

Kerstin Greulich, Lutz Alder

Fast multi residue screening of 300 pesticides in drinking water

Report of study BfR-IX-2005

Finalized: May 2006

Study Title

Analytical method for the determination of pesticide residues in drinking water by HPLC-MS/MS

Study Objective

The study objective is to validate an analytical method for the determination of multi class pesticides in drinking water by HPLC-MS/MS.

Organisation and Personnel

Test Facility:

Federal Institute for Risk Assessment
Safety of Substances and Preparations
Residue Analysis
Thielallee 88-92
D-14195 Berlin

Study Director:

Dr. Lutz Alder
Tel. +49 (30) 8412 3377
Fax. +49 (30) 8412 3685

Monitoring Scientist:

Dr. Kerstin Greulich
Tel. +49 (30) 8412 3207
Fax. +49 (30) 8412 3685

Study No.:

Study Plan BFR-IX-2005

Proposed schedule:

Start of study:	September 2005
End of study:	March 2006

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Summary

The purpose of this study was to validate a multi-residue enforcement method for the determination of 300 active substances and metabolites of pesticides in drinking water analysed by liquid chromatography with tandem mass spectrometric detection (LC-MS/MS). These technique provides the chance to analyse pesticides residues in drinking water by direct injection without any extraction and/or cleanup of the samples.

The analyte concentration was determined by external standardisation using solutions of the reference substances prepared in HPLC water with content of 1 % methanol. Usually the detector exhibited a linear response (81 %) covering two orders of magnitude (0.03 to 5 ng/ml). Sometimes the response was represented by a quadratic function (19 %).

The method was validated at 0.1 µg/L and 1 µg/L. In most cases the limit of quantification (LOQ) achieved 0.1 µg/L. Apparent residues in blank reagents and control samples, if any, were always less than 30 % of the limit of quantification.

For confirmatory purposes a second transition per analyte was analysed.

The mean recoveries and relative standard deviations (RSD) obtained for each analyte and at each fortification level are summarised below.

For the following 159 analytes the mean recovery at each fortification level was in the range of 70 % to 120 % for both transitions. Furthermore, the relative standard deviation was less than 20 % for both transitions.

Analyt	1. MRM				2. MRM			
	0.1 µg/L		1 µg/L		0.1 µg/L		1 µg/L	
	Recovery [%]	RSD [%]	Recovery [%]	RSD [%]	Recovery [%]	RSD [%]	Recovery [%]	RSD [%]
3.4.5-Trimetacarb	114	5	102	3	97	11	100	6
3-Hydroxycarbofuran	99	5	102	1	106	2	100	3
Acetamiprid	97	4	107	6	118	4	103	7
Aldicarb	96	3	98	1	96	3	97	1
Aldicarb-sulfoxid	81	6	80	3	80	7	77	8
Aldoxycarb	88	3	88	2	81	5	88	5
Alloxydim	95	16	102	7	89	10	97	12
Ametryn	101	8	102	3	92	10	98	9
Aminocarb	107	5	106	3	108	9	101	10
Atrazin	109	9	98	4	107	16	99	5
Atrazine-2-hydroxy	105	4	103	3	119	10	110	4
Atrazine-desethyl	107	8	109	3	109	1	105	6
Atrazine-desethyl-2-hydroxy	91	11	107	4	89	2	110	3
Azaconazole	109	9	104	3	118	11	113	15

Analyt	1. MRM				2. MRM			
	0.1 µg/L		1 µg/L		0.1 µg/L		1 µg/L	
	Recovery [%]	RSD [%]	Recovery [%]	RSD [%]	Recovery [%]	RSD [%]	Recovery [%]	RSD [%]
Azamethiphos	112	7	103	5	103	8	104	5
Azinphos-methyl	117	18	116	14	105	21	109	8
Bitertanol	119	7	107	8	92	15	109	8
Boscalid	108	7	102	2	114	4	105	2
Bromacil	106	3	100	2	90	13	101	6
Butocarboxim	109	9	99	4	111	9	102	3
Butocarboxim-sulfoxid	79	6	77	8	77	13	78	7
Buturon	103	11	132	3	99	16	121	2
Butylate	115	5	98	6	110	15	101	6
Carbaryl	102	12	103	4	92	15	105	7
Carbendazim	96	5	136	2	96	5	137	3
Carbetamide	99	14	112	13	100	11	103	6
Carbofuran	96	12	104	7	93	5	99	3
Carboxin	99	6	101	5	102	10	100	3
Chlorbromuron	119	15	104	8	117	17	92	16
Chloridazon	107	4	98	3	105	5	100	11
Chlorimuron-ethyl	100	5	109	7	104	17	105	27
Chlorotoluron	105	11	103	2	118	10	101	6
Chlorpyrifos	100	9	139	4	109	21	129	10
Cinosulfuron	109	13	105	7	100	14	99	4
Clethodim	117	9	100	3	113	11	103	4
Clodinafop-propargyl	107	19	100	6	111	7	103	8
Clomazone	119	10	113	12	108	5	89	5
Coumaphos	111	8	90	4	108	8	102	4
Cyanazine	113	4	106	3	107	10	109	7
Cyazofamid	107	6	132	6	115	10	139	12
Cycloxydim	115	5	96	5	107	8	101	3
Cymoxanil	109	4	109	2	114	12	109	2
Cyproconazole	107	8	104	4	113	16	107	1
Cyprodinil	99	5	104	5	118	7	104	5
Demeton-S-methyl-sulfon	97	9	101	3	105	18	103	9
Desmethylformamido-pirimicarb	108	16	101	5	96	7	100	6
Desmethyl-pirimicarb	114	7	99	7	93	14	99	3
Dichlorvos	95	3	101	2	81	25	96	13
Dicrotophos	109	4	101	1	94	12	90	5
Diethofencarb	111	4	108	11	107	9	96	5
Difenoxuron	108	6	96	8	89	10	96	5
Dimefuron	97	23	93	6	75	21	89	7

Analyt	1. MRM				2. MRM			
	0.1 µg/L		1 µg/L		0.1 µg/L		1 µg/L	
	Recovery [%]	RSD [%]	Recovery [%]	RSD [%]	Recovery [%]	RSD [%]	Recovery [%]	RSD [%]
Dimethachlor	112	5	109	5	110	8	100	6
Dimethenamide	101	10	103	3	108	7	108	10
Dimethoate	102	1	101	3	102	10	93	3
Dimetilan	94	3	111	12	116	7	97	14
Epoxiconazole	102	9	126	7	114	9	132	3
Eptc	101	5	103	5	111	6	105	5
Ethametsulfuron-methyl	110	7	110	3	108	17	103	11
Ethiofencarb	85	8	103	3	94	13	95	3
Ethirimol	108	4	100	4	105	11	102	4
Ethoprophos	108	7	100	7	115	16	97	7
Fenamiphos	102	7	134	4	100	9	136	2
Fenbuconazole	100	12	101	4	87	18	95	9
Fenfuram	99	5	100	5	98	10	98	4
Fenhexamid	104	11	106	4	112	12	98	3
Fenothiocarb	120	9	105	4	93	10	101	5
Fenoxycarb	114	6	101	2	110	4	102	3
Fenthion	97	6	105	4	95	9	107	4
Florasulam	121	14	117	10	118	18	122	5
Fluazifop (free acid)	111	5	103	2	113	19	104	2
Flupyrsulfuron-methyl sodium	115	12	103	7	108	14	100	5
Fluquinconazole	103	8	106	4	118	24	103	4
Fluridone	105	6	102	5	96	7	104	6
Flurtamone	104	9	100	7	103	10	117	13
Flusilazole	108	11	133	6	94	13	131	5
Fonofos	108	13	103	4	117	19	104	8
Fosthiazate	113	3	99	10	79	9	102	6
Fuberidazole	102	6	100	4	105	1	99	4
Hexazinone	105	3	106	8	104	9	104	7
Imidacloprid	107	5	107	2	112	6	112	11
Iprovalicarb	106	8	105	4	99	2	99	7
Isoproturon	100	4	102	2	106	6	105	6
Isoxathion	107	7	103	7	108	8	102	8
Linuron	109	6	104	3	94	10	111	4
Malaoxon	111	5	98	13	106	20	102	5
Mepanipyrim	112	6	105	4	108	10	101	6
Mesosulfuron-methyl	103	4	101	3	98	2	103	2
Metalaxyl	105	10	105	7	104	7	101	4
Metazachlor	100	3	103	1	105	18	107	8
Metconazole	114	17	112	11	92	12	101	7

Analyt	1. MRM				2. MRM			
	0.1 µg/L		1 µg/L		0.1 µg/L		1 µg/L	
	Recovery [%]	RSD [%]	Recovery [%]	RSD [%]	Recovery [%]	RSD [%]	Recovery [%]	RSD [%]
Methabenzthiazuron	108	9	106	6	118	22	104	13
Methfuroxam	101	6	108	2	110	12	102	6
Methidathion	119	15	101	7	119	4	100	9
Methiocarb	107	7	107	2	106	19	99	8
Methomyl	101	9	101	4	95	21	95	3
Methoxyfenozide	106	6	124	2	110	3	133	3
Metobromuron	112	14	94	4	84	12	106	6
Metolachlor	108	6	101	6	114	11	101	8
Metosulam	117	16	109	6	116	12	120	21
Metoxuron	96	13	102	4	106	7	107	12
Metribuzin	105	12	97	3	105	16	106	7
Mevinphos	111	5	102	4	98	7	97	8
Monolinuron	100	9	101	3	102	13	99	10
Monuron	110	2	102	4	112	19	102	6
Napropamide	111	4	102	3	114	9	102	6
Nitenpyram	99	4	95	3	104	3	98	1
Norfluazuron-desmethyl	118	5	100	9	116	11	95	5
Ofurace	104	5	95	6	95	16	109	5
Oxadixyl	102	3	101	3	102	25	107	7
Oxamyl	88	5	89	1	90	4	91	1
Oxycarboxin	108	3	108	1	113	10	109	2
Paraoxon-methyl	106	4	130	4	102	7	128	6
Phorat-sulfoxid	112	5	96	5	89	6	105	5
Phosphamidon	105	10	102	5	104	5	102	4
Phoxim	100	11	103	5	100	8	107	6
Picoxystrobin	115	15	105	7	111	12	113	17
Pirimicarb	104	6	110	7	108	5	104	4
Pirimiphos-methyl	113	11	109	2	113	6	112	4
Prochloraz	82	16	97	4	108	17	93	4
Profenofos	120	7	107	8	115	13	100	4
Promecarb	100	15	102	9	110	5	105	4
Prometon	92	5	102	9	115	13	94	5
Prometryne	106	10	104	8	97	7	101	5
Propachlor	105	9	102	7	115	16	104	3
Propazin-2-hydroxy	104	19	107	8	102	10	95	9
Propetamphos	120	9	104	4	113	7	103	7
Propoxur	98	9	97	7	101	8	98	9
Propyzamide	115	3	103	5	105	4	104	5
Prosulfuron	109	8	103	2	101	12	102	5
Pyraclostrobin	111	4	102	5	102	8	112	12

Analyt	1. MRM				2. MRM			
	0.1 µg/L		1 µg/L		0.1 µg/L		1 µg/L	
	Recovery [%]	RSD [%]	Recovery [%]	RSD [%]	Recovery [%]	RSD [%]	Recovery [%]	RSD [%]
Pyrimethanil	114	5	101	3	96	20	102	5
Pyriproxyfen	120	5	101	5	97	8	101	5
Quinmerac	105	5	110	7	118	6	109	6
Quinoclamine	111	10	110	3	104	17	99	3
Quinoxifen	119	3	93	7	120	3	100	8
Rimsulfuron	110	2	109	2	104	10	113	6
Sebuthylazine	104	2	107	2	109	4	105	6
Sebuthylazine-desethyl	110	5	105	5	107	9	106	2
Sethoxydim	104	10	98	3	95	5	102	5
Siduron	105	8	102	9	99	9	100	5
Simazine	91	15	100	3	89	16	113	5
Simetryn	103	12	102	5	107	11	93	3
Sulfosulfuron	108	6	103	7	118	8	98	10
Sulprofos	112	25	102	7	111	13	103	7
Tebufenozid	105	6	102	5	110	5	103	5
Tebutam	114	2	104	5	103	17	98	5
Tebuthiuron	107	6	102	7	97	13	102	8
Tepraloxydim	104	17	99	5	111	18	107	7
Terbuthyazine-2-hydroxy	119	10	108	9	107	3	105	3
Terbuthyazine-desethyl	110	5	105	5	109	6	105	5
Thiabendazol	89	8	101	2	89	5	97	10
Thiamethoxam	108	4	105	3	103	5	106	2
Thiodicarb	116	11	98	3	90	25	104	4
Thiofanox-sulfon	98	5	102	3	94	9	101	2
Triadimefon	117	12	100	7	110	20	100	4
Triazamate	100	13	111	7	110	14	111	3
Trietazine	104	6	102	5	104	4	116	6
Vamidothion	105	5	103	9	116	10	104	4

Two transitions were measured for the following 59 analytes at 0.1 µg/L and 1 µg/L. The mean recovery or the relative standard deviation exceeded at least at one fortification level the acceptable range of 70 % to 120 % or 20 %, respectively.

Analyt	1. MRM				2. MRM			
	0.1 µg/L		1 µg/L		0.1 µg/L		1 µg/L	
	Recovery [%]	RSD [%]	Recovery [%]	RSD [%]	Recovery [%]	RSD [%]	Recovery [%]	RSD [%]
Amidosulfuron	133	10	119	2	130	18	109	8
Azinphos-ethyl	100	12	104	3	121	15	100	4
Azoxystrobin	112	4	100	4	140	12	101	11
Benalaxyl	121	10	106	3	118	10	101	4
Bendiocarb	103	4	104	4	122	18	107	6
Benzoximate	121	15	106	7	102	8	98	5
Bupirimate	113	10	110	5	121	7	112	3
Carfentrazone-ethyl	108	11	110	8	129	13	103	8
Chlorfenvinphos	127	10	104	4	140	15	106	5
Chlorsulfuron	120	5	105	3	122	13	120	9
Clethodim-imin-sulfon	133	10	102	4	105	19	104	2
Cyromazine	62	7	83	2	75	4	84	2
Diazinon	113	10	103	5	128	15	107	3
Dimethomorph	99	20	113	5	121	11	107	5
Ethidimuron	101	10	109	12	131	19	109	10
Ethofumesate	113	3	106	3	123	16	99	4
Etrifos	125	13	107	6	127	9	105	8
Famoxadone	128	20	142	7	121	26	127	8
Fenoxaprop-ethyl	114	11	102	5	122	13	103	4
Flamprop-methyl	125	8	102	11	115	11	98	5
Flufenacet	113	37	116	12	117	8	100	7
Flutolanil	126	13	111	6	122	25	105	10
Halosulfuron-methyl	109	6	100	7	122	14	108	5
Hexythiazox	115	8	102	8	121	17	108	7
Imazalil	85	3	97	3	120	17	97	4
Isazofos	132	13	109	3	119	18	107	4
Isofenphos	124	2	112	5	140	17	112	6
Isoprothiolane	125	28	90	9	110	6	104	4
Isoxadifen-ethyl	126	10	115	5	120	6	114	7
Kresoxim-methyl	102	23	100	9	121	9	100	4
Mecarbam	123	11	114	5	118	21	112	6
Metamitron	116	4	107	2	124	5	111	1
Metsulfuron-methyl	114	7	107	5	128	16	110	3
Myclobutanil	110	2	98	5	135	10	100	4
Neburon	123	14	93	5	116	21	95	10

Analyt	1. MRM				2. MRM			
	0.1 µg/L		1 µg/L		0.1 µg/L		1 µg/L	
	Recovery [%]	RSD [%]	Recovery [%]	RSD [%]	Recovery [%]	RSD [%]	Recovery [%]	RSD [%]
Omethoat	62	6	71	2	66	3	69	3
Oxasulfuron	122	3	98	2	110	3	105	2
Paclobutrazol	124	7	100	6	106	7	102	2
Pencycuron	135	5	109	5	109	11	108	5
Phenthoate	104	7	132	3	129	10	141	5
Phosalone	140	8	107	9	131	28	105	7
Propamocarb	123	8	110	1	107	20	111	1
Propaquizafop	134	6	98	7	136	11	97	5
Propazine	101	10	100	8	125	5	99	5
Propiconazole	102	24	105	5	120	25	111	18
Prosulfocarb	138	12	108	7	128	14	102	7
Pyridaphenthion	122	13	105	9	128	18	104	6
Quinalphos	126	8	94	7	119	13	90	7
Quizalofop-ethyl	110	11	101	6	126	23	97	5
Rotenone	117	7	103	5	125	18	92	9
Sulfotep	103	21	103	10	122	9	106	7
Tebuconazol	94	14	137	8	106	21	137	8
Terbumeton	100	8	107	3	140	14	106	6
Terbutryn	115	7	104	5	124	6	103	3
Tetraconazole	125	12	112	6	120	10	108	6
Thiacloprid	115	2	105	6	132	6	105	10
Triasulfuron	116	6	108	7	138	6	109	8
Triazophos	127	5	103	4	131	11	110	4
Tricyclazole	127	22	94	5	99	20	96	1

For the following 34 analytes one transition was detectable at 0.1 µg/L fortification level the other one at the 1 µg/L level only. The mean recovery or the relative standard deviation often exceeded the acceptable range of 70 % to 120 % or 20 %, respectively.

Analyt	1. MRM				2. MRM			
	0.1 µg/L		1 µg/L		0.1 µg/L		1 µg/L	
	Recovery [%]	RSD [%]	Recovery [%]	RSD [%]	Recovery [%]	RSD [%]	Recovery [%]	RSD [%]
5-Hydroxy-clethodim-sulfon	121	10	109	2			111	4
Acephate	39	12	51	4	58	9	59	2
Alachlor	116	6	102	5			108	6
Buprofezin	112	11	119	4			124	2
Chloroxuron	107	7	104	5			108	6
Chlorthiophos	123	15	110	5			110	8
Clofentezine	129	6	104	8			112	7
Cycloate	165	10	117	4			112	9
Demeton-S-methyl	112	46	102	9			96	25
Di-allate	125	9	109	8			104	13
Diuron	102	8	104	3			106	5
Ethiofencarbsulfon	107	5	102	5			103	8
Ethiofencarbsulfoxid	105	8	104	8			96	11
Fenarimol			97	6	101	22	97	10
Fenuron	101	5	102	3			113	11
Flamprop-isopropyl			98	4	143	7	100	6
Flazasulfuron	107	3	103	4			97	6
Fluometuron	103	9	99	7			96	8
Flutriafol	92	12	107	4			112	2
Heptenophos	104	4	101	2			102	5
Iodosulfuron-methyl	113	4	102	6			102	6
Lenacil	102	4	98	2			104	5
Malathion	119	2	98	5			72	12
Molinate			102	3	111	23	94	10
Nuarimol			103	4	109	12	102	14
Penconazole	128	11	97	7			96	7
Pendimethalin			107	6	101	8	105	3
Propham	100	6	100	3			102	4
Terbufos			107	2	101	5	104	2
Terbutylazine	107	11	107	4			111	4
Tetrachlorvinphos	120	13	105	5			101	3
Thifensulfuron-methyl	112	2	105	2			111	7
Thiofanox-sulfoxid	95	9	101	1			120	19
Triadimenol	123	4	98	3			101	6

For the following 30 analytes a successful validation in both transitions was possible only at the 1 µg/L fortification level. Seldom the acceptable range for the mean recovery of 70 % to 120 % or for the relative standard deviation of 20 % were exceeded.

Analyt	1. MRM				2. MRM			
	0.1 µg/L		1 µg/L		0.1 µg/L		1 µg/L	
	Recovery [%]	RSD [%]	Recovery [%]	RSD [%]	Recovery [%]	RSD [%]	Recovery [%]	RSD [%]
5-Hydroxy-thiabendazol			99	4			109	4
Cloquintocet-mexyl			105	6			109	6
Difenoconazole			114	6			113	4
Diiflufenican			137	3			135	8
Disulfoton			114	4			119	6
Dodemorph			112	4			114	6
Ethion			120	6			125	7
Etofenprox			69	9			73	8
Fenpropidin			119	4			124	4
Fenpropimorph			117	5			121	6
Fluazifop-butyl			115	7			121	9
Fluroxypyr-meptyl			130	10			129	10
Furathiocarb			98	6			104	7
Haloxypyr-methyl			141	3			142	6
MCPA-Butotyl			116	6			112	6
Pirimiphos-ethyl			120	7			116	6
Propargite			113	6			117	8
Pyraflufen-ethyl			107	10			107	6
Pyrazophos			117	4			121	9
Pyridaben			87	8			89	8
Simazine-2-hydroxy			114	4			107	8
Spiroxamine			117	4			119	3
Tebufenpyrad			117	5			116	10
Terbacil			101	3			102	3
Thiofanox			94	5			100	14
Thiophanate (-ethyl)			126	7			128	6
Thiophanat-methyl			114	11			113	11
Tolclofos-methyl			104	5			114	6
Trifloxystrobin			138	3			155	3
Triflumizole			113	10			118	14

For the following 18 analytes a successful validation was possible only in one transition - twice at the 1 µg/L fortification level only. The acceptable range for the mean recovery of 70 % to 120 % or for the relative standard deviation of 20 % were often exceeded.

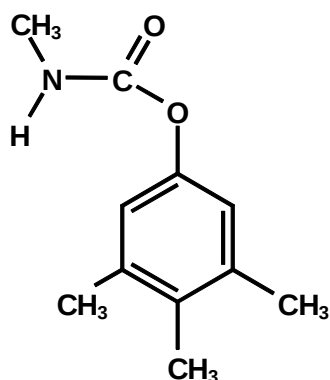
Analyt	1. MRM			
	0.1 µg/L		1 µg/L	
	Recovery [%]	RSD [%]	Recovery [%]	RSD [%]
6-Chlor-3-phenyl-pyridazin-4-ol (Pyridate-Metabolit)	109	109	107	1
Bromuconazole	122	122	105	6
Butoxycarboxim	91	91	79	8
Clethodim-sulfon	115	115	119	22
Cyanofenphos	182	182	93	13
Diclobutrazol	114	114	99	7
Diniconazole	138	138	125	1
Fenpropathrin			86	9
Fenpyroximate	240	240	90	13
Haloxypol-etotyl	170	170	106	5
Hexaconazole	121	121	108	3
Iprodione			101	14
Monocrotophos	94	94	92	12
Phosmet	96	96	123	7
Pymetrozin	118	118	112	1
Pyrifenoxy	101	101	104	9
Sulfometuron-methyl	94	94	103	7
Triticonazole	93	93	107	10

Test Commodity

The test system consists of commercially available drinking water with trade name "Bonaqua". This water was bought in supermarket on 15 September, 2005.

Test Items

Name:	3.4.5-Trimetacarb
Chemical name (IUPAC):	3,4,5-trimethylphenyl methylcarbamate
CAS-Registry-Number:	12407-86-2
Empirical formula:	C ₁₁ H ₁₅ NO ₂
Molecular mass:	193.3
Chemical Structure:	

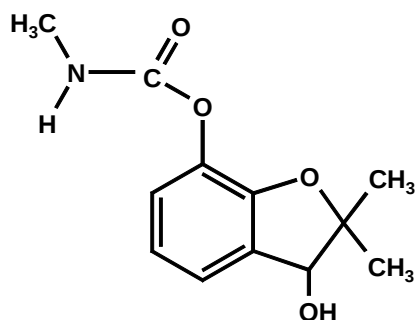
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	3.4.5-Trimetacarb
Lot Number:	10523
Certificate of:	01.09.01
Purity:	99.5 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.05.07

Test Items

Name: **3-Hydroxycarbofuran**
Chemical name (IUPAC): 3-hydroxy-2,3-dihydro-2,2-dimethylbenzofuran-7-yl methylcarbamate
CAS-Registry-Number: 16655-82-6
Empirical formula: C₁₂H₁₅NO₄
Molecular mass: 237.3
Chemical Structure:

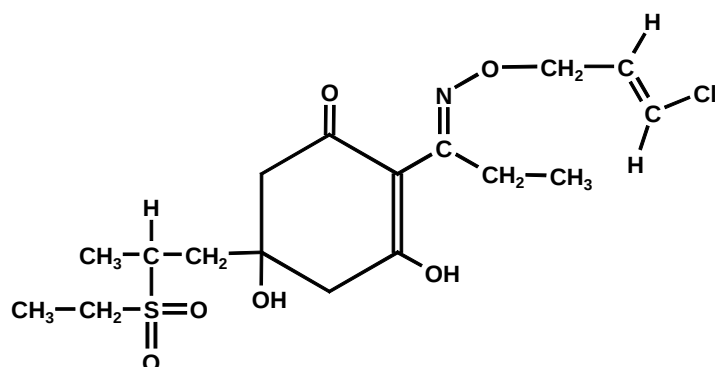
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name: **3-Hydroxycarbofuran**
Lot Number: 30923
Certificate of: 28.10.03
Purity: 97.5 %
Storage at test facility: ≤ -18 °C under dark conditions
Expiry date: 01.10.07

Test Items

Name: **5-Hydroxy-clethodim-sulfon**
Chemical name (IUPAC): N/A
CAS-Registry-Number: N/A
Empirical formula: C₁₇H₂₆ClNO₆S
Molecular mass: 407.9
Chemical Structure:

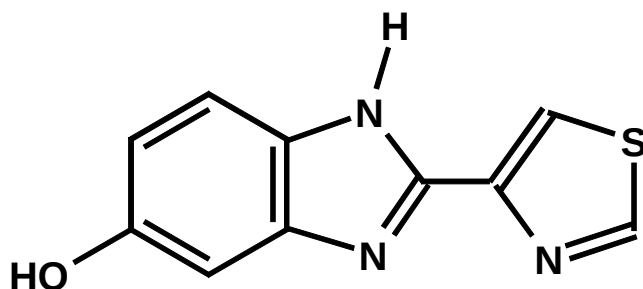
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name: **5-Hydroxy-clethodim-sulfon**
Lot Number: AS785e
Certificate of: 07.10.99
Purity: 96.4 %
Storage at test facility: ≤-18 °C under dark conditions
Expiry date: 01.10.01

Test Items

Name:	5-Hydroxy-thiabendazol
Chemical name (IUPAC):	2-(1,3-thiazol-4-yl)-5-hydroxy-benzimidazole
CAS-Registry-Number:	948-71-0
Empirical formula:	C ₁₀ H ₇ N ₃ OS
Molecular mass:	217.3
Chemical Structure:	

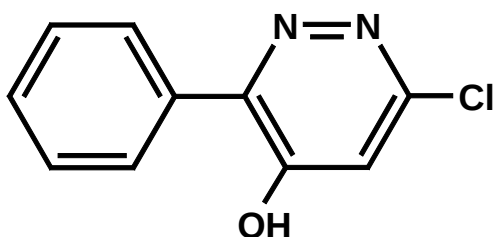
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	5-Hydroxy-thiabendazol
Lot Number:	20115ME
Certificate of:	16.01.02
Purity:	
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.01.05

Test Items

Name:	Pyridate metabolite
Chemical name (IUPAC):	6-Chlor-3-phenyl-pyridazin-4-ol
CAS-Registry-Number:	40020-01-7
Empirical formula:	C ₁₀ H ₇ ClN ₂ O
Molecular mass:	206.6
Chemical Structure:	

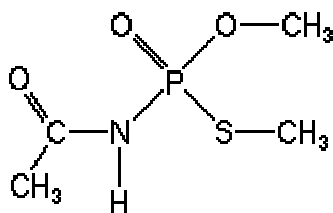
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	Pyridate metabolite
Lot Number:	10405
Certificate of:	11.04.01
Purity:	99.5 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.04.07

Test Items

Name:	Acephate
Chemical name (IUPAC):	(RS)-O,S-dimethyl acetylphosphoramidothioate
CAS-Registry-Number:	30560-19-1
Empirical formula:	C ₄ H ₁₀ NO ₃ PS
Molecular mass:	183.2
Chemical Structure:	

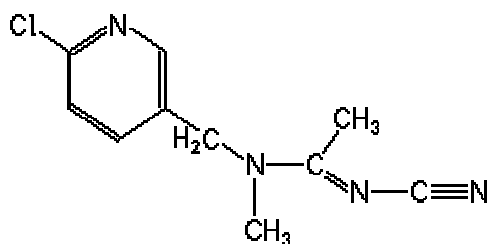
**Reference Items**

The certified reference items were supplied by Eurofins Analytik GmbH, Dr. Specht Laboratorien, D-21079 Hamburg.

Name:	Acephate
Lot Number:	21213
Certificate of:	28.01.03
Purity:	98.0 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.01.07

Test Items

Name:	Acetamiprid
Chemical name (IUPAC):	(E)-N1-[(6-chloro-3-pyridyl)methyl]-N2-cyano-N1-methylacetamidine
CAS-Registry-Number:	135410-20-7
Empirical formula:	C ₁₀ H ₁₁ ClN ₄
Molecular mass:	222.7
Chemical Structure:	

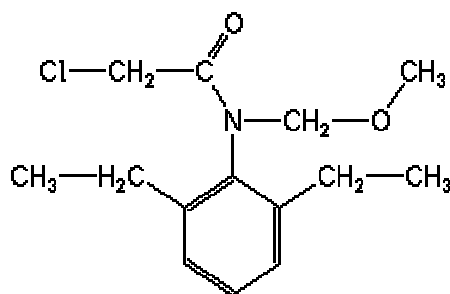
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	Acetamiprid
Lot Number:	20416
Certificate of:	22.05.03
Purity:	99.0 %
Storage at test facility:	≤ -18 °C under dark conditions
Expiry date:	01.04.06

Test Items

Name: **Alachlor**
Chemical name (IUPAC): 2-chloro-2',6'-diethyl-N-methoxymethylacetanilide
CAS-Registry-Number: 15972-60-8
Empirical formula: C₁₄H₂₀ClNO₂
Molecular mass: 269.8
Chemical Structure:

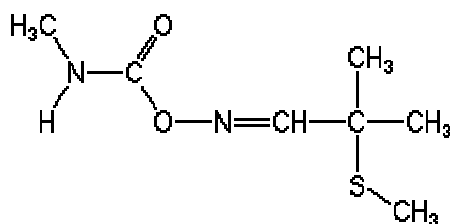
**Reference Items**

No certified reference items were used.

Name: **Alachlor**
Lot Number: 35874
Certificate of:
Purity: 99.0 %
Storage at test facility: ≤-18 °C under dark conditions
Expiry date:

Test Items

Name:	Aldicarb
Chemical name (IUPAC):	2-methyl-2-(methylthio)propionaldehyde O-methylcarbamoyloxime
CAS-Registry-Number:	116-06-3
Empirical formula:	C ₇ H ₁₄ N ₂ O ₂ S
Molecular mass:	190.3
Chemical Structure:	

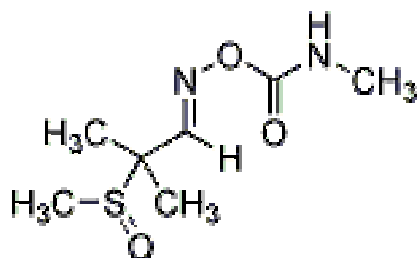
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	Aldicarb
Lot Number:	20125
Certificate of:	15.02.02
Purity:	98.5 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.02.06

Test Items

Name:	Aldicarb-sulfoxid
Chemical name (IUPAC):	2-methyl-2-(methylsulfinyl)propionaldehyde O-[(methylamino)carbamoyl]oxime
CAS-Registry-Number:	1646-87-3
Empirical formula:	C ₇ H ₁₄ N ₂ O ₃ S
Molecular mass:	206.3
Chemical Structure:	

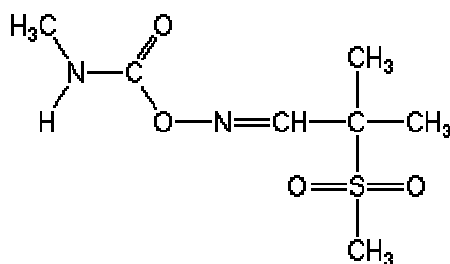
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	Aldicarb-sulfoxid
Lot Number:	81113
Certificate of:	12.03.99
Purity:	98.0 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.03.03

Test Items

Name:	Aldoxycarb
Chemical name (IUPAC):	2-mesyl-2-methylpropionaldehyde O-methylcarbamoyloxime
CAS-Registry-Number:	1646-88-4
Empirical formula:	C ₇ H ₁₄ N ₂ O ₄ S
Molecular mass:	222.3
Chemical Structure:	

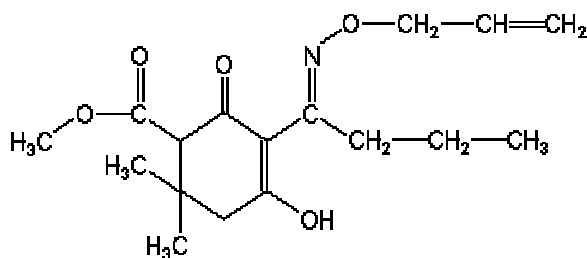
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	Aldoxycarb
Lot Number:	11218
Certificate of:	11.01.02
Purity:	99.0 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.01.06

Test Items

Name:	Alloxydim
Chemical name (IUPAC):	methyl (E)-(RS)-3-[1-(allyloxyimino)butyl]-4-hydroxy-6,6-dimethyl-2-oxocyclohex-3-enecarboxylate
CAS-Registry-Number:	55634-91-8
Empirical formula:	C ₁₇ H ₂₅ NO ₅
Molecular mass:	323.4
Chemical Structure:	

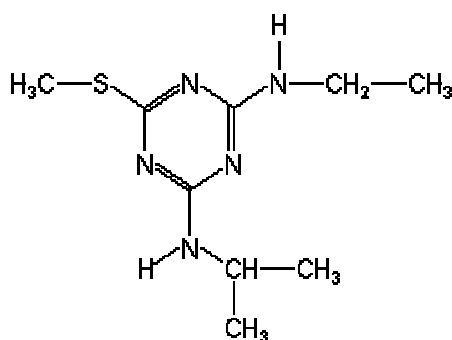
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	Alloxydim
Lot Number:	20809
Certificate of:	13.08.02
Purity:	98.0 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.08.06

Test Items

Name: **Ametryn**
Chemical name (IUPAC): N2-ethyl-N4-isopropyl-6-methylthio-1,3,5-triazine-2,4-diamine
CAS-Registry-Number: 834-12-8
Empirical formula: C₉H₁₇N₅S
Molecular mass: 227.3
Chemical Structure:

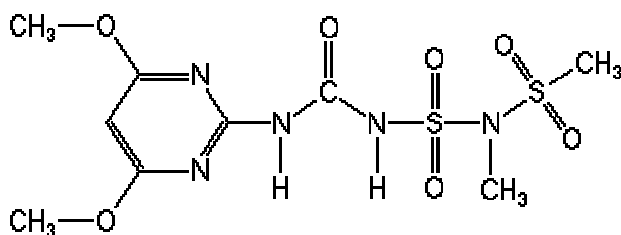
**Reference Items**

The certified reference items were supplied by Eurofins Analytik GmbH, Dr. Specht Laboratorien, D-21079 Hamburg.

Name: **Ametryn**
Lot Number: 00607
Certificate of: 04.07.00
Purity: 99.5 %
Storage at test facility: ≤ -18 °C under dark conditions
Expiry date: 01.07.06

Test Items

Name:	Amidosulfuron
Chemical name (IUPAC):	1-(4,6-dimethoxypyrimidin-2-yl)-3-mesyl(methyl)sulfamoylurea
CAS-Registry-Number:	120923-37-7
Empirical formula:	C ₉ H ₁₅ N ₅ O ₇ S ₂
Molecular mass:	369.4
Chemical Structure:	

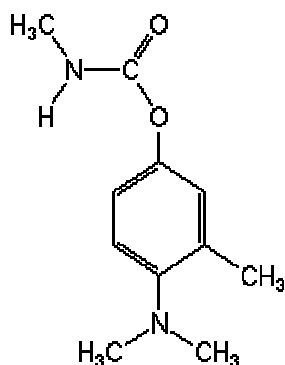
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	Amidosulfuron
Lot Number:	10221
Certificate of:	07.05.01
Purity:	97.5 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.04.05

Test Items

Name:	Aminocarb
Chemical name (IUPAC):	4-dimethylamino-m-tolyl methylcarbamate
CAS-Registry-Number:	2032-59-9
Empirical formula:	C ₁₁ H ₁₆ N ₂ O ₂
Molecular mass:	208.3
Chemical Structure:	

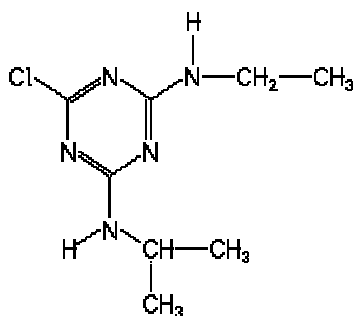
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	Aminocarb
Lot Number:	20626
Certificate of:	08.07.02
Purity:	98.5 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.07.06

Test Items

Name:	Atrazine
Chemical name (IUPAC):	6-chloro-N2-ethyl-N4-isopropyl-1,3,5-triazine-2,4-diamine
CAS-Registry-Number:	1912-24-9
Empirical formula:	C ₈ H ₁₄ ClN ₅
Molecular mass:	215.7
Chemical Structure:	

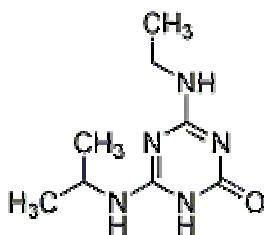
**Reference Items**

No certified reference items were used.

Name:	Atrazine
Lot Number:	
Certificate of:	
Purity:	99.8 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	

Test Items

Name:	Atrazine-2-hydroxy
Chemical name (IUPAC):	1,3,5-Triazin-2(1H)-one, 4-(ethylamino)-6-[(1-methylethyl)amino-]
CAS-Registry-Number:	2163-68-0
Empirical formula:	C ₈ H ₁₅ N ₅ O
Molecular mass:	197.2
Chemical Structure:	

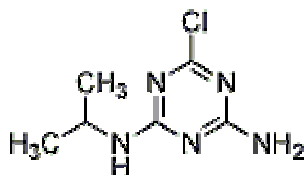
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	Atrazine-2-hydroxy
Lot Number:	30714
Certificate of:	25.07.03
Purity:	98.0 %
Storage at test facility:	≤ -18 °C under dark conditions
Expiry date:	01.07.09

Test Items

Name:	Atrazine-desethyl
Chemical name (IUPAC):	6-chlor-N4-(1-methylethyl)-1,3,5-triazin-2,4-diamin
CAS-Registry-Number:	1007-28-9
Empirical formula:	C ₆ H ₁₀ ClN ₅
Molecular mass:	187.6
Chemical Structure:	

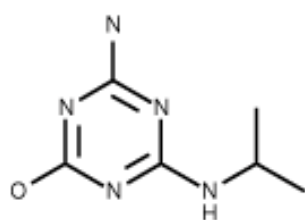
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	Atrazine-desethyl
Lot Number:	30603
Certificate of:	29.08.03
Purity:	98.5 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.09.09

Test Items

Name:	Atrazine-desethyl-2-hydroxy
Chemical name (IUPAC):	2-hydroxy-N4-desisopropyl-1,3,5-triazine-4,6-diamine
CAS-Registry-Number:	19988-24-0
Empirical formula:	C ₆ H ₁₁ N ₅ O
Molecular mass:	169.2
Chemical Structure:	

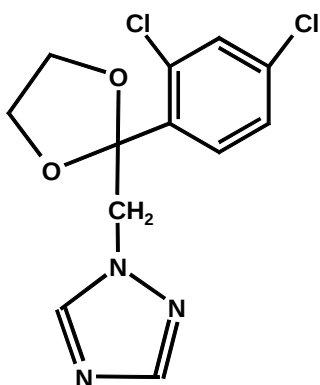
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	Atrazine-desethyl-2-hydroxy
Lot Number:	30121
Certificate of:	11.02.03
Purity:	99.5 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.02.09

Test Items

Name:	Azaconazole
Chemical name (IUPAC):	1-[[2-(2,4-dichlorophenyl)-1,3-dioxolan-2-yl]methyl]-1H-1,2,4-triazole
CAS-Registry-Number:	60207-31-0
Empirical formula:	C ₁₂ H ₁₁ Cl ₂ N ₃ O ₂
Molecular mass:	300.1
Chemical Structure:	

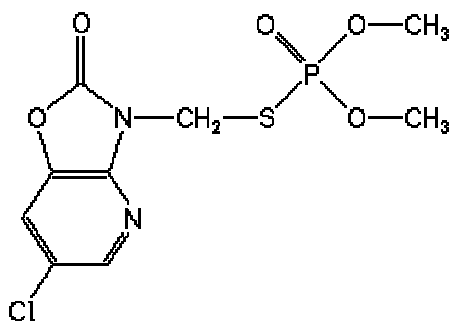
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	Azaconazole
Lot Number:	30115
Certificate of:	23.01.03
Purity:	98.5 %
Storage at test facility:	≤ -18 °C under dark conditions
Expiry date:	01.01.07

Test Items

Name: **Azamethiphos**
Chemical name (IUPAC): S-6-chloro-2,3-dihydro-2-oxo-1,3-oxazolo[4,5-b]pyridin-3-ylmethyl O,O-dimethyl phosphorothioate
CAS-Registry-Number: 35575-96-3
Empirical formula: C₉H₁₀ClN₂O₅PS
Molecular mass: 324.7
Chemical Structure:

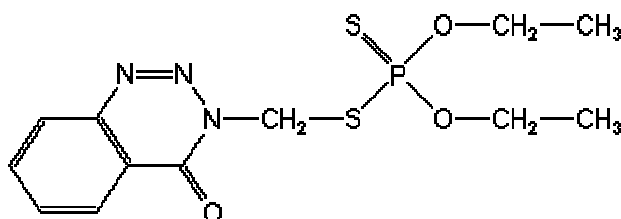
**Reference Items**

No certified reference items were used.

Name: **Azamethiphos**
Lot Number:
Certificate of:
Purity: 99.5 %
Storage at test facility: ≤-18 °C under dark conditions
Expiry date:

Test Items

Name: **Azinphos-ethyl**
Chemical name (IUPAC): S-(3,4-dihydro-4-oxobenzo[d]-[1,2,3]-triazin-3-ylmethyl) O,O-diethyl phosphorodithioate
CAS-Registry-Number: 2642-71-9
Empirical formula: C₁₂H₁₆N₃O₃PS₂
Molecular mass: 345.4
Chemical Structure:

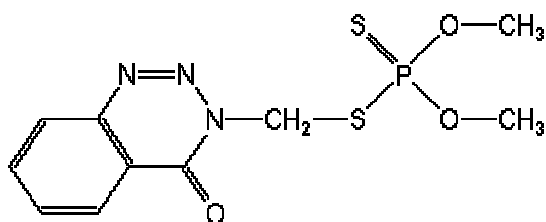
**Reference Items**

No certified reference items were used.

Name: **Azinphos-ethyl**
Lot Number:
Certificate of:
Purity: 99.0 %
Storage at test facility: ≤-18 °C under dark conditions
Expiry date:

Test Items

Name: **Azinphos-methyl**
Chemical name (IUPAC): S-(3,4-dihydro-4-oxobenzo[d]-[1,2,3]-triazin-3-ylmethyl) O,O-dimethyl phosphorodithioate
CAS-Registry-Number: 86-50-0
Empirical formula: C₁₀H₁₂N₃O₃PS₂
Molecular mass: 317.3
Chemical Structure:

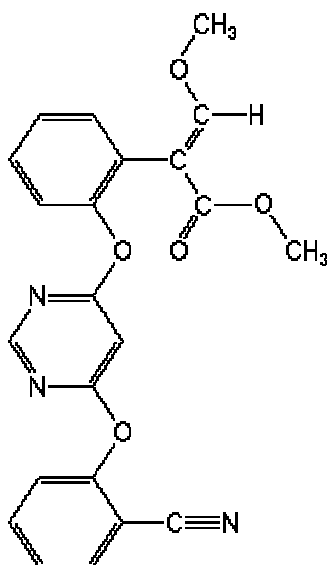
**Reference Items**

No certified reference items were used.

Name: **Azinphos-methyl**
Lot Number: 41012
Certificate of:
Purity: 99.6 %
Storage at test facility: ≤-18 °C under dark conditions
Expiry date: 01.10.98

Test Items

Name:	Azoxystrobin
Chemical name (IUPAC):	methyl (E)-2-{2-[6-(2-cyanophenoxy)pyrimidin-4-yloxy]phenyl}-3-methoxyacrylate
CAS-Registry-Number:	131860-33-8
Empirical formula:	C ₂₂ H ₁₇ N ₃ O ₅
Molecular mass:	403.4
Chemical Structure:	

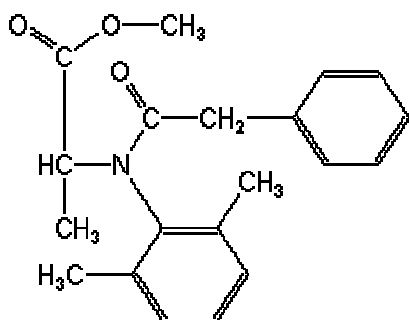
**Reference Items**

The certified reference items were supplied by Eurofins Analytik GmbH, Dr. Specht Laboratorien, D-21079 Hamburg.

Name:	Azoxystrobin
Lot Number:	21104
Certificate of:	10.12.02
Purity:	99.0 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.12.06

Test Items

Name:	Benalaxyl
Chemical name (IUPAC):	methyl N-(phenylacetyl)-N-(2,6-xylyl)-DL-alaninate
CAS-Registry-Number:	71626-11-4
Empirical formula:	C ₂₀ H ₂₃ NO ₃
Molecular mass:	325.4
Chemical Structure:	

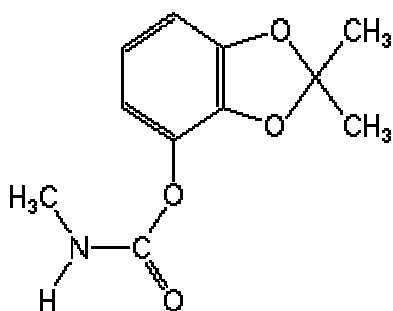
**Reference Items**

No certified reference items were used.

Name:	Benalaxyl
Lot Number:	10306
Certificate of:	
Purity:	99.9 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.08.96

Test Items

Name:	Bendiocarb
Chemical name (IUPAC):	2,2-dimethyl-1,3-benzodioxol-4-yl methylcarbamate
CAS-Registry-Number:	22781-23-3
Empirical formula:	C ₁₁ H ₁₃ NO ₄
Molecular mass:	223.2
Chemical Structure:	

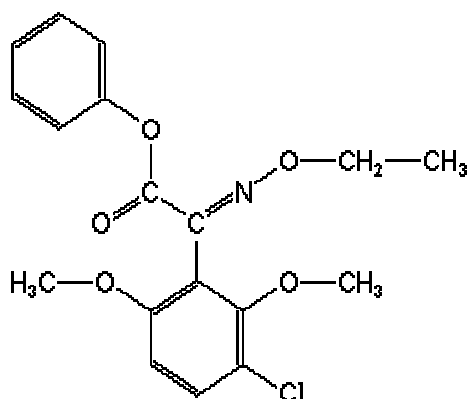
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	Bendiocarb
Lot Number:	20606
Certificate of:	28.09.04
Purity:	99.0 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.07.06

Test Items

Name:	Benzoximate
Chemical name (IUPAC):	3-chloro-a-ethoxyimino-2,6-dimethoxybenzyl benzoate or ethyl O-benzoyl-3-chloro-2,6-dimethoxybenzohydroximate
CAS-Registry-Number:	29104-30-1
Empirical formula:	C ₁₈ H ₁₈ ClNO ₅
Molecular mass:	363.8
Chemical Structure:	

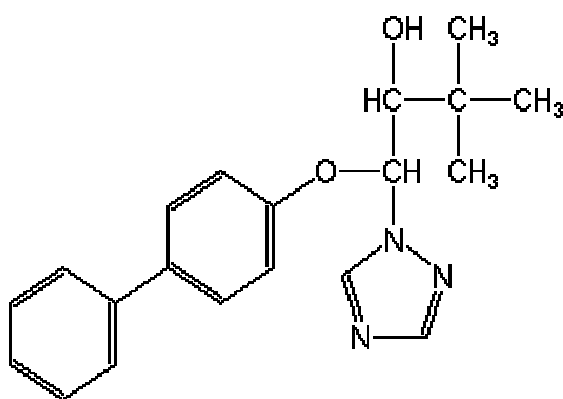
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	Benzoximate
Lot Number:	204
Certificate of:	24.02.00
Purity:	99.0 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.01.06

Test Items

Name:	Bitertanol
Chemical name (IUPAC):	1-(biphenyl-4-yloxy)-3,3-dimethyl-1-(1H-1,2,4-triazol-1-yl)butan-2-ol (20:80 ratio of (1RS,2RS)- and (1RS,2SR)-isomers)
CAS-Registry-Number:	55179-31-2
Empirical formula:	C ₂₀ H ₂₃ N ₃ O ₂
Molecular mass:	337.4
Chemical Structure:	

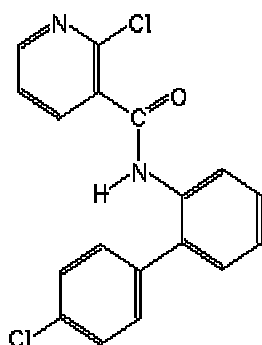
**Reference Items**

No certified reference items were used.

Name:	Bitertanol
Lot Number:	64082
Certificate of:	
Purity:	96.0 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.02.00

Test Items

Name:	Boscalid
Chemical name (IUPAC):	2-chloro-N-(4'-chlorobiphenyl-2-yl)nicotinamide
CAS-Registry-Number:	188425-85-6
Empirical formula:	C ₁₈ H ₁₂ Cl ₂ N ₂ O
Molecular mass:	343.2
Chemical Structure:	

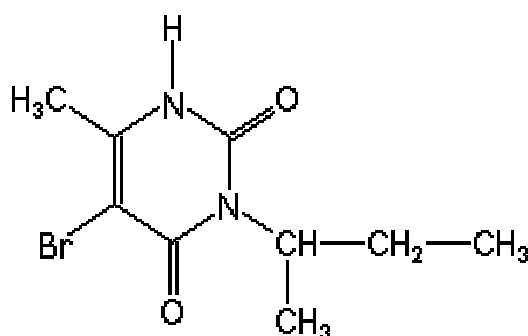
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	Boscalid
Lot Number:	30605
Certificate of:	18.06.03
Purity:	98.0 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.06.07

Test Items

Name:	Bromacil
Chemical name (IUPAC):	5-bromo-3-sec-butyl-6-methyluracil
CAS-Registry-Number:	314-40-9
Empirical formula:	C ₉ H ₁₃ BrN ₂ O ₂
Molecular mass:	261.1
Chemical Structure:	

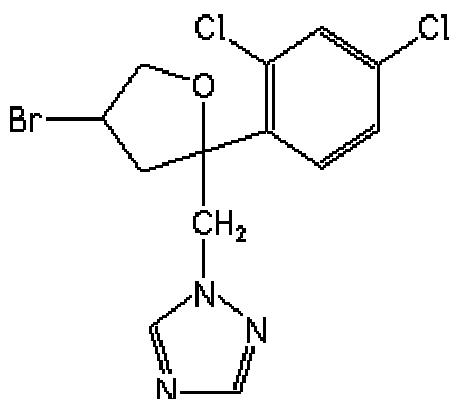
**Reference Items**

No certified reference items were used.

Name:	Bromacil
Lot Number:	
Certificate of:	
Purity:	99.0 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	

Test Items

Name:	Bromuconazole
Chemical name (IUPAC):	1-[(2RS,4RS:2RS,4SR)-4-bromo-2-(2,4-dichlorophenyl)tetrahydrofurfuryl]-1H-1,2,4-triazole
CAS-Registry-Number:	116255-48-2
Empirical formula:	C ₁₃ H ₁₂ BrCl ₂ N ₃ O
Molecular mass:	377.1
Chemical Structure:	

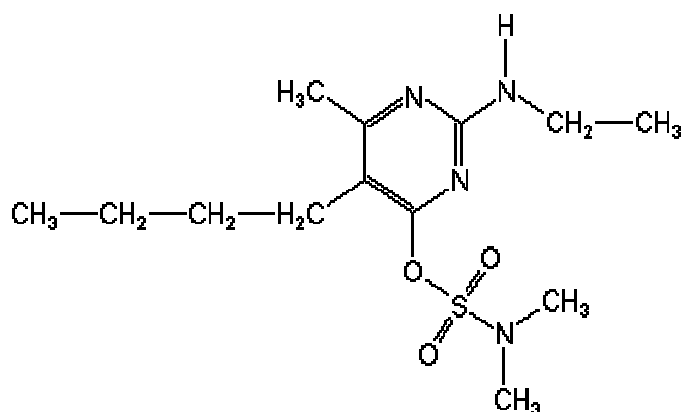
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	Bromuconazole
Lot Number:	40220
Certificate of:	03.03.04
Purity:	94.0 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.03.08

Test Items

Name: **Bupirimate**
Chemical name (IUPAC): 5-butyl-2-ethylamino-6-methylpyrimidin-4-yl
dimethylsulfamate
CAS-Registry-Number: 41483-43-6
Empirical formula: C₁₃H₂₄N₄O₃S
Molecular mass: 316.4
Chemical Structure:

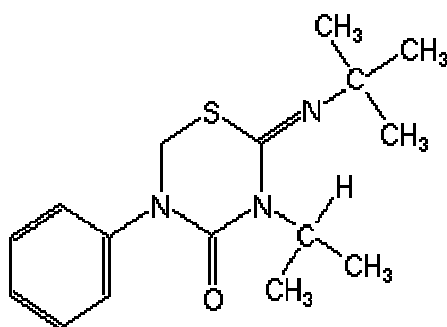
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name: **Bupirimate**
Lot Number: 71110
Certificate of: 19.11.97
Purity: 99.5 %
Storage at test facility: ≤ -18 °C under dark conditions
Expiry date: 01.01.98

Test Items

Name:	Buprofezin
Chemical name (IUPAC):	2-tert-butylimino-3-isopropyl-5-phenyl-1,3,5-thiadiazinan-4-one
CAS-Registry-Number:	69327-76-0
Empirical formula:	C ₁₆ H ₂₃ N ₃ OS
Molecular mass:	305.4
Chemical Structure:	

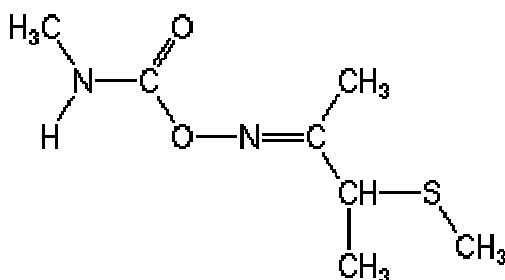
**Reference Items**

The certified reference items were supplied by Eurofins Analytik GmbH, Dr. Specht Laboratorien, D-21079 Hamburg.

Name:	Buprofezin
Lot Number:	1091
Certificate of:	08.11.01
Purity:	99.0 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.11.07

Test Items

Name:	Butocarboxim
Chemical name (IUPAC):	3-(methylthio)butanone O-methylcarbamoyloxime
CAS-Registry-Number:	34681-10-2
Empirical formula:	C ₇ H ₁₄ N ₂ O ₂ S
Molecular mass:	190.3
Chemical Structure:	

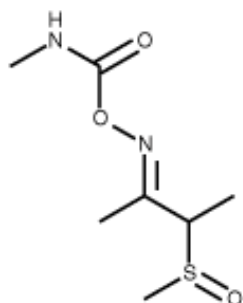
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	Butocarboxim
Lot Number:	21206
Certificate of:	18.12.02
Purity:	97.0 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.12.06

Test Items

Name:	Butocarboxim-sulfoxid
Chemical name (IUPAC):	3-methylsulfinylbutanone O-methylcarbamoyloxime
CAS-Registry-Number:	34681-24-8
Empirical formula:	C ₇ H ₁₄ N ₂ O ₃ S
Molecular mass:	206.3
Chemical Structure:	

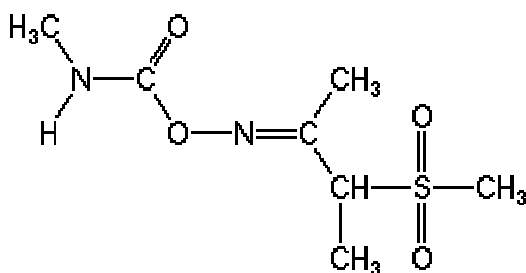
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	Butocarboxim-sulfoxid
Lot Number:	00526
Certificate of:	08.06.00
Purity:	99.5 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.06.02

Test Items

Name:	Butoxycarboxim
Chemical name (IUPAC):	3-mesylbutanone O-methylcarbamoyloxime
CAS-Registry-Number:	34681-23-7
Empirical formula:	C ₇ H ₁₄ N ₂ O ₄ S
Molecular mass:	222.3
Chemical Structure:	

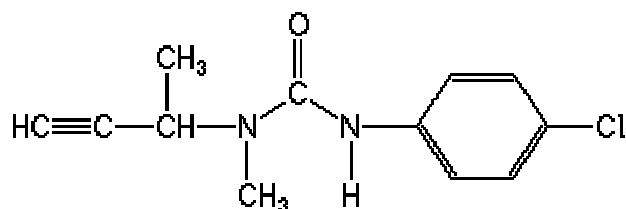
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	Butoxycarboxim
Lot Number:	21206
Certificate of:	18.12.02
Purity:	97.0 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.09.06

Test Items

Name:	Buturon
Chemical name (IUPAC):	RS)-3-(4-chlorophenyl)-1-methyl-1-(1-methylprop-2-ynyl)urea
CAS-Registry-Number:	3766-60-7
Empirical formula:	C ₁₂ H ₁₃ ClN ₂ O
Molecular mass:	236.7
Chemical Structure:	

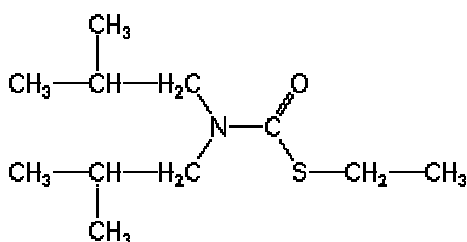
**Reference Items**

No certified reference items were used.

Name:	Buturon
Lot Number:	B4080
Certificate of:	
Purity:	99.0 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	

Test Items

Name:	Butylate
Chemical name (IUPAC):	S-ethyl di-isobutylthiocarbamate
CAS-Registry-Number:	2008-41-5
Empirical formula:	C ₁₁ H ₂₃ NOS
Molecular mass:	217.4
Chemical Structure:	

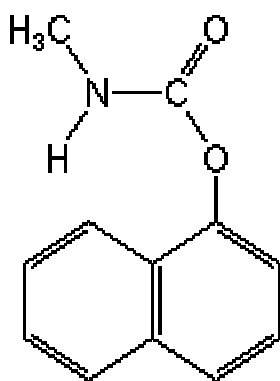
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	Butylate
Lot Number:	30206
Certificate of:	17.02.03
Purity:	96.5 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.02.07

Test Items

Name:	Carbaryl
Chemical name (IUPAC):	1-naphthyl methylcarbamate
CAS-Registry-Number:	63-25-2
Empirical formula:	C ₁₂ H ₁₁ NO ₂
Molecular mass:	201.2
Chemical Structure:	

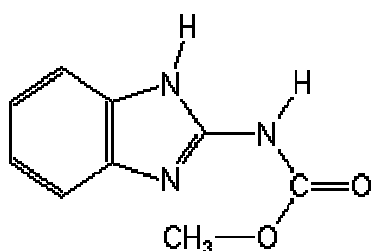
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	Carbaryl
Lot Number:	21112
Certificate of:	27.11.02
Purity:	99.5 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.11.08

Test Items

Name:	Carbendazim
Chemical name (IUPAC):	methyl benzimidazol-2-ylcarbamate
CAS-Registry-Number:	10605-21-7
Empirical formula:	C ₉ H ₉ N ₃ O ₂
Molecular mass:	191.2
Chemical Structure:	

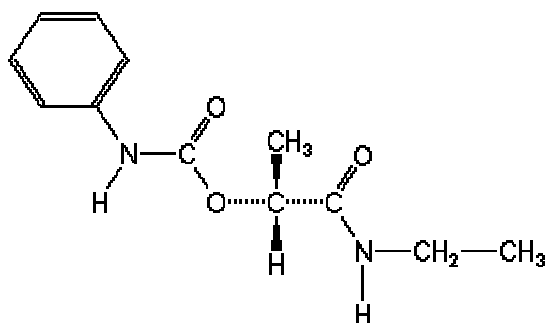
**Reference Items**

No certified reference items were used.

Name:	Carbendazim
Lot Number:	
Certificate of:	
Purity:	98.0 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.02.04

Test Items

Name:	Carbetamide
Chemical name (IUPAC):	(R)-1-(ethylcarbamoyl)ethyl carbanilate
CAS-Registry-Number:	16118-49-3
Empirical formula:	C ₁₂ H ₁₆ N ₂ O ₃
Molecular mass:	236.3
Chemical Structure:	

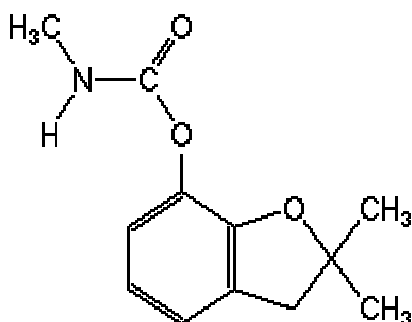
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	Carbetamide
Lot Number:	20710
Certificate of:	18.07.02
Purity:	99.5 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.07.06

Test Items

Name:	Carbofuran
Chemical name (IUPAC):	2,3-dihydro-2,2-dimethylbenzofuran-7-yl methylcarbamate
CAS-Registry-Number:	1563-66-2
Empirical formula:	C ₁₂ H ₁₅ NO ₃
Molecular mass:	221.3
Chemical Structure:	

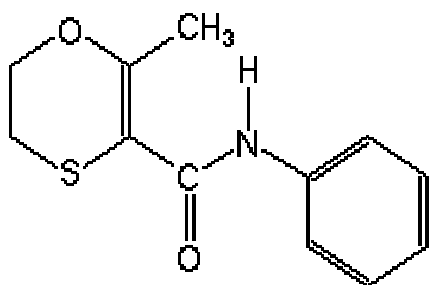
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	Carbofuran
Lot Number:	50110
Certificate of:	23.11.95
Purity:	99.1 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.01.01

Test Items

Name:	Carboxin
Chemical name (IUPAC):	5,6-dihydro-2-methyl-1,4-oxathi-ine-3-carboxanilide
CAS-Registry-Number:	5234-68-4
Empirical formula:	C ₁₂ H ₁₃ NO ₂ S
Molecular mass:	235.3
Chemical Structure:	

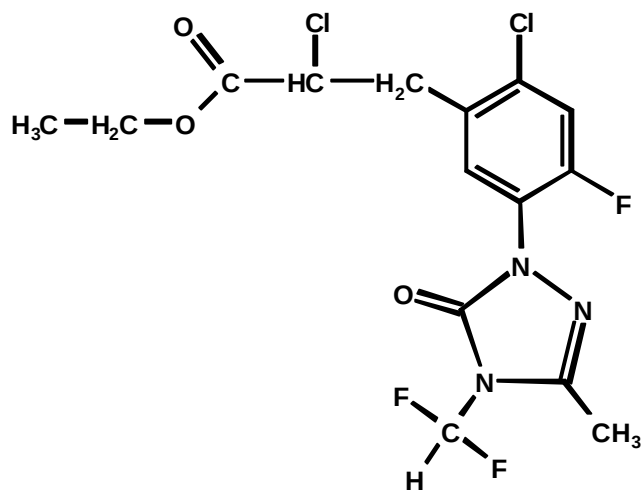
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	Carboxin
Lot Number:	30702
Certificate of:	11.07.03
Purity:	99.0 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.07.09

Test Items

Name:	Carfentrazone-ethyl
Chemical name (IUPAC):	ethyl (RS)-2-chloro-3-{2-chloro-5-[4-(difluoromethyl)-4,5-dihydro-3-methyl-5-oxo-1H-1,2,4-triazol-1-yl]-4-fluorophenyl}propanoate
CAS-Registry-Number:	128639-02-1
Empirical formula:	C ₁₅ H ₁₄ Cl ₂ F ₃ N ₃ O ₃
Molecular mass:	412.2
Chemical Structure:	

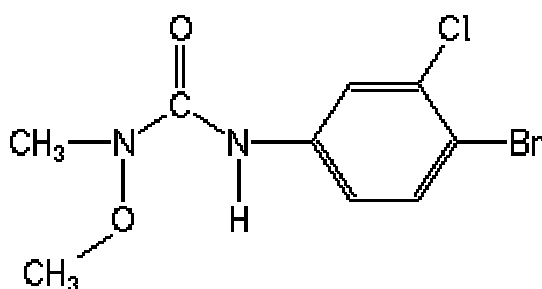
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	Carfentrazone-ethyl
Lot Number:	30318CY
Certificate of:	19.03.03
Purity:	
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.03.06

Test Items

Name:	Chlorbromuron
Chemical name (IUPAC):	3-(4-bromo-3-chlorophenyl)-1-methoxy-1-methylurea
CAS-Registry-Number:	13360-45-7
Empirical formula:	C ₉ H ₁₀ BrClN ₂ O ₂
Molecular mass:	293.6
Chemical Structure:	

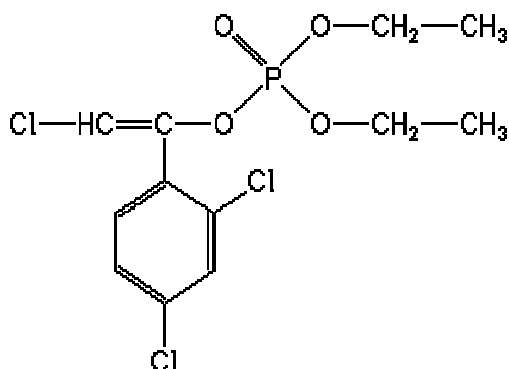
**Reference Items**

No certified reference items were used.

Name:	Chlorbromuron
Lot Number:	
Certificate of:	
Purity:	99.9 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	

Test Items

Name:	Chlorfenvinphos
Chemical name (IUPAC):	(EZ)-2-chloro-1-(2,4-dichlorophenyl)vinyl diethyl phosphate
CAS-Registry-Number:	470-90-6
Empirical formula:	C ₁₂ H ₁₄ Cl ₃ O ₄ P
Molecular mass:	359.6
Chemical Structure:	

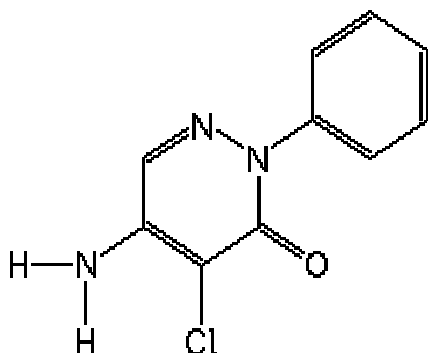
**Reference Items**

No certified reference items were used.

Name:	Chlorfenvinphos
Lot Number:	80305
Certificate of:	
Purity:	94.5 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.03.01

Test Items

Name:	Chloridazon
Chemical name (IUPAC):	5-amino-4-chloro-2-phenylpyridazin-3(2H)-one
CAS-Registry-Number:	1698-60-8
Empirical formula:	C ₁₀ H ₈ ClN ₃ O
Molecular mass:	221.7
Chemical Structure:	

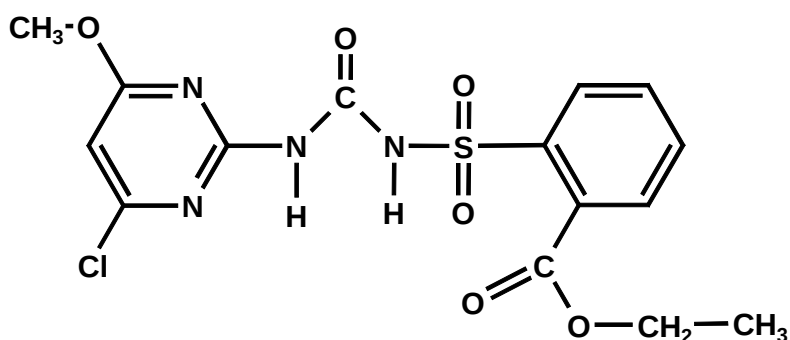
**Reference Items**

No certified reference items were used.

Name:	Chloridazon
Lot Number:	
Certificate of:	
Purity:	100.0 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	

Test Items

Name:	Chlorimuron-ethyl
Chemical name (IUPAC):	ethyl 2-(4-chloro-6-methoxypyrimidin-2-ylcarbamoylsulfamoyl)benzoate
CAS-Registry-Number:	90982-32-4
Empirical formula:	C ₁₅ H ₁₅ ClN ₄ O ₆ S
Molecular mass:	414.8
Chemical Structure:	

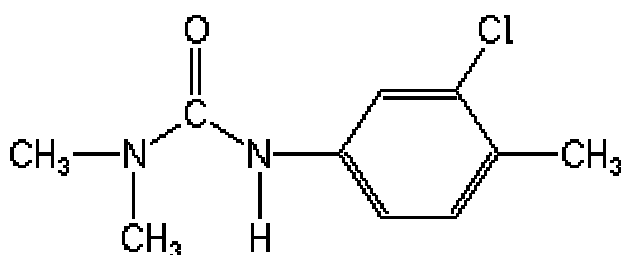
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	Chlorimuron-ethyl
Lot Number:	31001
Certificate of:	20.10.03
Purity:	97.0 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.10.07

Test Items

Name:	Chlorotoluron
Chemical name (IUPAC):	3-(3-chloro-p-tolyl)-1,1-dimethylurea
CAS-Registry-Number:	15545-48-9
Empirical formula:	C ₁₀ H ₁₃ ClN ₂ O
Molecular mass:	212.7
Chemical Structure:	

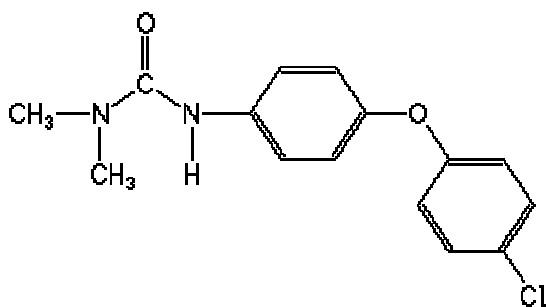
**Reference Items**

No certified reference items were used.

Name:	Chlorotoluron
Lot Number:	35788
Certificate of:	
Purity:	99.0 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	

Test Items

Name:	Chloroxuron
Chemical name (IUPAC):	3-[4-(4-chlorophenoxy)phenyl]-1,1-dimethylurea
CAS-Registry-Number:	1982-47-4
Empirical formula:	C ₁₅ H ₁₅ ClN ₂ O ₂
Molecular mass:	290.8
Chemical Structure:	

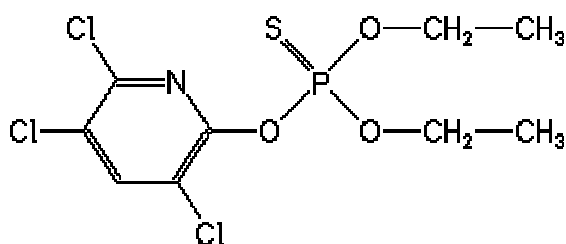
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	Chloroxuron
Lot Number:	31105
Certificate of:	05.12.03
Purity:	98.5 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.12.09

Test Items

Name:	Chlorpyrifos
Chemical name (IUPAC):	O,O-diethyl O-3,5,6-trichloro-2-pyridyl phosphorothioate
CAS-Registry-Number:	2921-88-2
Empirical formula:	C ₉ H ₁₁ Cl ₃ NO ₃ PS
Molecular mass:	350.6
Chemical Structure:	

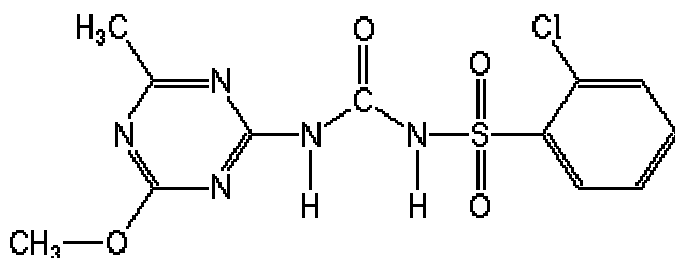
**Reference Items**

The certified reference items were supplied by Eurofins Analytik GmbH, Dr. Specht Laboratorien, D-21079 Hamburg.

Name:	Chlorpyrifos
Lot Number:	61104
Certificate of:	27.11.96
Purity:	99.5 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	30.11.00

Test Items

Name:	Chlorsulfuron
Chemical name (IUPAC):	1-(2-chlorophenylsulfonyl)-3-(4-methoxy-6-methyl-1,3,5-triazin-2-yl)urea
CAS-Registry-Number:	64902-72-3
Empirical formula:	C ₁₂ H ₁₂ ClN ₅ O ₄ S
Molecular mass:	357.8
Chemical Structure:	

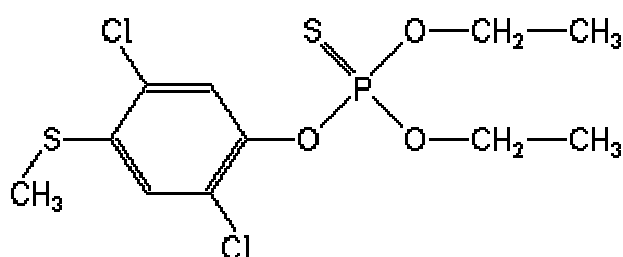
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	Chlorsulfuron
Lot Number:	10502
Certificate of:	14.05.01
Purity:	98.5 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.05.05

Test Items

Name:	Chlorthiophos
Chemical name (IUPAC):	isomeric reaction mixture in which O-2,5-dichlorophenyl-4-methylthiophenyl O,O-diethyl phosphorothioate predominates
CAS-Registry-Number:	60238-56-4
Empirical formula:	C ₁₁ H ₁₅ Cl ₂ O ₃ PS ₂
Molecular mass:	361.2
Chemical Structure:	

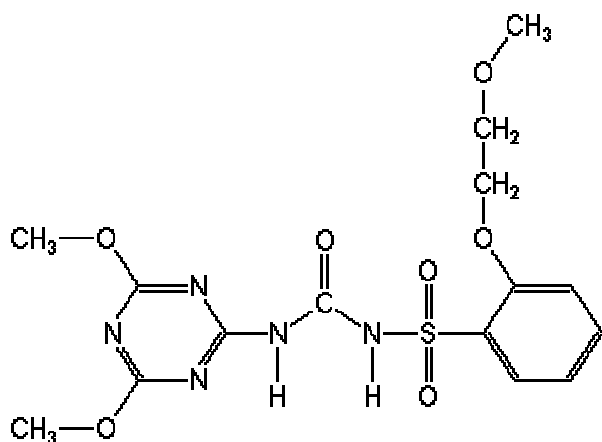
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	Chlorthiophos
Lot Number:	40309
Certificate of:	09.03.94
Purity:	96.0 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.03.97

Test Items

Name:	Cinosulfuron
Chemical name (IUPAC):	1-(4,6-dimethoxy-1,3,5-triazin-2-yl)-3-[2-(2-methoxyethoxy)phenylsulfonyl]urea
CAS-Registry-Number:	94593-91-6
Empirical formula:	C ₁₅ H ₁₉ N ₅ O ₇ S
Molecular mass:	413.4
Chemical Structure:	

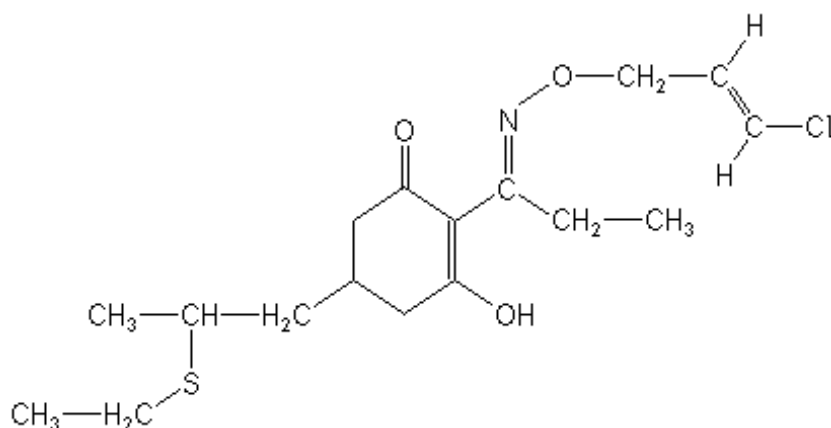
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	Cinosulfuron
Lot Number:	30411
Certificate of:	17.04.03
Purity:	97.7 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.04.07

Test Items

Name:	Clethodim
Chemical name (IUPAC):	(RS)-2-[(E)-1-[(E)-3-chloroallyloxyimino]propyl]-5-[2-(ethylthio)propyl]-3-hydroxycyclohex-2-en-1-one
CAS-Registry-Number:	99129-21-2
Empirical formula:	C ₁₇ H ₂₆ ClNO ₃ S
Molecular mass:	359.9
Chemical Structure:	

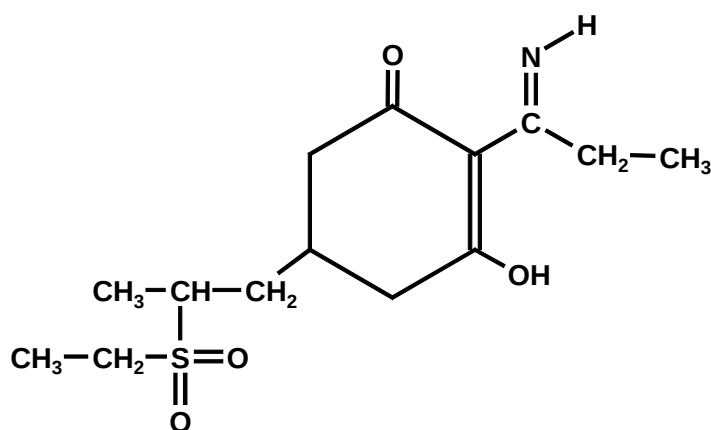
**Reference Items**

No certified reference items were used.

Name:	Clethodim
Lot Number:	313-139B
Certificate of:	
Purity:	97.0 %
Storage at test facility:	≤ -18 °C under dark conditions
Expiry date:	01.06.05

Test Items

Name:	Clethodim-imin-sulfon
Chemical name (IUPAC):	N/A
CAS-Registry-Number:	N/A
Empirical formula:	C ₁₄ H ₂₃ NO ₄ S
Molecular mass:	301.4
Chemical Structure:	

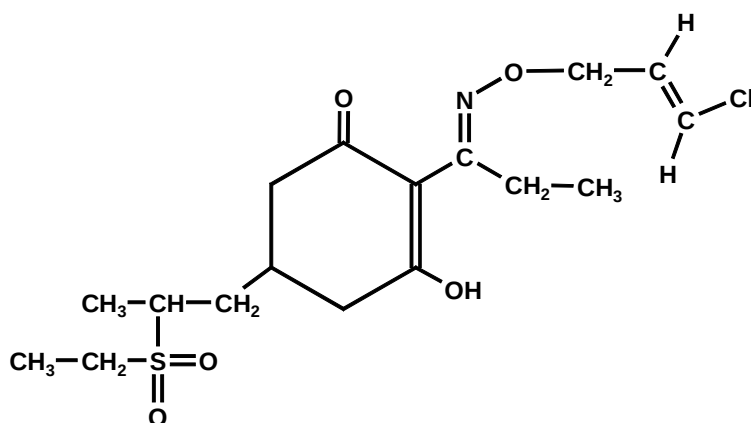
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	Clethodim-imin-sulfon
Lot Number:	AS607c
Certificate of:	10.07.97
Purity:	99.9 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.07.99

Test Items

Name: **Clethodim-sulfon**
Chemical name (IUPAC): N/A
CAS-Registry-Number: N/A
Empirical formula: C₁₇H₂₆ClNO₅S
Molecular mass: 391.9
Chemical Structure:

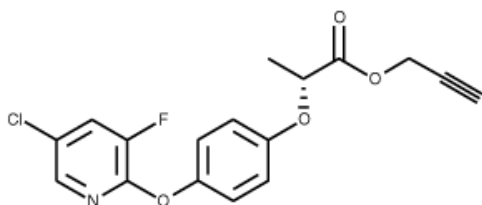
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name: **Clethodim-sulfon**
Lot Number: AS776e
Certificate of: 15.05.01
Purity: 98.6 %
Storage at test facility: ≤-18 °C under dark conditions
Expiry date: 01.06.02

Test Items

Name: **Clodinafop-propargyl**
Chemical name (IUPAC): prop-2-ynyl (R)-2-[4-(5-chloro-3-fluoro-2-pyridyloxy)phenoxy]propionate
CAS-Registry-Number: 105512-06-9
Empirical formula: C₁₇H₁₃ClFNO₄
Molecular mass: 349.8
Chemical Structure:

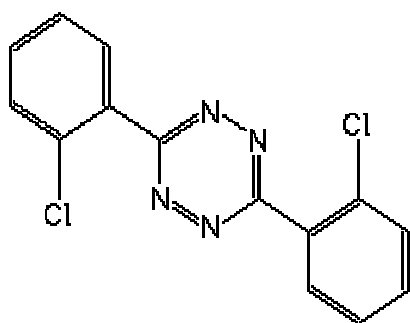
**Reference Items**

The certified reference items were supplied by Eurofins Analytik GmbH, Dr. Specht Laboratorien, D-21079 Hamburg.

Name: **Clodinafop-propargyl**
Lot Number: 20307
Certificate of: 19.03.02
Purity: 99.0 %
Storage at test facility: ≤-18 °C under dark conditions
Expiry date: 01.03.06

Test Items

Name:	Clofentezine
Chemical name (IUPAC):	3,6-bis(2-chlorophenyl)-1,2,4,5-tetrazine
CAS-Registry-Number:	74115-24-5
Empirical formula:	C ₁₄ H ₈ Cl ₂ N ₄
Molecular mass:	303.2
Chemical Structure:	

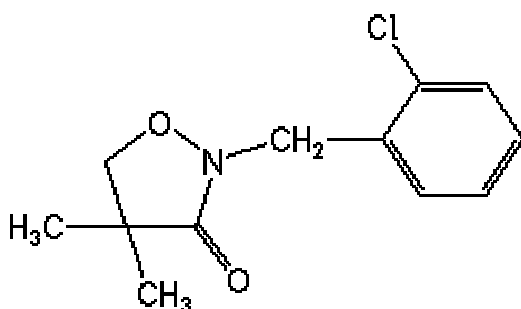
**Reference Items**

The certified reference items were supplied by Eurofins Analytik GmbH, Dr. Specht Laboratorien, D-21079 Hamburg.

Name:	Clofentezine
Lot Number:	20723
Certificate of:	14.08.02
Purity:	99.0 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	14.08.06

Test Items

Name:	Clomazone
Chemical name (IUPAC):	2-(2-chlorobenzyl)-4,4-dimethyl-1,2-oxazolidin-3-one or 2-(2-chlorobenzyl)-4,4-dimethylisoxazolidin-3-one
CAS-Registry-Number:	81777-89-1
Empirical formula:	C ₁₂ H ₁₄ ClNO ₂
Molecular mass:	239.7
Chemical Structure:	

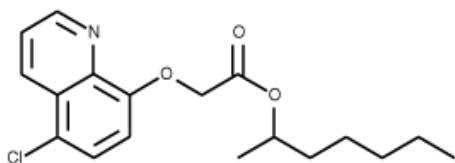
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	Clomazone
Lot Number:	40211
Certificate of:	03.03.04
Purity:	94.0 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.03.08

Test Items

Name:	Cloquintocet-mexyl
Chemical name (IUPAC):	(RS)-1-methylhexyl (5-chloroquinolin-8-yloxy)acetate
CAS-Registry-Number:	99607-70-2
Empirical formula:	C ₁₈ H ₂₂ ClNO ₃
Molecular mass:	335.8
Chemical Structure:	

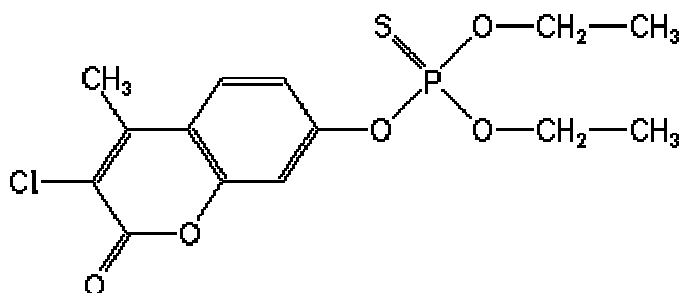
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	Cloquintocet-mexyl
Lot Number:	90226
Certificate of:	27.04.99
Purity:	98.0 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.03.03

Test Items

Name:	Coumaphos
Chemical name (IUPAC):	O-3-chloro-4-methyl-2-oxo-2H-chromen-7-yl O,O-diethyl phosphorothioate
CAS-Registry-Number:	56-72-4
Empirical formula:	C ₁₄ H ₁₆ ClO ₅ PS
Molecular mass:	362.8
Chemical Structure:	

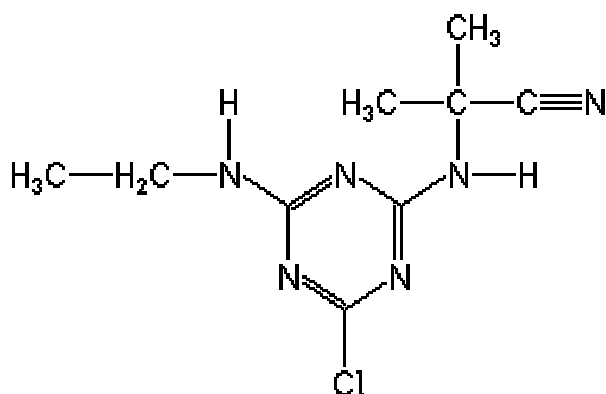
**Reference Items**

No certified reference items were used.

Name:	Coumaphos
Lot Number:	
Certificate of:	
Purity:	100.0 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	

Test Items

Name: **Cyanazine**
Chemical name (IUPAC): 2-(4-chloro-6-ethylamino-1,3,5-triazin-2-ylamino)-2-methylpropionitrile
CAS-Registry-Number: 21725-46-2
Empirical formula: C₉H₁₃ClN₆
Molecular mass: 240.7
Chemical Structure:

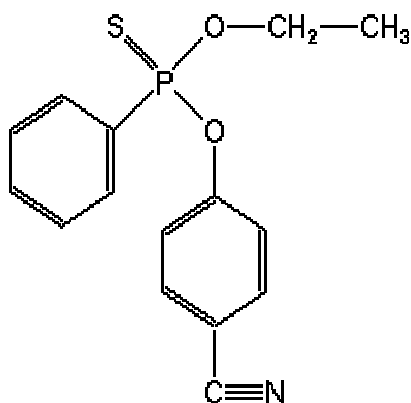
**Reference Items**

No certified reference items were used.

Name: **Cyanazine**
Lot Number: 10226
Certificate of:
Purity: 98.5 %
Storage at test facility: ≤-18 °C under dark conditions
Expiry date: 01.02.95

Test Items

Name:	Cyanofenphos
Chemical name (IUPAC):	RS)-O-4-cyanophenyl O-ethyl phenylphosphonothioate
CAS-Registry-Number:	13067-93-1
Empirical formula:	C ₁₅ H ₁₄ NO ₂ PS
Molecular mass:	303.3
Chemical Structure:	

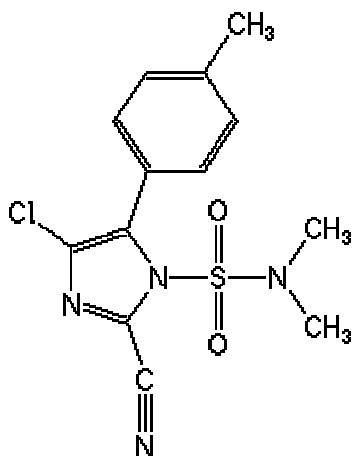
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	Cyanofenphos
Lot Number:	40426
Certificate of:	26.04.94
Purity:	98.9 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.04.97

Test Items

Name:	Cyazofamid
Chemical name (IUPAC):	4-chloro-2-cyano-N,N-dimethyl-5-p-tolylimidazole-1-sulfonamide
CAS-Registry-Number:	120116-88-3
Empirical formula:	C ₁₃ H ₁₃ ClN ₄ O ₂ S
Molecular mass:	324.8
Chemical Structure:	

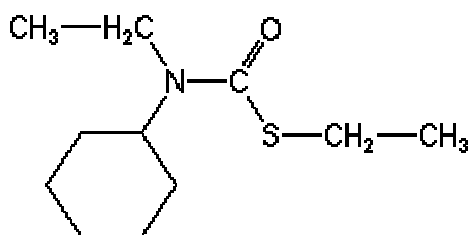
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	Cyazofamid
Lot Number:	40722AL
Certificate of:	28.07.04
Purity:	
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.07.06

Test Items

Name:	Cycloate
Chemical name (IUPAC):	S-ethyl cyclohexyl(ethyl)thiocarbamate
CAS-Registry-Number:	1134-23-2
Empirical formula:	C ₁₁ H ₂₁ NOS
Molecular mass:	215.4
Chemical Structure:	

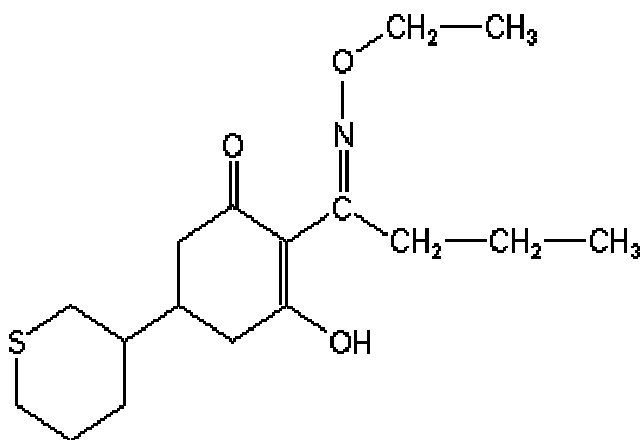
**Reference Items**

No certified reference items were used.

Name:	Cycloate
Lot Number:	
Certificate of:	
Purity:	
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	

Test Items

Name:	Cycloxydim
Chemical name (IUPAC):	(RS)-(EZ)-2-[1-(ethoxyimino)butyl]-3-hydroxy-5-thian-3-ylcyclohex-2-en-1-one
CAS-Registry-Number:	101205-02-1
Empirical formula:	C ₁₇ H ₂₇ NO ₃ S
Molecular mass:	325.5
Chemical Structure:	

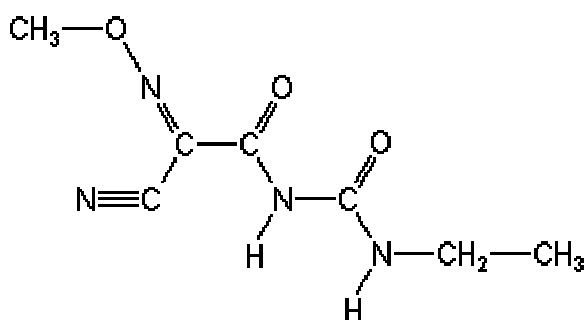
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	Cycloxydim
Lot Number:	40414
Certificate of:	28.04.04
Purity:	95.5 %
Storage at test facility:	≤ -18 °C under dark conditions
Expiry date:	01.04.06

Test Items

Name:	Cymoxanil
Chemical name (IUPAC):	1-(2-cyano-2-methoxyiminoacetyl)-3-ethylurea
CAS-Registry-Number:	57966-95-7
Empirical formula:	C ₇ H ₁₀ N ₄ O ₃
Molecular mass:	198.2
Chemical Structure:	

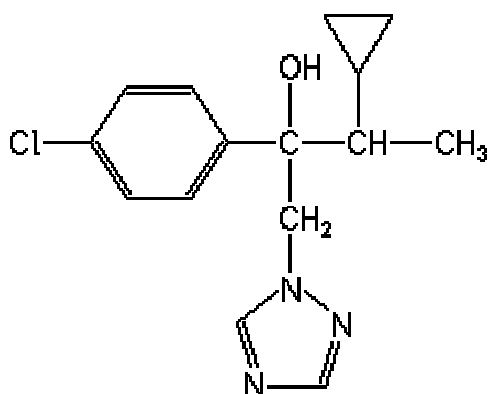
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	Cymoxanil
Lot Number:	90126
Certificate of:	12.05.99
Purity:	98.0 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.05.05

Test Items

Name: **Cyproconazole**
Chemical name (IUPAC): (2RS,3RS;2RS,3SR)-2-(4-chlorophenyl)-3-cyclopropyl-1-(1H-1,2,4-triazol-1-yl)butan-2-ol
CAS-Registry-Number: 113096-99-4
Empirical formula: C₁₅H₁₈ClN₃O
Molecular mass: 291.8
Chemical Structure:

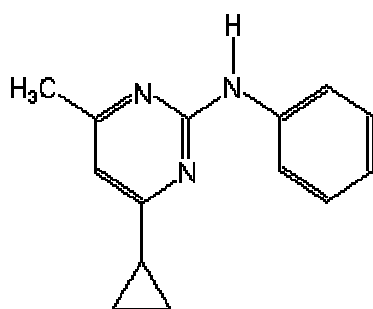
**Reference Items**

No certified reference items were used.

Name: **Cyproconazole**
Lot Number: 72030
Certificate of:
Purity: 99.9 %
Storage at test facility: ≤-18 °C under dark conditions
Expiry date:

Test Items

Name:	Cyprodinil
Chemical name (IUPAC):	4-cyclopropyl-6-methyl-N-phenylpyrimidin-2-amine
CAS-Registry-Number:	121552-61-2
Empirical formula:	C ₁₄ H ₁₅ N ₃
Molecular mass:	225.3
Chemical Structure:	

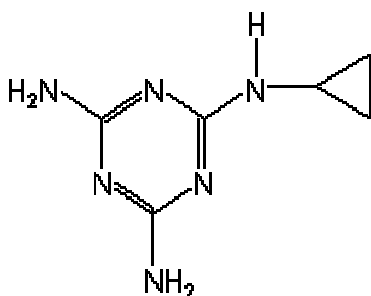
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	Cyprodinil
Lot Number:	526
Certificate of:	15.06.00
Purity:	98.5 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.06.04

Test Items

Name:	Cyromazine
Chemical name (IUPAC):	N-cyclopropyl-1,3,5-triazine-2,4,6-triamine
CAS-Registry-Number:	66215-27-8
Empirical formula:	C ₆ H ₁₀ N ₆
Molecular mass:	166.2
Chemical Structure:	

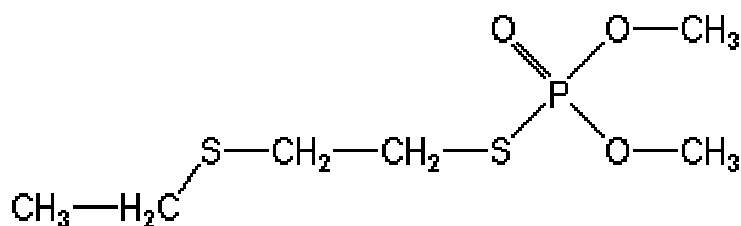
**Reference Items**

The certified reference items were supplied by Eurofins Analytik GmbH, Dr. Specht Laboratorien, D-21079 Hamburg.

Name:	Cyromazine
Lot Number:	30606
Certificate of:	23.06.03
Purity:	99.5 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	23.06.09

Test Items

Name:	Demeton-S-methyl
Chemical name (IUPAC):	S-2-ethylthioethyl O,O-dimethyl phosphorothioate
CAS-Registry-Number:	919-86-8
Empirical formula:	C ₆ H ₁₅ O ₃ PS ₂
Molecular mass:	230.3
Chemical Structure:	

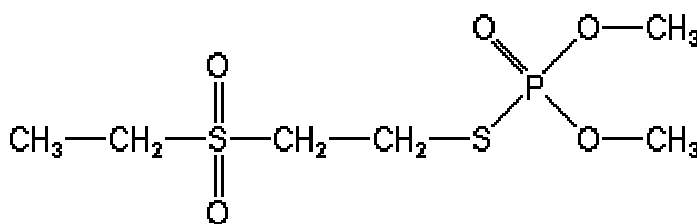
**Reference Items**

The certified reference items were supplied by Eurofins Analytik GmbH, Dr. Specht Laboratorien, D-21079 Hamburg.

Name:	Demeton-S-methyl
Lot Number:	30901
Certificate of:	19.11.03
Purity:	96.0 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.11.06

Test Items

Name:	Demeton-S-methyl-sulfon
Chemical name (IUPAC):	S-2-ethylsulfonylethyl O,O-dimethyl phosphorothioate
CAS-Registry-Number:	17040-19-6
Empirical formula:	C ₆ H ₁₅ O ₅ PS ₂
Molecular mass:	262.3
Chemical Structure:	

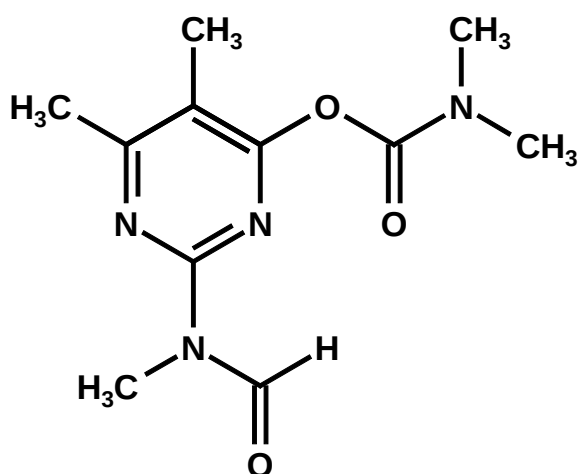
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	Demeton-S-methyl-sulfon
Lot Number:	21206
Certificate of:	05.02.03
Purity:	99.0 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.02.07

Test Items

Name: **Desmethylformamido-pirimicarb**
Chemical name (IUPAC): 5,6-dimethyl-2-formyl-methylaminopyrimidin-4-yl-dimethylcarbamate
CAS-Registry-Number: 59333-83-4
Empirical formula: C₁₁H₁₆N₄O₃
Molecular mass: 252.3
Chemical Structure:

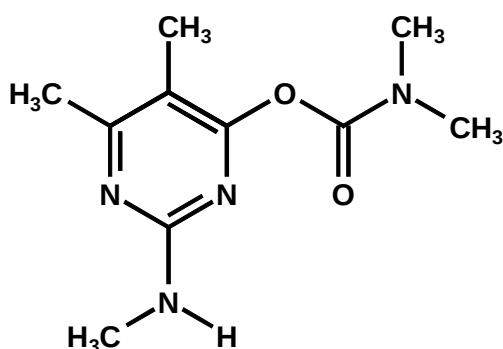
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name: **Desmethylformamido-pirimicarb**
Lot Number: 20219 AL
Certificate of: 20.02.02
Purity:
Storage at test facility: ≤-18 °C under dark conditions
Expiry date: 01.02.05

Test Items

Name:	Desmethyl-pirimicarb
Chemical name (IUPAC):	5,6-dimethyl-2-methyl-aminopyrimidin-4-yl-dimethylcarbamate
CAS-Registry-Number:	30614-22-3
Empirical formula:	C ₁₀ H ₁₆ N ₄ O ₂
Molecular mass:	224.3
Chemical Structure:	

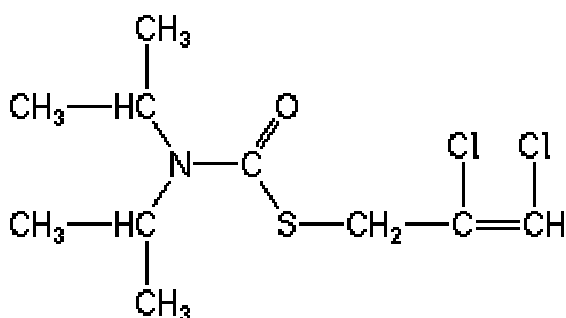
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	Desmethyl-pirimicarb
Lot Number:	11203AL
Certificate of:	04.12.01
Purity:	
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.12.04

Test Items

Name:	Di-allate
Chemical name (IUPAC):	S-2,3-dichloroallyl di-isopropyl(thiocarbamate)
CAS-Registry-Number:	2303-16-4
Empirical formula:	C ₁₀ H ₁₇ Cl ₂ NOS
Molecular mass:	270.2
Chemical Structure:	

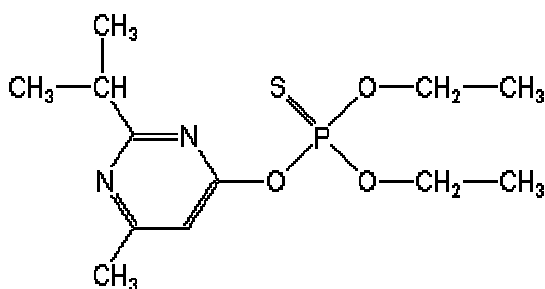
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	Di-allate
Lot Number:	21216
Certificate of:	21.01.03
Purity:	97.5 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.01.07

Test Items

Name:	Diazinon
Chemical name (IUPAC):	O,O-diethyl O-2-isopropyl-6-methylpyrimidin-4-yl phosphorothioate
CAS-Registry-Number:	333-41-5
Empirical formula:	C ₁₂ H ₂₁ N ₂ O ₃ PS
Molecular mass:	304.3
Chemical Structure:	

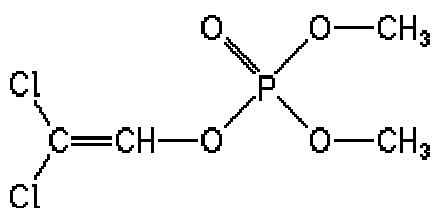
**Reference Items**

No certified reference items were used.

Name:	Diazinon
Lot Number:	Ref. P 3
Certificate of:	
Purity:	100.0 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	

Test Items

Name:	Dichlorvos
Chemical name (IUPAC):	2,2-dichlorovinyl dimethyl phosphate
CAS-Registry-Number:	62-73-7
Empirical formula:	C ₄ H ₇ Cl ₂ O ₄ P
Molecular mass:	221.0
Chemical Structure:	

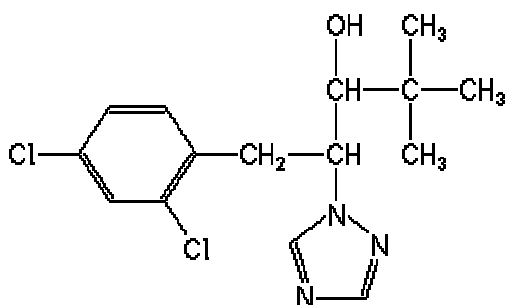
**Reference Items**

The certified reference items were supplied by Eurofins Analytik GmbH, Dr. Specht Laboratorien, D-21079 Hamburg.

Name:	Dichlorvos
Lot Number:	40120
Certificate of:	10.02.04
Purity:	98.5 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.02.07

Test Items

Name:	Diclobutrazol
Chemical name (IUPAC):	(2RS,3RS)-1-(2,4-dichlorophenyl)-4,4-dimethyl-2-(1H-1,2,4-triazol-1-yl)pentan-3-ol
CAS-Registry-Number:	75736-33-3
Empirical formula:	C ₁₅ H ₁₉ Cl ₂ N ₃ O
Molecular mass:	328.2
Chemical Structure:	

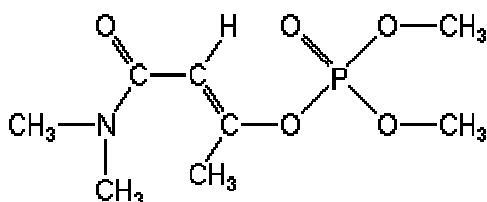
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	Diclobutrazol
Lot Number:	40624
Certificate of:	24.06.04
Purity:	98.5 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.06.08

Test Items

Name:	Dicrotophos
Chemical name (IUPAC):	(E)-2-dimethylcarbamoyl-1-methylvinyl dimethyl phosphate or 3-dimethoxyphosphinoyloxy-N,N-dimethylisocrotonamide
CAS-Registry-Number:	3735-78-3
Empirical formula:	C ₈ H ₁₆ NO ₅ P
Molecular mass:	237.2
Chemical Structure:	

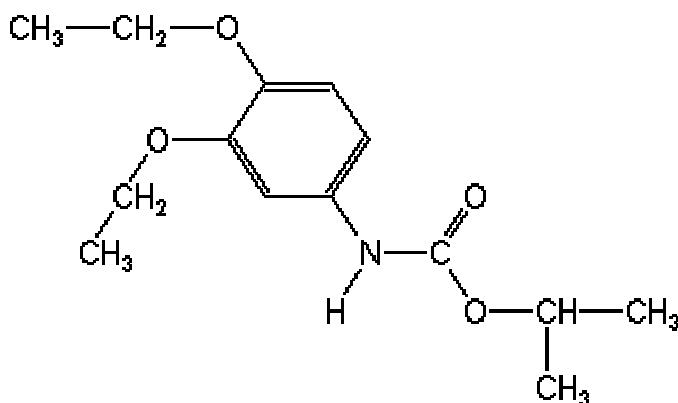
**Reference Items**

No certified reference items were used.

Name:	Dicrotophos
Lot Number:	
Certificate of:	
Purity:	93.0 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	

Test Items

Name:	Diethofencarb
Chemical name (IUPAC):	isopropyl 3,4-diethoxycarbanilate
CAS-Registry-Number:	87130-20-9
Empirical formula:	C ₁₄ H ₂₁ NO ₄
Molecular mass:	267.3
Chemical Structure:	

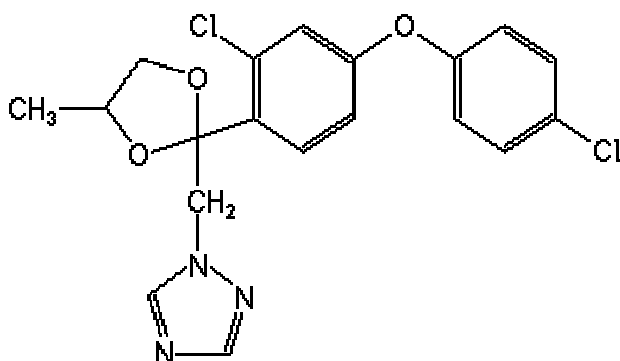
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	Diethofencarb
Lot Number:	10418
Certificate of:	21.05.01
Purity:	99.0 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.05.05

Test Items

Name:	Difenoconazole
Chemical name (IUPAC):	cis-trans-3-chloro-4-[4-methyl-2-(1H-1,2,4-triazol-1-ylmethyl)-1,3-dioxolan-2-yl]phenyl 4-chlorophenyl ether
CAS-Registry-Number:	119446-68-3
Empirical formula:	C ₁₉ H ₁₇ Cl ₂ N ₃ O ₃
Molecular mass:	406.3
Chemical Structure:	

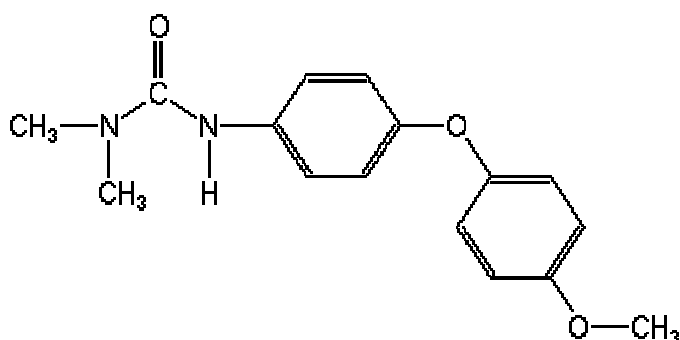
**Reference Items**

The certified reference items were supplied by Eurofins Analytik GmbH, Dr. Specht Laboratorien, D-21079 Hamburg.

Name:	Difenoconazole
Lot Number:	30408
Certificate of:	14.04.03
Purity:	99.5 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.04.07

Test Items

Name:	Difenoxuron
Chemical name (IUPAC):	3-[4-(4-methoxyphenoxy)phenyl]-1,1-dimethylurea
CAS-Registry-Number:	14214-32-5
Empirical formula:	C ₁₆ H ₁₈ N ₂ O ₃
Molecular mass:	286.3
Chemical Structure:	

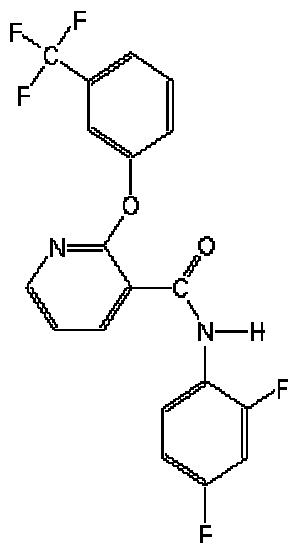
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	Difenoxuron
Lot Number:	40702
Certificate of:	07.07.04
Purity:	98.4 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.07.10

Test Items

Name:	Diflufenican
Chemical name (IUPAC):	2',4'-difluoro-2-(a,a,a-trifluoro-m-tolyloxy)nicotinamide
CAS-Registry-Number:	83164-33-4
Empirical formula:	C ₁₉ H ₁₁ F ₅ N ₂ O ₂
Molecular mass:	394.3
Chemical Structure:	

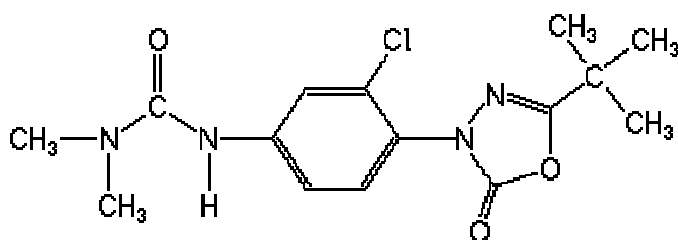
**Reference Items**

The certified reference items were supplied by Eurofins Analytik GmbH, Dr. Specht Laboratorien, D-21079 Hamburg.

Name:	Diflufenican
Lot Number:	00629
Certificate of:	12.07.00
Purity:	99.5 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.07.06

Test Items

Name:	Dimefuron
Chemical name (IUPAC):	3-[4-(5-tert-butyl-2,3-dihydro-2-oxo-1,3,4-oxadiazol-3-yl)-3-chlorophenyl]-1,1-dimethylurea
CAS-Registry-Number:	34205-21-5
Empirical formula:	C ₁₅ H ₁₉ ClN ₄ O ₃
Molecular mass:	338.8
Chemical Structure:	

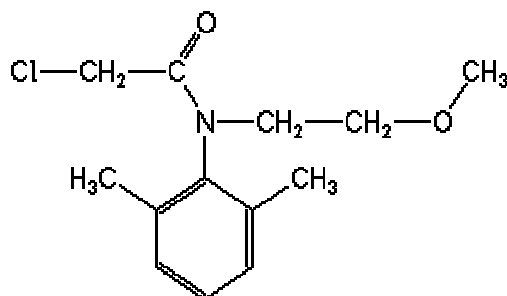
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	Dimefuron
Lot Number:	20604
Certificate of:	28.06.02
Purity:	99.0 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.06.06

Test Items

Name:	Dimethachlor
Chemical name (IUPAC):	2-chloro-N-(2-methoxyethyl)acet-2',6'-xylylide
CAS-Registry-Number:	50563-36-5
Empirical formula:	C ₁₃ H ₁₈ ClNO ₂
Molecular mass:	255.7
Chemical Structure:	

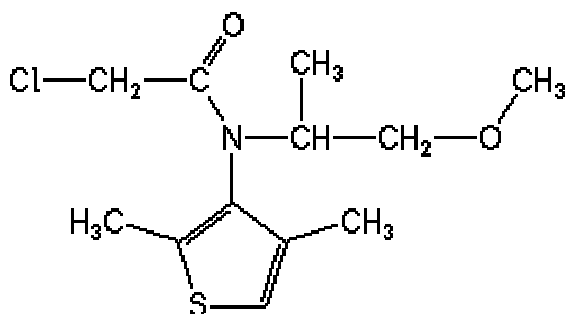
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	Dimethachlor
Lot Number:	21206
Certificate of:	20.12.02
Purity:	99.5 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.12.06

Test Items

Name:	Dimethenamide
Chemical name (IUPAC):	(RS)-2-chloro-N-(2,4-dimethyl-3-thienyl)-N-(2-methoxy-1-methylethyl)acetamide
CAS-Registry-Number:	87674-68-8
Empirical formula:	C ₁₂ H ₁₈ ClNO ₂ S
Molecular mass:	275.8
Chemical Structure:	

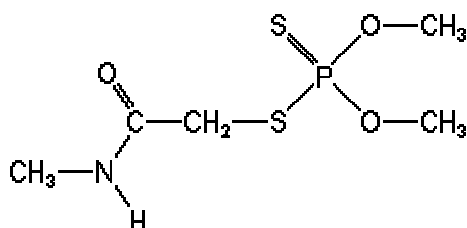
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	Dimethenamide
Lot Number:	21211
Certificate of:	09.01.03
Purity:	93.0 %
Storage at test facility:	≤ -18 °C under dark conditions
Expiry date:	01.01.07

Test Items

Name:	Dimethoate
Chemical name (IUPAC):	O,O-dimethyl S-methylcarbamoylmethyl phosphorodithioate or 2-dimethoxyphosphinothioylthio-N-methylacetamide
CAS-Registry-Number:	60-51-5
Empirical formula:	C ₅ H ₁₂ NO ₃ PS ₂
Molecular mass:	229.3
Chemical Structure:	

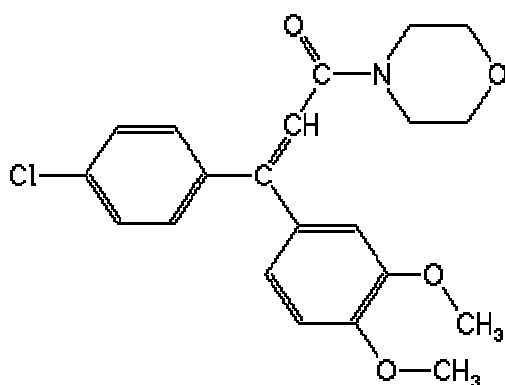
**Reference Items**

The certified reference items were supplied by Eurofins Analytik GmbH, Dr. Specht Laboratorien, D-21079 Hamburg.

Name:	Dimethoate
Lot Number:	30229
Certificate of:	05.03.03
Purity:	98.5 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.03.07

Test Items

Name:	Dimethomorph
Chemical name (IUPAC):	(EZ)-4-[3-(4-chlorophenyl)-3-(3,4-dimethoxyphenyl)acryloyl]morpholine
CAS-Registry-Number:	110488-70-5
Empirical formula:	C ₂₁ H ₂₂ ClNO ₄
Molecular mass:	387.9
Chemical Structure:	

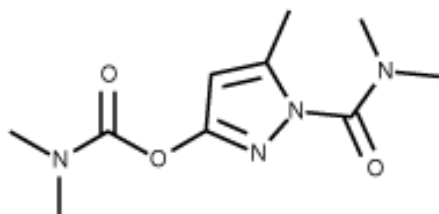
**Reference Items**

The certified reference items were supplied by Eurofins Analytik GmbH, Dr. Specht Laboratorien, D-21079 Hamburg.

Name:	Dimethomorph
Lot Number:	10213
Certificate of:	02.04.01
Purity:	99.5 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.03.05

Test Items

Name:	Dimetilan
Chemical name (IUPAC):	1-dimethylcarbamoyl-5-methylpyrazol-3-yl dimethylcarbamate
CAS-Registry-Number:	644-64-4
Empirical formula:	C ₁₀ H ₁₆ N ₄ O ₃
Molecular mass:	240.3
Chemical Structure:	

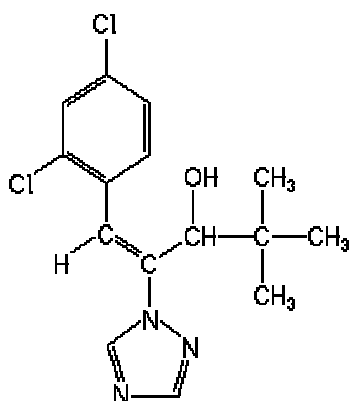
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	Dimetilan
Lot Number:	00810
Certificate of:	23.08.00
Purity:	99.5 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.08.06

Test Items

Name:	Diniconazole
Chemical name (IUPAC):	(E)-(RS)-1-(2,4-dichlorophenyl)-4,4-dimethyl-2-(1H-1,2,4-triazol-1-yl)pent-1-en-3-ol
CAS-Registry-Number:	83657-24-3
Empirical formula:	C ₁₅ H ₁₇ Cl ₂ N ₃ O
Molecular mass:	326.2
Chemical Structure:	

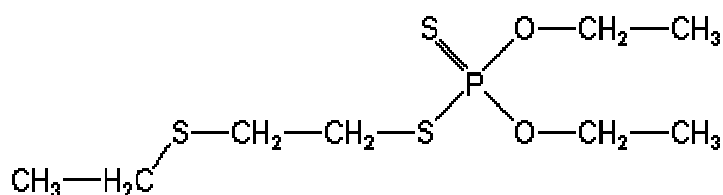
**Reference Items**

No certified reference items were used.

Name:	Diniconazole
Lot Number:	
Certificate of:	
Purity:	100.0 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	

Test Items

Name:	Disulfoton
Chemical name (IUPAC):	O,O-diethyl S-2-ethylthioethyl phosphorodithioate
CAS-Registry-Number:	298-04-4
Empirical formula:	C ₈ H ₁₉ O ₂ PS ₃
Molecular mass:	274.4
Chemical Structure:	

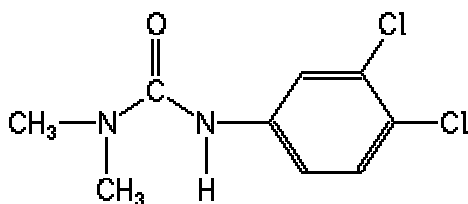
**Reference Items**

The certified reference items were supplied by Eurofins Analytik GmbH, Dr. Specht Laboratorien, D-21079 Hamburg.

Name:	Disulfoton
Lot Number:	30127
Certificate of:	03.02.03
Purity:	94.5 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.02.07

Test Items

Name:	Diuron
Chemical name (IUPAC):	3-(3,4-dichlorophenyl)-1,1-dimethylurea
CAS-Registry-Number:	330-54-1
Empirical formula:	C ₉ H ₁₀ Cl ₂ N ₂ O
Molecular mass:	233.1
Chemical Structure:	

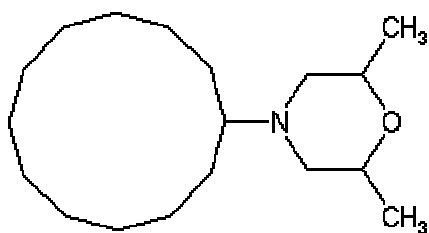
**Reference Items**

The certified reference items were supplied by Eurofins Analytik GmbH, Dr. Specht Laboratorien, D-21079 Hamburg.

Name:	Diuron
Lot Number:	DP392
Certificate of:	26.05.04
Purity:	99.6 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	17.05.12

Test Items

Name:	Dodemorph
Chemical name (IUPAC):	4-cyclododecyl-2,6-dimethylmorpholine
CAS-Registry-Number:	1593-77-7
Empirical formula:	C ₁₈ H ₃₅ NO
Molecular mass:	281.5
Chemical Structure:	

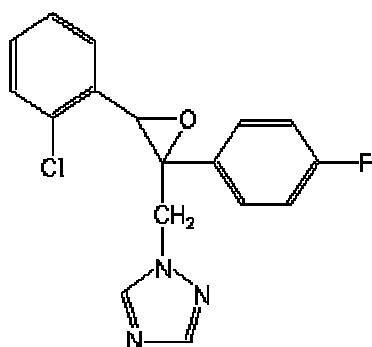
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	Dodemorph
Lot Number:	01025
Certificate of:	03.11.00
Purity:	99.0 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.11.06

Test Items

Name:	Epoxiconazole
Chemical name (IUPAC):	(2RS,3SR)-1-[3-(2-chlorophenyl)-2,3-epoxy-2-(4-fluorophenyl)propyl]-1H-1,2,4-triazole
CAS-Registry-Number:	106325-08-0
Empirical formula:	C ₁₇ H ₁₃ ClFN ₃ O
Molecular mass:	329.8
Chemical Structure:	

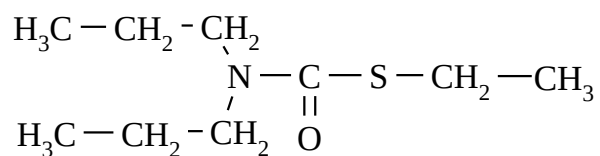
**Reference Items**

The certified reference items were supplied by Eurofins Analytik GmbH, Dr. Specht Laboratorien, D-21079 Hamburg.

Name:	Epoxiconazole
Lot Number:	39-167-1
Certificate of:	26.07.99
Purity:	99.8 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	31.07.07

Test Items

Name:	Eptc
Chemical name (IUPAC):	S-ethyl dipropylthiocarbamate
CAS-Registry-Number:	759-94-4
Empirical formula:	C ₉ H ₁₉ NOS
Molecular mass:	189.3
Chemical Structure:	

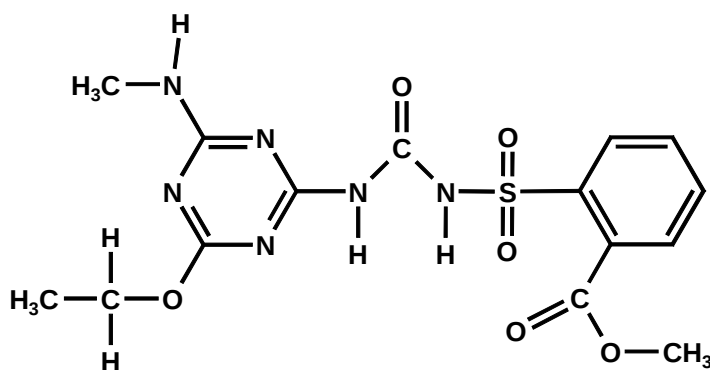
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	Eptc
Lot Number:	31113
Certificate of:	04.12.03
Purity:	97.0 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.12.07

Test Items

Name: **Ethametsulfuron-methyl**
Chemical name (IUPAC): methyl 2-[(4-ethoxy-6-methylamino-1,3,5-triazin-2-yl)carbamoylsulfamoyl]benzoate
CAS-Registry-Number: 97780-06-8
Empirical formula: C₁₅H₁₈N₆O₆S
Molecular mass: 410.4
Chemical Structure:

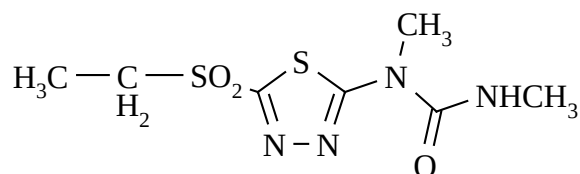
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name: **Ethametsulfuron-methyl**
Lot Number: 20726
Certificate of: 18.09.02
Purity: 98.5 %
Storage at test facility: ≤-18 °C under dark conditions
Expiry date: 01.09.06

Test Items

Name:	Ethidimuron
Chemical name (IUPAC):	1-(5-ethylsulfonyl-1,3,4-thiadiazol-2-yl)-1,3-dimethylurea
CAS-Registry-Number:	30043-49-3
Empirical formula:	C ₇ H ₁₂ N ₄ O ₃ S ₂
Molecular mass:	264.3
Chemical Structure:	

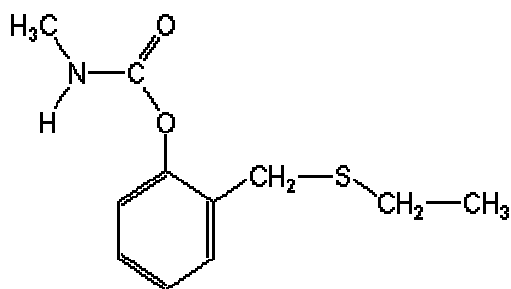
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	Ethidimuron
Lot Number:	30210
Certificate of:	13.02.03
Purity:	99.5 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.02.09

Test Items

Name:	Ethiofencarb
Chemical name (IUPAC):	a-ethylthio-o-tolyl methylcarbamate
CAS-Registry-Number:	29973-13-5
Empirical formula:	C ₁₁ H ₁₅ NO ₂ S
Molecular mass:	225.3
Chemical Structure:	

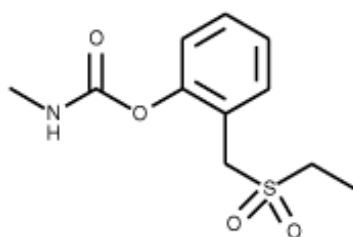
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	Ethiofencarb
Lot Number:	30618
Certificate of:	25.06.03
Purity:	98.0 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.06.07

Test Items

Name:	Ethiofencarbsulfon
Chemical name (IUPAC):	2-(ethylsulfonylmethylphenyl)-methyl-carbamate
CAS-Registry-Number:	53380-23-7
Empirical formula:	C ₁₁ H ₁₅ NO ₄ S
Molecular mass:	257.3
Chemical Structure:	

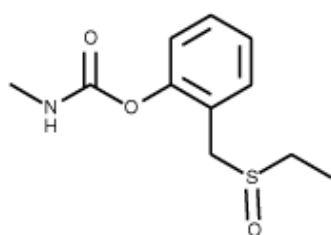
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	Ethiofencarbsulfon
Lot Number:	30812
Certificate of:	20.08.03
Purity:	98.7 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.08.07

Test Items

Name:	Ethiofencarbsulfoxid
Chemical name (IUPAC):	2-(ethylsulfinylmethylphenyl)-methyl-carbamate
CAS-Registry-Number:	53380-22-6
Empirical formula:	C ₁₁ H ₁₅ NO ₃ S
Molecular mass:	241.3
Chemical Structure:	

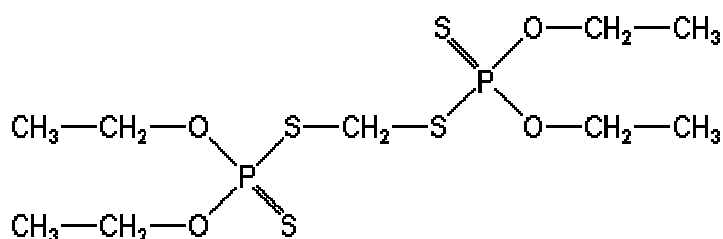
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	Ethiofencarbsulfoxid
Lot Number:	20102
Certificate of:	29.01.02
Purity:	98.0 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.01.06

Test Items

Name:	Ethion
Chemical name (IUPAC):	O,O,O',O'-tetraethyl S,S'-methylene bis(phosphorodithioate)
CAS-Registry-Number:	563-12-2
Empirical formula:	C ₉ H ₂₂ O ₄ P ₂ S ₄
Molecular mass:	384.5
Chemical Structure:	

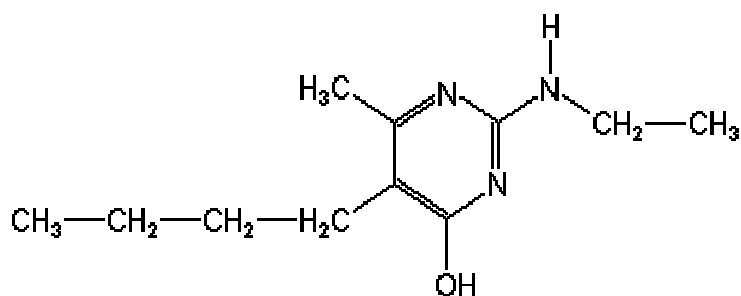
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	Ethion
Lot Number:	60411
Certificate of:	18.04.96
Purity:	94.0 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.04.00

Test Items

Name:	Ethirimol
Chemical name (IUPAC):	5-butyl-2-ethylamino-6-methylpyrimidin-4-ol
CAS-Registry-Number:	23947-60-6
Empirical formula:	C ₁₁ H ₁₉ N ₃ O
Molecular mass:	209.3
Chemical Structure:	

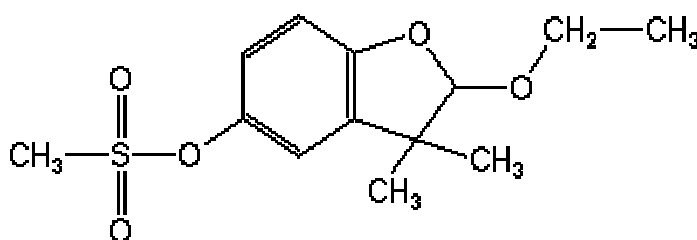
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	Ethirimol
Lot Number:	00707
Certificate of:	18.07.00
Purity:	99.5 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.07.06

Test Items

Name:	Ethofumesate
Chemical name (IUPAC):	(RS)-2-ethoxy-2,3-dihydro-3,3-dimethylbenzofuran-5-yl methanesulfonate
CAS-Registry-Number:	26225-79-6
Empirical formula:	C ₁₃ H ₁₈ O ₅ S
Molecular mass:	286.3
Chemical Structure:	

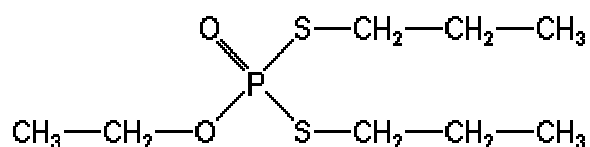
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	Ethofumesate
Lot Number:	21011
Certificate of:	21.10.02
Purity:	98.5 %
Storage at test facility:	≤ -18 °C under dark conditions
Expiry date:	01.10.06

Test Items

Name:	Ethoprophos
Chemical name (IUPAC):	O-ethyl S,S-dipropyl phosphorodithioate
CAS-Registry-Number:	13194-48-4
Empirical formula:	C8H19O2PS2
Molecular mass:	242.3
Chemical Structure:	



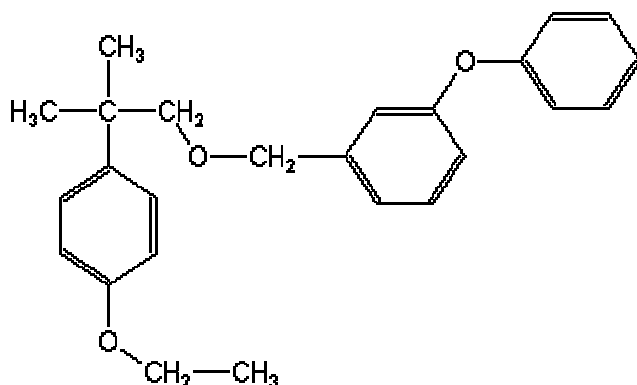
Reference Items

No certified reference items were used.

Name:	Ethoprophos
Lot Number:	
Certificate of:	
Purity:	93.0 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	

Test Items

Name:	Etofenprox
Chemical name (IUPAC):	2-(4-ethoxyphenyl)-2-methylpropyl 3-phenoxybenzyl ether
CAS-Registry-Number:	80844-07-1
Empirical formula:	C ₂₅ H ₂₈ O ₃
Molecular mass:	376.5
Chemical Structure:	

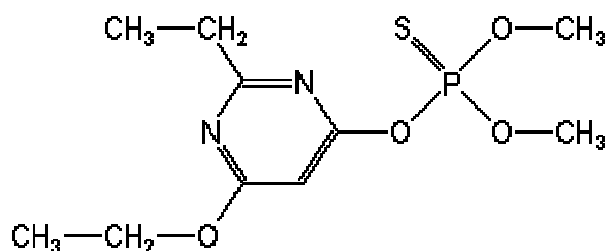
**Reference Items**

The certified reference items were supplied by Eurofins Analytik GmbH, Dr. Specht Labororien, D-21079 Hamburg.

Name:	Etofenprox
Lot Number:	20709
Certificate of:	22.07.02
Purity:	96.5 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.07.06

Test Items

Name:	Etrimfos
Chemical name (IUPAC):	O-6-ethoxy-2-ethylpyrimidin-4-yl O,O-dimethyl phosphorothioate
CAS-Registry-Number:	38260-54-7
Empirical formula:	C ₁₀ H ₁₇ N ₂ O ₄ PS
Molecular mass:	292.3
Chemical Structure:	

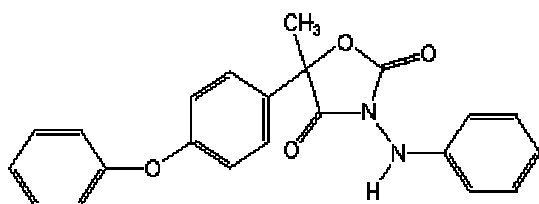
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	Etrimfos
Lot Number:	40823
Certificate of:	23.08.94
Purity:	63.0 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.08.96

Test Items

Name:	Famoxadone
Chemical name (IUPAC):	(RS)-3-anilino-5-methyl-5-(4-phenoxyphenyl)-1,3-oxazolidine-2,4-dione
CAS-Registry-Number:	131807-57-3
Empirical formula:	C ₂₂ H ₁₈ N ₂ O ₄
Molecular mass:	374.4
Chemical Structure:	

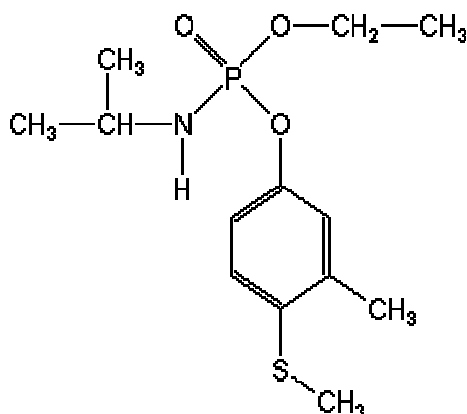
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	Famoxadone
Lot Number:	10522
Certificate of:	20.06.01
Purity:	98.0 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.06.05

Test Items

Name:	Fenamiphos
Chemical name (IUPAC):	(RS)-ethyl 4-methylthio-m-tolyl isopropylphosphoramidate
CAS-Registry-Number:	22224-92-6
Empirical formula:	C ₁₃ H ₂₂ NO ₃ PS
Molecular mass:	303.4
Chemical Structure:	

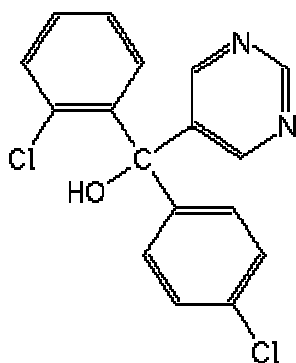
**Reference Items**

No certified reference items were used.

Name:	Fenamiphos
Lot Number:	
Certificate of:	
Purity:	90.0 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	

Test Items

Name:	Fenarimol
Chemical name (IUPAC):	(RS)-2,4'-dichloro-a-(pyrimidin-5-yl)benzhydryl alcohol
CAS-Registry-Number:	60168-88-9
Empirical formula:	C ₁₇ H ₁₂ Cl ₂ N ₂ O
Molecular mass:	331.2
Chemical Structure:	

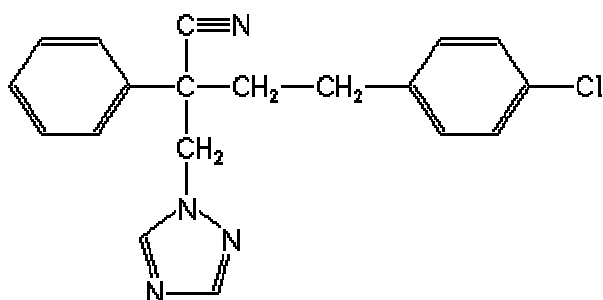
**Reference Items**

No certified reference items were used.

Name:	Fenarimol
Lot Number:	40322
Certificate of:	
Purity:	99.6 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.04.98

Test Items

Name:	Fenbuconazole
Chemical name (IUPAC):	(RS)-4-(4-chlorophenyl)-2-phenyl-2-(1H-1,2,4-triazol-1-ylmethyl)butyronitrile
CAS-Registry-Number:	114369-43-6
Empirical formula:	C ₁₉ H ₁₇ ClN ₄
Molecular mass:	336.8
Chemical Structure:	

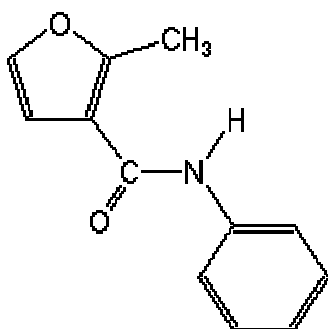
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	Fenbuconazole
Lot Number:	71960
Certificate of:	06.08.97
Purity:	99.8 %
Storage at test facility:	≤ -18 °C under dark conditions
Expiry date:	01.07.00

Test Items

Name:	Fenfuram
Chemical name (IUPAC):	2-methyl-3-furanilide
CAS-Registry-Number:	24691-80-3
Empirical formula:	C ₁₂ H ₁₁ NO ₂
Molecular mass:	201.2
Chemical Structure:	

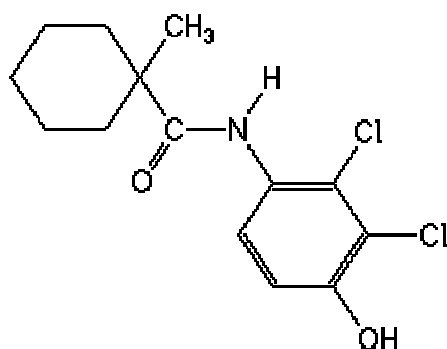
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	Fenfuram
Lot Number:	20121
Certificate of:	25.01.02
Purity:	99.0 %
Storage at test facility:	≤ -18 °C under dark conditions
Expiry date:	01.01.08

Test Items

Name:	Fenhexamid
Chemical name (IUPAC):	2',3'-dichloro-4'-hydroxy-1-methylcyclohexanecarboxanilide
CAS-Registry-Number:	126833-17-8
Empirical formula:	C ₁₄ H ₁₇ Cl ₂ NO ₂
Molecular mass:	302.2
Chemical Structure:	

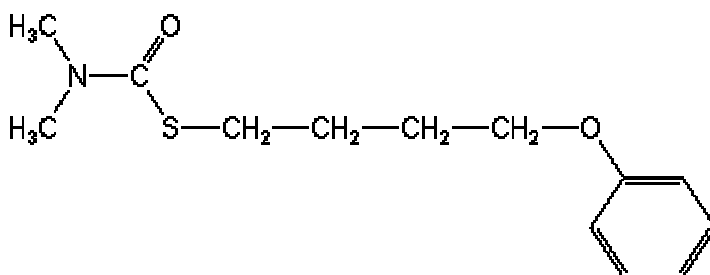
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	Fenhexamid
Lot Number:	40621
Certificate of:	06.07.04
Purity:	99.5 %
Storage at test facility:	≤ -18 °C under dark conditions
Expiry date:	01.07.07

Test Items

Name:	Fenothiocarb
Chemical name (IUPAC):	S-4-phenoxybutyl dimethylthiocarbamate
CAS-Registry-Number:	62850-32-2
Empirical formula:	C ₁₃ H ₁₉ NO ₂ S
Molecular mass:	253.4
Chemical Structure:	

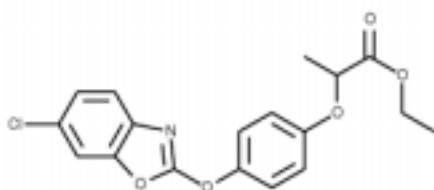
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	Fenothiocarb
Lot Number:	40213TO
Certificate of:	26.02.04
Purity:	
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.02.07

Test Items

Name:	Fenoxaprop-ethyl
Chemical name (IUPAC):	ethyl (RS)-2-[4-(6-chloro-1,3-benzoxazol-2-yloxy)phenoxy]propionate
CAS-Registry-Number:	66441-23-4
Empirical formula:	C ₁₈ H ₁₆ ClNO ₅
Molecular mass:	361.8
Chemical Structure:	

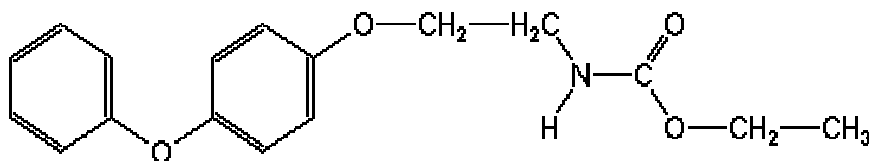
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	Fenoxaprop-ethyl
Lot Number:	10516
Certificate of:	21.05.01
Purity:	99.5 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.05.07

Test Items

Name:	Fenoxycarb
Chemical name (IUPAC):	ethyl 2-(4-phenoxyphenoxy)ethylcarbamate
CAS-Registry-Number:	79127-80-3
Empirical formula:	C ₁₇ H ₁₉ NO ₄
Molecular mass:	301.3
Chemical Structure:	

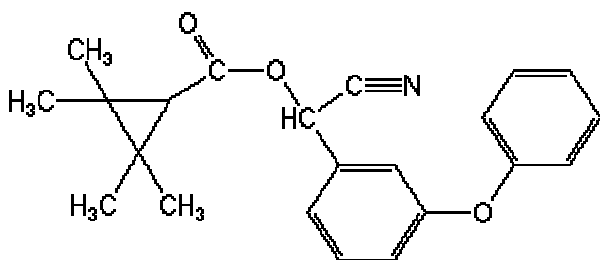
**Reference Items**

The certified reference items were supplied by Eurofins Analytik GmbH, Dr. Specht Laboratorien, D-21079 Hamburg.

Name:	Fenoxycarb
Lot Number:	AMS 593/3
Certificate of:	30.04.03
Purity:	99.5 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.04.05

Test Items

Name:	Fenpropathrin
Chemical name (IUPAC):	(RS)- α -cyano-3-phenoxybenzyl 2,2,3,3-tetramethylcyclopropanecarboxylate
CAS-Registry-Number:	39515-41-8
Empirical formula:	C ₂₂ H ₂₃ NO ₃
Molecular mass:	349.4
Chemical Structure:	

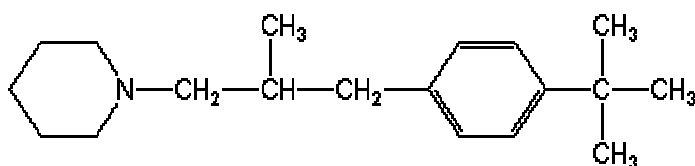
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	Fenpropathrin
Lot Number:	80603
Certificate of:	25.06.98
Purity:	99.5 %
Storage at test facility:	≤ -18 °C under dark conditions
Expiry date:	01.06.02

Test Items

Name:	Fenpropidin
Chemical name (IUPAC):	(RS)-1-[3-(4-tert-butylphenyl)-2-methylpropyl]piperidine
CAS-Registry-Number:	67306-00-7
Empirical formula:	C ₁₉ H ₃₁ N
Molecular mass:	273.5
Chemical Structure:	

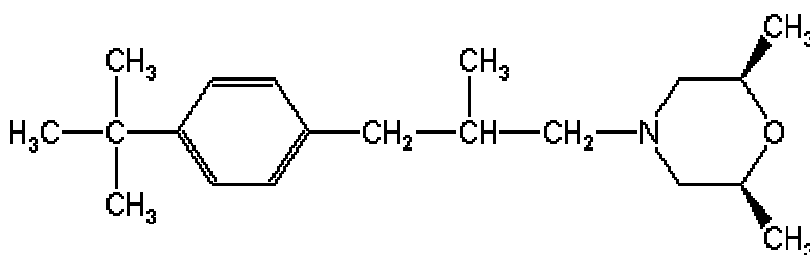
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	Fenpropidin
Lot Number:	40513
Certificate of:	27.05.04
Purity:	97.5 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.05.08

Test Items

Name:	Fenpropimorph
Chemical name (IUPAC):	(RS)-cis-4-[3-(4-tert-butylphenyl)-2-methylpropyl]-2,6-dimethylmorpholine
CAS-Registry-Number:	67306-03-0
Empirical formula:	C ₂₀ H ₃₃ NO
Molecular mass:	303.5
Chemical Structure:	

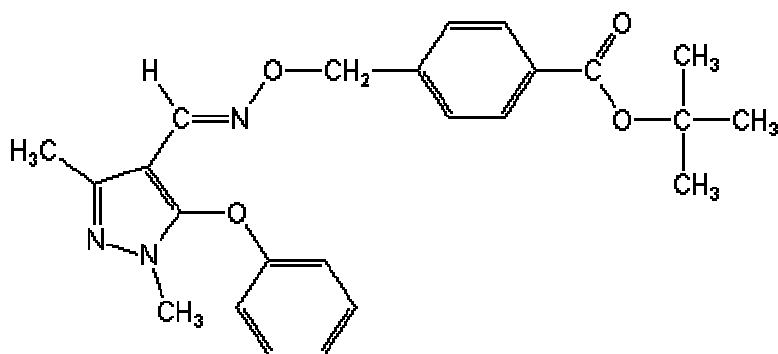
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	Fenpropimorph
Lot Number:	60503
Certificate of:	03.05.96
Purity:	92.0 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.05.00

Test Items

Name:	Fenpyroximate
Chemical name (IUPAC):	tert-butyl (E)-a-(1,3-dimethyl-5-phenoxy-pyrazol-4-ylmethyleneamino-oxy)-p-toluate
CAS-Registry-Number:	111812-58-9
Empirical formula:	C ₂₄ H ₂₇ N ₃ O ₄
Molecular mass:	421.5
Chemical Structure:	

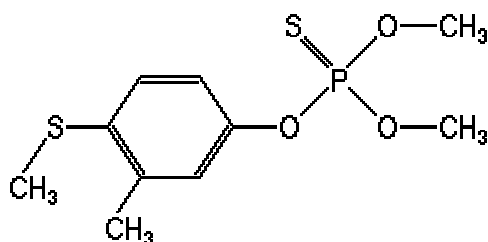
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	Fenpyroximate
Lot Number:	20320
Certificate of:	20.04.02
Purity:	94.0 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.04.06

Test Items

Name:	Fenthion
Chemical name (IUPAC):	O,O-dimethyl O-4-methylthio-m-tolyl phosphorothioate
CAS-Registry-Number:	55-38-9
Empirical formula:	C ₁₀ H ₁₅ O ₃ PS ₂
Molecular mass:	278.3
Chemical Structure:	

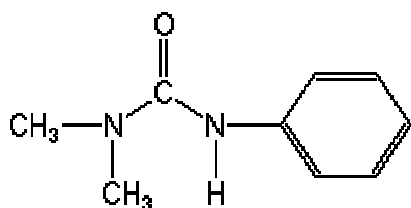
**Reference Items**

No certified reference items were used.

Name:	Fenthion
Lot Number:	
Certificate of:	
Purity:	98.0 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	

Test Items

Name:	Fenuron
Chemical name (IUPAC):	1,1-dimethyl-3-phenylurea
CAS-Registry-Number:	101-42-8
Empirical formula:	C ₉ H ₁₂ N ₂ O
Molecular mass:	164.2
Chemical Structure:	

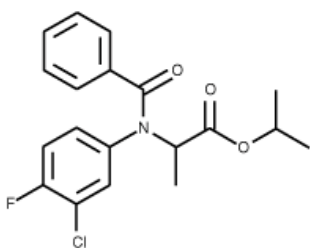
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	Fenuron
Lot Number:	10313
Certificate of:	26.03.01
Purity:	99.0 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.03.07

Test Items

Name:	Flamprop-isopropyl
Chemical name (IUPAC):	isopropyl N-benzoyl-N-(3-chloro-4-fluorophenyl)-DL-alaninate
CAS-Registry-Number:	52756-22-6
Empirical formula:	C ₁₉ H ₁₉ ClFNO ₃
Molecular mass:	363.8
Chemical Structure:	

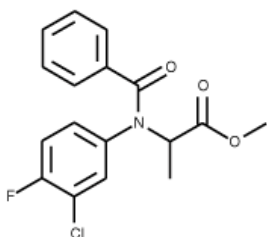
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	Flamprop-isopropyl
Lot Number:	40120
Certificate of:	05.02.04
Purity:	98.0 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.02.10

Test Items

Name:	Flamprop-methyl
Chemical name (IUPAC):	methyl N-benzoyl-N-(3-chloro-4-fluorophenyl)-DL-alaninate
CAS-Registry-Number:	52756-25-9
Empirical formula:	C ₁₇ H ₁₅ ClFNO ₃
Molecular mass:	335.8
Chemical Structure:	

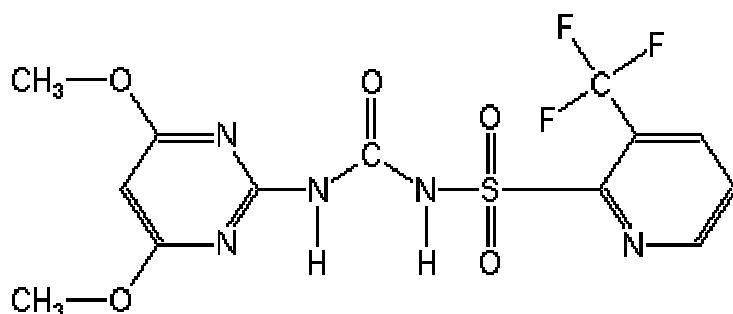
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	Flamprop-methyl
Lot Number:	00317
Certificate of:	29.03.00
Purity:	99.5 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.03.06

Test Items

Name:	Flazasulfuron
Chemical name (IUPAC):	1-(4,6-dimethoxypyrimidin-2-yl)-3-(3-trifluoromethyl-2-pyridylsulfonyl)urea
CAS-Registry-Number:	104040-78-0
Empirical formula:	C ₁₃ H ₁₂ F ₃ N ₅ O ₅ S
Molecular mass:	407.3
Chemical Structure:	

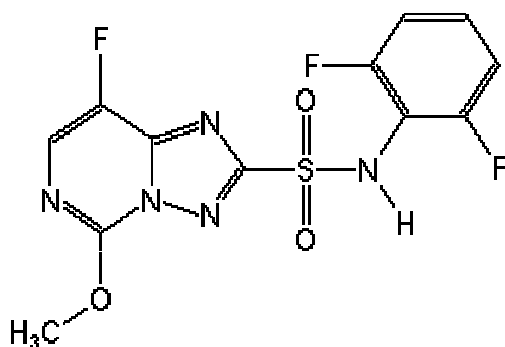
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	Flazasulfuron
Lot Number:	30710
Certificate of:	22.07.03
Purity:	99.0 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.07.07

Test Items

Name: **Florasulam**
Chemical name (IUPAC): 2',6',8-trifluoro-5-methoxy[1,2,4]triazolo[1,5-c]pyrimidine-2-sulfonanilide
CAS-Registry-Number: 145701-23-1
Empirical formula: C₁₂H₈F₃N₅O₃S
Molecular mass: 359.3
Chemical Structure:

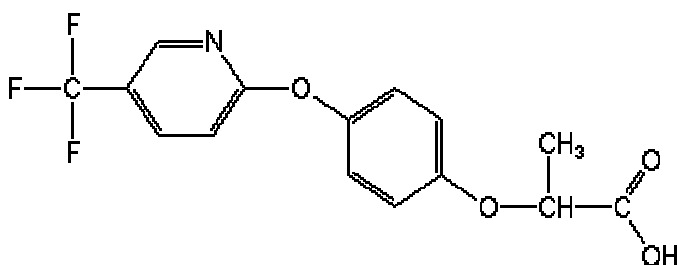
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name: **Florasulam**
Lot Number: 41005AL
Certificate of: 06.10.04
Purity:
Storage at test facility: ≤ -18 °C under dark conditions
Expiry date: 01.10.06

Test Items

Name: **Fluazifop (free acid)**
Chemical name (IUPAC): (RS)-2-{4-[5-(trifluoromethyl)-2-pyridyloxy]phenoxy}propionic acid
CAS-Registry-Number: 69335-91-7
Empirical formula: C₁₅H₁₂F₃NO₄
Molecular mass: 327.3
Chemical Structure:

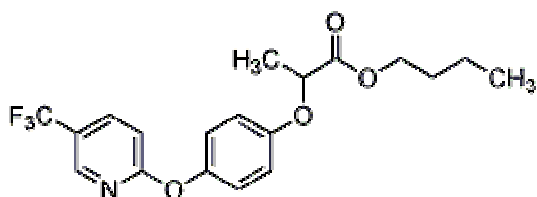
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name: **Fluazifop (free acid)**
Lot Number: 30814
Certificate of: 28.08.03
Purity: 96.0 %
Storage at test facility: ≤-18 °C under dark conditions
Expiry date: 01.08.09

Test Items

Name:	Fluazifop-butyl
Chemical name (IUPAC):	butyl (R)-2-{4-[5-(trifluoromethyl)-2-pyridyloxy]phenoxy}propionate
CAS-Registry-Number:	69806-50-4
Empirical formula:	C ₁₉ H ₂₀ F ₃ NO ₄
Molecular mass:	383.4
Chemical Structure:	

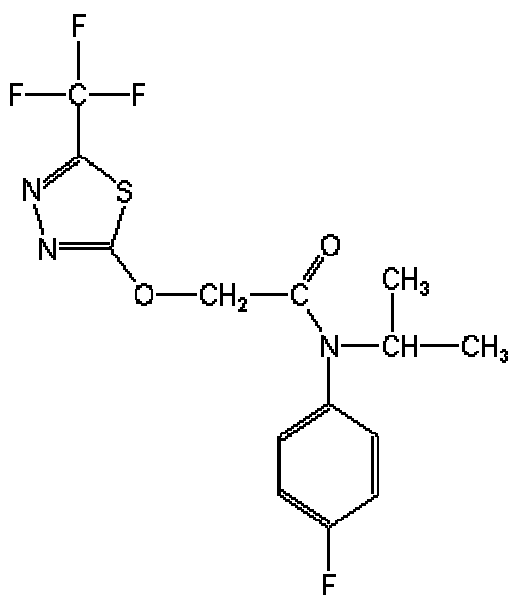
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	Fluazifop-butyl
Lot Number:	70911
Certificate of:	29.09.97
Purity:	98.5 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	02.09.03

Test Items

Name:	Flufenacet
Chemical name (IUPAC):	4'-fluoro-N-isopropyl-2-[5-(trifluoromethyl)-1,3,4-thiadiazol-2-yloxy]acetanilide
CAS-Registry-Number:	142459-58-3
Empirical formula:	C ₁₄ H ₁₃ F ₄ N ₃ O ₂ S
Molecular mass:	363.4
Chemical Structure:	

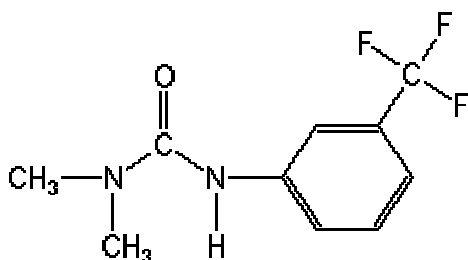
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	Flufenacet
Lot Number:	30120
Certificate of:	31.03.03
Purity:	99.0 %
Storage at test facility:	≤ -18 °C under dark conditions
Expiry date:	01.02.07

Test Items

Name:	Fluometuron
Chemical name (IUPAC):	1,1-dimethyl-3-(a,a,a-trifluoro-m-tolyl)urea
CAS-Registry-Number:	2164-17-2
Empirical formula:	C ₁₀ H ₁₁ F ₃ N ₂ O
Molecular mass:	232.2
Chemical Structure:	

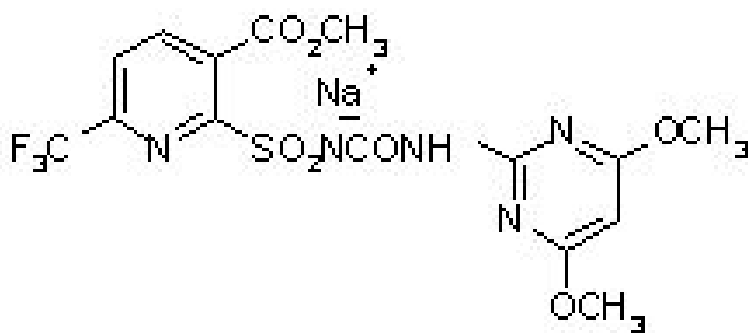
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	Fluometuron
Lot Number:	10427
Certificate of:	08.05.01
Purity:	98.5 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.05.07

Test Items

Name:	Flupyrsulfuron-methyl sodium
Chemical name (IUPAC):	methyl 2-(4,6-dimethoxypyrimidin-2-ylcarbamoylsulfamoyl)-6-trifluoromethylnicotinate sodium salt
CAS-Registry-Number:	144740-54-5
Empirical formula:	C ₁₅ H ₁₃ F ₃ N ₅ NaO ₇ S
Molecular mass:	487.3
Chemical Structure:	

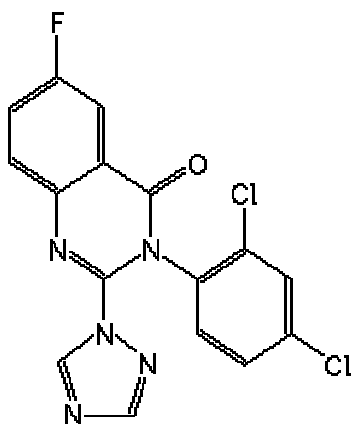
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	Flupyrsulfuron-methyl sodium
Lot Number:	30117
Certificate of:	17.01.03
Purity:	97.5 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.01.07

Test Items

Name:	Fluquinconazole
Chemical name (IUPAC):	3-(2,4-dichlorophenyl)-6-fluoro-2-(1H-1,2,4-triazol-1-yl)quinazolin-4(3H)-one
CAS-Registry-Number:	136426-54-5
Empirical formula:	C ₁₆ H ₈ Cl ₂ FN ₅ O
Molecular mass:	376.2
Chemical Structure:	

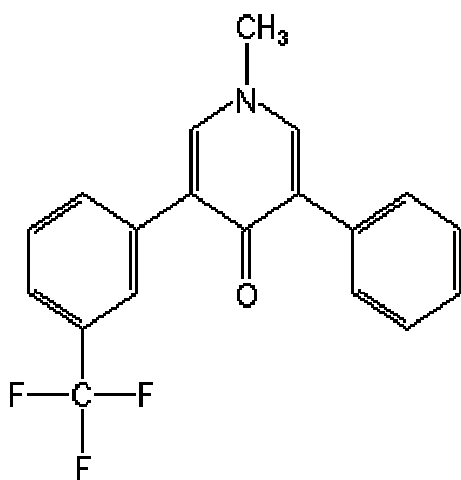
**Reference Items**

The certified reference items were supplied by Eurofins Analytik GmbH, Dr. Specht Laboratorien, D-21079 Hamburg.

Name:	Fluquinconazole
Lot Number:	AMS 593/3
Certificate of:	30.04.03
Purity:	99.5 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.04.05

Test Items

Name:	Fluridone
Chemical name (IUPAC):	1-methyl-3-phenyl-5-(a,a,a-trifluoro-m-tolyl)-4-pyridone
CAS-Registry-Number:	59756-60-4
Empirical formula:	C ₁₉ H ₁₄ F ₃ NO
Molecular mass:	329.3
Chemical Structure:	

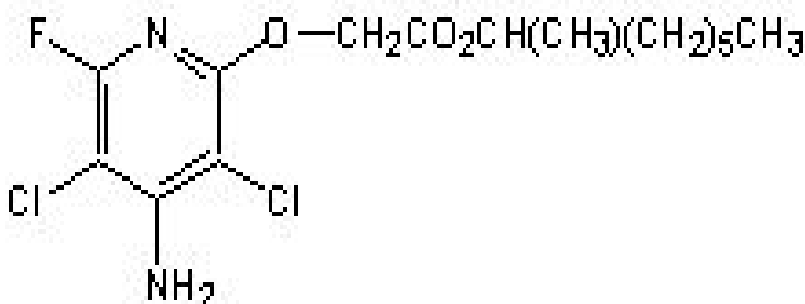
**Reference Items**

No certified reference items were used.

Name:	Fluridone
Lot Number:	60109
Certificate of:	
Purity:	99.6 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.01.00

Test Items

Name:	Fluroxypyr-meptyl
Chemical name (IUPAC):	1-methylheptyl (4-amino-3,5-dichloro-6-fluoro-2-pyridoxy)acetate
CAS-Registry-Number:	81406-37-3
Empirical formula:	C ₁₅ H ₂₁ Cl ₂ FN ₂ O ₃
Molecular mass:	367.3
Chemical Structure:	

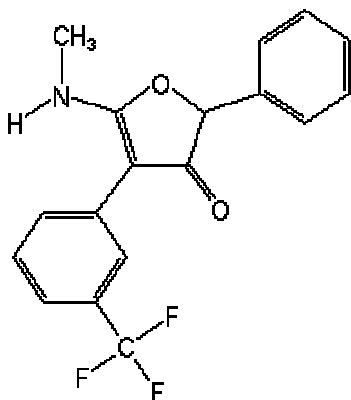
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	Fluroxypyr-meptyl
Lot Number:	11031
Certificate of:	08.11.01
Purity:	99.0 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.11.07

Test Items

Name:	Flurtamone
Chemical name (IUPAC):	(RS)-5-methylamino-2-phenyl-4-(a,a,a-trifluoro-m-tolyl)furan-3(2H)-one
CAS-Registry-Number:	96525-23-4
Empirical formula:	C ₁₈ H ₁₄ F ₃ NO ₂
Molecular mass:	333.3
Chemical Structure:	

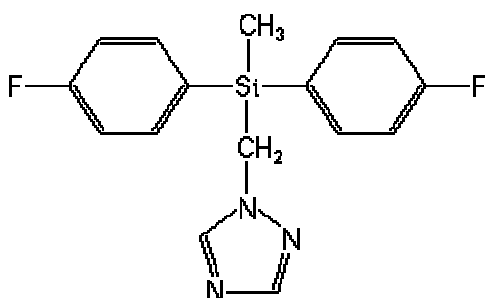
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	Flurtamone
Lot Number:	20130
Certificate of:	31.01.02
Purity:	99.0 %
Storage at test facility:	≤ -18 °C under dark conditions
Expiry date:	01.01.06

Test Items

Name:	Flusilazole
Chemical name (IUPAC):	bis(4-fluorophenyl)(methyl)(1H-1,2,4-triazol-1-ylmethyl)silane or 1-{[bis(4-fluorophenyl)(methyl)silyl]methyl}-1H-1,2,4-triazole
CAS-Registry-Number:	85509-19-9
Empirical formula:	C ₁₆ H ₁₅ F ₂ N ₃ Si
Molecular mass:	315.4
Chemical Structure:	

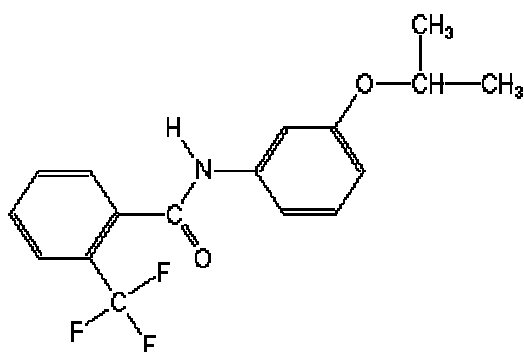
**Reference Items**

No certified reference items were used.

Name:	Flusilazole
Lot Number:	30831
Certificate of:	
Purity:	99.9 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.09.97

Test Items

Name:	Flutolanil
Chemical name (IUPAC):	a,a,a-trifluoro-3'-isopropoxy-o-toluanilide
CAS-Registry-Number:	66332-96-5
Empirical formula:	C ₁₇ H ₁₆ F ₃ NO ₂
Molecular mass:	323.3
Chemical Structure:	

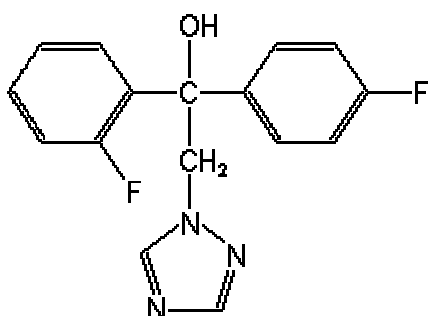
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	Flutolanil
Lot Number:	30721
Certificate of:	09.10.03
Purity:	99.5 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.10.07

Test Items

Name:	Flutriafol
Chemical name (IUPAC):	(RS)-2,4'-difluoro-a-(1H-1,2,4-triazol-1-ylmethyl)benzhydrol alcohol
CAS-Registry-Number:	76674-21-0
Empirical formula:	C ₁₆ H ₁₃ F ₂ N ₃ O
Molecular mass:	301.3
Chemical Structure:	

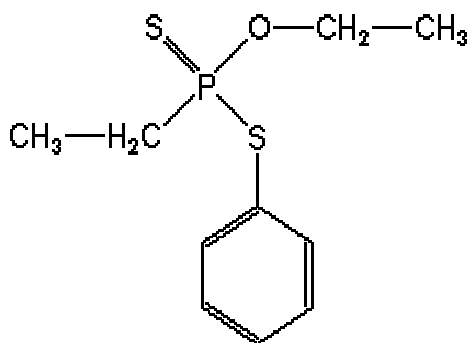
**Reference Items**

The certified reference items were supplied by Eurofins Analytik GmbH, Dr. Specht Laboratorien, D-21079 Hamburg.

Name:	Flutriafol
Lot Number:	30606
Certificate of:	18.06.03
Purity:	97.0 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.07.06

Test Items

Name:	Fonofos
Chemical name (IUPAC):	(RS)-O-ethyl S-phenyl ethylphosphonodithioate
CAS-Registry-Number:	944-22-9
Empirical formula:	C ₁₀ H ₁₅ OPS ₂
Molecular mass:	246.3
Chemical Structure:	

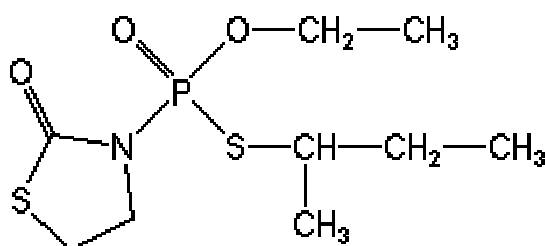
**Reference Items**

The certified reference items were supplied by Eurofins Analytik GmbH, Dr. Specht Laboratorien, D-21079 Hamburg.

Name:	Fonofos
Lot Number:	21111
Certificate of:	09.04.03
Purity:	95.5 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	04.04.07

Test Items

Name:	Fosthiazate
Chemical name (IUPAC):	(RS)-S-sec-butyl O-ethyl 2-oxo-1,3-thiazolidin-3-ylphosphonothioate or (RS)-3-[sec-butylthio(ethoxy)phosphinoyl]-1,3-thiazolidin-2-one
CAS-Registry-Number:	98886-44-3
Empirical formula:	C ₉ H ₁₈ NO ₃ PS ₂
Molecular mass:	283.3
Chemical Structure:	

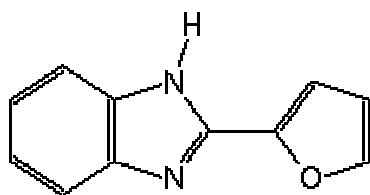
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	Fosthiazate
Lot Number:	30901 AL
Certificate of:	03.09.03
Purity:	
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.09.05

Test Items

Name:	Fuberidazole
Chemical name (IUPAC):	2-(2'-furyl)benzimidazole
CAS-Registry-Number:	3878-19-1
Empirical formula:	C ₁₁ H ₈ N ₂ O
Molecular mass:	184.2
Chemical Structure:	

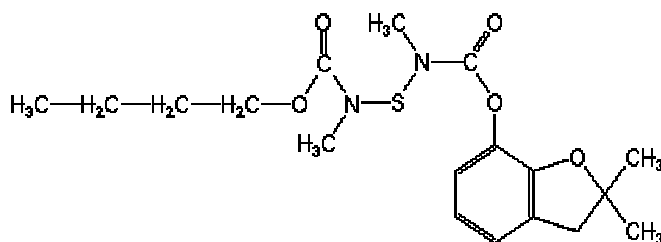
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	Fuberidazole
Lot Number:	41019
Certificate of:	28.10.04
Purity:	99.0 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.10.10

Test Items

Name: **Furathiocarb**
Chemical name (IUPAC): butyl 2,3-dihydro-2,2-dimethylbenzofuran-7-yl N,N'-dimethyl-N,N'-thiodicarbamate
CAS-Registry-Number: 65907-30-4
Empirical formula: C₁₈H₂₆N₂O₅S
Molecular mass: 382.5
Chemical Structure:

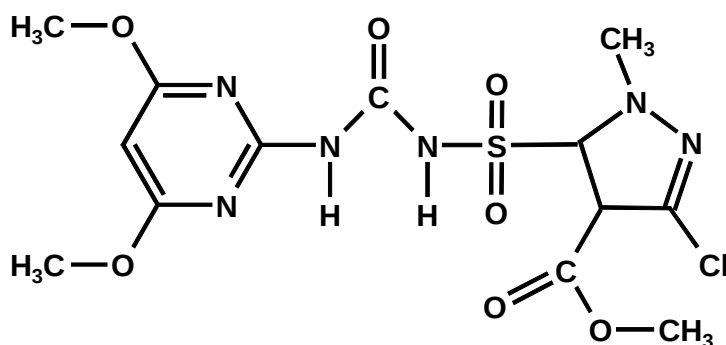
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name: **Furathiocarb**
Lot Number: 40623
Certificate of: 23.06.94
Purity: 99.8 %
Storage at test facility: ≤-18 °C under dark conditions
Expiry date: 01.06.98

Test Items

Name: **Halosulfuron-methyl**
Chemical name (IUPAC): methyl 3-chloro-5-(4,6-dimethoxypyrimidin-2-ylcarbamoylsulfamoyl)-1-methylpyrazole-4-carboxylate
CAS-Registry-Number: 100784-20-1
Empirical formula: C₁₃H₁₅ClN₆O₇S
Molecular mass: 434.8
Chemical Structure:

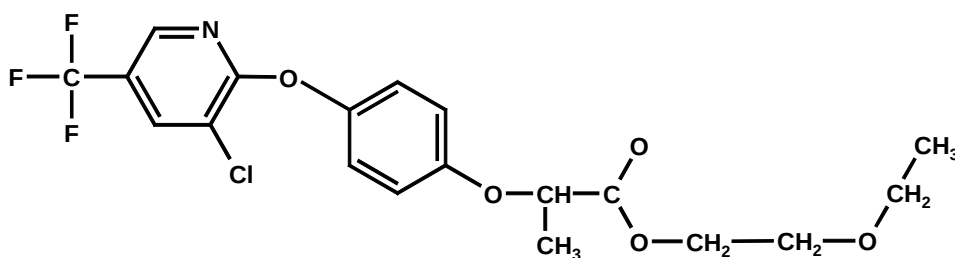
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name: **Halosulfuron-methyl**
Lot Number: 40910MB
Certificate of: 21.09.04
Purity:
Storage at test facility: ≤ -18 °C under dark conditions
Expiry date: 01.09.05

Test Items

Name:	Haloxypop-etotyl
Chemical name (IUPAC):	2-ethoxyethyl (RS)-2-{4-[3-chloro-5-(trifluoromethyl)-2-pyridyloxy]phenoxy}propionate
CAS-Registry-Number:	87237-48-7
Empirical formula:	C ₁₉ H ₁₉ ClF ₃ NO ₅
Molecular mass:	433.8
Chemical Structure:	

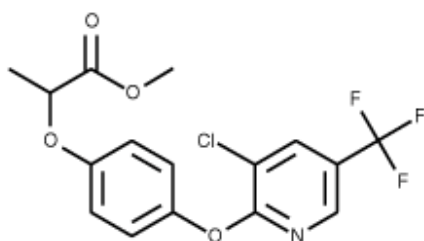
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	Haloxypop-etotyl
Lot Number:	10824
Certificate of:	21.09.01
Purity:	97.0 %
Storage at test facility:	≤ -18 °C under dark conditions
Expiry date:	01.09.07

Test Items

Name: **Haloxypop-methyl**
Chemical name (IUPAC): methyl (RS)-2-{4-[3-chloro-5-(trifluoromethyl)-2-pyridyloxy]phenoxy}propionate
CAS-Registry-Number: 69806-40-2
Empirical formula: C₁₆H₁₃ClF₃NO₄
Molecular mass: 375.7
Chemical Structure:

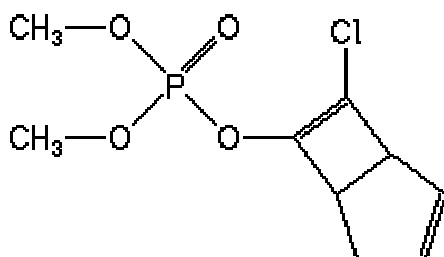
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name: **Haloxypop-methyl**
Lot Number: 10425
Certificate of: 14.05.01
Purity: 97.5 %
Storage at test facility: ≤-18 °C under dark conditions
Expiry date: 01.05.05

Test Items

Name:	Heptenophos
Chemical name (IUPAC):	7-chlorobicyclo[3.2.0]hepta-2,6-dien-6-yl dimethyl phosphate
CAS-Registry-Number:	23560-59-0
Empirical formula:	C ₉ H ₁₂ ClO ₄ P
Molecular mass:	250.6
Chemical Structure:	

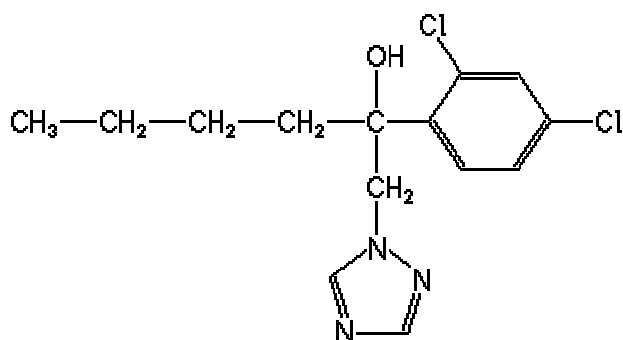
**Reference Items**

No certified reference items were used.

Name:	Heptenophos
Lot Number:	71470
Certificate of:	
Purity:	97.2 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	

Test Items

Name:	Hexaconazole
Chemical name (IUPAC):	(RS)-2-(2,4-dichlorophenyl)-1-(1H-1,2,4-triazol-1-yl)hexan-2-ol
CAS-Registry-Number:	79983-71-4
Empirical formula:	C ₁₄ H ₁₇ Cl ₂ N ₃ O
Molecular mass:	314.2
Chemical Structure:	

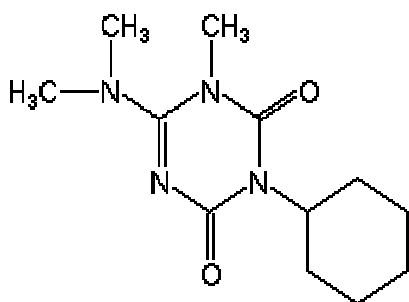
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	Hexaconazole
Lot Number:	21112
Certificate of:	17.01.03
Purity:	97.5 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.01.07

Test Items

Name:	Hexazinone
Chemical name (IUPAC):	3-cyclohexyl-6-dimethylamino-1-methyl-1,3,5-triazine-2,4(1H,3H)-dione
CAS-Registry-Number:	51235-04-2
Empirical formula:	C ₁₂ H ₂₀ N ₄ O ₂
Molecular mass:	252.3
Chemical Structure:	

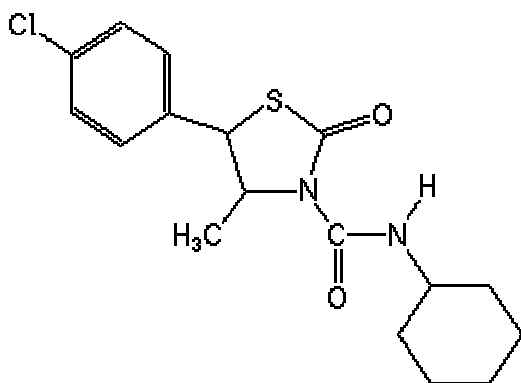
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	Hexazinone
Lot Number:	41001
Certificate of:	12.10.04
Purity:	98.0 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.10.10

Test Items

Name: **Hexythiazox**
Chemical name (IUPAC): (4R,5R)-5-(4-chlorophenyl)-N-cyclohexyl-4-methyl-2-oxo-1,3-thiazolidine-3-carboxamide
CAS-Registry-Number: 78587-05-0
Empirical formula: C₁₇H₂₁ClN₂O₂S
Molecular mass: 352.9
Chemical Structure:

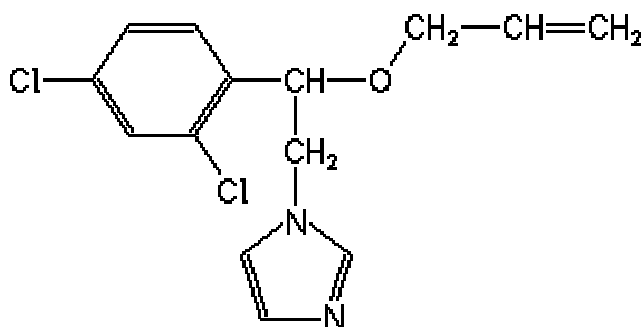
**Reference Items**

The certified reference items were supplied by Eurofins Analytik GmbH, Dr. Specht Laboratorien, D-21079 Hamburg.

Name: **Hexythiazox**
Lot Number: 2E172D
Certificate of: 08.01.01
Purity: 98.9 %
Storage at test facility: ≤-18 °C under dark conditions
Expiry date: 31.12.12

Test Items

Name:	Imazalil
Chemical name (IUPAC):	(RS)-1-(β-allyloxy-2,4-dichlorophenylethyl)imidazole or allyl (RS)-1-(2,4-dichlorophenyl)-2-imidazol-1-ylethyl ether
CAS-Registry-Number:	35554-44-0
Empirical formula:	C ₁₄ H ₁₄ Cl ₂ N ₂ O
Molecular mass:	297.2
Chemical Structure:	

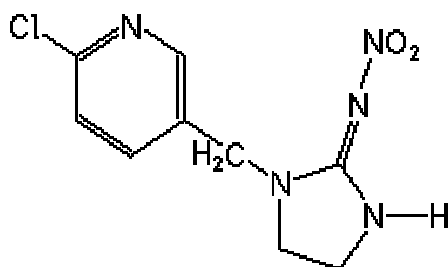
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	Imazalil
Lot Number:	90512
Certificate of:	07.06.99
Purity:	97.5 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.06.05

Test Items

Name:	Imidacloprid
Chemical name (IUPAC):	(EZ)-1-(6-chloro-3-pyridylmethyl)-N-nitroimidazolidin-2-ylideneamine
CAS-Registry-Number:	138261-41-3
Empirical formula:	C ₉ H ₁₀ ClN ₅ O ₂
Molecular mass:	255.7
Chemical Structure:	

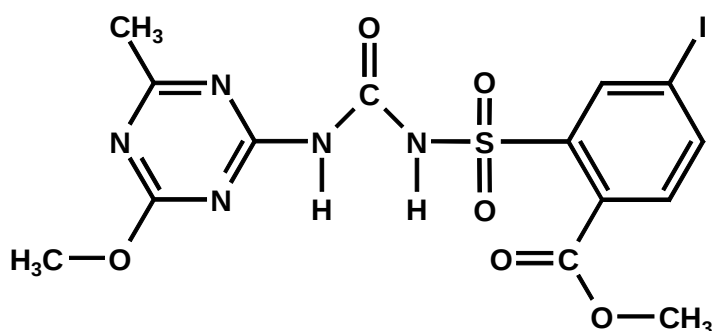
**Reference Items**

The certified reference items were supplied by Eurofins Analytik GmbH, Dr. Specht Laboratorien, D-21079 Hamburg.

Name:	Imidacloprid
Lot Number:	20226
Certificate of:	05.03.02
Purity:	99.0 %
Storage at test facility:	≤ -18 °C under dark conditions
Expiry date:	01.03.08

Test Items

Name:	Iodosulfuron-methyl
Chemical name (IUPAC):	methyl 4-iodo-2-[3-(4-methoxy-6-methyl-1,3,5-triazin-2-yl)ureidosulfonyl]benzoate
CAS-Registry-Number:	185119-76-0
Empirical formula:	C ₁₄ H ₁₄ IN ₅ O ₆ S
Molecular mass:	507.3
Chemical Structure:	

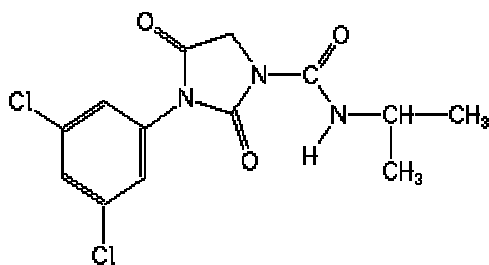
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	Iodosulfuron-methyl
Lot Number:	11109AL
Certificate of:	09.11.01
Purity:	
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.11.04

Test Items

Name:	Iprodione
Chemical name (IUPAC):	3-(3,5-dichlorophenyl)-N-isopropyl-2,4-dioxoimidazolidine-1-carboxamide
CAS-Registry-Number:	36734-19-7
Empirical formula:	C ₁₃ H ₁₃ Cl ₂ N ₃ O ₃
Molecular mass:	330.2
Chemical Structure:	

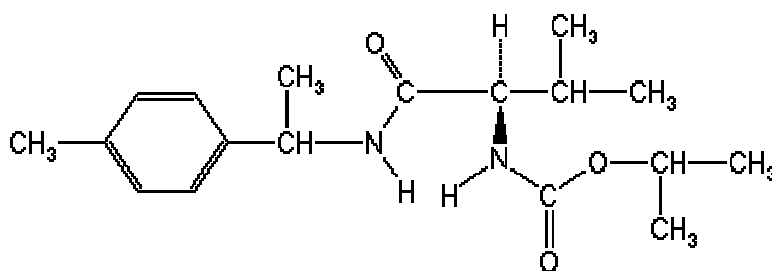
**Reference Items**

The certified reference items were supplied by Eurofins Analytik GmbH, Dr. Specht Laboratorien, D-21079 Hamburg.

Name:	Iprodione
Lot Number:	20128
Certificate of:	04.03.02
Purity:	99.5 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.03.08

Test Items

Name:	Iprovalicarb
Chemical name (IUPAC):	isopropyl 2-methyl-1-[(1-p-tolyloethyl)carbamoyl]-(S)-propylcarbamate
CAS-Registry-Number:	140923-17-7
Empirical formula:	C ₁₈ H ₂₈ N ₂ O ₃
Molecular mass:	320.4
Chemical Structure:	

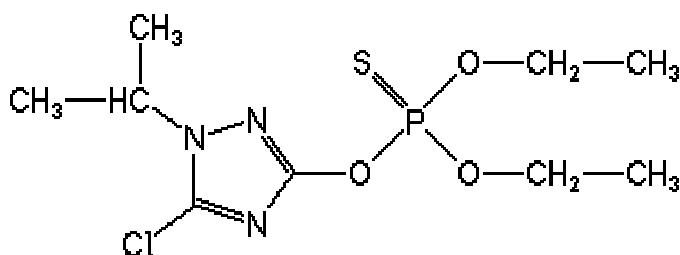
**Reference Items**

The certified reference items were supplied by Eurofins Analytik GmbH, Dr. Specht Laboratorien, D-21079 Hamburg.

Name:	Iprovalicarb
Lot Number:	40302
Certificate of:	11.03.04
Purity:	99.0 %
Storage at test facility:	≤ -18 °C under dark conditions
Expiry date:	01.03.08

Test Items

Name:	Isazofos
Chemical name (IUPAC):	O-5-chloro-1-isopropyl-1H-1,2,4-triazol-3-yl O,O-diethyl phosphorothioate
CAS-Registry-Number:	42509-80-8
Empirical formula:	C ₉ H ₁₇ ClN ₃ O ₃ PS
Molecular mass:	313.7
Chemical Structure:	

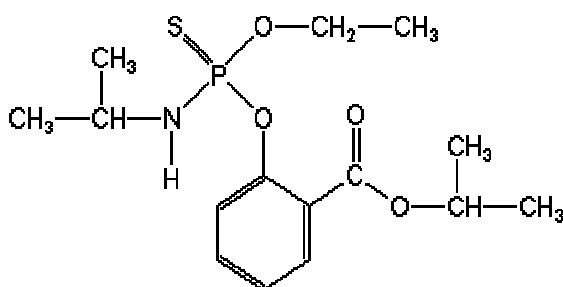
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	Isazofos
Lot Number:	20313
Certificate of:	21.05.92
Purity:	94.9 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.03.96

Test Items

Name:	Isofenphos
Chemical name (IUPAC):	(RS)-O-ethyl O-2-isopropoxycarbonylphenyl isopropylphosphoramidothioate or isopropyl (RS)-O-[ethoxy-N-isopropylamino(thiophosphoryl)]salicylate
CAS-Registry-Number:	25311-71-1
Empirical formula:	C ₁₅ H ₂₄ NO ₄ PS
Molecular mass:	345.4
Chemical Structure:	

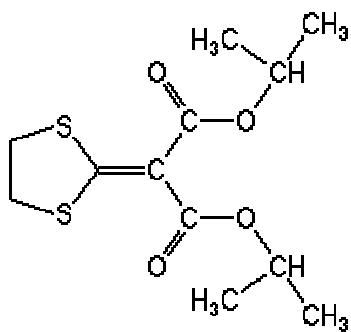
**Reference Items**

The certified reference items were supplied by Eurofins Analytik GmbH, Dr. Specht Laboratorien, D-21079 Hamburg.

Name:	Isofenphos
Lot Number:	31015
Certificate of:	27.10.03
Purity:	92.0 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.10.05

Test Items

Name:	Isoprothiolane
Chemical name (IUPAC):	di-isopropyl 1,3-dithiolan-2-ylidenemalonate
CAS-Registry-Number:	50512-35-1
Empirical formula:	C ₁₂ H ₁₈ O ₄ S ₂
Molecular mass:	290.4
Chemical Structure:	

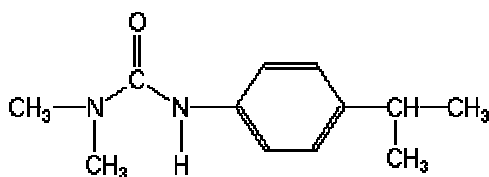
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	Isoprothiolane
Lot Number:	20315
Certificate of:	18.03.02
Purity:	99.5 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.03.06

Test Items

Name:	Isoproturon
Chemical name (IUPAC):	3-(4-isopropylphenyl)-1,1-dimethylurea or 3-p-cumenyl-1,1-dimethylurea
CAS-Registry-Number:	34123-59-6
Empirical formula:	C ₁₂ H ₁₈ N ₂ O
Molecular mass:	206.3
Chemical Structure:	

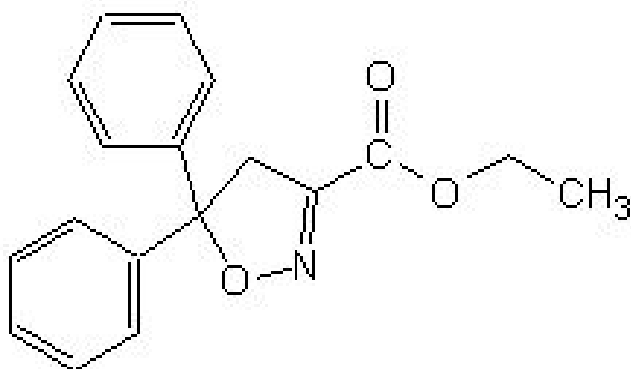
**Reference Items**

No certified reference items were used.

Name:	Isoproturon
Lot Number:	EA507P1
Certificate of:	
Purity:	99.5 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	

Test Items

Name:	Isoxadifen-ethyl
Chemical name (IUPAC):	ethyl 4,5-dihydro-5,5-diphenyl-1,2-oxazole-3-carboxylate
CAS-Registry-Number:	163520-33-0
Empirical formula:	C ₁₈ H ₁₇ NO ₃
Molecular mass:	295.3
Chemical Structure:	

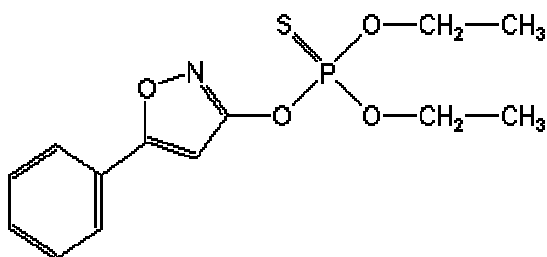
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	Isoxadifen-ethyl
Lot Number:	40325AL
Certificate of:	31.03.04
Purity:	
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.04.07

Test Items

Name:	Isoxathion
Chemical name (IUPAC):	O,O-diethyl O-5-phenyl-1,2-oxazol-3-yl phosphorothioate
CAS-Registry-Number:	18854-01-8
Empirical formula:	C ₁₃ H ₁₆ NO ₄ PS
Molecular mass:	313.3
Chemical Structure:	

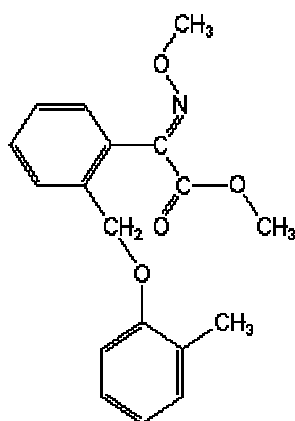
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	Isoxathion
Lot Number:	40301CY
Certificate of:	22.03.04
Purity:	
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.03.07

Test Items

Name:	Kresoxim-methyl
Chemical name (IUPAC):	methyl (E)-methoxyimino[a-(o-tolyloxy)-o-tolyl]acetate
CAS-Registry-Number:	143390-89-0
Empirical formula:	C ₁₈ H ₁₉ NO ₄
Molecular mass:	313.4
Chemical Structure:	

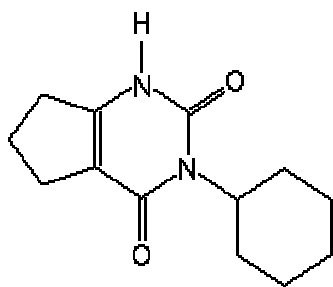
**Reference Items**

The certified reference items were supplied by Eurofins Analytik GmbH, Dr. Specht Laboratorien, D-21079 Hamburg.

Name:	Kresoxim-methyl
Lot Number:	40109
Certificate of:	16.01.04
Purity:	99.0 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.01.08

Test Items

Name:	Lenacil
Chemical name (IUPAC):	3-cyclohexyl-1,5,6,7-tetrahydrocyclopentapyrimidine-2,4(3H)-dione
CAS-Registry-Number:	2164-08-1
Empirical formula:	C ₁₃ H ₁₈ N ₂ O ₂
Molecular mass:	234.3
Chemical Structure:	

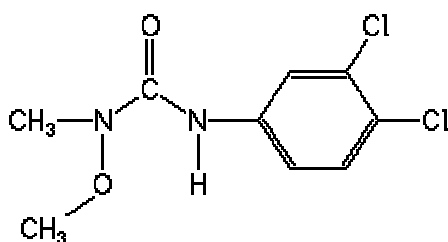
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	Lenacil
Lot Number:	11220
Certificate of:	21.01.02
Purity:	98.5 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.01.08

Test Items

Name:	Linuron
Chemical name (IUPAC):	3-(3,4-dichlorophenyl)-1-methoxy-1-methylurea
CAS-Registry-Number:	330-55-2
Empirical formula:	C ₉ H ₁₀ Cl ₂ N ₂ O ₂
Molecular mass:	249.1
Chemical Structure:	

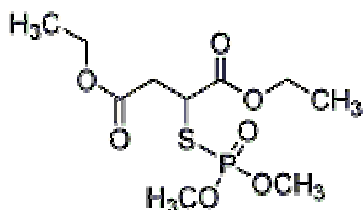
**Reference Items**

No certified reference items were used.

Name:	Linuron
Lot Number:	35735
Certificate of:	
Purity:	99.0 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	

Test Items

Name:	Malaoxon
Chemical name (IUPAC):	O,O-dimethyl-S-(1,2-dicarbetoxyethyl)-thiophosphate
CAS-Registry-Number:	1634-78-2
Empirical formula:	C ₁₀ H ₁₉ O ₇ PS
Molecular mass:	314.3
Chemical Structure:	

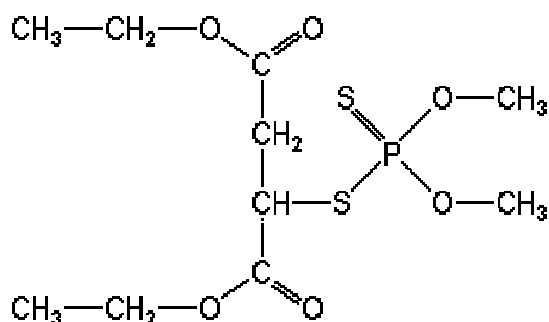
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	Malaoxon
Lot Number:	60227
Certificate of:	01.03.96
Purity:	91.0 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.02.00

Test Items

Name:	Malathion
Chemical name (IUPAC):	diethyl (dimethoxythiophosphorylthio)succinate or S-1,2-bis(ethoxycarbonyl)ethyl O,O-dimethyl phosphorodithioate
CAS-Registry-Number:	121-75-5
Empirical formula:	C ₁₀ H ₁₉ O ₆ PS ₂
Molecular mass:	330.4
Chemical Structure:	

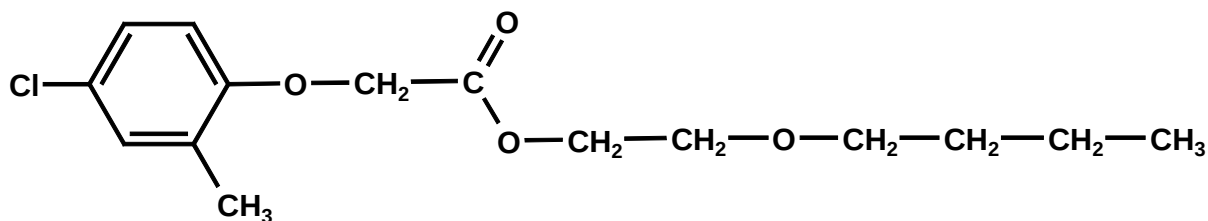
**Reference Items**

No certified reference items were used.

Name:	Malathion
Lot Number:	50516
Certificate of:	
Purity:	98.7 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.05.01

Test Items

Name:	MCPA-Butotyl
Chemical name (IUPAC):	2-butoxyethyl 4-chloro-o-tolyloxyacetate
CAS-Registry-Number:	19480-43-4
Empirical formula:	C ₁₅ H ₂₁ ClO ₄
Molecular mass:	300.8
Chemical Structure:	

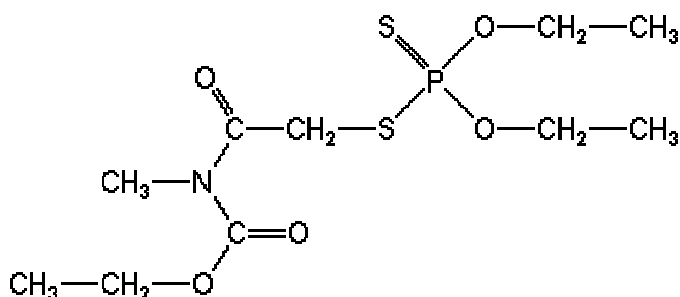
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	MCPA-Butotyl
Lot Number:	80810
Certificate of:	18.08.98
Purity:	94.5 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.08.04

Test Items

Name:	Mecarbam
Chemical name (IUPAC):	S-(N-ethoxycarbonyl-N-methylcarbamoylmethyl) O,O-diethyl phosphorodithioate or ethyl N-(diethoxythiophosphorylthio)acetyl-N-methylcarbamate or ethyl (diethoxyphosphinothioylthio)acetyl(methyl)carbamate
CAS-Registry-Number:	2595-54-2
Empirical formula:	C ₁₀ H ₂₀ NO ₅ PS ₂
Molecular mass:	329.4
Chemical Structure:	

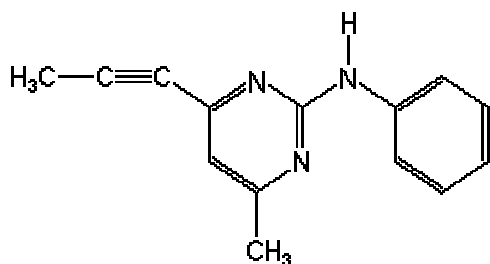
**Reference Items**

No certified reference items were used.

Name:	Mecarbam
Lot Number:	50911
Certificate of:	
Purity:	
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.09.98

Test Items

Name:	Mepanipyrim
Chemical name (IUPAC):	N-(4-methyl-6-prop-1-ynylpyrimidin-2-yl)aniline
CAS-Registry-Number:	110235-47-7
Empirical formula:	C ₁₄ H ₁₃ N ₃
Molecular mass:	223.3
Chemical Structure:	

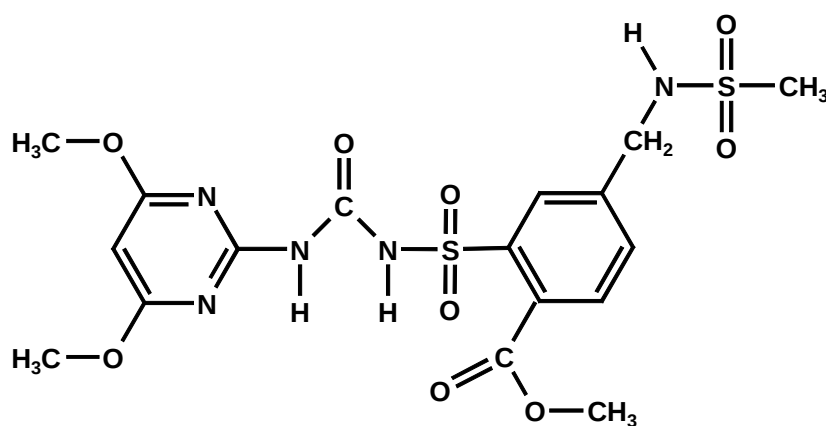
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	Mepanipyrim
Lot Number:	30523
Certificate of:	26.05.03
Purity:	99.5 %
Storage at test facility:	≤ -18 °C under dark conditions
Expiry date:	01.05.07

Test Items

Name:	Mesosulfuron-methyl
Chemical name (IUPAC):	methyl 2-[(4,6-dimethoxypyrimidin-2-ylcarbamoyl)sulfamoyl]-a-(methanesulfonamido)-p-toluate
CAS-Registry-Number:	208465-21-8
Empirical formula:	C ₁₇ H ₂₁ N ₅ O ₉ S ₂
Molecular mass:	503.5
Chemical Structure:	

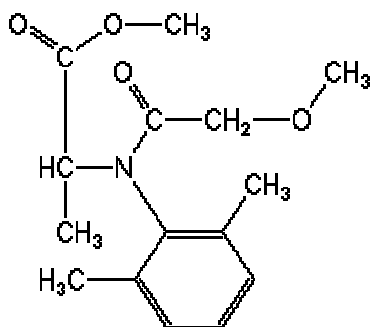
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	Mesosulfuron-methyl
Lot Number:	21120
Certificate of:	10.12.02
Purity:	98.0 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.12.06

Test Items

Name:	Metalaxyl
Chemical name (IUPAC):	methyl N-(methoxyacetyl)-N-(2,6-xylyl)-DL-alaninate
CAS-Registry-Number:	57837-19-1
Empirical formula:	C ₁₅ H ₂₁ NO ₄
Molecular mass:	279.3
Chemical Structure:	

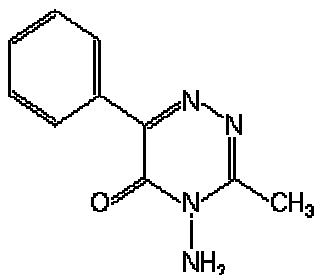
**Reference Items**

The certified reference items were supplied by Eurofins Analytik GmbH, Dr. Specht Laboratorien, D-21079 Hamburg.

Name:	Metalaxyl
Lot Number:	70717
Certificate of:	19.08.97
Purity:	99.3 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.08.03

Test Items

Name:	Metamitron
Chemical name (IUPAC):	4-amino-4,5-dihydro-3-methyl-6-phenyl-1,2,4-triazin-5-one or 4-amino-3-methyl-6-phenyl-1,2,4-triazin-5(4H)-one
CAS-Registry-Number:	41394-05-2
Empirical formula:	C ₁₀ H ₁₀ N ₄ O
Molecular mass:	202.2
Chemical Structure:	

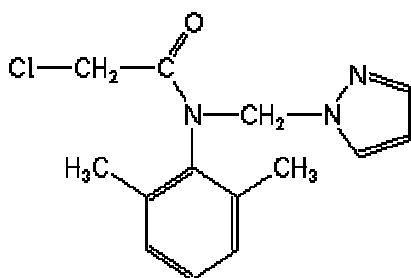
**Reference Items**

The certified reference items were supplied by Eurofins Analytik GmbH, Dr. Specht Laboratorien, D-21079 Hamburg.

Name:	Metamitron
Lot Number:	30821
Certificate of:	05.09.03
Purity:	99.4 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.09.09

Test Items

Name:	Metazachlor
Chemical name (IUPAC):	2-chloro-N-(pyrazol-1-ylmethyl)acet-2',6'-xylidide
CAS-Registry-Number:	67129-08-2
Empirical formula:	C ₁₄ H ₁₆ ClN ₃ O
Molecular mass:	277.8
Chemical Structure:	

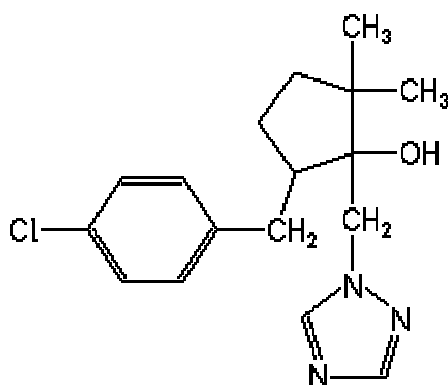
**Reference Items**

The certified reference items were supplied by Eurofins Analytik GmbH, Dr. Specht Laboratorien, D-21079 Hamburg.

Name:	Metazachlor
Lot Number:	01311-254
Certificate of:	28.06.99
Purity:	99.8 %
Storage at test facility:	≤ -18 °C under dark conditions
Expiry date:	31.01.07

Test Items

Name: **Metconazole**
Chemical name (IUPAC): (1RS,5RS;1RS,5SR)-5-(4-chlorobenzyl)-2,2-dimethyl-1-(1H-1,2,4-triazol-1-ylmethyl)cyclopentanol
CAS-Registry-Number: 125116-23-6
Empirical formula: C₁₇H₂₂ClN₃O
Molecular mass: 319.8
Chemical Structure:

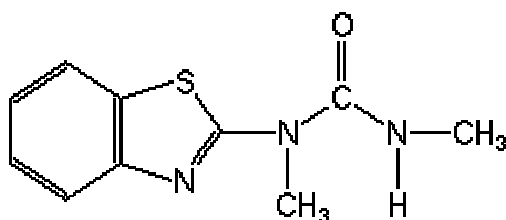
**Reference Items**

No certified reference items were used.

Name: **Metconazole**
Lot Number:
Certificate of:
Purity: 97.4 %
Storage at test facility: ≤-18 °C under dark conditions
Expiry date:

Test Items

Name:	Methabenzthiazuron
Chemical name (IUPAC):	1-(1,3-benzothiazol-2-yl)-1,3-dimethylurea or 1-benzothiazol-2-yl-1,3-dimethylurea
CAS-Registry-Number:	18691-97-9
Empirical formula:	C ₁₀ H ₁₁ N ₃ OS
Molecular mass:	221.3
Chemical Structure:	

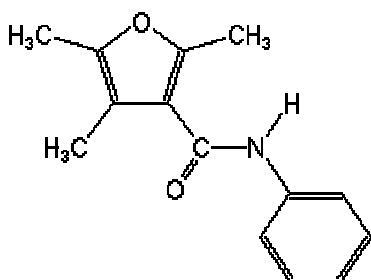
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	Methabenzthiazuron
Lot Number:	40603
Certificate of:	08.06.04
Purity:	97.0 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.06.08

Test Items

Name:	Methfuroxam
Chemical name (IUPAC):	2,4,5-trimethyl-3-furanilide
CAS-Registry-Number:	28730-17-8
Empirical formula:	C ₁₄ H ₁₅ NO ₂
Molecular mass:	229.3
Chemical Structure:	

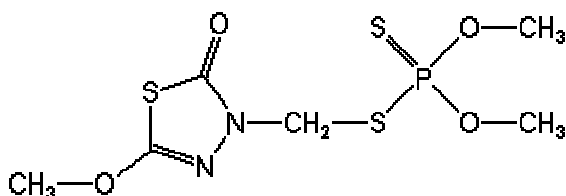
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	Methfuroxam
Lot Number:	40727
Certificate of:	29.07.04
Purity:	99.0 %
Storage at test facility:	≤ -18 °C under dark conditions
Expiry date:	01.07.08

Test Items

Name:	Methidathion
Chemical name (IUPAC):	S-2,3-dihydro-5-methoxy-2-oxo-1,3,4-thiadiazol-3-ylmethyl O,O-dimethyl phosphorodithioate or 3-dimethoxyphosphinothiylthiomethyl-5-methoxy-1,3,4-thiadiazol-2(3H)-one
CAS-Registry-Number:	950-37-8
Empirical formula:	C ₆ H ₁₁ N ₂ O ₄ PS ₃
Molecular mass:	302.3
Chemical Structure:	

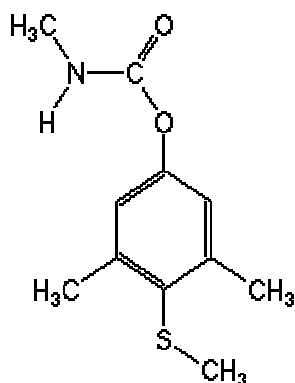
**Reference Items**

No certified reference items were used.

Name:	Methidathion
Lot Number:	50522
Certificate of:	
Purity:	97.7 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.06.99

Test Items

Name:	Methiocarb
Chemical name (IUPAC):	4-methylthio-3,5-xylyl methylcarbamate
CAS-Registry-Number:	2032-65-7
Empirical formula:	C ₁₁ H ₁₅ NO ₂ S
Molecular mass:	225.3
Chemical Structure:	

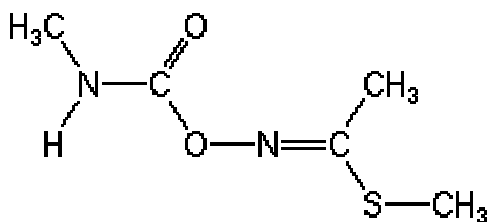
**Reference Items**

The certified reference items were supplied by Eurofins Analytik GmbH, Dr. Specht Laboratorien, D-21079 Hamburg.

Name:	Methiocarb
Lot Number:	850905ELB51
Certificate of:	18.08.95
Purity:	99.5 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	31.08.05

Test Items

Name:	Methomyl
Chemical name (IUPAC):	S-methyl (EZ)-N-(methylcarbamoyloxy)thioacetimidate
CAS-Registry-Number:	16752-77-5
Empirical formula:	C ₅ H ₁₀ N ₂ O ₂ S
Molecular mass:	162.2
Chemical Structure:	

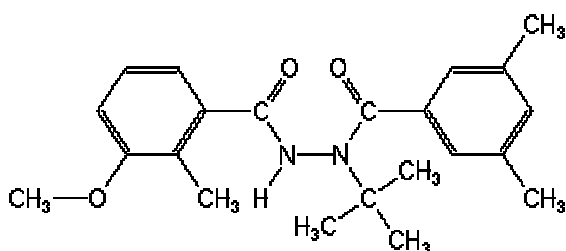
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	Methomyl
Lot Number:	10316
Certificate of:	10.07.02
Purity:	99.0 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.07.06

Test Items

Name:	Methoxyfenozone
Chemical name (IUPAC):	N-tert-butyl-N'-(3-methoxy-o-toluoyl)-3,5-xylohydrazide
CAS-Registry-Number:	161050-58-4
Empirical formula:	C ₂₂ H ₂₈ N ₂ O ₃
Molecular mass:	368.5
Chemical Structure:	

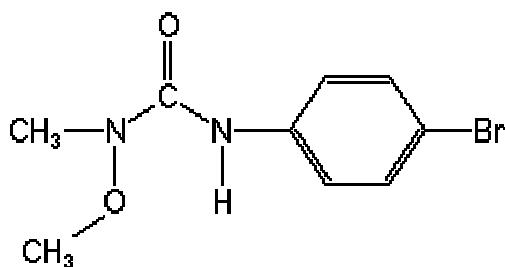
**Reference Items**

The certified reference items were supplied by Eurofins Analytik GmbH, Dr. Specht Laboratorien, D-21079 Hamburg.

Name:	Methoxyfenozone
Lot Number:	21218
Certificate of:	17.01.03
Purity:	98.5 %
Storage at test facility:	≤ -18 °C under dark conditions
Expiry date:	01.01.07

Test Items

Name:	Metobromuron
Chemical name (IUPAC):	3-(4-bromophenyl)-1-methoxy-1-methylurea
CAS-Registry-Number:	3060-89-7
Empirical formula:	C ₉ H ₁₁ BrN ₂ O ₂
Molecular mass:	259.1
Chemical Structure:	

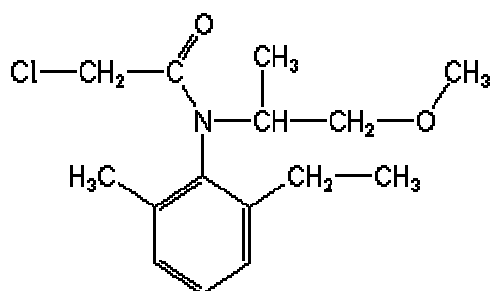
**Reference Items**

No certified reference items were used.

Name:	Metobromuron
Lot Number:	
Certificate of:	
Purity:	99.5 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	

Test Items

Name: **Metolachlor**
Chemical name (IUPAC): (aRS,1RS)-2-chloro-6'-ethyl-N-(2-methoxy-1-methylethyl)acet-o-toluidide
CAS-Registry-Number: 51218-45-2
Empirical formula: C₁₅H₂₂ClNO₂
Molecular mass: 283.8
Chemical Structure:

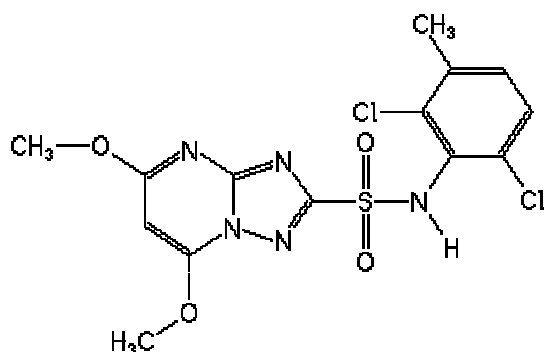
**Reference Items**

No certified reference items were used.

Name: **Metolachlor**
Lot Number: BATCH 124/107
Certificate of:
Purity: 99.7 %
Storage at test facility: ≤-18 °C under dark conditions
Expiry date: 01.08.89

Test Items

Name:	Metosulam
Chemical name (IUPAC):	2',6'-dichloro-5,7-dimethoxy-3'-methyl[1,2,4]triazolo[1,5-a]pyrimidine-2-sulfonanilide
CAS-Registry-Number:	139528-85-1
Empirical formula:	C ₁₄ H ₁₃ Cl ₂ N ₅ O ₄ S
Molecular mass:	418.3
Chemical Structure:	

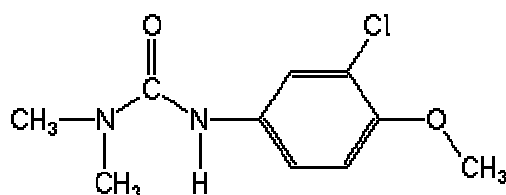
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	Metosulam
Lot Number:	40908
Certificate of:	17.09.04
Purity:	99.5 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.09.08

Test Items

Name:	Metoxuron
Chemical name (IUPAC):	3-(3-chloro-4-methoxyphenyl)-1,1-dimethylurea
CAS-Registry-Number:	19937-59-8
Empirical formula:	C ₁₀ H ₁₃ ClN ₂ O ₂
Molecular mass:	228.7
Chemical Structure:	

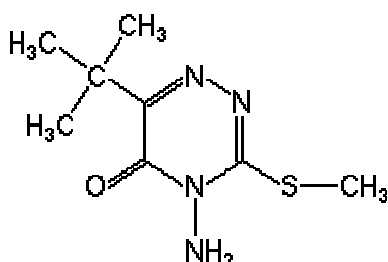
**Reference Items**

No certified reference items were used.

Name:	Metoxuron
Lot Number:	35789
Certificate of:	
Purity:	99.0 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	

Test Items

Name:	Metribuzin
Chemical name (IUPAC):	4-amino-6-tert-butyl-4,5-dihydro-3-methylthio-1,2,4-triazin-5-one or 4-amino-6-tert-butyl-3-methylthio-1,2,4-triazin-5(4H)-one
CAS-Registry-Number:	21087-64-9
Empirical formula:	C ₈ H ₁₄ N ₄ OS
Molecular mass:	214.3
Chemical Structure:	

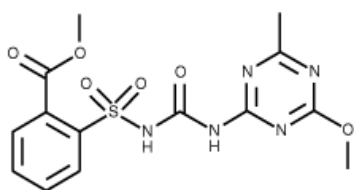
**Reference Items**

No certified reference items were used.

Name:	Metribuzin
Lot Number:	
Certificate of:	
Purity:	99.0 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	

Test Items

Name:	Metsulfuron-methyl
Chemical name (IUPAC):	methyl 2-(4-methoxy-6-methyl-1,3,5-triazin-2-ylcarbamoylsulfamoyl)benzoate
CAS-Registry-Number:	74223-64-6
Empirical formula:	C ₁₄ H ₁₅ N ₅ O ₆ S
Molecular mass:	381.4
Chemical Structure:	

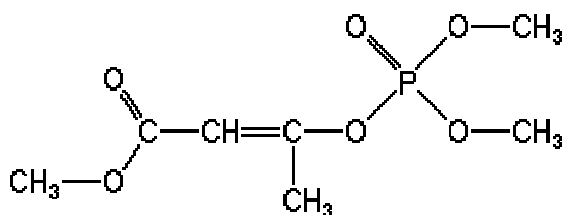
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	Metsulfuron-methyl
Lot Number:	90510
Certificate of:	24.06.99
Purity:	99.5 %
Storage at test facility:	≤ -18 °C under dark conditions
Expiry date:	01.06.05

Test Items

Name:	Mevinphos
Chemical name (IUPAC):	(EZ)-2-methoxycarbonyl-1-methylvinyl dimethyl phosphate or methyl (EZ)-3-(dimethoxyphosphinoyloxy)but-2-enoate
CAS-Registry-Number:	7786-34-7
Empirical formula:	C ₇ H ₁₃ O ₆ P
Molecular mass:	224.2
Chemical Structure:	

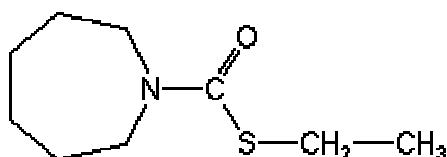
**Reference Items**

No certified reference items were used.

Name:	Mevinphos
Lot Number:	35894
Certificate of:	
Purity:	99.0 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	

Test Items

Name:	Molinate
Chemical name (IUPAC):	S-ethyl azepane-1-carbothioate or S-ethyl perhydroazepin-1-carbothioate or S-ethyl perhydroazepine-1-thiocarboxylate
CAS-Registry-Number:	2212-67-1
Empirical formula:	C ₉ H ₁₇ NOS
Molecular mass:	187.3
Chemical Structure:	

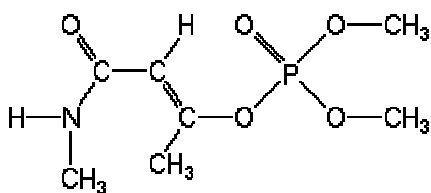
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	Molinate
Lot Number:	40210
Certificate of:	19.02.04
Purity:	98.5 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.02.10

Test Items

Name:	Monocrotophos
Chemical name (IUPAC):	dimethyl (E)-1-methyl-2-(methylcarbamoyl)vinyl phosphate or 3-dimethoxyphosphinoyloxy-N-methylisocrotonamide
CAS-Registry-Number:	2157-98-4
Empirical formula:	C ₇ H ₁₄ NO ₅ P
Molecular mass:	223.2
Chemical Structure:	

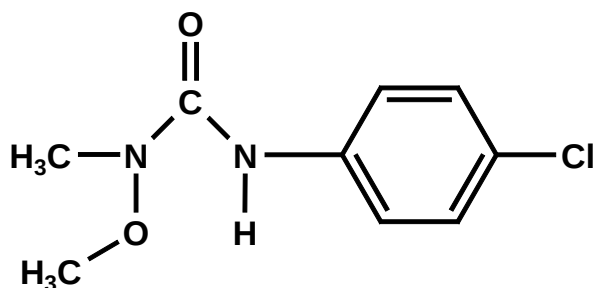
**Reference Items**

No certified reference items were used.

Name:	Monocrotophos
Lot Number:	60440
Certificate of:	
Purity:	99.0 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	

Test Items

Name:	Monolinuron
Chemical name (IUPAC):	3-(4-chlorophenyl)-1-methoxy-1-methylurea
CAS-Registry-Number:	1746-81-2
Empirical formula:	C ₉ H ₁₁ ClN ₂ O ₂
Molecular mass:	214.7
Chemical Structure:	

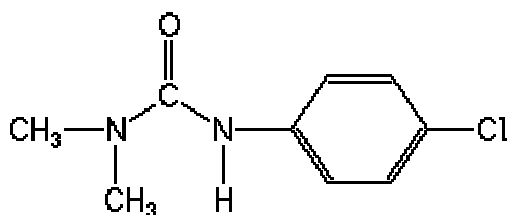
**Reference Items**

The certified reference items were supplied by Eurofins Analytik GmbH, Dr. Specht Laboratorien, D-21079 Hamburg.

Name:	Monolinuron
Lot Number:	Ma 1/88
Certificate of:	12.02.92
Purity:	99.7 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	07.02.94

Test Items

Name:	Monuron
Chemical name (IUPAC):	3-(4-chlorophenyl)-1,1-dimethylurea
CAS-Registry-Number:	150-68-5
Empirical formula:	C ₉ H ₁₁ ClN ₂ O
Molecular mass:	198.7
Chemical Structure:	

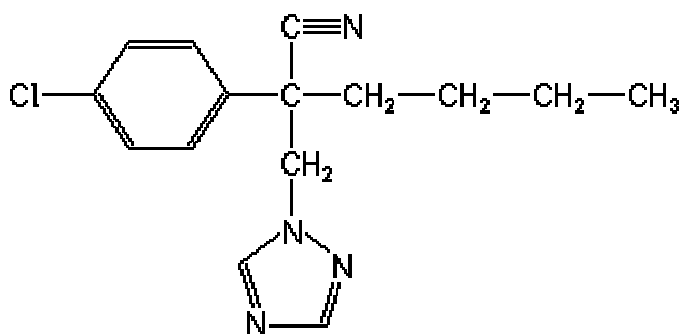
**Reference Items**

No certified reference items were used.

Name:	Monuron
Lot Number:	
Certificate of:	
Purity:	99.0 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	

Test Items

Name: **Myclobutanil**
Chemical name (IUPAC): (RS)-2-(4-chlorophenyl)-2-(1H-1,2,4-triazol-1-ylmethyl)hexanenitrile
CAS-Registry-Number: 88671-89-0
Empirical formula: C₁₅H₁₇ClN₄
Molecular mass: 288.8
Chemical Structure:

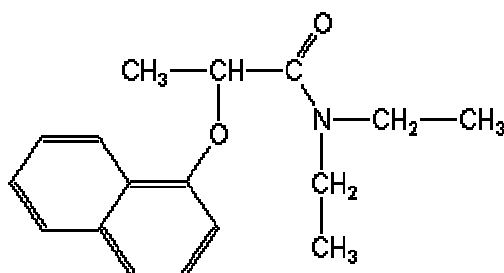
**Reference Items**

The certified reference items were supplied by Eurofins Analytik GmbH, Dr. Specht Laboratorien, D-21079 Hamburg.

Name: **Myclobutanil**
Lot Number: 01219
Certificate of: 28.02.01
Purity: 98.5 %
Storage at test facility: ≤-18 °C under dark conditions
Expiry date: 01.02.07

Test Items

Name:	Napropamide
Chemical name (IUPAC):	(RS)-N,N-diethyl-2-(1-naphthyloxy)propionamide
CAS-Registry-Number:	15299-99-7
Empirical formula:	C ₁₇ H ₂₁ NO ₂
Molecular mass:	271.4
Chemical Structure:	

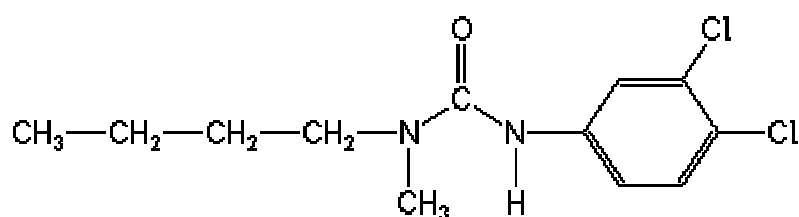
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	Napropamide
Lot Number:	10305
Certificate of:	09.03.01
Purity:	98.5 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.03.05

Test Items

Name:	Neburon
Chemical name (IUPAC):	1-butyl-3-(3,4-dichlorophenyl)-1-methylurea
CAS-Registry-Number:	555-37-3
Empirical formula:	C ₁₂ H ₁₆ Cl ₂ N ₂ O
Molecular mass:	275.2
Chemical Structure:	

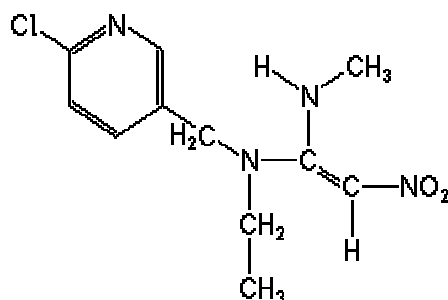
**Reference Items**

No certified reference items were used.

Name:	Neburon
Lot Number:	35785
Certificate of:	
Purity:	99.0 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	

Test Items

Name:	Nitenpyram
Chemical name (IUPAC):	(E)-N-(6-chloro-3-pyridylmethyl)-N-ethyl-N'-methyl-2-nitrovinylidenediamine
CAS-Registry-Number:	120738-89-8
Empirical formula:	C ₁₁ H ₁₅ ClN ₄ O ₂
Molecular mass:	270.7
Chemical Structure:	

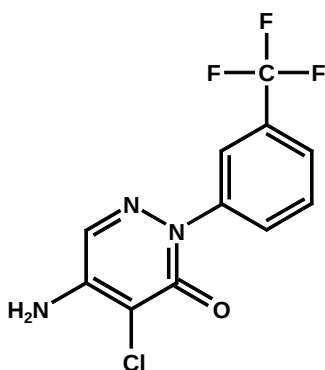
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	Nitenpyram
Lot Number:	3077X
Certificate of:	22.04.03
Purity:	99.9 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.04.09

Test Items

Name:	Norfluazuron-desmethyl
Chemical name (IUPAC):	4-chloro-5-amino-2-(a,a,a-trifluoro-m-tolyl)pyridazin-3(2H)-one
CAS-Registry-Number:	23576-24-1
Empirical formula:	C ₁₁ H ₇ ClF ₃ N ₃ O
Molecular mass:	289.7
Chemical Structure:	

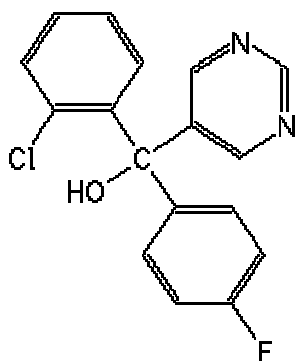
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	Norfluazuron-desmethyl
Lot Number:	40401EA
Certificate of:	06.04.04
Purity:	
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.04.07

Test Items

Name:	Nuarimol
Chemical name (IUPAC):	(RS)-2-chloro-4'-fluoro-a-(pyrimidin-5-yl)benzhydryl alcohol
CAS-Registry-Number:	63284-71-9
Empirical formula:	C ₁₇ H ₁₂ ClFN ₂ O
Molecular mass:	314.8
Chemical Structure:	

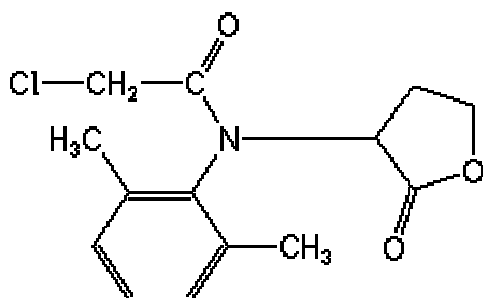
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	Nuarimol
Lot Number:	80202
Certificate of:	20.03.98
Purity:	96.5 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.03.02

Test Items

Name:	Ofurace
Chemical name (IUPAC):	(RS)-a-(2-chloro-N-2,6-xylylacetamido)-γ-butyrolactone
CAS-Registry-Number:	58810-48-3
Empirical formula:	C ₁₄ H ₁₆ ClNO ₃
Molecular mass:	281.7
Chemical Structure:	

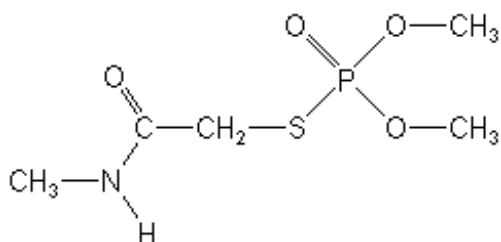
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	Ofurace
Lot Number:	21018
Certificate of:	07.02.03
Purity:	99.5 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.01.07

Test Items

Name:	Omethoat
Chemical name (IUPAC):	O,O-dimethyl S-methylcarbamoylmethyl phosphorothioate
CAS-Registry-Number:	1113-02-6
Empirical formula:	C ₅ H ₁₂ NO ₄ PS
Molecular mass:	213.2
Chemical Structure:	

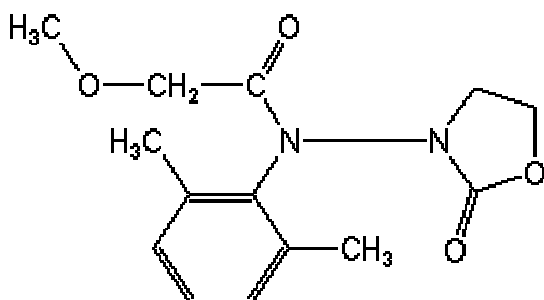
**Reference Items**

The certified reference items were supplied by Eurofins Analytik GmbH, Dr. Specht Laboratorien, D-21079 Hamburg.

Name:	Omethoat
Lot Number:	40427
Certificate of:	26.05.04
Purity:	97.0 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.05.08

Test Items

Name:	Oxadixyl
Chemical name (IUPAC):	2-methoxy-N-(2-oxo-1,3-oxazolidin-3-yl)acet-2',6'-xylidide
CAS-Registry-Number:	77732-09-3
Empirical formula:	C ₁₄ H ₁₈ N ₂ O ₄
Molecular mass:	278.3
Chemical Structure:	

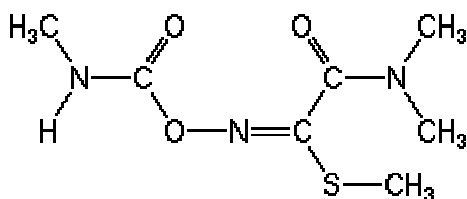
**Reference Items**

The certified reference items were supplied by Eurofins Analytik GmbH, Dr. Specht Laboratorien, D-21079 Hamburg.

Name:	Oxadixyl
Lot Number:	20508
Certificate of:	11.06.02
Purity:	99.5 %
Storage at test facility:	≤ -18 °C under dark conditions
Expiry date:	01.06.08

Test Items

Name:	Oxamyl
Chemical name (IUPAC):	(EZ)-N,N-dimethyl-2-methylcarbamoyloxyimino-2-(methylthio)acetamide
CAS-Registry-Number:	23135-22-0
Empirical formula:	C ₇ H ₁₃ N ₃ O ₃ S
Molecular mass:	219.3
Chemical Structure:	

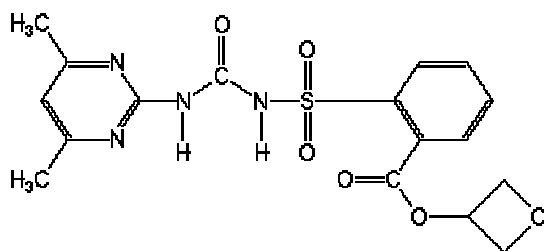
**Reference Items**

The certified reference items were supplied by Eurofins Analytik GmbH, Dr. Specht Laboratorien, D-21079 Hamburg.

Name:	Oxamyl
Lot Number:	30220
Certificate of:	25.04.03
Purity:	99.5 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	25.04.07

Test Items

Name: **Oxasulfuron**
Chemical name (IUPAC): oxetan-3-yl 2-[(4,6-dimethylpyrimidin-2-yl)carbamoylsulfamoyl]benzoate
CAS-Registry-Number: 144651-06-9
Empirical formula: C₁₇H₁₈N₄O₆S
Molecular mass: 406.4
Chemical Structure:

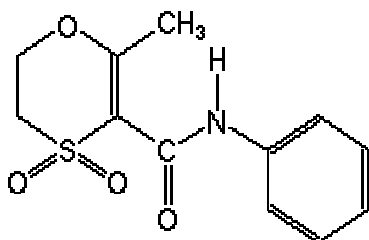
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name: **Oxasulfuron**
Lot Number: 20805
Certificate of: 23.08.02
Purity: 97.0 %
Storage at test facility: ≤-18 °C under dark conditions
Expiry date: 01.08.06

Test Items

Name:	Oxycarboxin
Chemical name (IUPAC):	2,3-dihydro-6-methyl-5-phenylcarbamoyl-1,4-oxathi-ine 4,4-dioxide or 5,6-dihydro-2-methyl-1,4-oxathiine-3-carboxanilide 4,4-dioxide
CAS-Registry-Number:	5259-88-1
Empirical formula:	C ₁₂ H ₁₃ NO ₄ S
Molecular mass:	267.3
Chemical Structure:	

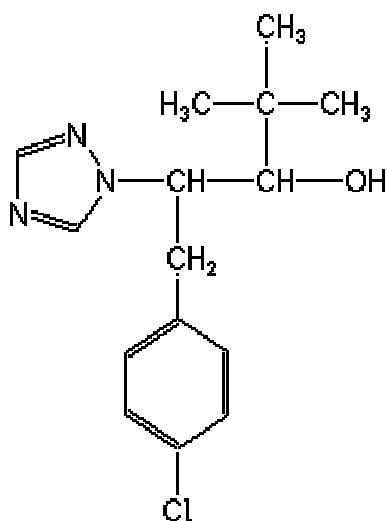
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	Oxycarboxin
Lot Number:	30618
Certificate of:	24.06.03
Purity:	99.0 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.06.09

Test Items

Name:	Paclobutrazol
Chemical name (IUPAC):	(2RS,3RS)-1-(4-chlorophenyl)-4,4-dimethyl-2-(1H-1,2,4-triazol-1-yl)pentan-3-ol
CAS-Registry-Number:	76738-62-0
Empirical formula:	C ₁₅ H ₂₀ ClN ₃ O
Molecular mass:	293.8
Chemical Structure:	

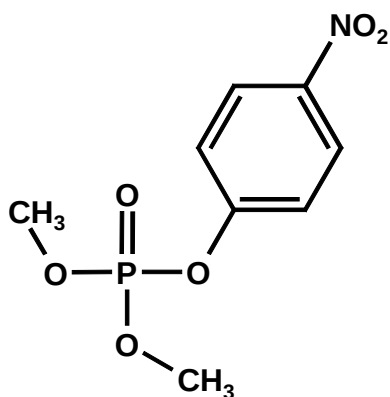
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	Paclobutrazol
Lot Number:	20531
Certificate of:	11.06.02
Purity:	99.5 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.06.06

Test Items

Name:	Paraoxon-methyl
Chemical name (IUPAC):	O,O-dimethyl-O-(4-nitrophenyl)-phosphat
CAS-Registry-Number:	950-35-6
Empirical formula:	C ₈ H ₁₀ NO ₆ P
Molecular mass:	247.1
Chemical Structure:	

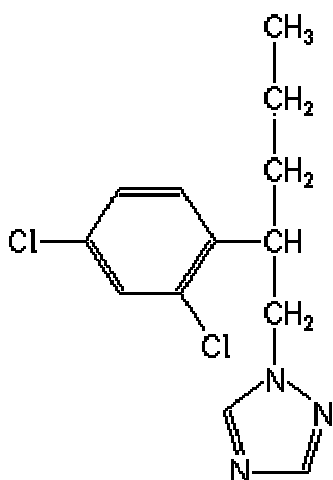
**Reference Items**

The certified reference items were supplied by Eurofins Analytik GmbH, Dr. Specht Laboratorien, D-21079 Hamburg.

Name:	Paraoxon-methyl
Lot Number:	20206
Certificate of:	13.02.02
Purity:	98.0 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.02.06

Test Items

Name:	Penconazole
Chemical name (IUPAC):	(RS)-1-[2-(2,4-dichlorophenyl)pentyl]-1H-1,2,4-triazole
CAS-Registry-Number:	66246-88-6
Empirical formula:	C ₁₃ H ₁₅ Cl ₂ N ₃
Molecular mass:	284.2
Chemical Structure:	

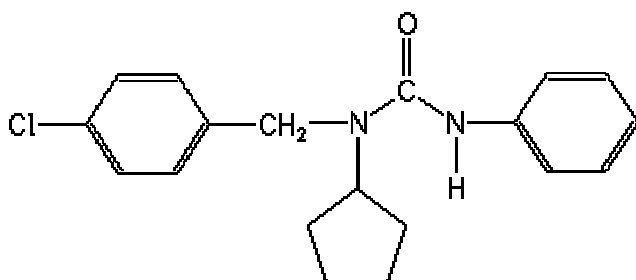
**Reference Items**

The certified reference items were supplied by Eurofins Analytik GmbH, Dr. Specht Laboratorien, D-21079 Hamburg.

Name:	Penconazole
Lot Number:	AMS 204/3
Certificate of:	25.10.05
Purity:	99.3 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	

Test Items

Name:	Pencycuron
Chemical name (IUPAC):	1-(4-chlorobenzyl)-1-cyclopentyl-3-phenylurea
CAS-Registry-Number:	66063-05-6
Empirical formula:	C ₁₉ H ₂₁ ClN ₂ O
Molecular mass:	328.8
Chemical Structure:	

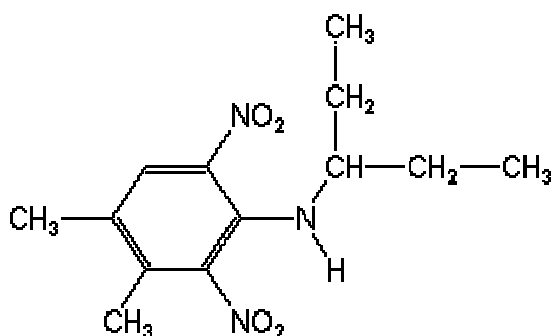
**Reference Items**

The certified reference items were supplied by Eurofins Analytik GmbH, Dr. Specht Laboratorien, D-21079 Hamburg.

Name:	Pencycuron
Lot Number:	40505
Certificate of:	13.05.04
Purity:	99.5 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.05.10

Test Items

Name:	Pendimethalin
Chemical name (IUPAC):	N-(1-ethylpropyl)-2,6-dinitro-3,4-xylidine
CAS-Registry-Number:	40487-42-1
Empirical formula:	C ₁₃ H ₁₉ N ₃ O ₄
Molecular mass:	281.3
Chemical Structure:	

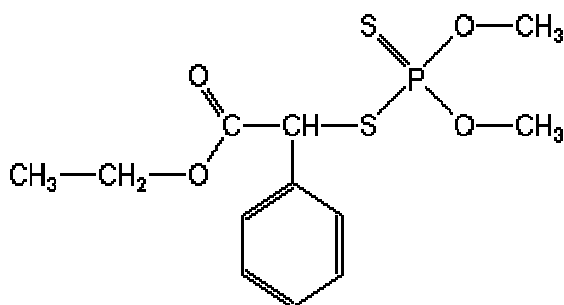
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	Pendimethalin
Lot Number:	60326
Certificate of:	16.12.96
Purity:	98.7 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.04.00

Test Items

Name:	Phenthoate
Chemical name (IUPAC):	S-a-ethoxycarbonylbenzyl O,O-dimethyl phosphorodithioate or ethyl dimethoxyphosphinothioylthio(phenyl)acetate
CAS-Registry-Number:	2597-03-7
Empirical formula:	C ₁₂ H ₁₇ O ₄ PS ₂
Molecular mass:	320.4
Chemical Structure:	

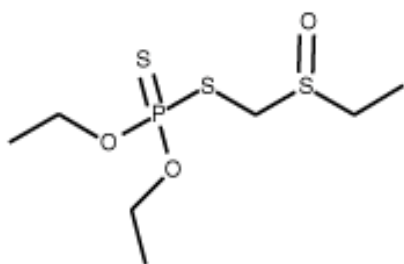
**Reference Items**

No certified reference items were used.

Name:	Phenthoate
Lot Number:	
Certificate of:	
Purity:	92.0 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	

Test Items

Name:	Phorat-sulfoxid
Chemical name (IUPAC):	O,O-diethyl S-ethylsulfinylmethyl phosphorodithioate
CAS-Registry-Number:	2588-03-6
Empirical formula:	C ₇ H ₁₇ O ₃ PS ₃
Molecular mass:	276.4
Chemical Structure:	

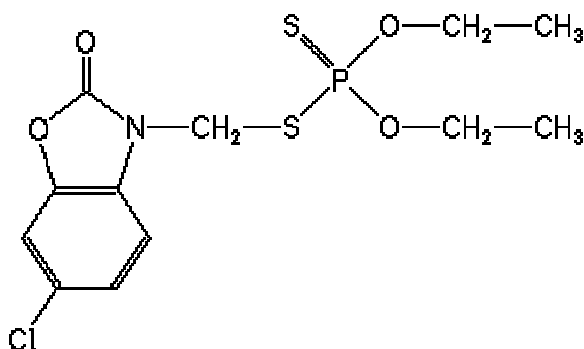
**Reference Items**

The certified reference items were supplied by Eurofins Analytik GmbH, Dr. Specht Laboratorien, D-21079 Hamburg.

Name:	Phorat-sulfoxid
Lot Number:	50207
Certificate of:	11.02.05
Purity:	98.0 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.02.09

Test Items

Name:	Phosalone
Chemical name (IUPAC):	S-6-chloro-2,3-dihydro-2-oxobenzoxazol-3-ylmethyl O,O-diethyl phosphorodithioate
CAS-Registry-Number:	2310-17-0
Empirical formula:	C ₁₂ H ₁₅ ClNO ₄ PS ₂
Molecular mass:	367.8
Chemical Structure:	

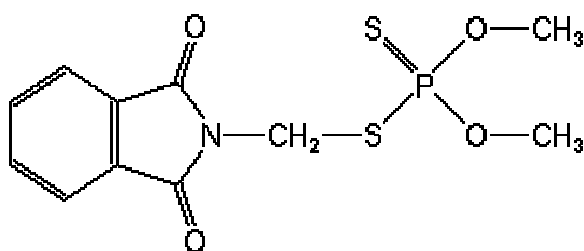
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	Phosalone
Lot Number:	31007
Certificate of:	24.02.94
Purity:	99.4 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.11.97

Test Items

Name:	Phosmet
Chemical name (IUPAC):	O,O-dimethyl S-phthalimidomethyl phosphorodithioate or N-(dimethoxyphosphinothioylthiomethyl)phthalimide
CAS-Registry-Number:	732-11-6
Empirical formula:	C ₁₁ H ₁₂ NO ₄ PS ₂
Molecular mass:	317.3
Chemical Structure:	

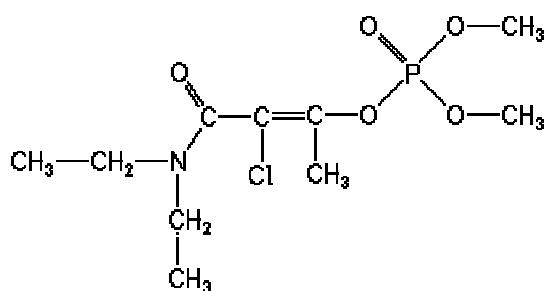
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	Phosmet
Lot Number:	51214
Certificate of:	26.01.96
Purity:	99.6 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.01.00

Test Items

Name:	Phosphamidon
Chemical name (IUPAC):	(EZ)-2-chloro-2-diethylcarbamoyl-1-methylvinyl dimethyl phosphate or (EZ)-2-chloro-3-dimethoxyphosphinoyloxy-N,N-diethylbut-2-enamide
CAS-Registry-Number:	13171-21-6
Empirical formula:	C ₁₀ H ₁₉ ClNO ₅ P
Molecular mass:	299.7
Chemical Structure:	

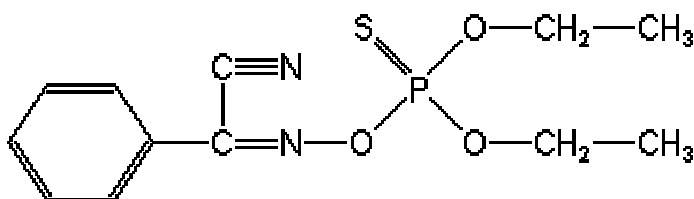
**Reference Items**

No certified reference items were used.

Name:	Phosphamidon
Lot Number:	Ref.P 1
Certificate of:	
Purity:	98.0 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	

Test Items

Name:	Phoxim
Chemical name (IUPAC):	O,O-diethyl a-cyanobenzylideneamino-oxyphosphonothioate or 2-(diethoxyphosphinothioyloxyimino)-2-phenylacetonitrile
CAS-Registry-Number:	14816-18-3
Empirical formula:	C ₁₂ H ₁₅ N ₂ O ₃ PS
Molecular mass:	298.3
Chemical Structure:	

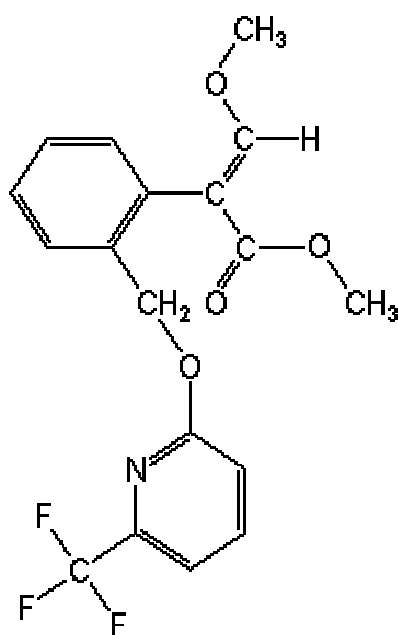
**Reference Items**

No certified reference items were used.

Name:	Phoxim
Lot Number:	
Certificate of:	
Purity:	94.5 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	

Test Items

Name:	Picoxystrobin
Chemical name (IUPAC):	methyl (E)-3-methoxy-2-{2-[6-(trifluoromethyl)-2-pyridyloxymethyl]phenyl}acrylate
CAS-Registry-Number:	117428-22-5
Empirical formula:	C ₁₈ H ₁₆ F ₃ NO ₄
Molecular mass:	367.3
Chemical Structure:	

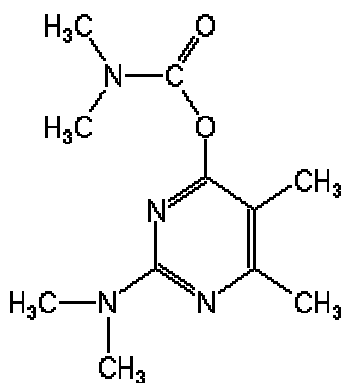
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	Picoxystrobin
Lot Number:	ASJ10099-01
Certificate of:	22.05.00
Purity:	99.8 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.04.05

Test Items

Name:	Pirimicarb
Chemical name (IUPAC):	2-dimethylamino-5,6-dimethylpyrimidin-4-yl dimethylcarbamate
CAS-Registry-Number:	23103-98-2
Empirical formula:	C ₁₁ H ₁₈ N ₄ O ₂
Molecular mass:	238.3
Chemical Structure:	

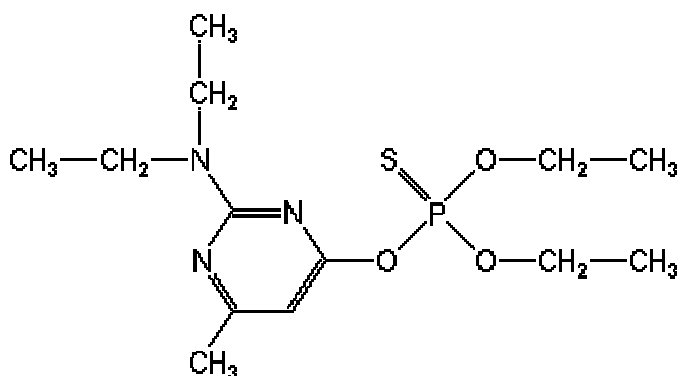
**Reference Items**

The certified reference items were supplied by Eurofins Analytik GmbH, Dr. Specht Laboratorien, D-21079 Hamburg.

Name:	Pirimicarb
Lot Number:	ASJ10080-01S
Certificate of:	29.01.99
Purity:	99.9 %
Storage at test facility:	≤ -18 °C under dark conditions
Expiry date:	31.01.04

Test Items

Name: **Pirimiphos-ethyl**
Chemical name (IUPAC): O-2-diethylamino-6-methylpyrimidin-4-yl O,O-diethyl phosphorothioate
CAS-Registry-Number: 23505-41-1
Empirical formula: C₁₃H₂₄N₃O₃PS
Molecular mass: 333.4
Chemical Structure:

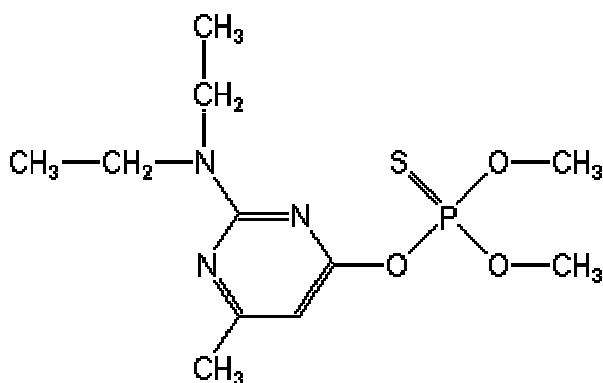
**Reference Items**

No certified reference items were used.

Name: **Pirimiphos-ethyl**
Lot Number:
Certificate of:
Purity: 99.0 %
Storage at test facility: ≤ -18 °C under dark conditions
Expiry date:

Test Items

Name:	Pirimiphos-methyl
Chemical name (IUPAC):	O-2-diethylamino-6-methylpyrimidin-4-yl O,O-dimethyl phosphorothioate
CAS-Registry-Number:	29232-93-7
Empirical formula:	C ₁₁ H ₂₀ N ₃ O ₃ PS
Molecular mass:	305.3
Chemical Structure:	

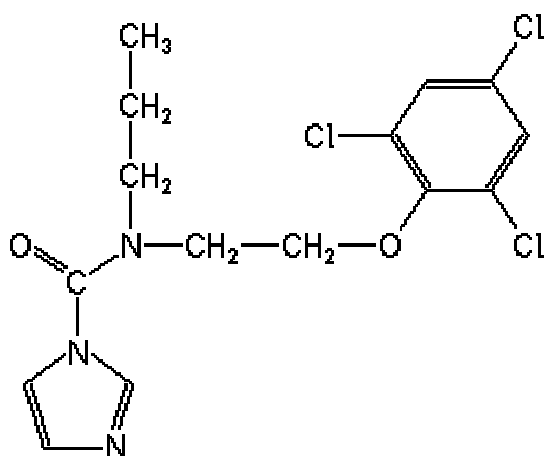
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	Pirimiphos-methyl
Lot Number:	71121
Certificate of:	25.11.97
Purity:	99.5 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.11.01

Test Items

Name:	Prochloraz
Chemical name (IUPAC):	N-propyl-N-[2-(2,4,6-trichlorophenoxy)ethyl]imidazole-1-carboxamide or 1-{N-propyl-N-[2-(2,4,6-trichlorophenoxy)ethyl]}carbamoylimidazole
CAS-Registry-Number:	67747-09-5
Empirical formula:	C ₁₅ H ₁₆ Cl ₃ N ₃ O ₂
Molecular mass:	376.7
Chemical Structure:	

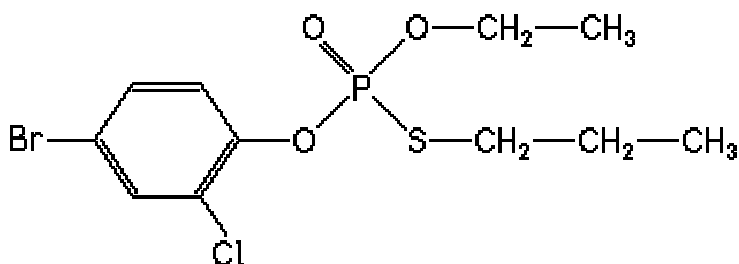
**Reference Items**

The certified reference items were supplied by Eurofins Analytik GmbH, Dr. Specht Laboratorien, D-21079 Hamburg.

Name:	Prochloraz
Lot Number:	30908
Certificate of:	21.10.03
Purity:	99.5 %
Storage at test facility:	≤ -18 °C under dark conditions
Expiry date:	17.10.07

Test Items

Name:	Profenofos
Chemical name (IUPAC):	(RS)-O-4-bromo-2-chlorophenyl O-ethyl S-propyl phosphorothioate
CAS-Registry-Number:	41198-08-7
Empirical formula:	C ₁₁ H ₁₅ BrClO ₃ PS
Molecular mass:	373.6
Chemical Structure:	

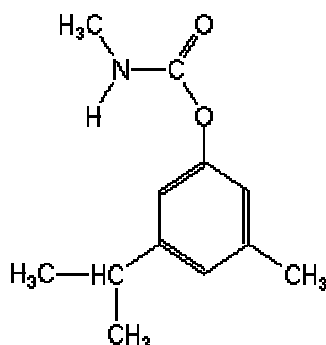
**Reference Items**

No certified reference items were used.

Name:	Profenofos
Lot Number:	40425
Certificate of:	
Purity:	87.0 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.04.97

Test Items

Name:	Promecarb
Chemical name (IUPAC):	5-methyl-m-cumenyl methylcarbamate or 3-isopropyl-5-methylphenyl methylcarbamate
CAS-Registry-Number:	2631-37-0
Empirical formula:	C ₁₂ H ₁₇ NO ₂
Molecular mass:	207.3
Chemical Structure:	

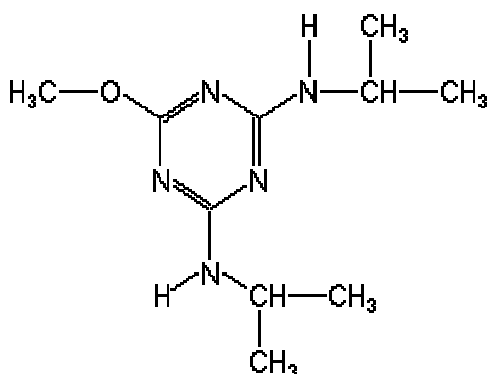
**Reference Items**

The certified reference items were supplied by Eurofins Analytik GmbH, Dr. Specht Laboratorien, D-21079 Hamburg.

Name:	Promecarb
Lot Number:	20117
Certificate of:	22.01.02
Purity:	99.0 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.01.06

Test Items

Name:	Prometon
Chemical name (IUPAC):	N2,N4-di-isopropyl-6-methoxy-1,3,5-triazine-2,4-diamine
CAS-Registry-Number:	1610-18-0
Empirical formula:	C ₁₀ H ₁₉ N ₅ O
Molecular mass:	225.3
Chemical Structure:	

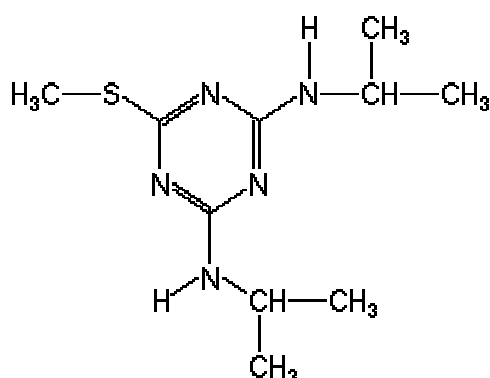
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	Prometon
Lot Number:	11128
Certificate of:	14.12.01
Purity:	98.0 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.12.07

Test Items

Name:	Prometryne
Chemical name (IUPAC):	N2,N4-di-isopropyl-6-methylthio-1,3,5-triazine-2,4-diamine
CAS-Registry-Number:	7287-19-6
Empirical formula:	C ₁₀ H ₁₉ N ₅ S
Molecular mass:	241.4
Chemical Structure:	

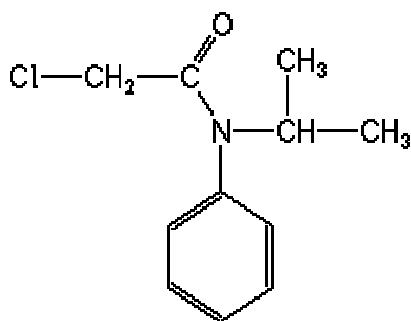
**Reference Items**

The certified reference items were supplied by Eurofins Analytik GmbH, Dr. Specht Laboratorien, D-21079 Hamburg.

Name:	Prometryne
Lot Number:	00713
Certificate of:	31.07.00
Purity:	97.5 %
Storage at test facility:	≤ -18 °C under dark conditions
Expiry date:	01.07.06

Test Items

Name:	Propachlor
Chemical name (IUPAC):	2-chloro-N-isopropylacetanilide or a-chloro-N-isopropylacetanilide
CAS-Registry-Number:	1918-16-7
Empirical formula:	C ₁₁ H ₁₄ ClNO
Molecular mass:	211.7
Chemical Structure:	

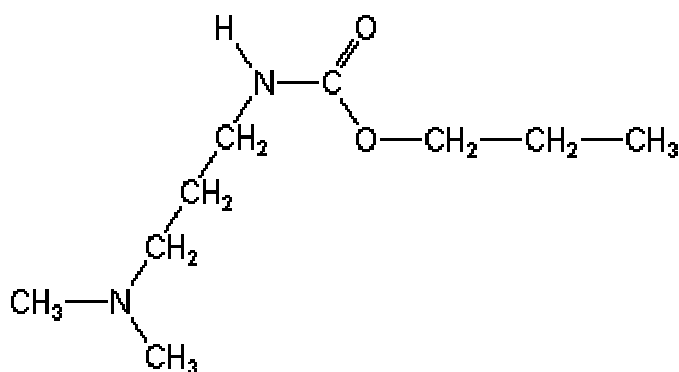
**Reference Items**

No certified reference items were used.

Name:	Propachlor
Lot Number:	
Certificate of:	
Purity:	99.9 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	

Test Items

Name:	Propamocarb
Chemical name (IUPAC):	propyl 3-(dimethylamino)propylcarbamate
CAS-Registry-Number:	24579-73-5
Empirical formula:	C ₉ H ₂₀ N ₂ O ₂
Molecular mass:	188.3
Chemical Structure:	

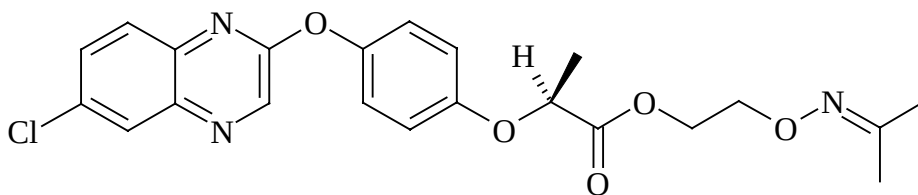
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	Propamocarb
Lot Number:	30310
Certificate of:	14.03.03
Purity:	97.0 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.03.07

Test Items

Name:	Propaquizafop
Chemical name (IUPAC):	2-isopropylideneamino-oxyethyl (R)-2-[4-(6-chloroquinoxalin-2-yloxy)phenoxy]propionate
CAS-Registry-Number:	111479-05-1
Empirical formula:	C ₂₂ H ₂₂ ClN ₃ O ₅
Molecular mass:	443.9
Chemical Structure:	

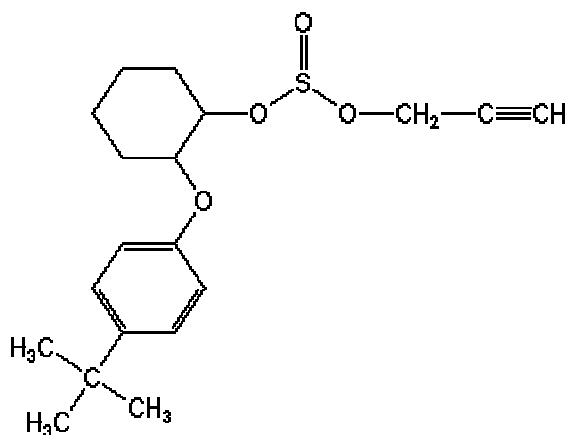
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	Propaquizafop
Lot Number:	30708
Certificate of:	16.07.03
Purity:	95.0 %
Storage at test facility:	≤ -18 °C under dark conditions
Expiry date:	01.07.07

Test Items

Name:	Propargite
Chemical name (IUPAC):	2-(4-tert-butylphenoxy)cyclohexyl prop-2-ynyl sulfite
CAS-Registry-Number:	2312-35-8
Empirical formula:	C ₁₉ H ₂₆ O ₄ S
Molecular mass:	350.5
Chemical Structure:	

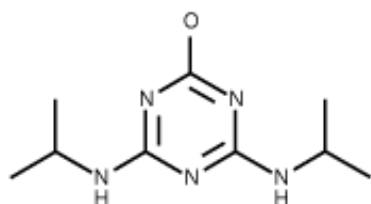
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	Propargite
Lot Number:	21120
Certificate of:	09.12.02
Purity:	91.0 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.12.05

Test Items

Name:	Propazin-2-hydroxy
Chemical name (IUPAC):	2-hydroxy-N4,N6-di-isopropyl-1,3,5-triazine-2,4-diamine
CAS-Registry-Number:	N/A
Empirical formula:	C ₉ H ₁₇ N ₅ O
Molecular mass:	211.3
Chemical Structure:	

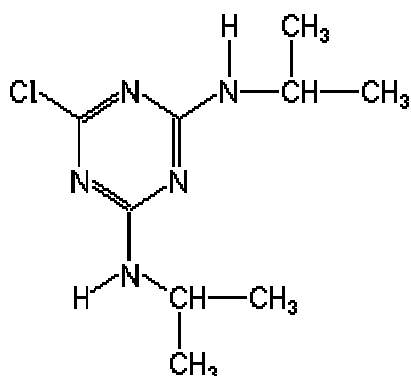
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	Propazin-2-hydroxy
Lot Number:	10703
Certificate of:	05.07.01
Purity:	99.0 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.07.07

Test Items

Name:	Propazine
Chemical name (IUPAC):	6-chloro-N2,N4-di-isopropyl-1,3,5-triazine-2,4-diamine
CAS-Registry-Number:	139-40-2
Empirical formula:	C ₉ H ₁₆ ClN ₅
Molecular mass:	229.7
Chemical Structure:	

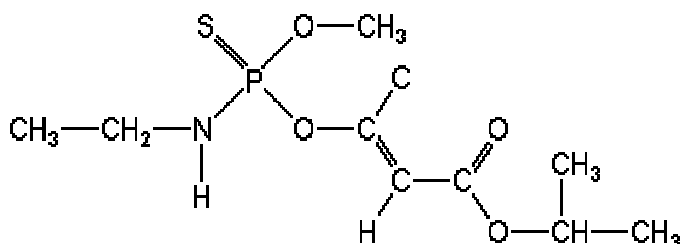
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	Propazine
Lot Number:	1106
Certificate of:	14.11.00
Purity:	99.0 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.11.06

Test Items

Name:	Propetamphos
Chemical name (IUPAC):	(RS)-(E)-O-2-isopropoxycarbonyl-1-methylvinyl O-methyl ethylphosphoramidothioate
CAS-Registry-Number:	31218-83-4
Empirical formula:	C ₁₀ H ₂₀ NO ₄ PS
Molecular mass:	281.3
Chemical Structure:	

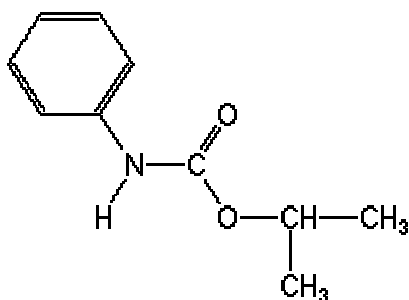
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	Propetamphos
Lot Number:	40630
Certificate of:	30.06.94
Purity:	96.0 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	02.06.97

Test Items

Name:	Propham
Chemical name (IUPAC):	isopropyl carbanilate or isopropyl phenylcarbamate
CAS-Registry-Number:	122-42-9
Empirical formula:	C ₁₀ H ₁₃ NO ₂
Molecular mass:	179.2
Chemical Structure:	

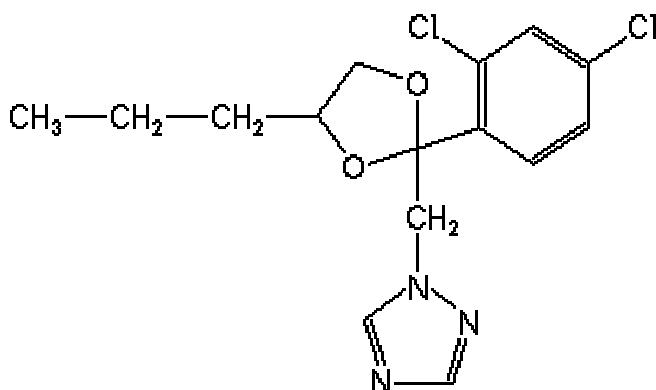
**Reference Items**

The certified reference items were supplied by Eurofins Analytik GmbH, Dr. Specht Laboratorien, D-21079 Hamburg.

Name:	Propham
Lot Number:	40302
Certificate of:	19.03.04
Purity:	98.0 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.03.10

Test Items

Name:	Propiconazole
Chemical name (IUPAC):	cis-trans-1-[2-(2,4-dichlorophenyl)-4-propyl-1,3-dioxolan-2-ylmethyl]-1H-1,2,4-triazole
CAS-Registry-Number:	60207-90-1
Empirical formula:	C ₁₅ H ₁₇ Cl ₂ N ₃ O ₂
Molecular mass:	342.2
Chemical Structure:	

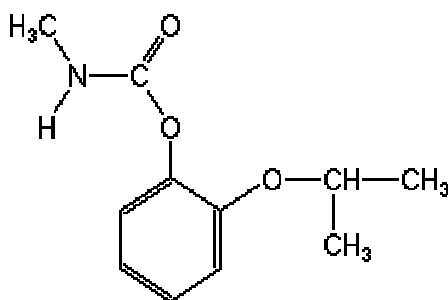
**Reference Items**

The certified reference items were supplied by Eurofins Analytik GmbH, Dr. Specht Laboratorien, D-21079 Hamburg.

Name:	Propiconazole
Lot Number:	10803
Certificate of:	26.11.01
Purity:	97.0 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.11.05

Test Items

Name:	Propoxur
Chemical name (IUPAC):	2-isopropoxyphenyl methylcarbamate
CAS-Registry-Number:	114-26-1
Empirical formula:	C ₁₁ H ₁₅ NO ₃
Molecular mass:	209.3
Chemical Structure:	

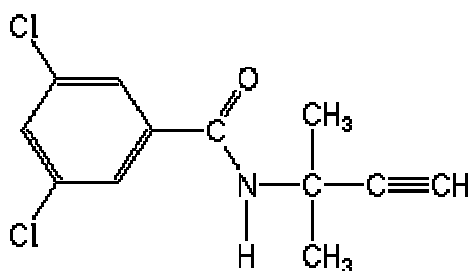
**Reference Items**

The certified reference items were supplied by Eurofins Analytik GmbH, Dr. Specht Laboratorien, D-21079 Hamburg.

Name:	Propoxur
Lot Number:	910419ELB03
Certificate of:	25.06.96
Purity:	99.9 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	30.06.06

Test Items

Name:	Propyzamide
Chemical name (IUPAC):	3,5-dichloro-N-(1,1-dimethylpropynyl)benzamide
CAS-Registry-Number:	23950-58-5
Empirical formula:	C ₁₂ H ₁₁ Cl ₂ NO
Molecular mass:	256.1
Chemical Structure:	

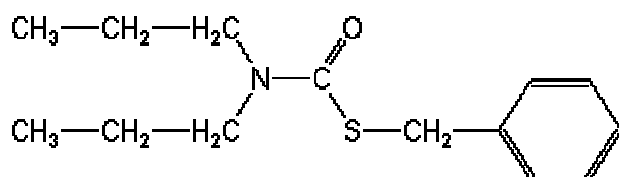
**Reference Items**

The certified reference items were supplied by Eurofins Analytik GmbH, Dr. Specht Laboratorien, D-21079 Hamburg.

Name:	Propyzamide
Lot Number:	10912
Certificate of:	21.09.01
Purity:	99.0 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.09.07

Test Items

Name:	Prosulfocarb
Chemical name (IUPAC):	S-benzyl dipropylthiocarbamate
CAS-Registry-Number:	52888-80-9
Empirical formula:	C ₁₄ H ₂₁ NOS
Molecular mass:	251.4
Chemical Structure:	

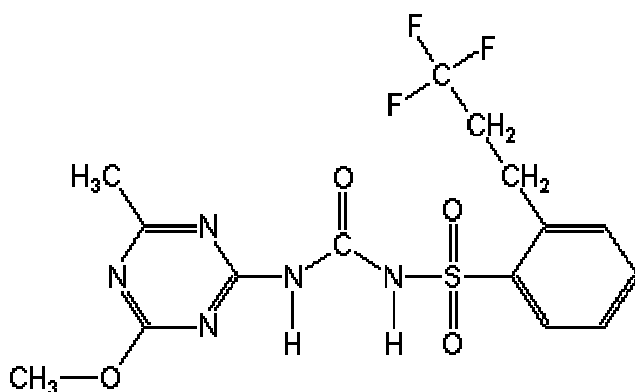
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	Prosulfocarb
Lot Number:	302
Certificate of:	27.03.00
Purity:	96.0 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.09.01

Test Items

Name:	Prosulfuron
Chemical name (IUPAC):	1-(4-methoxy-6-methyl-1,3,5-triazin-2-yl)-3-[2-(3,3,3-trifluoropropyl)phenylsulfonyl]urea
CAS-Registry-Number:	94125-34-5
Empirical formula:	C ₁₅ H ₁₆ F ₃ N ₅ O ₄ S
Molecular mass:	419.4
Chemical Structure:	

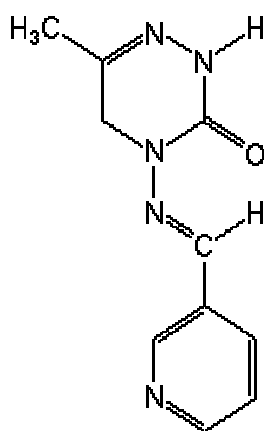
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	Prosulfuron
Lot Number:	11115
Certificate of:	17.01.02
Purity:	99.0 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.01.06

Test Items

Name:	Pymetrozin
Chemical name (IUPAC):	(E)-4,5-dihydro-6-methyl-4-(3-pyridylmethyleamino)-1,2,4-triazin-3(2H)-one
CAS-Registry-Number:	123312-89-0
Empirical formula:	C ₁₀ H ₁₁ N ₅ O
Molecular mass:	217.2
Chemical Structure:	

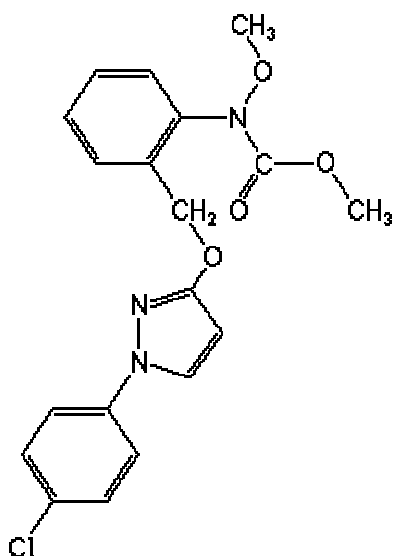
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	Pymetrozin
Lot Number:	11015
Certificate of:	01.02.02
Purity:	99.5 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.01.06

Test Items

Name:	Pyraclostrobin
Chemical name (IUPAC):	methyl N-{2-[1-(4-chlorophenyl)-1H-pyrazol-3-yloxymethyl]phenyl}(N-methoxy)carbamate
CAS-Registry-Number:	175013-18-0
Empirical formula:	C ₁₉ H ₁₈ ClN ₃ O ₄
Molecular mass:	387.8
Chemical Structure:	

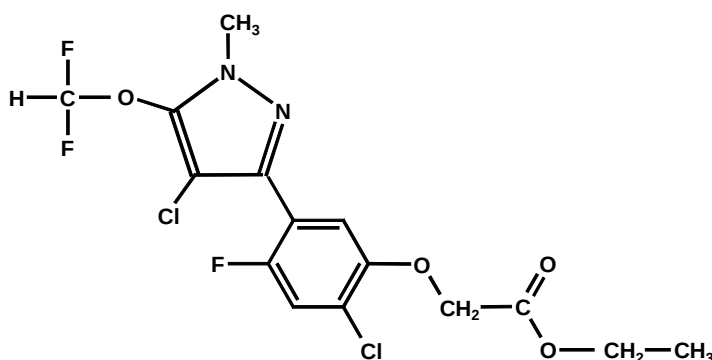
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	Pyraclostrobin
Lot Number:	20611
Certificate of:	27.09.02
Purity:	99.7 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.09.06

Test Items

Name: **Pyraflufen-ethyl**
Chemical name (IUPAC): ethyl 2-chloro-5-(4-chloro-5-difluoromethoxy-1-methylpyrazol-3-yl)-4-fluorophenoxyacetate
CAS-Registry-Number: 129630-17-7
Empirical formula: C₁₅H₁₃Cl₂F₃N₂O₄
Molecular mass: 413.2
Chemical Structure:

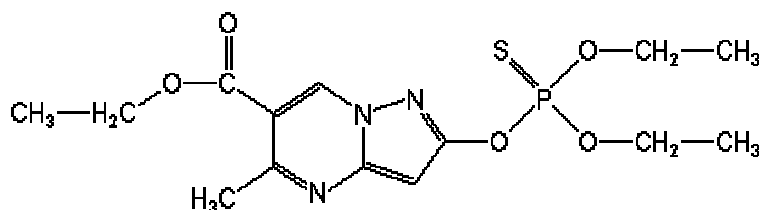
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name: **Pyraflufen-ethyl**
Lot Number: 41015CY
Certificate of: 18.10.04
Purity:
Storage at test facility: $\leq -18\text{ }^{\circ}\text{C}$ under dark conditions
Expiry date: 01.10.06

Test Items

Name:	Pyrazophos
Chemical name (IUPAC):	ethyl 2-diethoxyphosphinothioxy-5-methylpyrazolo[1,5-a]pyrimidine-6-carboxylate or O-6-ethoxycarbonyl-5-methylpyrazolo[1,5-a]pyrimidin-2-yl O,O-diethyl phosphorothioate
CAS-Registry-Number:	13457-18-6
Empirical formula:	C ₁₄ H ₂₀ N ₃ O ₅ PS
Molecular mass:	373.4
Chemical Structure:	

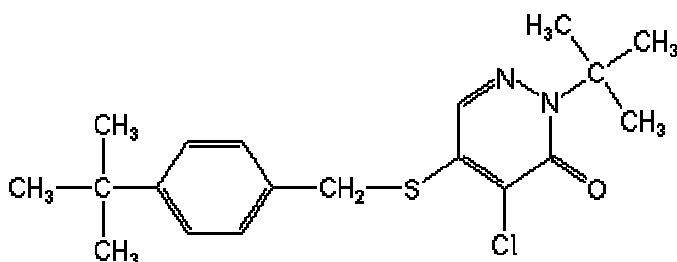
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	Pyrazophos
Lot Number:	50710
Certificate of:	18.07.95
Purity:	98.2 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.08.99

Test Items

Name:	Pyridaben
Chemical name (IUPAC):	2-tert-butyl-5-(4-tert-butylbenzylthio)-4-chloropyridazin-3(2H)-one
CAS-Registry-Number:	96489-71-3
Empirical formula:	C ₁₉ H ₂₅ ClN ₂ OS
Molecular mass:	364.9
Chemical Structure:	

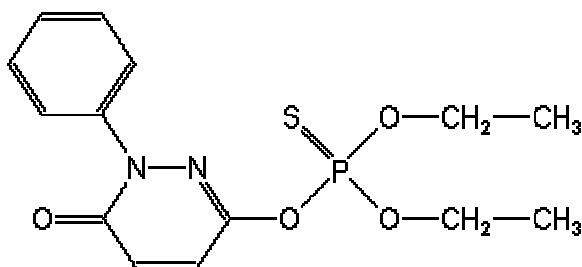
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	Pyridaben
Lot Number:	01213
Certificate of:	13.02.01
Purity:	98.0 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.02.07

Test Items

Name:	Pyridaphenthion
Chemical name (IUPAC):	O-(1,6-dihydro-6-oxo-1-phenylpyridazin-3-yl) O,O-diethyl phosphorothioate
CAS-Registry-Number:	119-12-0
Empirical formula:	C ₁₄ H ₁₇ N ₂ O ₄ PS
Molecular mass:	340.3
Chemical Structure:	

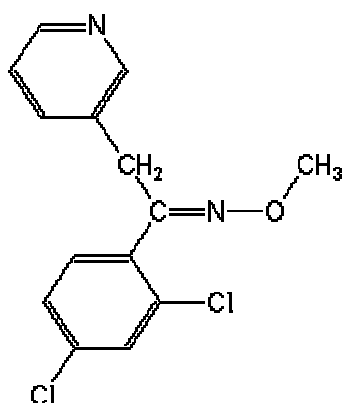
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	Pyridaphenthion
Lot Number:	20716
Certificate of:	27.09.02
Purity:	97.5 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.09.06

Test Items

Name:	Pyrifenox
Chemical name (IUPAC):	2',4'-dichloro-2-(3-pyridyl)acetophenone (EZ)-O-methyloxime
CAS-Registry-Number:	88283-41-4
Empirical formula:	C ₁₄ H ₁₂ Cl ₂ N ₂ O
Molecular mass:	295.2
Chemical Structure:	

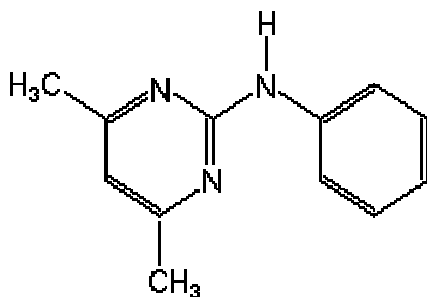
**Reference Items**

No certified reference items were used.

Name:	Pyrifenox
Lot Number:	53130
Certificate of:	
Purity:	96.0 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	

Test Items

Name:	Pyrimethanil
Chemical name (IUPAC):	N-(4,6-dimethylpyrimidin-2-yl)aniline
CAS-Registry-Number:	53112-28-0
Empirical formula:	C ₁₂ H ₁₃ N ₃
Molecular mass:	199.3
Chemical Structure:	

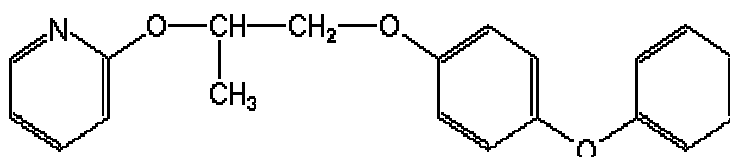
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	Pyrimethanil
Lot Number:	31112
Certificate of:	28.11.03
Purity:	99.0 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.11.09

Test Items

Name:	Pyriproxyfen
Chemical name (IUPAC):	4-phenoxyphenyl (RS)-2-(2-pyridyloxy)propyl ether
CAS-Registry-Number:	95737-68-1
Empirical formula:	C ₂₀ H ₁₉ NO ₃
Molecular mass:	321.5
Chemical Structure:	

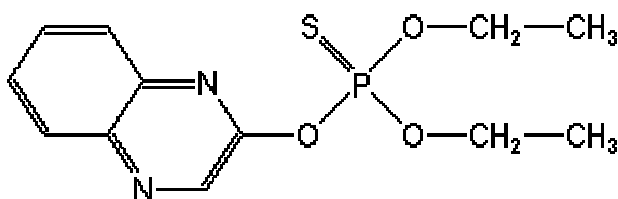
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	Pyriproxyfen
Lot Number:	20614
Certificate of:	07.08.02
Purity:	99.0 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.08.06

Test Items

Name:	Quinalphos
Chemical name (IUPAC):	O,O-diethyl O-quinoxalin-2-yl phosphorothioate
CAS-Registry-Number:	13593-03-8
Empirical formula:	C ₁₂ H ₁₅ N ₂ O ₃ PS
Molecular mass:	298.3
Chemical Structure:	

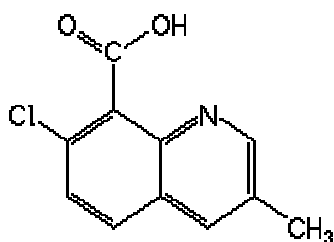
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	Quinalphos
Lot Number:	31214
Certificate of:	02.03.94
Purity:	98.5 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.12.94

Test Items

Name:	Quinmerac
Chemical name (IUPAC):	7-chloro-3-methylquinoline-8-carboxylic acid
CAS-Registry-Number:	90717-03-6
Empirical formula:	C ₁₁ H ₈ ClNO ₂
Molecular mass:	221.6
Chemical Structure:	

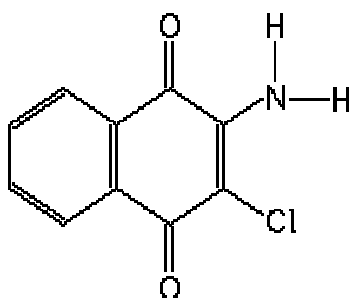
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	Quinmerac
Lot Number:	11206
Certificate of:	10.12.01
Purity:	99.5 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.12.07

Test Items

Name:	Quinoclamine
Chemical name (IUPAC):	2-amino-3-chloro-1,4-naphthoquinone
CAS-Registry-Number:	2797-51-5
Empirical formula:	C ₁₀ H ₆ ClNO ₂
Molecular mass:	207.6
Chemical Structure:	

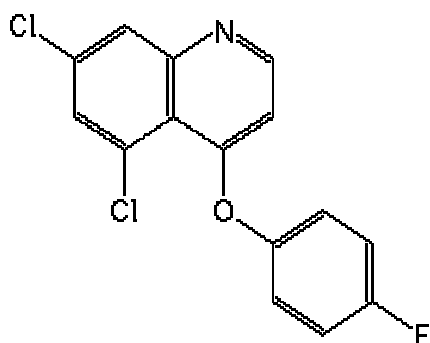
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	Quinoclamine
Lot Number:	40709AC
Certificate of:	19.07.04
Purity:	
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.07.07

Test Items

Name:	Quinoxyfen
Chemical name (IUPAC):	5,7-dichloro-4-quinolyl 4-fluorophenyl ether
CAS-Registry-Number:	124495-18-7
Empirical formula:	C ₁₅ H ₈ Cl ₂ FNO
Molecular mass:	308.1
Chemical Structure:	

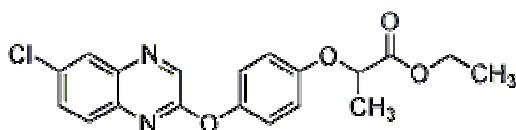
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	Quinoxyfen
Lot Number:	71028
Certificate of:	07.11.97
Purity:	98.5 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.11.01

Test Items

Name:	Quizalofop-ethyl
Chemical name (IUPAC):	ethyl (RS)-2-[4-(6-chloroquinoxalin-2-yloxy)phenoxy]propionate
CAS-Registry-Number:	76578-14-8
Empirical formula:	C ₁₉ H ₁₇ ClN ₂ O ₄
Molecular mass:	372.8
Chemical Structure:	

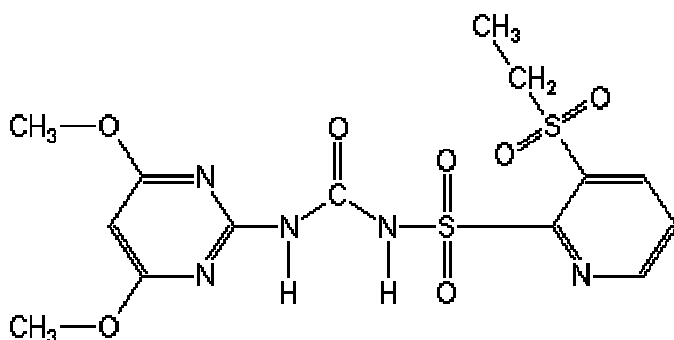
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	Quizalofop-ethyl
Lot Number:	40323
Certificate of:	06.04.04
Purity:	98.0 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.04.07

Test Items

Name:	Rimsulfuron
Chemical name (IUPAC):	1-(4,6-dimethoxypyrimidin-2-yl)-3-(3-ethylsulfonyl-2-pyridylsulfonyl)urea
CAS-Registry-Number:	122931-48-0
Empirical formula:	C ₁₄ H ₁₇ N ₅ O ₇ S ₂
Molecular mass:	431.4
Chemical Structure:	

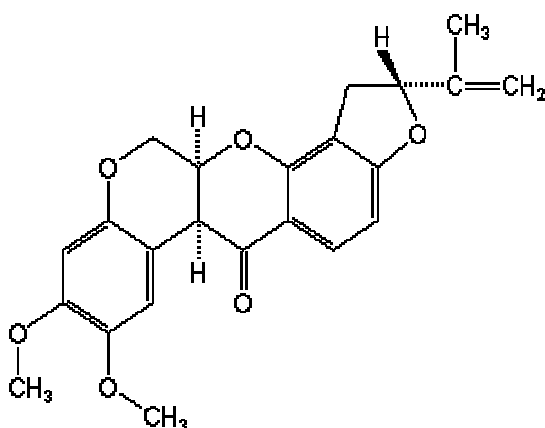
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	Rimsulfuron
Lot Number:	10222
Certificate of:	10.07.01
Purity:	98.7 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.07.05

Test Items

Name:	Rotenone
Chemical name (IUPAC):	(2R,6aS,12aS)-1,2,6,6a,12,12a-hexahydro-2-isopropenyl-8,9-dimethoxychromeno[3,4-b]furo[2,3-h]chromen-6-one
CAS-Registry-Number:	83-79-4
Empirical formula:	C ₂₃ H ₂₂ O ₆
Molecular mass:	394.4
Chemical Structure:	

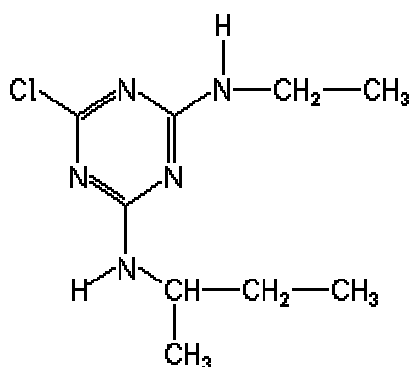
**Reference Items**

No certified reference items were used.

Name:	Rotenone
Lot Number:	
Certificate of:	
Purity:	99.0 %
Storage at test facility:	≤ -18 °C under dark conditions
Expiry date:	

Test Items

Name:	Sebuthylazine
Chemical name (IUPAC):	(RS)-N2-sec-butyl-6-chloro-N4-ethyl-1,3,5-triazine-2,4-diamine
CAS-Registry-Number:	7286-69-3
Empirical formula:	C ₉ H ₁₆ ClN ₅
Molecular mass:	229.7
Chemical Structure:	

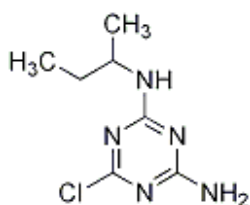
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	Sebuthylazine
Lot Number:	30604
Certificate of:	13.06.03
Purity:	96.5 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.06.09

Test Items

Name:	Sebuthylazine-desethyl
Chemical name (IUPAC):	(RS)-N2-sec-butyl-6-chloro-1,3,5-triazine-2,4-diamine
CAS-Registry-Number:	37019-18-4
Empirical formula:	C ₇ H ₁₂ ClN ₅
Molecular mass:	201.7
Chemical Structure:	

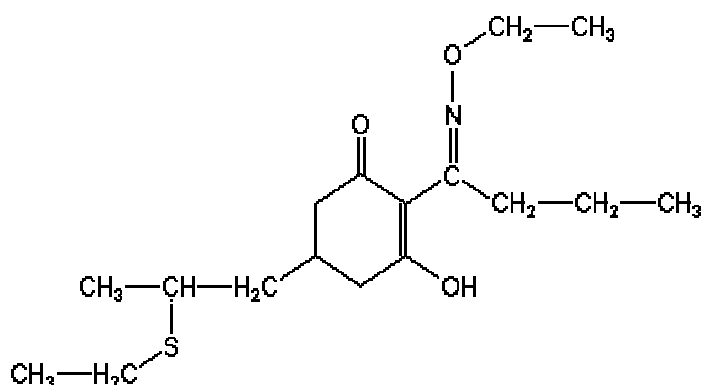
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	Sebuthylazine-desethyl
Lot Number:	40512
Certificate of:	27.05.04
Purity:	99.0 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.05.10

Test Items

Name:	Sethoxydim
Chemical name (IUPAC):	(5RS)-(EZ)-2-(1-ethoxyiminobutyl)-5-[2-(ethylthio)propyl]-3-hydroxycyclohex-2-en-1-one
CAS-Registry-Number:	74051-80-2
Empirical formula:	C ₁₇ H ₂₉ NO ₃ S
Molecular mass:	327.5
Chemical Structure:	

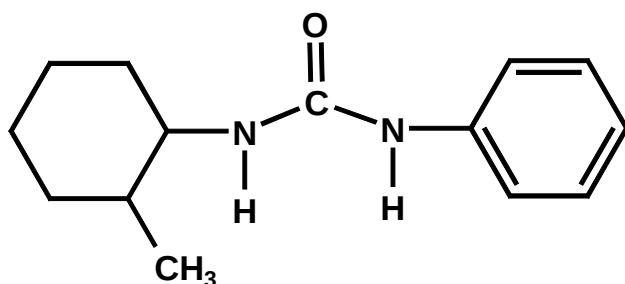
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	Sethoxydim
Lot Number:	322-59A
Certificate of:	01.03.00
Purity:	98.0 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.04.06

Test Items

Name:	Siduron
Chemical name (IUPAC):	1-(2-methylcyclohexyl)-3-phenylurea
CAS-Registry-Number:	1982-49-6
Empirical formula:	C ₁₄ H ₂₀ N ₂ O
Molecular mass:	232.3
Chemical Structure:	

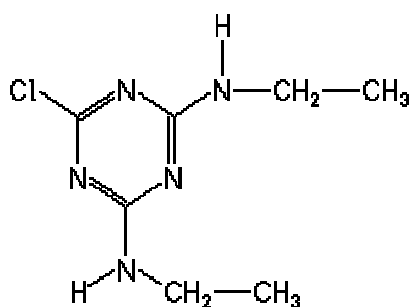
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	Siduron
Lot Number:	30214
Certificate of:	27.02.03
Purity:	98.3 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.02.07

Test Items

Name:	Simazine
Chemical name (IUPAC):	6-chloro-N2,N4-diethyl-1,3,5-triazine-2,4-diamine
CAS-Registry-Number:	122-34-9
Empirical formula:	C ₇ H ₁₂ ClN ₅
Molecular mass:	201.7
Chemical Structure:	

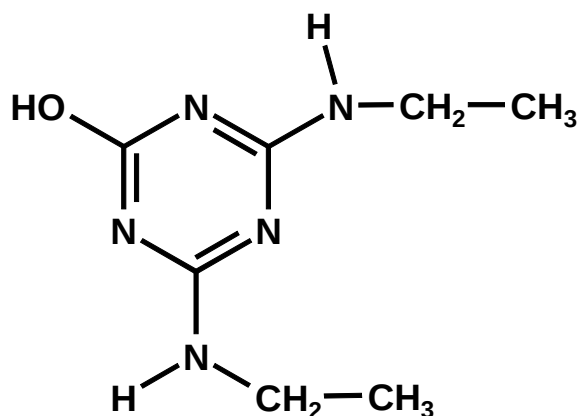
**Reference Items**

The certified reference items were supplied by Eurofins Analytik GmbH, Dr. Specht Laboratorien, D-21079 Hamburg.

Name:	Simazine
Lot Number:	90730
Certificate of:	09.08.99
Purity:	98.5 %
Storage at test facility:	≤ -18 °C under dark conditions
Expiry date:	01.08.05

Test Items

Name:	Simazine-2-hydroxy
Chemical name (IUPAC):	1,3,5-Triazin-2(1H)-one, 4-(ethylamino)-6-(ethylamino)
CAS-Registry-Number:	2599-11-3
Empirical formula:	C ₇ H ₁₃ N ₅ O
Molecular mass:	183.2
Chemical Structure:	

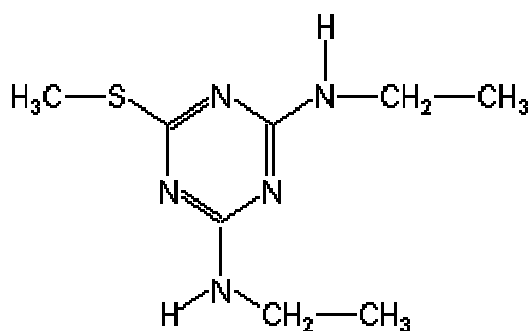
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	Simazine-2-hydroxy
Lot Number:	10308
Certificate of:	12.03.01
Purity:	99.0 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.03.07

Test Items

Name:	Simetryn
Chemical name (IUPAC):	N2,N4-diethyl-6-methylthio-1,3,5-triazine-2,4-diamine
CAS-Registry-Number:	1014-70-6
Empirical formula:	C ₈ H ₁₅ N ₅ S
Molecular mass:	213.3
Chemical Structure:	

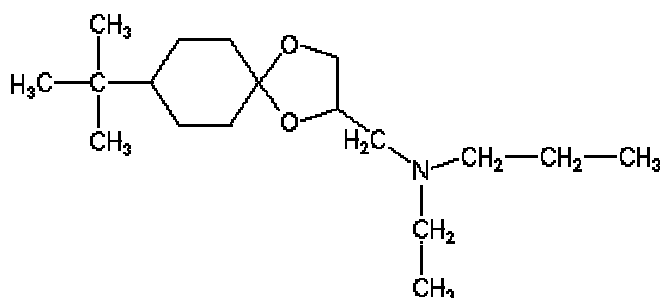
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	Simetryn
Lot Number:	01215
Certificate of:	29.03.01
Purity:	99.0 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.03.07

Test Items

Name:	Spiroxamine
Chemical name (IUPAC):	8-tert-butyl-1,4-dioxaspiro[4.5]decan-2-ylmethyl(ethyl)(propyl)amine
CAS-Registry-Number:	118134-30-8
Empirical formula:	C ₁₈ H ₃₅ NO ₂
Molecular mass:	297.5
Chemical Structure:	

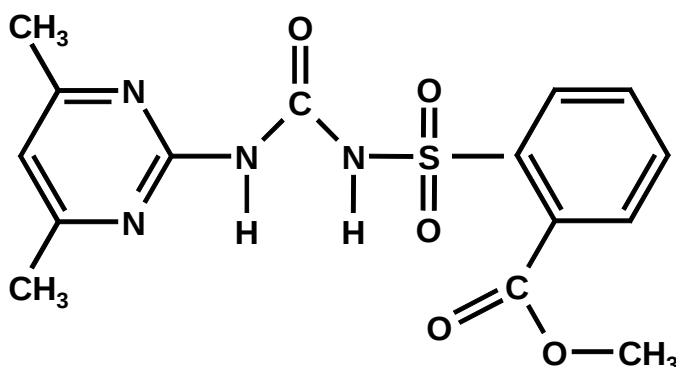
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	Spiroxamine
Lot Number:	40525
Certificate of:	04.06.04
Purity:	97.5 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.06.08

Test Items

Name: **Sulfometuron-methyl**
Chemical name (IUPAC): methyl 2-(4,6-dimethylpyrimidin-2-ylcarbamoylsulfamoyl)benzoate
CAS-Registry-Number: 74222-97-2
Empirical formula: C₁₅H₁₆N₄O₅S
Molecular mass: 364.4
Chemical Structure:

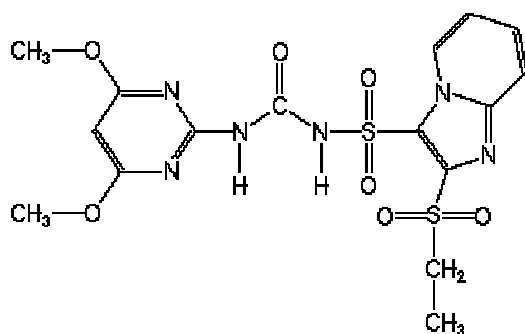
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name: **Sulfometuron-methyl**
Lot Number: 31007
Certificate of: 27.10.03
Purity: 99.0 %
Storage at test facility: ≤-18 °C under dark conditions
Expiry date: 01.10.07

Test Items

Name:	Sulfosulfuron
Chemical name (IUPAC):	1-(4,6-dimethoxypyrimidin-2-yl)-3-(2-ethylsulfonylimidazo[1,2-a]pyridin-3-ylsulfonyl)urea
CAS-Registry-Number:	141776-32-1
Empirical formula:	C ₁₆ H ₁₈ N ₆ O ₇ S ₂
Molecular mass:	470.5
Chemical Structure:	

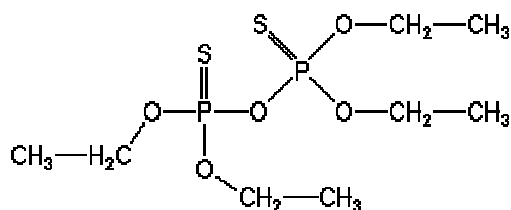
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	Sulfosulfuron
Lot Number:	11023
Certificate of:	21.12.01
Purity:	98.5 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.12.05

Test Items

Name:	Sulfotep
Chemical name (IUPAC):	O,O,O',O'-tetraethyl dithiopyrophosphate
CAS-Registry-Number:	3689-24-5
Empirical formula:	C ₈ H ₂₀ O ₅ P ₂ S ₂
Molecular mass:	322.3
Chemical Structure:	

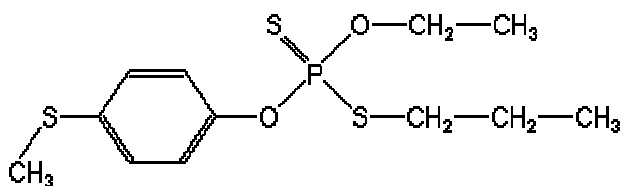
**Reference Items**

The certified reference items were supplied by Eurofins Analytik GmbH, Dr. Specht Laboratorien, D-21079 Hamburg.

Name:	Sulfotep
Lot Number:	30326
Certificate of:	03.04.03
Purity:	94.5 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.03.07

Test Items

Name:	Sulprofos
Chemical name (IUPAC):	(RS)-O-ethyl O-4-(methylthio)phenyl S-propyl phosphorodithioate
CAS-Registry-Number:	35400-43-2
Empirical formula:	C ₁₂ H ₁₉ O ₂ PS ₃
Molecular mass:	322.4
Chemical Structure:	

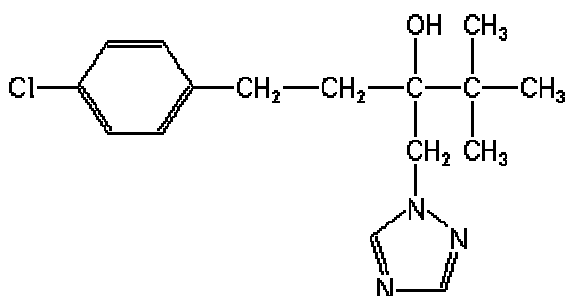
**Reference Items**

The certified reference items were supplied by Eurofins Analytik GmbH, Dr. Specht Laboratorien, D-21079 Hamburg.

Name:	Sulprofos
Lot Number:	20907
Certificate of:	17.09.02
Purity:	90.5 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.09.06

Test Items

Name:	Tebuconazol
Chemical name (IUPAC):	(RS)-1-p-chlorophenyl-4,4-dimethyl-3-(1H-1,2,4-triazol-1-ylmethyl)pentan-3-ol
CAS-Registry-Number:	107534-96-3
Empirical formula:	C ₁₆ H ₂₂ ClN ₃ O
Molecular mass:	307.8
Chemical Structure:	

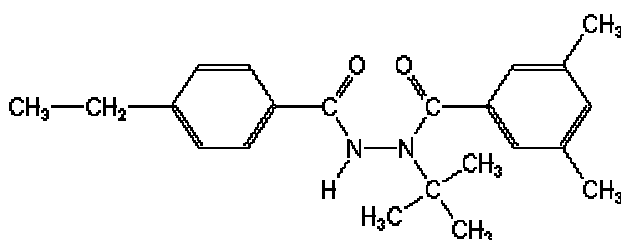
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	Tebuconazol
Lot Number:	21017
Certificate of:	30.10.02
Purity:	98.0 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.10.08

Test Items

Name:	Tebufenozid
Chemical name (IUPAC):	N-tert-butyl-N'-(4-ethylbenzoyl)-3,5-dimethylbenzohydrazide
CAS-Registry-Number:	112410-23-8
Empirical formula:	C ₂₂ H ₂₈ N ₂ O ₂
Molecular mass:	352.5
Chemical Structure:	

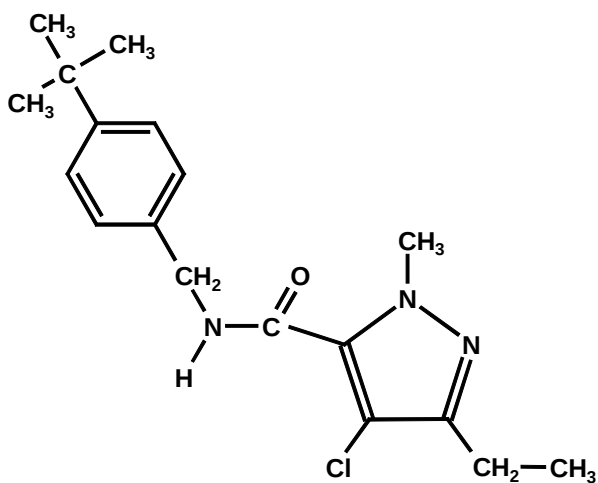
**Reference Items**

The certified reference items were supplied by Eurofins Analytik GmbH, Dr. Specht Laboratorien, D-21079 Hamburg.

Name:	Tebufenozid
Lot Number:	20312
Certificate of:	22.03.02
Purity:	99.5 %
Storage at test facility:	≤ -18 °C under dark conditions
Expiry date:	01.03.06

Test Items

Name:	Tebufenpyrad
Chemical name (IUPAC):	N-(4-tert-butylbenzyl)-4-chloro-3-ethyl-1-methylpyrazole-5-carboxamide
CAS-Registry-Number:	119168-77-3
Empirical formula:	C ₁₈ H ₂₄ ClN ₃ O
Molecular mass:	333.8
Chemical Structure:	

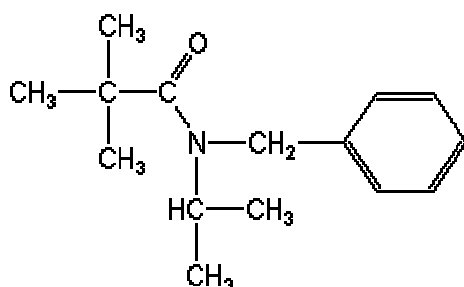
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	Tebufenpyrad
Lot Number:	40630
Certificate of:	12.07.04
Purity:	99.0 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.07.08

Test Items

Name:	Tebutam
Chemical name (IUPAC):	N-benzyl-N-isopropylpivalamide
CAS-Registry-Number:	35256-85-0
Empirical formula:	C ₁₅ H ₂₃ NO
Molecular mass:	233.4
Chemical Structure:	

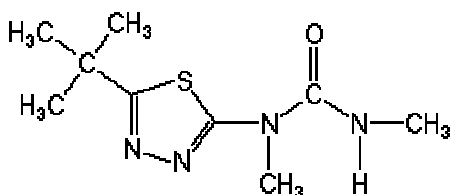
**Reference Items**

No certified reference items were used.

Name:	Tebutam
Lot Number:	
Certificate of:	
Purity:	
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	

Test Items

Name:	Tebuthiuron
Chemical name (IUPAC):	1-(5-tert-butyl-1,3,4-thiadiazol-2-yl)-1,3-dimethylurea
CAS-Registry-Number:	34014-18-1
Empirical formula:	C ₉ H ₁₆ N ₄ OS
Molecular mass:	228.3
Chemical Structure:	

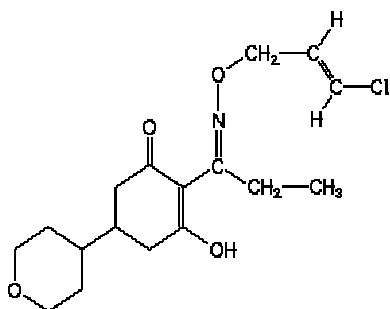
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	Tebuthiuron
Lot Number:	40709
Certificate of:	15.07.04
Purity:	99.0 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.07.08

Test Items

Name:	Tepraloxydim
Chemical name (IUPAC):	(RS)-(EZ)-2-{1-[(2E)-3-chloroallyloxyimino]propyl}-3-hydroxy-5-perhydropyran-4-ylcyclohex-2-en-1-one
CAS-Registry-Number:	149979-41-9
Empirical formula:	C ₁₇ H ₂₄ ClNO ₄
Molecular mass:	341.8
Chemical Structure:	

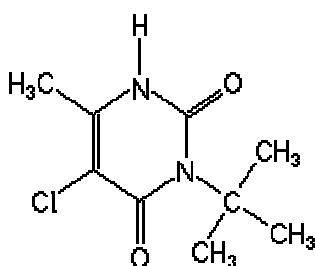
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	Tepraloxydim
Lot Number:	31218
Certificate of:	13.01.04
Purity:	99.0 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.01.07

Test Items

Name:	Terbacil
Chemical name (IUPAC):	3-tert-butyl-5-chloro-6-methyluracil
CAS-Registry-Number:	5902-51-2
Empirical formula:	C ₉ H ₁₃ ClN ₂ O ₂
Molecular mass:	216.7
Chemical Structure:	

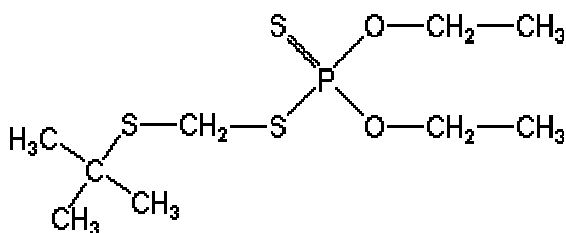
**Reference Items**

The certified reference items were supplied by Eurofins Analytik GmbH, Dr. Specht Laboratorien, D-21079 Hamburg.

Name:	Terbacil
Lot Number:	00114
Certificate of:	14.02.00
Purity:	98.0 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.02.06

Test Items

Name:	Terbufos
Chemical name (IUPAC):	S-tert-butylthiomethyl O,O-diethyl phosphorodithioate
CAS-Registry-Number:	13071-79-9
Empirical formula:	C ₉ H ₂₁ O ₂ PS ₃
Molecular mass:	288.4
Chemical Structure:	

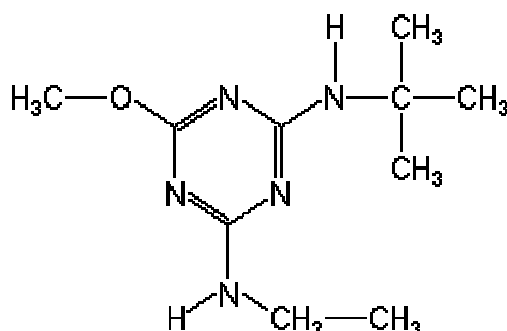
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	Terbufos
Lot Number:	41026
Certificate of:	26.10.94
Purity:	93.0 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.10.97

Test Items

Name:	Terbumeton
Chemical name (IUPAC):	N2-tert-butyl-N4-ethyl-6-methoxy-1,3,5-triazine-2,4-diamine
CAS-Registry-Number:	33693-04-8
Empirical formula:	C ₁₀ H ₁₉ N ₅ O
Molecular mass:	225.3
Chemical Structure:	

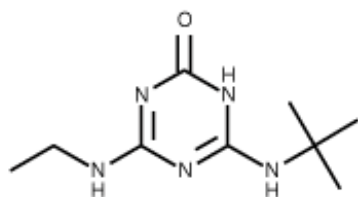
**Reference Items**

The certified reference items were supplied by Eurofins Analytik GmbH, Dr. Specht Laboratorien, D-21079 Hamburg.

Name:	Terbumeton
Lot Number:	10206
Certificate of:	23.02.01
Purity:	99.5 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.02.07

Test Items

Name:	Terbuthylazine-2-hydroxy
Chemical name (IUPAC):	1,3,5-Triazin-2(1H)-one, 4-(ethylamino)-6-(tert-butylamino)
CAS-Registry-Number:	N/A
Empirical formula:	C ₉ H ₁₇ N ₅ O
Molecular mass:	211.3
Chemical Structure:	

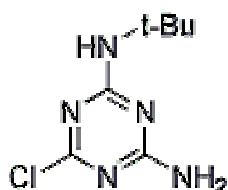
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	Terbuthylazine-2-hydroxy
Lot Number:	10718
Certificate of:	16.11.01
Purity:	98.5 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.11.07

Test Items

Name:	Terbuthylazine-desethyl
Chemical name (IUPAC):	N2-tert-butyl-6-chloro-1,3,5-triazine-2,4-diamine
CAS-Registry-Number:	30125-63-4
Empirical formula:	C ₇ H ₁₂ ClN ₅
Molecular mass:	201.7
Chemical Structure:	

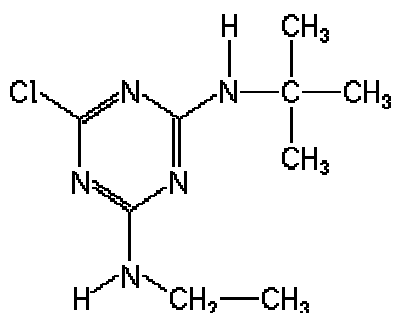
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	Terbuthylazine-desethyl
Lot Number:	11128
Certificate of:	14.12.01
Purity:	99.5 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.12.07

Test Items

Name:	Terbuthylazine
Chemical name (IUPAC):	N2-tert-butyl-6-chloro-N4-ethyl-1,3,5-triazine-2,4-diamine
CAS-Registry-Number:	5915-41-3
Empirical formula:	C ₉ H ₁₆ ClN ₅
Molecular mass:	229.7
Chemical Structure:	

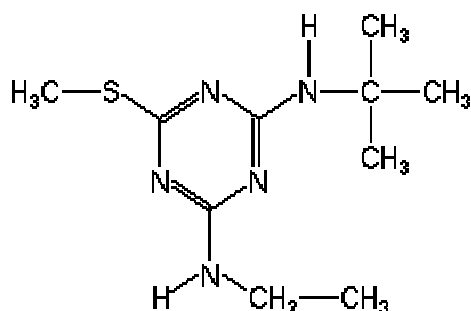
**Reference Items**

No certified reference items were used.

Name:	Terbuthylazine
Lot Number:	10523
Certificate of:	
Purity:	99.9 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.05.95

Test Items

Name: **Terbutryn**
Chemical name (IUPAC): N2-tert-butyl-N4-ethyl-6-methylthio-1,3,5-triazine-2,4-diamine
CAS-Registry-Number: 886-50-0
Empirical formula: C₁₀H₁₉N₅S
Molecular mass: 241.4
Chemical Structure:

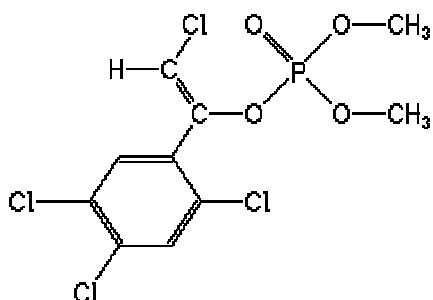
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name: **Terbutryn**
Lot Number: 30917
Certificate of: 18.09.03
Purity: 99.5 %
Storage at test facility: ≤-18 °C under dark conditions
Expiry date: 01.09.09

Test Items

Name:	Tetrachlorvinphos
Chemical name (IUPAC):	(Z)-2-chloro-1-(2,4,5-trichlorophenyl)vinyl dimethyl phosphate
CAS-Registry-Number:	961-11-5
Empirical formula:	C ₁₀ H ₉ Cl ₄ O ₄ P
Molecular mass:	366.0
Chemical Structure:	

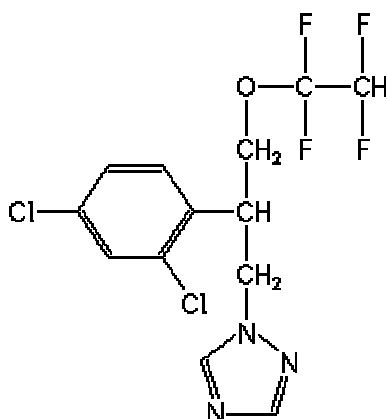
**Reference Items**

No certified reference items were used.

Name:	Tetrachlorvinphos
Lot Number:	35870
Certificate of:	
Purity:	99.0 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	

Test Items

Name:	Tetraconazole
Chemical name (IUPAC):	(RS)-2-(2,4-dichlorophenyl)-3-(1H-1,2,4-triazol-1-yl)propyl 1,1,2,2-tetrafluoroethyl ether
CAS-Registry-Number:	112281-77-3
Empirical formula:	C ₁₃ H ₁₁ Cl ₂ F ₄ N ₃ O
Molecular mass:	372.1
Chemical Structure:	

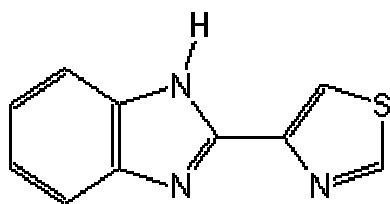
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	Tetraconazole
Lot Number:	30122
Certificate of:	07.04.03
Purity:	97.0 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.04.07

Test Items

Name:	Thiabendazol
Chemical name (IUPAC):	2-(thiazol-4-yl)benzimidazole or 2-(1,3-thiazol-4-yl)benzimidazole
CAS-Registry-Number:	148-79-8
Empirical formula:	C ₁₀ H ₇ N ₃ S
Molecular mass:	201.3
Chemical Structure:	

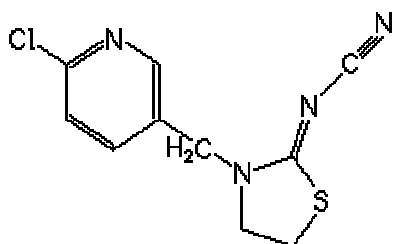
**Reference Items**

The certified reference items were supplied by Eurofins Analytik GmbH, Dr. Specht Laboratorien, D-21079 Hamburg.

Name:	Thiabendazol
Lot Number:	31117
Certificate of:	28.11.03
Purity:	99.0 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.11.07

Test Items

Name:	Thiacloprid
Chemical name (IUPAC):	(Z)-3-(6-chloro-3-pyridylmethyl)-1,3-thiazolidin-2-ylidenecyanamide
CAS-Registry-Number:	111988-49-9
Empirical formula:	C ₁₀ H ₉ ClN ₄ S
Molecular mass:	252.7
Chemical Structure:	

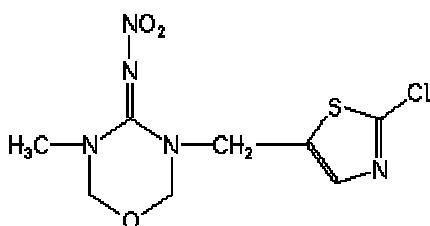
**Reference Items**

The certified reference items were supplied by Eurofins Analytik GmbH, Dr. Specht Laboratorien, D-21079 Hamburg.

Name:	Thiacloprid
Lot Number:	M28380
Certificate of:	13.11.02
Purity:	99.6 %
Storage at test facility:	≤ -18 °C under dark conditions
Expiry date:	30.11.06

Test Items

Name:	Thiamethoxam
Chemical name (IUPAC):	(EZ)-3-(2-chloro-1,3-thiazol-5-ylmethyl)-5-methyl-1,3,5-oxadiazinan-4-ylidene(nitro)amine
CAS-Registry-Number:	153719-23-4
Empirical formula:	C ₈ H ₁₀ ClN ₅ O ₃ S
Molecular mass:	291.7
Chemical Structure:	

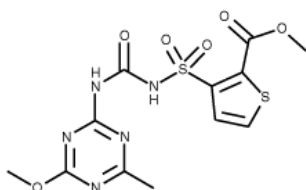
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	Thiamethoxam
Lot Number:	10718
Certificate of:	16.08.01
Purity:	98.0 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.08.05

Test Items

Name:	Thifensulfuron-methyl
Chemical name (IUPAC):	methyl [3-(4-methoxy-6-methyl-1,3,5-triazin-2-yl)carbamoylsulfamoyl]thiophen]-2-carboxylate
CAS-Registry-Number:	79277-27-3
Empirical formula:	C ₁₂ H ₁₃ N ₅ O ₆ S ₂
Molecular mass:	387.4
Chemical Structure:	

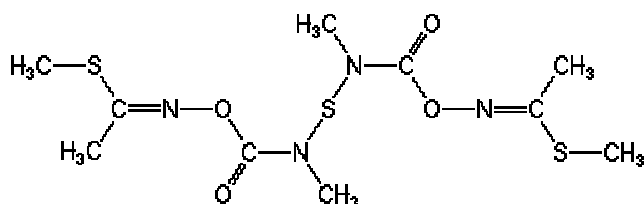
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	Thifensulfuron-methyl
Lot Number:	30227
Certificate of:	26.03.03
Purity:	98.0 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.03.07

Test Items

Name:	Thiodicarb
Chemical name (IUPAC):	3,7,9,13-tetramethyl-5,11-dioxa-2,8,14-trithia-4,7,9,12-tetraazapentadeca-3,12-diene-6,10-dione
CAS-Registry-Number:	59669-26-0
Empirical formula:	C ₁₀ H ₁₈ N ₄ O ₄ S ₃
Molecular mass:	354.5
Chemical Structure:	

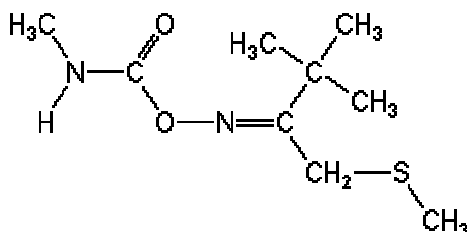
**Reference Items**

The certified reference items were supplied by Eurofins Analytik GmbH, Dr. Specht Laboratorien, D-21079 Hamburg.

Name:	Thiodicarb
Lot Number:	9134X
Certificate of:	04.06.99
Purity:	99.2 %
Storage at test facility:	≤ -18 °C under dark conditions
Expiry date:	14.05.04

Test Items

Name:	Thiofanox
Chemical name (IUPAC):	3,3-dimethyl-1-methylthiobutanone O-methylcarbamoyloxime or (EZ)-1-(2,2-dimethyl-1-methylthiomethylpropylideneamino-oxy)-N-methylformamide
CAS-Registry-Number:	39196-18-4
Empirical formula:	C ₉ H ₁₈ N ₂ O ₂ S
Molecular mass:	218.3
Chemical Structure:	

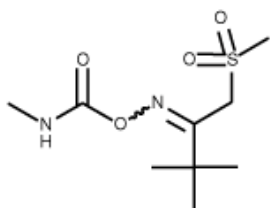
**Reference Items**

No certified reference items were used.

Name:	Thiofanox
Lot Number:	EA 109 P6
Certificate of:	
Purity:	99.7 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	

Test Items

Name:	Thiofanox-sulfon
Chemical name (IUPAC):	3,3-dimethyl-1-(methylsulfonyl)-2-butanone-O-methylcarbamoyloxime
CAS-Registry-Number:	39184-59-3
Empirical formula:	C ₉ H ₁₈ N ₂ O ₄ S
Molecular mass:	250.3
Chemical Structure:	

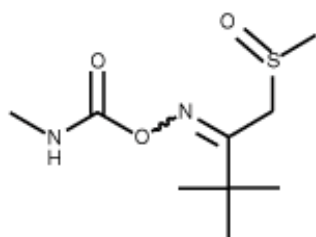
**Reference Items**

The certified reference items were supplied by Eurofins Analytik GmbH, Dr. Specht Laboratorien, D-21079 Hamburg.

Name:	Thiofanox-sulfon
Lot Number:	9340X
Certificate of:	21.12.99
Purity:	99.7 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	06.12.01

Test Items

Name:	Thiofanox-sulfoxid
Chemical name (IUPAC):	3,3-dimethyl-1-(methylsulfinyl)-2-butanone-O-methylcarbamoyloxime
CAS-Registry-Number:	39184-27-5
Empirical formula:	C ₉ H ₁₈ N ₂ O ₃ S
Molecular mass:	234.3
Chemical Structure:	

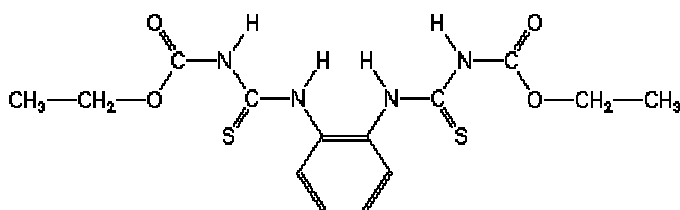
**Reference Items**

The certified reference items were supplied by Eurofins Analytik GmbH, Dr. Specht Laboratorien, D-21079 Hamburg.

Name:	Thiofanox-sulfoxid
Lot Number:	30714
Certificate of:	14.07.03
Purity:	98.0 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.07.07

Test Items

Name: **Thiophanate (-ethyl)**
Chemical name (IUPAC): diethyl 4,4'-(o-phenylene)bis(3-thioallophanate)
CAS-Registry-Number: 23564-06-9
Empirical formula: C₁₄H₁₈N₄O₄S₂
Molecular mass: 370.4
Chemical Structure:

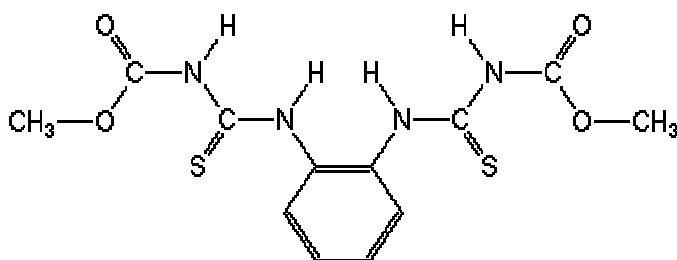
**Reference Items**

No certified reference items were used.

Name: **Thiophanate (-ethyl)**
Lot Number:
Certificate of:
Purity: 99.0 %
Storage at test facility: ≤-18 °C under dark conditions
Expiry date:

Test Items

Name:	Thiophanat-methyl
Chemical name (IUPAC):	dimethyl 4,4'-(o-phenylene)bis(3-thioallophanate)
CAS-Registry-Number:	23564-05-8
Empirical formula:	C ₁₂ H ₁₄ N ₄ O ₄ S ₂
Molecular mass:	342.4
Chemical Structure:	

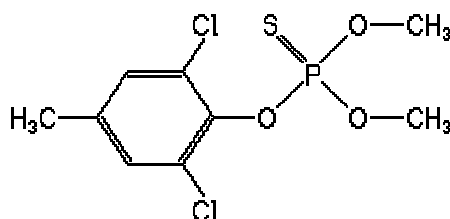
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	Thiophanat-methyl
Lot Number:	30117
Certificate of:	28.01.03
Purity:	97.7 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.01.07

Test Items

Name:	Tolclofos-methyl
Chemical name (IUPAC):	O-2,6-dichloro-p-tolyl O,O-dimethyl phosphorothioate
CAS-Registry-Number:	57018-04-9
Empirical formula:	C ₉ H ₁₁ Cl ₂ O ₃ PS
Molecular mass:	301.1
Chemical Structure:	

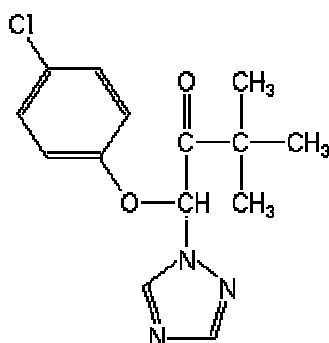
**Reference Items**

The certified reference items were supplied by Eurofins Analytik GmbH, Dr. Specht Laboratorien, D-21079 Hamburg.

Name:	Tolclofos-methyl
Lot Number:	C040608G
Certificate of:	10.09.04
Purity:	100.0 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	02.08.07

Test Items

Name:	Triadimefon
Chemical name (IUPAC):	(RS)-1-(4-chlorophenoxy)-3,3-dimethyl-1-(1H-1,2,4-triazol-1-yl)butan-2-one
CAS-Registry-Number:	43121-43-3
Empirical formula:	C ₁₄ H ₁₆ ClN ₃ O ₂
Molecular mass:	293.8
Chemical Structure:	

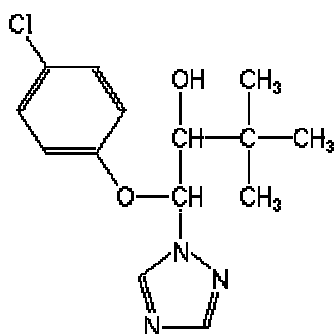
**Reference Items**

The certified reference items were supplied by Eurofins Analytik GmbH, Dr. Specht Laboratorien, D-21079 Hamburg.

Name:	Triadimefon
Lot Number:	920427ELB02
Certificate of:	05.11.02
Purity:	99.8 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	31.10.12

Test Items

Name:	Triadimenol
Chemical name (IUPAC):	(1RS,2RS;1RS,2SR)-1-(4-chlorophenoxy)-3,3-dimethyl-1-(1H-1,2,4-triazol-1-yl)butan-2-ol
CAS-Registry-Number:	55219-65-3
Empirical formula:	C ₁₄ H ₁₈ ClN ₃ O ₂
Molecular mass:	295.8
Chemical Structure:	

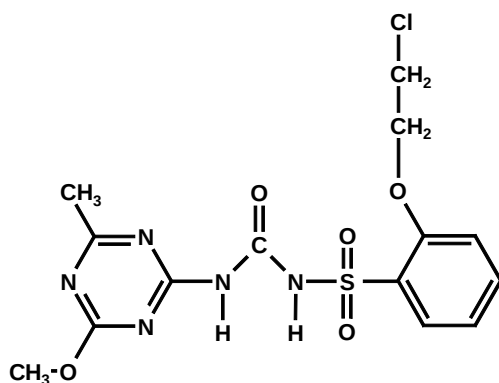
**Reference Items**

The certified reference items were supplied by Eurofins Analytik GmbH, Dr. Specht Laboratorien, D-21079 Hamburg.

Name:	Triadimenol
Lot Number:	940627ELB04
Certificate of:	25.03.02
Purity:	98.3 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	31.03.06

Test Items

Name:	Triasulfuron
Chemical name (IUPAC):	1-[2-(2-chloroethoxy)phenylsulfonyl]-3-(4-methoxy-6-methyl-1,3,5-triazin-2-yl)urea
CAS-Registry-Number:	82097-50-5
Empirical formula:	C ₁₄ H ₁₆ ClN ₅ O ₅ S
Molecular mass:	401.8
Chemical Structure:	

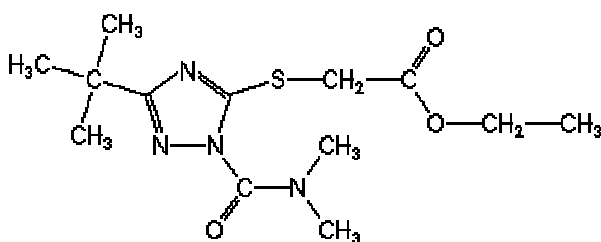
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	Triasulfuron
Lot Number:	10710
Certificate of:	20.07.01
Purity:	99.0 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.09.05

Test Items

Name: **Triazamate**
Chemical name (IUPAC): ethyl (3-tert-butyl-1-dimethylcarbamoyl-1H-1,2,4-triazol-5-ylthio)acetate
CAS-Registry-Number: 112143-82-5
Empirical formula: C₁₃H₂₂N₄O₃S
Molecular mass: 314.4
Chemical Structure:

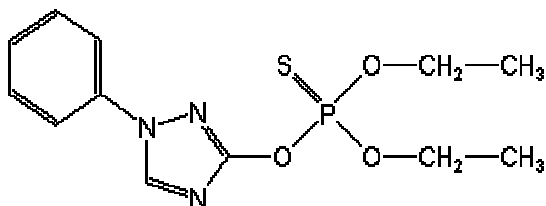
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name: **Triazamate**
Lot Number: 30423CY
Certificate of: 24.04.03
Purity: 100.0 %
Storage at test facility: ≤-18 °C under dark conditions
Expiry date: 01.04.06

Test Items

Name:	Triazophos
Chemical name (IUPAC):	O,O-diethyl O-1-phenyl-1H-1,2,4-triazol-3-yl phosphorothioate
CAS-Registry-Number:	24017-47-8
Empirical formula:	C ₁₂ H ₁₆ N ₃ O ₃ PS
Molecular mass:	313.3
Chemical Structure:	

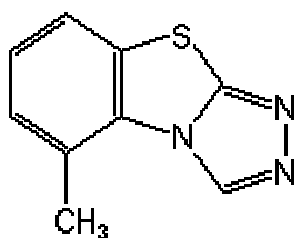
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	Triazophos
Lot Number:	80223
Certificate of:	27.03.98
Purity:	87.0 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.03.01

Test Items

Name:	Tricyclazole
Chemical name (IUPAC):	5-methyl-1,2,4-triazolo[3,4-b][1,3]benzothiazole
CAS-Registry-Number:	41814-78-2
Empirical formula:	C ₉ H ₇ N ₃ S
Molecular mass:	189.2
Chemical Structure:	

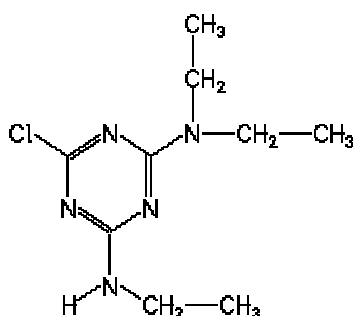
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	Tricyclazole
Lot Number:	40524
Certificate of:	27.05.04
Purity:	99.0 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.05.10

Test Items

Name:	Trietazine
Chemical name (IUPAC):	6-chloro-N2,N2,N4-triethyl-1,3,5-triazine-2,4-diamine
CAS-Registry-Number:	1912-26-1
Empirical formula:	C ₉ H ₁₆ ClN ₅
Molecular mass:	229.7
Chemical Structure:	

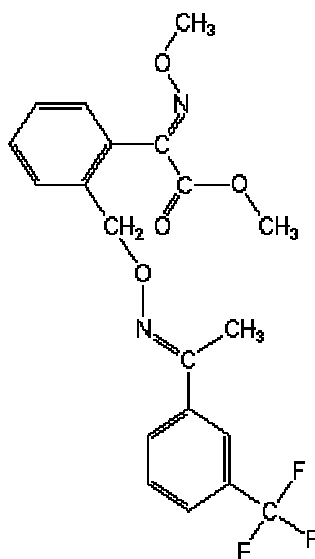
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	Trietazine
Lot Number:	20315
Certificate of:	25.04.02
Purity:	98.0 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.04.08

Test Items

Name:	Trifloxystrobin
Chemical name (IUPAC):	methyl (E)-methoxyimino-{(E)-a-[1-(a,a,a-trifluoro-m-tolyl)ethylideneaminoxy]-o-tolyl}acetate
CAS-Registry-Number:	141517-21-7
Empirical formula:	C ₂₀ H ₁₉ F ₃ N ₂ O ₄
Molecular mass:	408.4
Chemical Structure:	

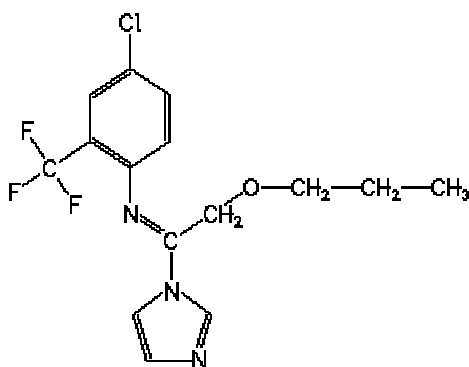
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	Trifloxystrobin
Lot Number:	20906
Certificate of:	12.09.02
Purity:	99.0 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.09.06

Test Items

Name:	Triflumizole
Chemical name (IUPAC):	(E)-4-chloro-a,a,a-trifluoro-N-(1-imidazol-1-yl-2-propoxyethylidene)-o-toluidine
CAS-Registry-Number:	68694-11-1
Empirical formula:	C ₁₅ H ₁₅ ClF ₃ N ₃ O
Molecular mass:	345.7
Chemical Structure:	

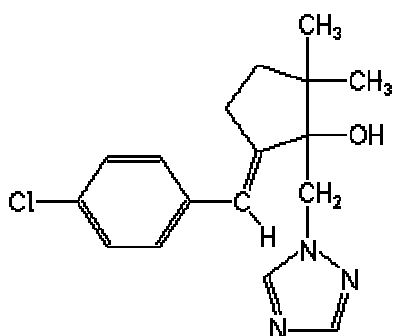
**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	Triflumizole
Lot Number:	31202
Certificate of:	16.12.03
Purity:	99.0 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.12.09

Test Items

Name:	Triticonazole
Chemical name (IUPAC):	(RS)-(E)-5-(4-chlorobenzylidene)-2,2-dimethyl-1-(1H-1,2,4-triazol-1-ylmethyl)cyclopentanol
CAS-Registry-Number:	131983-72-7
Empirical formula:	C ₁₇ H ₂₀ ClN ₃ O
Molecular mass:	317.8
Chemical Structure:	

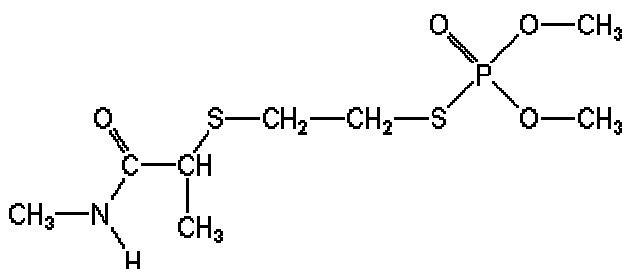
**Reference Items**

No certified reference items were used.

Name:	Triticonazole
Lot Number:	
Certificate of:	
Purity:	99.9 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	

Test Items

Name:	Vamidothion
Chemical name (IUPAC):	O,O-dimethyl S-(RS)-2-(1-methylcarbamoylthio)ethyl phosphorothioate or (RS)-2-(2-dimethoxyphosphinoethylthio)-N-methylpropionamide
CAS-Registry-Number:	2275-23-2
Empirical formula:	C ₈ H ₁₈ NO ₄ PS ₂
Molecular mass:	287.3
Chemical Structure:	

**Reference Items**

The certified reference items were supplied by BfR, D-14195 Berlin.

Name:	Vamidothion
Lot Number:	10129
Certificate of:	04.05.01
Purity:	99.0 %
Storage at test facility:	≤-18 °C under dark conditions
Expiry date:	01.04.05

Test Method

Active substances and metabolites of pesticides were analysed by liquid chromatography with tandem mass spectrometric detection (LC-MS/MS) by direct injection of fortified drinking water.

Limit of quantitation (LOQ): 0.1 µg/L for each test item

Limit of detection (LOD): 0.03 µg/L for each test item

Solvent and Chemicals

The solvents and chemicals used in the present validation study are listed below. Equivalent reagents and supplies from other manufacturers may be used as well.

HPLC water, (from Riedel de Haan)

Purified water, prepared by using a Milli-Q water purification system (Millipore, Germany).

Methanol, residue grade (Merck, Germany)

Ammonium formate, analytical grade (Sigma-Aldrich, Germany)

Apparatus and equipment

The apparatus and equipment used in the present validation study are listed below. Equivalent apparatus and equipment from other manufacturers may be used as well.

Liquid chromatograph: Agilent 1100 system, equipped with G1322A degasser, G1312A binary pump, G1313A autosampler, and G1316A column oven (Agilent Technologies, Germany).

Analytical column: Aqua, 5 µm, C18, 125 Å, 50x2 mm (Phenomenex, Germany).

MS/MS system.— Applied Biosystems API 4000 triple-quadrupole mass spectrometer (Applied Biosystems, Germany) equipped with a TurboIonSpray interface (electrospray ionization; ESI).

Sample preparation

The water sample was filled into a vial. The 15 µl methanol were added and the vial was capped. Then the run of the sample started at LC-MS/MS in MRM mode.

Analysis by LC-MS/MS**LC Conditions**

Instrument	Agilent 1100 system with binary pump
Autosampler	G 1329A
Column	Phenomenex Aqua 125 mm
Injection volume	100 µL

Oven Temperature	20 °C
Flow	0.2 mL/min
Mobile Phase	A water–methanol (80 + 20) +5mM ammonium formate
	B water–methanol (10 + 90) +5mM ammonium formate
Separation mode	Gradient Elution

Total Time (min)	A (%)	B (%)
0	100	0
11	0	100
23	0	100
38	100	0

MS/MS Conditions

Detector	triple-quadrupole mass spectrometer API 4000
	Analyst 1.4.1
Interface	Electrospray, TurboIonSpray
	Temperature: 400 °C
Scan Type	positive mode

A simultaneous sensitive recording of 300 analytes with two transitions per analyte (600 transitions in total) was not possible. Therefore, all 300 compounds were analysed within two runs using time windows (periods). Therefore, analytes were separated into 7 periods, 3 and 4 periods per run, respectively.

Analyt	Run	Period	1. MRM		2. MRM	
			MRM transition	Dwell time [ms]	MRM transition	Dwell time [ms]
3.4.5-Trimetacarb	1	3	194→137	5	194→122	5
3-Hydroxycarbofuran	1	2	238→163	5	238→181	60
5-Hydroxy-clethodim-sulfon	2	1	408→204	100	408→176	100
5-Hydroxy-thiabendazol	1	2	218→191	5	218→147	15
6-Chlor-3-phenyl-pyridazin-4-ol (Pyridate-Metabolit)	2	1	207→104	30	207→77	25
Acephate	1	1	184→143	5	184→125	200
Acetamiprid	1	2	223→126	5	223→90	5
Alachlor	1	3	270→238	50	270→162	25
Aldicarb	1	2	208→89	100	208→116	5
Aldicarb-sulfoxid	1	1	207→89	5	207→132	5
Aldoxycarb	1	1	240→148	5	240→86	5
Alloxydim	2	2	334→178	5	334→234	5

Analyt	Run	Period	1. MRM		2. MRM	
			MRM transition	Dwell time [ms]	MRM transition	Dwell time [ms]
Ametryn	1	3	228→186	5	228→96	5
Amidosulfuron	2	1	370→261	5	370→218	100
Aminocarb	2	2	209→137	5	209→152	5
Atrazin	2	2	216→174	5	216→104	15
Atrazine-2-hydroxy	1	2	198→156	5	198→69	40
Atrazine-desethyl	1	2	188→146	5	188→104	40
Atrazine-desethyl-2-hydroxy	1	1	170→128	200	170→86	200
Azaconazole	1	3	300→159	5	300→231	15
Azamethiphos	2	2	325→183	5	325→139	15
Azinphos-ethyl	1	3	346→132	5	346→160	15
Azinphos-methyl	1	3	318→132	5	318→160	15
Azoxystrobin	1	3	404→372	5	404→344	5
Benalaxyl	2	3	326→148	5	326→208	5
Bendiocarb	2	2	224→167	5	224→109	5
Benzoximate	2	3	364→199	5	364→105	5
Bitertanol	2	3	338→70	15	338→269	25
Boscalid	1	3	343→307	15	343→140	25
Bromacil	2	2	261→205	100	261→188	25
Bromuconazole	1	3	378→159	15	378→70	25
Bupirimate	2	3	317→166	5	317→108	5
Buprofezin	2	3	306→201	5	306→116	5
Butocarboxim	1	2	208→75	15	208→116	5
Butocarboxim-sulfoxid	1	1	207→75	5	207→132	5
Butoxycarboxim	1	1	223→166	5	240→106	5
Buturon	1	3	237→84	5	237→126	5
Butylate	2	3	218→57	50	218→156	25
Carbaryl	2	2	202→145	5	202→127	5
Carbendazim	1	2	192→160	5	192→132	5
Carbetamide	1	2	237→192	5	237→118	5
Carbofuran	2	2	222→165	5	222→123	5
Carboxin	2	2	236→143	5	236→87	5
Carfentrazone-ethyl	2	3	412→346	5	412→366	15
Chlorbromuron	1	3	293→204	5	293→182	15
Chlorfenvinphos	2	3	359→155	5	359→99	5
Chloridazon	1	2	222→104	5	222→92	60
Chlorimuron-ethyl	2	2	415→186	5	415→121	25
Chlorotoluron	2	2	213→72	5	213→140	15
Chloroxuron	1	3	291→72	5	291→218	25
Chlorpyrifos	1	4	350→97	100	350→198	5
Chlorsulfuron	1	2	358→141	15	358→167	15

Analyt	Run	Period	1. MRM		2. MRM	
			MRM transition	Dwell time [ms]	MRM transition	Dwell time [ms]
Chlorthiophos	1	4	361→305	30	361→333	15
Cinosulfuron	1	2	414→183	5	414→215	25
Clethodim	1	3	360→164	15	360→268	25
Clethodim-imin-sulfon	1	2	302→98	15	302→208	5
Clethodim-sulfon	1	2	392→208	15	392→164	15
Clodinafop-propargyl	2	3	350→266	5	350→91	5
Clofentezine	2	3	303→138	5	303→102	15
Clomazone	1	3	240→125	5	240→89	5
Cloquintocet-mexyl	1	4	336→238	5	336→192	100
Coumaphos	2	3	363→227	5	363→307	5
Cyanazine	2	2	241→214	100	241→104	15
Cyanofenphos	2	3	304→157	15	304→276	15
Cyazofamid	2	3	325→108	5	325→261	15
Cycloate	2	3	216→134	15	216→154	15
Cycloxydim	1	3	326→280	15	326→180	15
Cymoxanil	1	2	199→128	200	199→111	60
Cyproconazole	1	3	292→125	15	292→70	15
Cyprodinil	2	3	226→93	15	226→77	25
Cyromazine	1	1	167→125	100	167→108	200
Demeton-S-methyl	2	2	248→89	200	248→61	25
Demeton-S-methyl-sulfon	2	1	263→169	5	263→109	50
Desmethylformamido-pirimicarb	2	2	253→72	5	253→225	15
Desmethyl-pirimicarb	1	2	225→72	5	225→168	5
Di-allate	2	3	270→86	15	270→109	25
Diazinon	2	3	305→169	5	305→97	15
Dichlorvos	2	2	221→109	5	221→127	15
Diclobutrazol	2	3	328→70	5	328→160	25
Dicrotophos	2	1	238→112	5	238→127	100
Diethofencarb	1	3	268→226	5	268→180	5
Difenoconazole	2	3	406→251	5	406→337	15
Difenoxyuron	1	3	287→123	5	287→72	5
Diflufenican	2	3	395→266	5	395→246	25
Dimefuron	1	3	339→167	5	339→256	5
Dimethachlor	1	3	256→224	5	256→148	5
Dimethenamide	1	3	276→244	5	276→168	5
Dimethoate	1	2	230→199	5	230→125	60
Dimethomorph	1	3	388→301	5	388→165	15
Dimetilan	1	2	241→72	5	241→196	5
Diniconazole	2	3	326→70	15	326→159	25

Analyt	Run	Period	1. MRM		2. MRM	
			MRM transition	Dwell time [ms]	MRM transition	Dwell time [ms]
Disulfoton	2	3	275→89	15	275→61	25
Diuron	2	2	233→72	5	233→160	25
Dodemorph	1	4	282→116	5	282→98	5
Epoxiconazole	2	3	330→121	5	330→101	5
Eptc	2	3	190→128	50	190→86	25
Ethametsulfuron-methyl	1	2	411→196	5	411→168	5
Ethidimuron	1	2	265→208	5	265→114	5
Ethiofencarb	2	2	226→107	5	226→164	5
Ethiofencarbsulfon	2	1	275→107	5	275→201	5
Ethiofencarbsulfoxid	2	1	242→107	5	242→185	5
Ethion	1	4	385→199	5	385→171	5
Ethirimol	1	3	210→140	5	210→98	15
Ethofumesate	1	3	304→121	200	304→161	25
Ethoprophos	1	3	243→131	5	243→97	5
Etofenprox	1	4	394→177	30	394→107	15
Etrimfos	2	3	293→125	5	293→265	5
Famoxadone	2	3	392→331	5	392→238	25
Fenamiphos	2	3	304→217	5	304→202	5
Fenarimol	1	3	331→268	5	331→81	25
Fenbuconazole	2	3	337→125	5	337→70	15
Fenfuram	2	2	202→109	5	202→120	15
Fenhexamid	1	3	302→97	15	302→55	25
Fenothiocarb	2	3	254→160	25	254→72	15
Fenoxaprop-ethyl	2	3	362→288	5	362→121	15
Fenoxycarb	2	3	302→88	5	302→116	5
Fenpropathrin	1	4	350→125	30	350→97	25
Fenpropidin	1	3	274→147	5	274→117	5
Fenpropimorph	1	4	304→147	5	304→117	5
Fenpyroximate	1	4	422→366	5	422→135	25
Fenthion	2	3	279→169	15	279→247	15
Fenuron	2	1	165→72	5	165→120	100
Flamprop-isopropyl	2	3	364→105	5	364→77	25
Flamprop-methyl	1	3	336→105	5	336→77	5
Flazasulfuron	1	2	408→182	5	408→227	25
Florasulam	1	2	360→129	5	360→192	40
Fluazifop (free acid)	2	2	328→282	100	328→254	15
Fluazifop-butyl	2	3	384→282	5	384→328	5
Flufenacet	1	3	364→152	5	364→194	5
Fluometuron	2	2	233→72	5	233→160	25
Flupyrsulfuron-methyl sodium	1	2	466→182	5	466→139	40

Analyt	Run	Period	1. MRM		2. MRM	
			MRM transition	Dwell time [ms]	MRM transition	Dwell time [ms]
Fluquinconazole	1	3	376→349	15	376→307	25
Fluridone	1	3	330→310	5	330→259	5
Fluroxypyr-meptyl	1	4	367→255	100	367→209	200
Flurtamone	1	3	334→247	5	334→178	5
Flusilazole	2	3	316→247	5	316→165	5
Flutolanil	1	3	324→262	5	324→242	5
Flutriafol	2	2	302→123	15	302→109	25
Fonofos	2	3	247→109	15	247→137	5
Fosthiazate	2	2	284→104	5	284→228	5
Fuberidazole	2	2	185→157	5	185→65	25
Furathiocarb	2	3	383→195	5	383→252	5
Halosulfuron-methyl	1	2	435→182	5	435→83	25
Haloxyfop-etotyl	2	3	434→316	5	434→288	15
Haloxyfop-methyl	2	3	376→316	5	376→288	25
Heptenophos	1	3	251→127	50	251→109	25
Hexaconazole	2	3	314→70	5	314→159	25
Hexazinone	2	2	253→171	5	253→71	5
Hexythiazox	1	4	353→228	5	353→168	5
Imazalil	2	3	297→159	15	297→201	15
Imidacloprid	2	1	256→209	5	256→175	50
Iodosulfuron-methyl	1	2	508→167	15	508→141	25
Iprodione	2	3	330→143	50	330→101	25
Iprovalicarb	1	3	321→119	5	321→203	15
Isazofos	1	3	314→120	5	314→162	15
Isofenphos	2	3	346→217	15	346→245	5
Isoprothiolane	1	3	291→189	15	291→231	5
Isoproturon	2	2	207→165	100	207→72	5
Isoxadifen-ethyl	2	3	313→232	15	313→204	25
Isoxathion	2	3	314→105	5	314→170	5
Kresoxim-methyl	2	3	314→116	5	314→206	5
Lenacil	2	2	235→153	5	235→136	25
Linuron	1	3	249→160	50	249→182	5
Malaoxon	2	2	315→127	5	315→99	5
Malathion	1	3	331→127	5	331→99	5
MCPA-Butotyl	2	3	318→227	15	318→101	15
Mecarbam	1	3	330→227	5	330→97	5
Mepanipyrim	1	3	224→106	5	224→77	25
Mesosulfuron-methyl	1	2	504→182	5	504→83	15
Metalaxyl	2	2	280→220	5	280→160	5
Metamitron	1	2	203→175	100	203→104	40
Metazachlor	2	2	278→134	5	278→210	5

Analyt	Run	Period	1. MRM		2. MRM	
			MRM transition	Dwell time [ms]	MRM transition	Dwell time [ms]
Metconazole	2	3	320→70	5	320→125	25
Methabenzthiazuron	2	2	222→165	5	222→150	5
Methfuroxam	1	3	230→137	5	230→111	5
Methidathion	1	3	303→145	5	303→85	5
Methiocarb	1	3	243→169	5	226→121	5
Methomyl	2	1	163→88	5	163→106	100
Methoxyfenozide	1	3	369→149	5	369→133	25
Metobromuron	2	2	259→170	5	259→148	5
Metolachlor	1	3	284→252	5	284→176	25
Metosulam	2	2	418→175	5	418→140	5
Metoxuron	1	2	229→72	5	229→156	40
Metribuzin	2	2	215→187	100	215→84	15
Metsulfuron-methyl	2	1	382→167	5	382→199	100
Mevinphos	1	2	225→127	5	225→193	60
Molinate	1	3	188→126	5	188→83	25
Monocrotophos	2	1	224→127	5	224→98	5
Monolinuron	2	2	215→126	5	215→148	5
Monuron	2	2	199→72	100	199→126	15
Myclobutanil	1	3	289→70	15	289→125	15
Napropamide	1	3	272→129	200	272→171	25
Neburon	2	3	275→88	5	275→114	5
Nitenpyram	1	1	271→126	100	271→237	200
Norfluazuron-desmethyl	2	2	290→270	5	290→160	25
Nuarimol	1	3	315→252	5	315→81	25
Ofurace	2	2	282→160	5	282→254	5
Omethoat	1	1	214→125	5	214→109	100
Oxadixyl	1	2	279→219	5	279→133	60
Oxamyl	1	1	237→72	100	237→90	100
Oxasulfuron	1	2	407→150	5	407→107	15
Oxycarboxin	1	2	268→175	200	268→147	60
Paclobutrazol	1	3	294→70	5	294→125	15
Paraoxon-methyl	1	2	248→202	5	248→109	60
Penconazole	2	3	284→159	5	284→70	5
Pencycuron	2	3	329→125	5	329→99	15
Pendimethalin	1	4	282→212	100	282→194	200
Phenthoate	2	3	321→163	15	321→79	5
Phorat-sulfoxid	2	2	277→199	5	277→143	5
Phosalone	2	3	368→182	5	368→111	5
Phosmet	1	3	318→133	5	318→160	25
Phosphamidon	1	2	300→127	5	300→174	5
Phoxim	2	3	299→129	5	299→77	5

Analyt	Run	Period	1. MRM		2. MRM	
			MRM transition	Dwell time [ms]	MRM transition	Dwell time [ms]
Picoxystrobin	2	3	368→145	5	368→205	5
Pirimicarb	2	2	239→72	5	239→182	5
Pirimiphos-ethyl	2	3	334→198	5	334→182	5
Pirimiphos-methyl	2	3	306→164	5	306→108	5
Prochloraz	2	3	376→308	5	376→266	5
Profenofos	2	3	373→303	5	373→97	25
Promecarb	1	3	208→109	5	208→151	5
Prometon	1	3	226→142	5	226→184	5
Prometryne	1	3	242→158	5	242→200	5
Propachlor	2	2	212→170	5	212→94	5
Propamocarb	2	1	189→102	100	189→144	100
Propaquizafop	2	3	444→100	5	444→299	25
Propargite	1	4	368→231	5	368→175	25
Propazin-2-hydroxy	2	2	212→128	5	212→170	5
Propazine	1	3	230→146	5	230→188	5
Propetamphos	1	3	282→138	5	282→156	15
Propham	2	2	180→138	100	180→120	25
Propiconazole	2	3	342→159	5	342→69	25
Propoxur	2	2	210→111	5	210→168	5
Propyzamide	1	3	256→190	5	256→173	15
Prosulfocarb	2	3	252→91	5	252→128	5
Prosulfuron	2	2	420→141	15	420→167	15
Pymetrozin	2	1	218→105	5	218→79	100
Pyraclostrobin	2	3	388→194	5	388→163	5
Pyraflufen-ethyl	2	3	413→339	5	413→253	25
Pyrazophos	2	3	374→222	5	374→194	5
Pyridaben	1	4	365→147	5	365→309	5
Pyridaphenthion	1	3	341→189	5	341→205	5
Pyrifenox	2	3	295→93	5	295→263	25
Pyrimethanil	1	3	200→107	5	200→82	25
Pyriproxyfen	1	4	322→96	5	322→185	15
Quinalphos	2	3	299→147	5	299→163	15
Quinmerac	2	1	222→204	5	222→141	5
Quinoclamine	2	2	208→105	15	208→77	25
Quinoxifen	1	4	308→197	5	308→162	100
Quizalofop-ethyl	2	3	373→299	5	373→271	5
Rimsulfuron	2	1	432→182	100	432→325	50
Rotenone	2	3	395→213	5	395→192	15
Sebuthylazine	1	3	230→174	5	230→104	15
Sebuthylazine-desethyl	2	2	202→146	5	202→104	15
Sethoxydim	1	3	328→178	5	328→282	15

Analyt	Run	Period	1. MRM		2. MRM	
			MRM transition	Dwell time [ms]	MRM transition	Dwell time [ms]
Siduron	1	3	233→137	5	233→94	5
Simazine	2	2	202→132	5	202→124	5
Simazine-2-hydroxy	2	1	184→114	5	184→69	50
Simetryn	2	2	214→124	5	214→144	5
Spiroxamine	2	3	298→144	5	298→100	5
Sulfometuron-methyl	1	2	365→150	5	365→107	25
Sulfosulfuron	1	2	471→211	5	471→261	25
Sulfotep	2	3	323→115	5	323→97	5
Sulprofos	1	4	323→219	5	323→247	25
Tebuconazol	2	3	308→70	5	308→125	15
Tebufenozid	2	3	353→133	5	353→297	5
Tebufenpyrad	2	3	334→117	5	334→145	5
Tebutam	1	3	234→91	5	234→192	15
Tebuthiuron	2	2	229→172	5	229→116	5
Tepraloxydim	2	2	342→250	5	342→166	15
Terbacil	2	2	217→161	200	217→144	25
Terbufos	2	3	289→103	15	289→57	25
Terbumeton	1	3	226→170	5	226→114	5
Terbuthyazine-2-hydroxy	2	2	212→156	5	212→114	15
Terbuthyazine-desethyl	2	2	202→146	5	202→104	15
Terbuthylazine	1	3	230→174	5	230→104	15
Terbutryn	1	3	242→186	5	242→68	5
Tetrachlorvinphos	2	3	367→127	5	367→241	25
Tetraconazole	1	3	372→159	5	372→70	25
Thiabendazol	2	2	202→175	5	202→131	15
Thiacloprid	1	2	253→126	5	253→186	5
Thiamethoxam	2	1	292→211	100	292→181	100
Thifensulfuron-methyl	2	1	388→167	100	388→205	100
Thiodicarb	2	2	355→88	5	355→108	5
Thiofanox	2	2	219→57	15	219→61	25
Thiofanox-sulfon	2	1	268→57	100	268→76	50
Thiofanox-sulfoxid	2	1	252→104	100	252→57	50
Thiophanate (-ethyl)	1	3	371→151	5	371→325	15
Thiophanat-methyl	2	2	343→151	5	343→192	25
Tolclofos-methyl	2	3	301→175	15	301→269	25
Triadimefon	1	3	294→197	5	294→225	5
Triadimenol	1	3	296→70	50	296→227	25
Triasulfuron	1	2	402→167	5	402→141	5
Triazamate	1	3	315→226	5	315→72	5
Triazophos	1	3	314→162	5	314→119	5

Analyt	Run	Period	1. MRM		2. MRM	
			MRM transition	Dwell time [ms]	MRM transition	Dwell time [ms]
Tricyclazole	1	2	190→163	5	190→136	15
Trietazine	1	3	230→132	5	230→99	15
Trifloxystrobin	2	3	409→186	5	409→206	5
Triflumizole	2	3	346→278	5	346→73	5
Triticonazole	1	3	318→70	5	318→125	25
Vamidothion	1	2	288→146	5	288→118	5

Calibration

The analyte concentration was determined by external standardisation using calibration curves. The calibration solutions were prepared in HPLC water with content of 1 % methanol. Each analytical series comprised calibration solutions at six different concentrations at least. In order to establish the calibration functions, the peak areas were plotted against the concentrations. The regression curves were calculated using Excel worksheets.

Usually the detector exhibited a linear response (81 %) covering two orders of magnitude (0.03 to 5 ng/ml). In some cases the response was represented by a quadratic function (19 %).

Examples of calibration curves are shown in Annex II.

Validation

Control

Prior to the preparation of the recovery specimens, two control specimens will be analysed by single injection to investigate the presence/level of residues of the test items.

This specimen material will be used for recovery determinations only if its blank values do not exceed 30 % of the limit of quantitation (LOQ).

Standard solution

Appropriate calibration solutions were slotted in between the samples, so that in general every third injection consisted in a calibration injection.

Recoveries

Each five recovery determinations for both fortification levels (LOQ and 10 x LOQ) for all test items will be performed by single injection.

Test System	Fortification Level of each Test Item		Number of Analyses per Test System
	LOQ (0.1 µg/L)	10 x LOQ (1.0 µg/L)	
Drinking water	5	5	10

For each fortification level, mean recoveries shall be in the range of 70 - 120 % with a relative standard deviation of ≤ 20 %.

Results

Recovery experiments were conducted by fortification of untreated control samples with standard stock solutions at 0.1 µg/L and 1 µg/L level. The single recovery rates, the mean recovery, and the relative standard deviations were listed in Annex I for all analytes.

More information about the tested analytes are available in the web (<http://www.bfr.bund.de/cd/5831>).

Conclusion

The multi-residue enforcement method for determination pesticide residues in drinking water was successfully validated for 159 analytes. A limit of quantification of 0.1 µg/L was achieved for quantitation and confirmation. For each fortification level, mean recoveries were in the range of 70 - 120 % with a relative standard deviation of ≤ 20 %. For further 59 analytes the mean recovery or the relative standard deviation exceeded at least at one fortification level the acceptable range of 70 % to 120 % or 20 %, respectively.

A successful validation in both transitions was possible for 30 analytes only at the 1 µg/L fortification level. Seldom the acceptable range for the mean recovery of 70 % to 120 % or for the relative standard deviation of 20 % were exceeded.

For 34 analytes one transition was detectable at 0.1 µg/L fortification level the other one at the 1 µg/L level. Remaining 18 analytes were validated successfully only in one transition - twice at the 1 µg/L fortification level only. The acceptable range for the mean recovery of 70 % to 120 % or for the relative standard deviation of 20 % were often exceeded.

Annex I: Analytical Results for control and fortified samples**3.4.5-Trimetacarb**

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
194→137	0	nd; nd			2
	0.1	113; 121; nd*; 108; 112	114	5	4
	1	99; 106; 104; 103; 101	102	3	5
194→122	0	nd; nd			2
	0.1	87; 110; nd*; 99; 90	97	11	4
	1	99; 90; 102; 104; 104	100	6	5

3-Hydroxycarbofuran

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
238→163	0	nd; nd			2
	0.1	102; 102; nd*; 92; 101	99	5	4
	1	102; 103; 101; 104; 102	102	1	5
238→181	0	nd; nd			2
	0.1	105; 102; nd*; 108; 107	106	2	4
	1	99; 102; 103; 102; 96	100	3	5

5-Hydroxy-clethodim-sulfon

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
408→204	0	nd; 1			2
	0.1	140; 109; 123; 122; 112	121	10	5
	1	109; 109; 112; 106; 110	109	2	5
408→176	0	nd; nd			2
	0.1	116; 124; 110; 133; 121	121	7	5
	1	105; 117; 112; 111; 110	111	4	5

5-Hydroxy-thiabendazol

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
218→191	0	nd; nd			2
	0.1	173; 195; nd*; 198; 214	195	8	4
	1	93; 100; 100; 102; 100	99	4	5
218→147	0	nd; nd			2
	0.1	189; 196; nd*; 189; 218	198	7	4
	1	103; 109; 114; 107; 111	109	4	5

6-Chlor-3-phenyl-pyridazin-4-ol (Pyridate-Metabolit)

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
207→104	0	nd; nd			2
	0.1	112; 107; 110; 109; 109	109	1	5
	1	105; 107; 108; 109; 106	107	1	5
207→77	0	nd; nd			2
	0.1	nd; nd; nd; nd; nd	nd	nd	0
	1	nd; nd; nd; nd; nd	nd	nd	0

Acephate

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
184→143	0	nd; nd			2
	0.1	40; 45; nd*; 35; 35	39	12	4
	1	48; 53; 50; 52; 53	51	4	5
184→125	0	nd; 2			2
	0.1	53; 62; nd*; 55; 64	58	9	4
	1	59; 57; 60; 58; 59	59	2	5

Acetamiprid

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
223→126	0	nd; nd			2
	0.1	101; 100; nd*; 96; 92	97	4	4
	1	101; 115; 109; 112; 99	107	6	5
223→90	0	nd; 3			2
	0.1	114; 124; nd*; 119; 113	118	4	4
	1	101; 94; 106; 112; 100	103	7	5

Alachlor

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
270→238	0	nd; nd			2
	0.1	113; 122; nd*; 120; 108	116	6	4
	1	94; 100; 102; 105; 107	102	5	5
270→162	0	nd; nd			2
	0.1	132; 107; nd*; 108; 162	127	20	4
	1	98; 108; 114; 111; 108	108	6	5

Aldicarb

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
208→89	0	nd; nd			2
	0.1	95; 98; 96; 93; 98	96	3	5
	1	99; 97; 99; 98; 98	98	1	5
208→116	0	nd; nd			2
	0.1	93; 97; 90; 94; 98	96	3	5
	1	99; 97; 98; 96; 98	97	1	5

Aldicarb-sulfoxid

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
207→89	0	2; 3			2
	0.1	73; 83; nd*; 84; 84	81	6	4
	1	77; 80; 84; 80; 80	80	3	5
207→132	0	nd; nd			2
	0.1	84; 74; nd*; 86; 77	80	7	4
	1	84; 75; 82; 70; 73	77	8	5

Aldoxycarb

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
240→148	0	nd; nd			2
	0.1	90; 90; nd*; 87; 86	88	3	4
	1	87; 91; 86; 87; 89	88	2	5
240→86	0	nd; nd			2
	0.1	84; 77; nd*; 77; 85	81	5	4
	1	93; 90; 88; 83; 85	88	5	5

Alloxydim

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
334→178	0	1; 1			2
	0.1	77; 104; 106; 108; 79	95	16	5
	1	89; 103; 107; 104; 105	102	7	5
334→234	0	nd; nd			2
	0.1	103; 85; 94; 84; 81	89	10	5
	1	78; 105; 108; 102; 94	97	12	5

Ametryn

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
228→186	0	nd; nd			2
	0.1	102; 106; nd*; 106; 89	101	8	4
	1	102; 101; 101; 108; 99	102	3	5
228→96	0	nd; nd			2
	0.1	103; 81; nd*; 92; 91	92	10	4
	1	85; 98; 97; 102; 110	98	9	5

Amidosulfuron

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
370→261	0	nd; nd			2
	0.1	131; 122; 120; 141; 150	133	10	5
	1	121; 122; 118; 117; 116	119	2	5
370→218	0	nd; 8			2
	0.1	116; 152; 150; 136; 98	130	18	5
	1	97; 105; 119; 105; 117	109	8	5

Aminocarb

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
209→137	0	nd; nd			2
	0.1	116; 108; 101; 105; 105	107	5	5
	1	104; 102; 107; 111; 106	106	3	5
209→152	0	nd; nd			2
	0.1	109; 92; 115; 113; 108	108	9	5
	1	90; 97; 99; 103; 117	101	10	5

Atrazin

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
216→174	0	nd; nd			2
	0.1	115; 105; 122; 106; 97	109	9	5
	1	94; 99; 103; 98; 95	98	4	5
216→104	0	nd; nd			2
	0.1	114; 104; 133; 91; 92	107	16	5
	1	96; 103; 101; 101; 92	99	5	5

Atrazine-2-hydroxy

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
198→156	0	nd; nd			2
	0.1	109; 107; nd*; 103; 100	105	4	4
	1	103; 100; 104; 101; 108	103	3	5
198→69	0	nd; nd			2
	0.1	123; 114; nd*; 133; 105	119	10	4
	1	112; 109; 113; 103; 115	110	4	5

Atrazine-desethyl

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
188→146	0	nd; nd			2
	0.1	115; 113; nd*; 98; 101	107	8	4
	1	106; 109; 109; 109; 114	109	3	5
188→104	0	nd; nd			2
	0.1	108; 108; nd*; 110; 109	109	1	4
	1	104; 104; 97; 113; 109	105	6	5

Atrazine-desethyl-2-hydroxy

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
170→128	0	nd; nd			2
	0.1	86; 104; nd*; 91; 82	91	11	4
	1	109; 107; 109; 109; 100	107	4	5
170→86	0	nd; nd			2
	0.1	90; 89; nd*; 91; 87	89	2	4
	1	112; 109; 113; 112; 104	110	3	5

Azaconazole

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
300→159	0	nd; nd			2
	0.1	104; 124; nd*; 103; 104	109	9	4
	1	102; 104; 110; 101; 106	104	3	5
300→231	0	nd; nd			2
	0.1	119; 122; nd*; 133; 100	118	11	4
	1	99; 107; 103; 113; 142	113	15	5

Azamethiphos

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
325→183	0	nd; nd			2
	0.1	108; 114; 121; 114; 101	112	7	5
	1	101; 103; 95; 107; 108	103	5	5
325→139	0	nd; nd			2
	0.1	100; 118; 97; 100; 98	103	8	5
	1	98; 110; 101; 103; 108	104	5	5

Azinphos-ethyl

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
346→132	0	nd; nd			2
	0.1	85; 110; nd*; 108; 96	100	12	4
	1	101; 105; 103; 110; 103	104	3	5
346→160	0	nd; nd			2
	0.1	116; 139; nd*; 131; 98	121	15	4
	1	93; 103; 102; 101; 103	100	4	5

Azinphos-methyl

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
318→132	0	nd; nd			2
	0.1	130; 95; nd*; 139; 104	117	18	4
	1	142; 103; 114; 103; 119	116	14	5
318→160	0	5; nd			2
	0.1	130; 101; nd*; 114; 77	105	21	4
	1	100; 117; 118; 112; 101	109	8	5

Azoxystrobin

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
404→372	0	nd; nd			2
	0.1	117; 109; nd*; 114; 106	112	4	4
	1	102; 99; 101; 105; 94	100	4	5
404→344	0	nd; nd			2
	0.1	129; 164; nd*; 129; 136	140	12	4
	1	89; 93; 117; 107; 101	101	11	5

Benalaxyl

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
326→148	0	nd; nd			2
	0.1	131; 116; 136; 108; 114	121	10	5
	1	103; 106; 103; 109; 108	106	3	5
326→208	0	nd; nd			2
	0.1	103; 131; 123; 121; 110	118	10	5
	1	96; 98; 102; 107; 103	101	4	5

Bendiocarb

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
224→167	0	nd; nd			2
	0.1	103; 105; 99; 99; 107	103	4	5
	1	98; 106; 107; 104; 104	104	4	5
224→109	0	nd; nd			2
	0.1	156; 105; 133; 106; 111	122	18	5
	1	105; 108; 114; 98; 112	107	6	5

Benzoximate

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
364→199	0	nd; 1			2
	0.1	137; 92; 131; 131; 114	121	15	5
	1	93; 108; 111; 107; 112	106	7	5
364→105	0	nd; nd			2
	0.1	100; 96; 110; 112; 92	102	8	5
	1	91; 99; 101; 105; 96	98	5	5

Bitertanol

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
338→70	0	nd; nd			2
	0.1	124; 133; 115; 116; 111	119	7	5
	1	100; 111; 111; 119; 97	107	8	5
338→269	0	nd; nd			2
	0.1	82; 98; 108; 73; 99	92	15	5
	1	119; 109; 107; 114; 97	109	8	5

Boscalid

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
343→307	0	nd; nd			2
	0.1	119; 108; nd*; 104; 102	108	7	4
	1	99; 102; 104; 105; 102	102	2	5
343→140	0	nd; nd			2
	0.1	118; 119; nd*; 109; 111	114	4	4
	1	102; 107; 105; 104; 108	105	2	5

Bromacil

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
261→205	0	1; nd			2
	0.1	106; 104; 109; 109; 102	106	3	5
	1	99; 98; 102; 102; 102	100	2	5
261→188	0	nd; nd			2
	0.1	103; 79; 94; 97; 78	90	13	5
	1	95; 104; 98; 110; 98	101	6	5

Bromuconazole

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
378→159	0	nd; nd			2
	0.1	130; 104; nd*; 138; 115	122	12	4
	1	99; 107; 106; 99; 113	105	6	5
378→70	0	nd; nd			2
	0.1	82; 135; nd*; 140; 105	115	24	4
	1	94; 101; 85; 99; 91	94	7	5

Bupirimate

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
317→166	0	1; nd			2
	0.1	127; 107; 113; 123; 98	113	10	5
	1	103; 118; 110; 112; 109	110	5	5
317→108	0	nd; 3			2
	0.1	125; 121; 121; 131; 108	121	7	5
	1	112; 107; 110; 117; 114	112	3	5

Buprofezin

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
306→201	0	15; 13			2
	0.1	119; 111; 121; 116; 91	112	11	5
	1	116; 124; 122; 121; 111	119	4	5
306→116	0	nd; nd			2
	0.1	198; 149; 145; 156; 152	160	14	5
	1	123; 126; 125; 126; 120	124	2	5

Butocarboxim

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
208→75	0	nd; nd			2
	0.1	102; 122; 91; 111; 99	109	9	5
	1	96; 98; 94; 104; 101	99	4	5
208→116	0	nd; nd			2
	0.1	113; 101; 109; 125; 105	111	9	5
	1	101; 103; 99; 99; 106	102	3	5

Butocarboxim-sulfoxid

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
207→75	0	nd; nd			2
	0.1	79; 74; nd*; 86; 77	79	6	4
	1	84; 76; 82; 70; 73	77	8	5
207→132	0	nd; nd			2
	0.1	90; 73; nd*; 80; 65	77	13	4
	1	87; 71; 78; 76; 79	78	7	5

Butoxycarboxim

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
223→166	0	4; nd			2
	0.1	89; 76; nd*; 119; 81	91	21	4
	1	83; 87; 76; 78; 71	79	8	5
240→106	0	nd; nd			2
	0.1	nd; nd; nd*; nd; 167	nd	nd	1
	1	88; 73; 99; 105; 57	84	23	5

Buturon

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
237→84	0	nd; nd			2
	0.1	103; 89; nd*; 116; 105	103	11	4
	1	136; 130; 137; 130; 128	132	3	5
237→126	0	nd; nd			2
	0.1	95; 124; nd*; 90; 89	99	16	4
	1	118; 120; 123; 125; 120	121	2	5

Butylate

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
218→57	0	nd; nd			2
	0.1	117; 108; 123; 116; 110	115	5	5
	1	89; 104; 99; 100; 96	98	6	5
218→156	0	nd; nd			2
	0.1	109; 106; 138; 92; 107	110	15	5
	1	91; 103; 103; 109; 101	101	6	5

Carbaryl

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
202→145	0	nd; nd			2
	0.1	121; 101; 95; 100; 90	102	12	5
	1	99; 104; 109; 104; 99	103	4	5
202→127	0	nd; nd			2
	0.1	105; 70; 101; 93; 93	92	15	5
	1	94; 112; 107; 110; 104	105	7	5

Carbendazim

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
192→160	0	1; 1			2
	0.1	92; 103; nd*; 97; 95	96	5	4
	1	135; 131; 136; 138; 140	136	2	5
192→132	0	2; nd			2
	0.1	90; 97; nd*; 97; 102	96	5	4
	1	134; 138; 139; 133; 143	137	3	5

Carbetamide

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
237→192	0	nd; nd			2
	0.1	120; 89; nd*; 96; 92	99	14	4
	1	100; 136; 108; 108; 105	112	13	5
237→118	0	nd; nd			2
	0.1	93; 107; nd*; 110; 88	100	11	4
	1	100; 97; 102; 113; 105	103	6	5

Carbofuran

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
222→165	0	nd; nd			2
	0.1	107; 103; 102; 86; 80	96	12	5
	1	105; 92; 107; 104; 111	104	7	5
222→123	0	nd; nd			2
	0.1	91; 98; 96; 94; 85	93	5	5
	1	100; 97; 99; 102; 95	99	3	5

Carboxin

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
236→143	0	nd; nd			2
	0.1	105; 101; 100; 100; 89	99	6	5
	1	103; 104; 101; 103; 91	101	5	5
236→87	0	nd; nd			2
	0.1	100; 102; 119; 100; 90	102	10	5
	1	100; 105; 98; 99; 97	100	3	5

Carfentrazone-ethyl

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
412→346	0	nd; nd			2
	0.1	115; 106; 121; 109; 89	108	11	5
	1	95; 109; 120; 112; 112	110	8	5
412→366	0	nd; nd			2
	0.1	131; 108; 148; 116; 141	129	13	5
	1	89; 105; 110; 106; 106	103	8	5

Chlorbromuron

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
293→204	0	nd; nd			2
	0.1	105; 145; nd*; 114; 114	119	15	4
	1	94; 110; 97; 107; 113	104	8	5
293→182	0	nd; nd			2
	0.1	140; 121; nd*; 93; 114	117	17	4
	1	79; 91; 75; 105; 107	92	16	5

Chlorfenvinphos

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
359→155	0	nd; nd			2
	0.1	130; 120; 148; 125; 112	127	10	5
	1	98; 109; 106; 101; 103	104	4	5
359→99	0	nd; nd			2
	0.1	125; 130; 121; 151; 172	140	15	5
	1	99; 110; 113; 104; 103	106	5	5

Chloridazon

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
222→104	0	nd; nd			2
	0.1	110; 111; nd*; 105; 103	107	4	4
	1	95; 97; 99; 95; 102	98	3	5
222→92	0	nd; nd			2
	0.1	110; 98; nd*; 108; 105	105	5	4
	1	94; 117; 90; 101; 97	100	11	5

Chlorimuron-ethyl

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
415→186	0	nd; nd			2
	0.1	106; 93; 98; 104; 102	100	5	5
	1	101; 103; 114; 120; 106	109	7	5
415→121	0	nd; nd			2
	0.1	122; 110; 78; 94; 115	104	17	5
	1	154; 96; 98; 84; 91	105	27	5

Chlorotoluron

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
213→72	0	nd; nd			2
	0.1	111; 90; 114; 113; 95	105	11	5
	1	99; 103; 106; 104; 103	103	2	5
213→140	0	nd; nd			2
	0.1	134; 112; 117; 125; 105	118	10	5
	1	103; 101; 93; 99; 109	101	6	5

Chloroxuron

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
291→72	0	1; nd			2
	0.1	118; 106; nd*; 104; 101	107	7	4
	1	103; 100; 110; 99; 110	104	5	5
291→218	0	nd; nd			2
	0.1	185; 157; nd*; 119; 117	144	22	4
	1	100; 105; 112; 104; 118	108	6	5

Chlorpyrifos

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
350→97	0	10; 7			2
	0.1	105; 105; nd*; 102; 87	100	9	4
	1	130; 142; 142; 145; 138	139	4	5
350→198	0	9; 7			2
	0.1	132; 110; nd*; 116; 77	109	21	4
	1	110; 139; 135; 140; 123	129	10	5

Chlorsulfuron

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
358→141	0	nd; nd			2
	0.1	121; 123; nd*; 124; 112	120	5	4
	1	111; 101; 105; 104; 104	105	3	5
358→167	0	nd; nd			2
	0.1	107; 135; nd*; 135; 109	122	13	4
	1	106; 113; 128; 133; 119	120	9	5

Chlorthiophos

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
361→305	0	nd; nd			2
	0.1	140; 112; nd*; 138; 102	123	15	4
	1	109; 117; 110; 115; 102	110	5	5
361→333	0	nd; nd			2
	0.1	188; 154; nd*; 126; 113	145	23	4
	1	103; 120; 110; 119; 100	110	8	5

Cinosulfuron

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
414→183	0	nd; nd			2
	0.1	114; 94; nd*; 101; 126	109	13	4
	1	99; 102; 102; 117; 104	105	7	5
414→215	0	nd; 5			2
	0.1	106; 85; nd*; 116; 94	100	14	4
	1	99; 92; 101; 101; 103	99	4	5

Clethodim

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
360→164	0	nd; nd			2
	0.1	117; 119; nd*; 129; 104	117	9	4
	1	103; 95; 100; 103; 98	100	3	5
360→268	0	nd; nd			2
	0.1	104; 118; nd*; 128; 102	113	11	4
	1	110; 104; 102; 101; 100	103	4	5

Clethodim-imin-sulfon

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
302→98	0	nd; nd			2
	0.1	136; 150; nd*; 126; 120	133	10	4
	1	96; 107; 104; 101; 100	102	4	5
302→208	0	nd; nd			2
	0.1	82; 108; nd*; 100; 129	105	19	4
	1	101; 105; 104; 105; 106	104	2	5

Clethodim-sulfon

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
392→208	0	nd; nd			2
	0.1	127; 149; nd*; 58; 127	115	35	4
	1	124; 160; 91; 115; 106	119	22	5
392→164	0	nd; nd			2
	0.1	66; 103; nd*; nd; nd	nd	nd	2
	1	64; 64; 27; 57; 101	63	42	5

Clodinafop-propargyl

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
350→266	0	nd; nd			2
	0.1	121; 72; 123; 111; 106	107	19	5
	1	92; 102; 107; 101; 97	100	6	5
350→91	0	2; 2			2
	0.1	107; 115; 117; 118; 100	111	7	5
	1	92; 96; 103; 110; 111	103	8	5

Clofentezine

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
303→138	0	nd; nd			2
	0.1	132; 133; 137; 123; 119	129	6	5
	1	92; 104; 115; 105; 103	104	8	5
303→102	0	nd; nd			2
	0.1	185; 105; 161; 136; 123	142	22	5
	1	100; 111; 116; 115; 119	112	7	5

Clomazone

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
240→125	0	nd; nd			2
	0.1	121; 127; nd*; 123; 102	119	10	4
	1	103; 111; 107; 136; 109	113	12	5
240→89	0	nd; nd			2
	0.1	103; 113; nd*; 112; 104	108	5	4
	1	87; 94; 90; 92; 83	89	5	5

Cloquintocet-mexyl

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
336→238	0	nd; 3			2
	0.1	196; 182; nd*; 188; 163	182	8	4
	1	102; 106; 110; 110; 95	105	6	5
336→192	0	nd; nd			2
	0.1	201; 182; nd*; 193; 170	186	7	4
	1	105; 115; 112; 115; 99	109	6	5

Coumaphos

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
363→227	0	nd; nd			2
	0.1	118; 121; 101; 106; 109	111	8	5
	1	86; 90; 94; 92; 87	90	4	5
363→307	0	nd; nd			2
	0.1	119; 111; 96; 111; 103	108	8	5
	1	101; 101; 108; 100; 98	102	4	5

Cyanazine

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
241→214	0	nd; nd			2
	0.1	115; 111; 114; 119; 106	113	4	5
	1	104; 101; 106; 111; 106	106	3	5
241→104	0	nd; nd			2
	0.1	117; 111; 110; 109; 89	107	10	5
	1	107; 99; 110; 119; 110	109	7	5

Cyanofenphos

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
304→157	0	nd; nd			2
	0.1	203; 150; 236; 168; 153	182	20	5
	1	82; 108; 101; 81; 94	93	13	5
304→276	0	18; 26			2
	0.1	130; 103; 106; 94; 121	111	13	5
	1	92; 89; 98; 86; 87	90	5	5

Cyazofamid

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
325→108	0	nd; 1			2
	0.1	111; 96; 112; 107; 108	107	6	5
	1	122; 128; 138; 140; 133	132	6	5
325→261	0	nd; nd			2
	0.1	106; 111; 106; 115; 135	115	10	5
	1	124; 135; 167; 139; 128	139	12	5

Cycloate

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
216→134	0	nd; nd			2
	0.1	175; 147; 172; 181; 147	165	10	5
	1	114; 114; 117; 124; 117	117	4	5
216→154	0	nd; nd			2
	0.1	120; 153; 100; 160; 112	129	20	5
	1	96; 110; 123; 118; 111	112	9	5

Cycloxydim

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
326→280	0	nd; nd			2
	0.1	114; 123; nd*; 111; 110	115	5	4
	1	94; 92; 100; 93; 102	96	5	5
326→180	0	nd; nd			2
	0.1	106; 117; nd*; 97; 110	107	8	4
	1	101; 98; 107; 100; 101	101	3	5

Cymoxanil

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
199→128	0	nd; nd			2
	0.1	107; 114; nd*; 108; 105	109	4	4
	1	106; 107; 109; 111; 111	109	2	5
199→111	0	nd; nd			2
	0.1	118; 99; nd*; 130; 109	114	12	4
	1	106; 111; 107; 110; 112	109	2	5

Cyproconazole

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
292→125	0	nd; nd			2
	0.1	98; 115; nd*; 114; 102	107	8	4
	1	99; 103; 106; 109; 104	104	4	5
292→70	0	nd; nd			2
	0.1	106; 104; nd*; 141; 103	113	16	4
	1	107; 106; 106; 110; 107	107	1	5

Cyprodinil

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
226→93	0	6; nd			2
	0.1	109; 96; 99; 96; 98	99	5	5
	1	96; 103; 107; 107; 106	104	5	5
226→77	0	5; nd			2
	0.1	109; 122; 127; 121; 112	118	7	5
	1	100; 98; 110; 108; 104	104	5	5

Cyromazine

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
167→125	0	nd; 4			2
	0.1	62; 61; nd*; 68; 56	62	7	4
	1	79; 84; 83; 84; 84	83	2	5
167→108	0	2; nd			2
	0.1	77; 73; nd*; 79; 72	75	4	4
	1	83; 83; 85; 82; 86	84	2	5

Demeton-S-methyl

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
248→89	0	nd; nd			2
	0.1	79; 198; 119; 74; 91	112	46	5
	1	115; 96; 99; 92; 106	102	9	5
248→61	0	nd; nd			2
	0.1	106; 106; 70; 35; 133	90	42	5
	1	108; 65; 98; 84; 127	96	25	5

Demeton-S-methyl-sulfon

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
263→169	0	nd; nd			2
	0.1	94; 110; 88; 100; 92	97	9	5
	1	98; 101; 99; 103; 106	101	3	5
263→109	0	nd; nd			2
	0.1	111; 96; 80; 107; 130	105	18	5
	1	97; 120; 97; 100; 103	103	9	5

Desmethylformamido-pirimicarb

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
253→72	0	nd; nd			2
	0.1	133; 102; 113; 86; 105	108	16	5
	1	94; 98; 102; 103; 106	101	5	5
253→225	0	nd; nd			2
	0.1	94; 100; 85; 99; 100	96	7	5
	1	92; 99; 108; 100; 101	100	6	5

Desmethyl-pirimicarb

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
225→72	0	nd; nd			2
	0.1	108; 116; nd*; 124; 107	114	7	4
	1	93; 91; 102; 102; 108	99	7	5
225→168	0	nd; nd			2
	0.1	77; 109; nd*; 93; 94	93	14	4
	1	97; 97; 96; 103; 102	99	3	5

Di-allate

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
270→86	0	nd; 5			2
	0.1	125; 122; 123; 142; 111	125	9	5
	1	96; 109; 120; 113; 110	109	8	5
270→109	0	nd; nd			2
	0.1	432; 95; 155; 34; 218	187	82	5
	1	85; 98; 102; 121; 114	104	13	5

Diazinon

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
305→169	0	nd; nd			2
	0.1	123; 113; 107; 124; 98	113	10	5
	1	95; 108; 106; 104; 103	103	5	5
305→97	0	nd; nd			2
	0.1	153; 115; 145; 116; 113	128	15	5
	1	109; 107; 109; 107; 102	107	3	5

Dichlorvos

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
221→109	0	nd; nd			2
	0.1	97; 93; 94; 100; 92	95	3	5
	1	98; 103; 104; 100; 101	101	2	5
221→127	0	nd; 7			2
	0.1	99; 51; 91; 93; 69	81	25	5
	1	90; 80; 115; 97; 96	96	13	5

Diclobutrazol

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
328→70	0	nd; nd			2
	0.1	133; 93; 111; 119; 114	114	13	5
	1	90; 95; 102; 103; 107	99	7	5
328→160	0	nd; nd			2
	0.1	70; nd; 88; 67; 11	nd	nd	4
	1	36; nd; nd; nd; nd	nd	nd	1

Dicrotophos

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
238→112	0	nd; nd			2
	0.1	104; 107; 105; 111; 116	109	4	5
	1	102; 100; 102; 101; 101	101	1	5
238→127	0	nd; nd			2
	0.1	95; 104; 74; 95; 100	94	12	5
	1	87; 83; 91; 96; 92	90	5	5

Diethofencarb

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
268→226	0	nd; nd			2
	0.1	117; 112; nd*; 109; 107	111	4	4
	1	125; 100; 99; 113; 102	108	11	5
268→180	0	nd; nd			2
	0.1	113; 93; nd*; 110; 111	107	9	4
	1	88; 99; 95; 95; 102	96	5	5

Difenoconazole

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
406→251	0	nd; 7			2
	0.1	145; 138; 125; 157; 129	139	9	5
	1	109; 124; 115; 118; 107	114	6	5
406→337	0	nd; 9			2
	0.1	188; 141; 149; 155; 183	163	13	5
	1	108; 117; 111; 117; 111	113	4	5

Difenoxuron

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
287→123	0	nd; nd			2
	0.1	118; 106; nd*; 103; 106	108	6	4
	1	110; 96; 95; 90; 91	96	8	5
287→72	0	nd; nd			2
	0.1	95; 86; nd*; 96; 77	89	10	4
	1	89; 95; 101; 99; 99	96	5	5

Diflufenican

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
395→266	0	nd; nd			2
	0.1	178; 192; 192; 174; 198	187	5	5
	1	133; 140; 134; 141; 139	137	3	5
395→246	0	nd; nd			2
	0.1	211; 220; 293; 204; 151	216	24	5
	1	122; 134; 145; 146; 130	135	8	5

Dimefuron

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
339→167	0	4; 3			2
	0.1	127; 92; nd*; 72; 98	97	23	4
	1	93; 95; 89; 101; 88	93	6	5
339→256	0	nd; nd			2
	0.1	82; 87; nd*; 79; 51	75	21	4
	1	77; 90; 94; 92; 90	89	7	5

Dimethachlor

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
256→224	0	nd; nd			2
	0.1	112; 116; nd*; 114; 105	112	5	4
	1	119; 107; 105; 110; 107	109	5	5
256→148	0	nd; nd			2
	0.1	100; 116; nd*; 118; 106	110	8	4
	1	89; 101; 105; 103; 101	100	6	5

Dimethenamide

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
276→244	0	nd; 2			2
	0.1	87; 112; nd*; 102; 102	101	10	4
	1	99; 100; 107; 104; 104	103	3	5
276→168	0	nd; nd			2
	0.1	98; 106; nd*; 112; 116	108	7	4
	1	96; 123; 108; 111; 100	108	10	5

Dimethoate

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
230→199	0	nd; nd			2
	0.1	103; 102; nd*; 102; 102	102	1	4
	1	99; 102; 106; 98; 99	101	3	5
230→125	0	nd; nd			2
	0.1	105; 91; nd*; 97; 114	102	10	4
	1	88; 96; 93; 93; 93	93	3	5

Dimethomorph

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
388→301	0	nd; nd			2
	0.1	85; 111; nd*; 119; 80	99	20	4
	1	112; 108; 108; 116; 119	113	5	5
388→165	0	nd; 2			2
	0.1	122; 136; nd*; 122; 105	121	11	4
	1	101; 103; 106; 111; 113	107	5	5

Dimetilan

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
241→72	0	nd; nd			2
	0.1	96; 96; nd*; 94; 90	94	3	4
	1	130; 119; 100; 101; 103	111	12	5
241→196	0	5; nd			2
	0.1	108; 110; nd*; 120; 126	116	7	4
	1	77; 100; 95; 115; 96	97	14	5

Diniconazole

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
326→70	0	nd; 7			2
	0.1	146; 101; 151; 152; 142	138	15	5
	1	126; 123; 123; 125; 126	125	1	5
326→159	0	nd; nd			2
	0.1	111; 75; 56; 75; 51	73	32	5
	1	90; 120; 140; 108; 96	111	18	5

Disulfoton

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
275→89	0	nd; nd			2
	0.1	209; 176; 155; 220; 156	183	16	5
	1	105; 117; 117; 113; 116	114	4	5
275→61	0	3; 3			2
	0.1	152; 182; 178; 194; 193	180	9	5
	1	107; 116; 123; 125; 122	119	6	5

Diuron

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
233→72	0	nd; nd			2
	0.1	112; 96; 103; 93; 107	102	8	5
	1	100; 102; 109; 103; 105	104	3	5
233→160	0	nd; nd			2
	0.1	105; 120; 106; 112; 74	103	17	5
	1	102; 110; 111; 106; 100	106	5	5

Dodemorph

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
282→116	0	nd; nd			2
	0.1	163; 165; nd*; 160; 142	158	7	4
	1	105; 111; 116; 118; 111	112	4	5
282→98	0	nd; nd			2
	0.1	174; 156; nd*; 186; 156	168	9	4
	1	113; 103; 116; 122; 117	114	6	5

Epoxiconazole

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
330→121	0	10; 9			2
	0.1	117; 98; 99; 102; 92	102	9	5
	1	124; 117; 122; 137; 133	126	7	5
330→101	0	5; nd			2
	0.1	112; 103; 110; 131; 115	114	9	5
	1	135; 126; 135; 129; 134	132	3	5

Eptc

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
190→128	0	1; nd			2
	0.1	102; 95; 100; 108; 101	101	5	5
	1	98; 108; 104; 106; 98	103	5	5
190→86	0	nd; nd			2
	0.1	107; 118; 118; 107; 106	111	6	5
	1	97; 105; 110; 111; 103	105	5	5

Ethametsulfuron-methyl

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
411→196	0	nd; nd			2
	0.1	119; 110; nd*; 101; 112	110	7	4
	1	104; 110; 111; 112; 113	110	3	5
411→168	0	1; nd			2
	0.1	134; 95; nd*; 94; 107	108	17	4
	1	84; 111; 105; 101; 113	103	11	5

Ethidimuron

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
265→208	0	nd; nd			2
	0.1	112; 101; nd*; 100; 88	101	10	4
	1	111; 107; 107; 91; 127	109	12	5
265→114	0	nd; nd			2
	0.1	149; 95; nd*; 150; 132	131	19	4
	1	95; 121; 119; 109; 102	109	10	5

Ethiofencarb

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
226→107	0	11; 8			2
	0.1	74; 85; 86; 92; 89	85	8	5
	1	100; 101; 106; 106; 104	103	3	5
226→164	0	nd; nd			2
	0.1	95; 77; 111; 93; 94	94	13	5
	1	91; 98; 97; 93; 96	95	3	5

Ethiofencarbsulfon

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
275→107	0	nd; nd			2
	0.1	110; 102; 111; 111; 99	107	5	5
	1	97; 107; 99; 109; 99	102	5	5
275→201	0	nd; nd			2
	0.1	64; 64; 60; 83; 114	77	29	5
	1	108; 102; 98; 93; 114	103	8	5

Ethiofencarbsulfoxid

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
242→107	0	nd; nd			2
	0.1	115; 99; 112; 94; 106	105	8	5
	1	117; 94; 102; 107; 102	104	8	5
242→185	0	nd; nd			2
	0.1	113; 102; 71; 108; 91	97	17	5
	1	90; 84; 93; 102; 111	96	11	5

Ethion

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
385→199	0	nd; nd			2
	0.1	176; 150; nd*; 158; 139	156	10	4
	1	118; 113; 124; 131; 113	120	6	5
385→171	0	3; nd			2
	0.1	165; 154; nd*; 149; 132	150	9	4
	1	112; 126; 136; 129; 118	125	7	5

Ethirimol

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
210→140	0	nd; nd			2
	0.1	109; 114; nd*; 105; 103	108	4	4
	1	93; 100; 100; 105; 100	100	4	5
210→98	0	nd; nd			2
	0.1	111; 119; nd*; 92; 100	105	11	4
	1	96; 102; 105; 105; 105	102	4	5

Ethofumesate

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
304→121	0	nd; nd			2
	0.1	113; 114; nd*; 115; 108	113	3	4
	1	102; 103; 107; 108; 110	106	3	5
304→161	0	nd; nd			2
	0.1	105; 148; nd*; 126; 111	123	16	4
	1	93; 97; 100; 104; 99	99	4	5

Ethoprophos

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
243→131	0	nd; nd			2
	0.1	115; 105; nd*; 113; 98	108	7	4
	1	90; 94; 103; 107; 105	100	7	5
243→97	0	nd; nd			2
	0.1	126; 129; nd*; 116; 89	115	16	4
	1	88; 95; 96; 106; 101	97	7	5

Etofenprox

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
394→177	0	27; 31			2
	0.1	125; 127; nd*; 97; 79	107	22	4
	1	73; 68; 75; 72; 59	69	9	5
394→107	0	nd; nd			2
	0.1	191; 154; nd*; 162; 106	153	23	4
	1	78; 72; 78; 73; 64	73	8	5

Etrinfos

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
293→125	0	nd; nd			2
	0.1	120; 111; 150; 134; 113	125	13	5
	1	97; 106; 110; 109; 114	107	6	5
293→265	0	nd; nd			2
	0.1	131; 113; 126; 144; 121	127	9	5
	1	91; 105; 106; 111; 110	105	8	5

Famoxadone

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
392→331	0	5; nd			2
	0.1	165; 95; 132; 115; 135	128	20	5
	1	156; 146; 136; 138; 133	142	7	5
392→238	0	6; 6			2
	0.1	131; 77; 105; 160; 131	121	26	5
	1	137; 132; 133; 113; 120	127	8	5

Fenamiphos

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
304→217	0	1; nd			2
	0.1	97; 95; 113; 105; 102	102	7	5
	1	126; 138; 137; 131; 140	134	4	5
304→202	0	1; 1			2
	0.1	102; 95; 96; 116; 93	100	9	5
	1	132; 138; 139; 134; 137	136	2	5

Fenarimol

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
331→268	0	34; 13			2
	0.1	73; 88; nd*; 92; 83	84	9	4
	1	89; 96; 100; 106; 95	97	6	5
331→81	0	nd; nd			2
	0.1	100; 101; nd*; 73; 128	101	22	4
	1	89; 104; 90; 94; 111	97	10	5

Fenbuconazole

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
337→125	0	nd; nd			2
	0.1	112; 103; 110; 92; 84	100	12	5
	1	101; 103; 105; 101; 94	101	4	5
337→70	0	nd; nd			2
	0.1	79; 107; 67; 95; 84	87	18	5
	1	100; 91; 104; 99; 81	95	9	5

Fenfuram

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
202→109	0	1; nd			2
	0.1	101; 90; 101; 97; 103	99	5	5
	1	95; 95; 101; 100; 107	100	5	5
202→120	0	nd; nd			2
	0.1	107; 87; 92; 108; 94	98	10	5
	1	94; 98; 95; 104; 100	98	4	5

Fenhexamid

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
302→97	0	nd; nd			2
	0.1	92; 102; nd*; 119; 104	104	11	4
	1	104; 101; 106; 113; 107	106	4	5
302→55	0	nd; 3			2
	0.1	116; 114; nd*; 125; 94	112	12	4
	1	94; 100; 97; 97; 102	98	3	5

Fenothiocarb

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
254→160	0	nd; nd			2
	0.1	121; 116; 126; 133; 104	120	9	5
	1	99; 104; 110; 110; 103	105	4	5
254→72	0	nd; nd			2
	0.1	105; 97; 94; 92; 78	93	10	5
	1	95; 96; 107; 106; 99	101	5	5

Fenoxaprop-ethyl

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
362→288	0	nd; 1			2
	0.1	127; 104; 114; 126; 99	114	11	5
	1	99; 99; 110; 105; 99	102	5	5
362→121	0	nd; nd			2
	0.1	113; 109; 144; 136; 109	122	13	5
	1	98; 101; 107; 107; 101	103	4	5

Fenoxycarb

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
302→88	0	nd; nd			2
	0.1	125; 111; 112; 106; 118	114	6	5
	1	104; 102; 99; 98; 102	101	2	5
302→116	0	1; 2			2
	0.1	111; 110; 104; 117; 106	110	4	5
	1	100; 98; 104; 103; 105	102	3	5

Fenpropathrin

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
350→125	0	nd; nd			2
	0.1	205; 202; nd*; 220; 163	197	12	4
	1	93; 85; 89; 89; 73	86	9	5
350→97	0	nd; nd			2
	0.1	85; 120; nd*; 78; 74	89	24	4
	1	81; 81; 78; 71; 74	77	6	5

Fenpropidin

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
274→147	0	nd; nd			2
	0.1	212; 203; nd*; 231; 157	201	16	4
	1	115; 116; 117; 127; 121	119	4	5
274→117	0	nd; nd			2
	0.1	204; 196; nd*; 182; 258	210	16	4
	1	118; 119; 127; 127; 127	124	4	5

Fenpropimorph

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
304→147	0	nd; nd			2
	0.1	276; 251; nd*; 262; 222	253	9	4
	1	111; 111; 121; 125; 118	117	5	5
304→117	0	nd; nd			2
	0.1	233; 273; nd*; 245; 240	248	7	4
	1	113; 115; 120; 132; 124	121	6	5

Fenpyroximate

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
422→366	0	nd; nd			2
	0.1	219; 300; nd*; 173; 266	240	23	4
	1	100; 77; 99; 96; 77	90	13	5
422→135	0	nd; nd			2
	0.1	nd; nd; nd*; nd; nd	nd	nd	0
	1	281; 56; 94; 131; nd	nd	nd	4

Fenthion

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
279→169	0	3; nd			2
	0.1	104; 93; 93; 93; 104	97	6	5
	1	98; 106; 106; 111; 102	105	4	5
279→247	0	nd; nd			2
	0.1	97; 92; 90; 87; 109	95	9	5
	1	101; 109; 113; 107; 106	107	4	5

Fenuron

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
165→72	0	0; 0			2
	0.1	106; 95; 101; 107; 98	101	5	5
	1	99; 100; 105; 102; 102	102	3	5
165→120	0	nd; nd			2
	0.1	59; 83; 53; 61; 68	65	18	5
	1	119; 116; 126; 112; 92	113	11	5

Flamprop-isopropyl

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
364→105	0	nd; 1			2
	0.1	149; 138; 142; 142; 135	141	4	5
	1	93; 100; 101; 101; 94	98	4	5
364→77	0	nd; nd			2
	0.1	158; 141; 147; 142; 129	143	7	5
	1	91; 102; 103; 107; 99	100	6	5

Flamprop-methyl

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
336→105	0	nd; nd			2
	0.1	128; 137; nd*; 124; 113	125	8	4
	1	92; 93; 120; 103; 100	102	11	5
336→77	0	nd; nd			2
	0.1	122; 97; nd*; 121; 122	115	11	4
	1	90; 94; 101; 99; 102	98	5	5

Flazasulfuron

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
408→182	0	nd; nd			2
	0.1	107; 111; nd*; 105; 104	107	3	4
	1	98; 101; 102; 106; 109	103	4	5
408→227	0	nd; nd			2
	0.1	93; 92; nd*; 72; 130	97	25	4
	1	92; 95; 93; 105; 99	97	6	5

Florasulam

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
360→129	0	nd; nd			2
	0.1	111; 145; nd*; 116; 110	121	14	4
	1	113; 113; 138; 111; 109	117	10	5
360→192	0	3; nd			2
	0.1	111; 123; nd*; 144; 95	118	18	4
	1	129; 124; 114; 122; 119	122	5	5

Fluazifop (free acid)

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
328→282	0	nd; nd			2
	0.1	112; 111; 119; 109; 104	111	5	5
	1	102; 101; 103; 105; 107	103	2	5
328→254	0	nd; nd			2
	0.1	104; 100; 150; 99; 114	113	19	5
	1	104; 101; 105; 104; 107	104	2	5

Fluazifop-butyl

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
384→282	0	3; nd			2
	0.1	184; 190; 214; 190; 149	186	12	5
	1	116; 117; 124; 119; 101	115	7	5
384→328	0	nd; nd			2
	0.1	205; 195; 193; 187; 158	188	9	5
	1	122; 125; 132; 125; 102	121	9	5

Flufenacet

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
364→152	0	nd; 2			2
	0.1	175; 99; nd*; 102; 78	113	37	4
	1	115; 138; 119; 102; 106	116	12	5
364→194	0	nd; nd			2
	0.1	112; 118; nd*; 130; 109	117	8	4
	1	91; 96; 102; 106; 105	100	7	5

Fluometuron

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
233→72	0	nd; nd			2
	0.1	120; 98; 97; 102; 99	103	9	5
	1	88; 99; 96; 107; 106	99	7	5
233→160	0	nd; nd			2
	0.1	111; 116; 71; 108; 102	102	17	5
	1	90; 104; 98; 87; 101	96	8	5

Flupyr-sulfuron-methyl sodium

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
466→182	0	2; 2			2
	0.1	133; 101; nd*; 108; 118	115	12	4
	1	100; 95; 112; 107; 100	103	7	5
466→139	0	nd; nd			2
	0.1	117; 119; nd*; 109; 86	108	14	4
	1	96; 103; 106; 100; 94	100	5	5

Fluquinconazole

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
376→349	0	nd; nd			2
	0.1	104; 108; nd*; 107; 91	103	8	4
	1	99; 110; 105; 107; 109	106	4	5
376→307	0	nd; nd			2
	0.1	156; 111; nd*; 89; 116	118	24	4
	1	102; 111; 102; 100; 100	103	4	5

Fluridone

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
330→310	0	nd; nd			2
	0.1	108; 112; nd*; 100; 100	105	6	4
	1	104; 97; 109; 104; 97	102	5	5
330→259	0	nd; 1			2
	0.1	98; 103; nd*; 87; 96	96	7	4
	1	103; 97; 105; 100; 113	104	6	5

Fluroxypyr-meptyl

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
367→255	0	nd; nd			2
	0.1	248; 264; nd*; 253; 207	243	10	4
	1	135; 134; 135; 136; 108	130	10	5
367→209	0	13; 11			2
	0.1	268; 264; nd*; 266; 192	247	15	4
	1	141; 133; 135; 133; 106	129	10	5

Flurtamone

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
334→247	0	nd; nd			2
	0.1	114; 99; nd*; 94; 108	104	9	4
	1	97; 89; 106; 106; 101	100	7	5
334→178	0	nd; nd			2
	0.1	92; 116; nd*; 104; 98	103	10	4
	1	140; 98; 112; 119; 115	117	13	5

Flusilazole

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
316→247	0	2; 5			2
	0.1	110; 93; 102; 126; 108	108	11	5
	1	124; 143; 138; 135; 125	133	6	5
316→165	0	3; 4			2
	0.1	103; 73; 101; 98; 94	94	13	5
	1	125; 128; 127; 142; 133	131	5	5

Flutolanil

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
324→262	0	nd; nd			2
	0.1	124; 123; nd*; 149; 109	126	13	4
	1	101; 114; 117; 111; 112	111	6	5
324→242	0	nd; nd			2
	0.1	124; 165; nd*; 97; 103	122	25	4
	1	91; 104; 119; 107; 106	105	10	5

Flutriafol

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
302→123	0	nd; 5			2
	0.1	101; 89; 88; 77; 104	92	12	5
	1	100; 108; 109; 109; 110	107	4	5
302→109	0	nd; nd			2
	0.1	98; 97; 82; 96; 93	93	7	5
	1	110; 114; 110; 112; 116	112	2	5

Fonofos

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
247→109	0	nd; 3			2
	0.1	123; 86; 112; 107; 112	108	13	5
	1	106; 104; 105; 104; 96	103	4	5
247→137	0	nd; 4			2
	0.1	104; 93; 113; 123; 152	117	19	5
	1	106; 94; 113; 111; 96	104	8	5

Fosthiazate

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
284→104	0	nd; nd			2
	0.1	114; 118; 108; 110; 115	113	3	5
	1	82; 98; 104; 105; 105	99	10	5
284→228	0	nd; nd			2
	0.1	81; 87; 82; 71; 73	79	9	5
	1	93; 99; 104; 111; 102	102	6	5

Fuberidazole

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
185→157	0	nd; nd			2
	0.1	112; 98; 105; 99; 98	102	6	5
	1	103; 100; 100; 94; 104	100	4	5
185→65	0	nd; nd			2
	0.1	106; 103; 106; 103; 105	105	1	5
	1	95; 96; 99; 99; 104	99	4	5

Furathiocarb

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
383→195	0	nd; 1			2
	0.1	154; 138; 168; 136; 134	146	10	5
	1	93; 103; 102; 102; 90	98	6	5
383→252	0	1; nd			2
	0.1	153; 121; 179; 145; 133	146	15	5
	1	97; 103; 112; 109; 97	104	7	5

Halosulfuron-methyl

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
435→182	0	nd; nd			2
	0.1	102; 107; nd*; 116; 112	109	6	4
	1	94; 110; 102; 98; 96	100	7	5
435→83	0	1; 3			2
	0.1	123; 133; nd*; 136; 97	122	14	4
	1	110; 111; 99; 109; 113	108	5	5

Haloxifop-etotyl

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
434→316	0	nd; nd			2
	0.1	178; 149; 158; 214; 153	170	16	5
	1	102; 110; 112; 106; 100	106	5	5
434→288	0	nd; nd			2
	0.1	nd; nd; nd; nd; nd	nd	nd	0
	1	76; 123; 123; 176; 103	120	31	5

Haloxypop-methyl

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
376→316	0	nd; nd			2
	0.1	288; 248; 266; 294; 265	272	7	5
	1	135; 139; 143; 146; 144	141	3	5
376→288	0	nd; nd			2
	0.1	194; 174; 248; 236; 211	212	14	5
	1	130; 144; 143; 152; 140	142	6	5

Heptenophos

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
251→127	0	nd; nd			2
	0.1	102; 109; nd*; 105; 100	104	4	4
	1	99; 99; 103; 104; 100	101	2	5
251→109	0	nd; nd			2
	0.1	103; 122; nd*; 106; 100	108	9	4
	1	95; 98; 107; 104; 106	102	5	5

Hexaconazole

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
314→70	0	5; nd			2
	0.1	126; 125; 117; 140; 95	121	14	5
	1	108; 104; 104; 112; 111	108	3	5
314→159	0	23; 14			2
	0.1	89; 133; 100; 81; 74	95	24	5
	1	95; 107; 95; 98; 89	96	7	5

Hexazinone

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
253→171	0	nd; nd			2
	0.1	105; 105; 110; 105; 101	105	3	5
	1	99; 120; 100; 104; 107	106	8	5
253→71	0	nd; nd			2
	0.1	113; 106; 97; 92; 111	104	9	5
	1	111; 96; 98; 108; 105	104	7	5

Hexythiazox

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
353→228	0	nd; nd			2
	0.1	121; 104; nd*; 124; 110	115	8	4
	1	100; 92; 108; 113; 99	102	8	5
353→168	0	4; nd			2
	0.1	114; 139; nd*; 136; 94	121	17	4
	1	101; 105; 121; 109; 102	108	7	5

Imazalil

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
297→159	0	8; 2			2
	0.1	86; 88; 84; 86; 82	85	3	5
	1	93; 97; 100; 100; 95	97	3	5
297→201	0	nd; nd			2
	0.1	128; 114; 150; 116; 93	120	17	5
	1	91; 96; 103; 98; 97	97	4	5

Imidacloprid

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
256→209	0	nd; nd			2
	0.1	106; 111; 104; 111; 99	107	5	5
	1	105; 107; 107; 109; 109	107	2	5
256→175	0	nd; 1			2
	0.1	109; 113; 124; 107; 110	112	6	5
	1	104; 107; 100; 125; 126	112	11	5

Iodosulfuron-methyl

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
508→167	0	2; nd			2
	0.1	119; 109; nd*; 113; 110	113	4	4
	1	111; 95; 101; 101; 103	102	6	5
508→141	0	7; 7			2
	0.1	114; 97; nd*; 63; 143	104	32	4
	1	100; 101; 112; 98; 99	102	6	5

Iprodione

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
330→143	0	nd; 104			2
	0.1	73; 145; 145; 172; 113	130	29	5
	1	89; 88; 123; 101; 104	101	14	5
330→101	0	nd; 23			2
	0.1	9; 36; 11; 37; 10	21	71	5
	1	183; 70; 192; 71; 151	133	45	5

Iprovalicarb

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
321→119	0	nd; nd			2
	0.1	116; 109; nd*; 97; 102	106	8	4
	1	102; 101; 105; 109; 109	105	4	5
321→203	0	nd; nd			2
	0.1	97; 100; nd*; 102; 98	99	2	4
	1	91; 92; 102; 108; 104	99	7	5

Isazofos

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
314→120	0	nd; nd			2
	0.1	130; 120; nd*; 158; 122	132	13	4
	1	105; 112; 107; 113; 107	109	3	5
314→162	0	nd; nd			2
	0.1	150; 112; nd*; 109; 103	119	18	4
	1	111; 104; 101; 106; 110	107	4	5

Isofenphos

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
346→217	0	2; 1			2
	0.1	126; 120; 126; 126; 122	124	2	5
	1	104; 116; 115; 116; 109	112	5	5
346→245	0	nd; 1			2
	0.1	147; 137; 176; 125; 114	140	17	5
	1	110; 104; 109; 122; 113	112	6	5

Isoprothiolane

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
291→189	0	nd; 9			2
	0.1	108; 173; nd*; 126; 93	125	28	4
	1	79; 88; 94; 89; 100	90	9	5
291→231	0	nd; nd			2
	0.1	102; 114; nd*; 116; 107	110	6	4
	1	97; 105; 105; 108; 106	104	4	5

Isoproturon

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
207→165	0	nd; nd			2
	0.1	99; 99; 107; 98; 97	100	4	5
	1	99; 101; 103; 104; 101	102	2	5
207→72	0	nd; nd			2
	0.1	108; 96; 103; 113; 108	106	6	5
	1	96; 102; 104; 113; 108	105	6	5

Isoxadifen-ethyl

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
313→232	0	nd; 2			2
	0.1	146; 115; 125; 129; 114	126	10	5
	1	112; 107; 120; 119; 118	115	5	5
313→204	0	nd; nd			2
	0.1	120; 127; 116; 129; 111	120	6	5
	1	107; 104; 122; 118; 119	114	7	5

Isoxathion

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
314→105	0	nd; nd			2
	0.1	114; 96; 104; 107; 114	107	7	5
	1	95; 99; 112; 108; 101	103	7	5
314→170	0	4; 2			2
	0.1	119; 110; 113; 103; 96	108	8	5
	1	90; 101; 109; 111; 102	102	8	5

Kresoxim-methyl

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
314→116	0	3; nd			2
	0.1	107; 74; 139; 97; 94	102	23	5
	1	93; 89; 106; 108; 106	100	9	5
314→206	0	nd; nd			2
	0.1	126; 131; 126; 117; 103	121	9	5
	1	99; 93; 103; 101; 104	100	4	5

Lenacil

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
235→153	0	1; nd			2
	0.1	98; 105; 99; 107; 103	102	4	5
	1	97; 95; 99; 100; 100	98	2	5
235→136	0	nd; nd			2
	0.1	88; 69; 78; 118; 107	92	22	5
	1	97; 108; 106; 108; 99	104	5	5

Linuron

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
249→160	0	nd; nd			2
	0.1	102; 112; nd*; 116; 106	109	6	4
	1	100; 102; 104; 108; 108	104	3	5
249→182	0	nd; nd			2
	0.1	87; 108; nd*; 88; 93	94	10	4
	1	115; 108; 114; 113; 104	111	4	5

Malaoxon

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
315→127	0	nd; nd			2
	0.1	115; 103; 107; 117; 112	111	5	5
	1	86; 107; 100; 113; 84	98	13	5
315→99	0	nd; nd			2
	0.1	110; 134; 108; 101; 75	106	20	5
	1	99; 105; 109; 95; 103	102	5	5

Malathion

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
331→127	0	nd; nd			2
	0.1	119; 121; nd*; 120; 115	119	2	4
	1	106; 97; 96; 95; 97	98	5	5
331→99	0	6; 6			2
	0.1	8; 7; nd*; 5; 9	7	19	4
	1	59; 74; 83; 70; 75	72	12	5

MCPA-Butotyl

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
318→227	0	5; nd			2
	0.1	150; 158; 142; 155; 126	146	9	5
	1	106; 116; 123; 118; 119	116	6	5
318→101	0	8; 8			2
	0.1	149; 147; 186; 137; 109	146	19	5
	1	104; 108; 121; 117; 111	112	6	5

Mecarbam

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
330→227	0	nd; nd			2
	0.1	128; 139; nd*; 119; 107	123	11	4
	1	107; 112; 119; 120; 115	114	5	5
330→97	0	nd; 4			2
	0.1	140; 98; nd*; 139; 95	118	21	4
	1	110; 110; 115; 121; 103	112	6	5

Mepanipyrin

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
224→106	0	nd; nd			2
	0.1	120; 112; nd*; 103; 113	112	6	4
	1	101; 102; 106; 108; 110	105	4	5
224→77	0	3; 4			2
	0.1	100; 118; nd*; 116; 97	108	10	4
	1	91; 99; 100; 106; 107	101	6	5

Mesosulfuron-methyl

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
504→182	0	nd; nd			2
	0.1	109; 100; nd*; 100; 101	103	4	4
	1	97; 102; 98; 102; 105	101	3	5
504→83	0	3; 6			2
	0.1	95; 97; nd*; 100; 98	98	2	4
	1	100; 106; 106; 103; 102	103	2	5

Metalaxyl

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
280→220	0	nd; nd			2
	0.1	114; 112; 88; 107; 105	105	10	5
	1	98; 102; 117; 104; 102	105	7	5
280→160	0	nd; 1			2
	0.1	101; 113; 109; 100; 96	104	7	5
	1	95; 104; 100; 105; 98	101	4	5

Metamitron

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
203→175	0	nd; nd			2
	0.1	119; 121; nd*; 113; 110	116	4	4
	1	103; 106; 109; 108; 110	107	2	5
203→104	0	nd; nd			2
	0.1	122; 124; nd*; 133; 117	124	5	4
	1	109; 112; 113; 112; 110	111	1	5

Metazachlor

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
278→134	0	nd; nd			2
	0.1	99; 98; 103; 103; 95	100	3	5
	1	103; 104; 101; 104; 104	103	1	5
278→210	0	nd; nd			2
	0.1	104; 87; 134; 89; 112	105	18	5
	1	103; 109; 102; 101; 121	107	8	5

Metconazole

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
320→70	0	2; 3			2
	0.1	141; 95; 126; 101; 107	114	17	5
	1	102; 122; 106; 128; 103	112	11	5
320→125	0	nd; nd			2
	0.1	101; 76; 90; 103; 88	92	12	5
	1	88; 101; 108; 103; 102	101	7	5

Methabenzthiazuron

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
222→165	0	nd; nd			2
	0.1	106; 106; 115; 119; 95	108	9	5
	1	97; 105; 105; 116; 109	106	6	5
222→150	0	nd; nd			2
	0.1	109; 161; 111; 112; 95	118	22	5
	1	81; 108; 111; 113; 108	104	13	5

Methfuroxam

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
230→137	0	nd; nd			2
	0.1	97; 110; nd*; 97; 102	101	6	4
	1	109; 110; 107; 105; 109	108	2	5
230→111	0	2; nd			2
	0.1	104; 97; nd*; 125; 116	110	12	4
	1	94; 99; 108; 101; 110	102	6	5

Methidathion

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
303→145	0	nd; nd			2
	0.1	138; 118; nd*; 97; 124	119	15	4
	1	111; 103; 97; 92; 103	101	7	5
303→85	0	nd; nd			2
	0.1	120; 124; nd*; 115; 117	119	4	4
	1	89; 92; 105; 108; 108	100	9	5

Methiocarb

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
243→169	0	nd; nd			2
	0.1	101; 118; nd*; 107; 101	107	7	4
	1	105; 104; 108; 111; 107	107	2	5
226→121	0	nd; nd			2
	0.1	75; 116; nd*; 118; 113	106	19	4
	1	100; 106; 102; 101; 85	99	8	5

Methomyl

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
163→88	0	nd; nd			2
	0.1	110; 94; 103; 110; 90	101	9	5
	1	97; 98; 103; 107; 102	101	4	5
163→106	0	nd; nd			2
	0.1	96; 82; 74; 98; 127	95	21	5
	1	99; 95; 90; 96; 96	95	3	5

Methoxyfenozide

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
369→149	0	3; 3			2
	0.1	105; 113; nd*; 109; 99	106	6	4
	1	124; 122; 122; 123; 129	124	2	5
369→133	0	nd; 4			2
	0.1	112; 113; nd*; 109; 106	110	3	4
	1	129; 128; 134; 137; 138	133	3	5

Metobromuron

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
259→170	0	nd; nd			2
	0.1	112; 105; 111; 137; 95	112	14	5
	1	92; 92; 97; 89; 100	94	4	5
259→148	0	nd; nd			2
	0.1	79; 85; 100; 72; 84	84	12	5
	1	98; 106; 103; 109; 116	106	6	5

Metolachlor

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
284→252	0	nd; nd			2
	0.1	108; 112; nd*; 112; 98	108	6	4
	1	94; 96; 104; 106; 105	101	6	5
284→176	0	nd; nd			2
	0.1	126; 114; nd*; 120; 96	114	11	4
	1	90; 96; 112; 105; 103	101	8	5

Metosulam

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
418→175	0	2; nd			2
	0.1	89; 113; 142; 123; 120	117	16	5
	1	100; 116; 111; 113; 104	109	6	5
418→140	0	nd; nd			2
	0.1	104; 131; 99; 118; 128	116	12	5
	1	163; 98; 115; 113; 111	120	21	5

Metoxuron

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
229→72	0	1; nd			2
	0.1	98; 96; nd*; 110; 80	96	13	4
	1	98; 97; 104; 103; 105	102	4	5
229→156	0	nd; nd			2
	0.1	114; 106; nd*; 106; 97	106	7	4
	1	93; 100; 101; 114; 126	107	12	5

Metribuzin

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
215→187	0	nd; nd			2
	0.1	107; 90; 120; 95; 114	105	12	5
	1	92; 96; 99; 99; 97	97	3	5
215→84	0	nd; nd			2
	0.1	113; 99; 129; 100; 85	105	16	5
	1	94; 107; 107; 113; 110	106	7	5

Metsulfuron-methyl

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
382→167	0	nd; nd			2
	0.1	107; 119; 125; 111; 108	114	7	5
	1	110; 106; 107; 113; 98	107	5	5
382→199	0	nd; nd			2
	0.1	143; 111; 157; 119; 111	128	16	5
	1	107; 114; 113; 108; 108	110	3	5

Mevinphos

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
225→127	0	2; nd			2
	0.1	108; 110; nd*; 119; 108	111	5	4
	1	96; 102; 101; 104; 106	102	4	5
225→193	0	nd; nd			2
	0.1	100; 107; nd*; 93; 92	98	7	4
	1	100; 99; 97; 105; 85	97	8	5

Molinate

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
188→126	0	nd; nd			2
	0.1	32; 74; nd*; 60; 50	54	33	4
	1	101; 98; 101; 107; 105	102	3	5
188→83	0	4; nd			2
	0.1	122; 143; nd*; 93; 87	111	23	4
	1	77; 97; 97; 101; 98	94	10	5

Monocrotophos

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
224→127	0	3; nd			2
	0.1	67; 80; 126; 122; 76	94	30	5
	1	86; 89; 110; 94; 82	92	12	5
224→98	0	nd; nd			2
	0.1	nd; 261; 37; nd; 77	nd	nd	3
	1	133; 117; 73; 149; 62	107	36	5

Monolinuron

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
215→126	0	nd; nd			2
	0.1	102; 88; 105; 111; 94	100	9	5
	1	97; 98; 101; 105; 103	101	3	5
215→148	0	nd; nd			2
	0.1	89; 123; 99; 95; 102	102	13	5
	1	102; 85; 98; 112; 100	99	10	5

Monuron

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
199→72	0	nd; nd			2
	0.1	112; 114; 109; 109; 107	110	2	5
	1	98; 98; 104; 106; 103	102	4	5
199→126	0	nd; nd			2
	0.1	121; 92; 136; 123; 87	112	19	5
	1	95; 103; 111; 103; 96	102	6	5

Myclobutanil

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
289→70	0	nd; nd			2
	0.1	111; 113; nd*; 110; 107	110	2	4
	1	105; 95; 92; 98; 100	98	5	5
289→125	0	nd; 3			2
	0.1	147; 145; nd*; 130; 117	135	10	4
	1	95; 96; 101; 99; 106	100	4	5

Napropamide

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
272→129	0	nd; nd			2
	0.1	113; 113; nd*; 112; 105	111	4	4
	1	99; 99; 103; 105; 105	102	3	5
272→171	0	nd; nd			2
	0.1	100; 118; nd*; 124; 116	114	9	4
	1	90; 101; 105; 107; 104	102	6	5

Neburon

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
275→88	0	nd; nd			2
	0.1	146; 124; 127; 121; 98	123	14	5
	1	88; 101; 92; 91; 94	93	5	5
275→114	0	nd; 4			2
	0.1	139; 96; 144; 109; 92	116	21	5
	1	79; 97; 100; 105; 95	95	10	5

Nitenpyram

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
271→126	0	nd; nd			2
	0.1	100; 105; nd*; 96; 96	99	4	4
	1	96; 97; 93; 96; 91	95	3	5
271→237	0	nd; nd			2
	0.1	106; 107; nd*; 103; 100	104	3	4
	1	98; 97; 98; 98; 99	98	1	5

Norfluazuron-desmethyl

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
290→270	0	nd; nd			2
	0.1	123; 125; 117; 111; 113	118	5	5
	1	93; 90; 105; 100; 113	100	9	5
290→160	0	4; nd			2
	0.1	126; 106; 119; 100; 128	116	11	5
	1	93; 90; 91; 101; 98	95	5	5

Nuarimol

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
315→252	0	nd; nd			2
	0.1	97; 107; nd*; 83; 93	95	10	4
	1	97; 106; 100; 107; 106	103	4	5
315→81	0	nd; nd			2
	0.1	108; 118; nd*; 119; 91	109	12	4
	1	93; 94; 91; 108; 125	102	14	5

Ofurace

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
282→160	0	nd; nd			2
	0.1	107; 96; 108; 102; 107	104	5	5
	1	89; 93; 91; 102; 102	95	6	5
282→254	0	nd; nd			2
	0.1	102; 74; 115; 90; 96	95	16	5
	1	105; 113; 103; 117; 107	109	5	5

Omethoat

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
214→125	0	nd; 3			2
	0.1	67; 60; nd*; 61; 60	62	6	4
	1	69; 72; 71; 71; 70	71	2	5
214→109	0	1; 0			2
	0.1	69; 65; nd*; 64; 66	66	3	4
	1	66; 69; 69; 70; 70	69	3	5

Oxadixyl

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
279→219	0	nd; nd			2
	0.1	107; 102; nd*; 101; 101	102	3	4
	1	97; 98; 102; 104; 102	101	3	5
279→133	0	nd; nd			2
	0.1	137; 98; nd*; 75; 97	102	25	4
	1	108; 95; 106; 116; 109	107	7	5

Oxamyl

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
237→72	0	nd; nd			2
	0.1	89; 94; nd*; 87; 84	88	5	4
	1	88; 89; 91; 89; 87	89	1	5
237→90	0	nd; nd			2
	0.1	90; 94; nd*; 89; 86	90	4	4
	1	90; 91; 92; 91; 91	91	1	5

Oxasulfuron

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
407→150	0	nd; nd			2
	0.1	126; 119; nd*; 124; 117	122	3	4
	1	97; 102; 97; 97; 97	98	2	5
407→107	0	nd; 1			2
	0.1	114; 106; nd*; 110; 110	110	3	4
	1	110; 104; 105; 105; 103	105	2	5

Oxycarboxin

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
268→175	0	nd; nd			2
	0.1	111; 112; nd*; 106; 105	108	3	4
	1	106; 107; 109; 109; 110	108	1	5
268→147	0	1; 1			2
	0.1	120; 124; nd*; 101; 106	113	10	4
	1	106; 109; 108; 112; 109	109	2	5

Paclobutrazol

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
294→70	0	nd; nd			2
	0.1	127; 115; nd*; 118; 136	124	7	4
	1	106; 95; 96; 95; 107	100	6	5
294→125	0	8; 4			2
	0.1	113; 101; nd*; 98; 113	106	7	4
	1	104; 100; 104; 101; 100	102	2	5

Paraoxon-methyl

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
248→202	0	3; 3			2
	0.1	107; 104; nd*; 101; 112	106	4	4
	1	125; 136; 129; 134; 128	130	4	5
248→109	0	1; 2			2
	0.1	112; 103; nd*; 96; 99	102	7	4
	1	124; 120; 128; 130; 139	128	6	5

Penconazole

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
284→159	0	2; nd			2
	0.1	119; 116; 135; 118; 149	128	11	5
	1	89; 99; 106; 99; 94	97	7	5
284→70	0	nd; nd			2
	0.1	145; 149; 152; 168; 140	151	7	5
	1	88; 94; 102; 93; 104	96	7	5

Pencycuron

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
329→125	0	nd; nd			2
	0.1	139; 128; 143; 138; 129	135	5	5
	1	102; 106; 116; 112; 111	109	5	5
329→99	0	nd; nd			2
	0.1	123; 94; 106; 120; 101	109	11	5
	1	98; 107; 110; 114; 109	108	5	5

Pendimethalin

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
282→212	0	6; 4			2
	0.1	119; 117; nd*; 125; 111	118	5	4
	1	102; 102; 116; 112; 106	107	6	5
282→194	0	4; 7			2
	0.1	109; 107; nd*; 98; 91	101	8	4
	1	100; 104; 107; 109; 105	105	3	5

Phenthoate

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
321→163	0	5; 3			2
	0.1	113; 101; 101; 109; 95	104	7	5
	1	127; 130; 132; 138; 133	132	3	5
321→79	0	7; 3			2
	0.1	133; 130; 125; 111; 148	129	10	5
	1	130; 136; 144; 148; 145	141	5	5

Phorat-sulfoxid

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
277→199	0	nd; nd			2
	0.1	119; 108; 113; 104; 116	112	5	5
	1	97; 89; 94; 99; 100	96	5	5
277→143	0	nd; nd			2
	0.1	90; 91; 82; 90; 96	89	6	5
	1	104; 107; 111; 98; 107	105	5	5

Phosalone

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
368→182	0	nd; nd			2
	0.1	140; 125; 142; 135; 157	140	8	5
	1	102; 93; 116; 113; 111	107	9	5
368→111	0	nd; nd			2
	0.1	154; 84; 111; 179; 128	131	28	5
	1	95; 108; 101; 115; 107	105	7	5

Phosmet

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
318→133	0	6; nd			2
	0.1	99; 92; nd*; 125; 69	96	24	4
	1	133; 115; 123; 130; 114	123	7	5
318→160	0	nd; nd			2
	0.1	nd; nd; nd*; nd; nd	nd	nd	0
	1	nd; nd; nd; nd; nd	nd	nd	0

Phosphamidon

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
300→127	0	nd; nd			2
	0.1	106; 90; nd*; 108; 114	105	10	4
	1	97; 103; 99; 107; 107	102	5	5
300→174	0	nd; nd			2
	0.1	101; 107; nd*; 108; 98	104	5	4
	1	100; 104; 97; 101; 106	102	4	5

Phoxim

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
299→129	0	nd; nd			2
	0.1	100; 94; 100; 117; 88	100	11	5
	1	104; 98; 99; 112; 103	103	5	5
299→77	0	1; nd			2
	0.1	106; 105; 90; 107; 92	100	8	5
	1	99; 108; 115; 109; 103	107	6	5

Picoxystrobin

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
368→145	0	nd; nd			2
	0.1	117; 96; 135; 126; 98	115	15	5
	1	93; 109; 107; 110; 106	105	7	5
368→205	0	nd; nd			2
	0.1	127; 115; 92; 114; 104	111	12	5
	1	96; 109; 110; 146; 106	113	17	5

Pirimicarb

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
239→72	0	nd; nd			2
	0.1	109; 108; 93; 103; 105	104	6	5
	1	97; 109; 111; 114; 118	110	7	5
239→182	0	nd; 1			2
	0.1	106; 107; 117; 106; 101	108	5	5
	1	107; 102; 97; 106; 106	104	4	5

Pirimiphos-ethyl

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
334→198	0	nd; nd			2
	0.1	163; 135; 161; 157; 157	155	7	5
	1	116; 125; 124; 127; 105	120	7	5
334→182	0	nd; nd			2
	0.1	151; 127; 132; 146; 127	137	8	5
	1	113; 116; 122; 121; 106	116	6	5

Pirimiphos-methyl

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
306→164	0	nd; nd			2
	0.1	126; 105; 125; 112; 98	113	11	5
	1	108; 106; 113; 108; 110	109	2	5
306→108	0	nd; nd			2
	0.1	118; 113; 121; 104; 109	113	6	5
	1	105; 112; 116; 112; 112	112	4	5

Prochloraz

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
376→308	0	1; 2			2
	0.1	92; 75; 81; 97; 64	82	16	5
	1	102; 96; 98; 98; 92	97	4	5
376→266	0	nd; nd			2
	0.1	105; 96; 131; 119; 87	108	17	5
	1	92; 96; 98; 90; 91	93	4	5

Profenofos

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
373→303	0	nd; nd			2
	0.1	130; 113; 115; 129; 114	120	7	5
	1	98; 102; 118; 112; 102	107	8	5
373→97	0	nd; nd			2
	0.1	128; 91; 107; 126; 120	115	13	5
	1	96; 100; 102; 105; 96	100	4	5

Promecarb

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
208→109	0	nd; nd			2
	0.1	115; 81; nd*; 110; 94	100	15	4
	1	97; 91; 103; 107; 114	102	9	5
208→151	0	nd; nd			2
	0.1	108; 113; nd*; 116; 103	110	5	4
	1	100; 103; 106; 104; 112	105	4	5

Prometon

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
226→142	0	nd; nd			2
	0.1	92; 90; nd*; 97; 87	92	5	4
	1	94; 95; 101; 118; 104	102	9	5
226→184	0	nd; nd			2
	0.1	122; 119; nd*; 126; 93	115	13	4
	1	88; 96; 90; 99; 96	94	5	5

Prometryne

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
242→158	0	nd; nd			2
	0.1	106; 113; nd*; 113; 91	106	10	4
	1	89; 109; 107; 108; 110	104	8	5
242→200	0	nd; nd			2
	0.1	103; 99; nd*; 100; 87	97	7	4
	1	100; 97; 108; 95; 105	101	5	5

Propachlor

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
212→170	0	nd; nd			2
	0.1	101; 103; 101; 122; 100	105	9	5
	1	98; 101; 93; 110; 106	102	7	5
212→94	0	nd; nd			2
	0.1	109; 148; 110; 104; 103	115	16	5
	1	102; 108; 104; 100; 108	104	3	5

Propamocarb

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
189→102	0	nd; nd			2
	0.1	133; 128; 128; 110; 115	123	8	5
	1	109; 110; 111; 111; 111	110	1	5
189→144	0	nd; nd			2
	0.1	107; 111; 90; 87; 141	107	20	5
	1	112; 111; 109; 112; 109	111	1	5

Propaquizafop

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
444→100	0	nd; nd			2
	0.1	134; 131; 132; 146; 126	134	6	5
	1	90; 102; 103; 103; 89	98	7	5
444→299	0	nd; nd			2
	0.1	152; 140; 127; 146; 114	136	11	5
	1	95; 97; 104; 101; 91	97	5	5

Propargite

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
368→231	0	nd; nd			2
	0.1	179; 180; nd*; 169; 133	166	14	4
	1	108; 117; 117; 120; 104	113	6	5
368→175	0	nd; nd			2
	0.1	162; 181; nd*; 162; 151	164	8	4
	1	110; 118; 124; 127; 105	117	8	5

Propazin-2-hydroxy

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
212→128	0	nd; nd			2
	0.1	97; 134; 111; 97; 82	104	19	5
	1	104; 99; 102; 107; 121	107	8	5
212→170	0	nd; nd			2
	0.1	102; 87; 115; 108; 99	102	10	5
	1	98; 91; 99; 105; 82	95	9	5

Propazine

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
230→146	0	nd; nd			2
	0.1	95; 116; nd*; 96; 99	101	10	4
	1	88; 98; 104; 110; 98	100	8	5
230→188	0	nd; nd			2
	0.1	123; 126; nd*; 118; 131	125	5	4
	1	100; 92; 102; 99; 103	99	5	5

Propetamphos

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
282→138	0	nd; nd			2
	0.1	134; 121; nd*; 116; 108	120	9	4
	1	100; 98; 105; 109; 107	104	4	5
282→156	0	nd; nd			2
	0.1	107; 121; nd*; 105; 120	113	7	4
	1	94; 101; 109; 110; 99	103	7	5

Propham

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
180→138	0	nd; nd			2
	0.1	111; 95; 99; 102; 95	100	6	5
	1	94; 103; 100; 102; 102	100	3	5
180→120	0	nd; nd			2
	0.1	104; 104; 94; 66; 69	87	21	5
	1	96; 106; 102; 100; 107	102	4	5

Propiconazole

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
342→159	0	13; 23			2
	0.1	123; 121; 103; 103; 61	102	24	5
	1	97; 103; 108; 111; 108	105	5	5
342→69	0	8; 4			2
	0.1	114; 107; 94; 172; 112	120	25	5
	1	102; 98; 146; 108; 102	111	18	5

Propoxur

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
210→111	0	nd; nd			2
	0.1	110; 97; 92; 103; 88	98	9	5
	1	96; 92; 103; 105; 90	97	7	5
210→168	0	nd; nd			2
	0.1	112; 94; 106; 94; 98	101	8	5
	1	86; 97; 109; 98; 101	98	9	5

Propyzamide

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
256→190	0	nd; nd			2
	0.1	116; 118; nd*; 109; 114	115	3	4
	1	97; 103; 110; 101; 104	103	5	5
256→173	0	nd; nd			2
	0.1	109; 104; nd*; 108; 100	105	4	4
	1	100; 106; 98; 107; 110	104	5	5

Prosulfocarb

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
252→91	0	nd; nd			2
	0.1	165; 120; 138; 138; 130	138	12	5
	1	98; 109; 113; 116; 106	108	7	5
252→128	0	nd; nd			2
	0.1	107; 149; 141; 129; 114	128	14	5
	1	93; 102; 109; 110; 95	102	7	5

Prosulfuron

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
420→141	0	nd; nd			2
	0.1	122; 112; 101; 105; 103	109	8	5
	1	101; 104; 104; 106; 101	103	2	5
420→167	0	nd; nd			2
	0.1	99; 104; 96; 119; 87	101	12	5
	1	97; 99; 105; 99; 108	102	5	5

Pymetrozin

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
218→105	0	nd; nd			2
	0.1	127; 118; 119; 113; 114	118	4	5
	1	114; 113; 111; 112; 111	112	1	5
218→79	0	nd; nd			2
	0.1	44; nd; 149; 38; 72	nd	nd	4
	1	109; 239; 89; 134; 69	128	52	5

Pyraclostrobin

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
388→194	0	nd; nd			2
	0.1	111; 113; 110; 118; 106	111	4	5
	1	99; 97; 108; 107; 100	102	5	5
388→163	0	nd; nd			2
	0.1	95; 96; 101; 105; 114	102	8	5
	1	134; 105; 104; 116; 102	112	12	5

Pyraflufen-ethyl

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
413→339	0	nd; nd			2
	0.1	215; 172; 219; 215; 168	198	13	5
	1	103; 118; 109; 115; 90	107	10	5
413→253	0	nd; nd			2
	0.1	214; 219; 179; 190; 197	200	8	5
	1	102; 105; 111; 117; 101	107	6	5

Pyrazophos

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
374→222	0	nd; nd			2
	0.1	213; 195; 248; 193; 186	207	12	5
	1	117; 115; 120; 124; 111	117	4	5
374→194	0	nd; 5			2
	0.1	210; 121; 164; 207; 196	180	21	5
	1	109; 111; 133; 133; 117	121	9	5

Pyridaben

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
365→147	0	nd; nd			2
	0.1	225; 227; nd*; 212; 177	210	11	4
	1	84; 93; 92; 86; 77	87	8	5
365→309	0	nd; 2			2
	0.1	208; 217; nd*; 208; 169	200	11	4
	1	89; 91; 96; 93; 78	89	8	5

Pyridaphenthion

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
341→189	0	nd; nd			2
	0.1	123; 110; nd*; 145; 110	122	13	4
	1	100; 93; 110; 119; 103	105	9	5
341→205	0	nd; nd			2
	0.1	128; 159; nd*; 105; 121	128	18	4
	1	99; 98; 108; 103; 112	104	6	5

Pyrifeno

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
295→93	0	nd; nd			2
	0.1	104; 89; 114; 107; 92	101	10	5
	1	96; 110; 99; 118; 99	104	9	5
295→263	0	117; 120			2
	0.1	-3; -15; -7; -33; -66	-25	-103	5
	1	-18; -3; 5; 10; -13	-4	-307	5

Pyrimethanil

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
200→107	0	nd; nd			2
	0.1	110; 113; nd*; 111; 122	114	5	4
	1	98; 98; 106; 104; 102	101	3	5
200→82	0	nd; nd			2
	0.1	118; 99; nd*; 97; 71	96	20	4
	1	98; 97; 101; 109; 106	102	5	5

Pyriproxyfen

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
322→96	0	7; 7			2
	0.1	116; 118; nd*; 129; 116	120	5	4
	1	92; 101; 105; 105; 102	101	5	5
322→185	0	4; 7			2
	0.1	106; 94; nd*; 100; 88	97	8	4
	1	100; 105; 101; 106; 94	101	5	5

Quinalphos

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
299→147	0	10; nd			2
	0.1	134; 118; 127; 137; 114	126	8	5
	1	83; 97; 103; 94; 93	94	7	5
299→163	0	nd; 1			2
	0.1	132; 112; 123; 131; 96	119	13	5
	1	80; 86; 95; 92; 95	90	7	5

Quinmerac

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
222→204	0	nd; 1			2
	0.1	96; 110; 107; 107; 103	105	5	5
	1	102; 102; 111; 115; 119	110	7	5
222→141	0	nd; nd			2
	0.1	122; 127; 113; 109; 116	118	6	5
	1	112; 106; 101; 117; 109	109	6	5

Quinoclamine

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
208→105	0	nd; nd			2
	0.1	126; 102; 118; 107; 103	111	10	5
	1	108; 110; 113; 105; 112	110	3	5
208→77	0	nd; nd			2
	0.1	121; 121; 103; 92; 82	104	17	5
	1	96; 97; 103; 98; 101	99	3	5

Quinoxifen

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
308→197	0	nd; nd			2
	0.1	123; 118; nd*; 118; 115	119	3	4
	1	86; 90; 101; 100; 89	93	7	5
308→162	0	nd; nd			2
	0.1	119; 119; nd*; 116; 125	120	3	4
	1	89; 99; 110; 105; 95	100	8	5

Quizalofop-ethyl

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
373→299	0	nd; nd			2
	0.1	110; 96; 119; 125; 99	110	11	5
	1	90; 104; 102; 104; 105	101	6	5
373→271	0	nd; nd			2
	0.1	142; 99; 153; 92; 145	126	23	5
	1	88; 99; 98; 99; 99	97	5	5

Rimsulfuron

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
432→182	0	nd; nd			2
	0.1	111; 107; 109; 112; 110	110	2	5
	1	105; 108; 110; 112; 108	109	2	5
432→325	0	nd; nd			2
	0.1	123; 100; 98; 96; 104	104	10	5
	1	108; 124; 111; 113; 111	113	6	5

Rotenone

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
395→213	0	nd; nd			2
	0.1	111; 112; 124; 127; 112	117	7	5
	1	101; 105; 107; 105; 95	103	5	5
395→192	0	nd; nd			2
	0.1	115; 134; 98; 158; 118	125	18	5
	1	83; 93; 101; 99; 86	92	9	5

Sebuthylazine

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
230→174	0	nd; nd			2
	0.1	103; 104; nd*; 106; 102	104	2	4
	1	105; 107; 110; 108; 104	107	2	5
230→104	0	nd; nd			2
	0.1	114; 108; nd*; 108; 105	109	4	4
	1	103; 96; 112; 106; 109	105	6	5

Sebuthylazine-desethyl

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
202→146	0	nd; nd			2
	0.1	120; 107; 108; 105; 110	110	5	5
	1	96; 104; 111; 108; 108	105	5	5
202→104	0	nd; nd			2
	0.1	123; 102; 108; 100; 101	107	9	5
	1	105; 105; 103; 107; 110	106	2	5

Sethoxydim

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
328→178	0	nd; nd			2
	0.1	117; 99; nd*; 109; 94	104	10	4
	1	93; 98; 97; 101; 99	98	3	5
328→282	0	nd; nd			2
	0.1	90; 101; nd*; 96; 95	95	5	4
	1	99; 94; 103; 105; 107	102	5	5

Siduron

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
233→137	0	nd; nd			2
	0.1	114; 93; nd*; 109; 104	105	8	4
	1	86; 108; 102; 105; 107	102	9	5
233→94	0	nd; nd			2
	0.1	103; 107; nd*; 87; 98	99	9	4
	1	100; 95; 101; 97; 107	100	5	5

Simazine

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
202→132	0	nd; nd			2
	0.1	113; 95; 88; 84; 76	91	15	5
	1	101; 101; 96; 103; 97	100	3	5
202→124	0	nd; nd			2
	0.1	78; 78; 112; 93; 84	89	16	5
	1	107; 120; 107; 115; 114	113	5	5

Simazine-2-hydroxy

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
184→114	0	15; 15			2
	0.1	98; 112; 88; 83; 78	92	15	5
	1	108; 116; 118; 113; 117	114	4	5
184→69	0	5; 4			2
	0.1	124; 99; 92; 100; 95	102	13	5
	1	122; 99; 107; 104; 102	107	8	5

Simetryn

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
214→124	0	nd; nd			2
	0.1	111; 118; 101; 98; 87	103	12	5
	1	106; 106; 99; 103; 94	102	5	5
214→144	0	nd; 1			2
	0.1	103; 90; 115; 110; 119	107	11	5
	1	94; 98; 90; 93; 92	93	3	5

Spiroxamine

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
298→144	0	nd; 3			2
	0.1	257; 231; 257; 261; 198	241	11	5
	1	111; 114; 121; 121; 116	117	4	5
298→100	0	nd; nd			2
	0.1	293; 239; 272; 241; 252	259	9	5
	1	113; 119; 120; 120; 121	119	3	5

Sulfometuron-methyl

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
365→150	0	nd; nd			2
	0.1	89; 103; nd*; 94; 90	94	6	4
	1	96; 97; 104; 103; 115	103	7	5
365→107	0	nd; nd			2
	0.1	22; 166; nd*; 113; 110	103	58	4
	1	76; 96; 88; 92; 94	89	9	5

Sulfosulfuron

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
471→211	0	nd; nd			2
	0.1	105; 103; nd*; 108; 117	108	6	4
	1	95; 102; 97; 110; 112	103	7	5
471→261	0	nd; nd			2
	0.1	119; 108; nd*; 115; 132	118	8	4
	1	95; 99; 89; 93; 114	98	10	5

Sulfotep

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
323→115	0	nd; nd			2
	0.1	122; 98; 114; 114; 68	103	21	5
	1	89; 101; 116; 106; 101	103	10	5
323→97	0	nd; nd			2
	0.1	131; 106; 121; 133; 118	122	9	5
	1	93; 112; 111; 107; 106	106	7	5

Sulprofos

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
323→219	0	9; nd			2
	0.1	135; 128; nd*; 112; 73	112	25	4
	1	98; 95; 105; 113; 98	102	7	5
323→247	0	5; nd			2
	0.1	103; 99; nd*; 133; 110	111	13	4
	1	97; 104; 114; 107; 95	103	7	5

Tebuconazol

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
308→70	0	3; 2			2
	0.1	94; 73; 102; 97; 105	94	14	5
	1	122; 132; 143; 151; 136	137	8	5
308→125	0	28; 18			2
	0.1	109; 69; 114; 127; 112	106	21	5
	1	125; 143; 146; 148; 125	137	8	5

Tebufenozid

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
353→133	0	nd; 1			2
	0.1	103; 104; 100; 115; 102	105	6	5
	1	95; 99; 105; 106; 105	102	5	5
353→297	0	nd; nd			2
	0.1	115; 109; 104; 115; 107	110	5	5
	1	95; 101; 108; 107; 105	103	5	5

Tebufenpyrad

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
334→117	0	nd; nd			2
	0.1	219; 182; 217; 183; 149	190	15	5
	1	121; 123; 116; 118; 107	117	5	5
334→145	0	nd; nd			2
	0.1	239; 198; 233; 232; 157	212	16	5
	1	100; 129; 124; 117; 108	116	10	5

Tebutam

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
234→91	0	nd; nd			2
	0.1	117; 111; nd*; 116; 114	114	2	4
	1	101; 105; 108; 98; 110	104	5	5
234→192	0	nd; nd			2
	0.1	98; 128; nd*; 99; 87	103	17	4
	1	91; 100; 96; 103; 100	98	5	5

Tebuthiuron

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
229→172	0	nd; nd			2
	0.1	108; 116; 106; 97; 106	107	6	5
	1	93; 96; 105; 107; 111	102	7	5
229→116	0	nd; nd			2
	0.1	105; 87; 106; 105; 79	97	13	5
	1	105; 104; 112; 103; 89	102	8	5

Tepraloxydim

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
342→250	0	nd; nd			2
	0.1	96; 96; 103; 134; 91	104	17	5
	1	91; 103; 97; 101; 102	99	5	5
342→166	0	5; nd			2
	0.1	139; 98; 87; 116; 117	111	18	5
	1	100; 105; 102; 109; 117	107	7	5

Terbacil

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
217→161	0	nd; nd			2
	0.1	96; 89; 108; 101; 87	96	9	5
	1	104; 102; 102; 100; 95	101	3	5
217→144	0	nd; nd			2
	0.1	122; 97; 131; 137; 175	132	21	5
	1	98; 105; 101; 104; 102	102	3	5

Terbufos

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
289→103	0	nd; nd			2
	0.1	97; 99; 84; 112; 102	99	10	5
	1	105; 109; 104; 109; 107	107	2	5
289→57	0	nd; nd			2
	0.1	96; 103; 106; 104; 95	101	5	5
	1	101; 108; 105; 105; 103	104	2	5

Terbumeton

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
226→170	0	nd; nd			2
	0.1	100; 89; nd*; 108; 103	100	8	4
	1	106; 104; 111; 104; 109	107	3	5
226→114	0	nd; nd			2
	0.1	170; 133; nd*; 133; 125	140	14	4
	1	111; 97; 105; 106; 110	106	6	5

Terbuthyazine-2-hydroxy

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
212→156	0	nd; nd			2
	0.1	115; 125; 100; 131; 126	119	10	5
	1	102; 99; 105; 125; 108	108	9	5
212→114	0	nd; nd			2
	0.1	108; 110; 108; 105; 102	107	3	5
	1	107; 105; 110; 100; 106	105	3	5

Terbutyazine-desethyl

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
202→146	0	nd; nd			2
	0.1	120; 107; 108; 105; 109	110	5	5
	1	97; 104; 111; 108; 107	105	5	5
202→104	0	nd; nd			2
	0.1	110; 118; 106; 107; 101	109	6	5
	1	110; 108; 96; 102; 106	105	5	5

Terbutylazine

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
230→174	0	nd; nd			2
	0.1	111; 122; nd*; 97; 98	107	11	4
	1	103; 103; 107; 109; 112	107	4	5
230→104	0	nd; nd			2
	0.1	127; 131; nd*; 121; 101	120	11	4
	1	106; 113; 107; 115; 114	111	4	5

Terbutryn

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
242→186	0	nd; nd			2
	0.1	119; 114; nd*; 123; 105	115	7	4
	1	97; 104; 107; 109; 103	104	5	5
242→68	0	nd; nd			2
	0.1	135; 121; nd*; 121; 118	124	6	4
	1	105; 98; 105; 100; 105	103	3	5

Tetrachlorvinphos

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
367→127	0	nd; 2			2
	0.1	140; 118; 133; 109; 103	120	13	5
	1	98; 102; 105; 113; 106	105	5	5
367→241	0	nd; nd			2
	0.1	122; 158; 149; 161; 144	147	11	5
	1	102; 104; 96; 100; 102	101	3	5

Tetraconazole

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
372→159	0	nd; nd			2
	0.1	114; 132; nd*; 111; 142	125	12	4
	1	110; 103; 121; 116; 112	112	6	5
372→70	0	nd; nd			2
	0.1	128; 115; nd*; 131; 105	120	10	4
	1	98; 114; 106; 110; 113	108	6	5

Thiabendazol

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
202→175	0	nd; nd			2
	0.1	98; 86; 89; 93; 79	89	8	5
	1	97; 103; 100; 102; 102	101	2	5
202→131	0	nd; nd			2
	0.1	89; 95; 87; 89; 84	89	5	5
	1	112; 93; 87; 98; 91	97	10	5

Thiacloprid

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
253→126	0	nd; nd			2
	0.1	113; 115; nd*; 118; 114	115	2	4
	1	97; 114; 107; 106; 102	105	6	5
253→186	0	nd; nd			2
	0.1	143; 124; nd*; 126; 132	132	6	4
	1	122; 91; 106; 102; 104	105	10	5

Thiamethoxam

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
292→211	0	nd; nd			2
	0.1	109; 102; 115; 108; 107	108	4	5
	1	101; 105; 108; 104; 108	105	3	5
292→181	0	nd; nd			2
	0.1	108; 105; 95; 105; 103	103	5	5
	1	108; 107; 104; 104; 108	106	2	5

Thifensulfuron-methyl

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
388→167	0	1; nd			2
	0.1	115; 113; 109; 114; 110	112	2	5
	1	104; 106; 103; 107; 103	105	2	5
388→205	0	nd; nd			2
	0.1	101; 104; 92; 75; 99	94	13	5
	1	111; 123; 107; 104; 109	111	7	5

Thiodicarb

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
355→88	0	nd; nd			2
	0.1	136; 109; 118; 100; 118	116	11	5
	1	97; 100; 95; 99; 102	98	3	5
355→108	0	nd; 3			2
	0.1	104; 53; 92; 114; 88	90	25	5
	1	101; 105; 109; 100; 107	104	4	5

Thiofanox

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
219→57	0	nd; nd			2
	0.1	86; 110; 111; 113; 78	100	16	5
	1	96; 91; 89; 93; 102	94	5	5
219→61	0	nd; nd			2
	0.1	108; 102; 132; 117; 86	109	16	5
	1	96; 119; 82; 106; 98	100	14	5

Thiofanox-sulfon

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
268→57	0	0; 0			2
	0.1	103; 90; 98; 102; 95	98	5	5
	1	100; 100; 101; 104; 107	102	3	5
268→76	0	nd; nd			2
	0.1	89; 96; 84; 104; 100	94	9	5
	1	97; 102; 100; 103; 103	101	2	5

Thiofanox-sulfoxid

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
252→104	0	3; nd			2
	0.1	93; 104; 93; 101; 83	95	9	5
	1	102; 100; 102; 100; 103	101	1	5
252→57	0	nd; nd			2
	0.1	78; 102; 25; 59; 22	57	60	5
	1	105; 95; 114; 133; 150	120	19	5

Thiophanate (-ethyl)

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
371→151	0	10; 4			2
	0.1	21; 16; 8; 17; 1	14	65	5
	1	139; 131; 123; 119; 116	126	7	5
371→325	0	nd; nd			2
	0.1	9; 10; 2; 11; 34	16	74	5
	1	132; 139; 123; 127; 119	128	6	5

Thiophanat-methyl

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
343→151	0	2; nd			2
	0.1	22; 16; 15; 16; 17	17	16	5
	1	132; 115; 116; 108; 97	114	11	5
343→192	0	nd; nd			2
	0.1	25; 34; 13; 23; 31	25	32	5
	1	132; 119; 112; 102; 101	113	11	5

Tolclofos-methyl

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
301→175	0	17; 23			2
	0.1	90; 113; 57; 85; 82	85	24	5
	1	97; 107; 100; 105; 112	104	5	5
301→269	0	nd; nd			2
	0.1	108; 115; 162; 120; 139	129	17	5
	1	103; 116; 123; 113; 116	114	6	5

Triadimefon

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
294→197	0	nd; nd			2
	0.1	129; 111; nd*; 99; 126	117	12	4
	1	94; 97; 96; 107; 109	100	7	5
294→225	0	nd; nd			2
	0.1	91; 135; nd*; 93; 121	110	20	4
	1	107; 97; 100; 95; 101	100	4	5

Triadimenol

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
296→70	0	nd; nd			2
	0.1	126; 123; nd*; 126; 117	123	4	4
	1	93; 98; 100; 100; 98	98	3	5
296→227	0	nd; nd			2
	0.1	140; 101; nd*; 135; 93	117	20	4
	1	106; 94; 94; 102; 107	101	6	5

Triasulfuron

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
402→167	0	nd; 2			2
	0.1	125; 115; nd*; 110; 112	116	6	4
	1	116; 95; 109; 113; 108	108	7	5
402→141	0	2; nd			2
	0.1	146; 129; nd*; 134; 143	138	6	4
	1	109; 114; 119; 106; 97	109	8	5

Triazamate

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
315→226	0	nd; nd			2
	0.1	109; 80; nd*; 105; 106	100	13	4
	1	99; 111; 113; 114; 119	111	7	5
315→72	0	nd; nd			2
	0.1	108; 95; nd*; 131; 105	110	14	4
	1	109; 110; 111; 117; 111	111	3	5

Triazophos

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
314→162	0	nd; nd			2
	0.1	135; 122; nd*; 124; 126	127	5	4
	1	99; 103; 109; 101; 102	103	4	5
314→119	0	nd; nd			2
	0.1	128; 147; nd*; 138; 112	131	11	4
	1	104; 109; 117; 112; 109	110	4	5

Tricyclazole

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
190→163	0	nd; nd			2
	0.1	144; 141; nd*; 138; 84	127	22	4
	1	88; 93; 93; 93; 100	94	5	5
190→136	0	nd; nd			2
	0.1	100; 80; nd*; 126; 90	99	20	4
	1	96; 95; 96; 98; 95	96	1	5

Trietazine

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
230→132	0	1; nd			2
	0.1	112; 99; nd*; 99; 107	104	6	4
	1	97; 97; 106; 106; 104	102	5	5
230→99	0	nd; nd			2
	0.1	103; 106; nd*; 109; 99	104	4	4
	1	109; 111; 116; 127; 119	116	6	5

Trifloxystrobin

MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
409→186	0	nd; nd			2
	0.1	273; 246; 308; 334; 274	287	12	5
	1	133; 142; 138; 140; 137	138	3	5
409→206	0	7; nd			2
	0.1	338; 275; 335; 329; 291	314	9	5
	1	149; 156; 163; 156; 153	155	3	5

Triflumizole

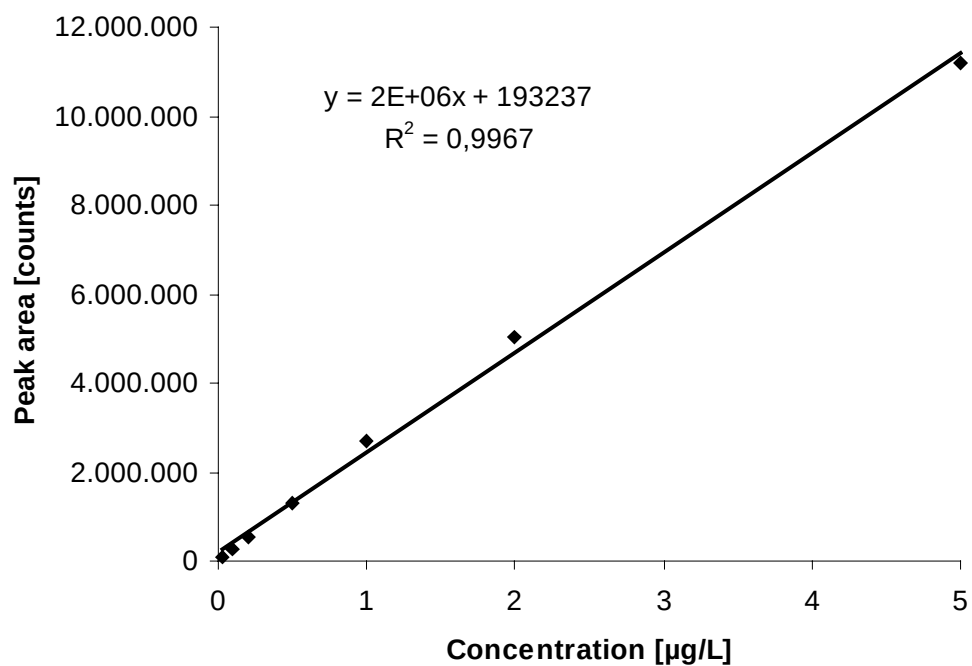
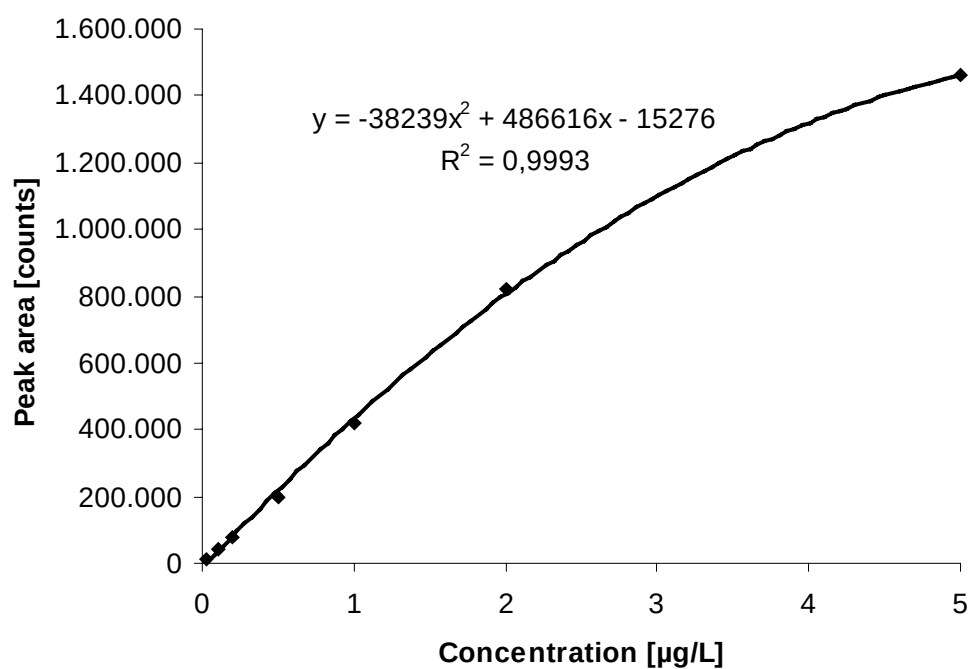
MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
346→278	0	nd; 4			2
	0.1	187; 159; 182; 188; 147	173	11	5
	1	115; 114; 123; 120; 95	113	10	5
346→73	0	nd; nd			2
	0.1	170; 183; 171; 204; 155	176	10	5
	1	105; 131; 139; 115; 101	118	14	5

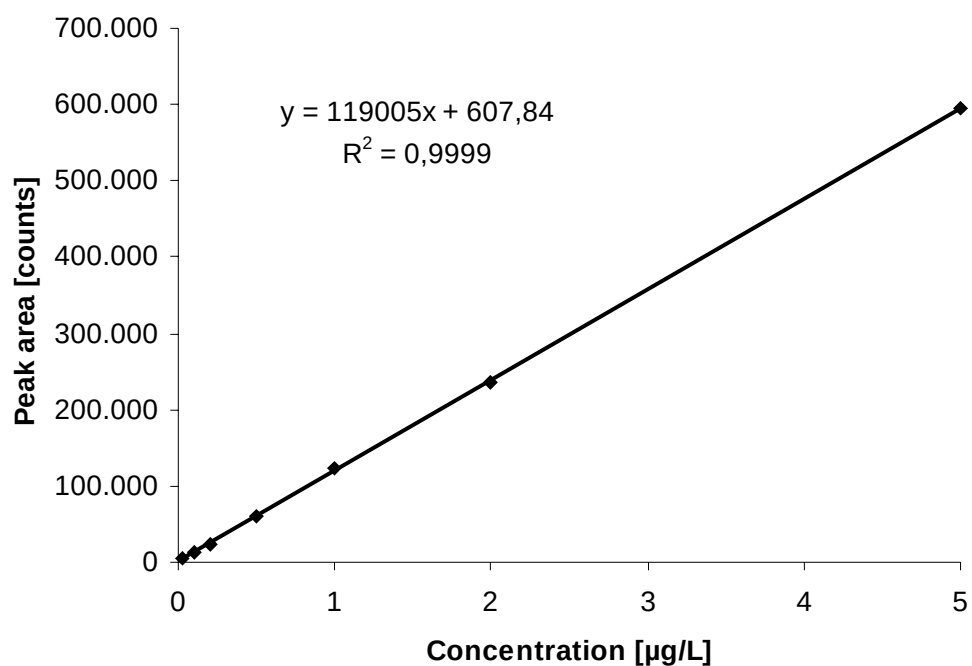
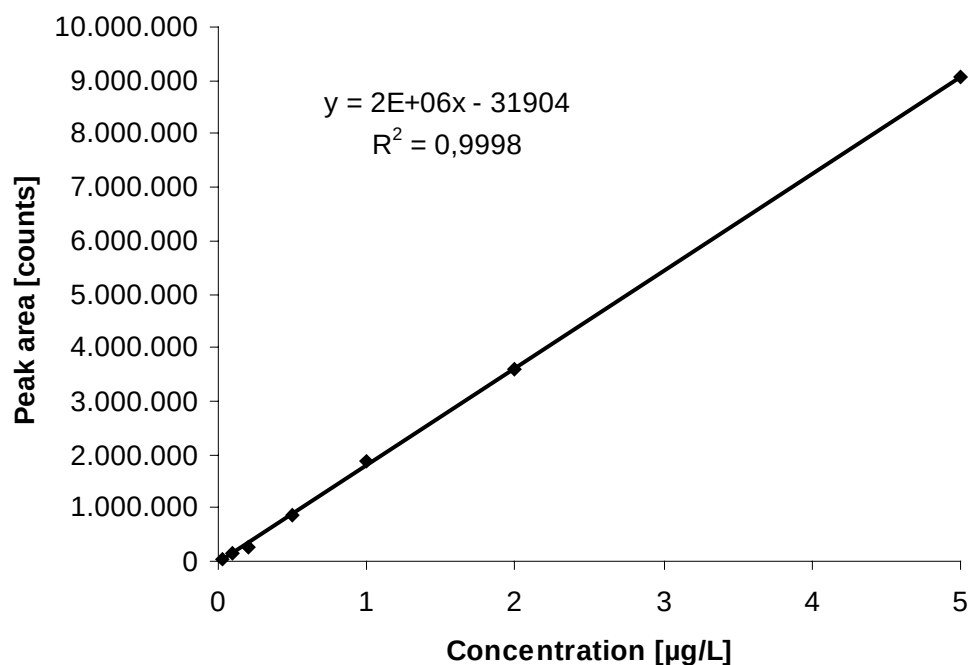
Triticonazole

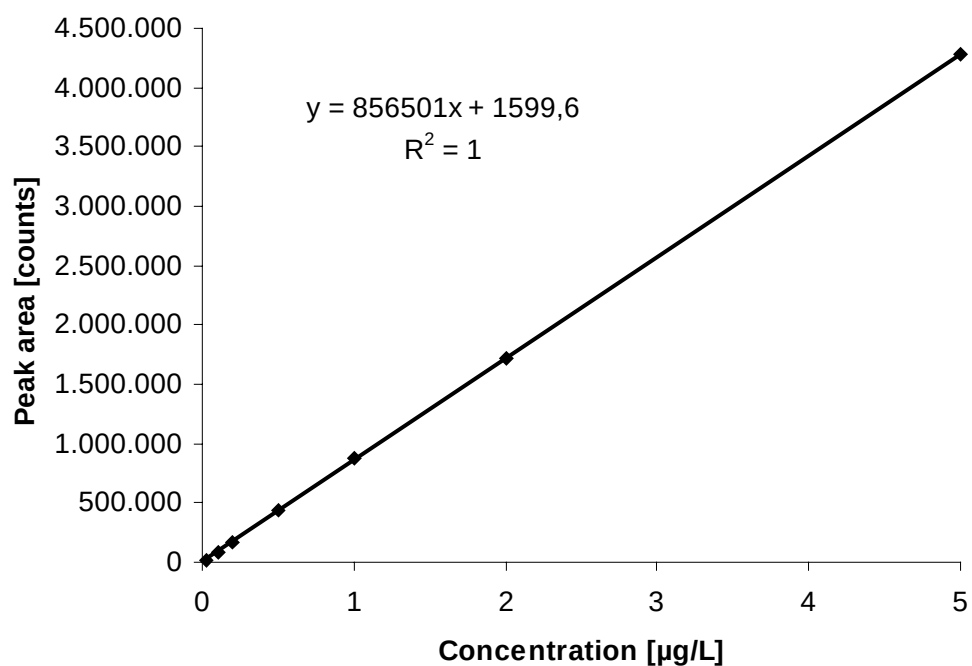
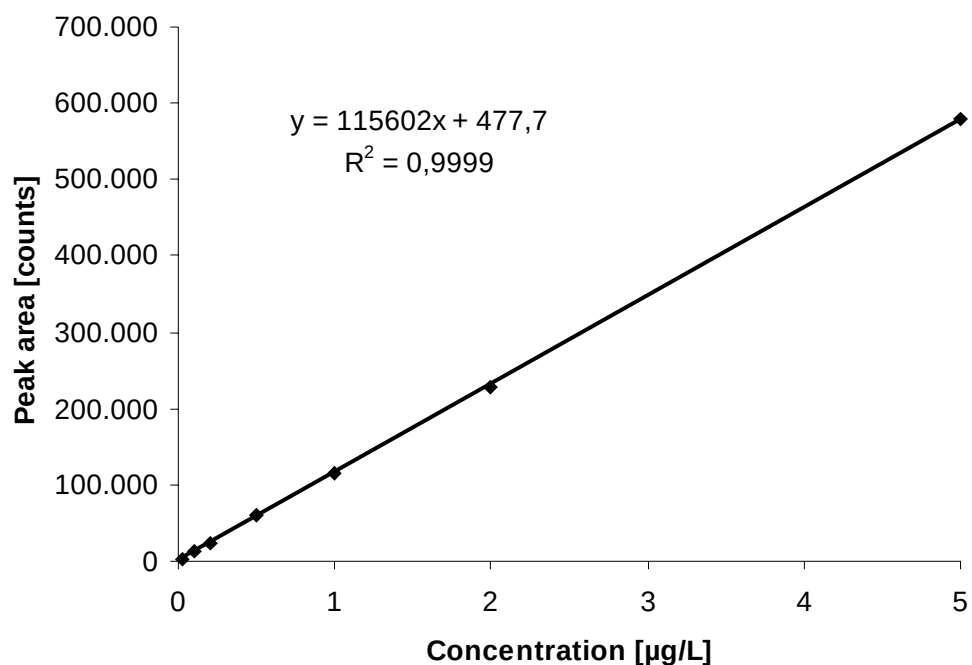
MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
318→70	0	nd; nd			2
	0.1	92; 90; nd*; 94; 94	93	2	4
	1	97; 104; 103; 125; 109	107	10	5
318→125	0	nd; nd			2
	0.1	94; 68; nd*; 58; 82	75	21	4
	1	113; 122; 93; 97; 127	110	13	5

Vamidothion

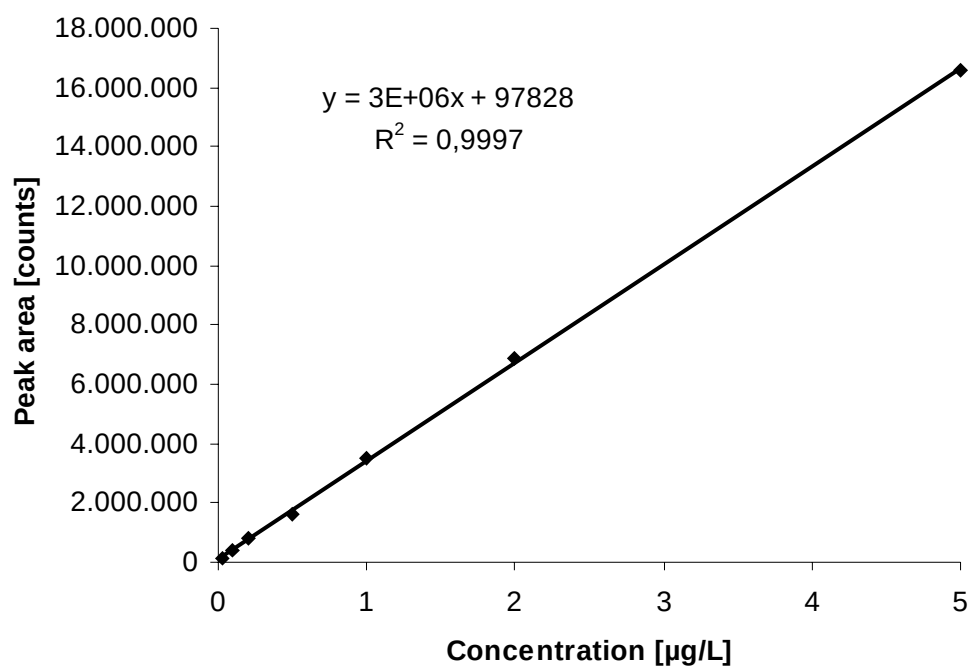
MRM transition	Fortification Level [µg/L]	Recovery Single values [%]	Mean Recovery [%]	Relative Standard Deviation [%]	Number of Analysis
288→146	0	nd; nd			2
	0.1	104; 112; nd*; 101; 101	105	5	4
	1	98; 116; 92; 102; 108	103	9	5
288→118	0	nd; nd			2
	0.1	124; 129; nd*; 111; 102	116	10	4
	1	100; 106; 99; 107; 107	104	4	5

Annex II: Calibration**3.4.5-Trimetacarb: 194→137****3-Hydroxycarbofuran: 238→163**

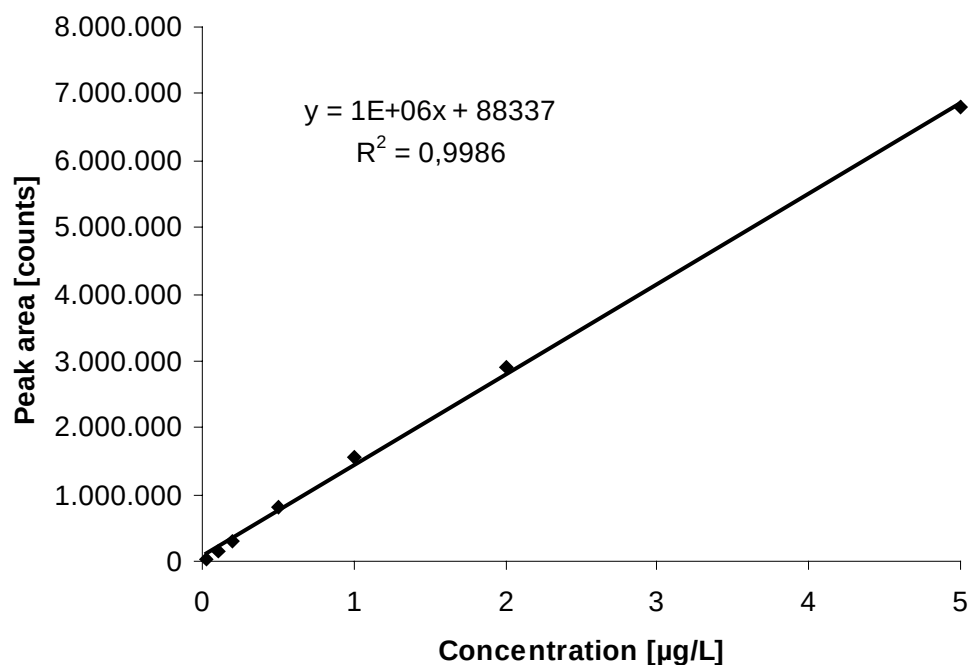
5-Hydroxy-clethodim-sulfon: 408→204**5-Hydroxy-thiabendazol: 218→191**

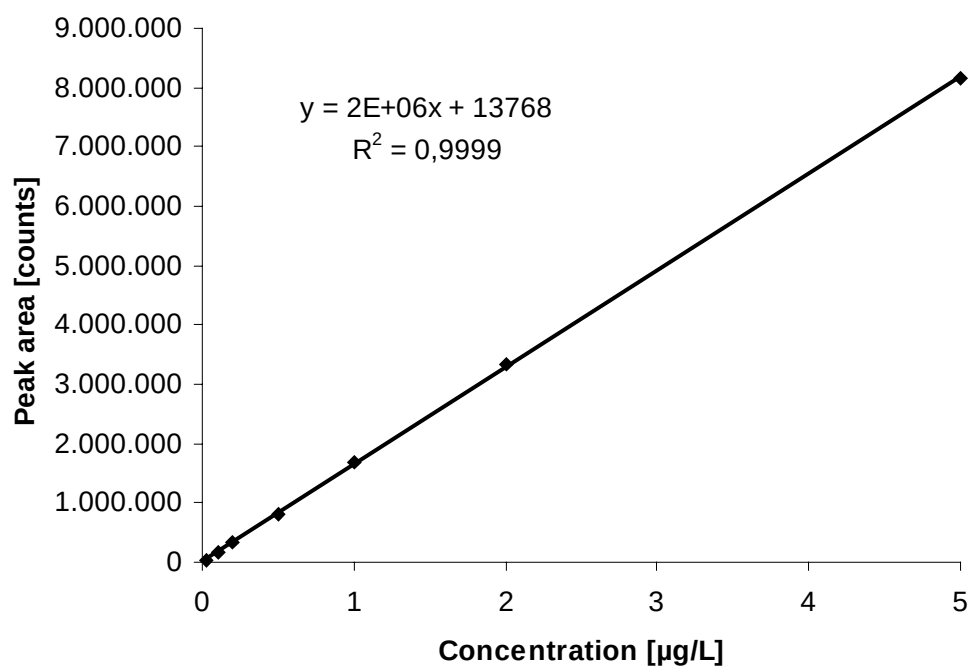
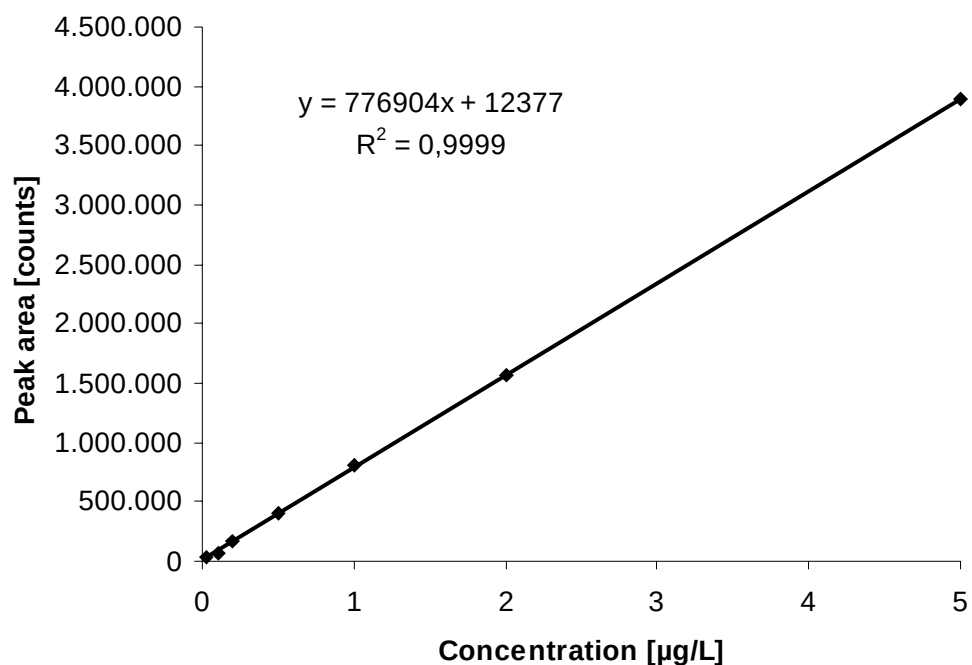
6-Chlor-3-phenyl-pyridazin-4-ol (Pyridate-Metabolit): 207→104**Acephate: 184→143**

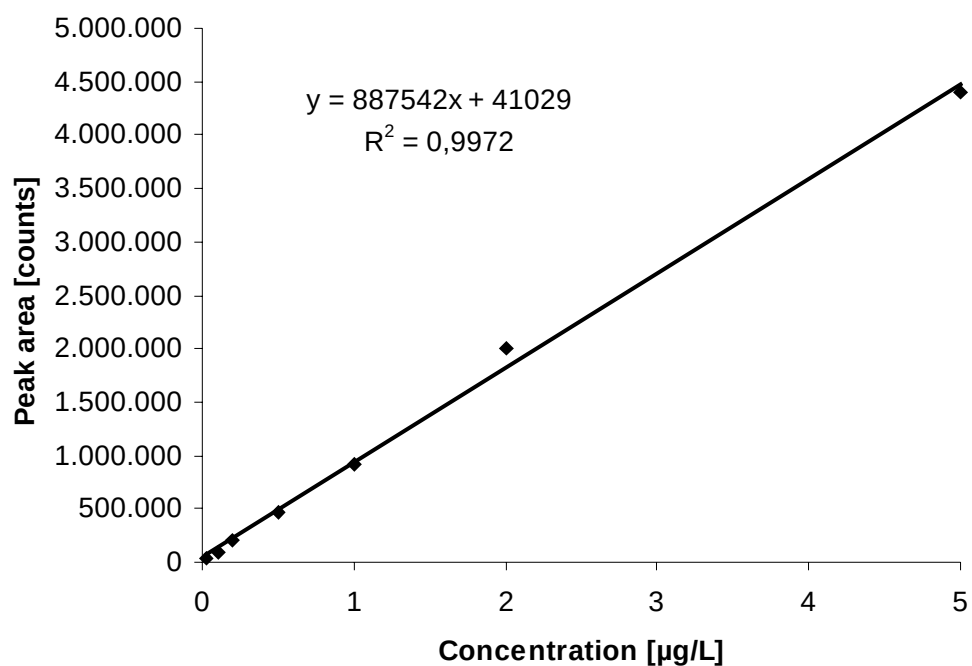
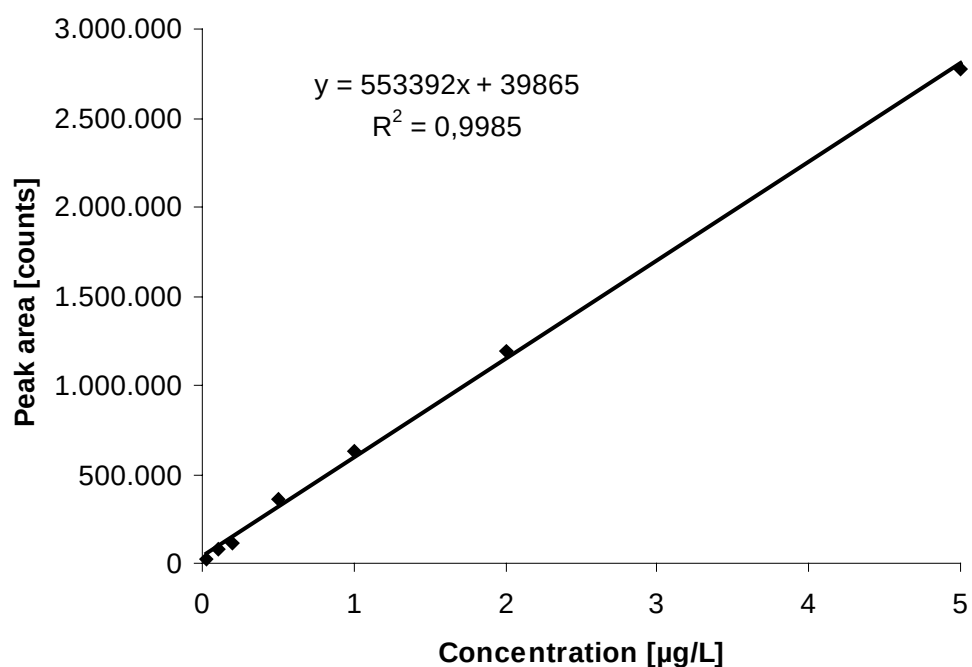
Acetamiprid: 223→126

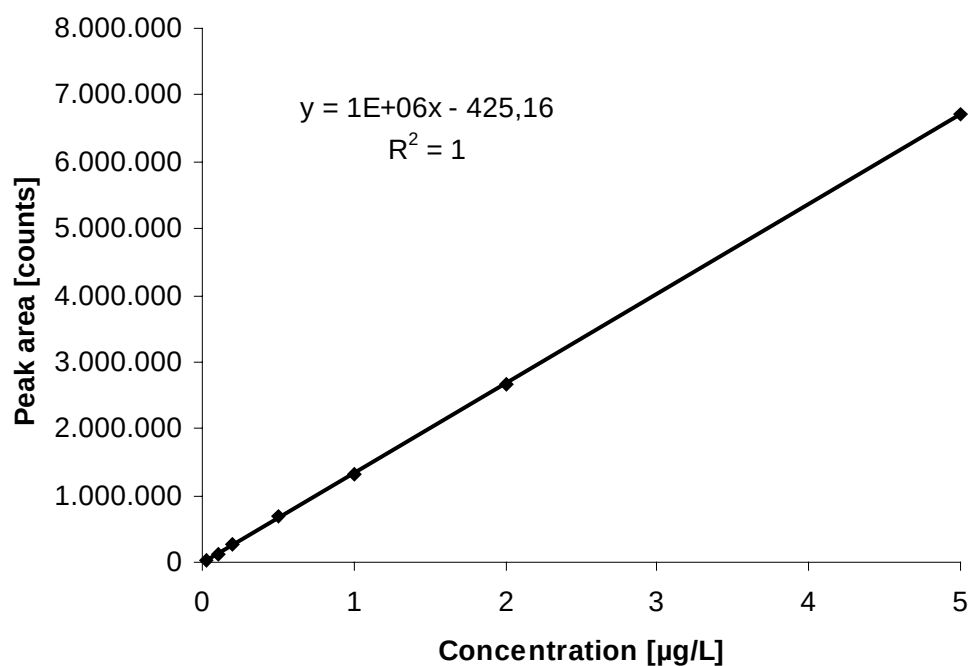
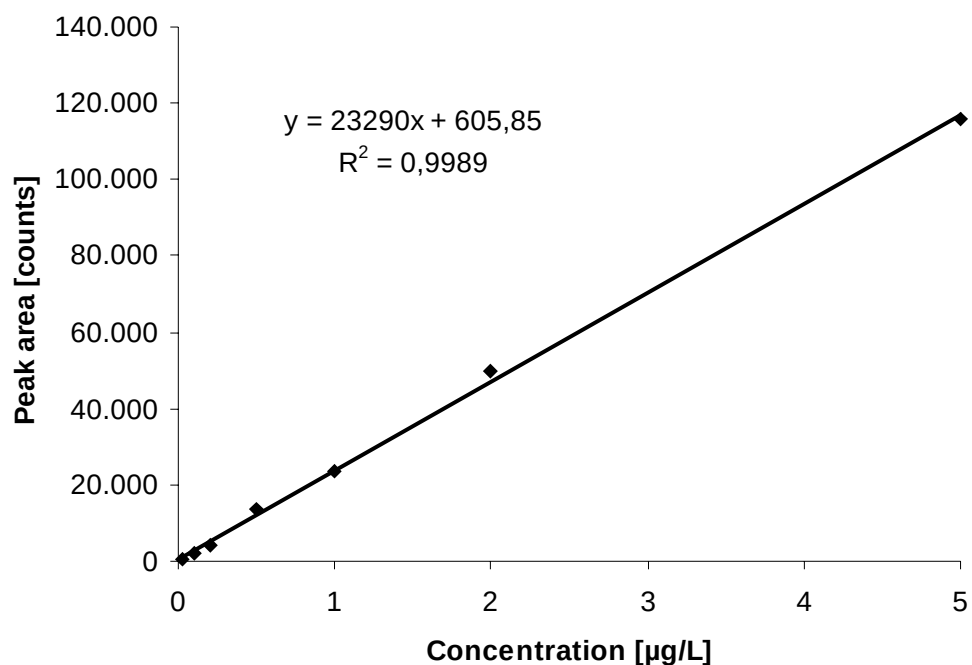


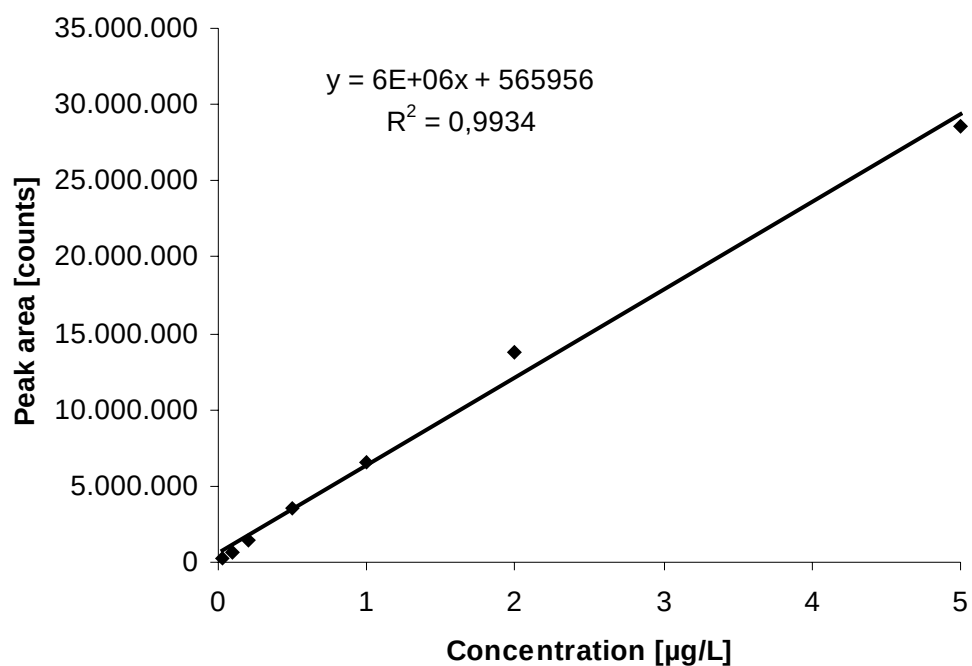
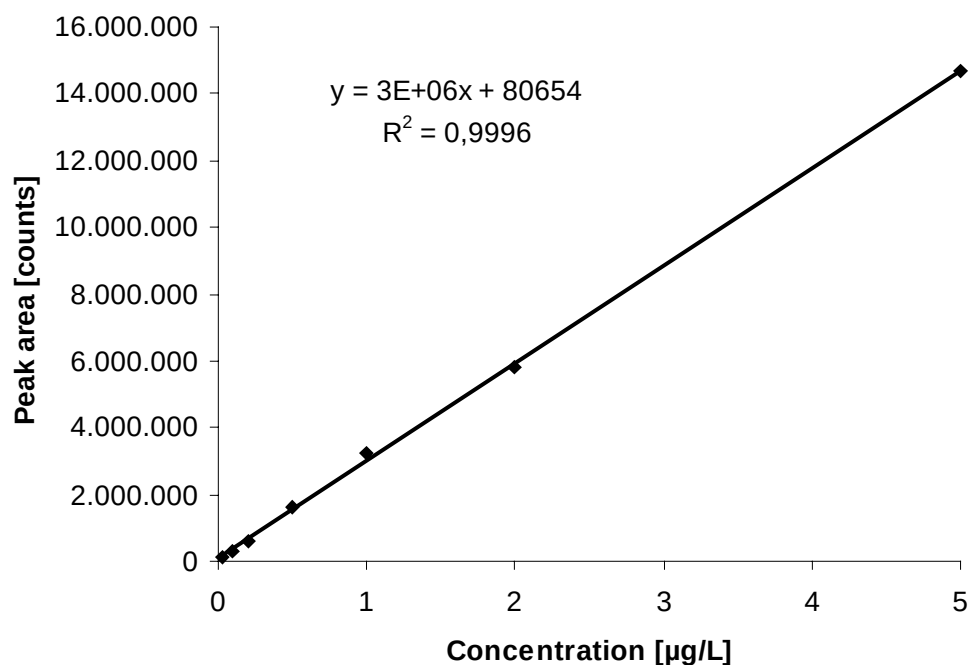
Alachlor: 270→238

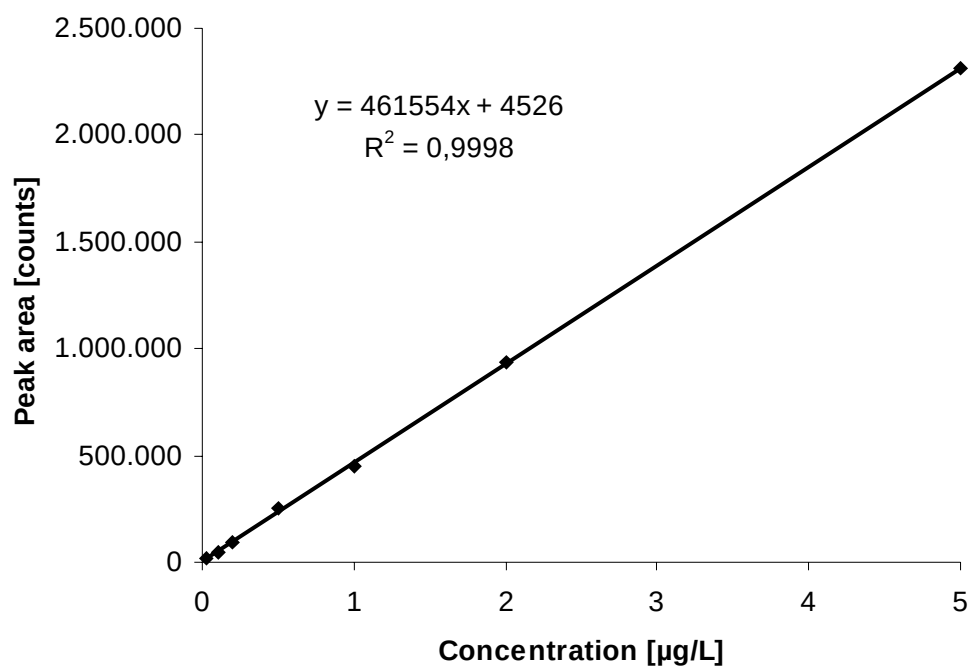
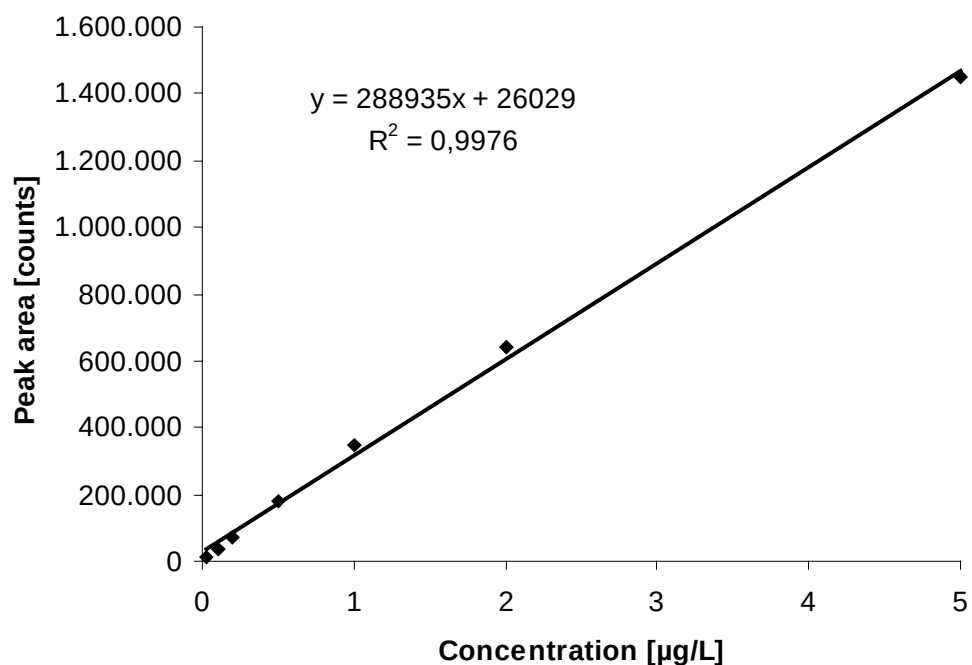


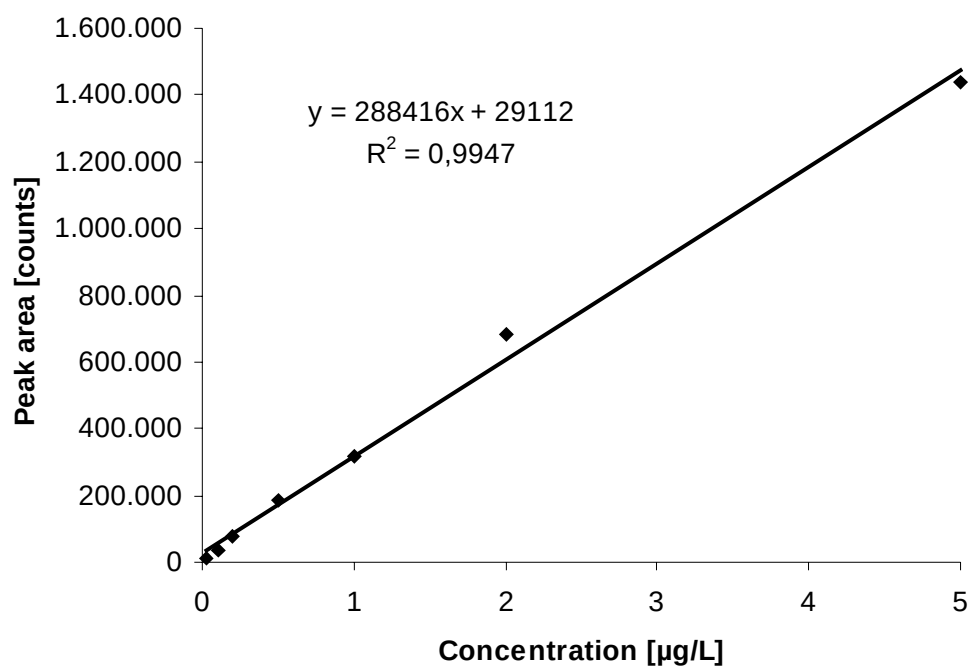
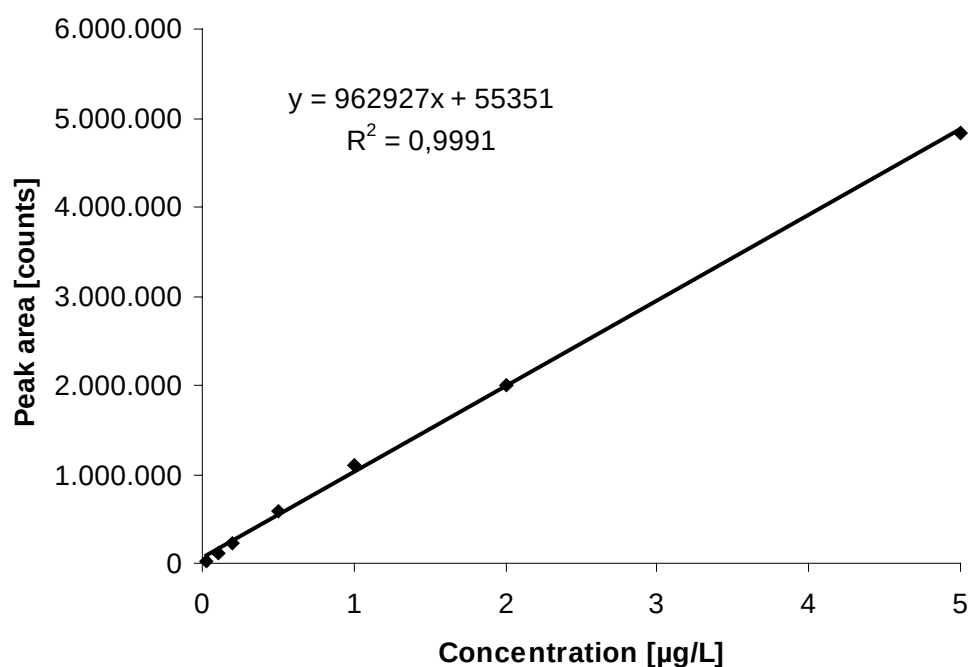
Aldicarb: 208→89**Aldicarb-sulfoxid: 207→89**

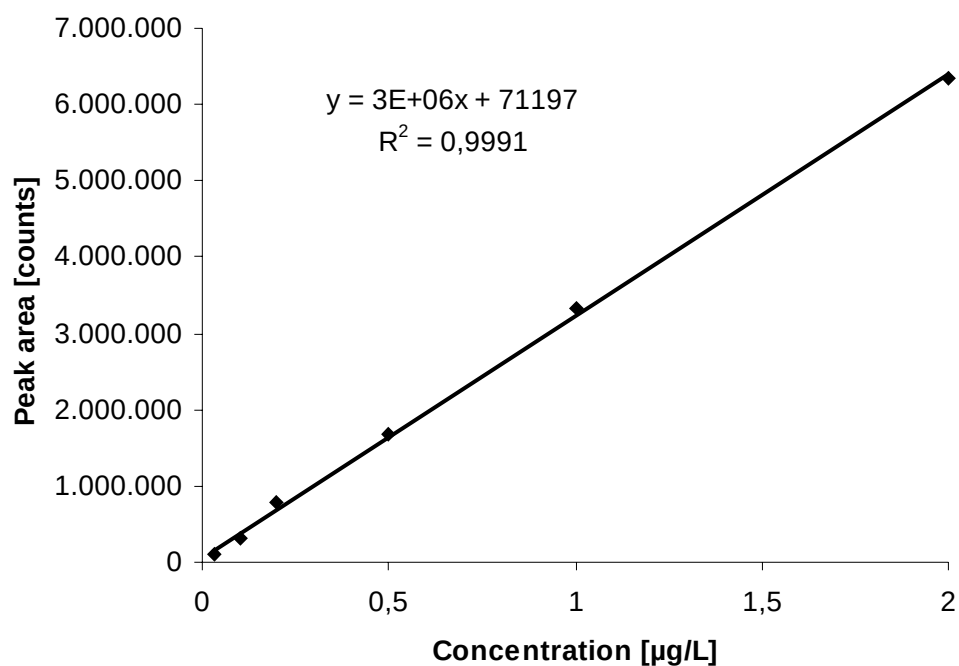
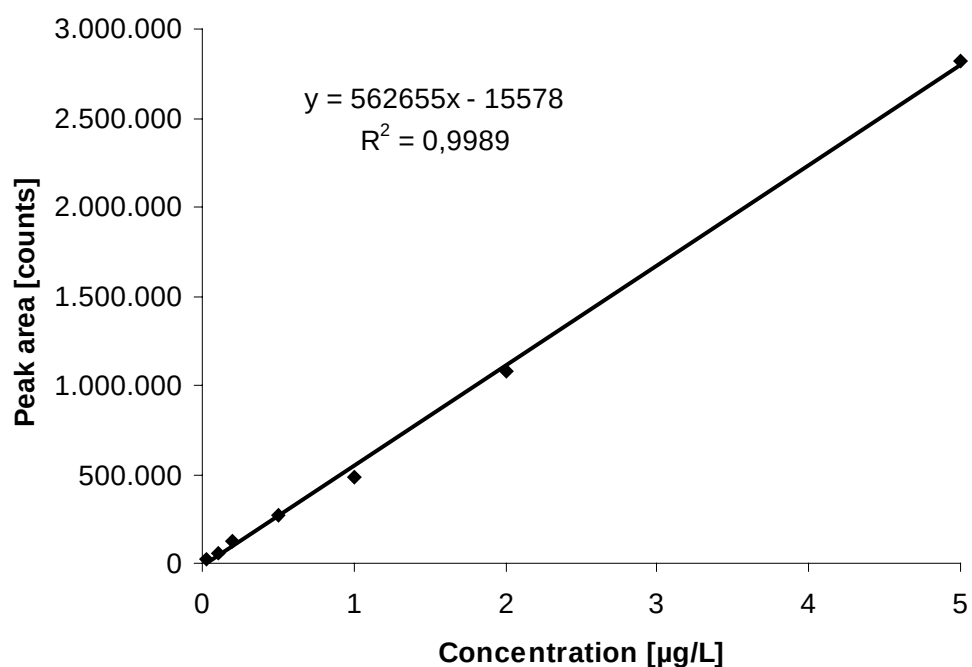
Aldoxycarb: 240→148**Alloxydim: 334→178**

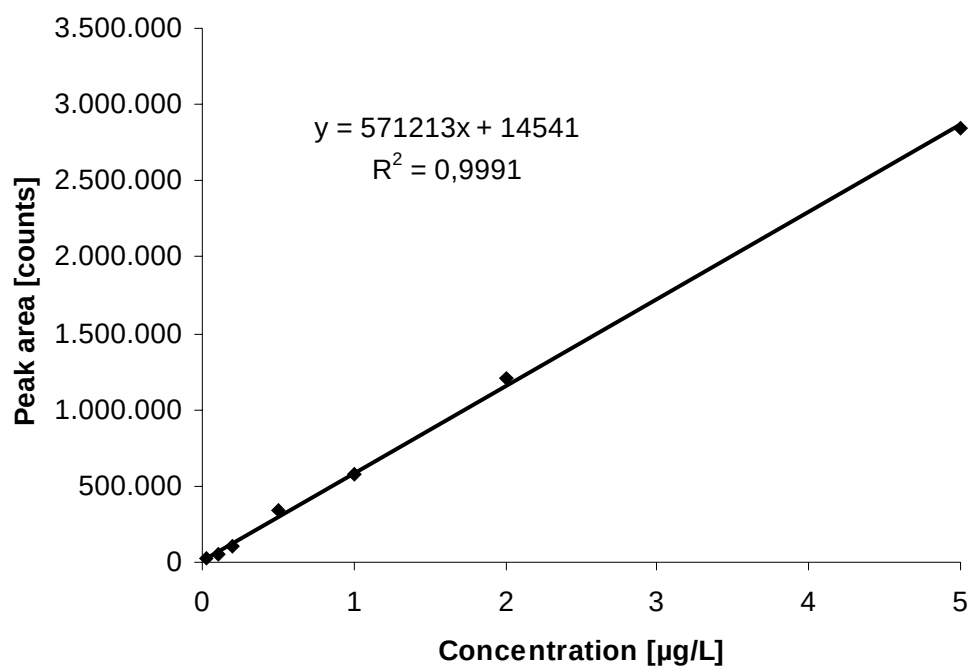
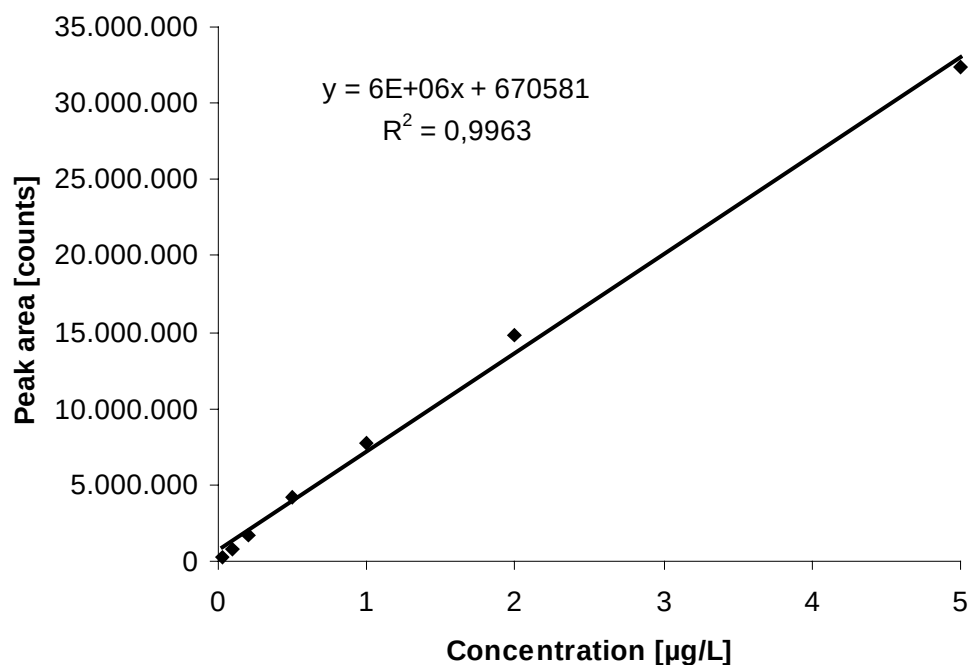
Ametryn: 228→186**Amidosulfuron: 370→261**

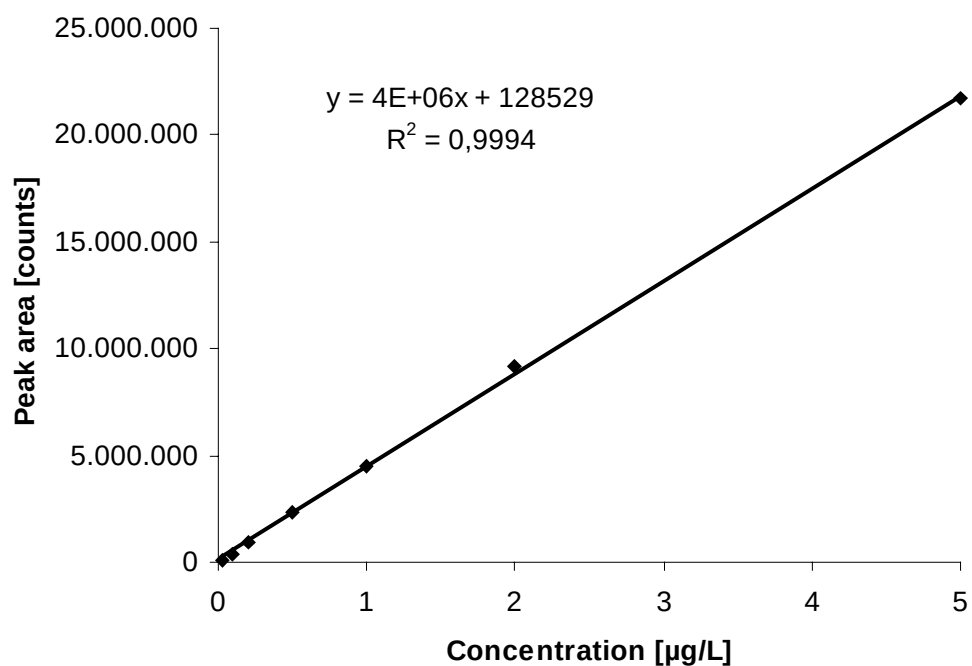
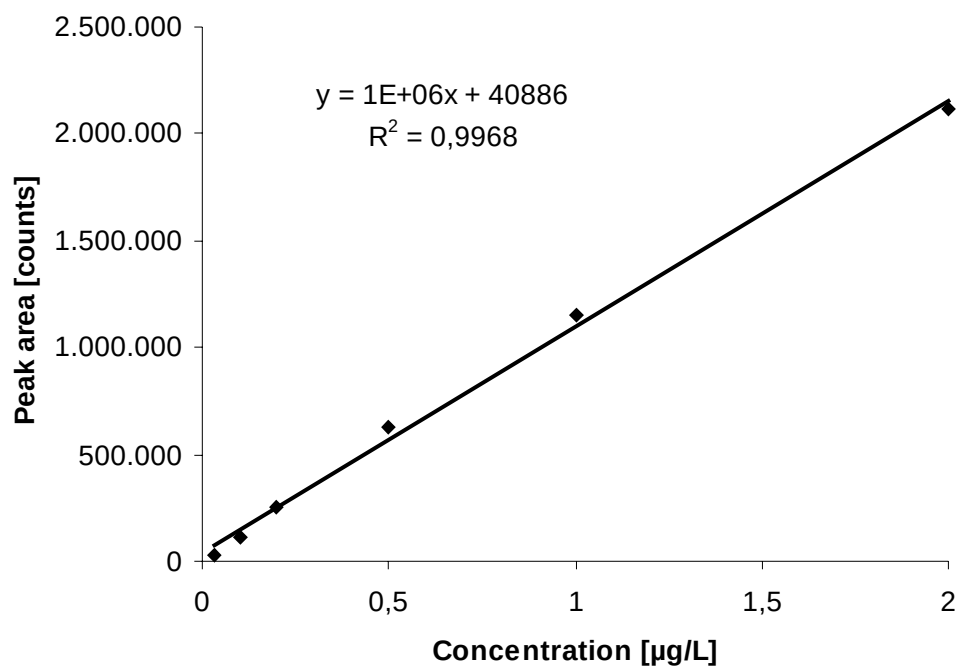
Aminocarb: 209→137**Atrazin: 216→174**

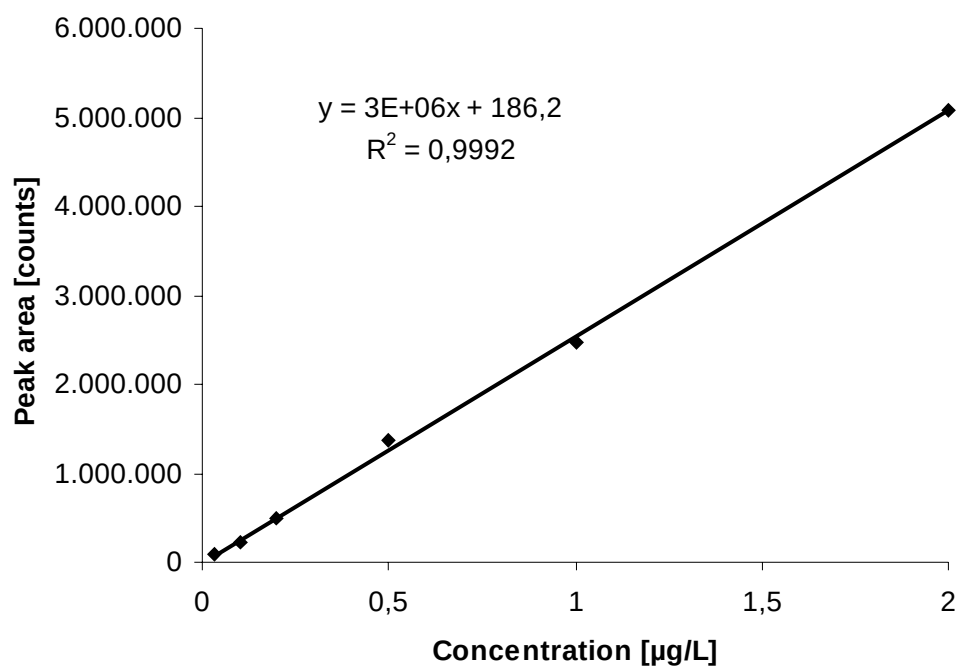
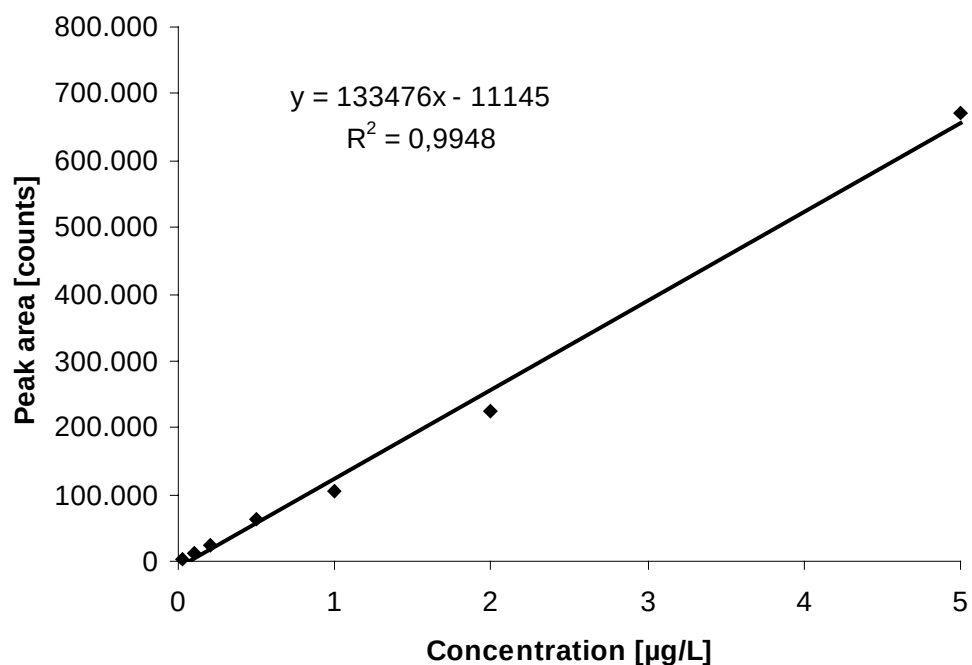
Atrazine-2-hydroxy: 198→156**Atrazine-desethyl: 188→146**

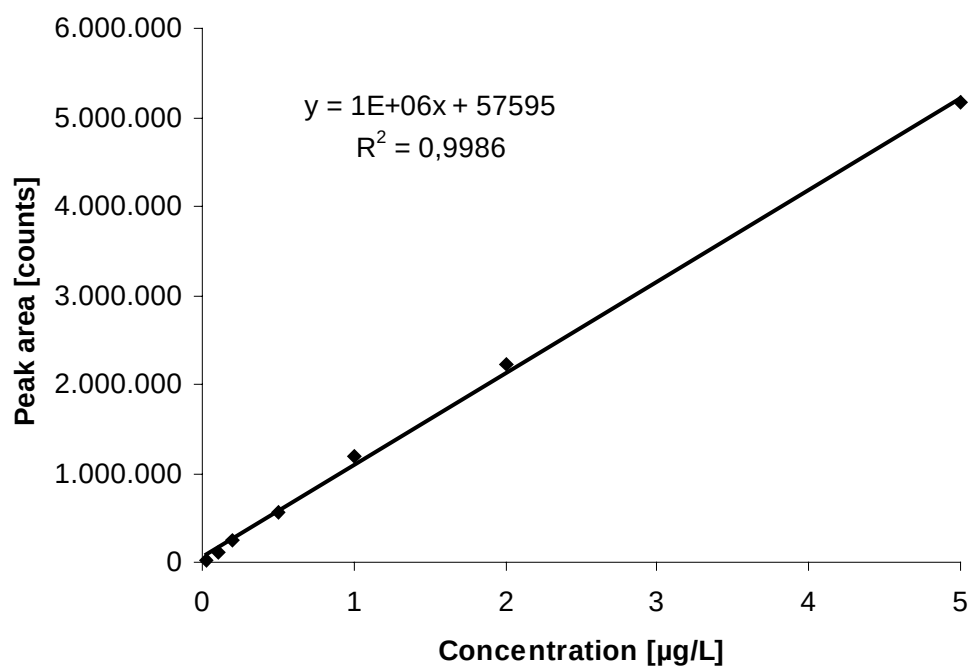
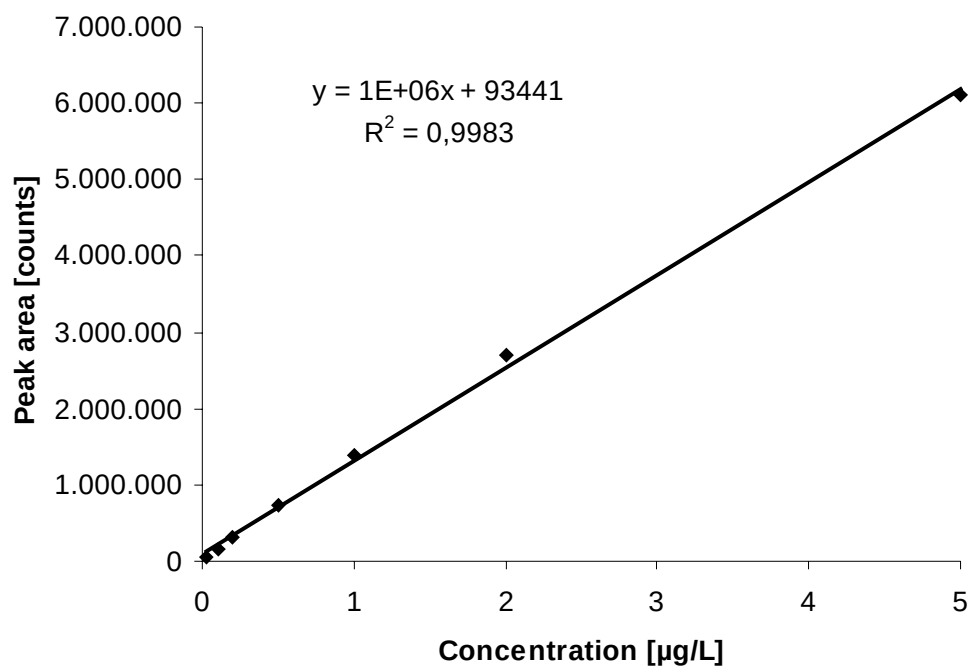
Atrazine-desethyl-2-hydroxy: 170→128**Azaconazole: 300→159**

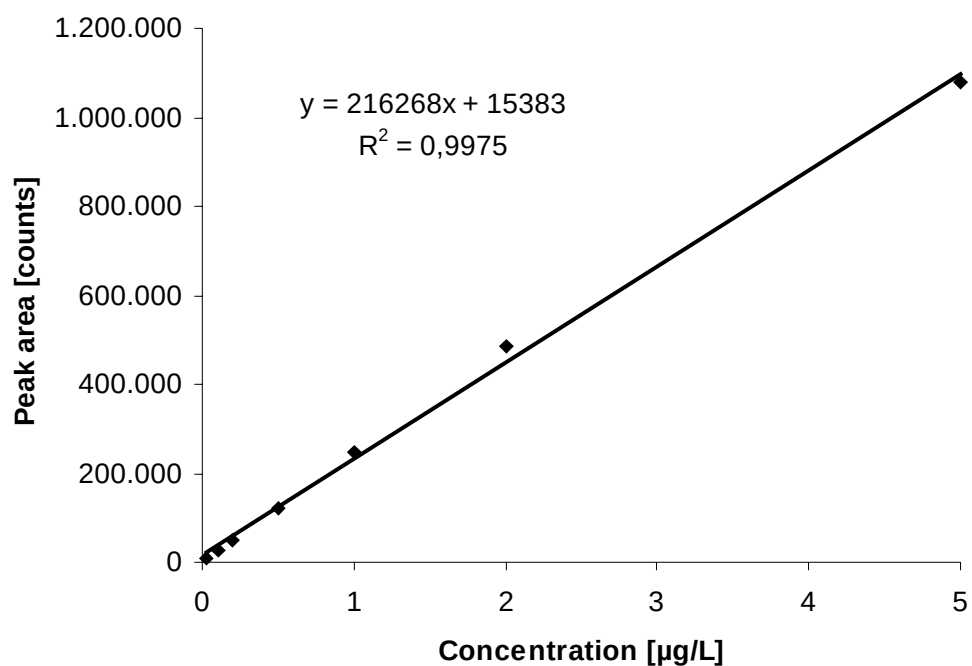
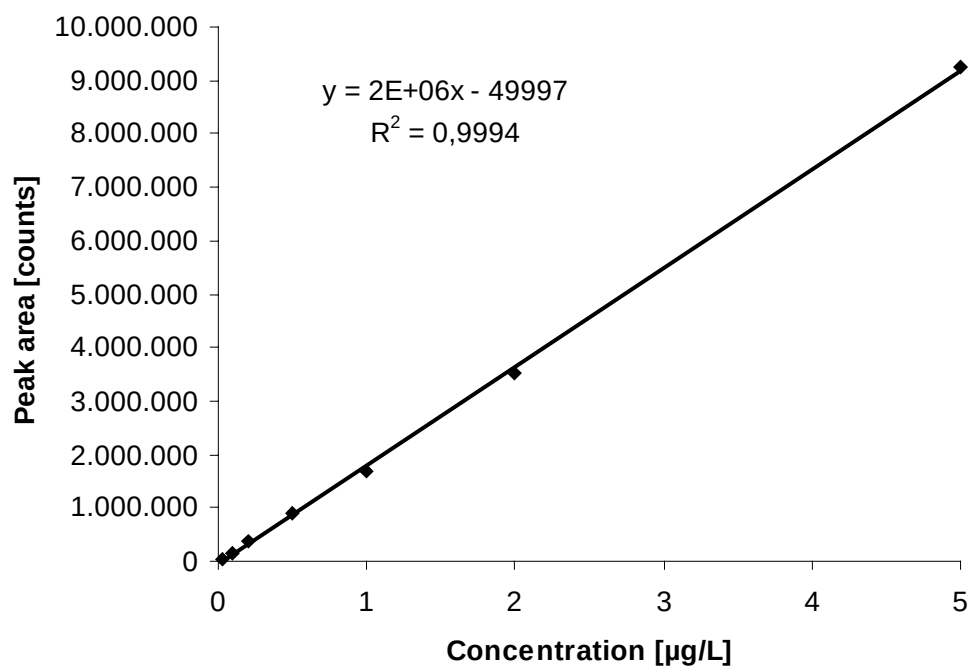
Azamethiphos: 325→183**Azinphos-ethyl: 346→132**

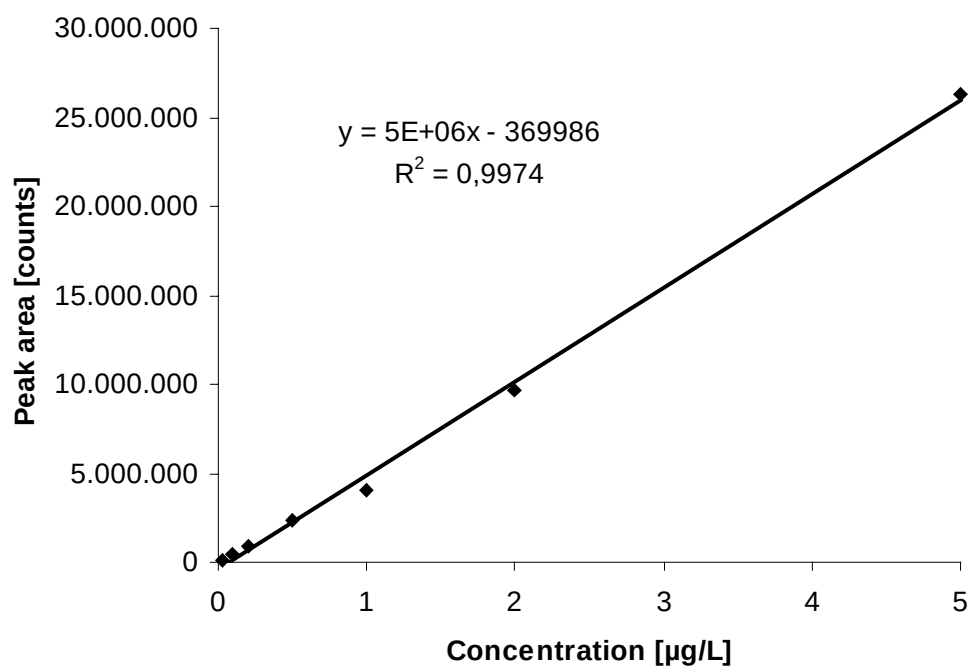
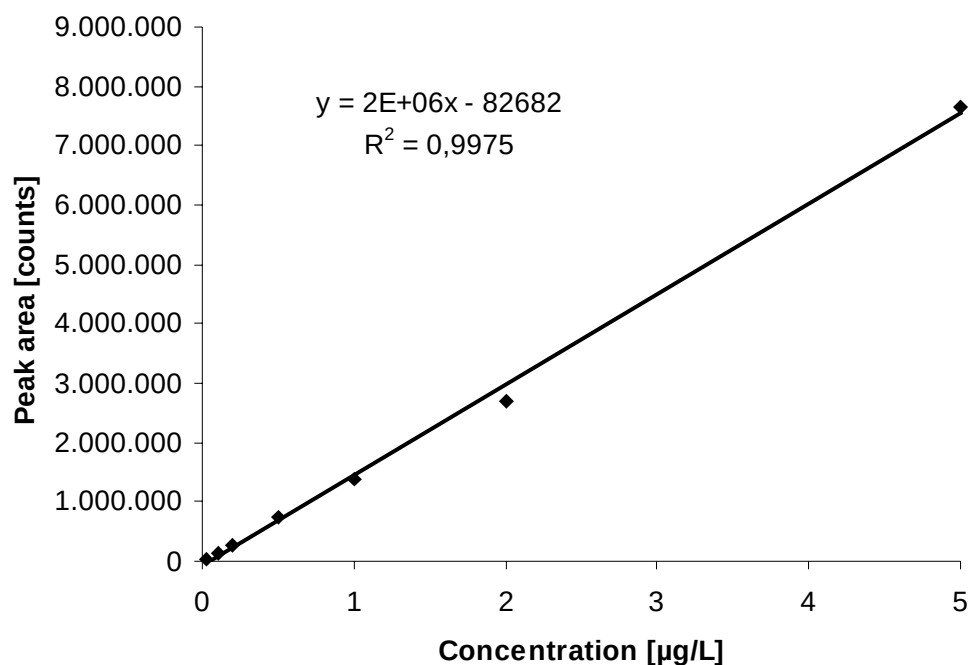
Azinphos-methyl: 318→132**Azoxystrobin: 404→372**

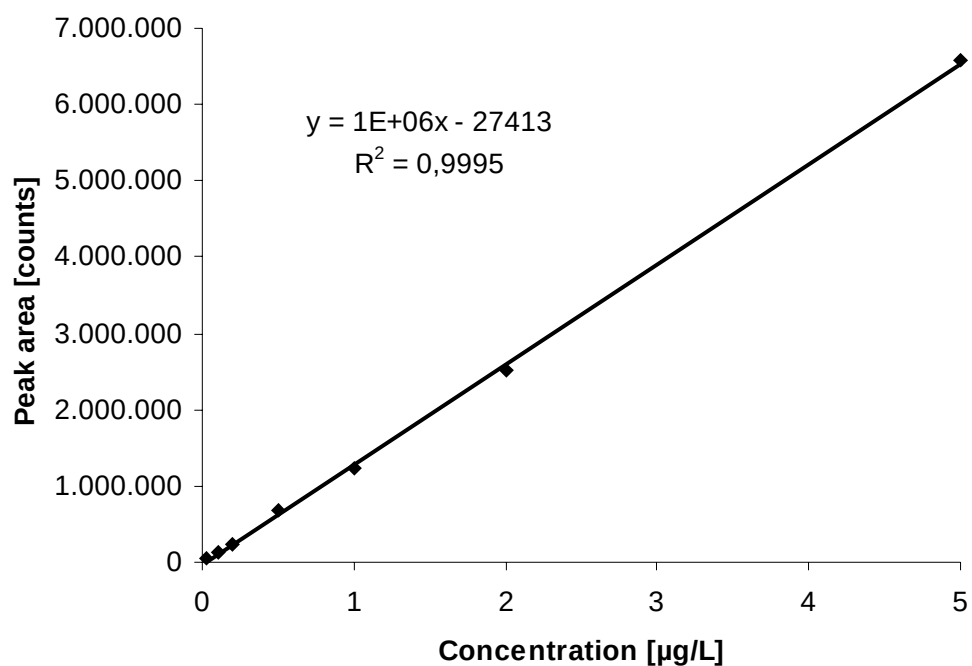
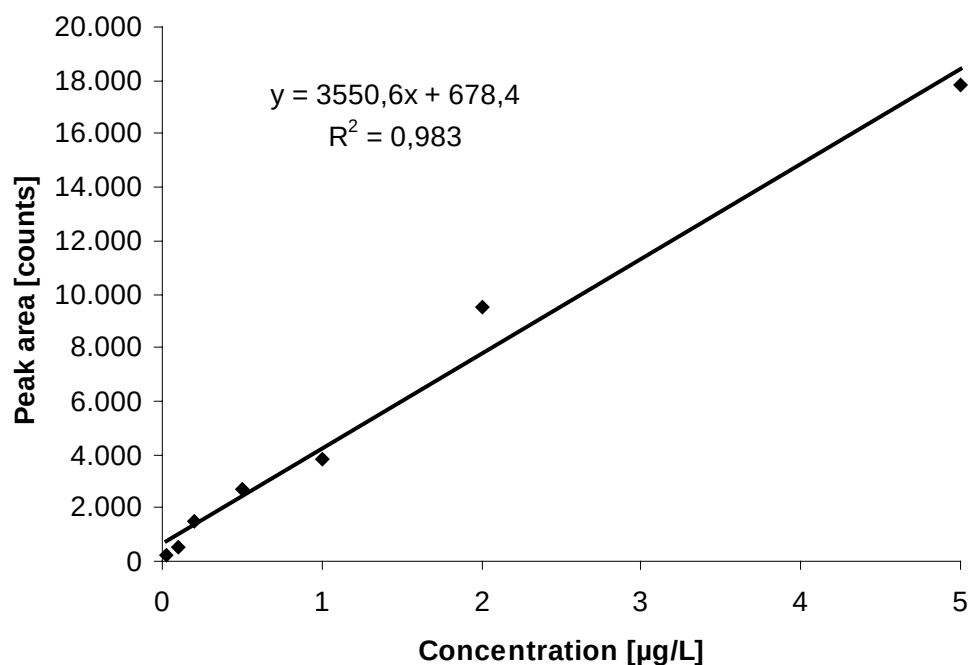
Benalaxyl: 326→148**Bendiocarb: 224→167**

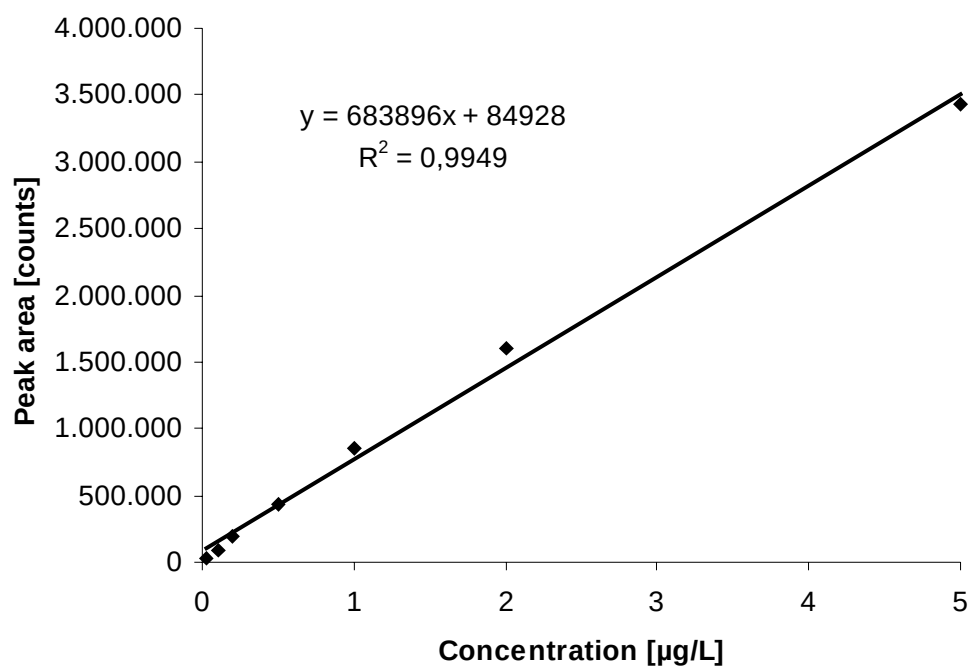
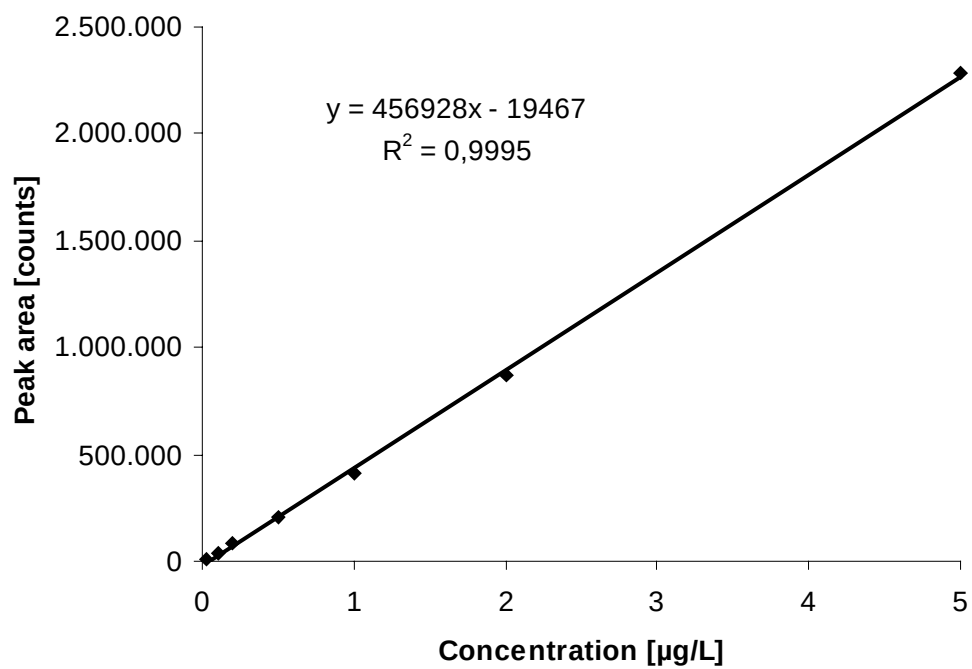
Benzoximate: 364→199**Bitertanol: 338→70**

Boscalid: 343→307**Bromacil: 261→205**

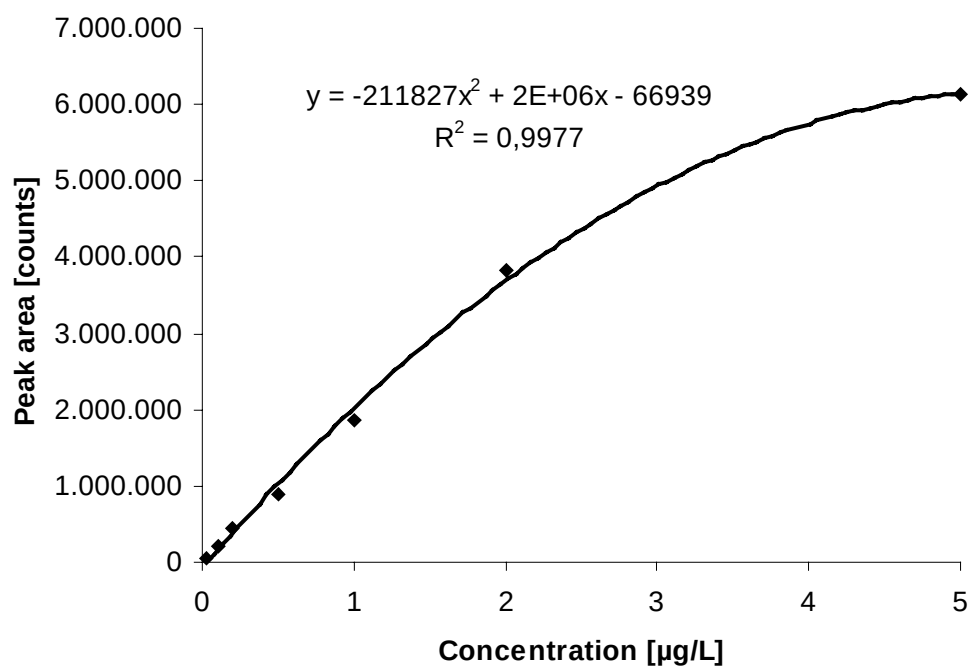
Bromuconazole: 378→159**Bupirimate: 317→166**

Buprofezin: 306→201**Butocarboxim: 208→75**

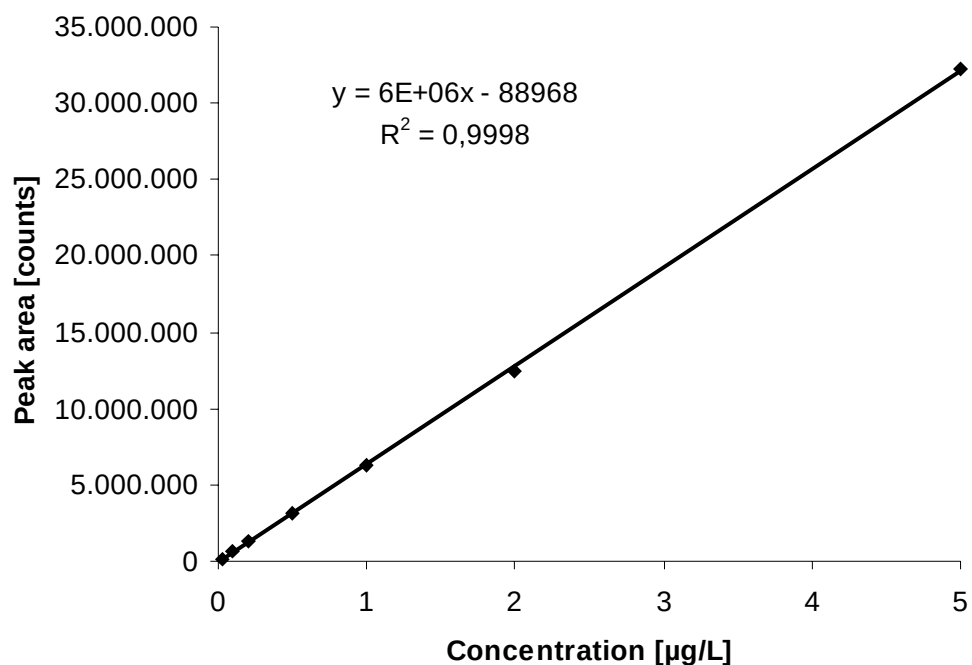
Butocarboxim-sulfoxid: 207→75**Butoxycarboxim: 223→166**

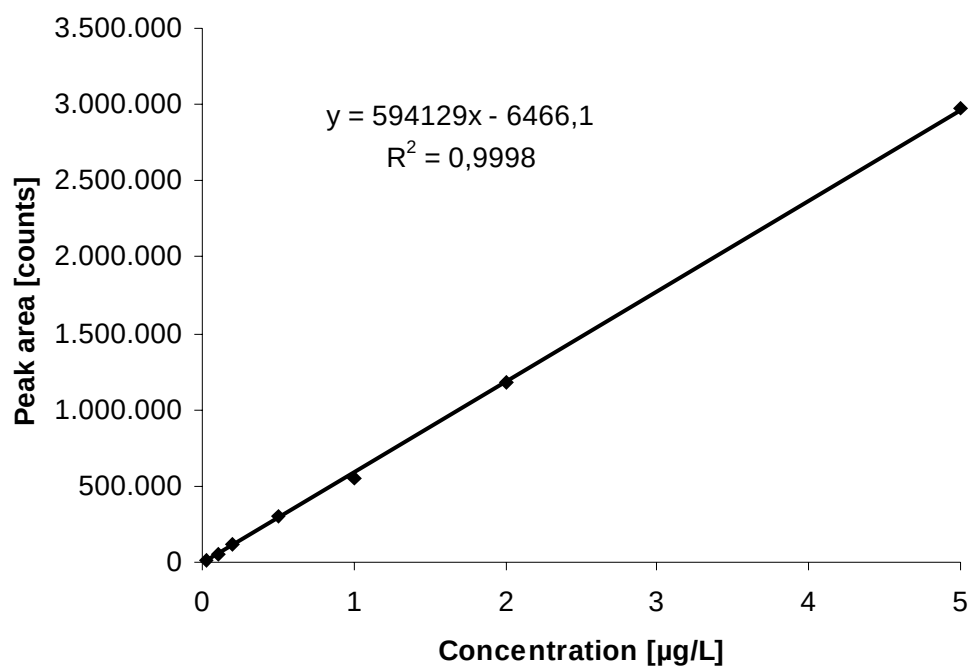
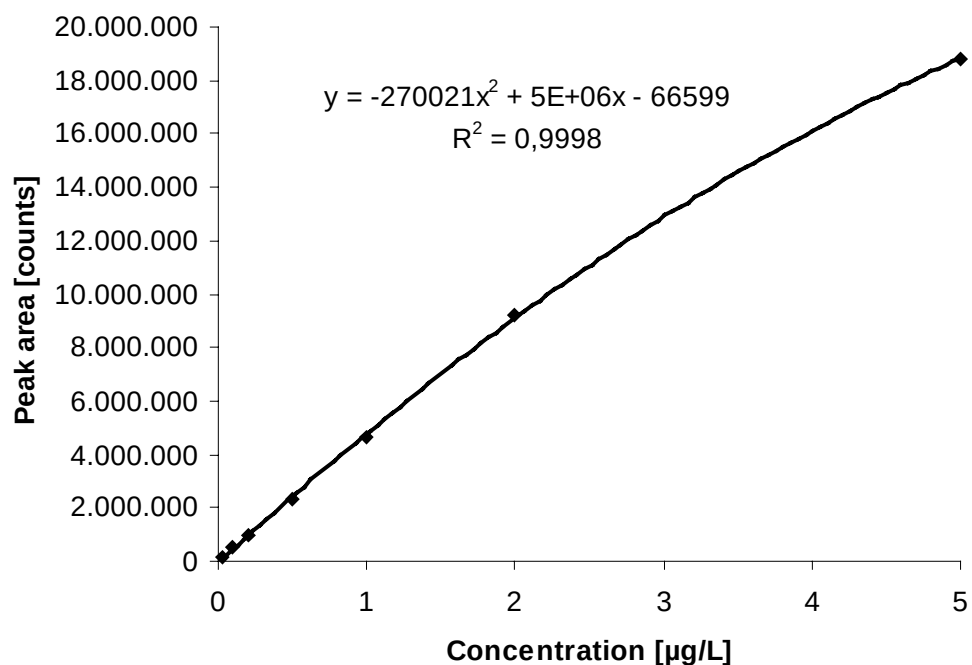
Buturon: 237→84**Butylate: 218→57**

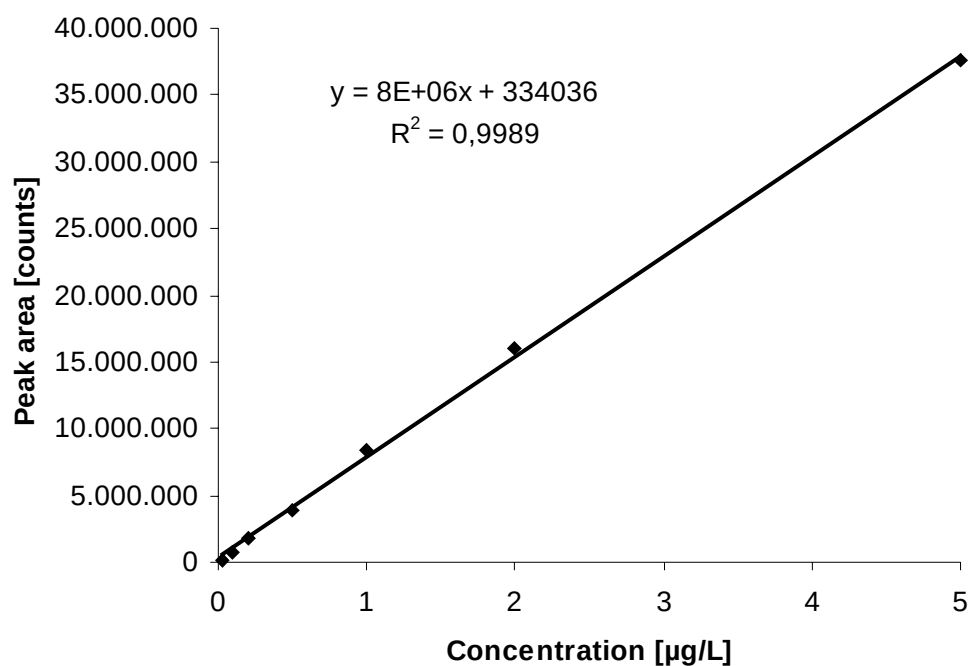
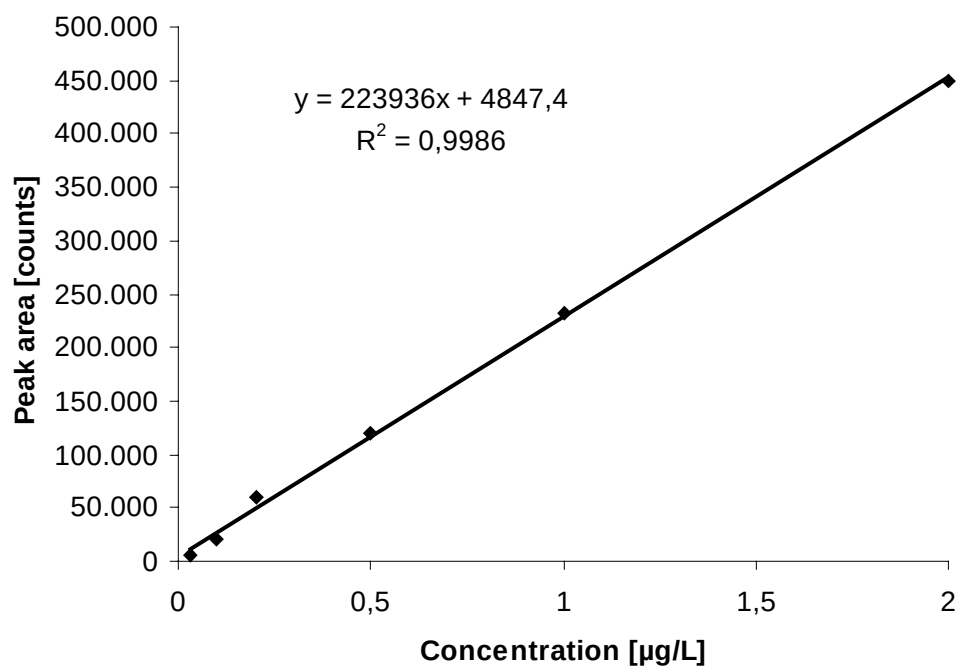
Carbaryl: 202→145

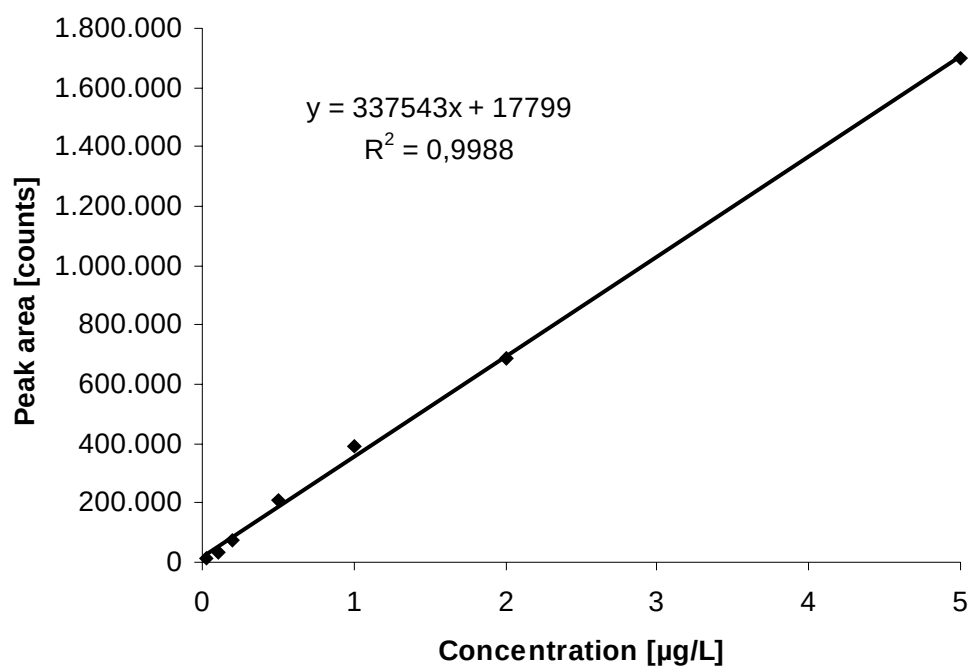
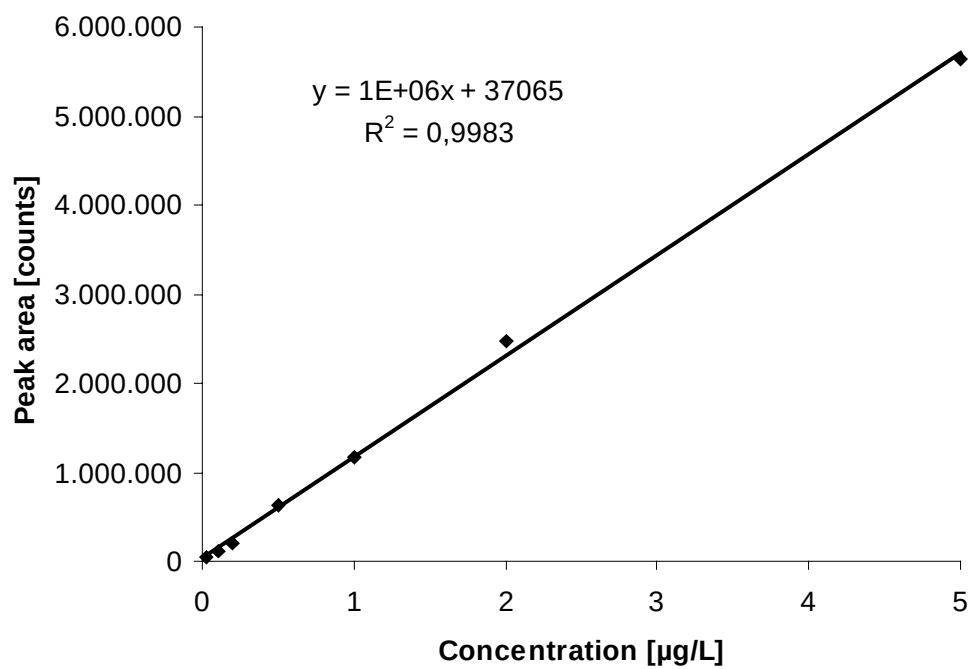


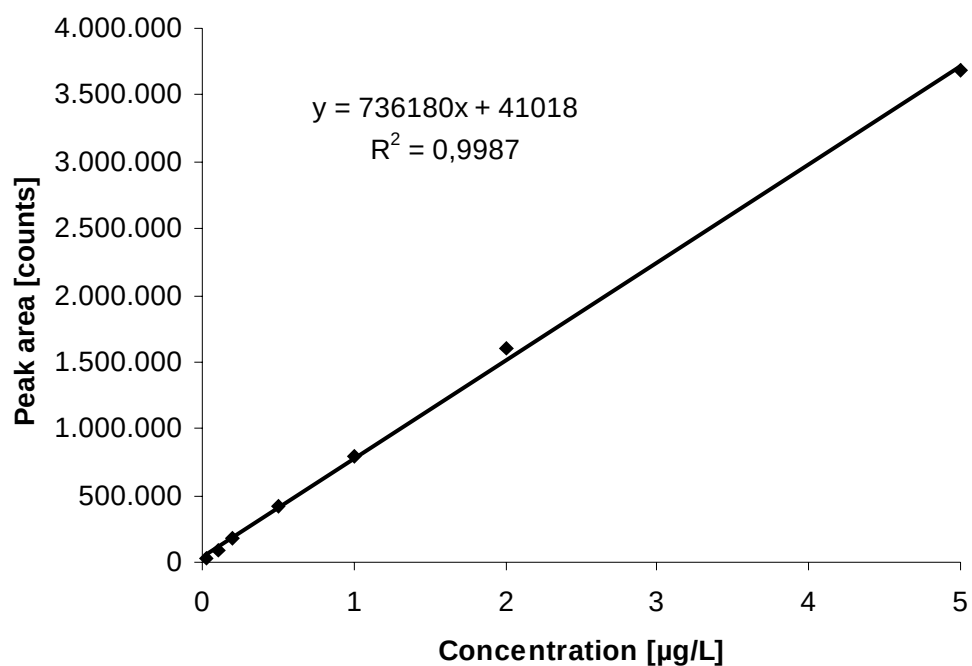
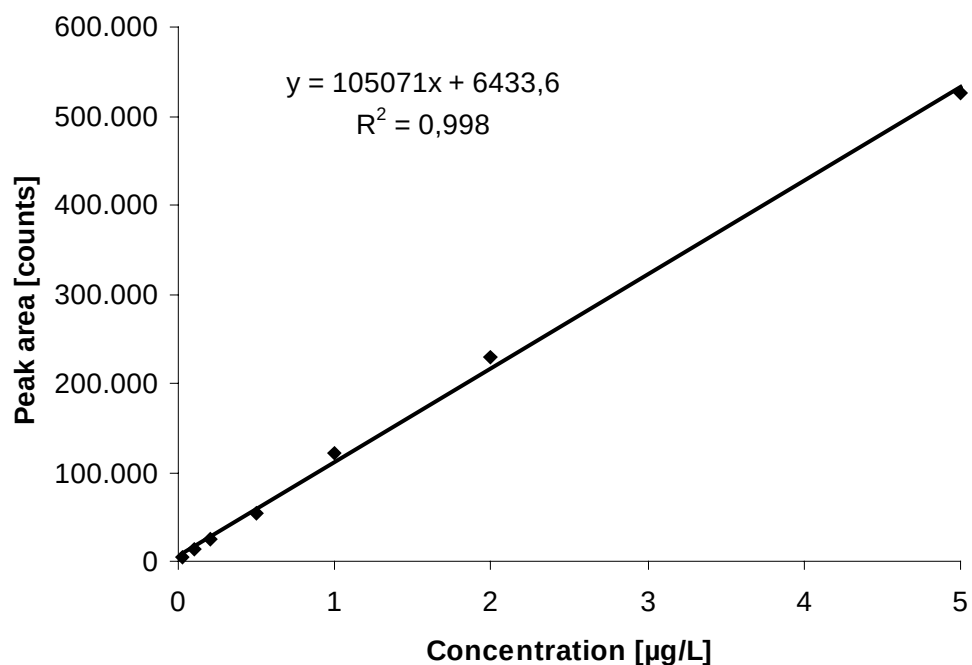
Carbendazim: 192→160

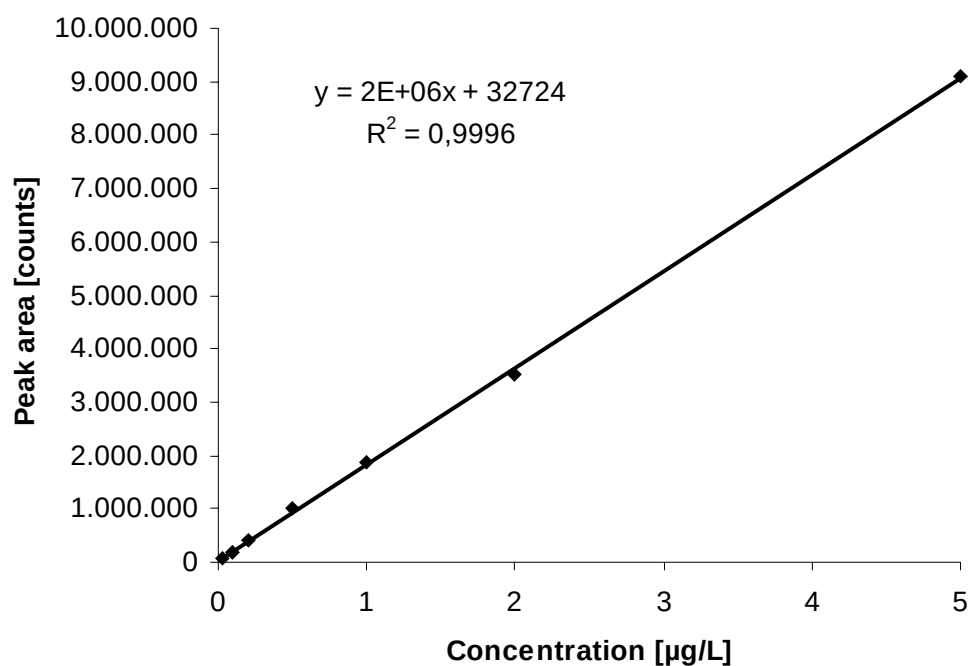
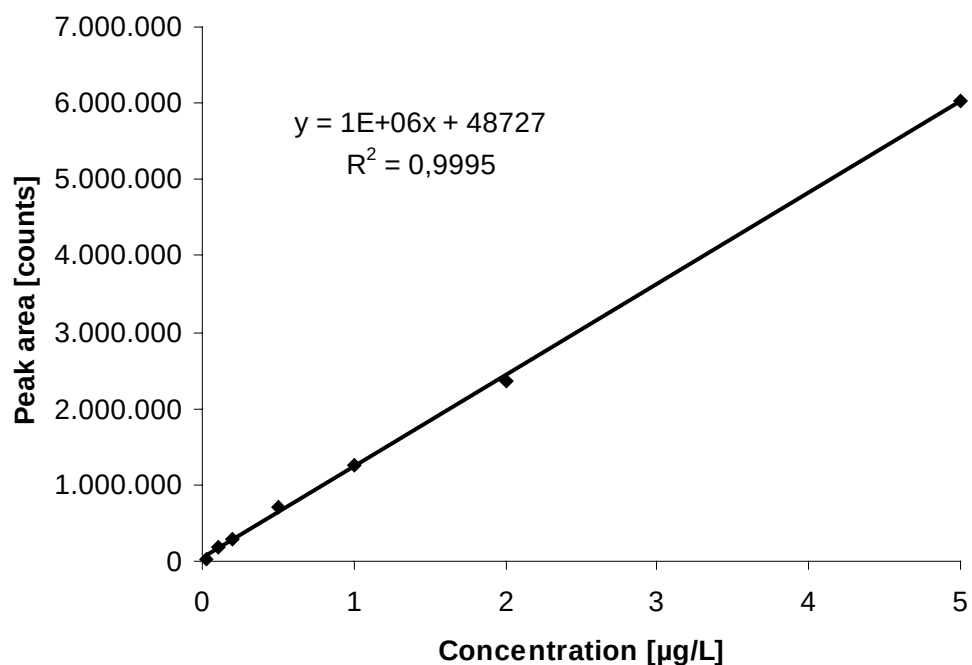


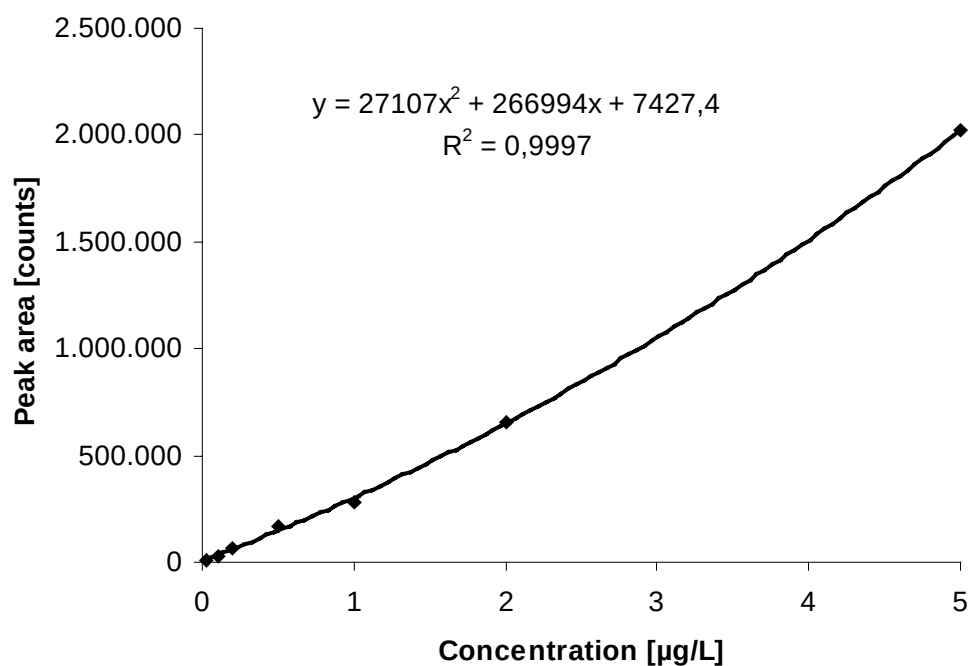
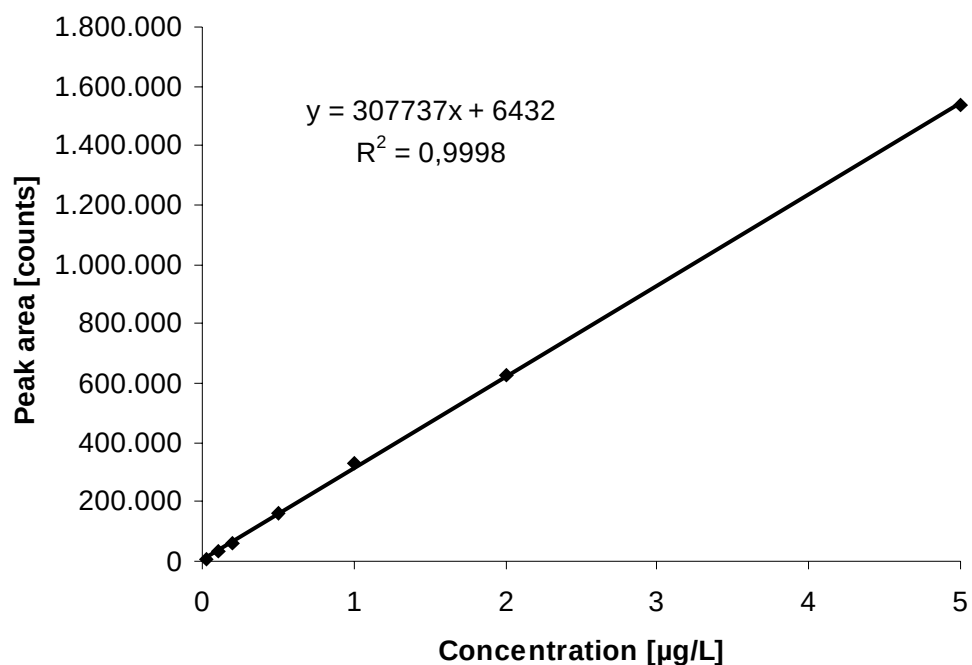
Carbetamide: 237→192**Carbofuran: 222→165**

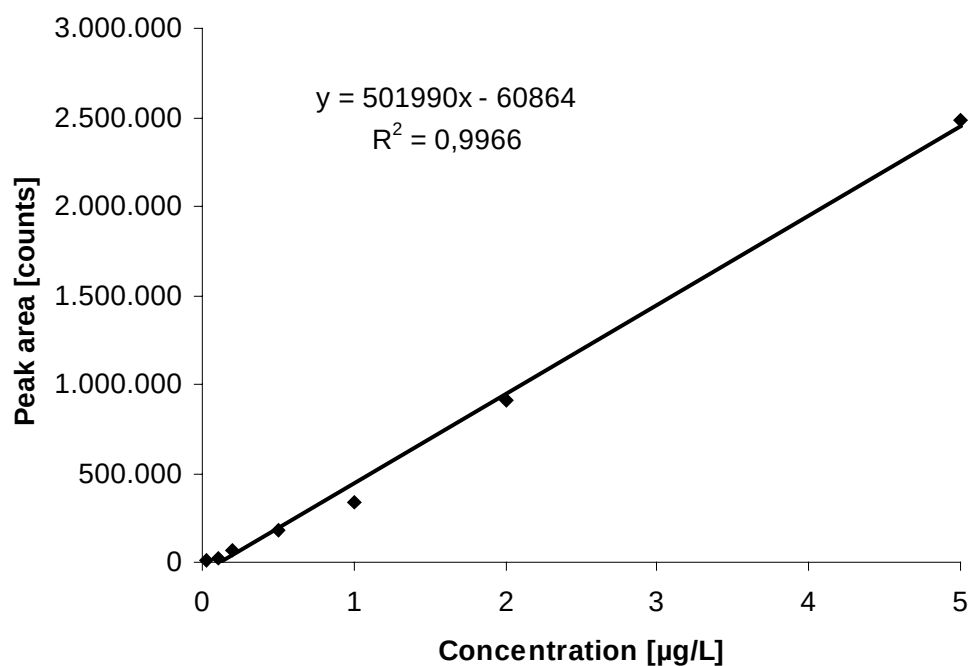
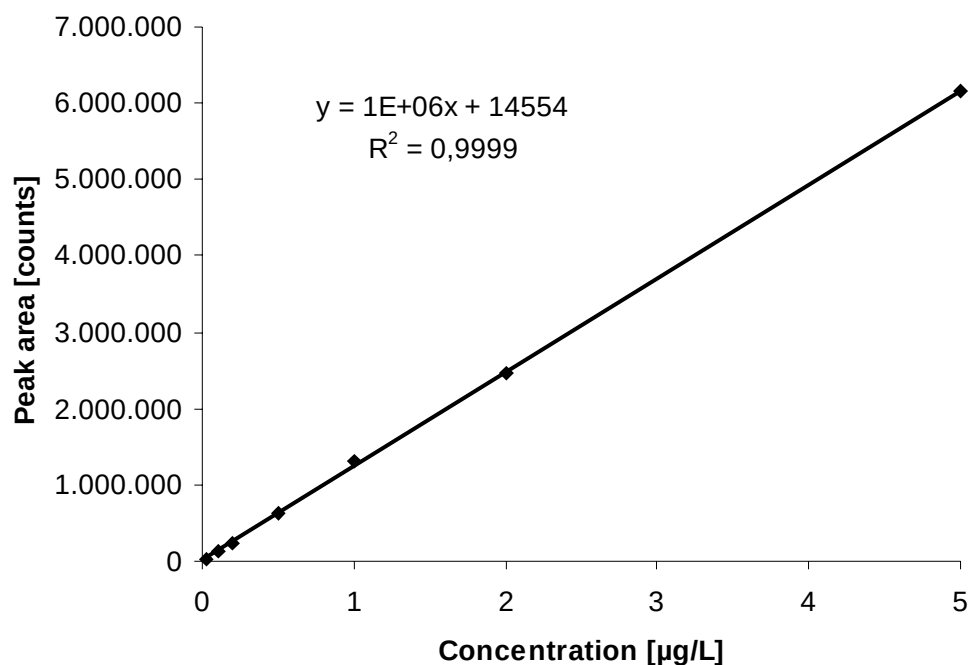
Carboxin: 236→143**Carfentrazone-ethyl: 412→346**

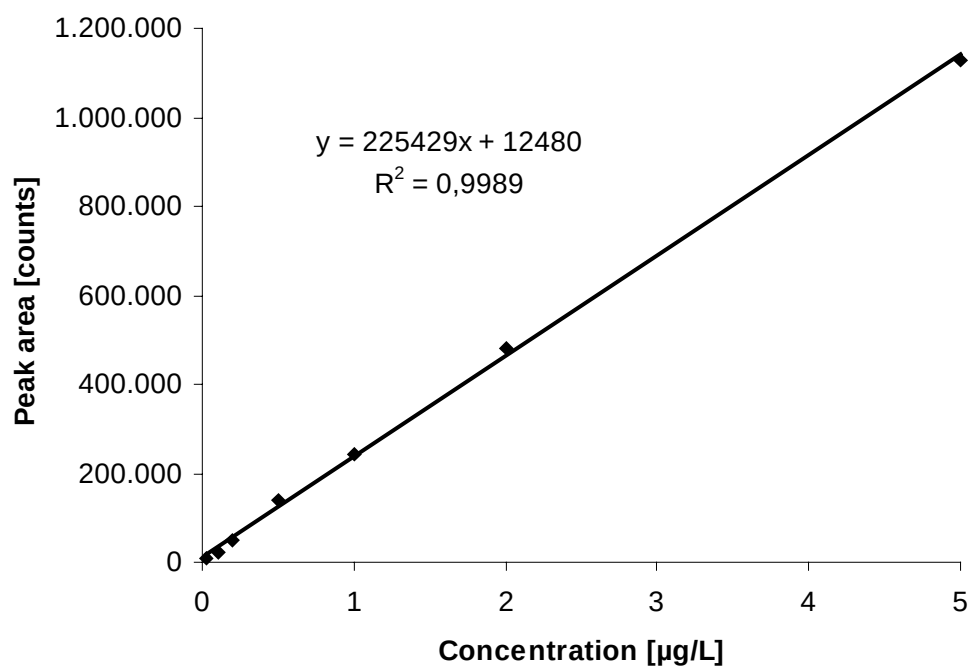
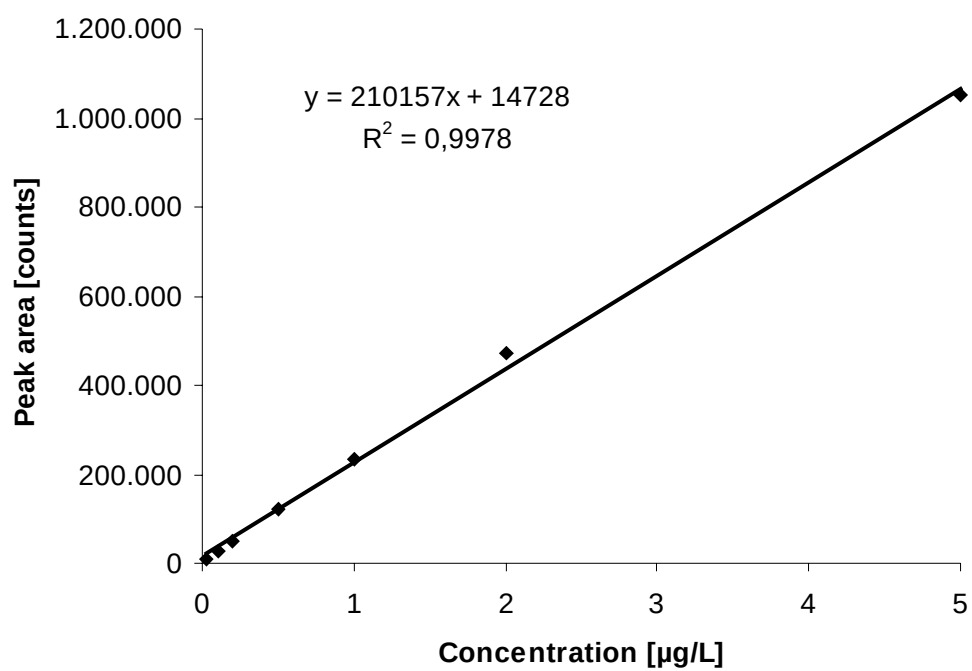
Chlorbromuron: 293→204**Chlorfenvinphos: 359→155**

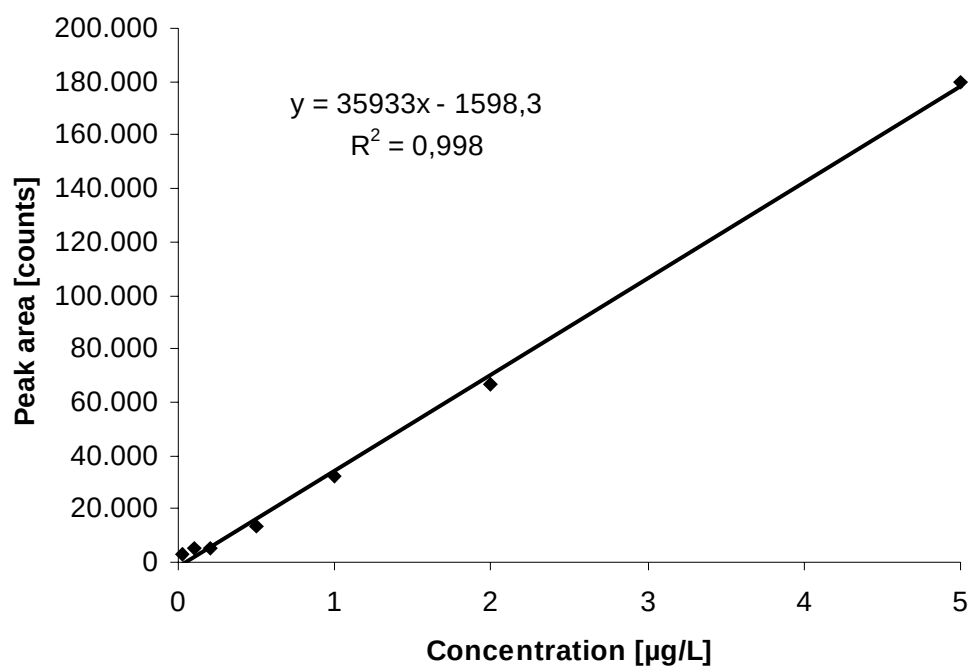
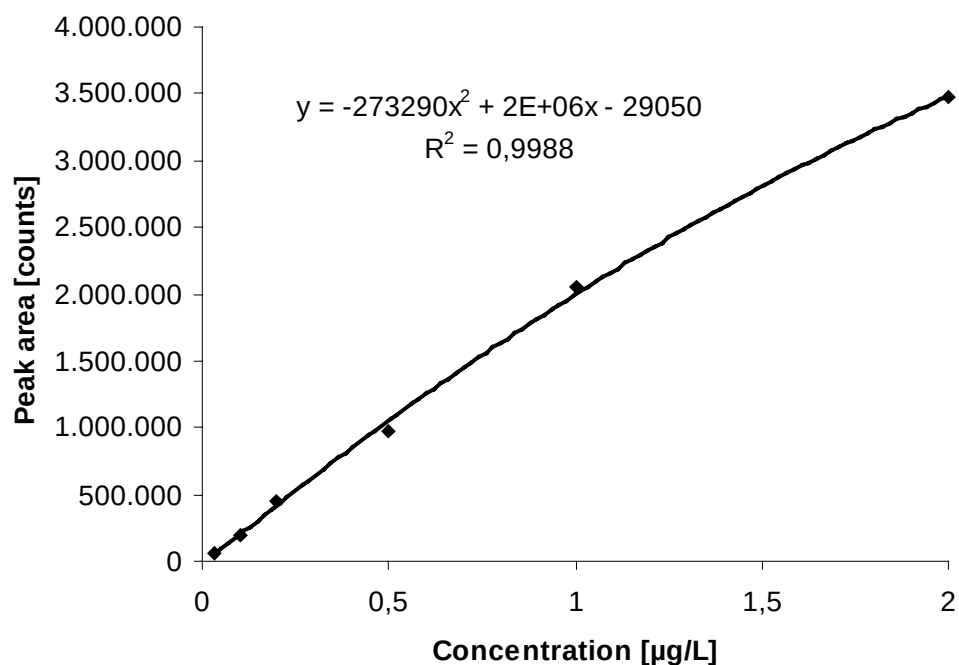
Chloridazon: 222→104**Chlorimuron-ethyl: 415→186**

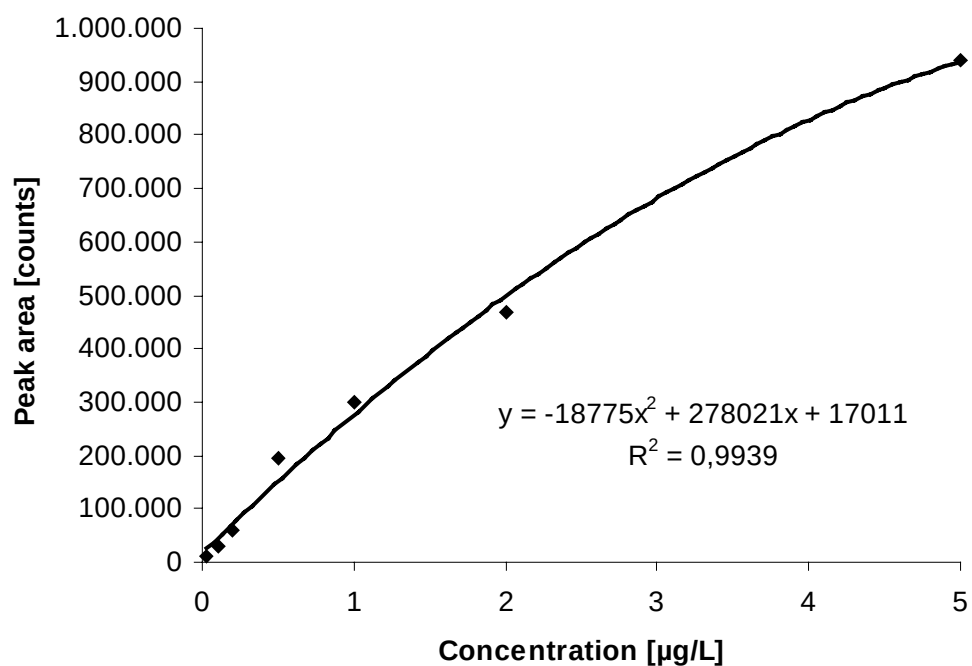
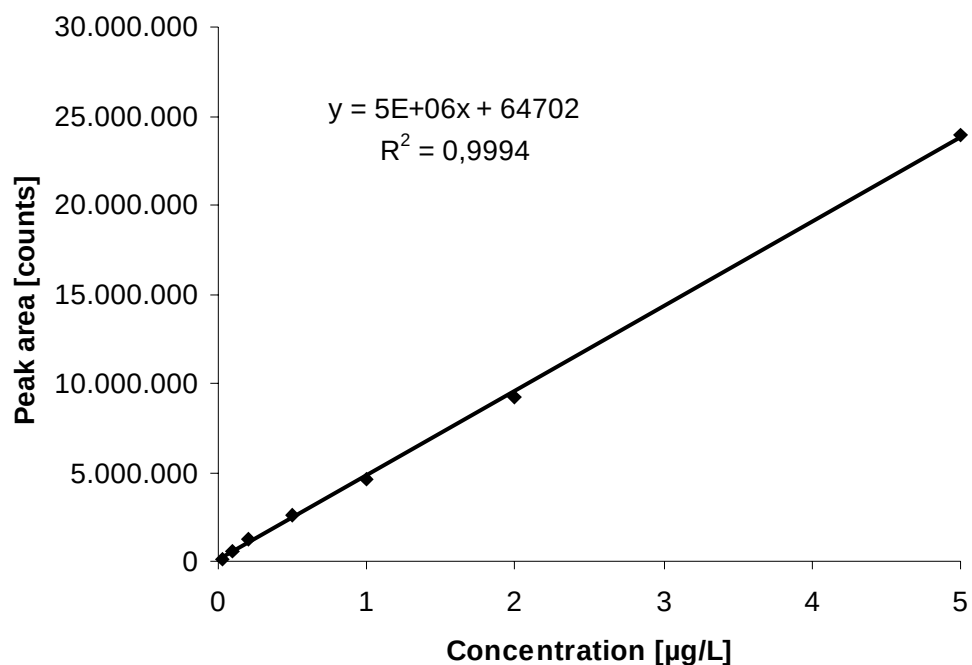
Chlorotoluron: 213→72**Chloroxuron: 291→72**

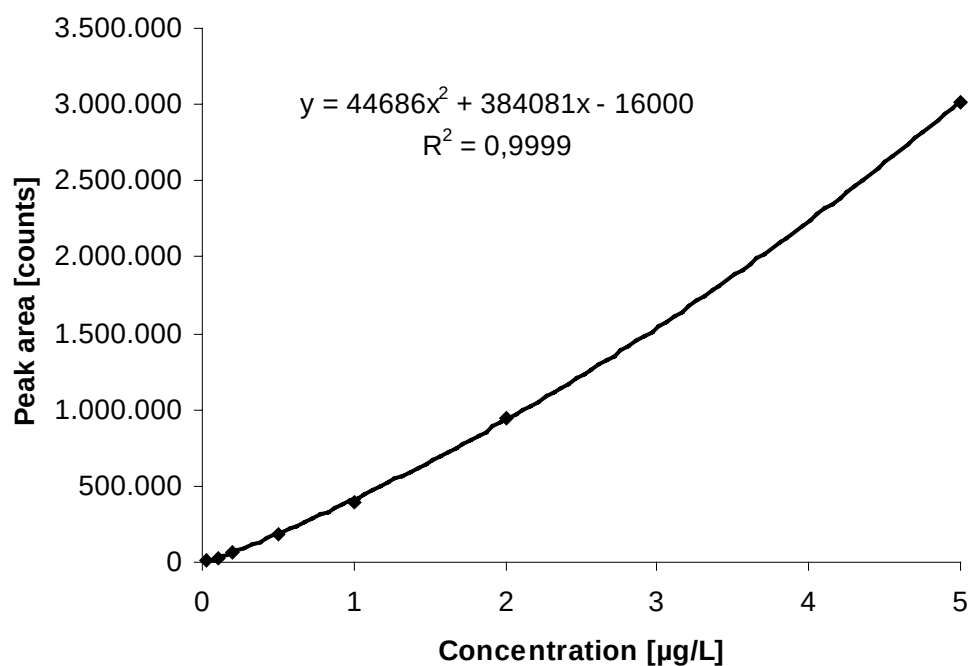
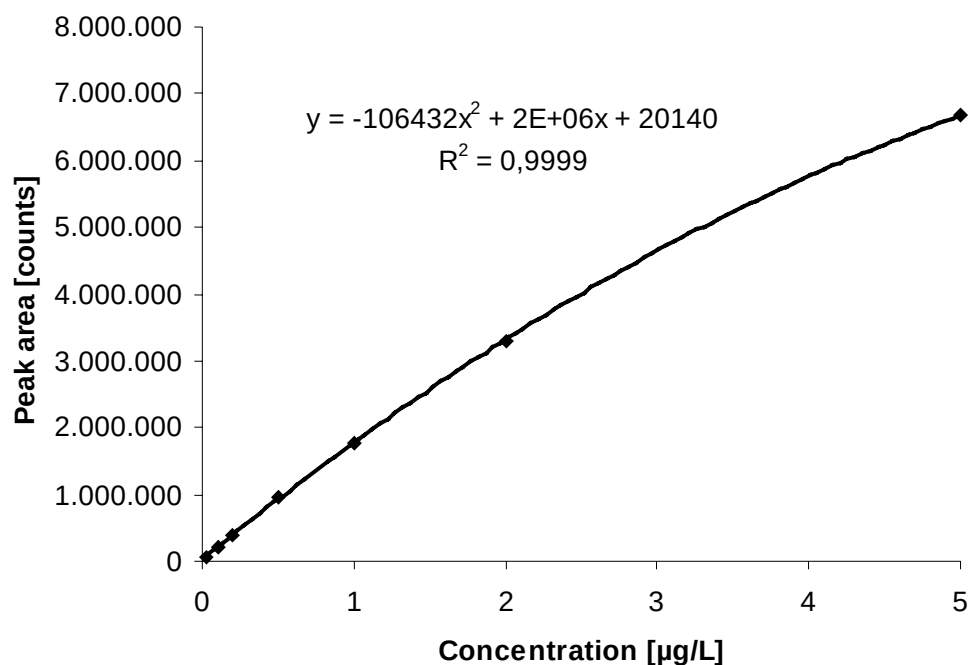
Chlorpyrifos: 350→97**Chlorsulfuron: 358→141**

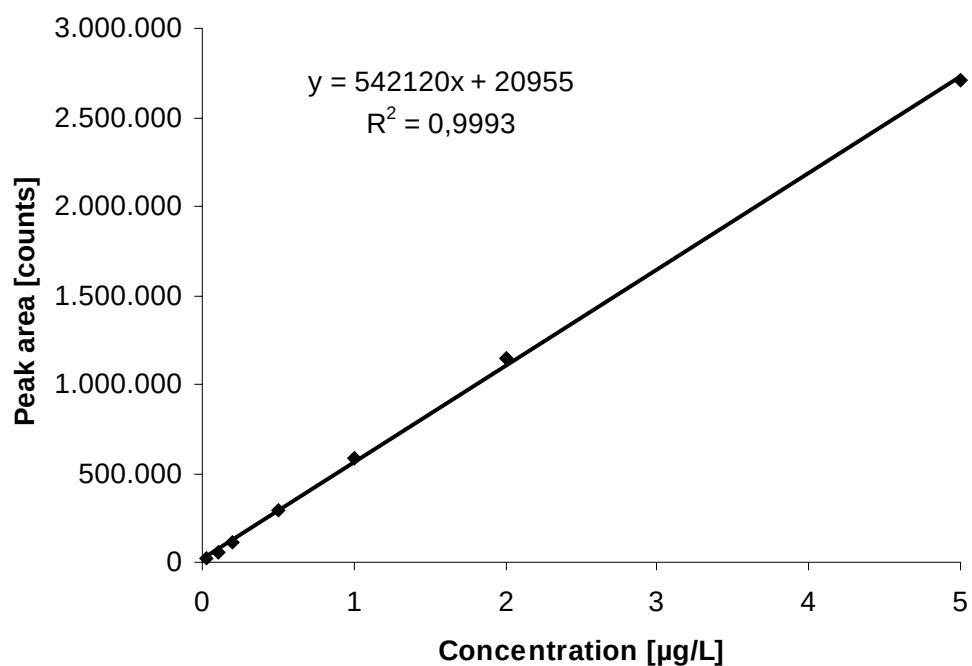
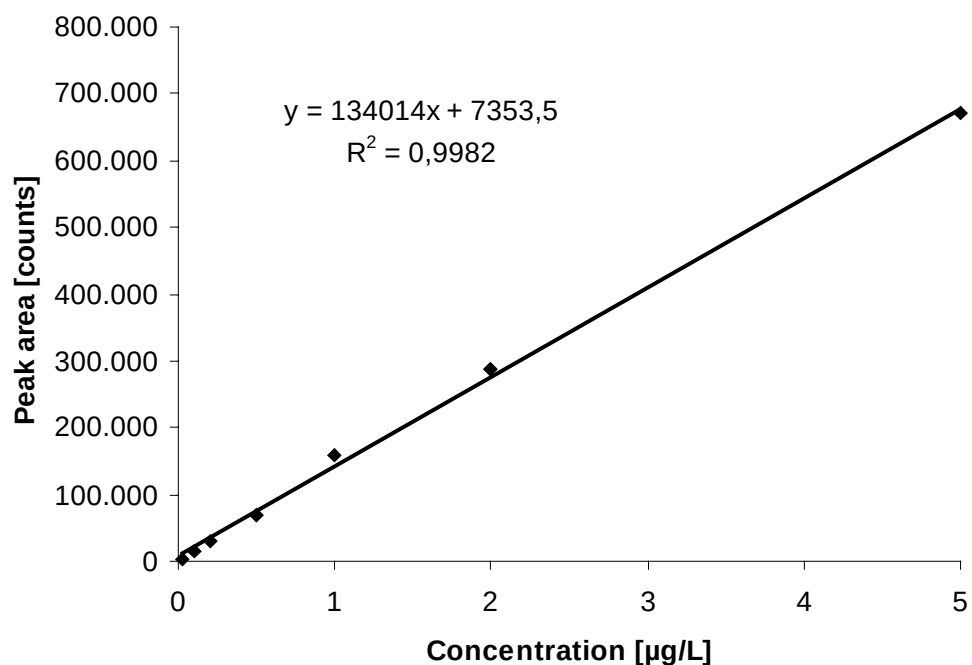
Chlorthiophos: 361→305**Cinosulfuron: 414→183**

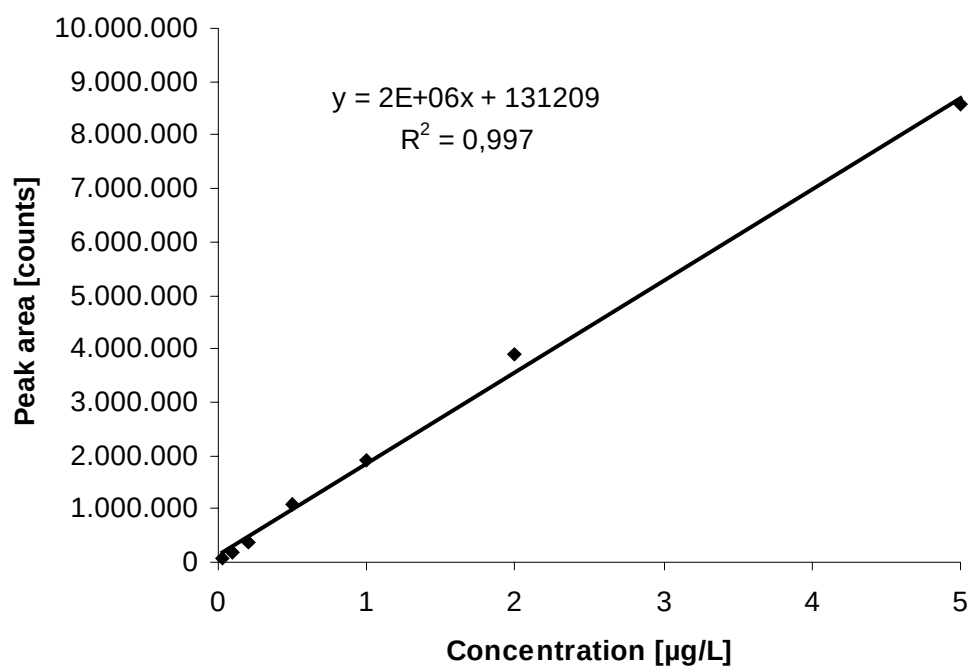
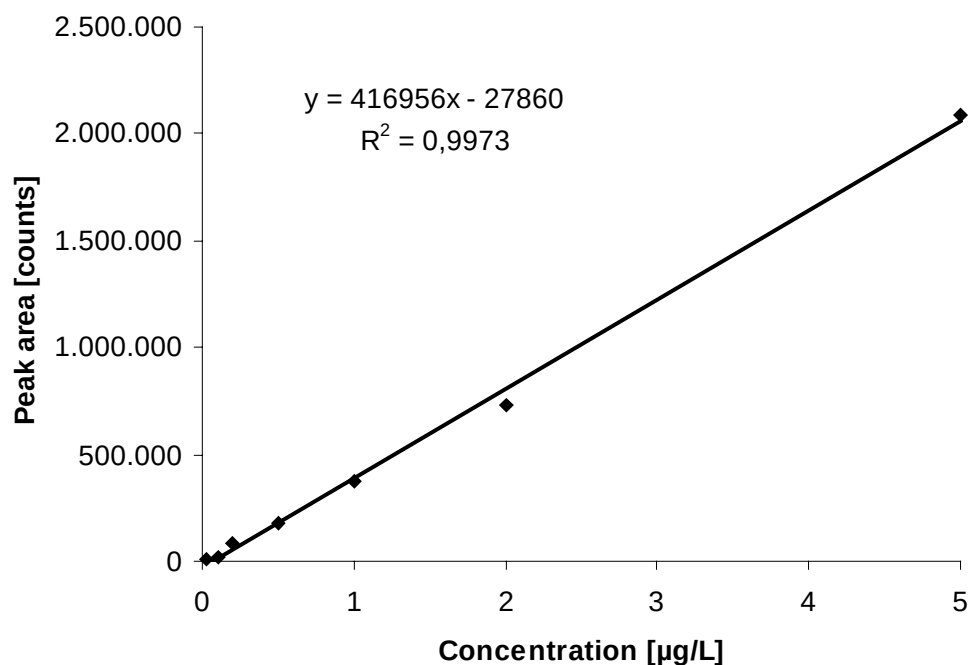
Clethodim: 360→164**Clethodim-imin-sulfon: 302→98**

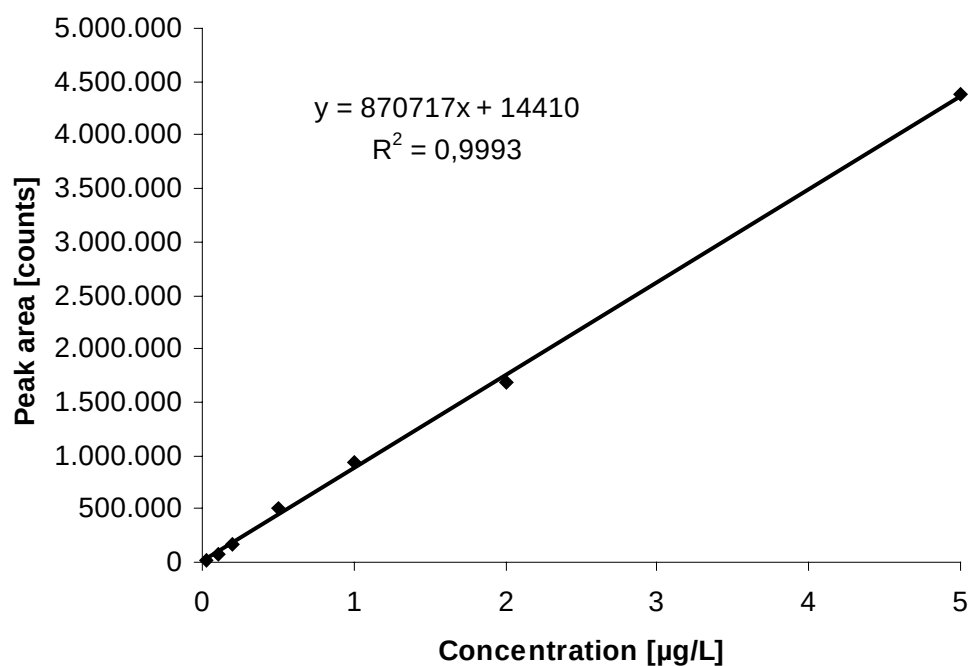
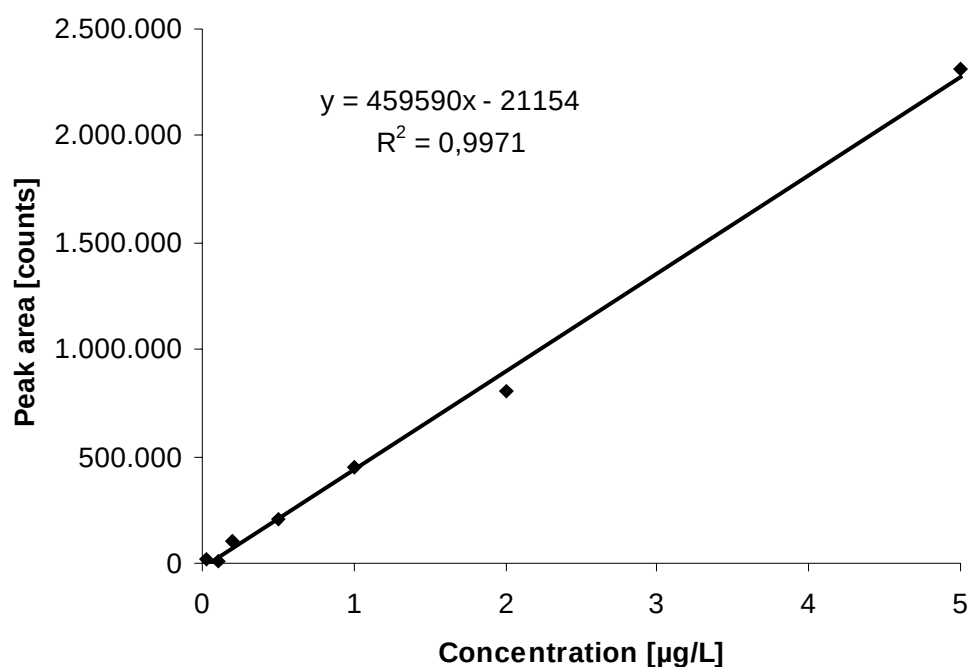
Clethodim-sulfon: 392→208**Clodinafop-propargyl: 350→266**

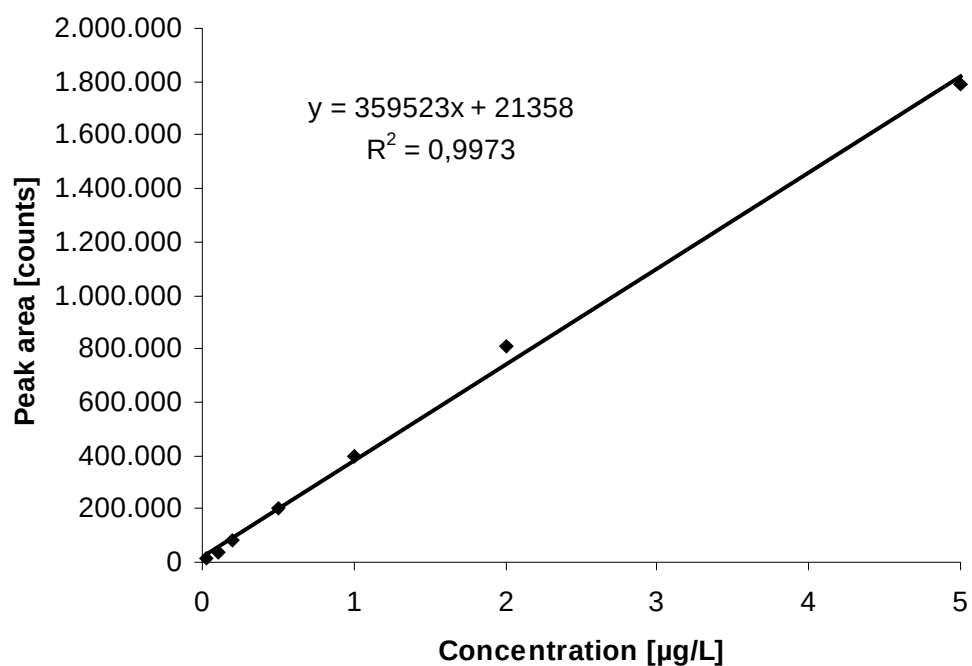
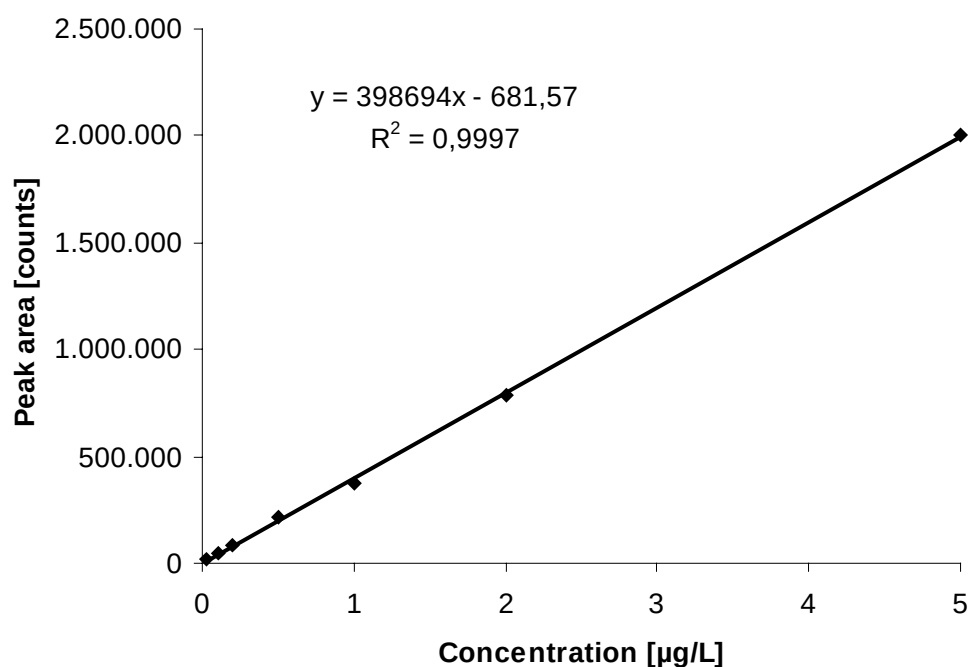
Clofentezine: 303→138**Clomazone: 240→125**

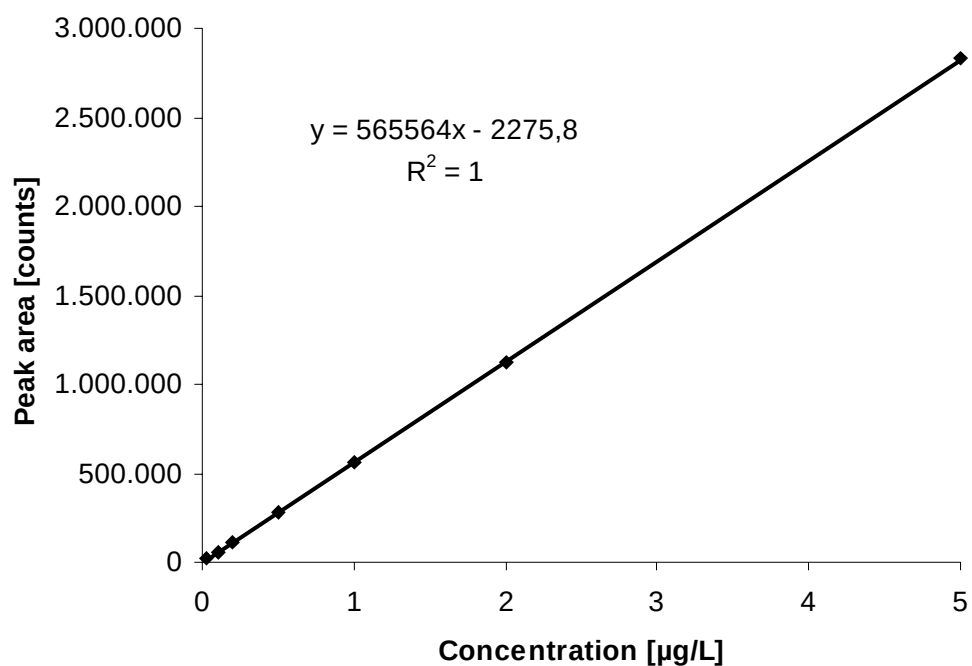
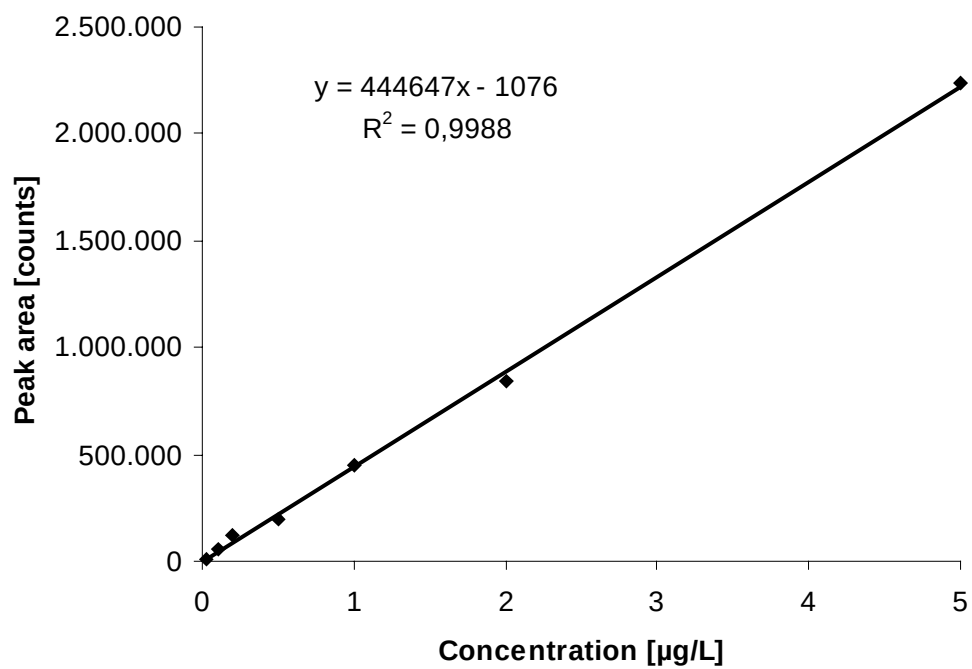
Cloquintocet-mexyl: 336→238**Coumaphos: 363→227**

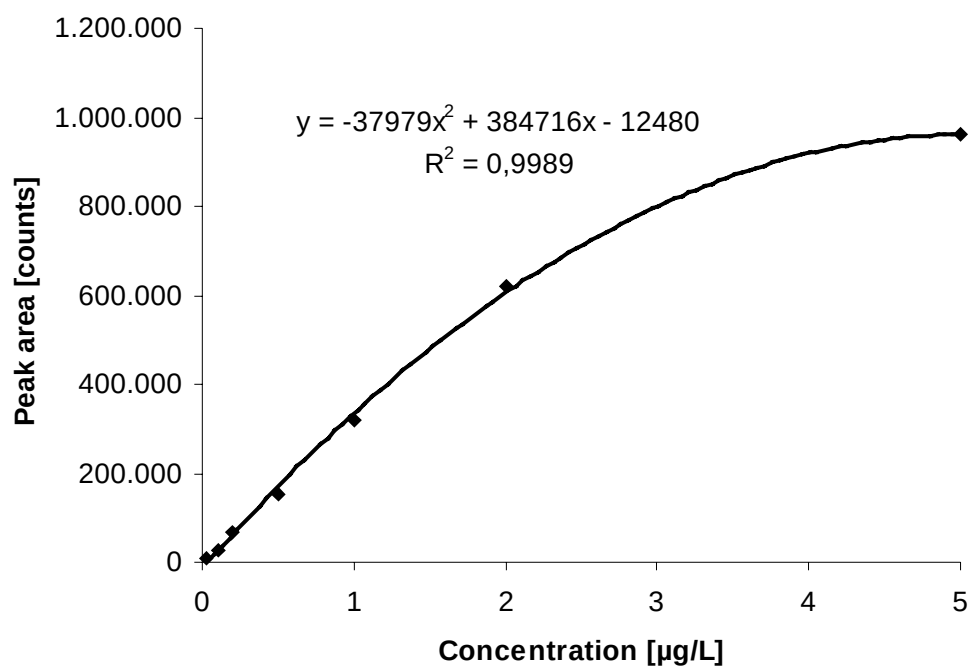
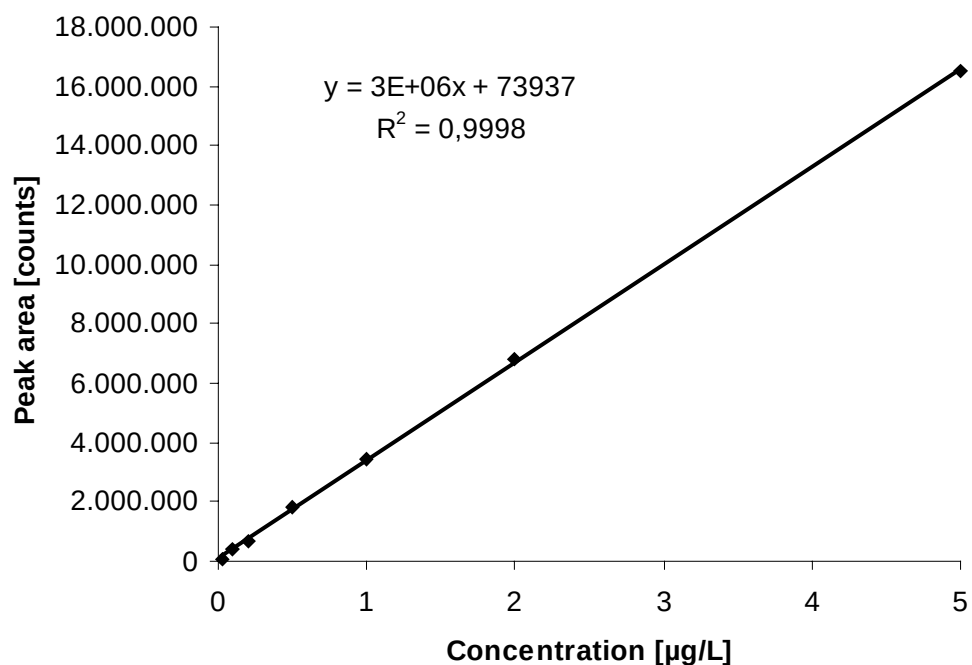
Cyanazine: 241→214**Cyanofenphos: 304→157**

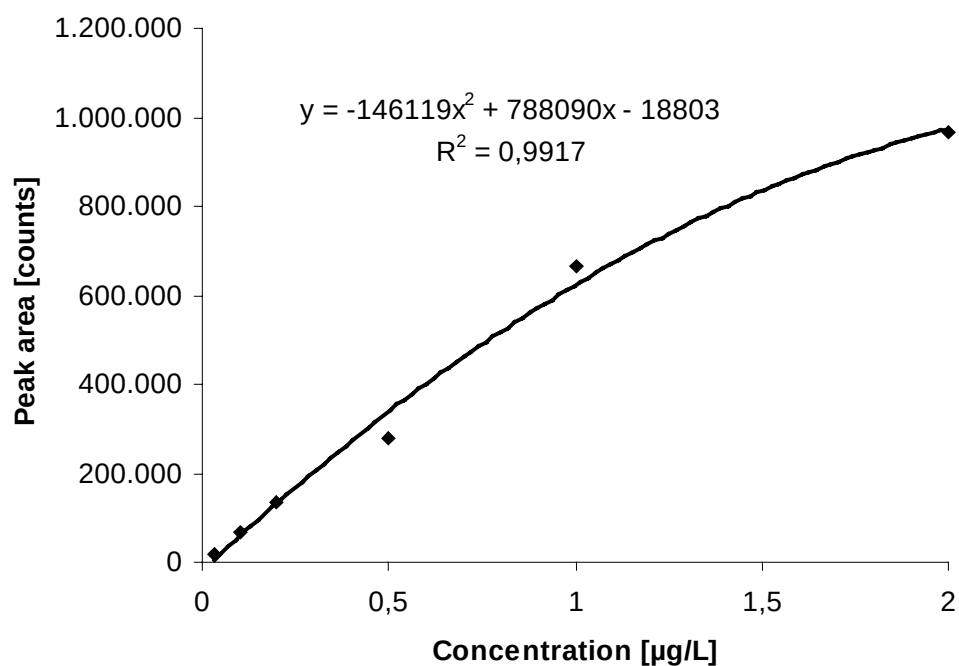
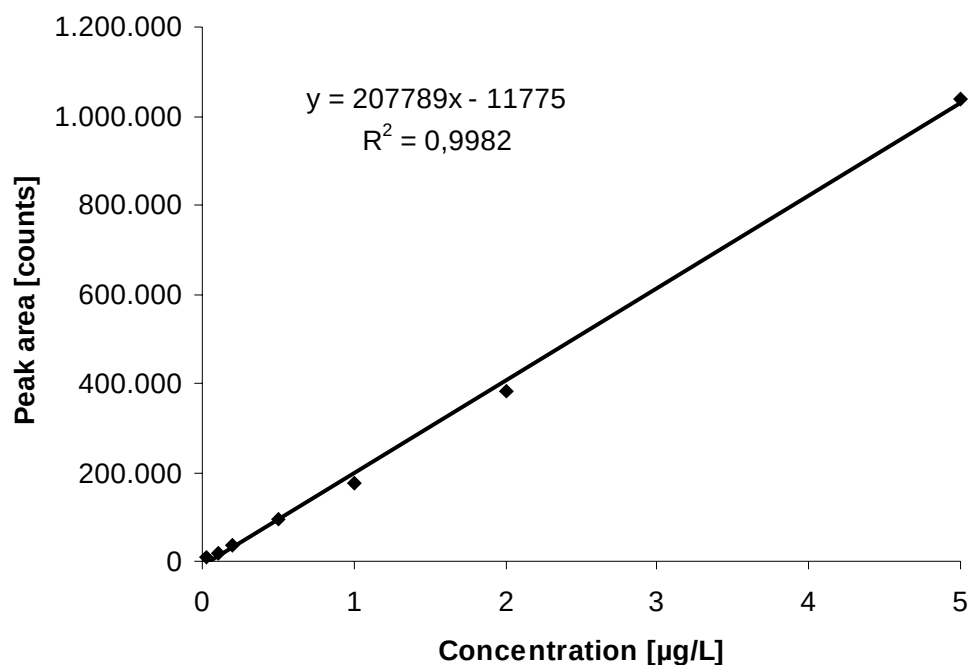
Cyazofamid: 325→108**Cycloate: 216→134**

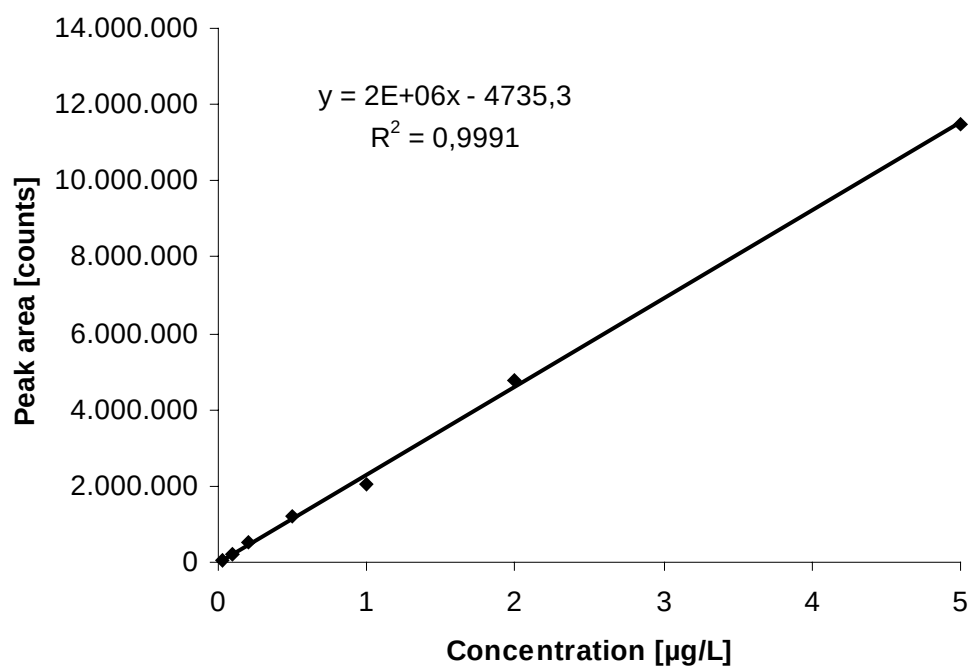
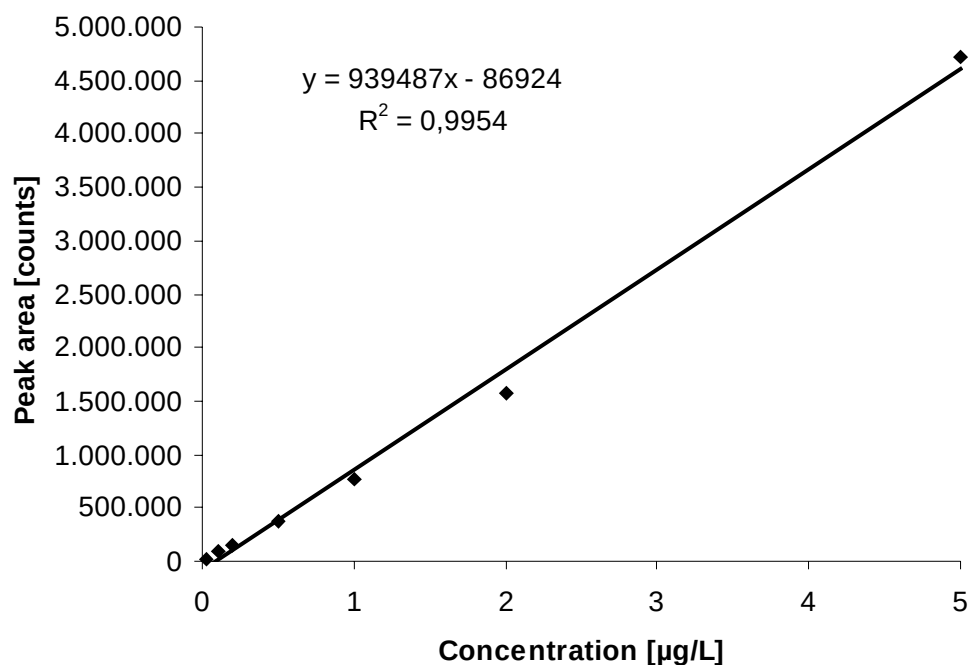
Cycloxydim: 326→280**Cymoxanil: 199→128**

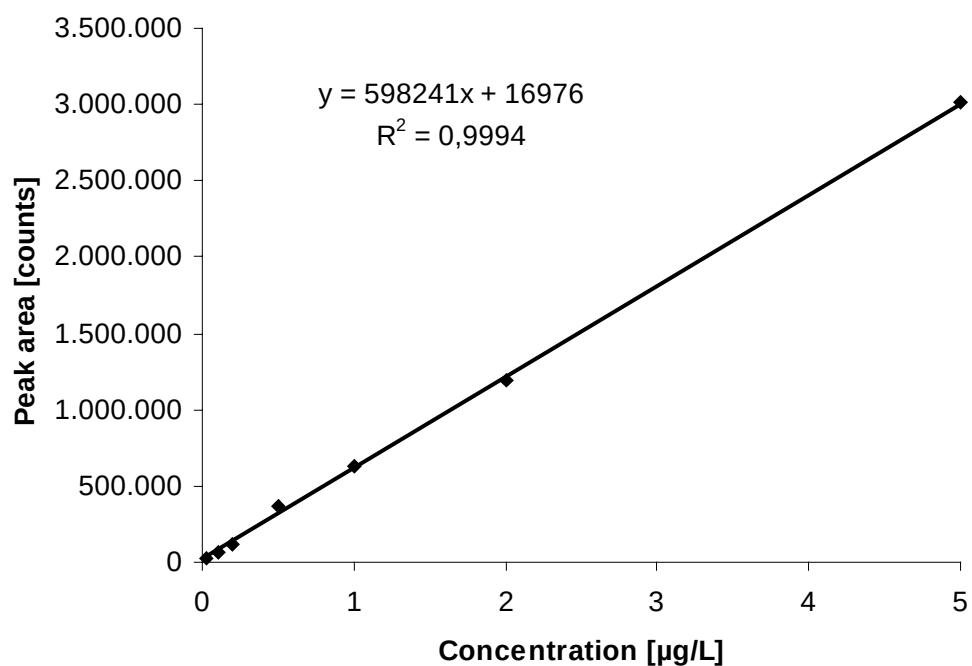
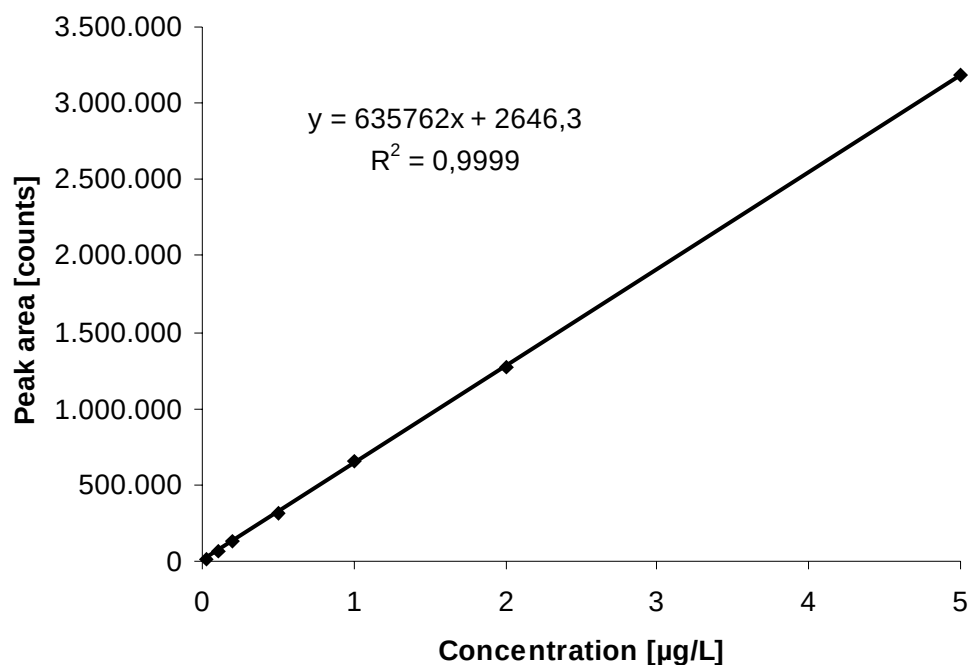
Cyproconazole: 292→125**Cyprodinil: 226→93**

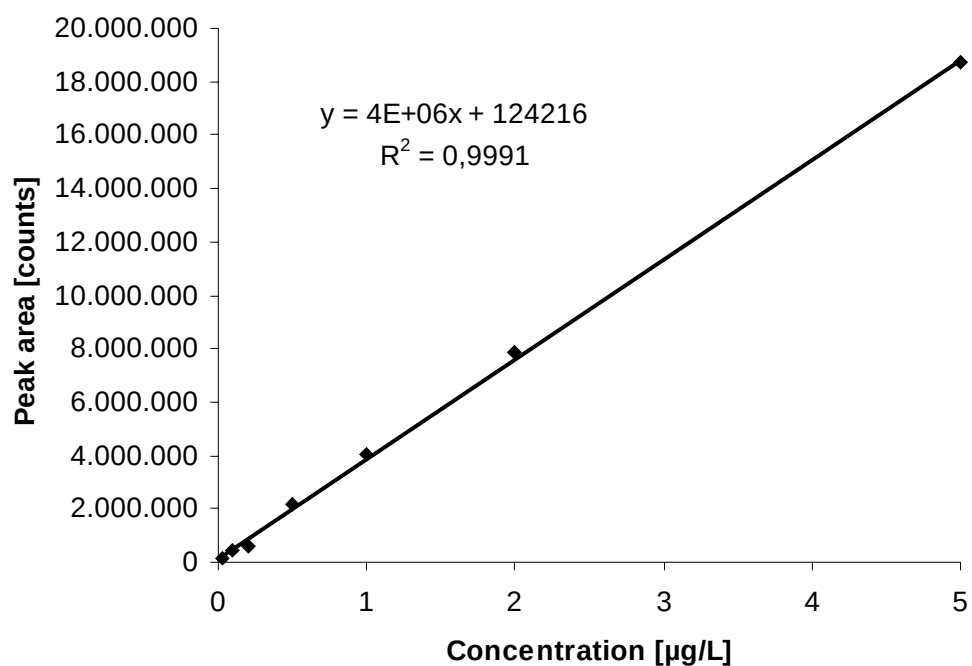
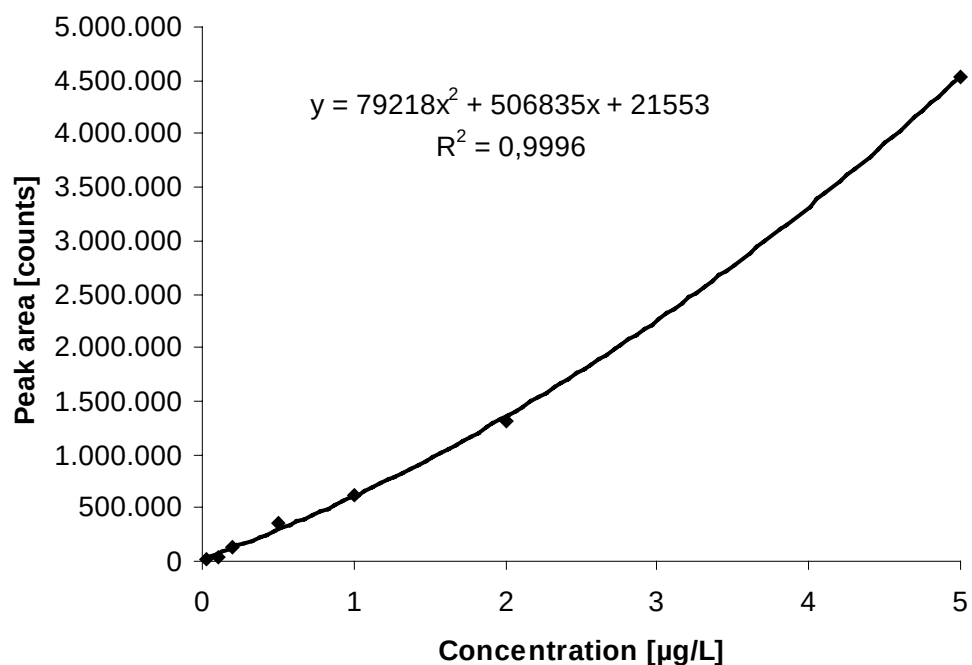
Cyromazine: 167→125**Demeton-S-methyl: 248→89**

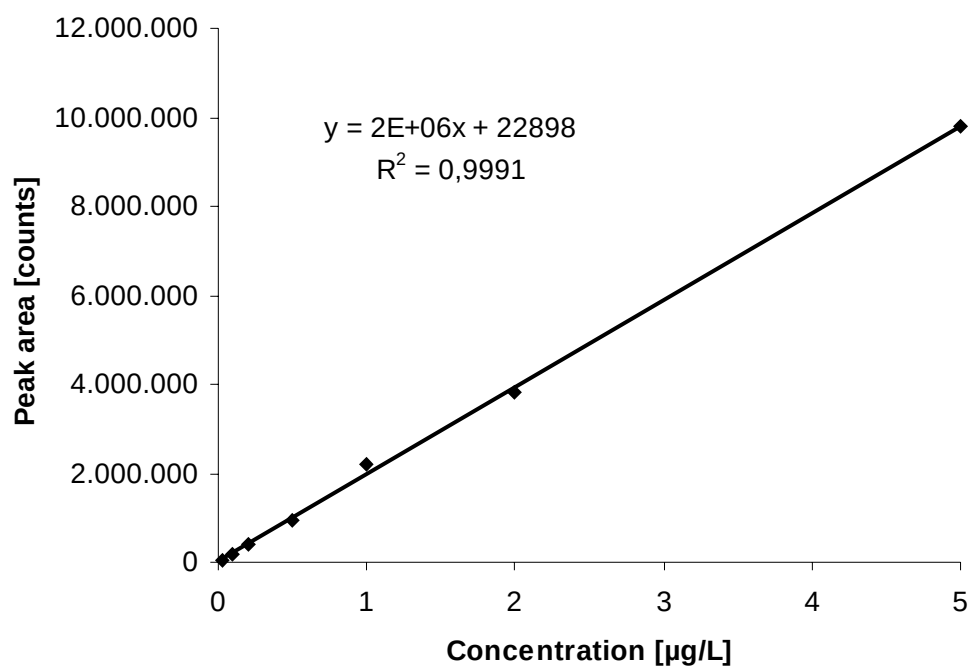
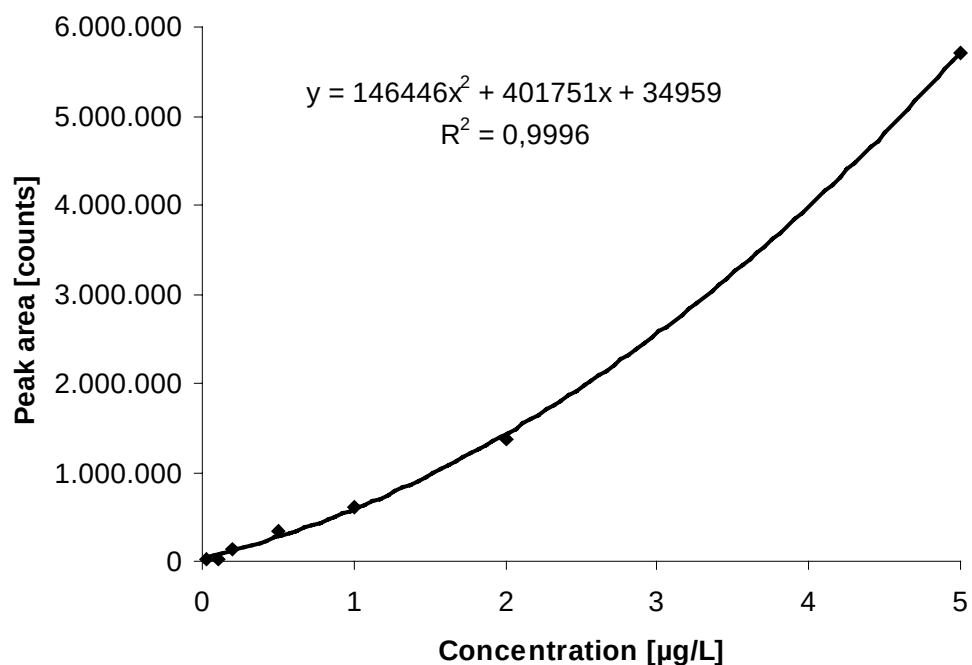
Demeton-S-methyl-sulfon: 263→169**Desmethylformamido-pirimicarb: 253→72**

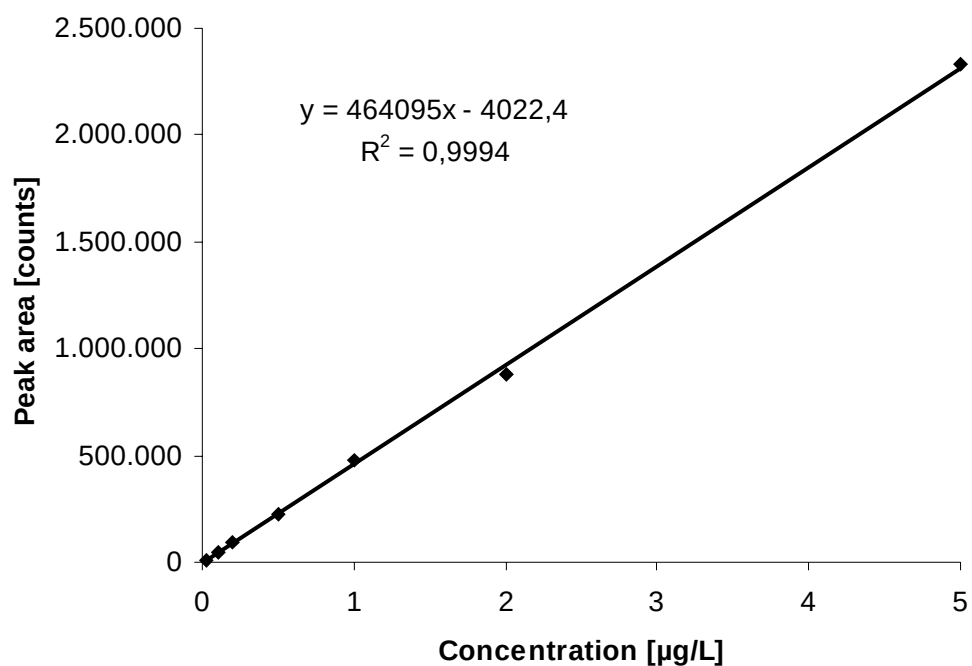
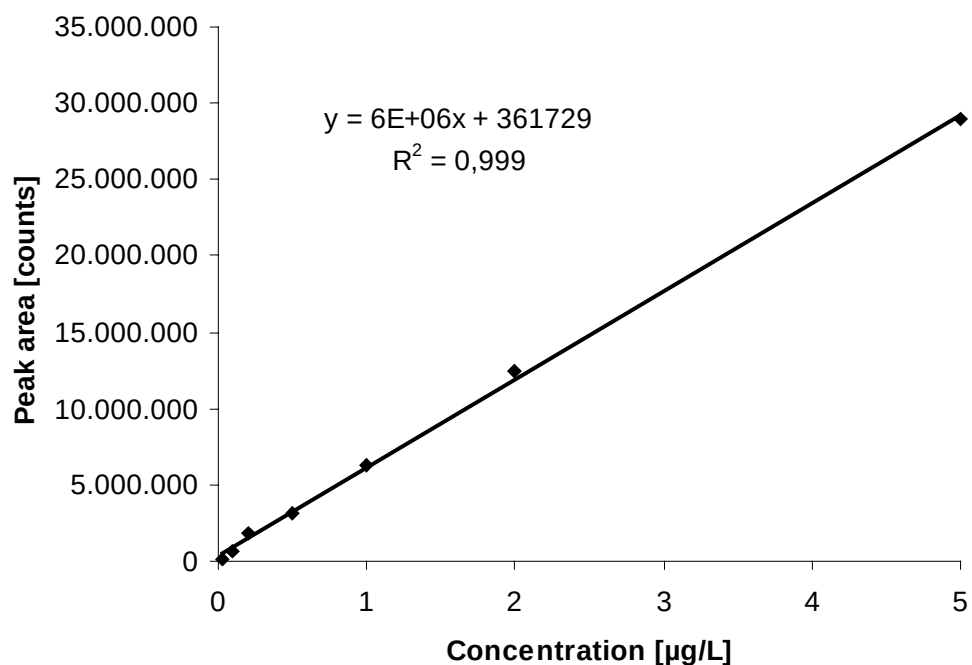
Desmethyl-pirimicarb: 225→72**Di-allate: 270→86**

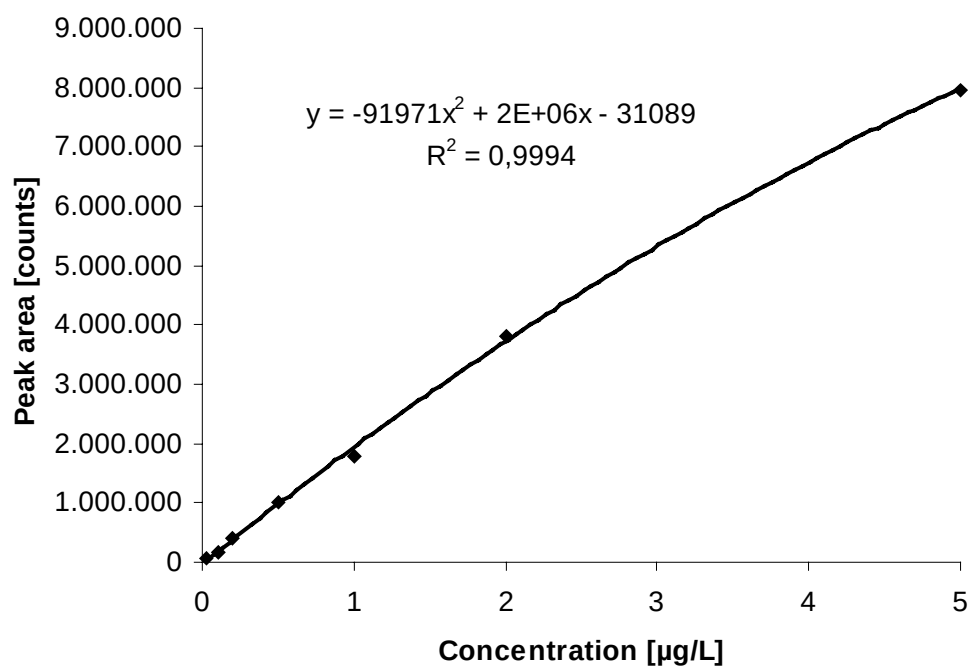
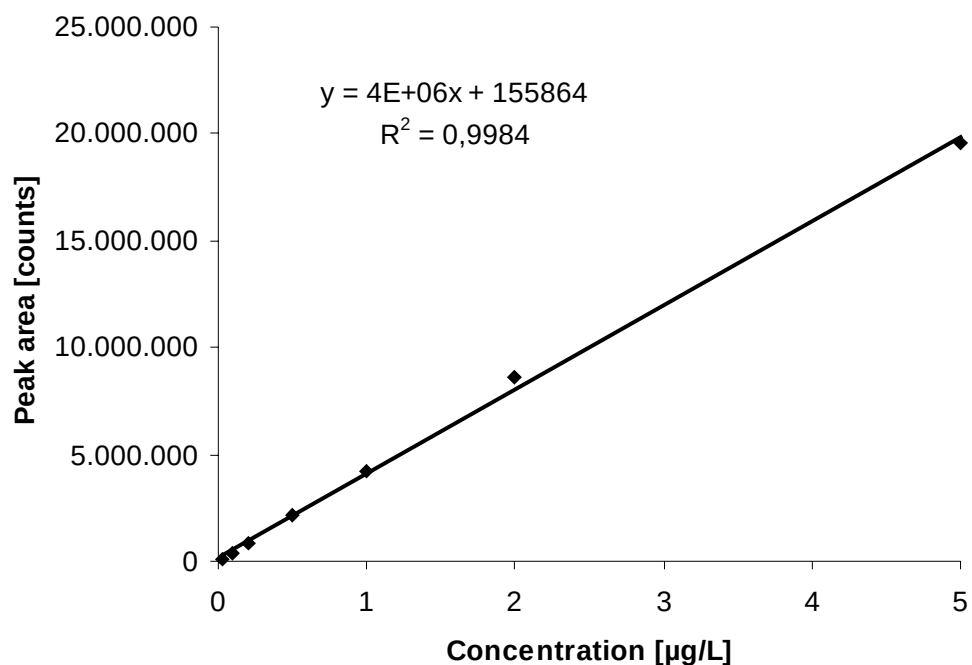
Diazinon: 305→169**Dichlorvos: 221→109**

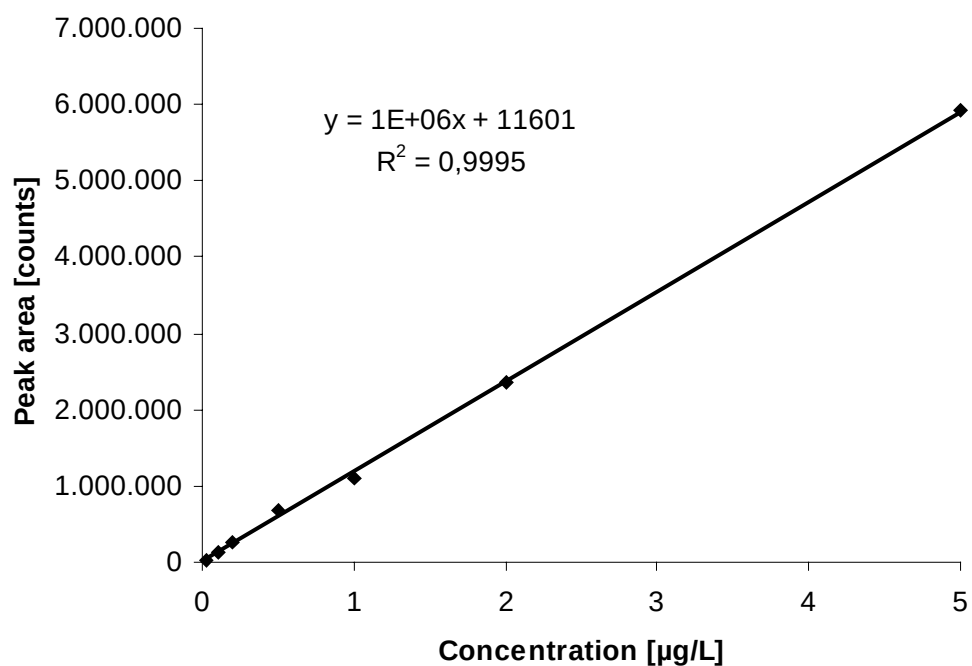
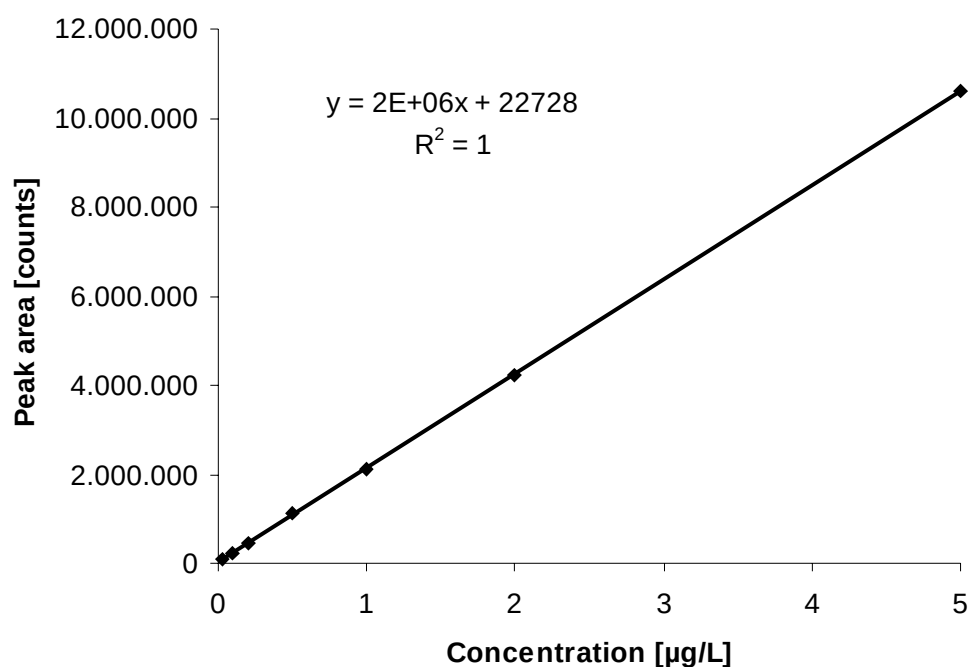
Diclobutrazol: 328→70**Dicrotophos: 238→112**

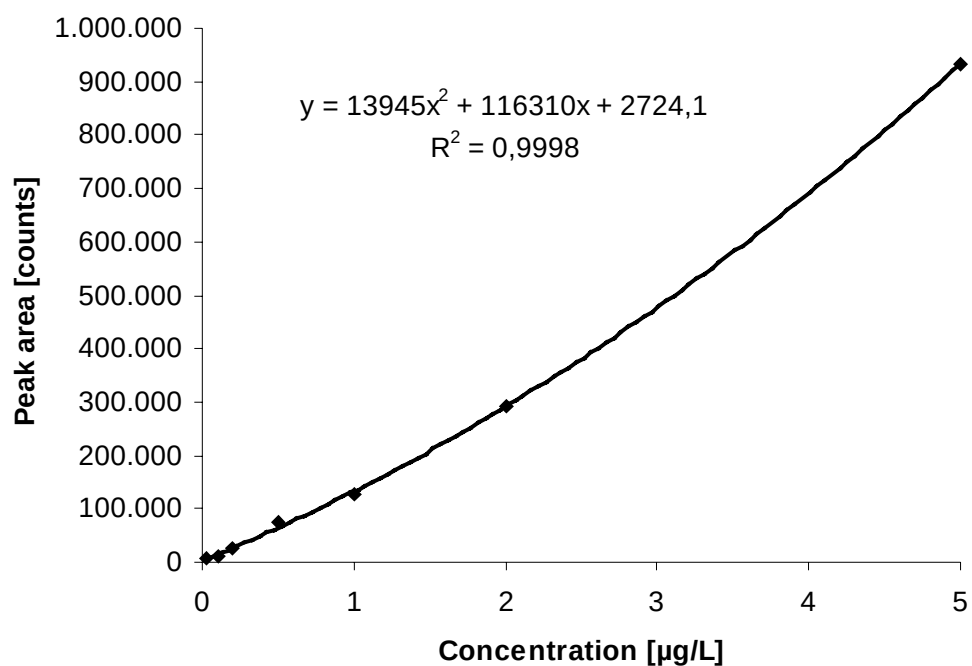
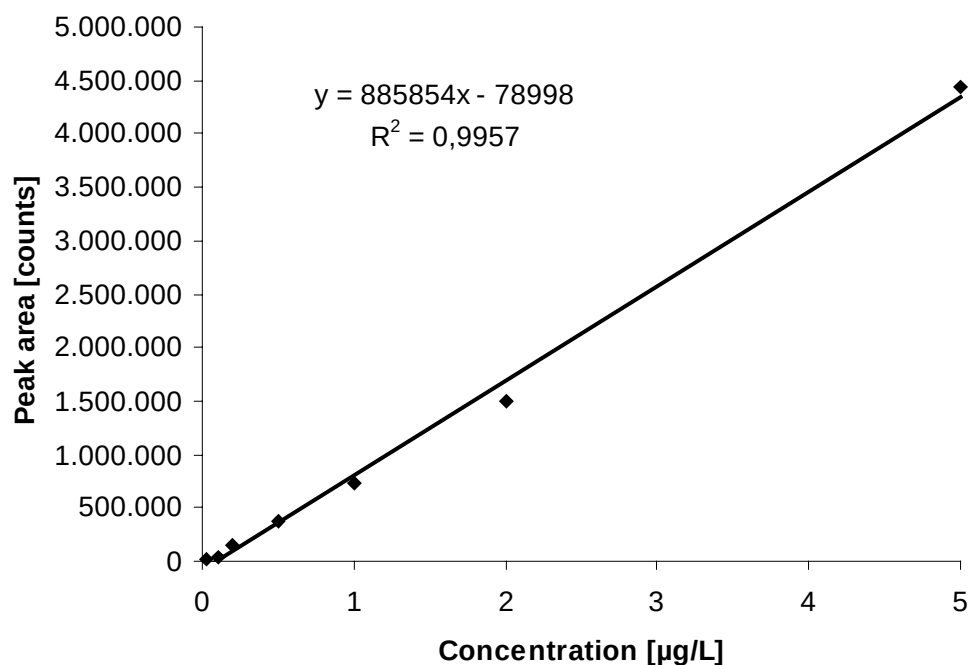
Diethofencarb: 268→226**Difenoconazole: 406→251**

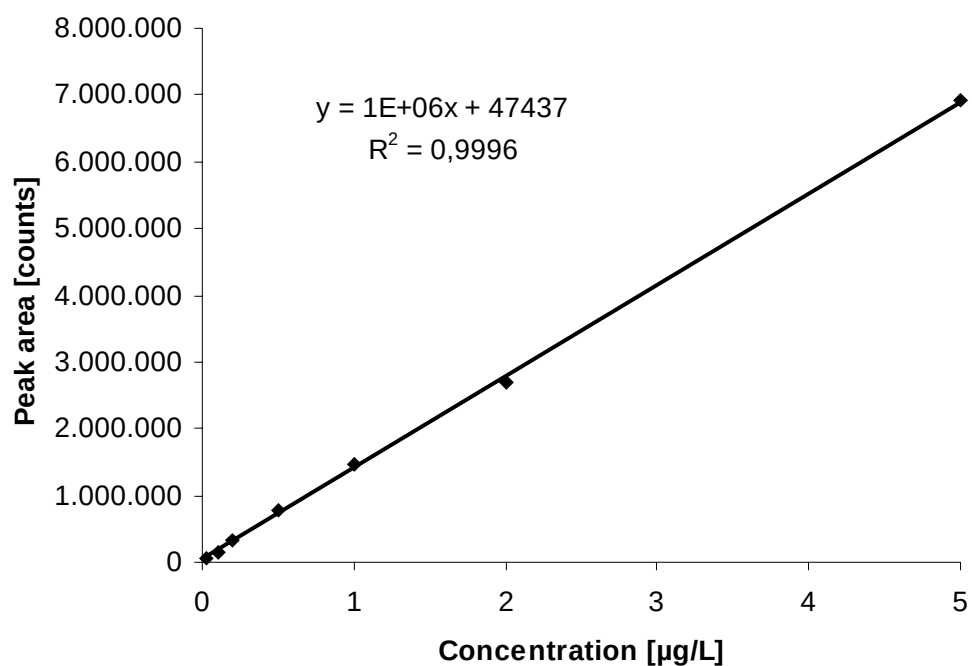
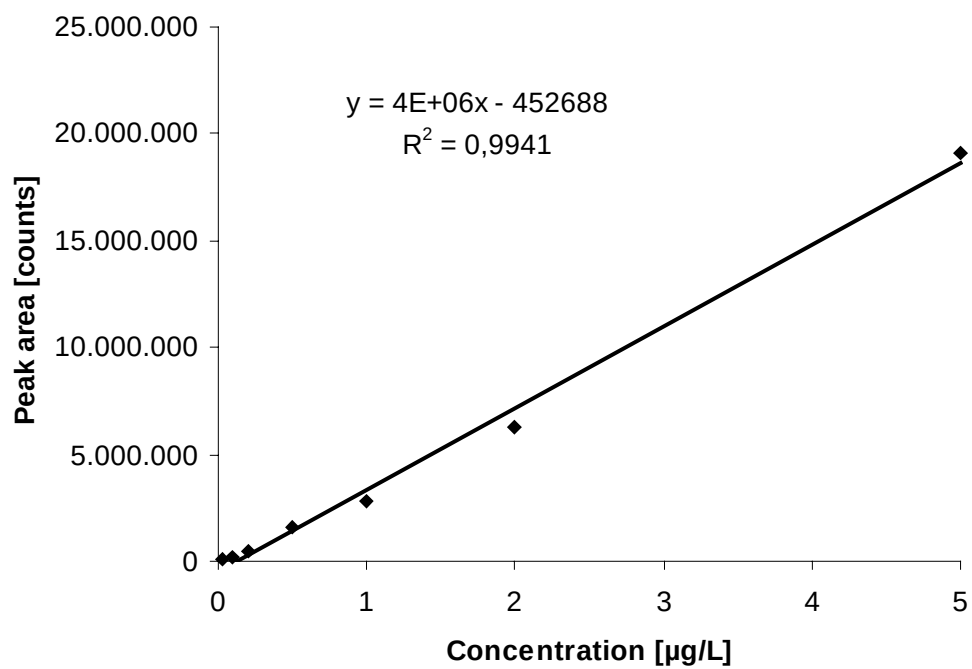
Difenoxuron: 287→123**Diflufenican: 395→266**

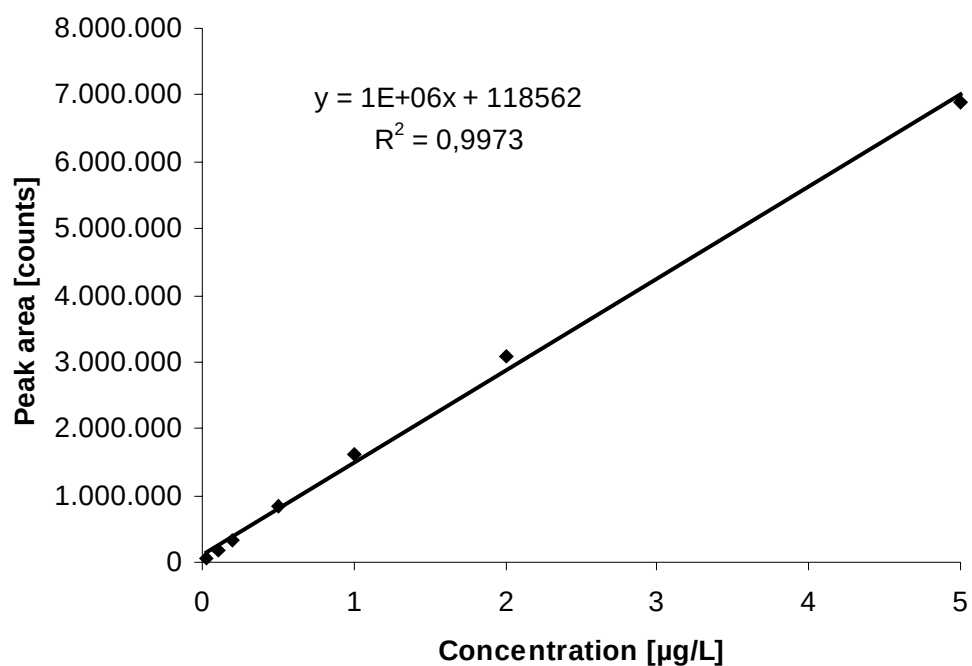
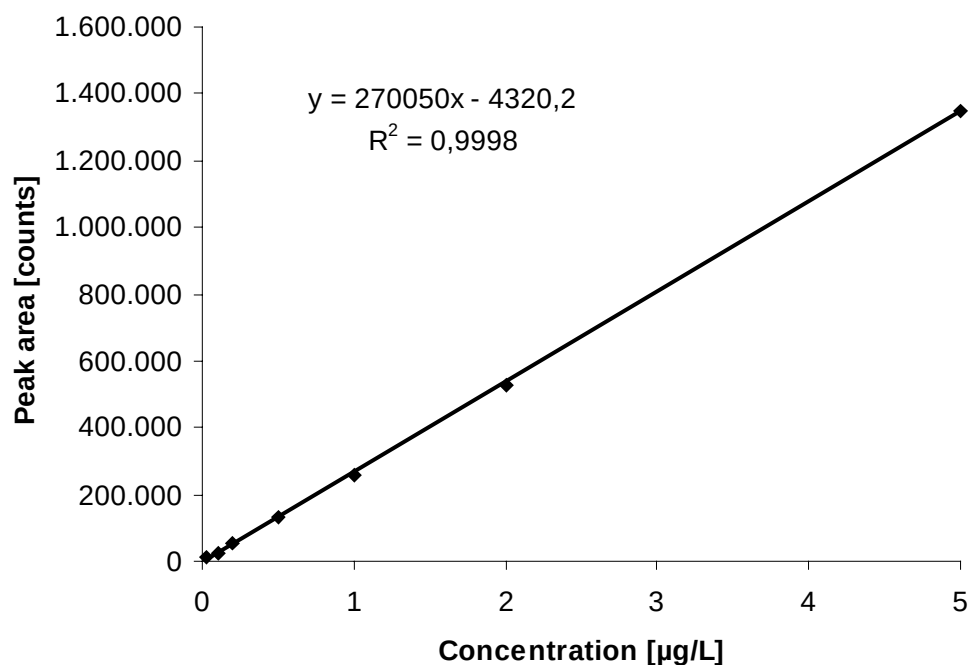
Dimefuron: 339→167**Dimethachlor: 256→224**

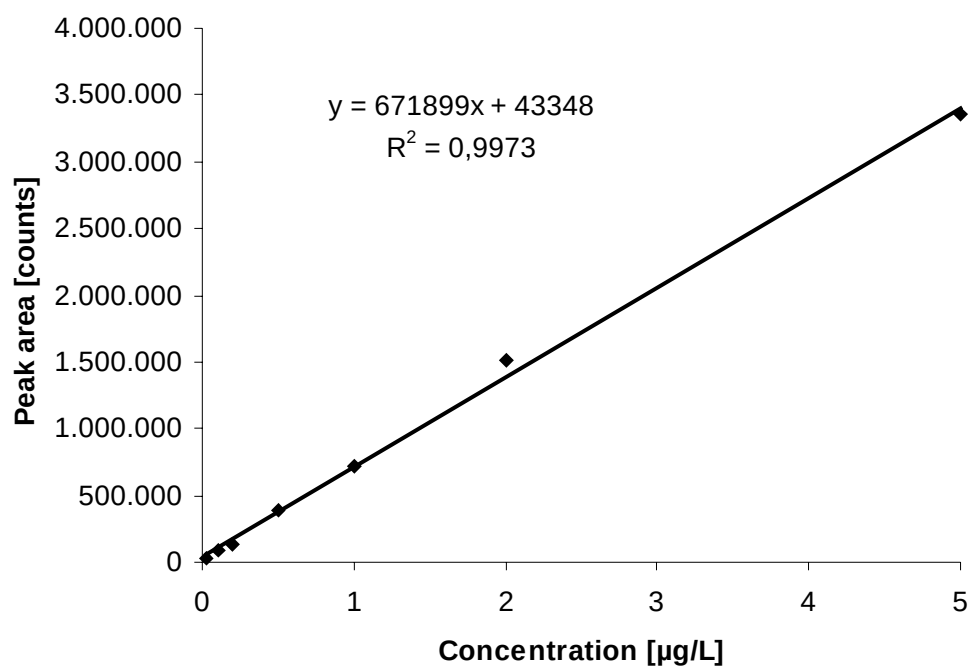
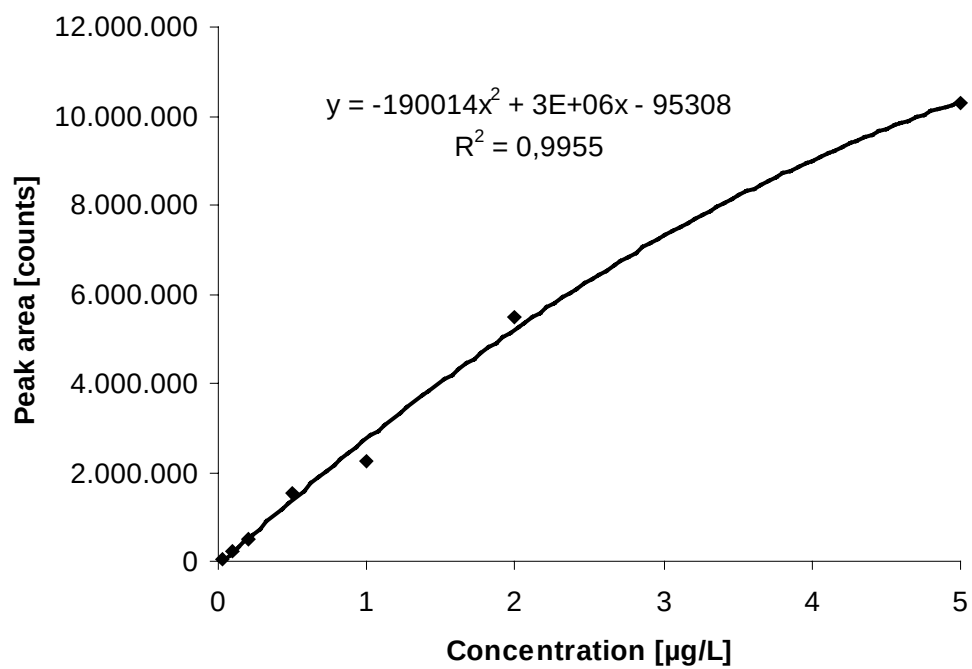
Dimethenamide: 276→244**Dimethoate: 230→199**

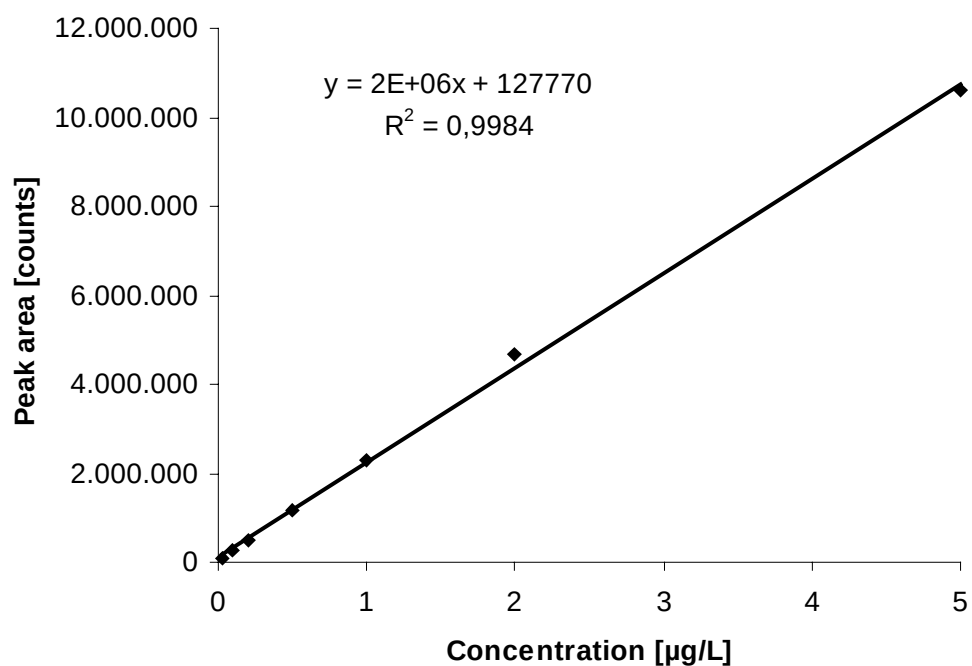
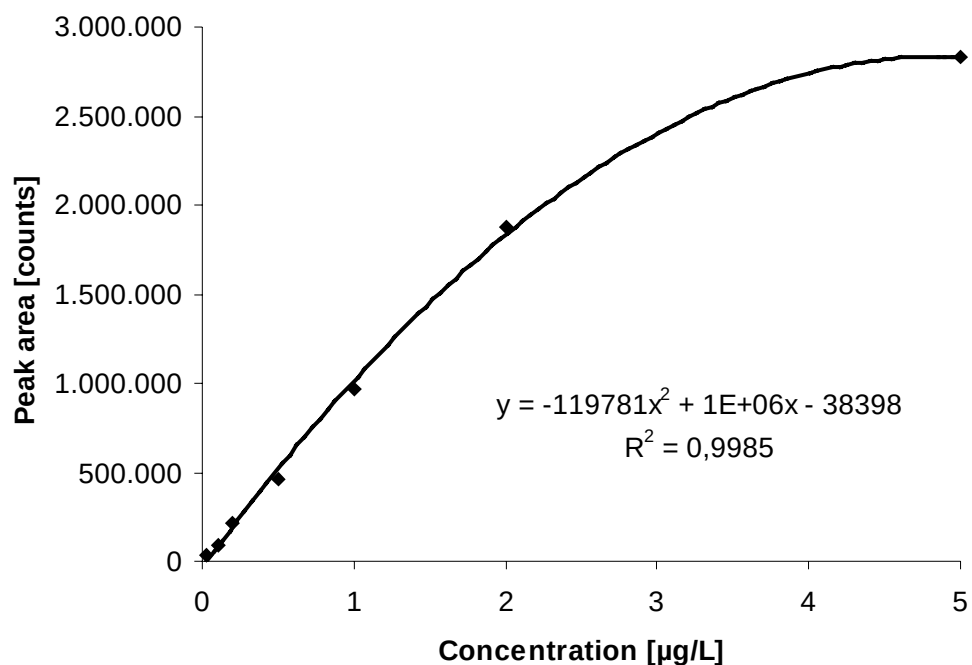
Dimethomorph: 388→301**Dimetilan: 241→72**

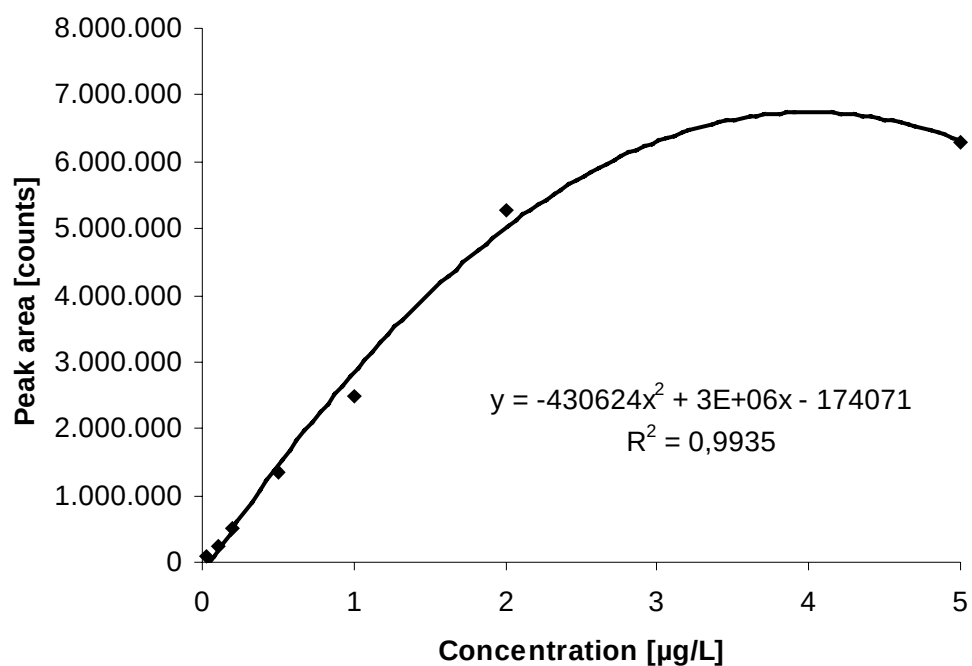
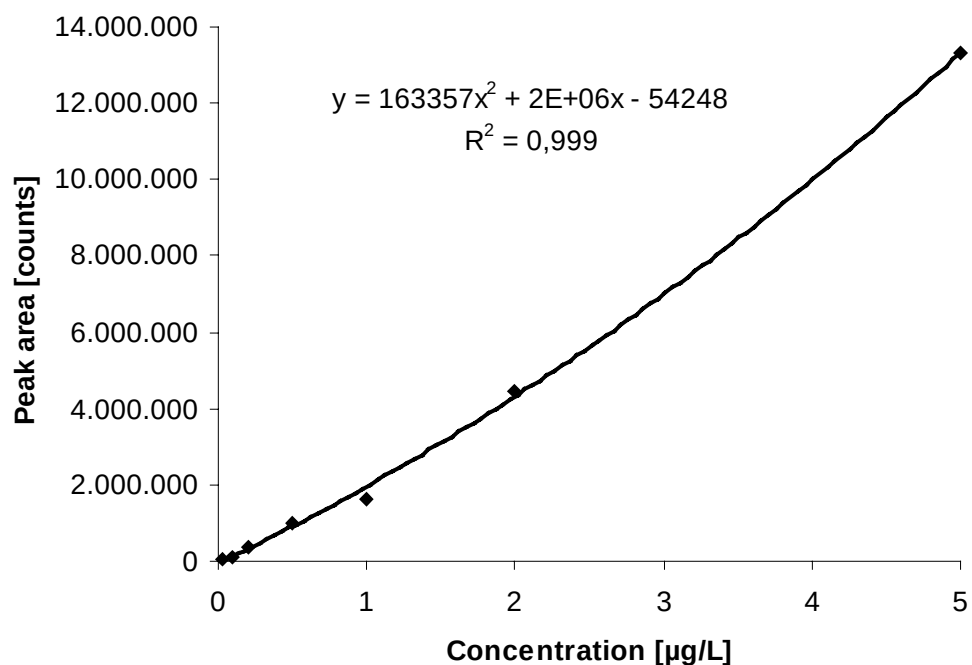
Diniconazole: 326→70**Disulfoton: 275→89**

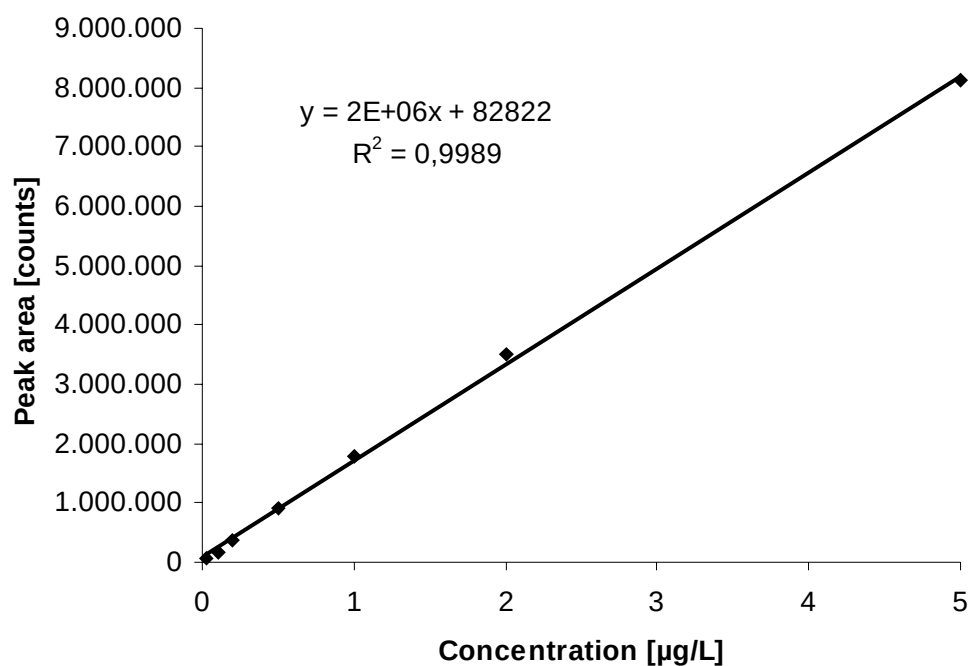
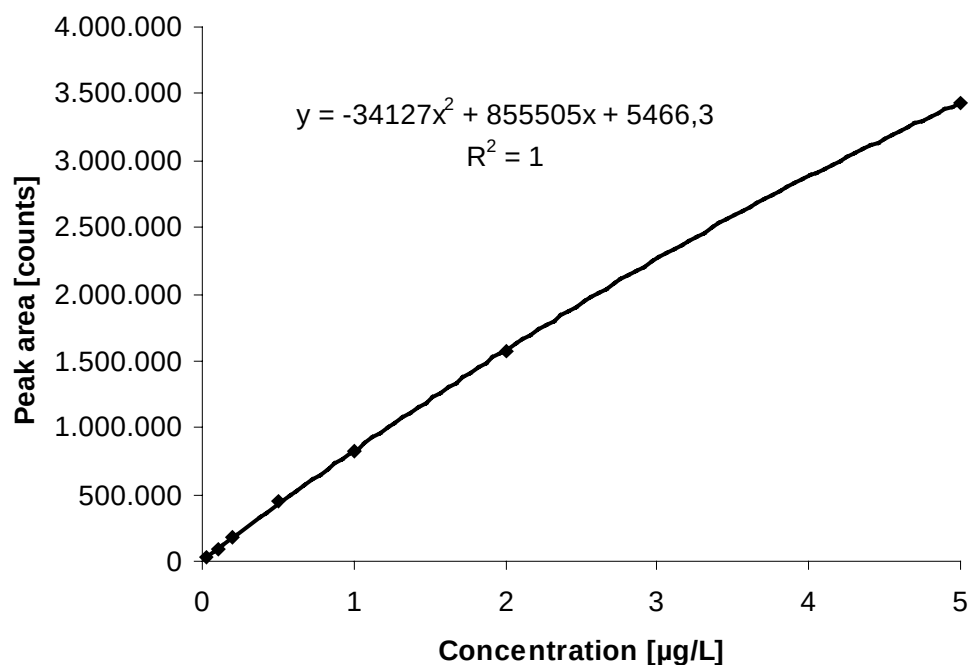
Diuron: 233→72**Dodemorph: 282→116**

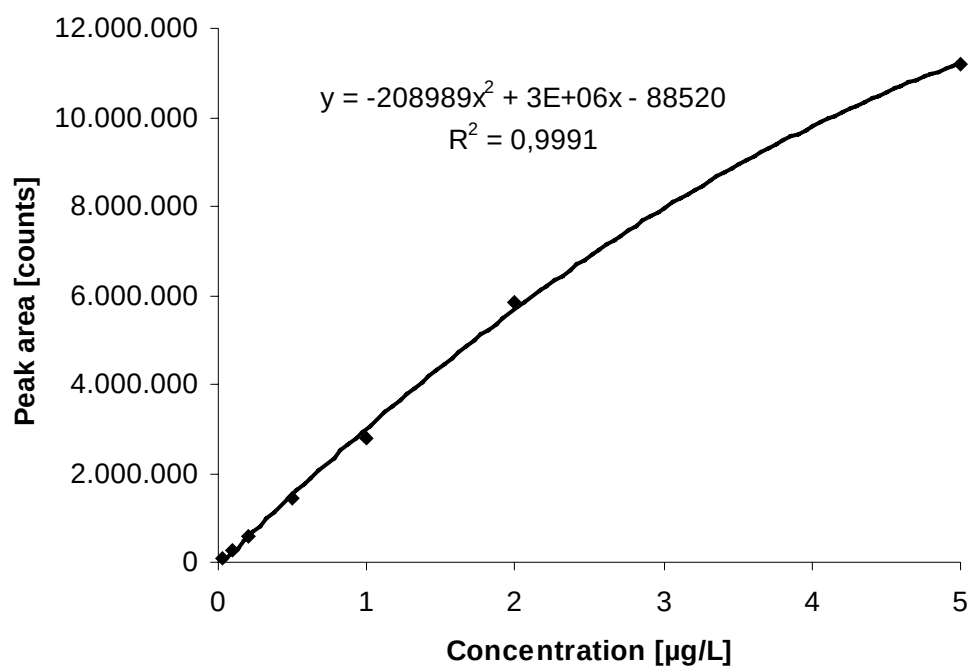
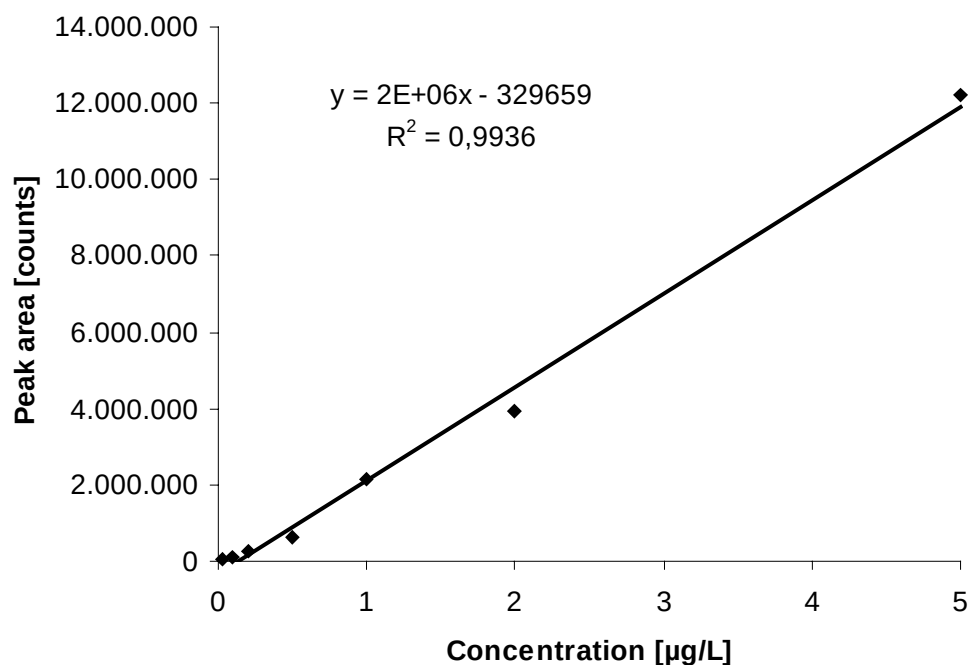
Epoxiconazole: 330→121**Eptc: 190→128**

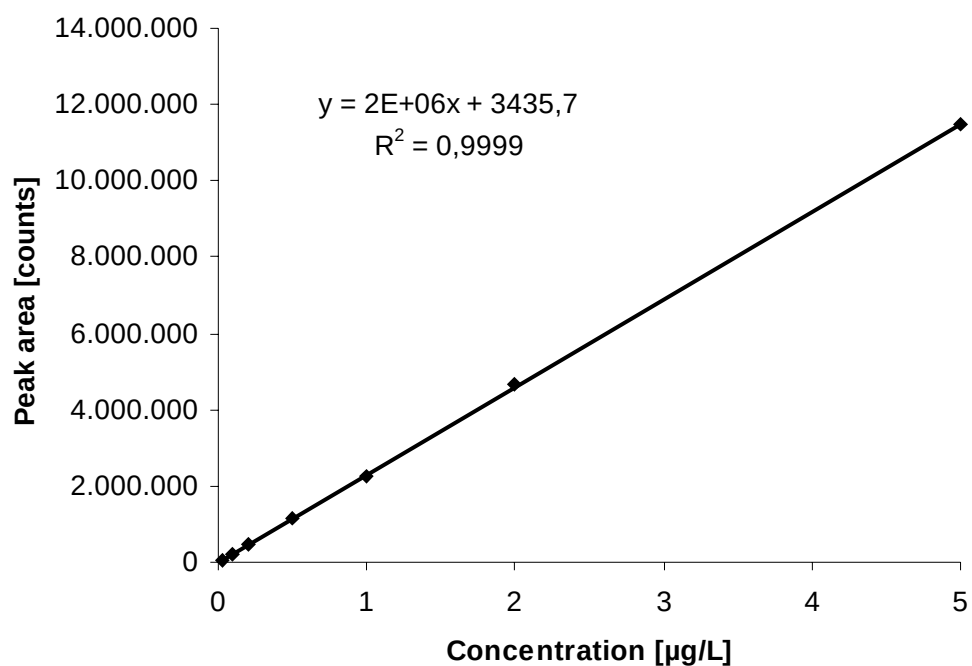
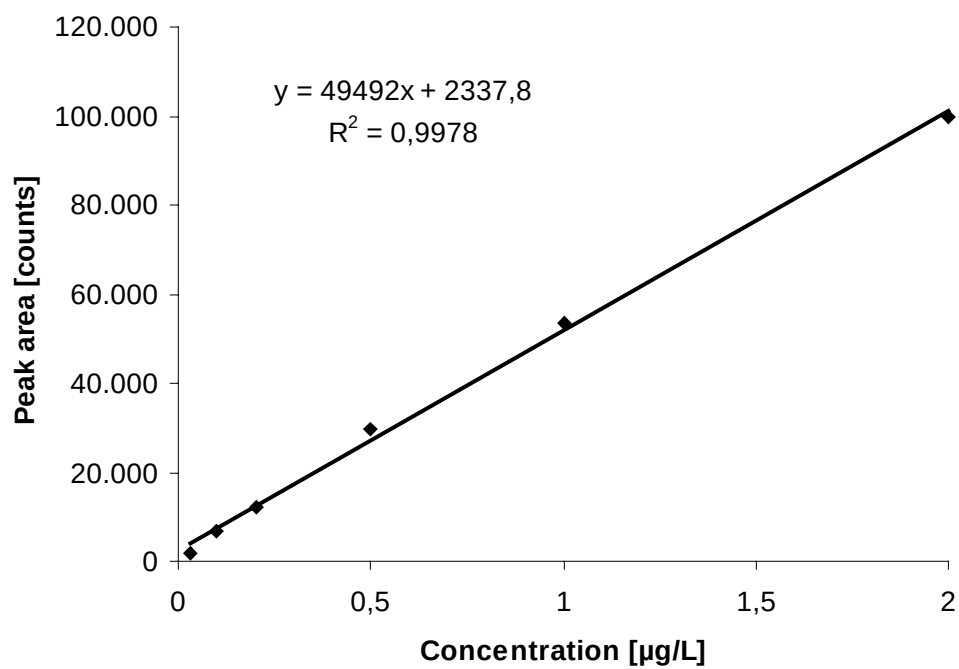
Ethametsulfuron-methyl: 411→196**Ethidimuron: 265→208**

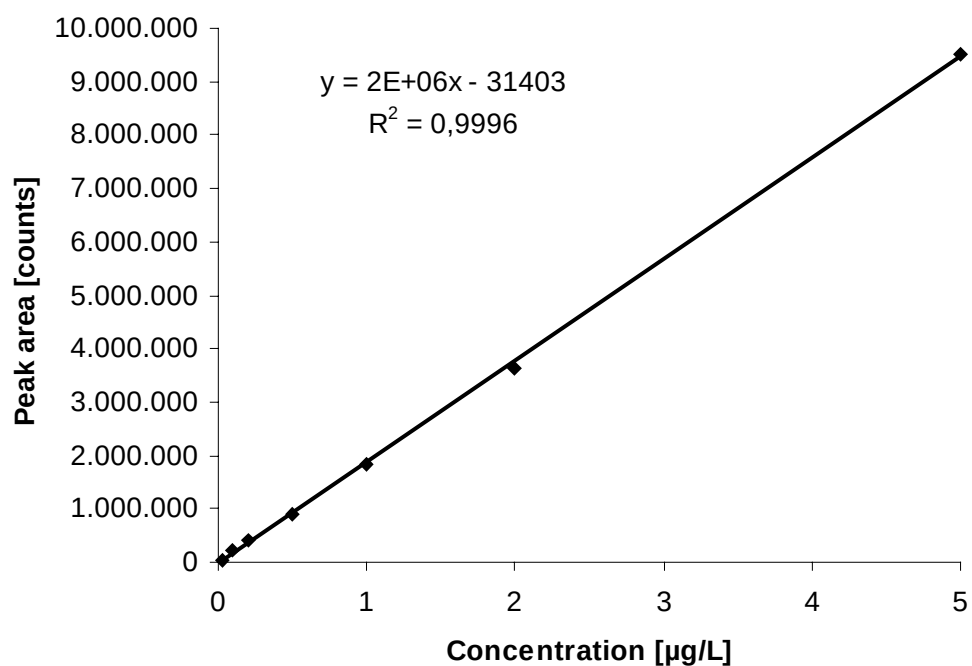
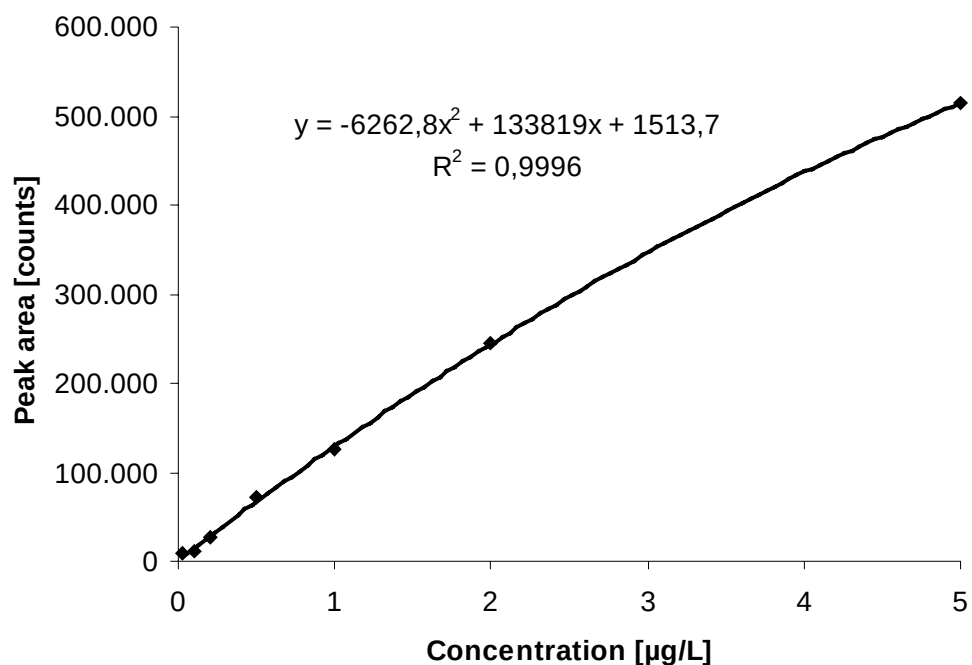
Ethiofencarb: 226→107**Ethiofencarbsulfon: 275→107**

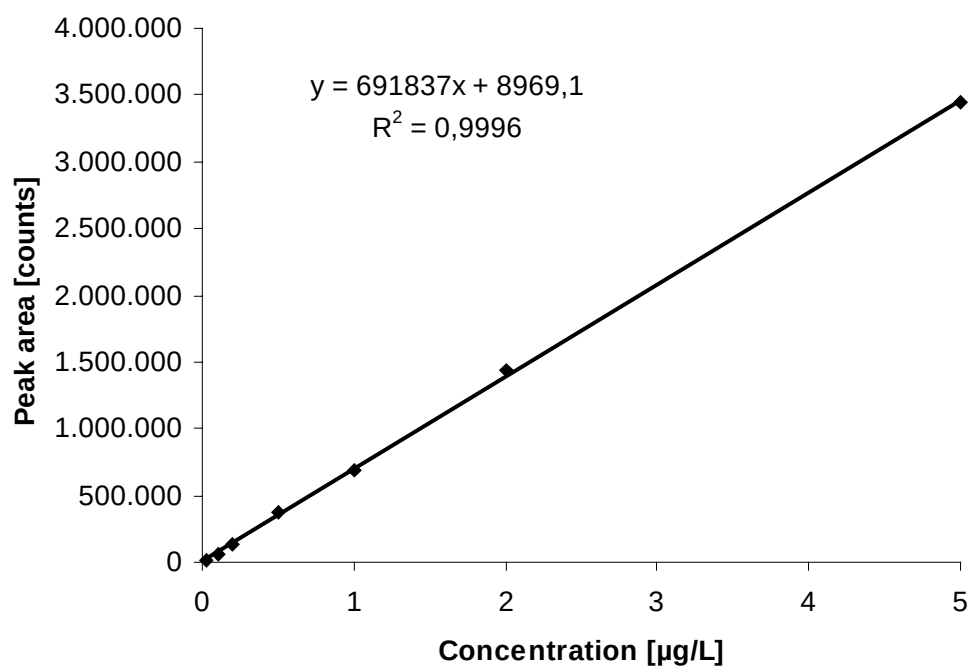
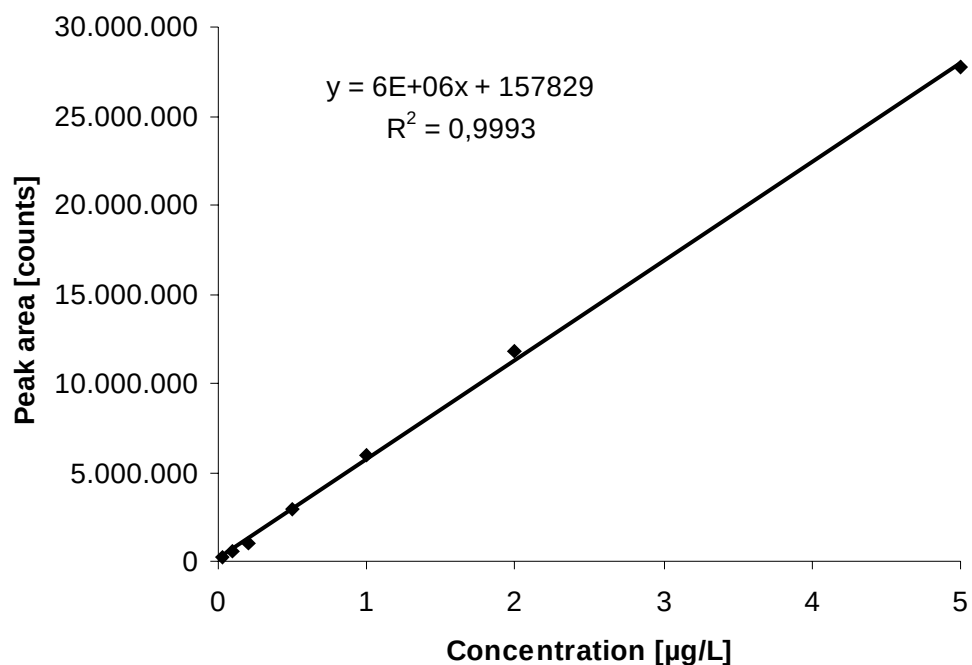
Ethiofencarbsulfoxid: 242→107**Ethion: 385→199**

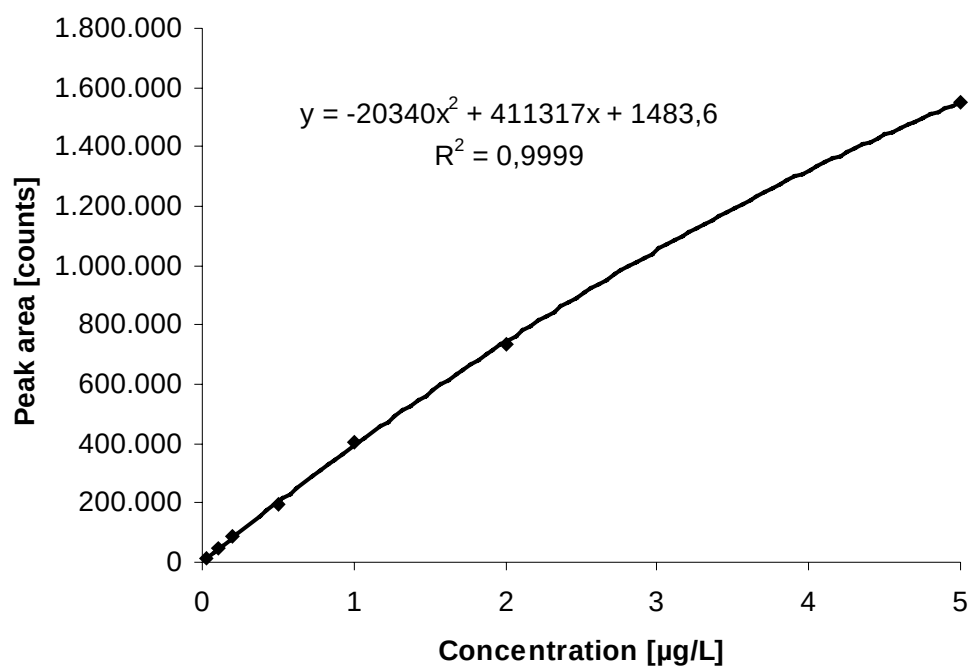
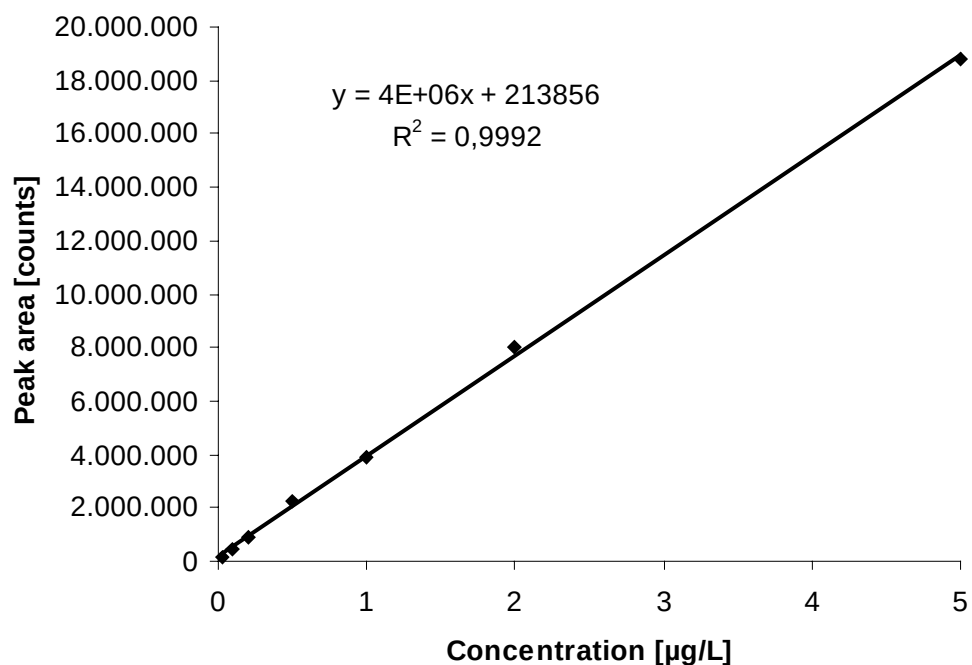
Ethirimol: 210→140**Ethofumesate: 304→121**

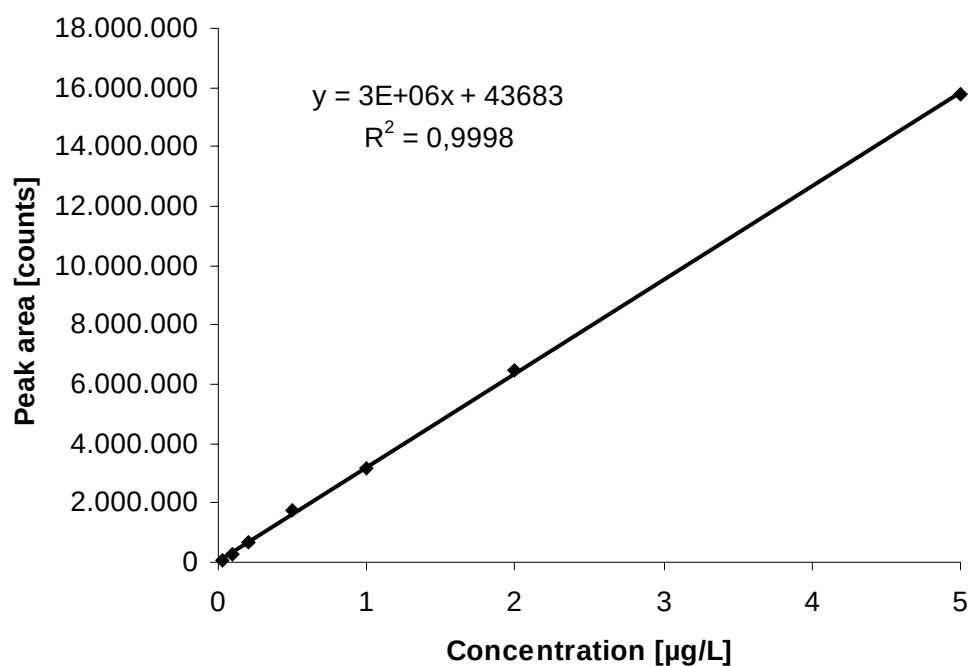
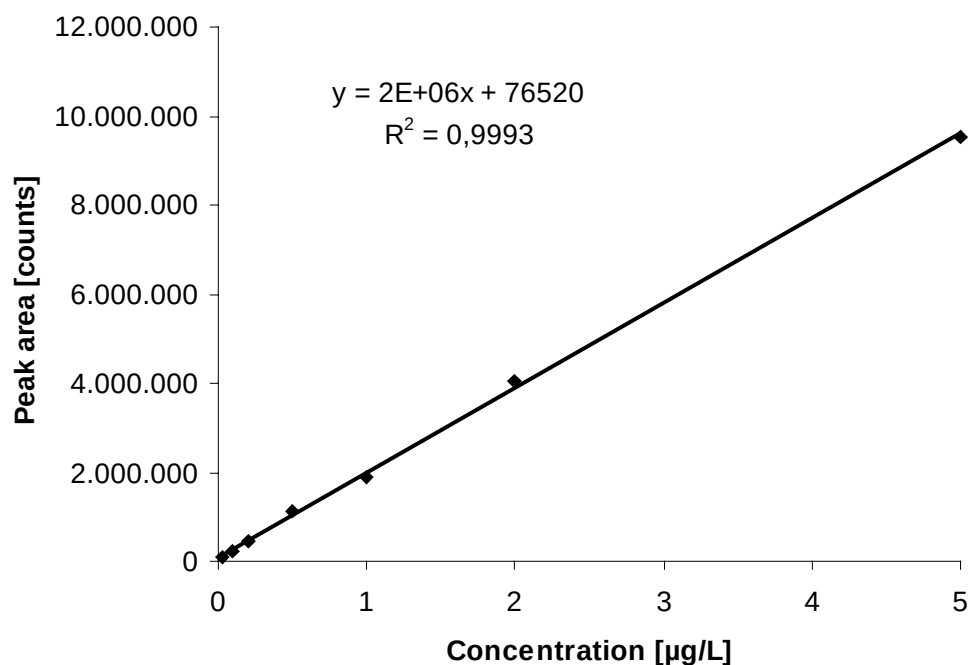
Ethoprophos: 243→131**Etofenprox: 394→177**

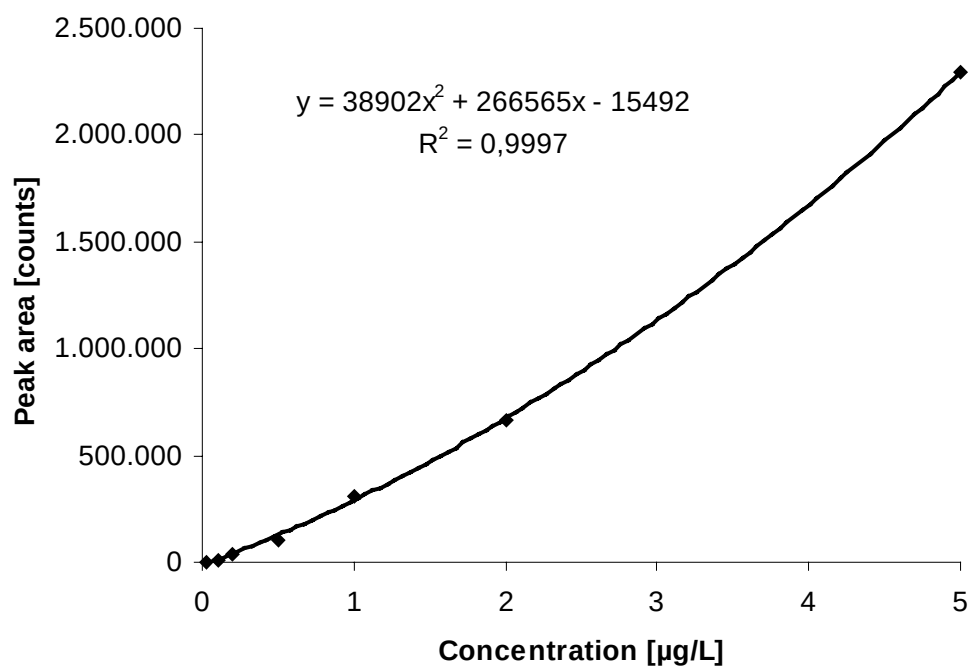
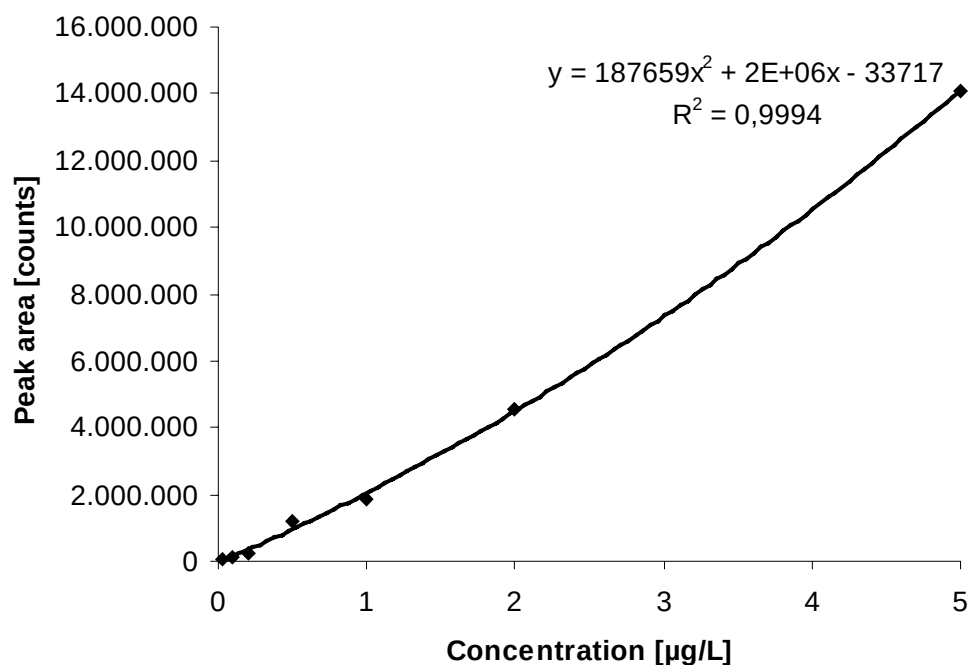
Etrimfos: 293→125**Famoxadone: 392→331**

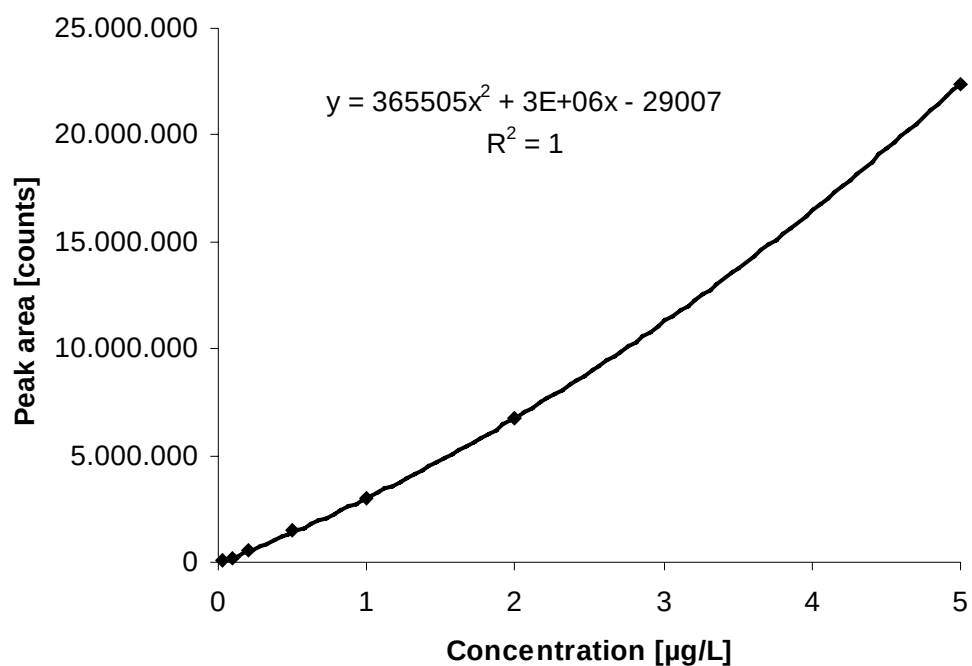
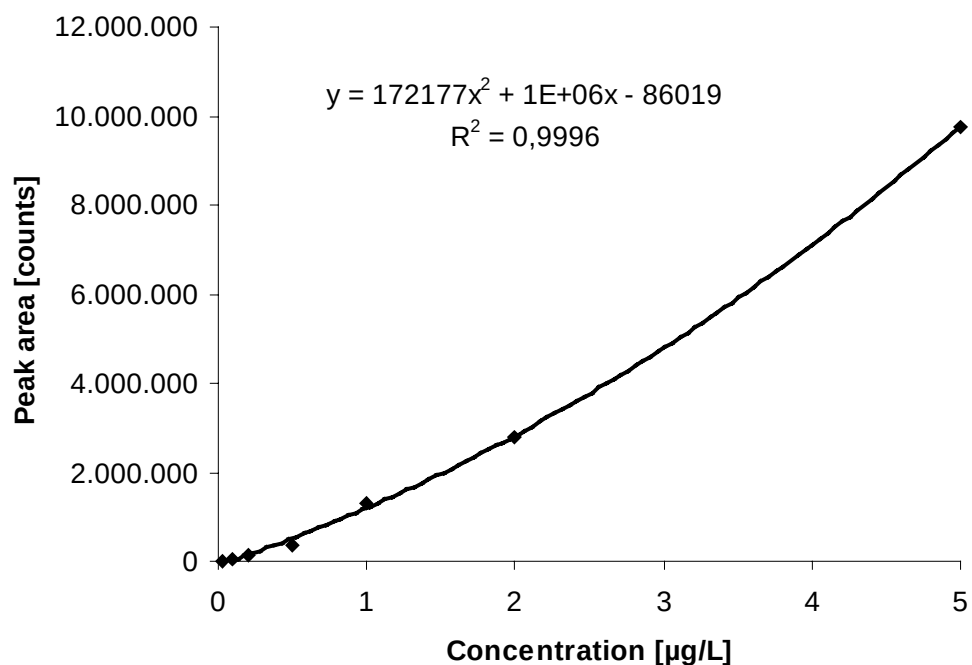
Fenamiphos: 304→217**Fenarimol: 331→268**

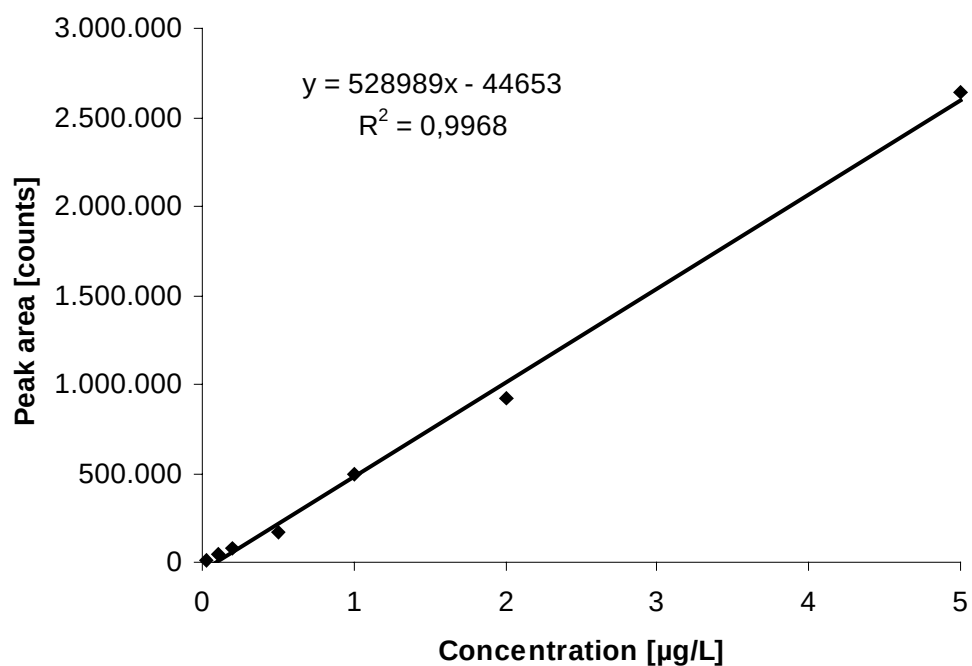
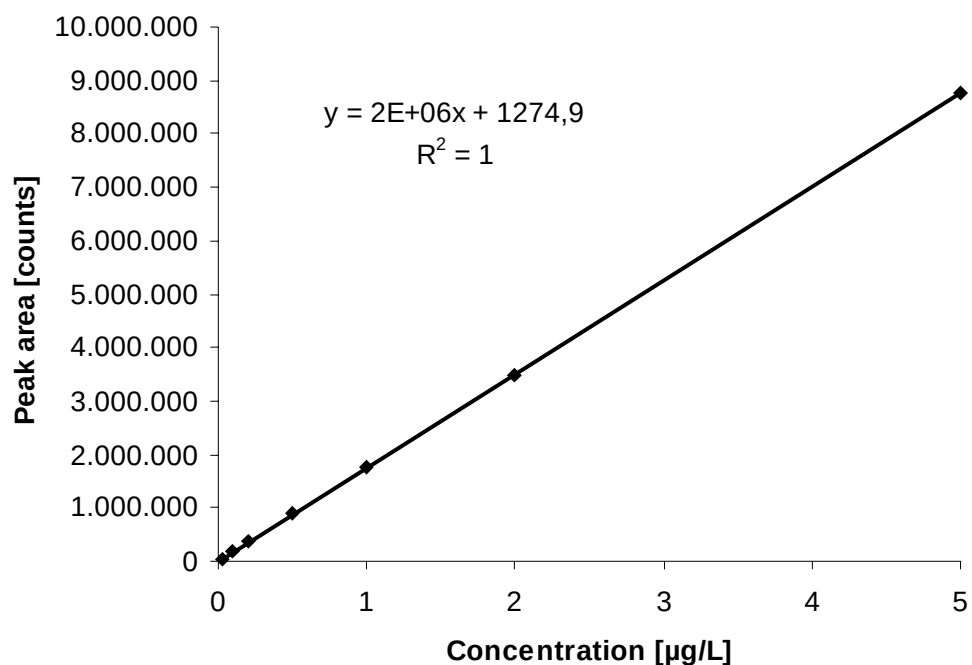
Fenbuconazole: 337→125**Fenfuram: 202→109**

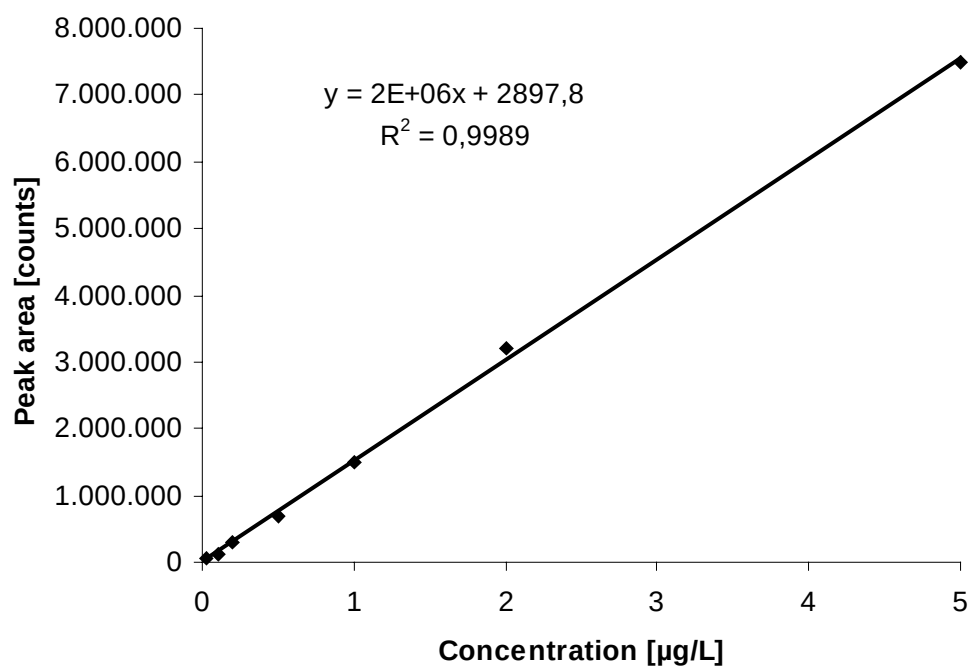
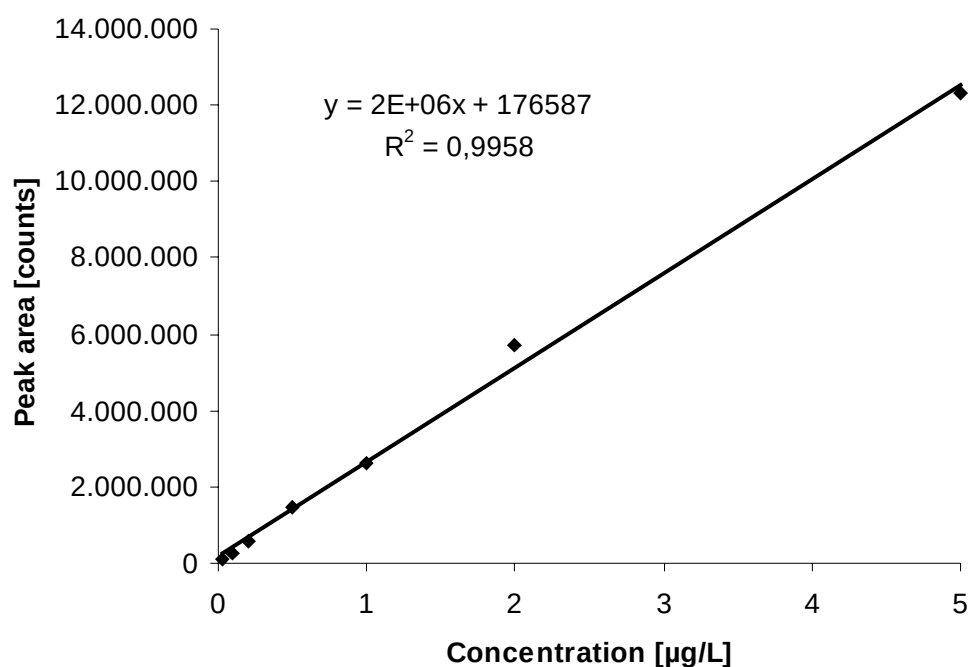
Fenhexamid: 302→97**Fenothiocarb: 254→160**

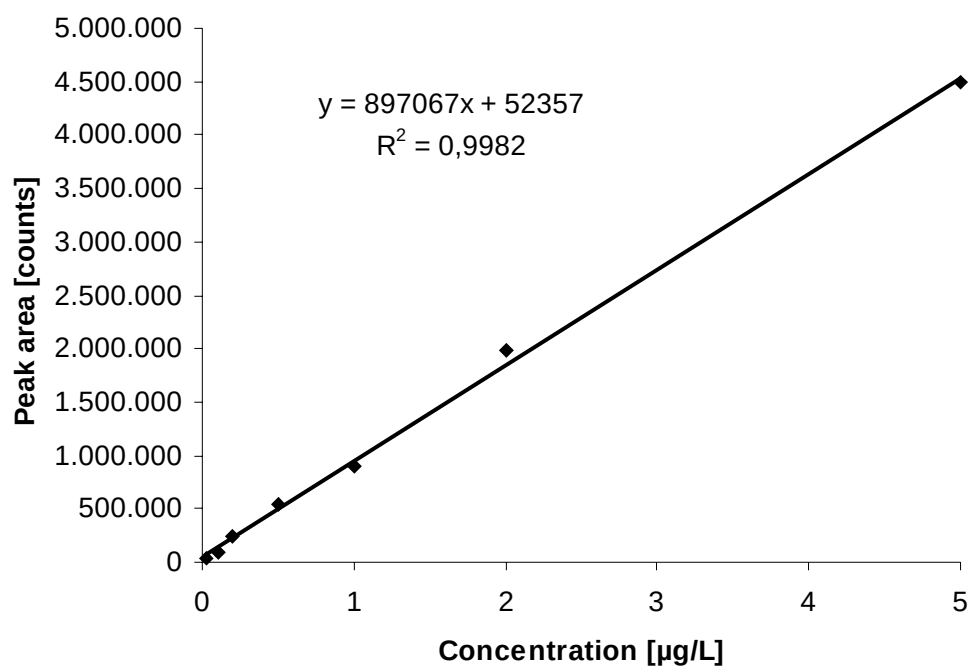
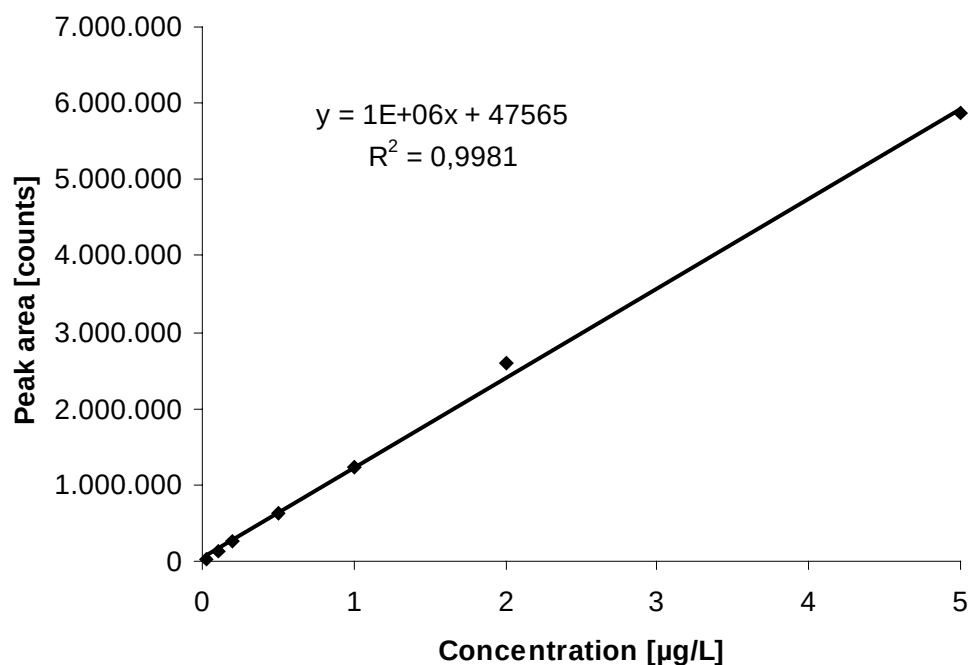
Fenoxaprop-ethyl: 362→288**Fenoxycarb: 302→88**

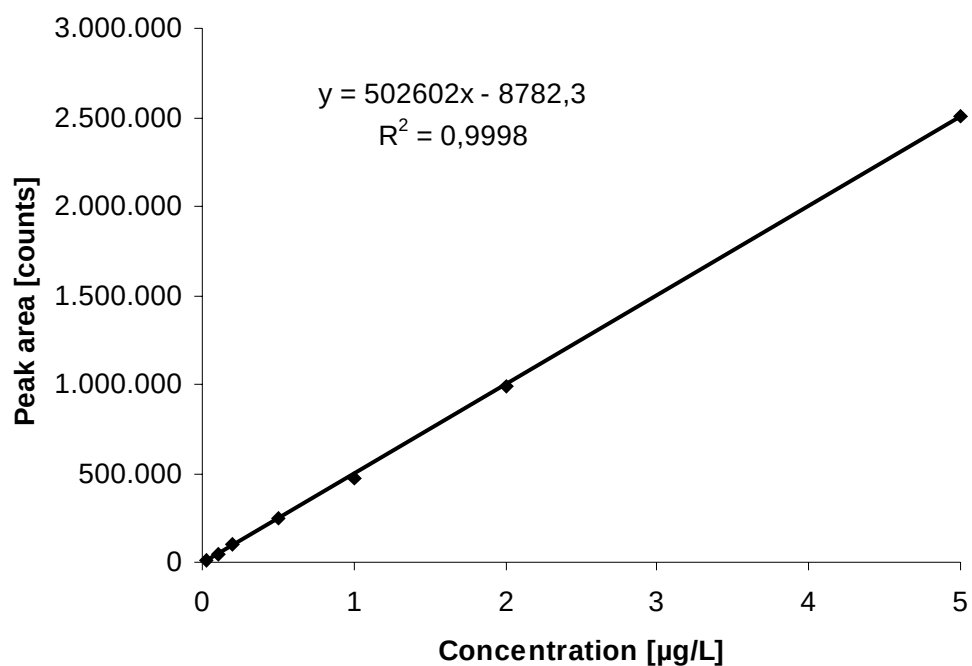
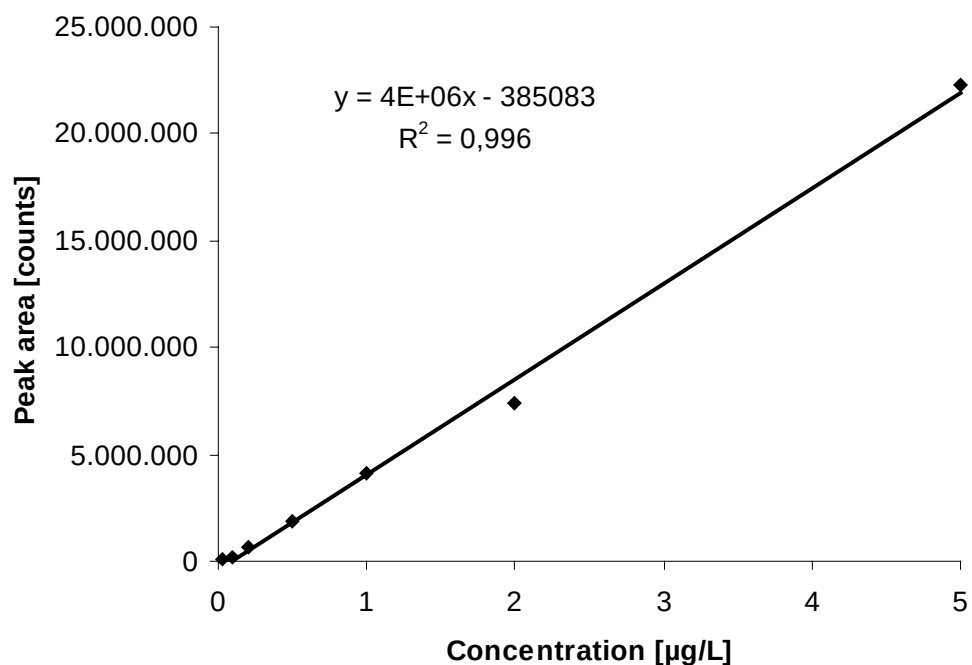
Fenpropathrin: 350→125**Fenpropidin: 274→147**

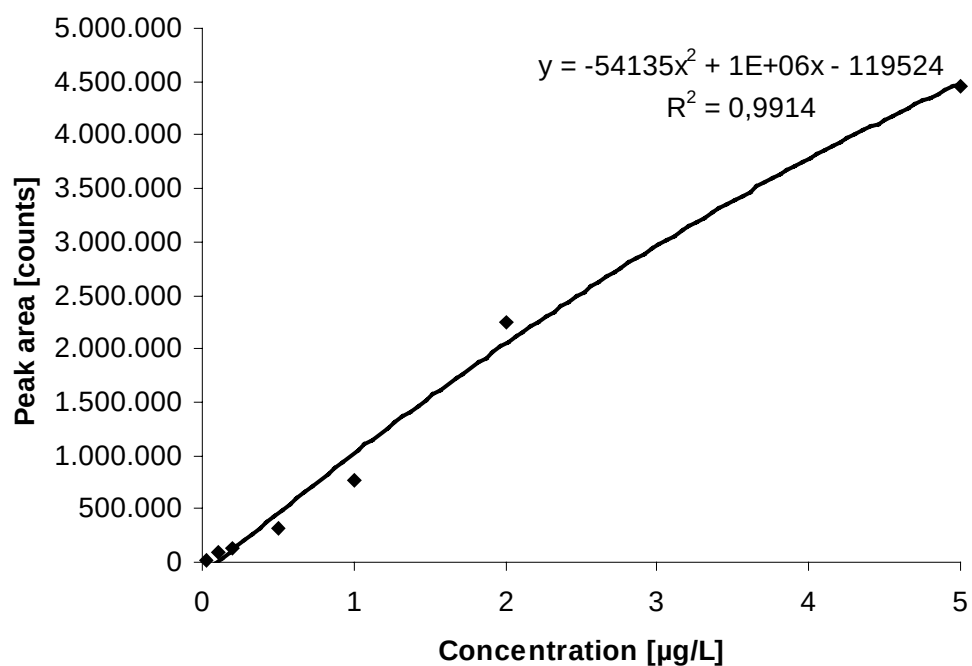
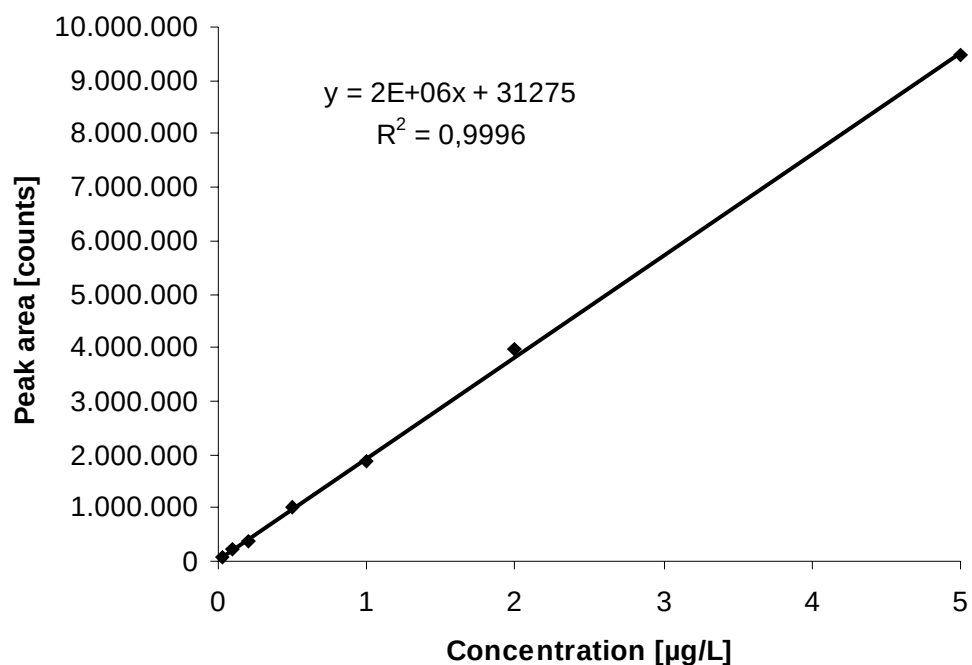
Fenpropimorph: 304→147**Fenpyroximate: 422→366**

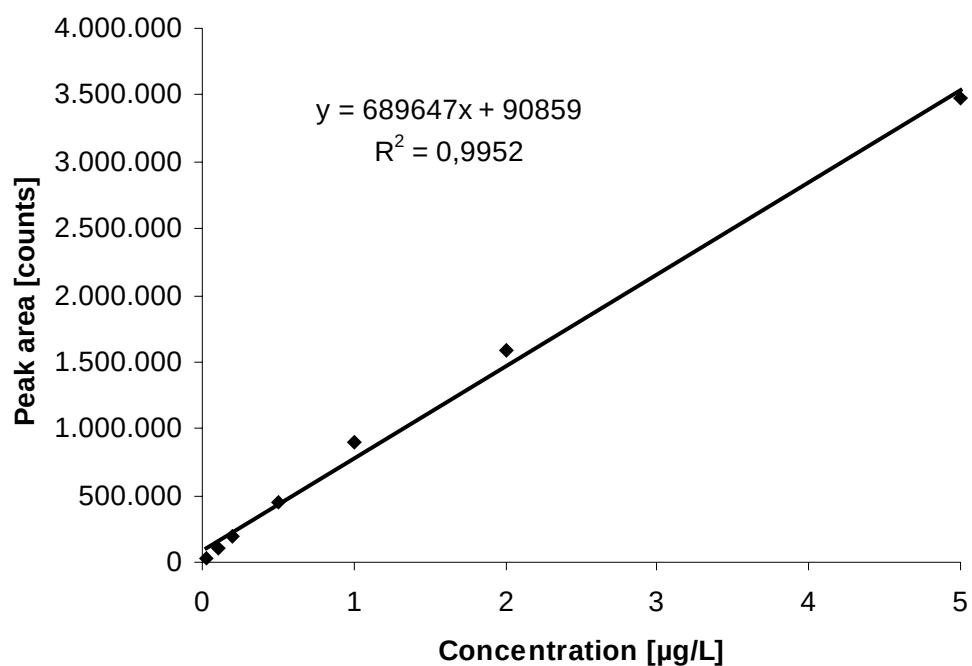
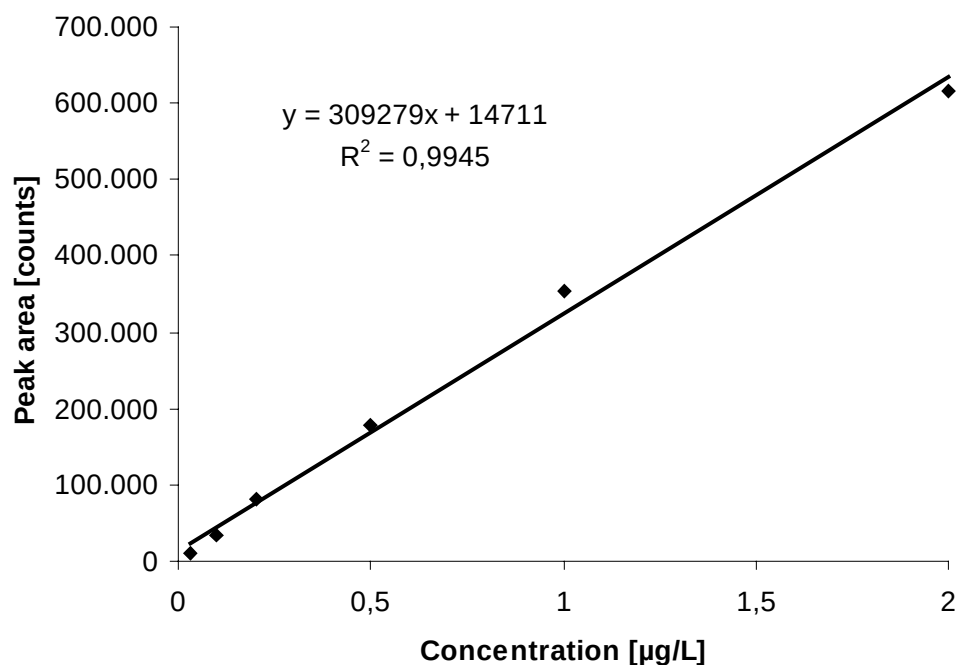
Fenthion: 279→169**Fenuron: 165→72**

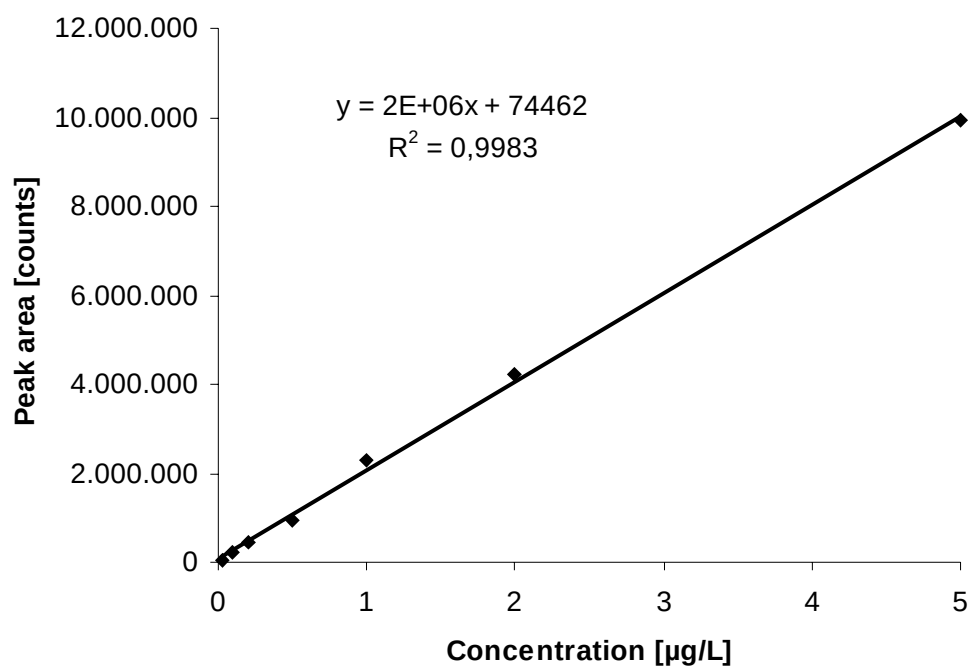
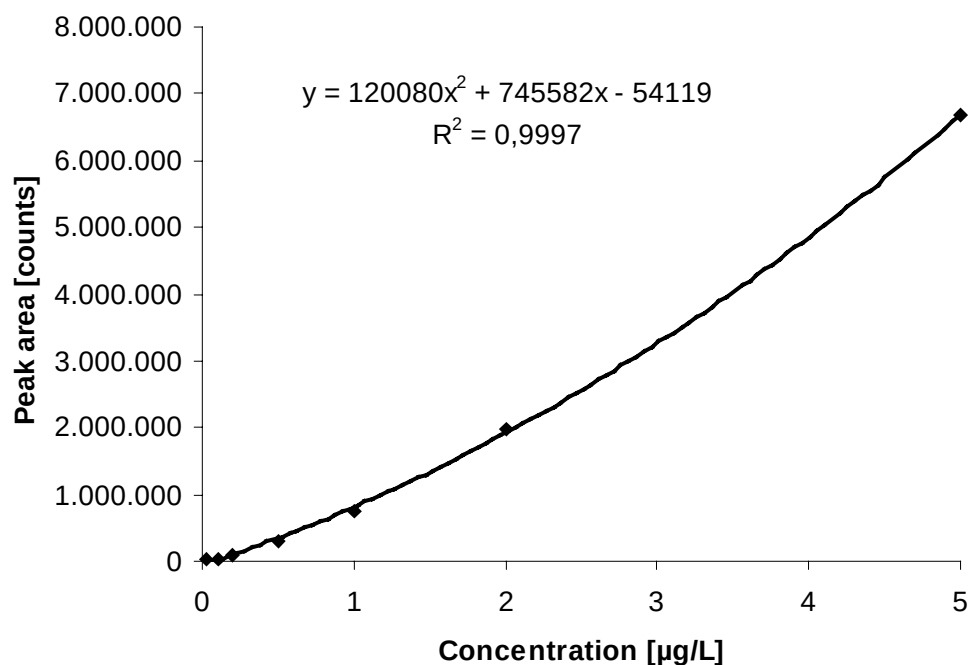
Flamprop-isopropyl: 364→105**Flamprop-methyl: 336→105**

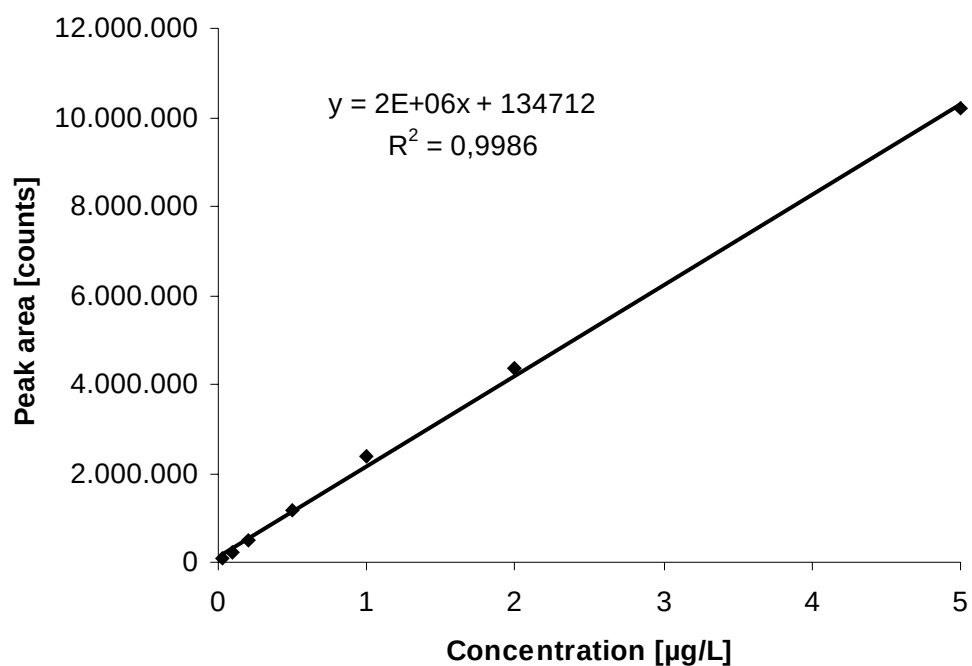
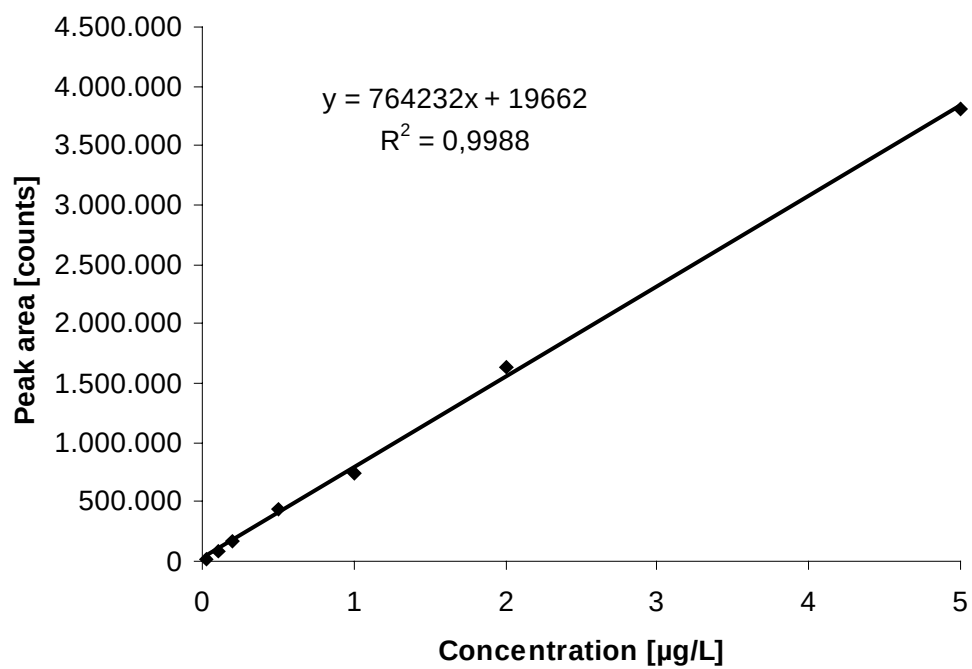
Flazasulfuron: 408→182**Florasulam: 360→129**

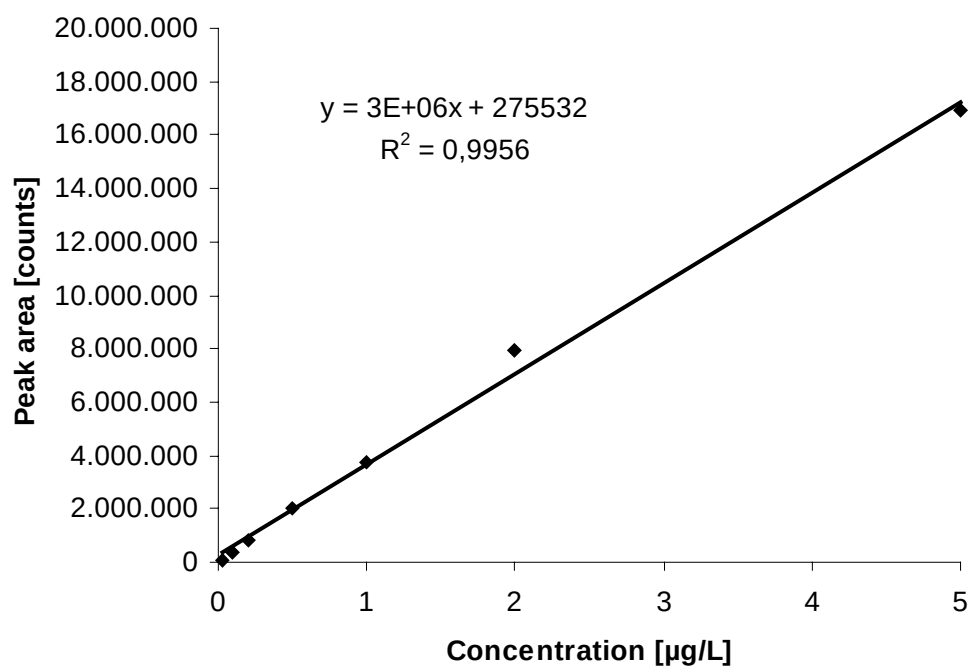
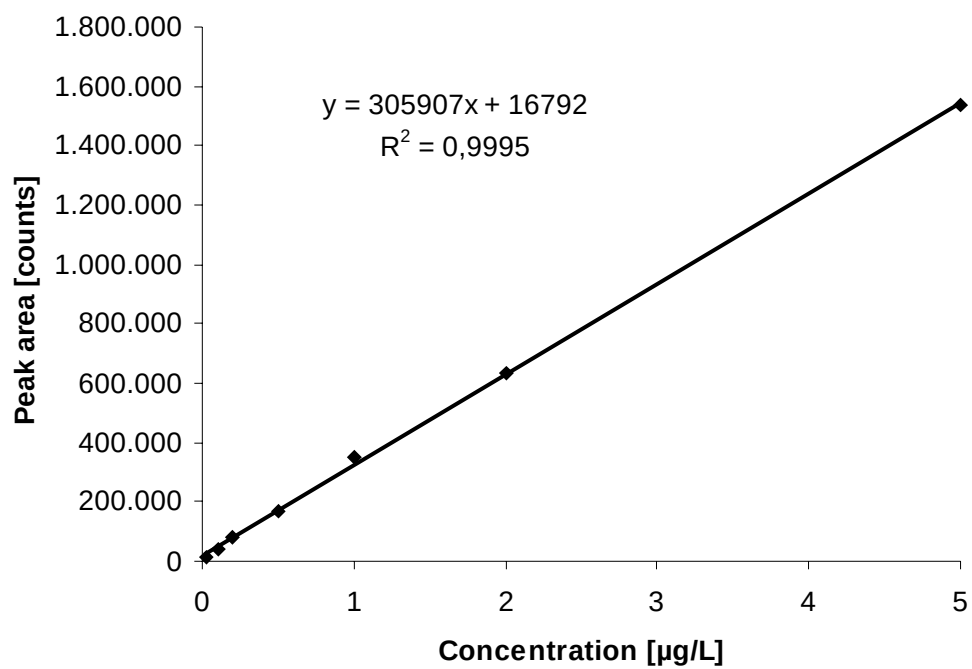
Fluazifop (free acid): 328→282**Fluazifop-butyl: 384→282**

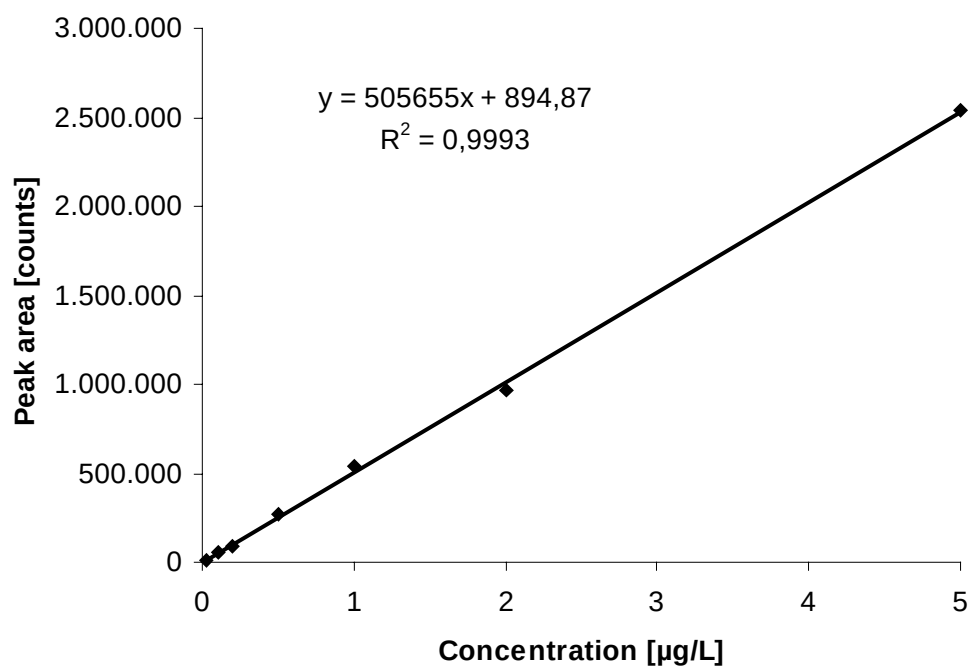
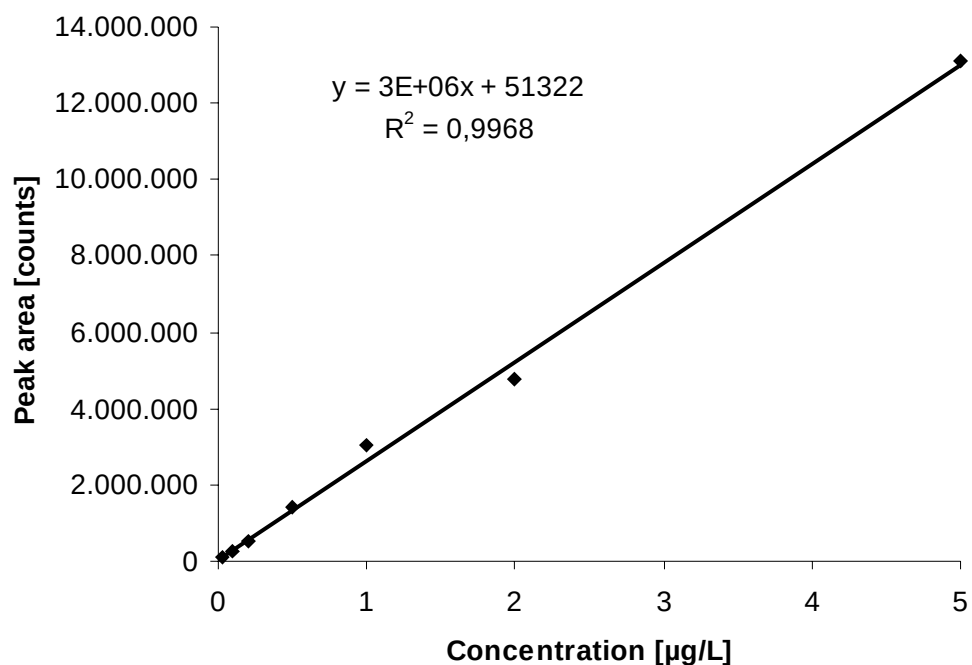
Flufenacet: 364→152**Fluometuron: 233→72**

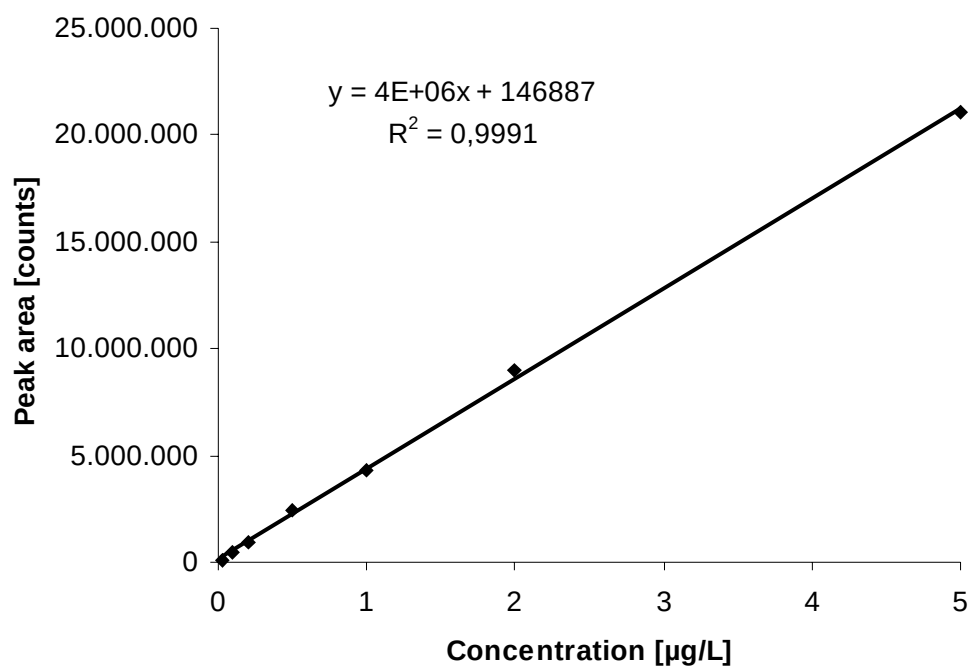
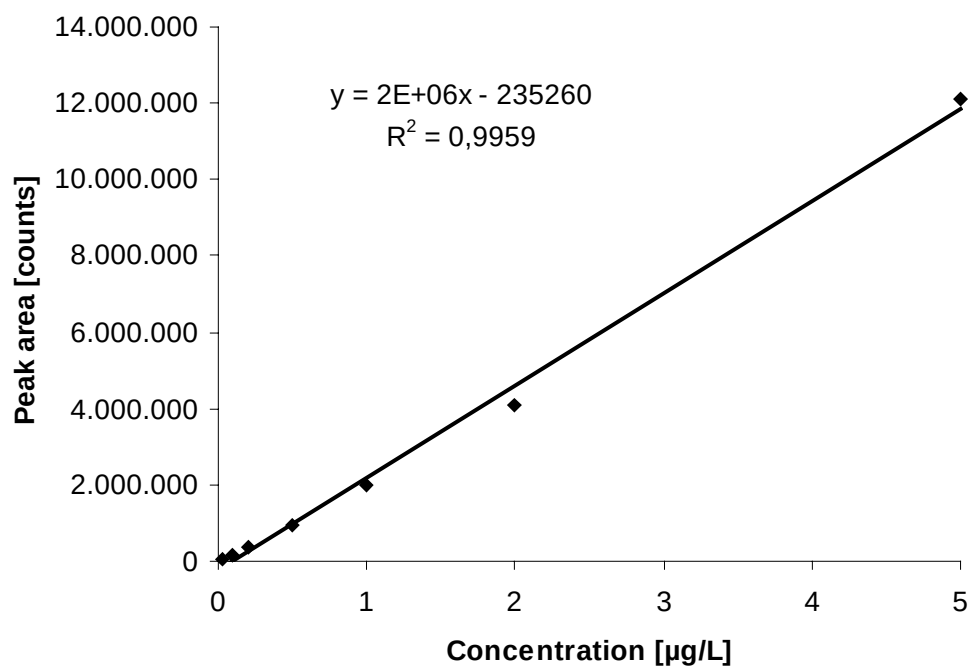
Fluprysulfuron-methyl sodium: 466→182**Fluquinconazole: 376→349**

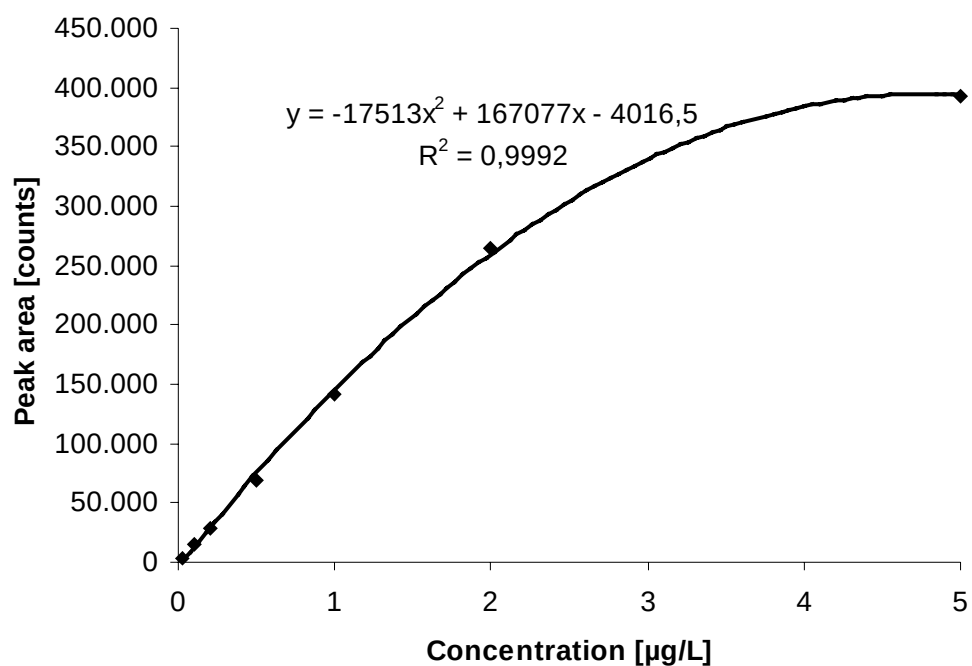
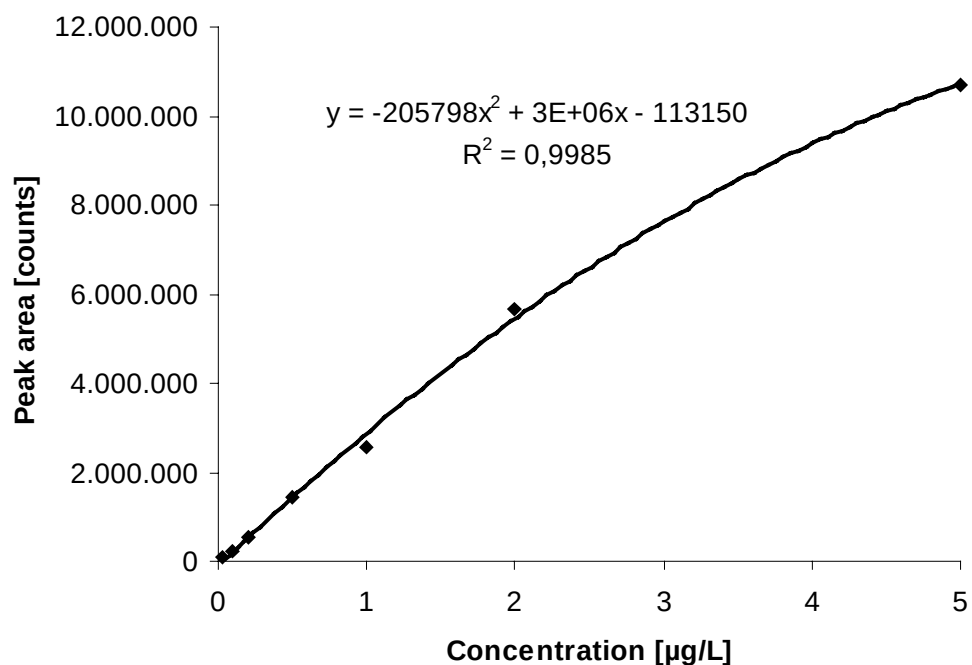
Fluridone: 330→310**Fluroxypyr-meptyl: 367→255**

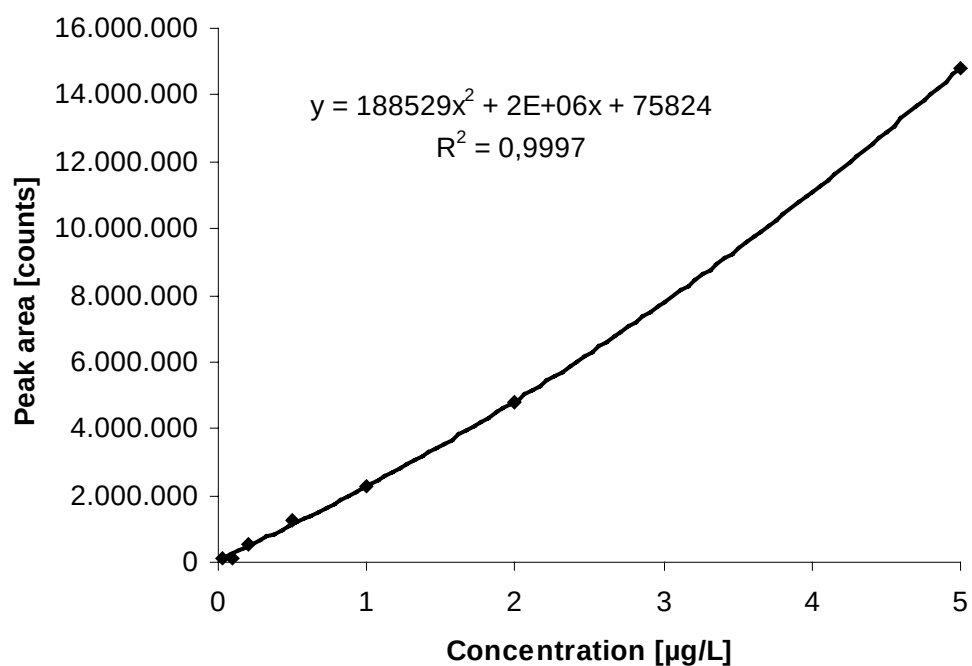
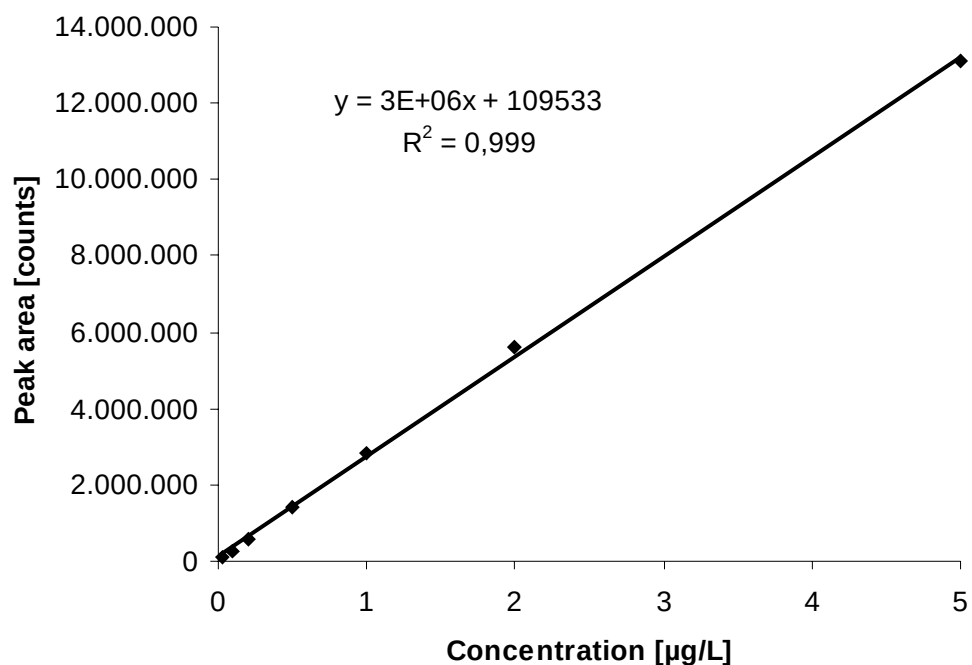
Flurtamone: 334→247**Flusilazole: 316→247**

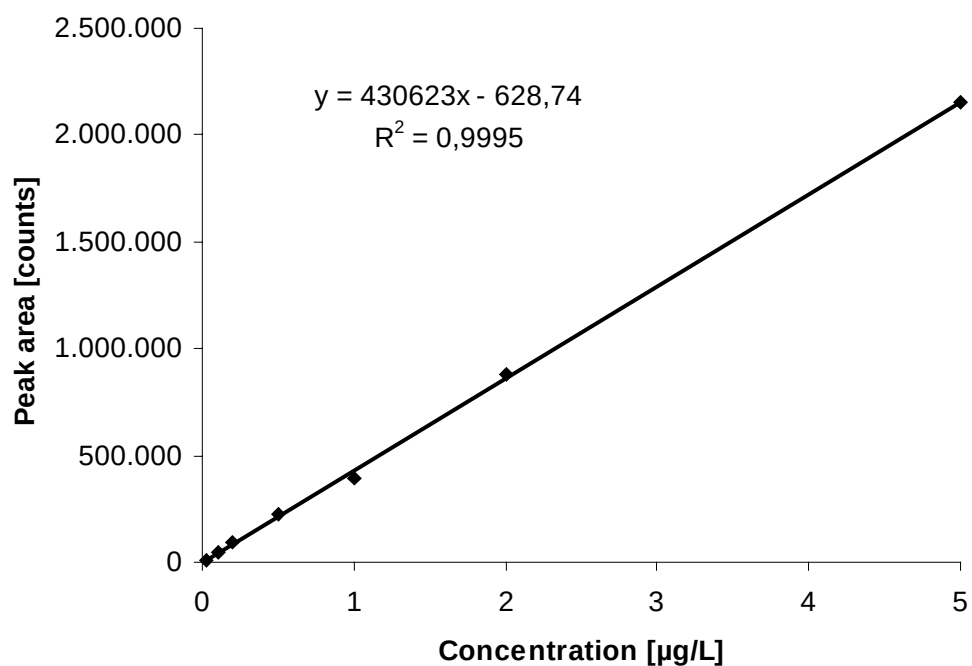
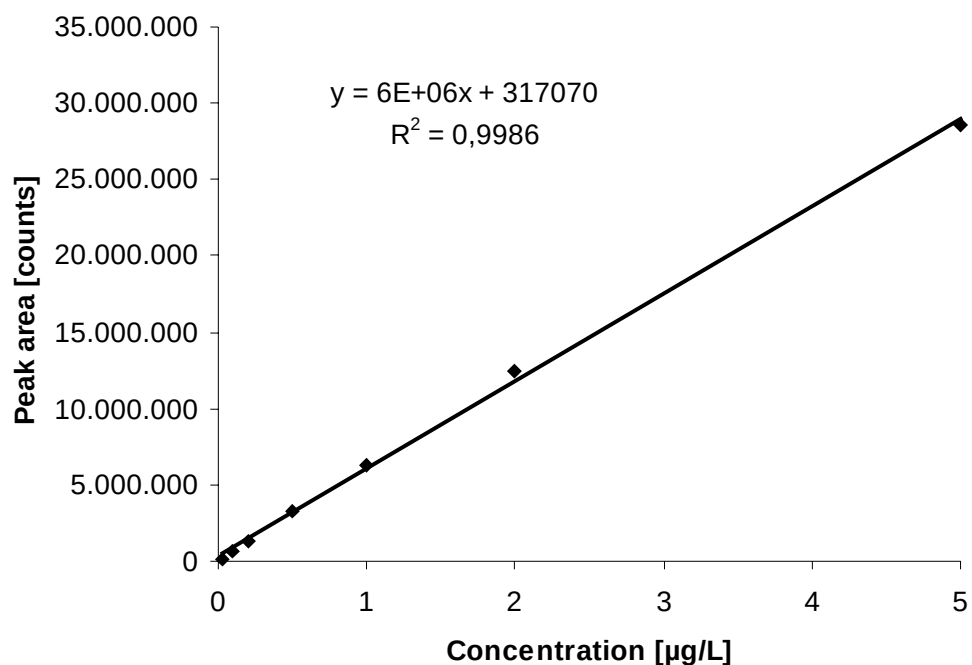
Flutolanil: 324→262**Flutriafol: 302→123**

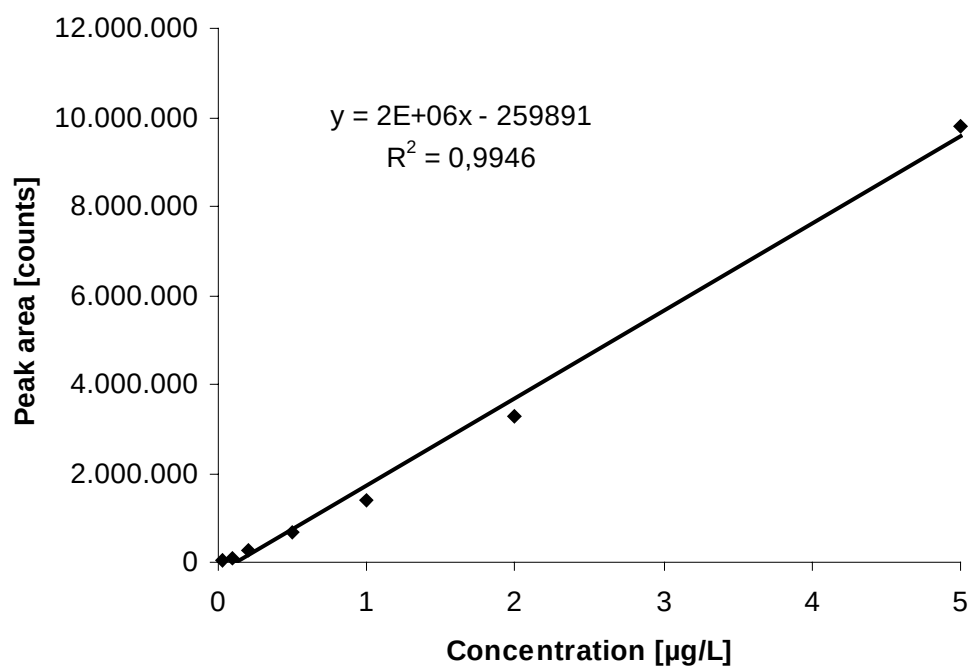
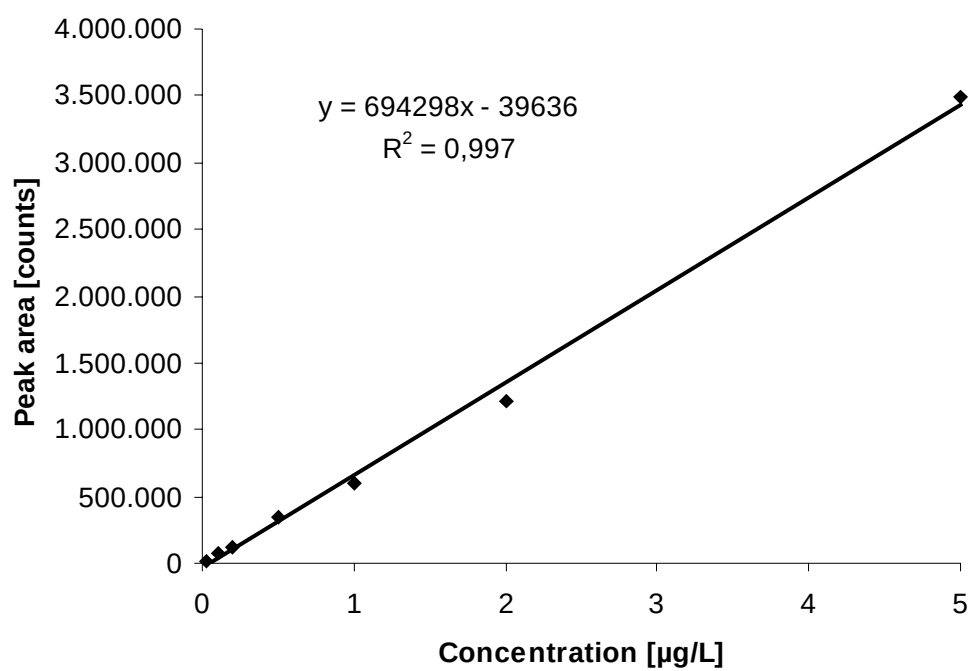
Fonofos: 247→109**Fosthiazate: 284→104**

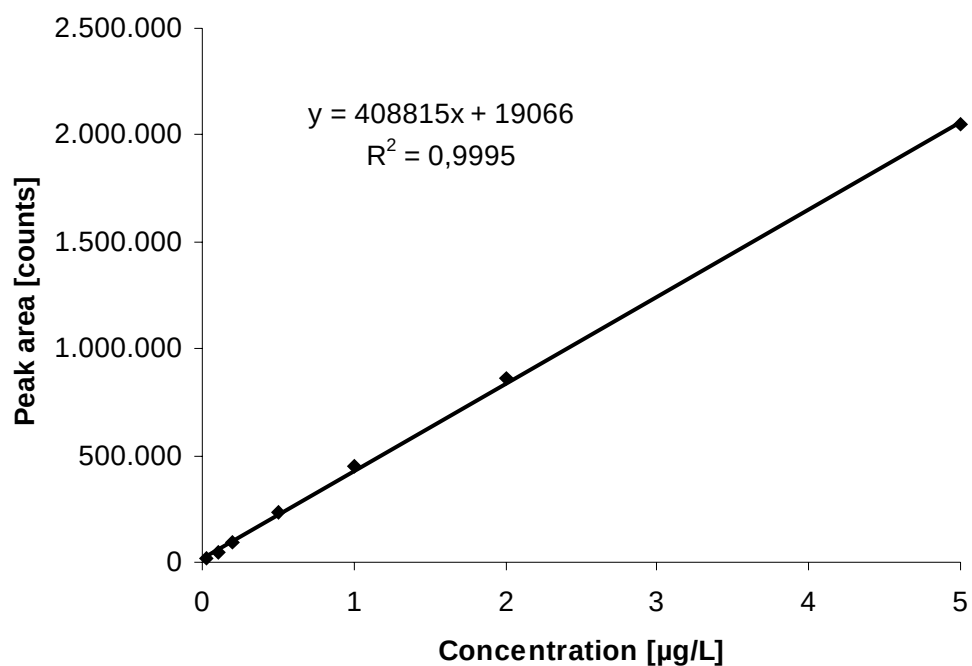
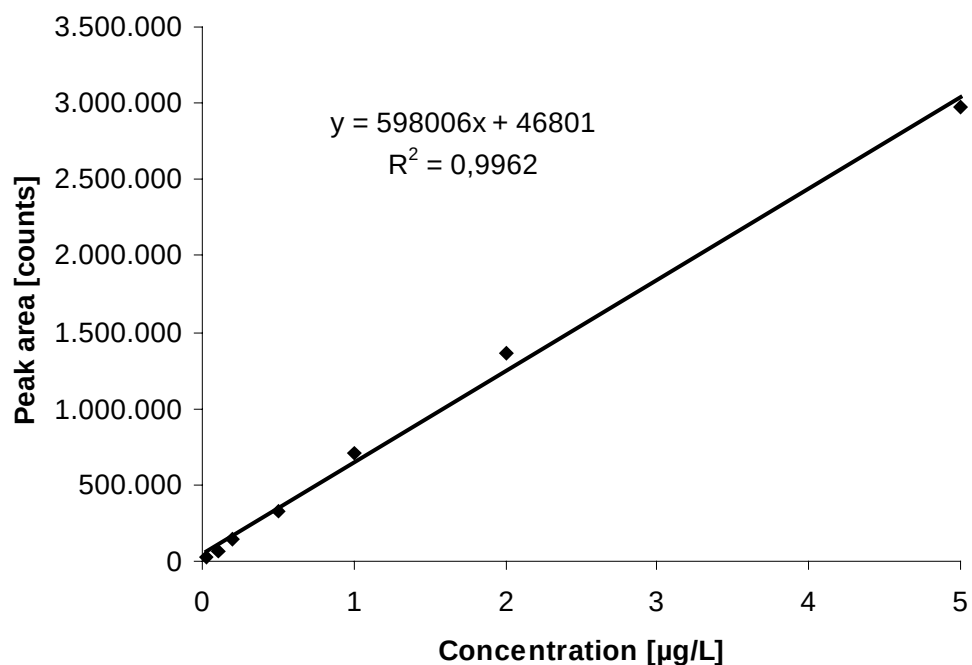
Fuberidazole: 185→157**Furathiocarb: 383→195**

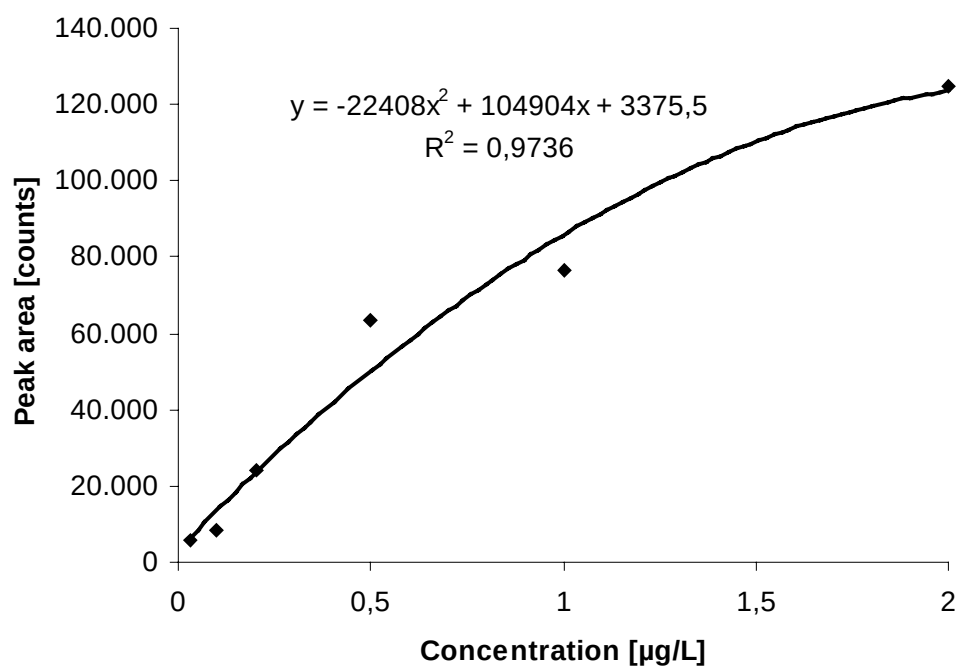
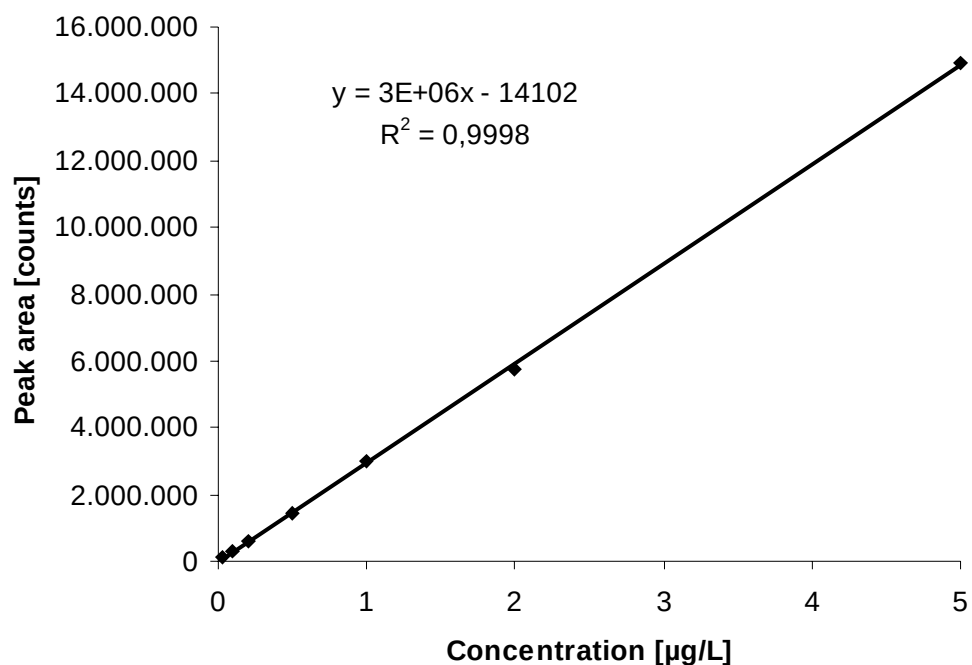
Halosulfuron-methyl: 435→182**Haloxypop-etotyl: 434→316**

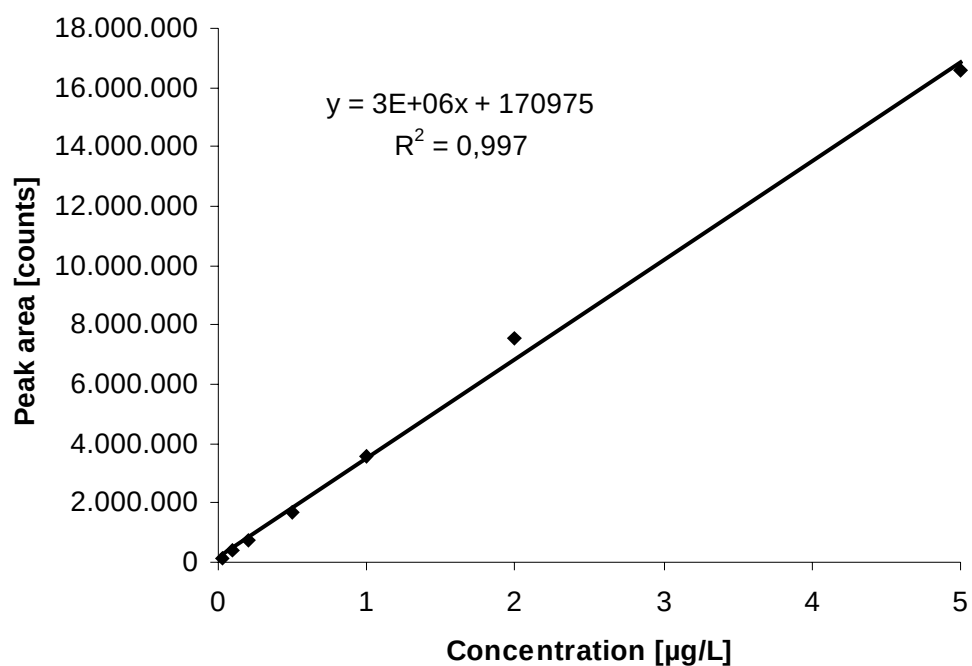
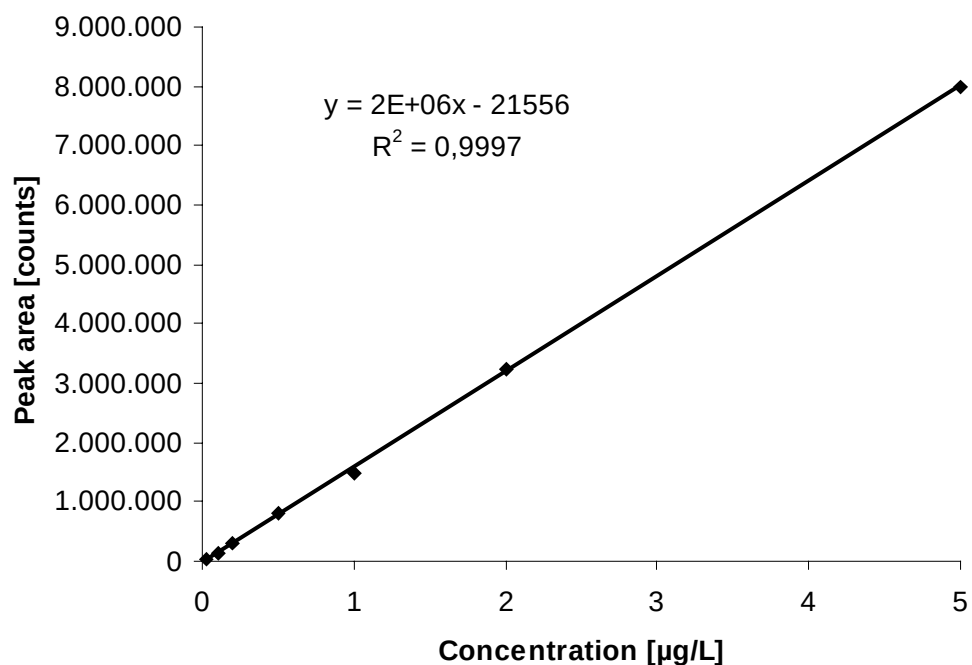
Haloxyfop-methyl: 376→316**Heptenophos: 251→127**

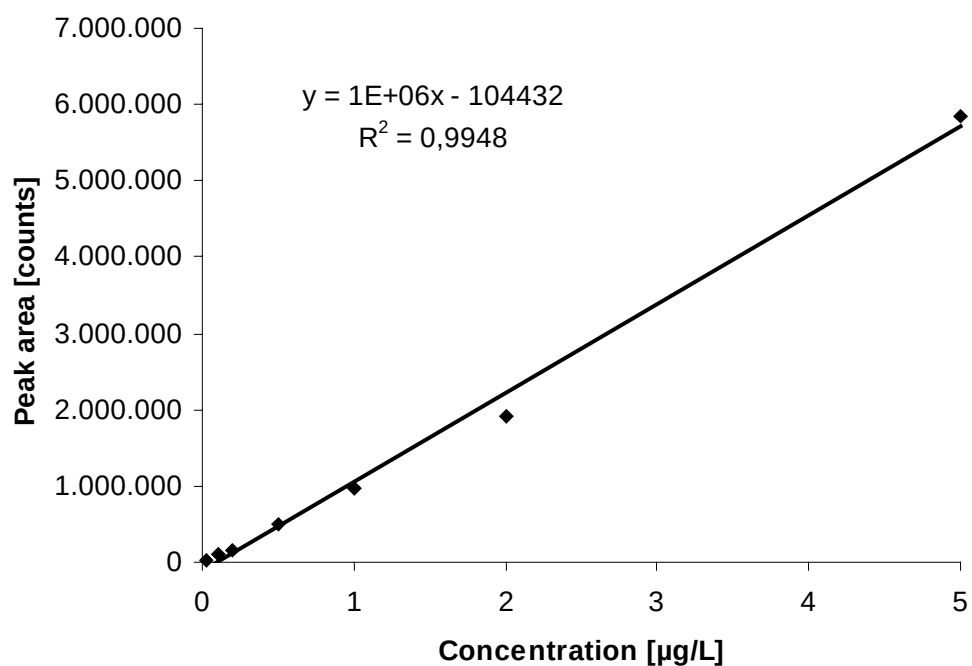
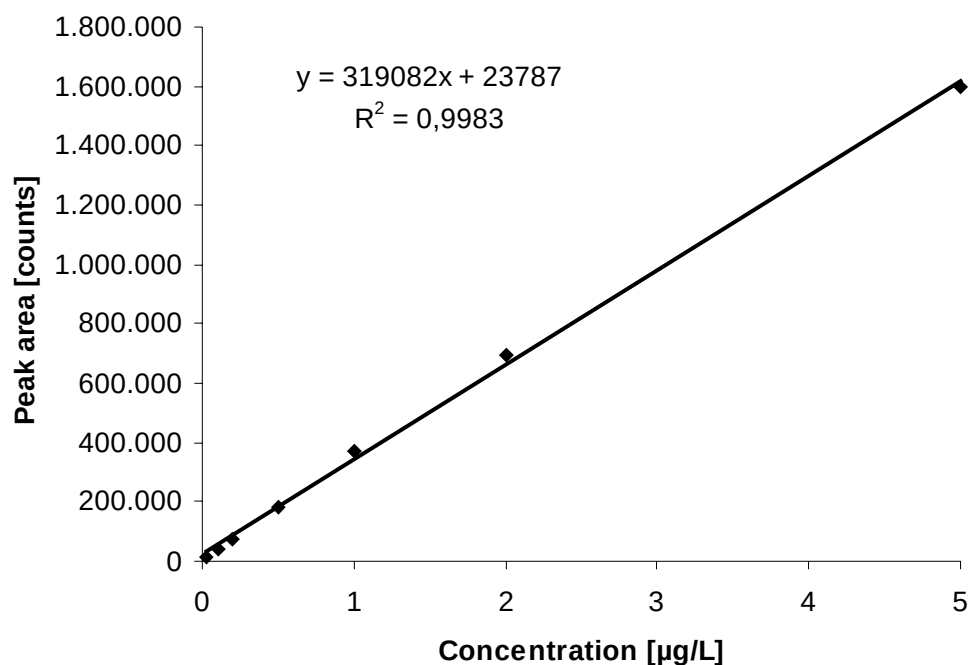
Hexaconazole: 314→70**Hexazinone: 253→171**

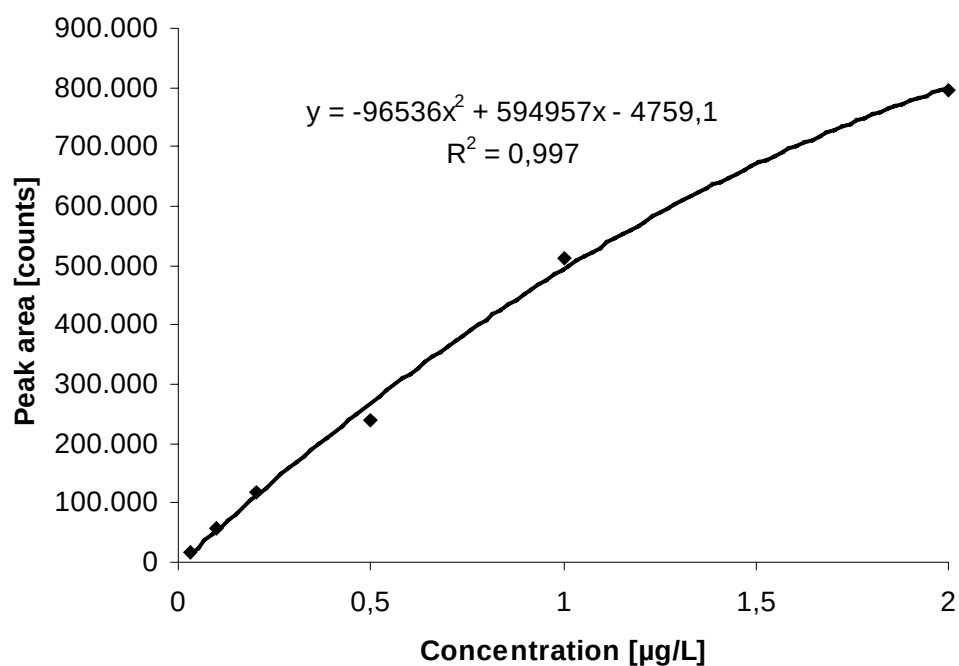
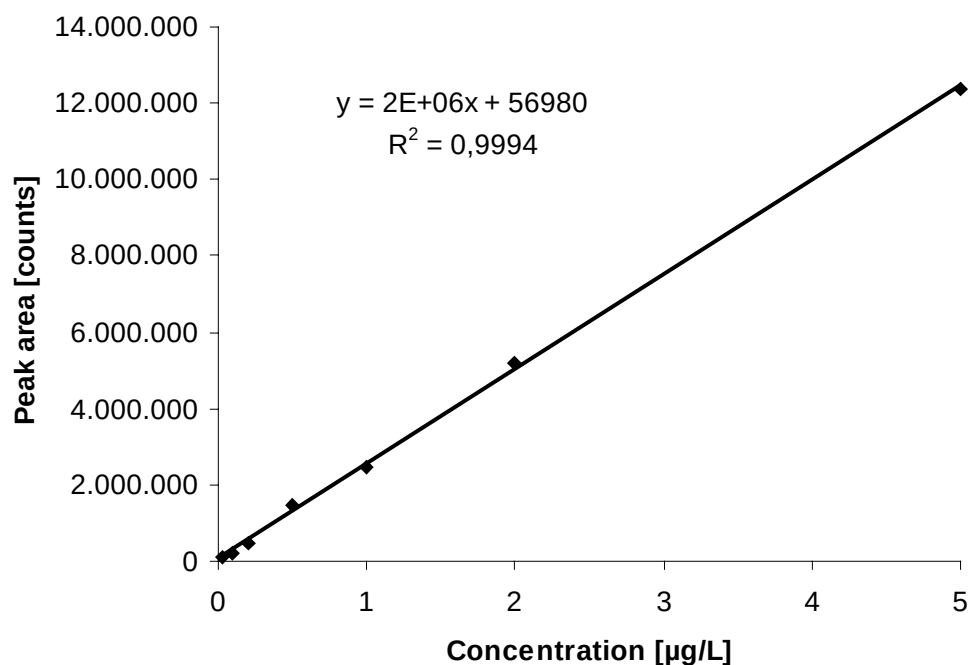
Hexythiazox: 353→228**Imazalil: 297→159**

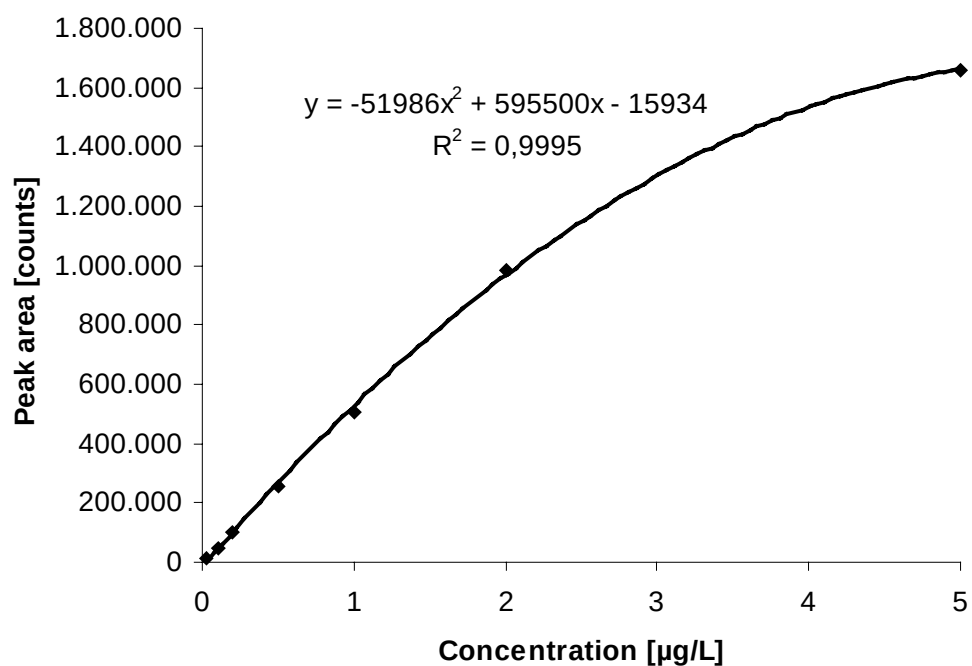
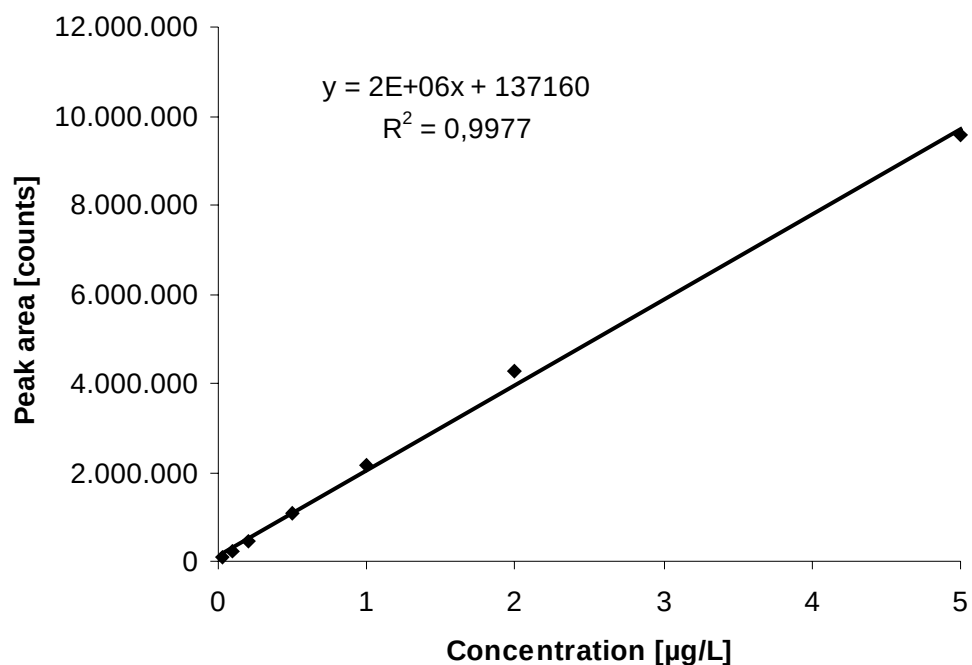
Imidacloprid: 256→209**Iodosulfuron-methyl: 508→167**

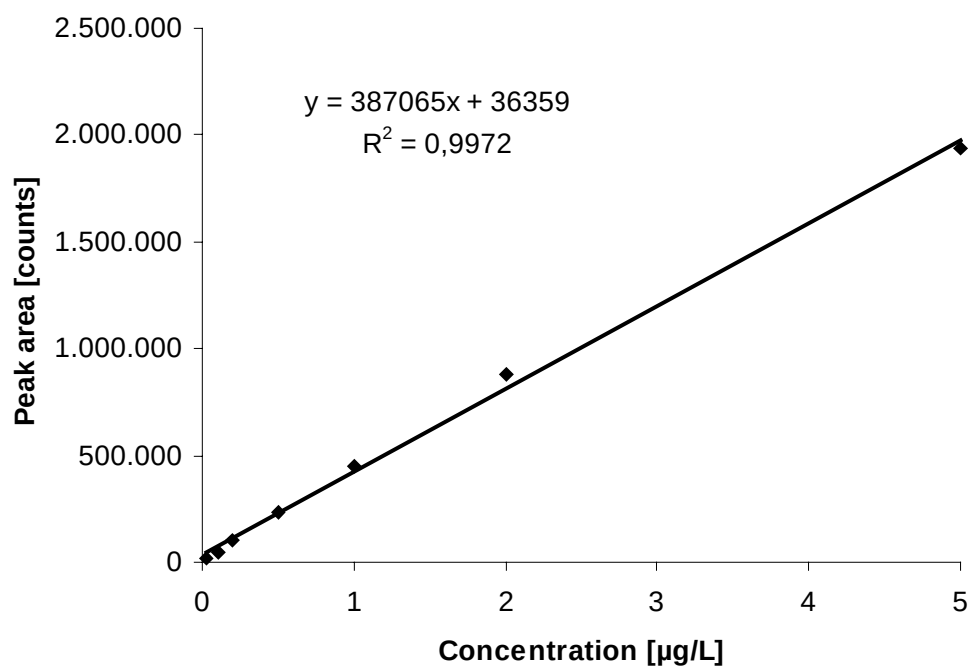
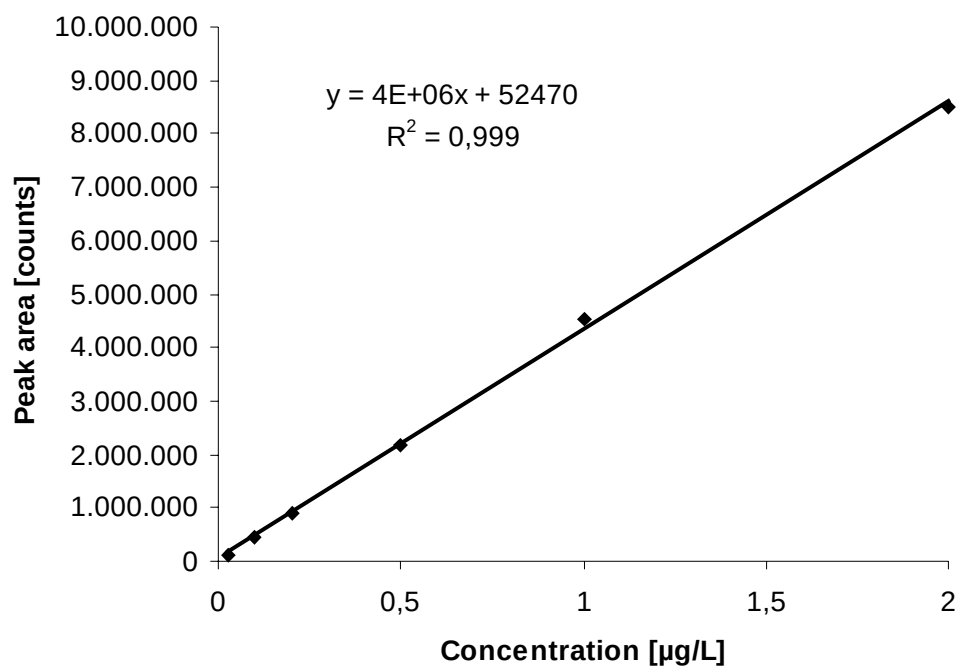
Iprodione: 330→143**Iprovalicarb: 321→119**

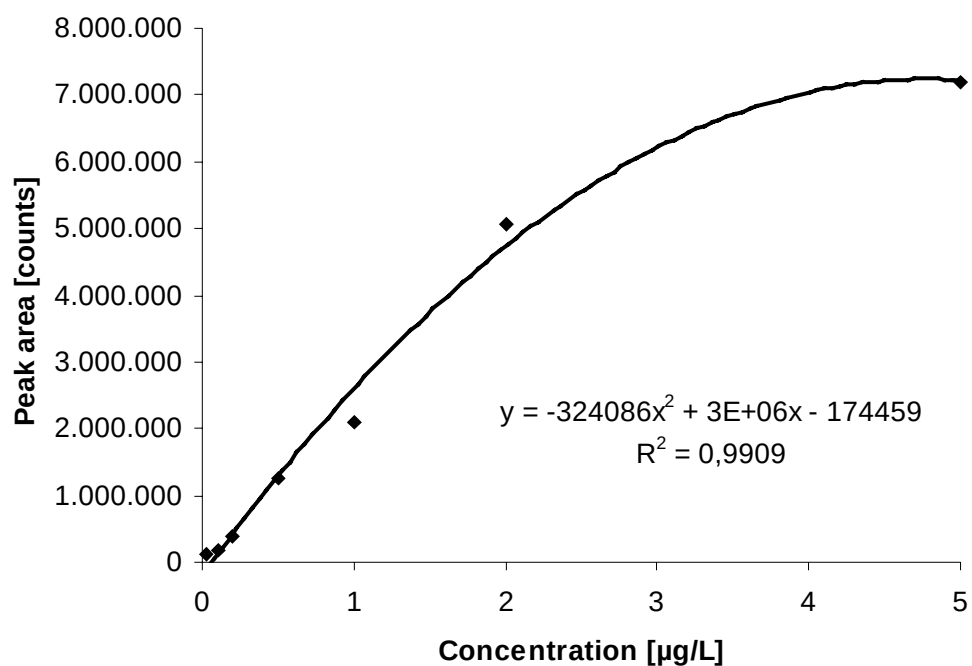
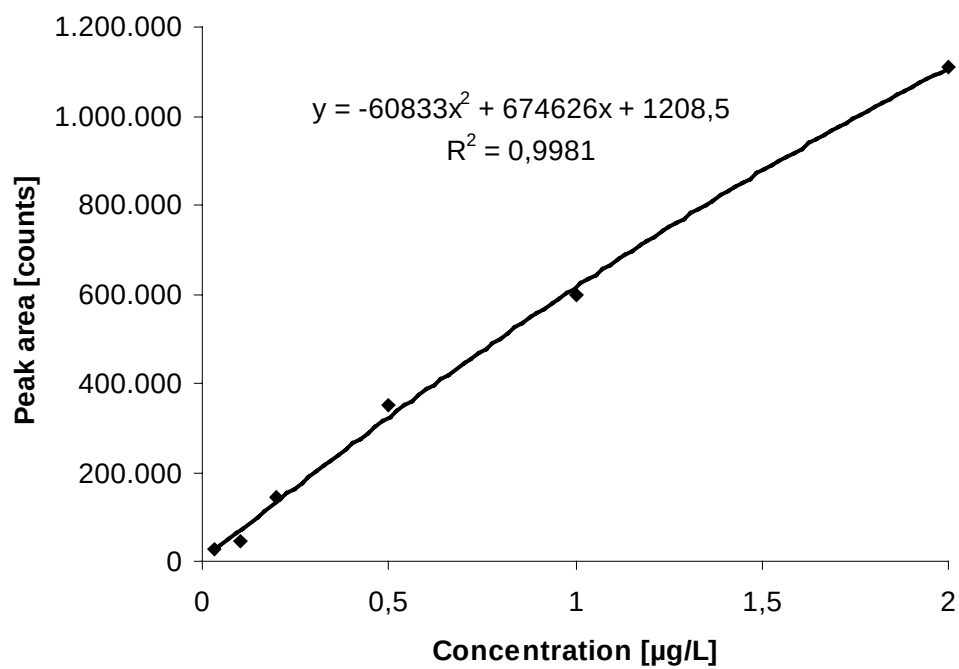
Isazofos: 314→120**Isofenphos: 346→217**

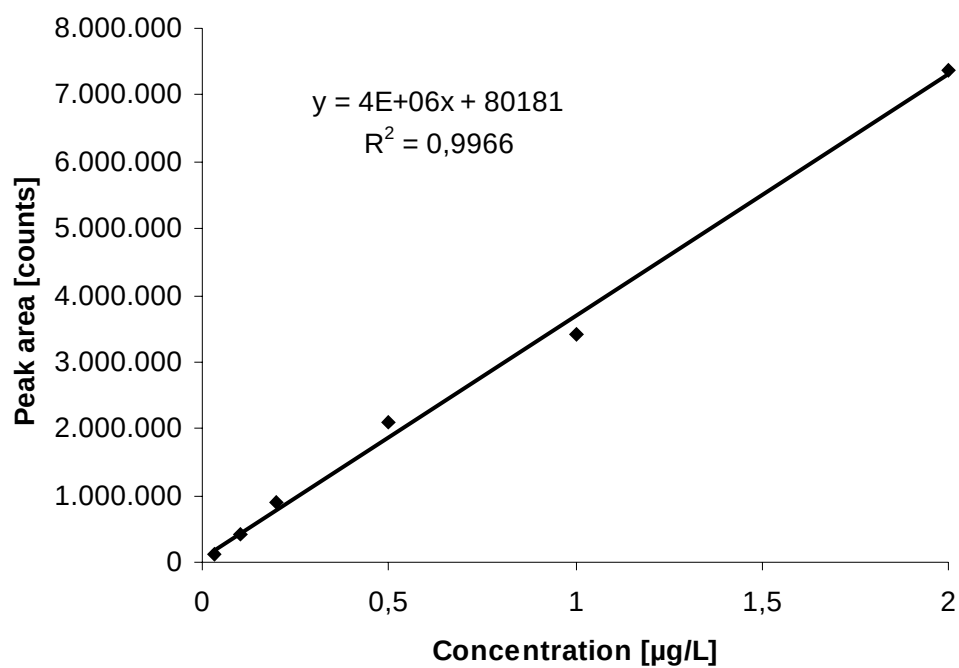
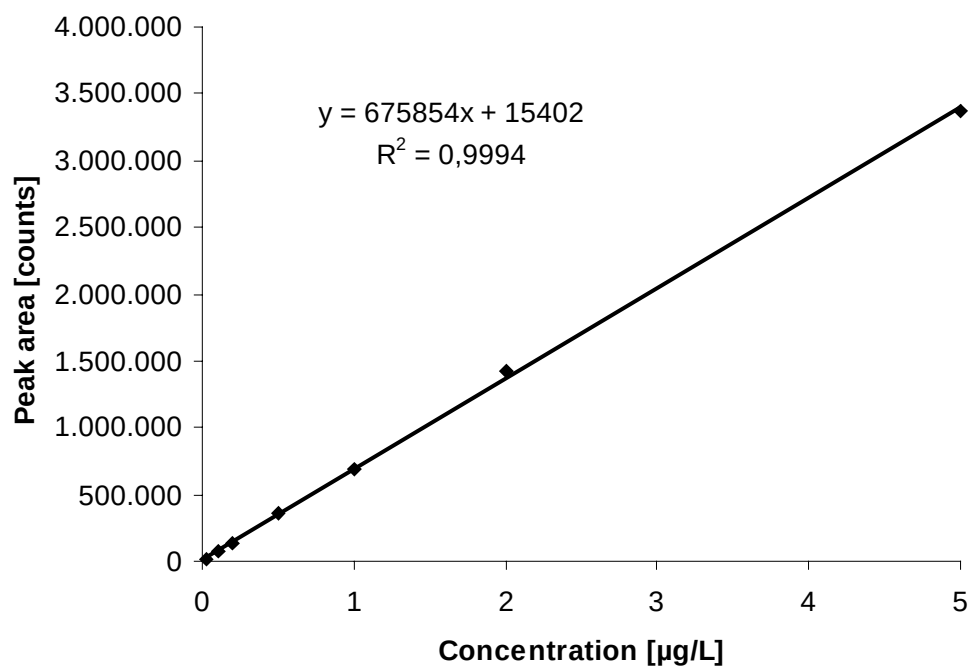
Isoprothiolane: 291→189**Isoproturon: 207→165**

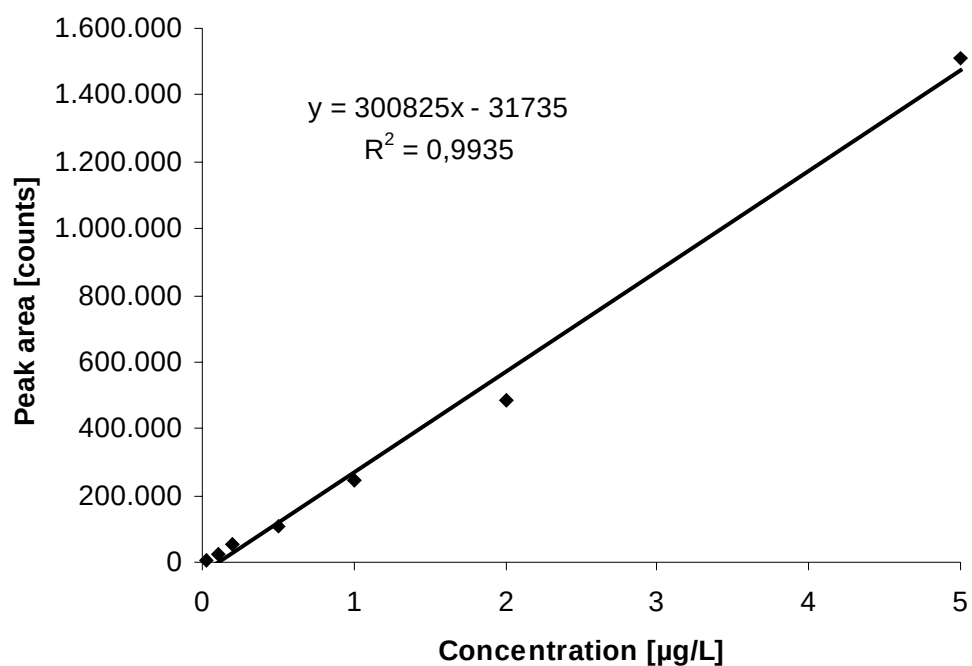
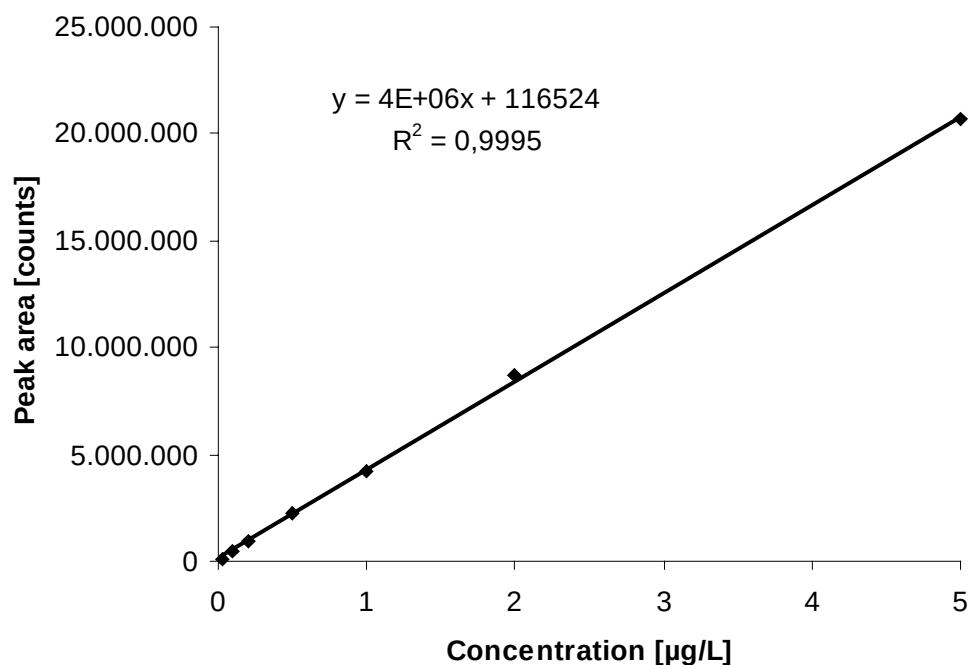
Isoxadifen-ethyl: 313→232**Isoxathion: 314→105**

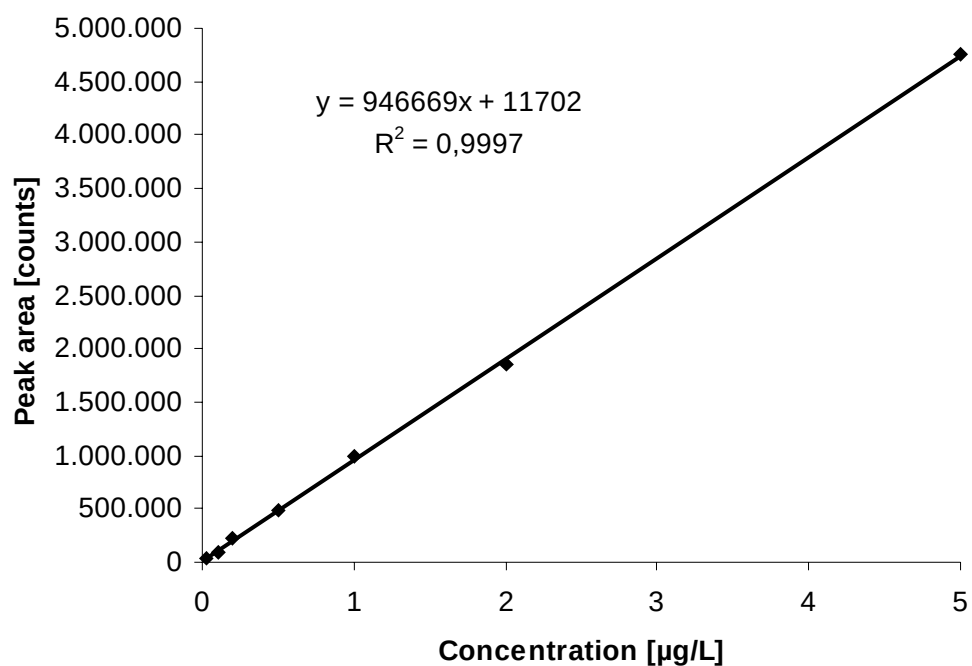
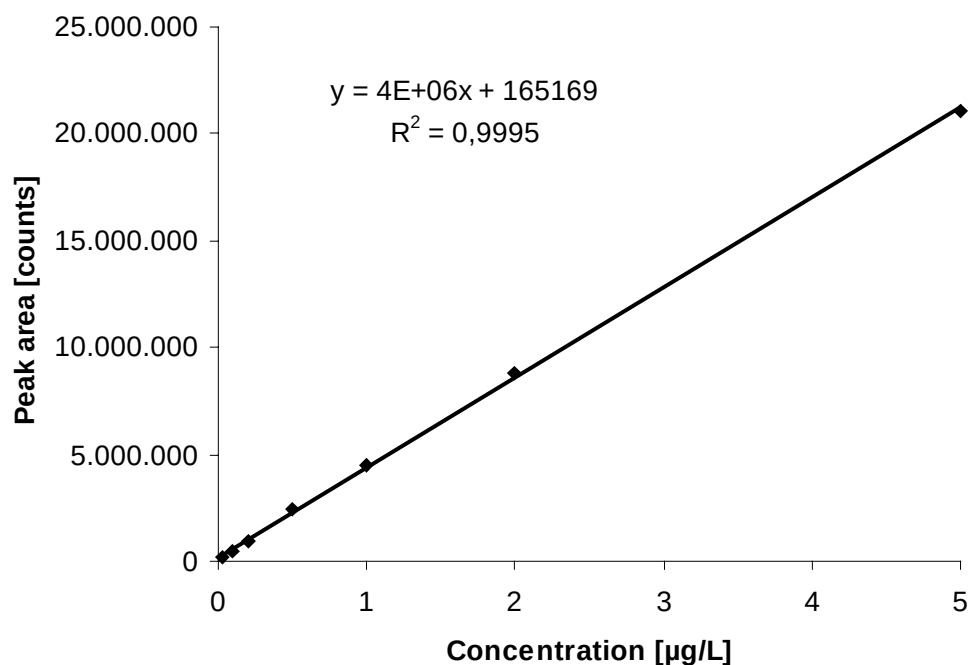
Kresoxim-methyl: 314→116**Lenacil: 235→153**

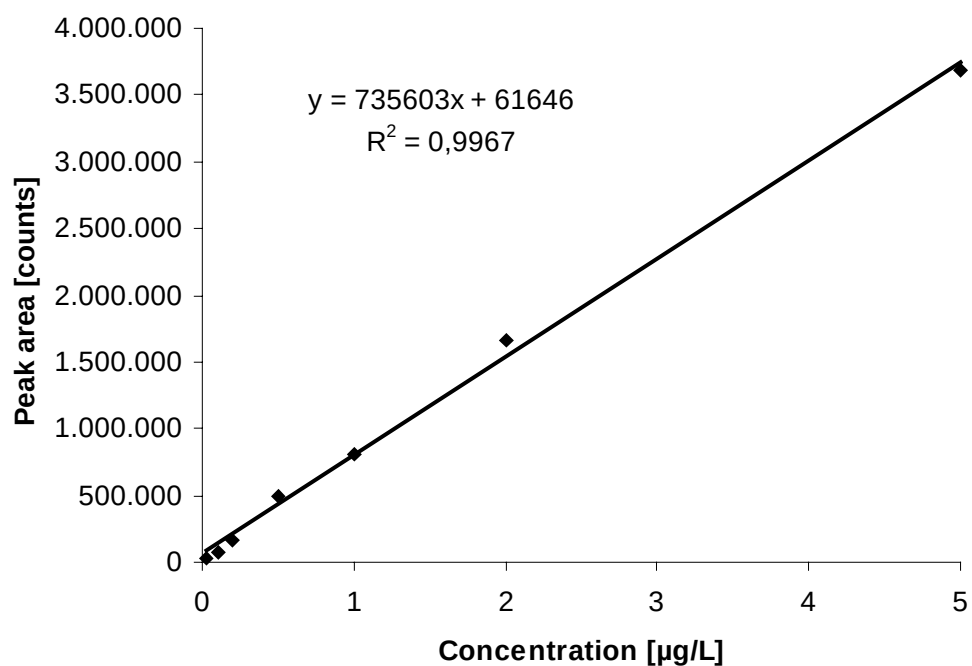
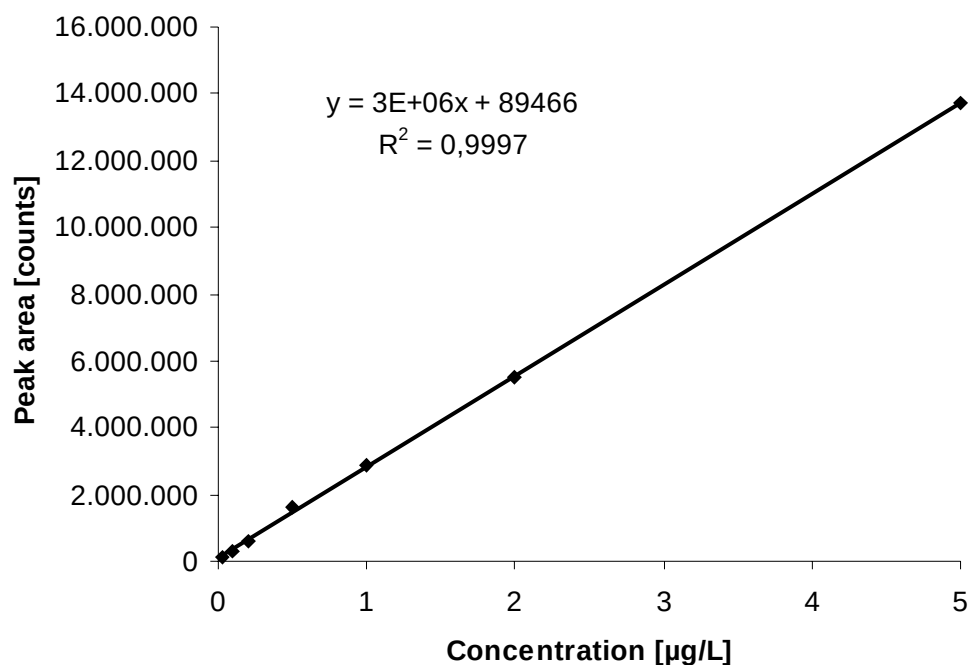
Linuron: 249→160**Malaoxon: 315→127**

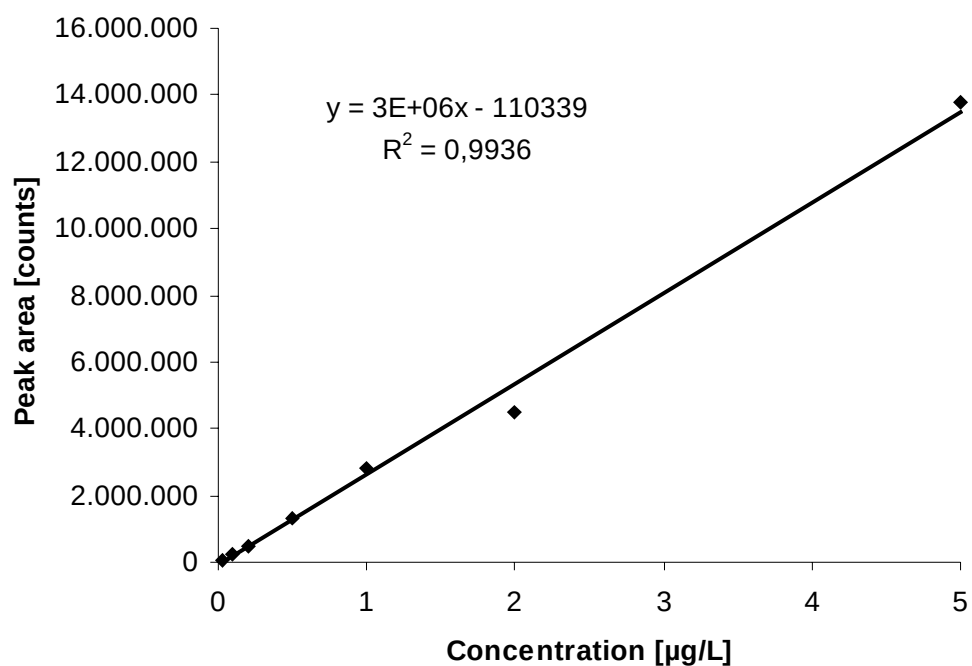
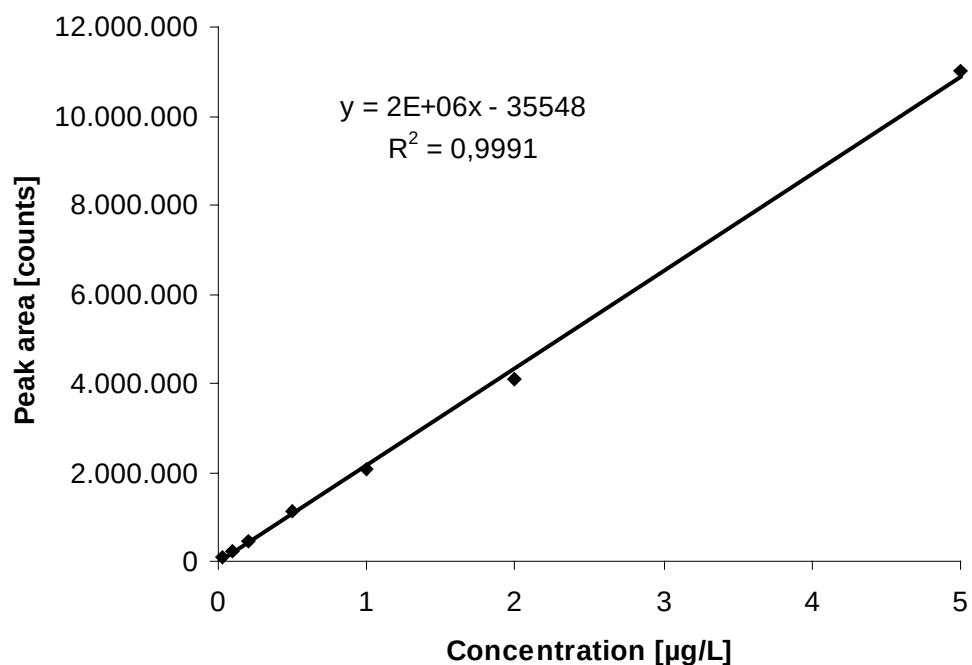
Malathion: 331→127**MCPA-Butotyl: 318→227**

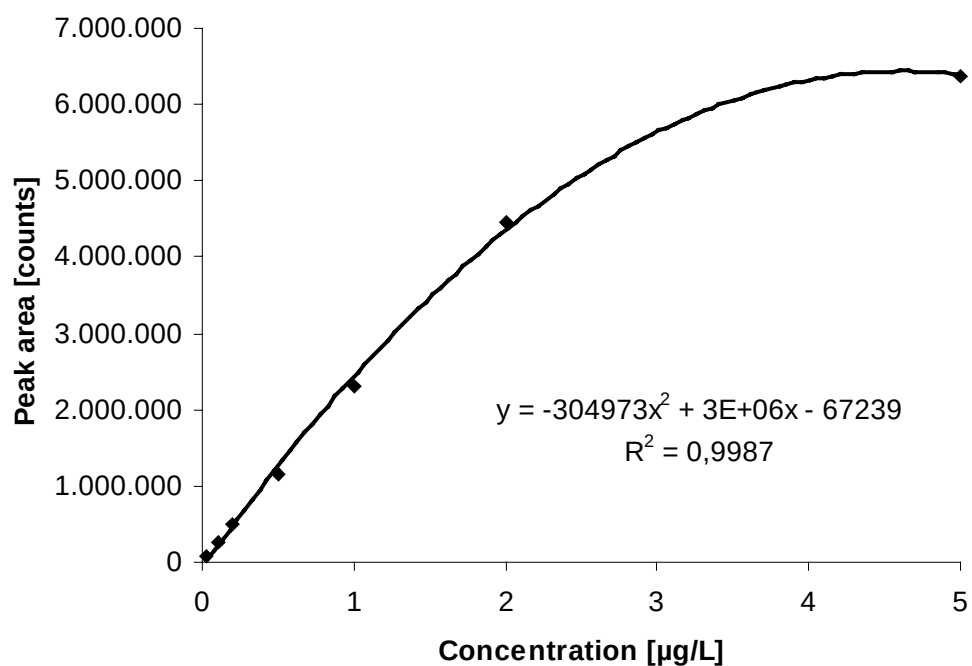
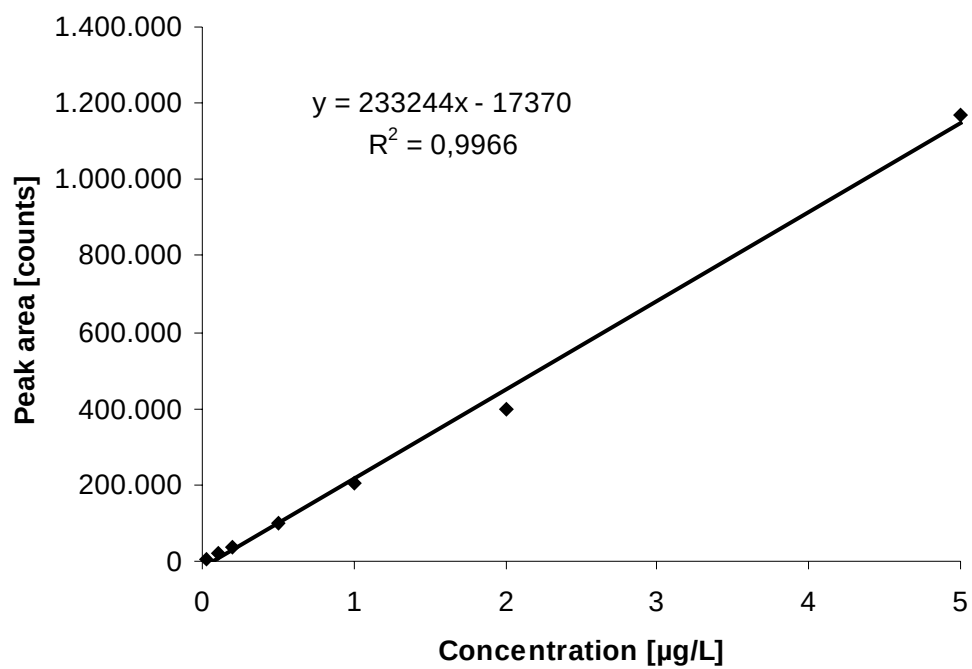
Mecarbam: 330→227**Mepanipyrim: 224→106**

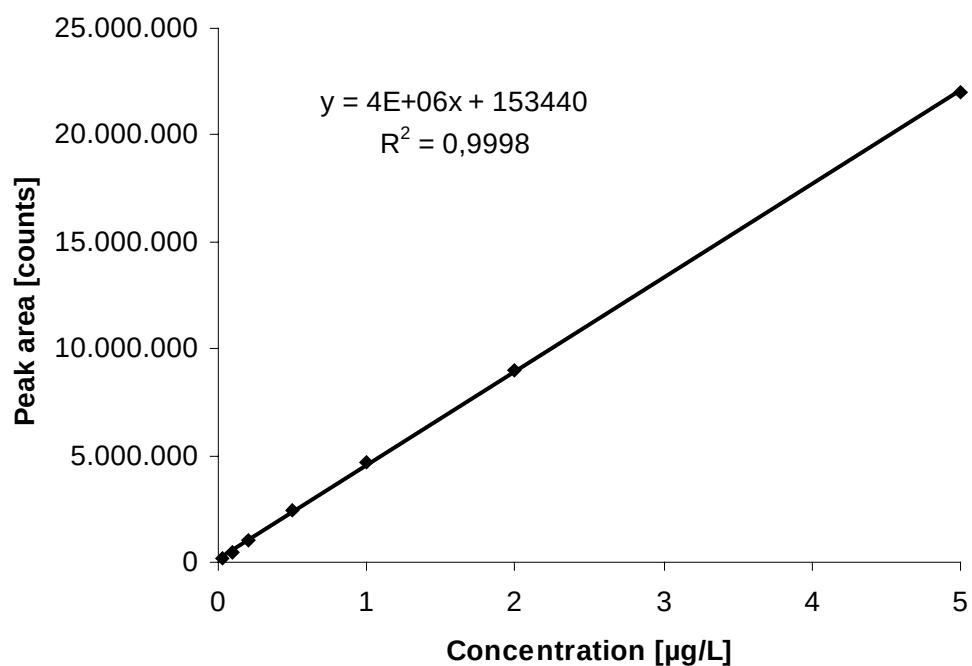
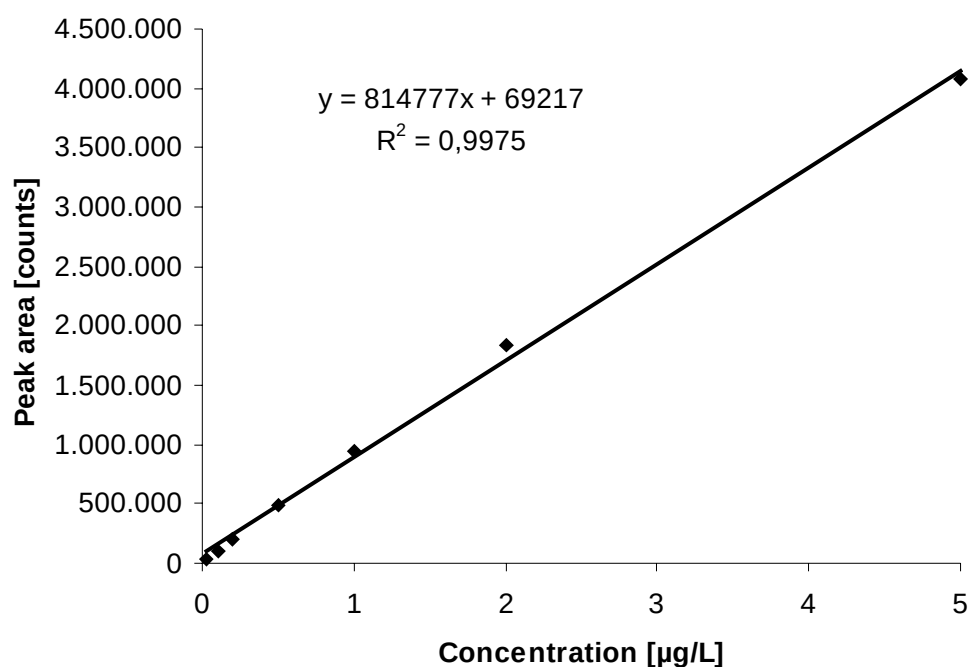
Mesosulfuron-methyl: 504→182**Metalaxyl: 280→220**

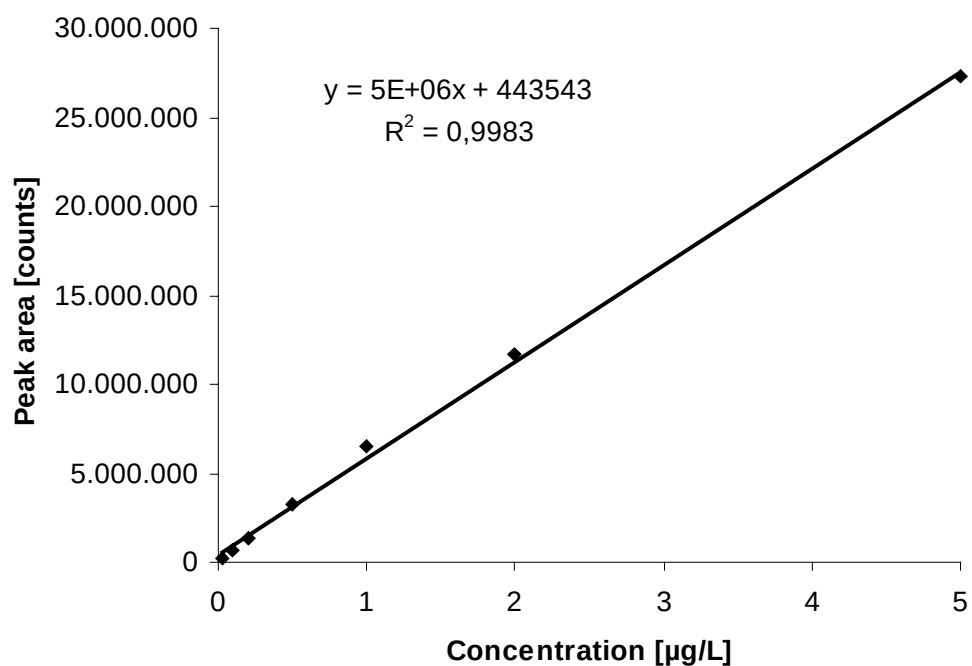
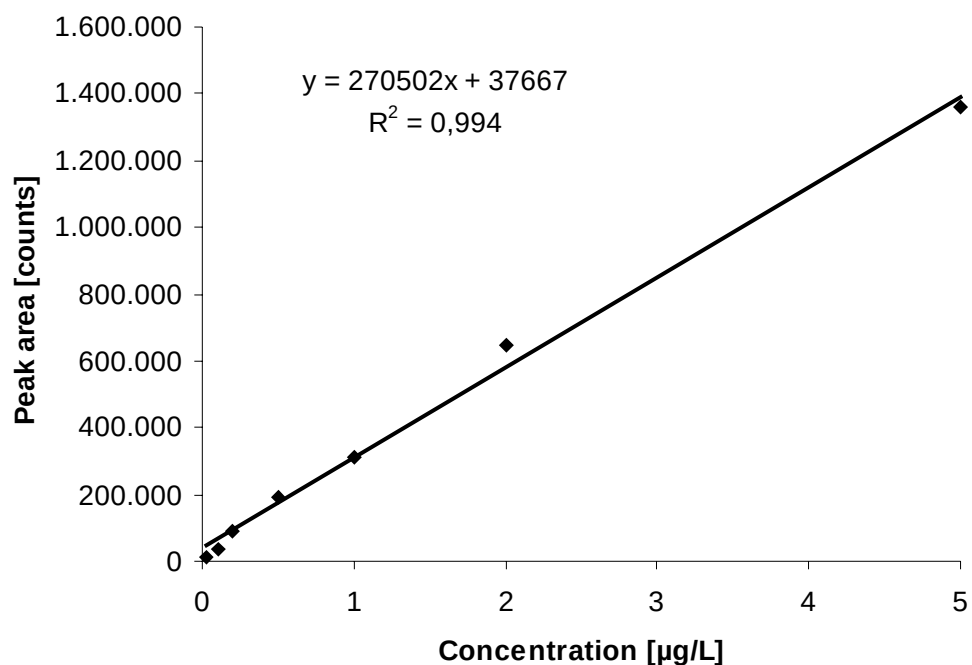
Metamitron: 203→175**Metazachlor: 278→134**

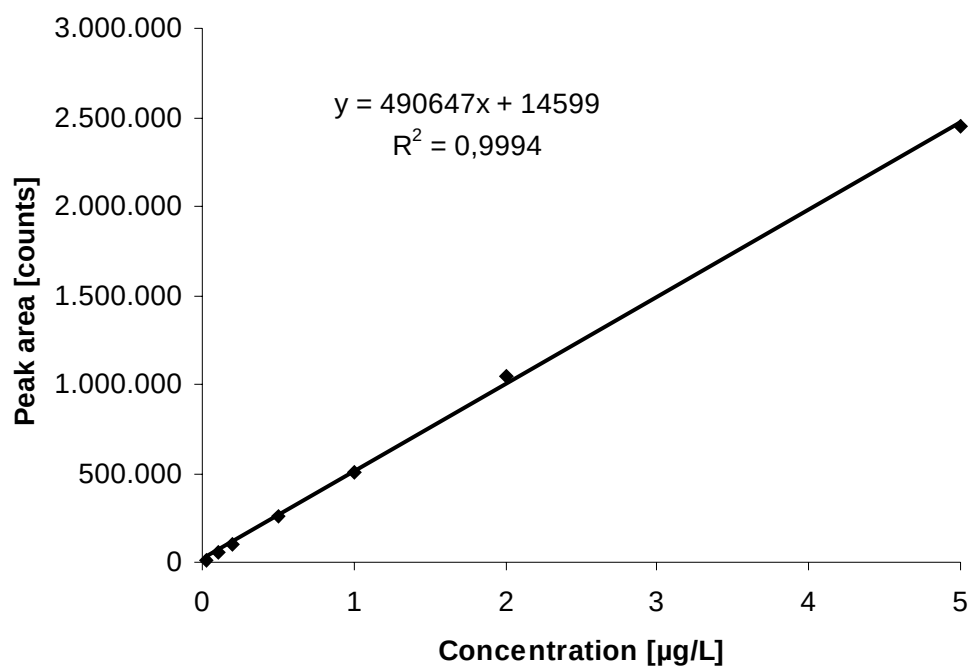
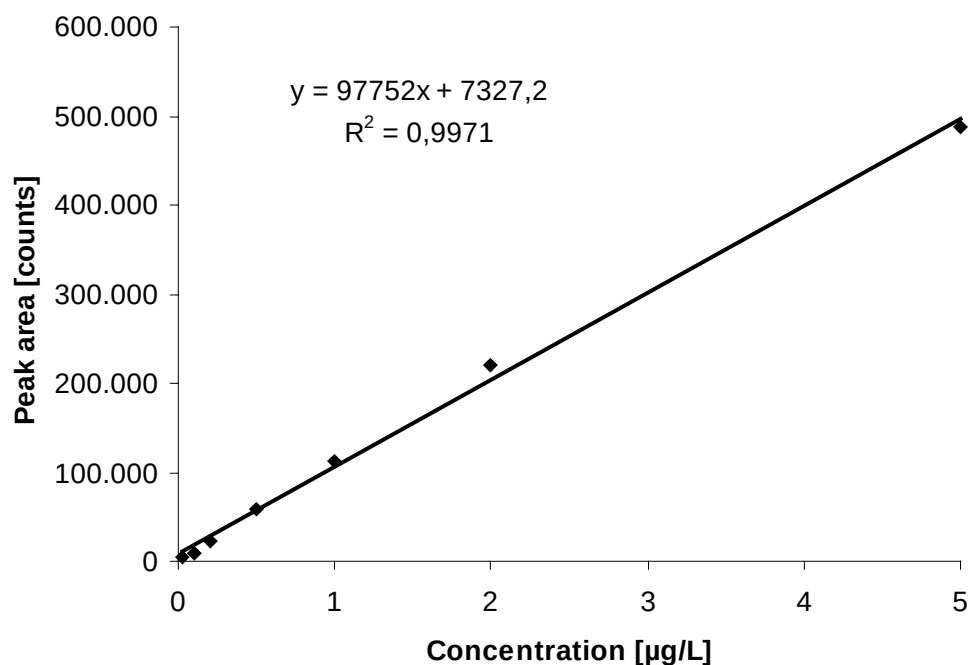
Metconazole: 320→70**Methabenzthiazuron: 222→165**

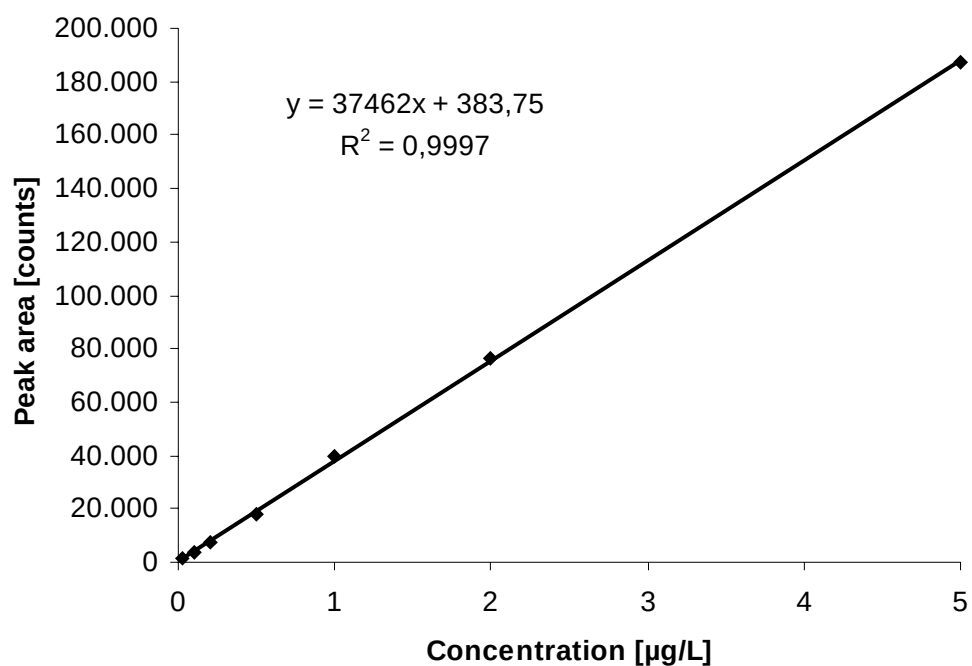
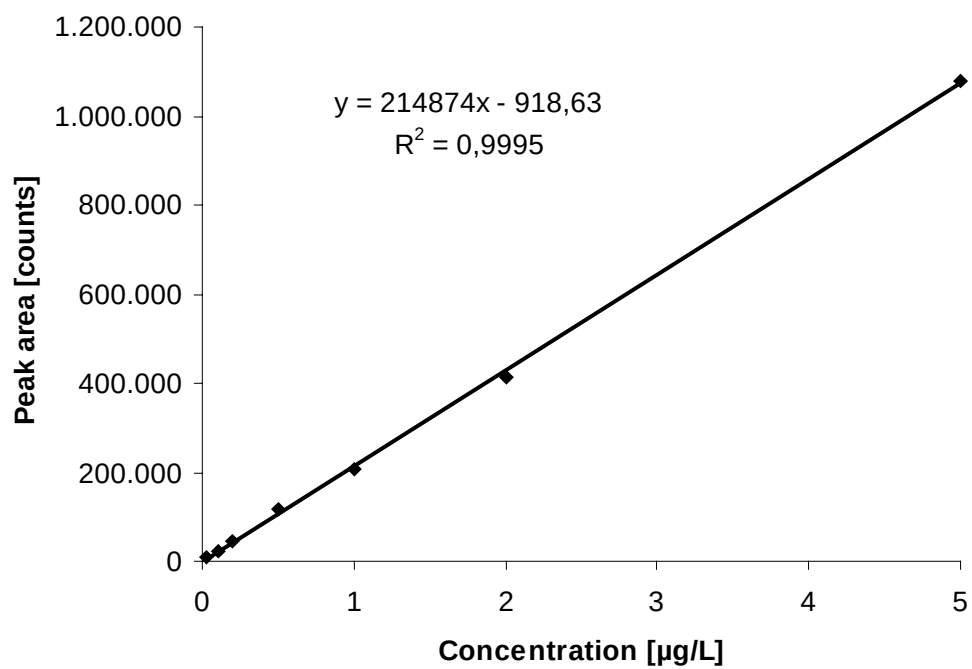
Methfuroxam: 230→137**Methidathion: 303→145**

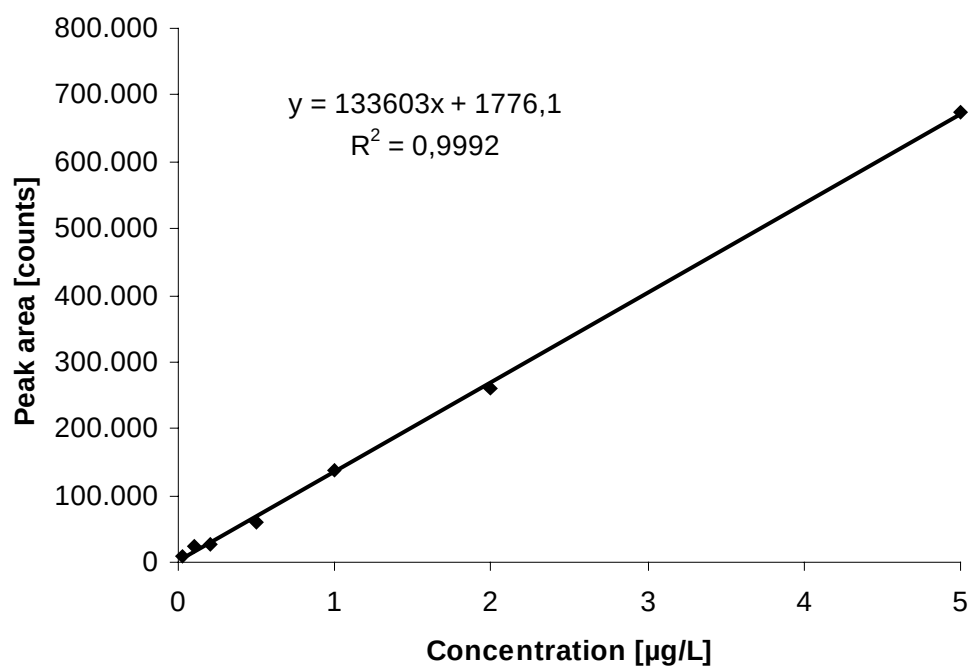
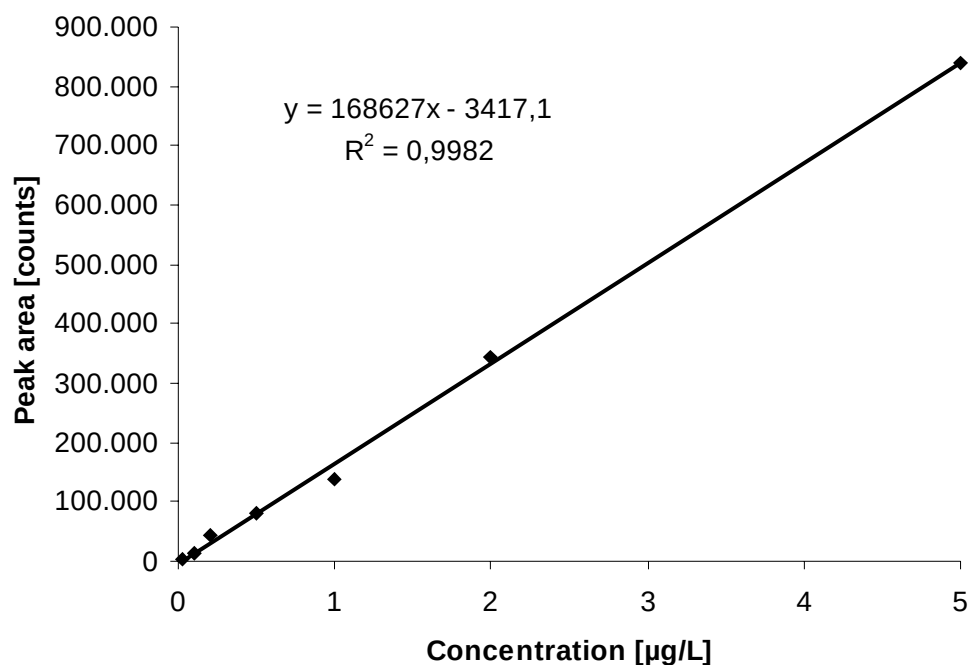
Methiocarb: 243→169**Methomyl: 163→88**

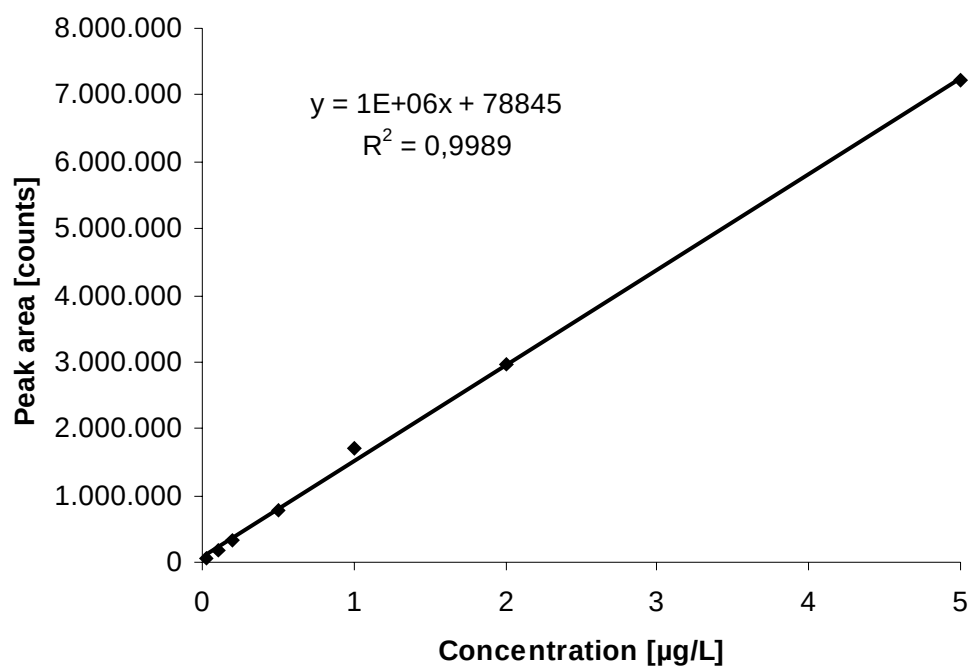
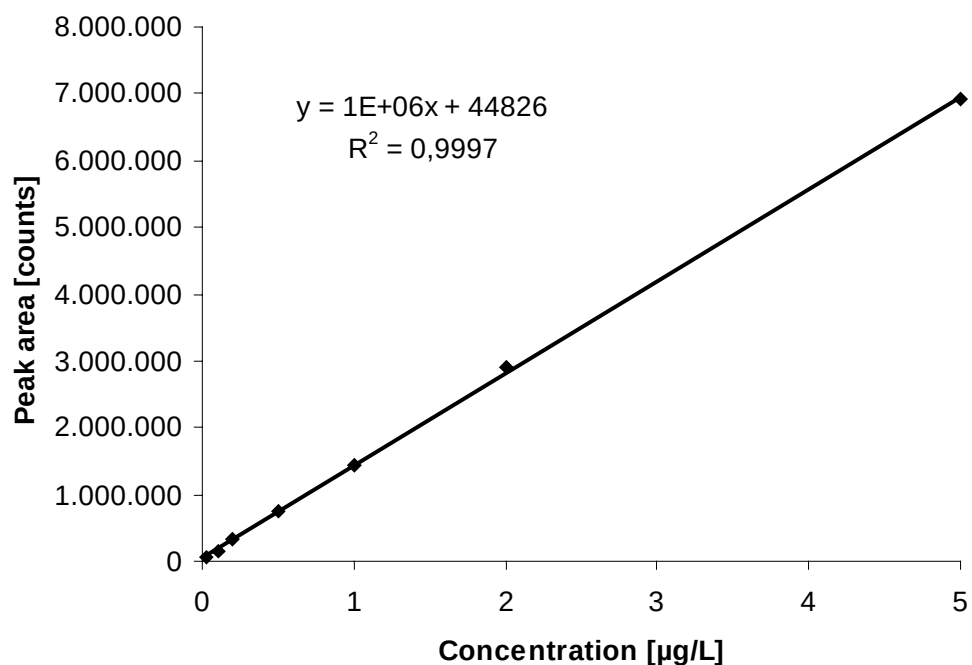
Methoxyfenozide: 369→149**Metobromuron: 259→170**

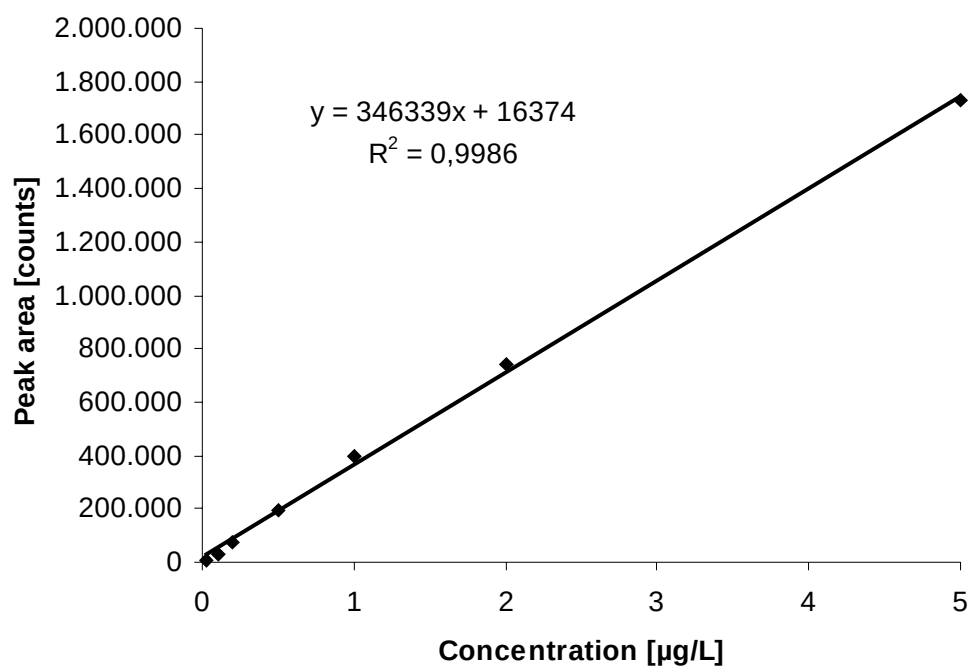
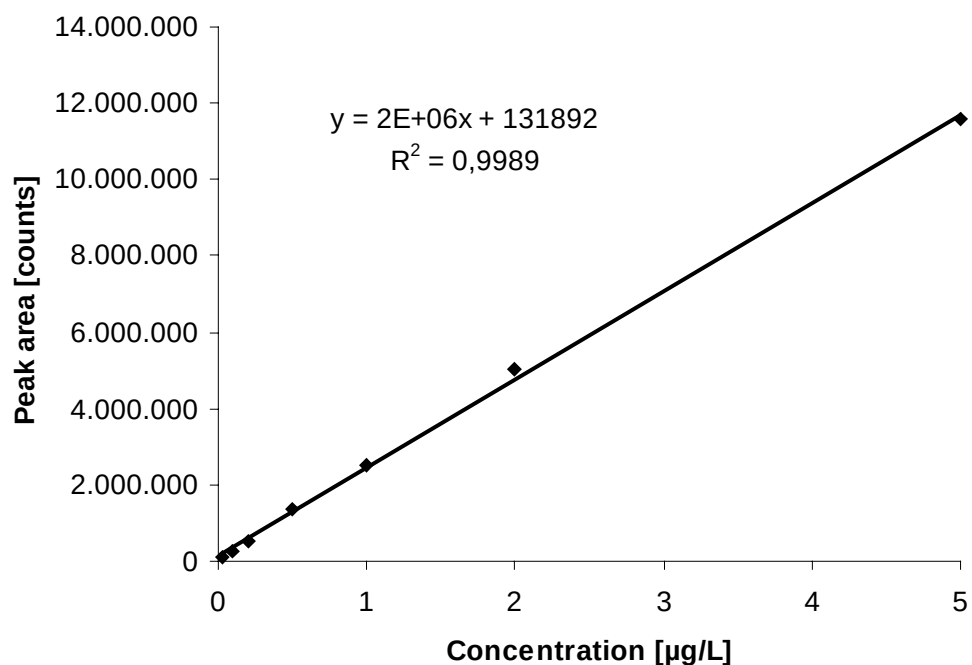
Metolachlor: 284→252**Metosulam: 418→175**

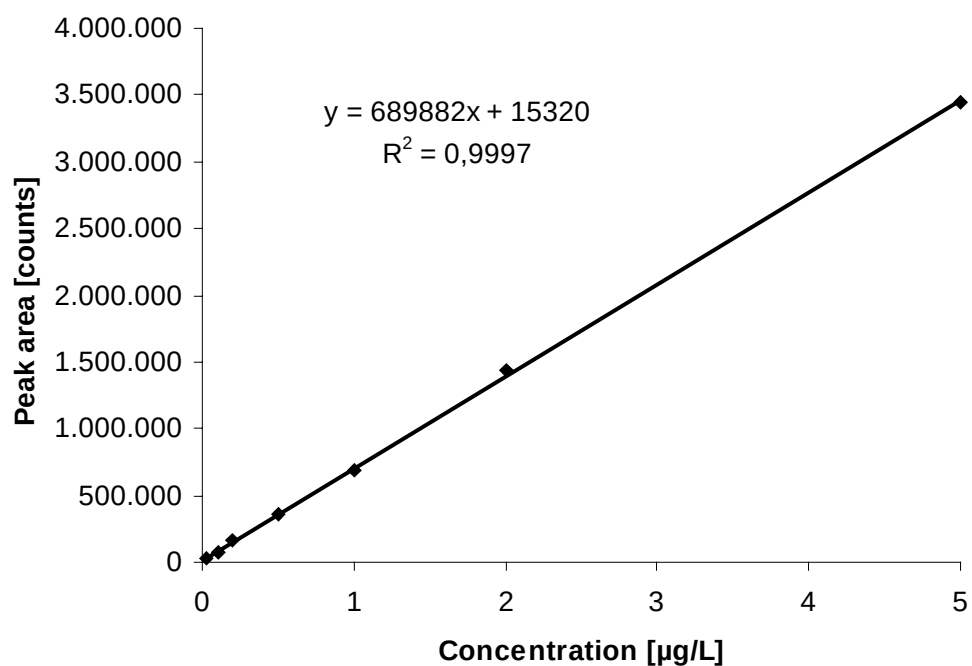
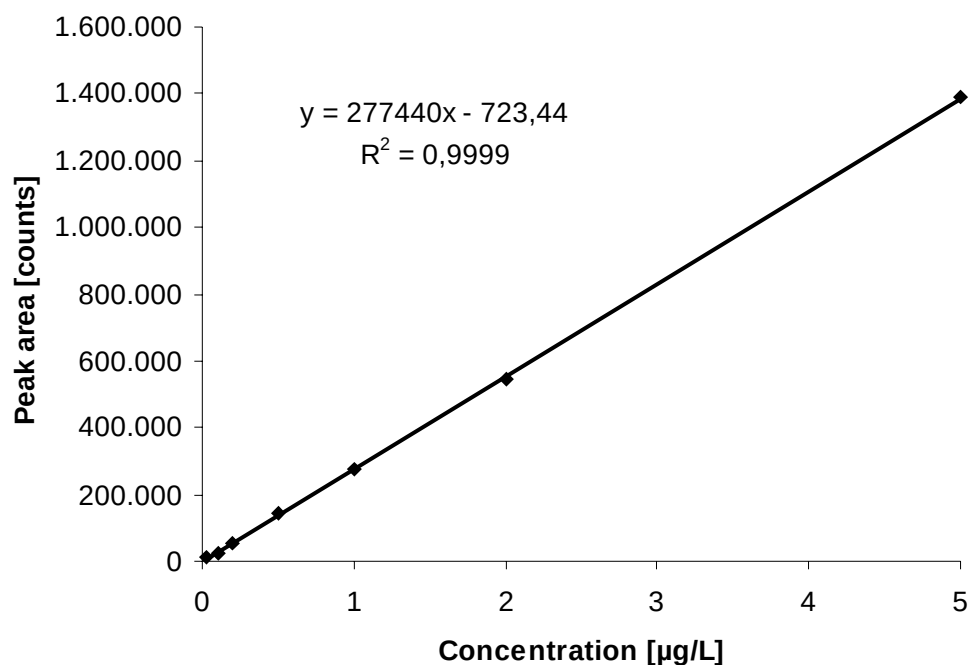
Metoxuron: 229→72**Metribuzin: 215→187**

Metsulfuron-methyl: 382→167**Mevinphos: 225→127**

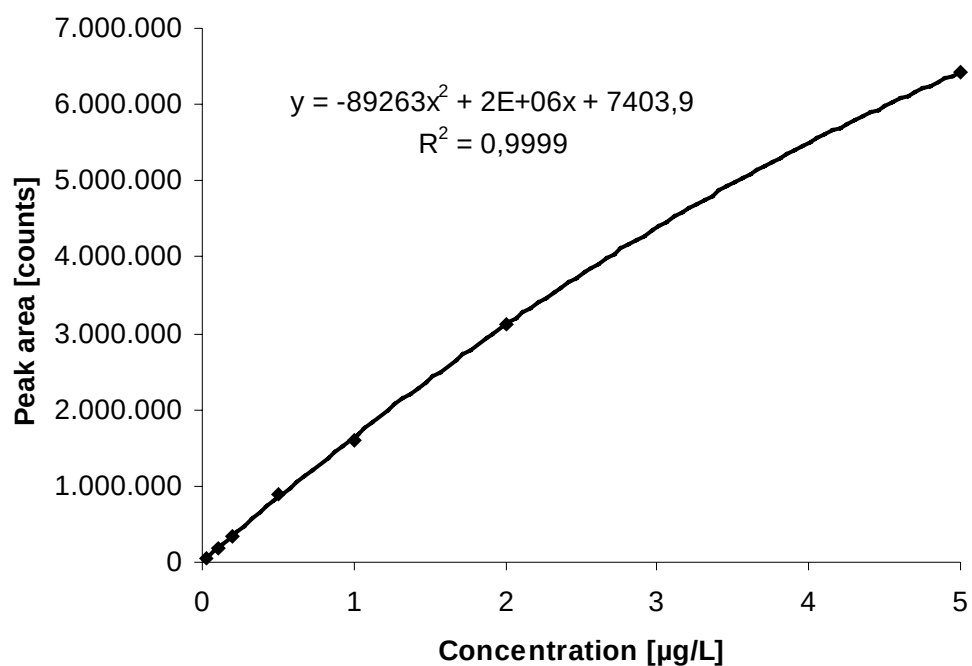
Molinate: 188→126**Monocrotophos: 224→127**

Monolinuron: 215→126**Monuron: 199→72**

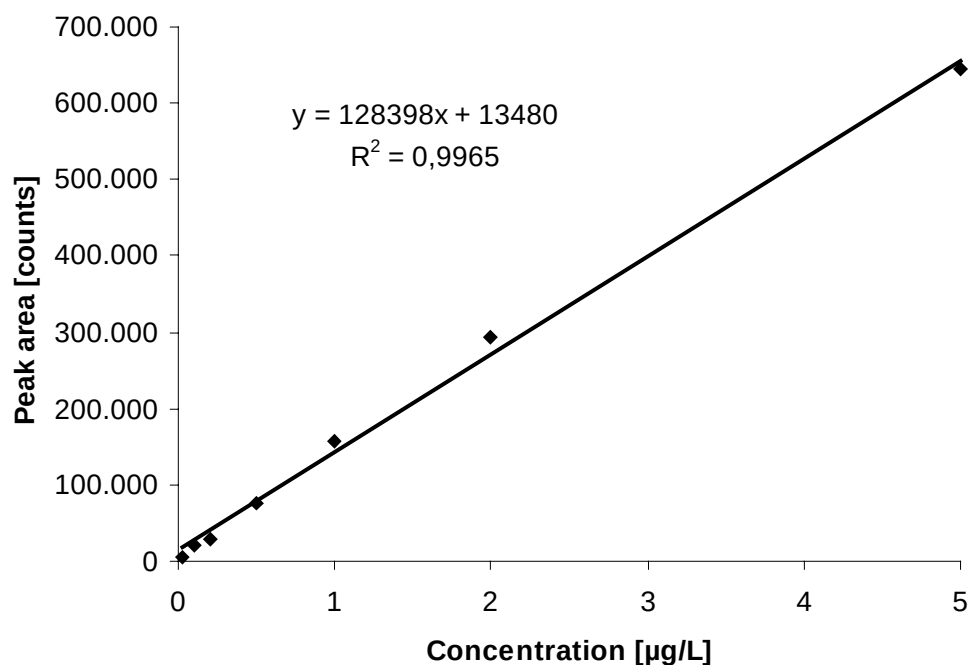
Myclobutanil: 289→70**Napropamide: 272→129**

Neburon: 275→88**Nitenpyram: 271→126**

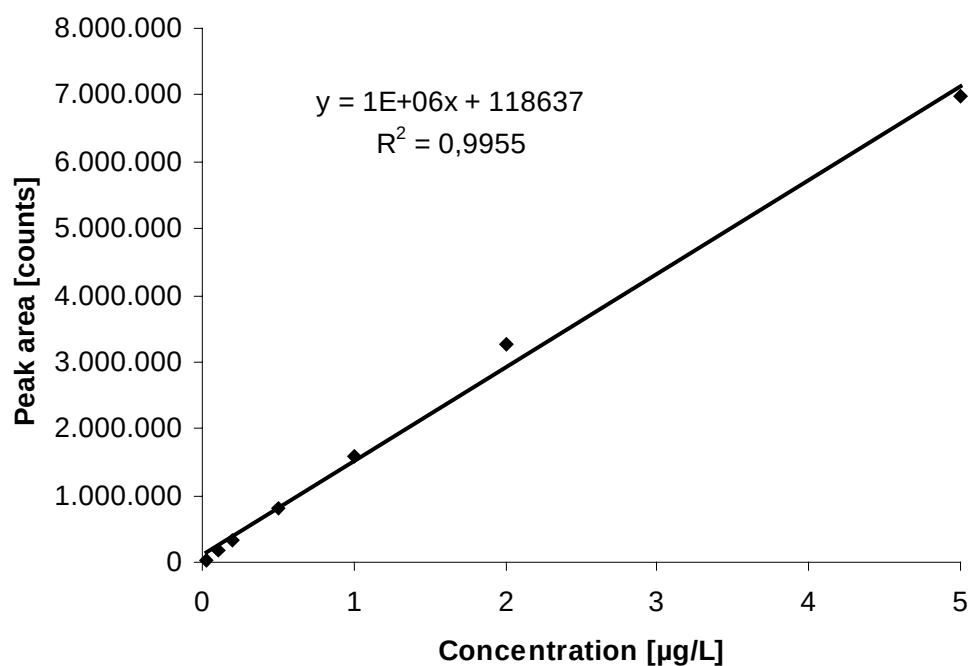
Norfluazuron-desmethyl: 290→270



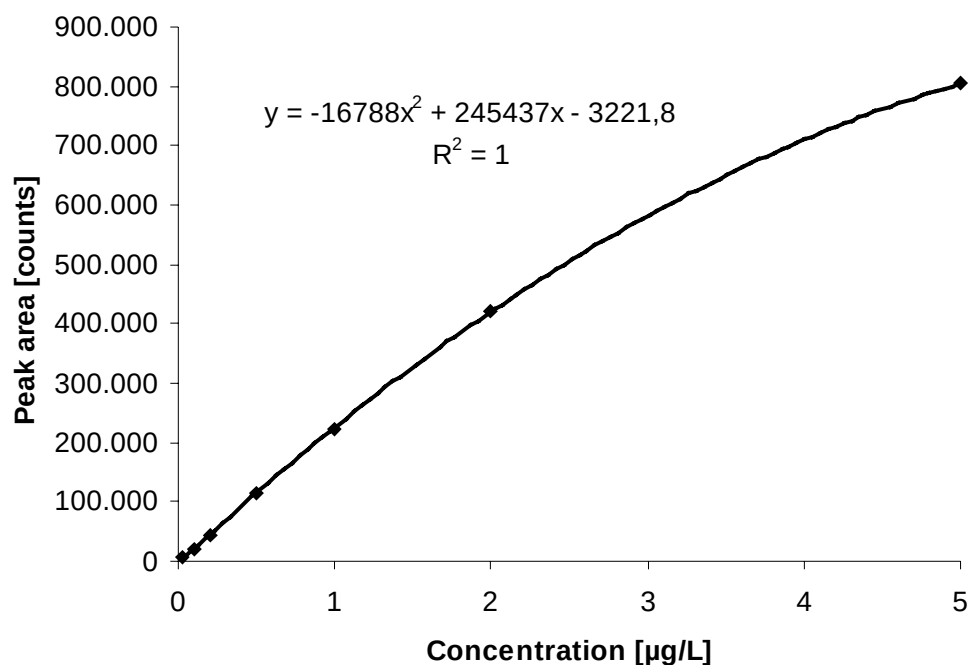
Nuairimol: 315→252

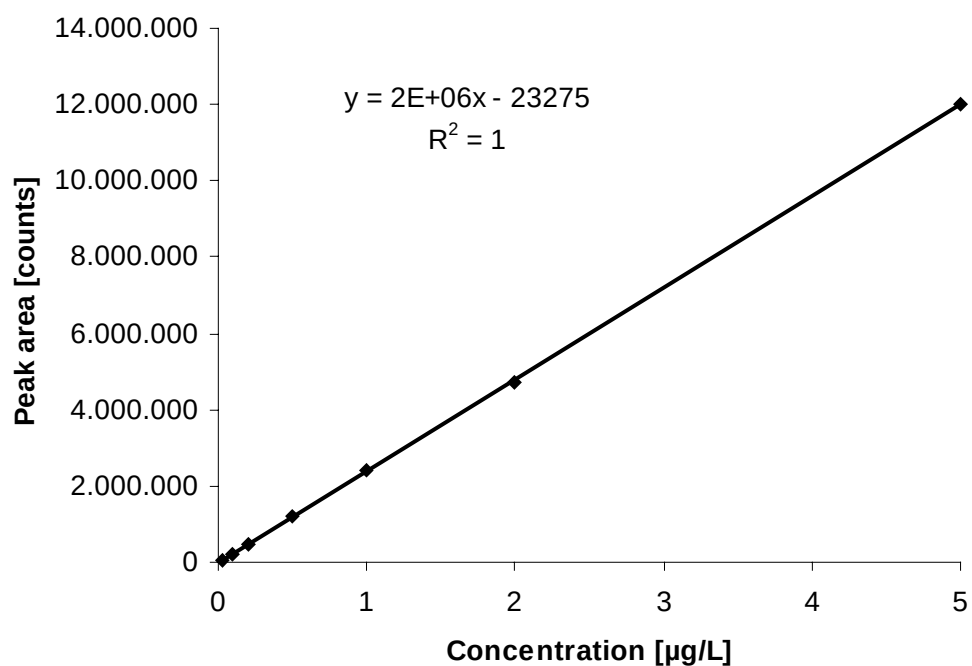
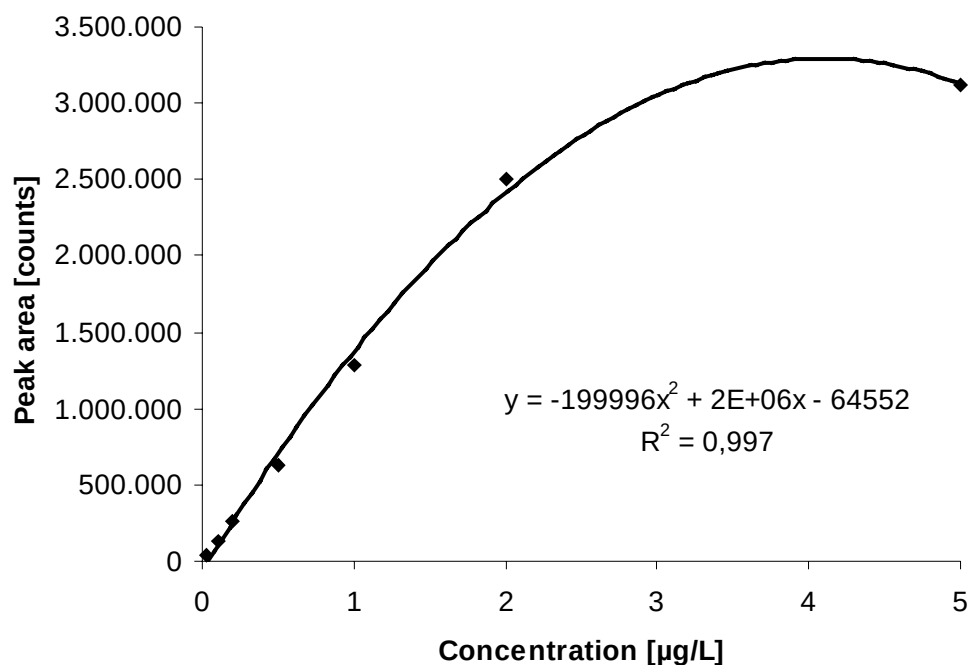


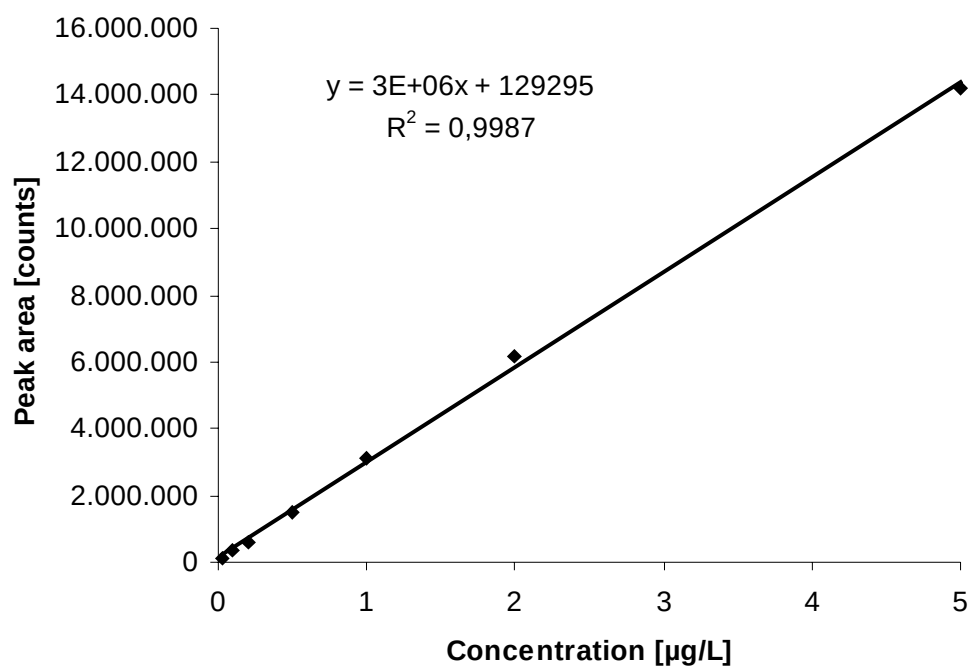
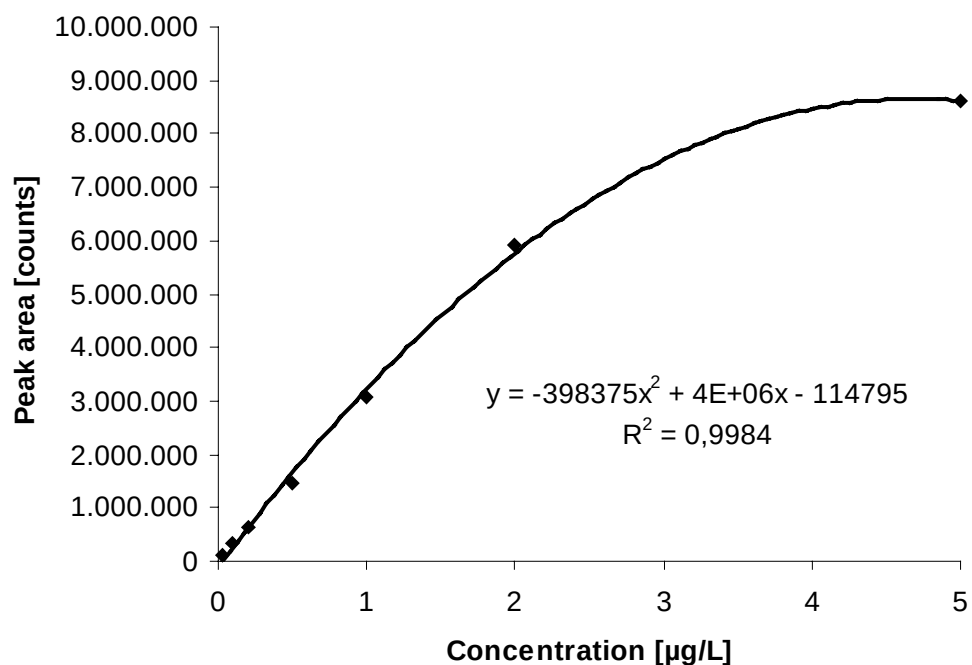
Ofurace: 282→160

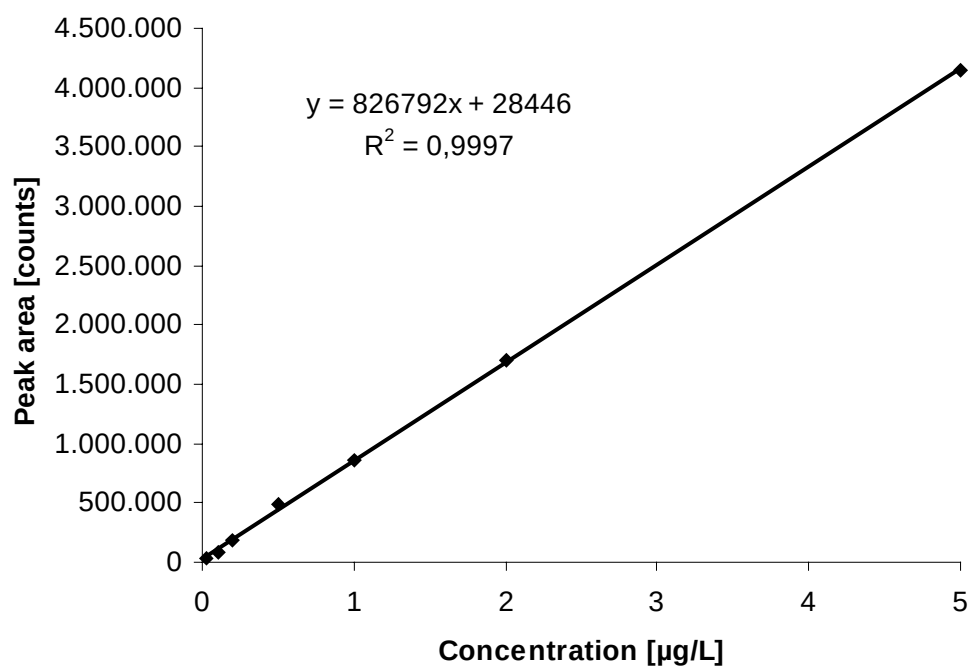
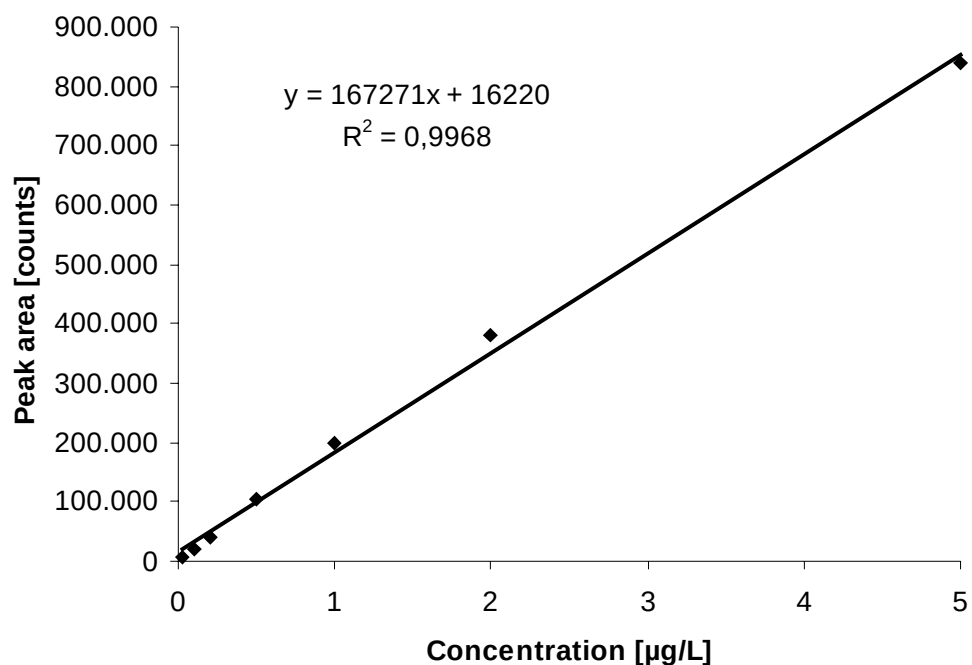


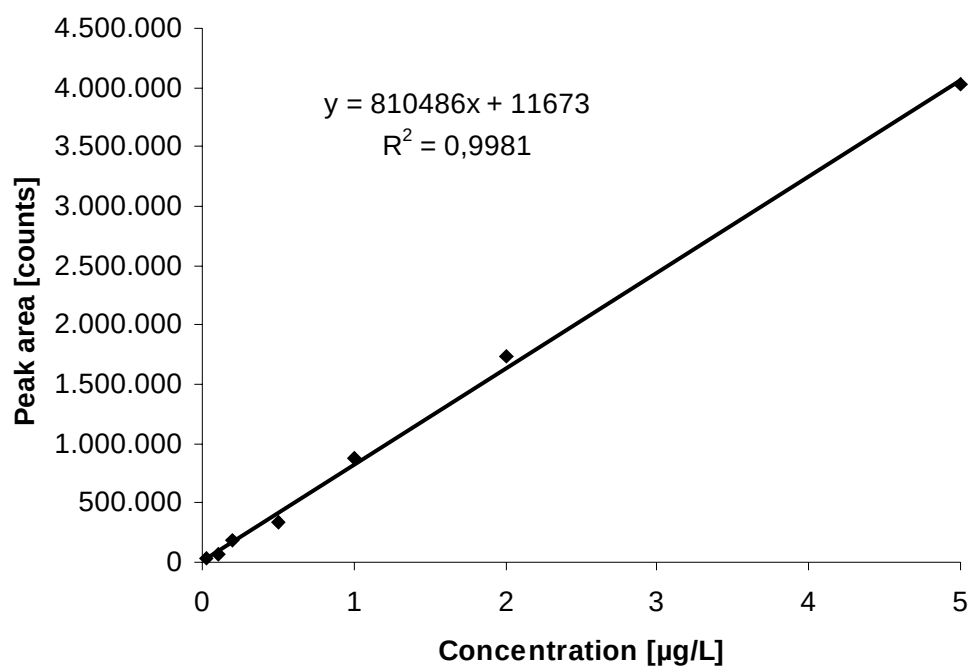
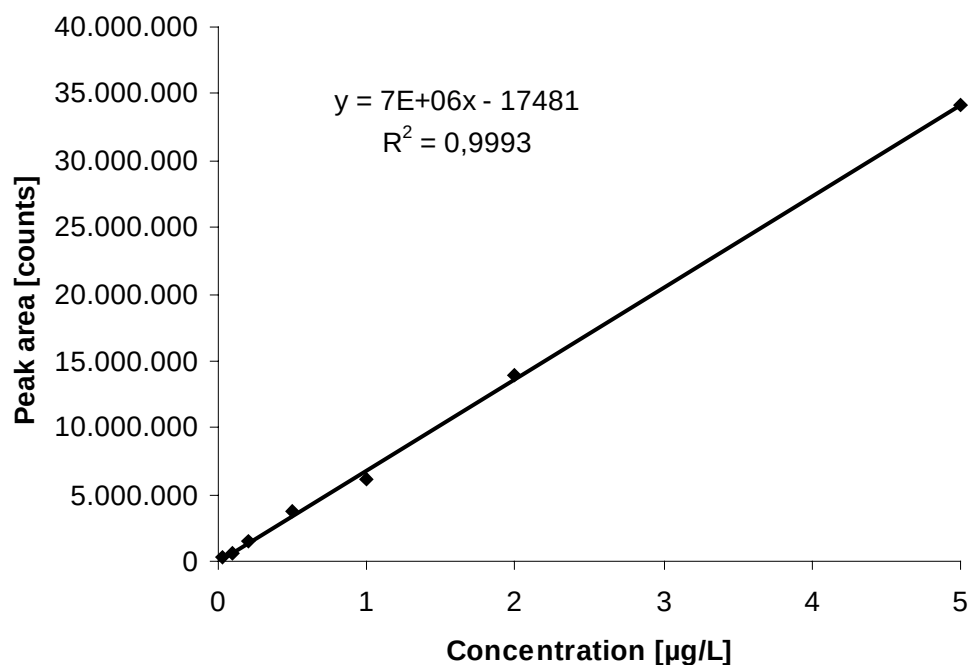
Omethoat: 214→125

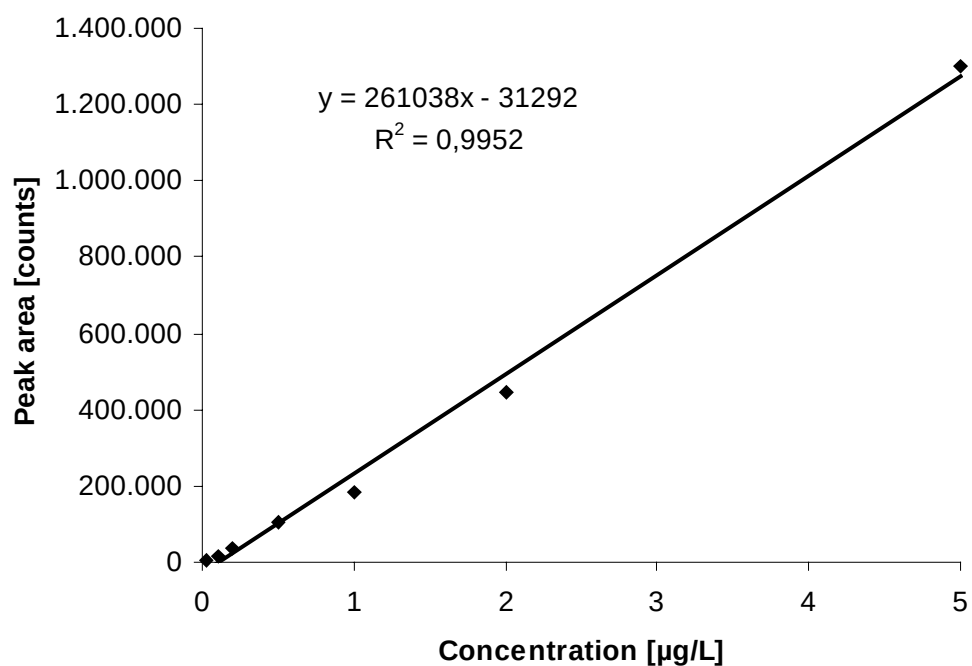
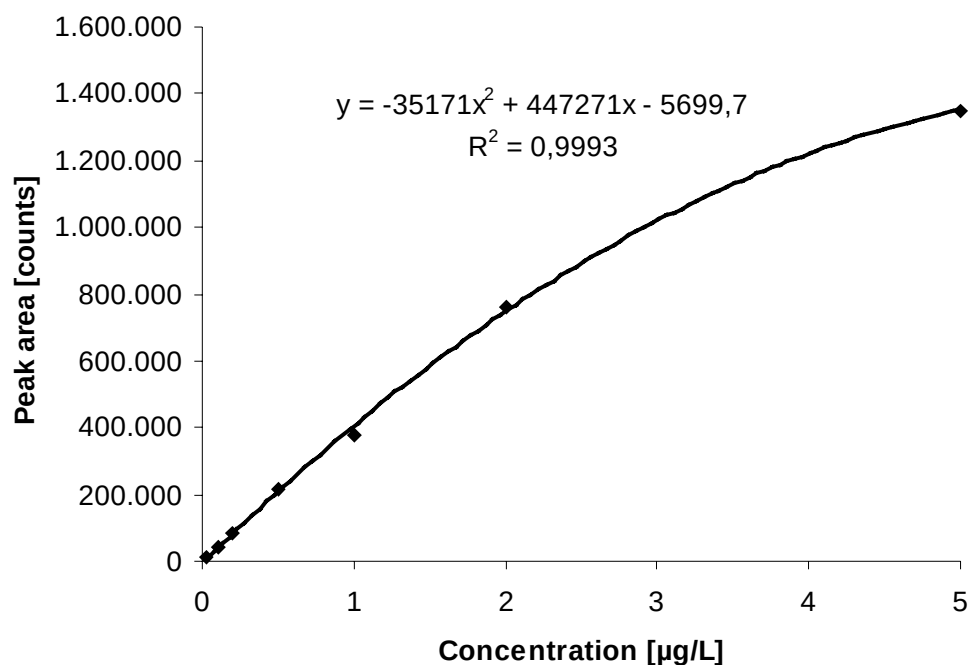


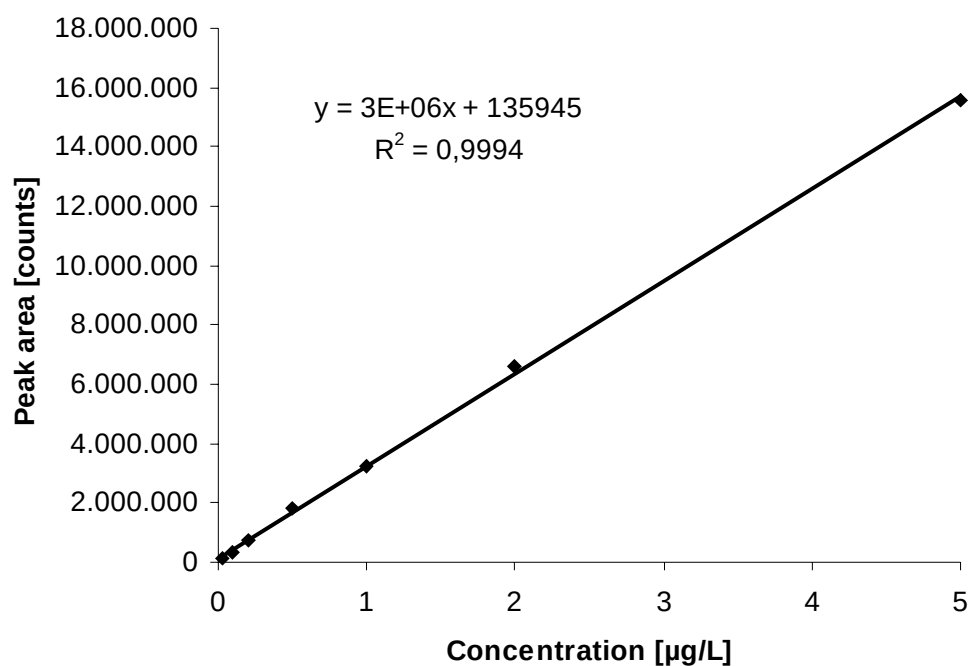
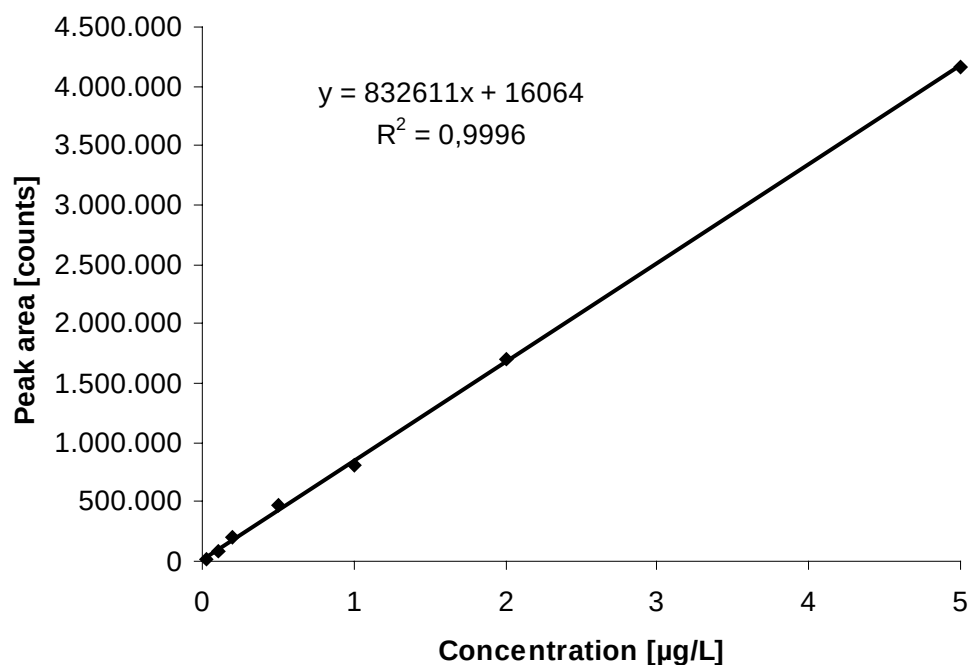
Oxadixyl: 279→219**Oxamyl: 237→72**

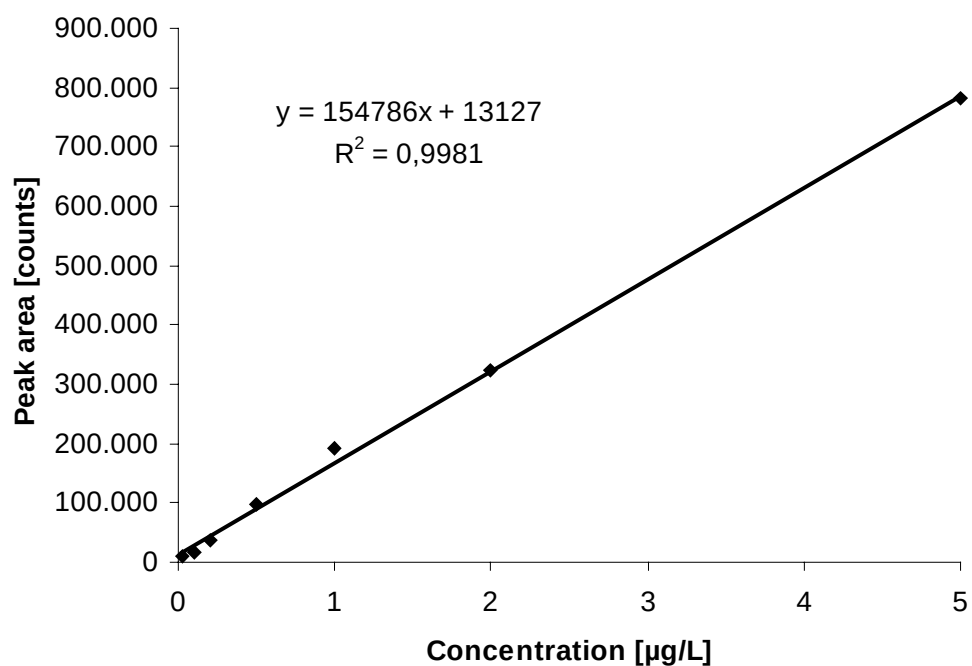
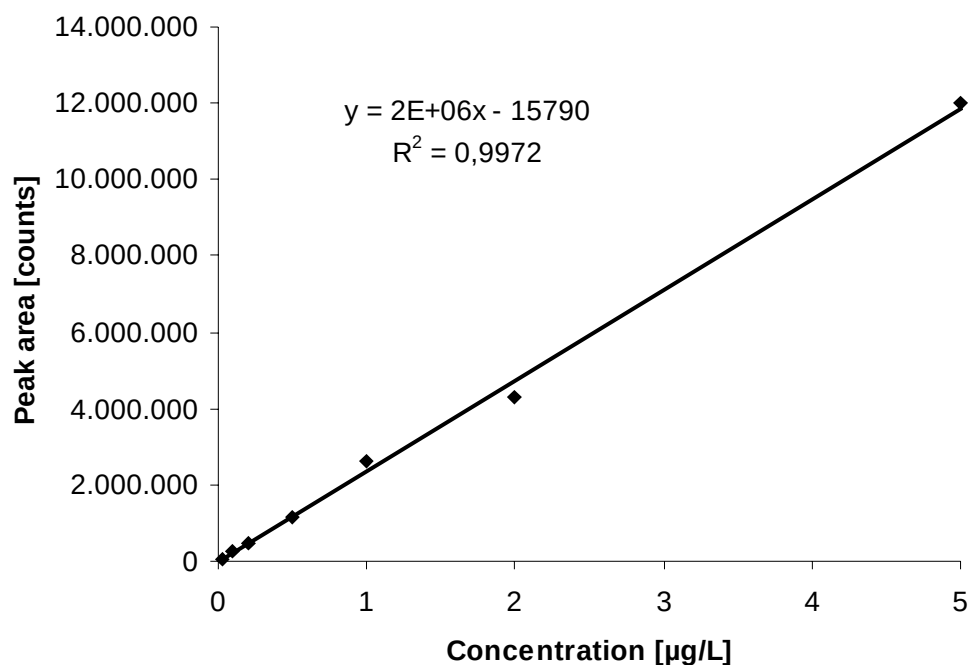
Oxasulfuron: 407→150**Oxycarboxin: 268→175**

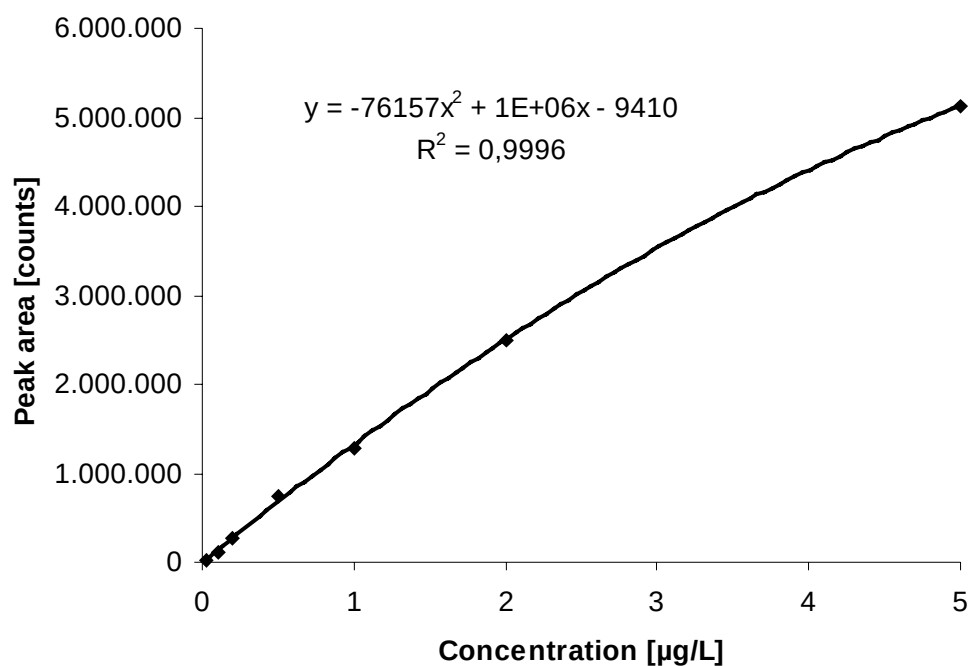
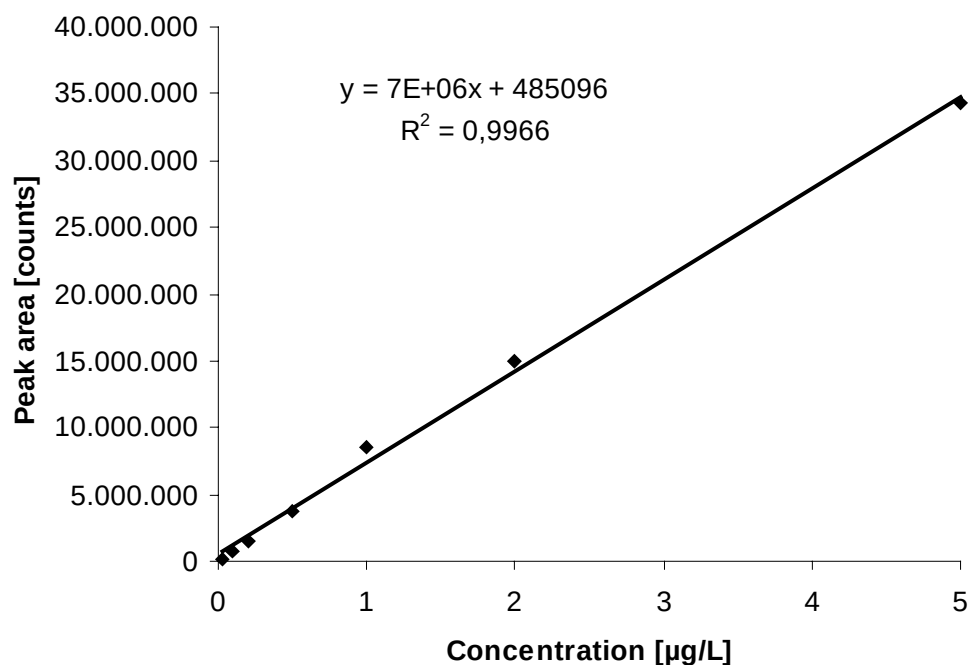
Paclobutrazol: 294→70**Paraoxon-methyl: 248→202**

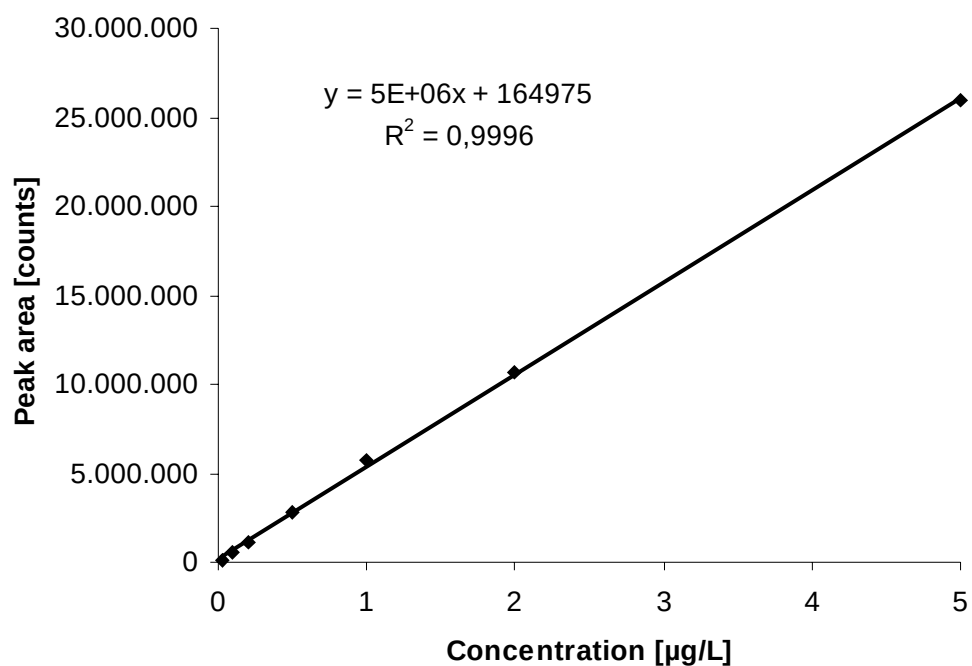
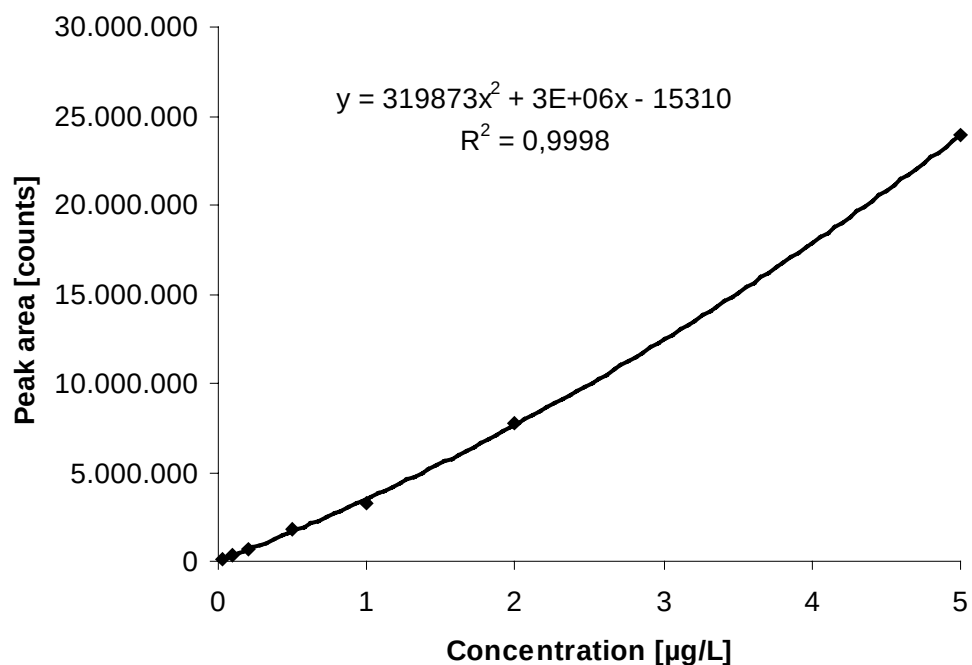
Penconazole: 284→159**Pencycuron: 329→125**

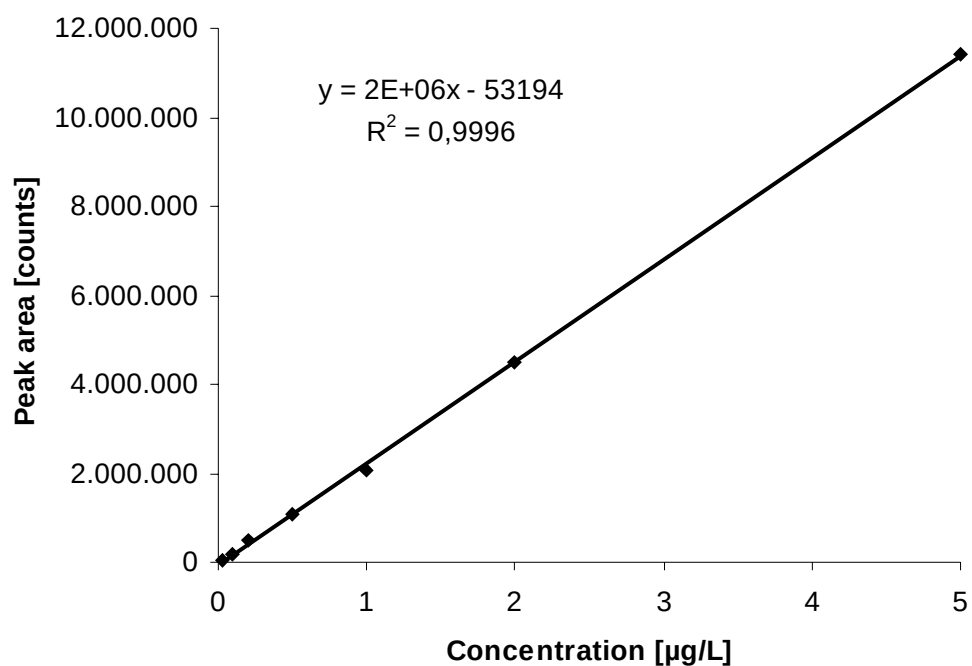
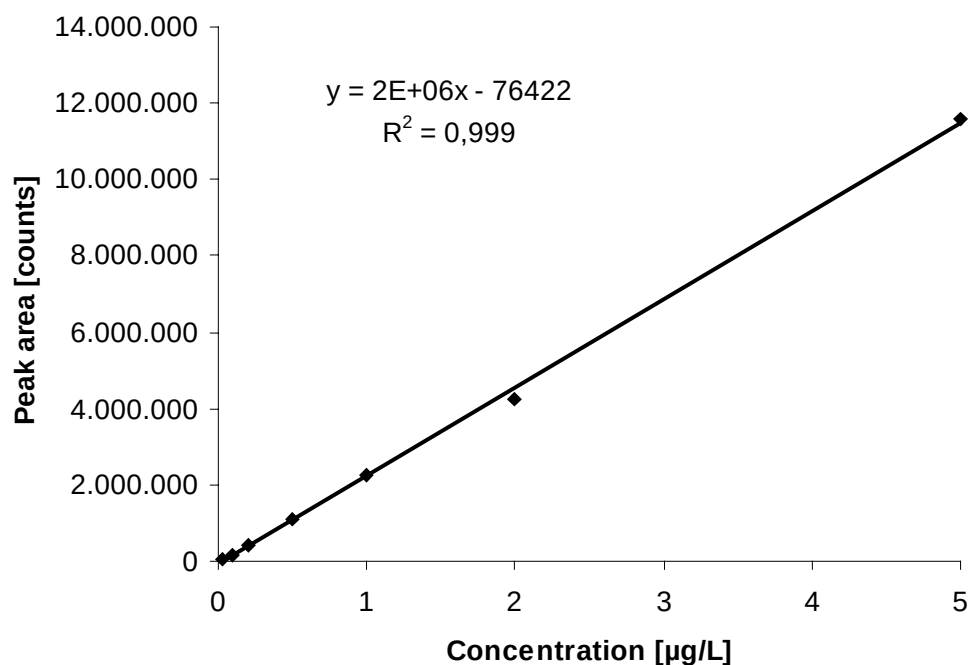
Pendimethalin: 282→212**Phenthoate: 321→163**

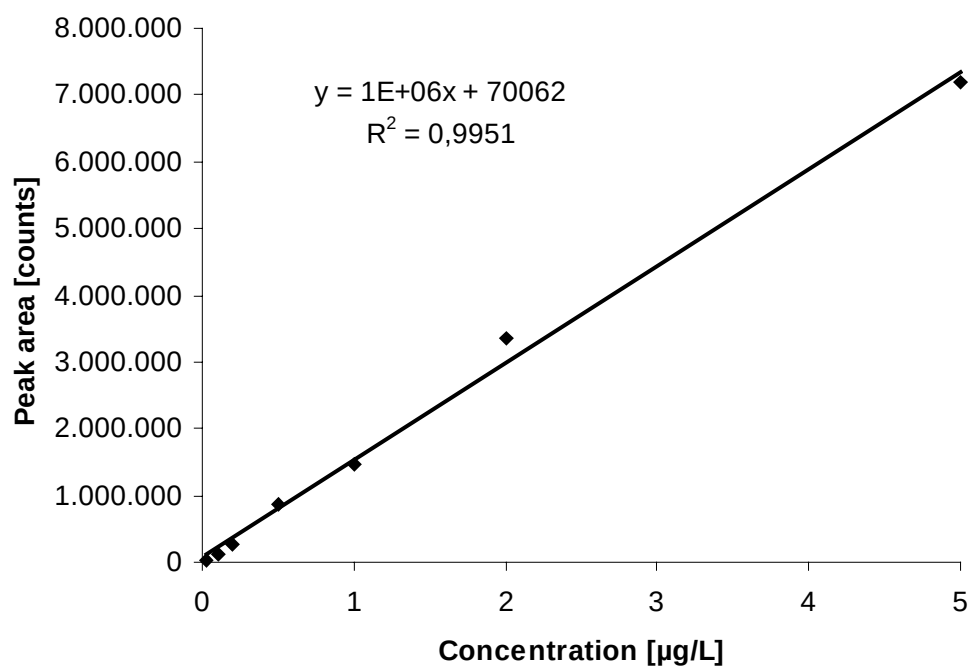
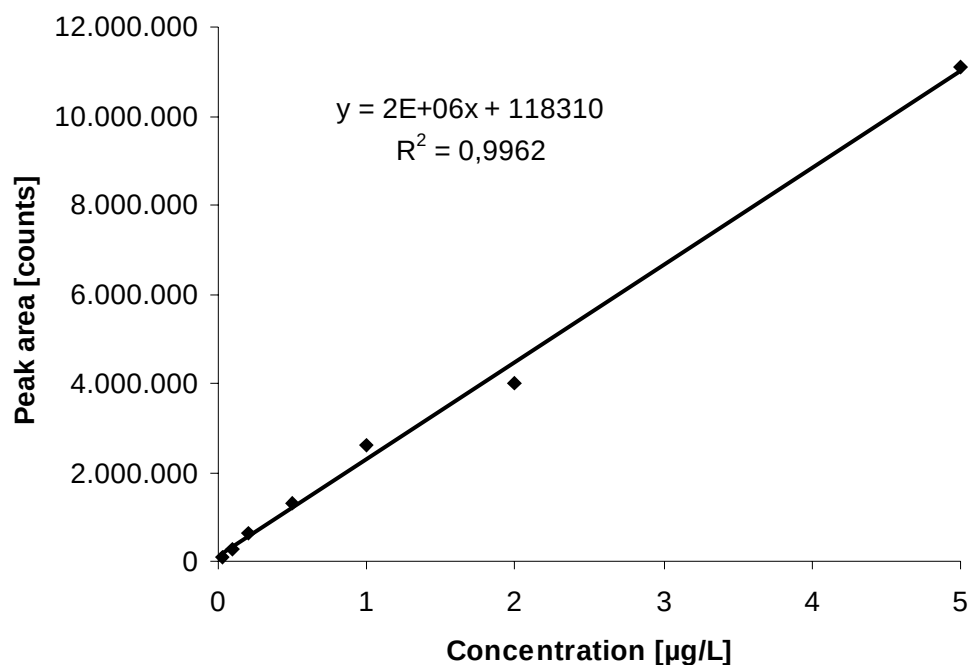
Phorat-sulfoxid: 277→199**Phosalone: 368→182**

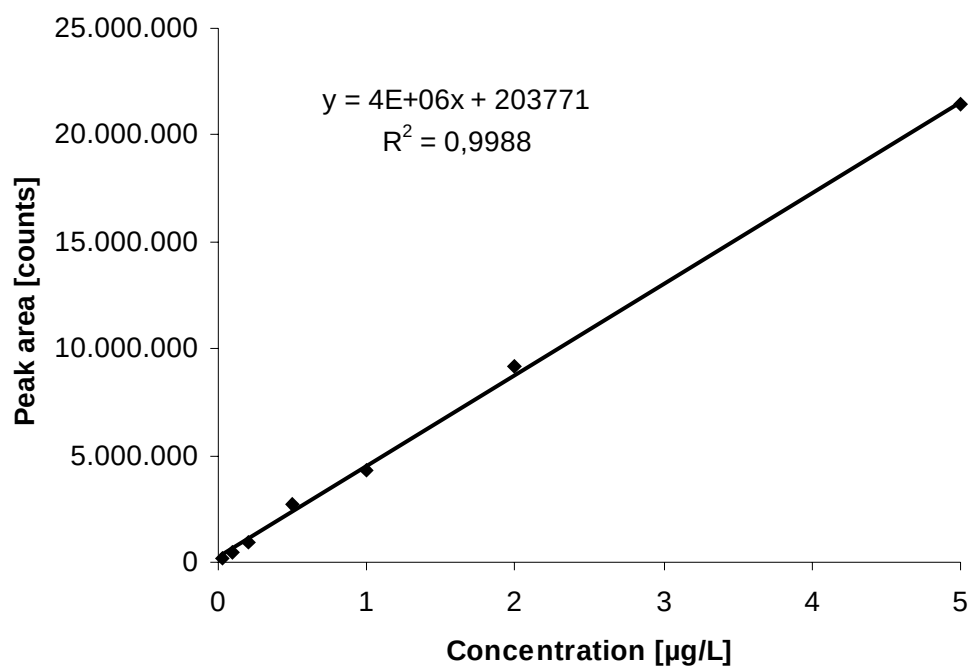
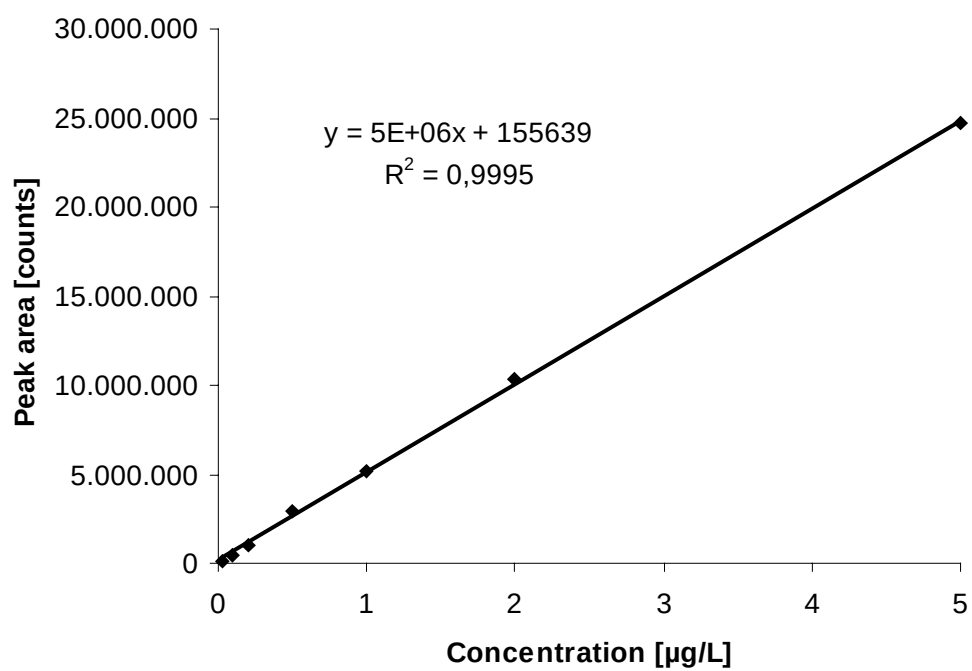
Phosmet: 318→133**Phosphamidon: 300→127**

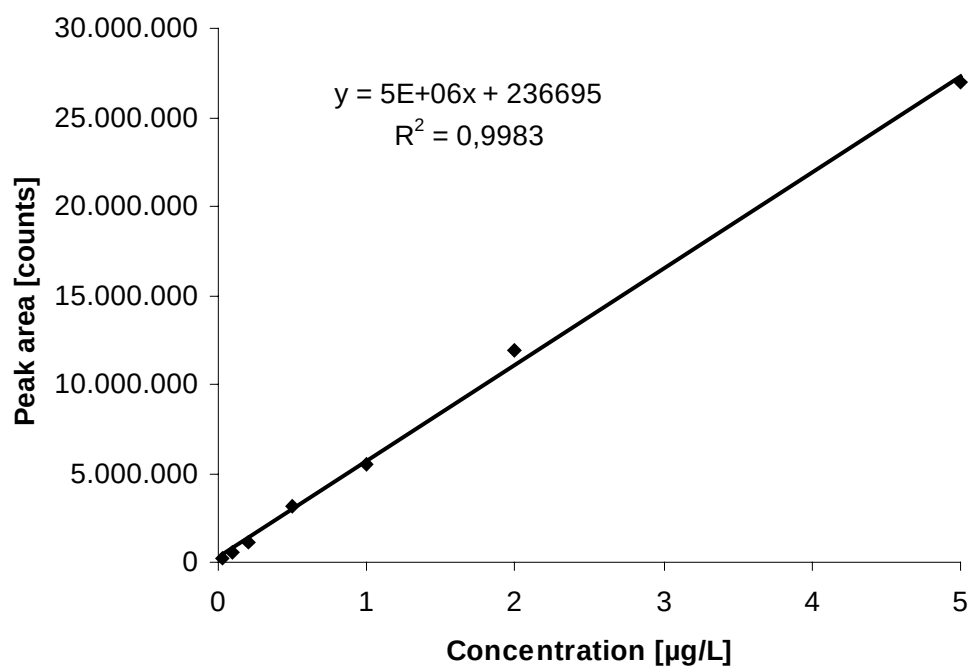
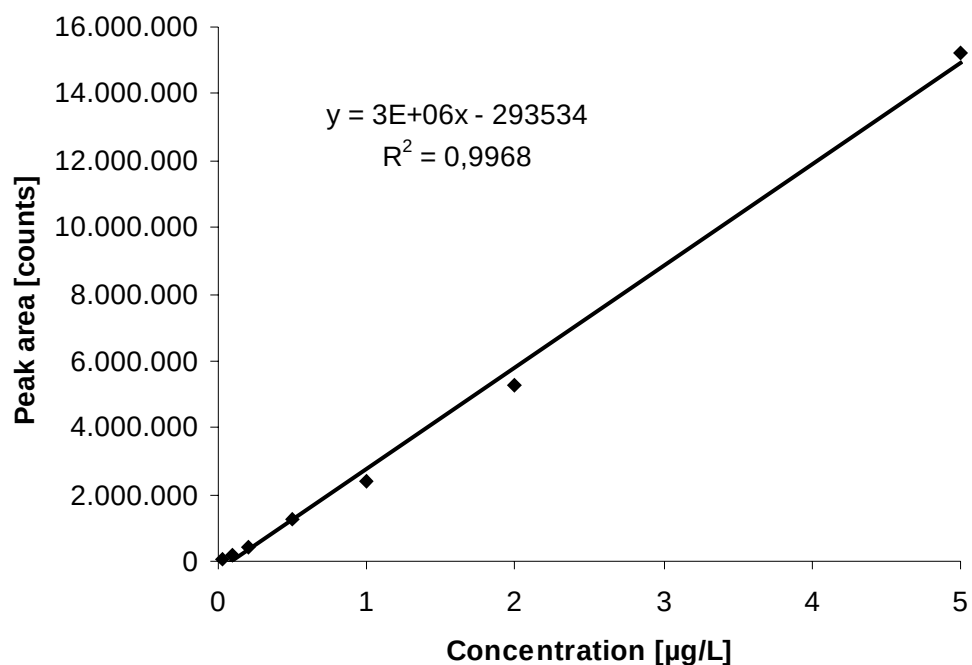
Phoxim: 299→129**Picoxystrobin: 368→145**

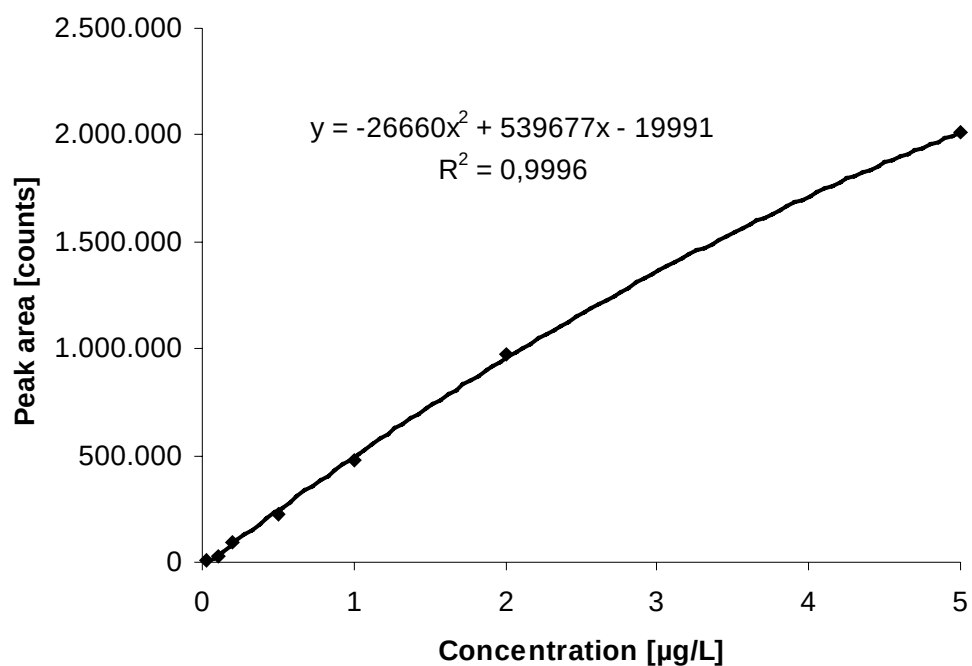
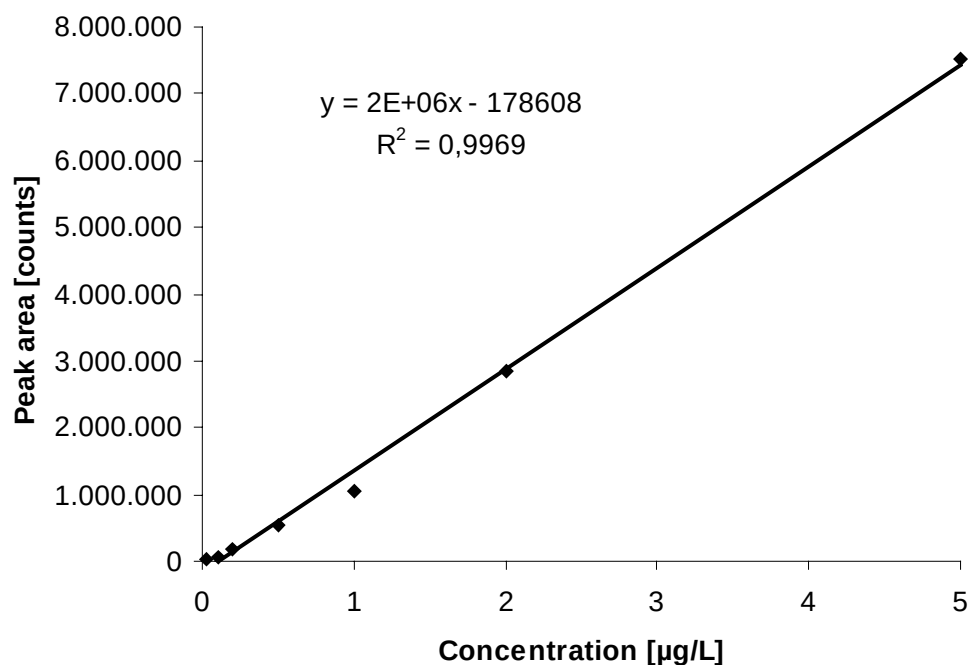
Pirimicarb: 239→72**Pirimiphos-ethyl: 334→198**

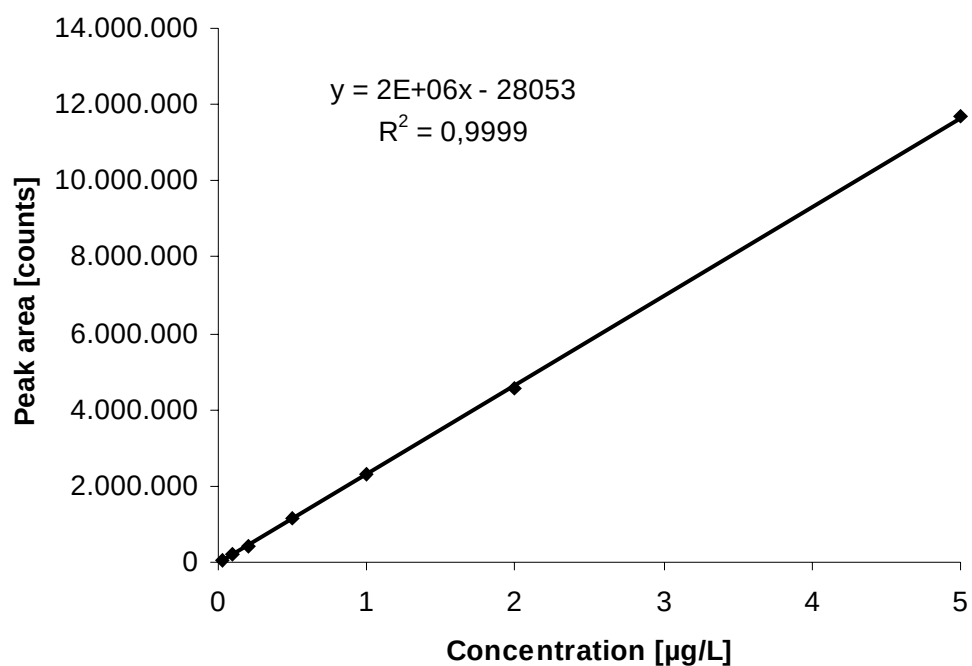
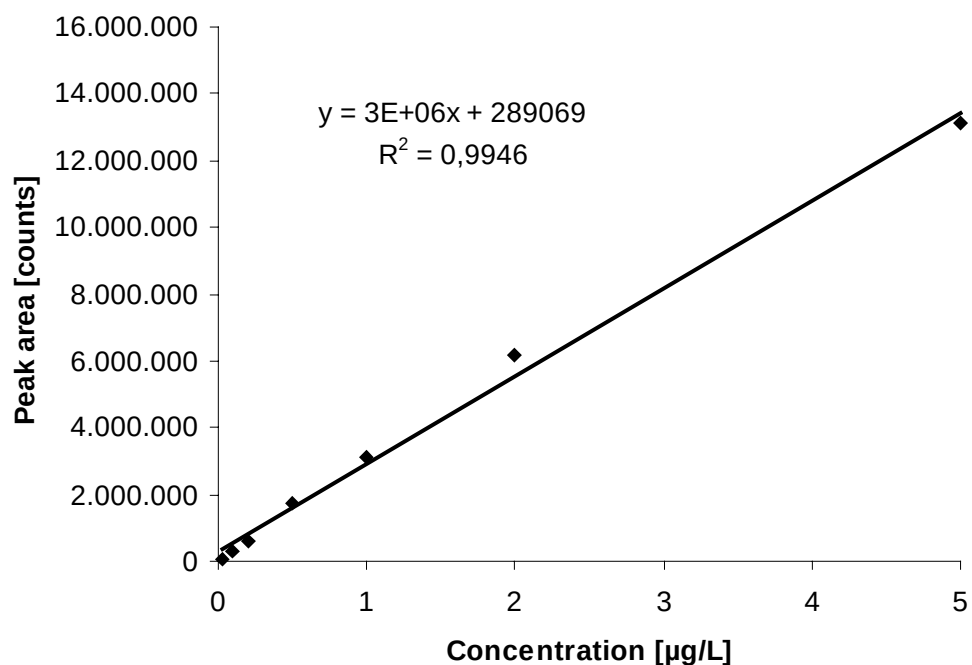
Pirimiphos-methyl: 306→164**Prochloraz: 376→308**

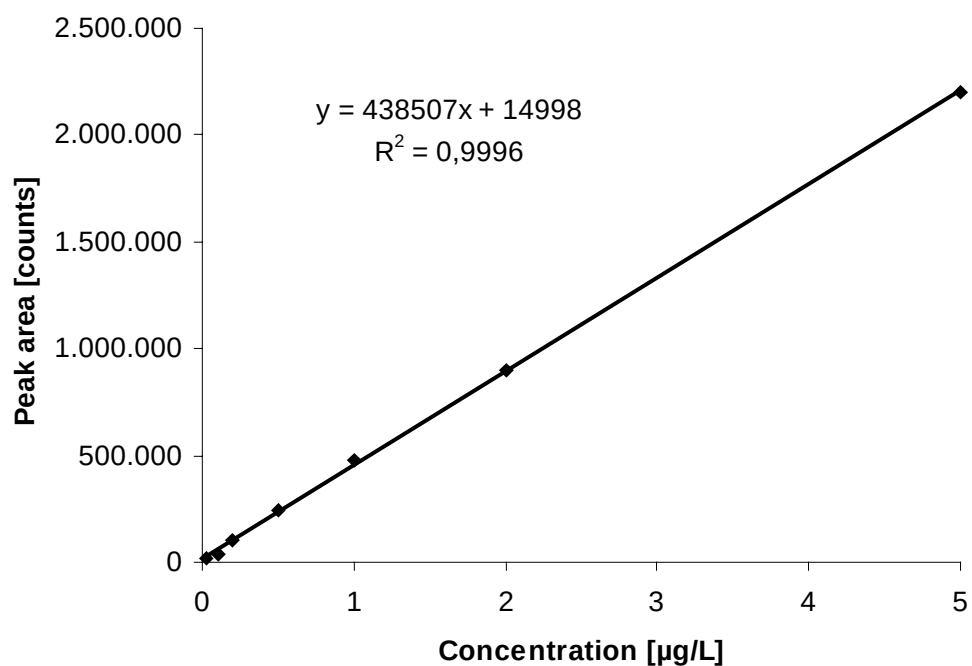
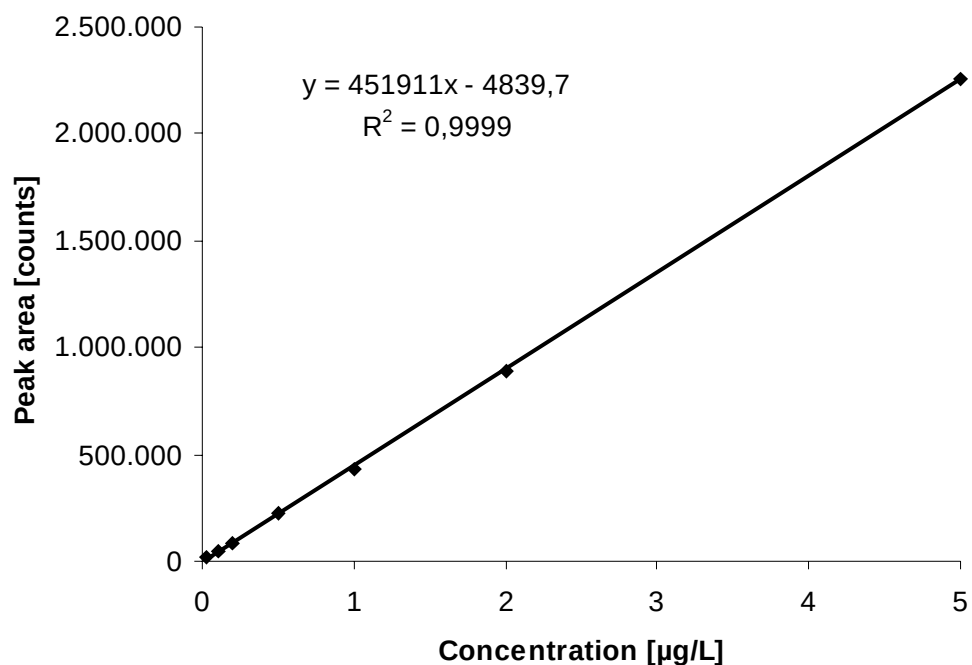
Profenofos: 373→303**Promecarb: 208→109**

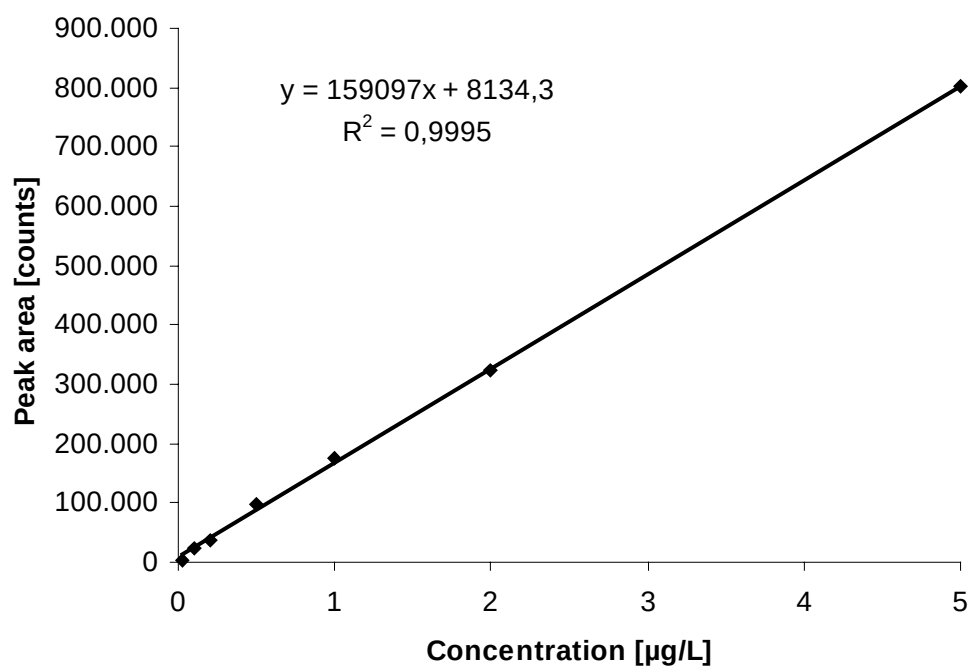
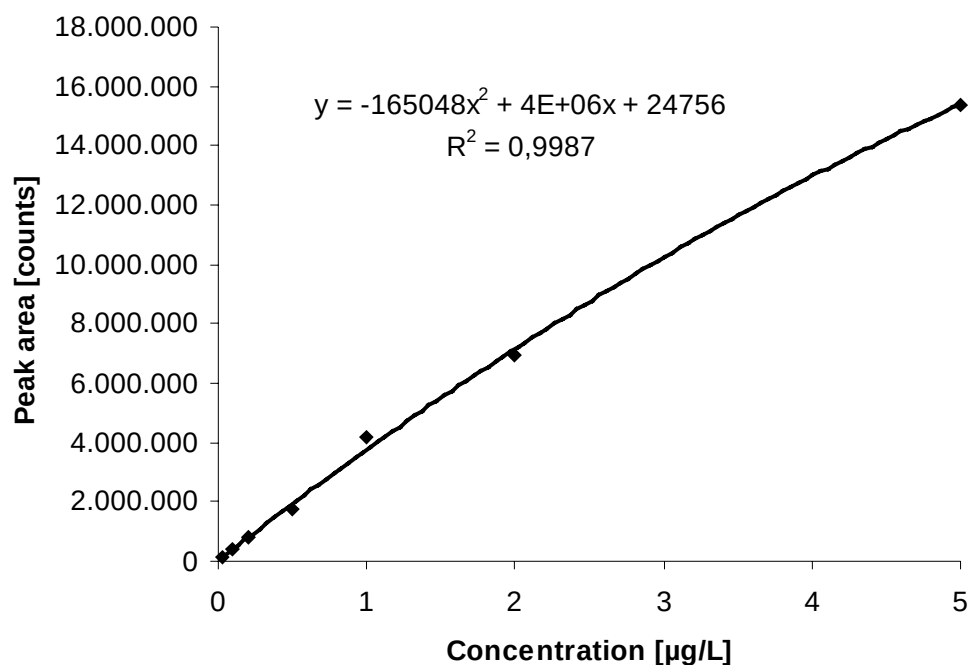
Prometon: 226→142**Prometryne: 242→158**

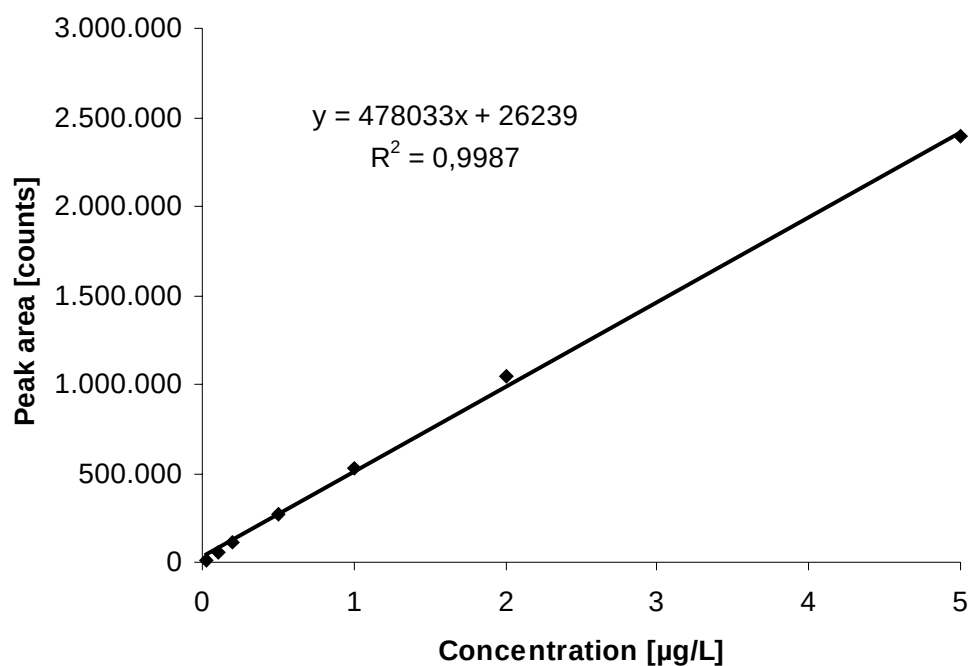
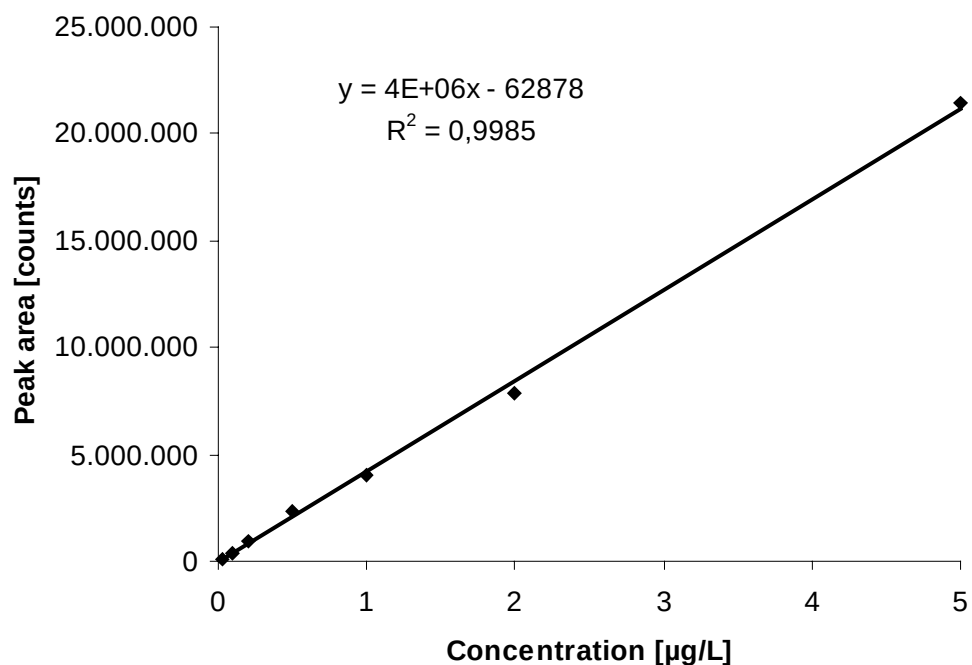
Propachlor: 212→170**Propamocarb: 189→102**

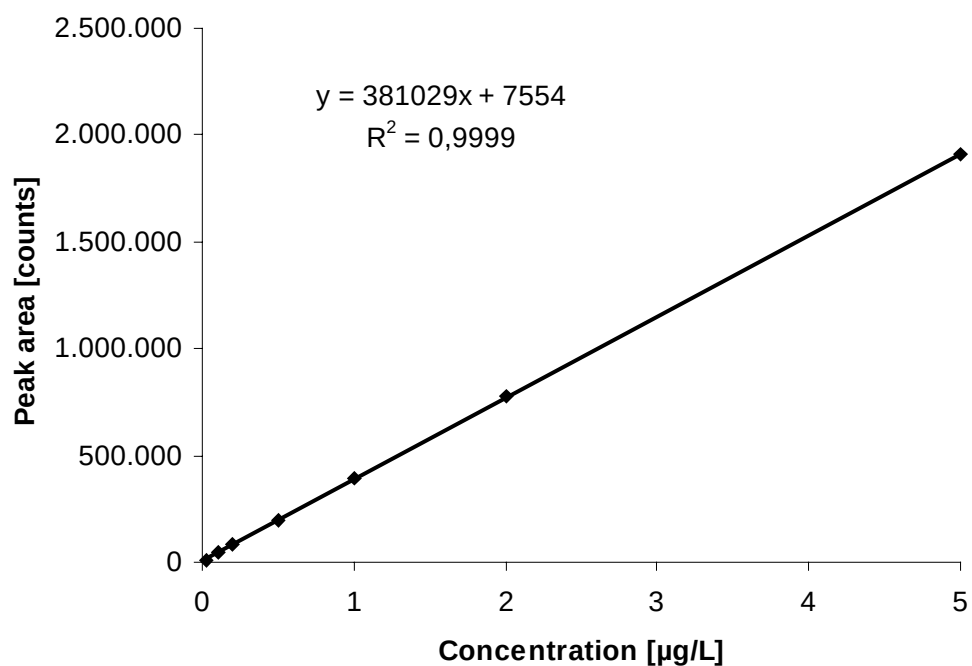
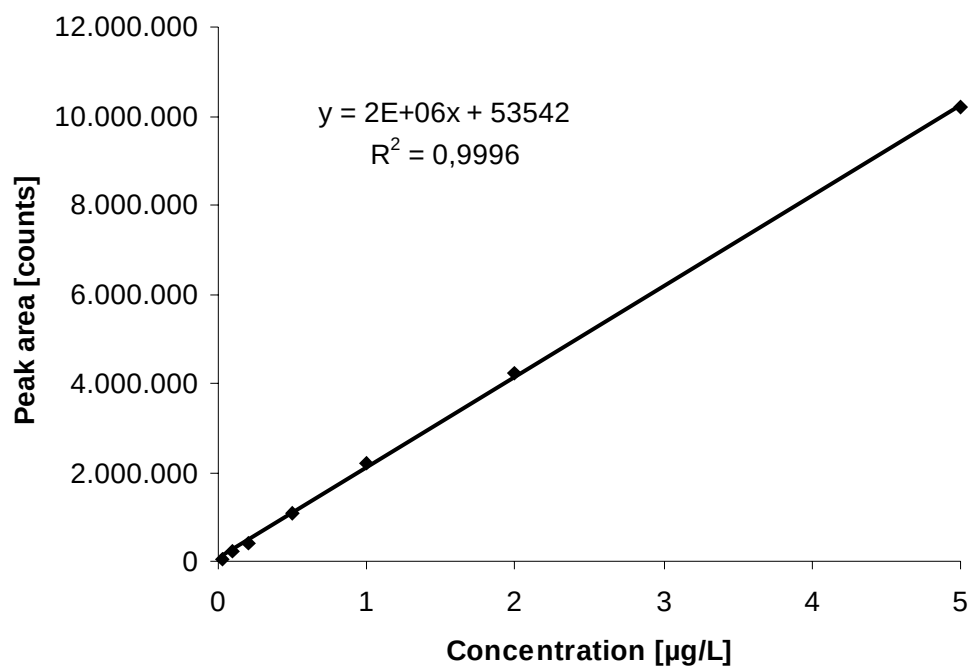
Propaquizafop: 444→100**Propargite: 368→231**

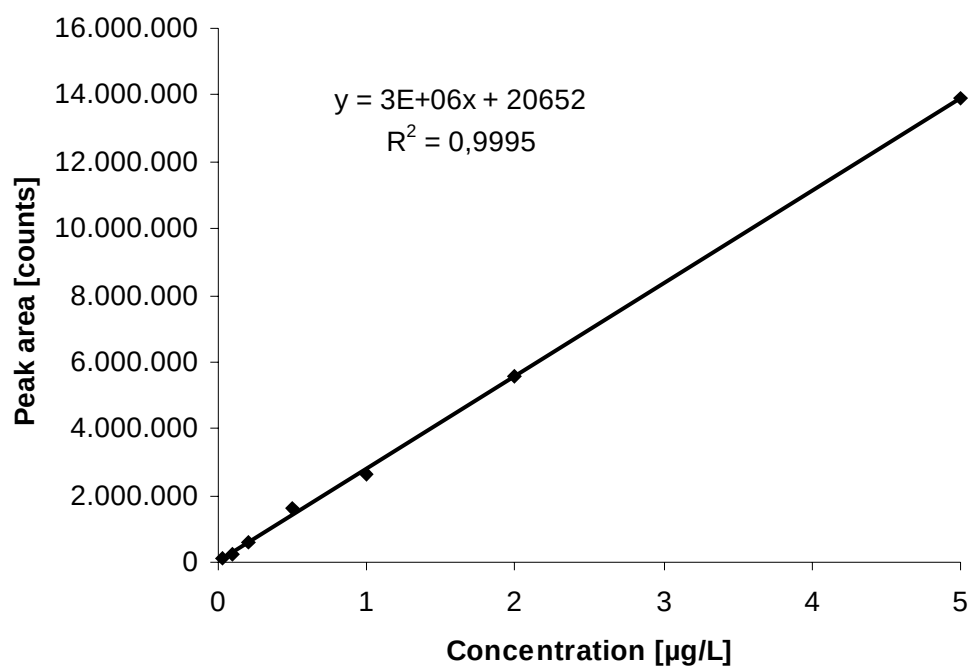
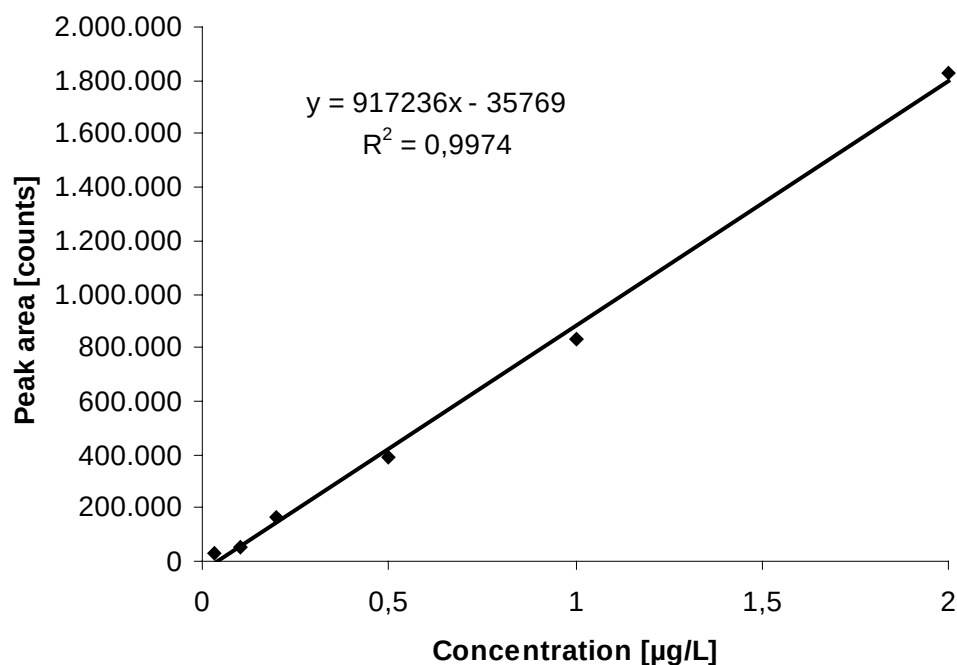
Propazin-2-hydroxy: 212→128**Propazine: 230→146**

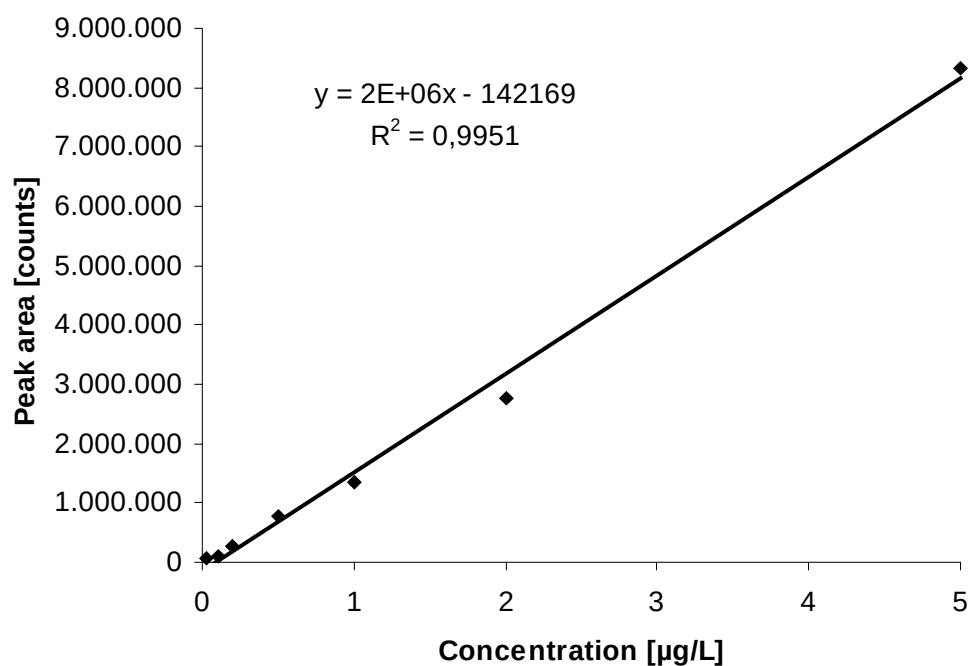
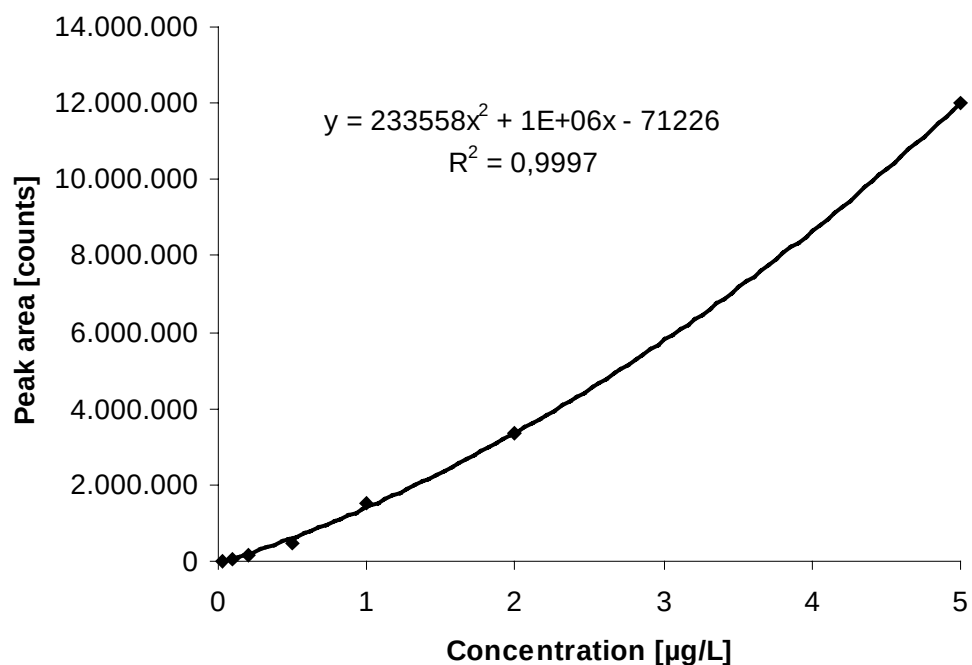
Propetamphos: 282→138**Propham: 180→138**

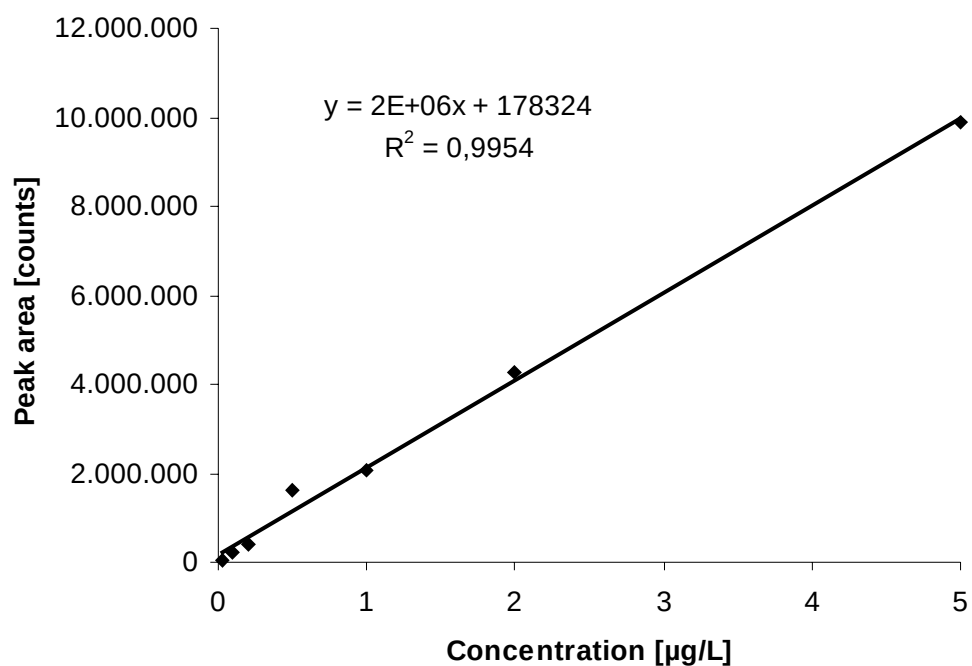
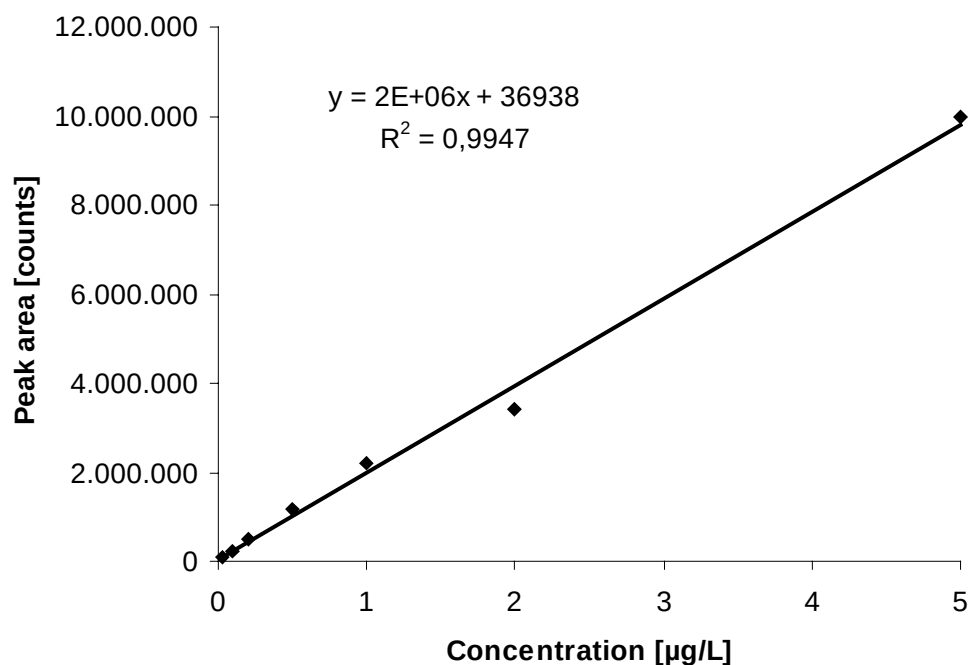
Propiconazole: 342→159**Propoxur: 210→111**

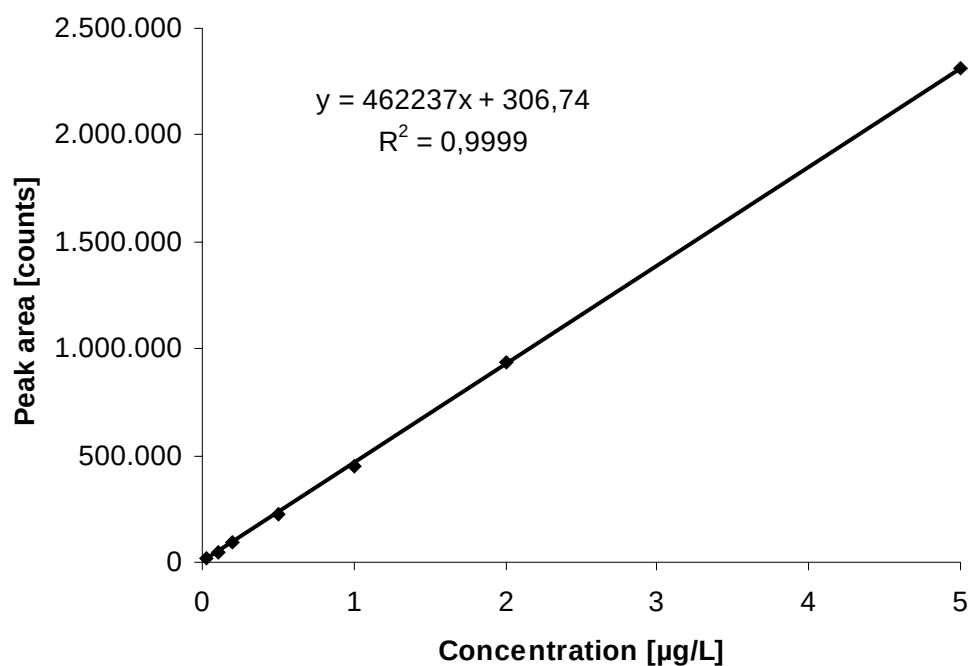
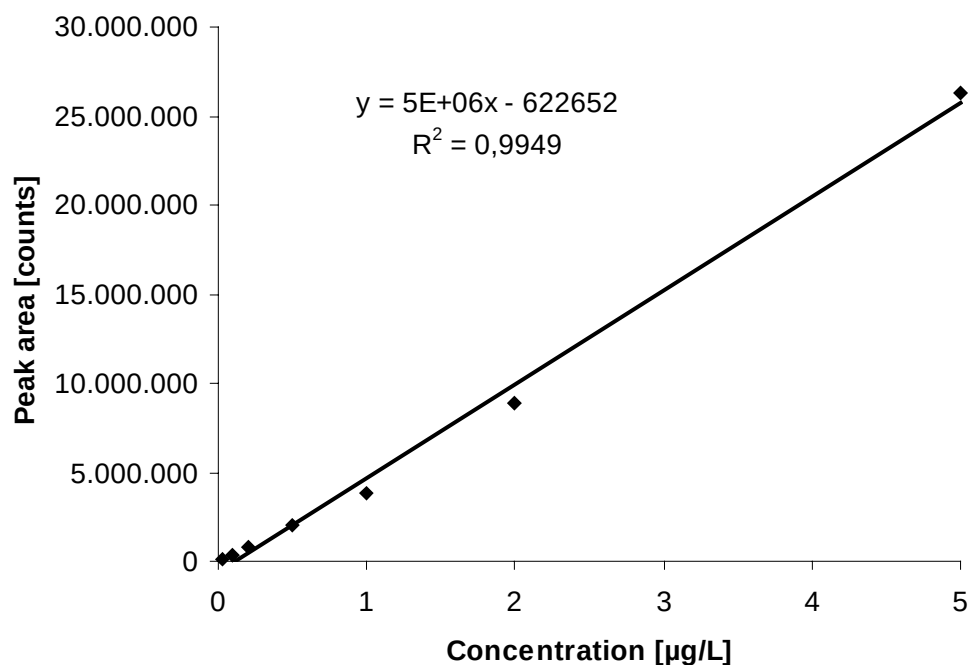
Propyzamide: 256→190**Prosulfocarb: 252→91**

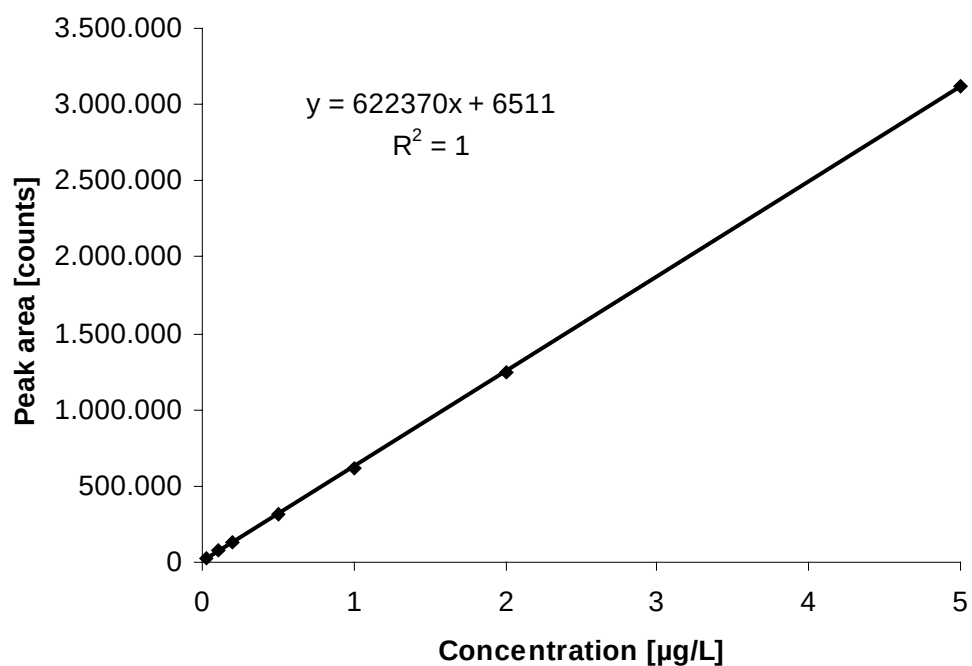
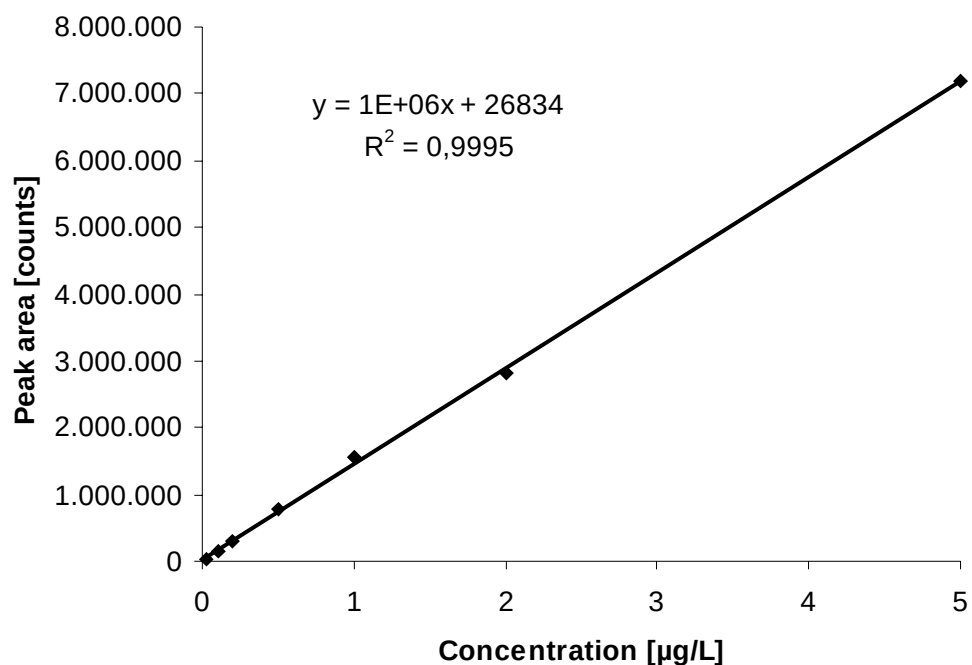
Prosulfuron: 420→141**Pymetrozin: 218→105**

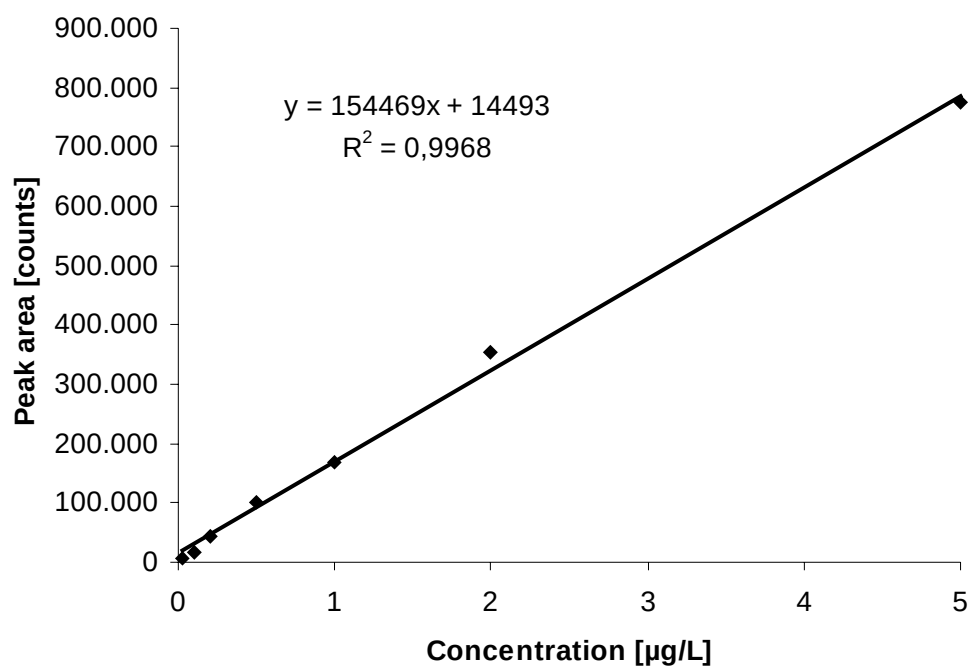
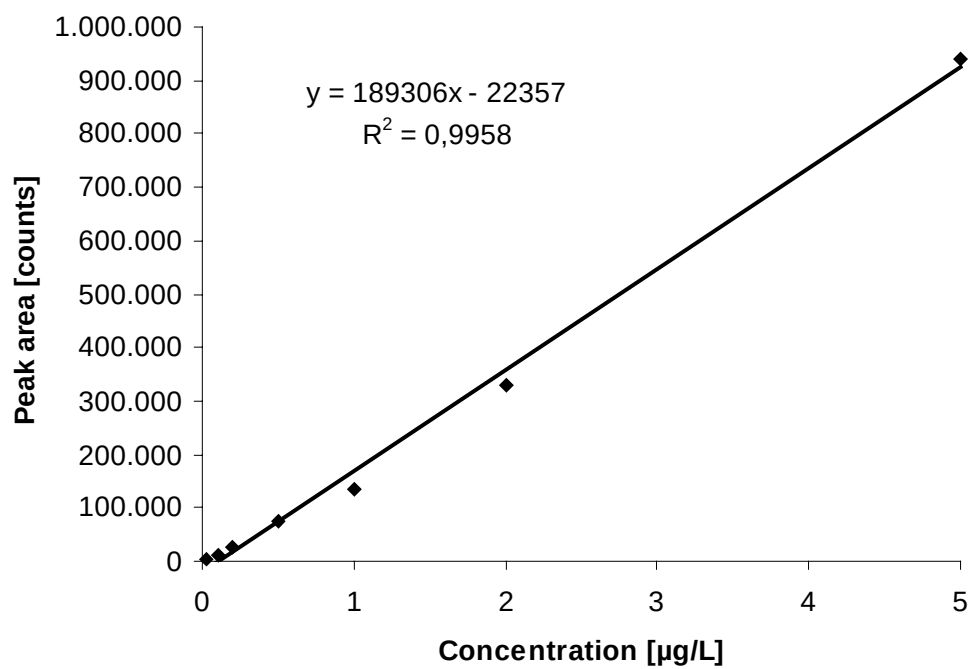
Pyraclostrobin: 388→194**Pyraflufen-ethyl: 413→339**

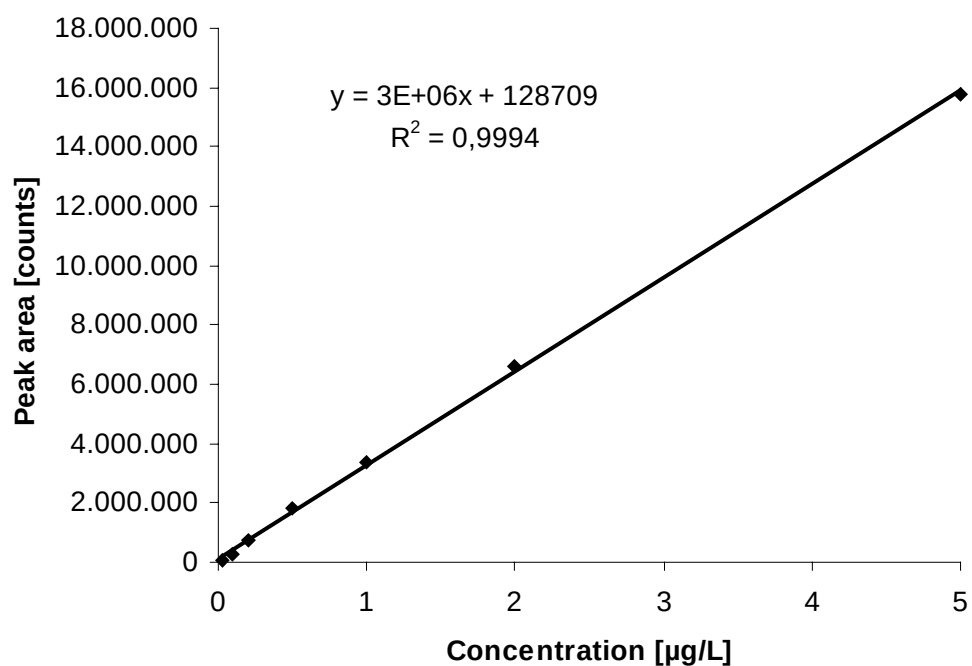
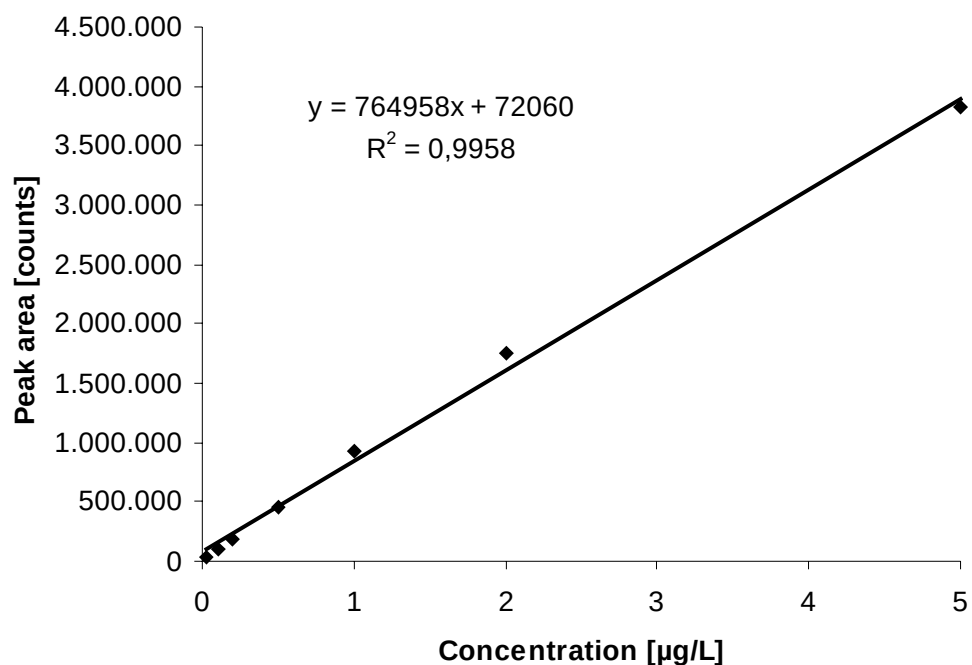
Pyrazophos: 374→222**Pyridaben: 365→147**

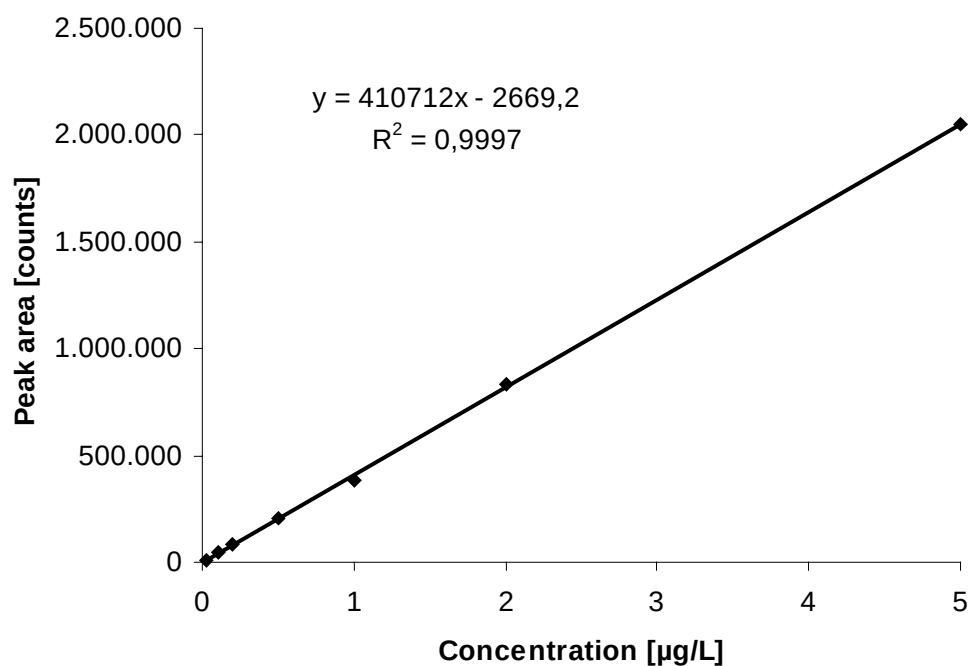
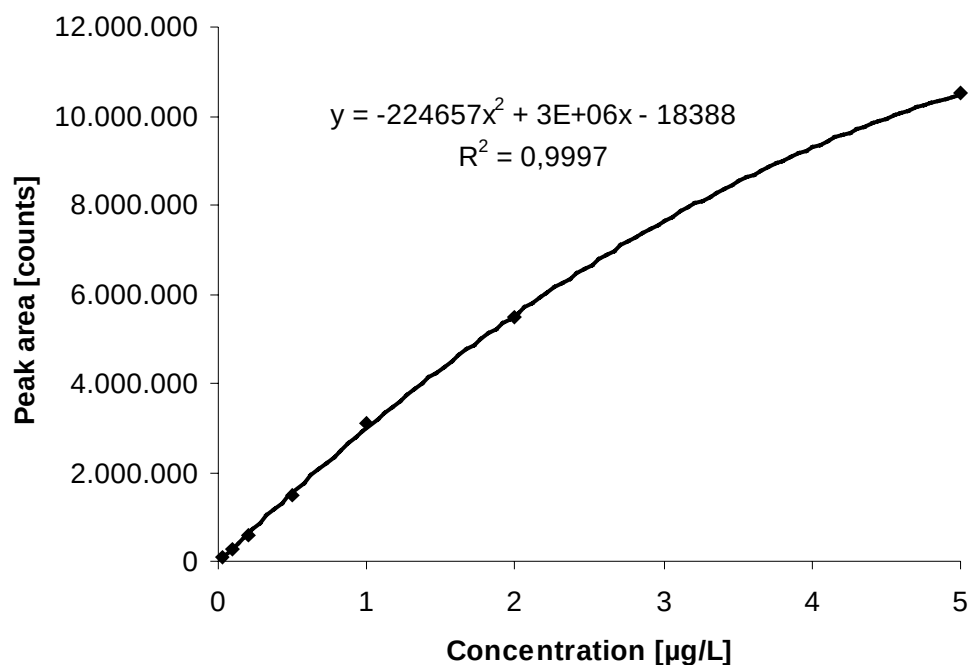
Pyridaphenthion: 341→189**Pyrifenox: 295→93**

Pyrimethanil: 200→107**Pyriproxyfen: 322→96**

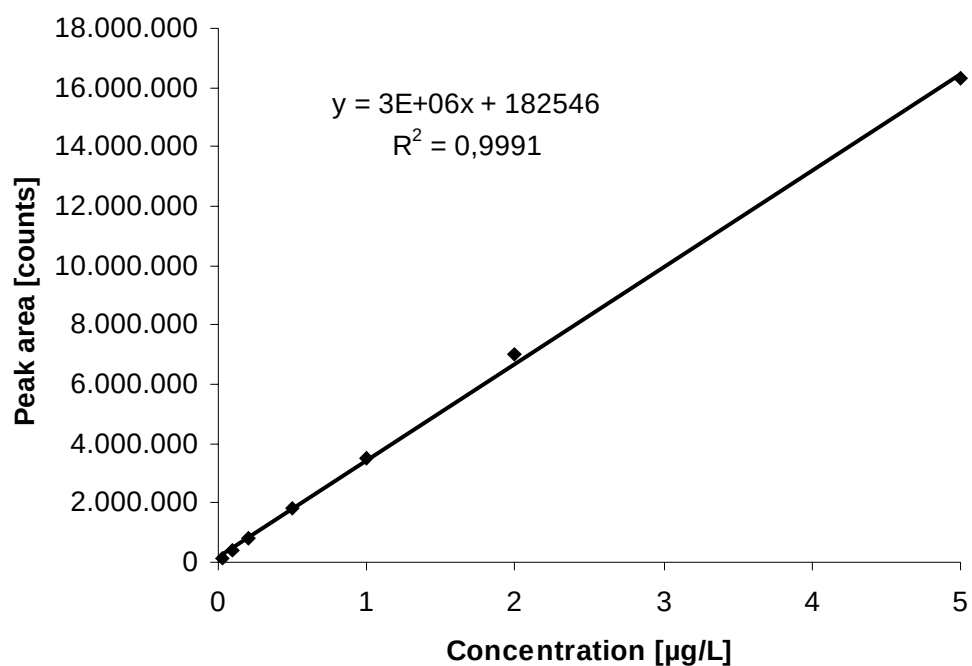
Quinalphos: 299→147**Quinmerac: 222→204**

Quinoclamine: 208→105**Quinoxyfen: 308→197**

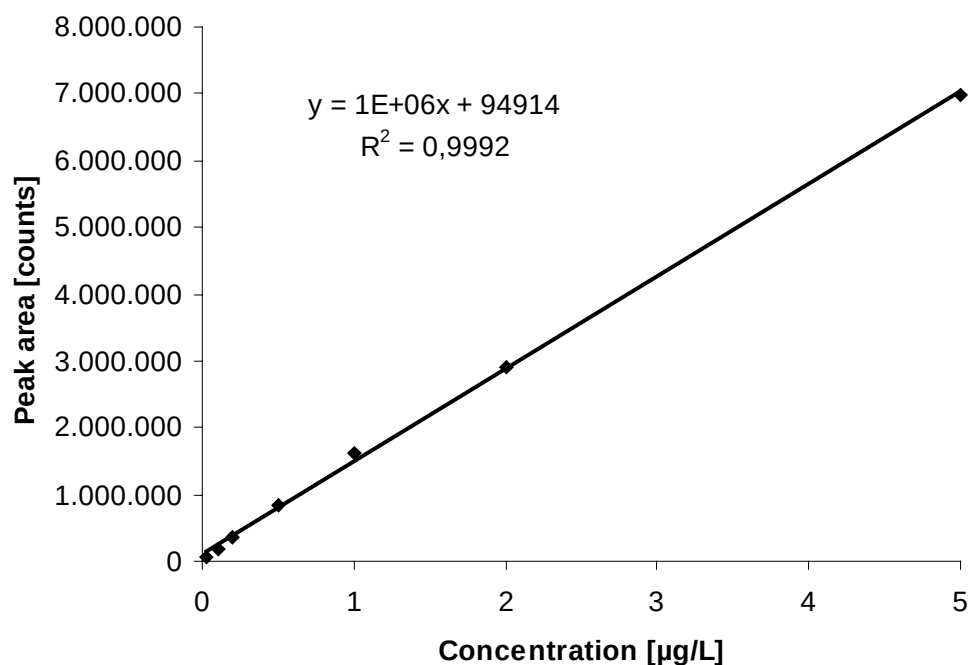
Quizalofop-ethyl: 373→299**Rimsulfuron: 432→182**

Rotenone: 395→213**Sebuthylazine: 230→174**

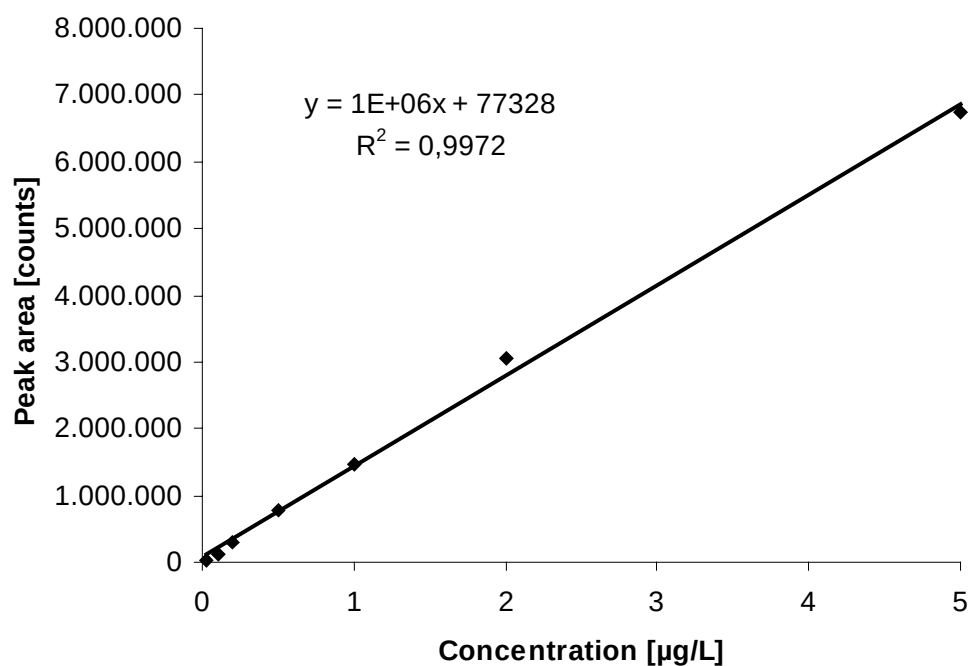
Sebuthylazine-desethyl: 202→146



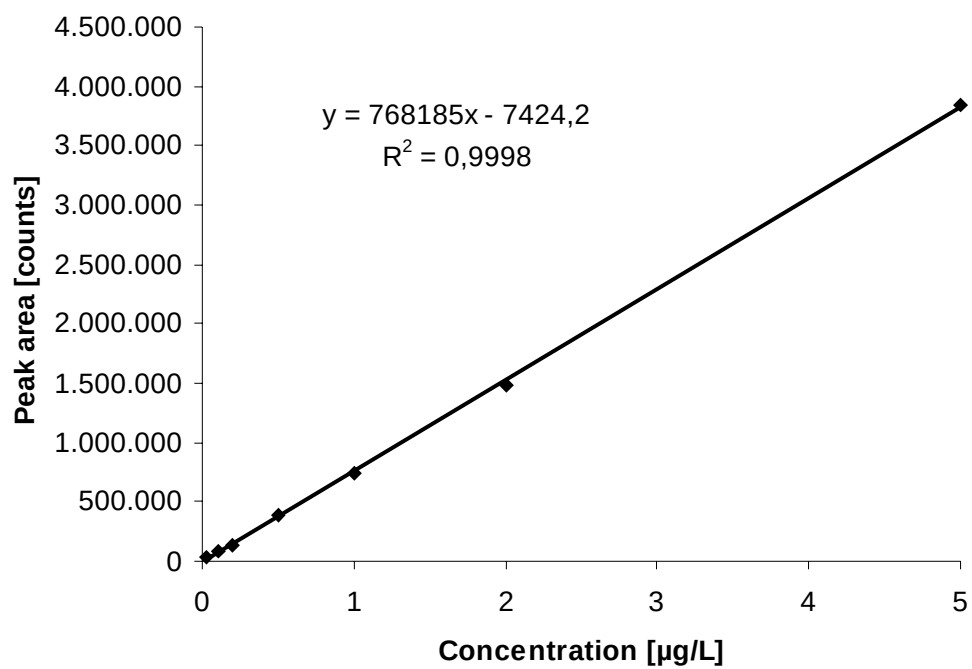
Sethoxydim: 328→178



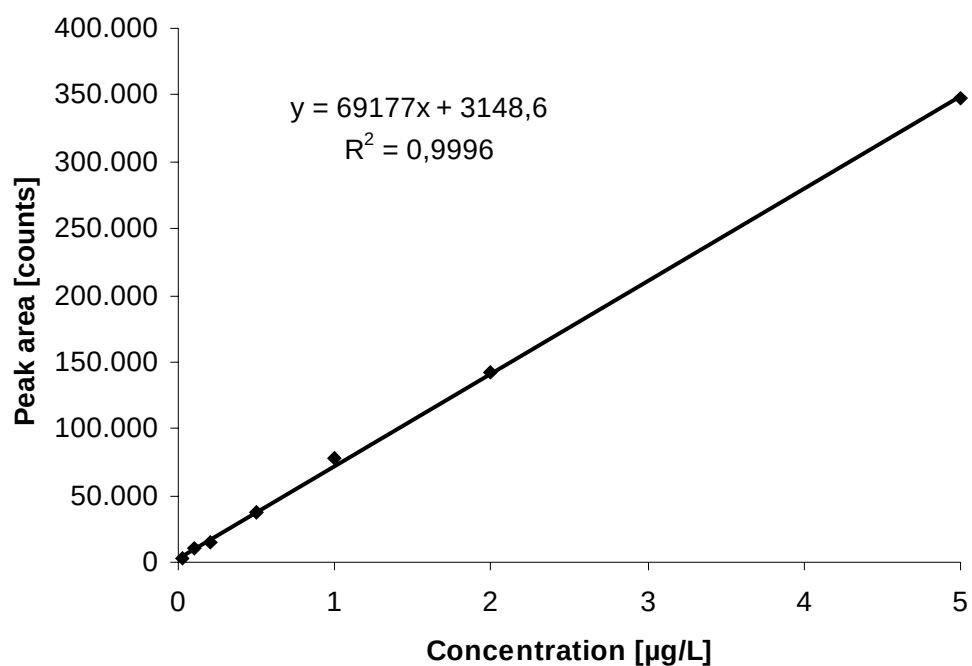
Siduron: 233→137



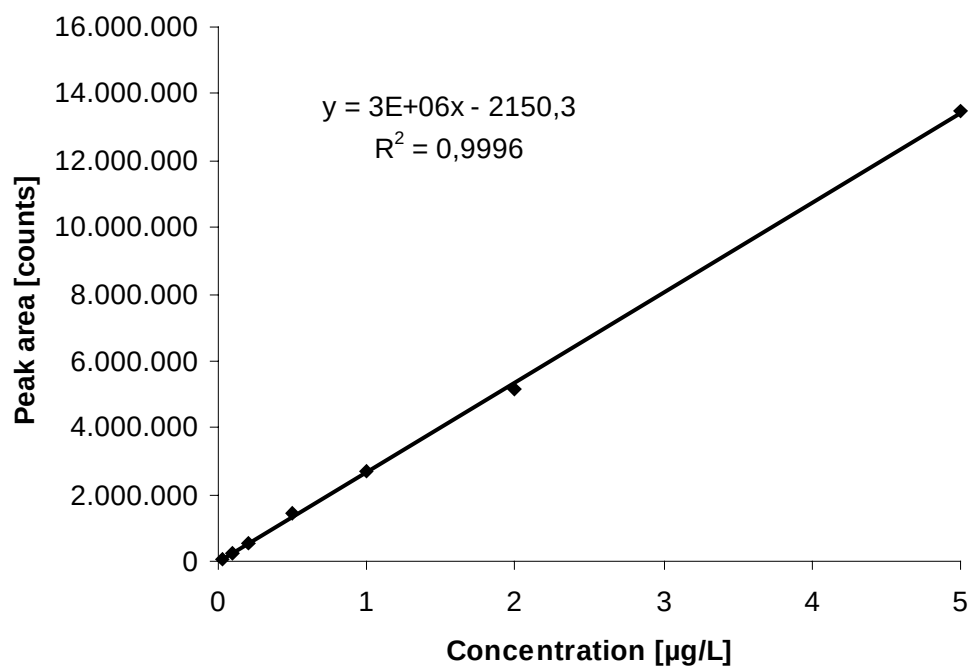
Simazine: 202→132

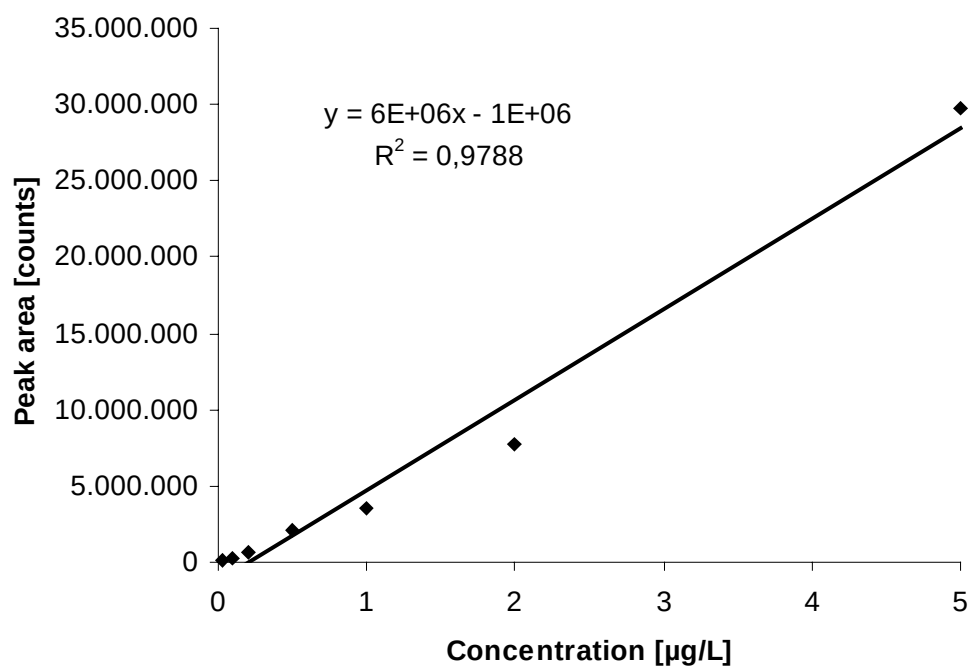
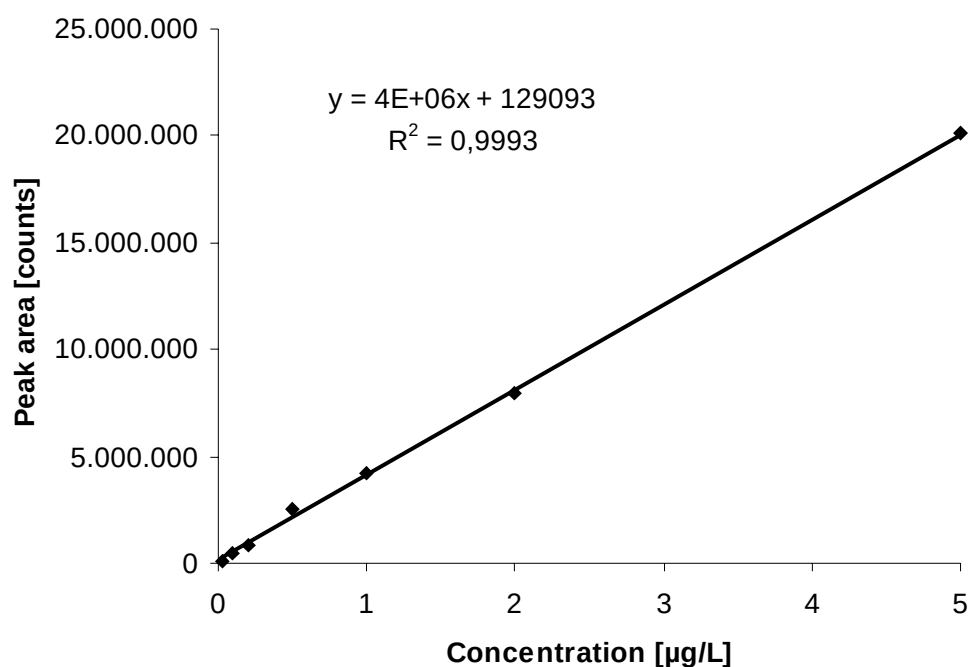


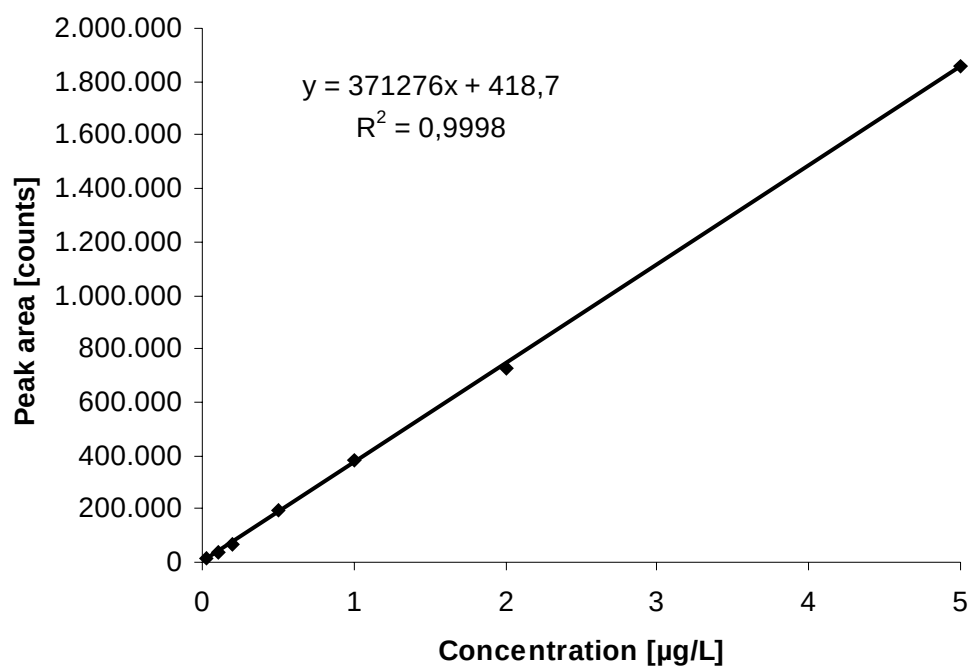
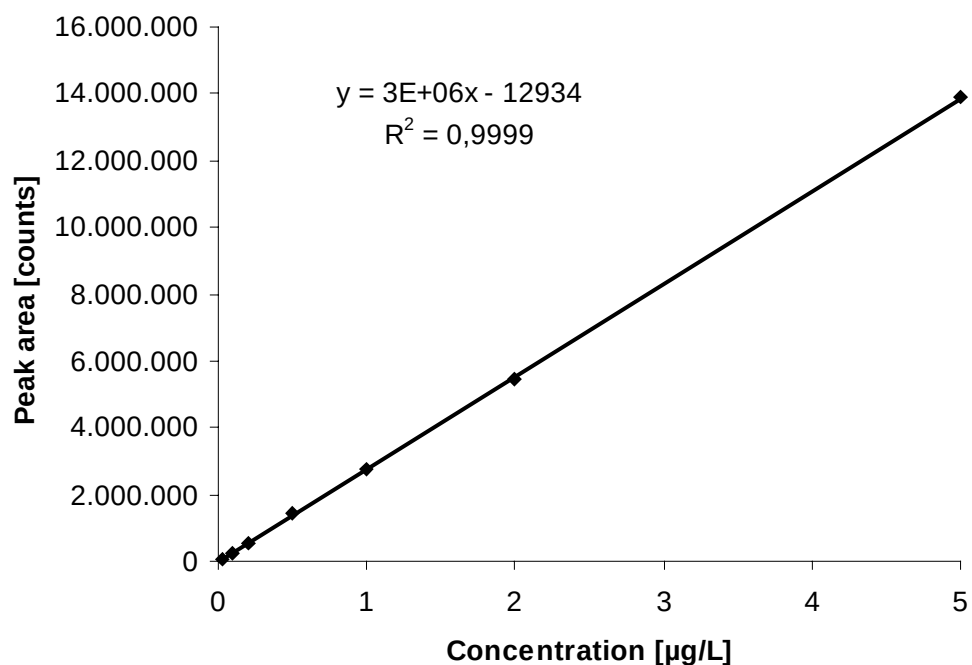
Simazine-2-hydroxy: 184→114

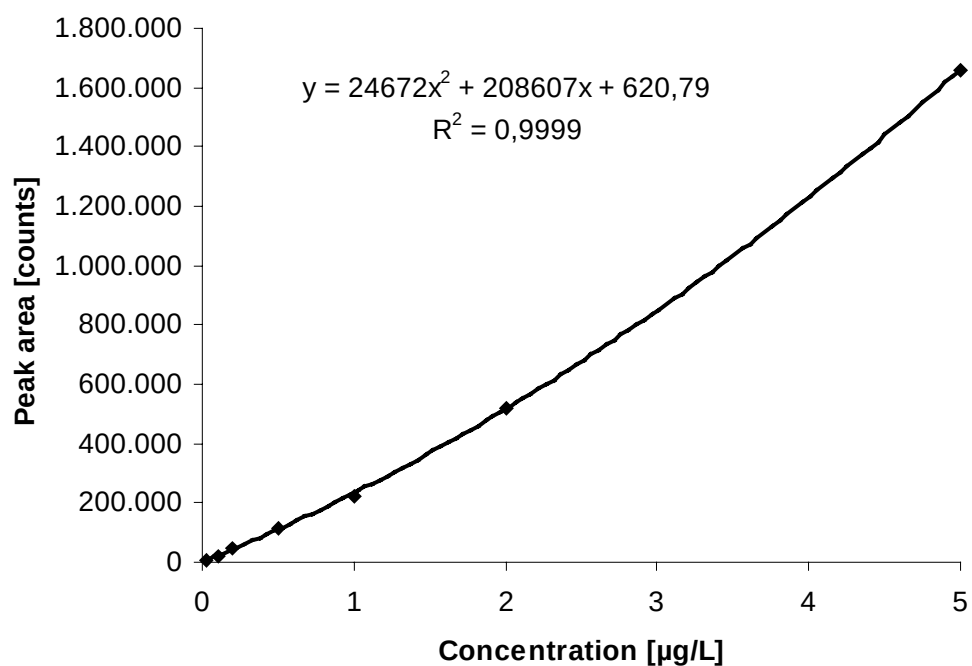
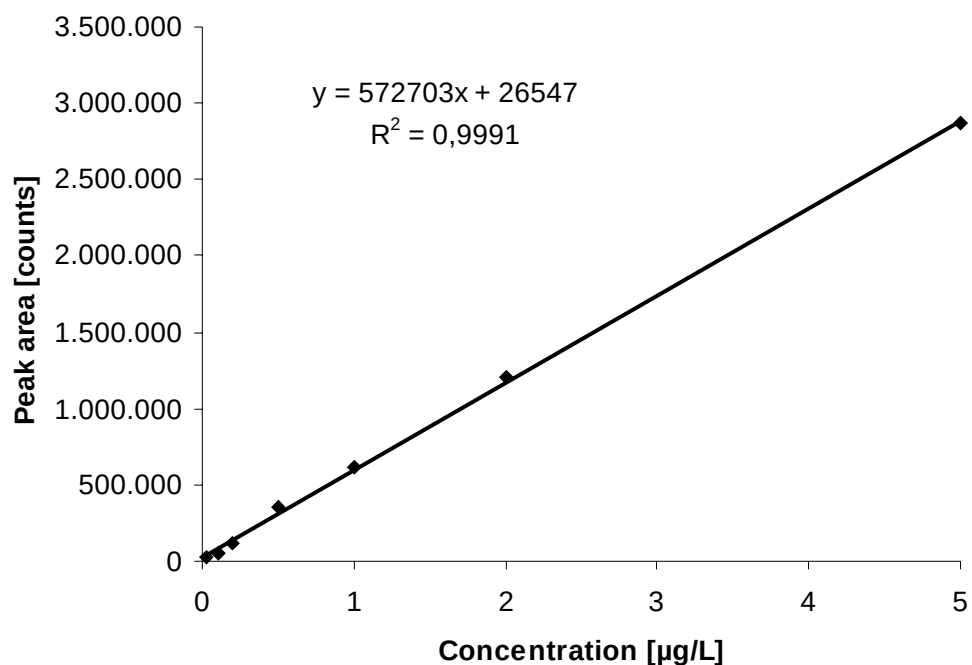


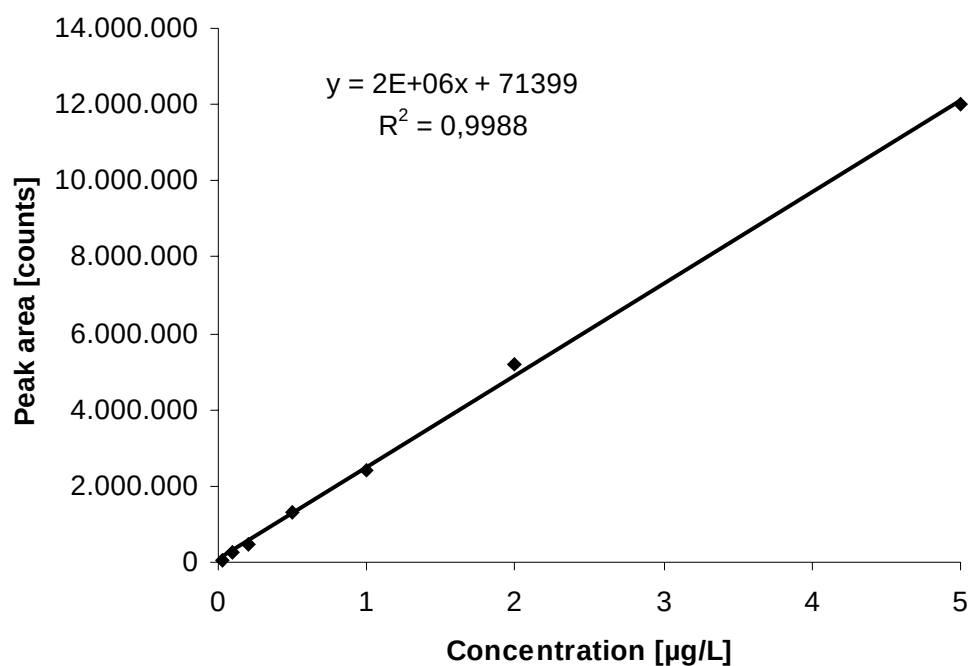
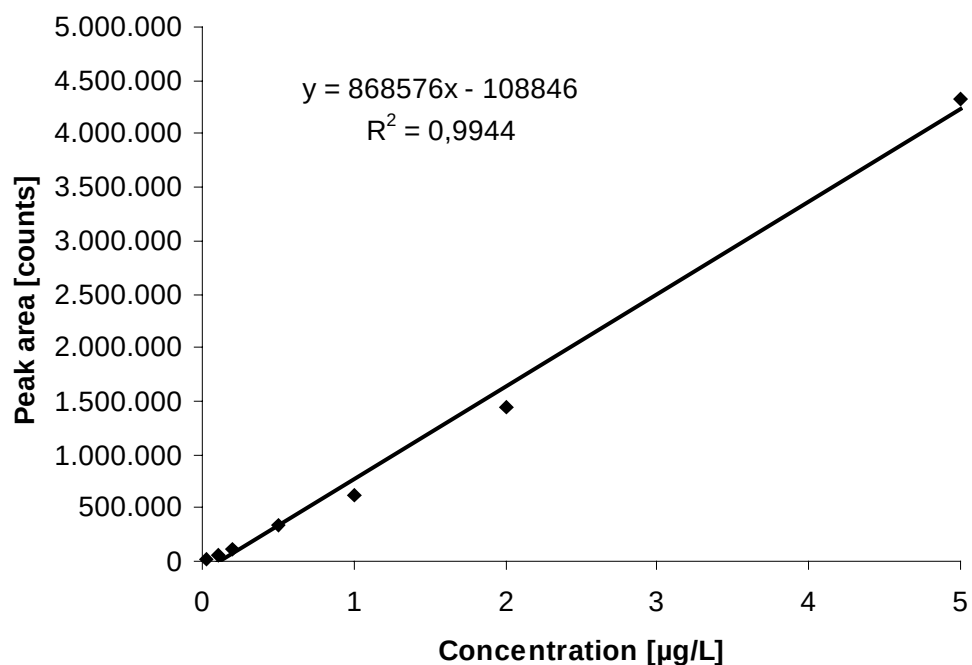
Simetryn: 214→124

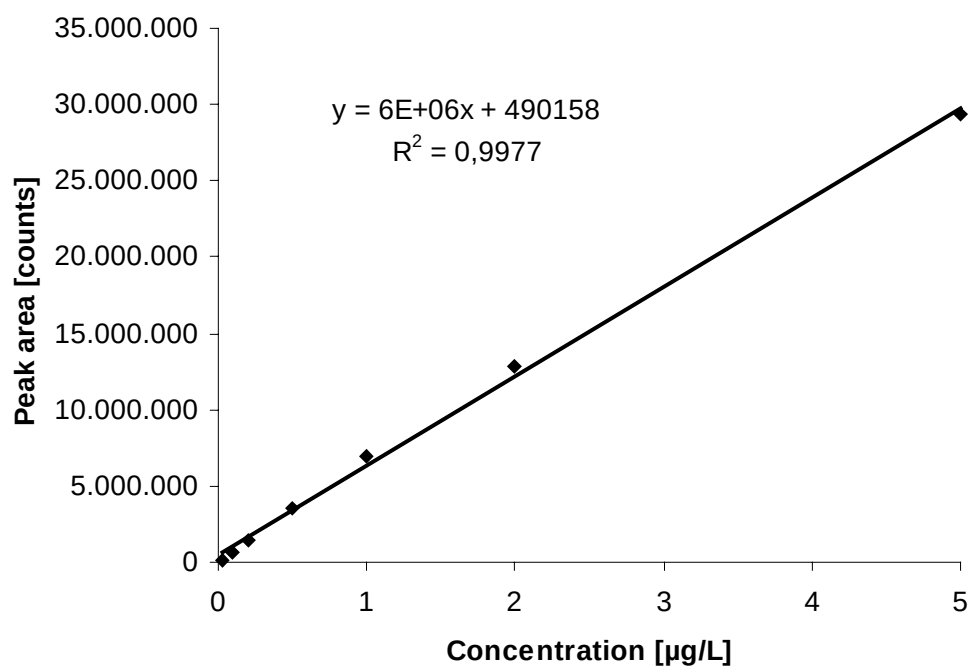
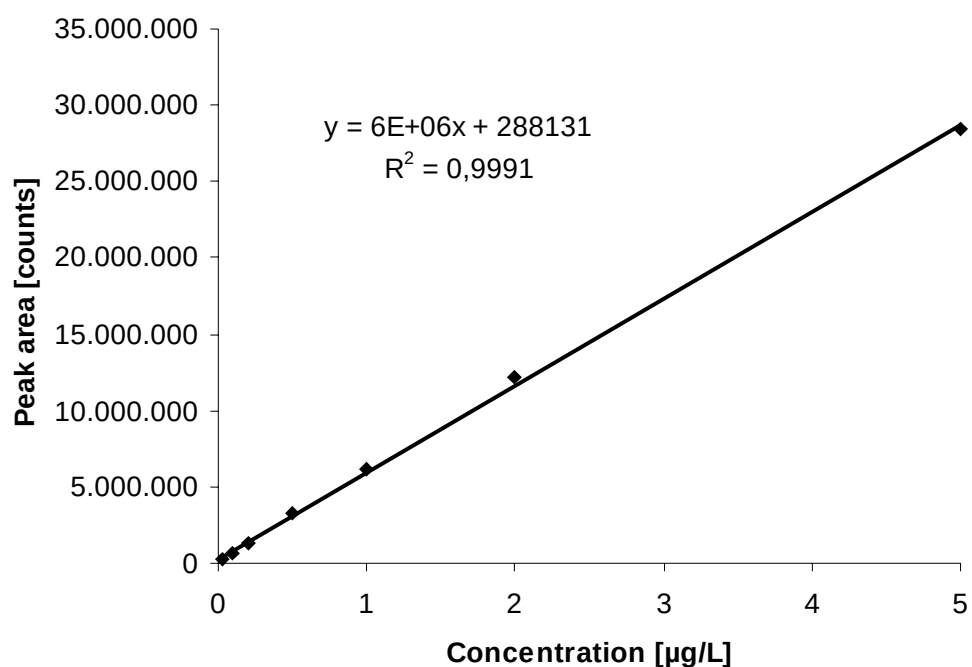


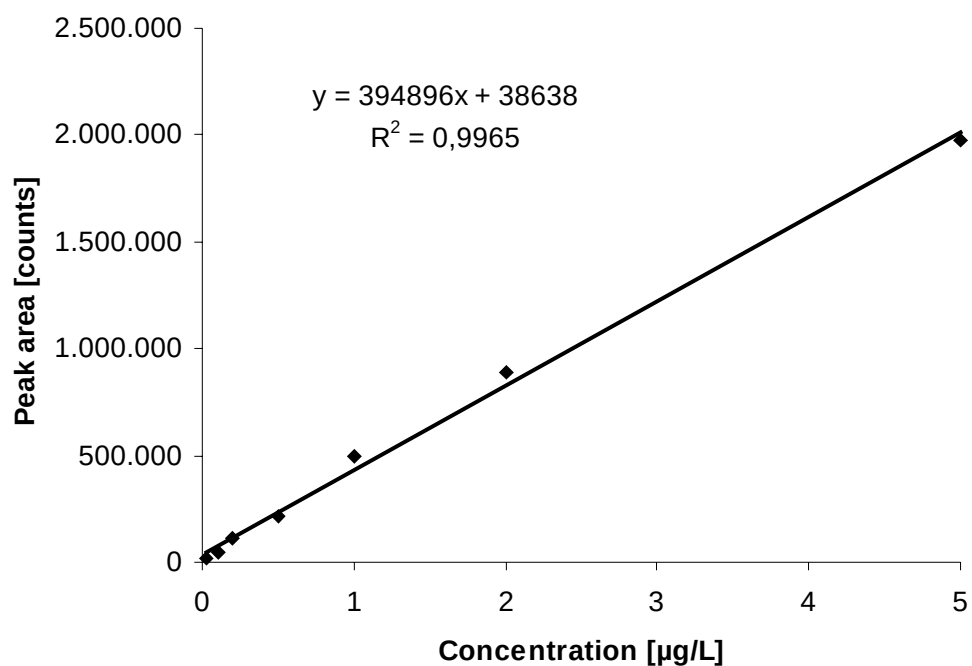
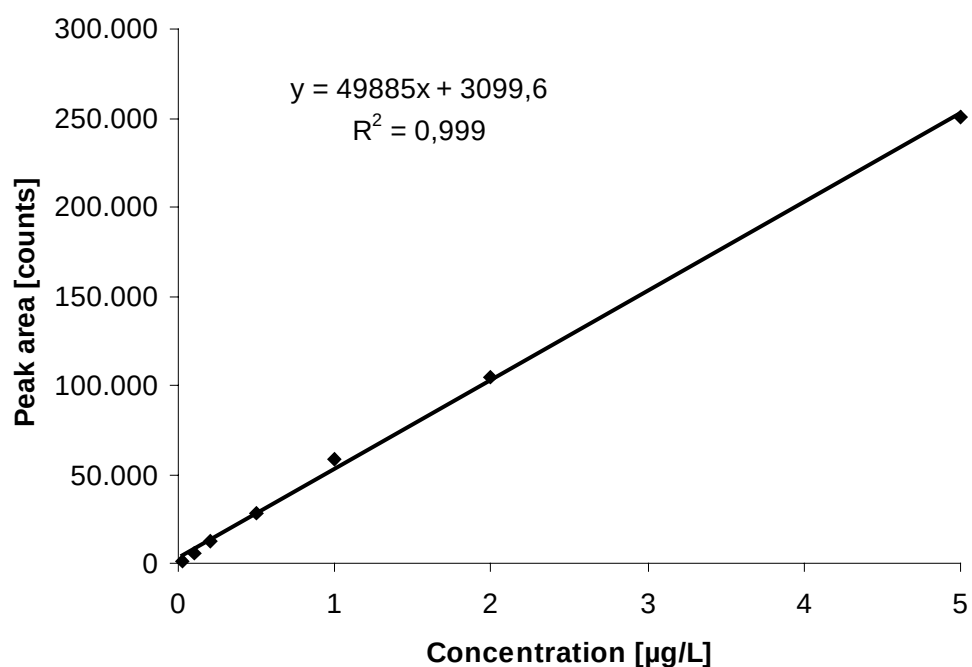
Spiroxamine: 298→144**Sulfometuron-methyl: 365→150**

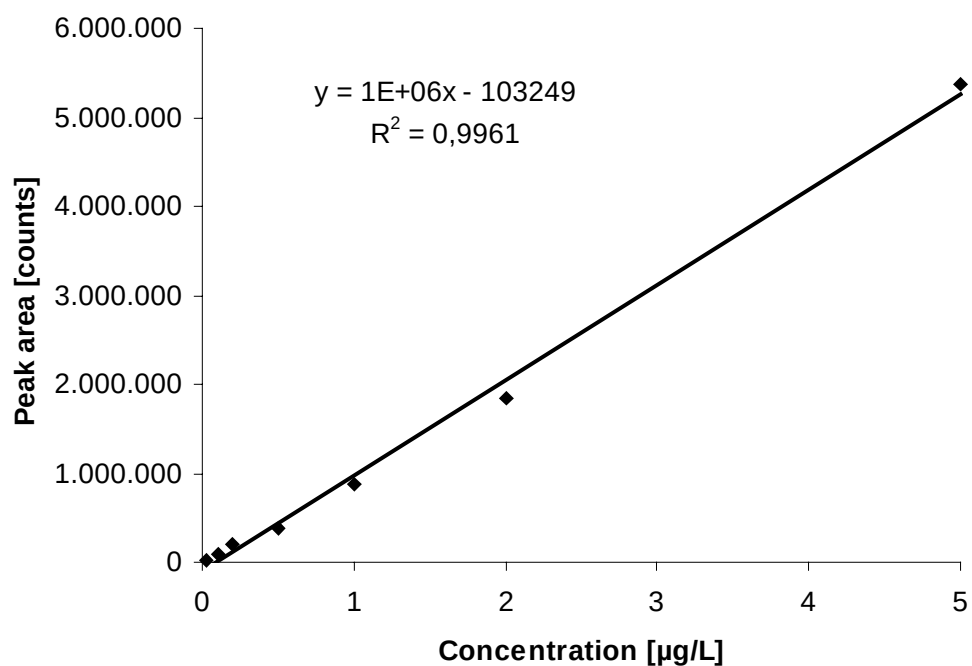
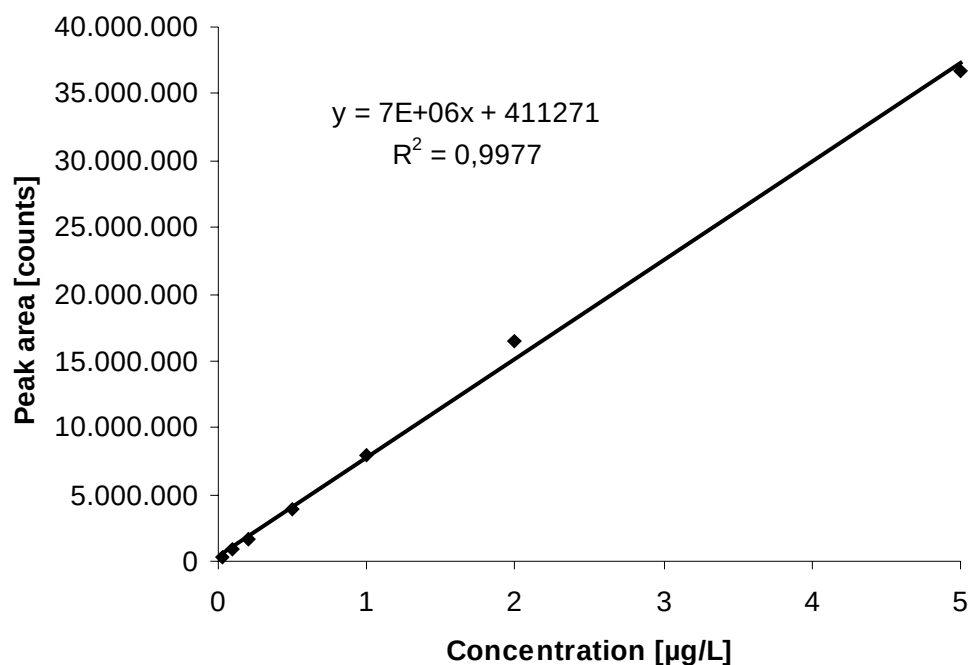
Sulfosulfuron: 471→211**Sulfotep: 323→115**

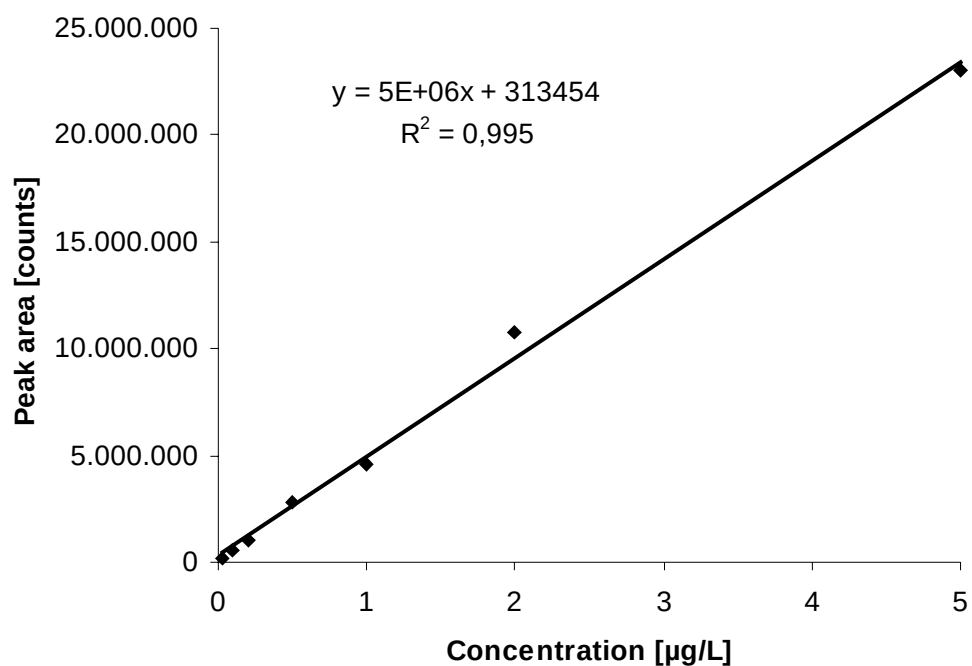
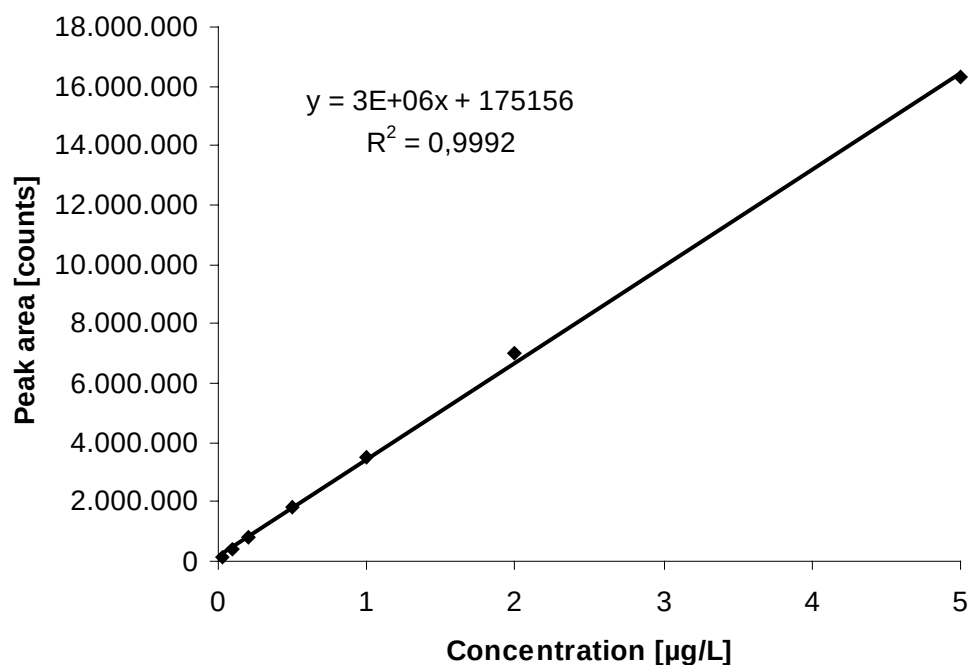
Sulprofos: 323→219**Tebuconazol: 308→70**

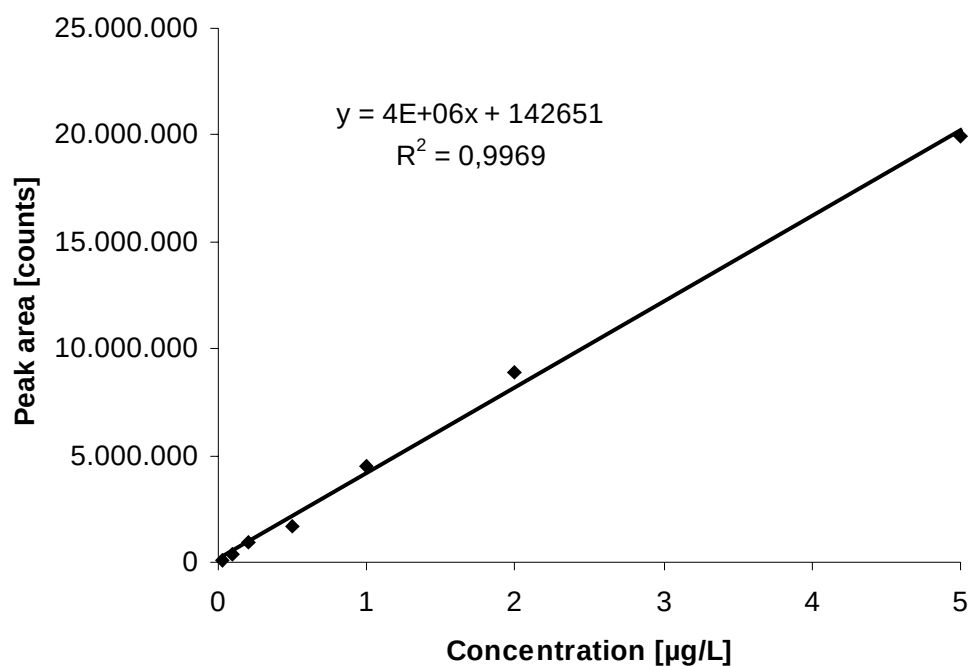
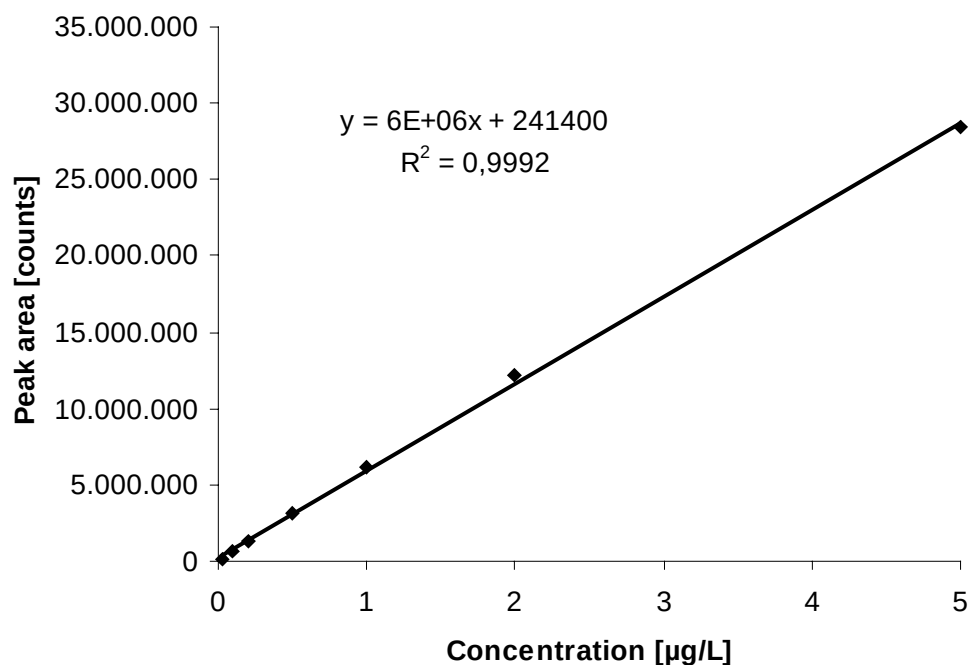
Tebufenozid: 353→133**Tebufenpyrad: 334→117**

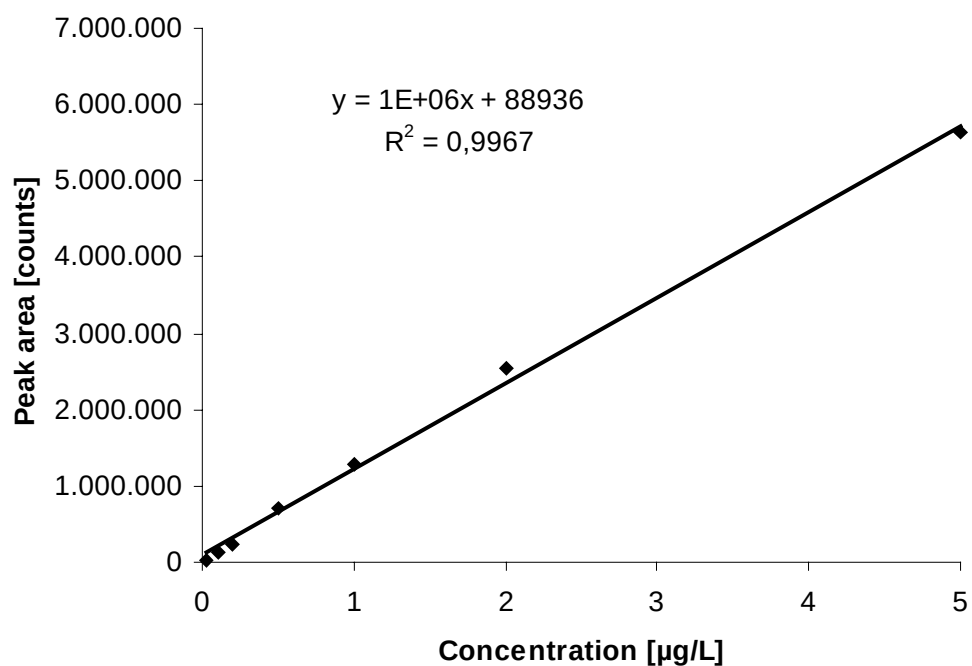
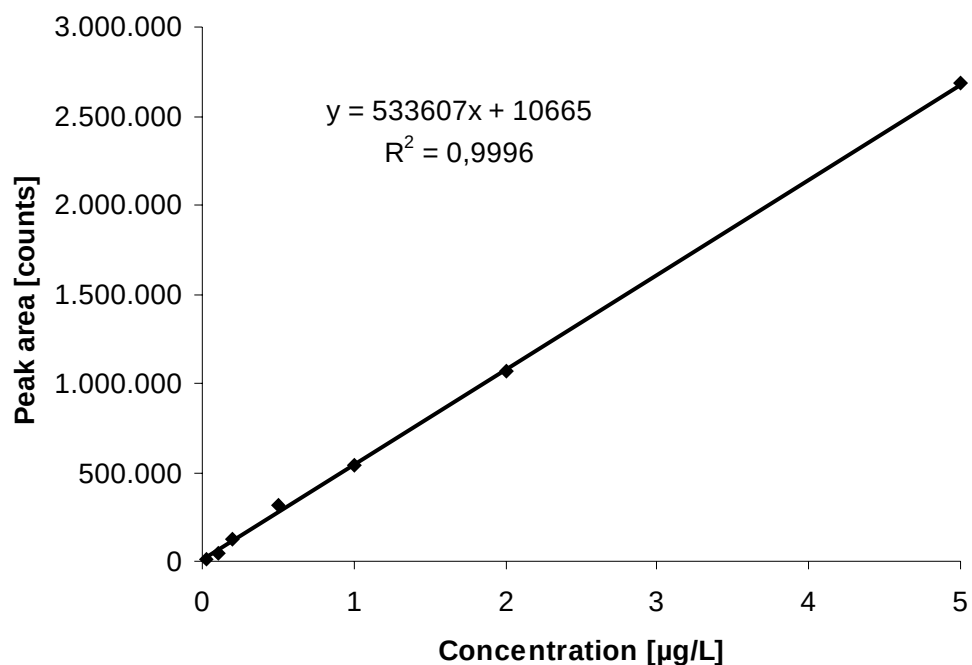
Tebutam: 234→91**Tebuthiuron: 229→172**

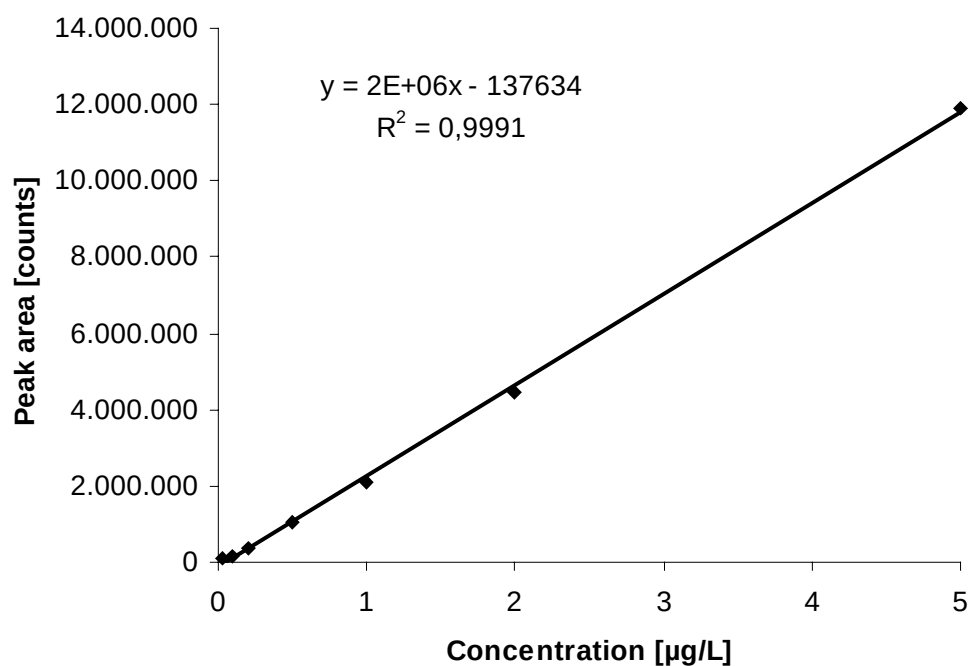
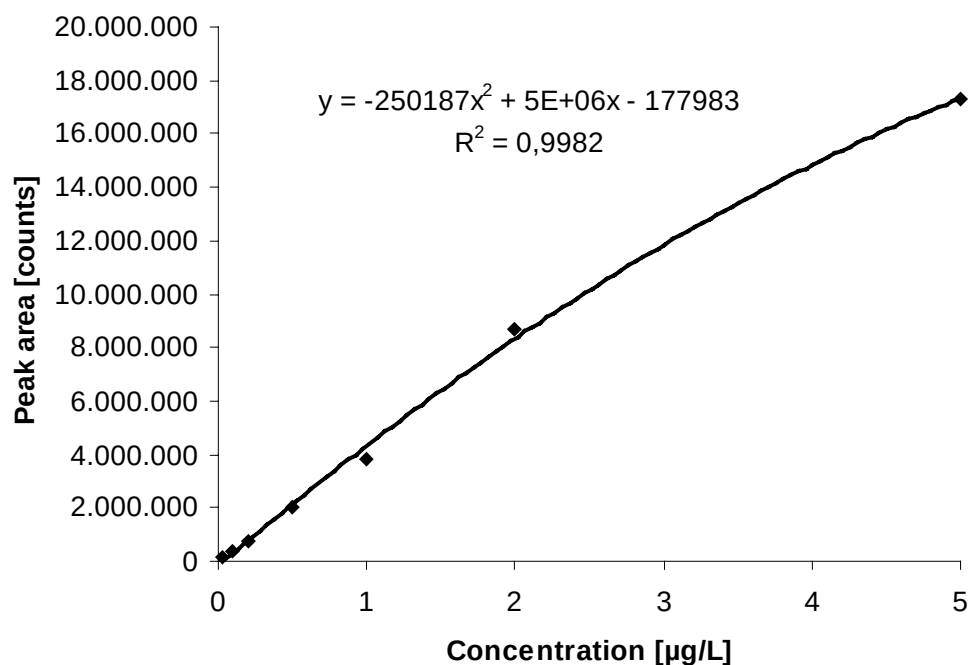
Tepraloxydim: 342→250**Terbacil: 217→161**

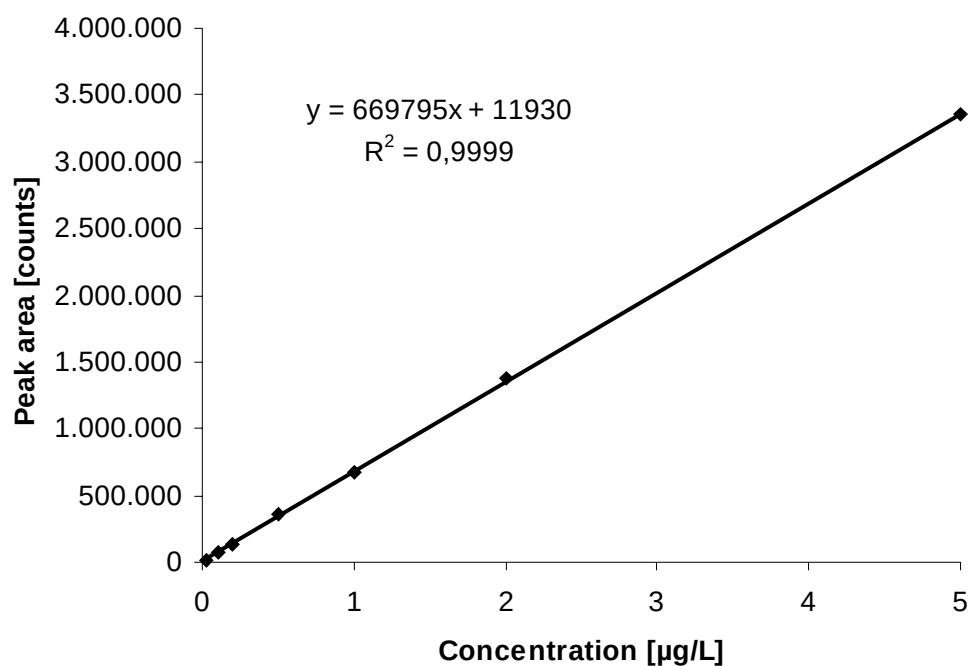
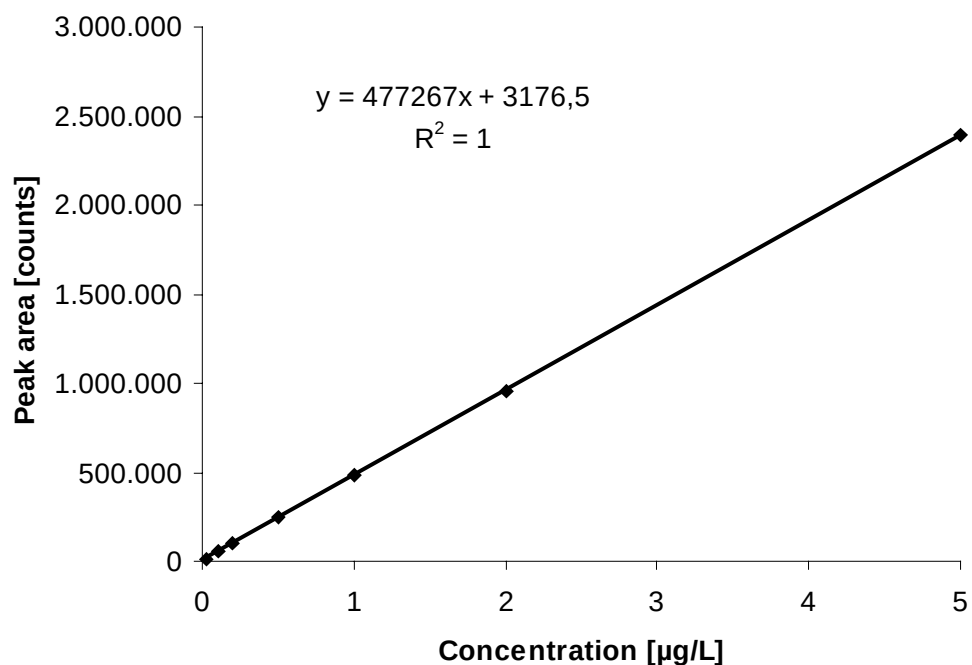
Terbufos: 289→103**Terbumeton: 226→170**

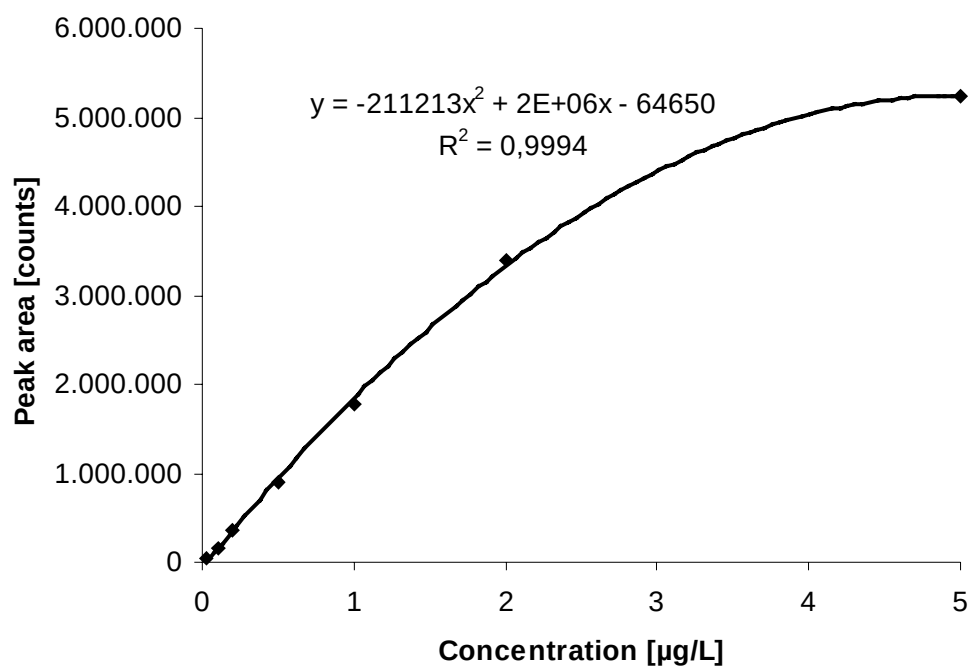
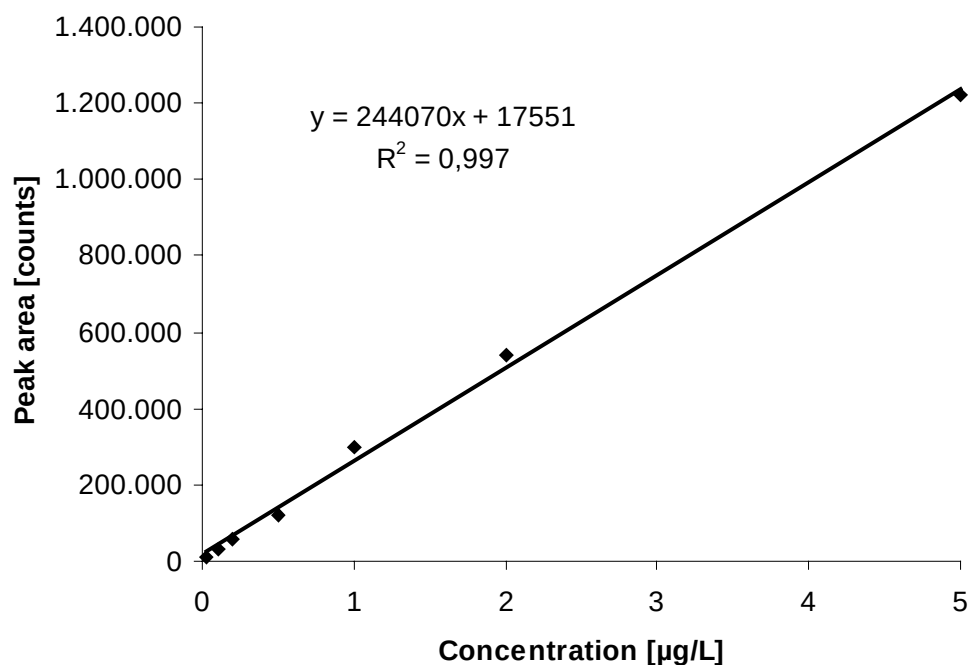
Terbutyazine-2-hydroxy: 212→156**Terbutyazine-desethyl: 202→146**

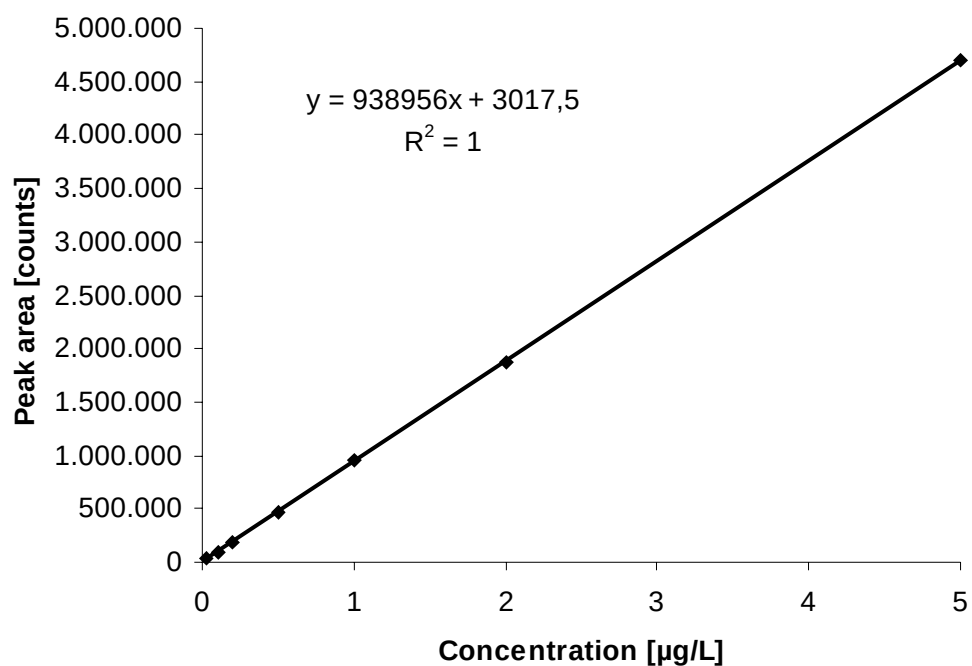
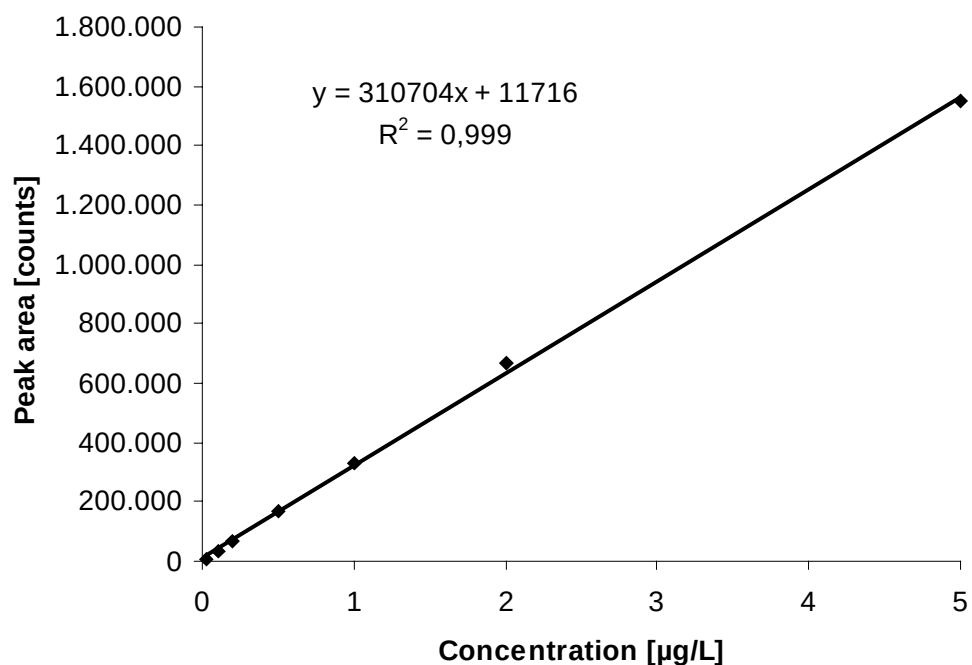
Terbuthylazine: 230→174**Terbutryn: 242→186**

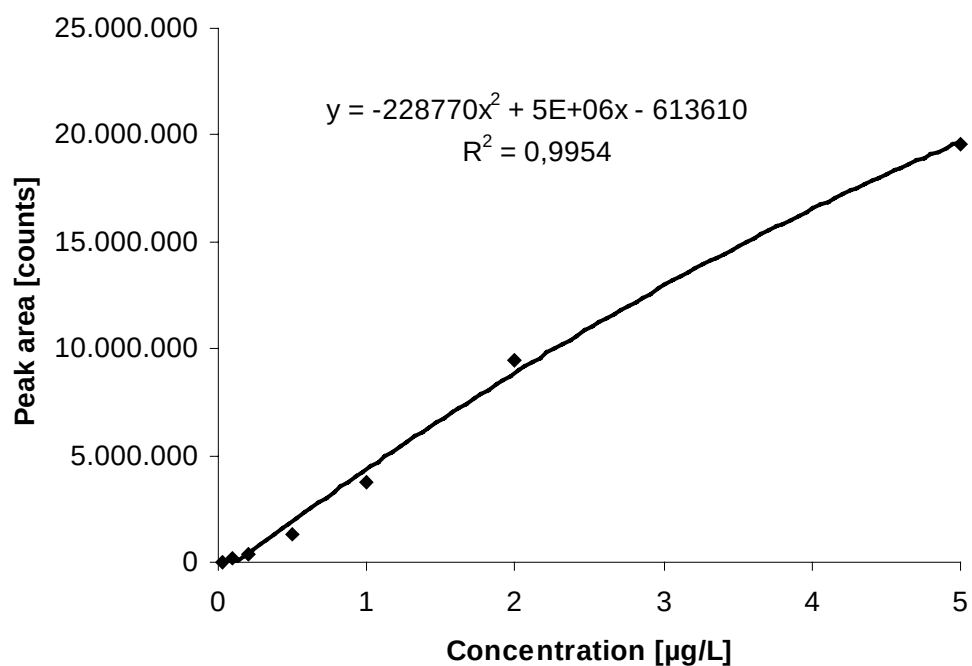
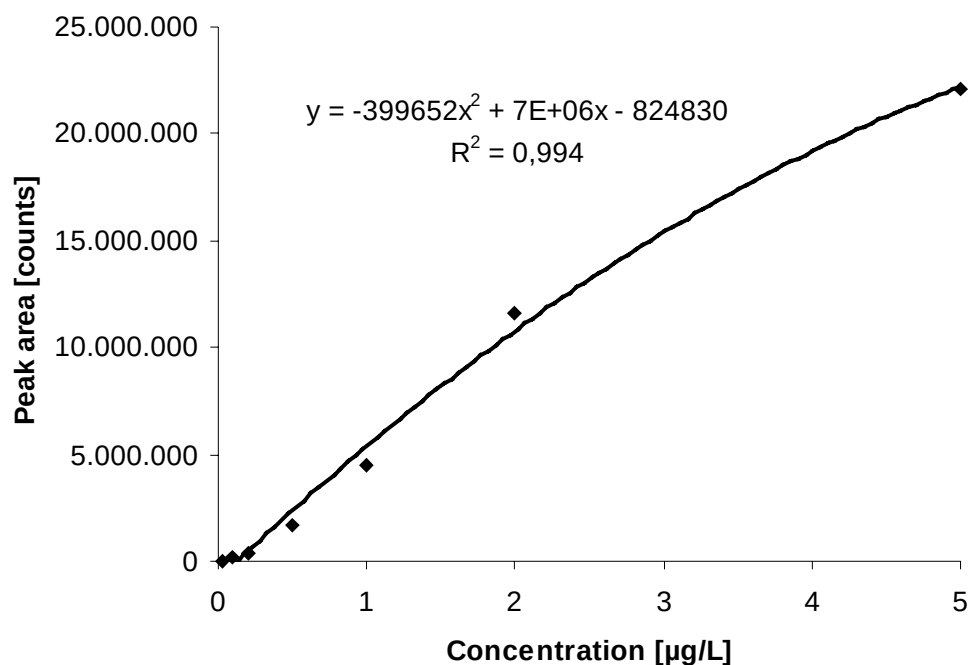
Tetrachlorvinphos: 367→127**Tetraconazole: 372→159**

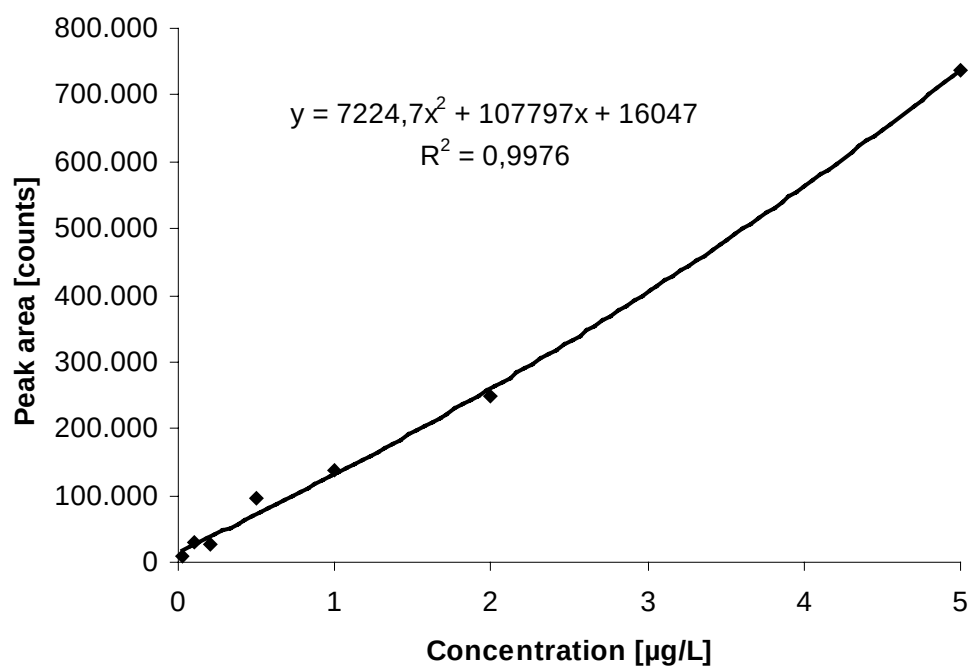
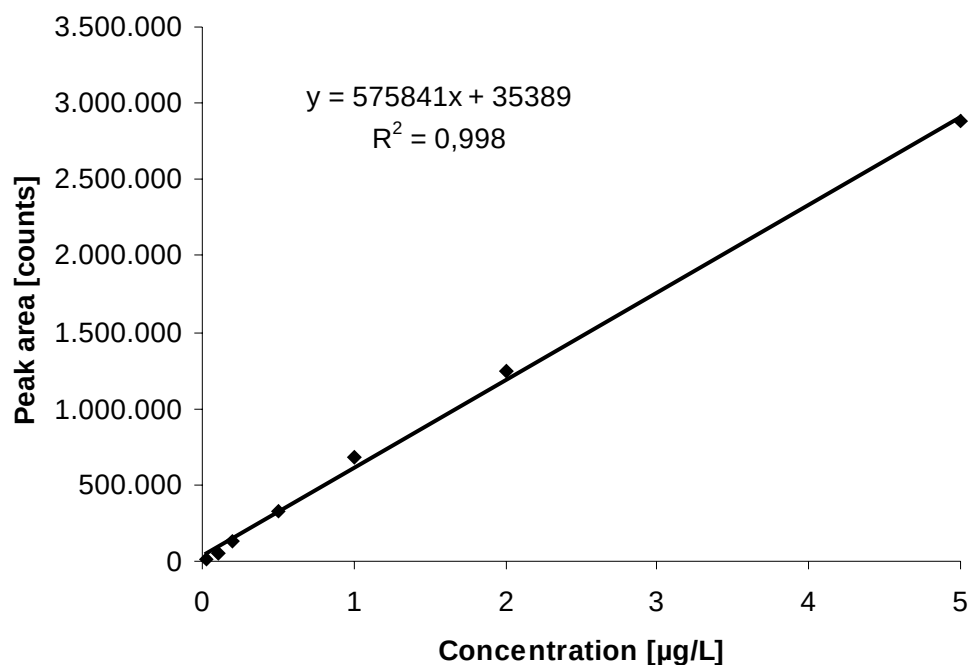
Thiabendazol: 202→175**Thiacloprid: 253→126**

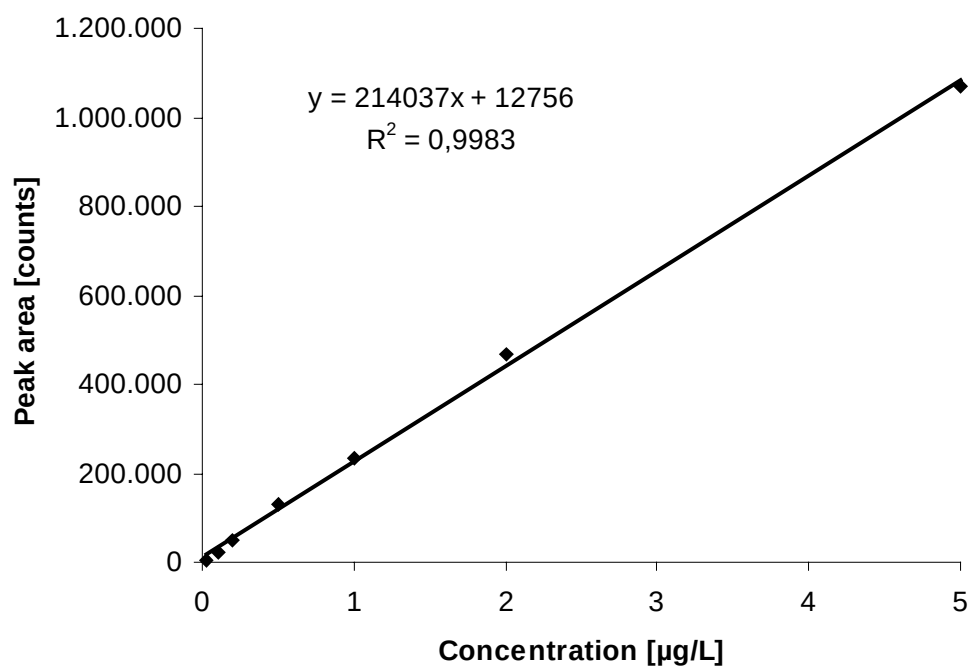
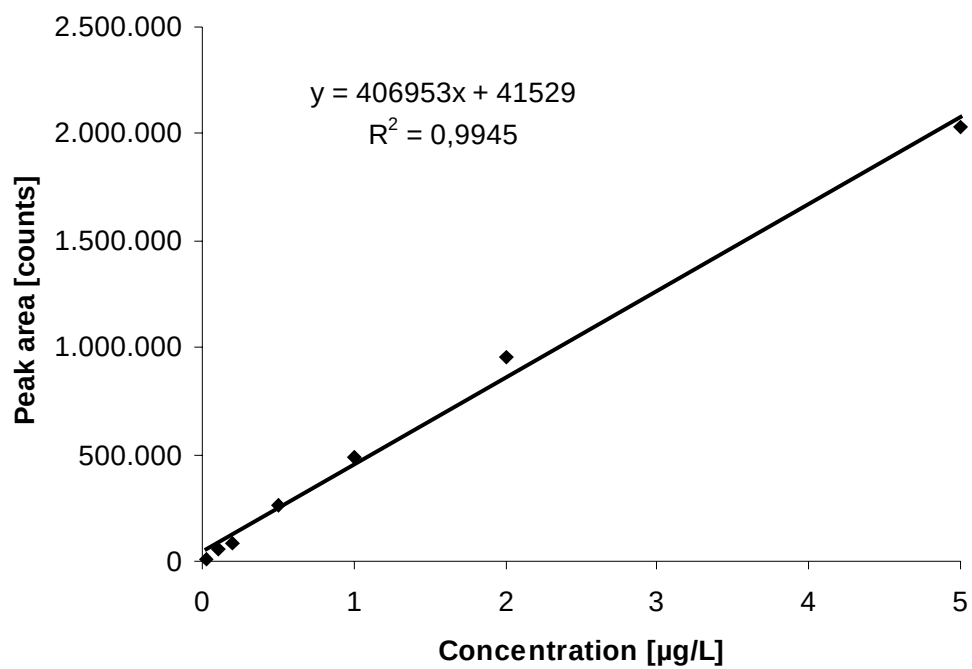
Thiamethoxam: 292→211**Thifensulfuron-methyl: 388→167**

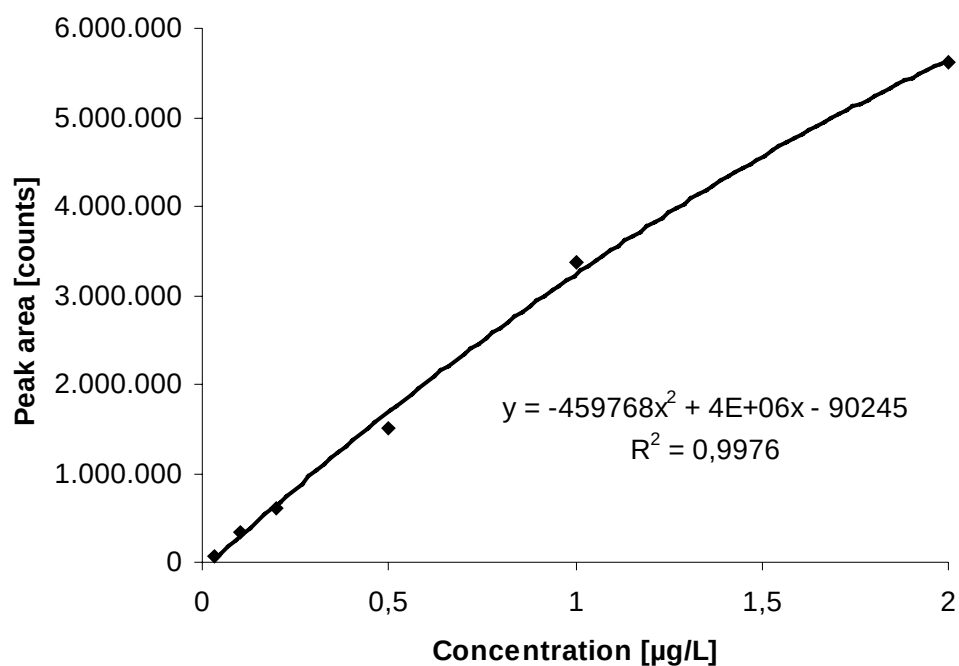
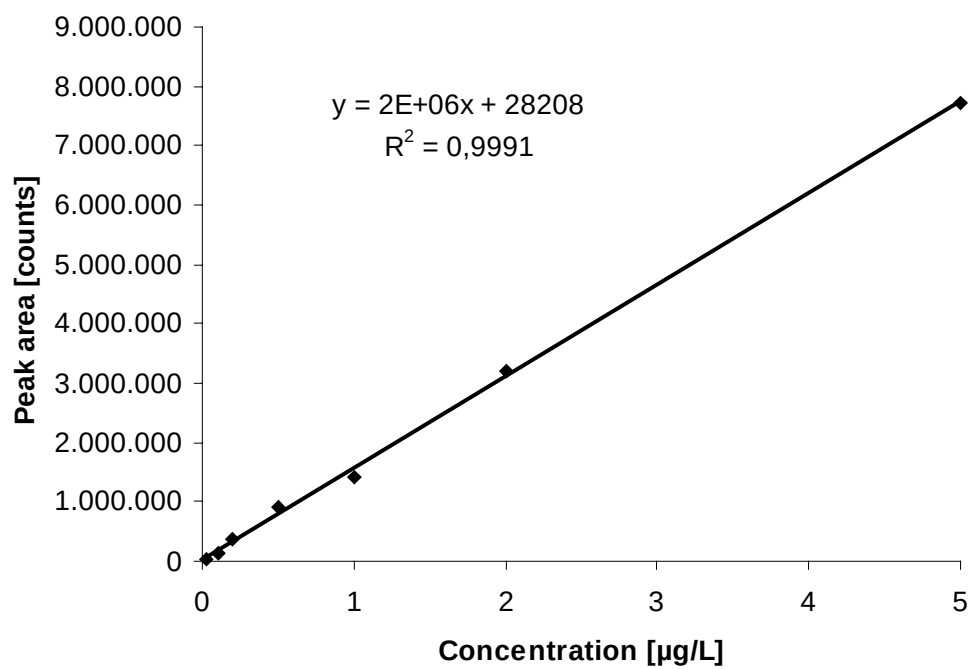
Thiodicarb: 355→88**Thiofanox: 219→57**

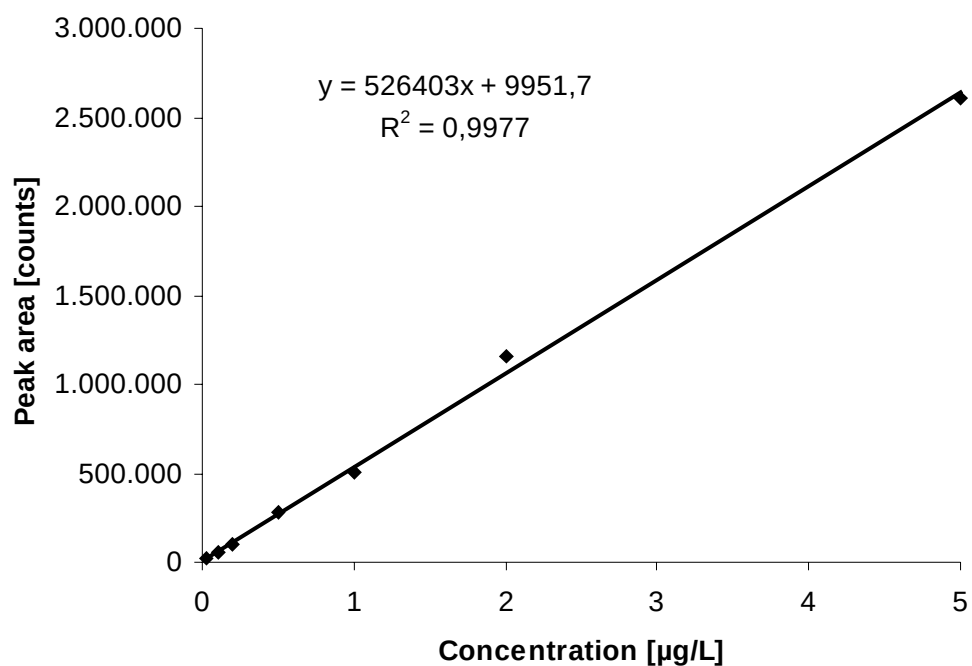
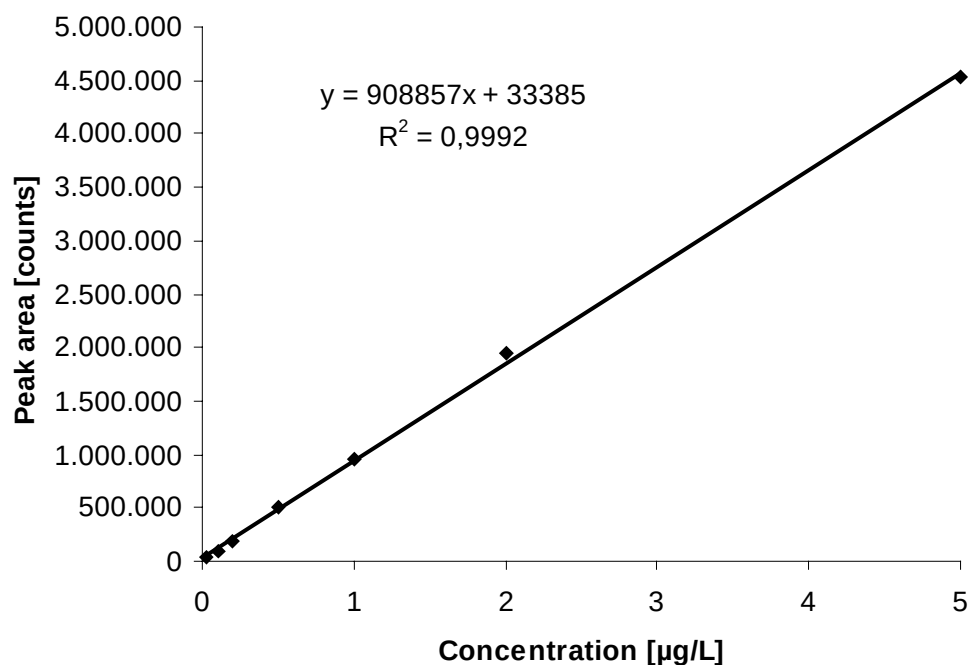
Thiofanox-sulfon: 268→57**Thiofanox-sulfoxid: 252→104**

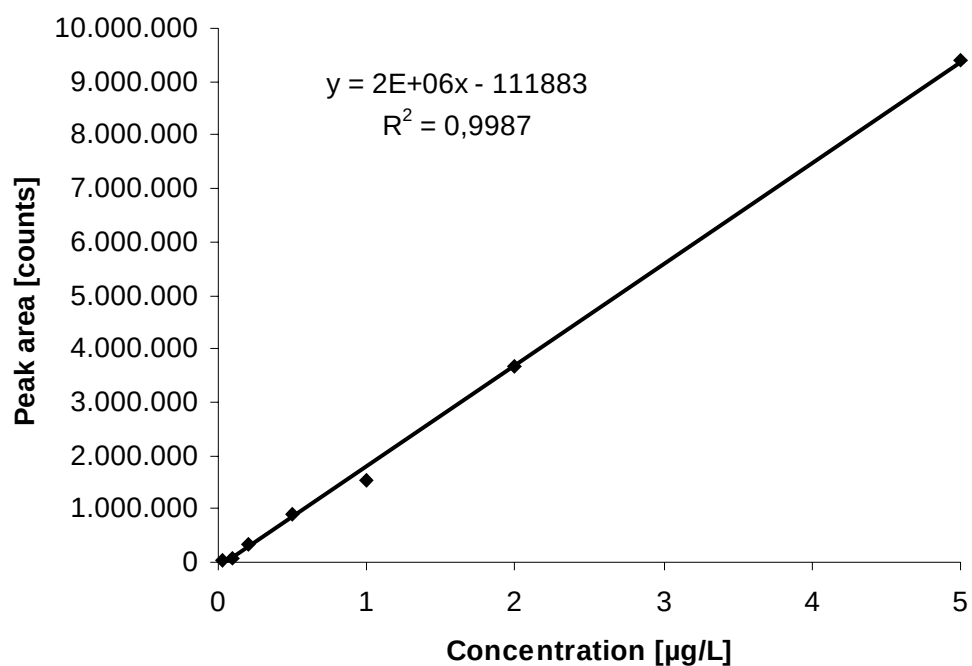
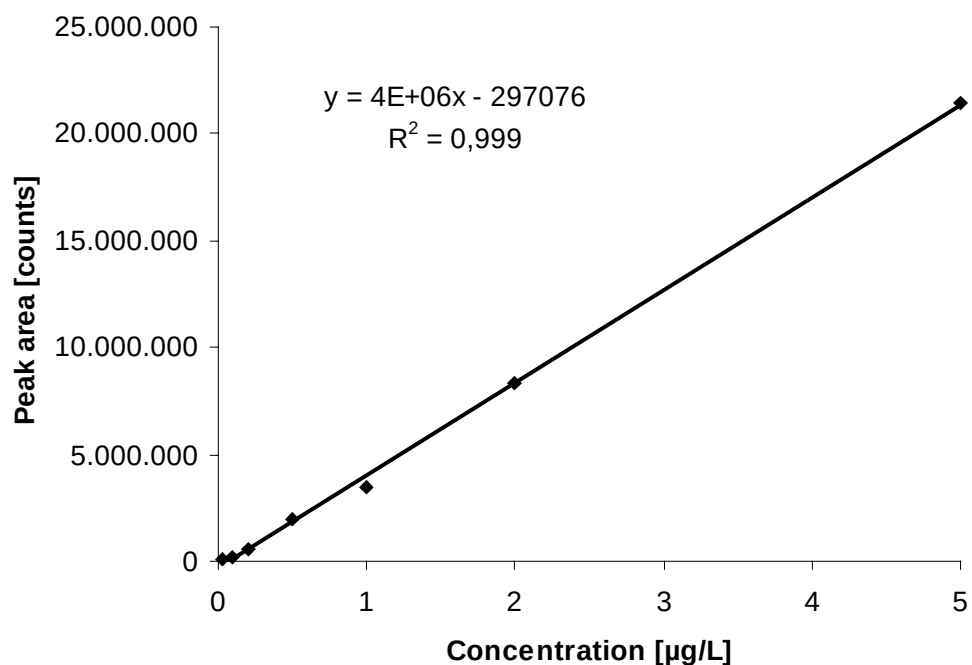
Thiophanate (-ethyl): 371→151**Thiophanat-methyl: 343→151**

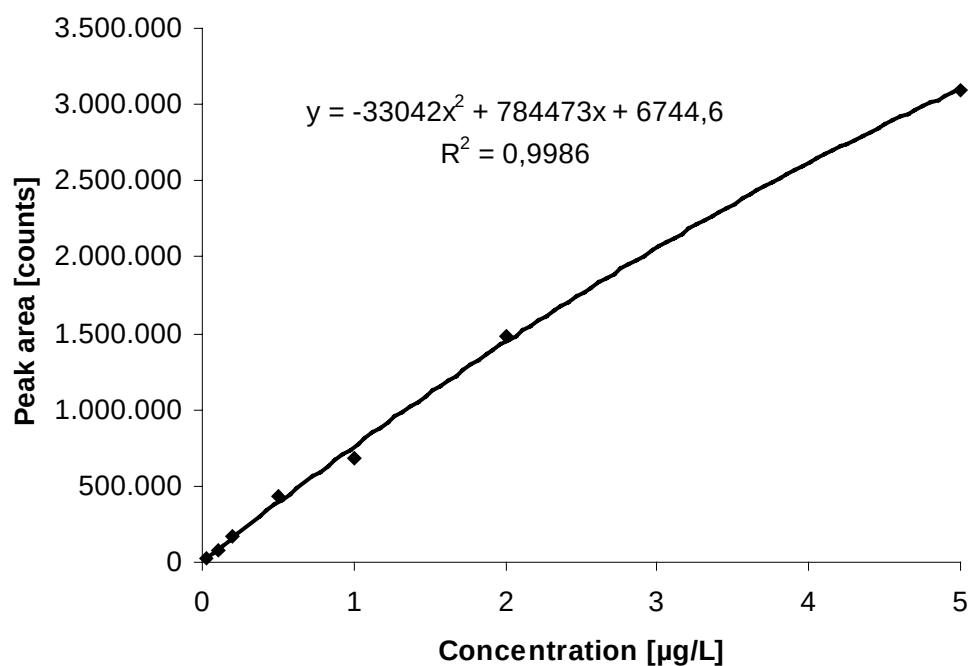
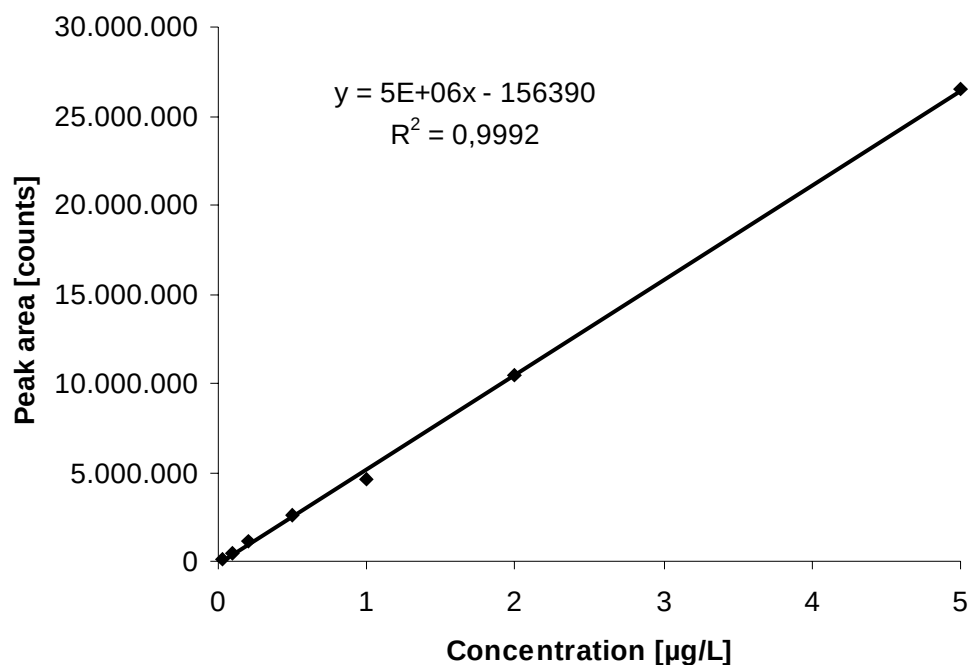
Tolclofos-methyl: 301→175**Triadimefon: 294→197**

Triadimenol: 296→70**Triasulfuron: 402→167**

Triazamate: 315→226**Triazophos: 314→162**

Tricyclazole: 190→163**Trietazine: 230→132**

Trifloxystrobin: 409→186**Triflumizole: 346→278**

Triticonazole: 318→70**Vamidothion: 288→146**

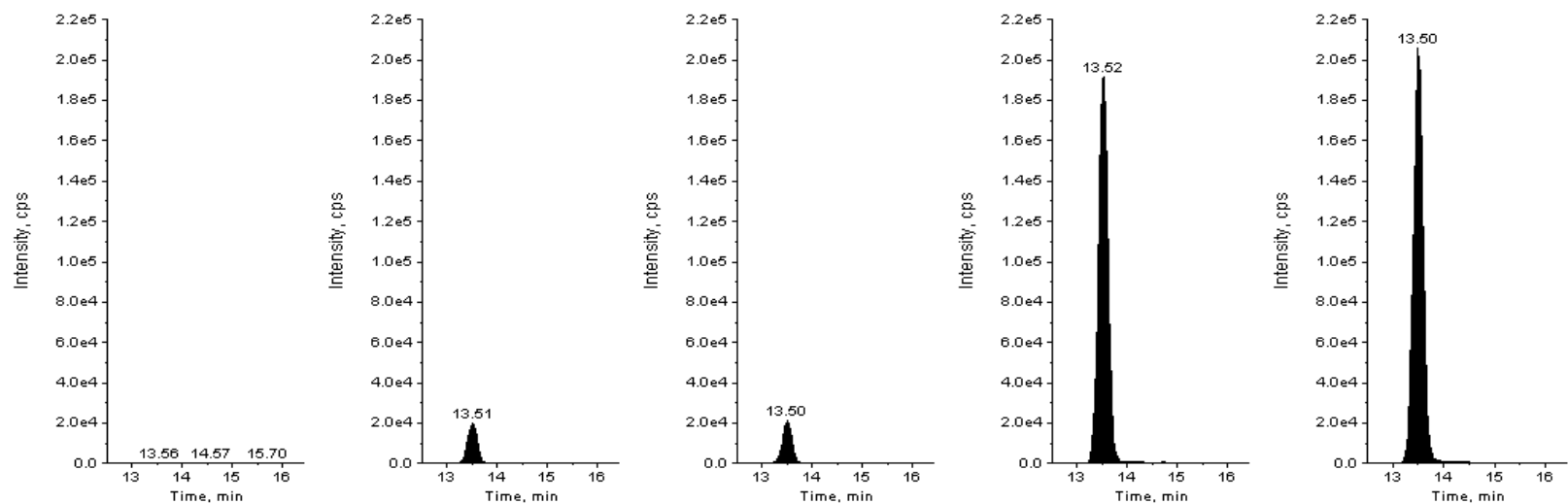


Figure: First MRM of 3,4,5-Trimethacarb: 194 amu → 137 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

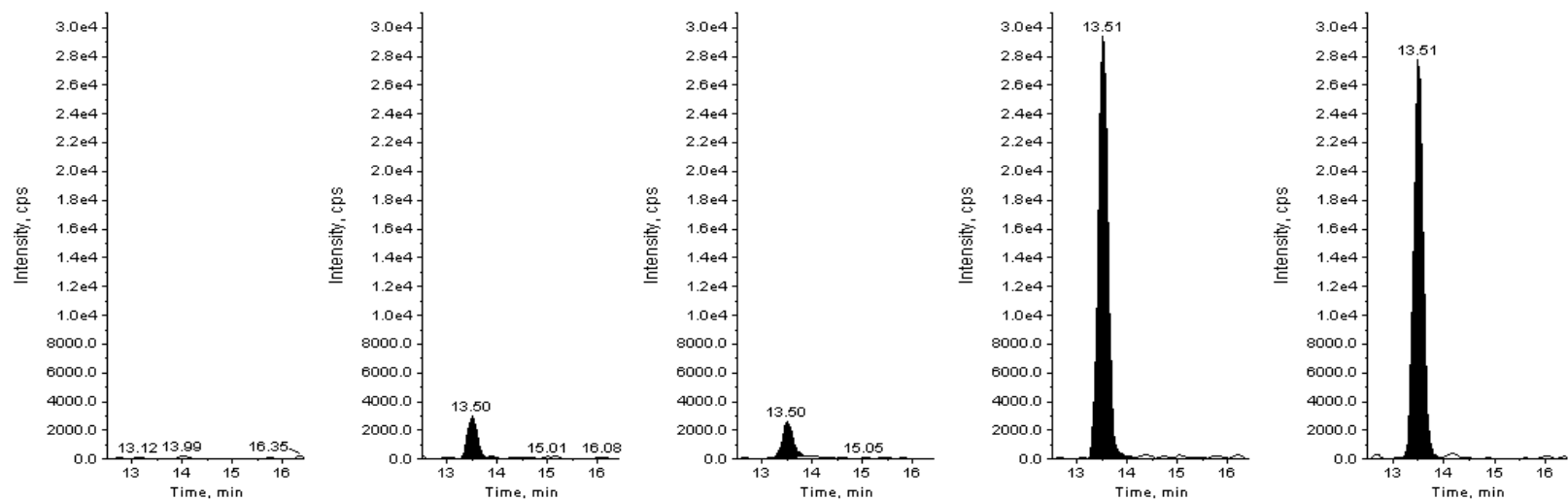


Figure: Second MRM of 3,4,5-Trimethacarb: 194 amu → 122 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

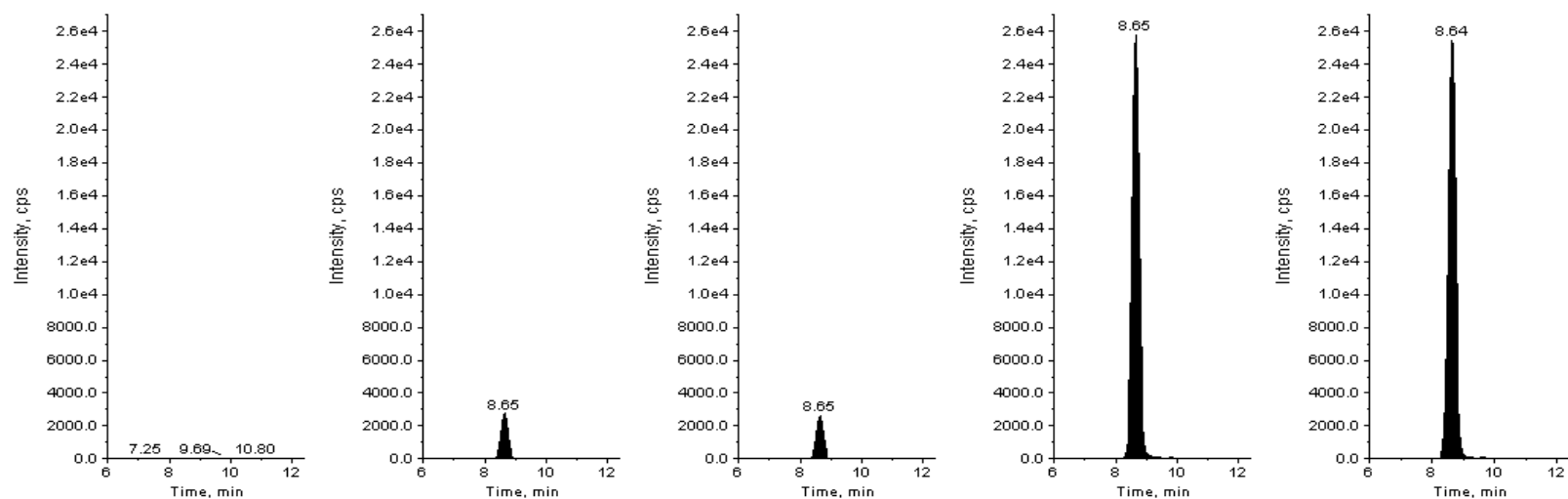


Figure: First MRM of 3-Hydroxycarbofuran: 238 amu $\rightarrow$ 181 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

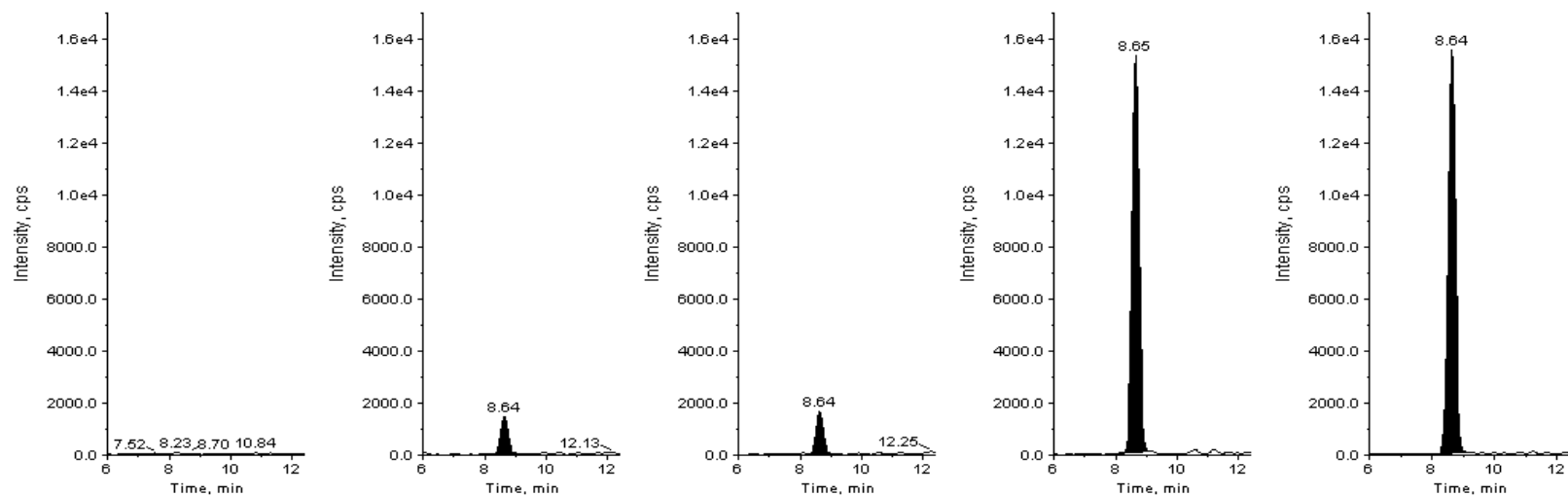


Figure: Second MRM of 3-Hydroxycarbofuran: 238 amu $\rightarrow$ 163 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

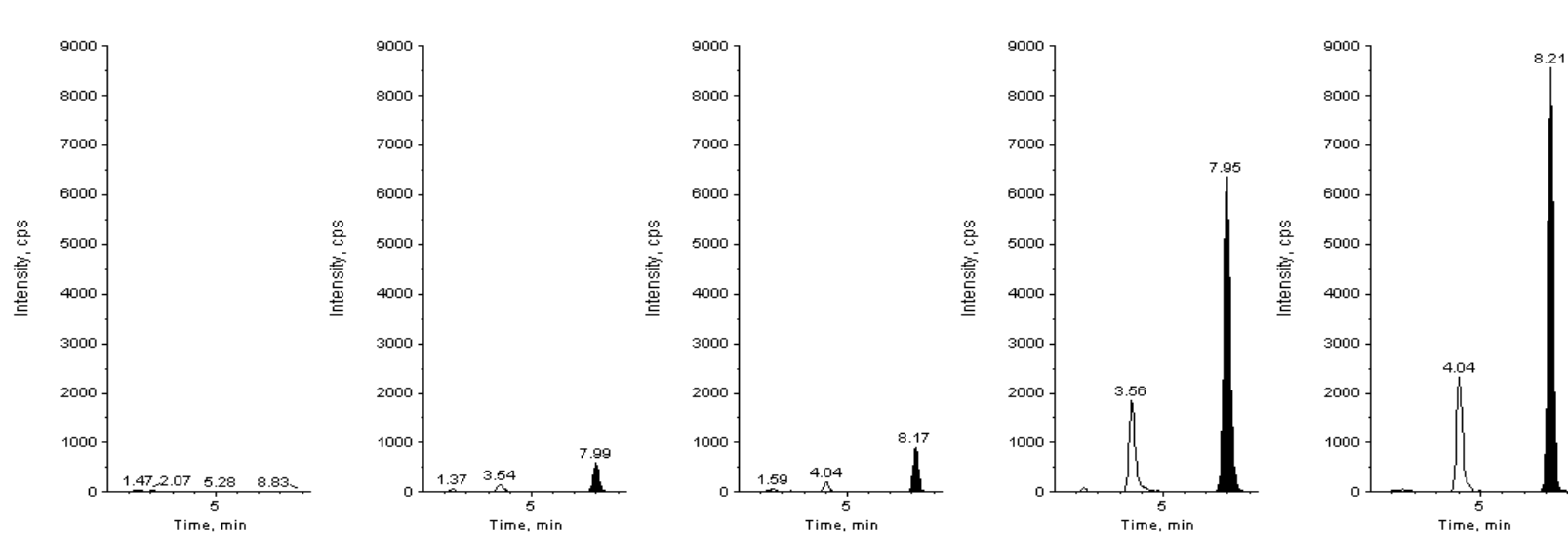


Figure: First MRM of 5-Hydroxy-clethodim-sulfon: 408 amu $\rightarrow$ 204 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

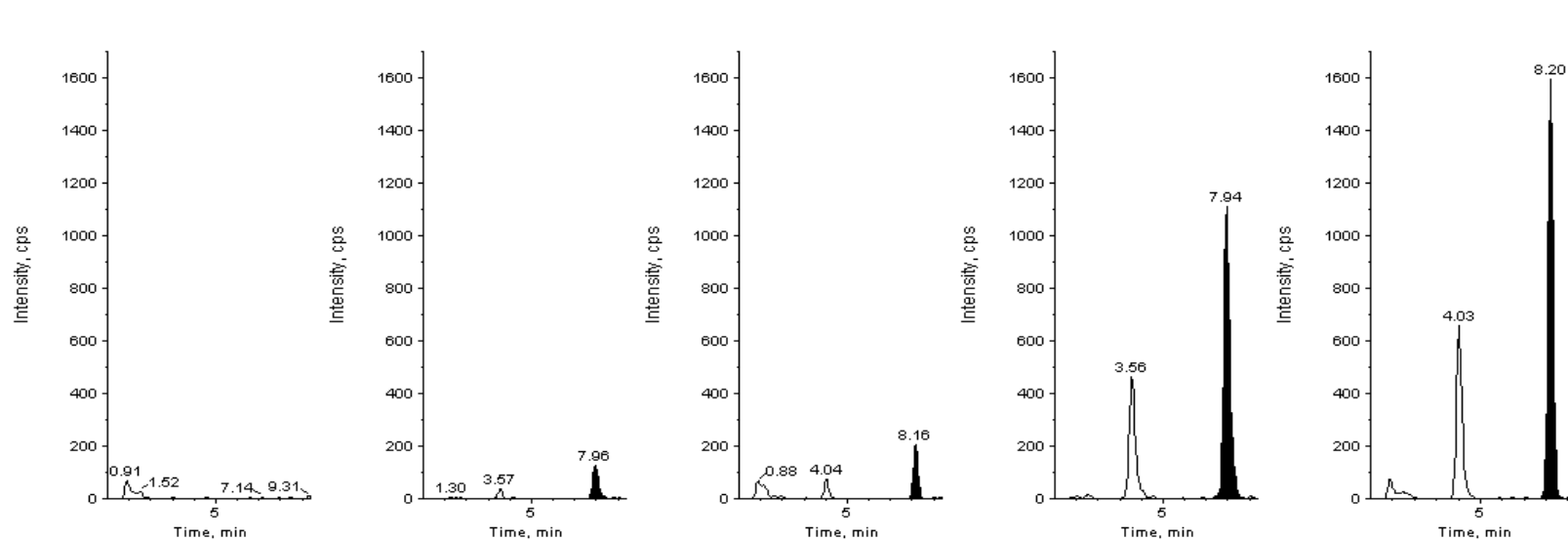


Figure: Second MRM of 5-Hydroxy-clethodim-sulfon: 408 amu $\rightarrow$ 176 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

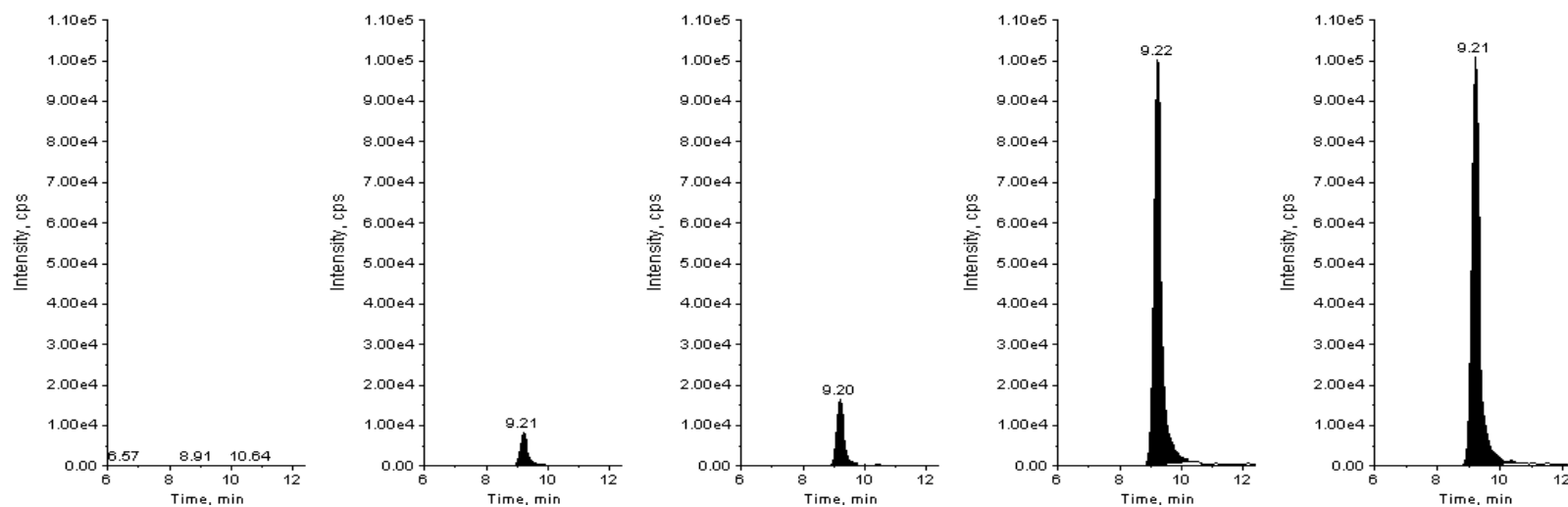


Figure: First MRM of 5-Hydroxy-thiabendazol: 218 amu $\rightarrow$ 191 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

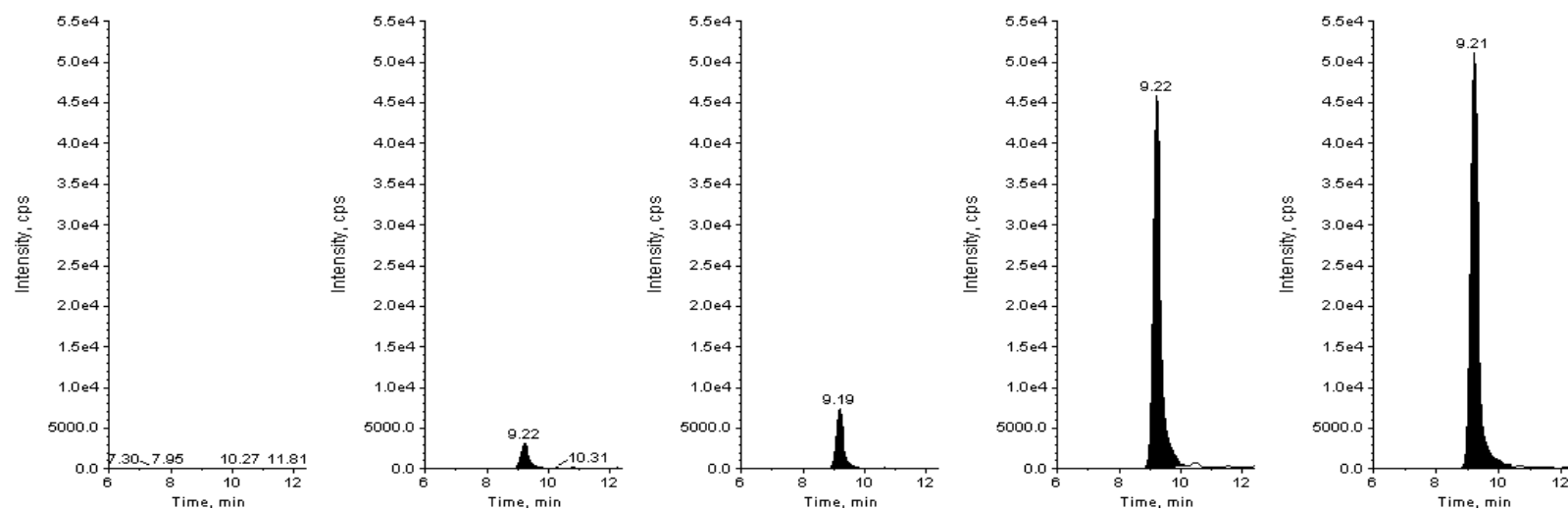


Figure: Second MRM of 5-Hydroxy-thiabendazol: 218 amu $\rightarrow$ 147 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

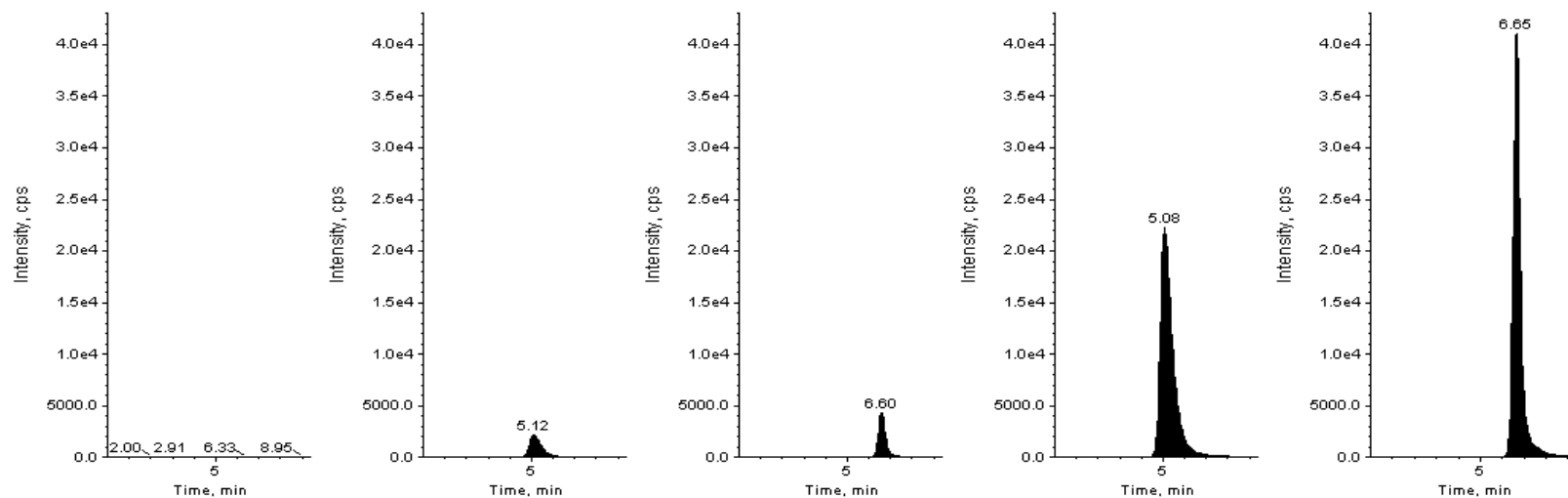


Figure: First MRM of 6-Chlor-3-phenyl-pyridazin-4-ol (Pyridate-Metabolite): 207 amu $\rightarrow$ 104 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

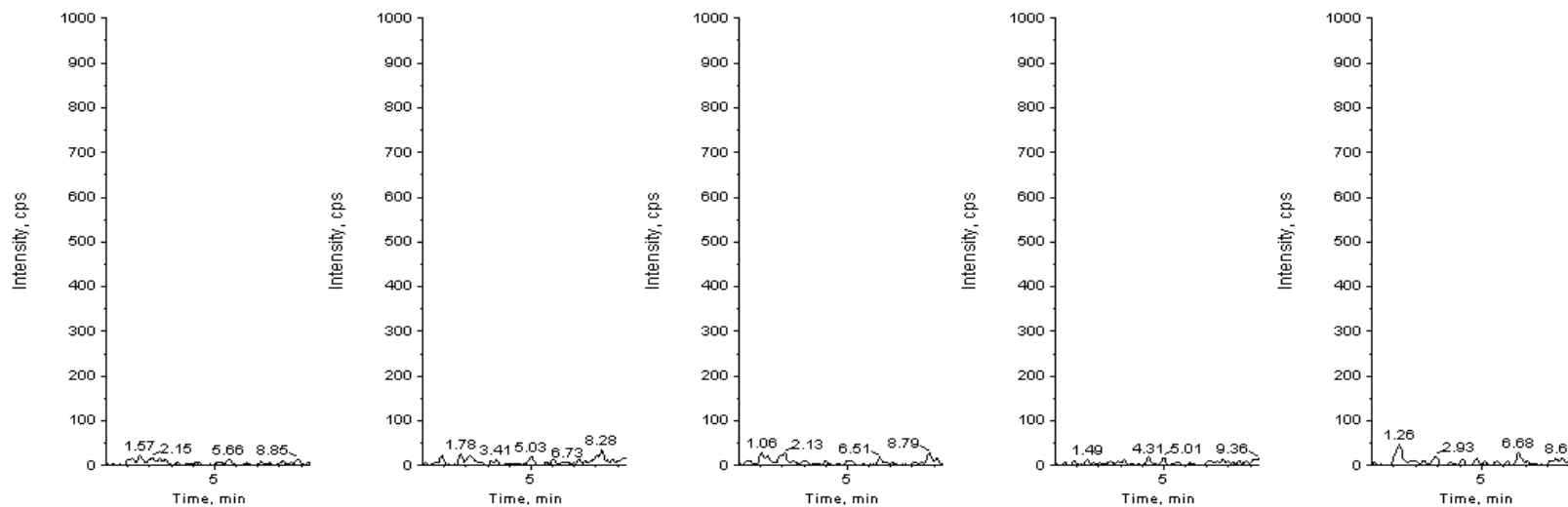


Figure: Second MRM of 6-Chlor-3-phenyl-pyridazin-4-ol (Pyridate-Metabolite): 207 amu $\rightarrow$ 77 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

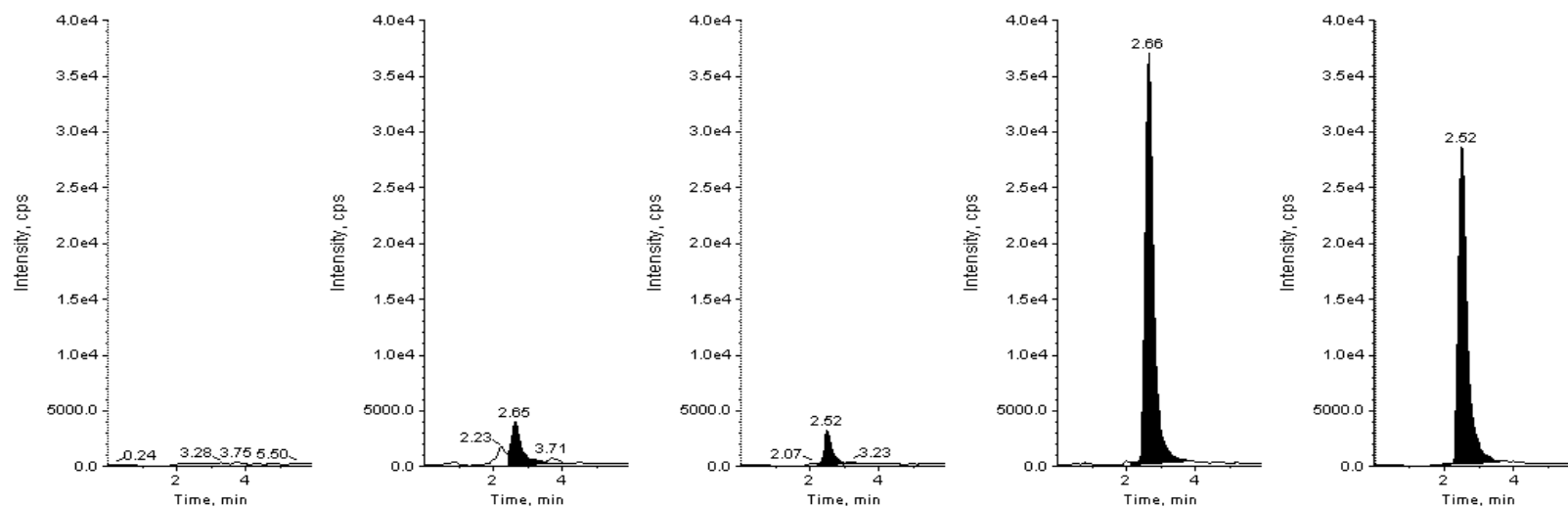


Figure: First MRM of Acephate: 184 amu $\rightarrow$ 125 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

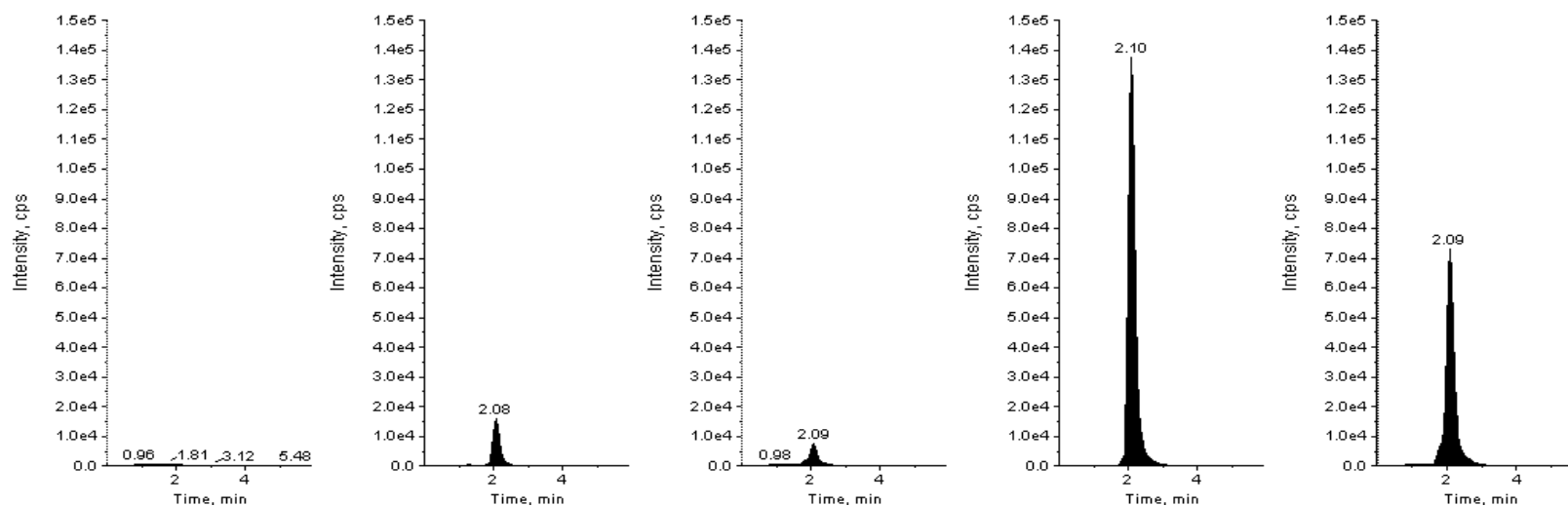


Figure: Second MRM of Acephate: 184 amu $\rightarrow$ 143 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

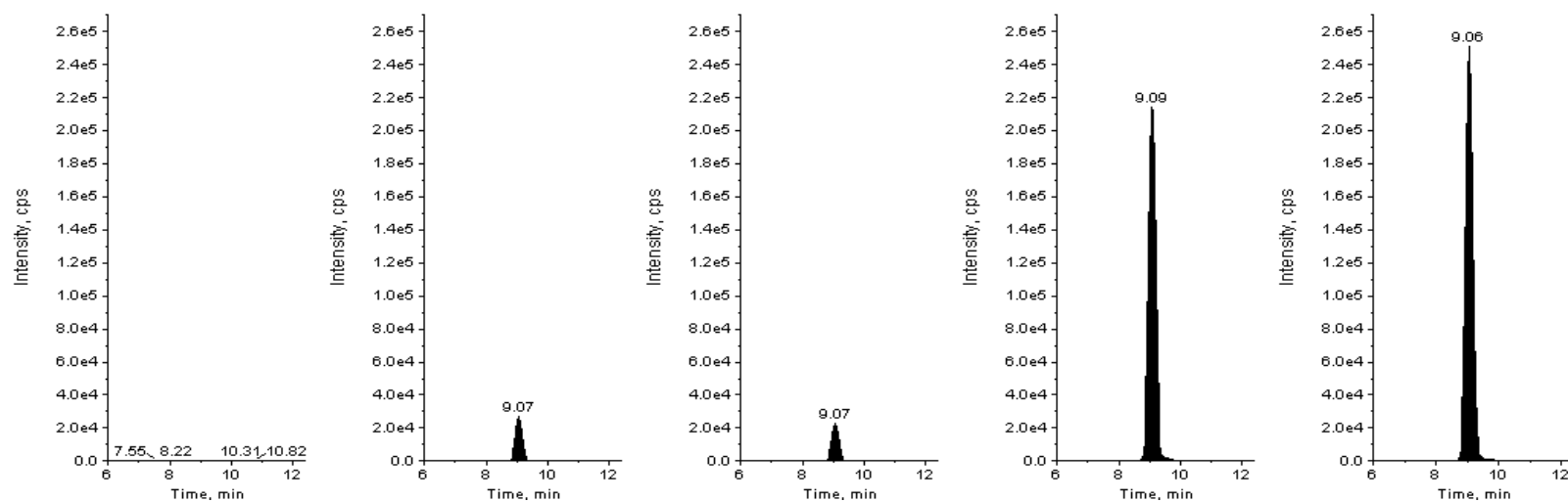


Figure: First MRM of Acetamidrid: 223 amu $\rightarrow$ 126 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

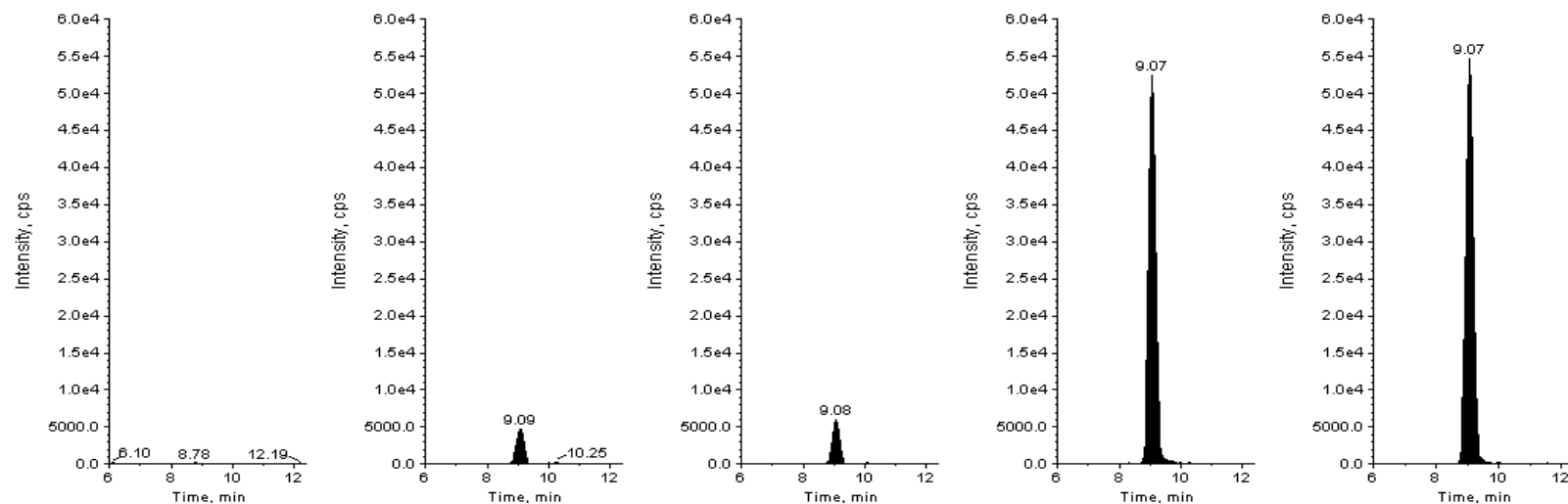


Figure: Second MRM of Acetamidrid: 223 amu $\rightarrow$ 90 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

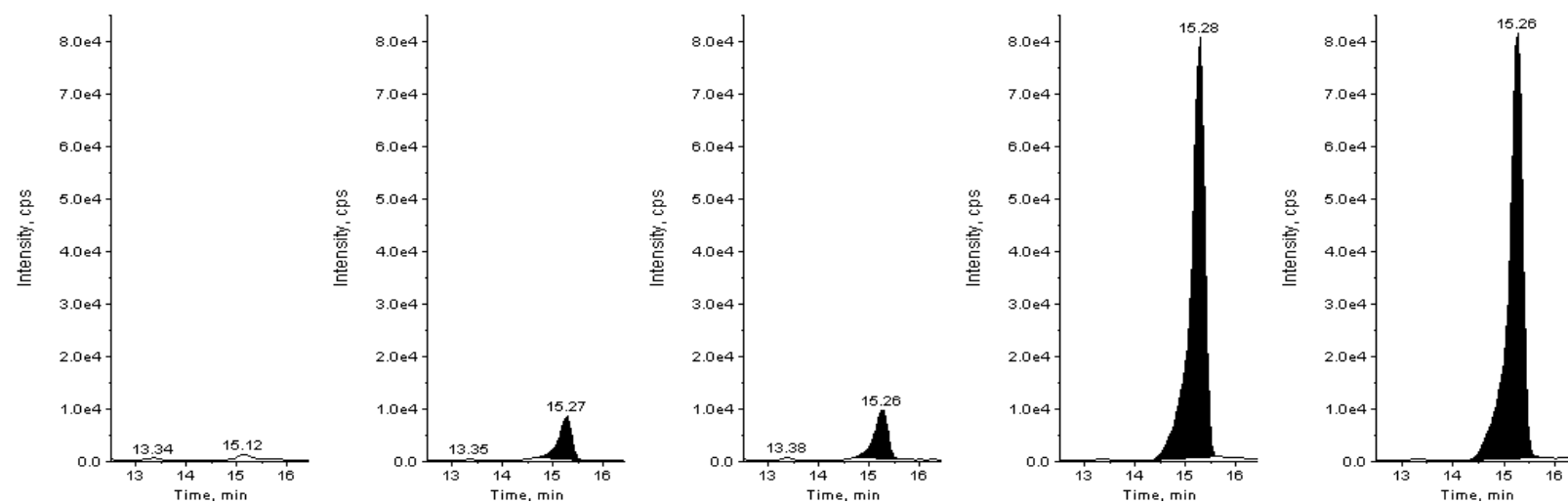


Figure: First MRM of Alachlor: 270 amu $\rightarrow$ 238 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

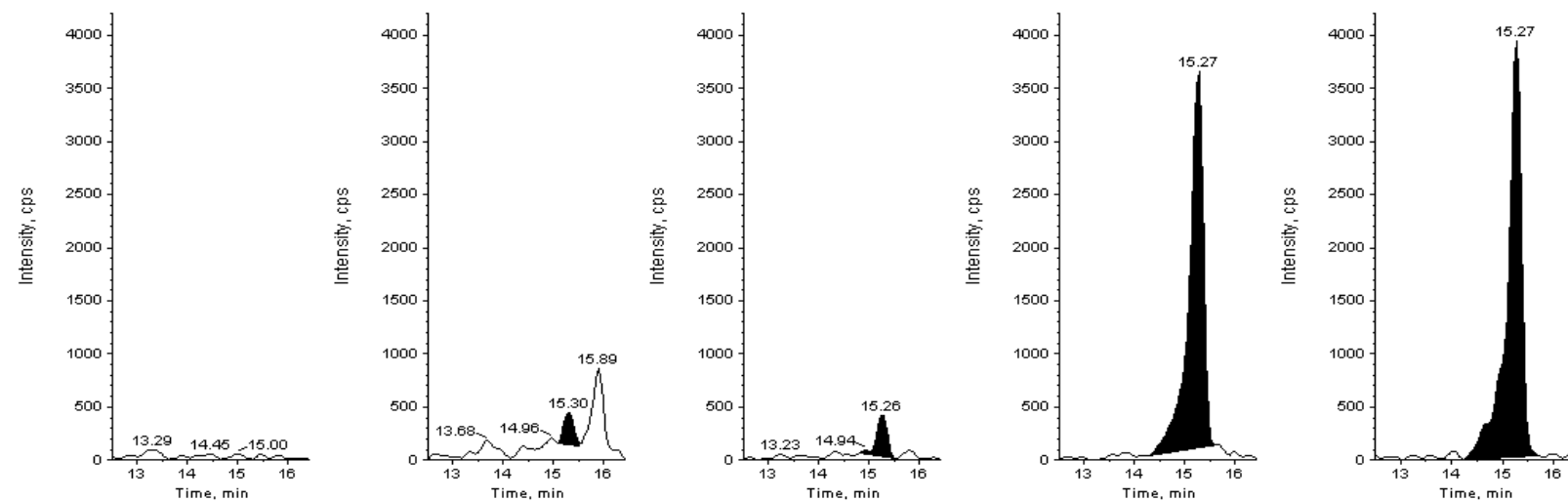


Figure: Second MRM of Alachlor: 270 amu $\rightarrow$ 162 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

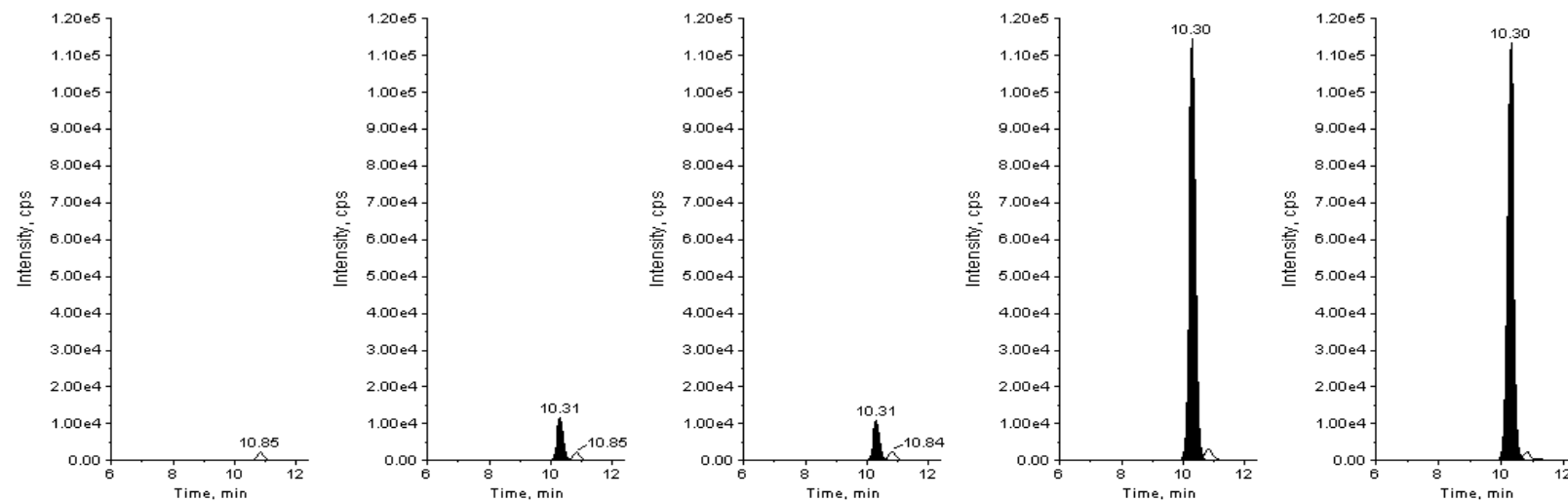


Figure: First MRM of Aldicarb: 208 amu → 89 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

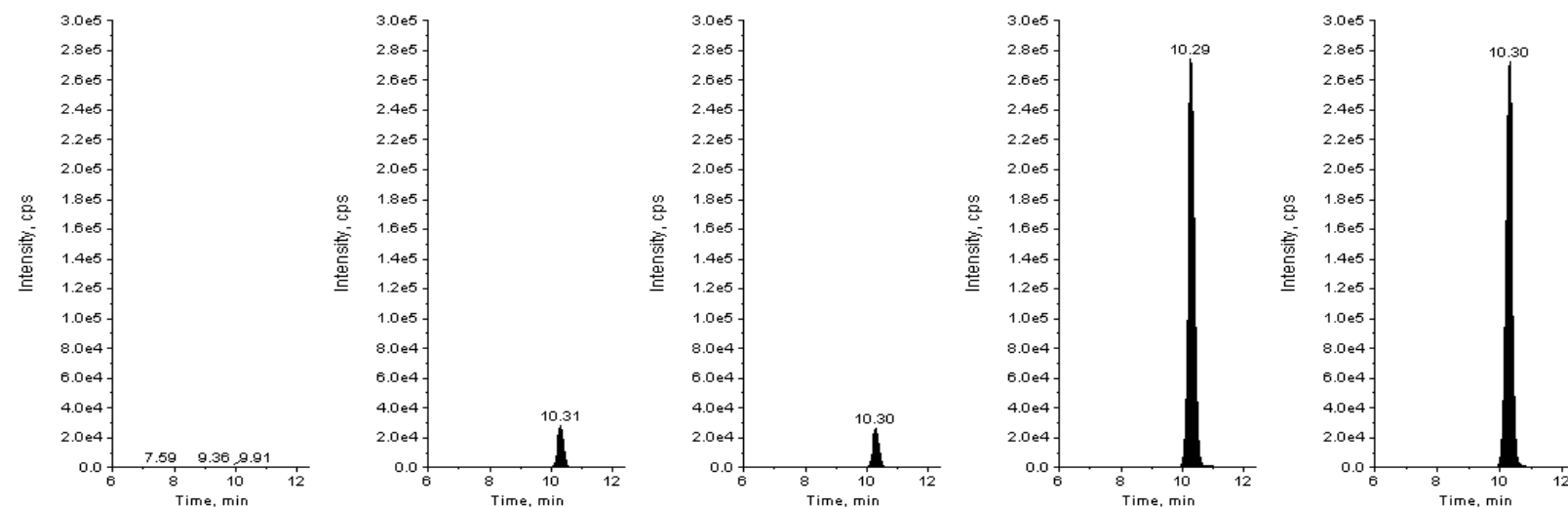


Figure: Second MRM of Aldicarb: 208 amu → 116 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

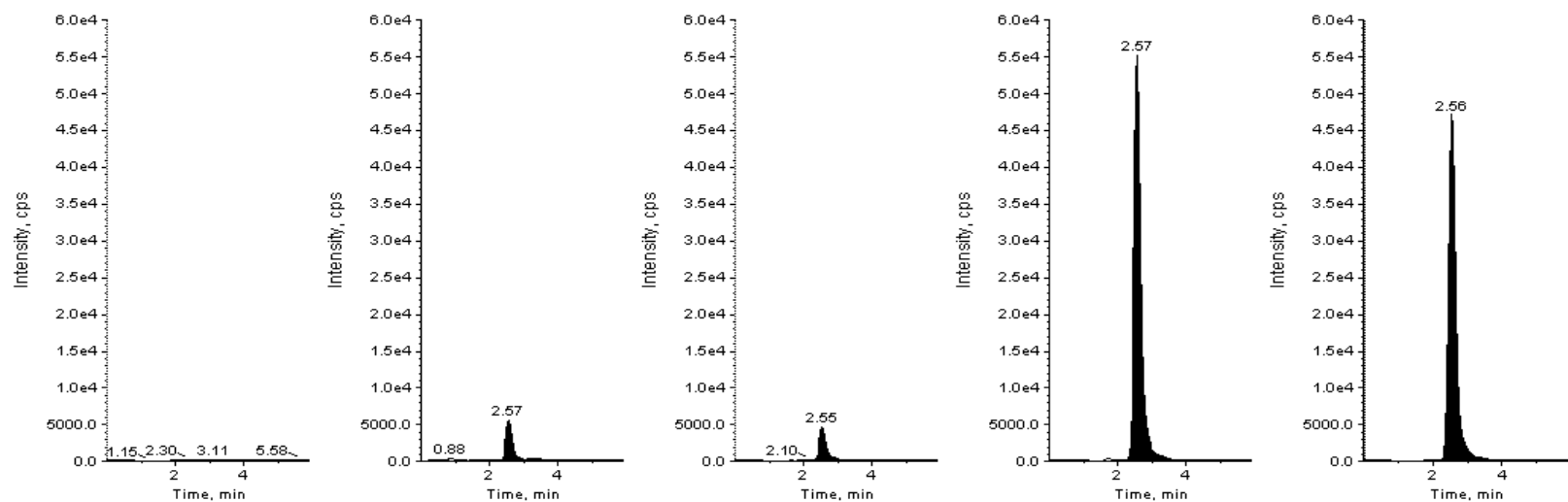


Figure: First MRM of Aldicarb-sulfoxid: 207 amu → 89 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

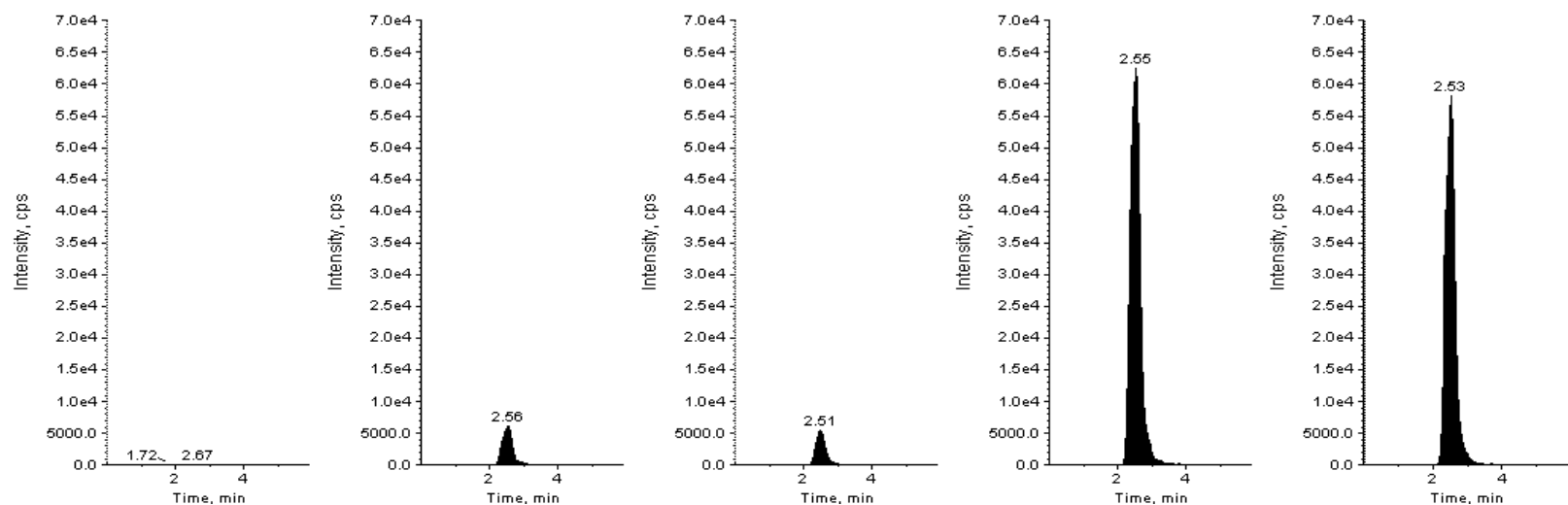


Figure: Second MRM of Aldicarb-sulfoxid: 207 amu → 132 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

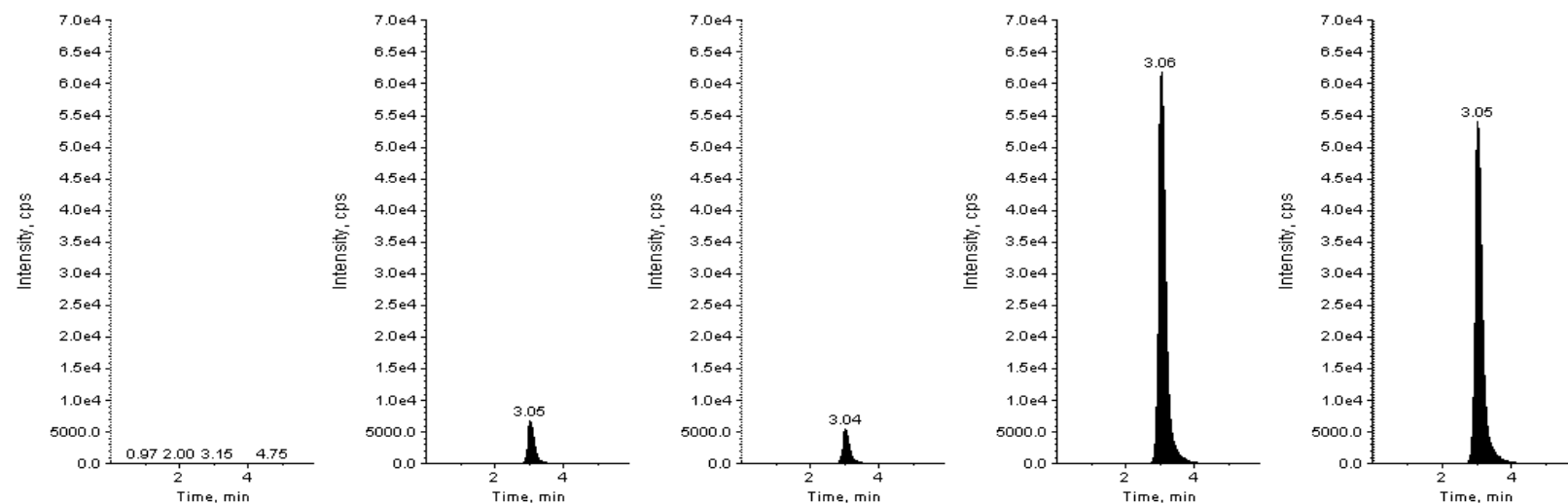


Figure: First MRM of Aldoxycarb: 240 amu → 148 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

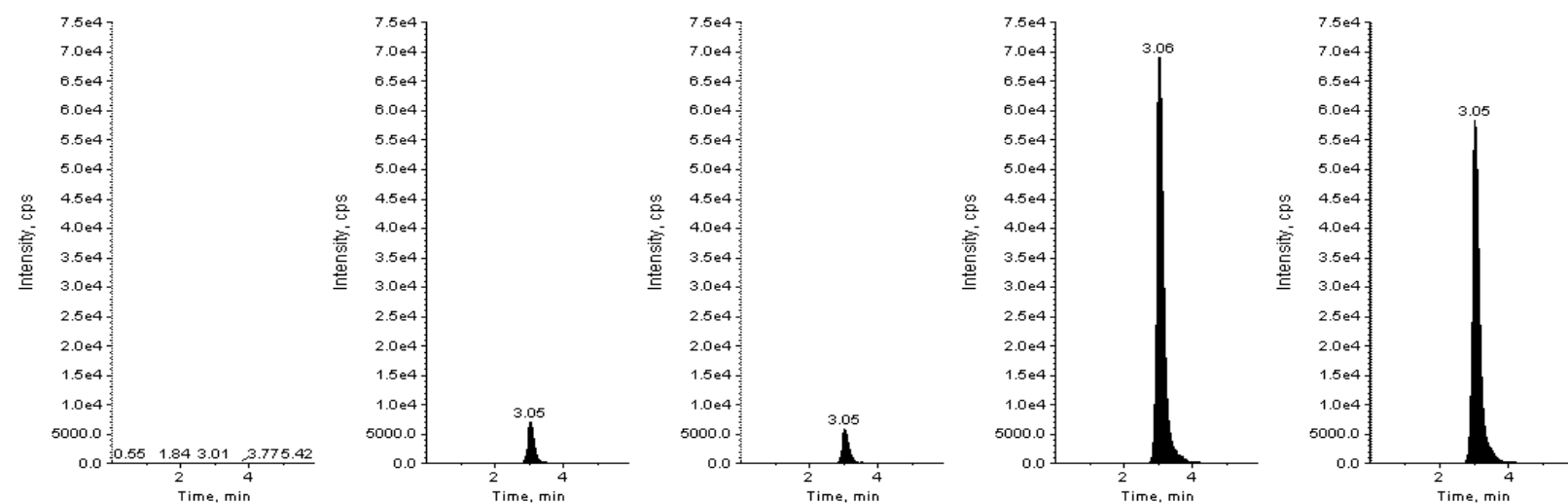


Figure: Second MRM of Aldoxycarb: 240 amu → 86 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

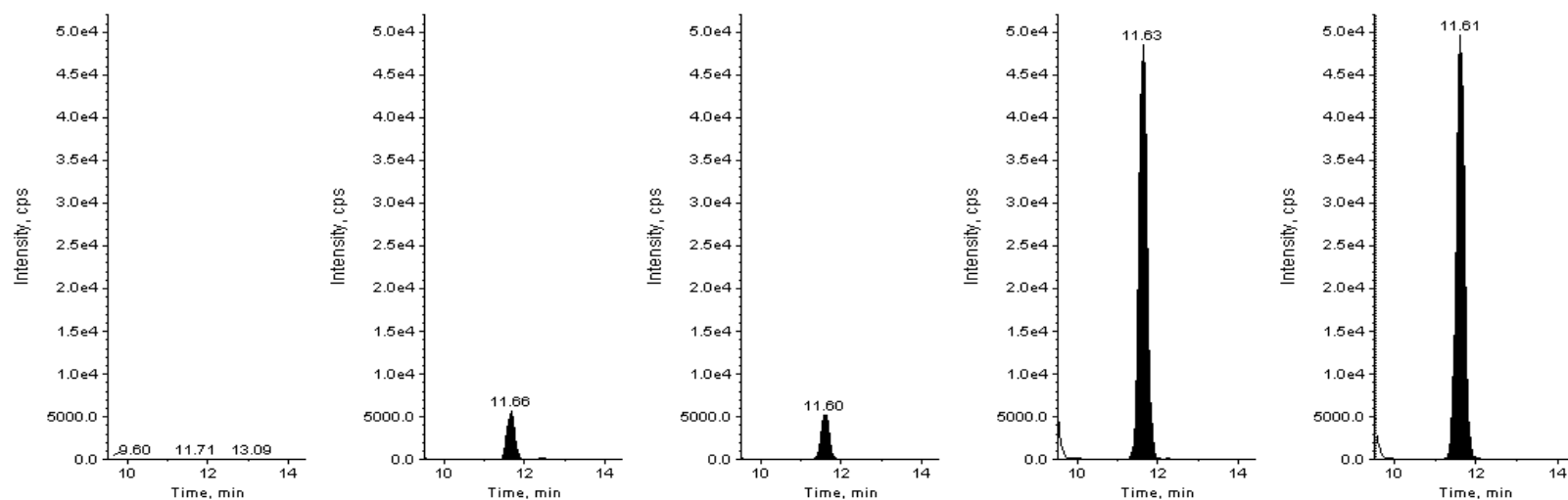


Figure: First MRM of Alloxymid: 324 amu $\rightarrow$ 178 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

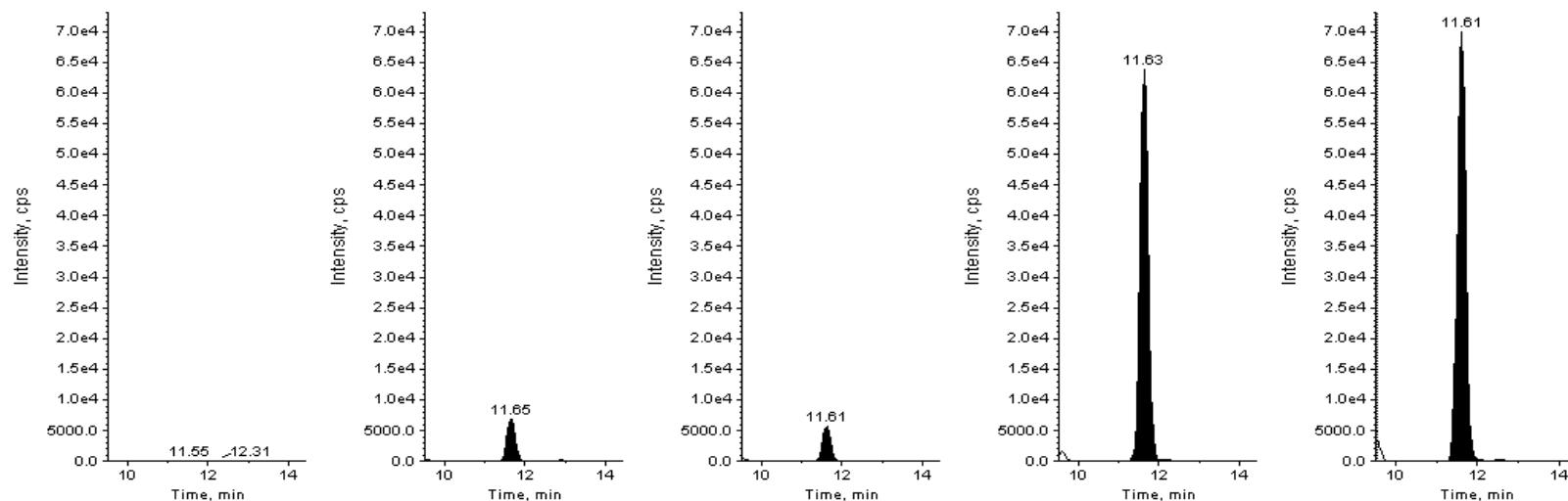


Figure: Second MRM of Alloxymid: 324 amu $\rightarrow$ 234 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

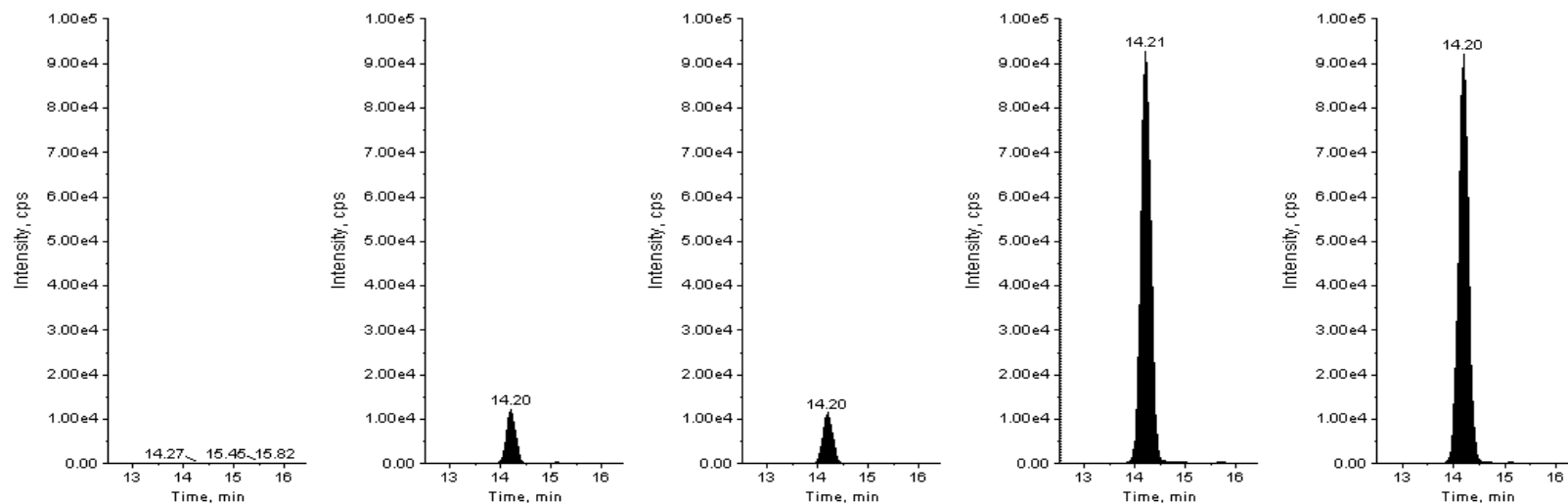


Figure: First MRM of Ametryn: 228 amu $\rightarrow$ 186 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

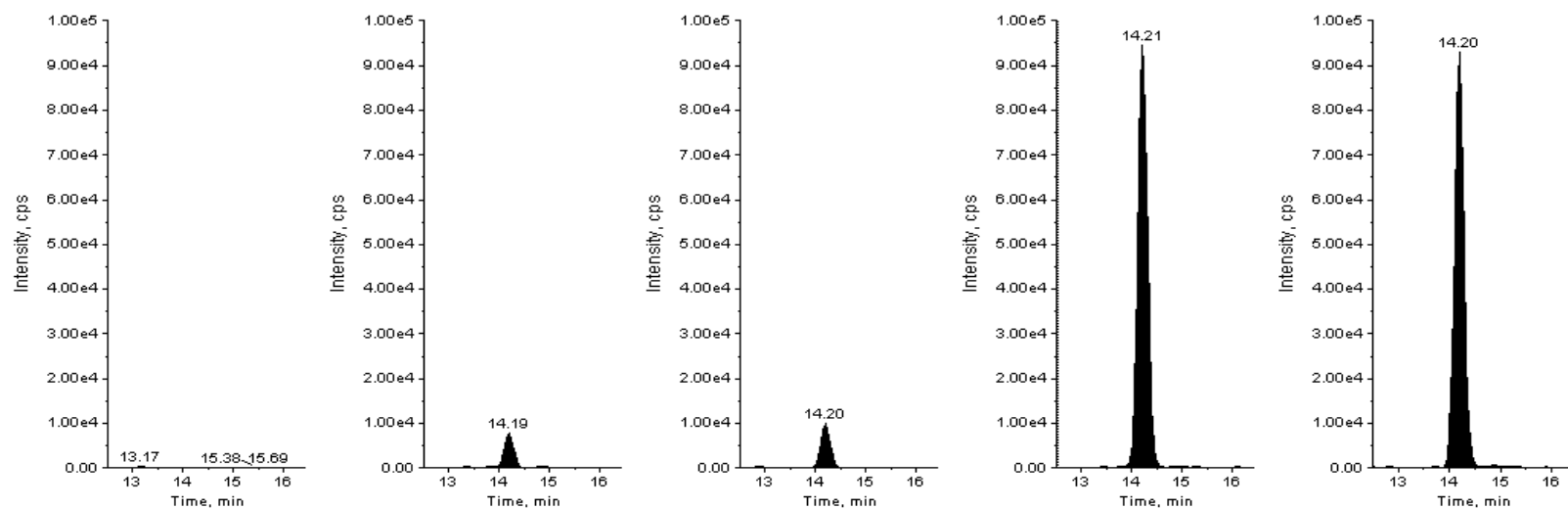


Figure: Second MRM of Ametryn: 228 amu $\rightarrow$ 96 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

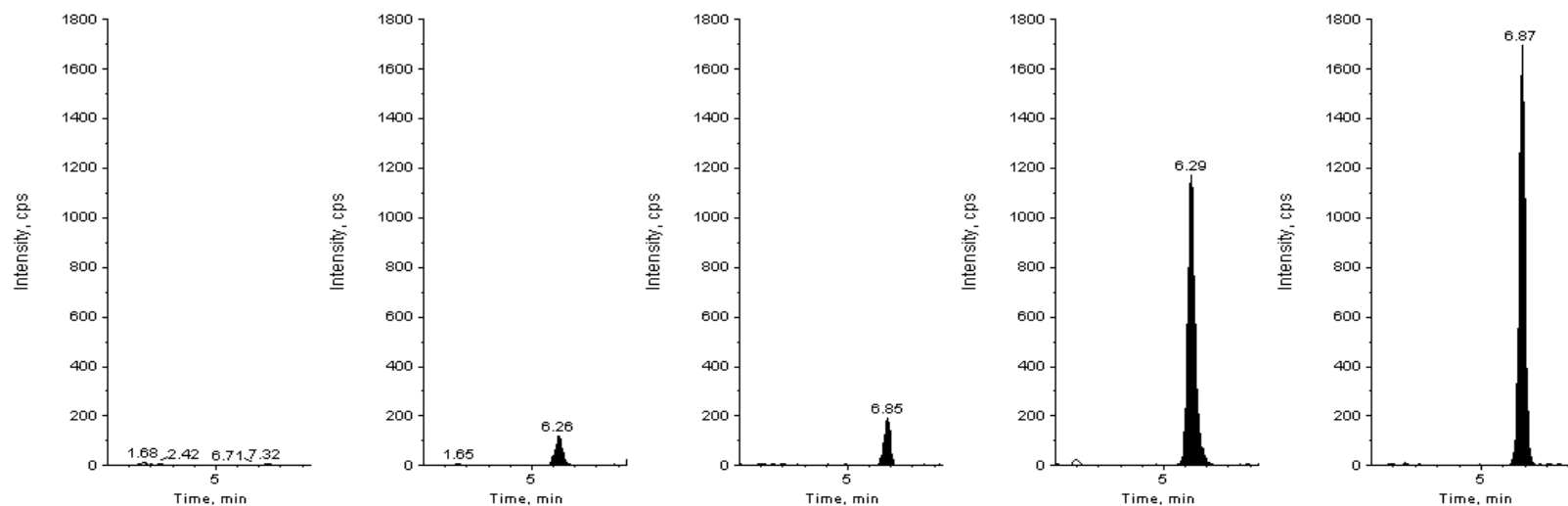


Figure: First MRM of Amidosulfuron: 370 amu → 218 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

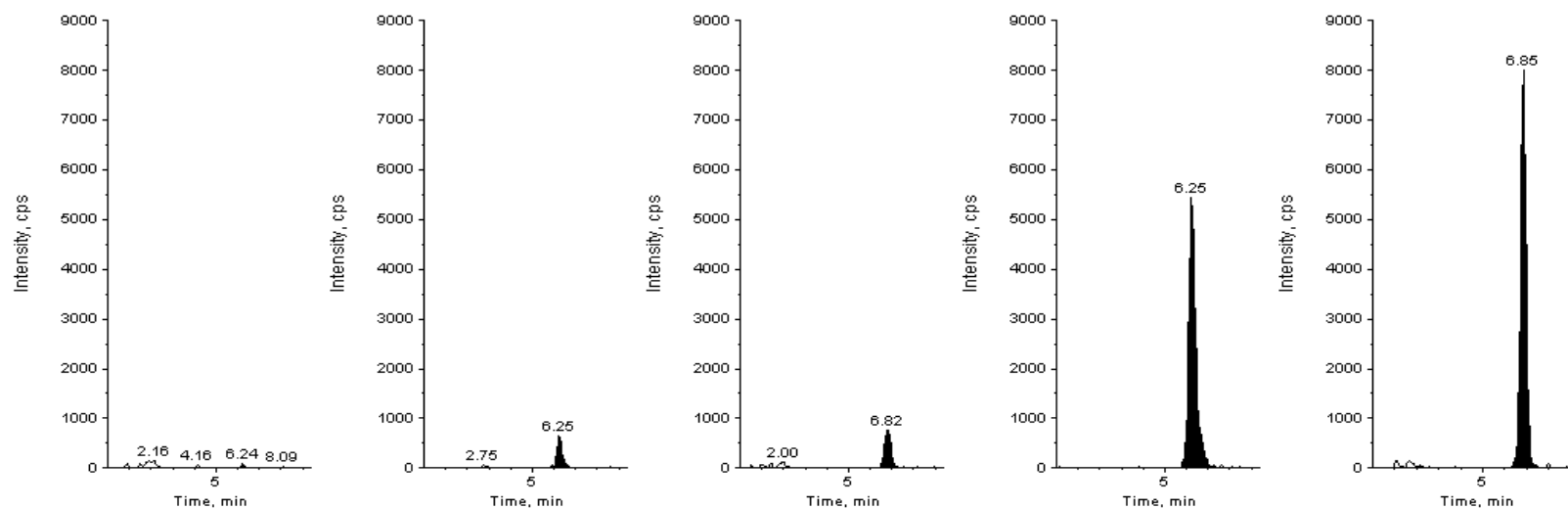


Figure: Second MRM of Amidosulfuron: 370 amu → 261 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

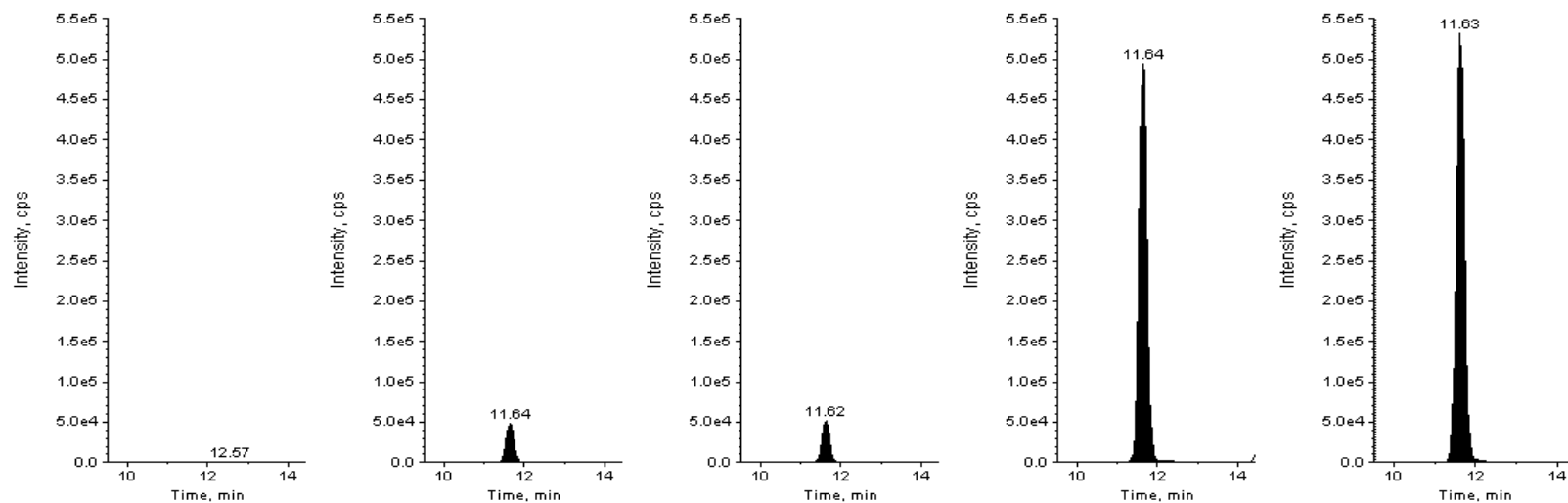


Figure: First MRM of Aminocarb: 209 amu $\rightarrow$ 152 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

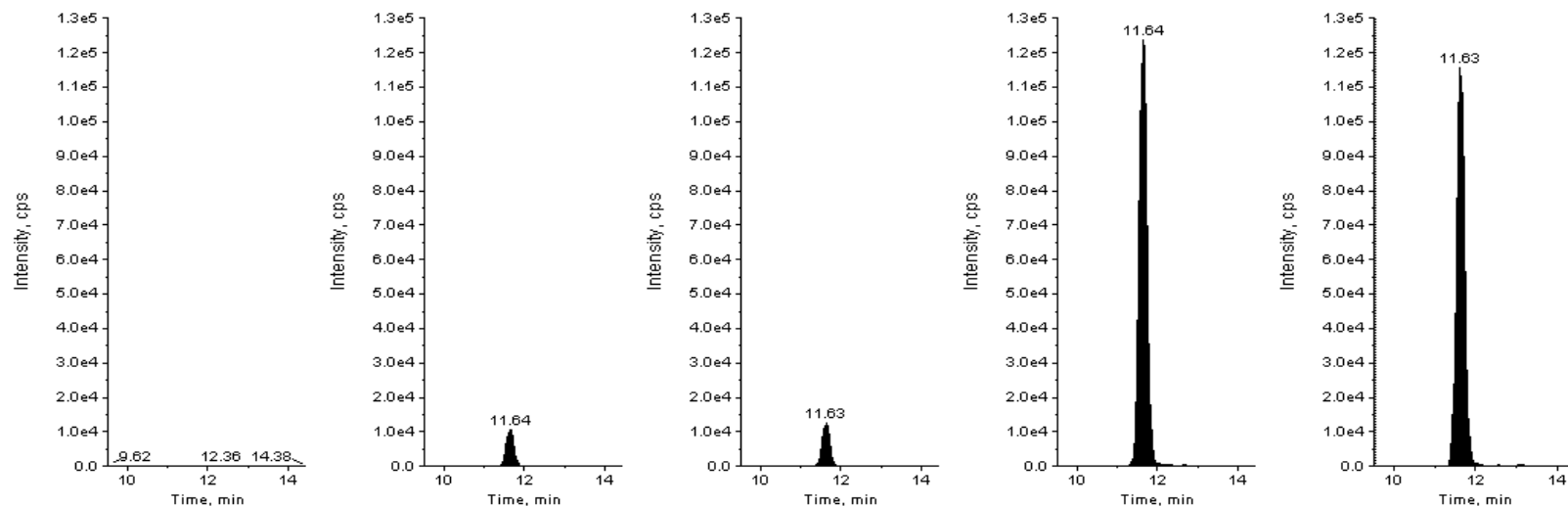


Figure: Second MRM of Aminocarb: 209 amu $\rightarrow$ 137 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

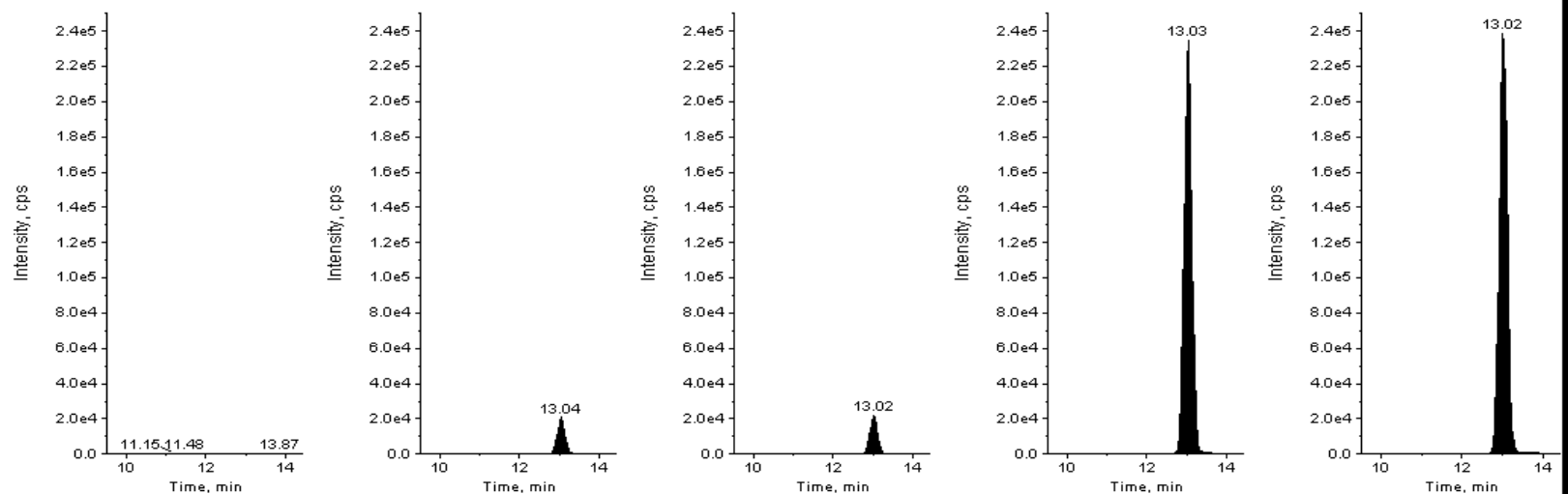


Figure: First MRM of Atrazin: 216 amu → 174 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

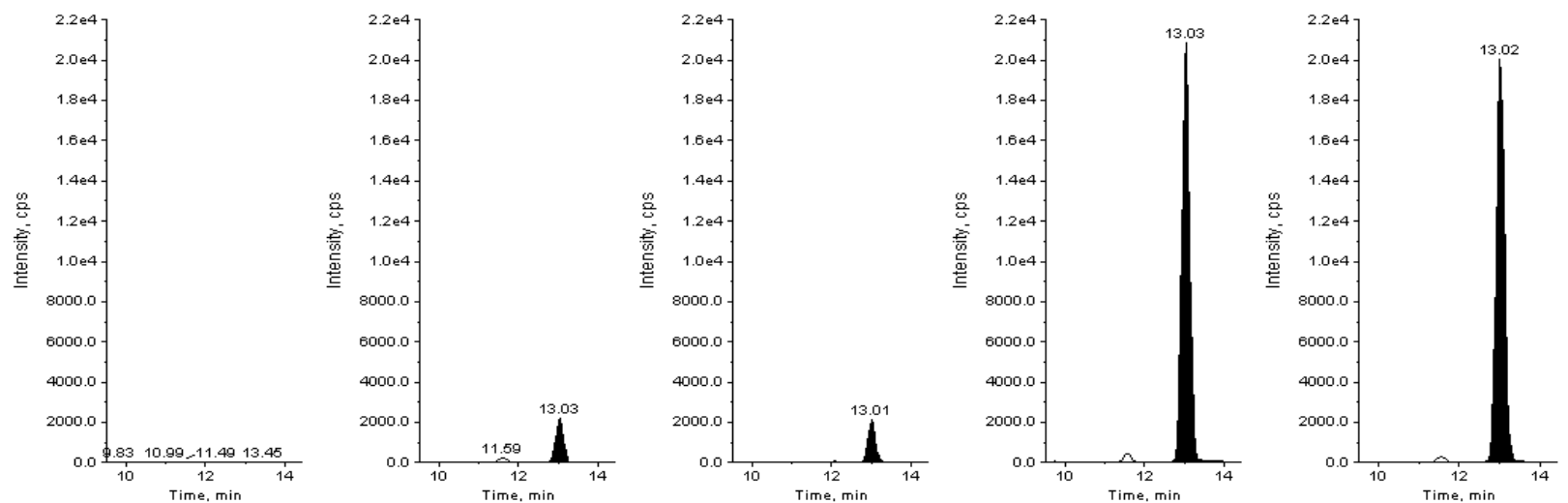


Figure: Second MRM of Atrazin: 216 amu → 104 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

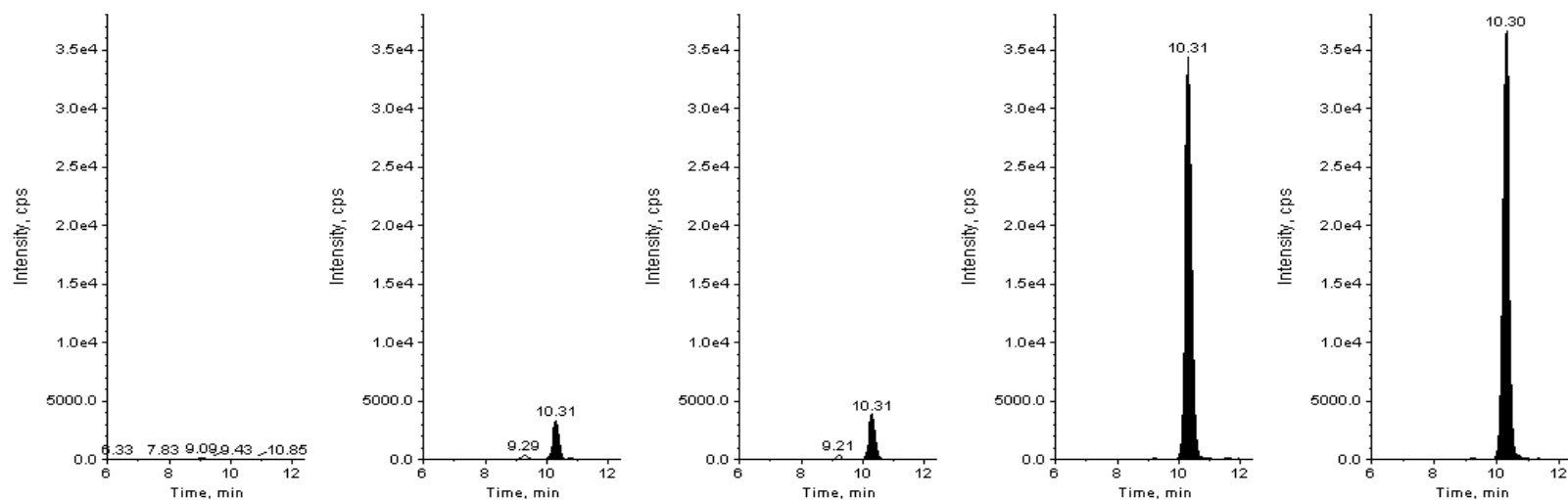


Figure: First MRM of Atrazine-2-hydroxy: 198 amu → 69 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

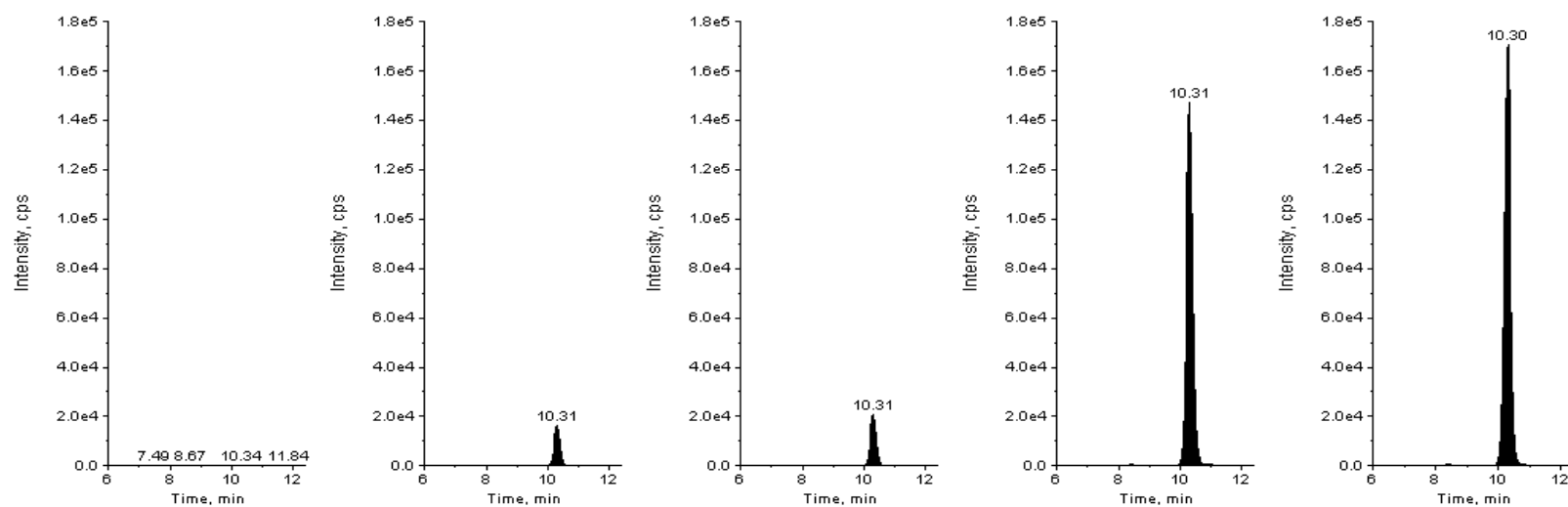


Figure: Second MRM of Atrazine-2-hydroxy: 198 amu → 156 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

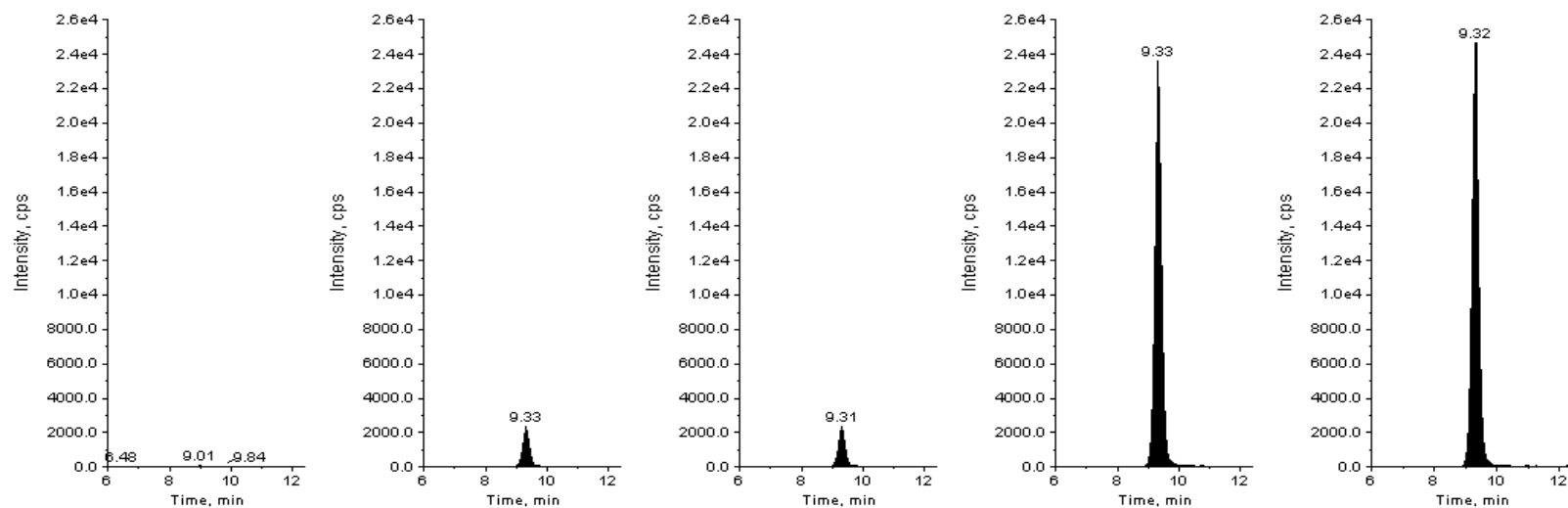


Figure: First MRM of Atrazine-desethyl: 188 amu → 104 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

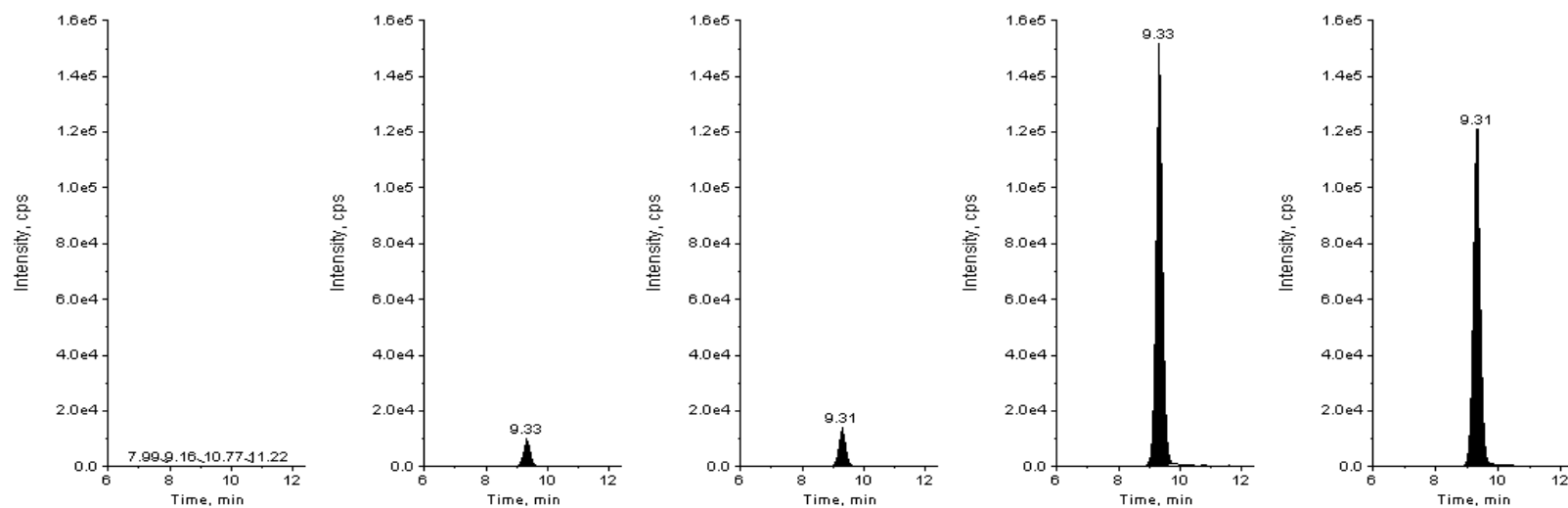


Figure: Second MRM of Atrazine-desethyl: 188 amu → 146 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

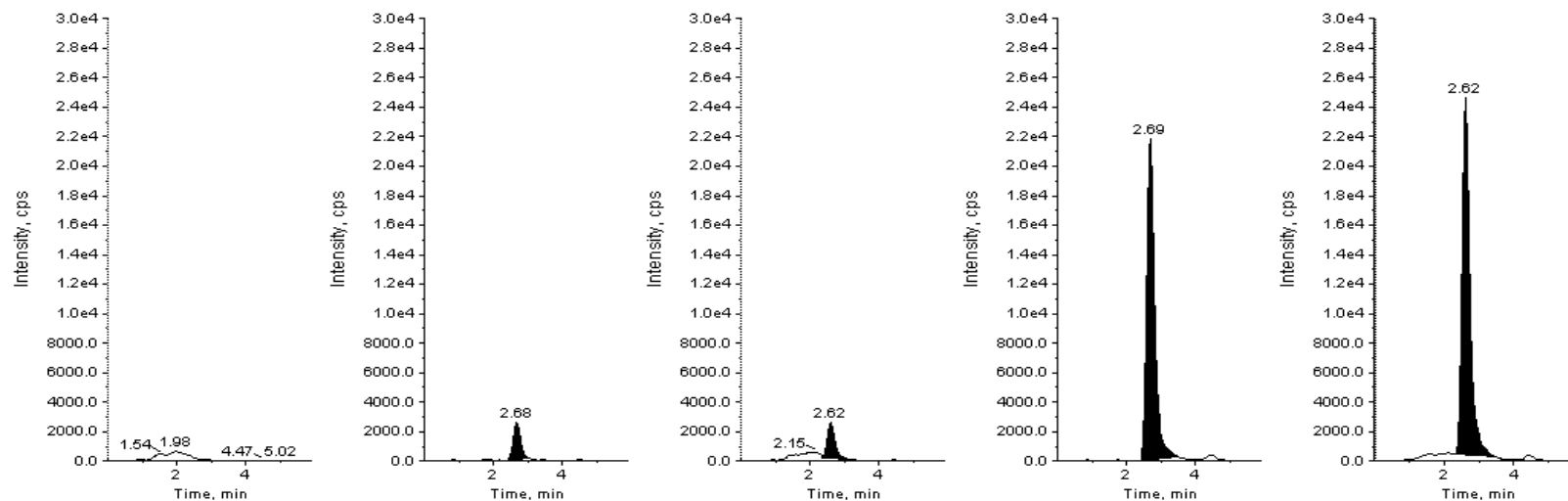


Figure: First MRM of Atrazine-desethyl-2-hydroxy: 170 amu → 128 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

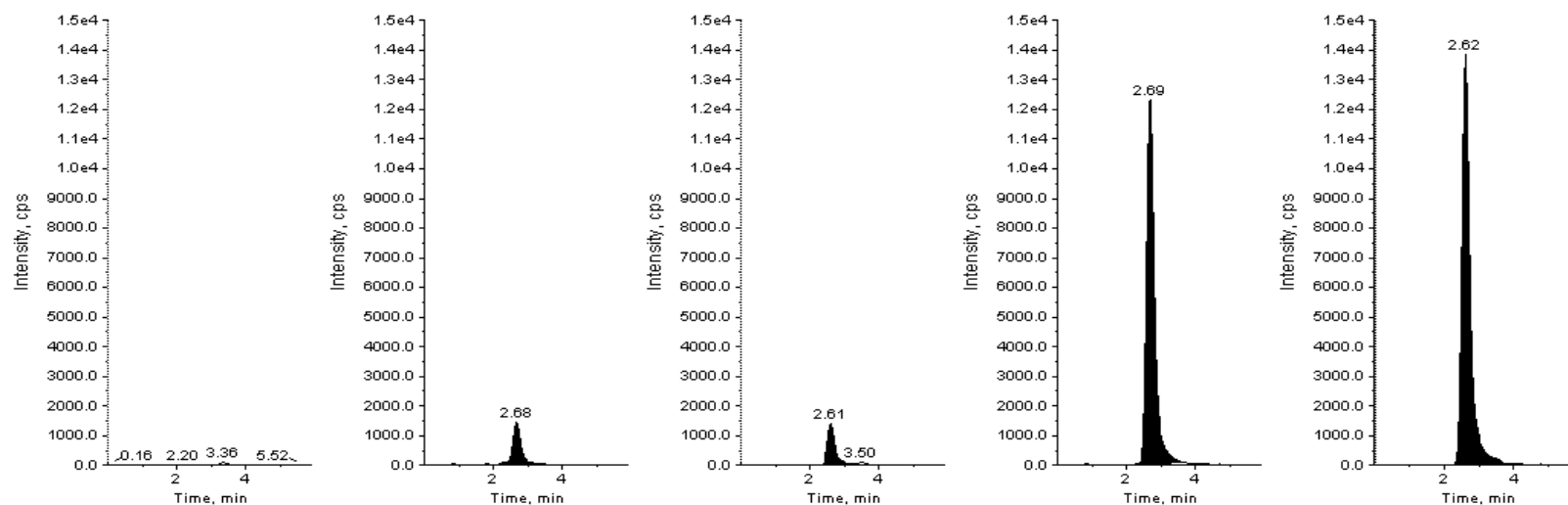


Figure: Second MRM of Atrazine-desethyl-2-hydroxy: 170 amu → 86 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

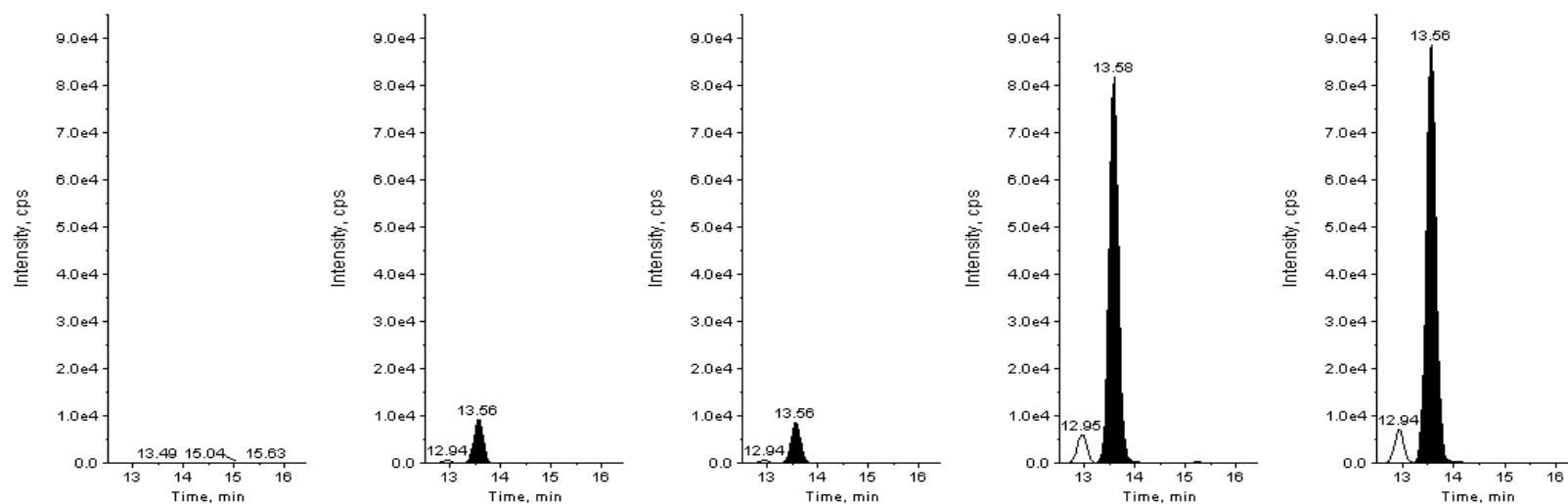


Figure: First MRM of Azaconazole: 300 amu → 231 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

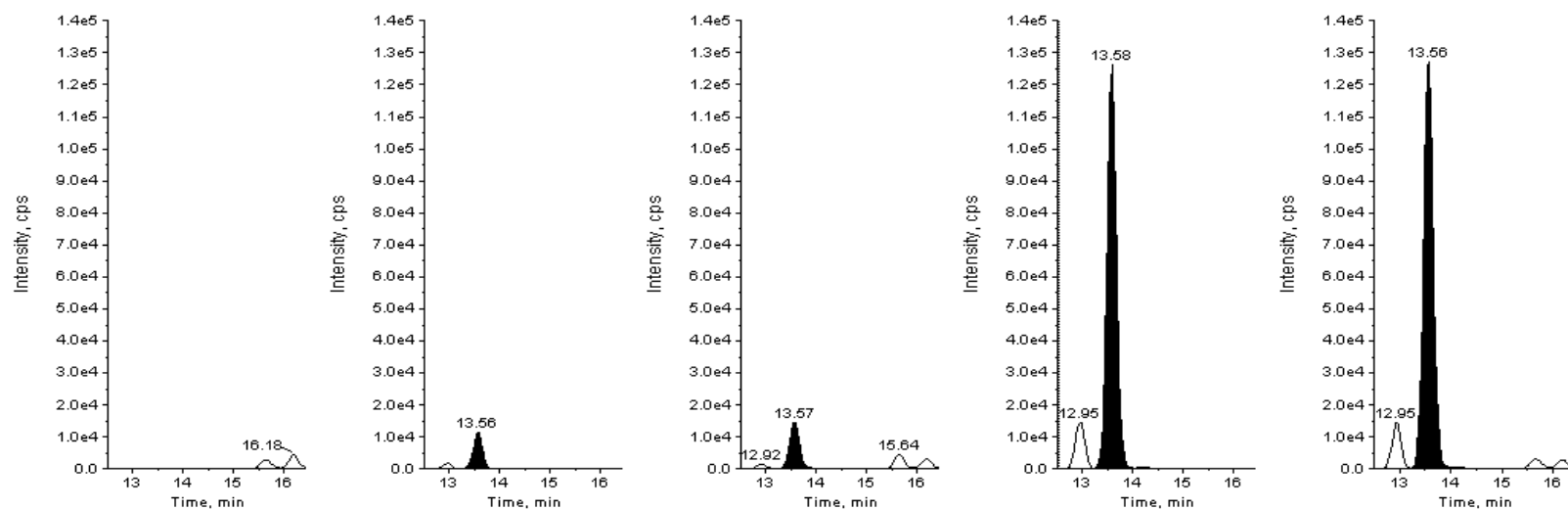


Figure: Second MRM of Azaconazole: 300 amu → 159 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

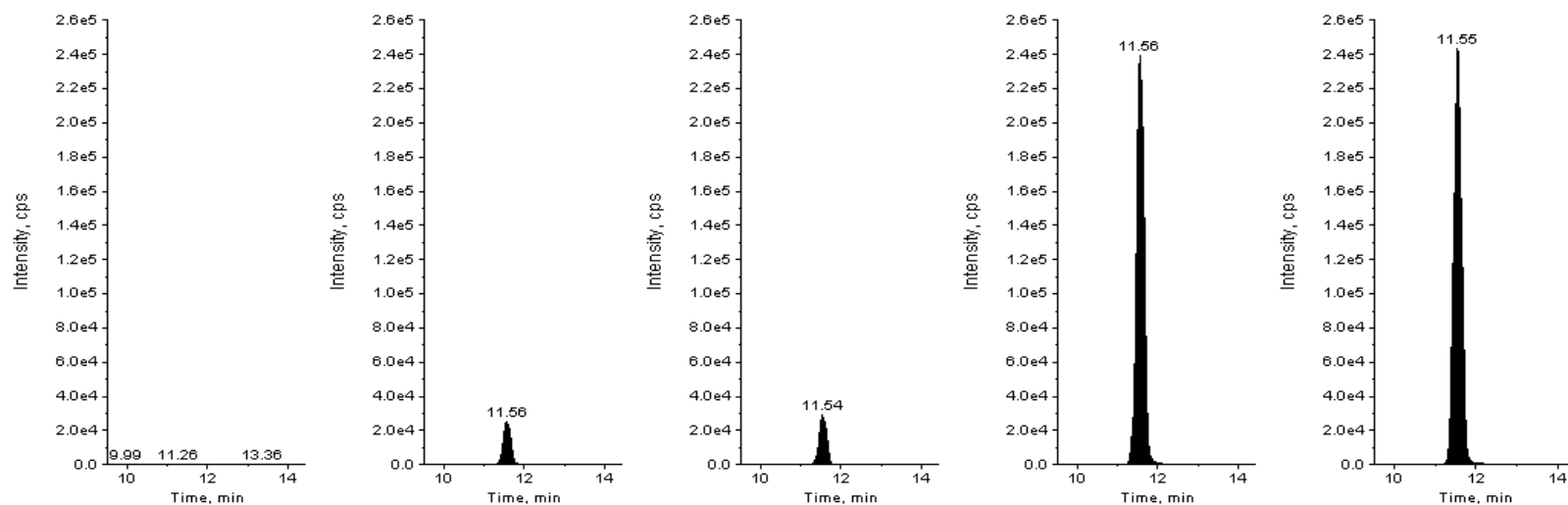


Figure: First MRM of Azamethiphos: 325 amu $\rightarrow$ 183 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

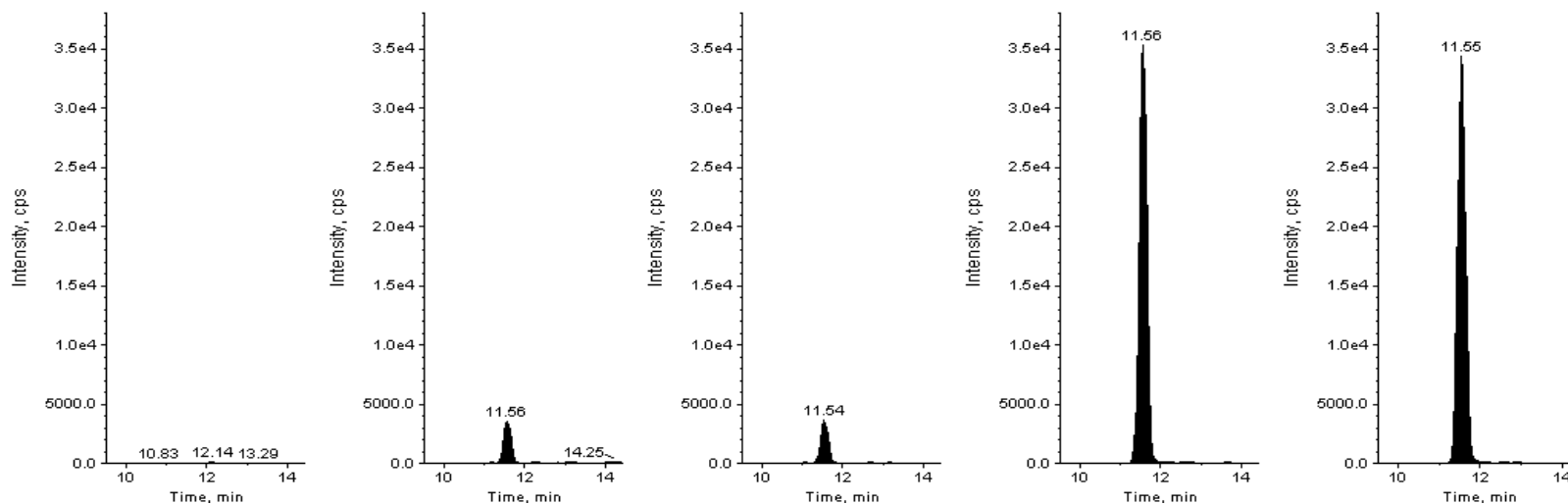


Figure: Second MRM of Azamethiphos: 325 amu $\rightarrow$ 139 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

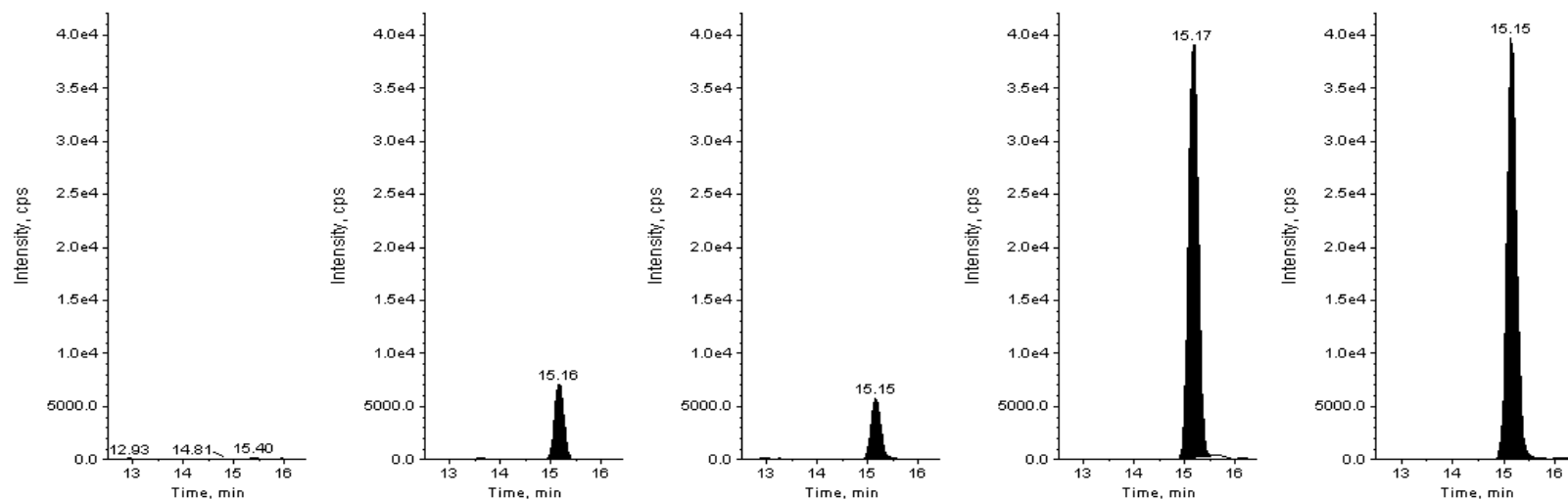


Figure: First MRM of Azinphos-ethyl: 346 amu → 132 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

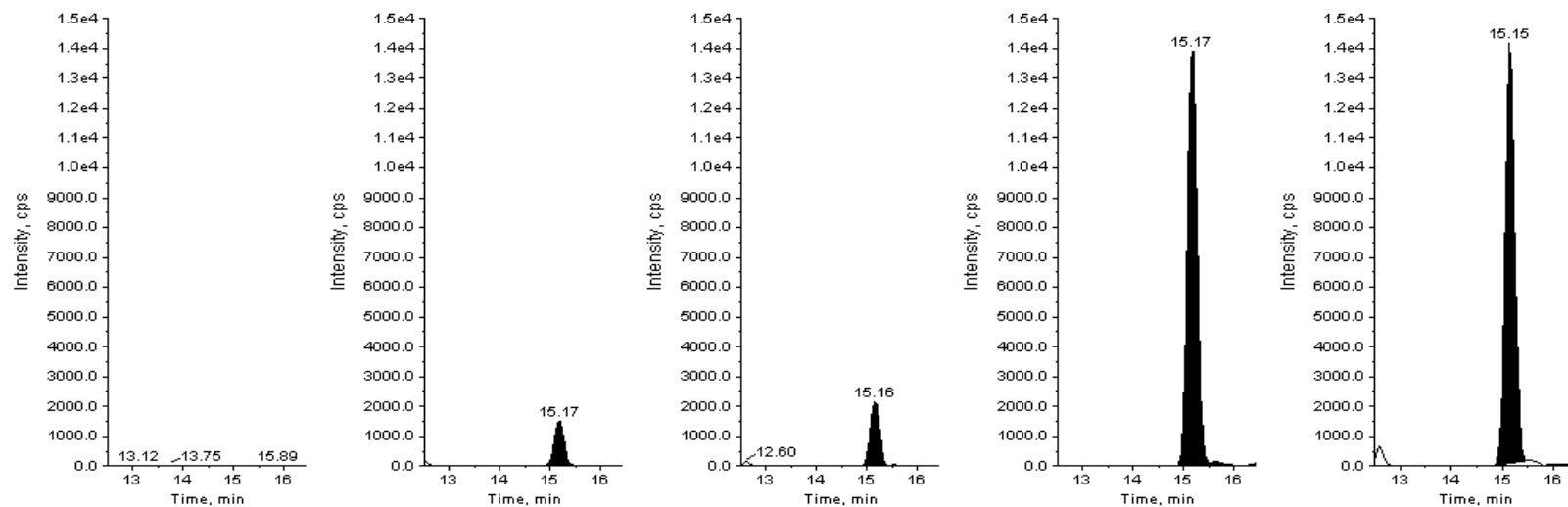


Figure: Second MRM of Azinphos-ethyl: 346 amu → 160 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

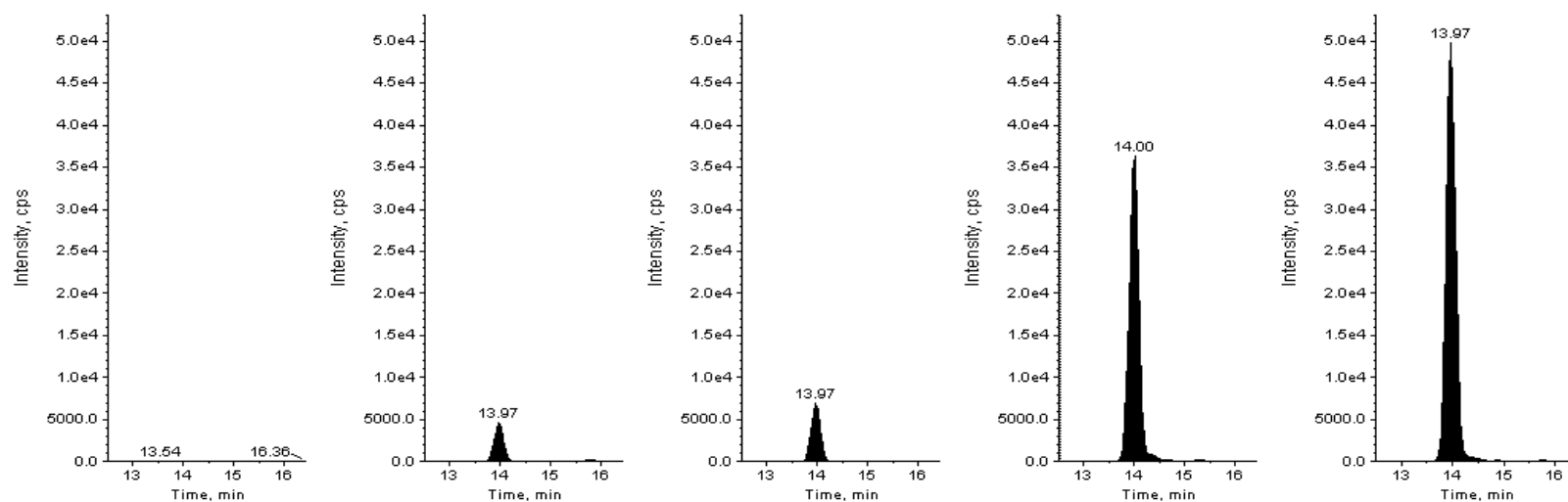


Figure: First MRM of Azinphos-methyl: 318 amu $\rightarrow$ 132 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

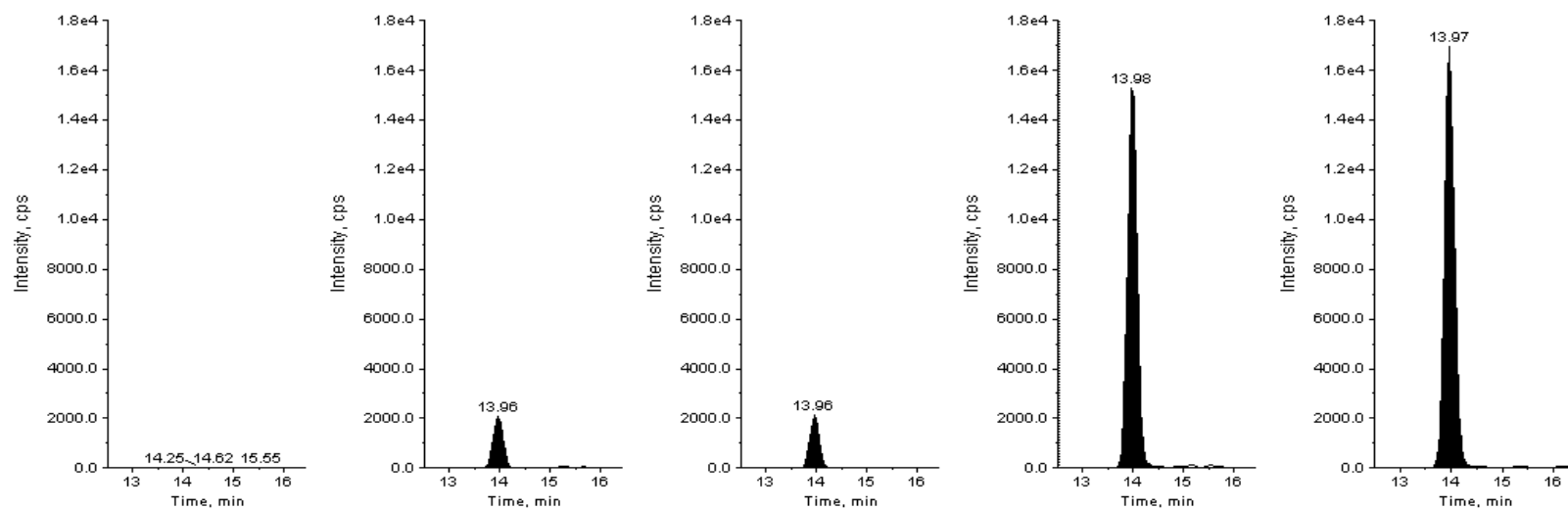


Figure: Second MRM of Azinphos-methyl: 318 amu $\rightarrow$ 160 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

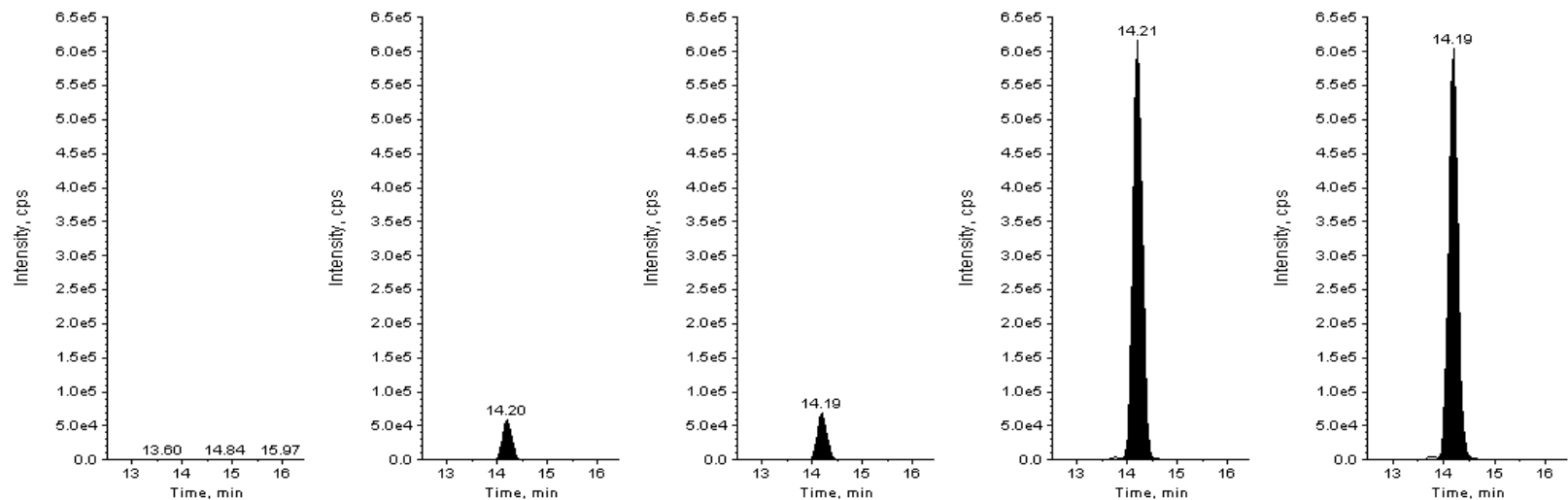


Figure: First MRM of Azoxystrobin: 404 amu → 372 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

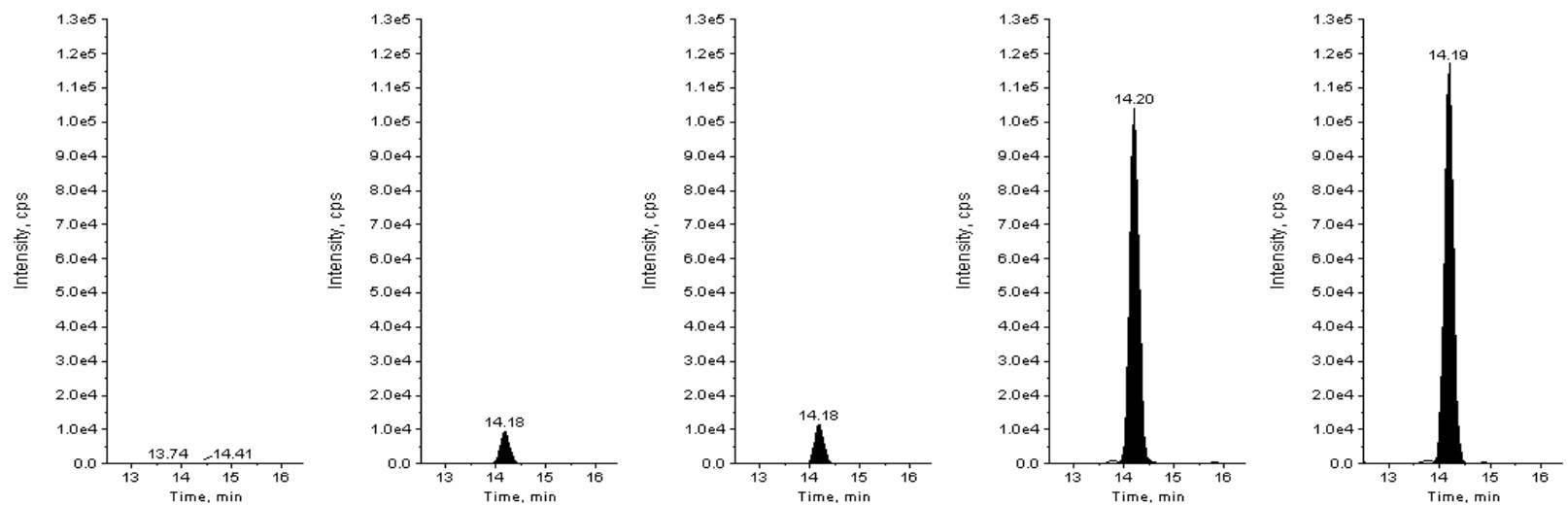


Figure: Second MRM of Azoxystrobin: 404 amu → 344 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

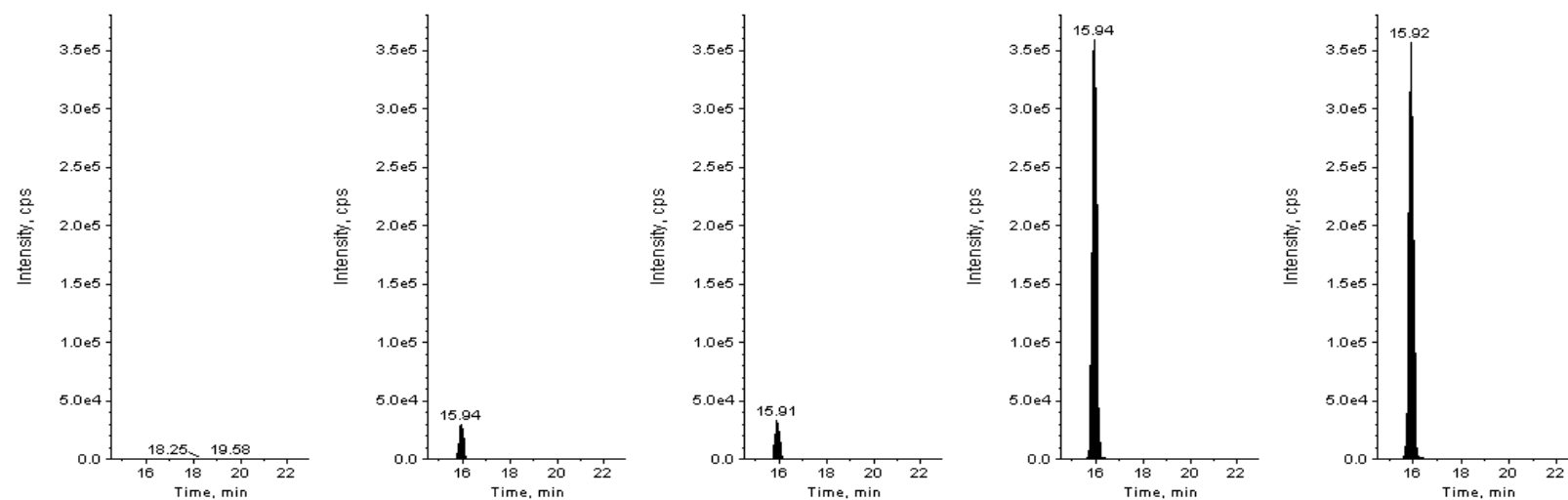


Figure: First MRM of Benalaxyl: 326 amu $\rightarrow$ 148 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

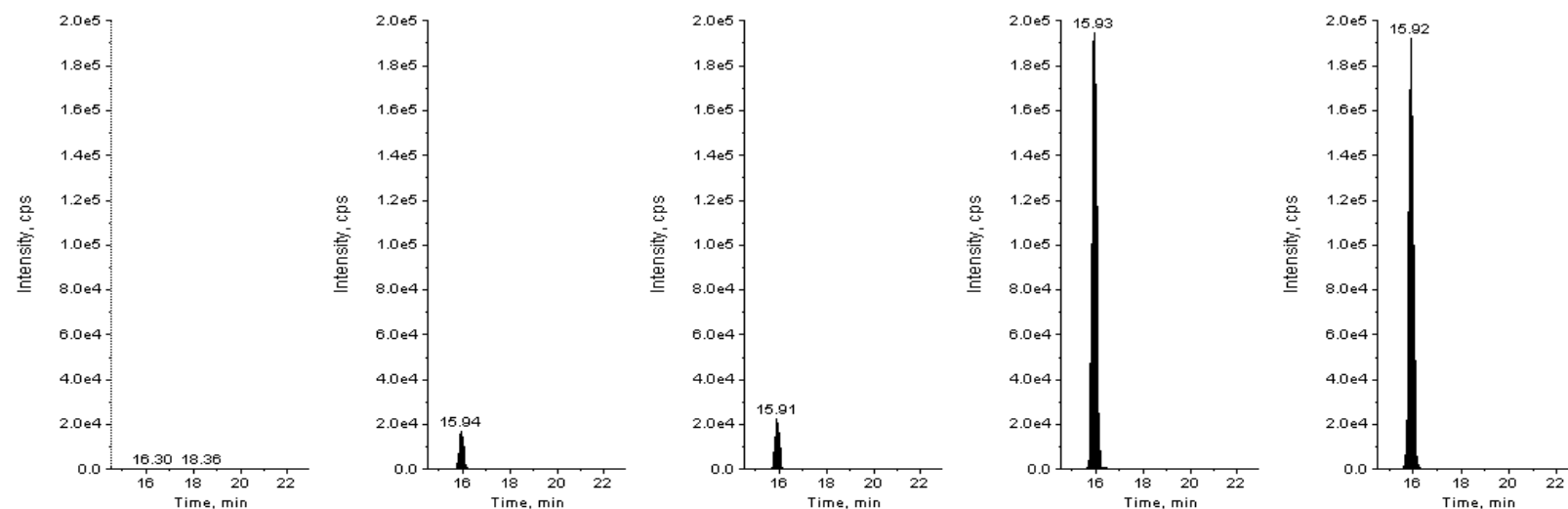


Figure: Second MRM of Benalaxyl: 326 amu $\rightarrow$ 208 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

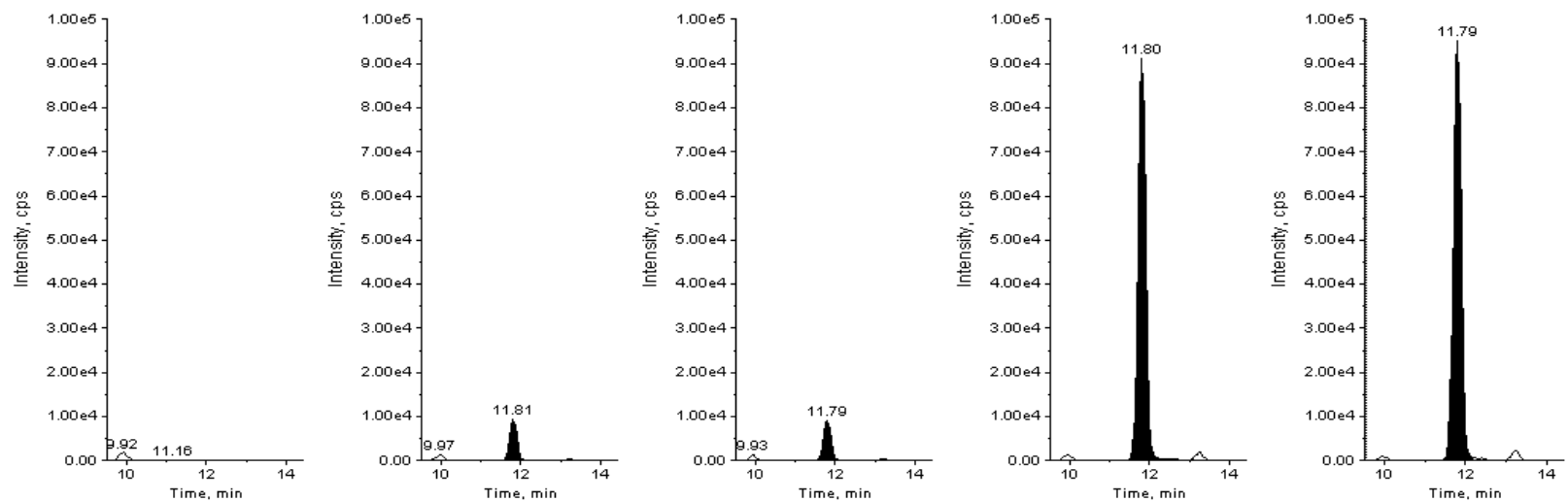


Figure: First MRM of Bendiocarb: 224 amu $\rightarrow$ 167 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

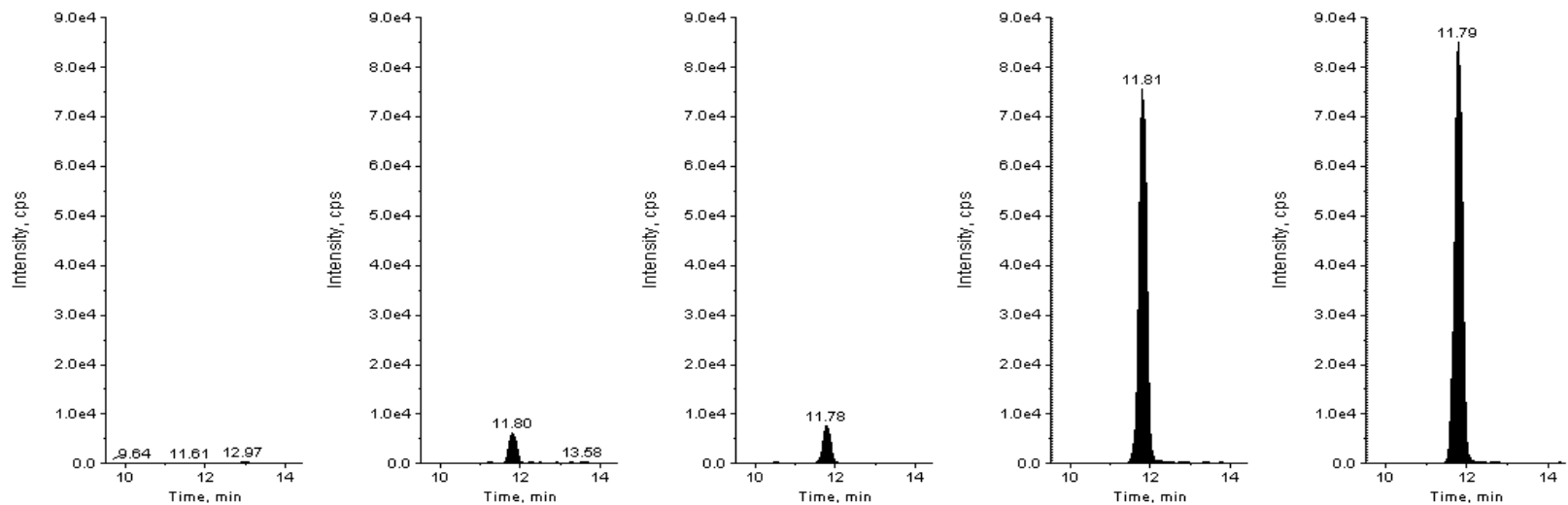


Figure: Second MRM of Bendiocarb: 224 amu $\rightarrow$ 109 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

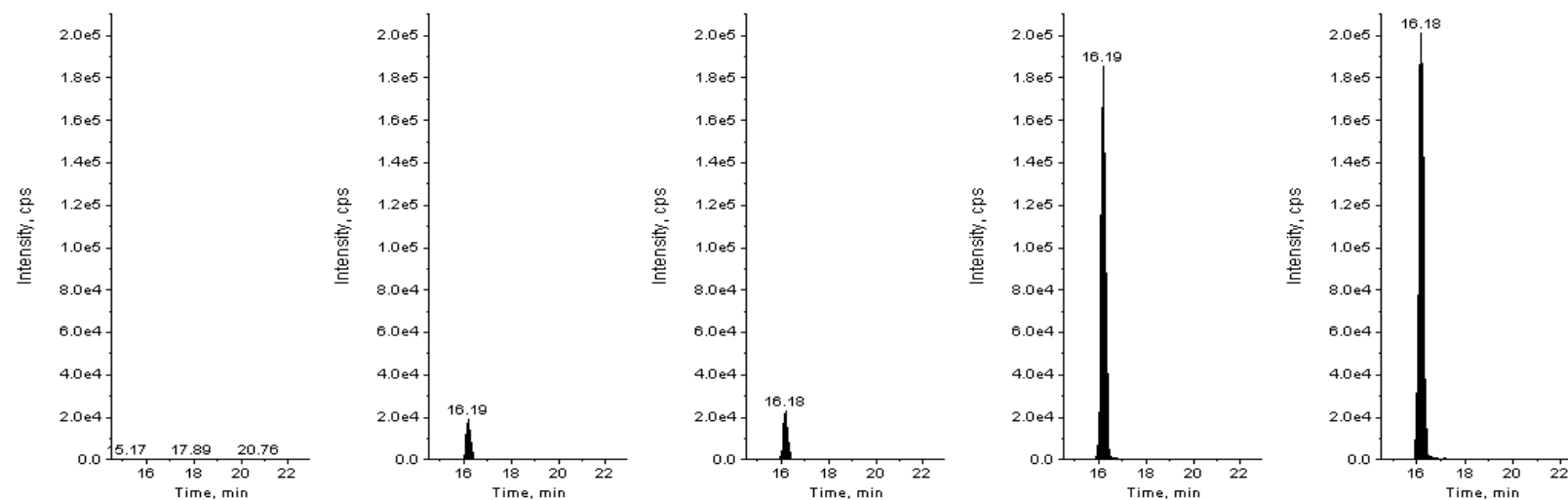


Figure: First MRM of Benzoximate: 364 amu → 199 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

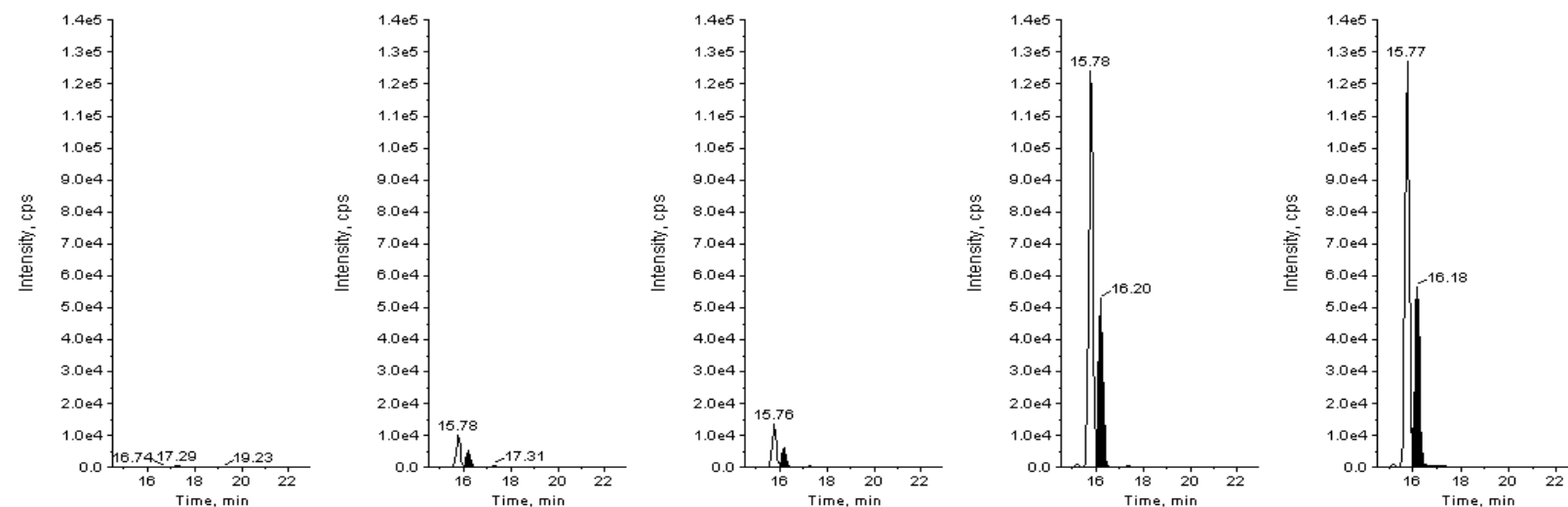


Figure: Second MRM of Benzoximate: 364 amu → 105 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

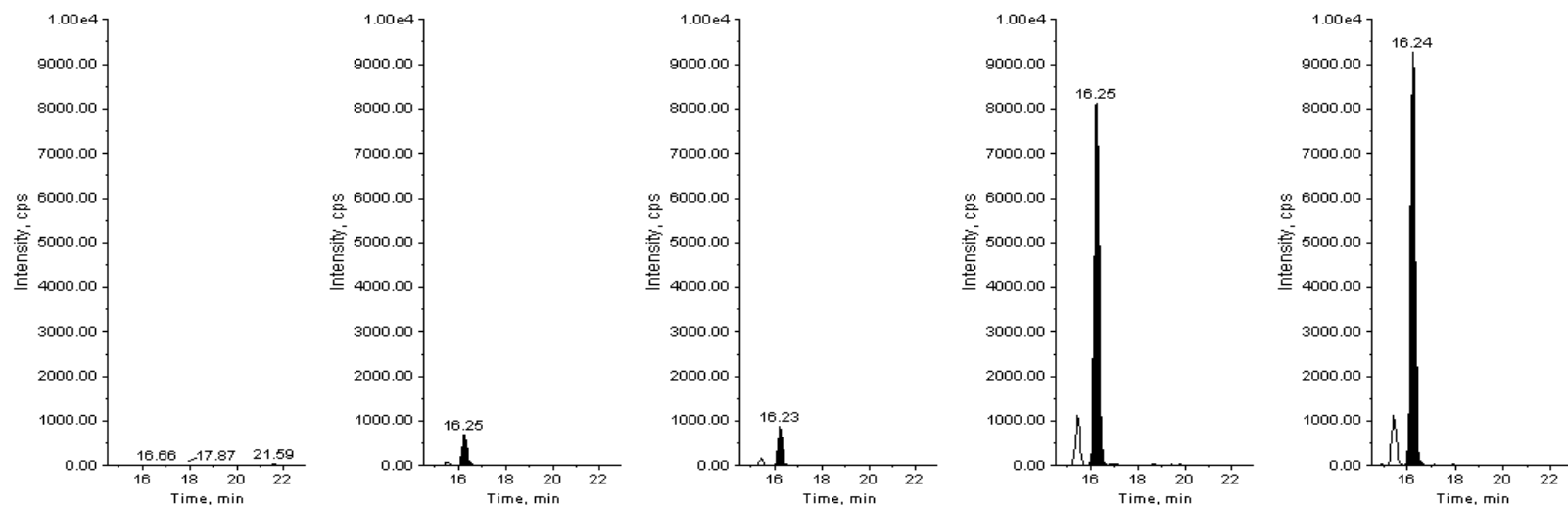


Figure: First MRM of Bitertanol: 338 amu → 70 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

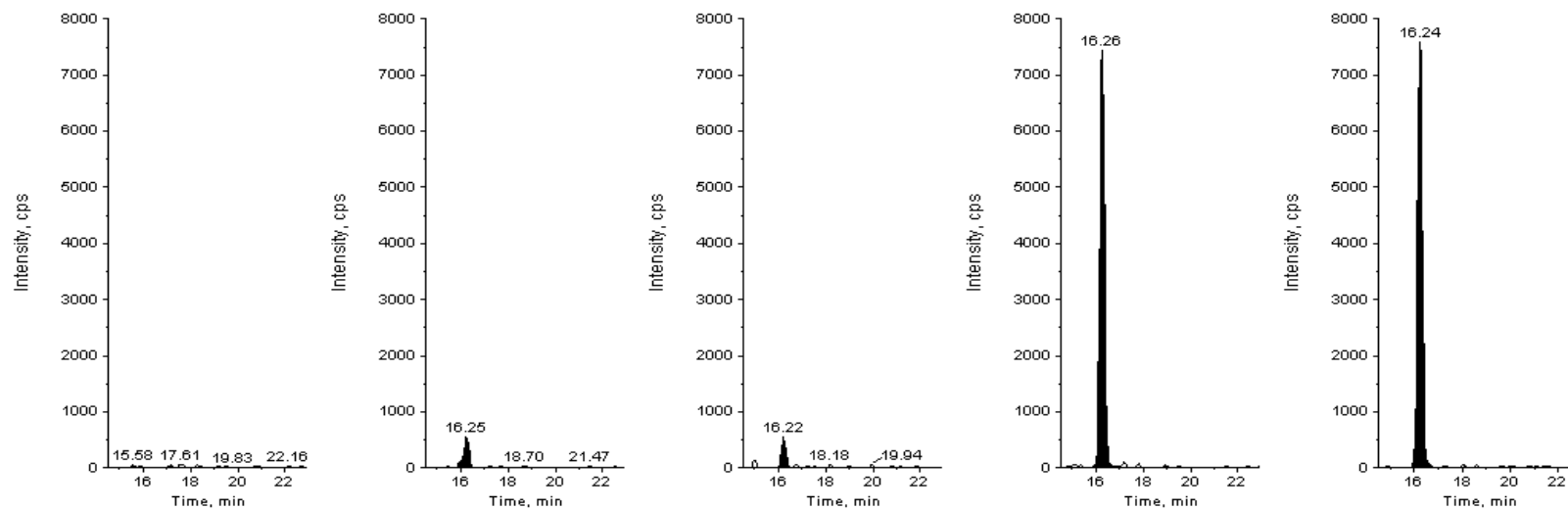


Figure: Second MRM of Bitertanol: 338 amu → 269 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

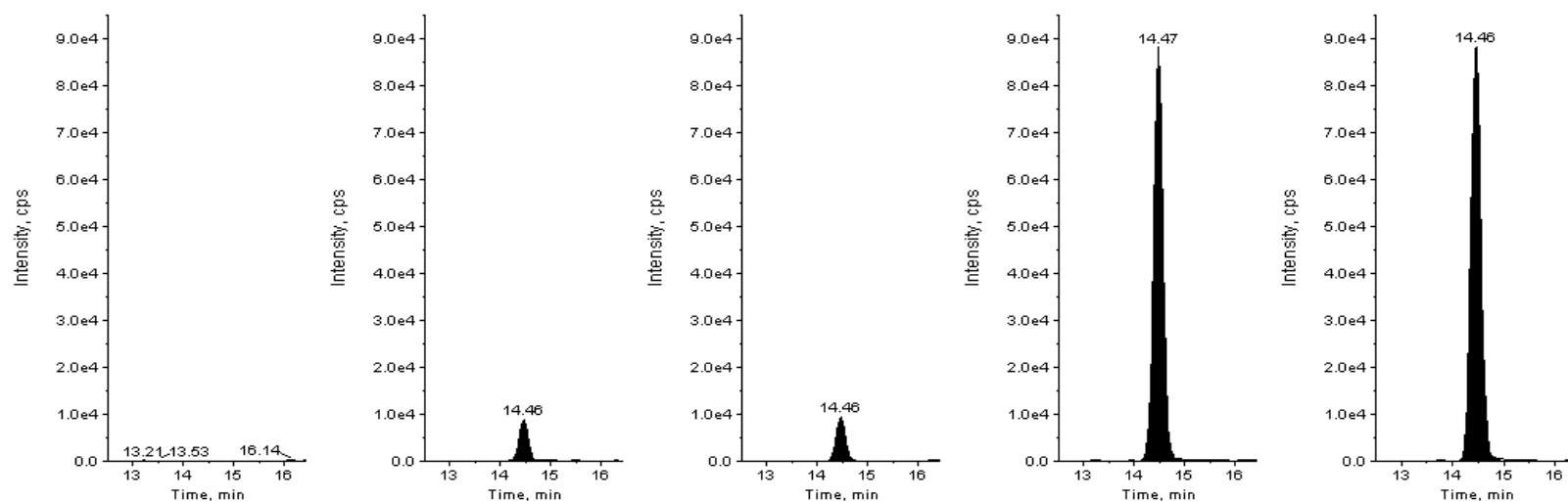


Figure: First MRM of Boscalid: 343 amu $\rightarrow$ 307 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

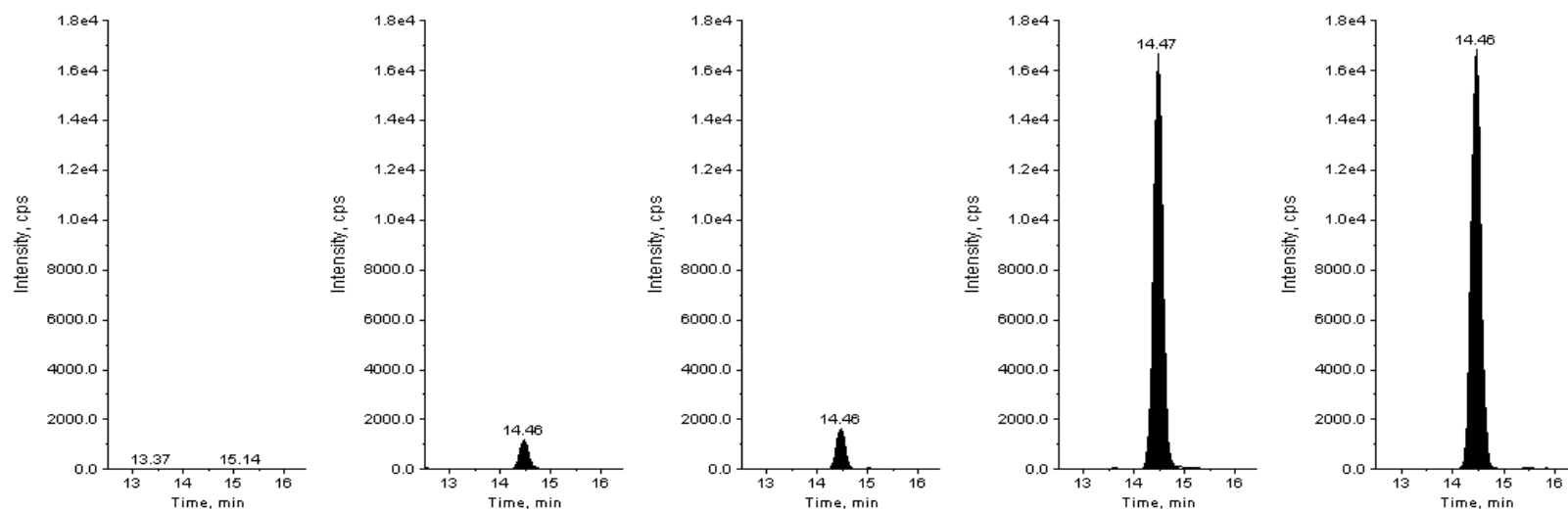


Figure: Second MRM of Boscalid: 343 amu $\rightarrow$ 140 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

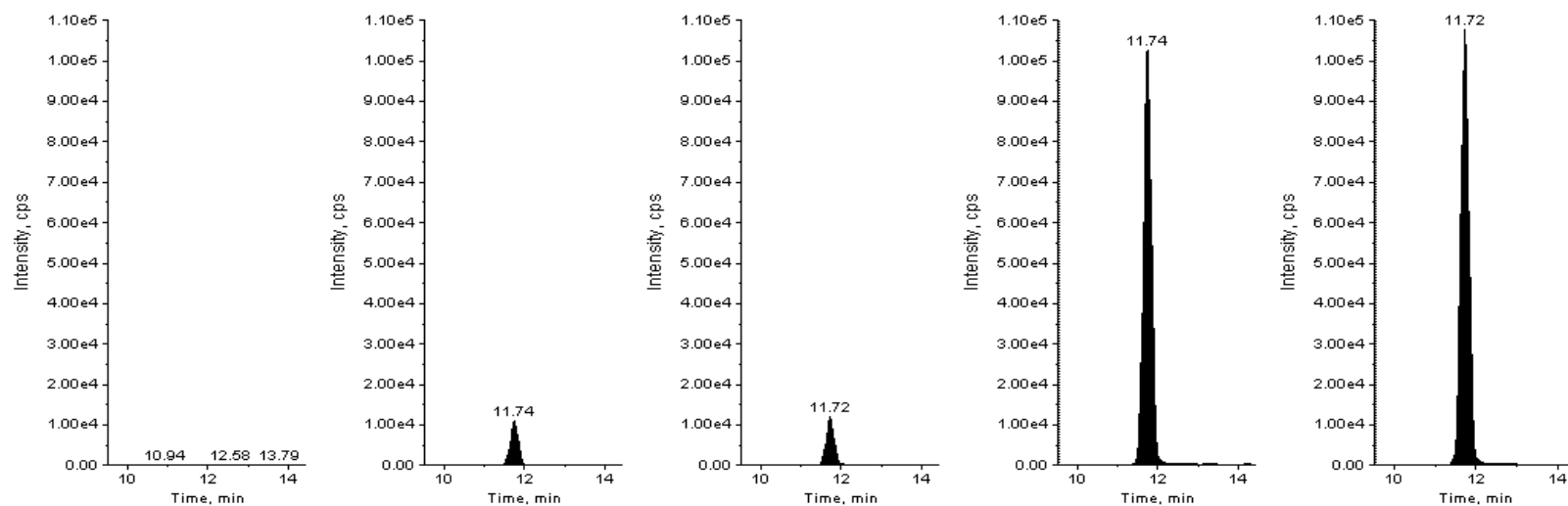


Figure: First MRM of Bromacil: 261 amu $\rightarrow$ 205 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

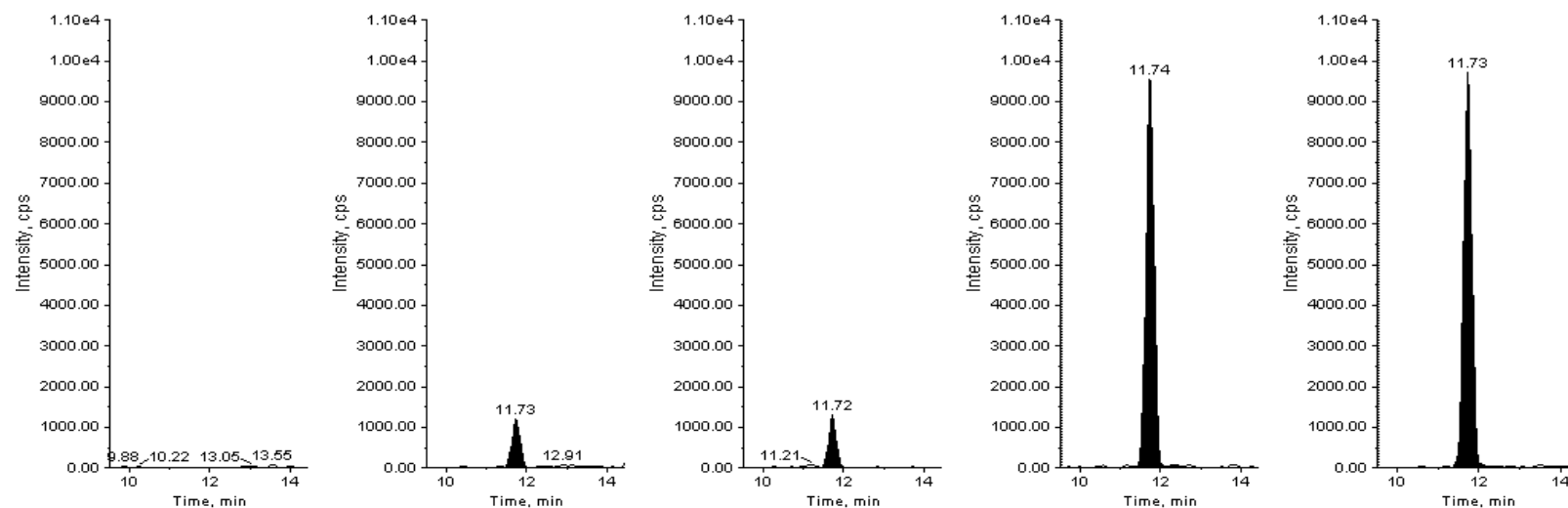


Figure: Second MRM of Bromacil: 261 amu $\rightarrow$ 188 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

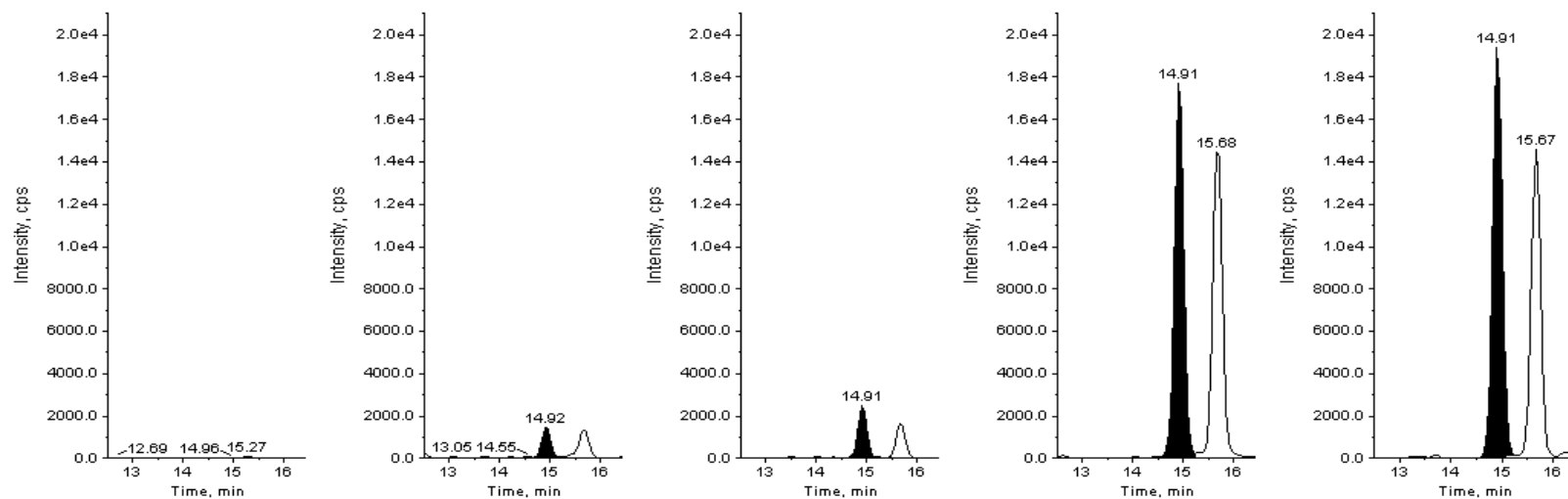


Figure: First MRM of Bromuconazole: 378 amu → 159 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

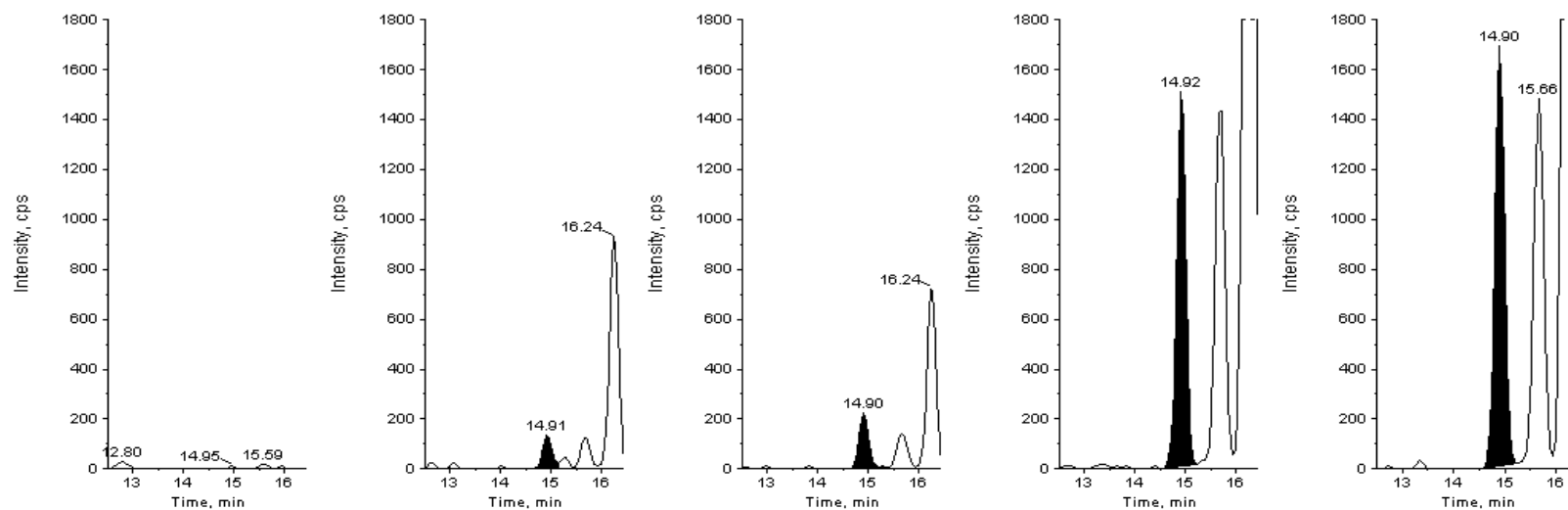


Figure: Second MRM of Bromuconazole: 378 amu → 70 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

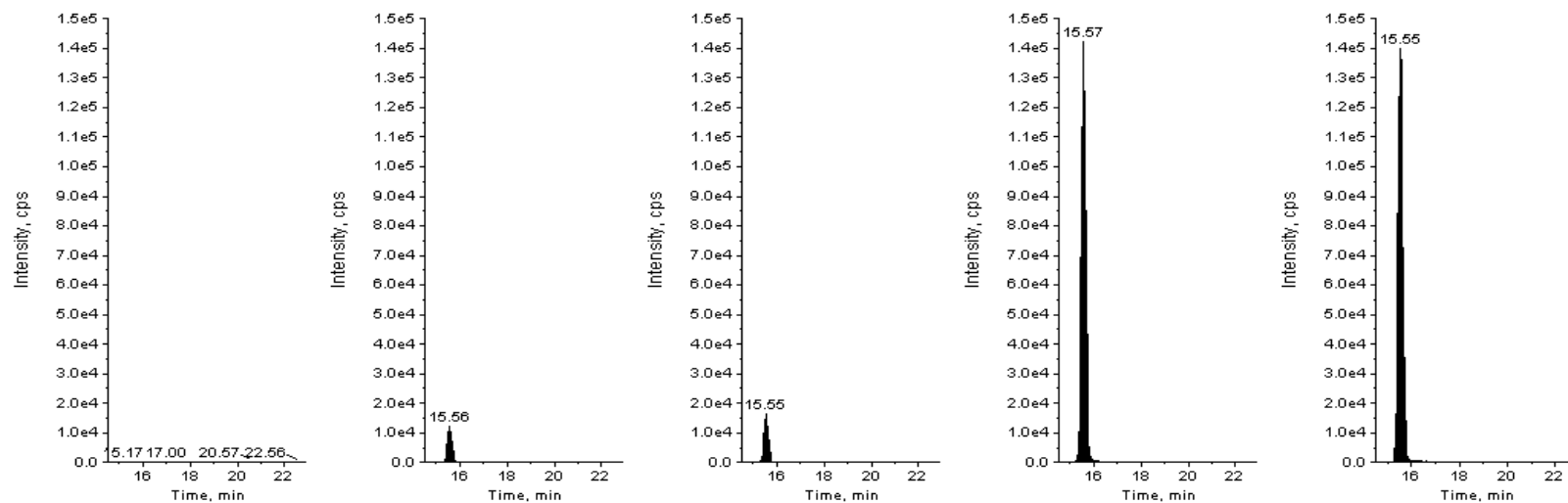


Figure: First MRM of Bupirimate: 317 amu → 166 amu
(Control sample, standard 0.1µg/L, spiked sample 0.1µg/L, standard 1.0µg/L, spiked sample 1.0µg/L, from left to right)

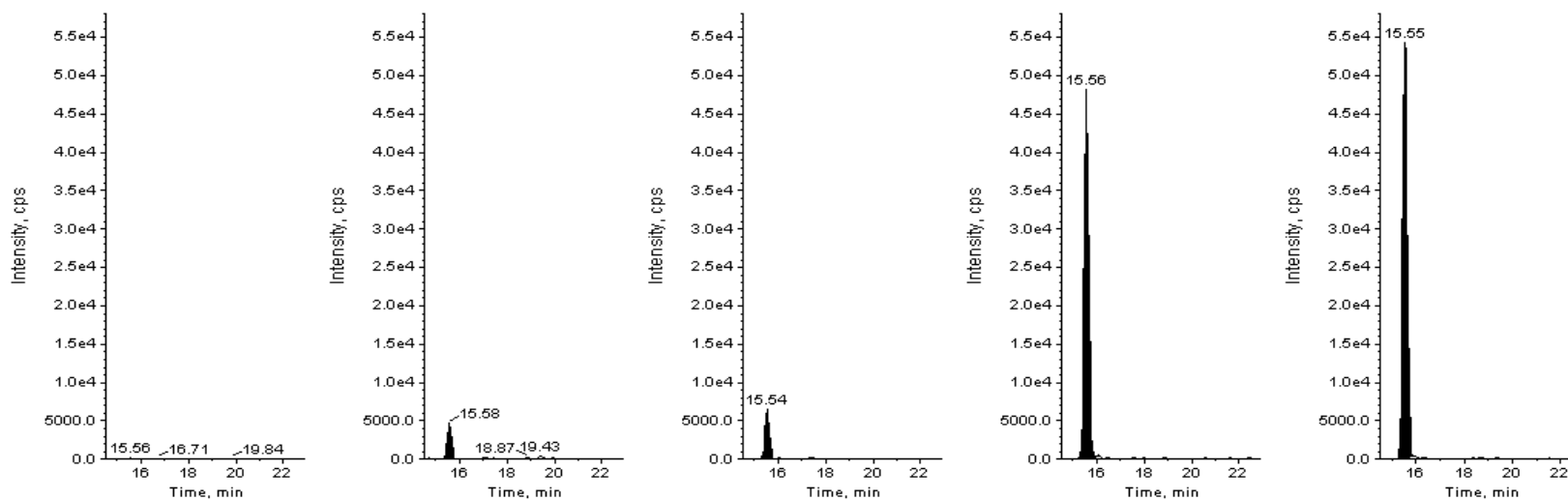


Figure: Second MRM of Bupirimate: 317 amu → 108 amu
(Control sample, standard 0.1µg/L, spiked sample 0.1µg/L, standard 1.0µg/L, spiked sample 1.0µg/L, from left to right)

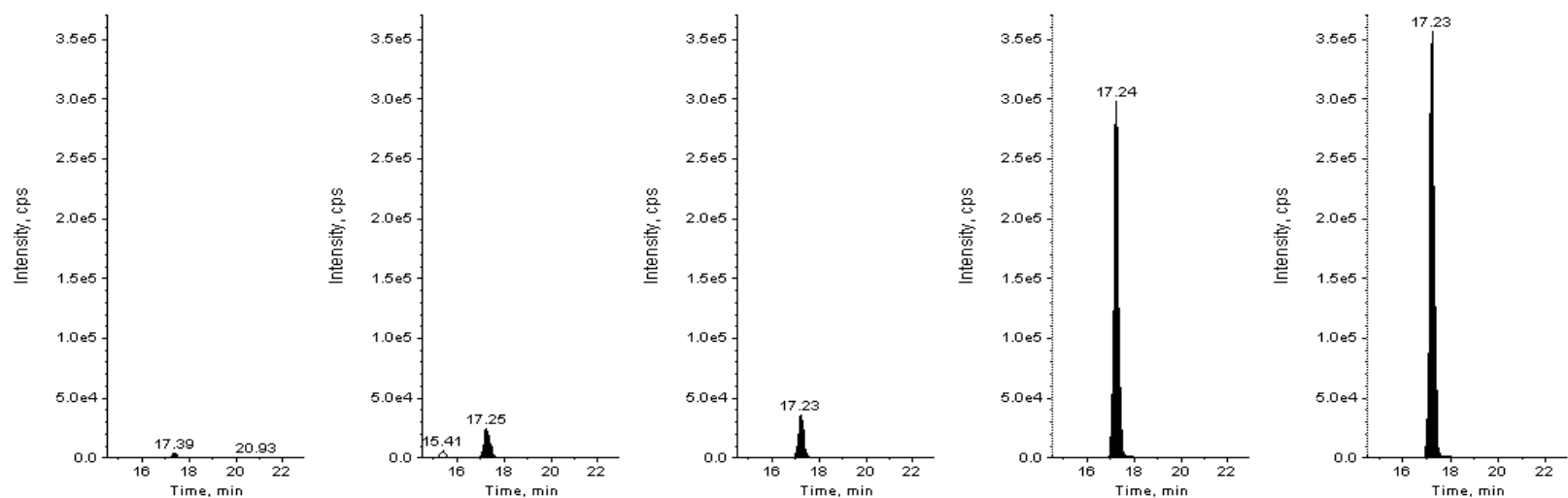


Figure: First MRM of Bupropfen: 306 amu $\rightarrow$ 201 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

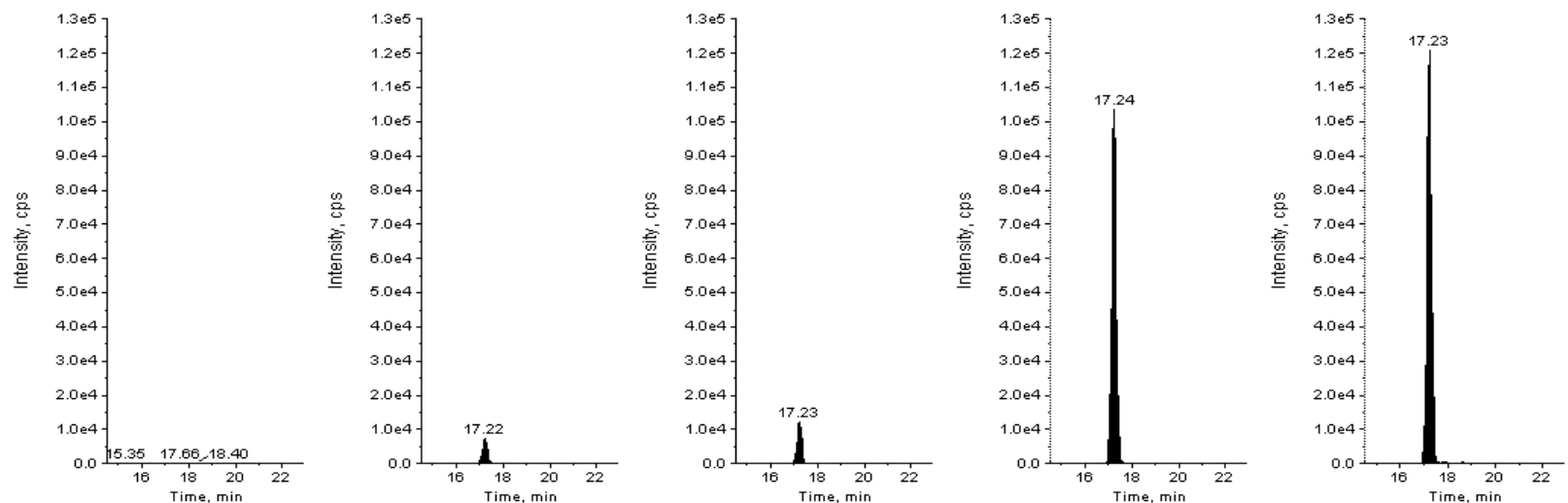


Figure: Second MRM of Bupropfen: 306 amu $\rightarrow$ 116 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

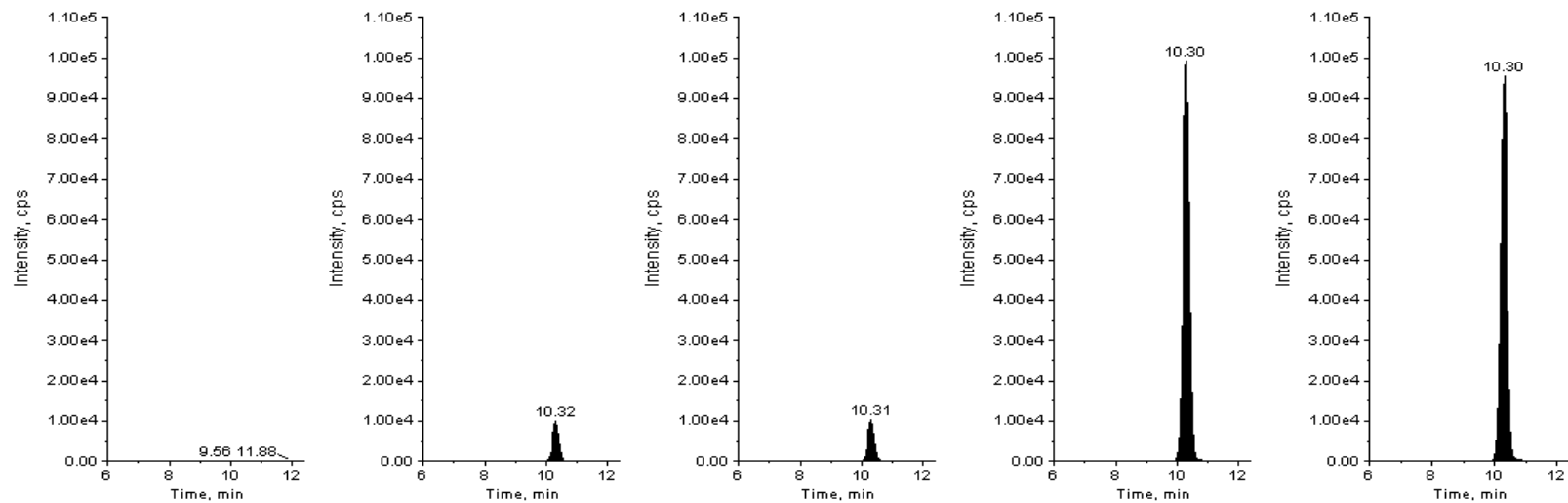


Figure: First MRM of Butocarboxim: 208 amu → 116 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

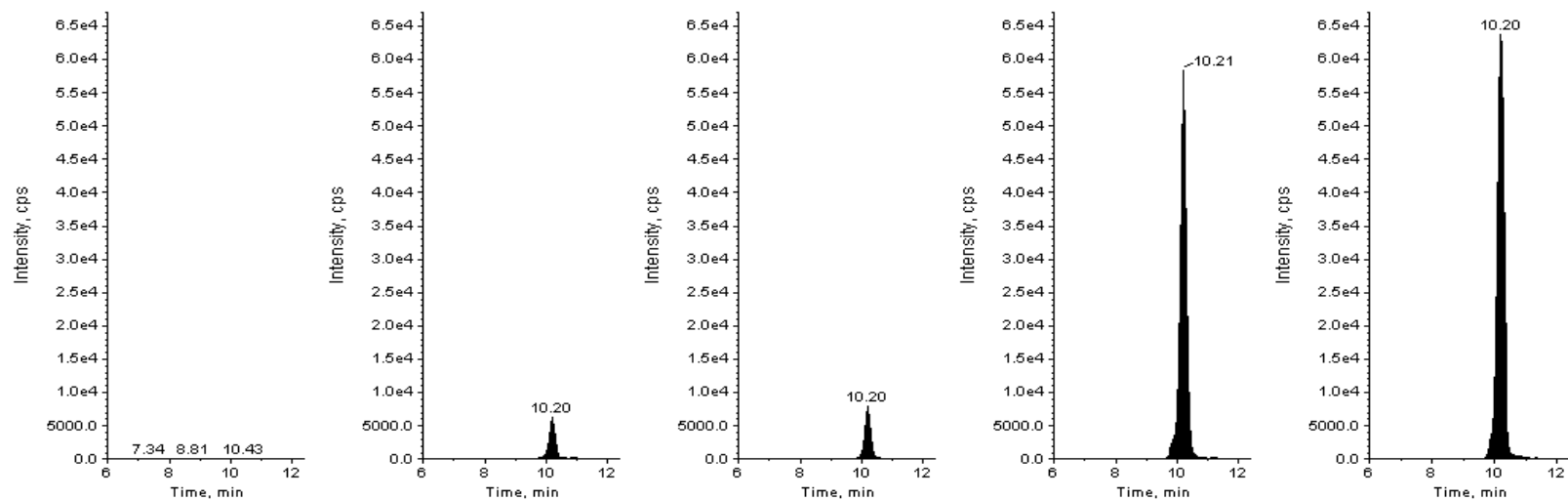


Figure: Second MRM of Butocarboxim: 208 amu → 75 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

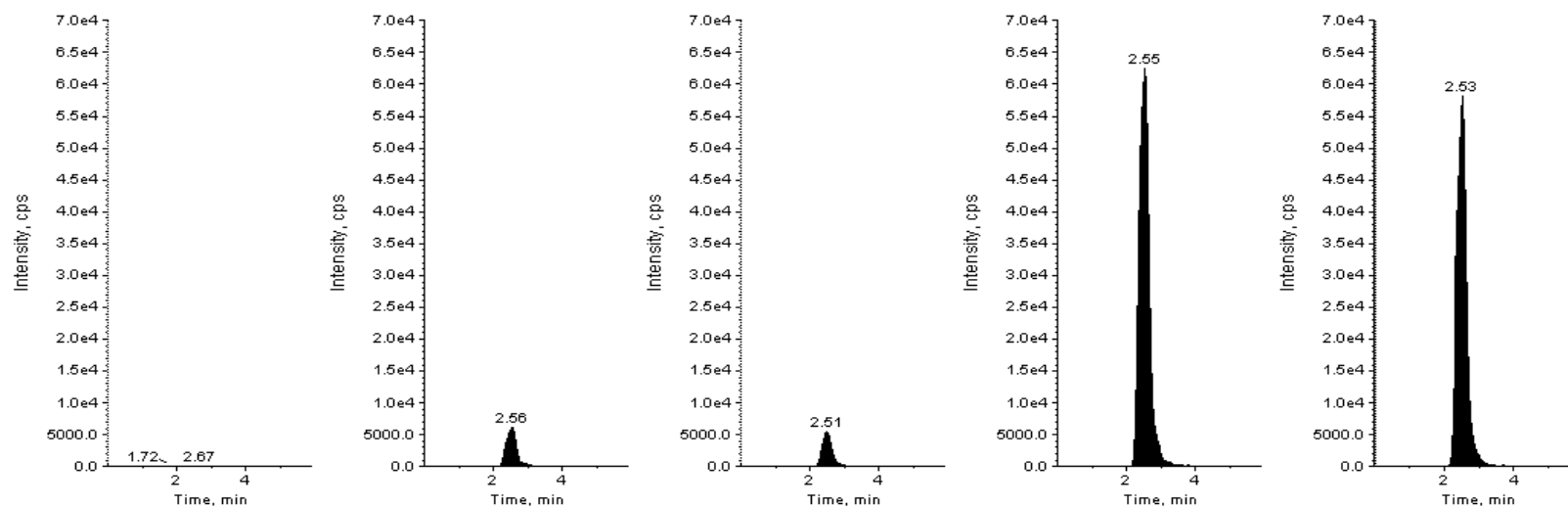


Figure: First MRM of Butocarboxim-sulfoxid: 207 amu $\rightarrow$ 132 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

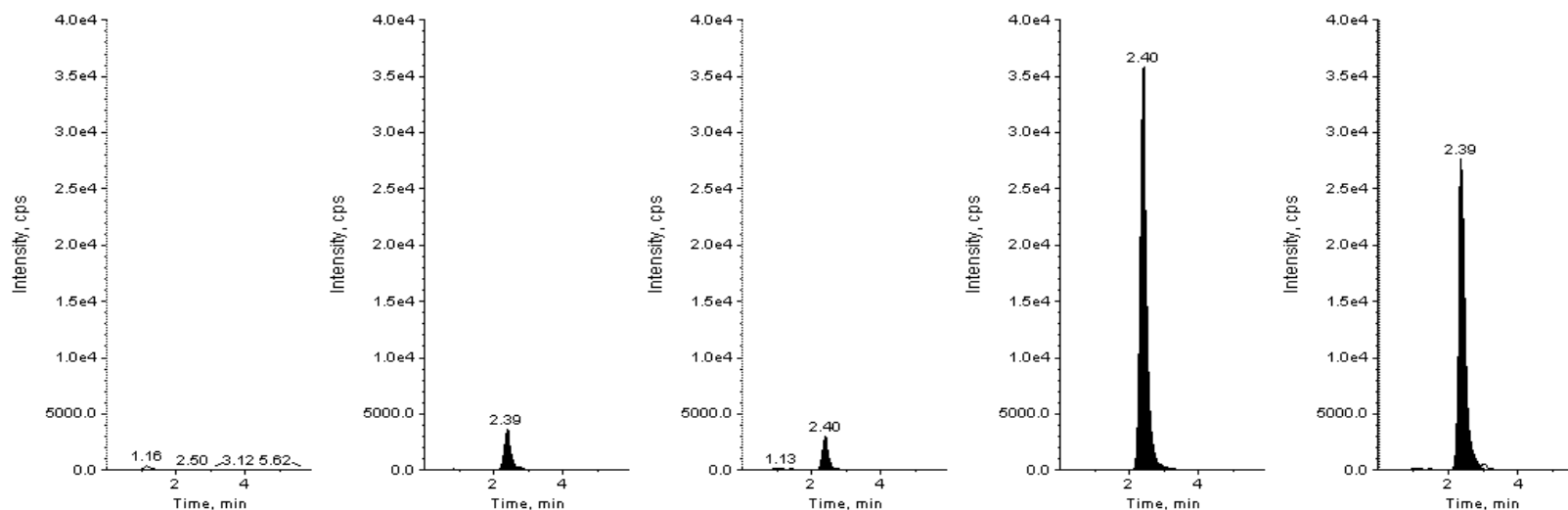


Figure: Second MRM of Butocarboxim-sulfoxid: 207 amu $\rightarrow$ 75 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

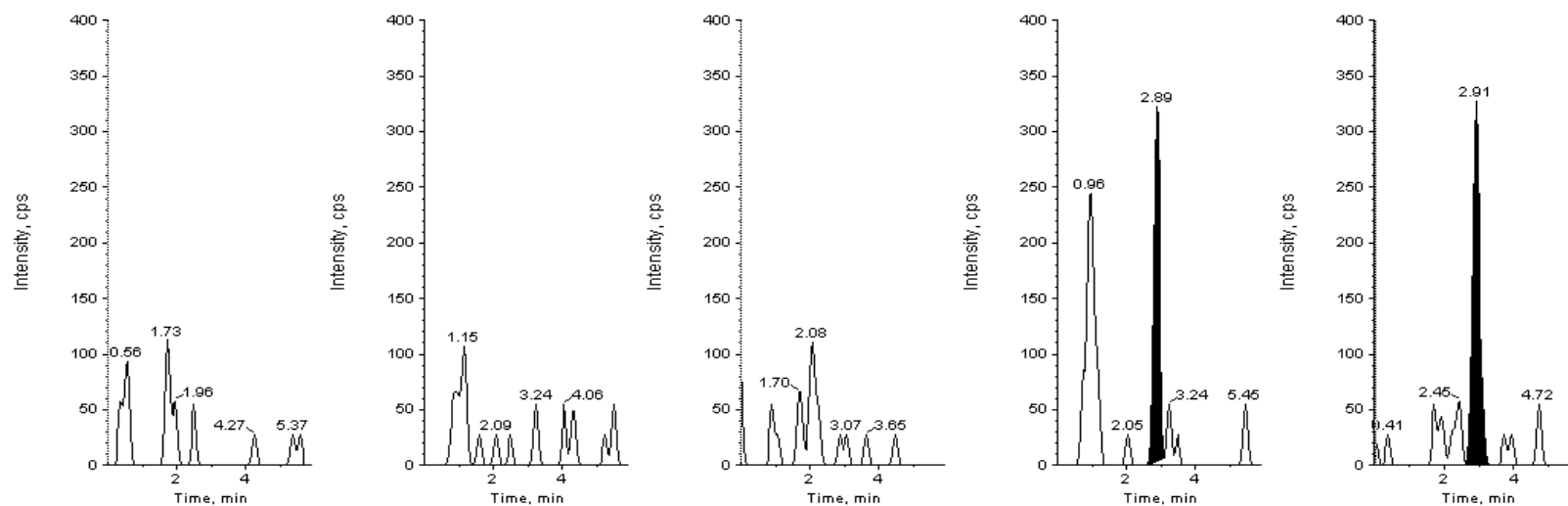


Figure: First MRM of Butoxycarboxim: 240 amu → 106 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

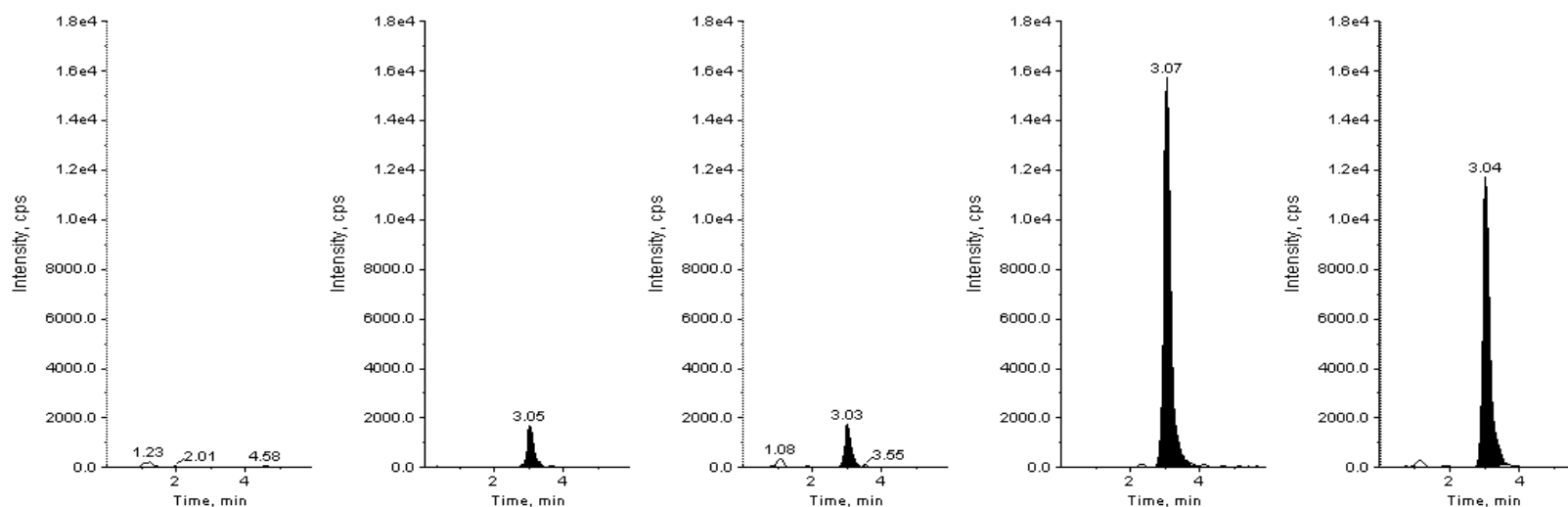


Figure: Second MRM of Butoxycarboxim: 223 amu → 166 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

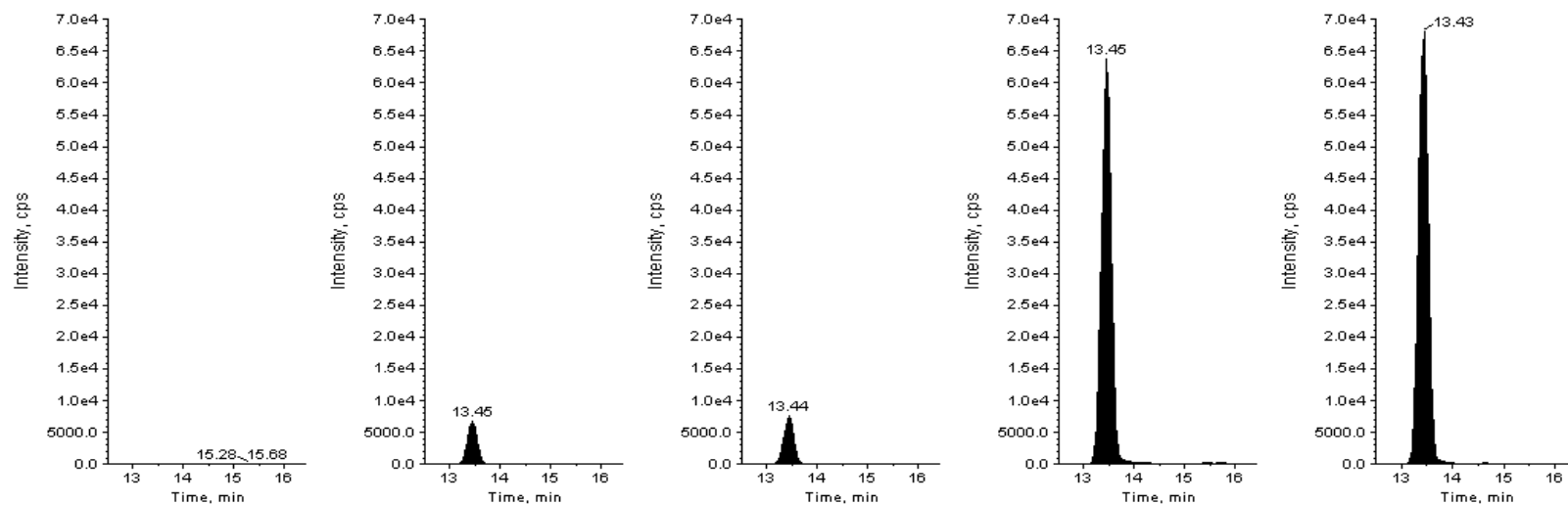


Figure: First MRM of Buturon: 237 amu $\rightarrow$ 84 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

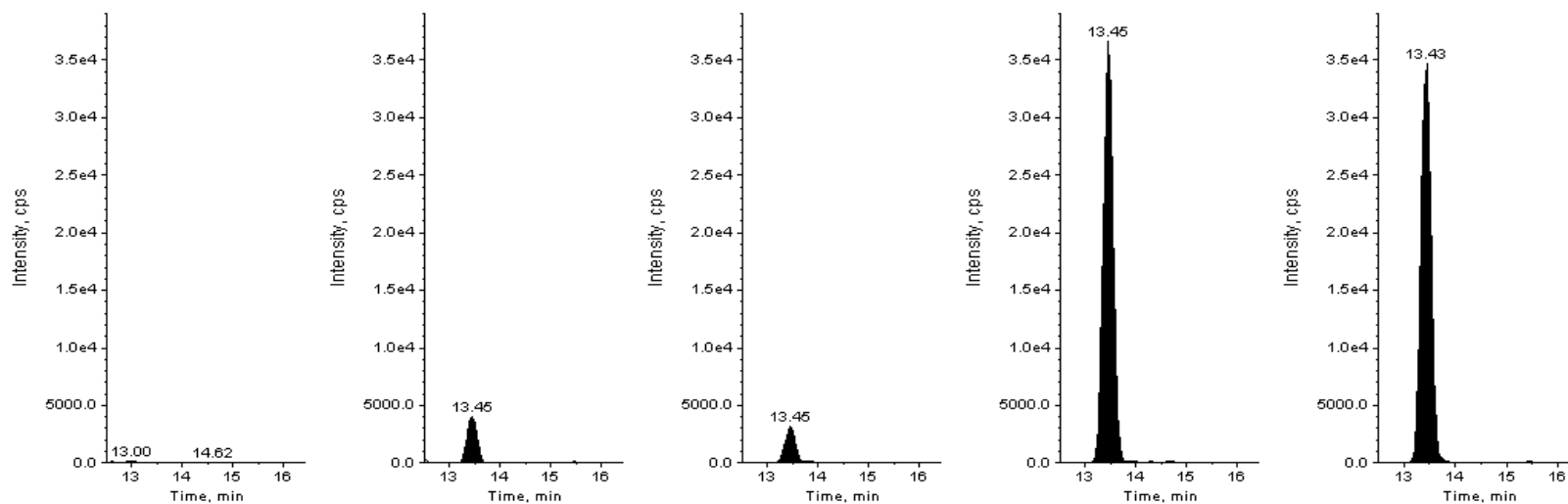


Figure: Second MRM of Buturon: 237 amu $\rightarrow$ 126 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

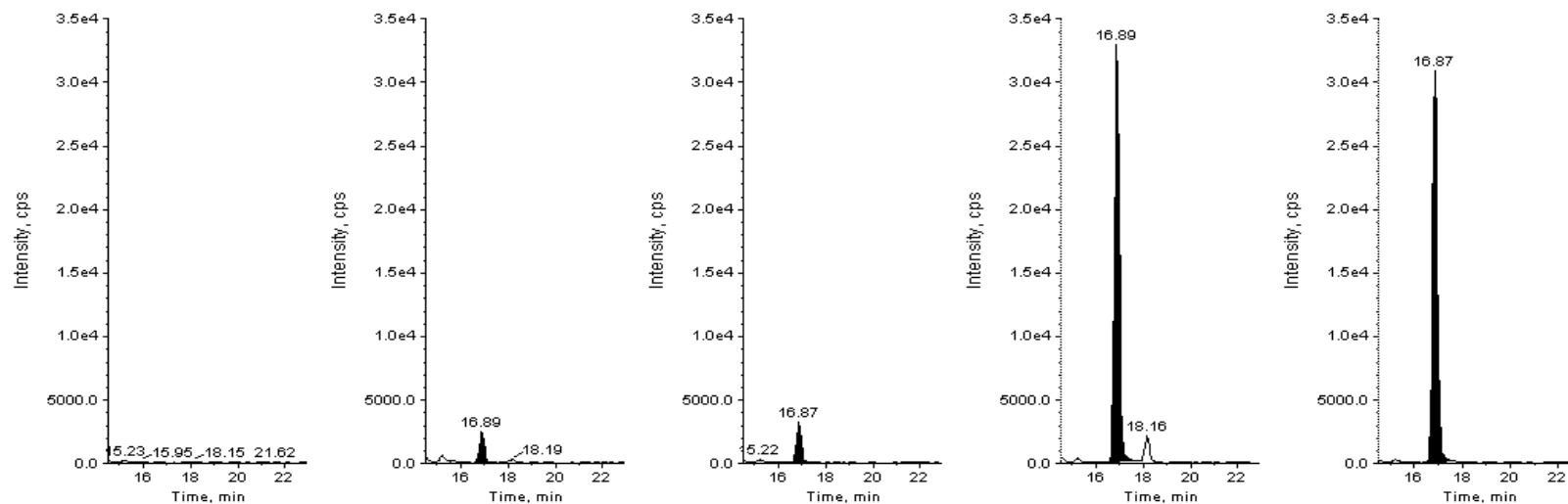


Figure: First MRM of Butylate: 218 amu $\rightarrow$ 57 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

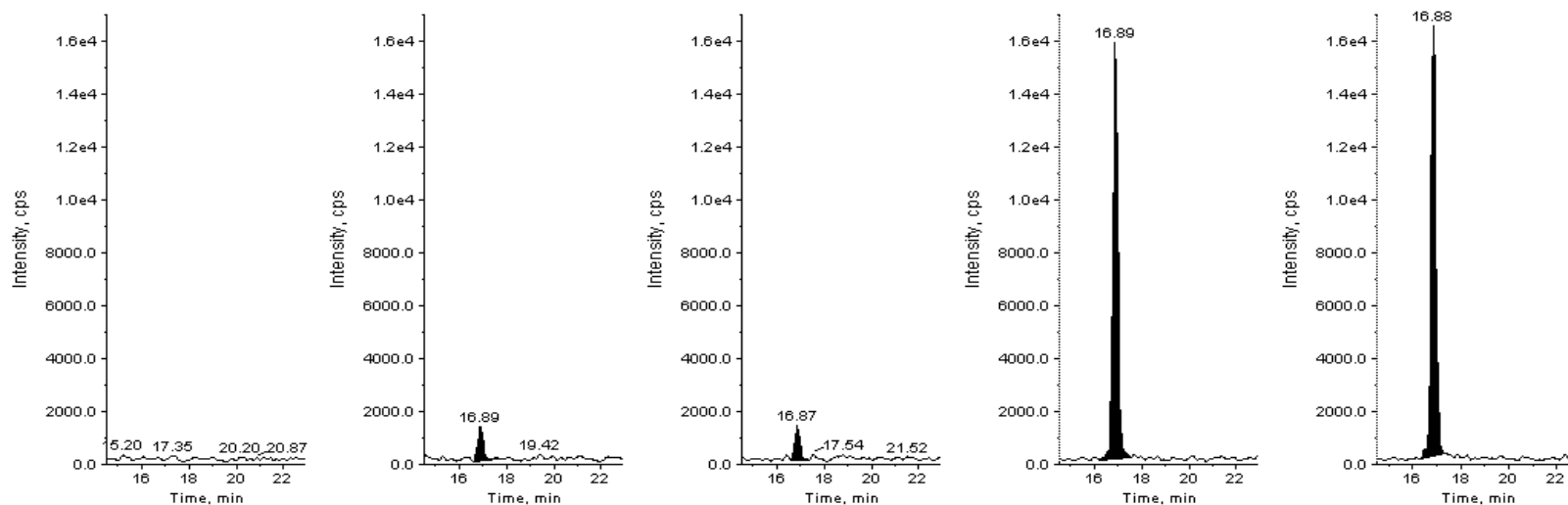


Figure: Second MRM of Butylate: 218 amu $\rightarrow$ 156 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

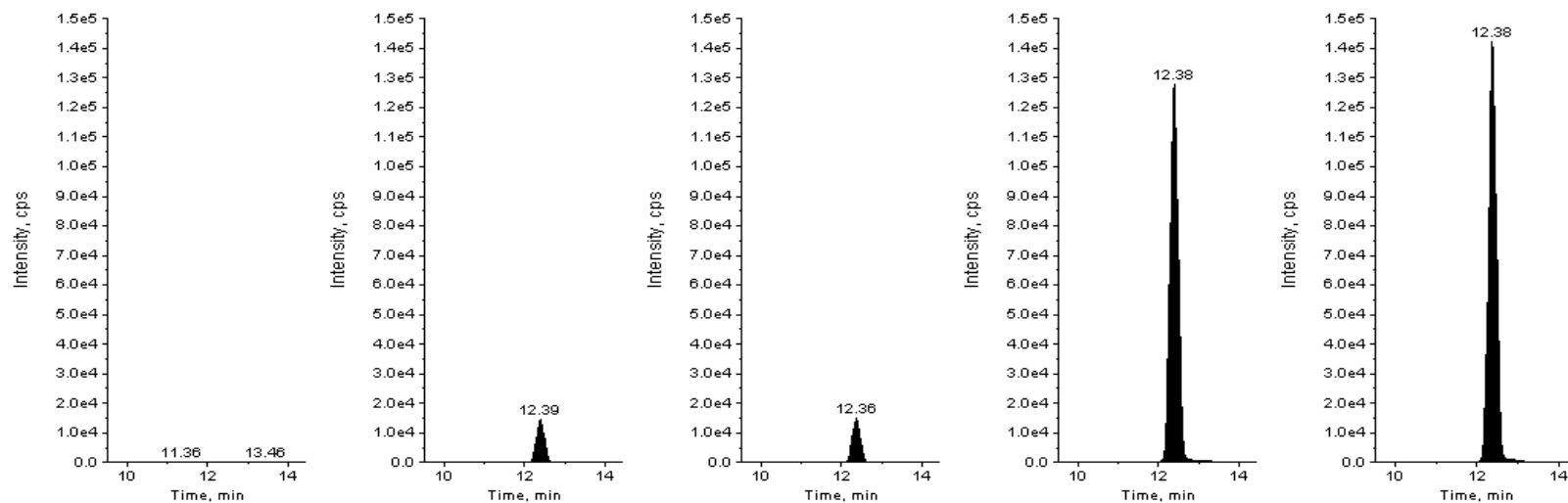


Figure: First MRM of Carbaryl: 202 amu $\rightarrow$ 145 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

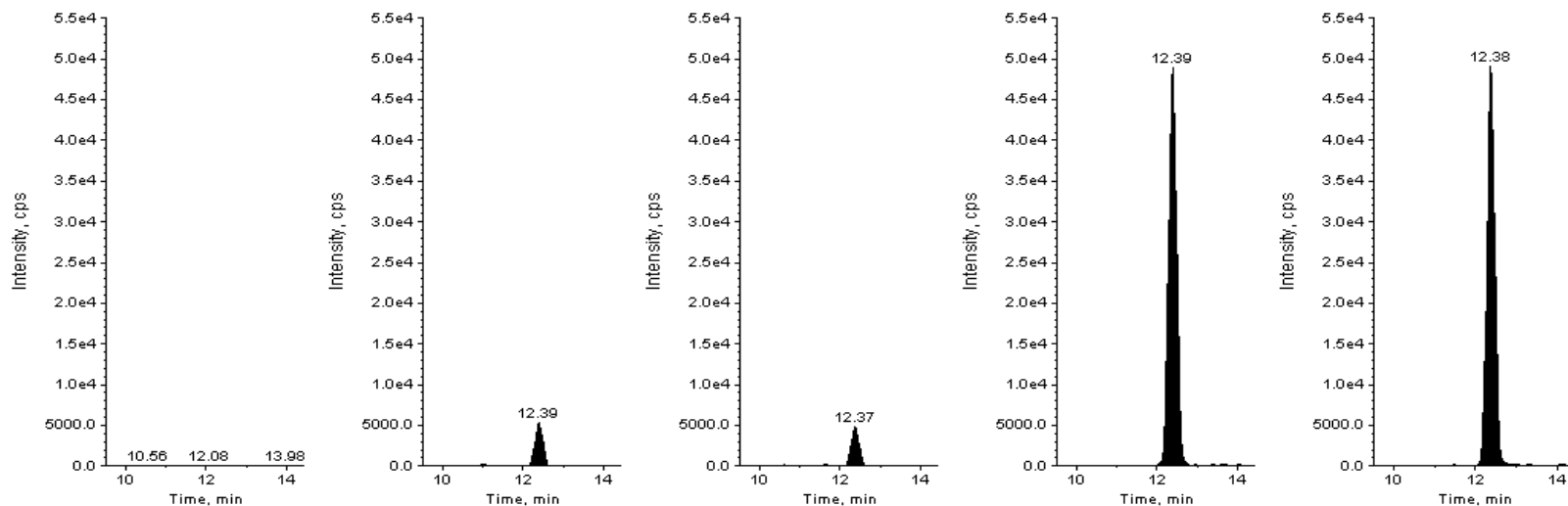


Figure: Second MRM of Carbaryl: 202 amu $\rightarrow$ 127 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

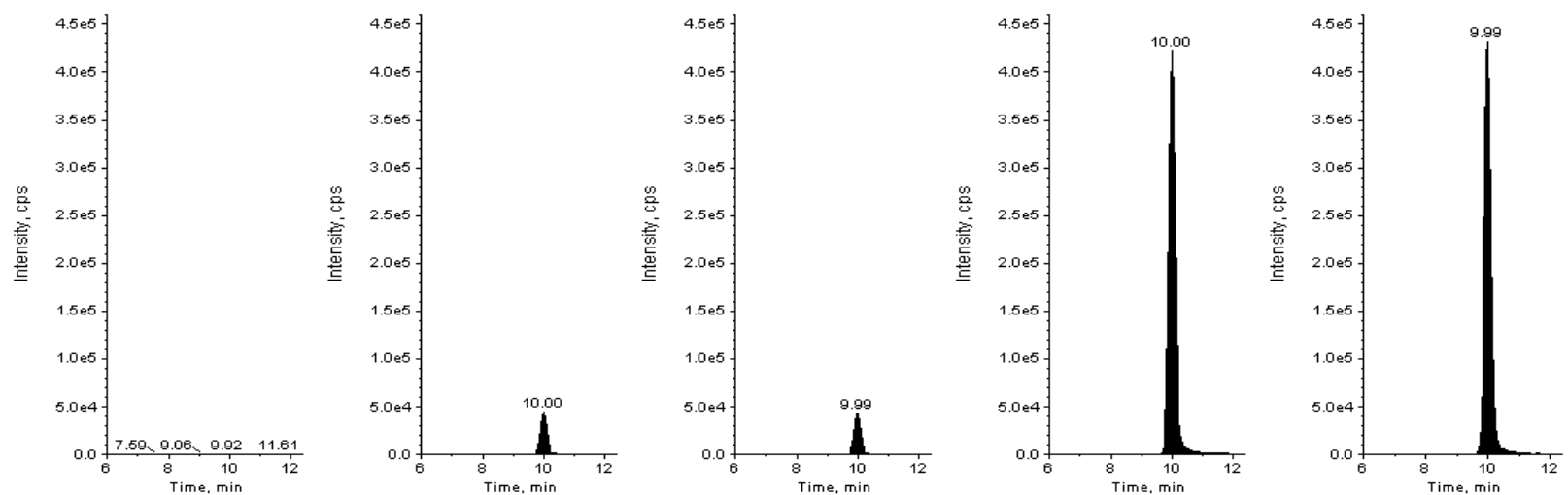


Figure: First MRM of Carbendazim: 192 amu $\rightarrow$ 160 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

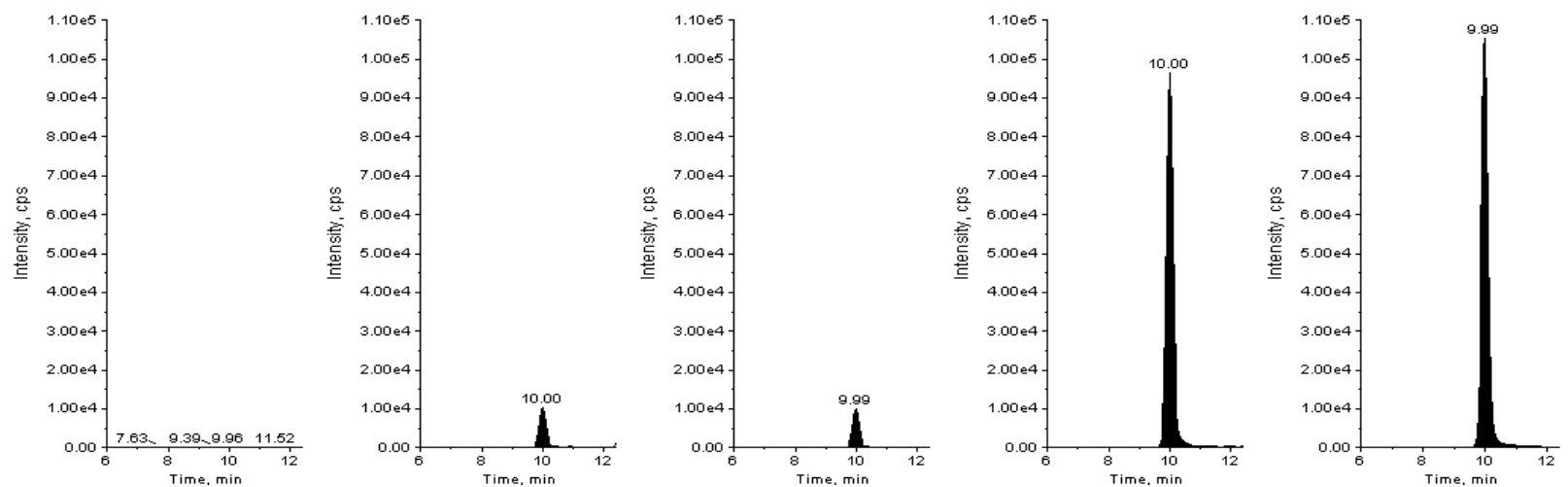


Figure: Second MRM of Carbendazim: 192 amu $\rightarrow$ 132 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

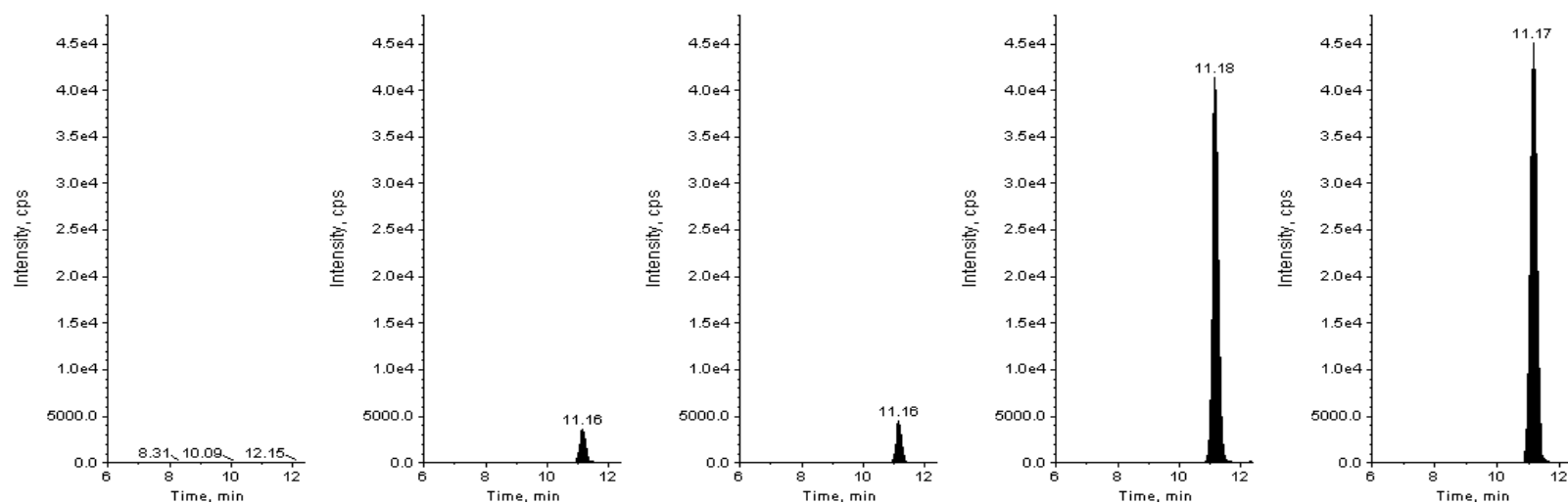


Figure: First MRM of Carbetamide: 237 amu → 118 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

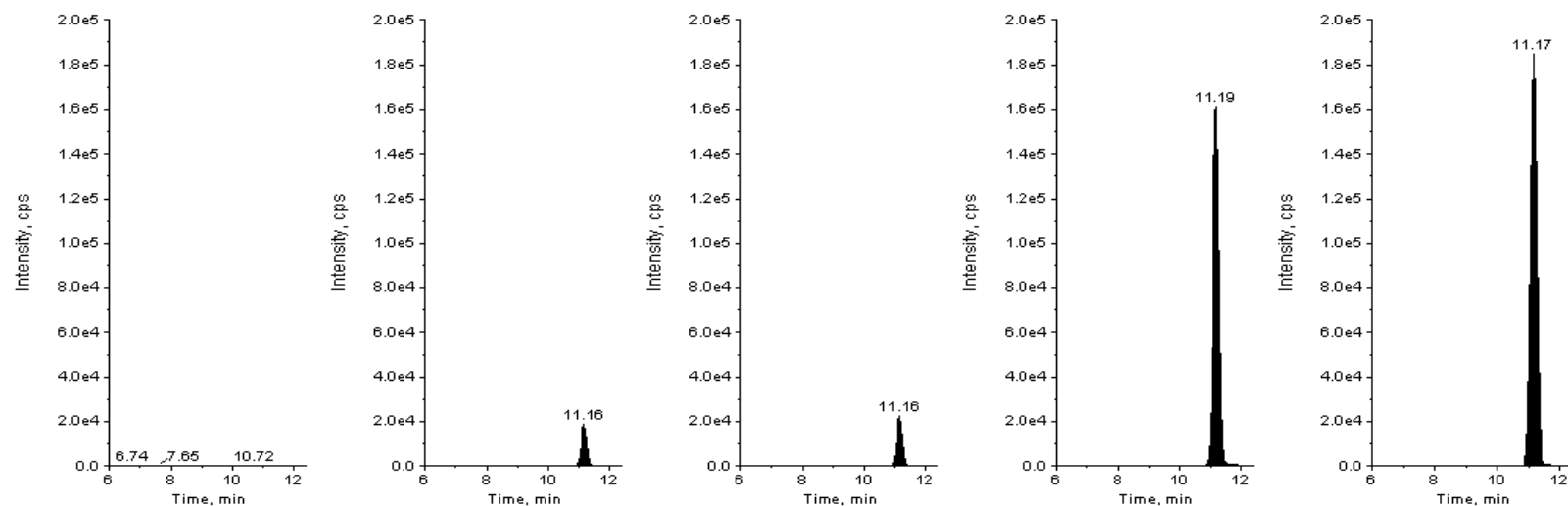


Figure: Second MRM of Carbetamide: 237 amu → 192 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

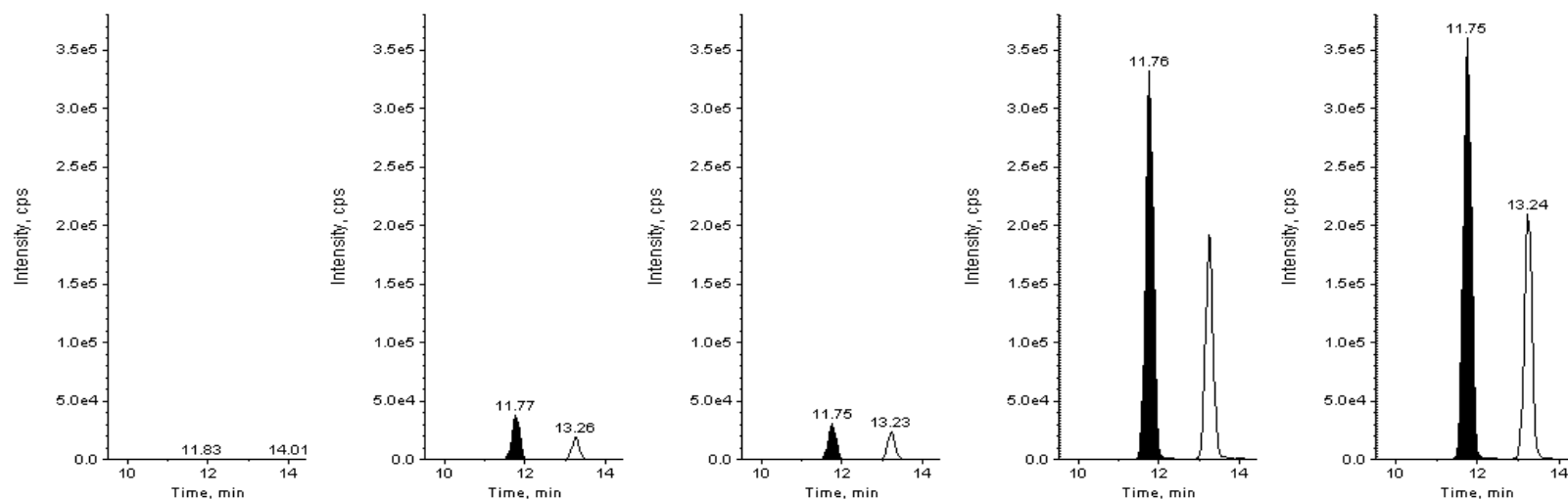


Figure: First MRM of Carbofuran: 222 amu $\rightarrow$ 165 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

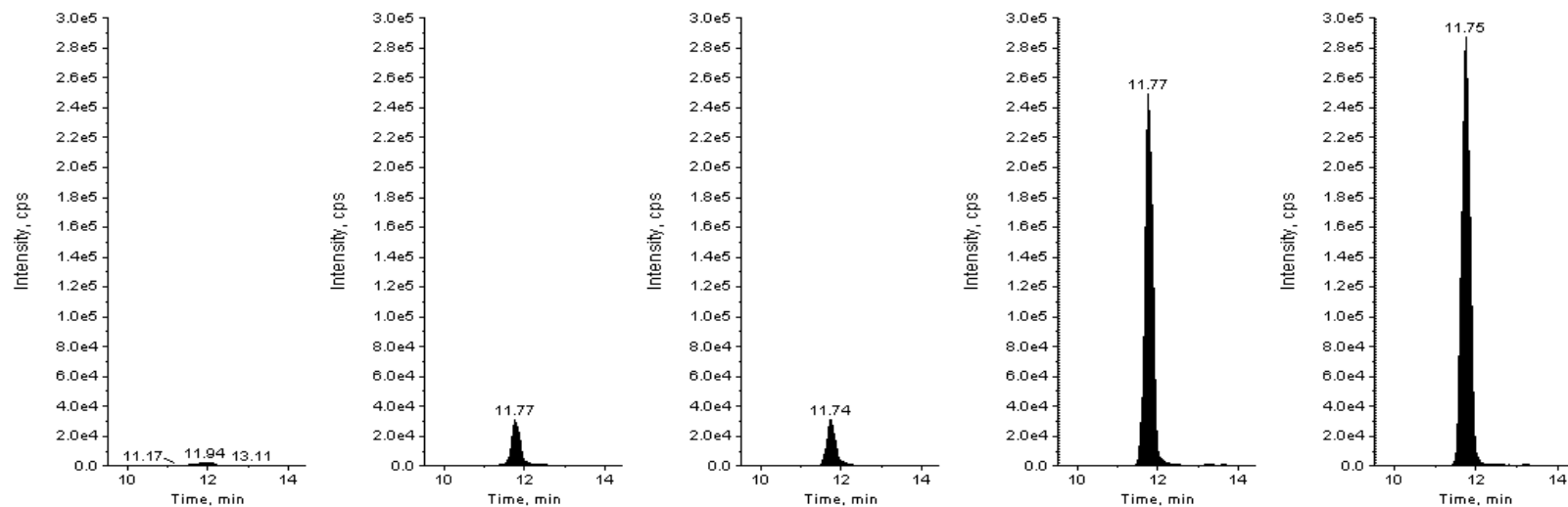


Figure: Second MRM of Carbofuran: 222 amu $\rightarrow$ 123 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

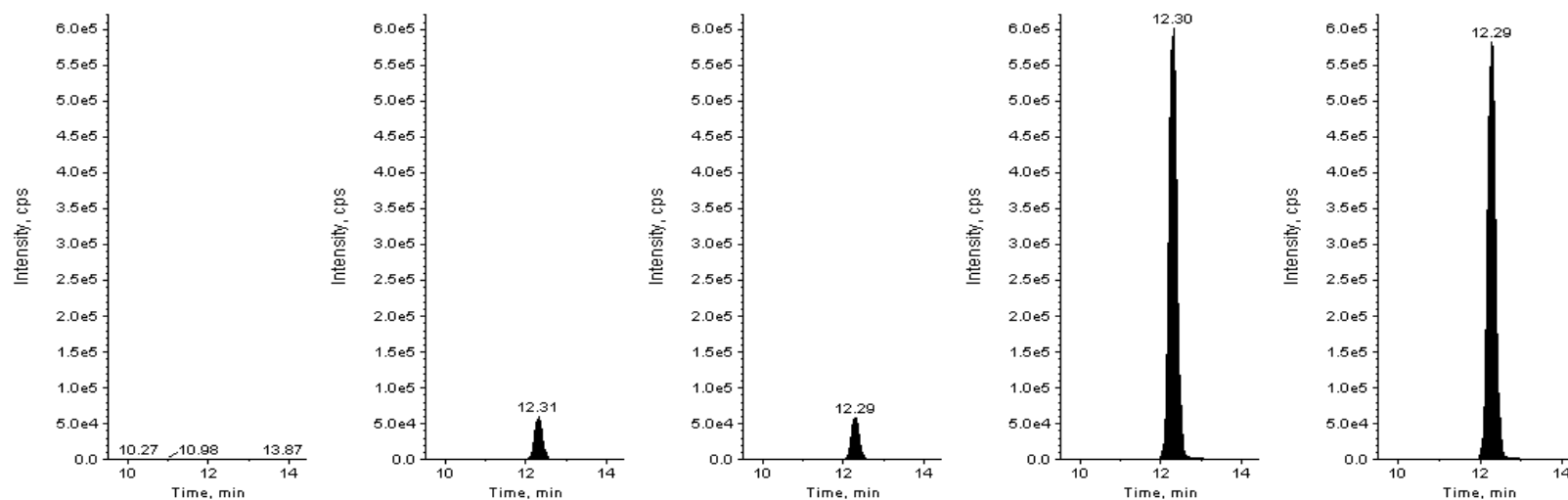


Figure: First MRM of Carboxin: 236 amu $\rightarrow$ 143 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

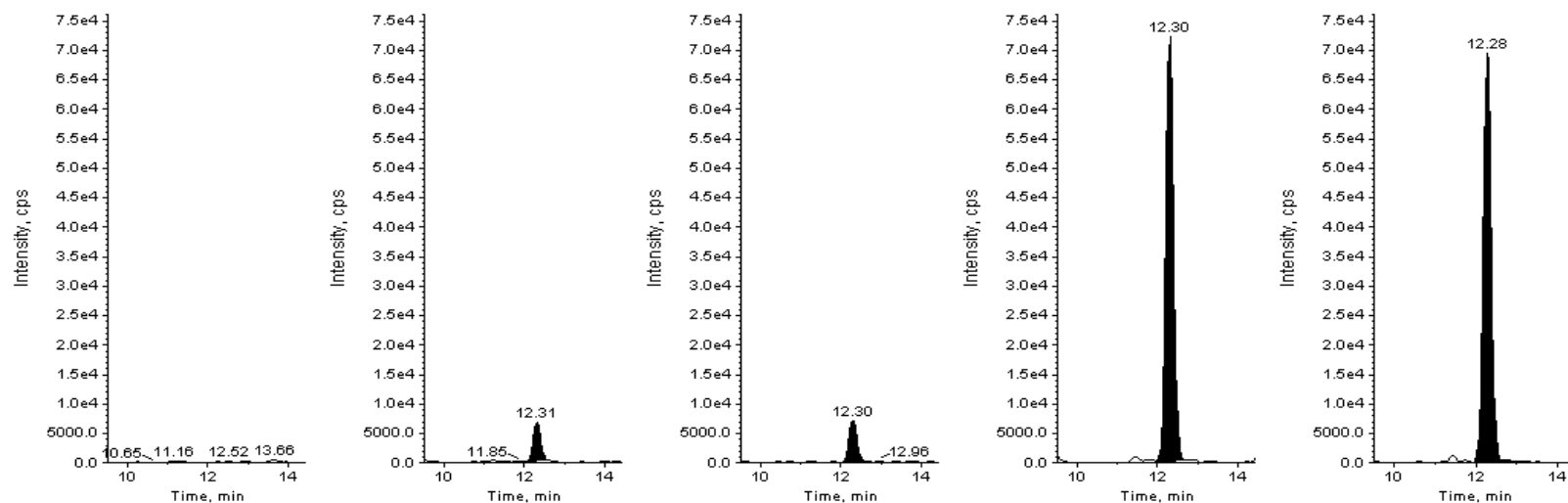


Figure: Second MRM of Carboxin: 236 amu $\rightarrow$ 87 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

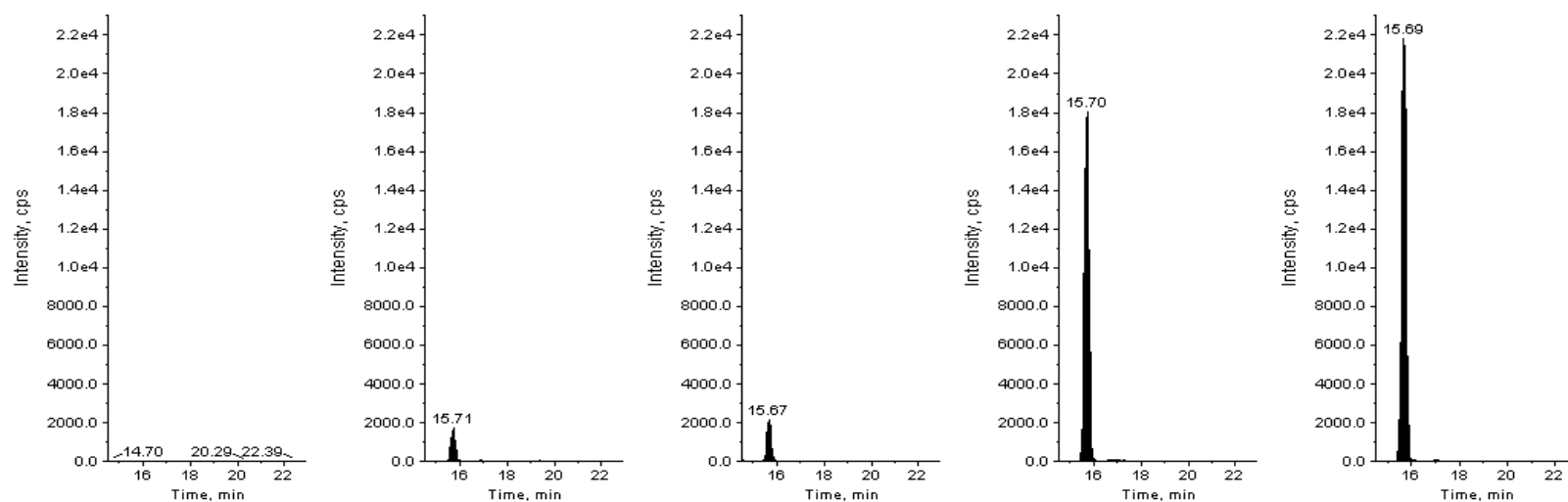


Figure: First MRM of Carfentrazone-ethyl: 412 amu → 366 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

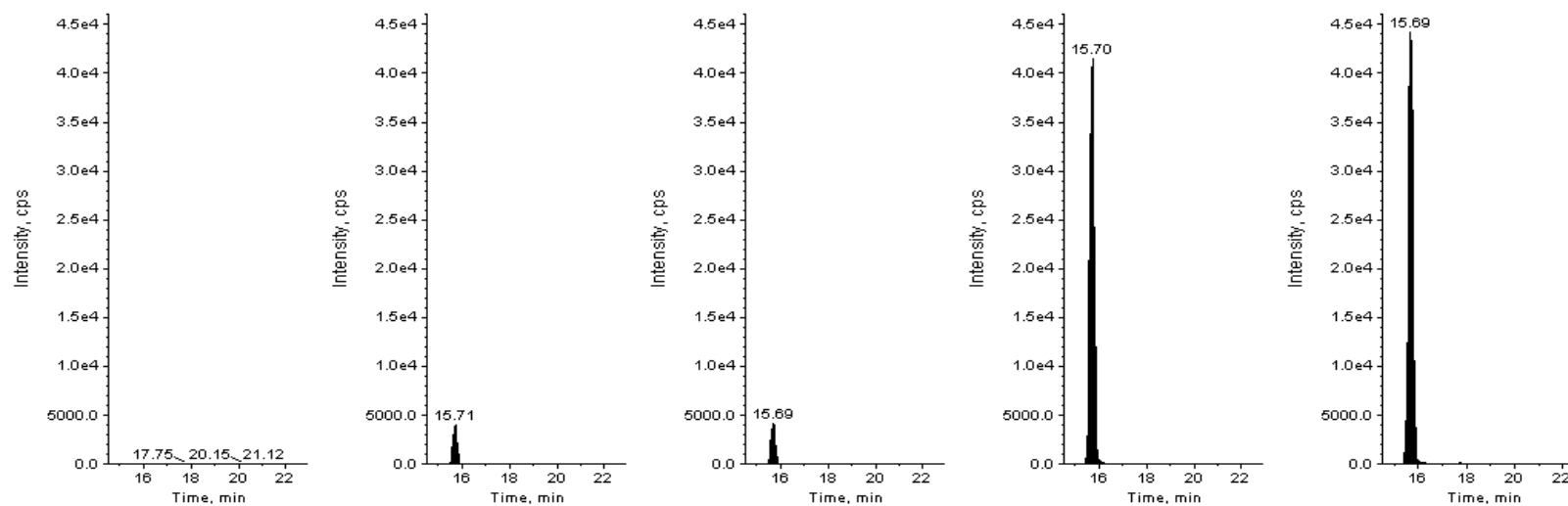


Figure: Second MRM of Carfentrazone-ethyl: 412 amu → 346 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

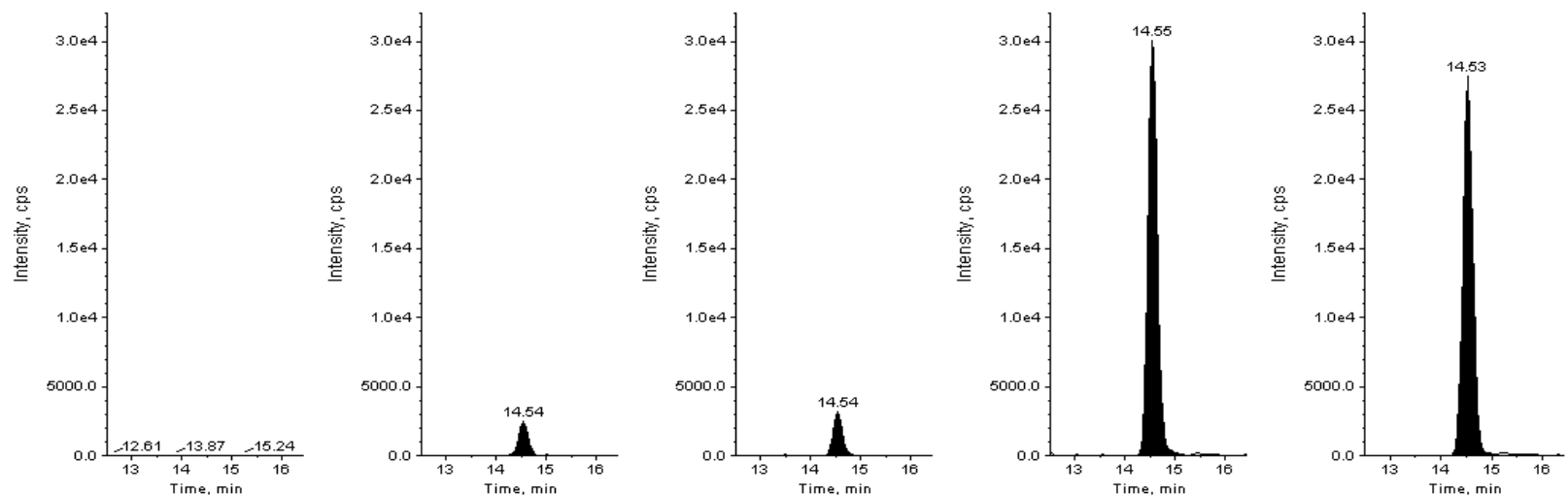


Figure: First MRM of Chlorbromuron: 293 amu → 182 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

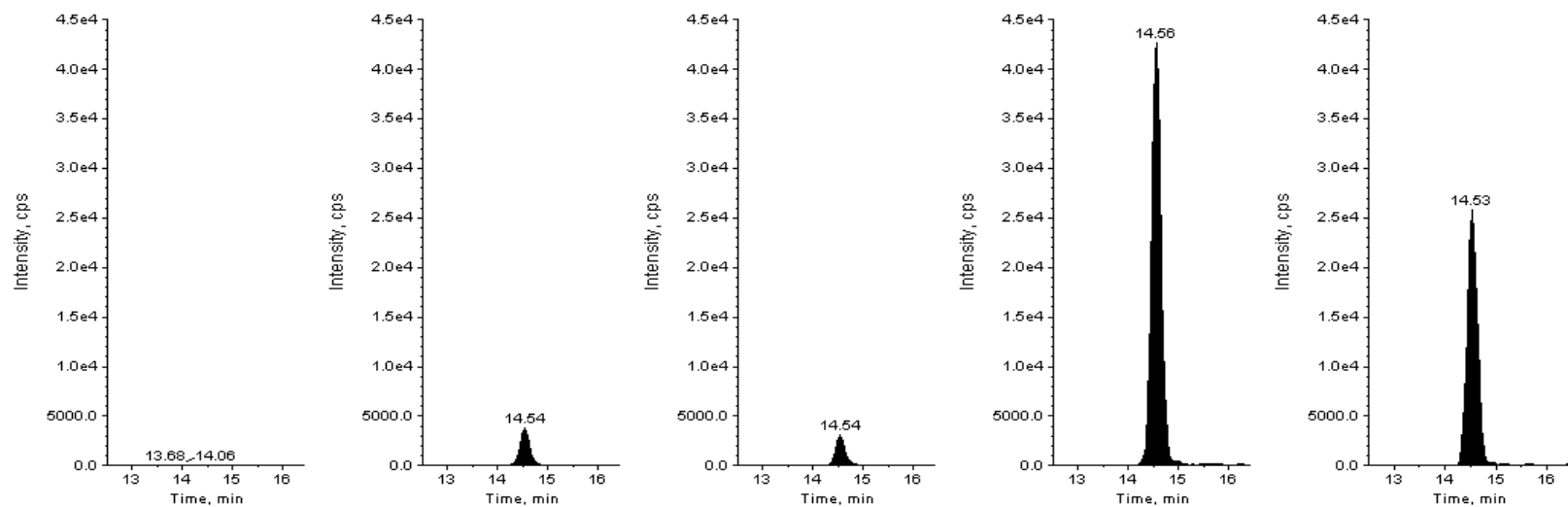


Figure: Second MRM of Chlorbromuron: 293 amu → 204 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

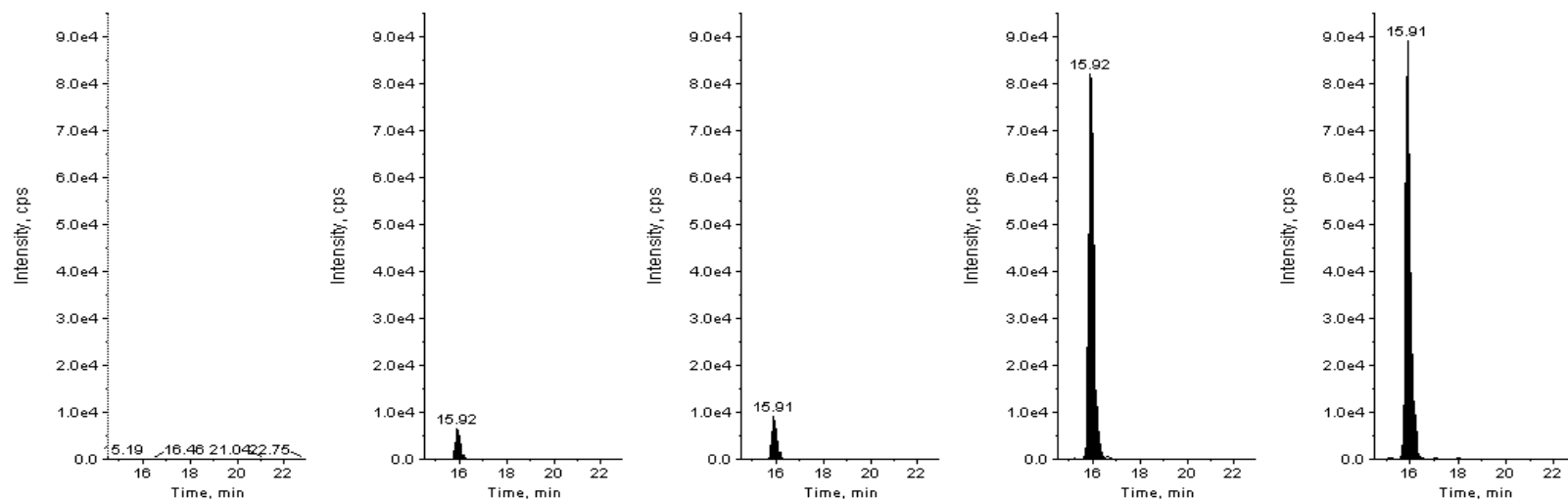


Figure: First MRM of Chlorfenvinphos: 359 amu → 155 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

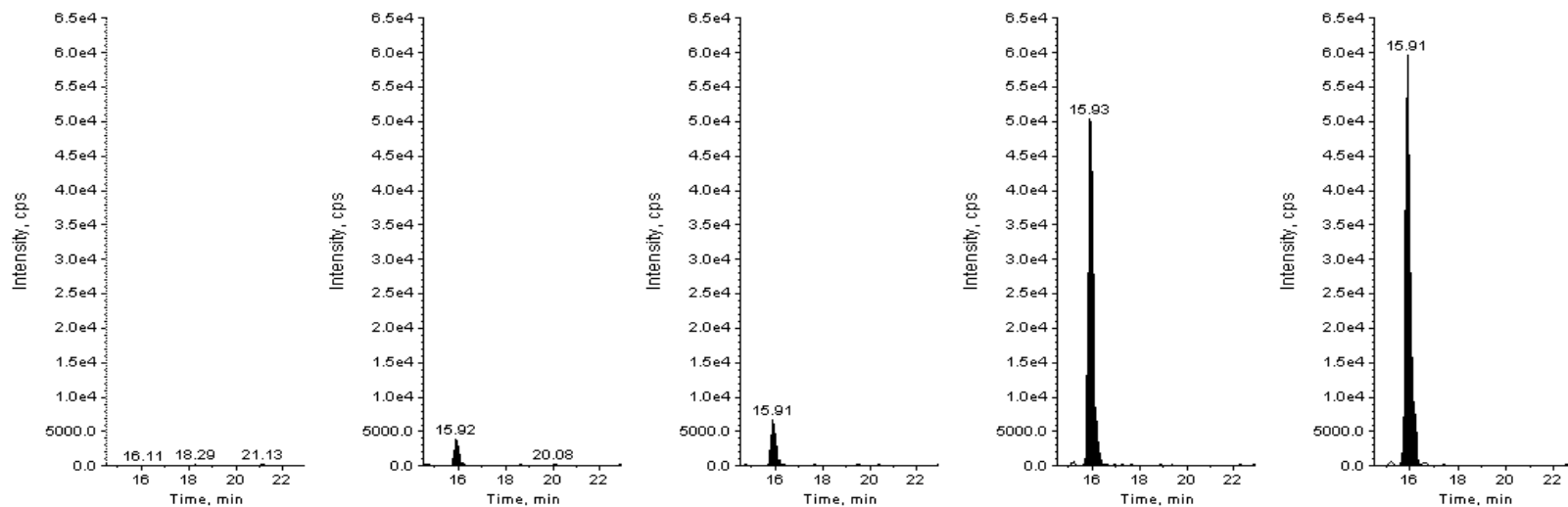


Figure: Second MRM of Chlorfenvinphos: 359 amu → 99 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

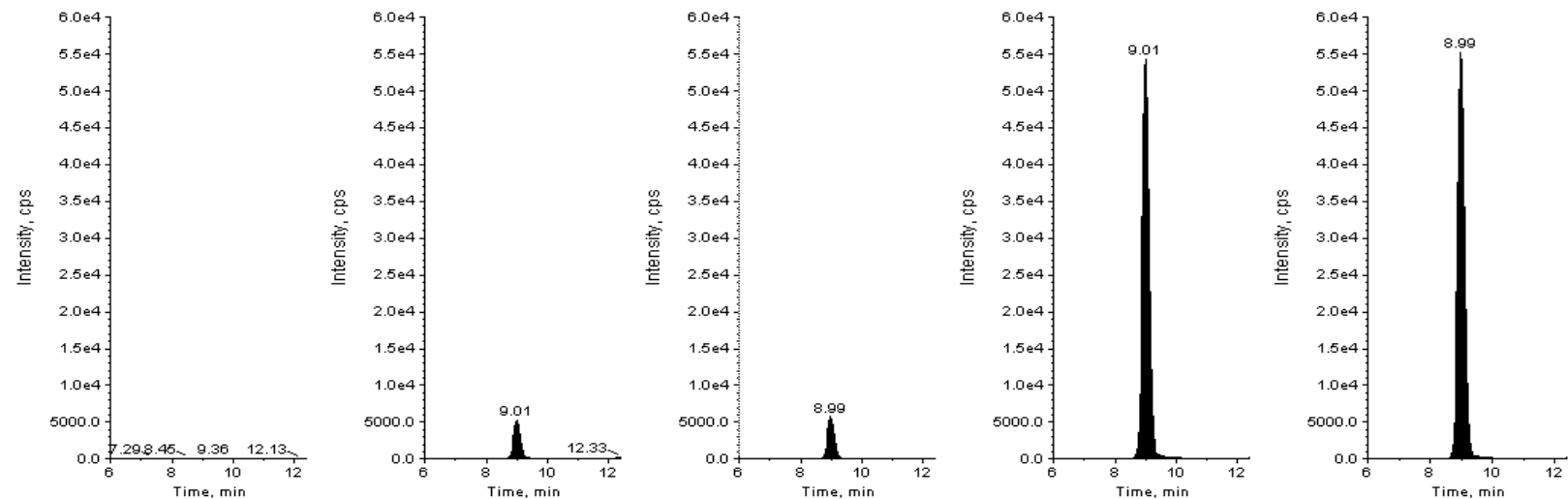


Figure: First MRM of Chloridazon: 222 amu → 92 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

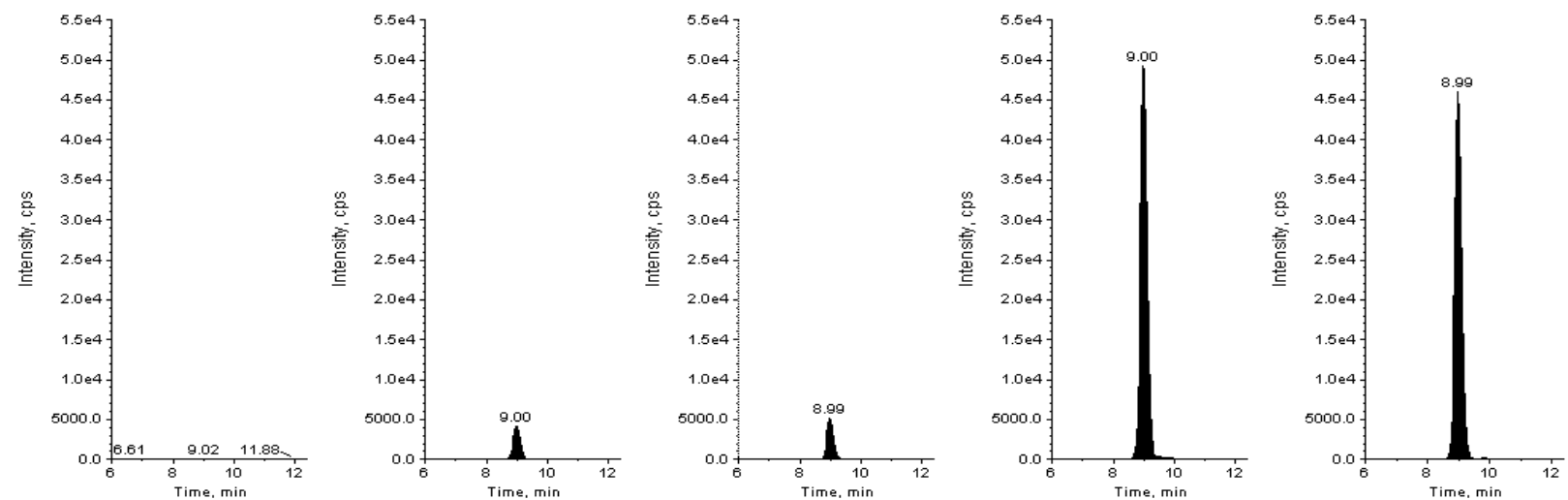


Figure: Second MRM of Chloridazon: 222 amu → 104 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

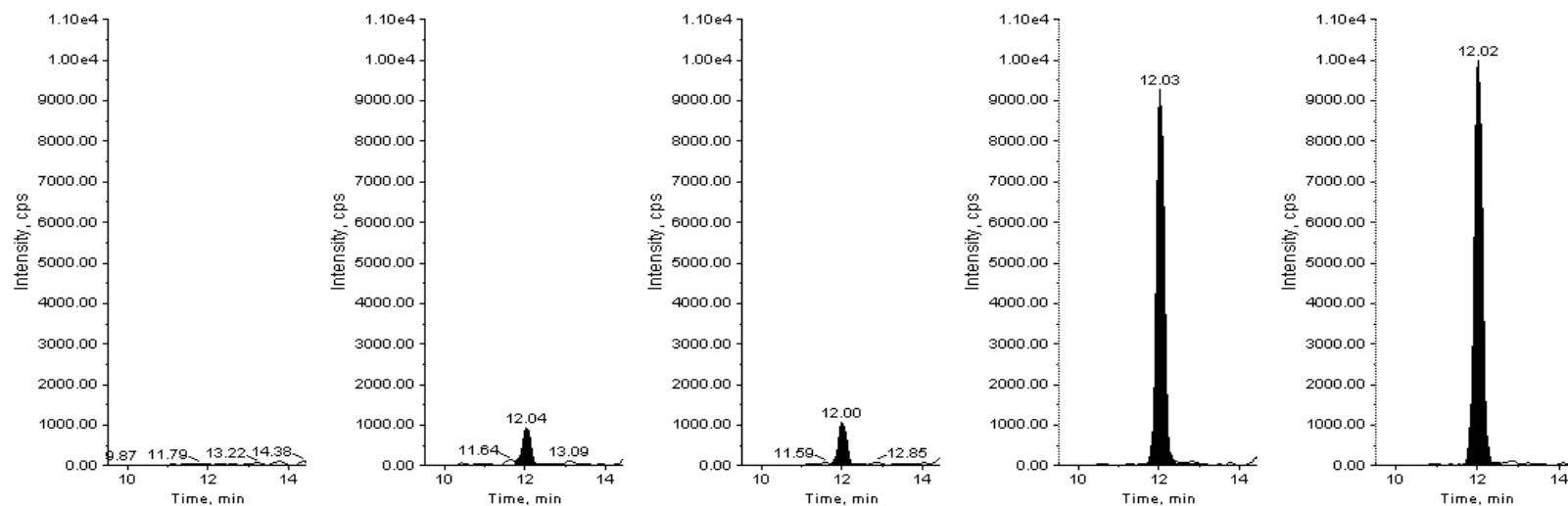


Figure: First MRM of Chlorimuron-ethyl: 415 amu → 121 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

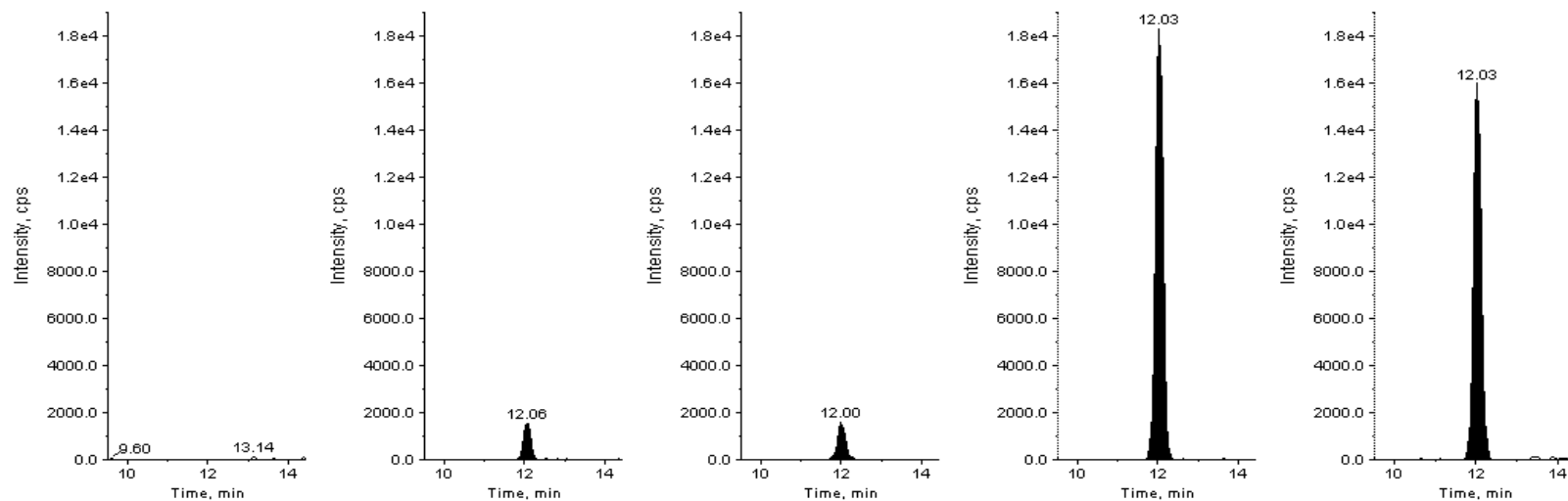


Figure: Second MRM of Chlorimuron-ethyl: 415 amu → 186 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

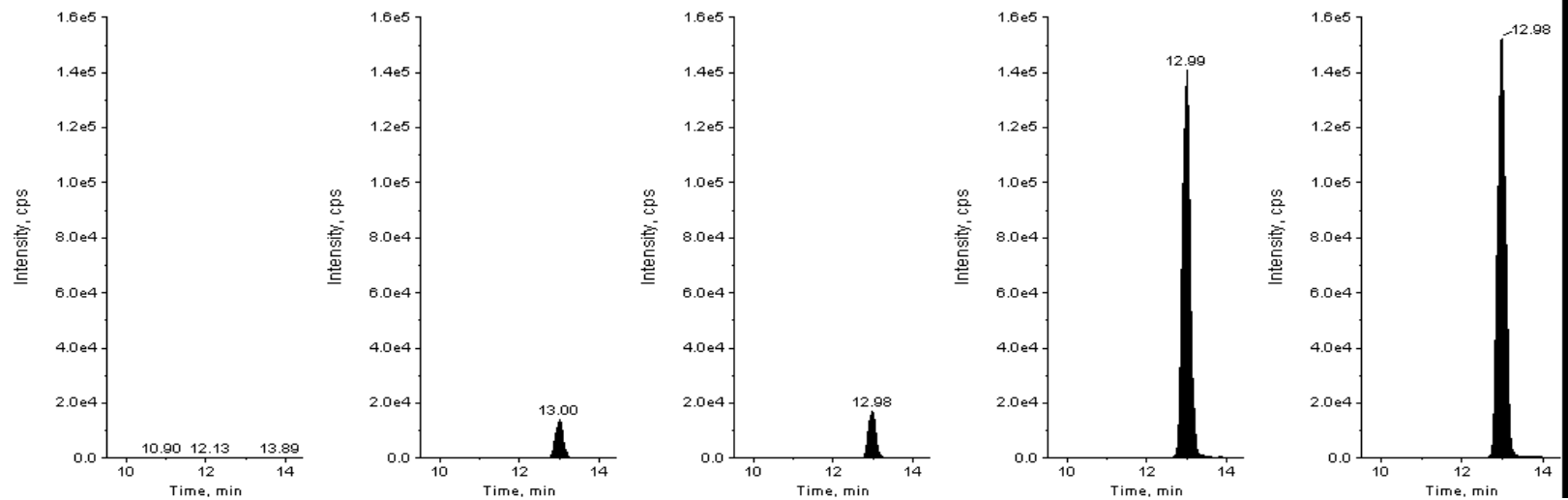


Figure: First MRM of Chlorotoluron: 213 amu → 72 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

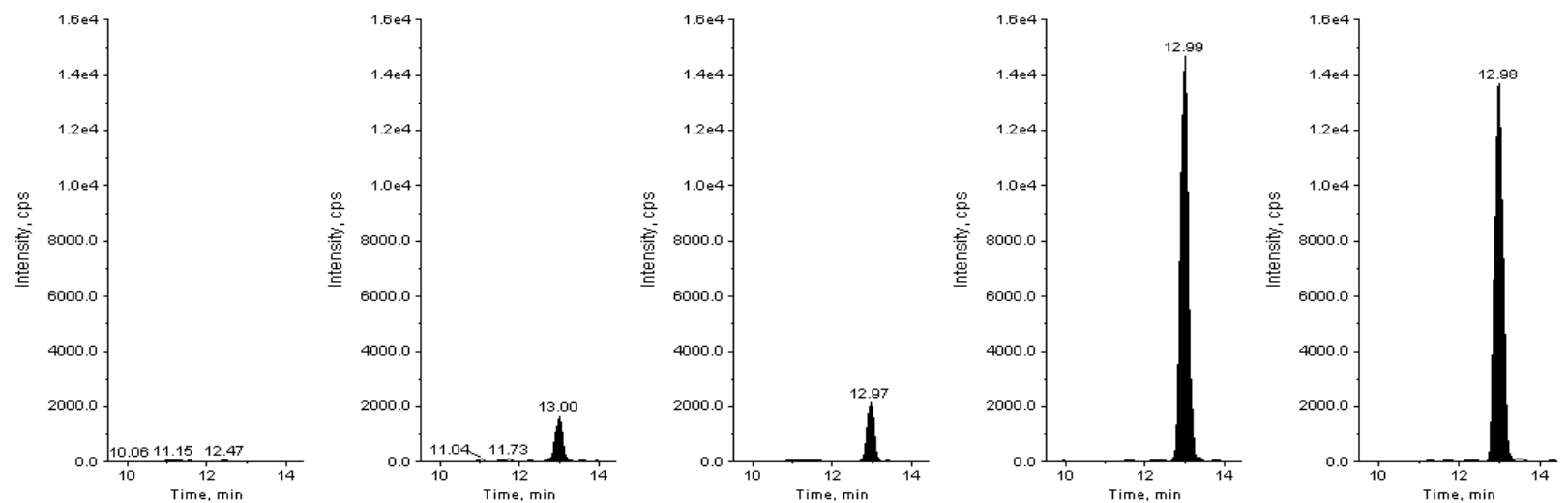


Figure: Second MRM of Chlorotoluron: 213 amu → 140 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

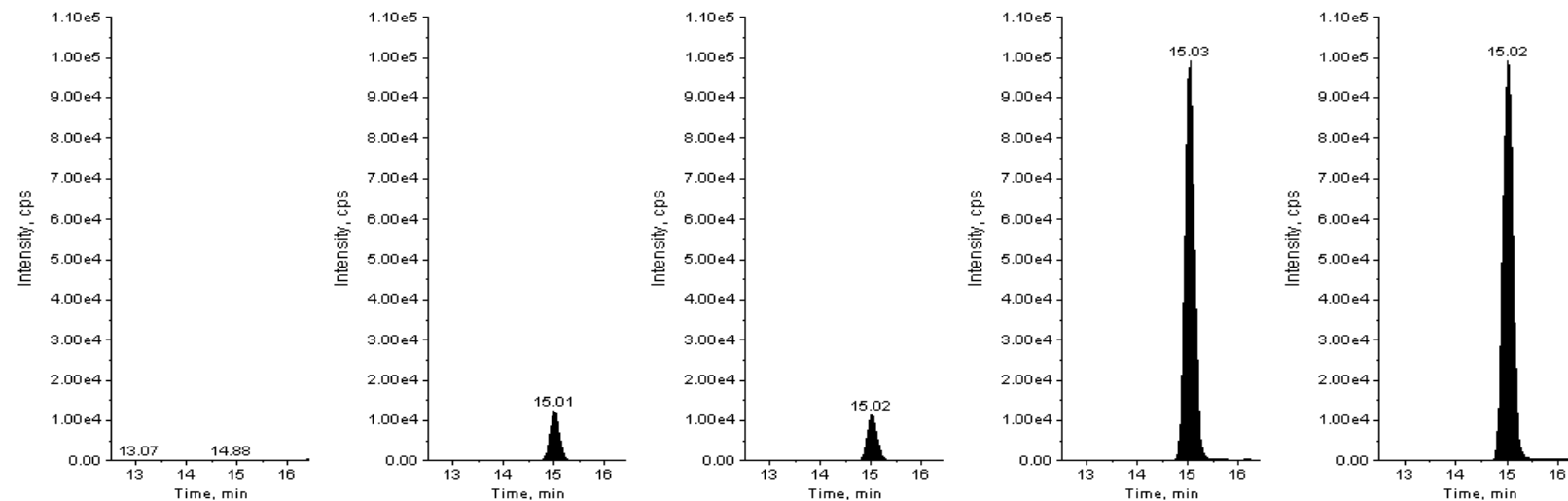


Figure: First MRM of Chloroxuron: 291 amu $\rightarrow$ 72 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

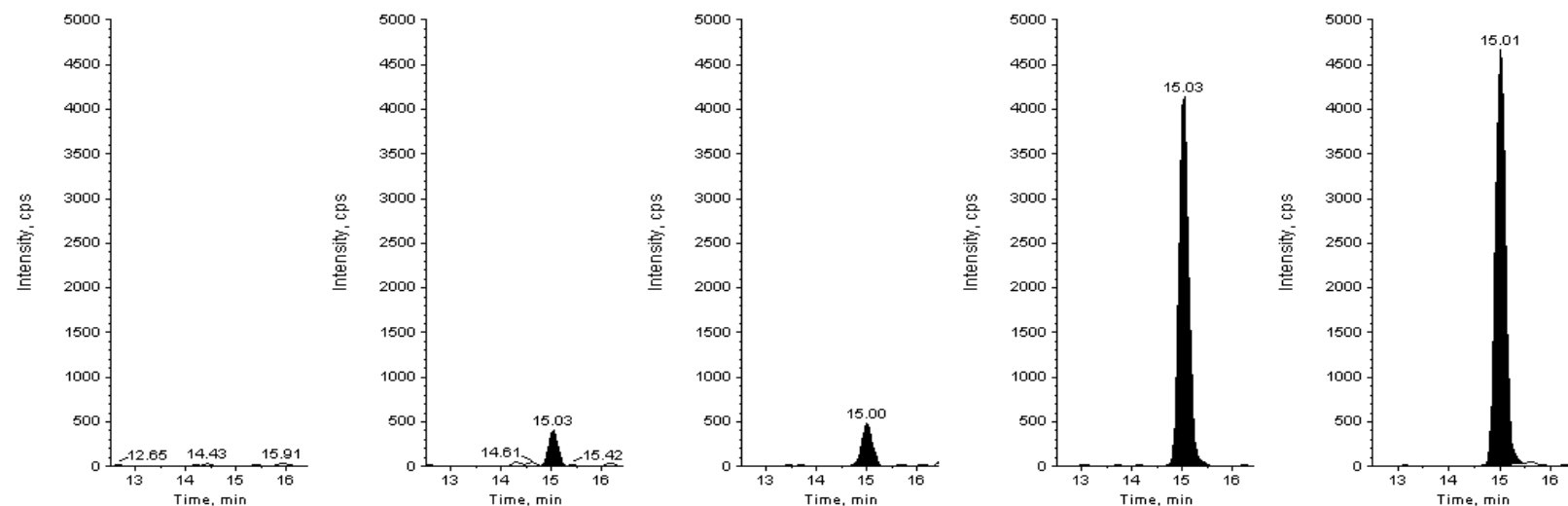


Figure: Second MRM of Chloroxuron: 291 amu $\rightarrow$ 218 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

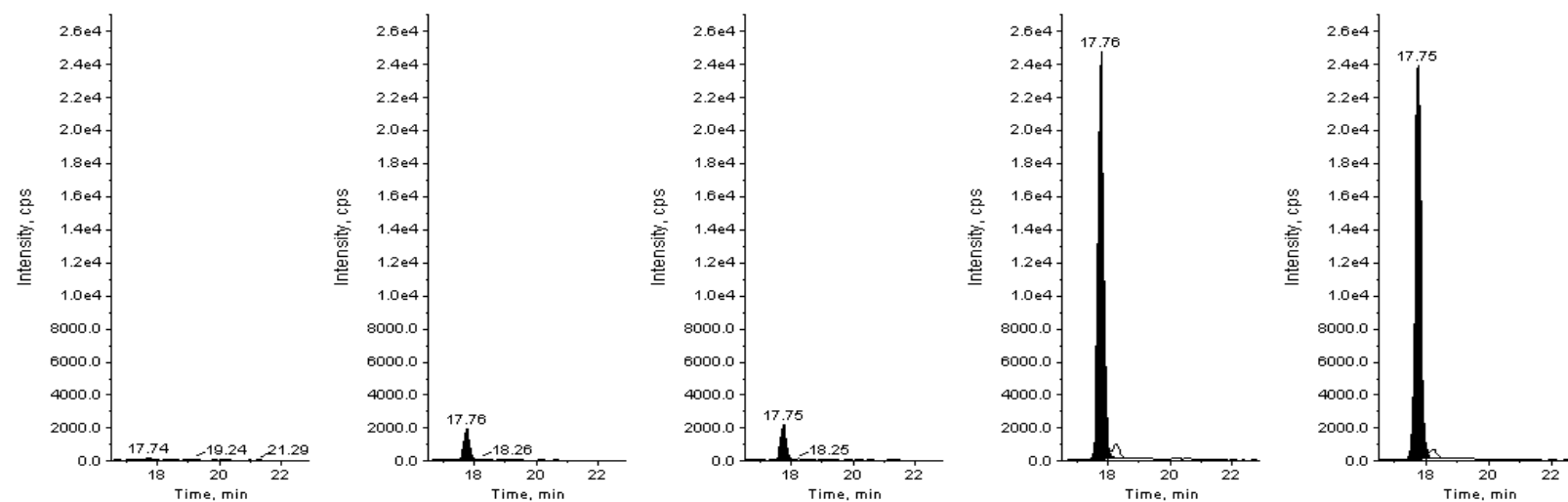


Figure: First MRM of Chlorpyrifos: 350 amu → 97 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

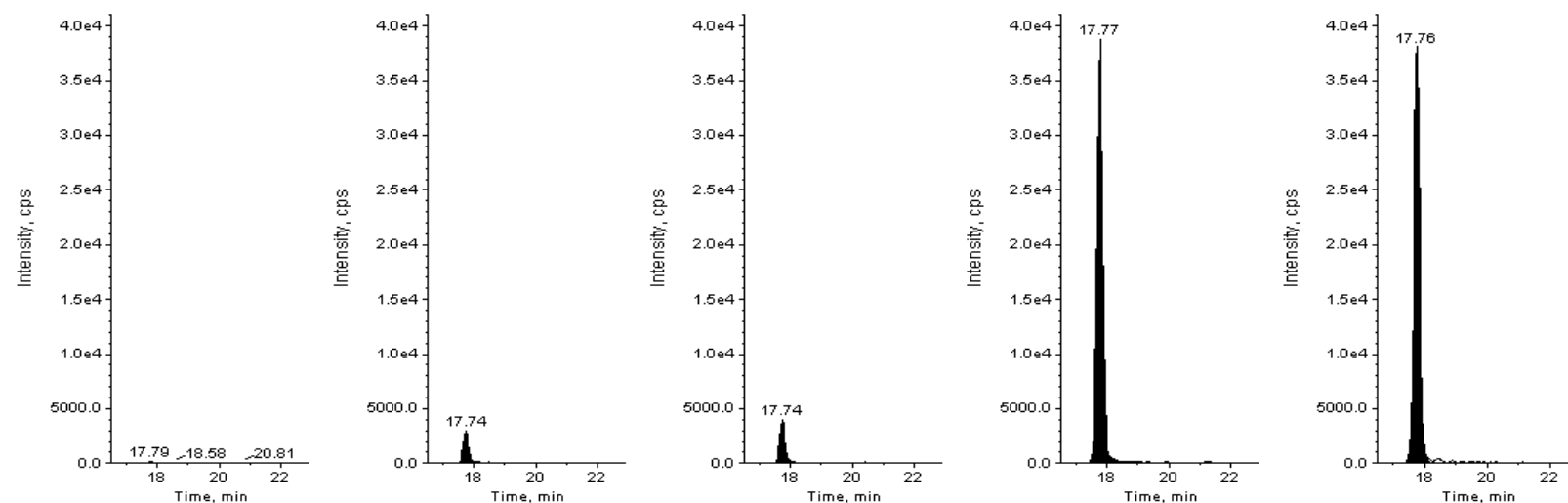


Figure: Second MRM of Chlorpyrifos: 350 amu → 198 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

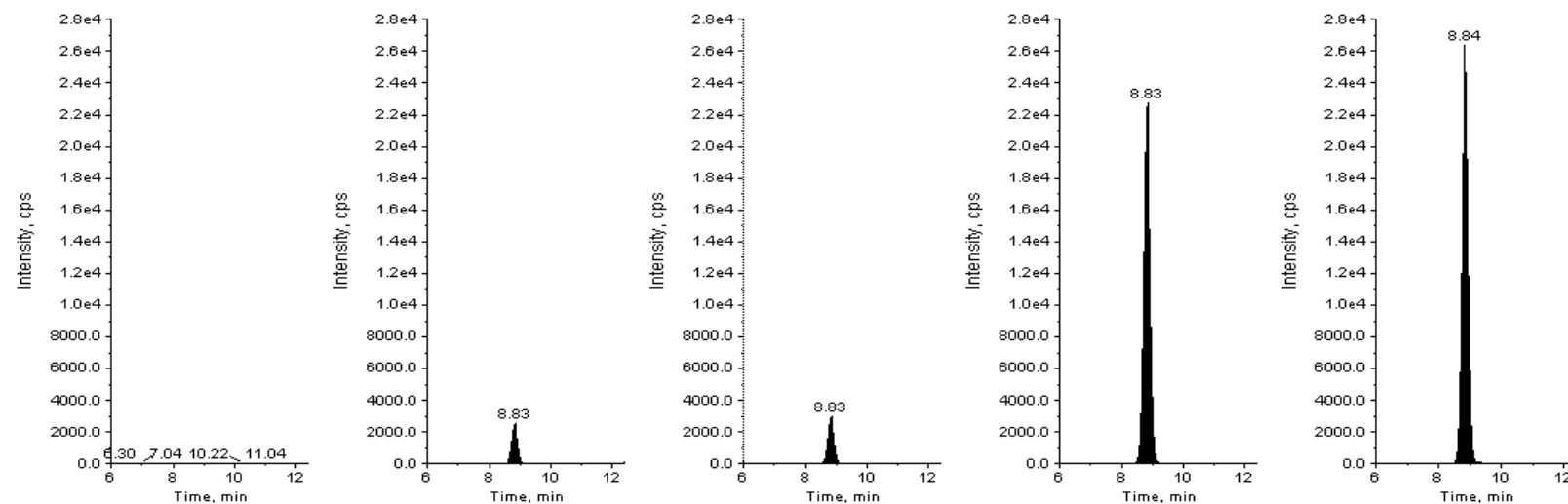


Figure: First MRM of Chlorsulfuron: 358 amu $\rightarrow$ 141 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

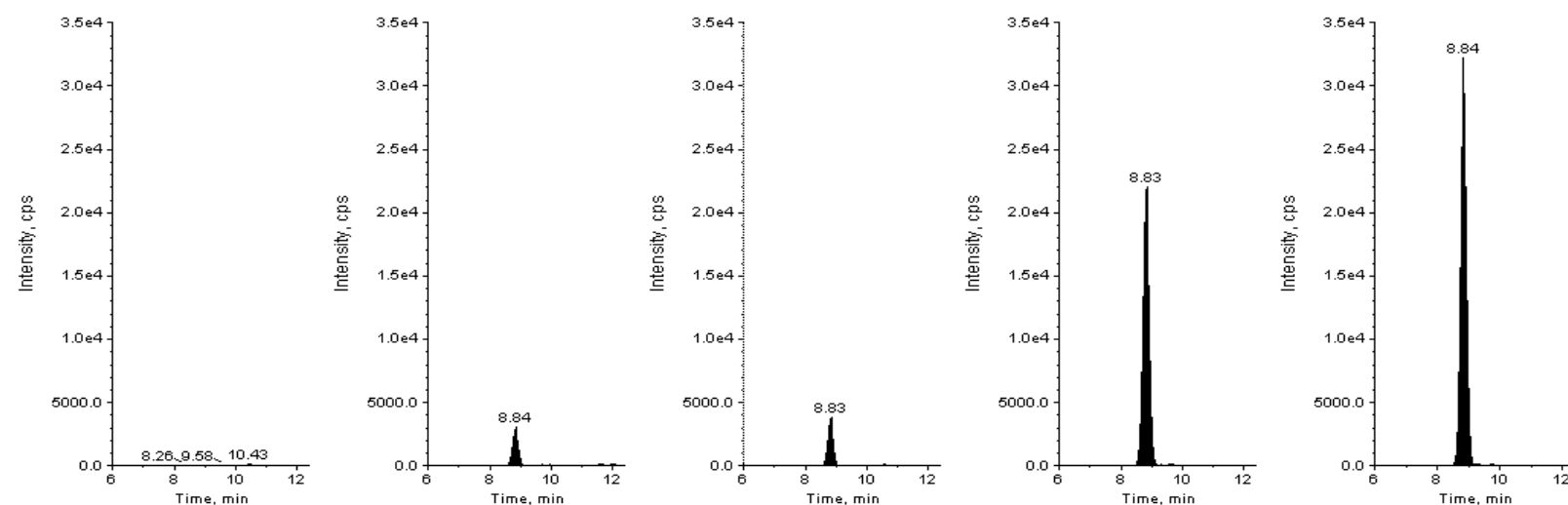


Figure: Second MRM of Chlorsulfuron: 358 amu $\rightarrow$ 167 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

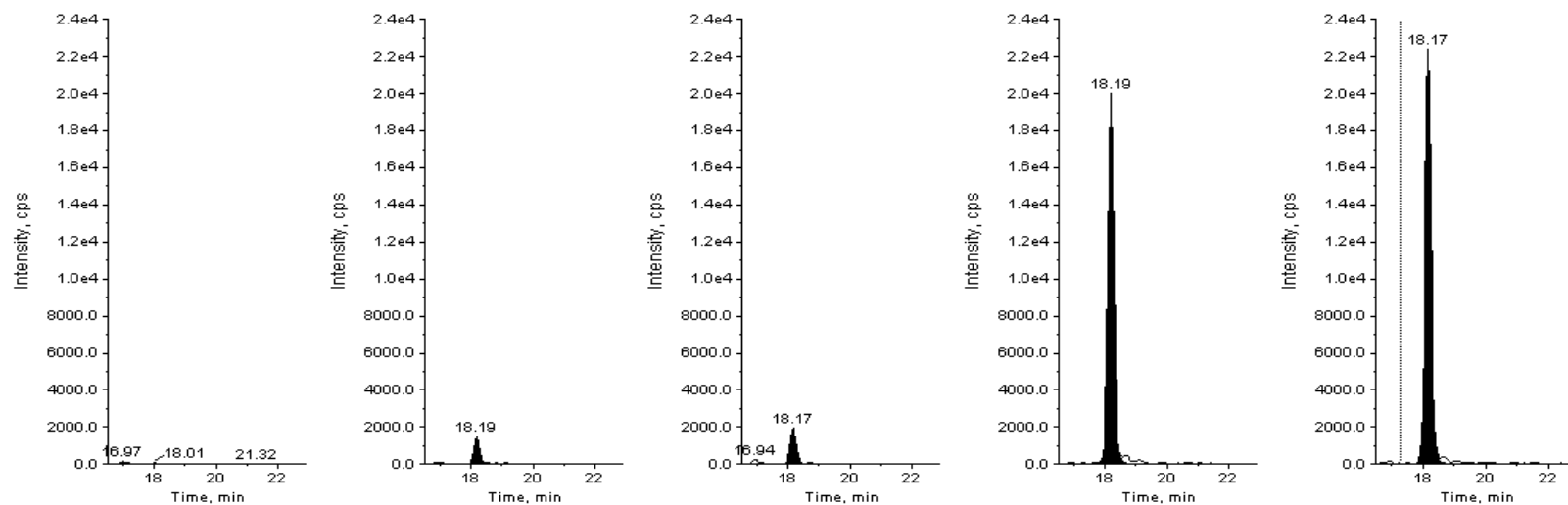


Figure: First MRM of Chlorthiophos: 361 amu → 305 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

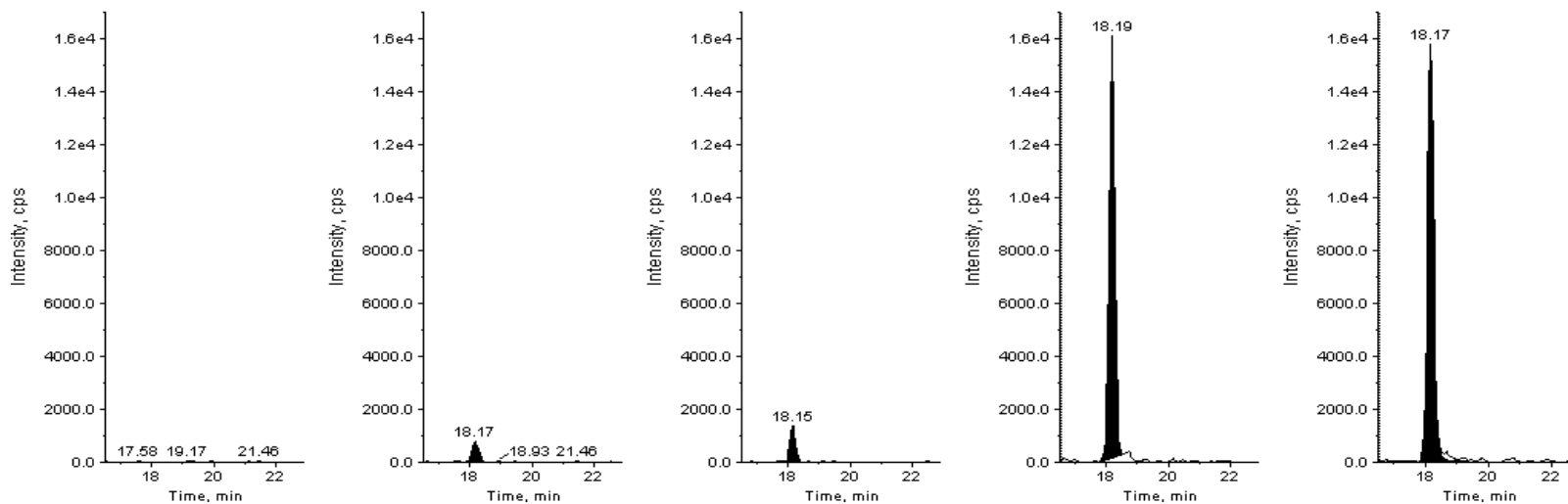


Figure: Second MRM of Chlorthiophos: 361 amu → 333 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

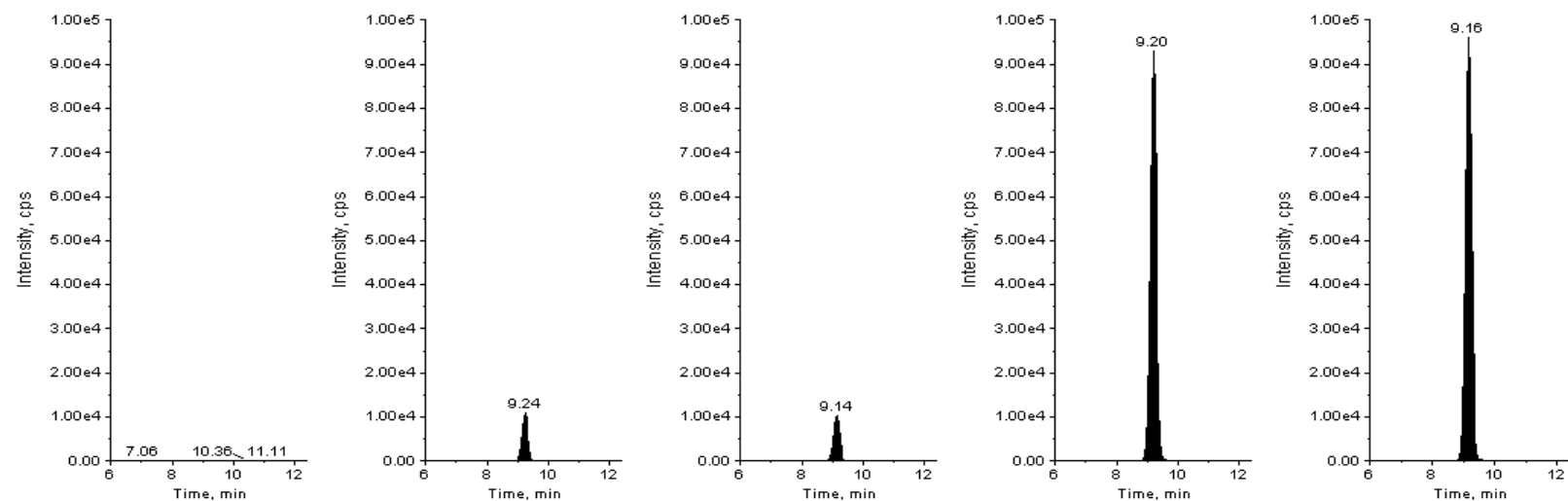


Figure: First MRM of Cinosulfuron: 414 amu $\rightarrow$ 183 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

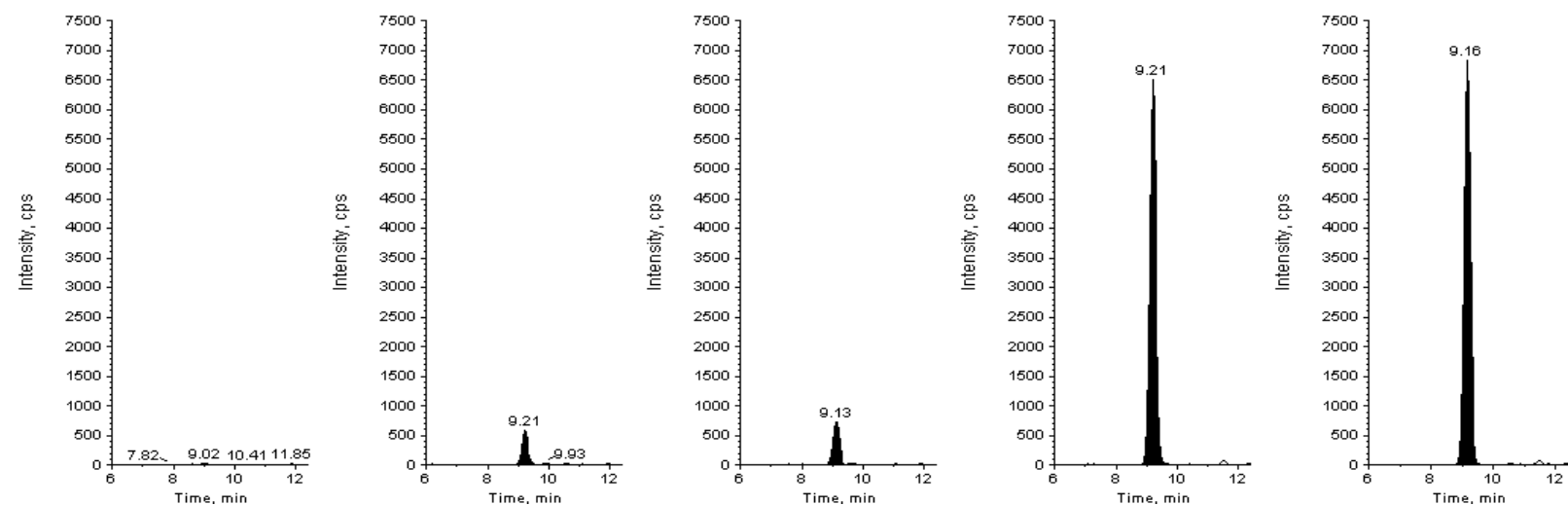


Figure: Second MRM of Cinosulfuron: 414 amu $\rightarrow$ 215 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

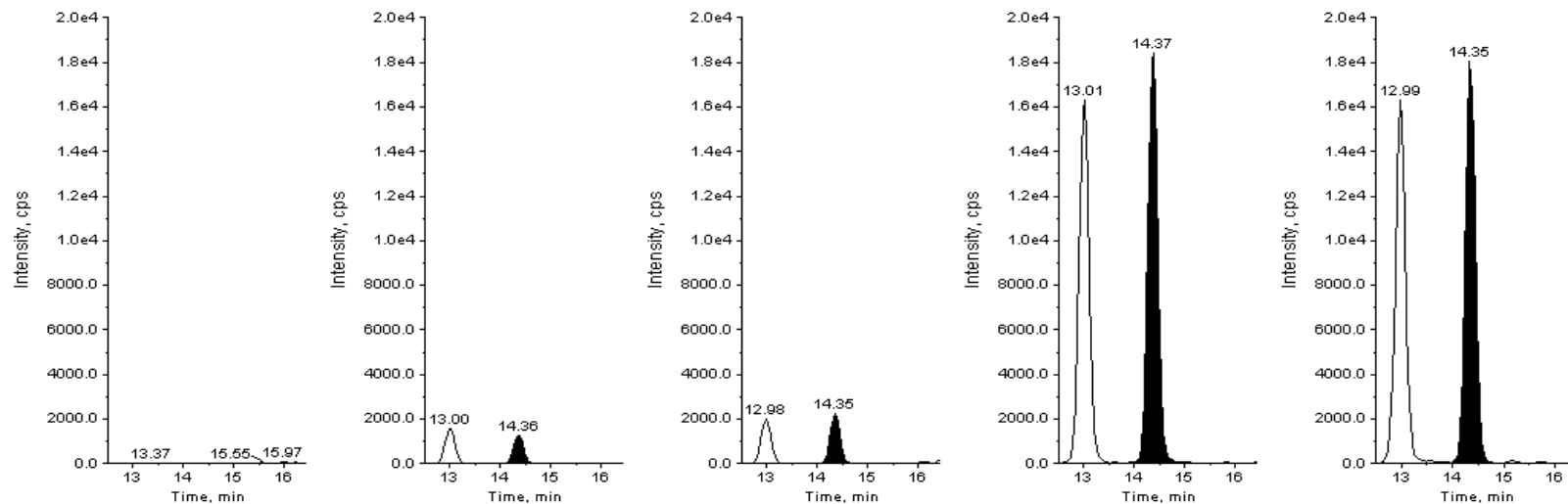


Figure: First MRM of Clethodim: 360 amu → 268 amu
(Control sample, standard 0.1µg/L, spiked sample 0.1µg/L, standard 1.0µg/L, spiked sample 1.0µg/L, from left to right)

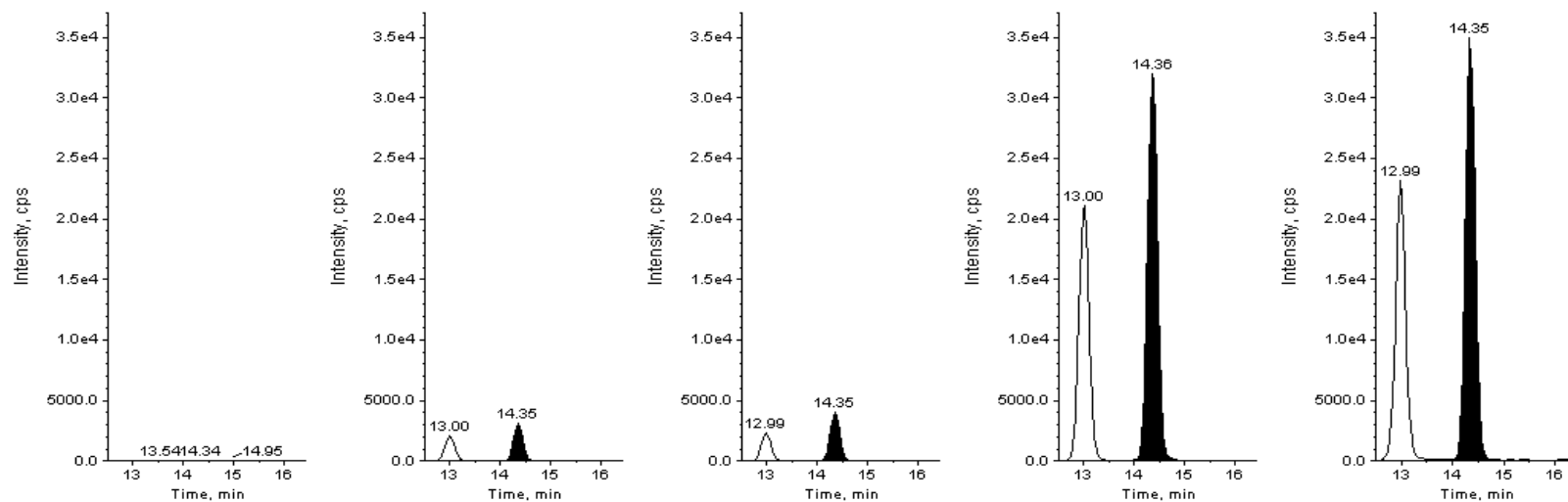


Figure: Second MRM of Clethodim: 360 amu → 164 amu
(Control sample, standard 0.1µg/L, spiked sample 0.1µg/L, standard 1.0µg/L, spiked sample 1.0µg/L, from left to right)

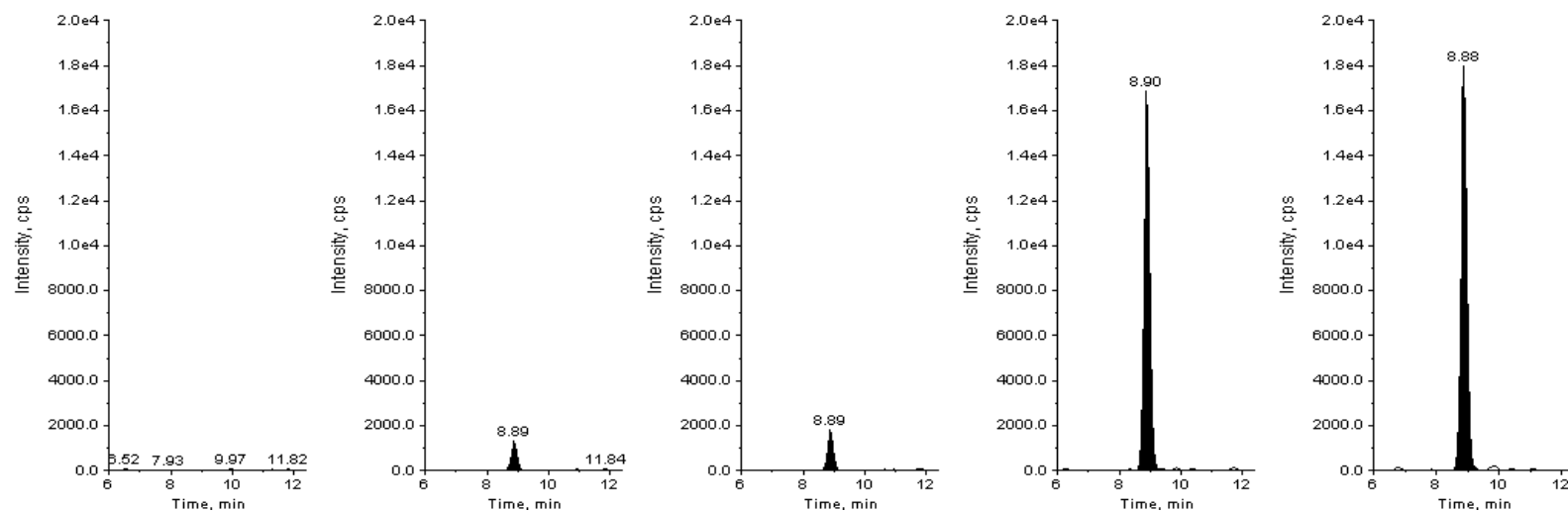


Figure: First MRM of Clethodim-imin-sulfon: 302 amu → 98 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

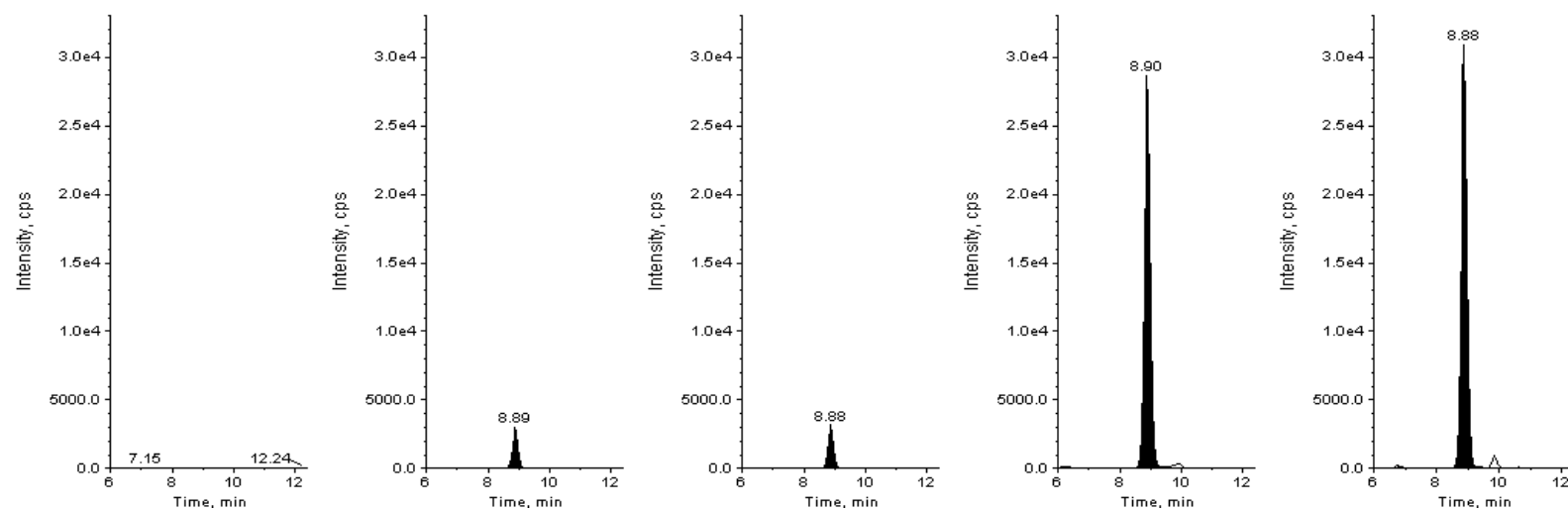


Figure: Second MRM of Clethodim-imin-sulfon: 302 amu → 208 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

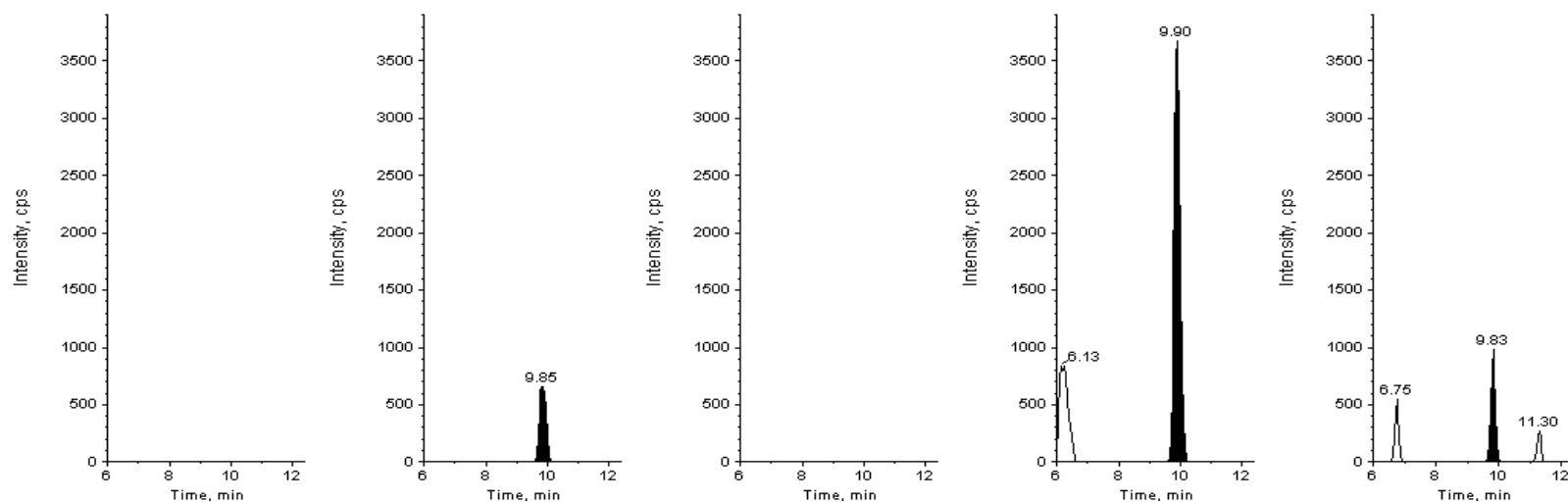


Figure: First MRM of Clethodim-sulfon: 392 amu $\rightarrow$ 164 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

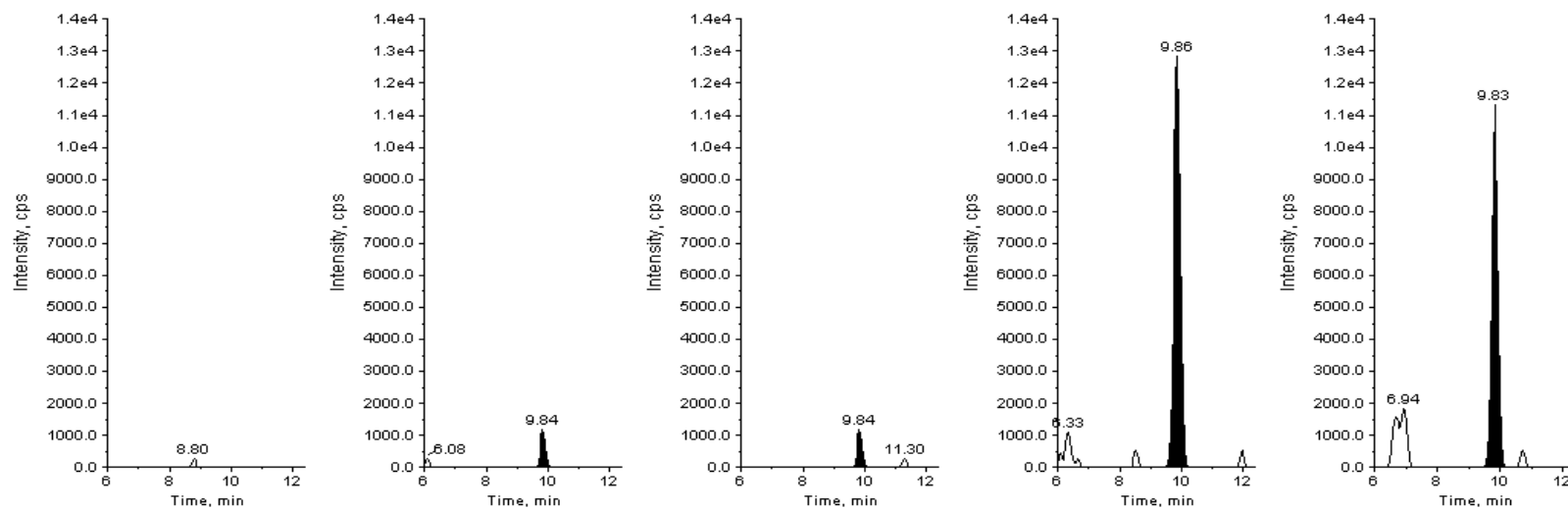


Figure: Second MRM of Clethodim-sulfon: 392 amu $\rightarrow$ 208 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

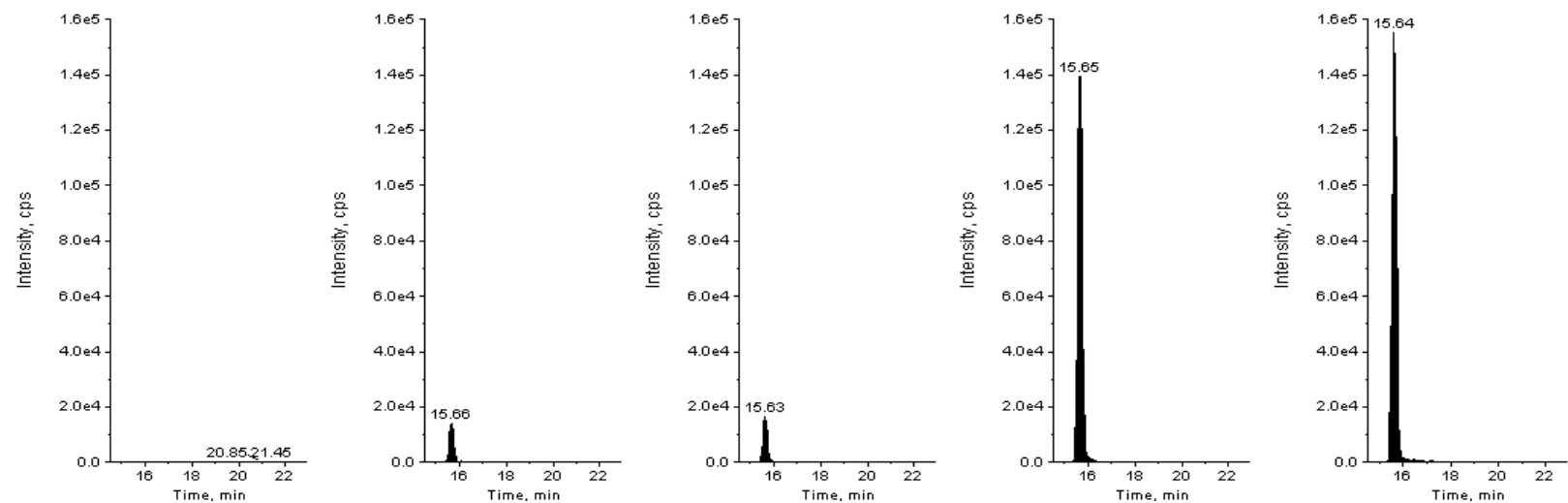


Figure: First MRM of Clodinafop-propargyl: 350 amu $\rightarrow$ 266 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

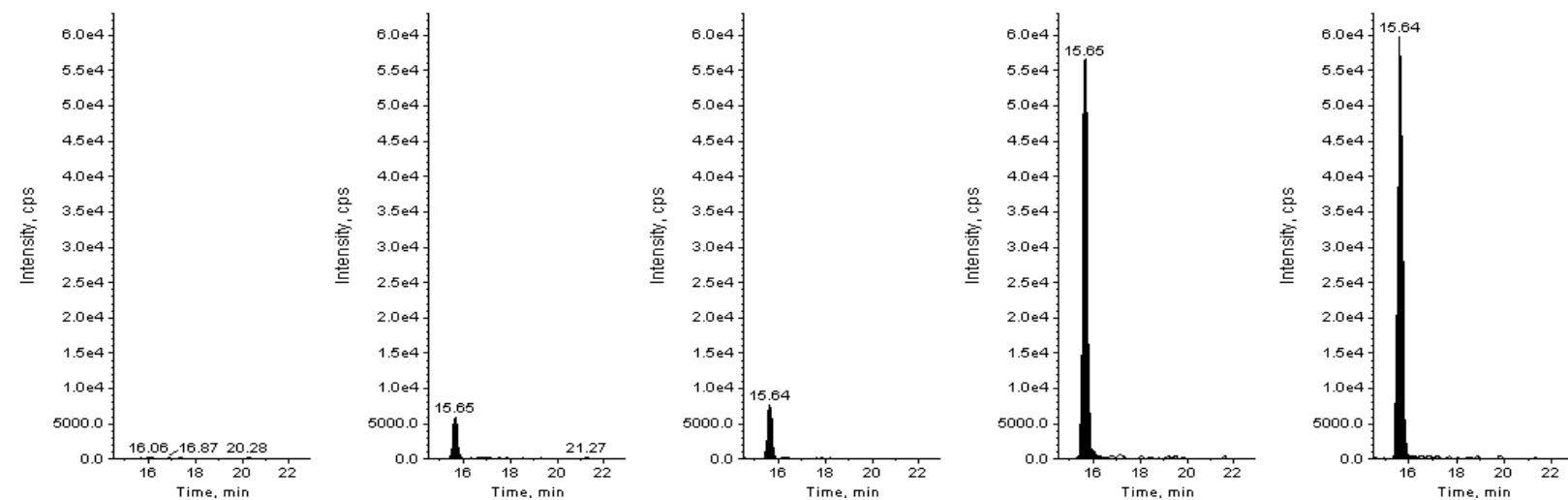


Figure: Second MRM of Clodinafop-propargyl: 350 amu $\rightarrow$ 91 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

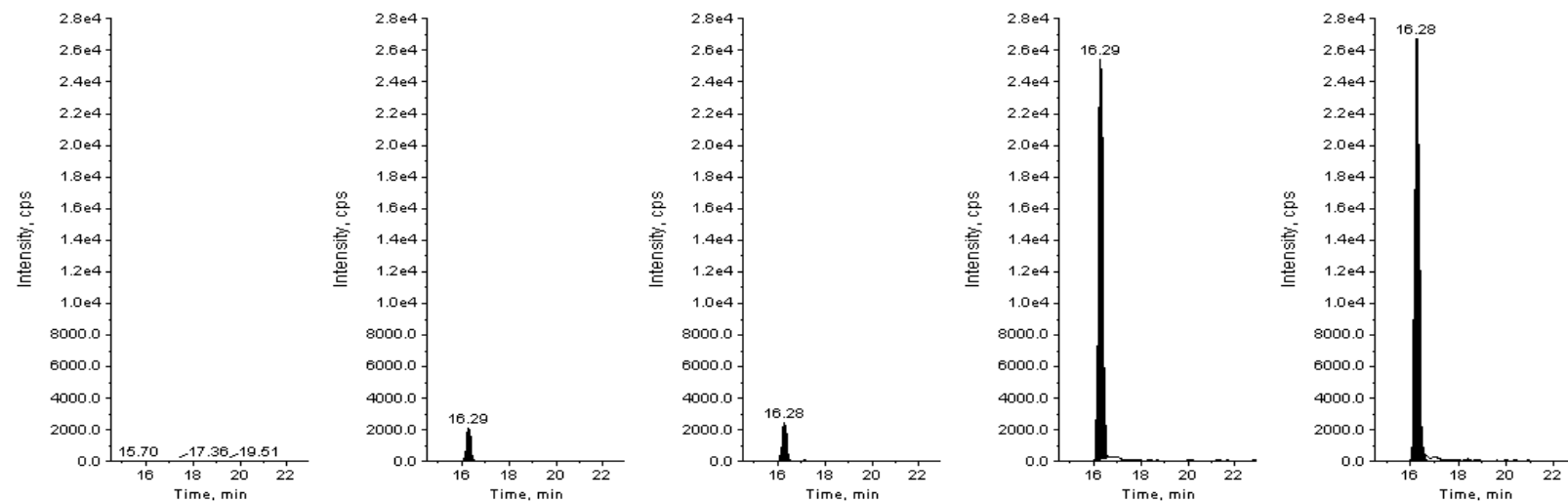


Figure: First MRM of Clofentezine: 303 amu → 102 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

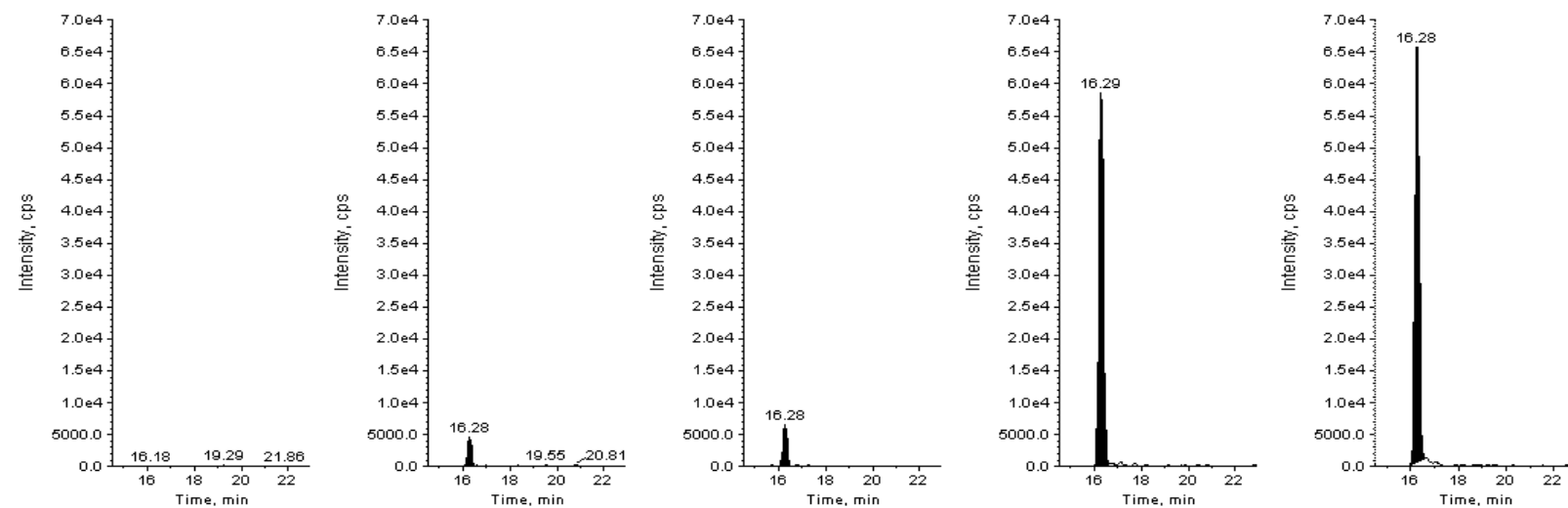


Figure: Second MRM of Clofentezine: 303 amu → 138 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

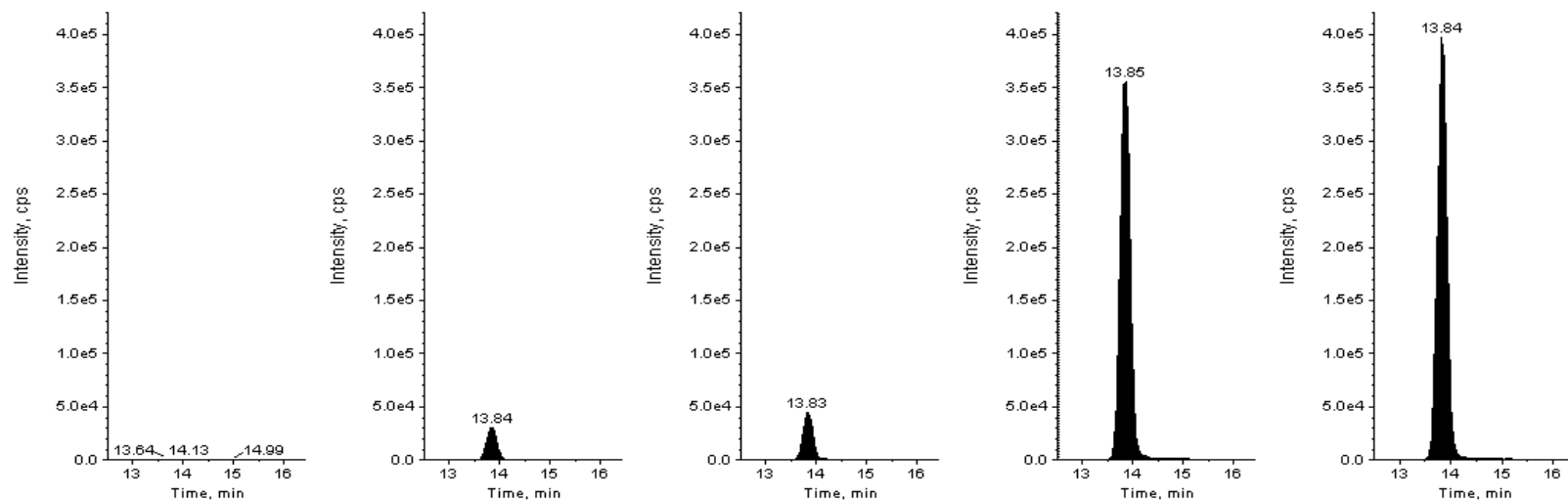


Figure: First MRM of Clomazone: 240 amu $\rightarrow$ 125 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

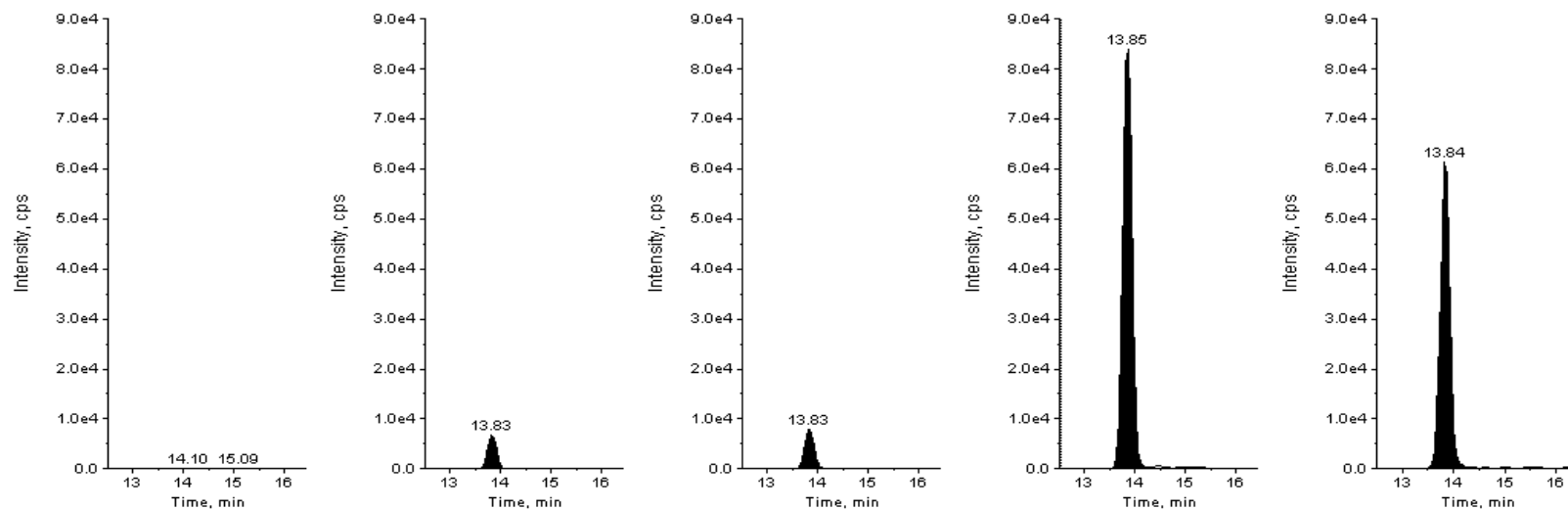


Figure: Second MRM of Clomazone: 240 amu $\rightarrow$ 89 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

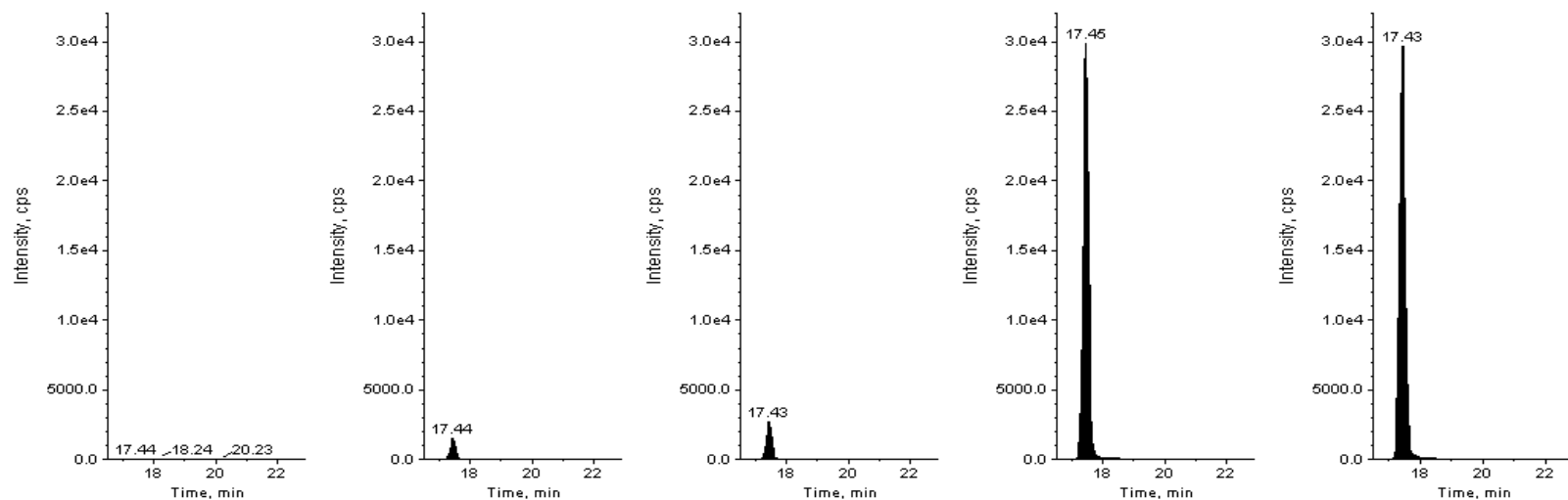


Figure: First MRM of Cloquintocet-mexyl: 336 amu $\rightarrow$ 192 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

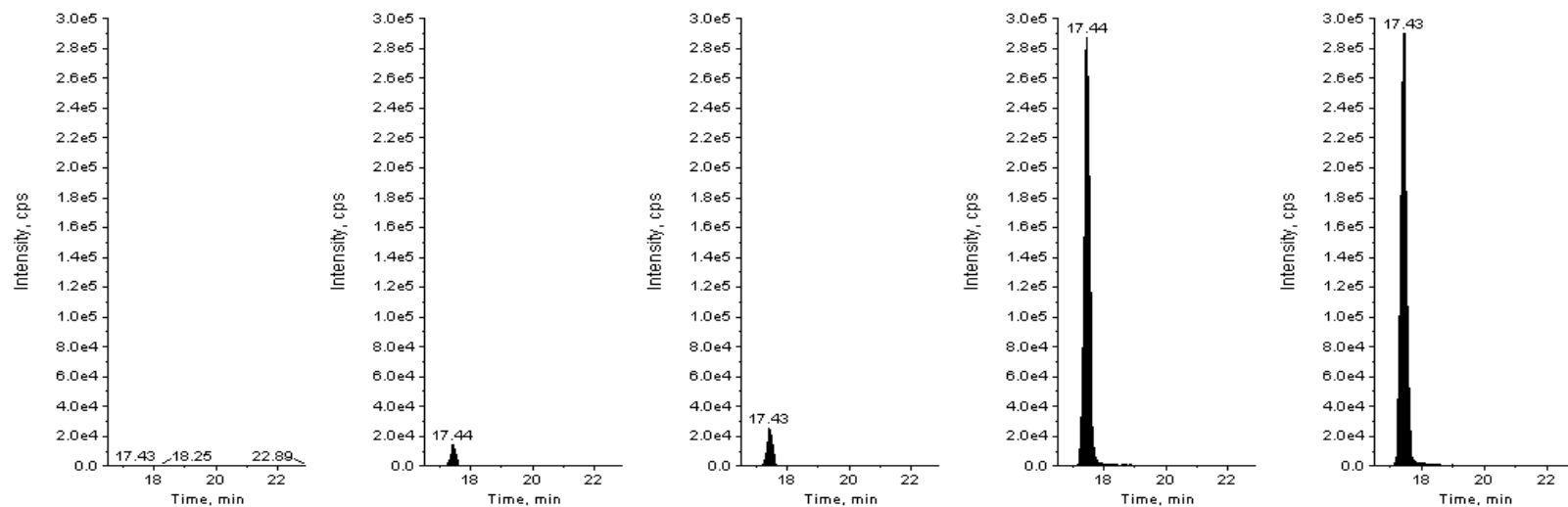


Figure: Second MRM of Cloquintocet-mexyl: 336 amu $\rightarrow$ 238 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

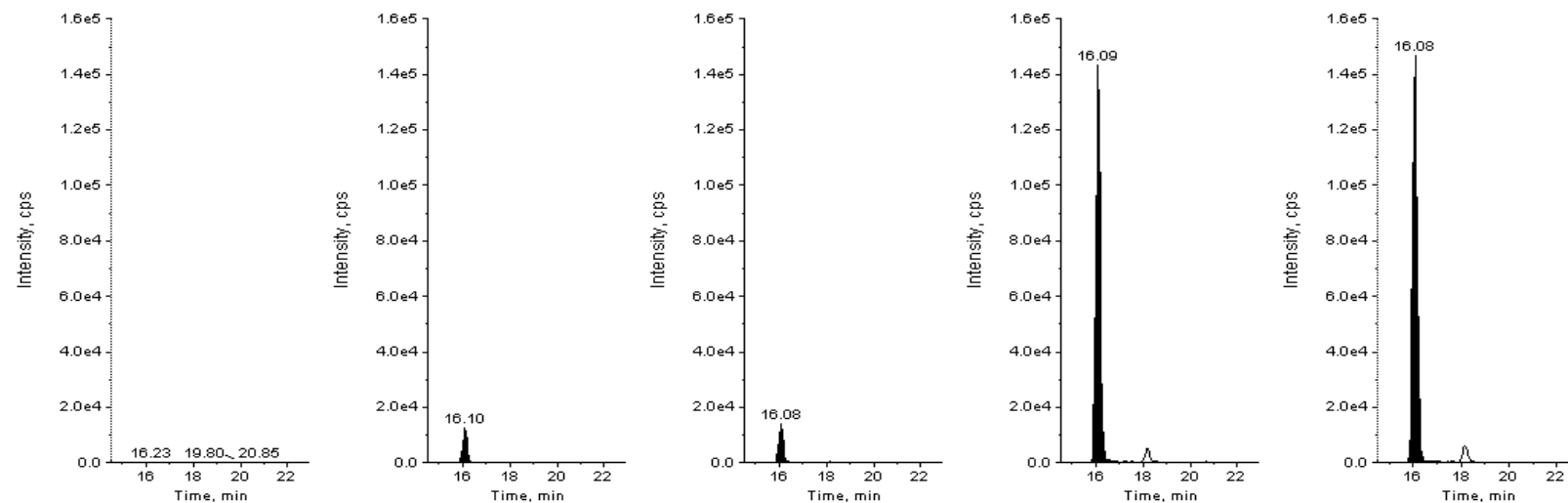


Figure: First MRM of Coumaphos: 363 amu → 227 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

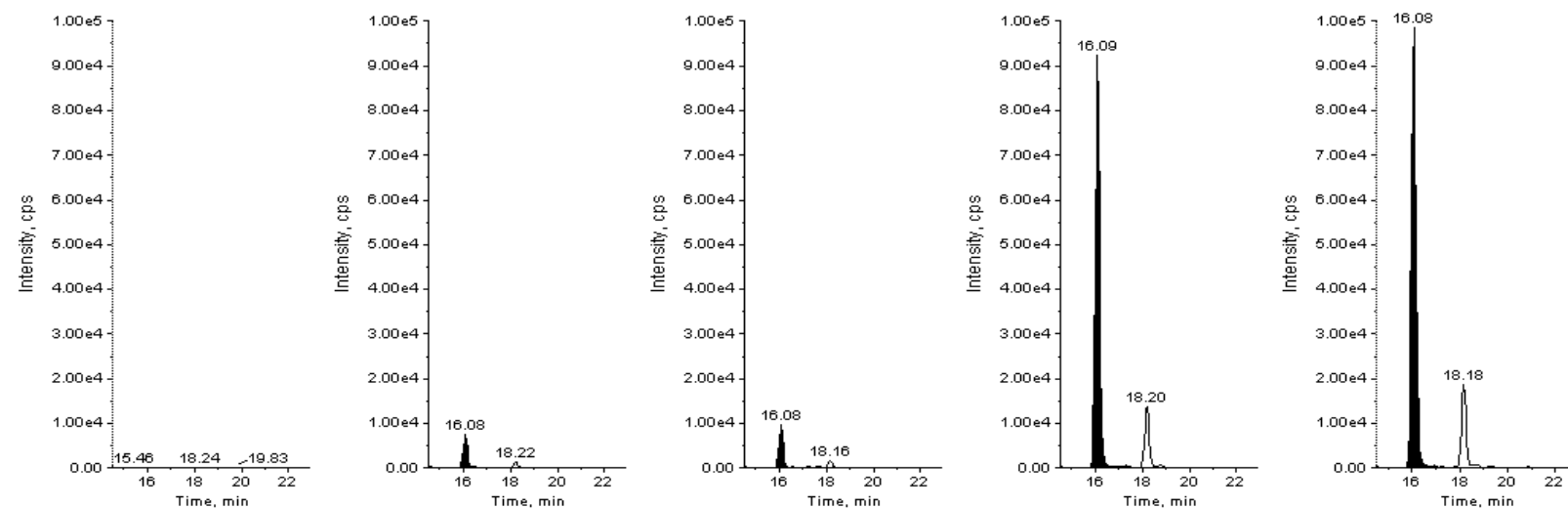


Figure: Second MRM of Coumaphos: 363 amu → 307 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

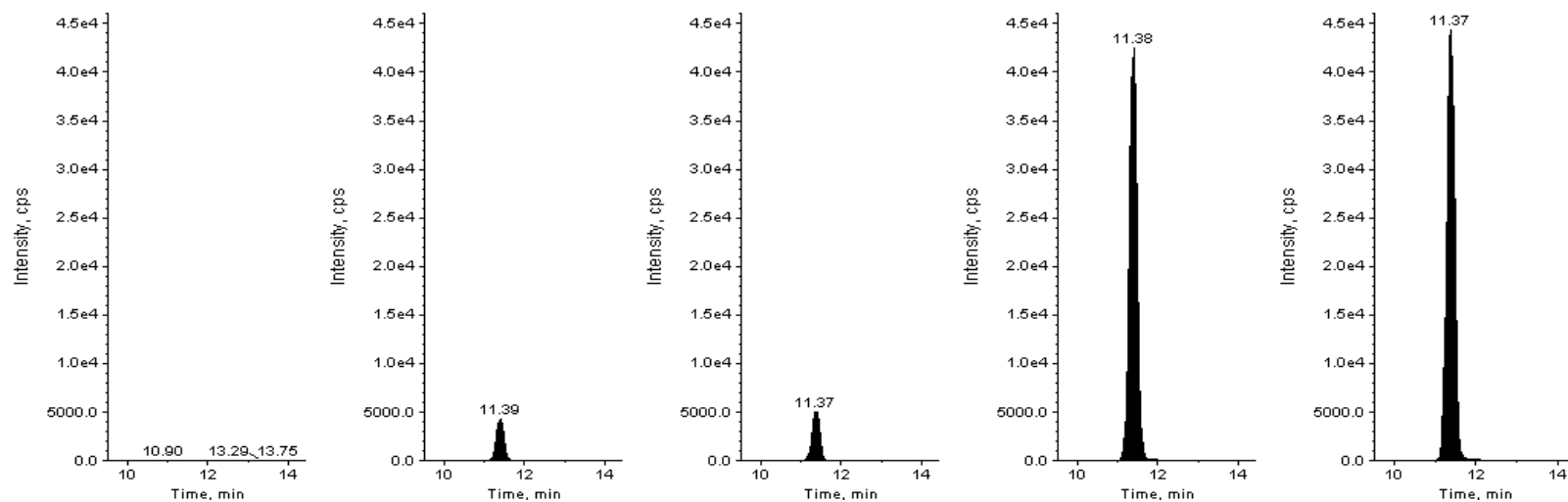


Figure: First MRM of Cyanazine: 241 amu → 214 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

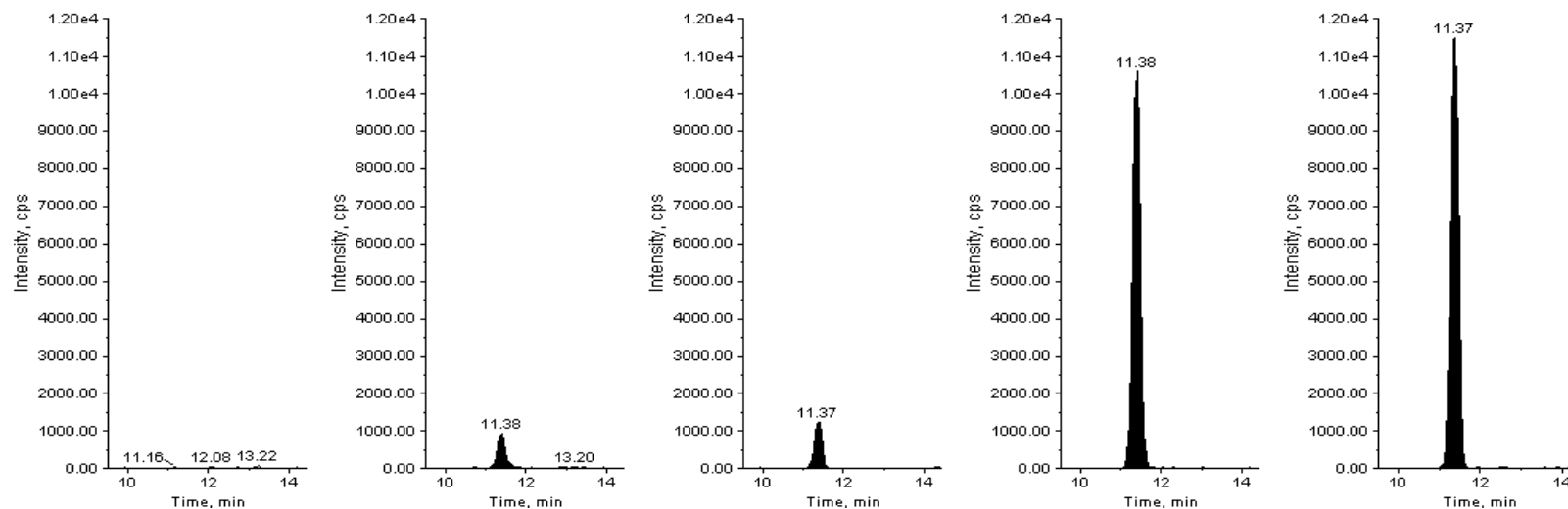


Figure: Second MRM of Cyanazine: 241 amu → 104 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

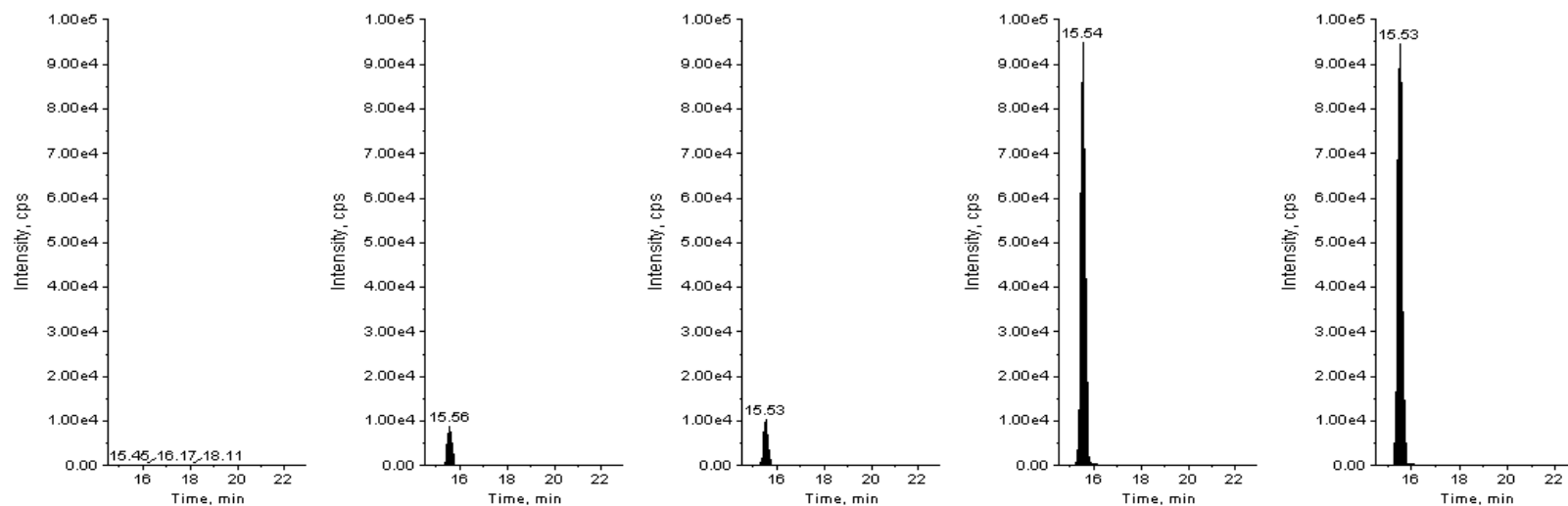


Figure: First MRM of Cyanofenphos: 304 amu → 276 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

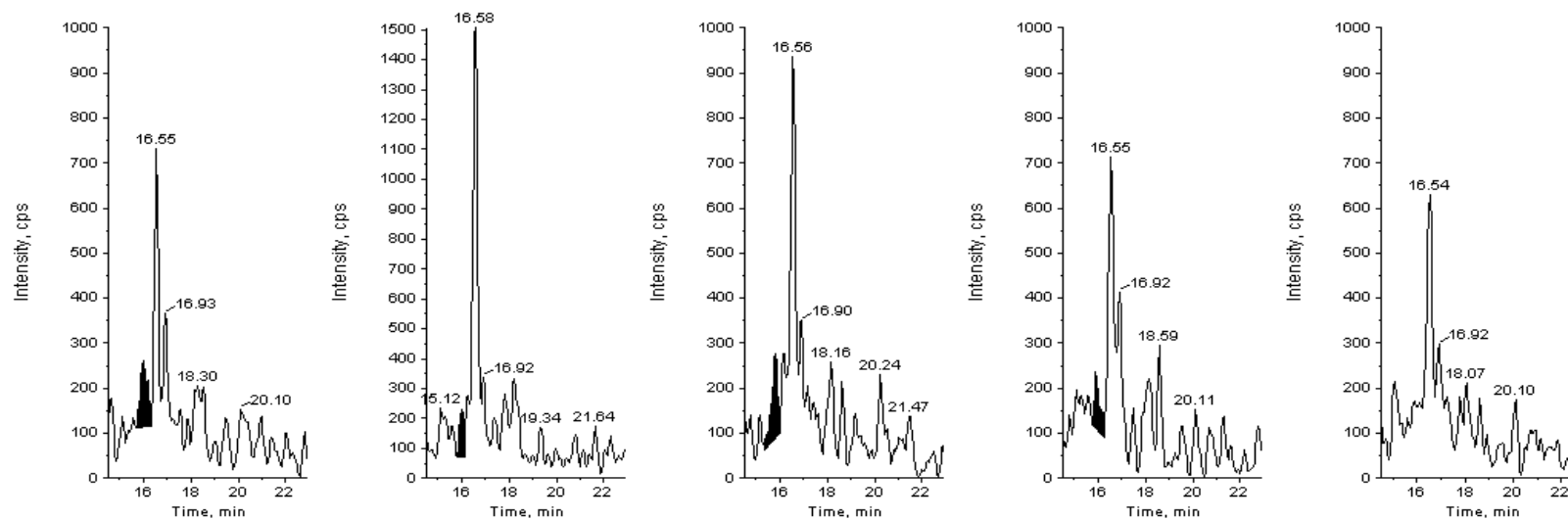


Figure: Second MRM of Cyanofenphos: 304 amu → 157 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

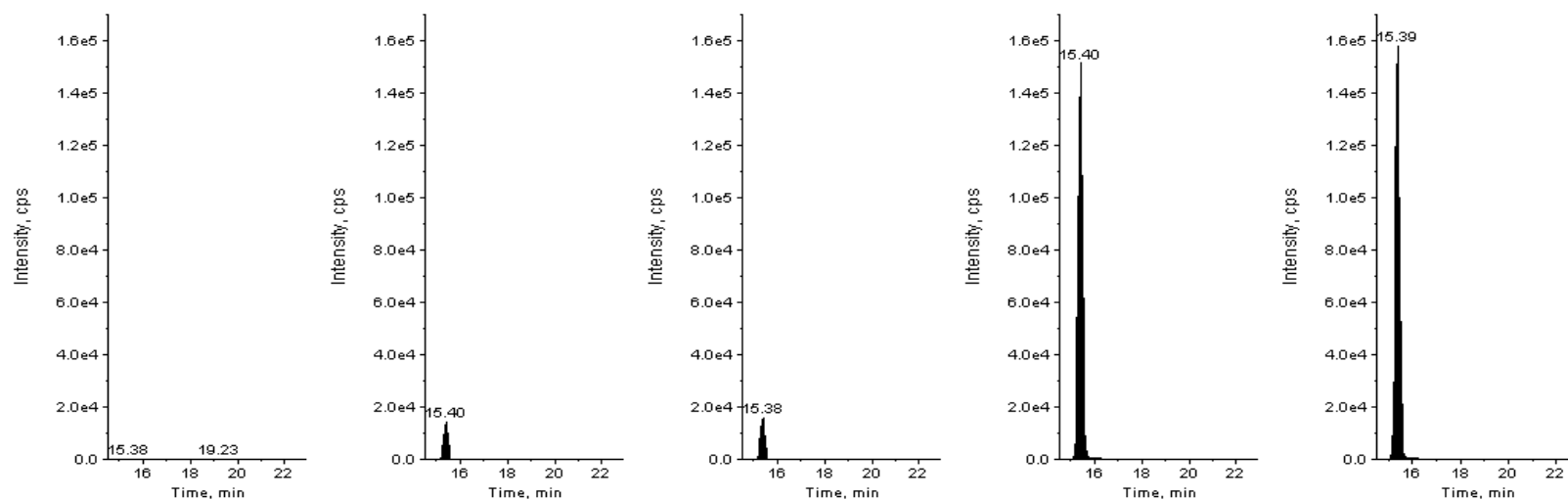


Figure: First MRM of Cyazofamid: 325 amu $\rightarrow$ 108 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

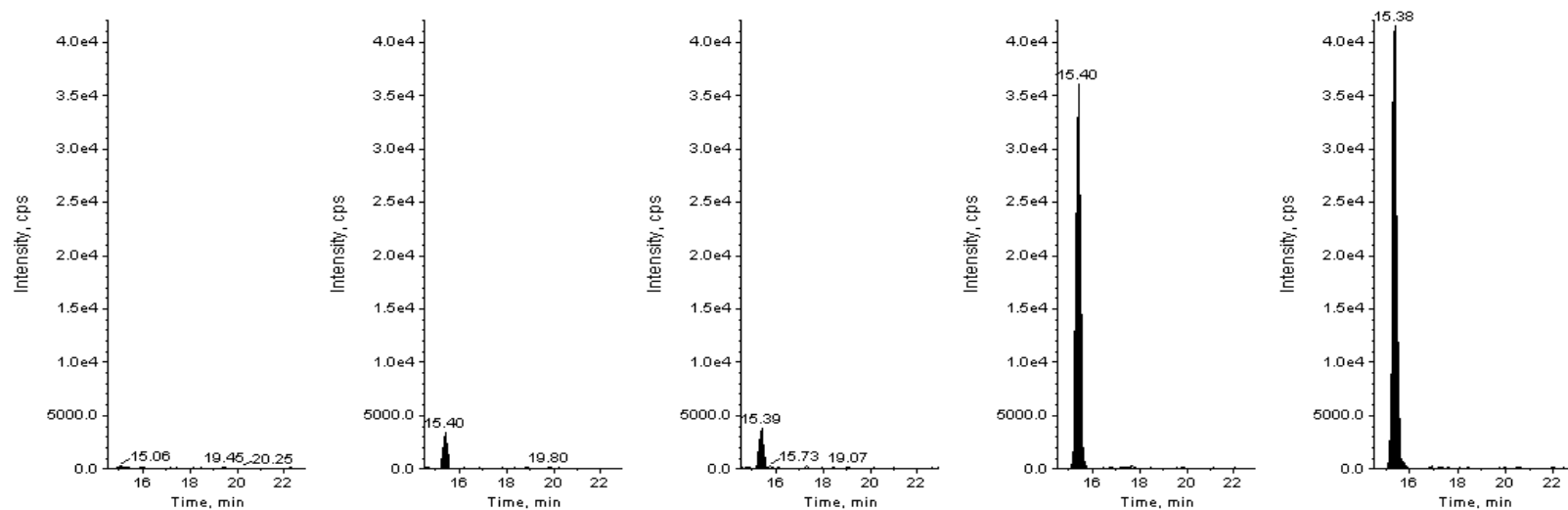


Figure: Second MRM of Cyazofamid: 325 amu $\rightarrow$ 261 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

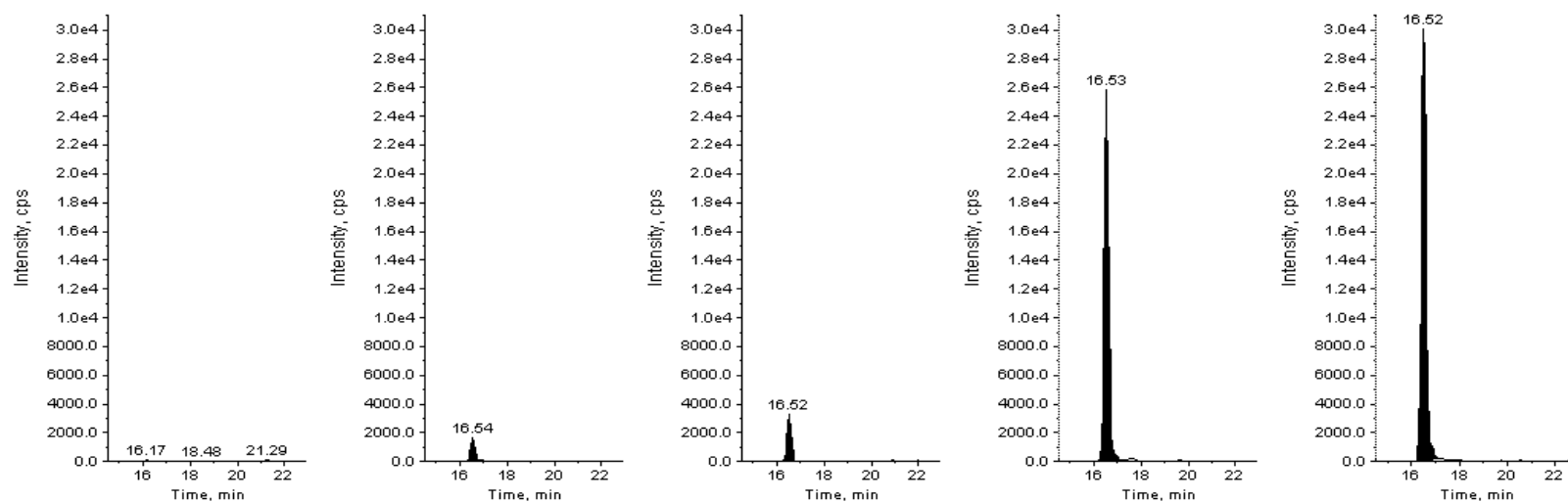


Figure: First MRM of Cycloate: 216 amu $\rightarrow$ 154 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

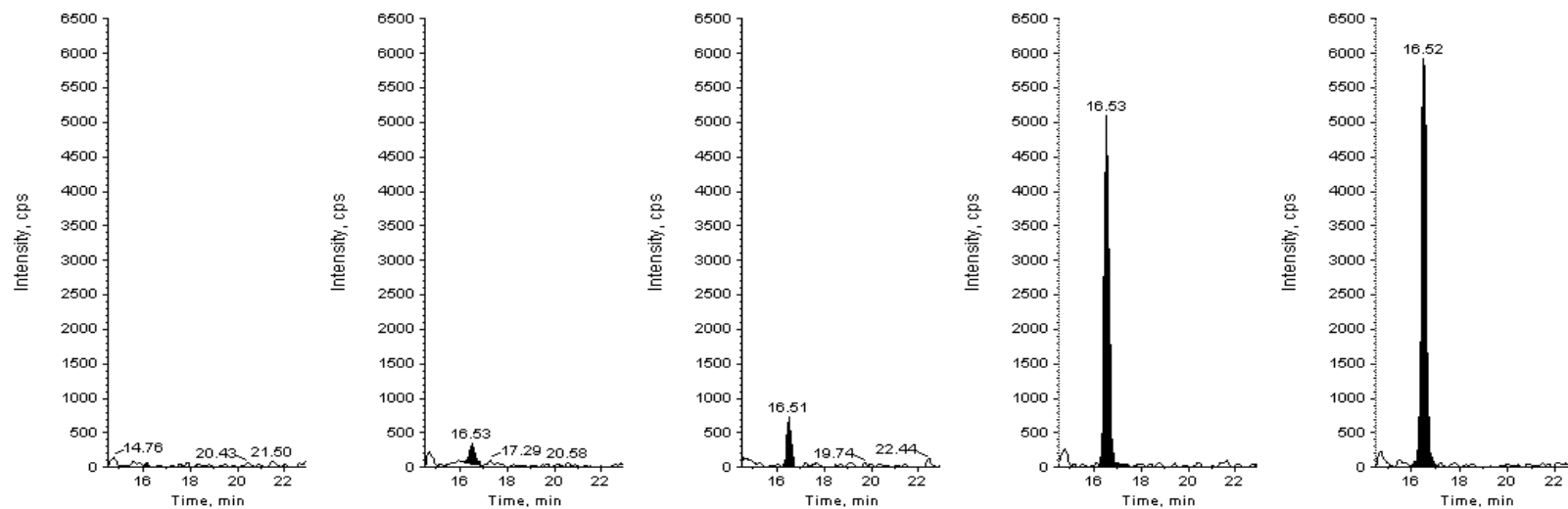


Figure: Second MRM of Cycloate: 216 amu $\rightarrow$ 134 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

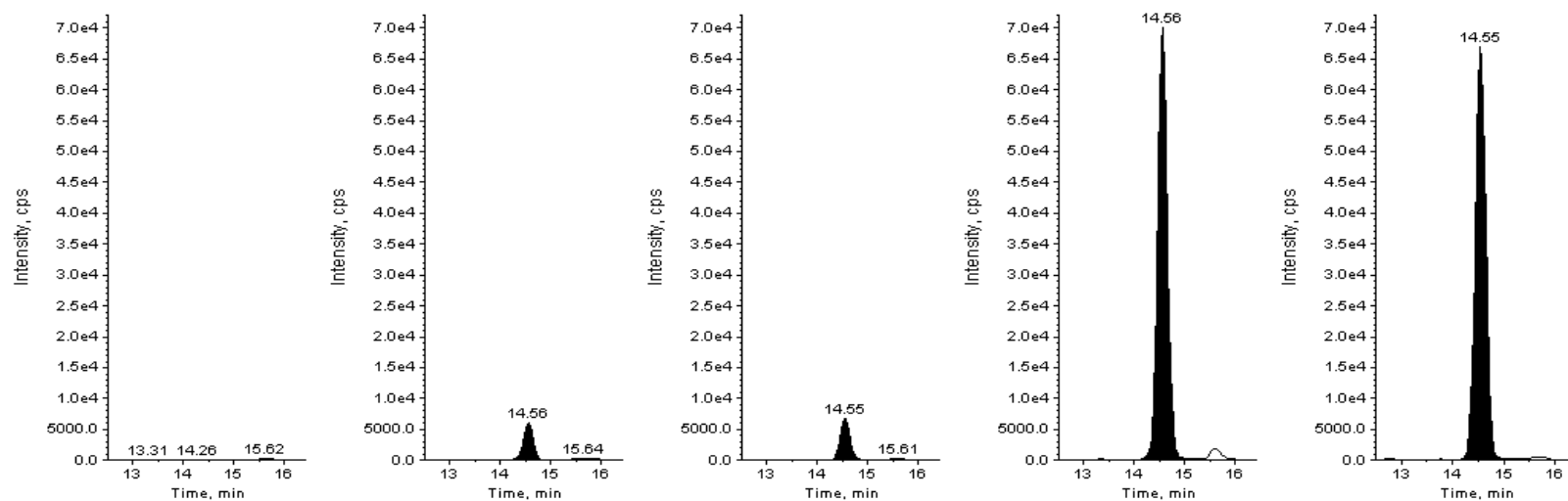


Figure: First MRM of Cycloxydim: 326 amu $\rightarrow$ 280 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

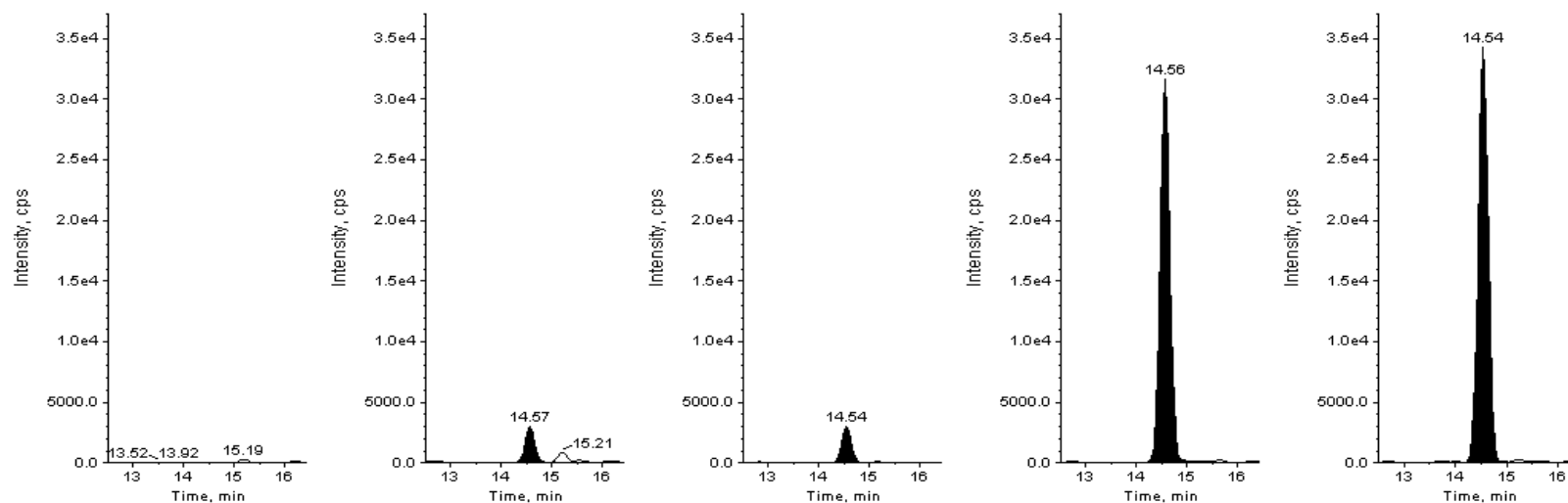


Figure: Second MRM of Cycloxydim: 326 amu $\rightarrow$ 180 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

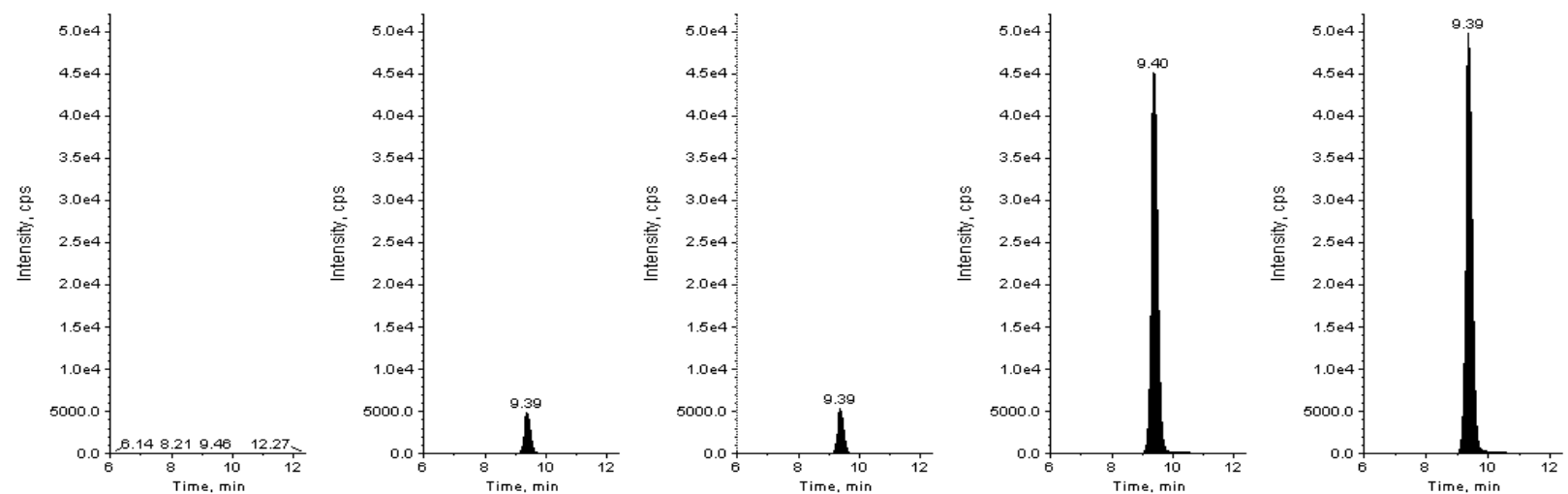


Figure: First MRM of Cymoxanil: 199 amu $\rightarrow$ 128 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

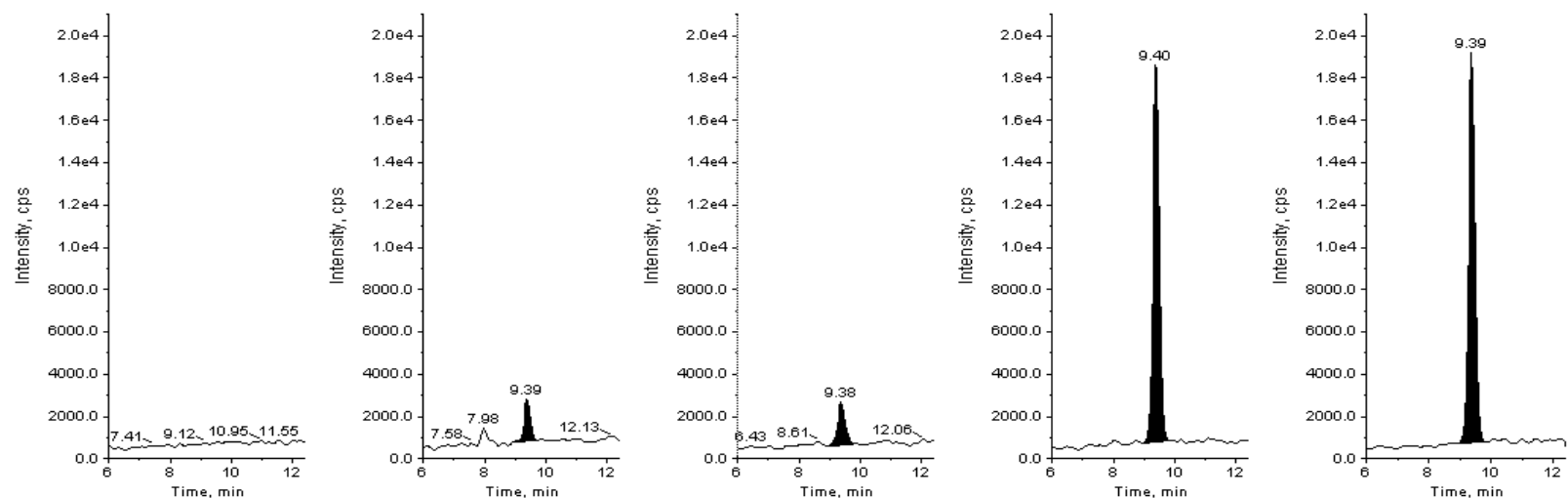


Figure: Second MRM of Cymoxanil: 199 amu $\rightarrow$ 111 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

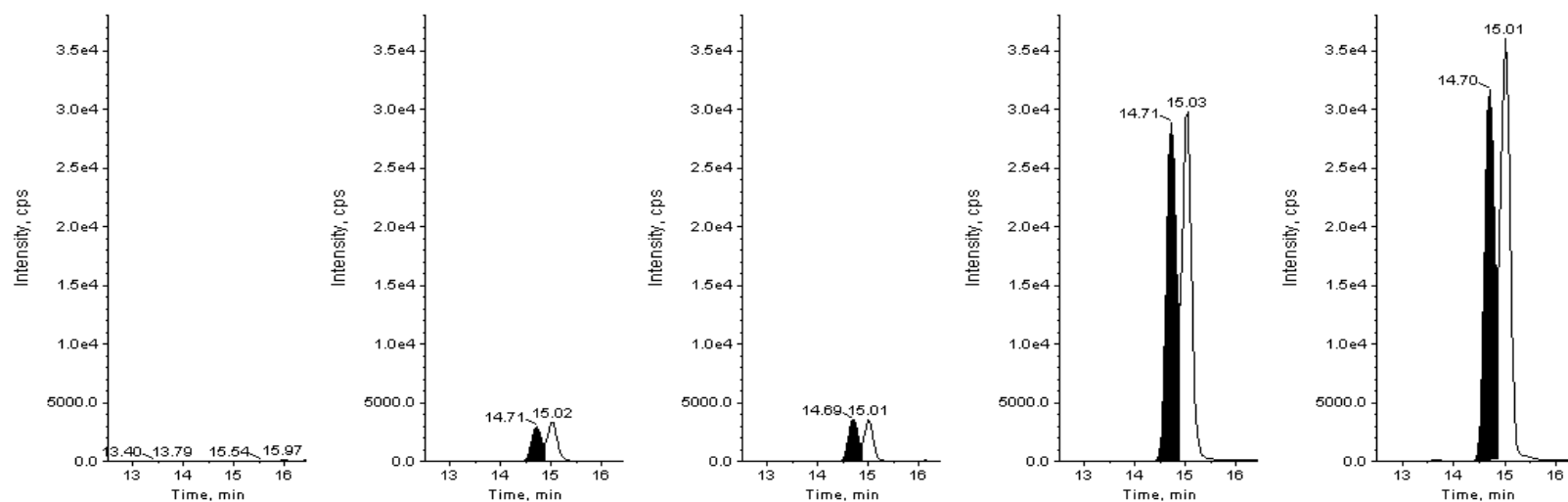


Figure: First MRM of Cyproconazole: 292 amu → 70 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

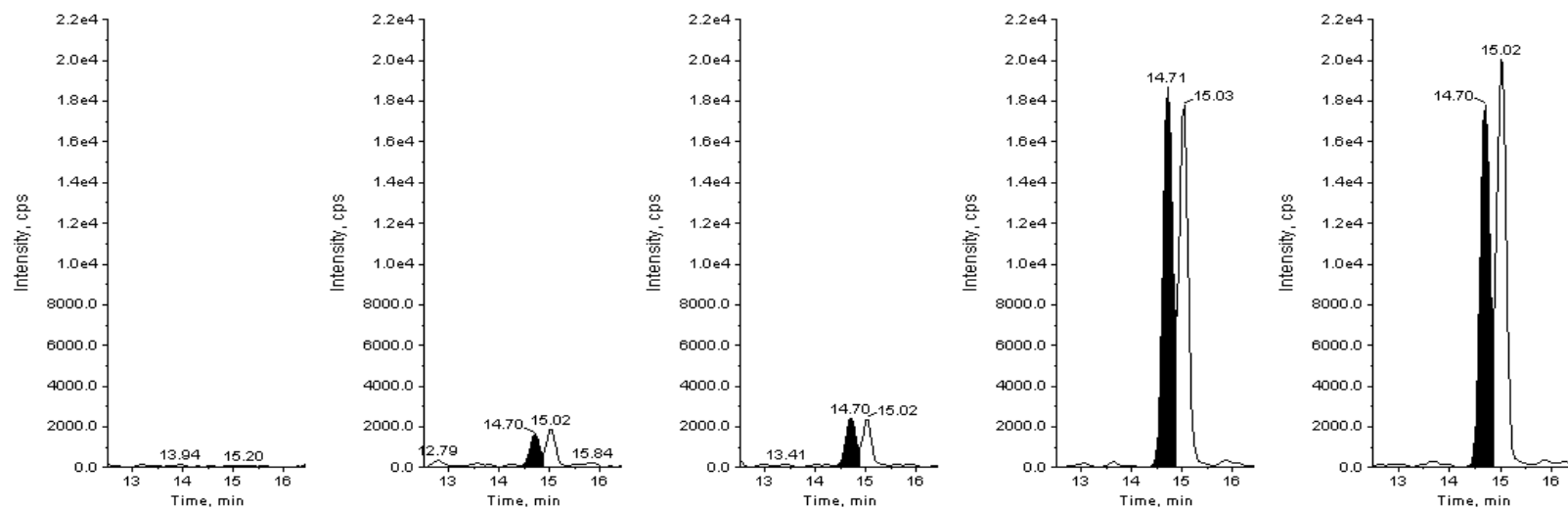


Figure: Second MRM of Cyproconazole: 292 amu → 125 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

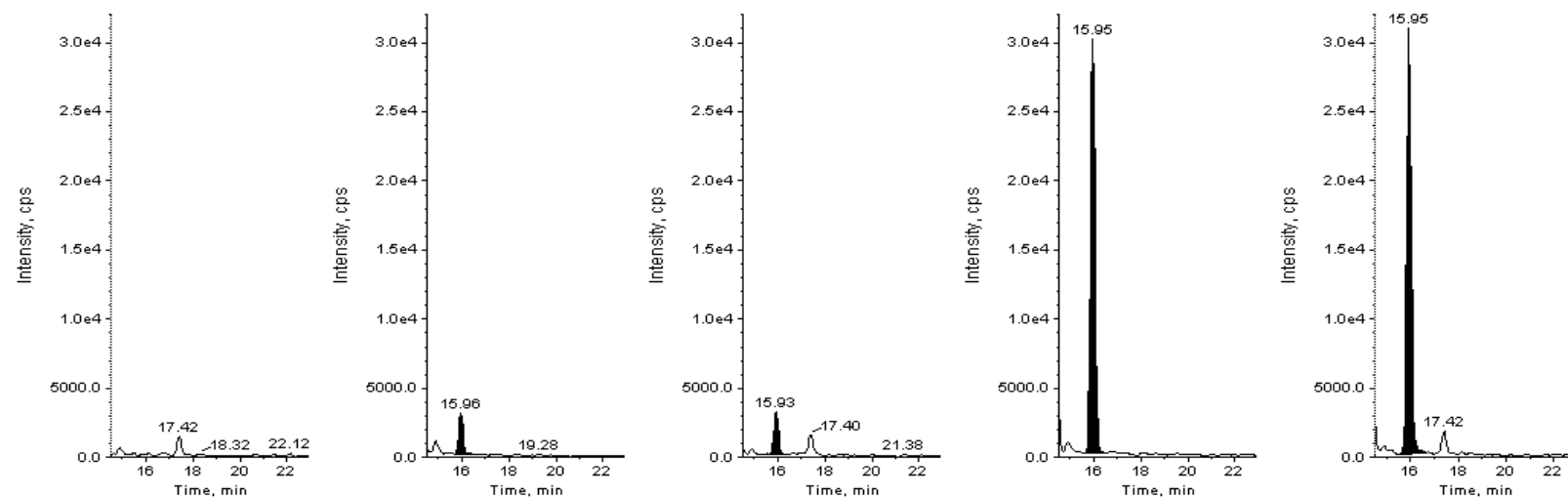


Figure: First MRM of Cyprodinil: 226 amu $\rightarrow$ 77 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

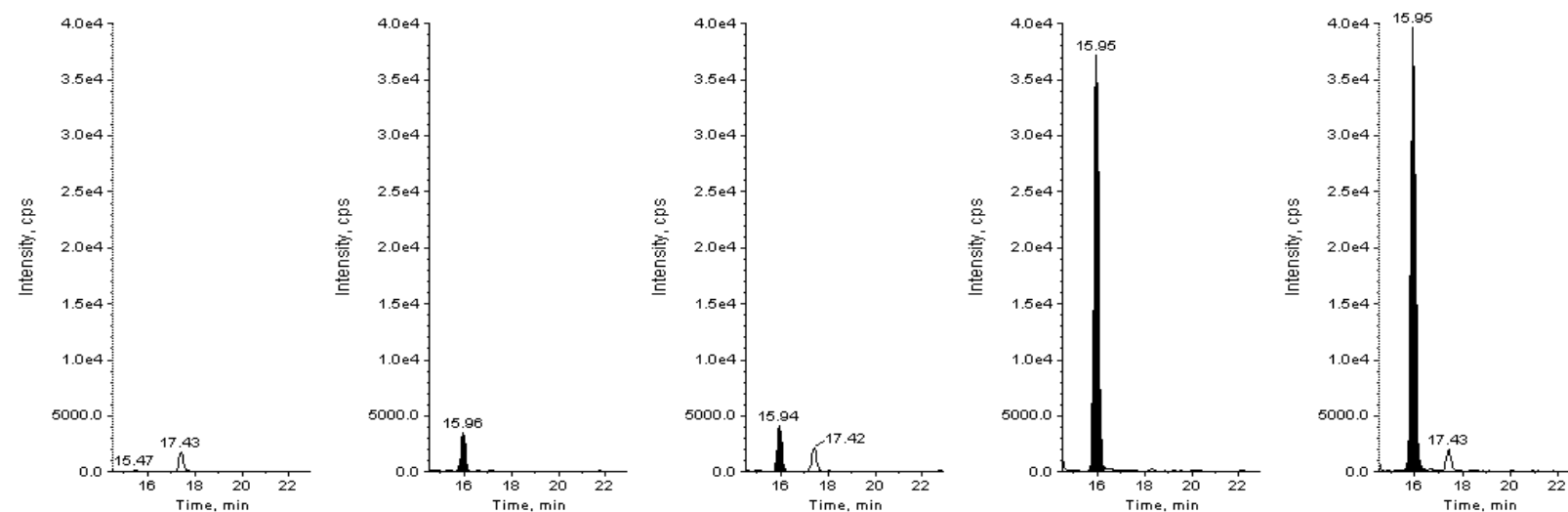


Figure: Second MRM of Cyprodinil: 226 amu $\rightarrow$ 93 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

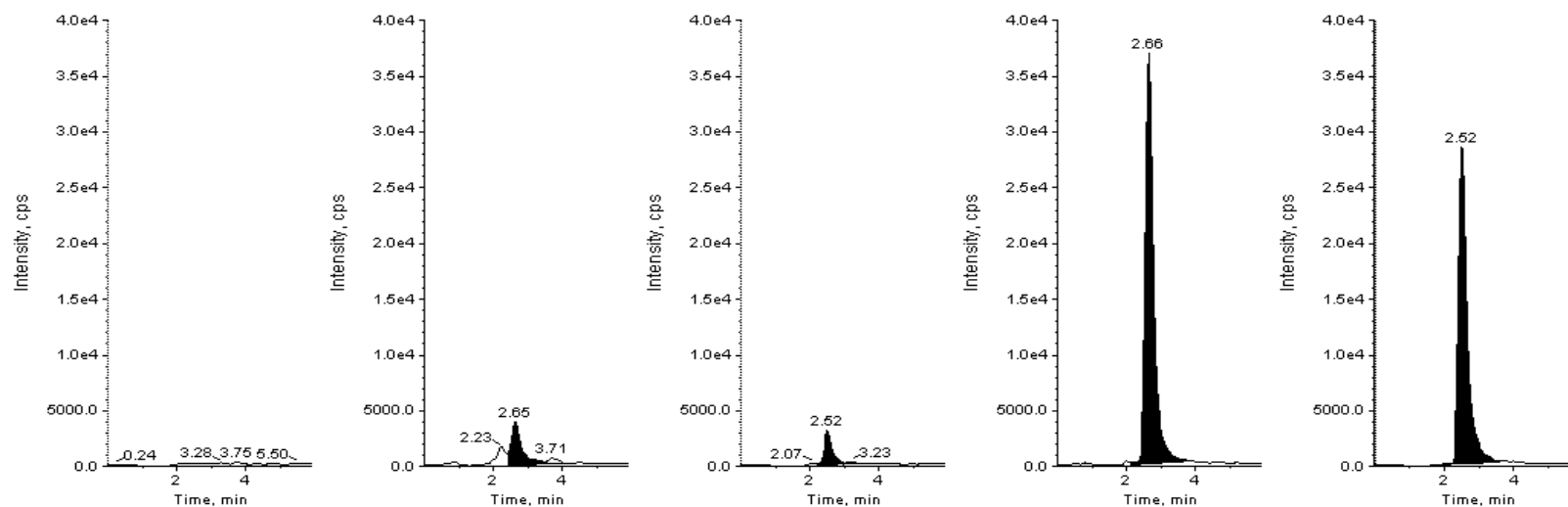


Figure: First MRM of Cyromazine: 167 amu $\rightarrow$ 125 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

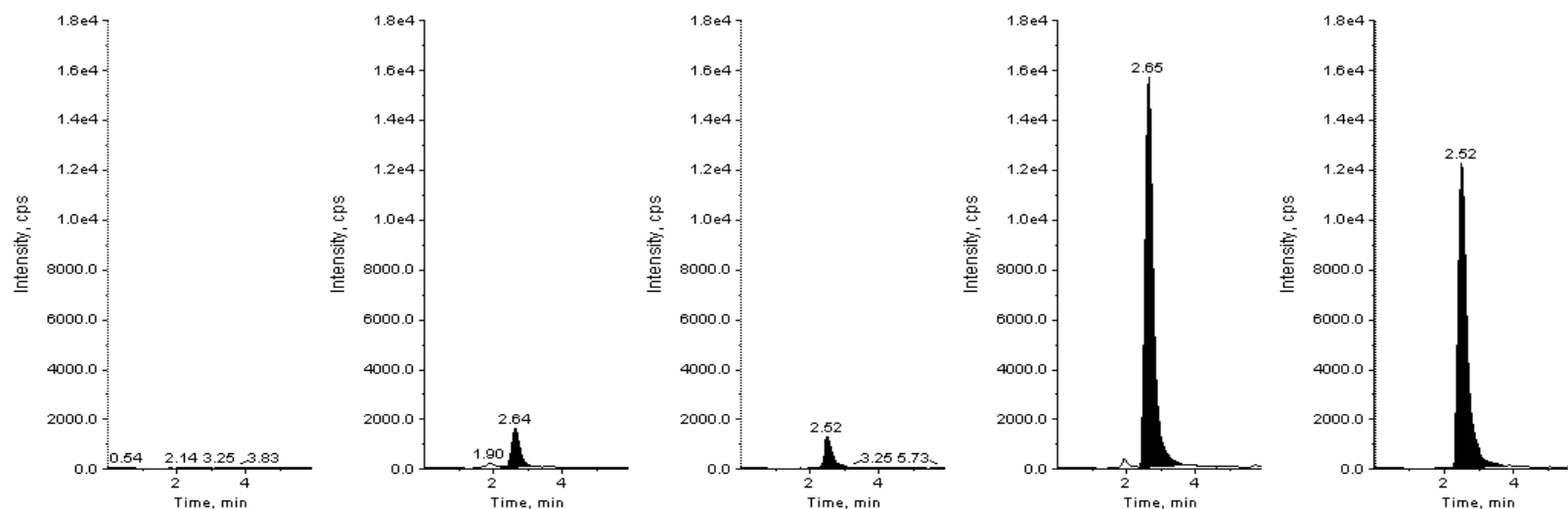


Figure: Second MRM of Cyromazine: 167 amu $\rightarrow$ 108 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

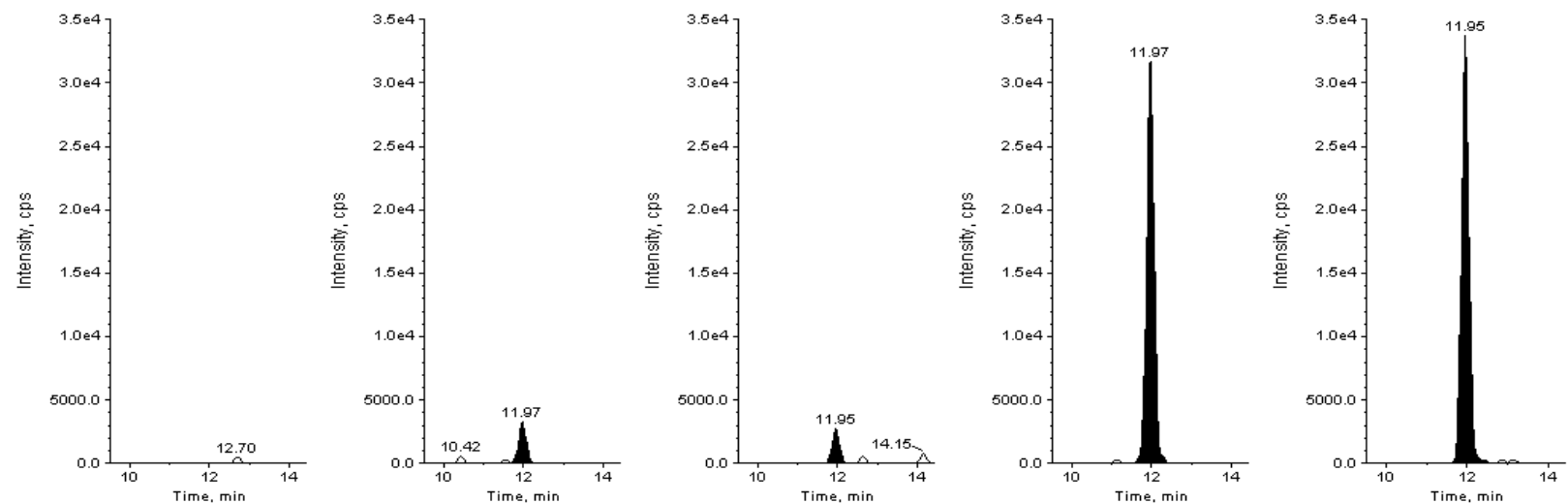


Figure: First MRM of Demeton-S-methyl: 248 amu $\rightarrow$ 89 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

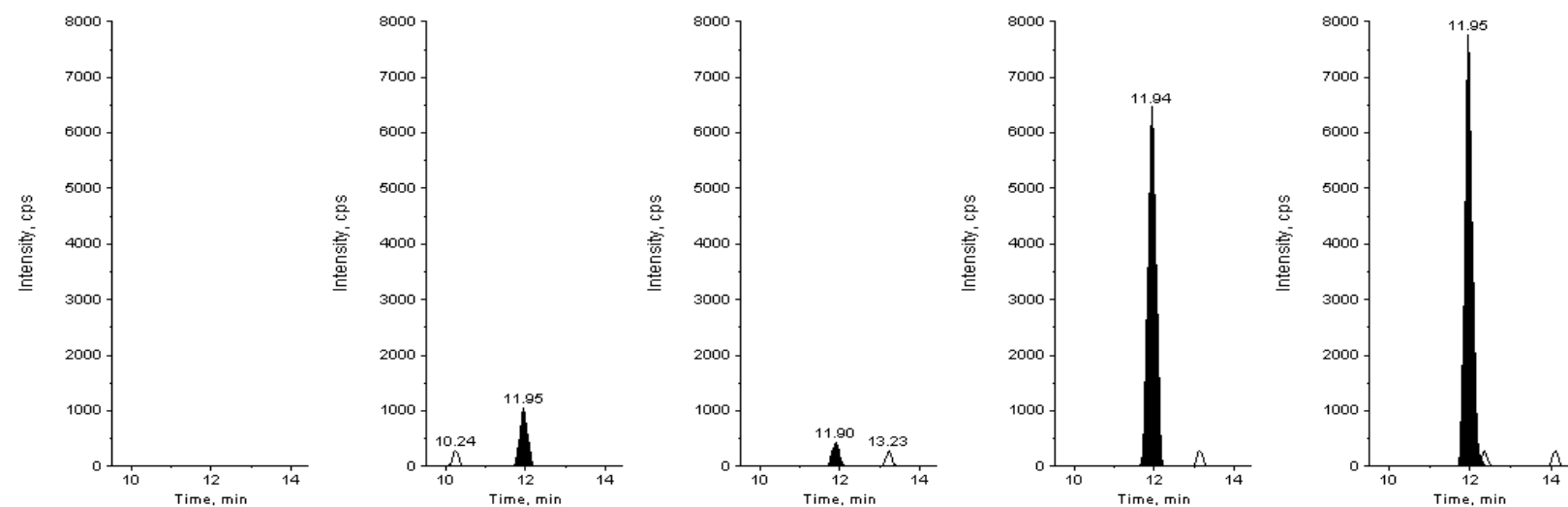


Figure: Second MRM of Demeton-S-methyl: 248 amu $\rightarrow$ 61 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

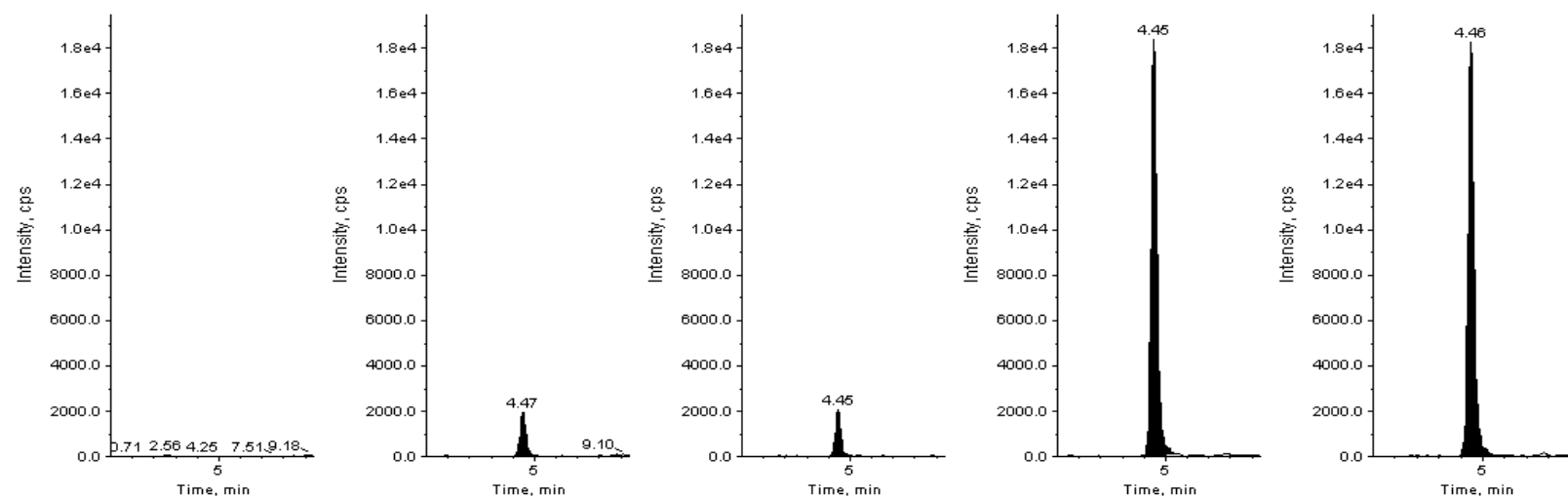


Figure: First MRM of Demeton-S-methyl-sulfon: 263 amu $\rightarrow$ 109 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

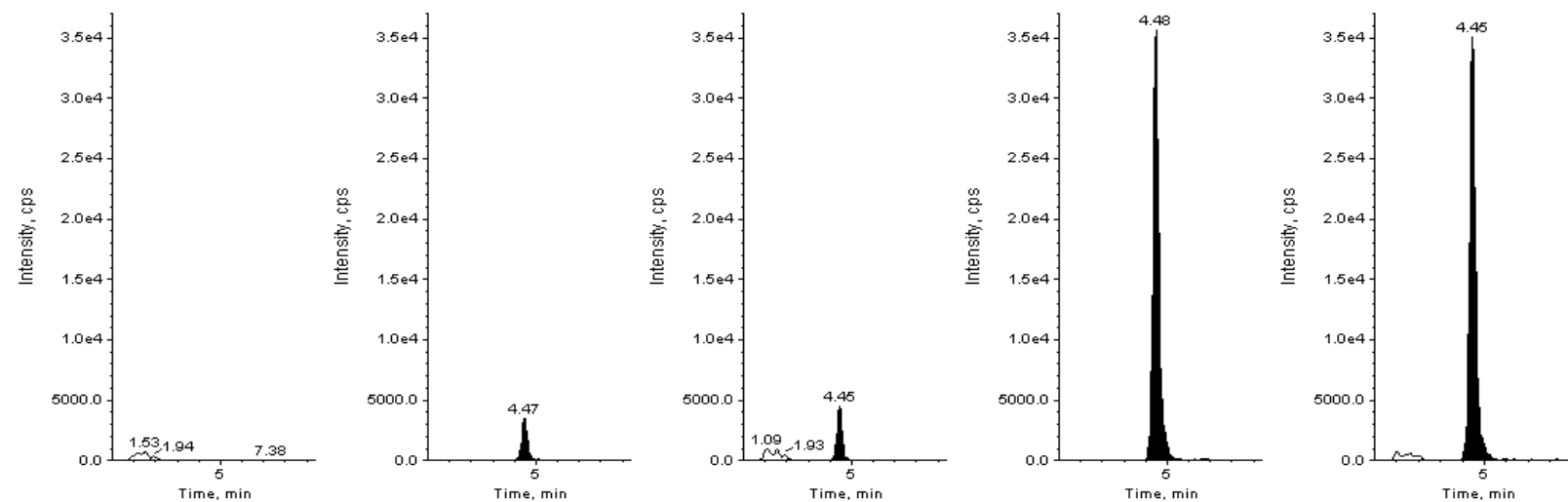


Figure: Second MRM of Demeton-S-methyl-sulfon: 263 amu $\rightarrow$ 169 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

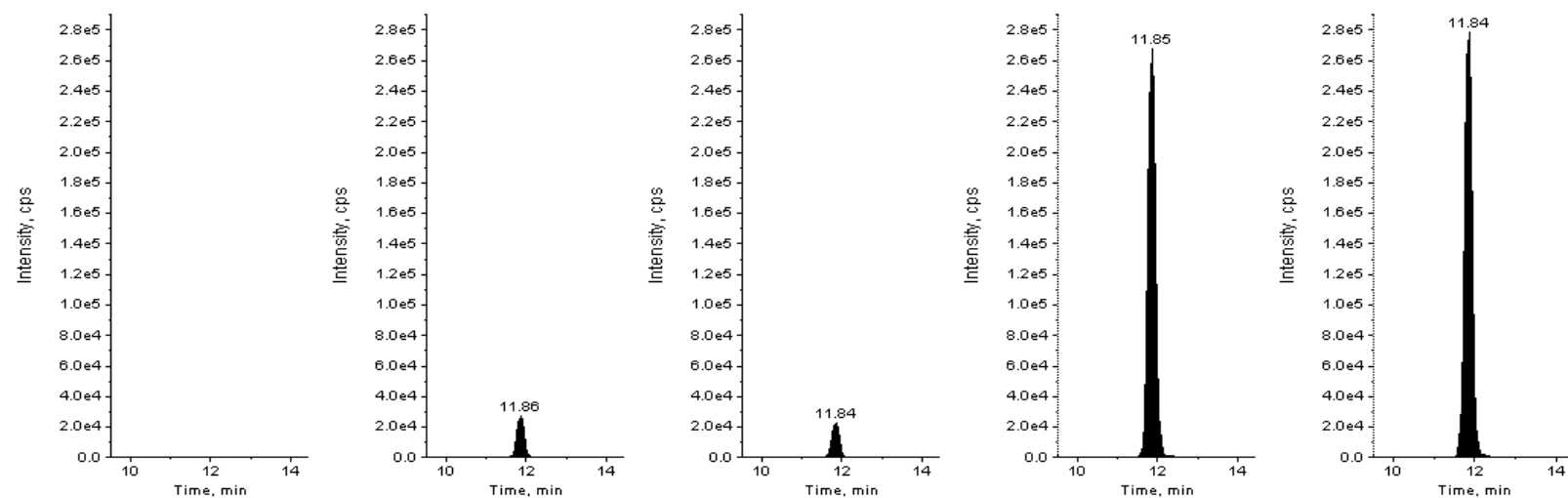


Figure: First MRM of Desmethyl-formamido-pirimicarb: 253 amu $\rightarrow$ 72 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

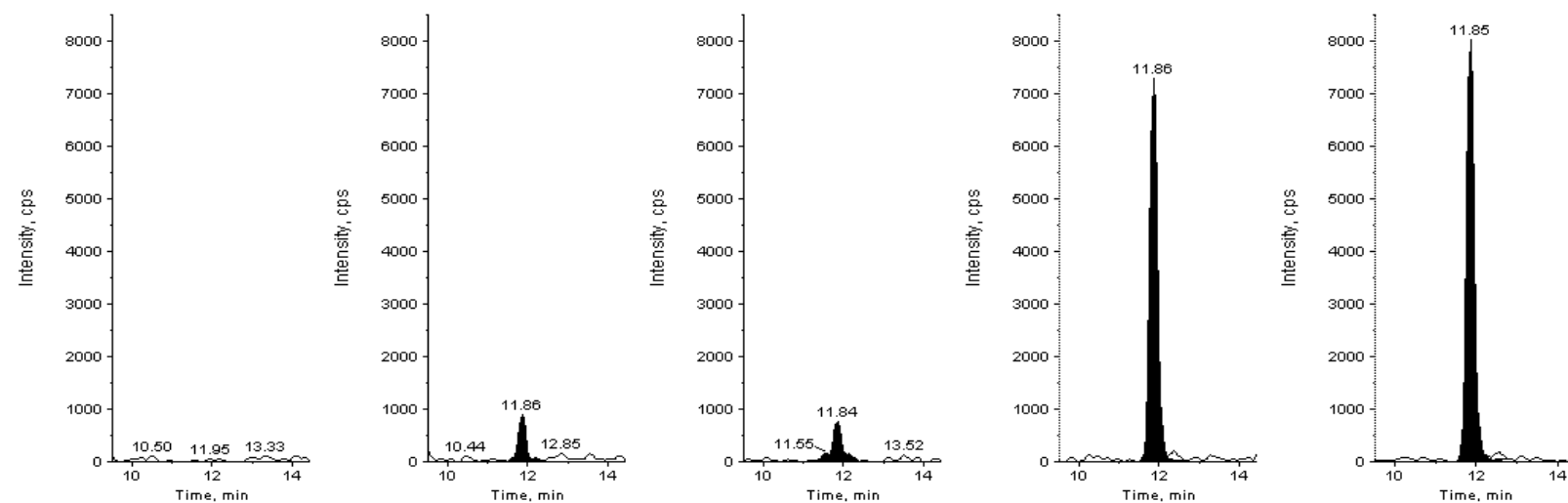


Figure: Second MRM of Desmethyl-formamido-pirimicarb: 253 amu $\rightarrow$ 225 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

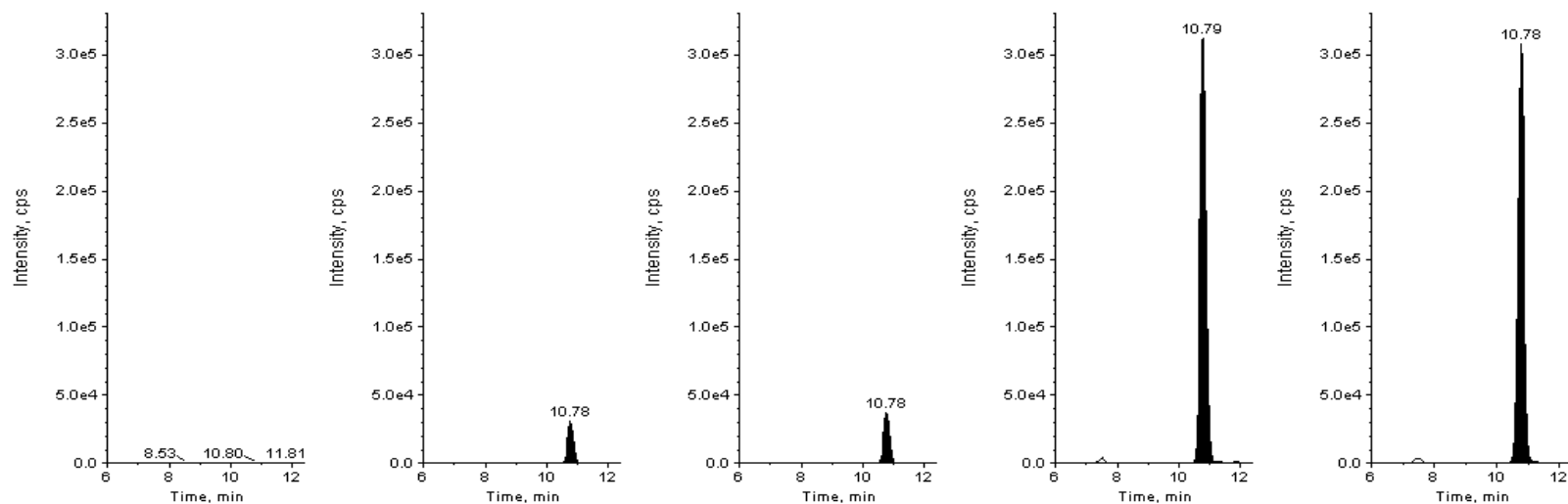


Figure: First MRM of Desmethyl-pirimicarb: 225 amu → 72 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

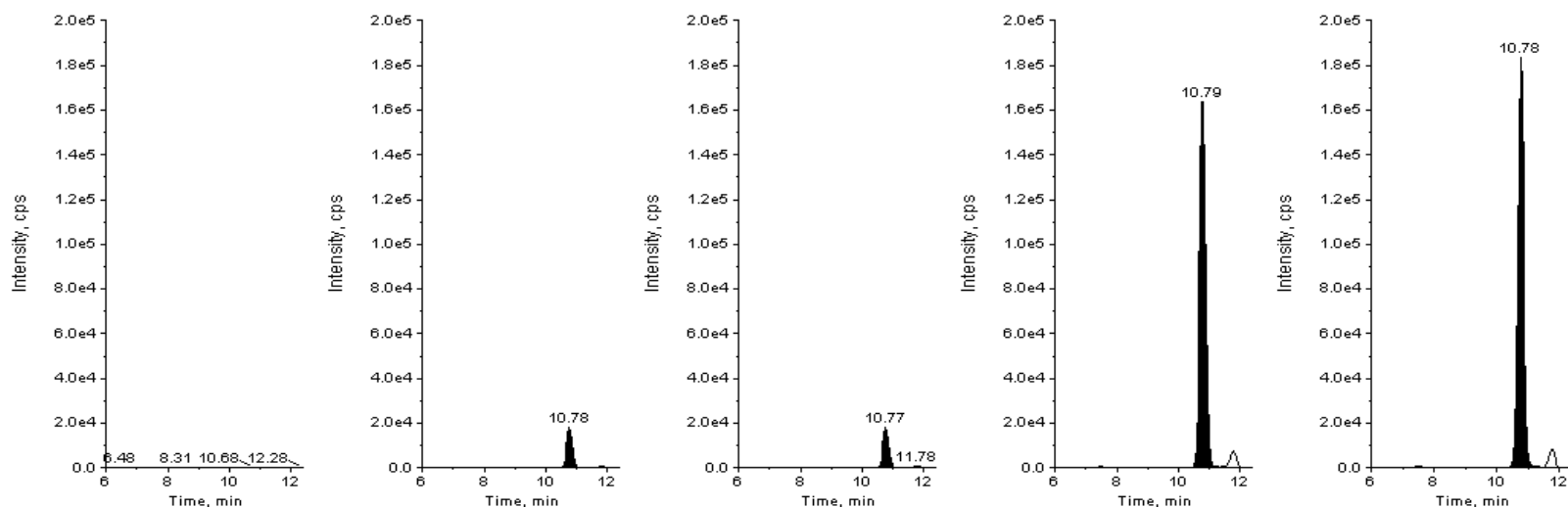


Figure: Second MRM of Desmethyl-pirimicarb: 225 amu → 168 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

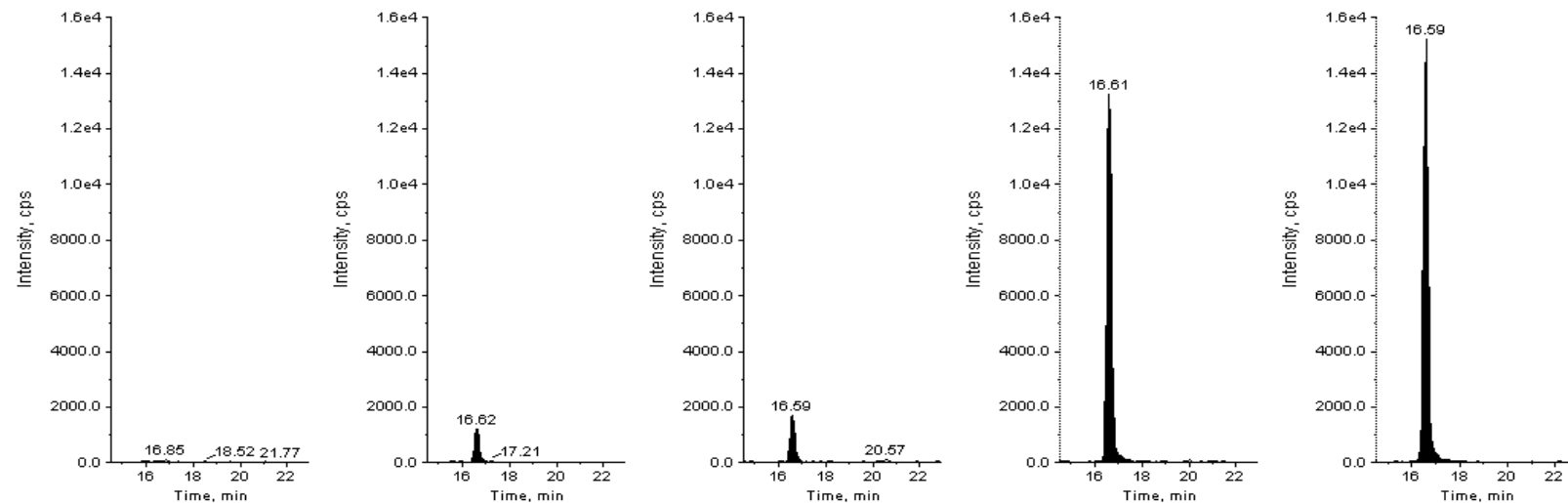


Figure: First MRM of Di-allate: 270 amu → 86 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

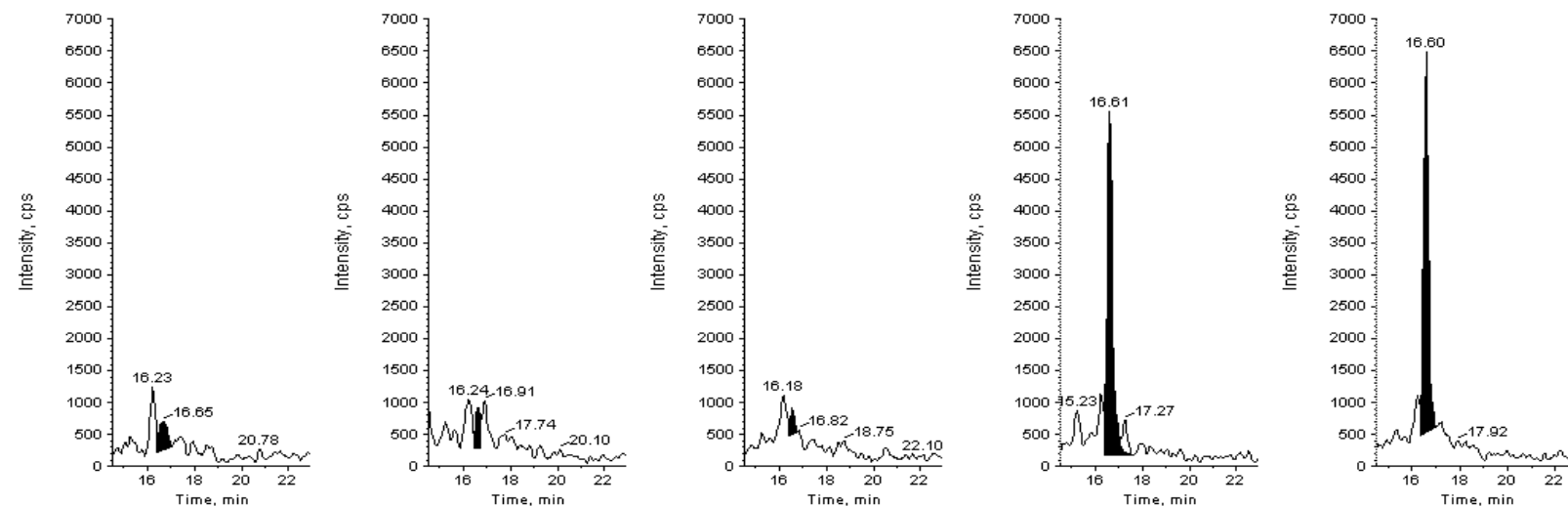


Figure: Second MRM of Di-allate: 270 amu → 109 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

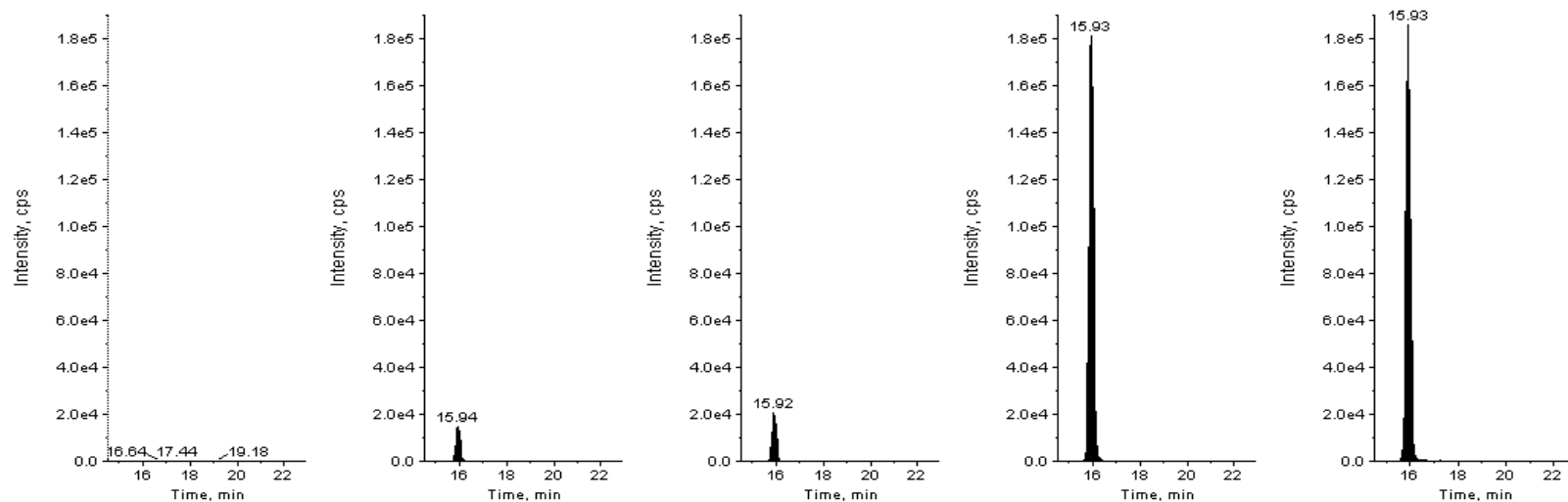


Figure: First MRM of Diazinon: 305 amu $\rightarrow$ 169 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

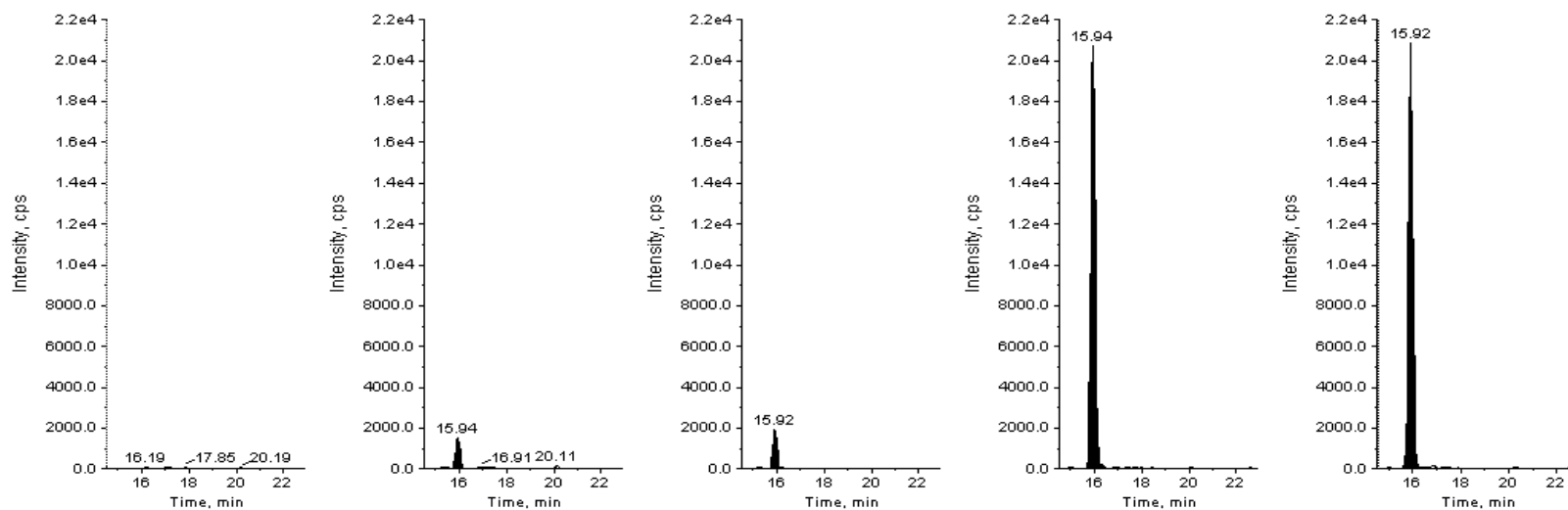


Figure: Second MRM of Diazinon: 305 amu $\rightarrow$ 97 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

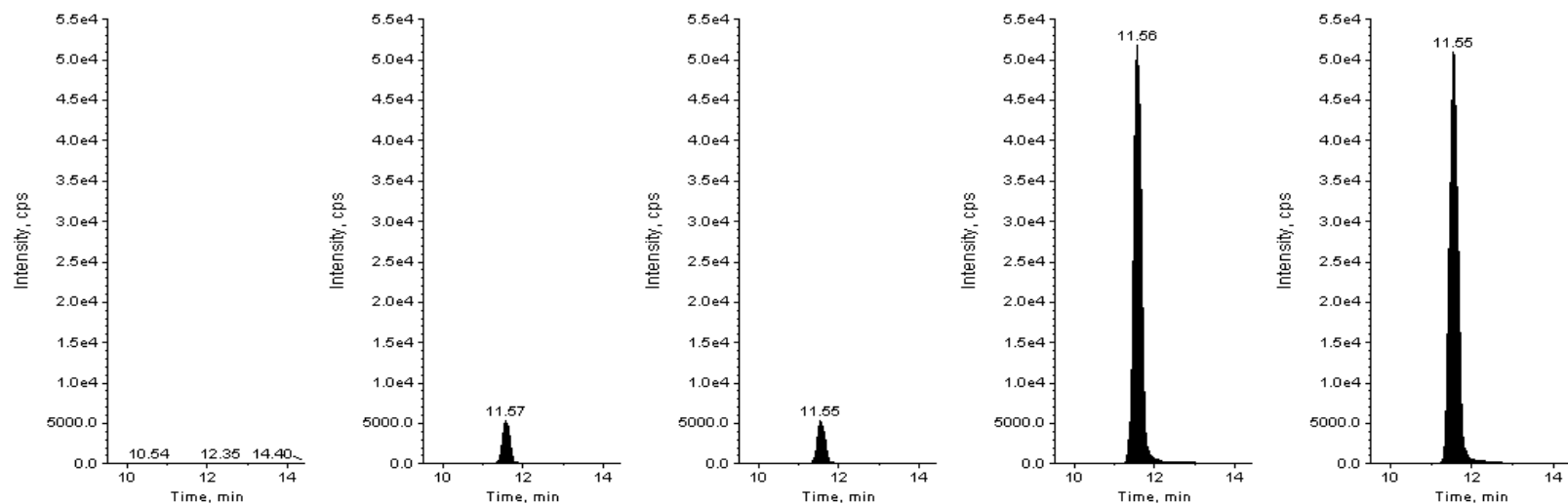


Figure: First MRM of Dichlorvos: 221 amu → 127 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

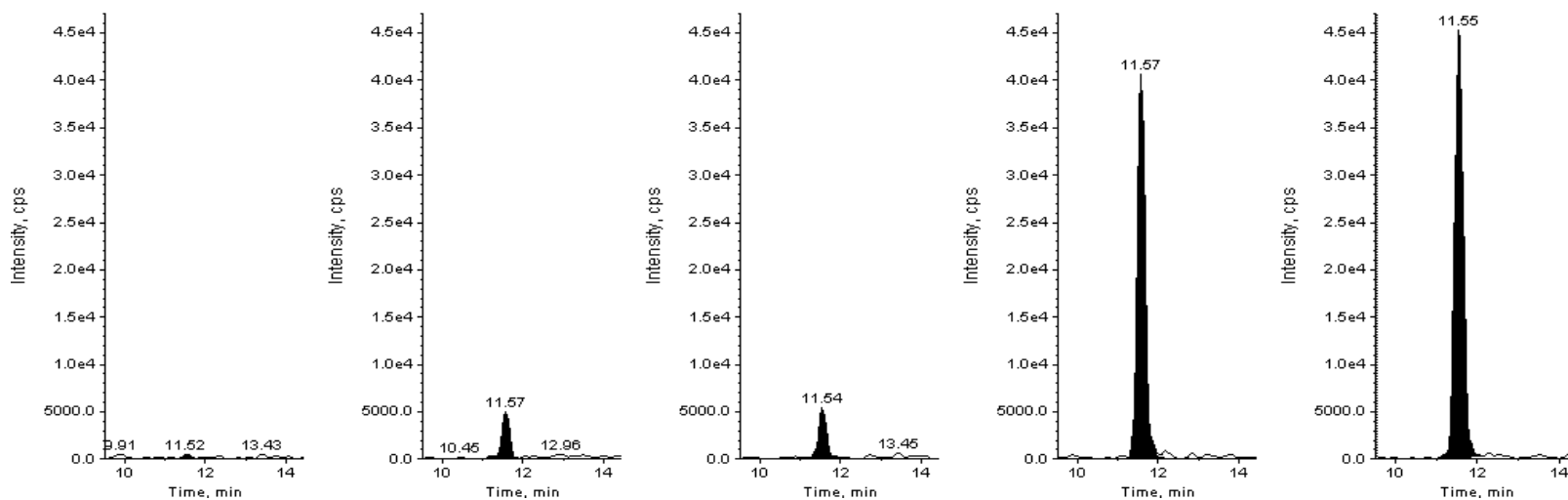


Figure: Second MRM of Dichlorvos: 221 amu → 109 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

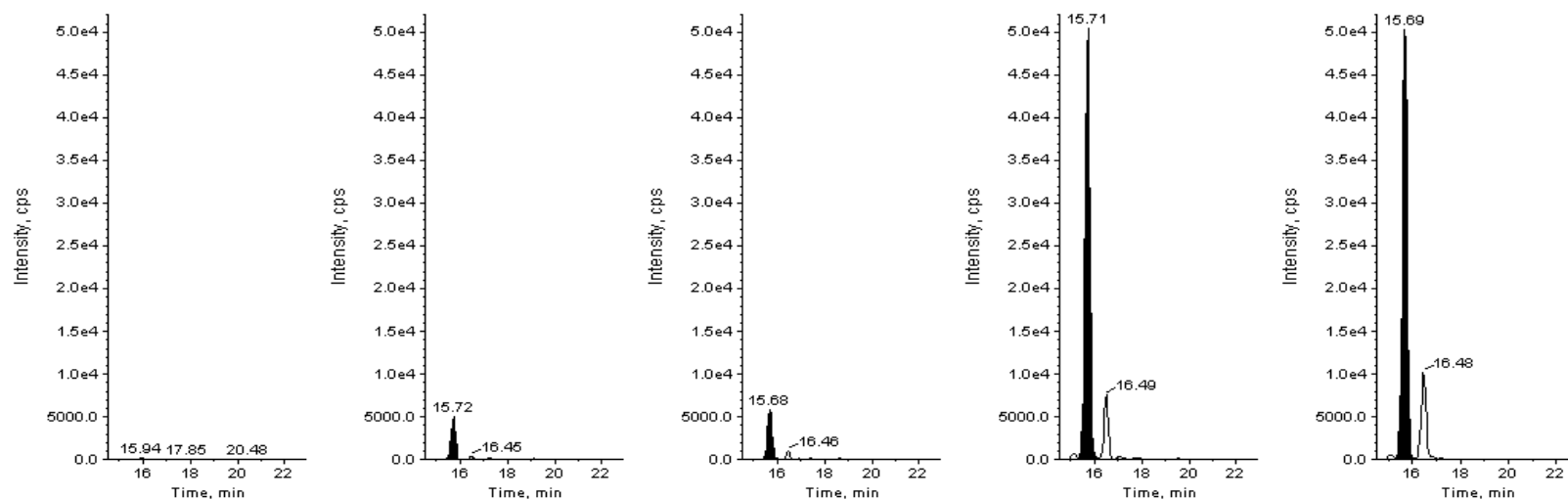


Figure: First MRM of Diclobutrazol: 328 amu → 70 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

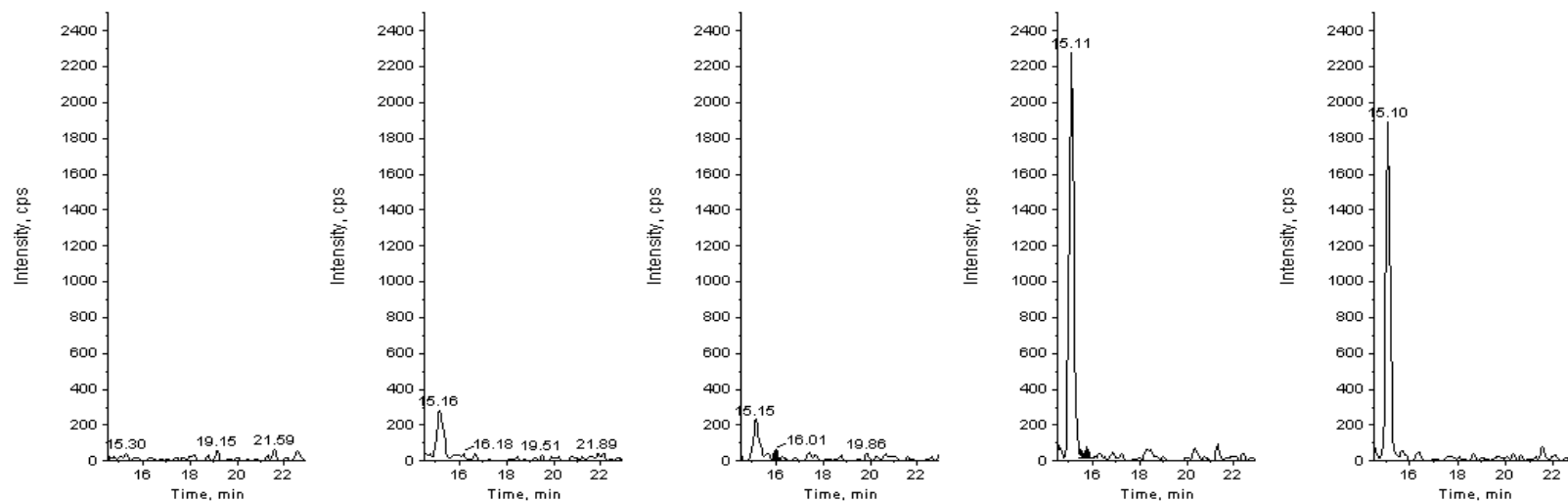


Figure: Second MRM of Diclobutrazol: 328 amu → 160 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

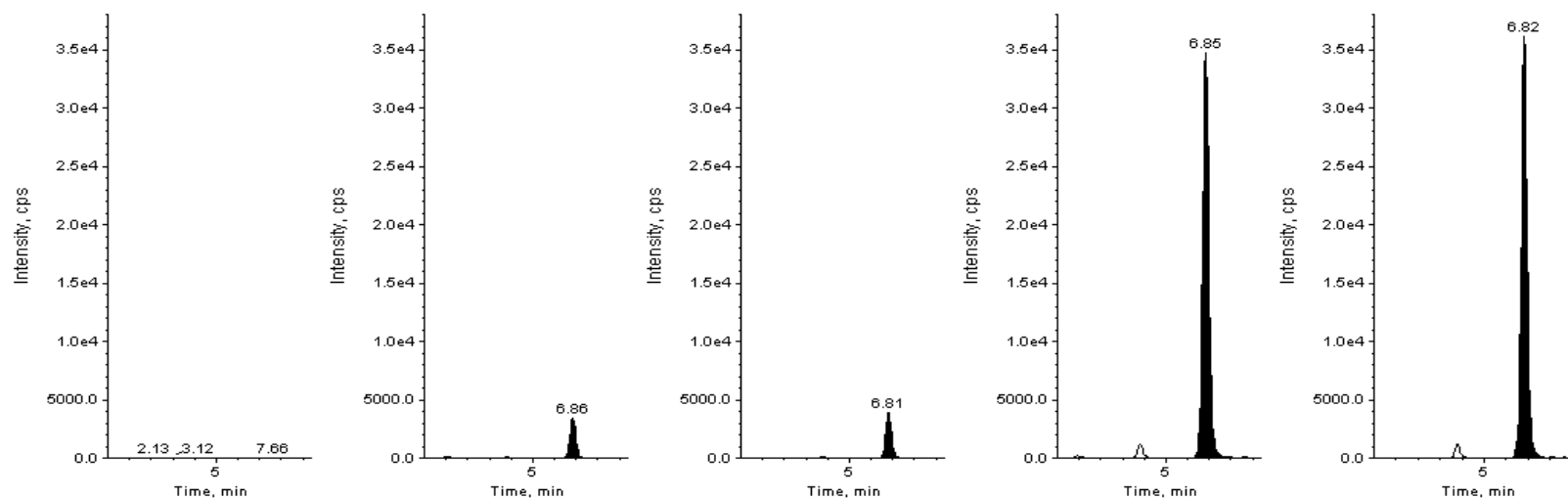


Figure: First MRM of Dicrotophos: 238 amu → 127 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

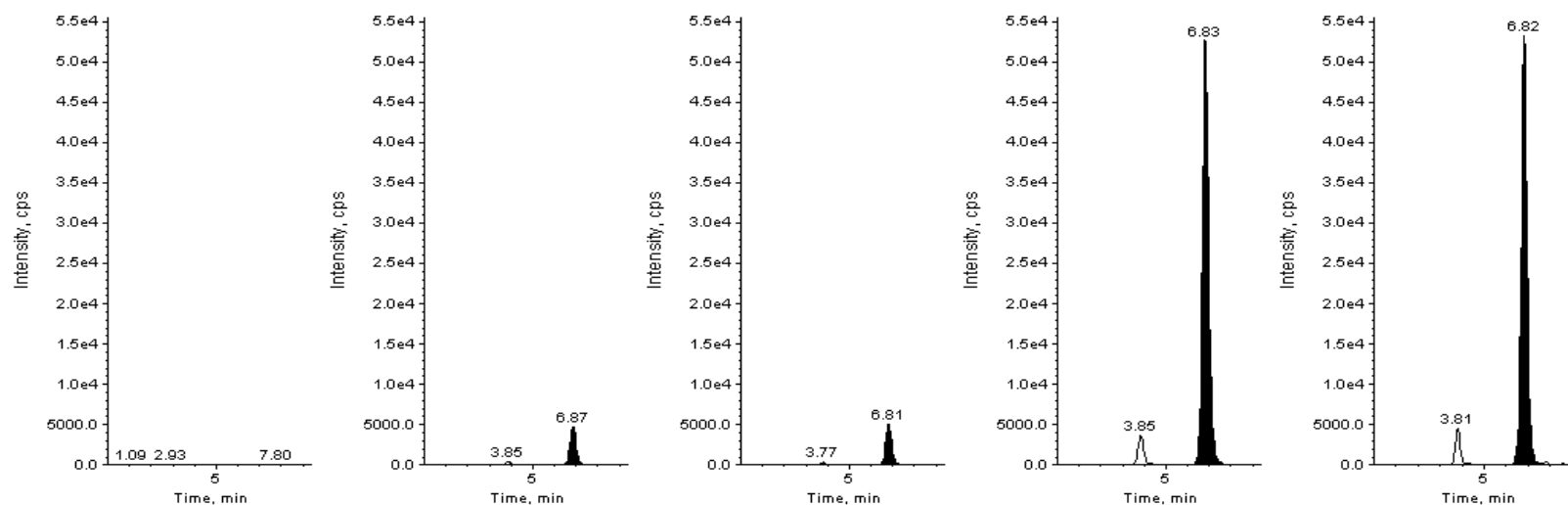


Figure: Second MRM of Dicrotophos: 238 amu → 112 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

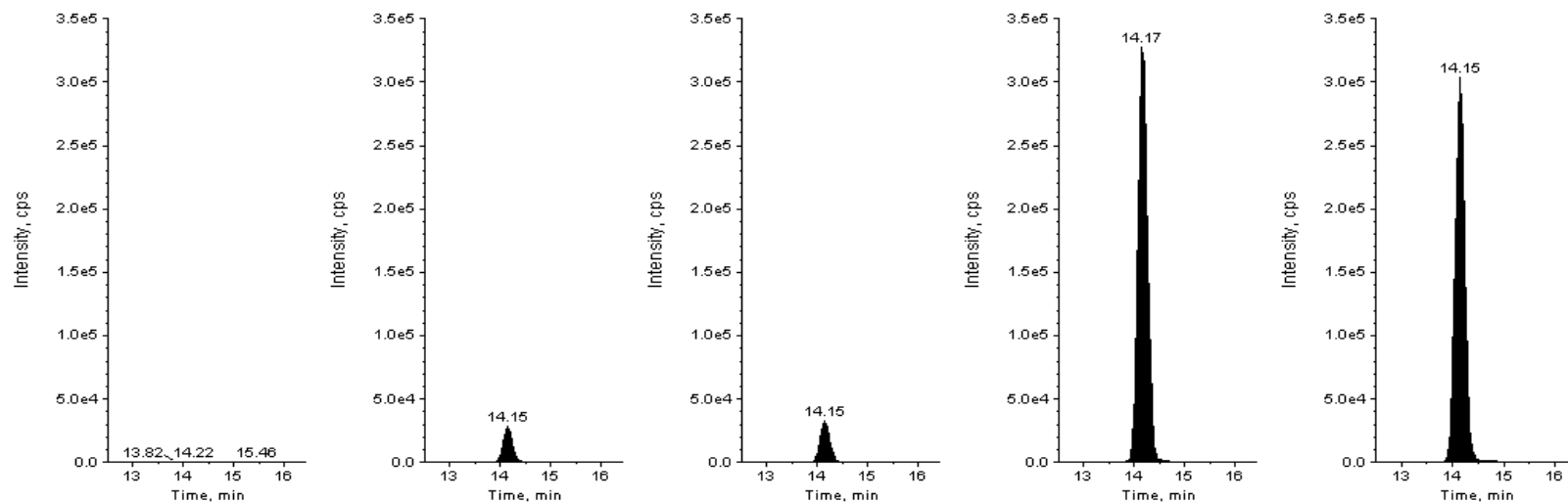


Figure: First MRM of Diethofencarb: 268 amu → 226 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

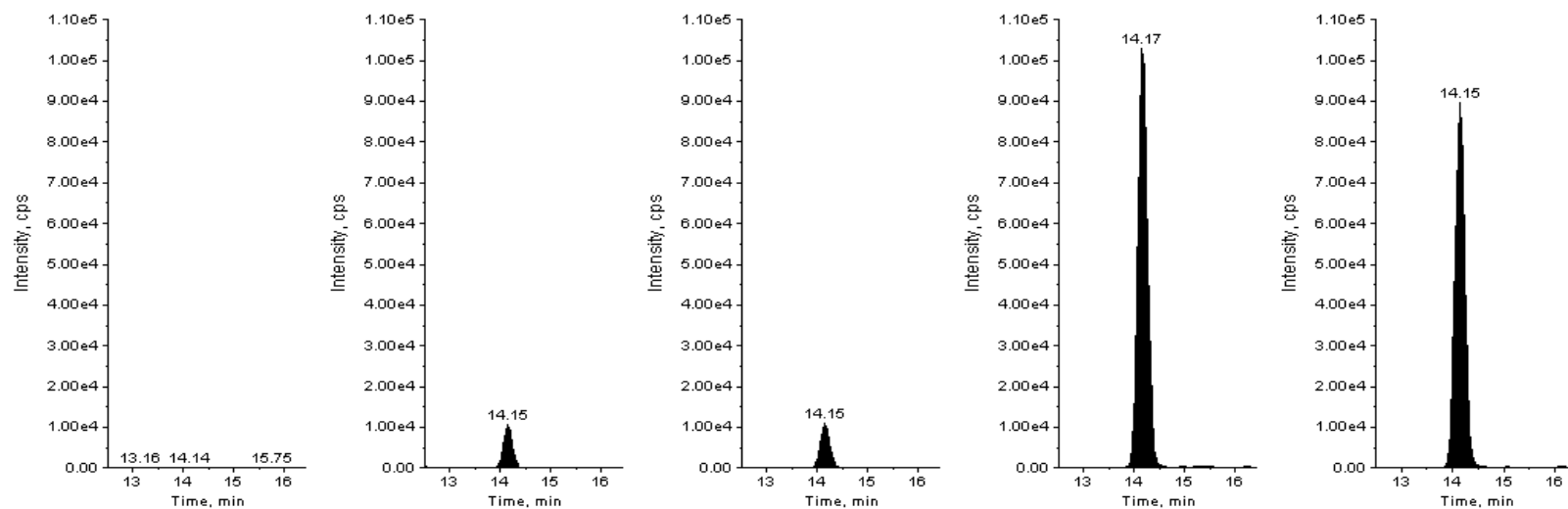


Figure: Second MRM of Diethofencarb: 268 amu → 180 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

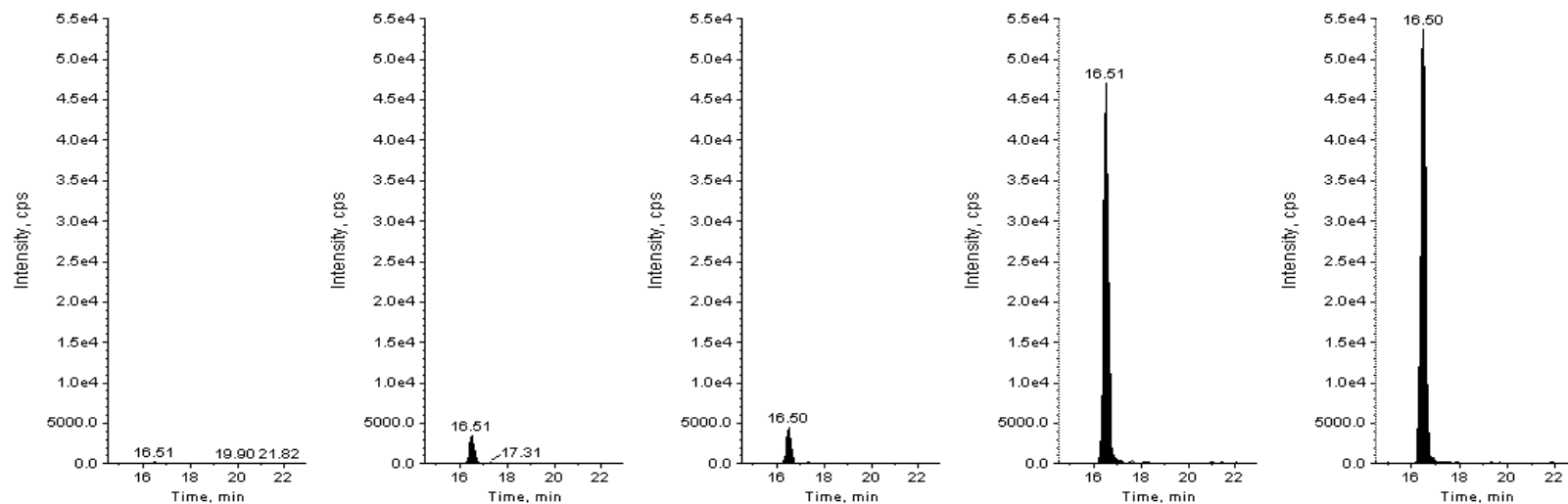


Figure: First MRM of Difenconazole: 406 amu → 251 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

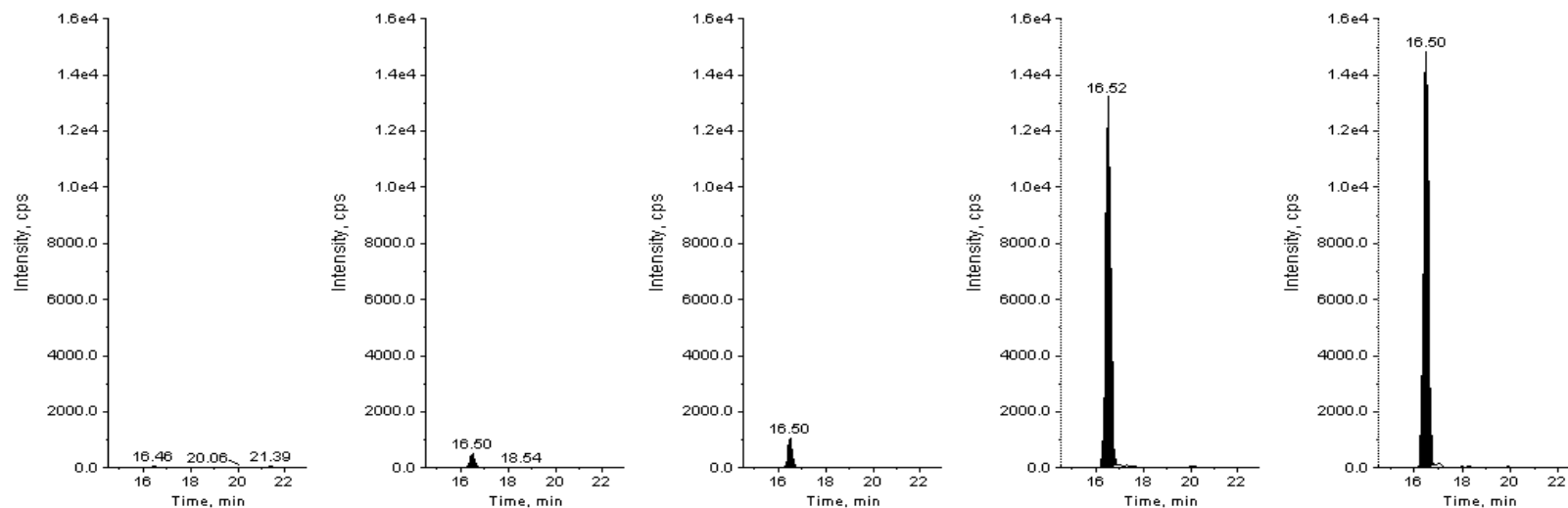


Figure: Second MRM of Difenconazole: 406 amu → 337 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

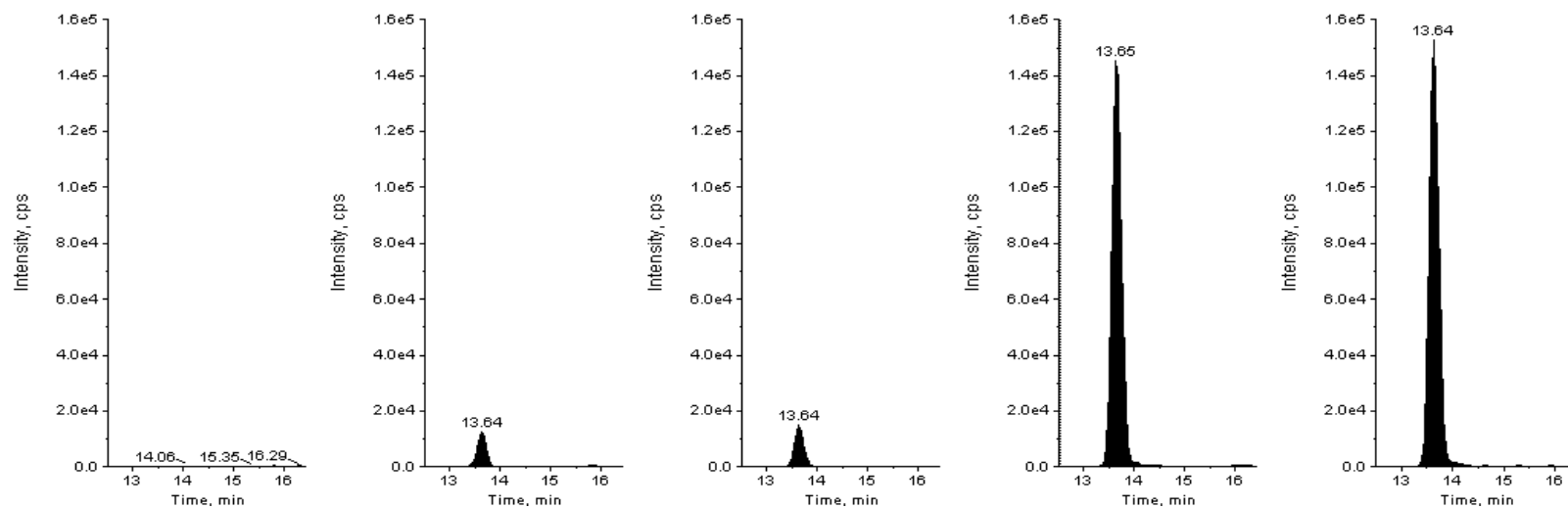


Figure: First MRM of Difenoxuron: 287 amu → 123 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

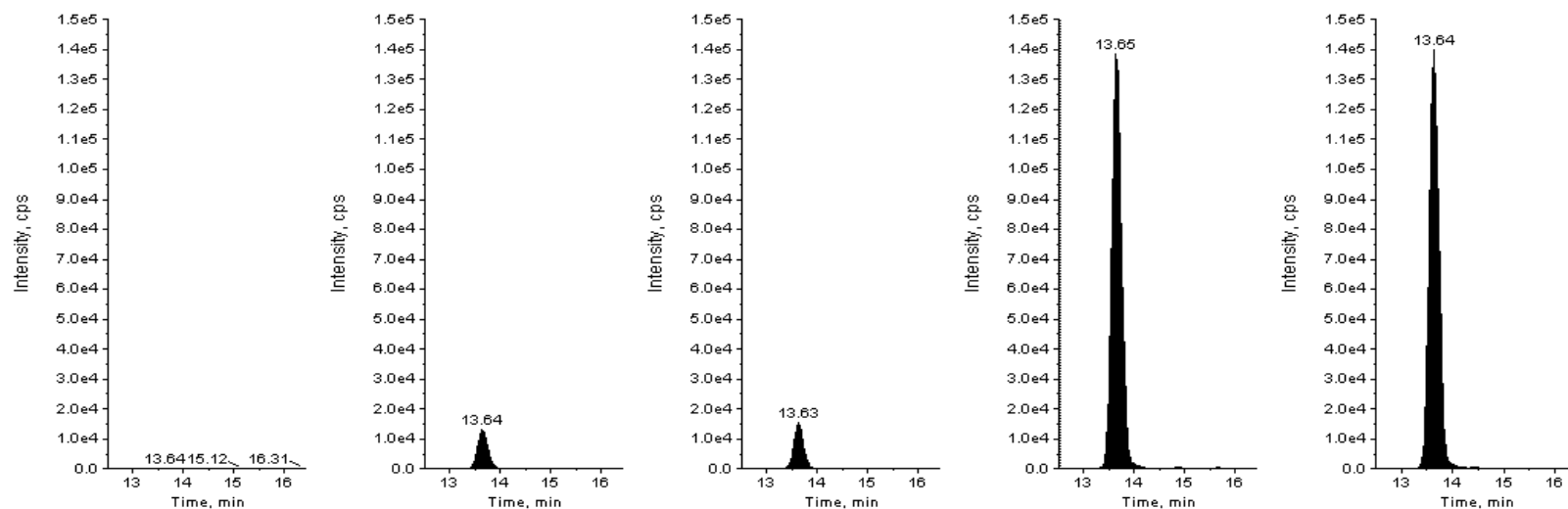


Figure: Second MRM of Difenoxuron: 287 amu → 72 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

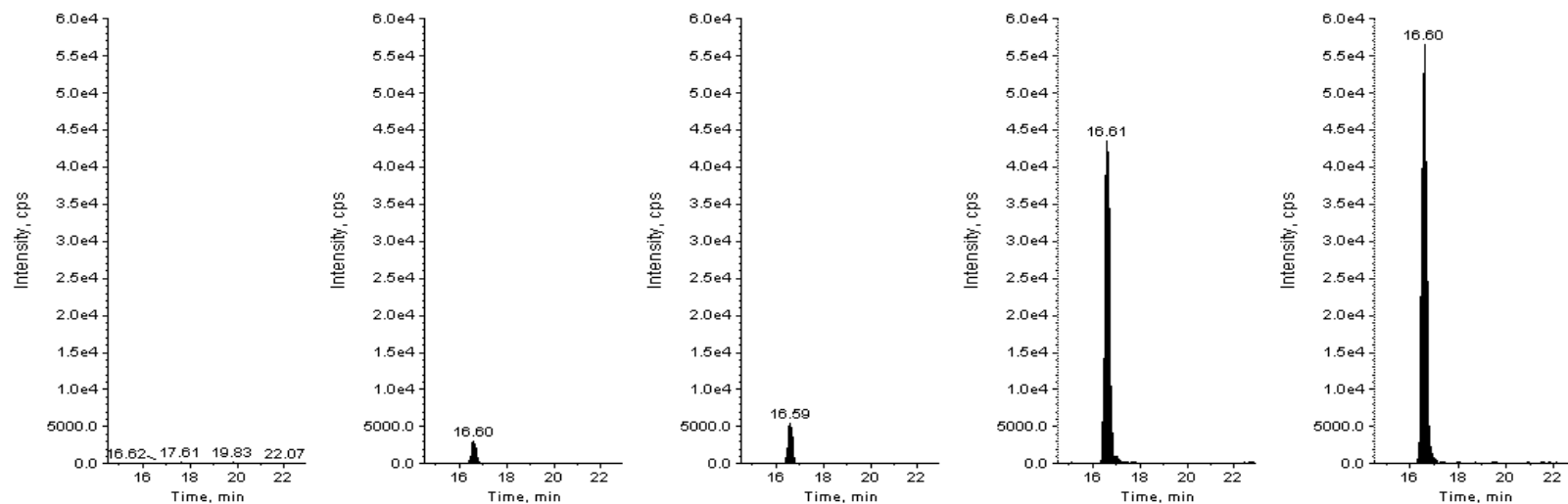


Figure: First MRM of Diflufenican: 395 amu → 266 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

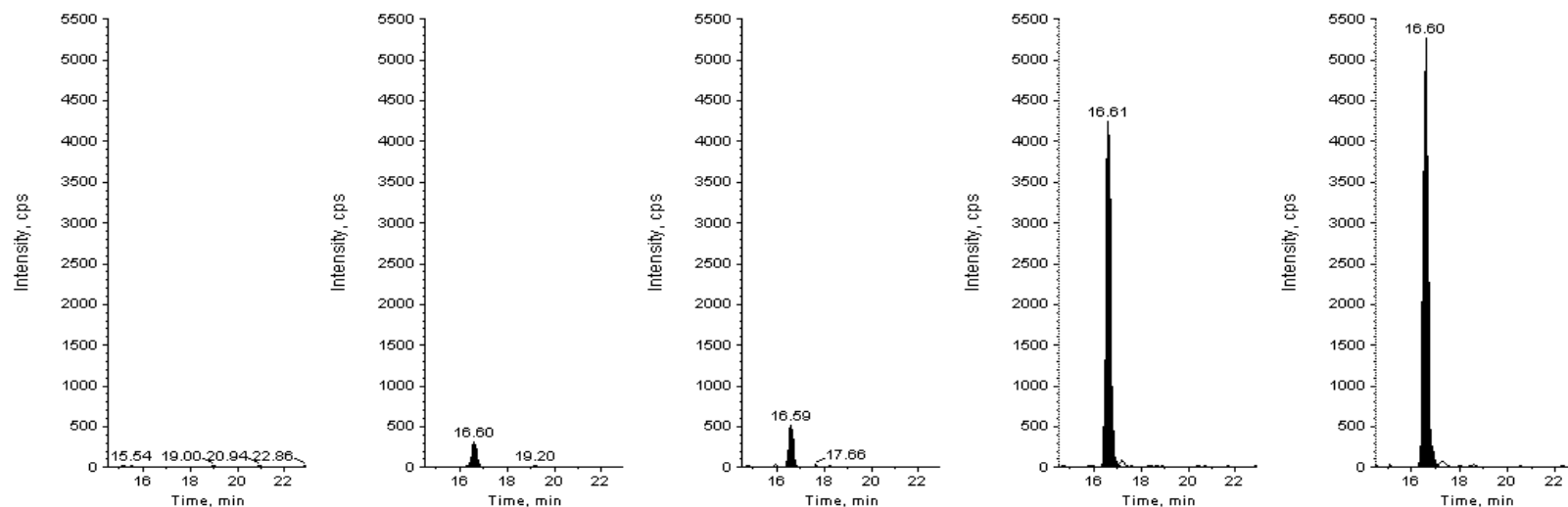


Figure: Second MRM of Diflufenican: 395 amu → 246 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

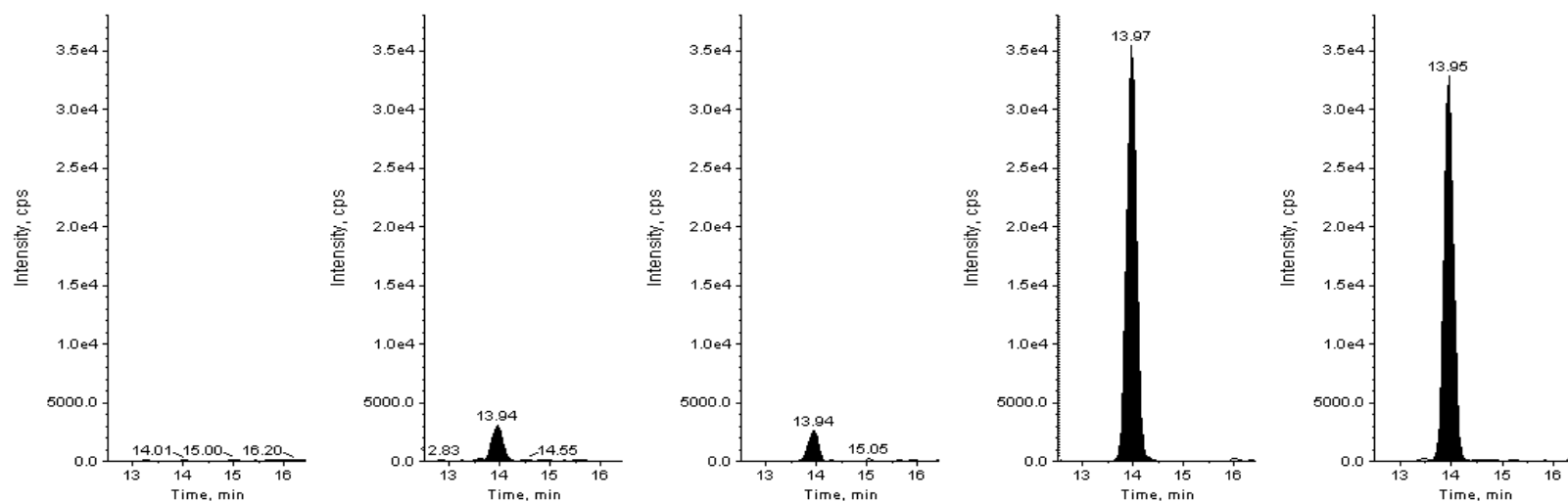


Figure: First MRM of Dimefuron: 339 amu → 167 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

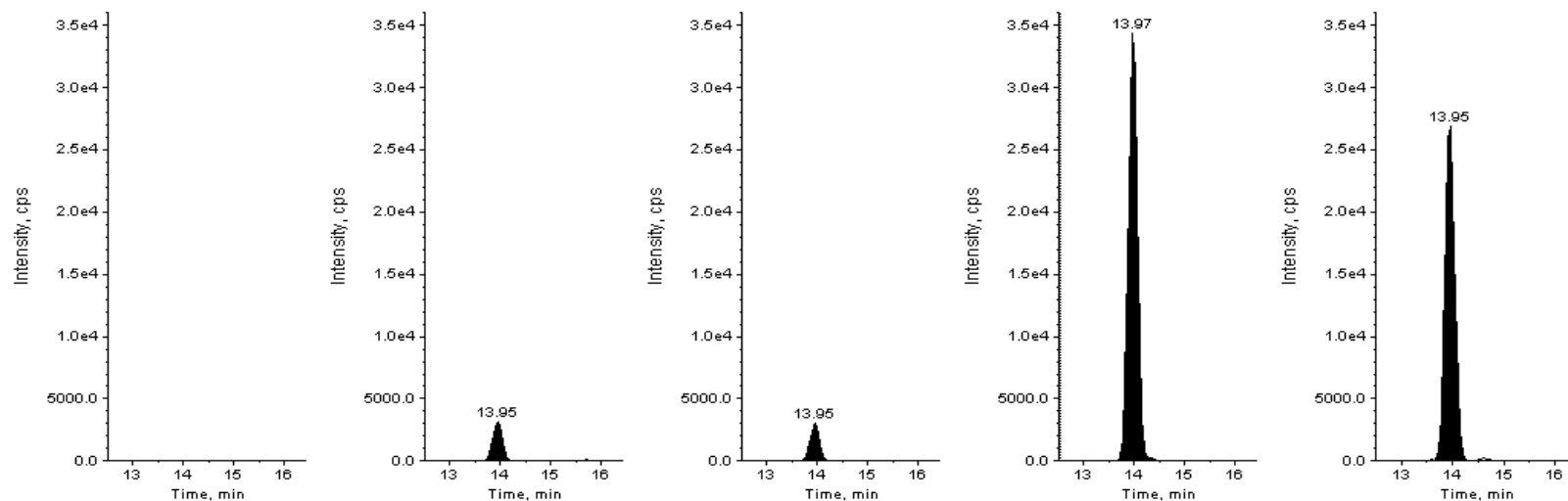


Figure: Second MRM of Dimefuron: 339 amu → 256 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

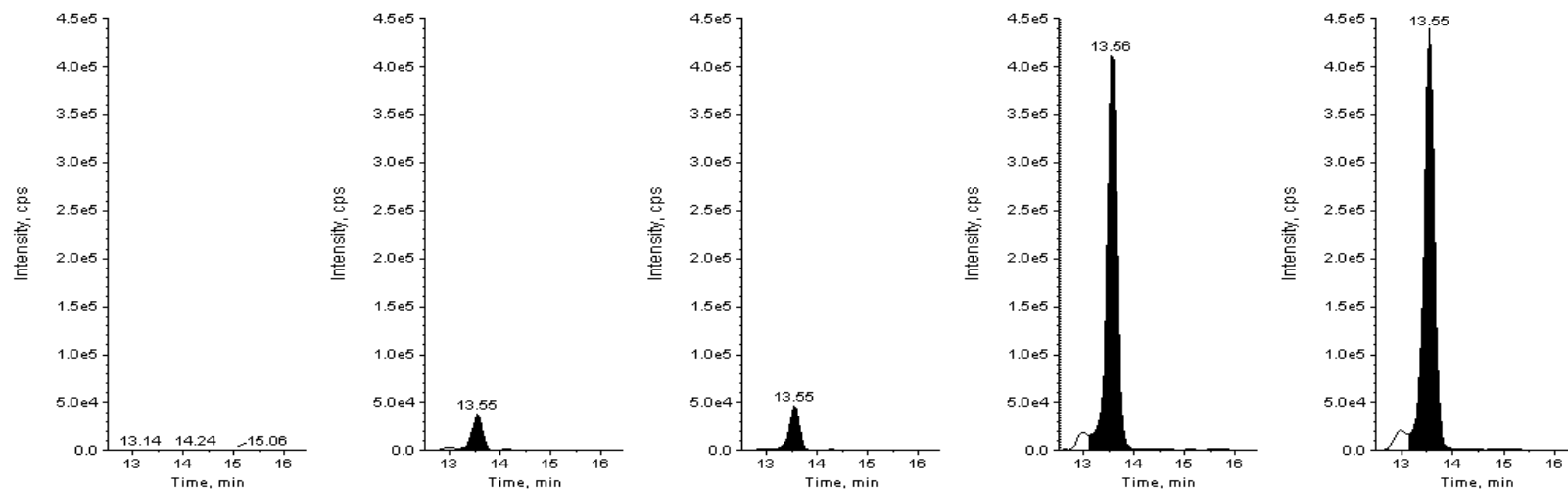


Figure: First MRM of Dimethachlor: 256 amu → 224 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

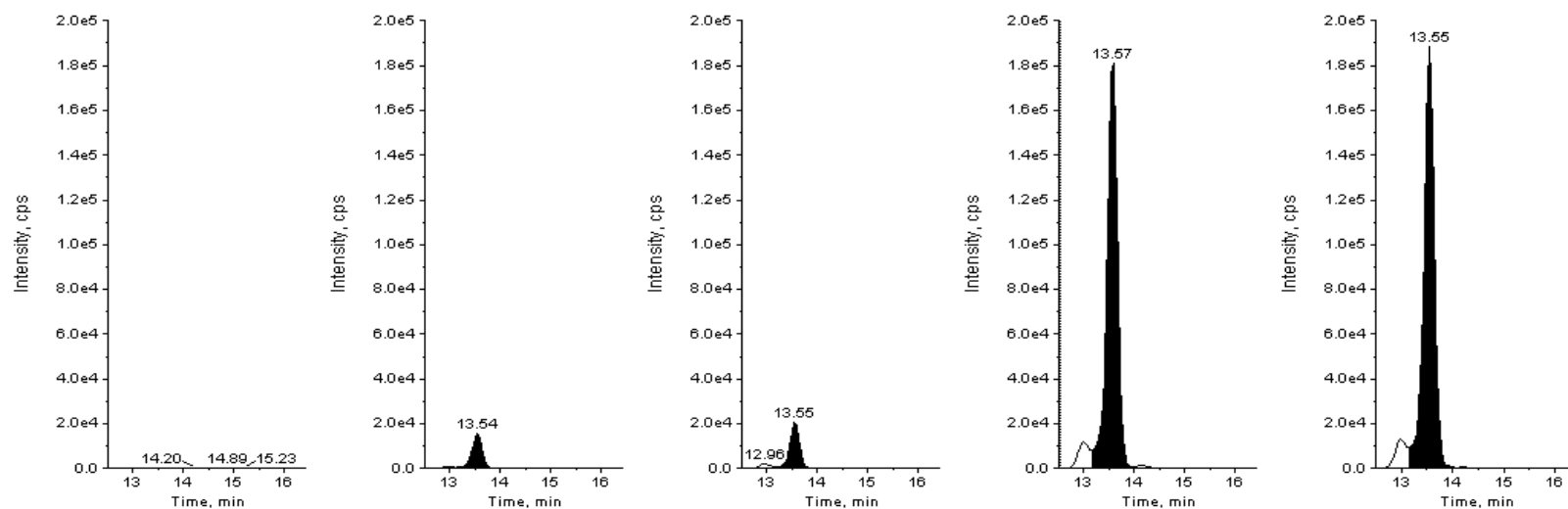


Figure: Second MRM of Dimethachlor: 256 amu → 148 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

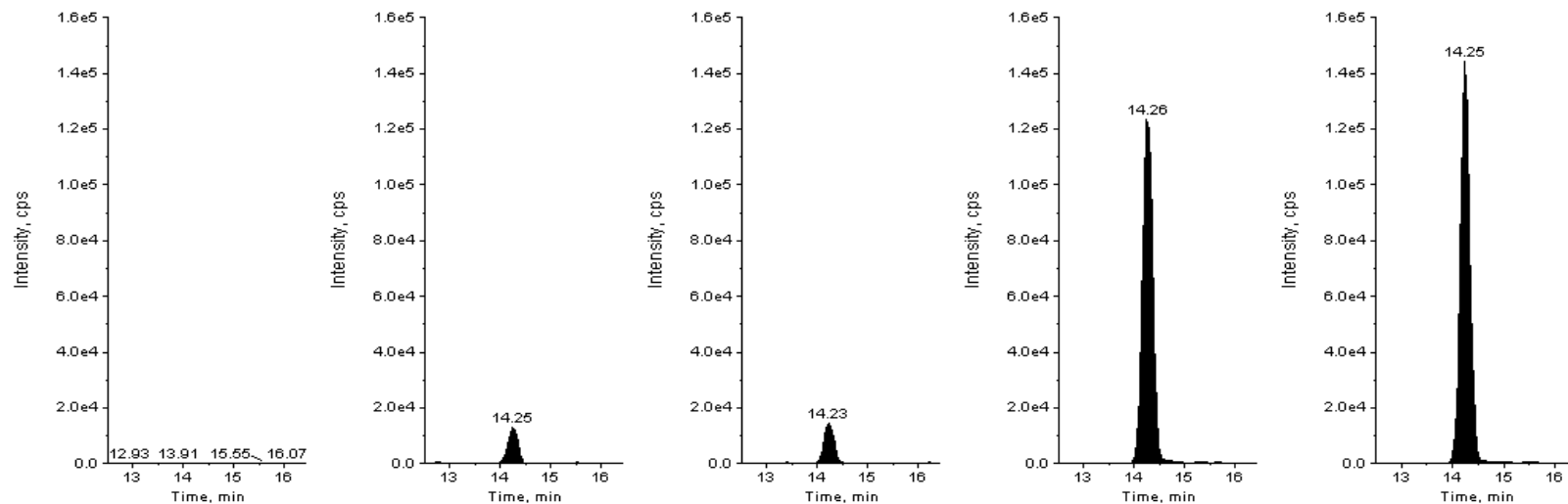


Figure: First MRM of Dimethenamide: 276 amu $\rightarrow$ 244 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

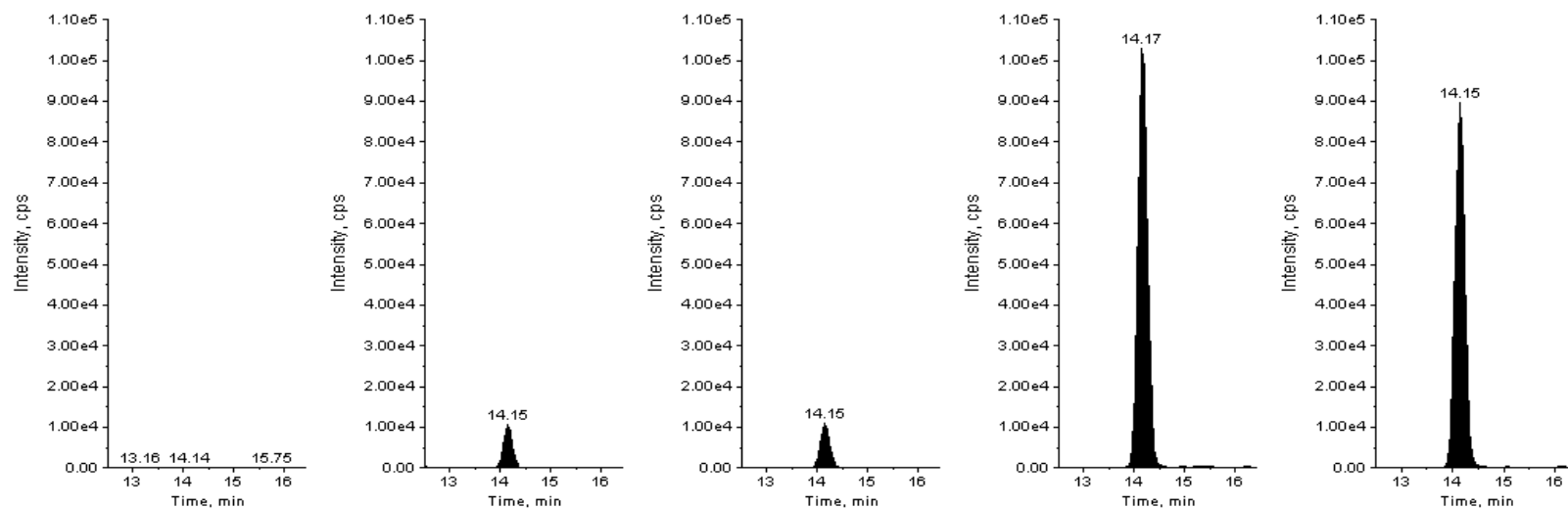


Figure: Second MRM of Dimethenamide: 276 amu $\rightarrow$ 168 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

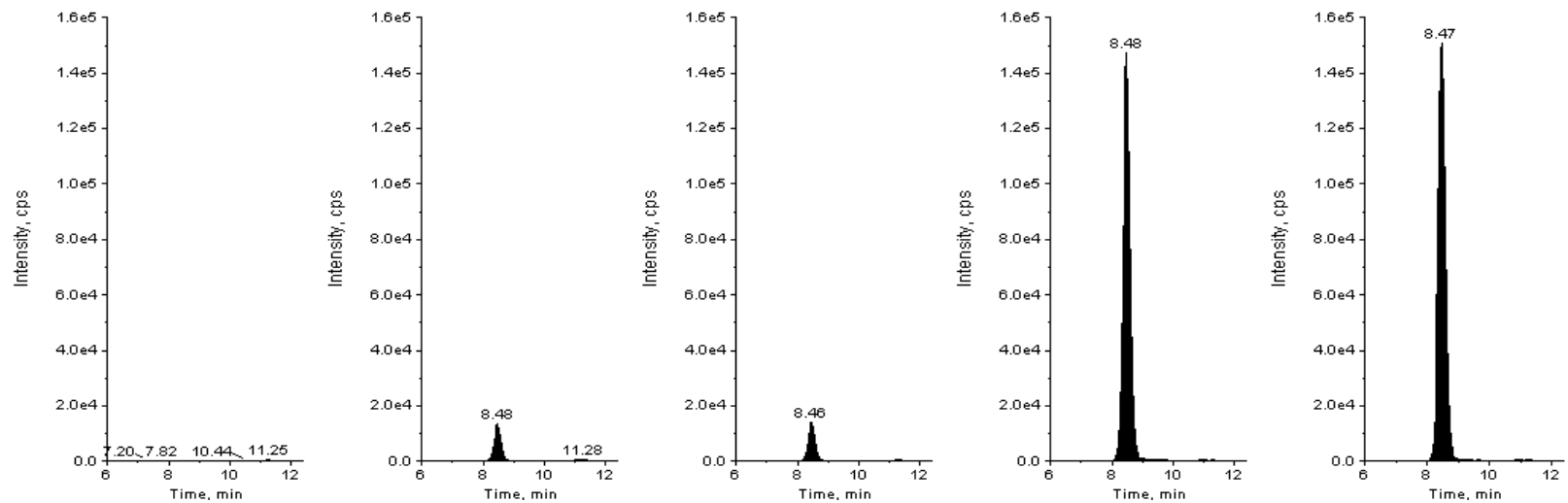


Figure: First MRM of Dimethoate: 230 amu $\rightarrow$ 125 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

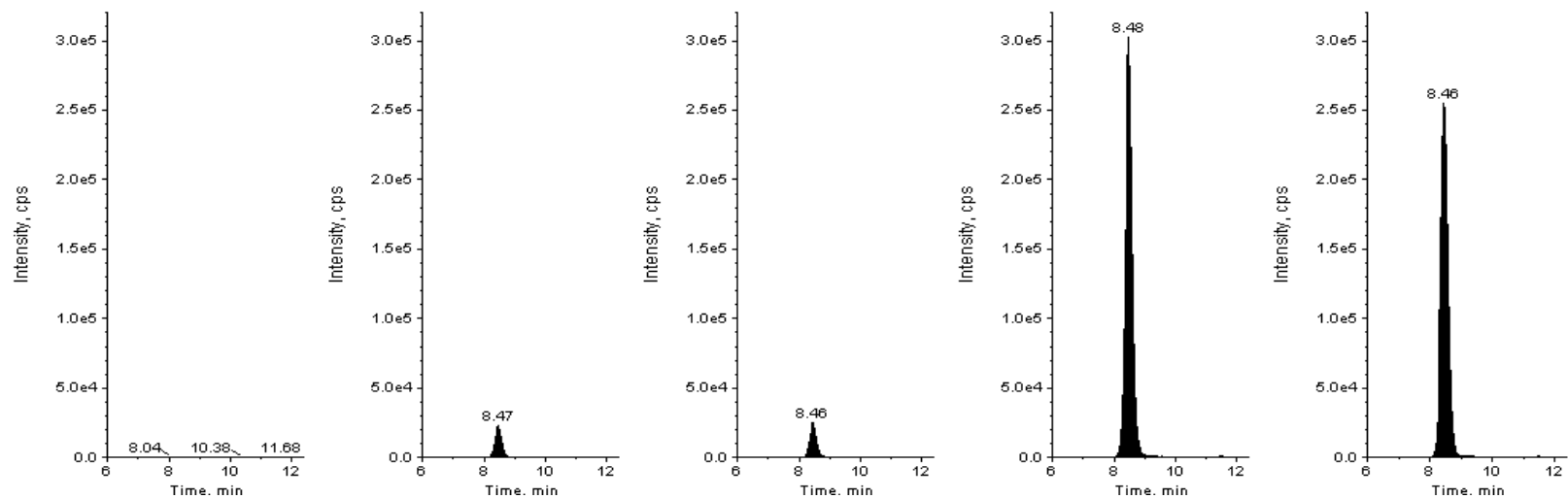


Figure: Second MRM of Dimethoate: 230 amu $\rightarrow$ 199 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

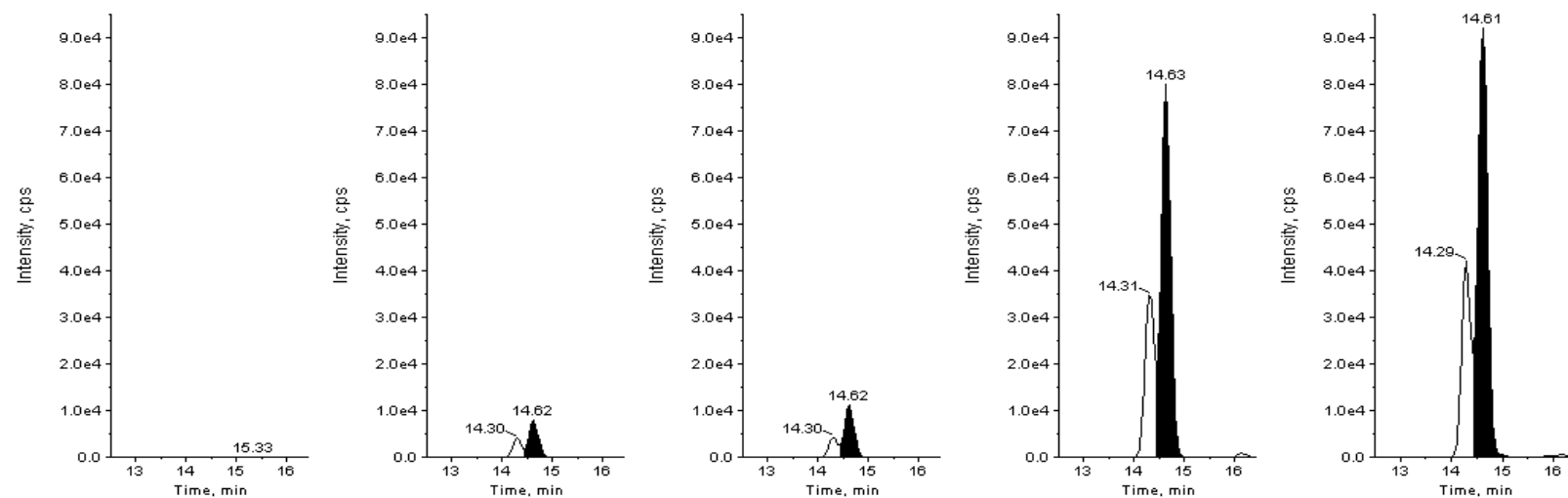


Figure: First MRM of Dimethomorph: 388 amu → 301 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

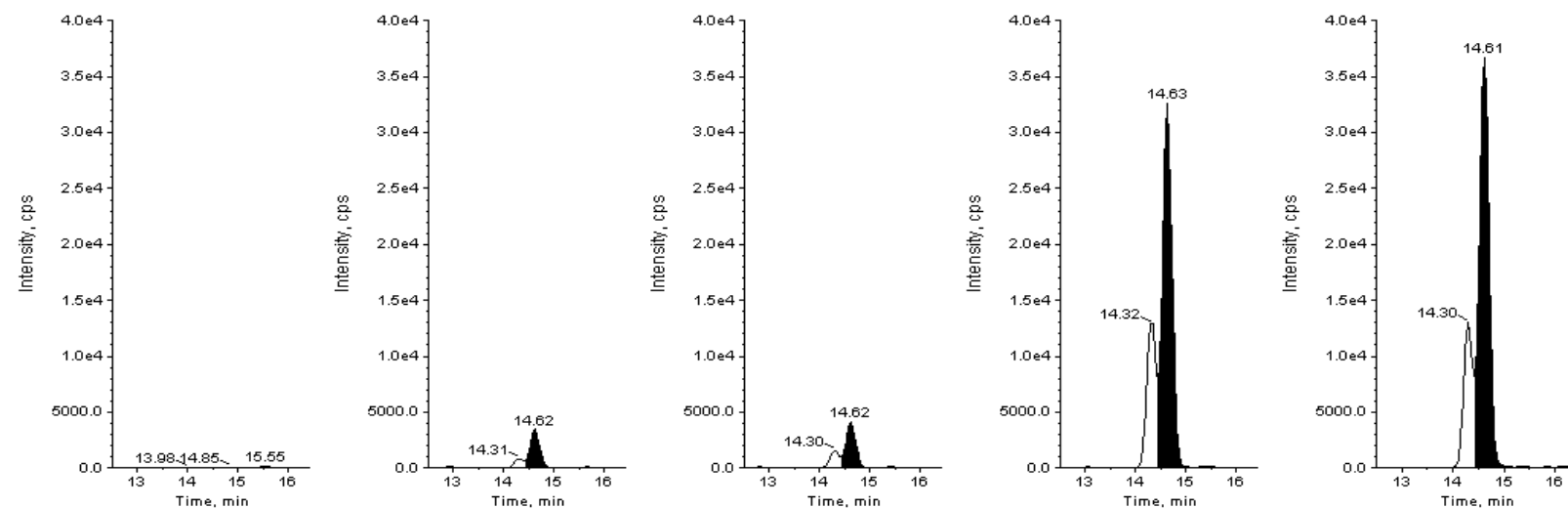


Figure: Second MRM of Dimethomorph: 388 amu → 165 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

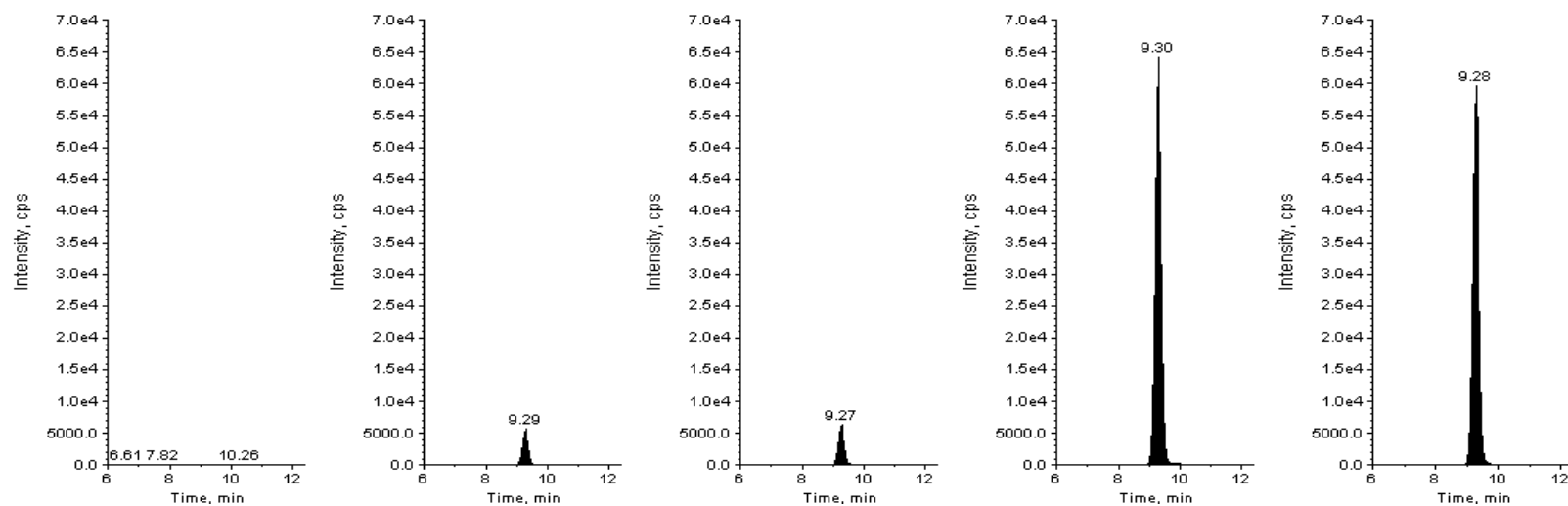


Figure: First MRM of Dimetilan: 241 amu → 72 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

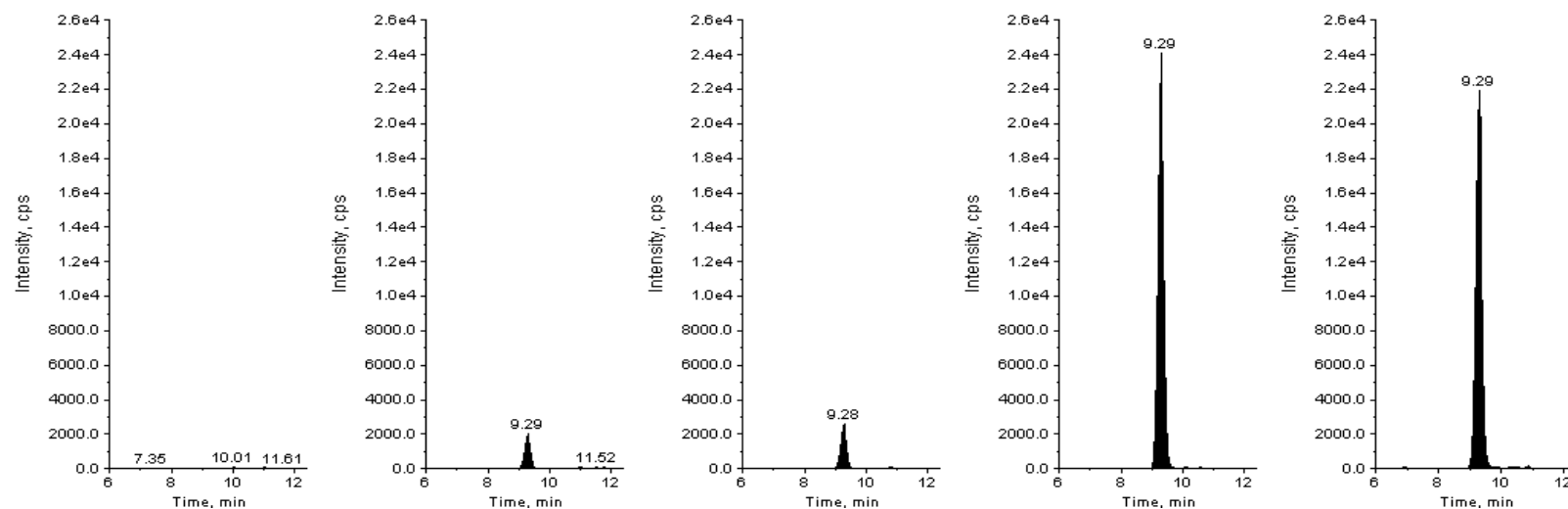


Figure: Second MRM of Dimetilan: 241 amu → 196 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

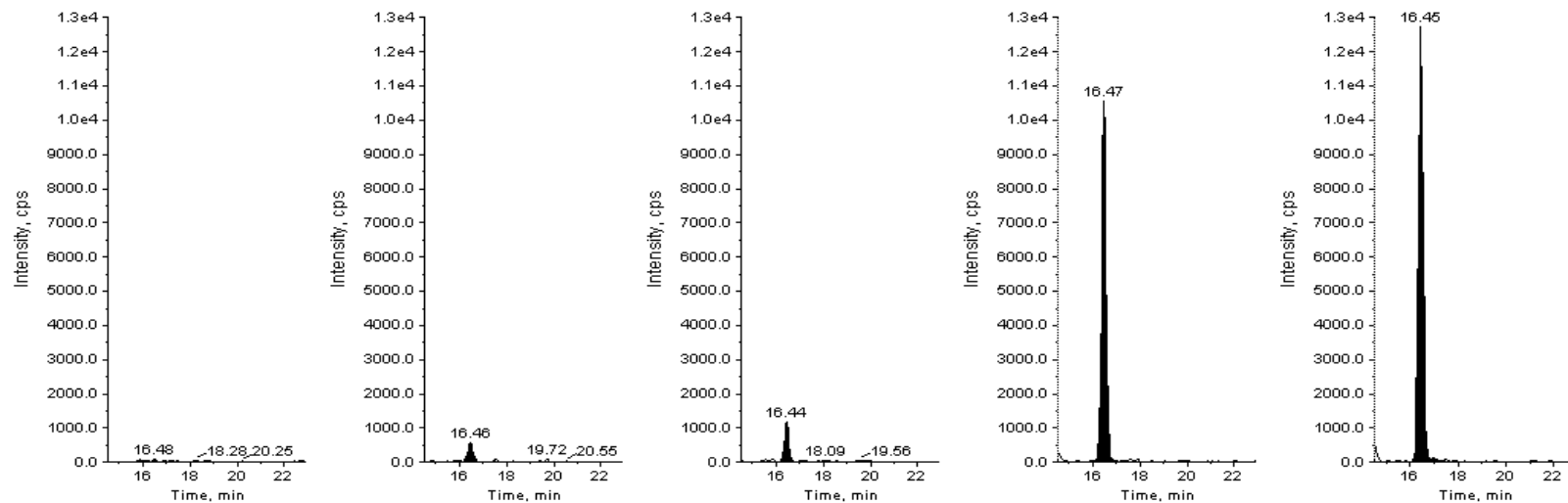


Figure: First MRM of Diniconazole: 326 amu → 70 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

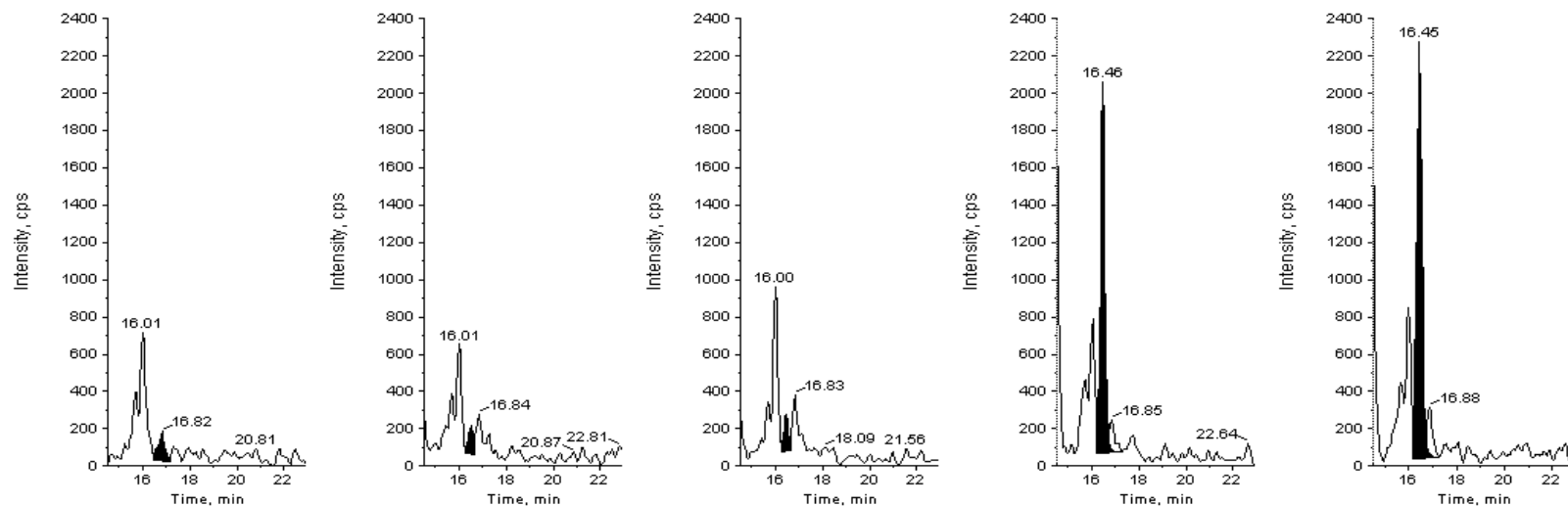


Figure: Second MRM of Diniconazole: 326 amu → 159 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

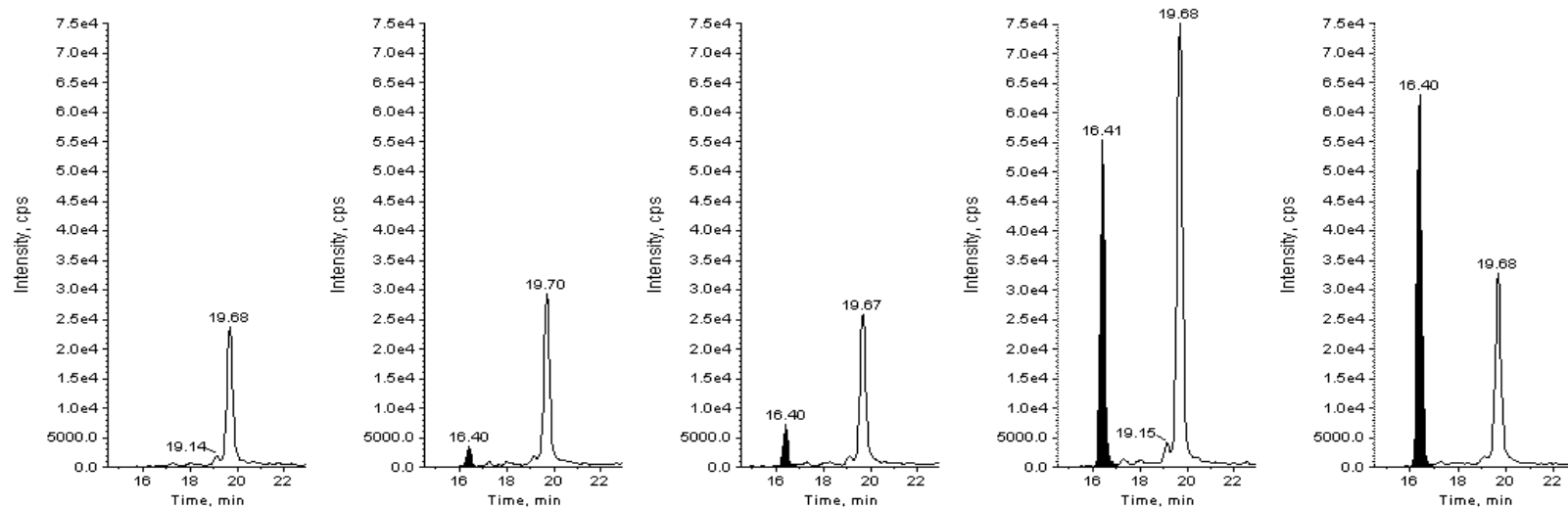


Figure: First MRM of Disulfoton: 275 amu → 89 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

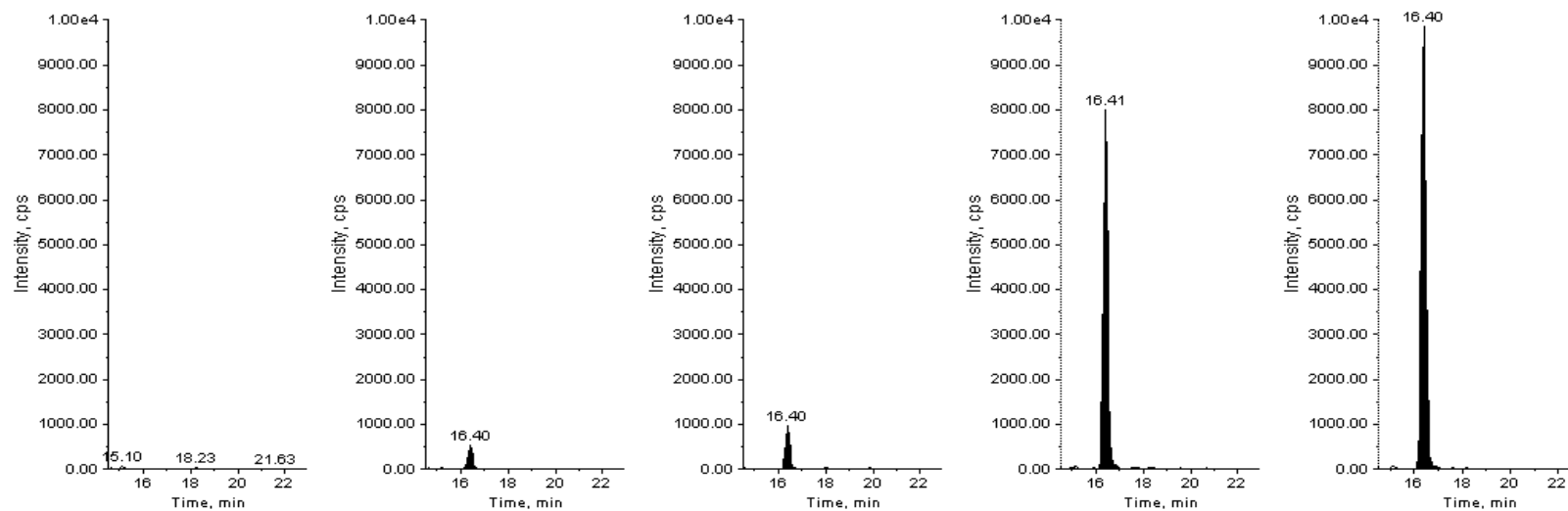


Figure: Second MRM of Disulfoton: 275 amu → 61 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

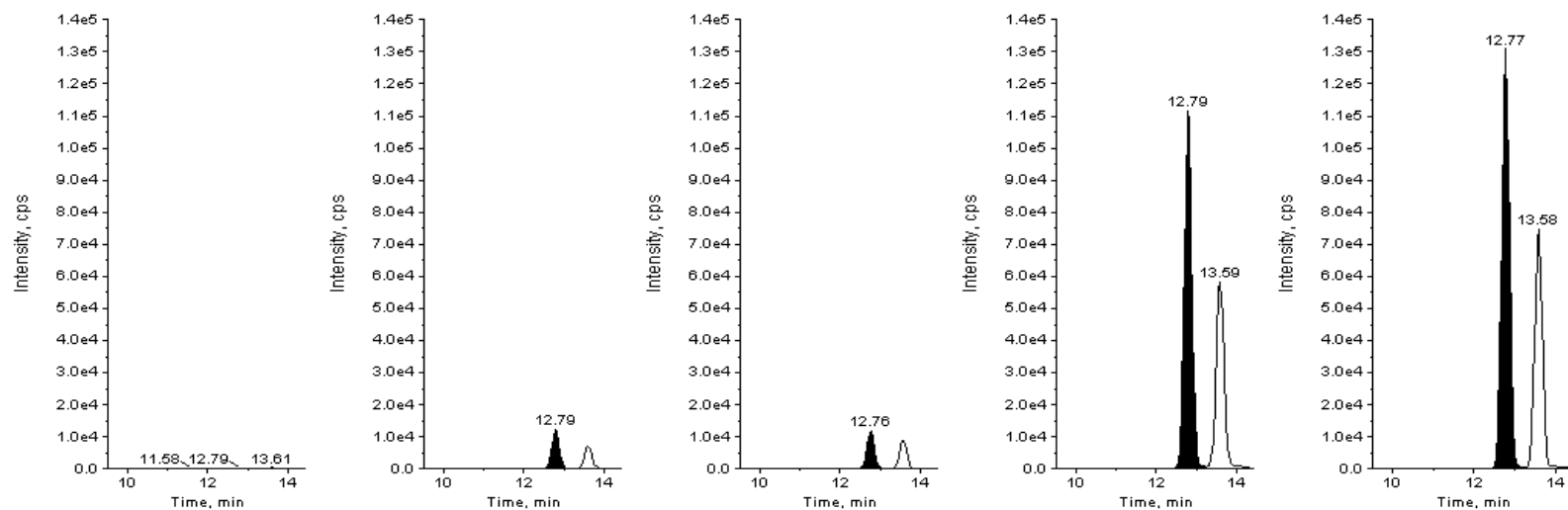


Figure: First MRM of Diuron: 233 amu → 72 amu
(Control sample, standard 0.1µg/L, spiked sample 0.1µg/L, standard 1.0µg/L, spiked sample 1.0µg/L, from left to right)

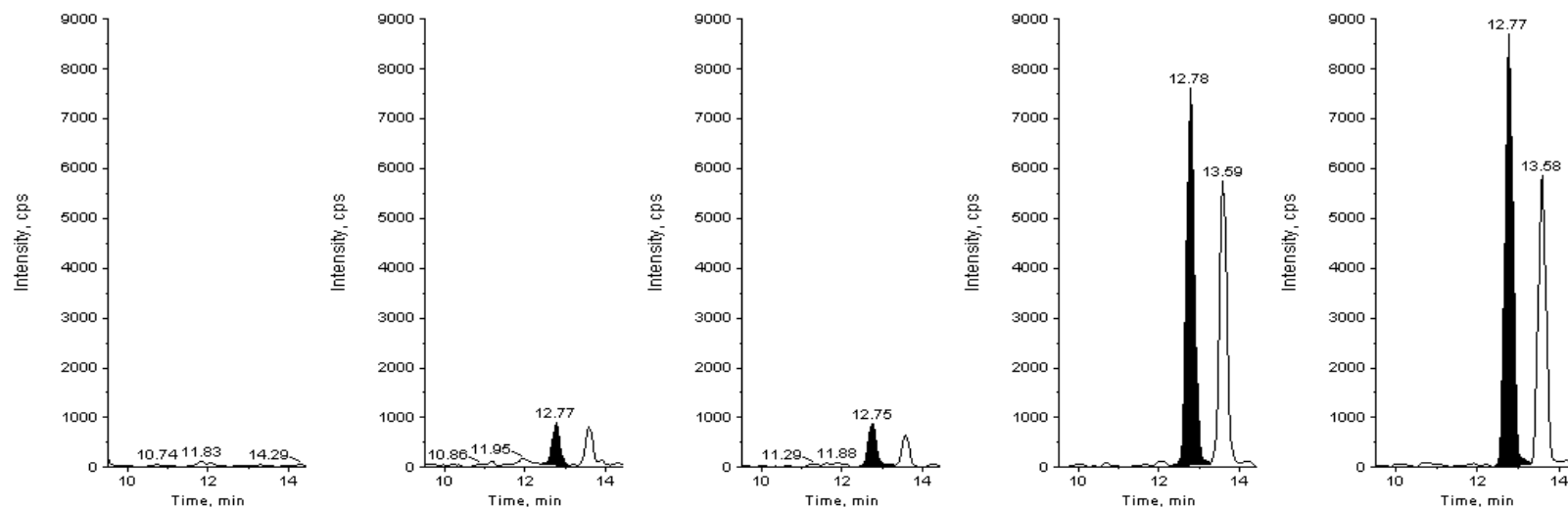


Figure: Second MRM of Diuron: 233 amu → 160 amu
(Control sample, standard 0.1µg/L, spiked sample 0.1µg/L, standard 1.0µg/L, spiked sample 1.0µg/L, from left to right)

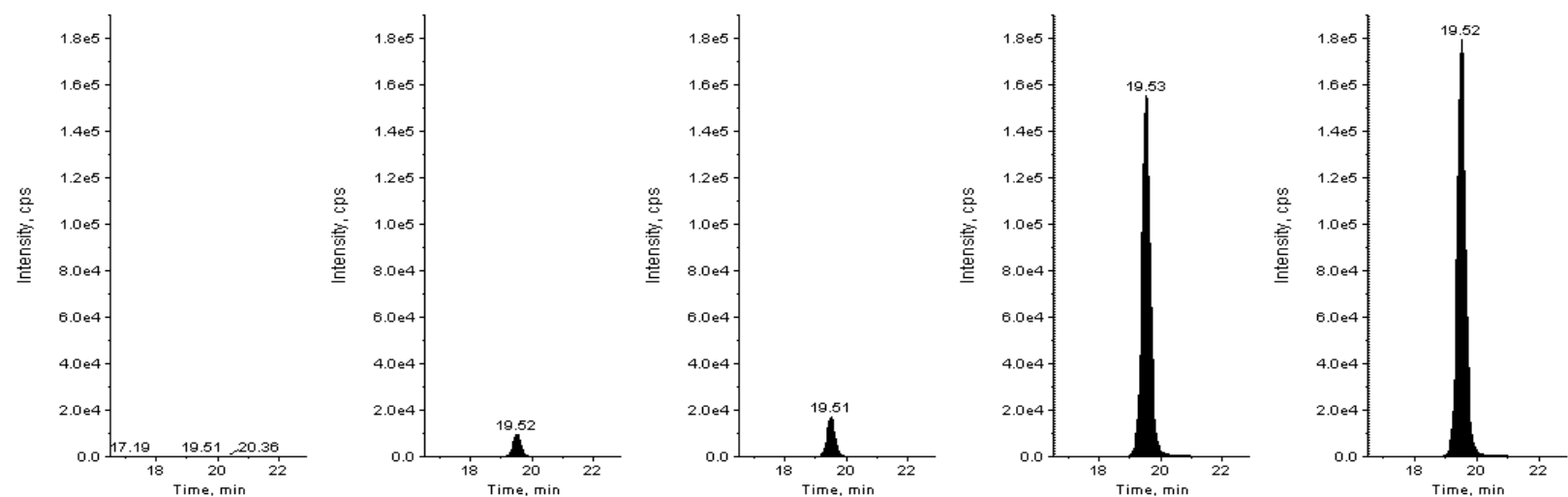


Figure: First MRM of Dodemorph: 282 amu $\rightarrow$ 116 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

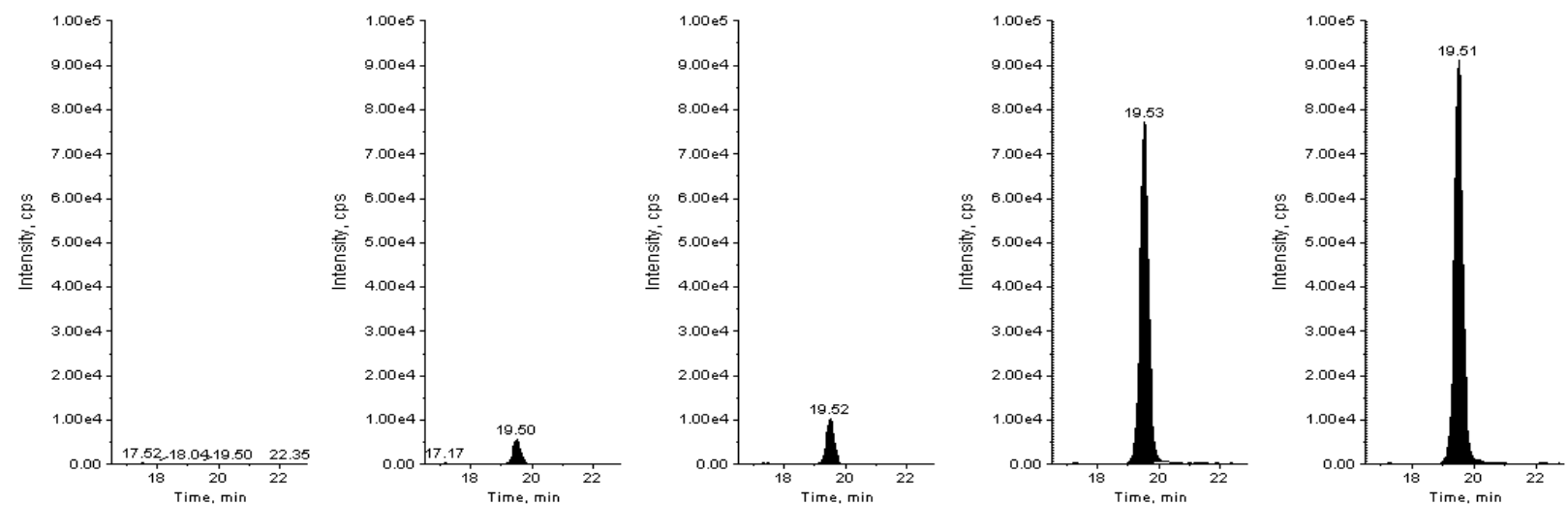


Figure: Second MRM of Dodemorph: 282 amu $\rightarrow$ 98 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

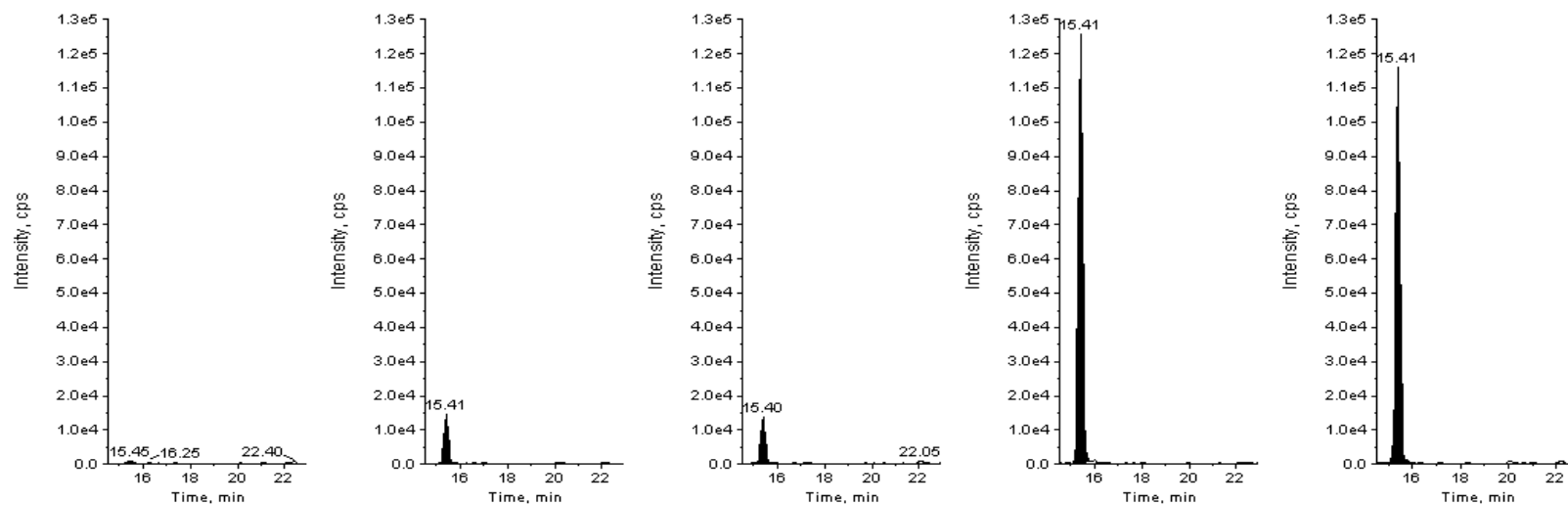


Figure: First MRM of Epoxiconazole: 330 amu $\rightarrow$ 121 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

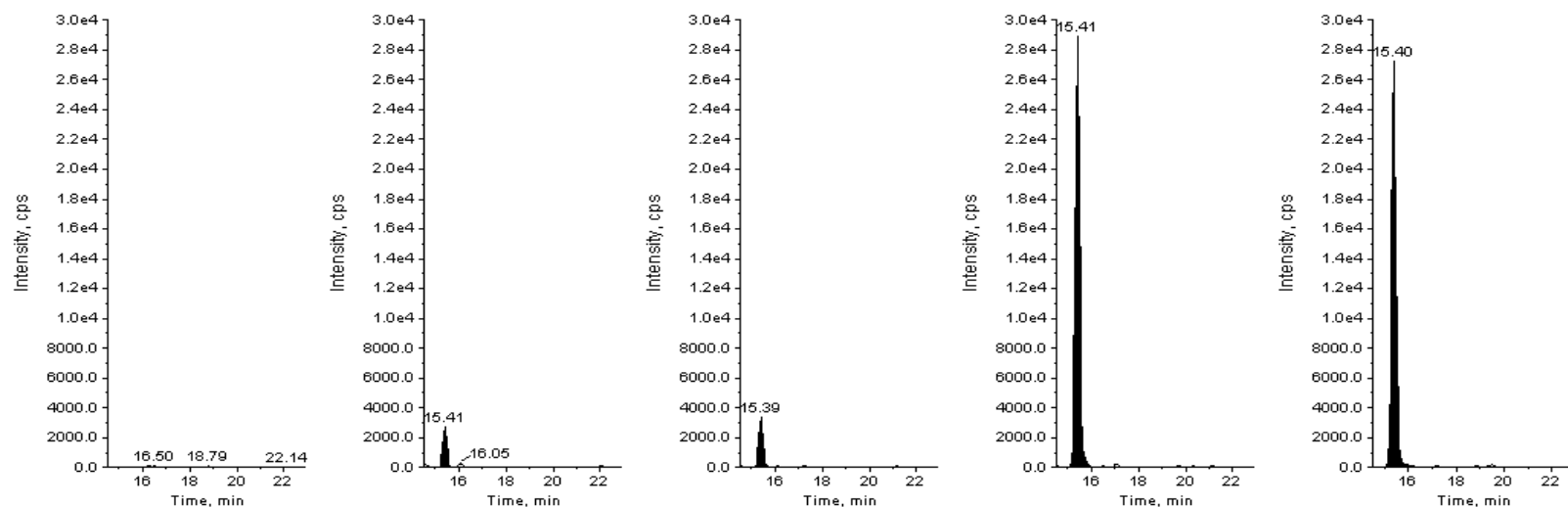


Figure: Second MRM of Epoxiconazole: 330 amu $\rightarrow$ 101 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

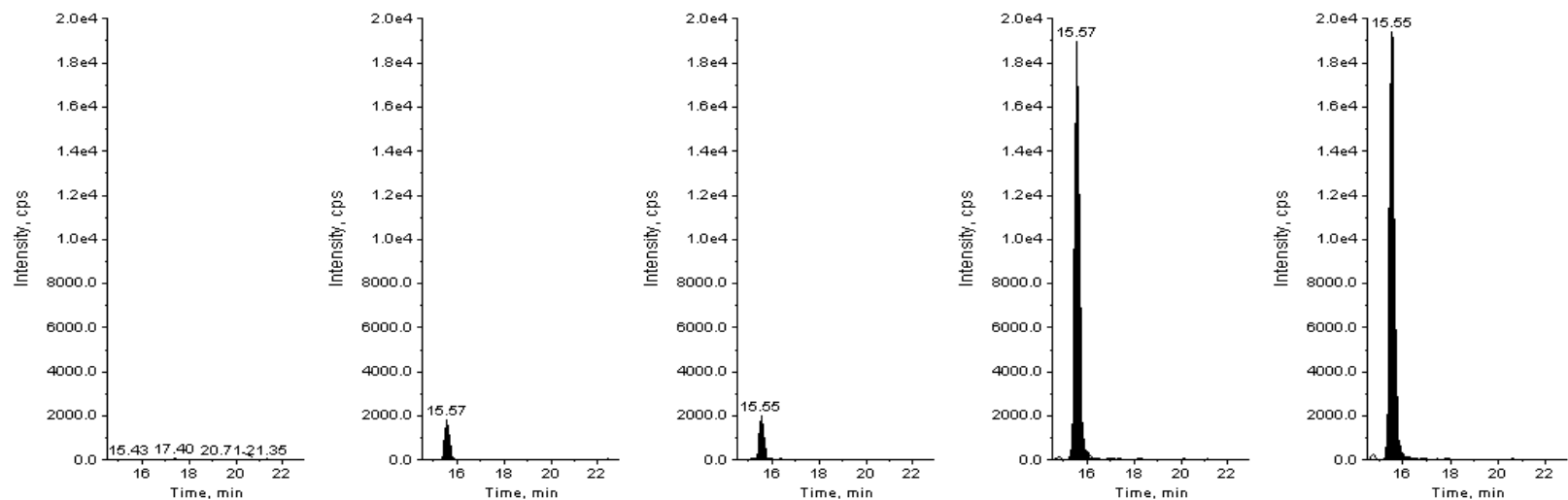


Figure: First MRM of EPTC: 190 amu $\rightarrow$ 128 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

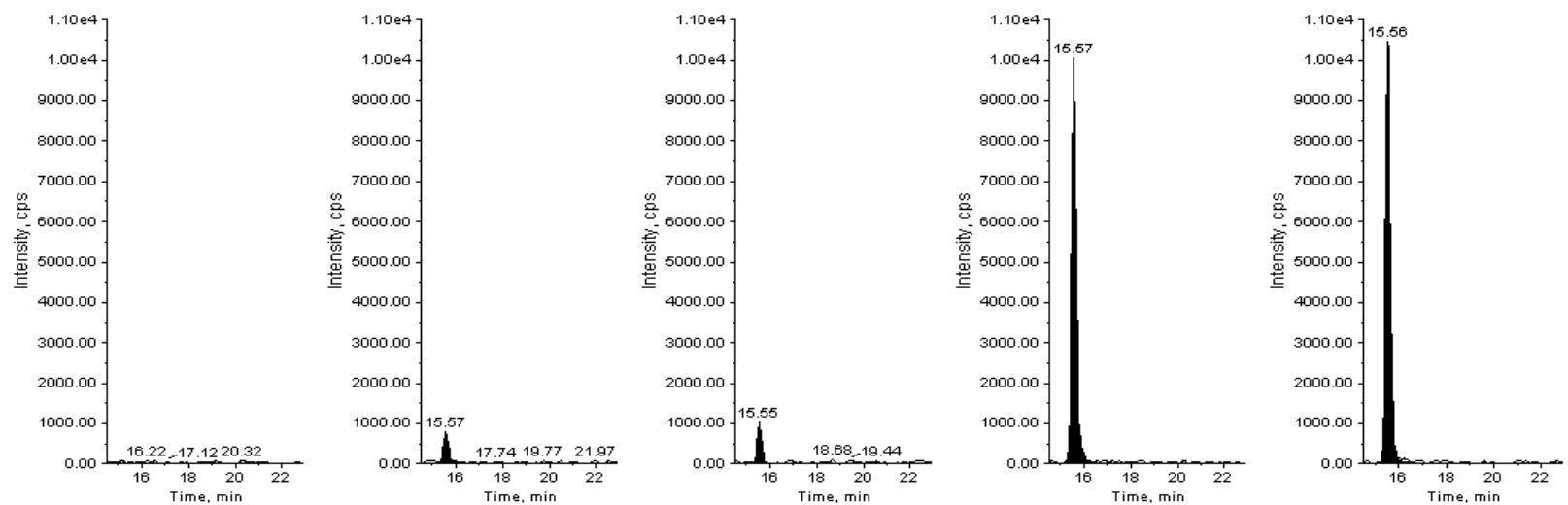


Figure: Second MRM of EPTC: 190 amu $\rightarrow$ 86 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

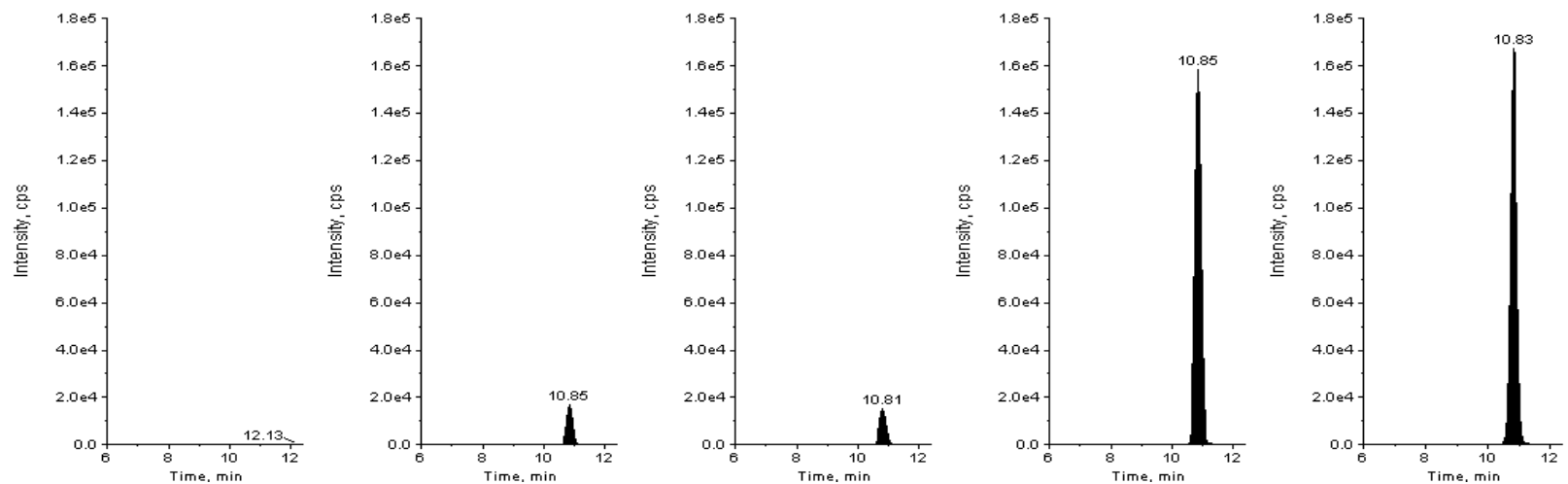


Figure: First MRM of Ethametsulfuron-methyl: 411 amu → 196 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

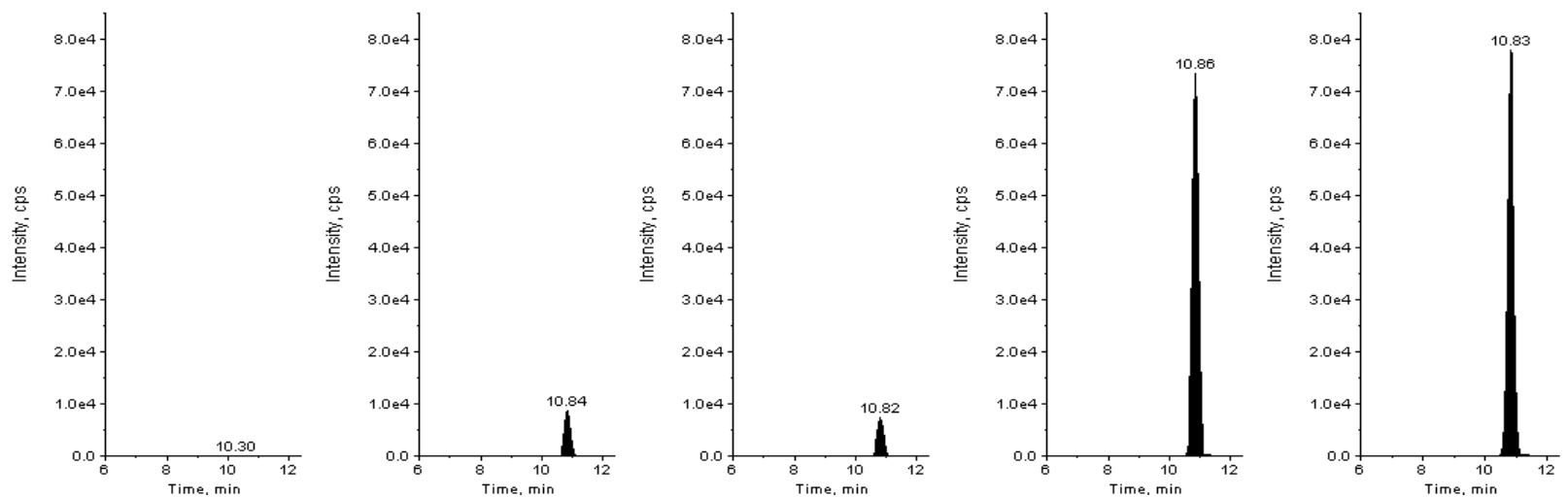


Figure: Second MRM of Ethametsulfuron-methyl: 411 amu → 168 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

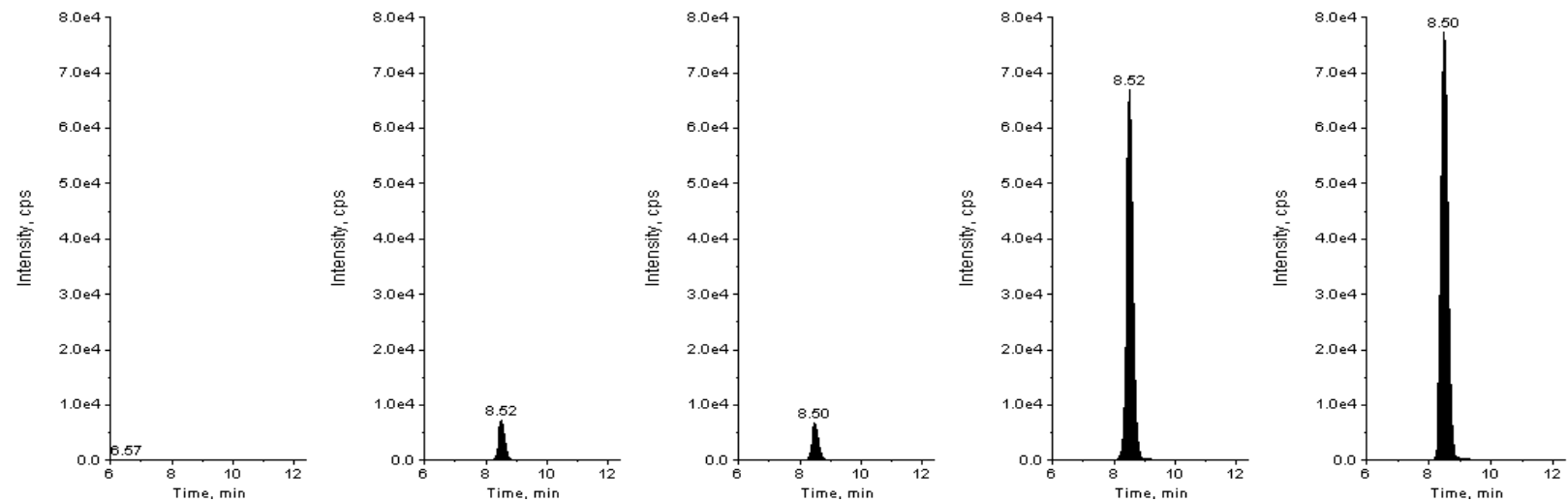


Figure: First MRM of Ethidimuron: 265 amu $\rightarrow$ 208 amu
(Control sample, standard 0.1 μ g/L, spiked sample 0.1 μ g/L, standard 1.0 μ g/L, spiked sample 1.0 μ g/L, from left to right)

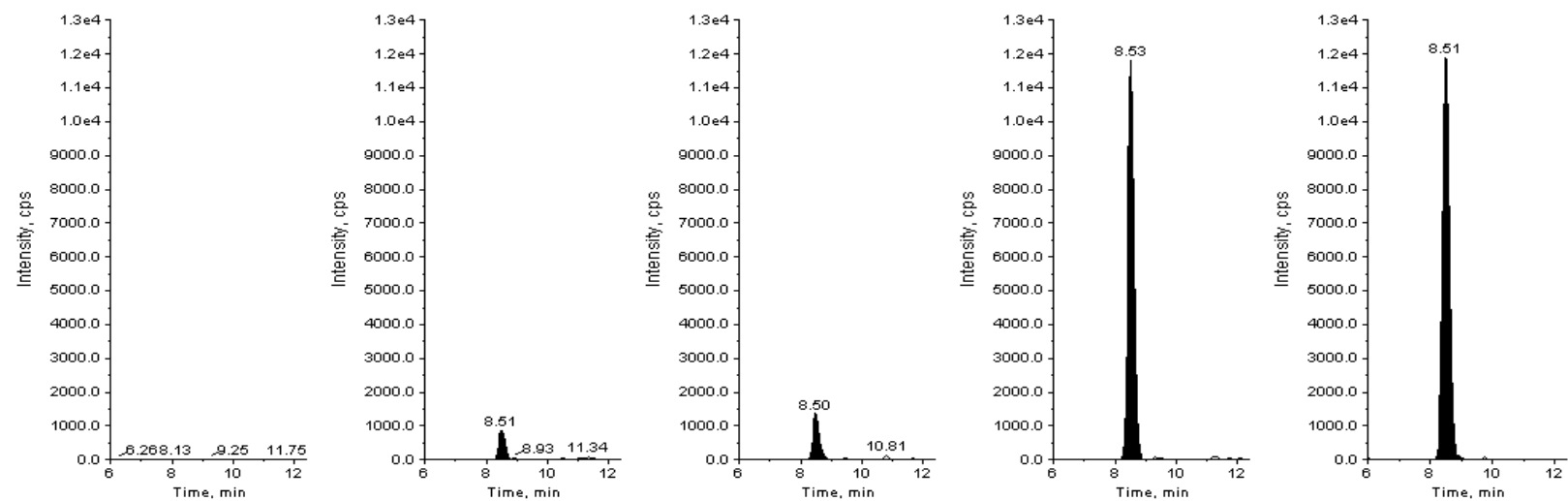


Figure: Second MRM of Ethidimuron: 265 amu $\rightarrow$ 114 amu
(Control sample, standard 0.1 μ g/L, spiked sample 0.1 μ g/L, standard 1.0 μ g/L, spiked sample 1.0 μ g/L, from left to right)

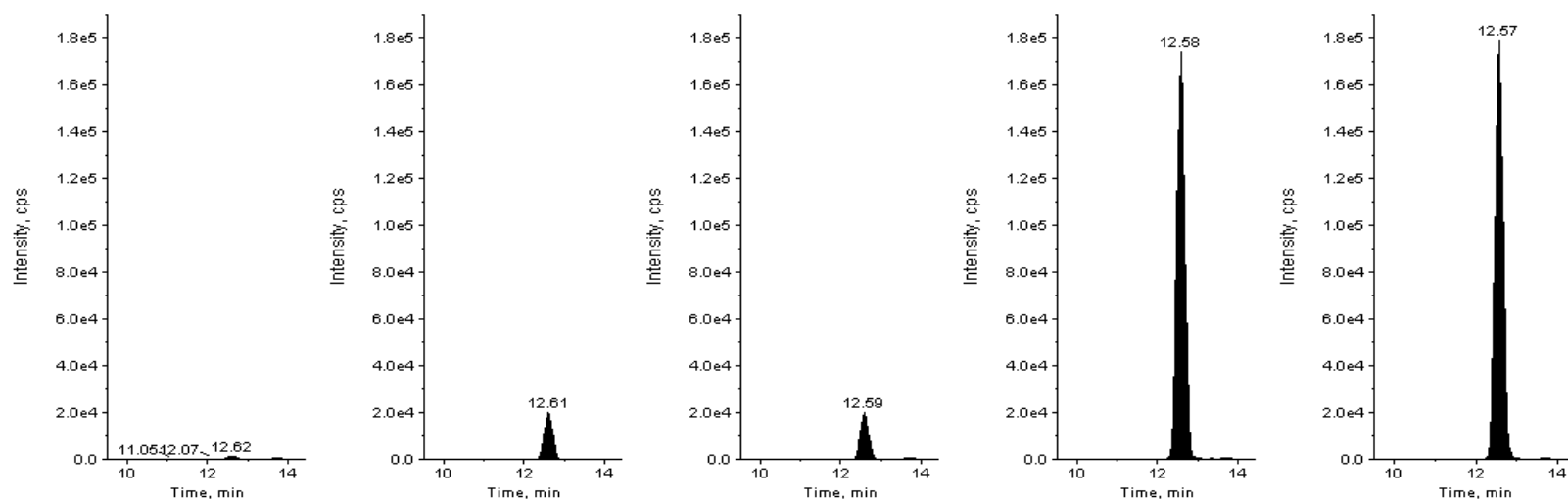


Figure: First MRM of Ethiofencarb: 226 amu → 107 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

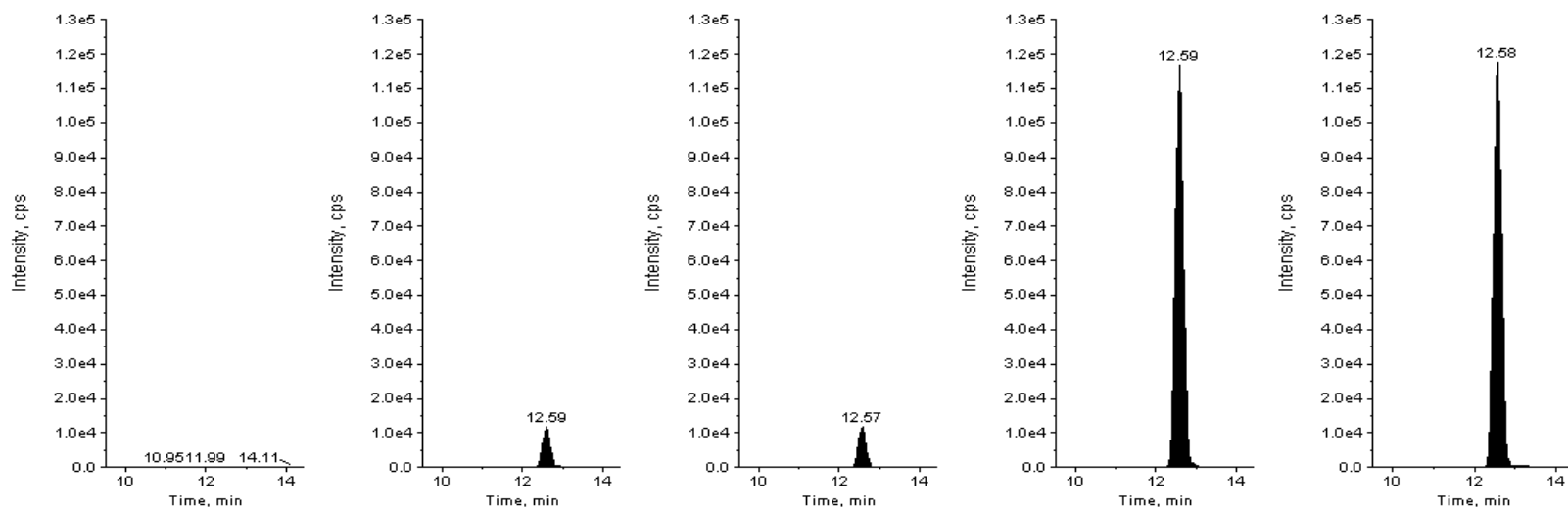


Figure: Second MRM of Ethiofencarb: 226 amu → 164 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

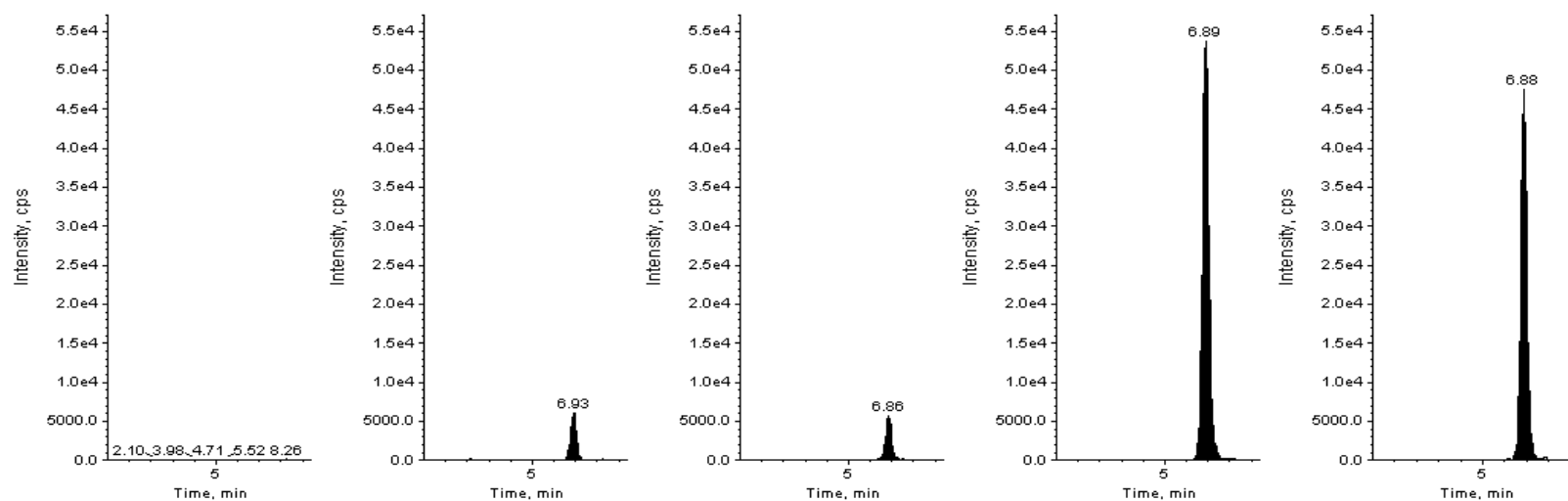


Figure: First MRM of Ethiofencarb-sulfon: 275 amu $\rightarrow$ 107 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

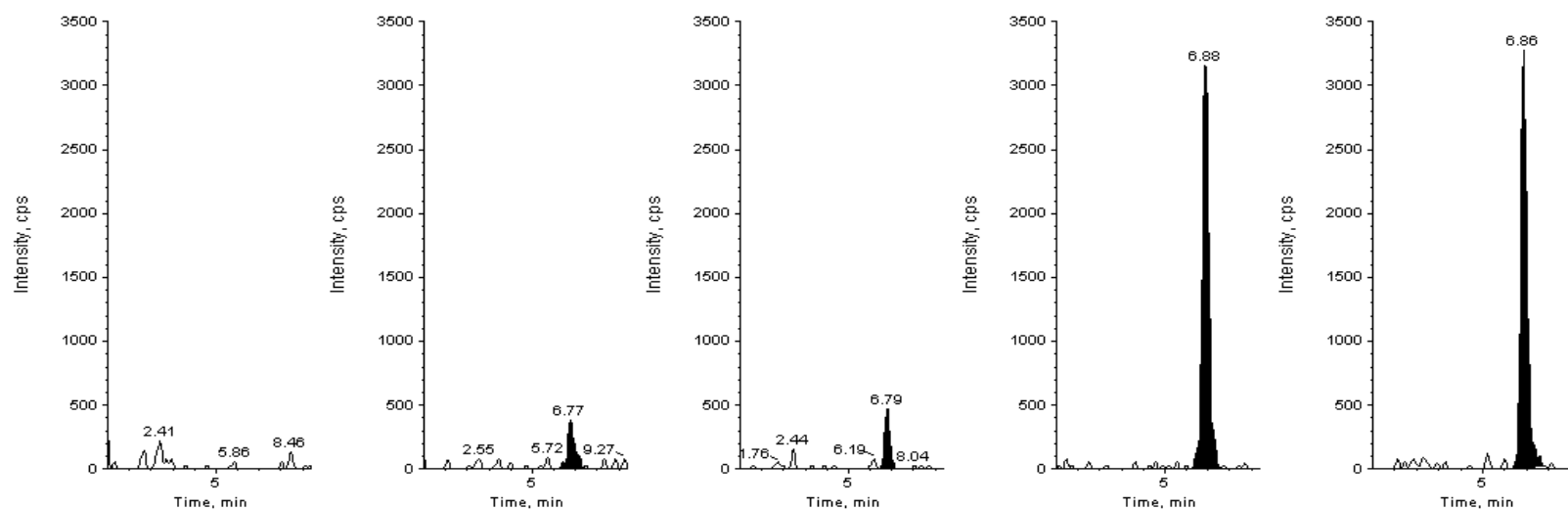


Figure: Second MRM of Ethiofencarb-sulfon: 275 amu $\rightarrow$ 201 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

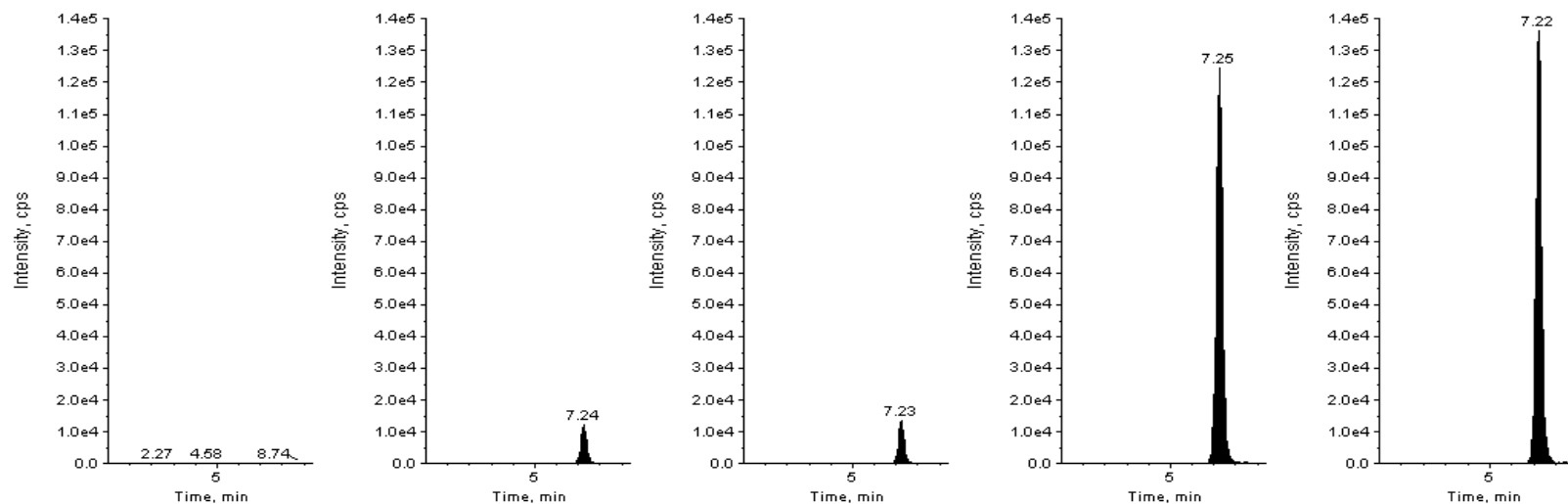


Figure: First MRM of Ethiofencarb-sulfoxid: 242 amu $\rightarrow$ 107 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

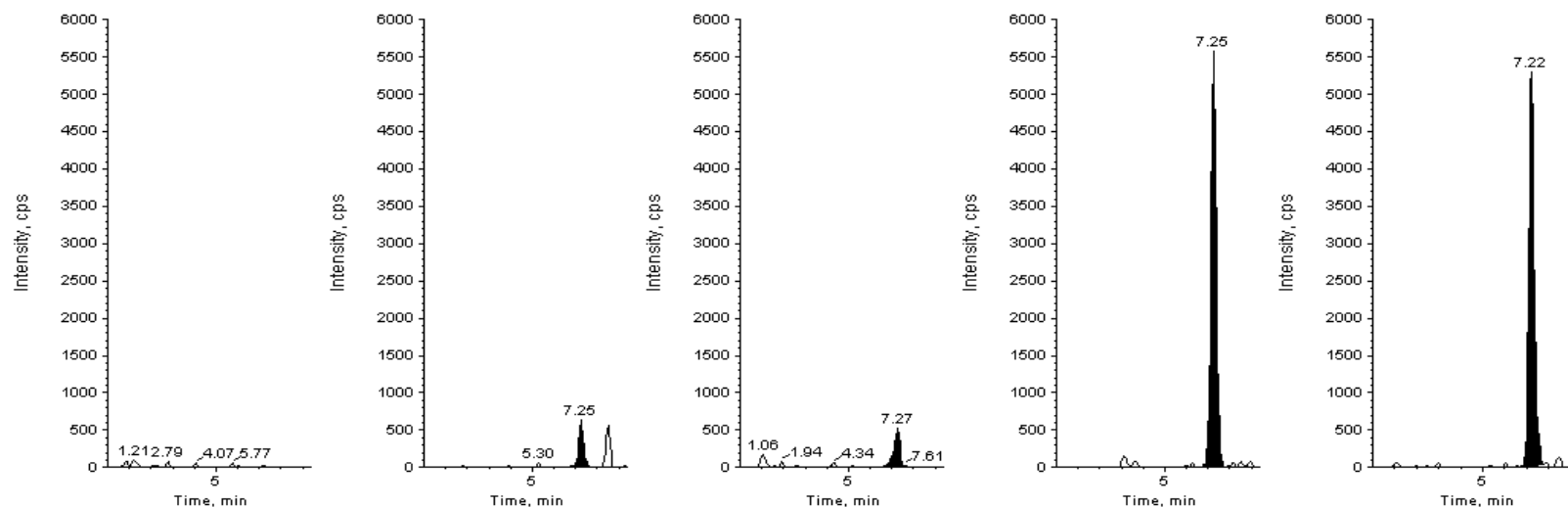


Figure: Second MRM of Ethiofencarb-sulfoxid: 242 amu $\rightarrow$ 185 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

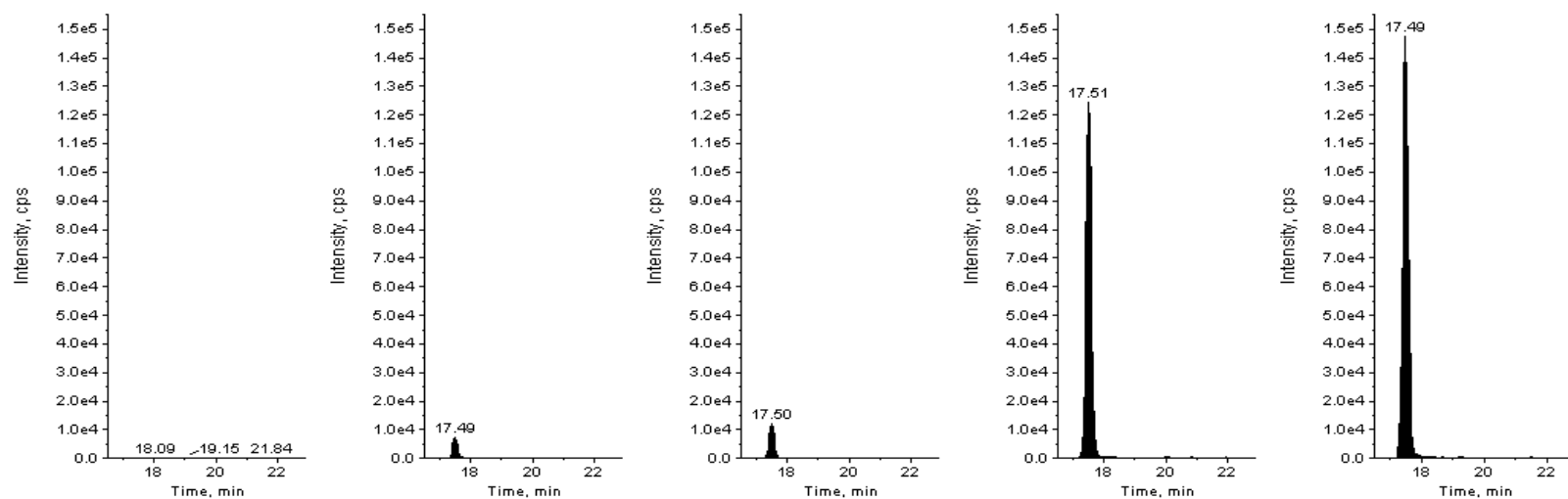


Figure: First MRM of Ethion: 385 amu $\rightarrow$ 199 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

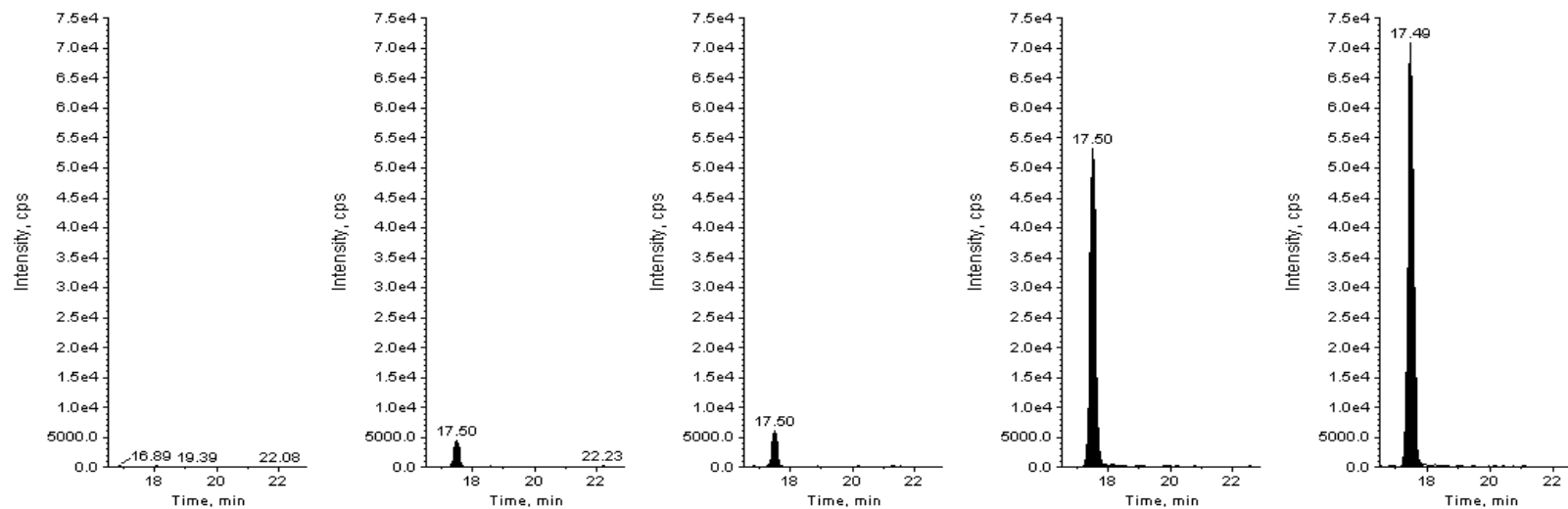


Figure: Second MRM of Ethion: 385 amu $\rightarrow$ 171 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

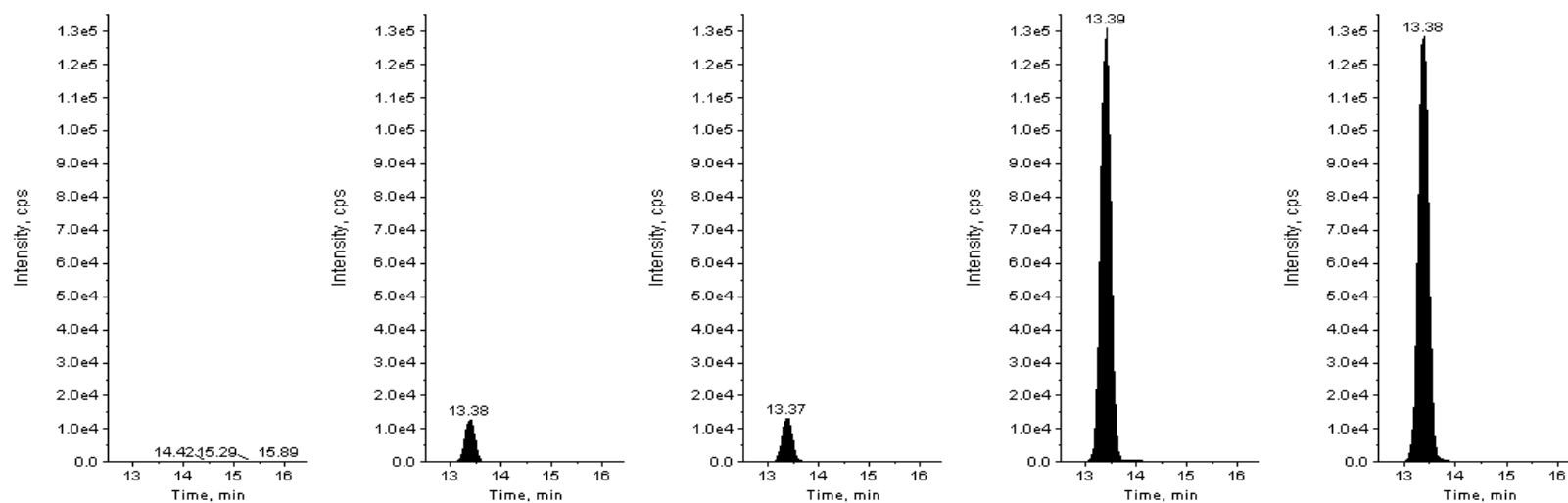


Figure: First MRM of Ethirimol: 210 amu → 98 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

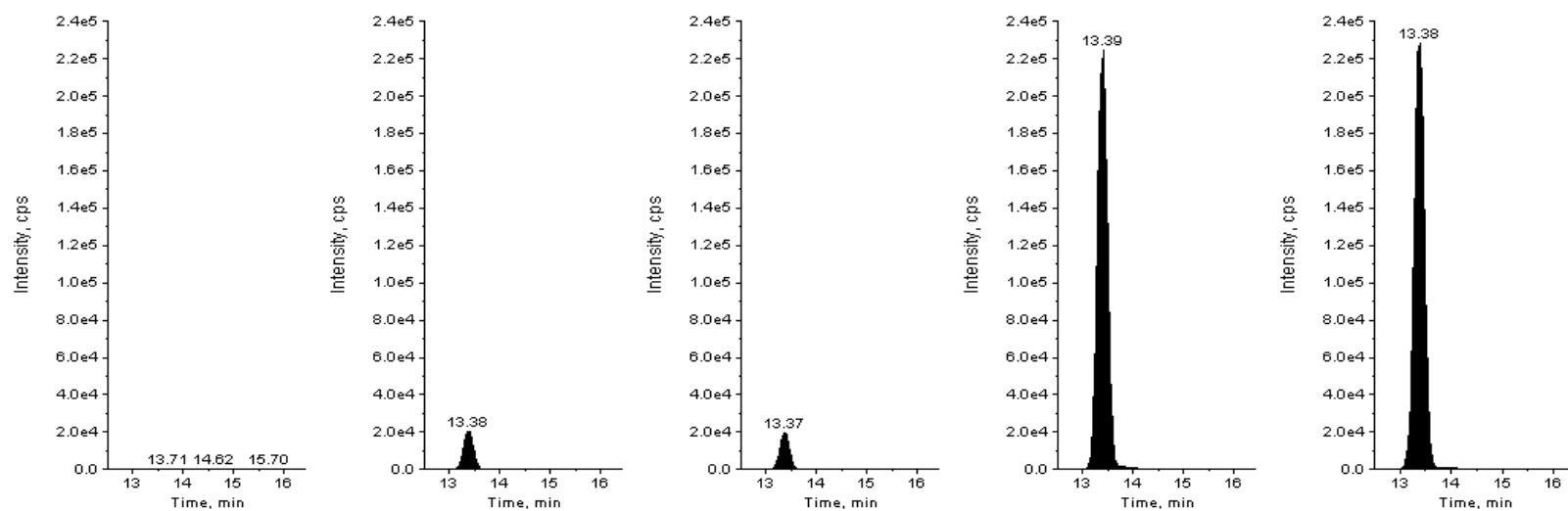


Figure: Second MRM of Ethirimol: 210 amu → 140 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

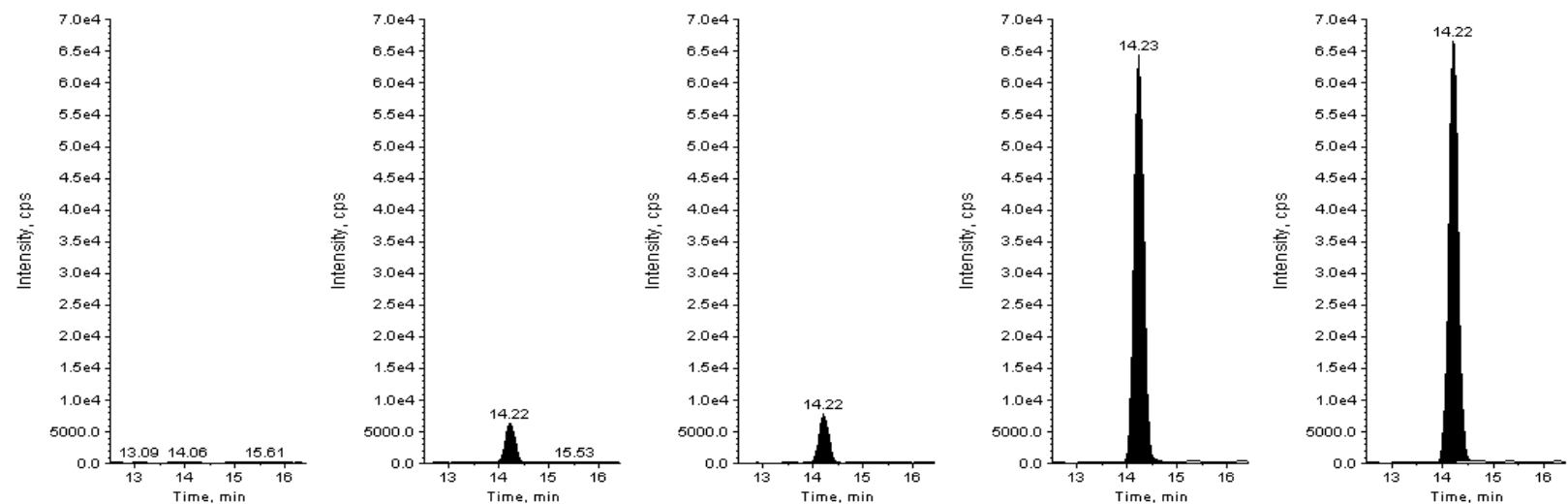


Figure: First MRM of Ethofumesate: 304 amu → 121 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

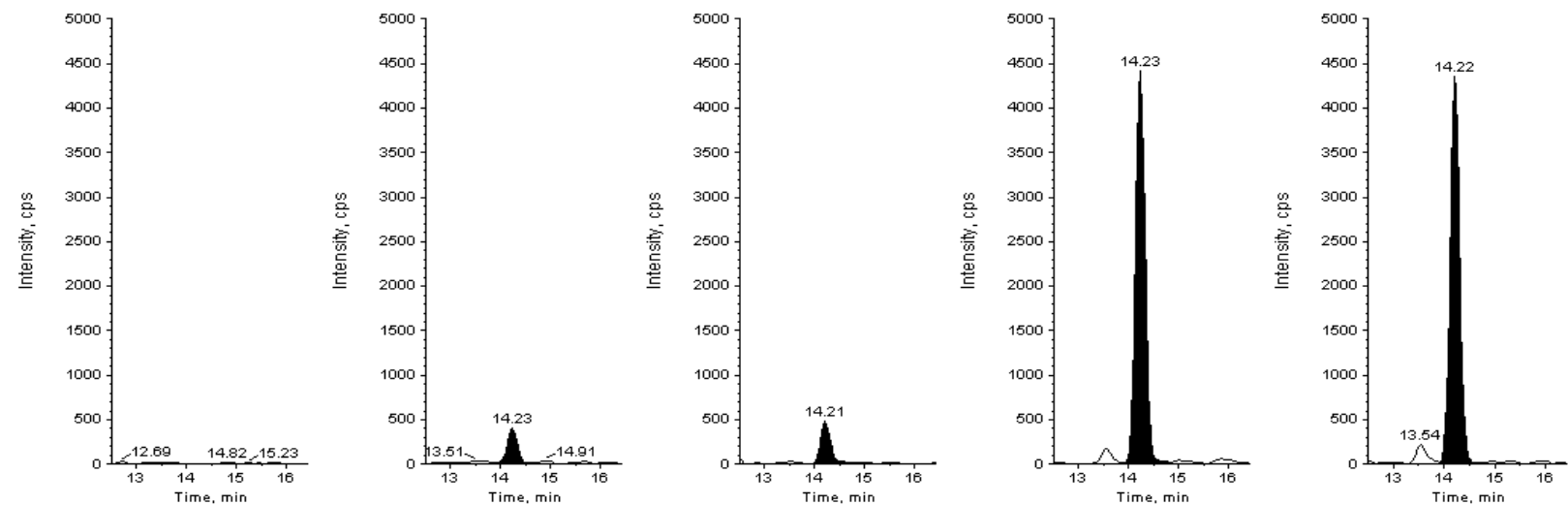


Figure: Second MRM of Ethofumesate: 304 amu → 161 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

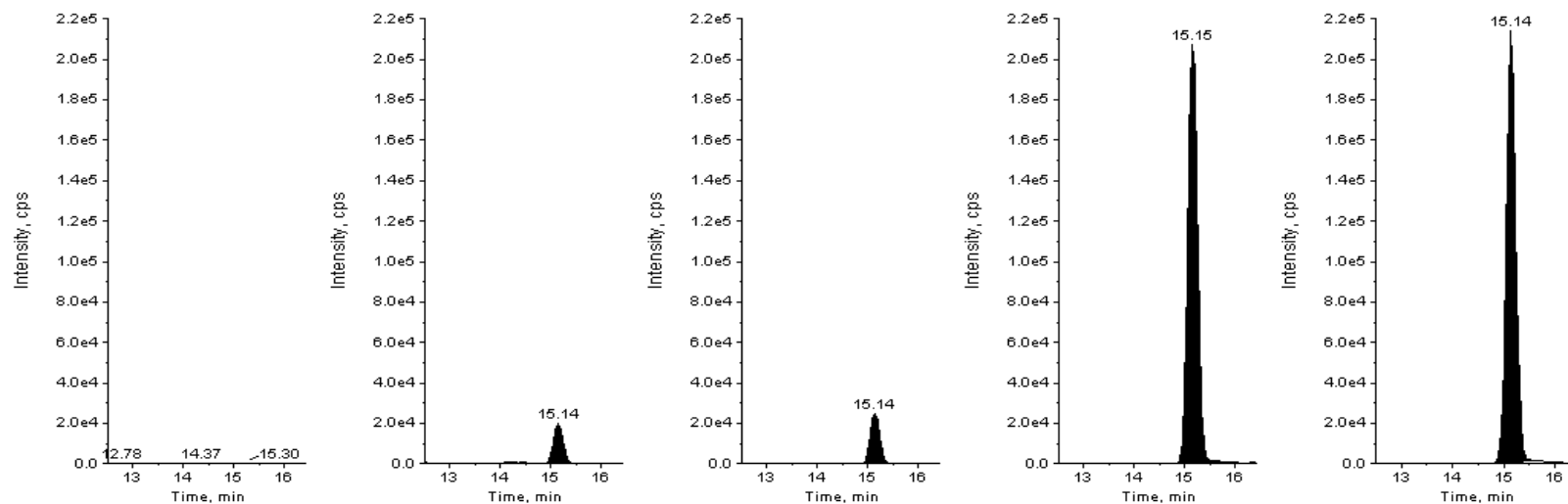


Figure: First MRM of Ethoprophos: 243 amu $\rightarrow$ 131 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

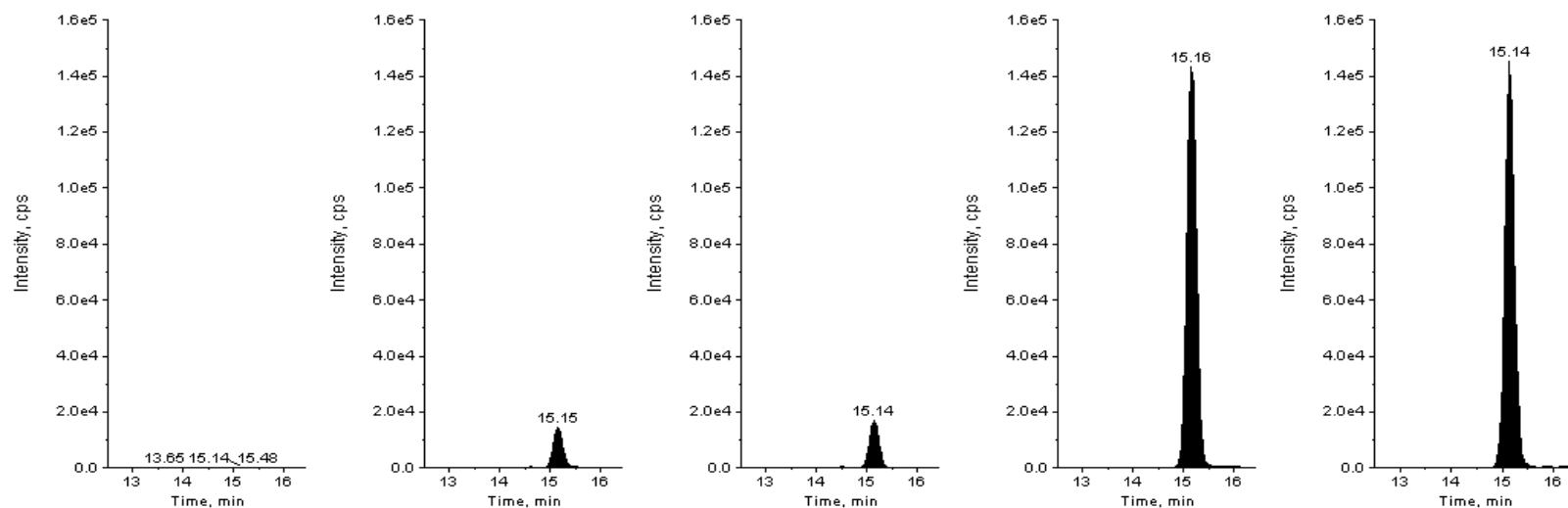


Figure: Second MRM of Ethoprophos: 243 amu $\rightarrow$ 97 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

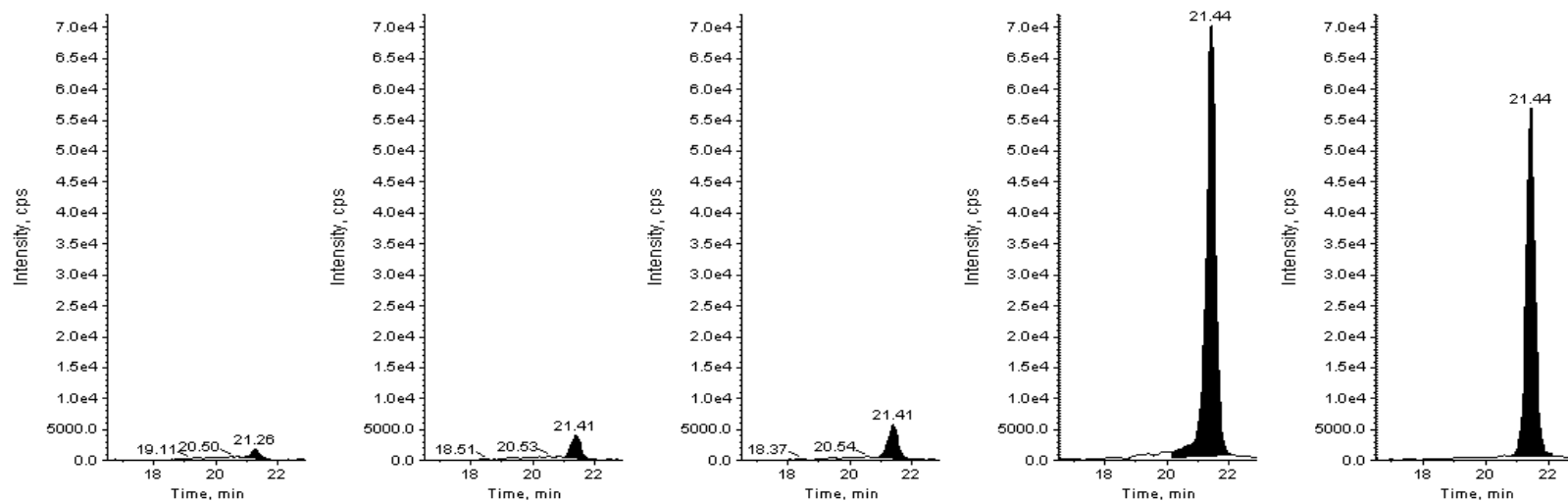


Figure: First MRM of Etofenprox: 394 amu → 177 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

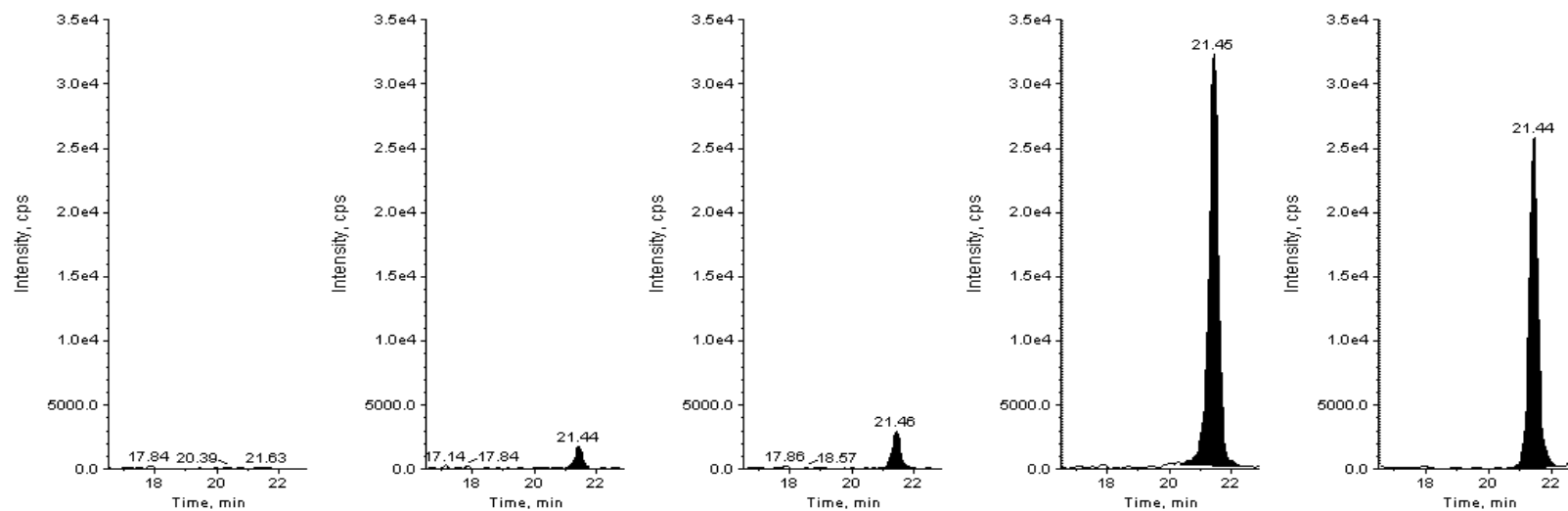


Figure: Second MRM of Etofenprox: 394 amu → 107 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

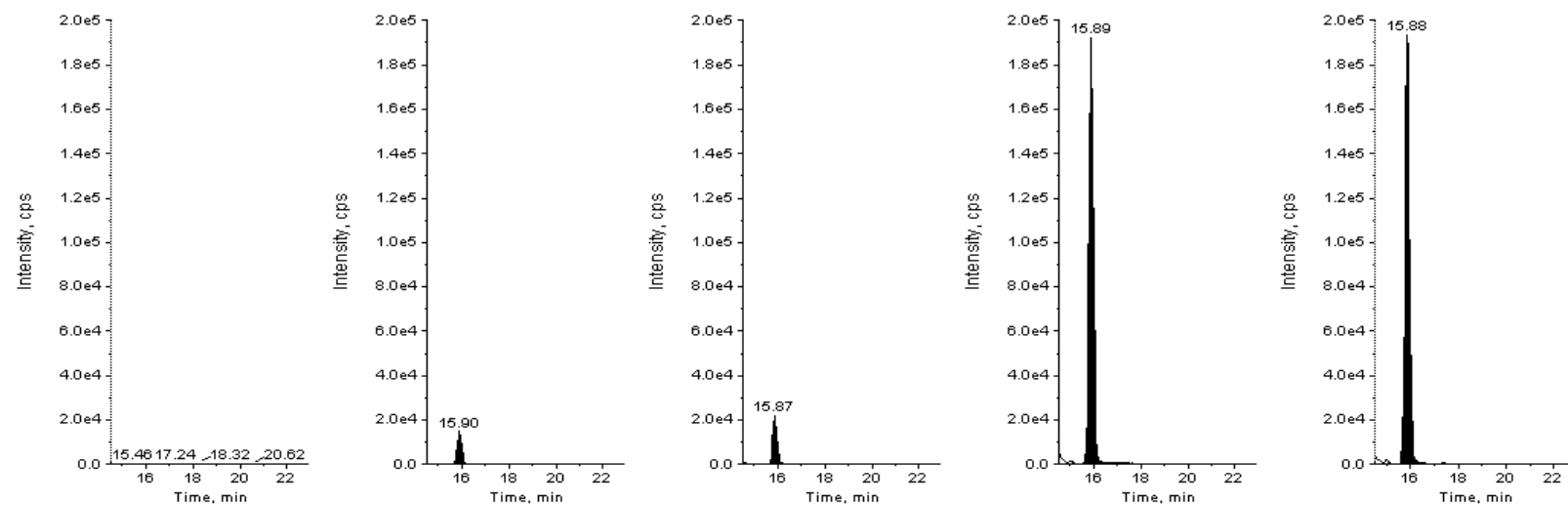


Figure: First MRM of Etrimefos: 293 amu $\rightarrow$ 125 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

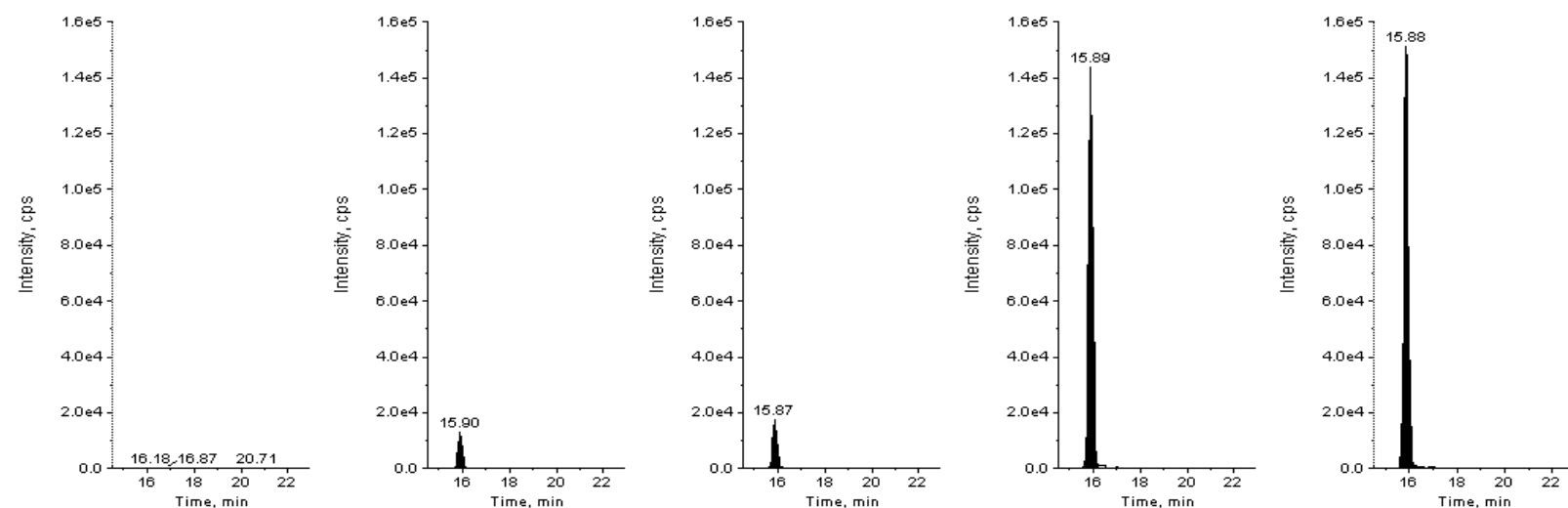


Figure: Second MRM of Etrimefos: 293 amu $\rightarrow$ 265 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

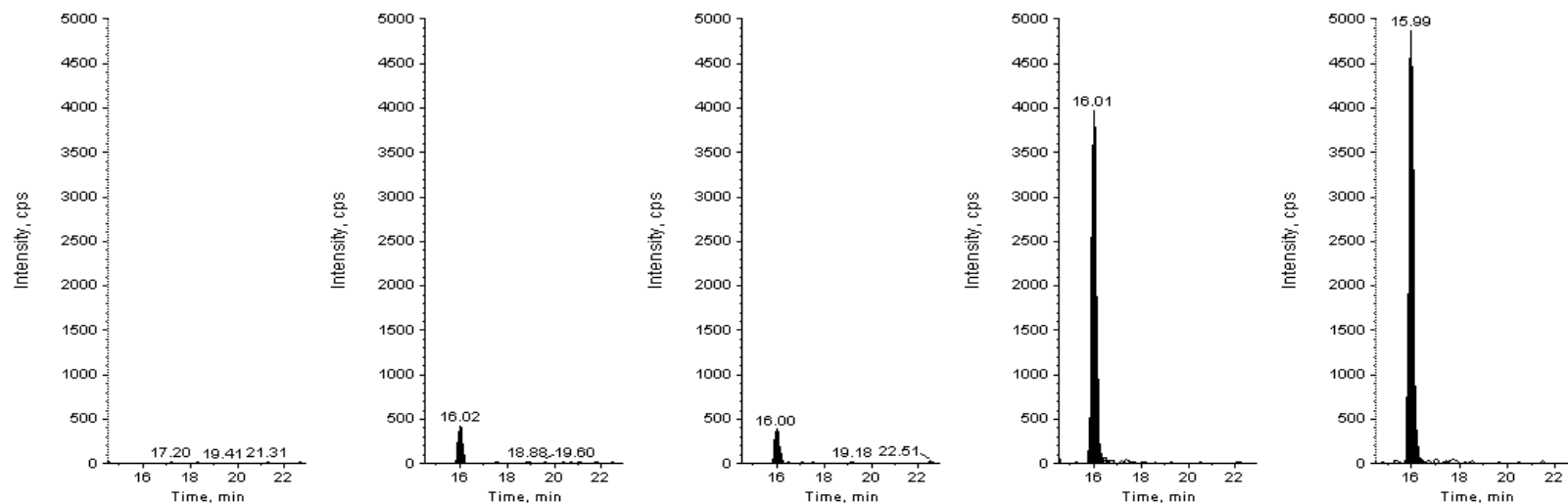


Figure: First MRM of Famoxadone: 392 amu → 238 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

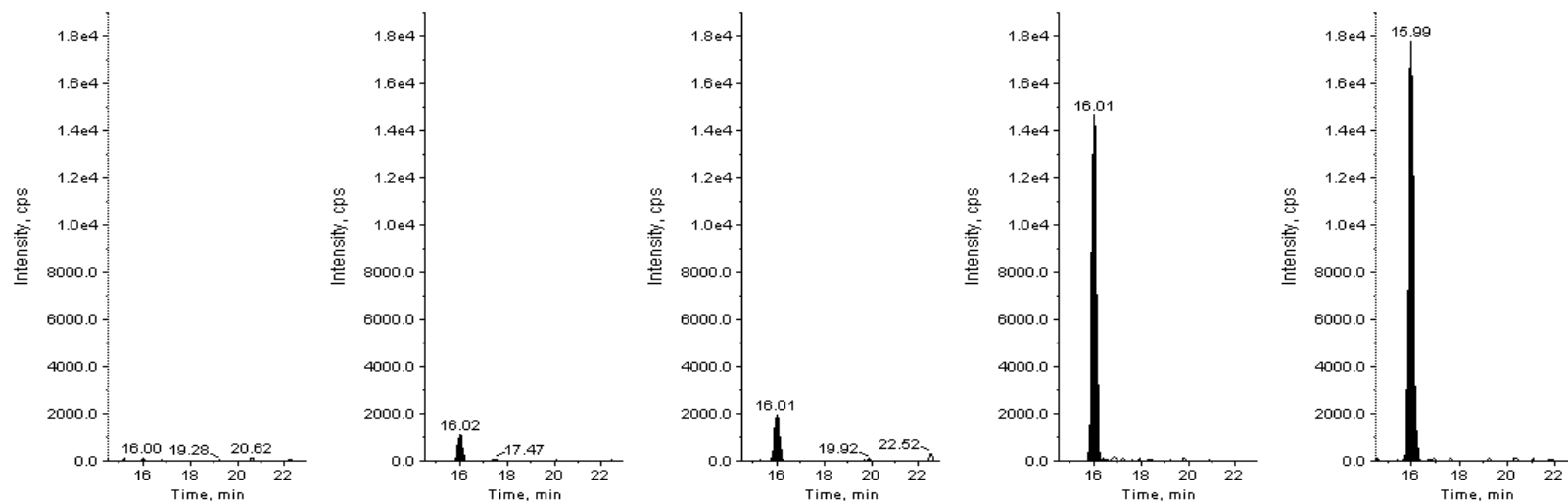


Figure: Second MRM of Famoxadone: 392 amu → 331 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

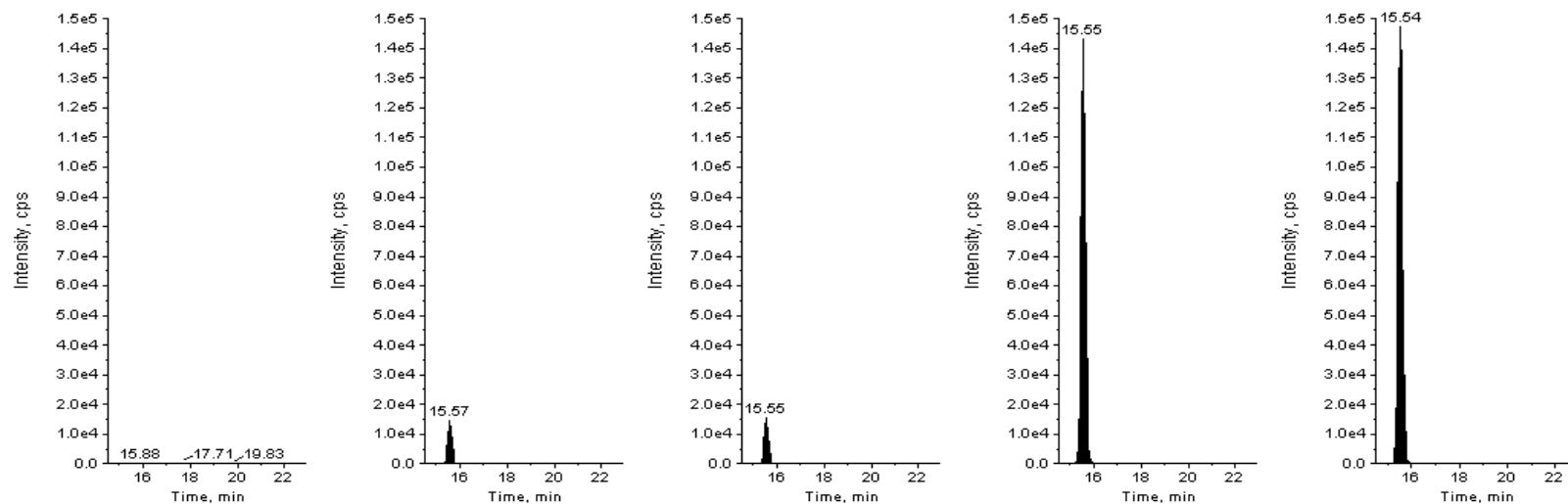


Figure: First MRM of Fenamiphos: 304 amu $\rightarrow$ 217 amu
(Control sample, standard 0.1 μ g/L, spiked sample 0.1 μ g/L, standard 1.0 μ g/L, spiked sample 1.0 μ g/L, from left to right)

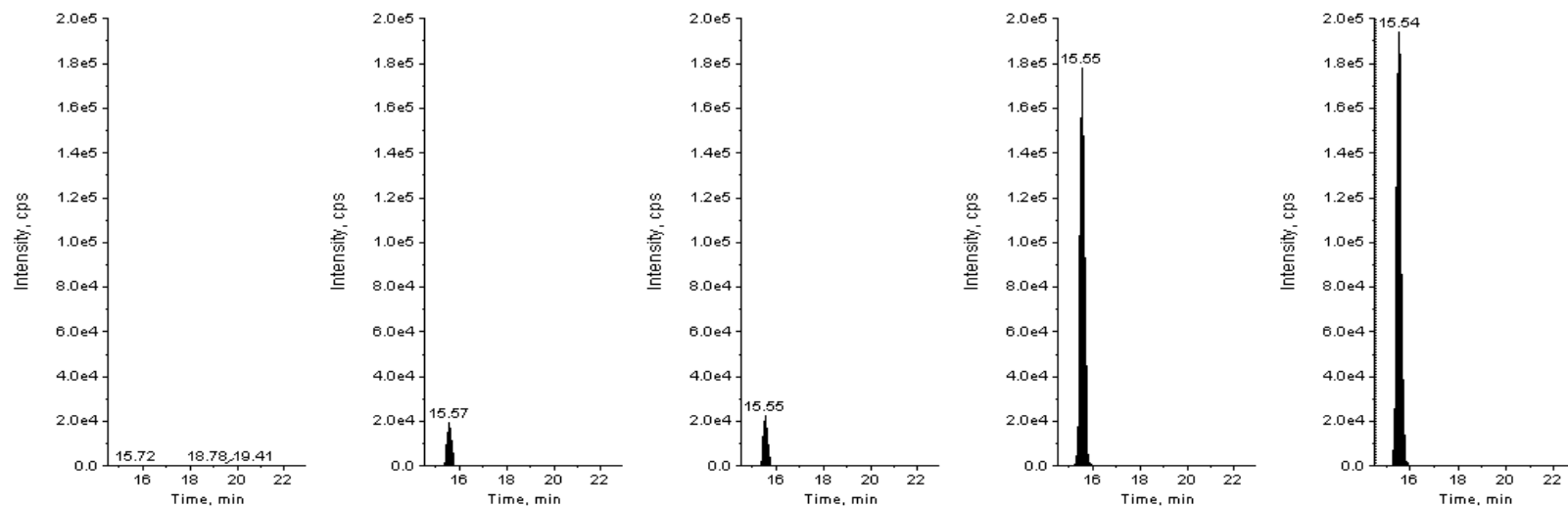


Figure: Second MRM of Fenamiphos: 304 amu $\rightarrow$ 202 amu
(Control sample, standard 0.1 μ g/L, spiked sample 0.1 μ g/L, standard 1.0 μ g/L, spiked sample 1.0 μ g/L, from left to right)

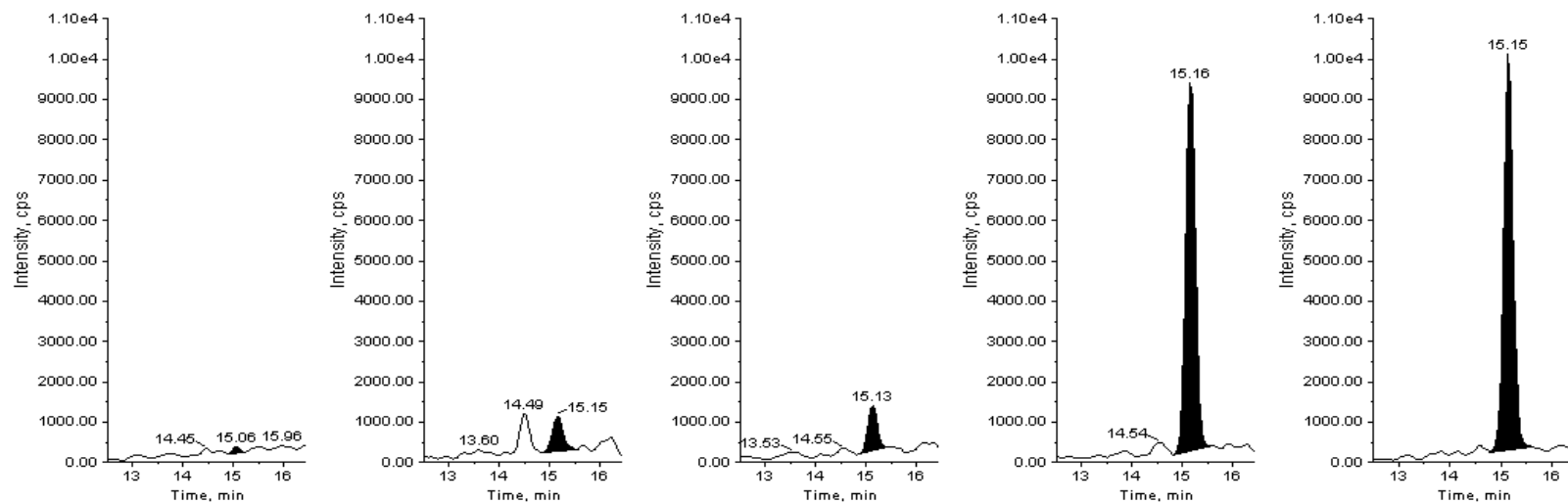


Figure: First MRM of Fenarimol: 331 amu → 81 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

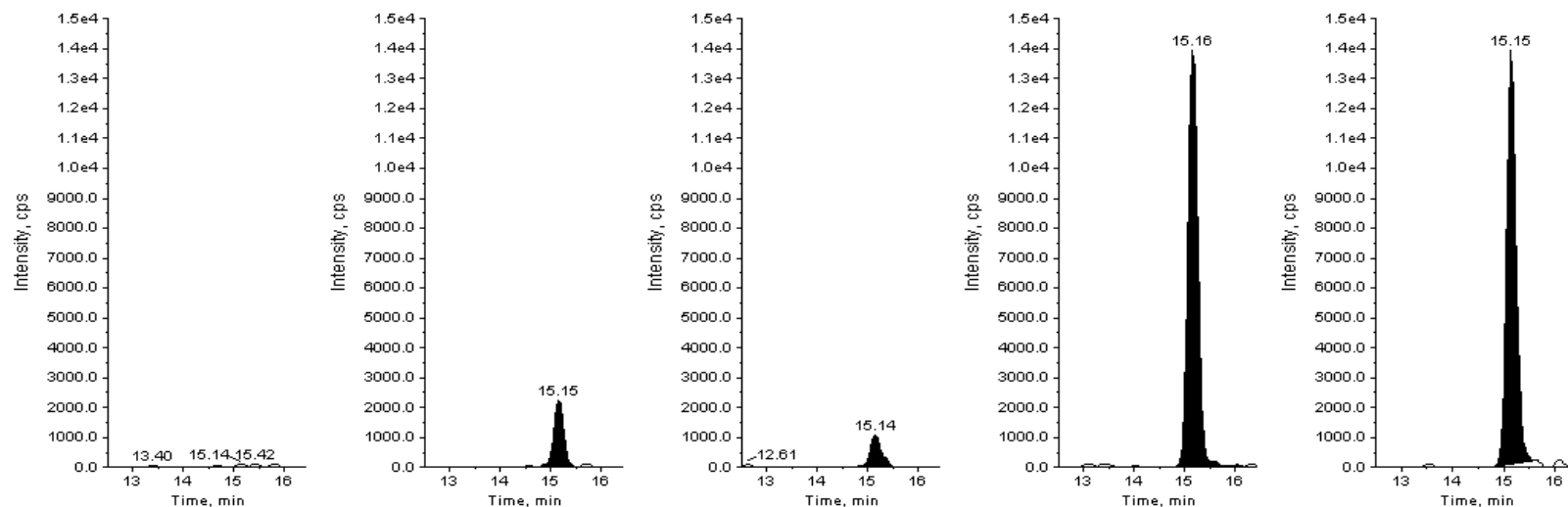


Figure: Second MRM of Fenarimol: 331 amu → 268 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

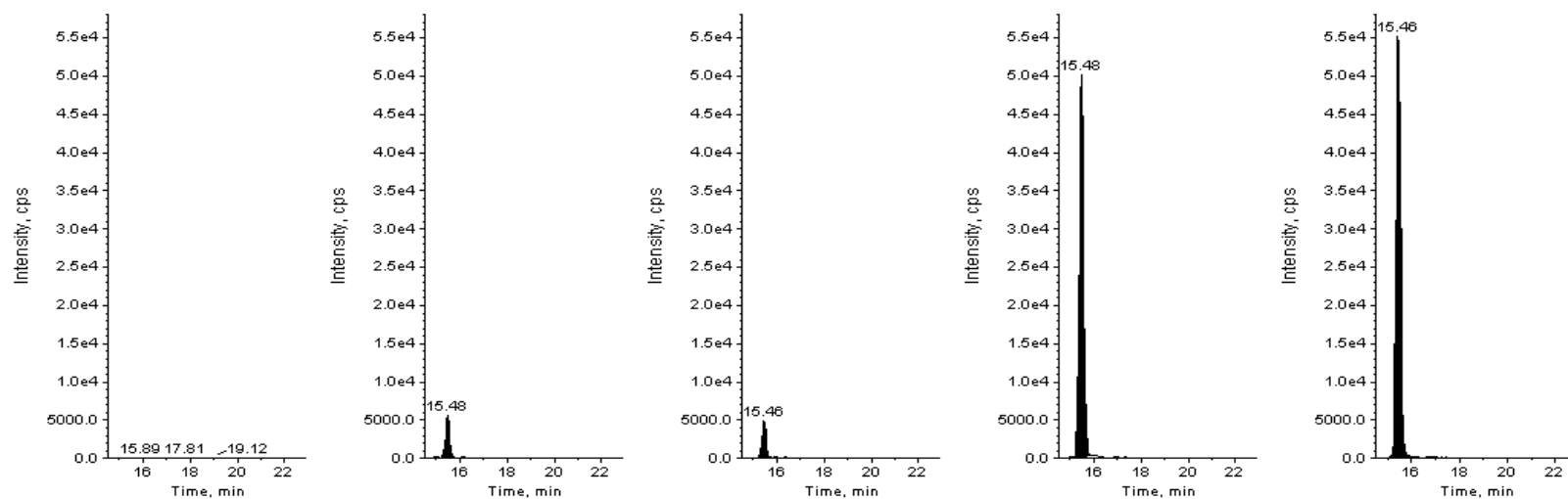


Figure: First MRM of Fenbuconazole: 337 amu → 125 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

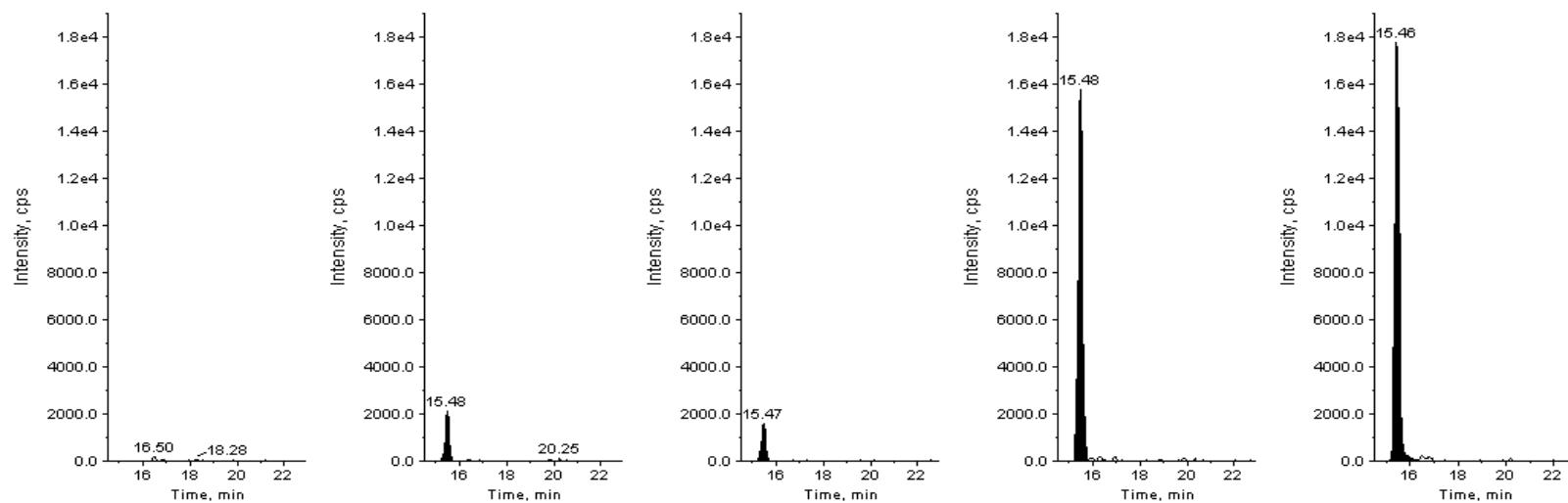


Figure: Second MRM of Fenbuconazole: 337 amu → 70 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

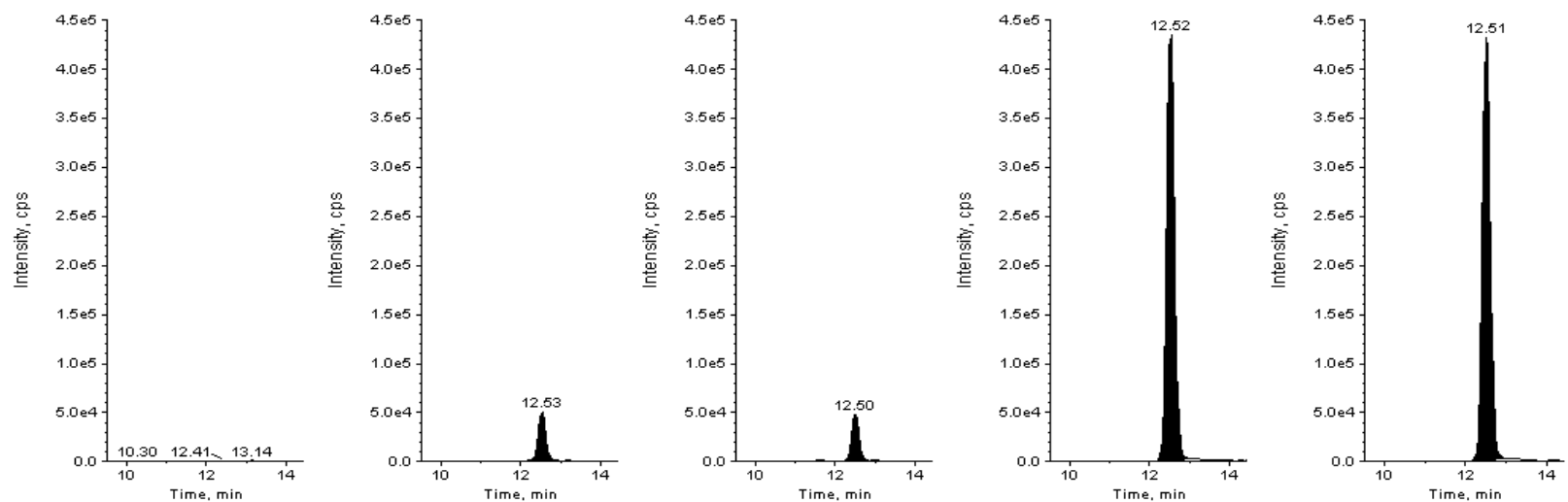


Figure: First MRM of Fenfuram: 202 amu $\rightarrow$ 109 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

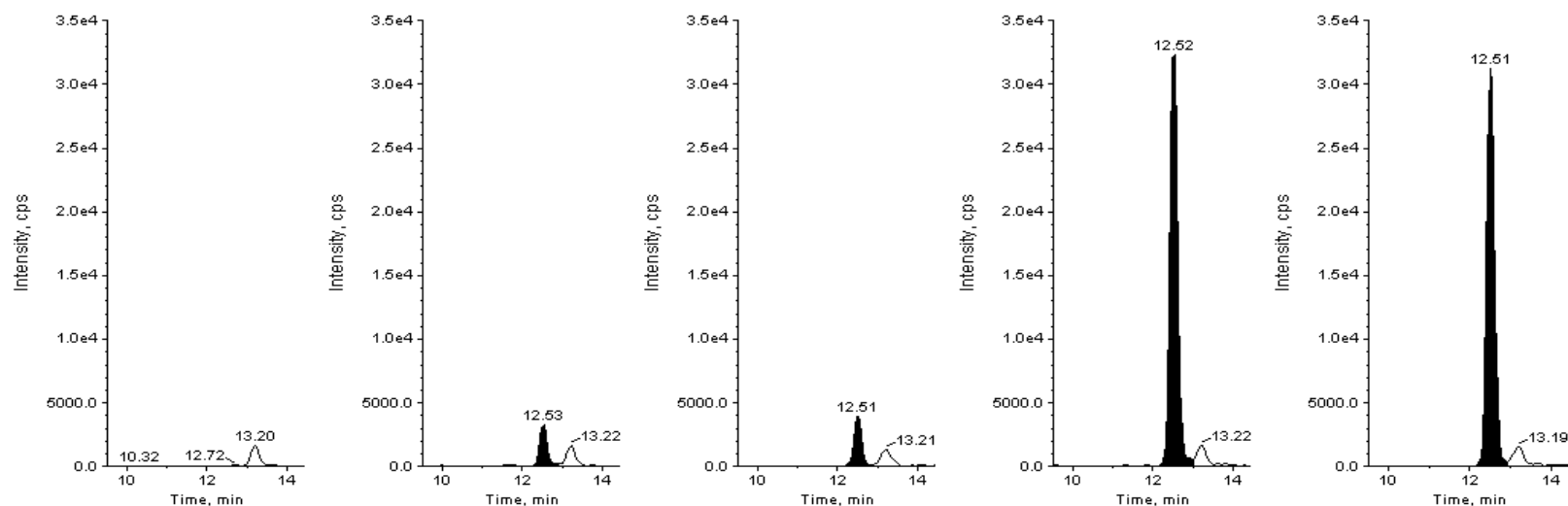


Figure: Second MRM of Fenfuram: 202 amu $\rightarrow$ 120 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

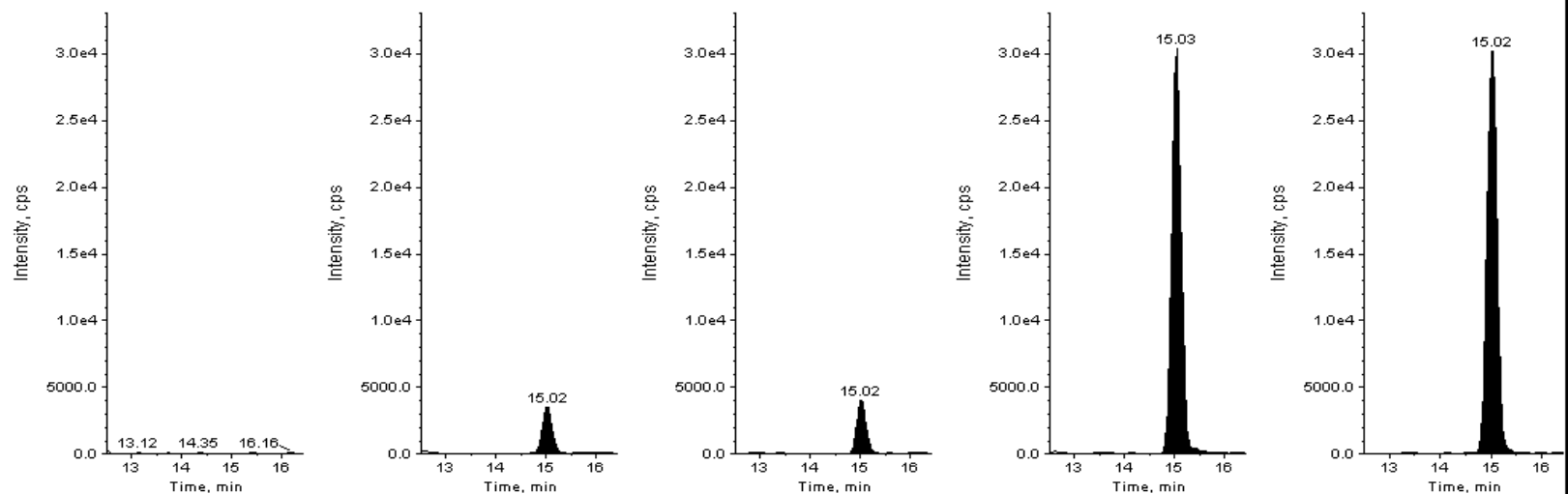


Figure: First MRM of Fenhexamid: 302 amu → 97 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

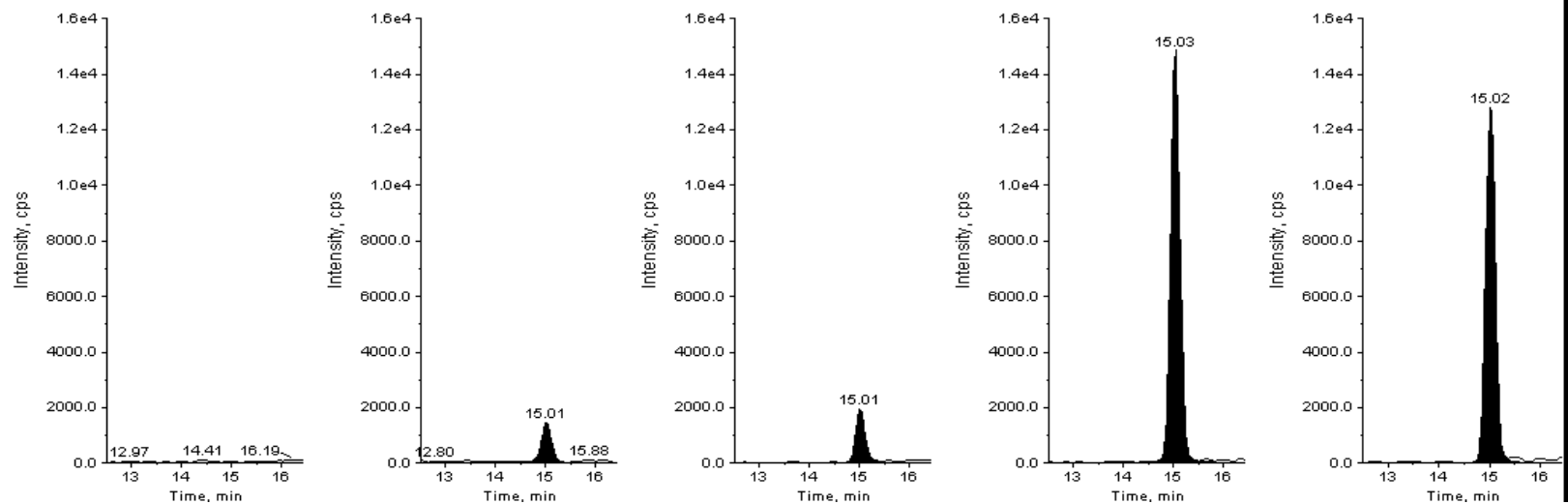


Figure: Second MRM of Fenhexamid: 302 amu → 55 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

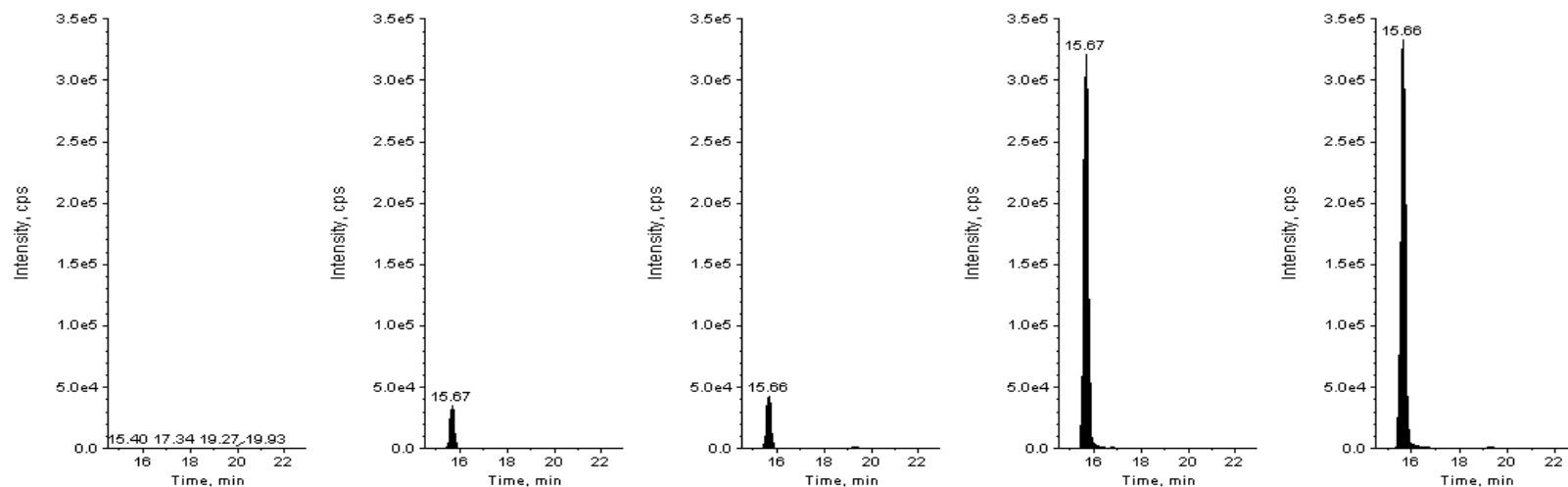


Figure: First MRM of Fenothiocarb: 254 amu → 72 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

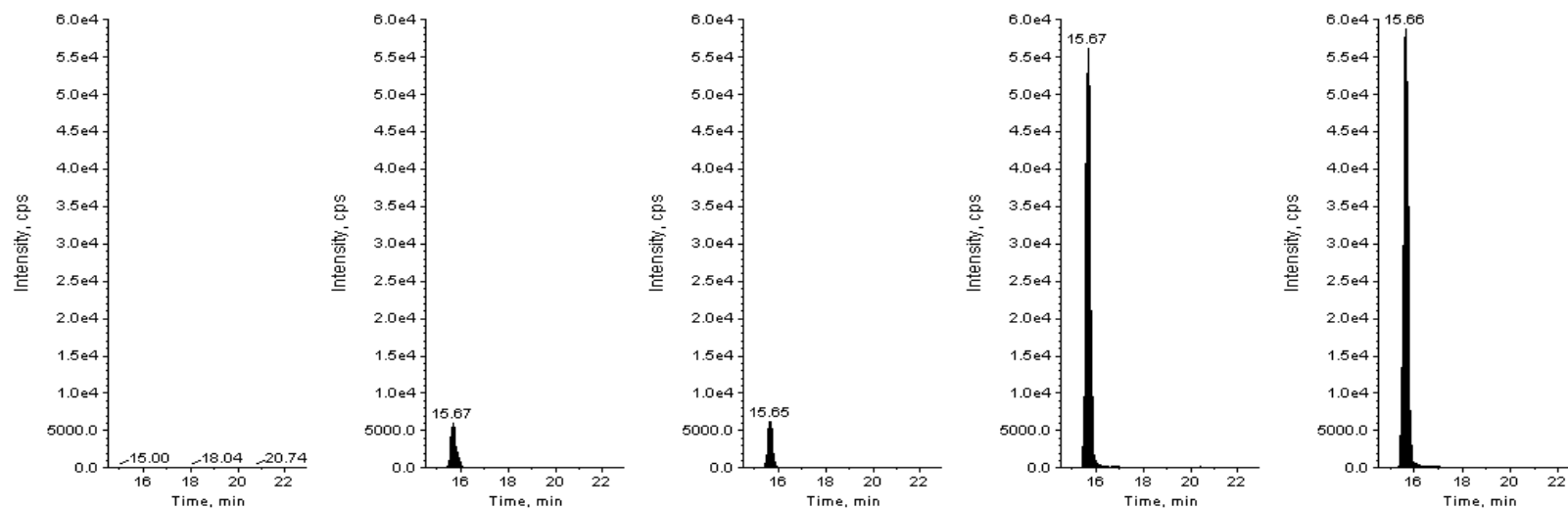


Figure: Second MRM of Fenothiocarb: 254 amu → 160 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

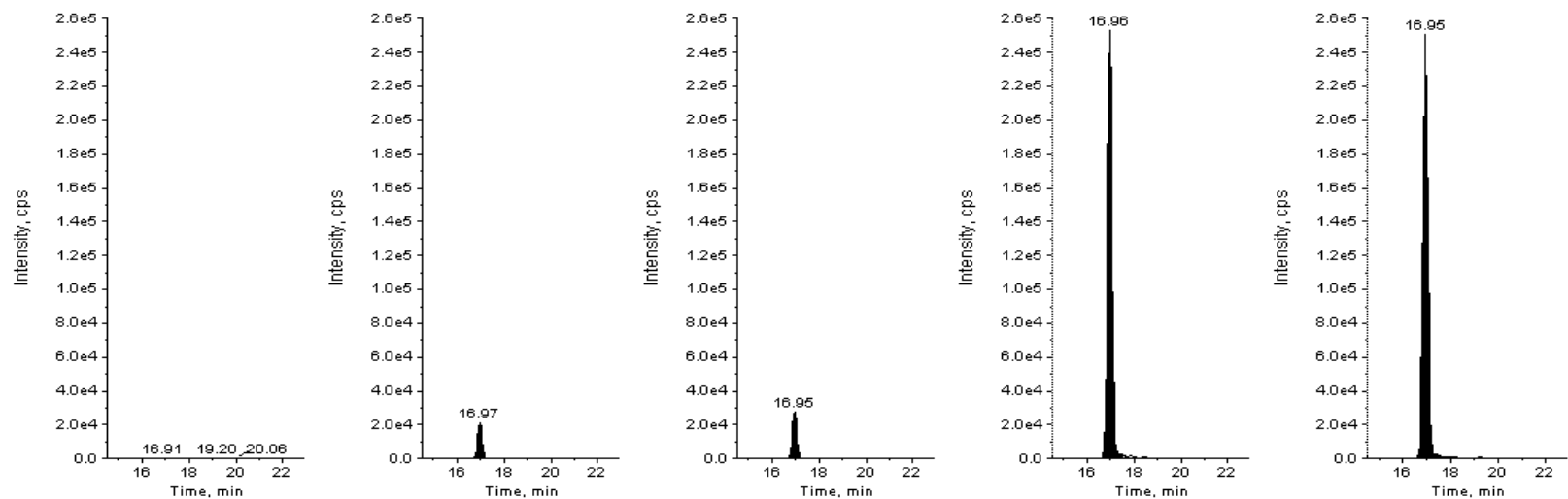


Figure: First MRM of Fenoxaprop-P-ethyl: 362 amu → 288 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

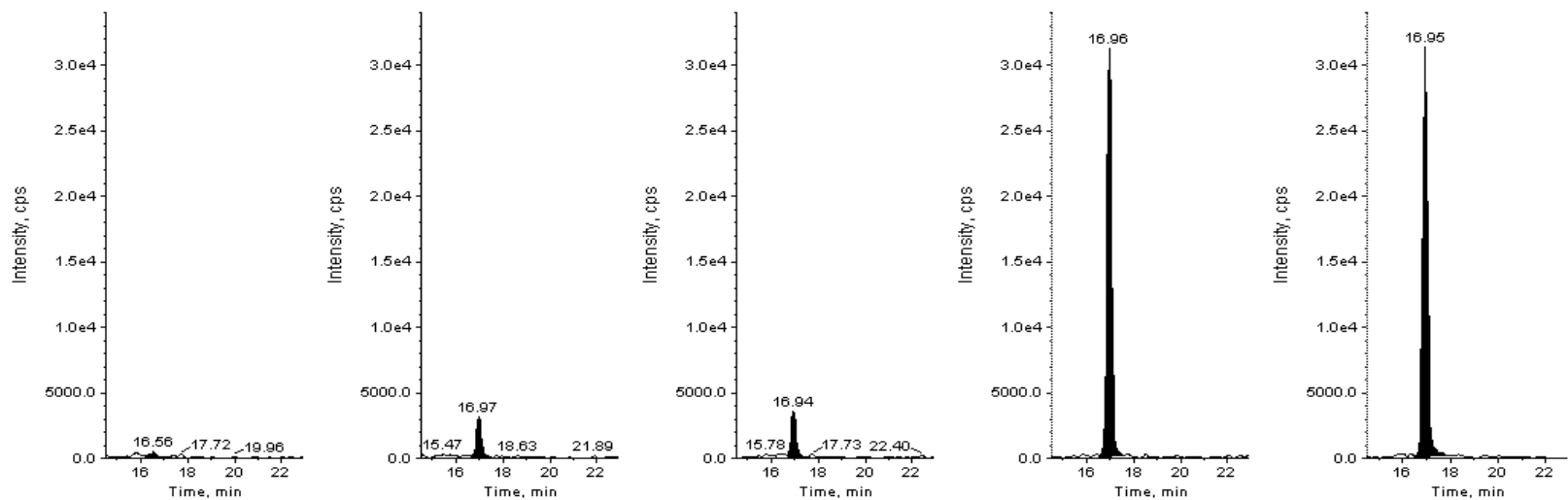


Figure: Second MRM of Fenoxaprop-P-ethyl: 362 amu → 121 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

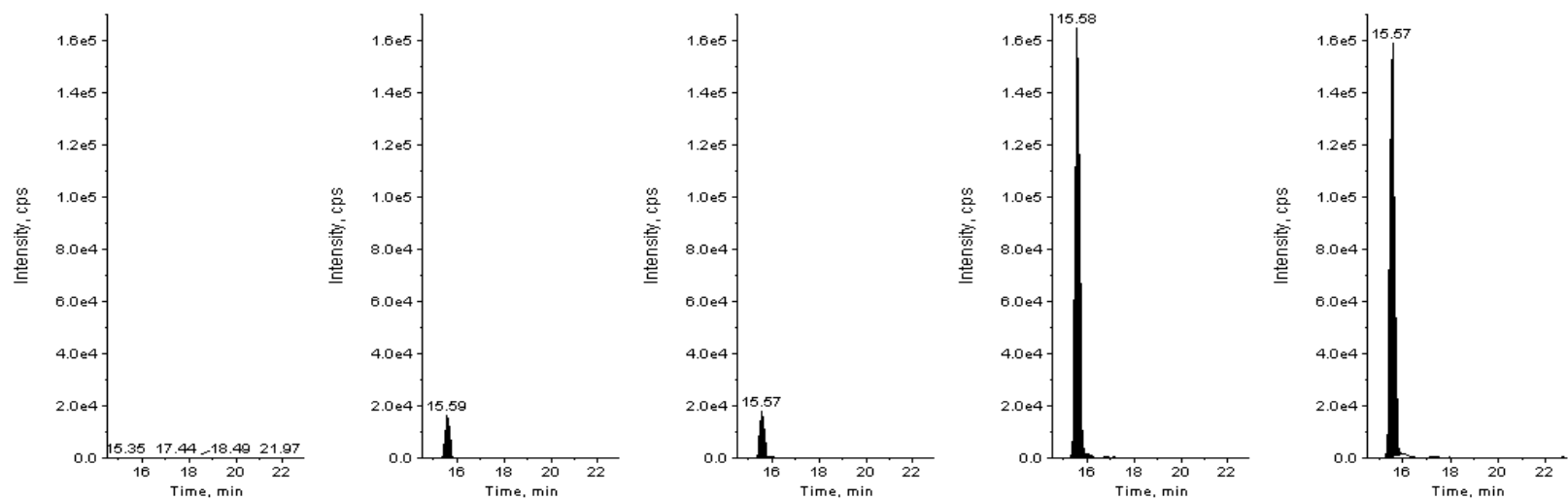


Figure: First MRM of Fenoxycarb: 302 amu $\rightarrow$ 88 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

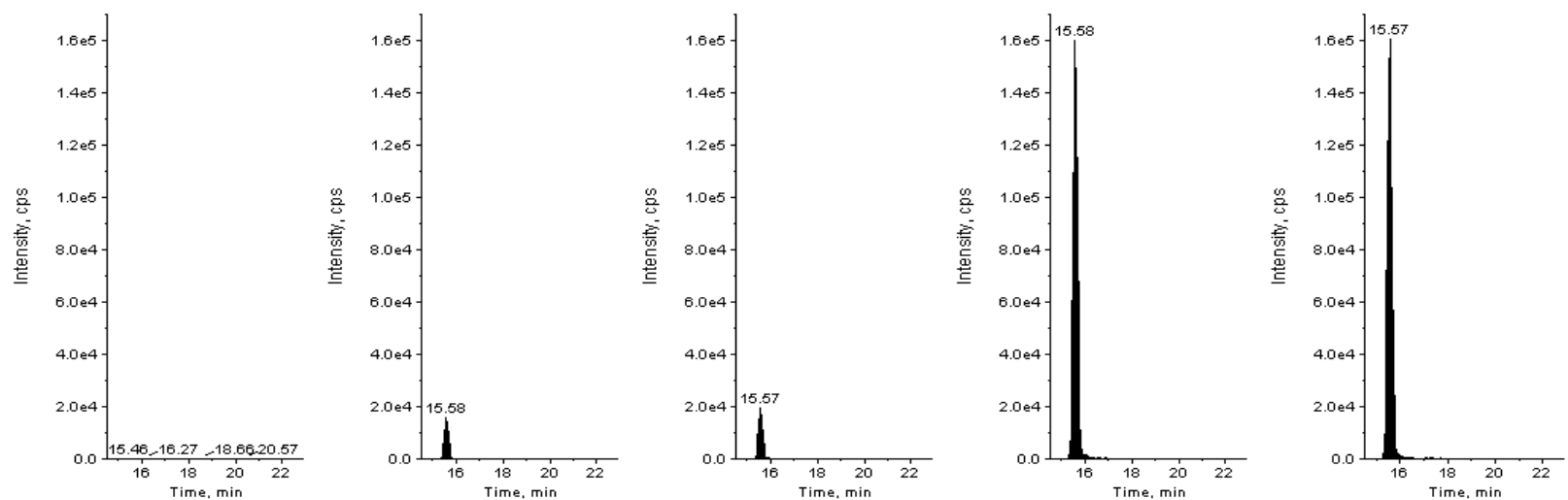


Figure: Second MRM of Fenoxycarb: 302 amu $\rightarrow$ 116 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

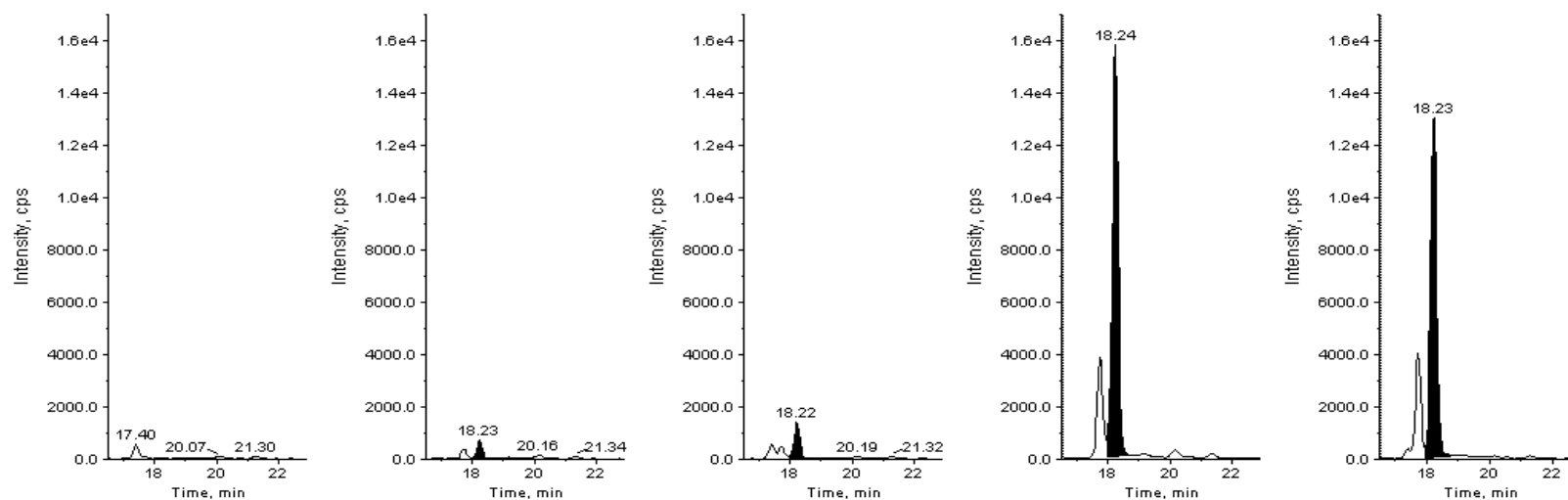


Figure: First MRM of Fenpropathrin: 350 amu → 125 amu
(Control sample, standard 0.1µg/L, spiked sample 0.1µg/L, standard 1.0µg/L, spiked sample 1.0µg/L, from left to right)

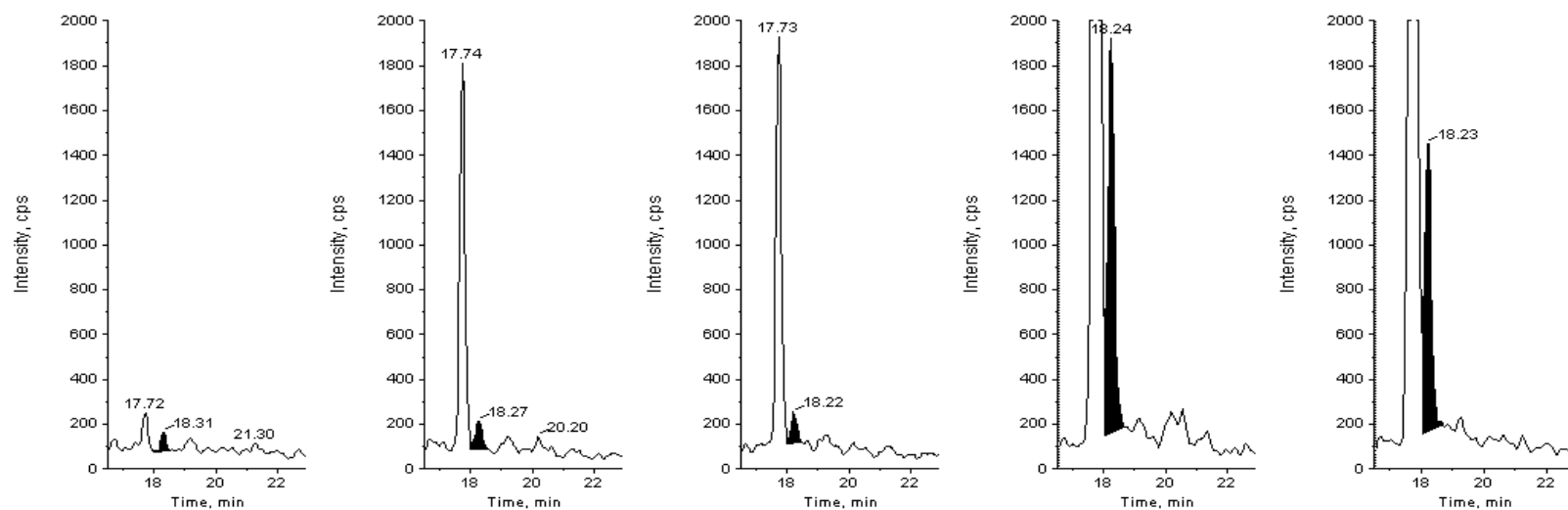


Figure: Second MRM of Fenpropathrin: 350 amu → 97 amu
(Control sample, standard 0.1µg/L, spiked sample 0.1µg/L, standard 1.0µg/L, spiked sample 1.0µg/L, from left to right)

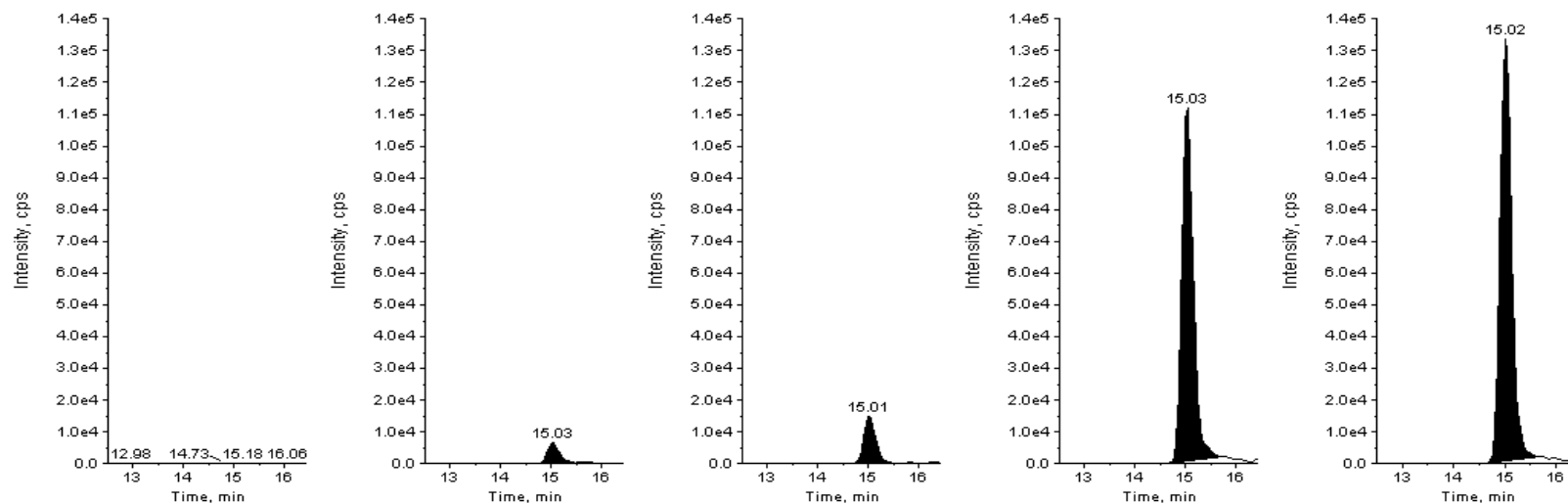


Figure: First MRM of Fenpropidin: 274 amu $\rightarrow$ 147 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

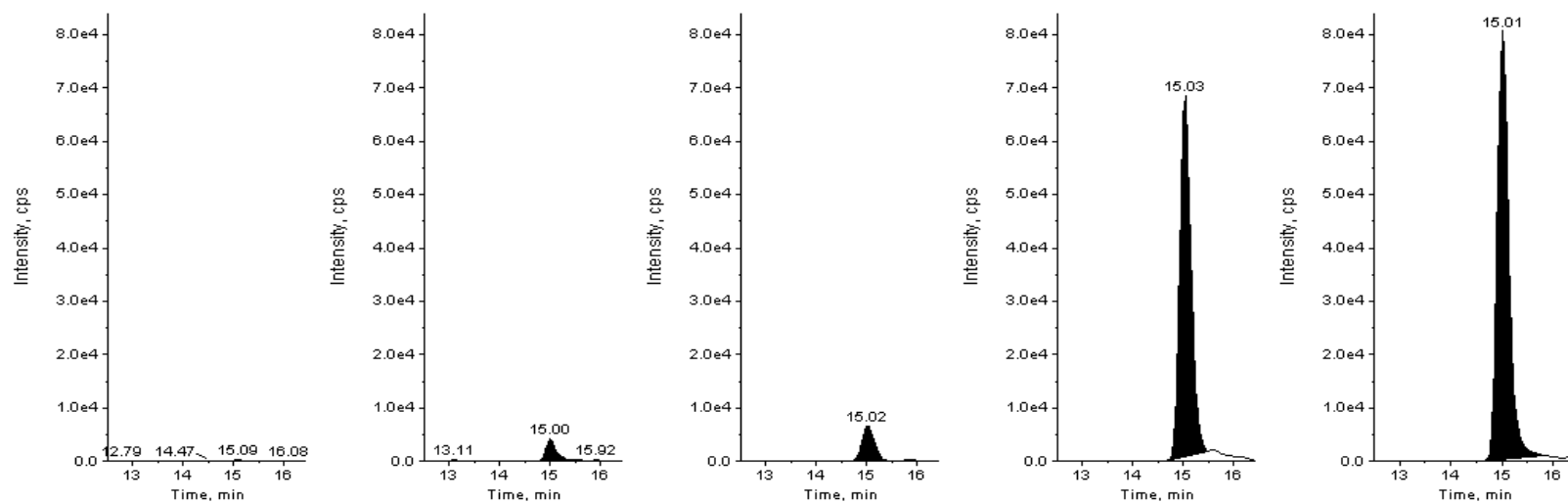


Figure: Second MRM of Fenpropidin: 274 amu $\rightarrow$ 117 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

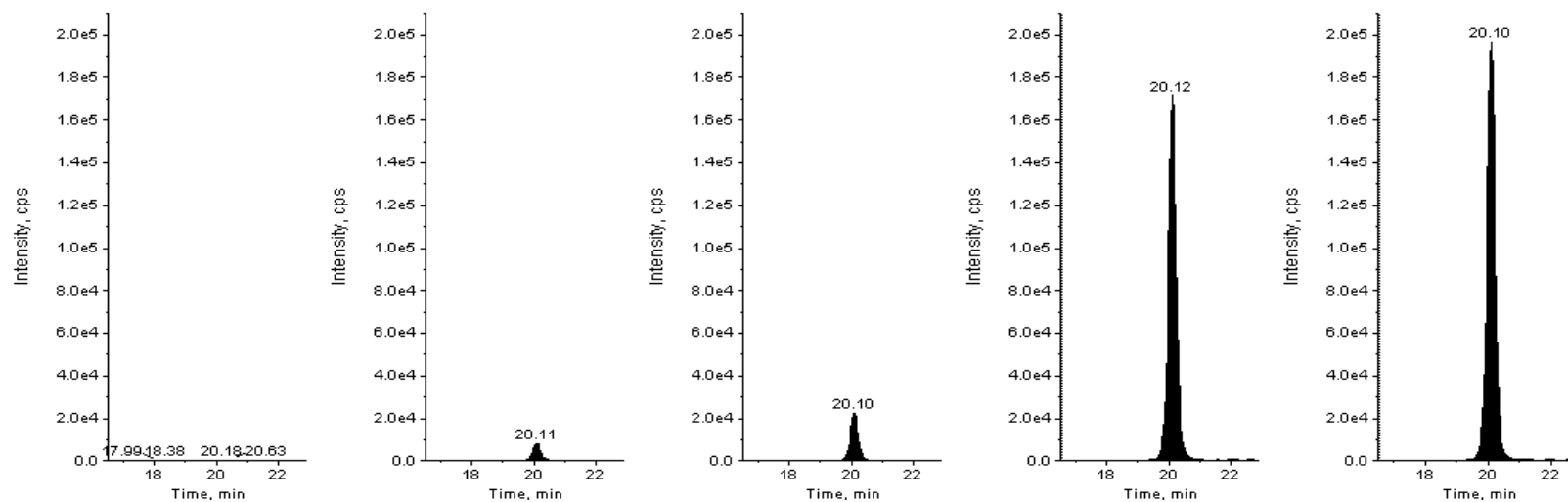


Figure: First MRM of Fenpropimorph: 304 amu → 147 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

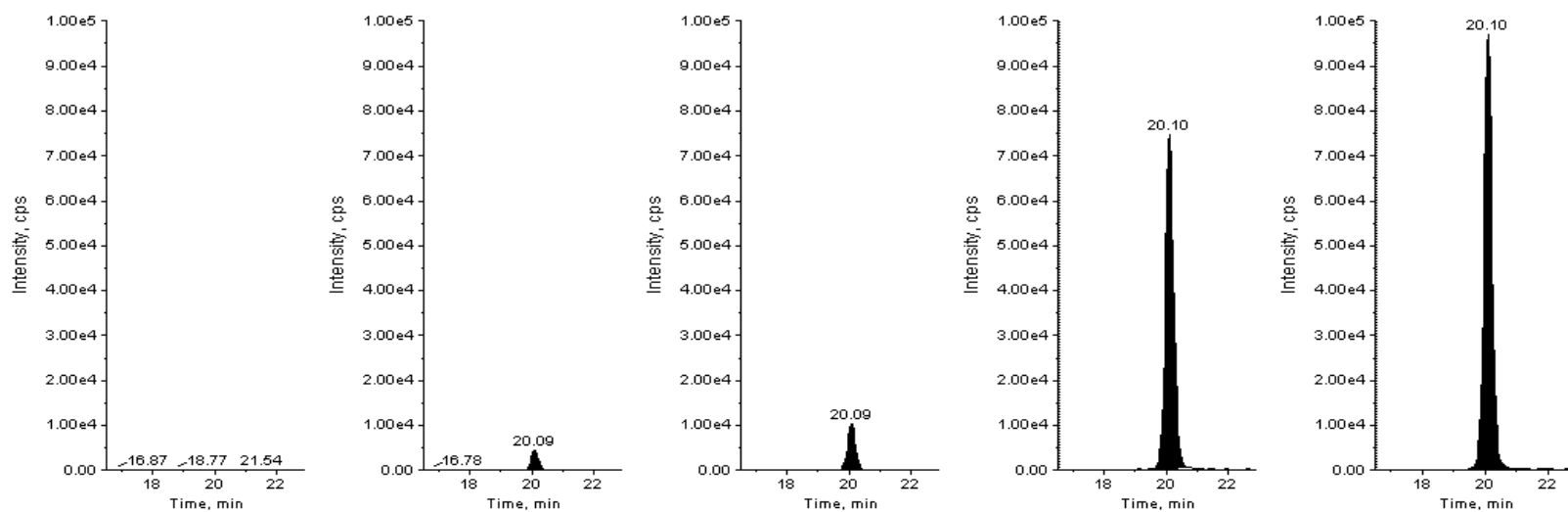


Figure: Second MRM of Fenpropimorph: 304 amu → 117 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

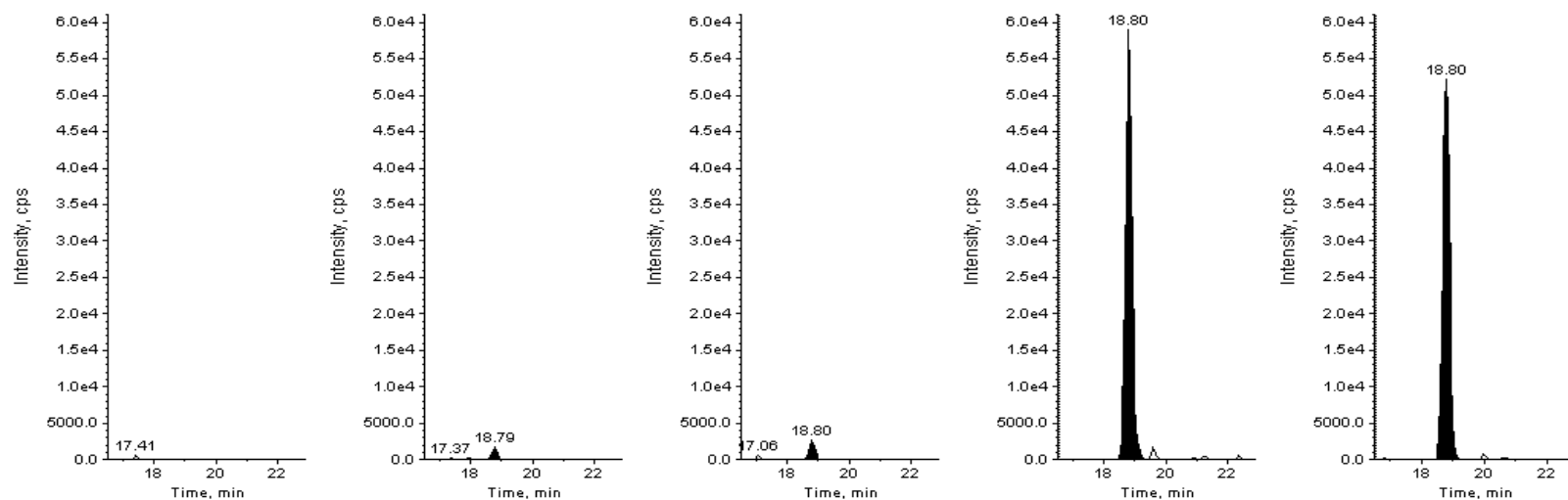


Figure: First MRM of Fenpyroximate: 422 amu → 366 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

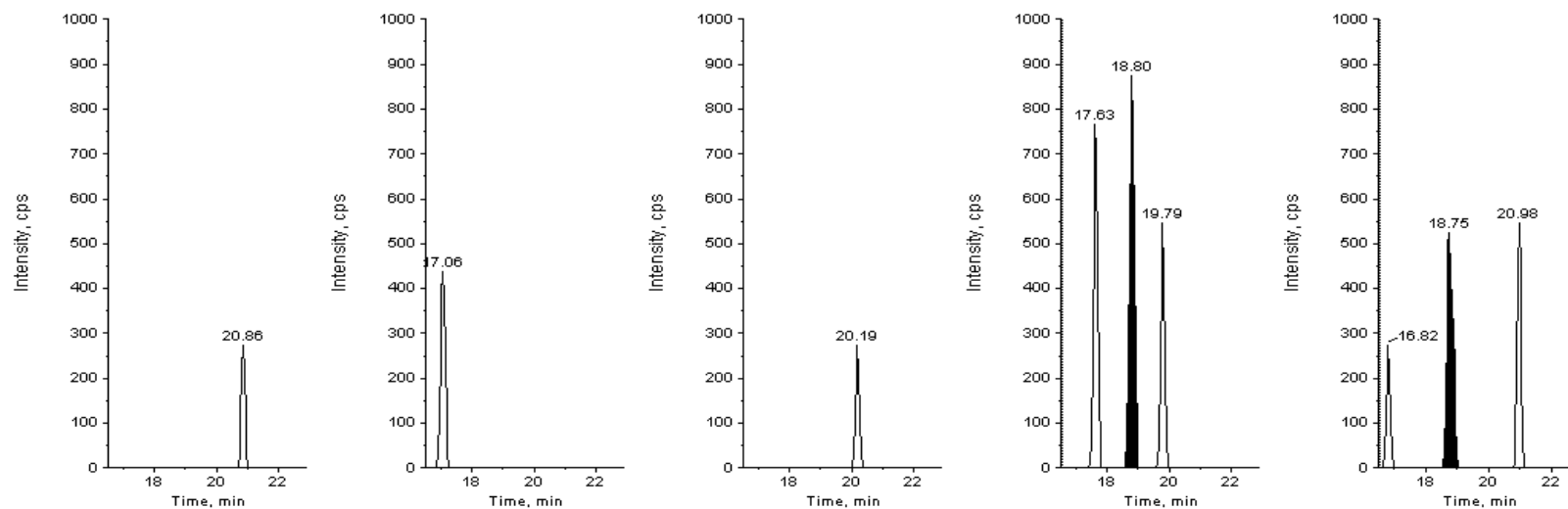


Figure: Second MRM of Fenpyroximate: 422 amu → 135 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

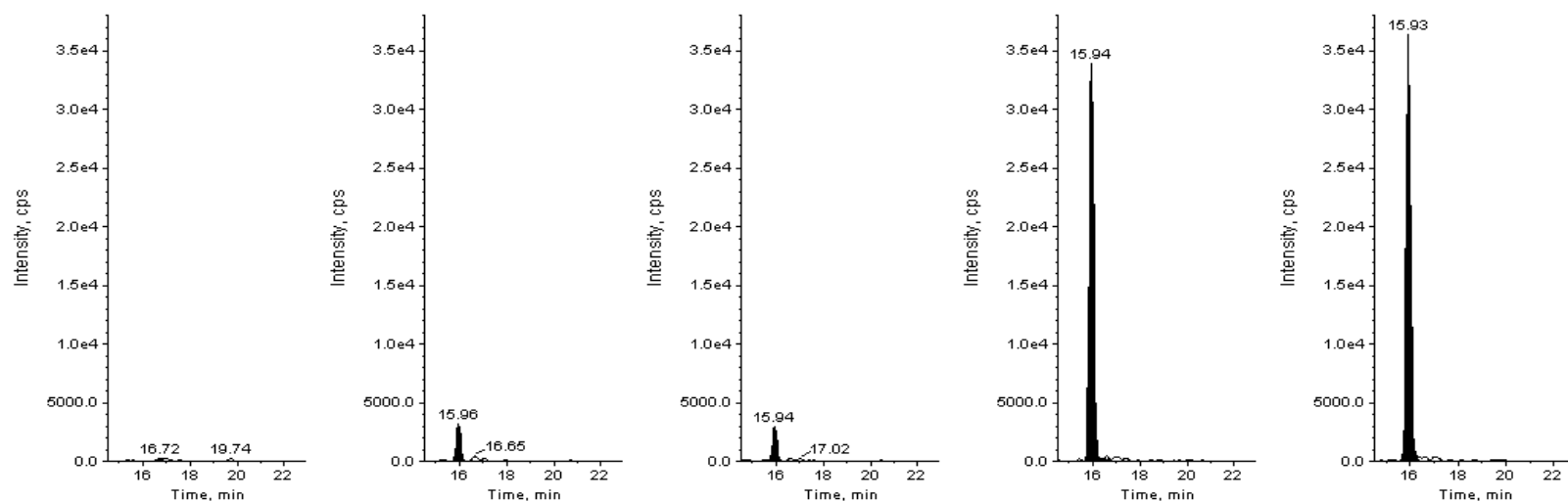


Figure: First MRM of Fenthion: 279 amu → 169 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

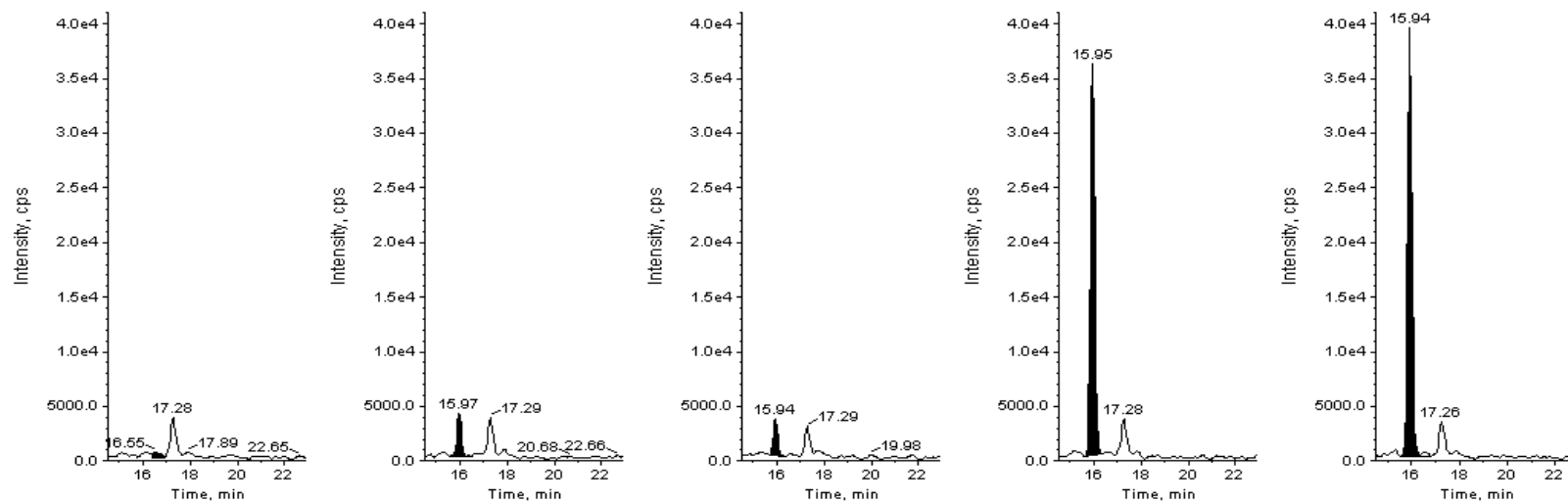


Figure: Second MRM of Fenthion: 279 amu → 247 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

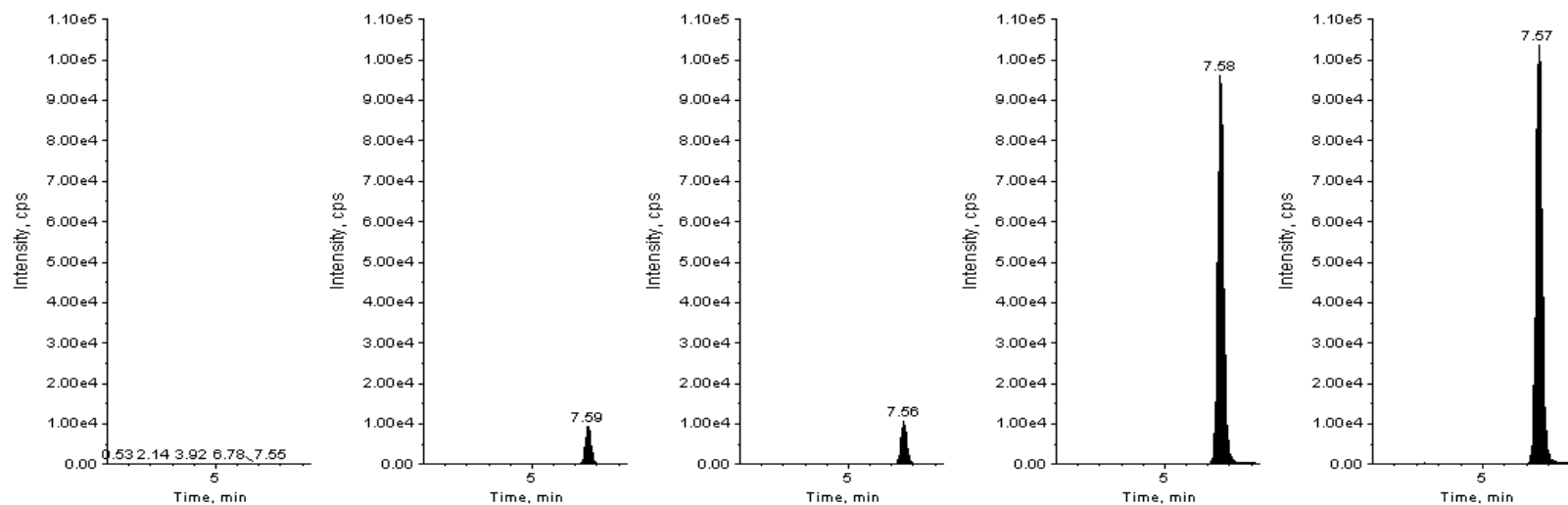


Figure: First MRM of Fenuron: 165 amu → 72 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

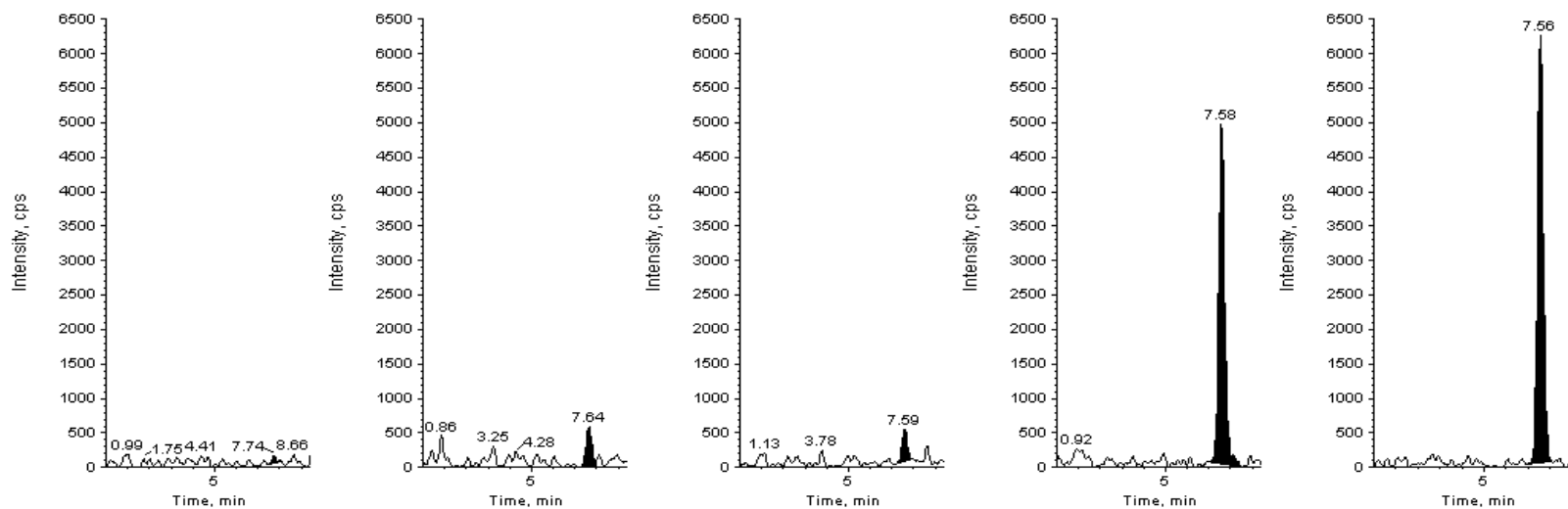


Figure: Second MRM of Fenuron: 165 amu → 120 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

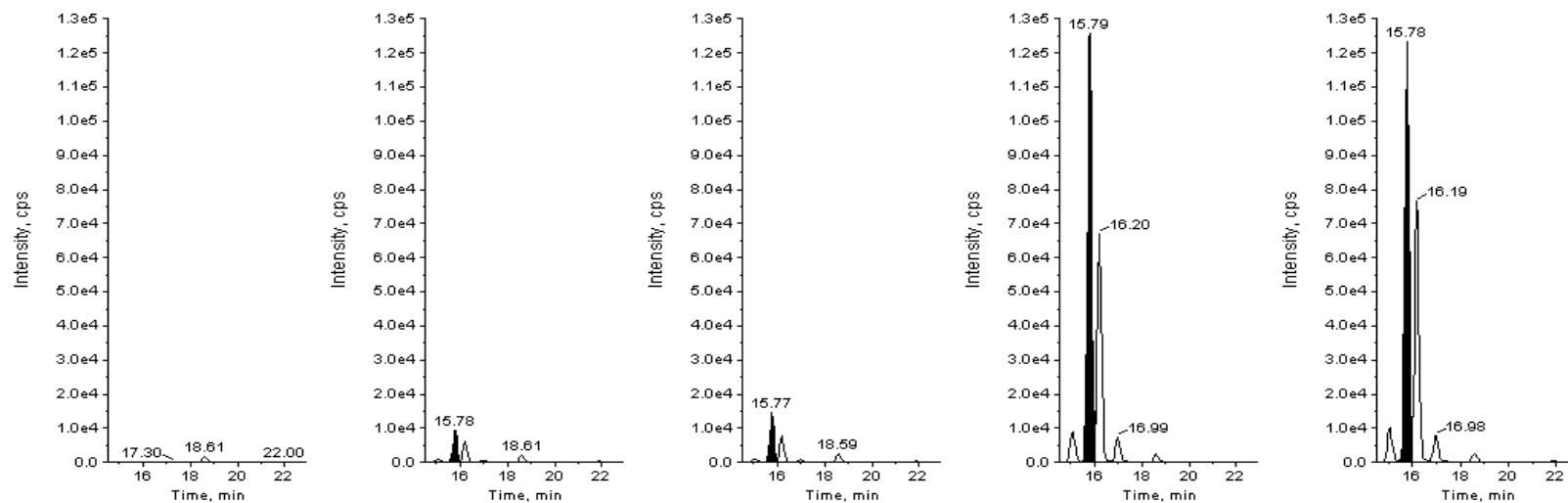


Figure: First MRM of Flamprop-M-isopropyl: 364 amu → 77 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

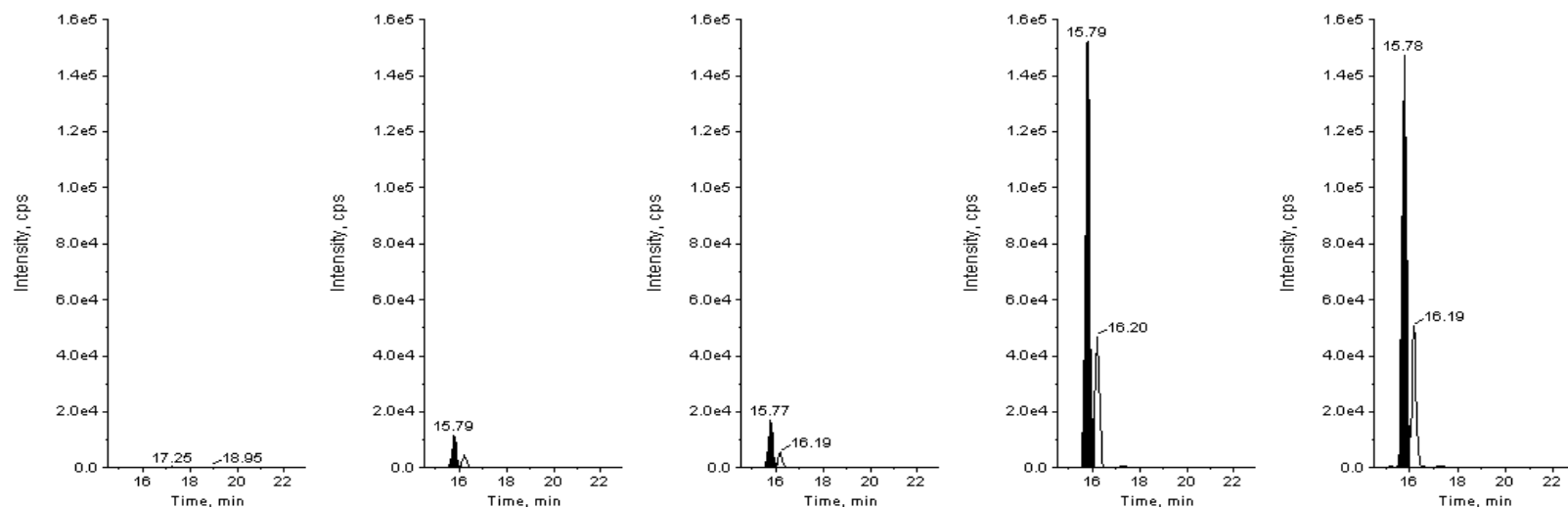


Figure: Second MRM of Flamprop-M-isopropyl: 364 amu → 105 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

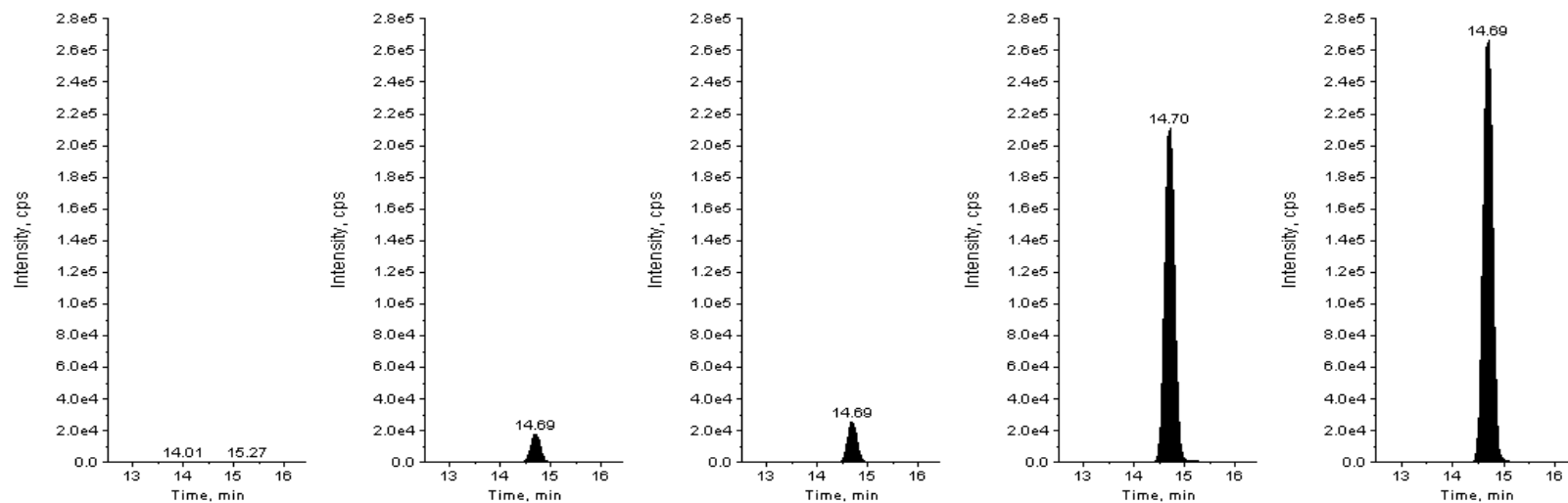


Figure: First MRM of Flamprop-M-methyl: 336 amu $\rightarrow$ 105 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

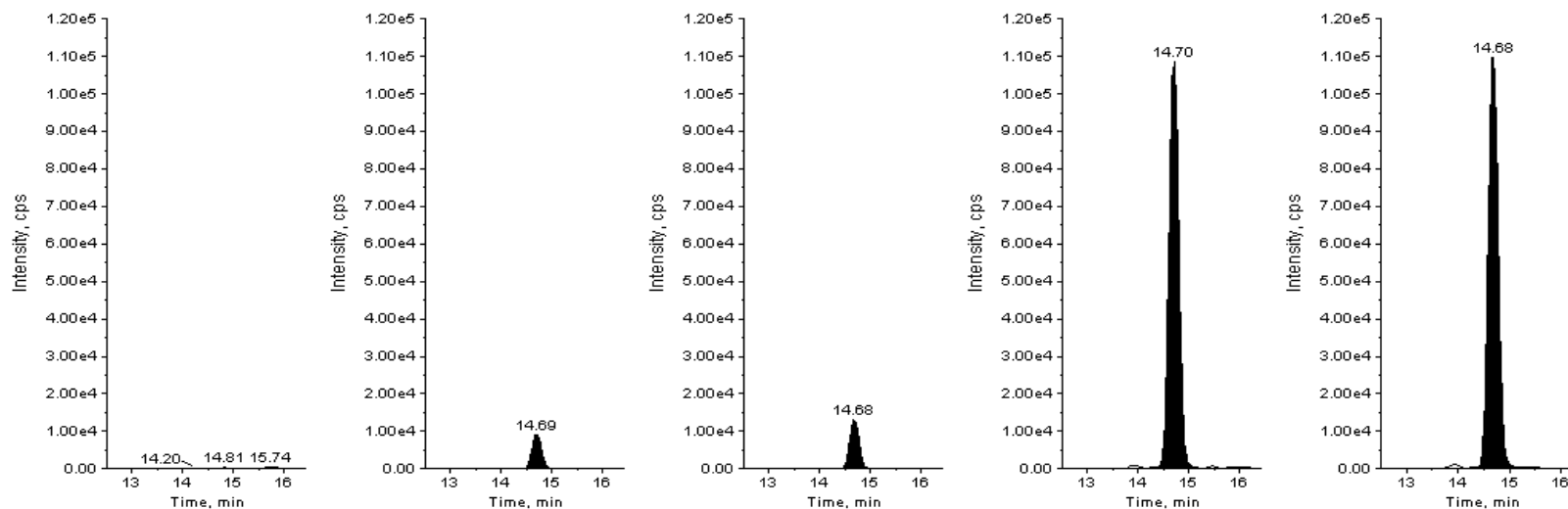


Figure: Second MRM of Flamprop-M-methyl: 336 amu $\rightarrow$ 77 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

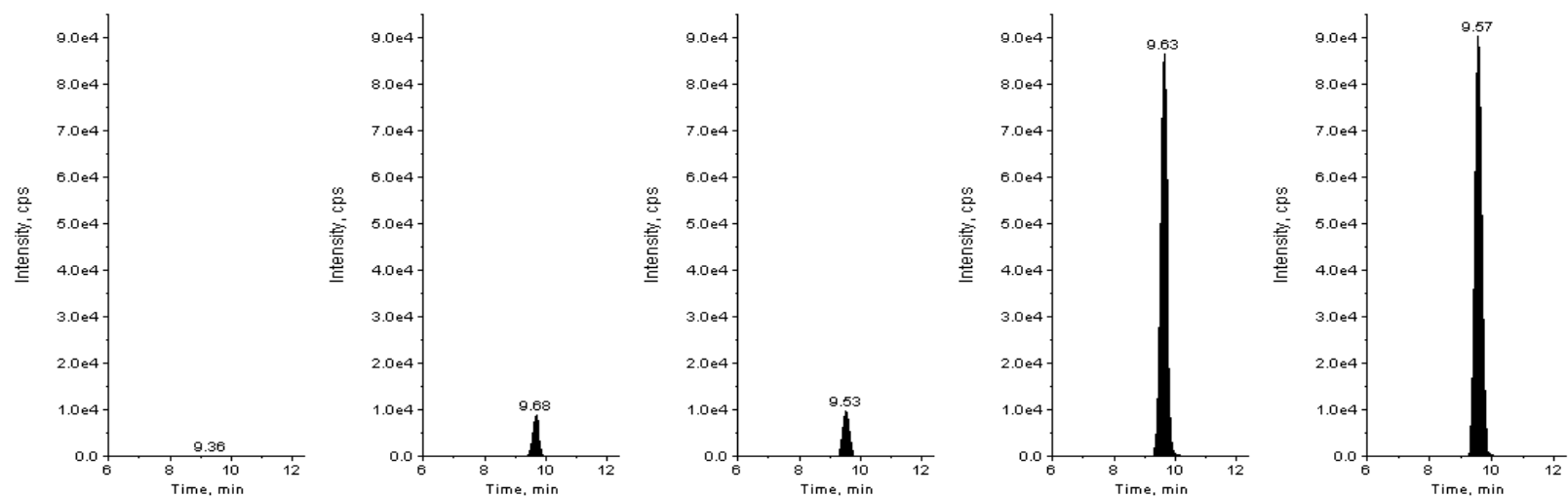


Figure: First MRM of Flazasulfuron: 408 amu → 182 amu
(Control sample, standard 0.1µg/L, spiked sample 0.1µg/L, standard 1.0µg/L, spiked sample 1.0µg/L, from left to right)

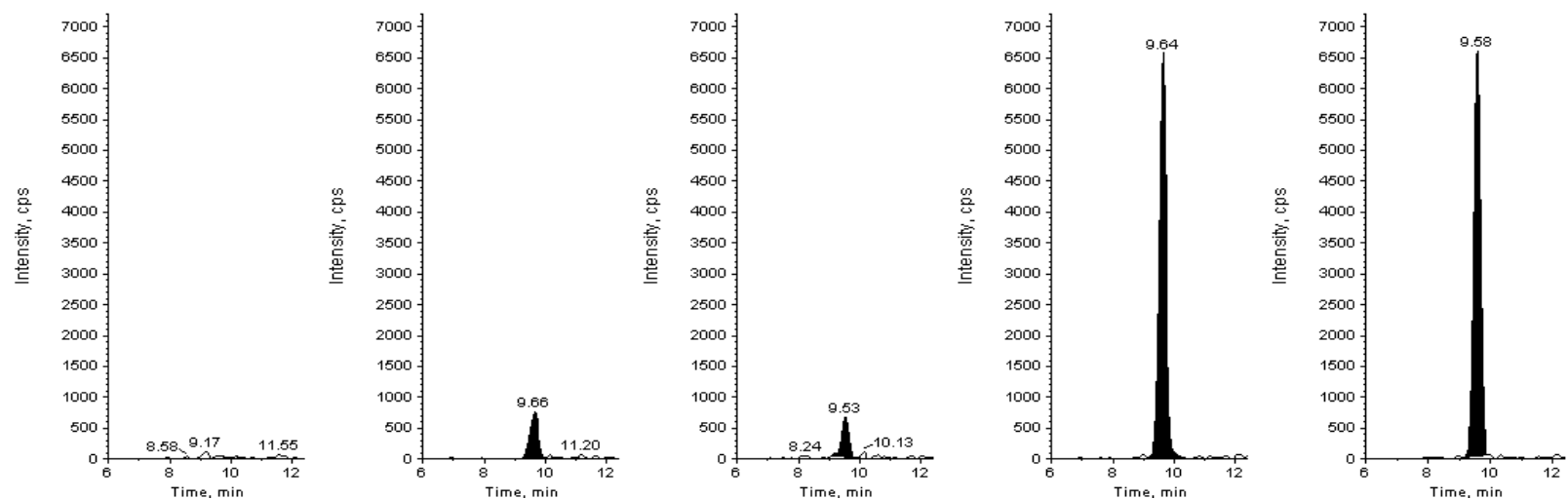


Figure: Second MRM of Flazasulfuron: 408 amu → 227 amu
(Control sample, standard 0.1µg/L, spiked sample 0.1µg/L, standard 1.0µg/L, spiked sample 1.0µg/L, from left to right)

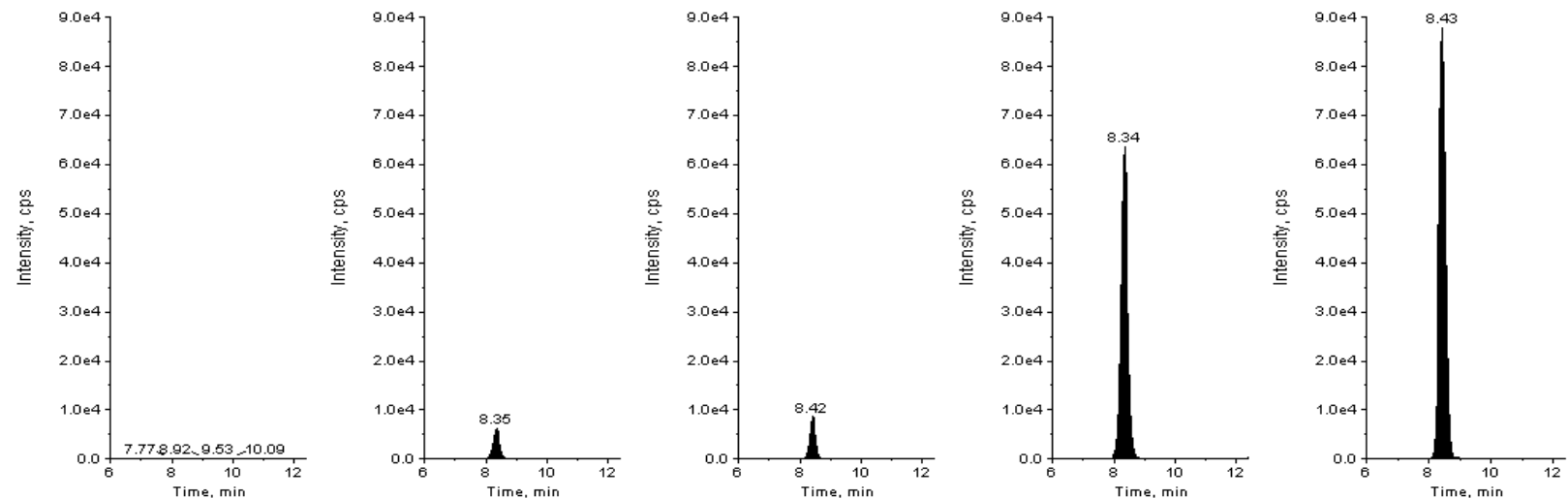


Figure: First MRM of Florasulam: 360 amu → 129 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

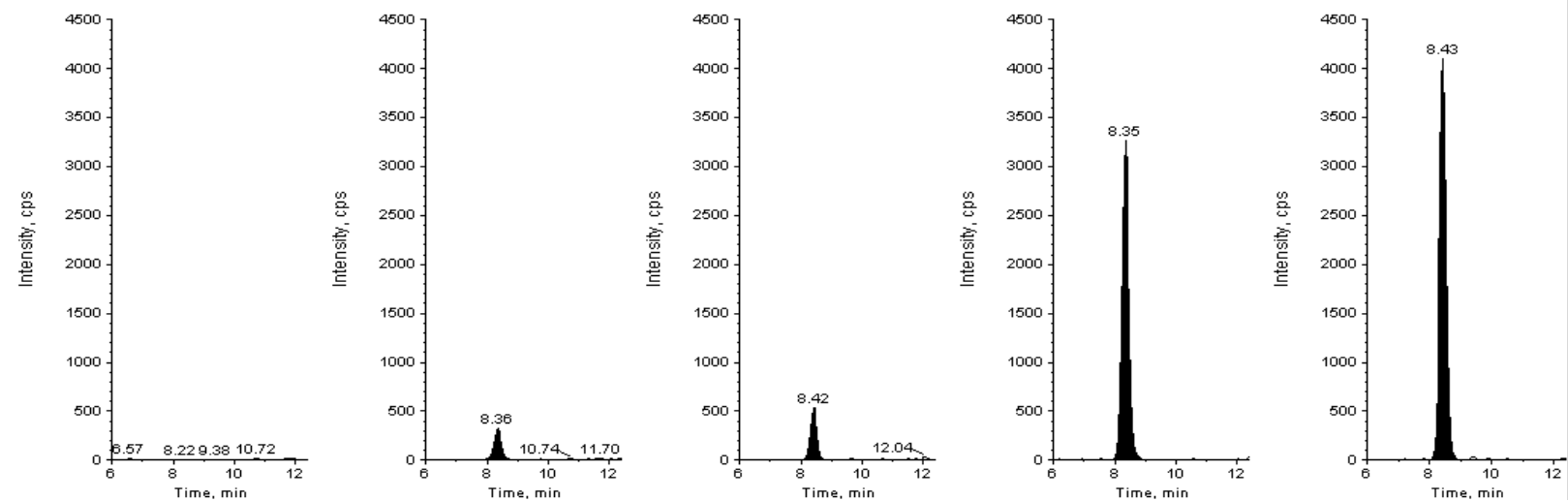


Figure: Second MRM of Florasulam: 360 amu → 192 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

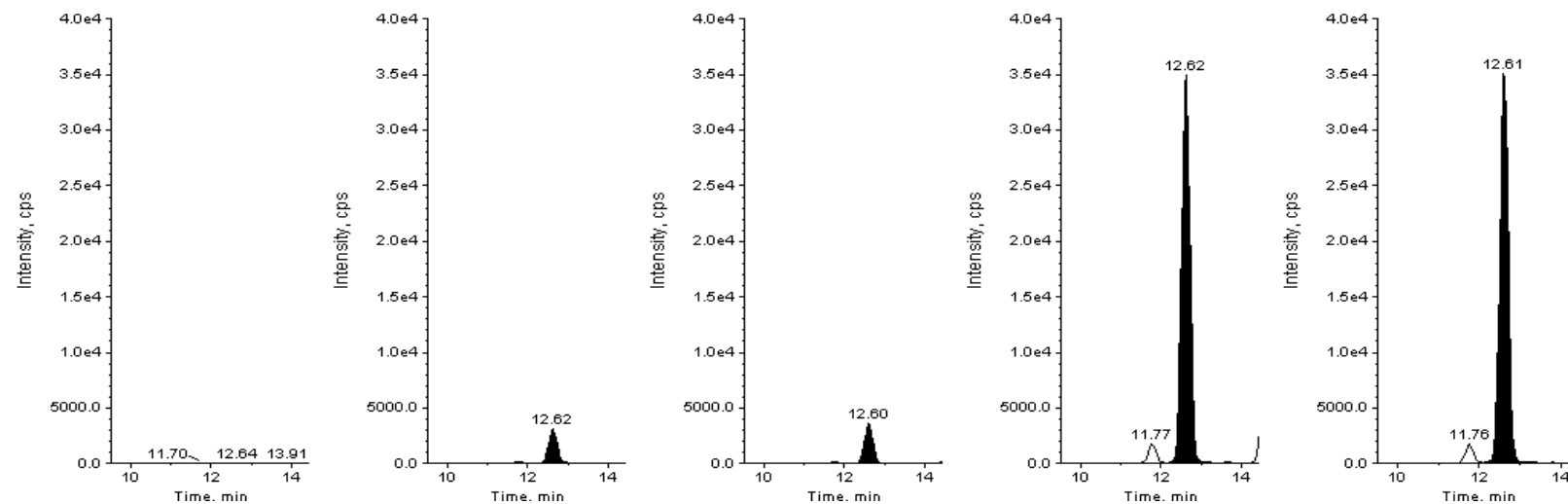


Figure: First MRM of Fluazifop (free acid): 328 amu $\rightarrow$ 282 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

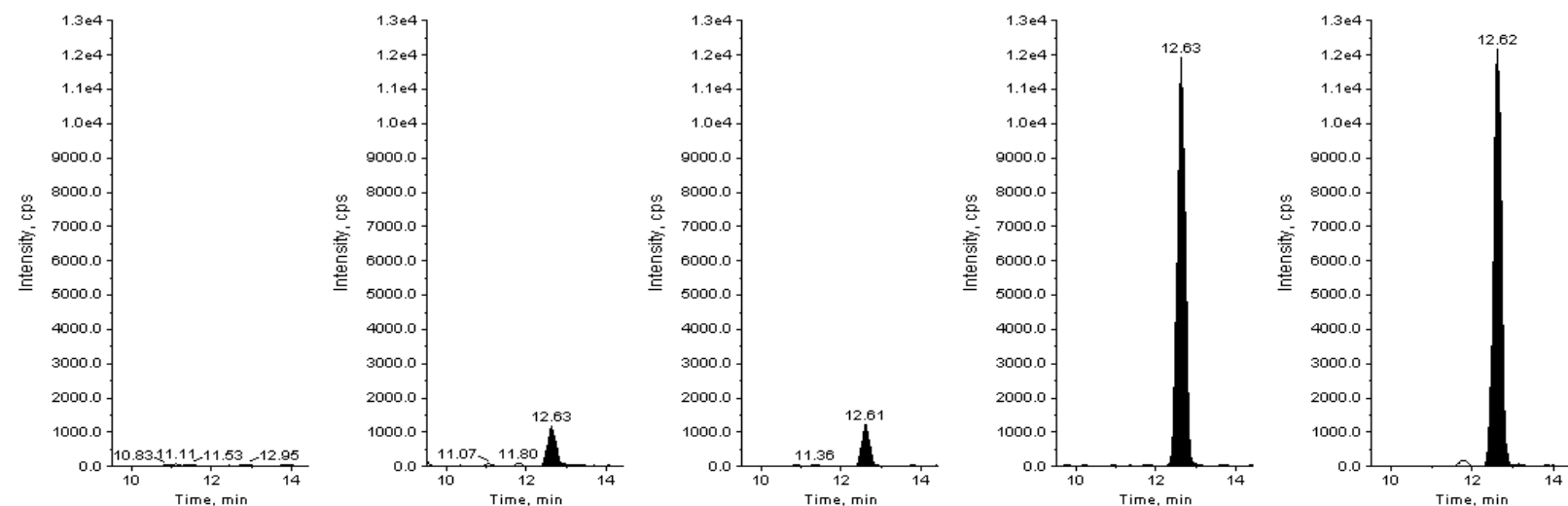


Figure: Second MRM of Fluazifop (free acid): 328 amu $\rightarrow$ 254 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

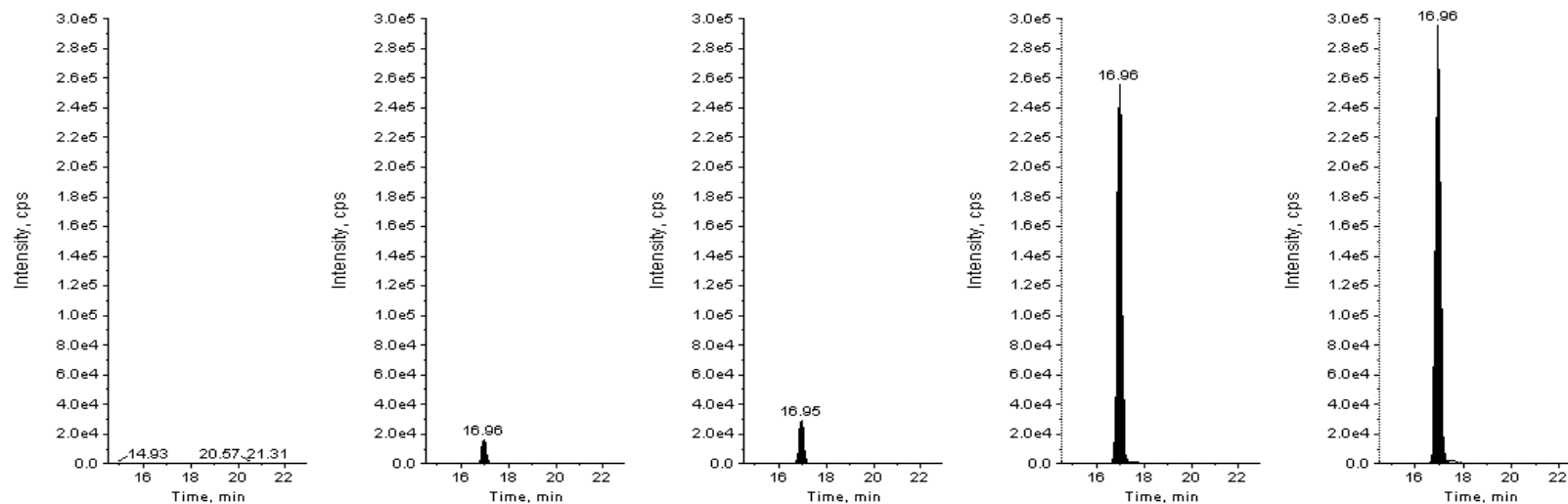


Figure: First MRM of Fluazifop-butyl: 384 amu → 282 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

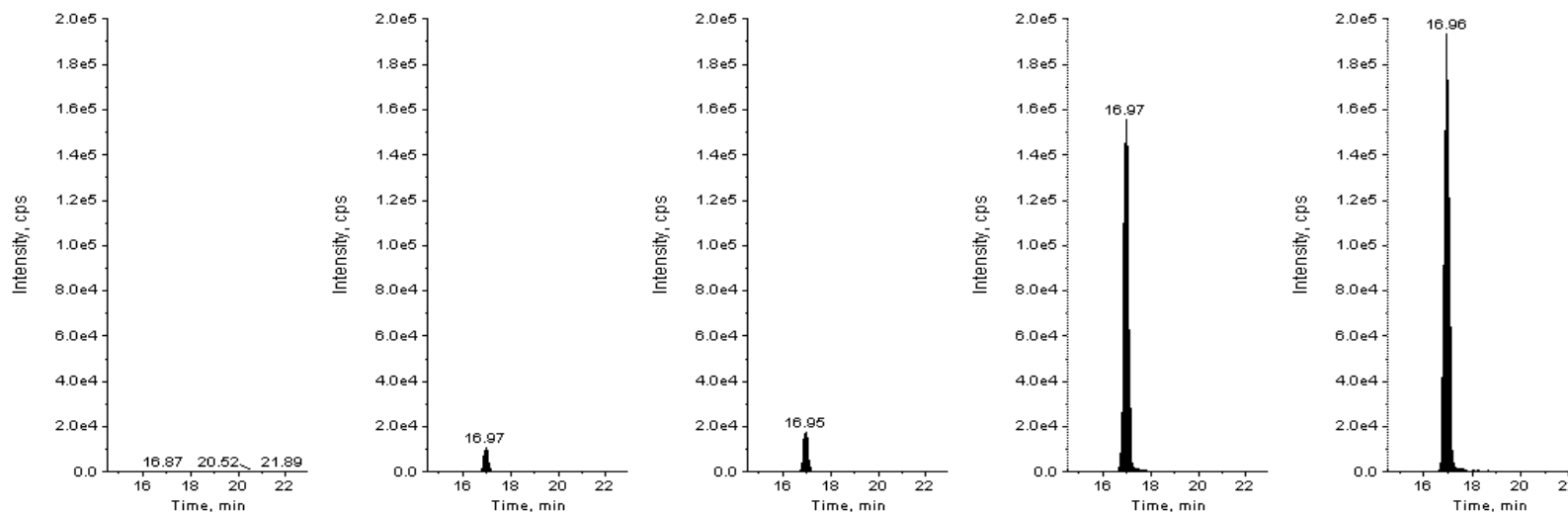


Figure: Second MRM of Fluazifop-butyl: 384 amu → 328 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

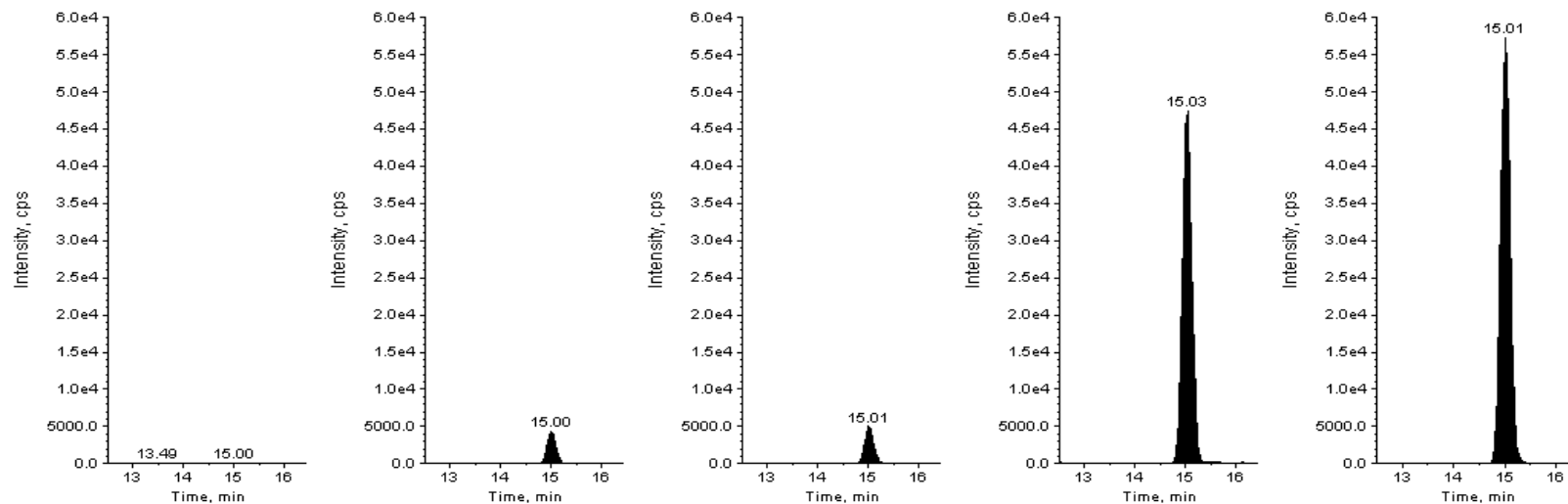


Figure: First MRM of Flufenacet: 364 amu $\rightarrow$ 194 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

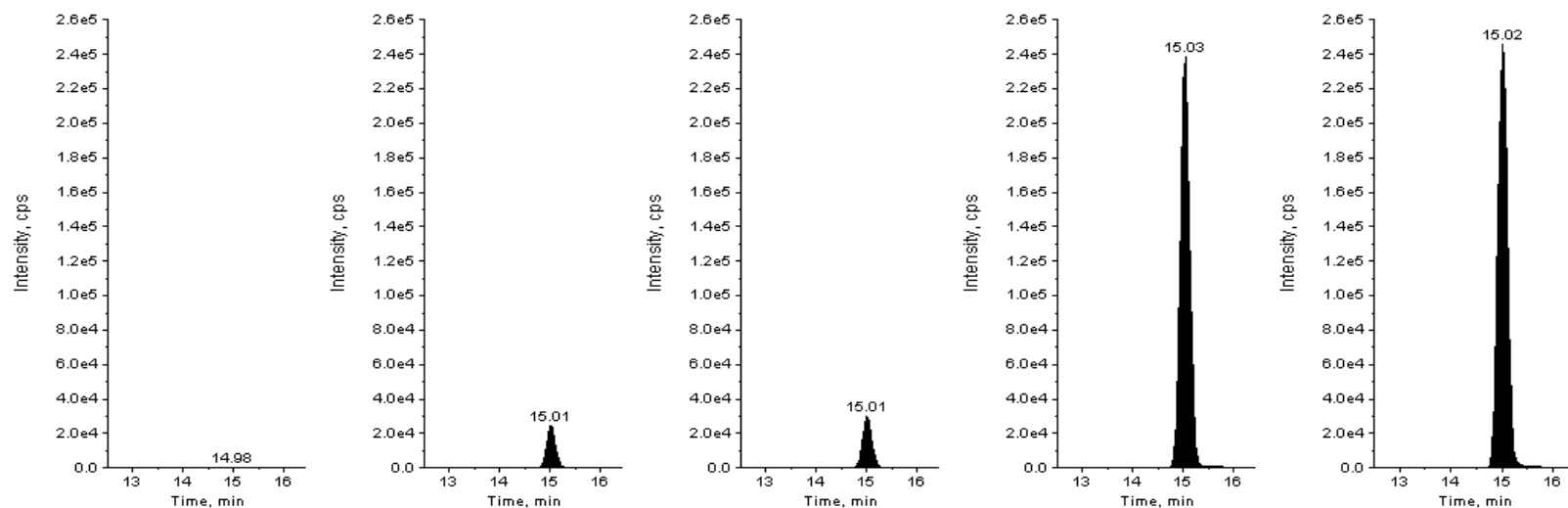


Figure: Second MRM of Flufenacet: 364 amu $\rightarrow$ 152 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

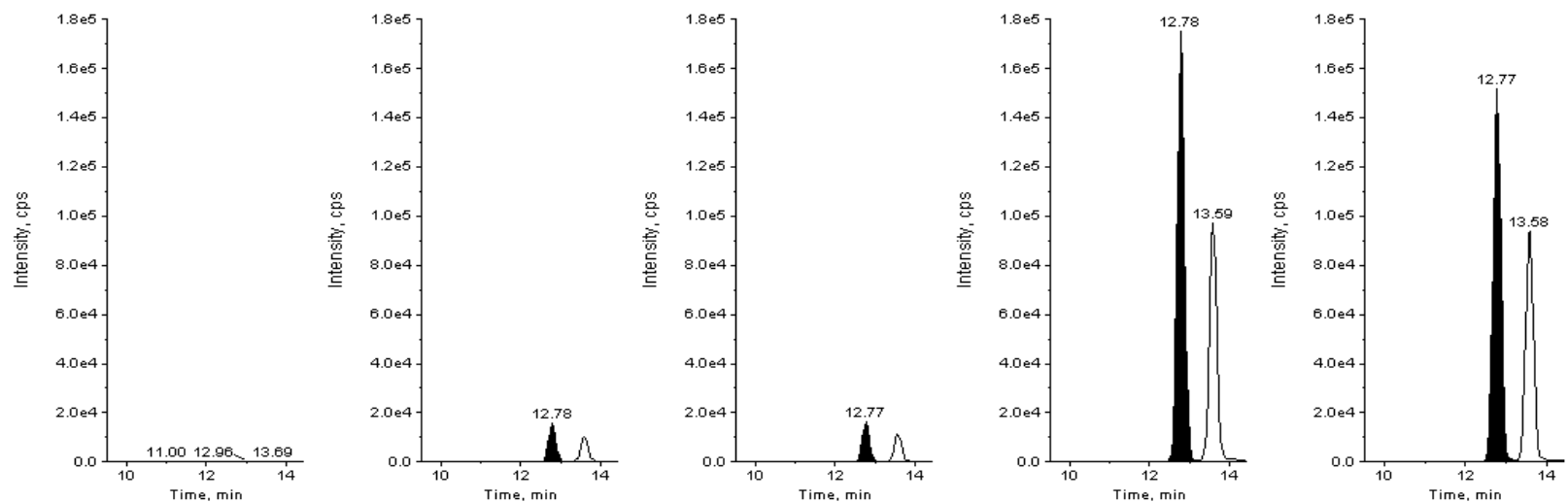


Figure: First MRM of Fluometuron: 233 amu $\rightarrow$ 72 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

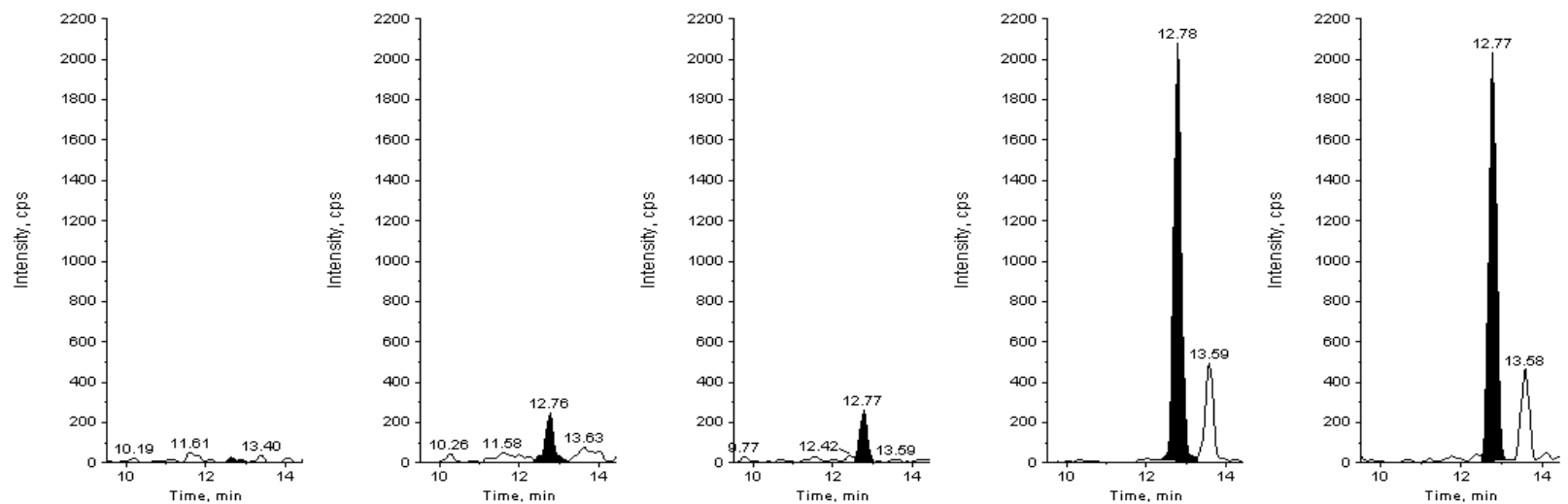


Figure: Second MRM of Fluometuron: 233 amu $\rightarrow$ 160 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

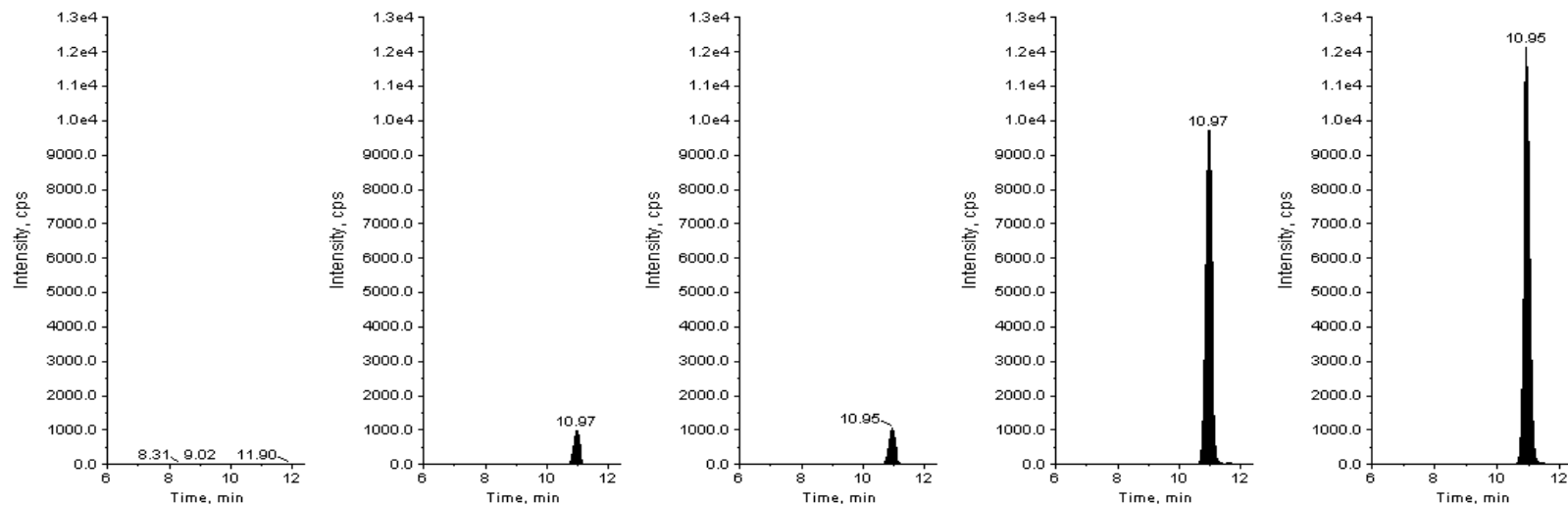


Figure: First MRM of Flupyr sulfuron-methyl sodium: 466 amu → 139 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

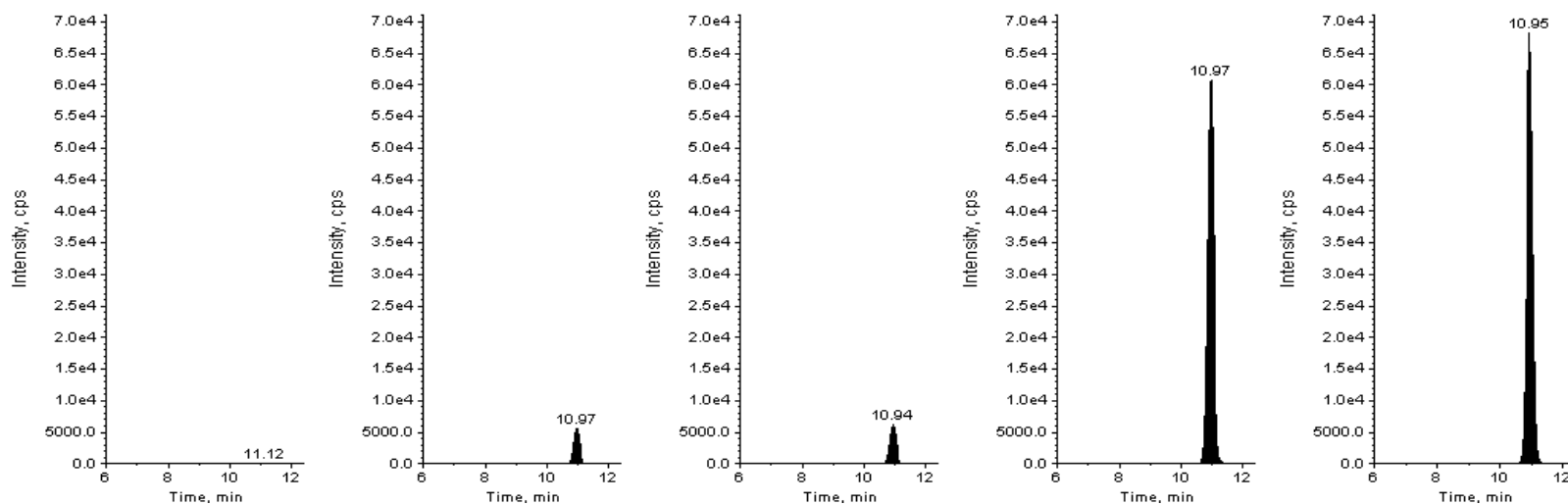
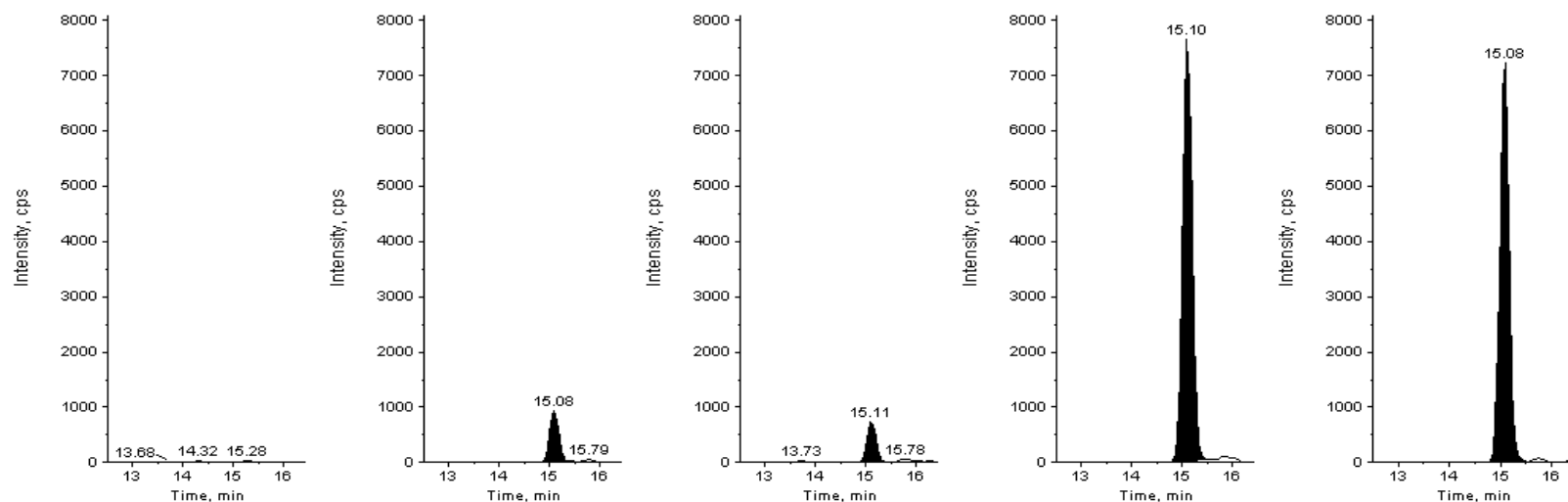
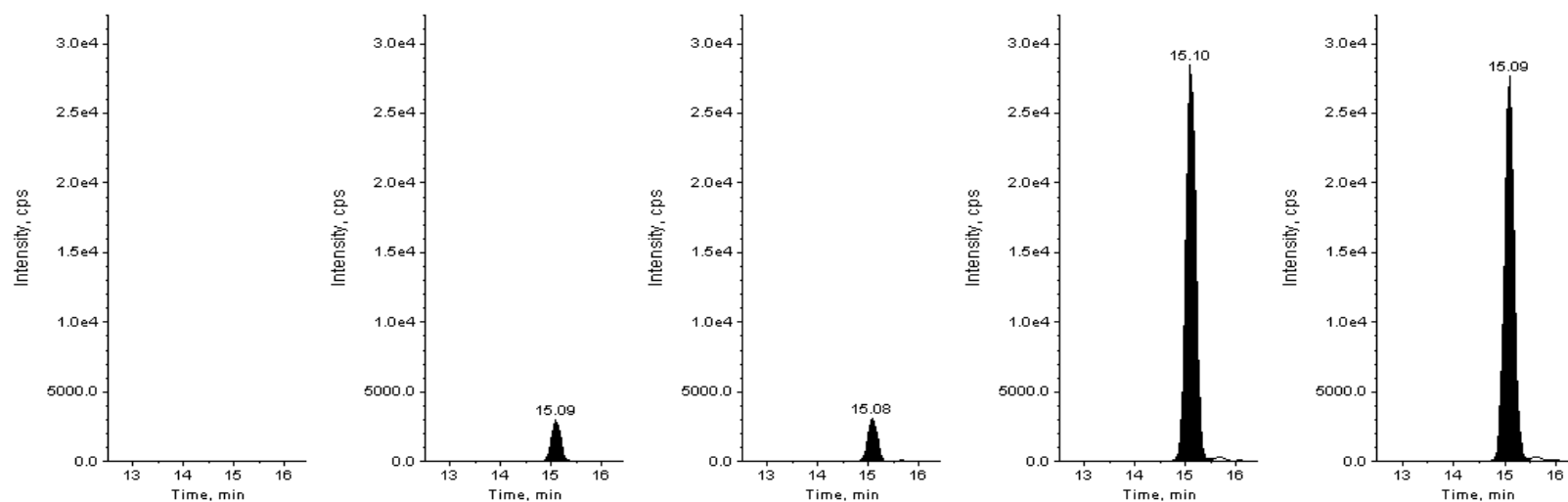


Figure: Second MRM of Flupyr sulfuron-methyl sodium: 466 amu → 182 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)



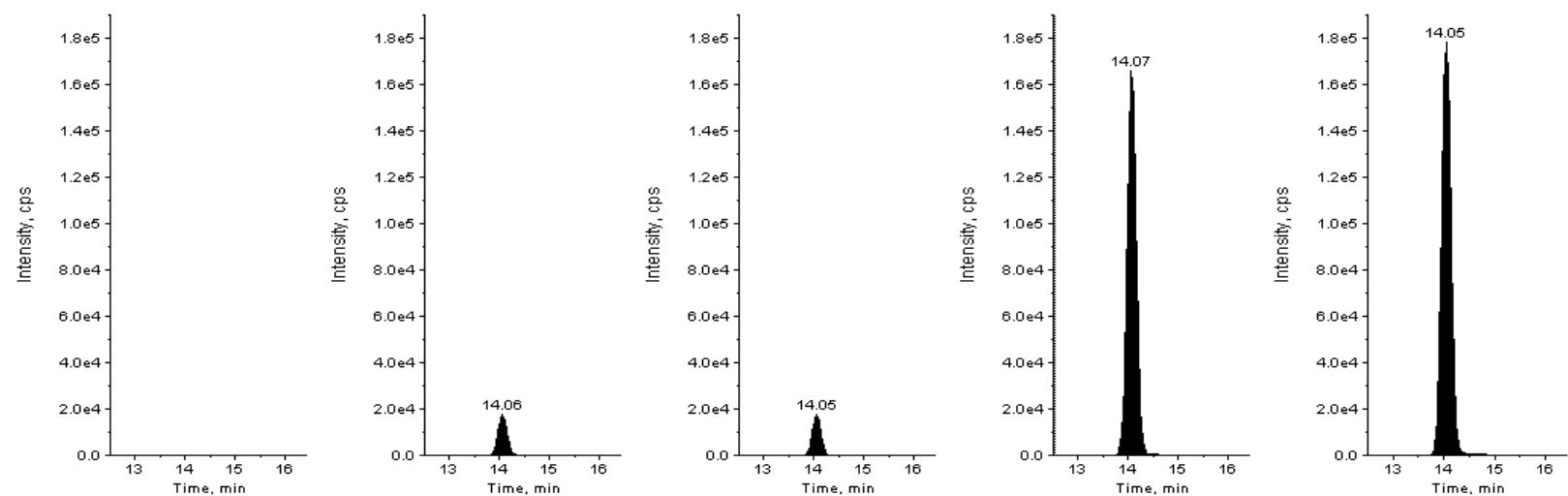


Figure: First MRM of Fluridone: 330 amu → 310 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

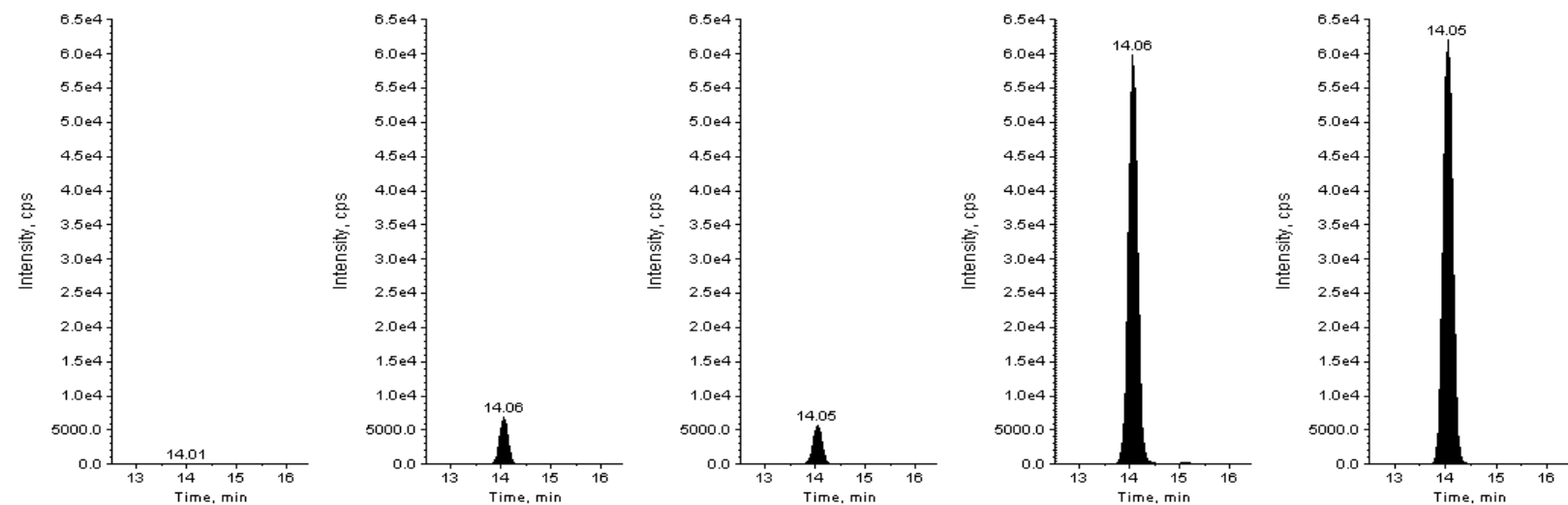


Figure: Second MRM of Fluridone: 330 amu → 259 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

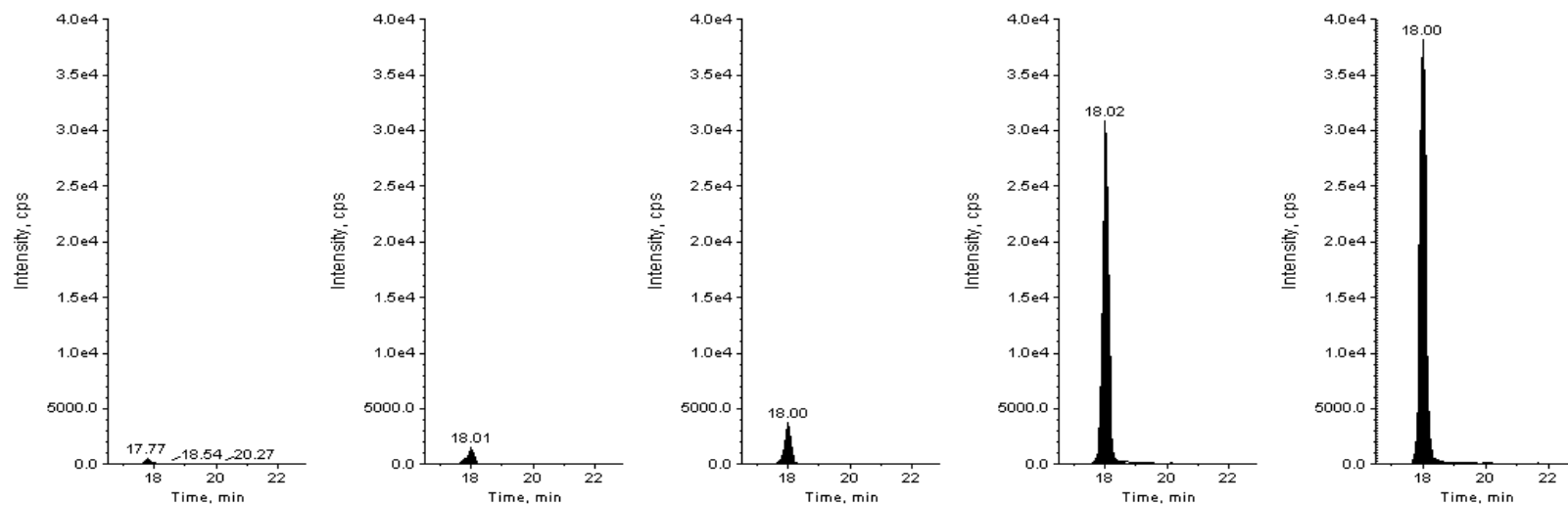


Figure: First MRM of Fluroxypyr-meptyl: 367 amu → 255 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

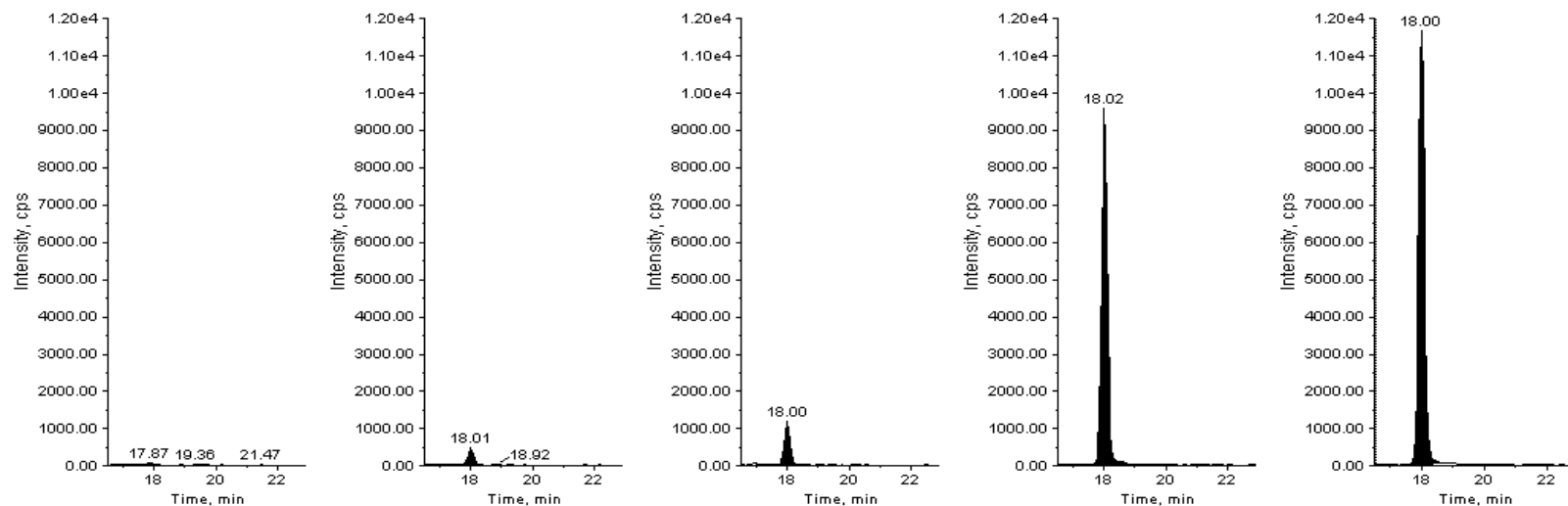
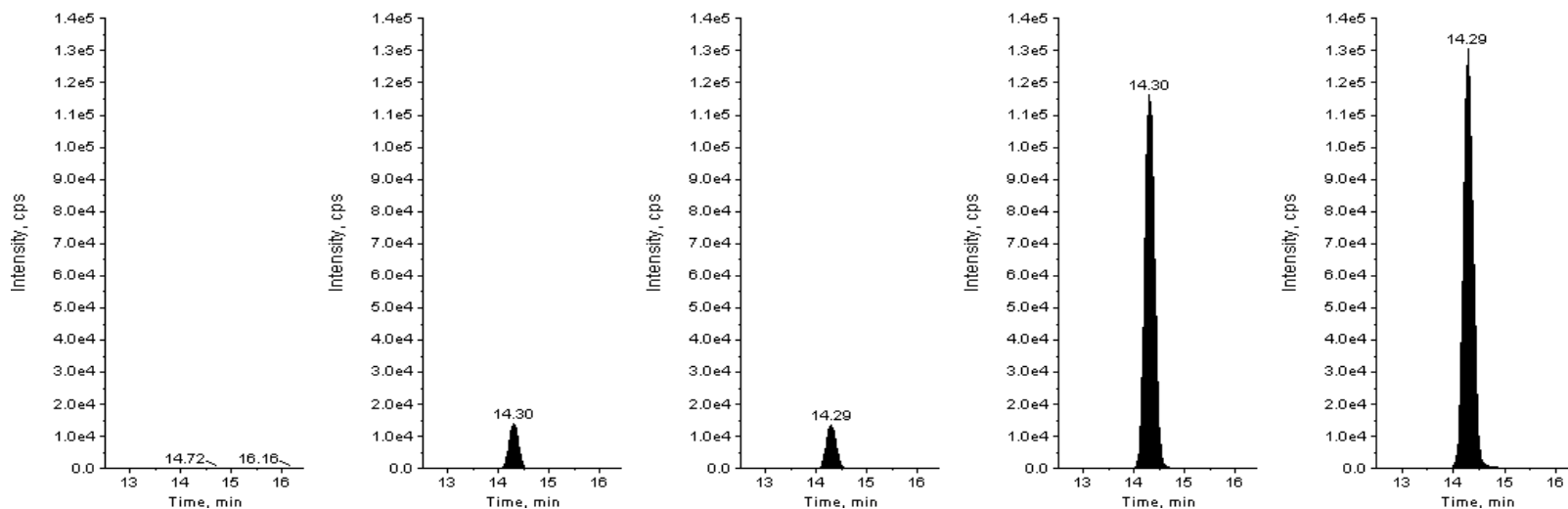
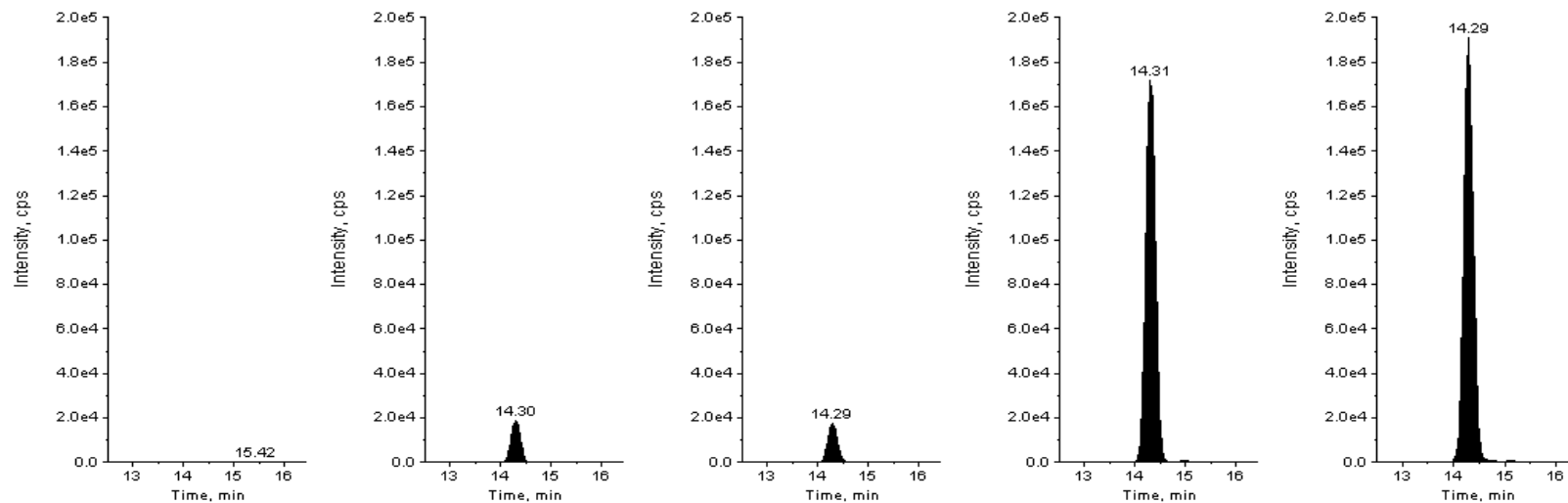


Figure: Second MRM of Fluroxypyr-meptyl: 367 amu → 209 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)



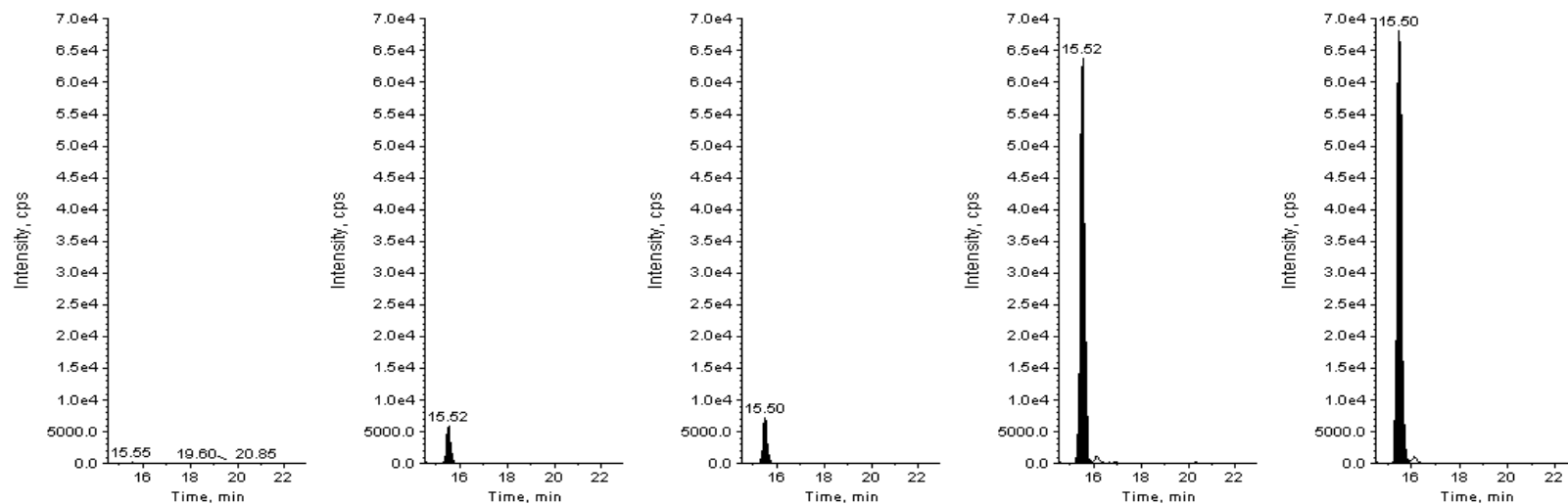


Figure: First MRM of Flusilazole: 316 amu → 247 amu
(Control sample, standard 0.1µg/L, spiked sample 0.1µg/L, standard 1.0µg/L, spiked sample 1.0µg/L, from left to right)

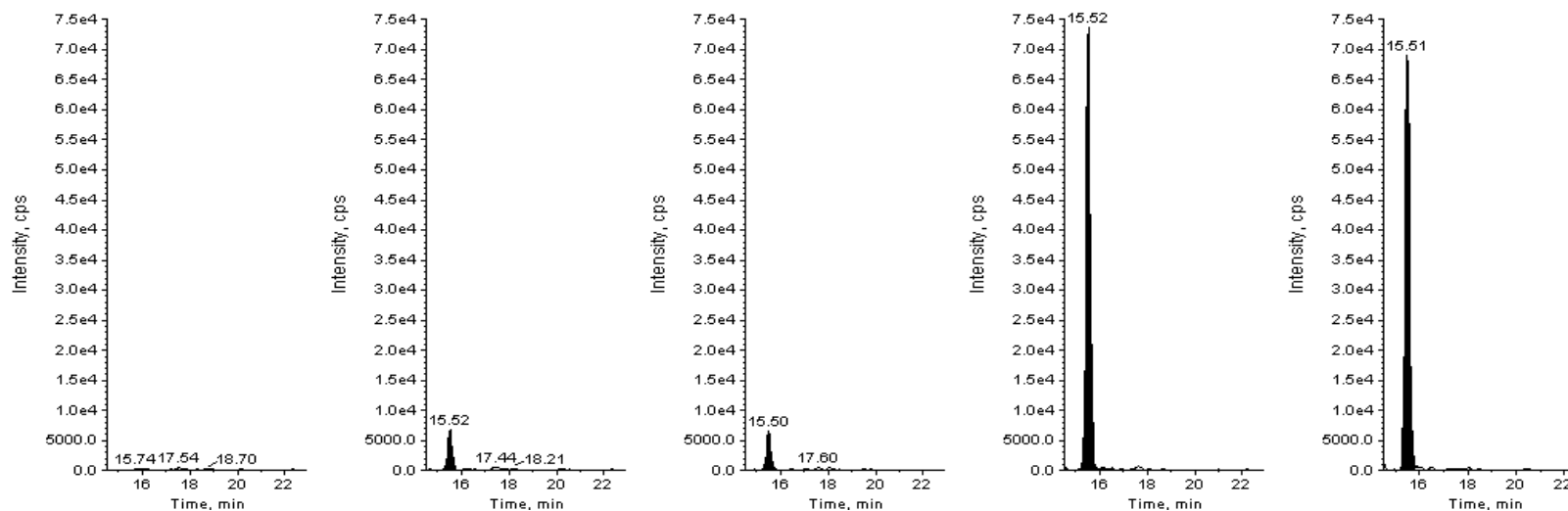


Figure: Second MRM of Flusilazole: 316 amu → 165 amu
(Control sample, standard 0.1µg/L, spiked sample 0.1µg/L, standard 1.0µg/L, spiked sample 1.0µg/L, from left to right)

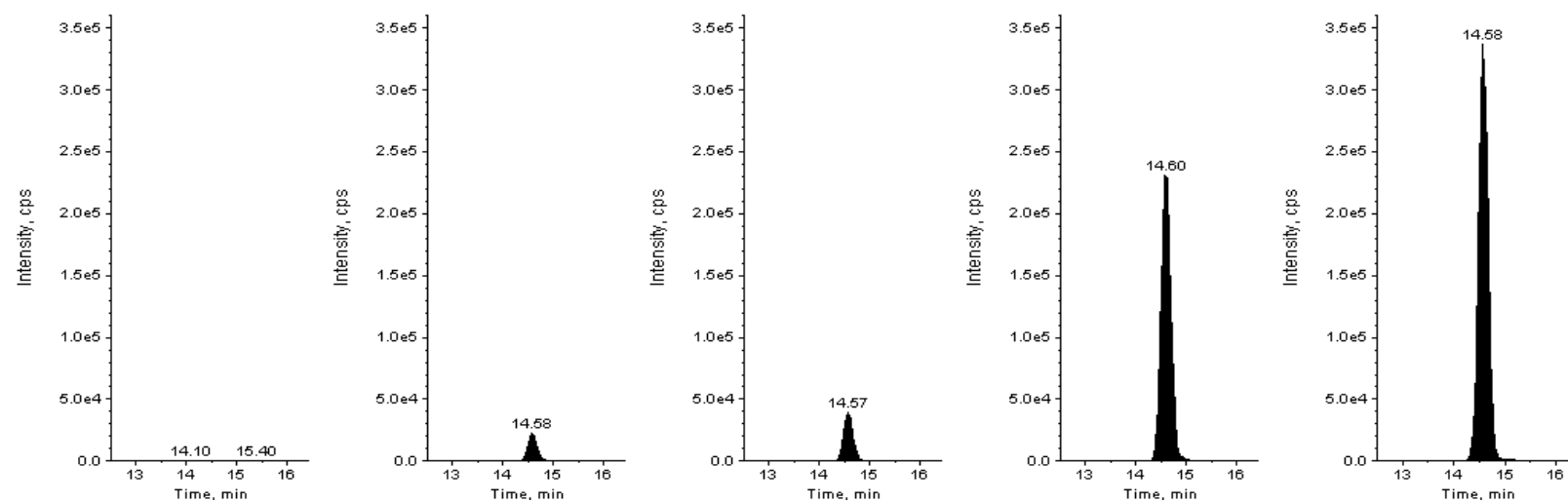


Figure: First MRM of Flutolanil: 324 amu $\rightarrow$ 262 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

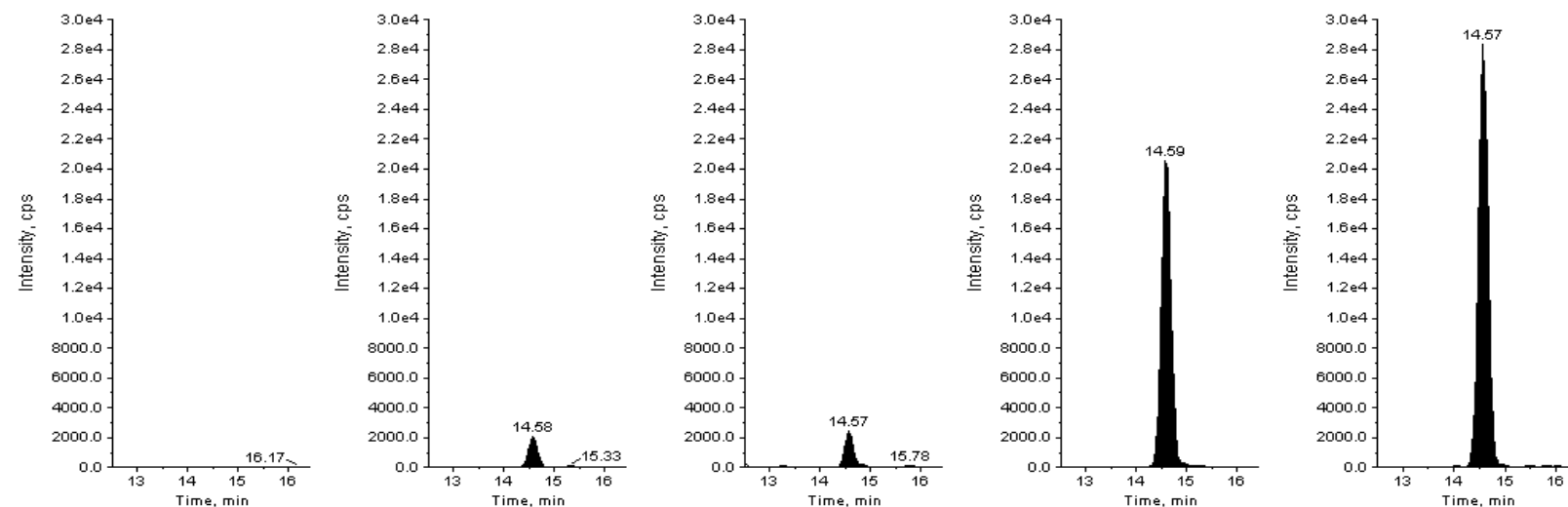


Figure: Second MRM of Flutolanil: 324 amu $\rightarrow$ 242 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

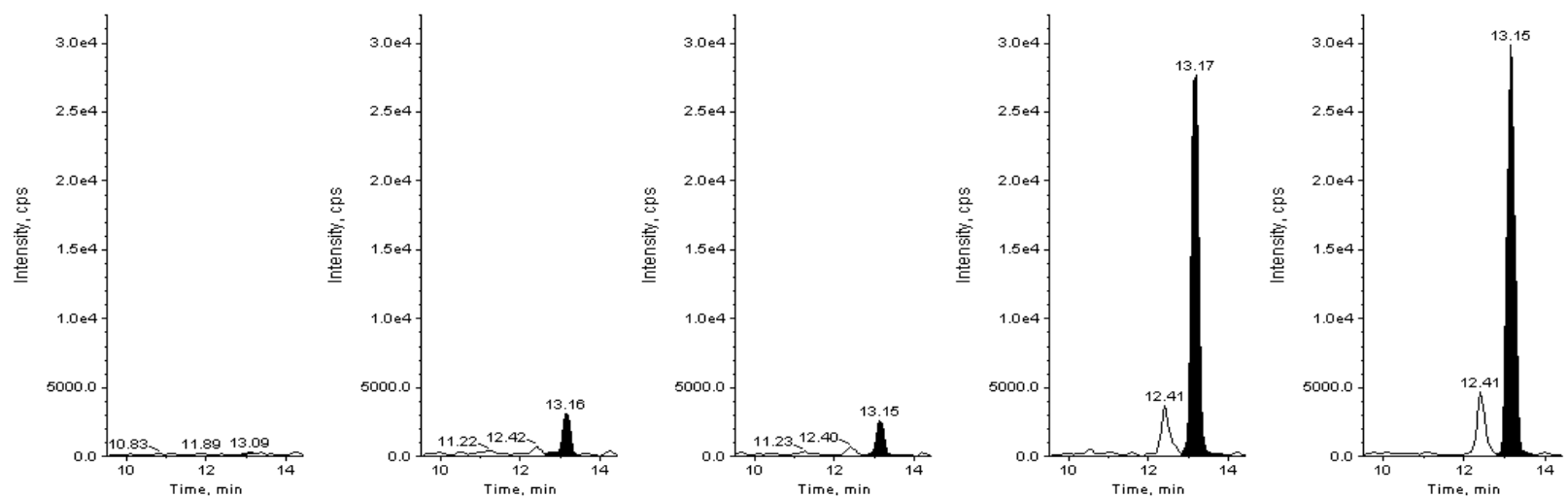


Figure: First MRM of Flutriafol: 302 amu → 123 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

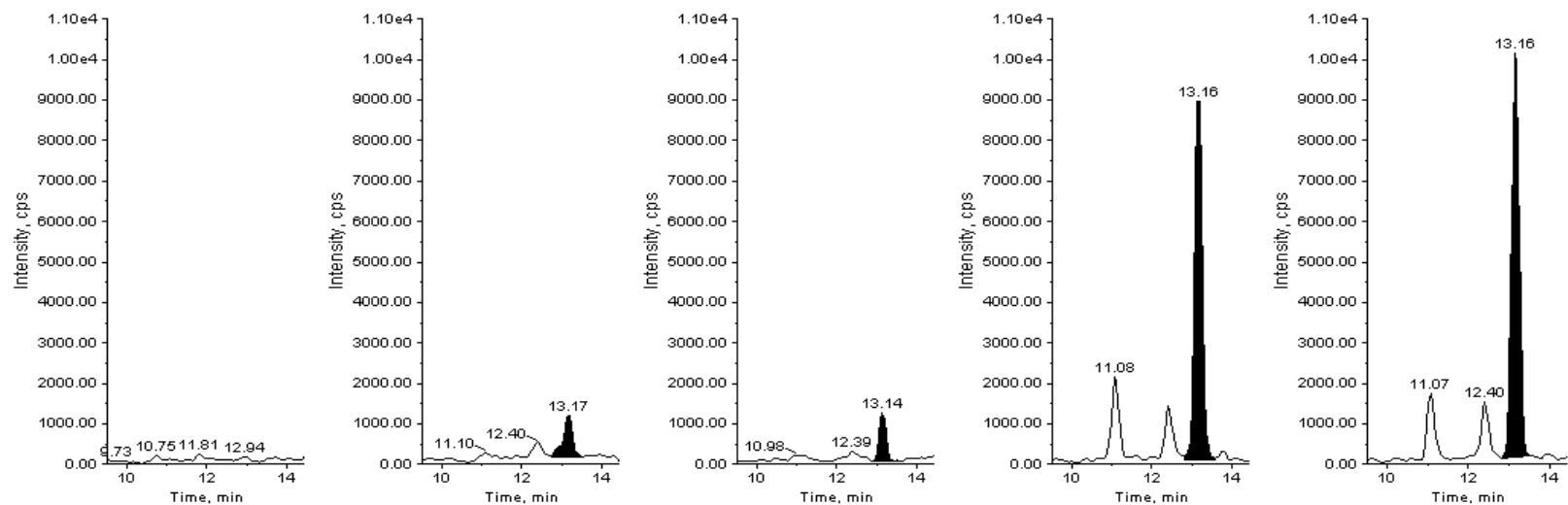


Figure: Second MRM of Flutriafol: 302 amu → 109 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

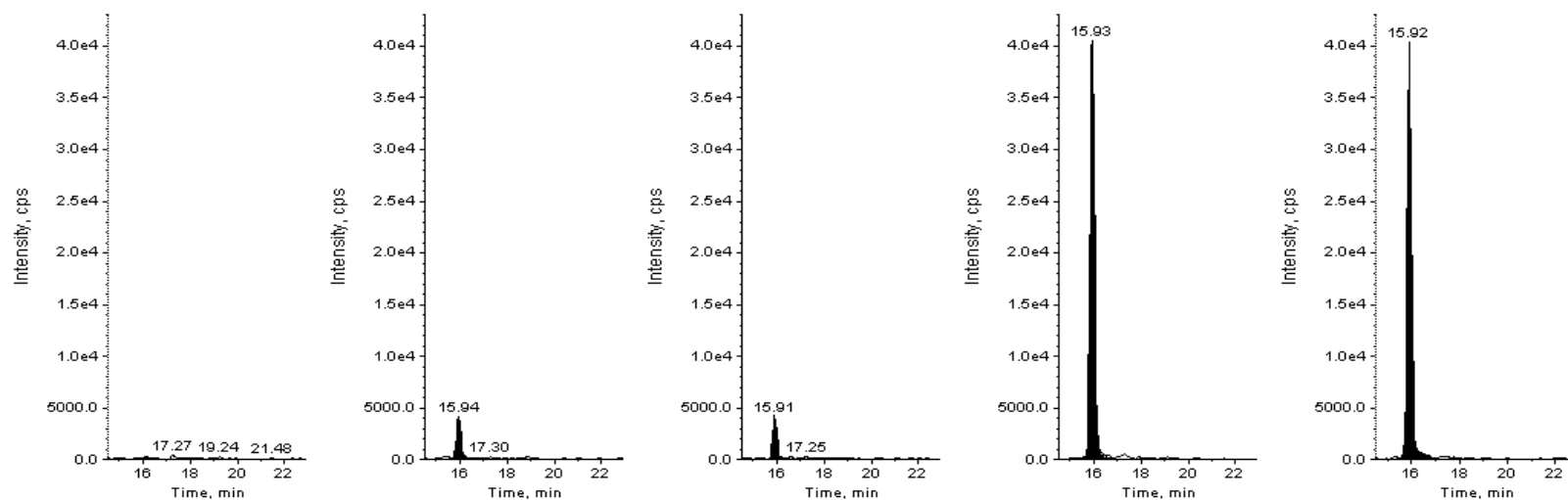


Figure: First MRM of Fonofos: 247 amu → 109 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

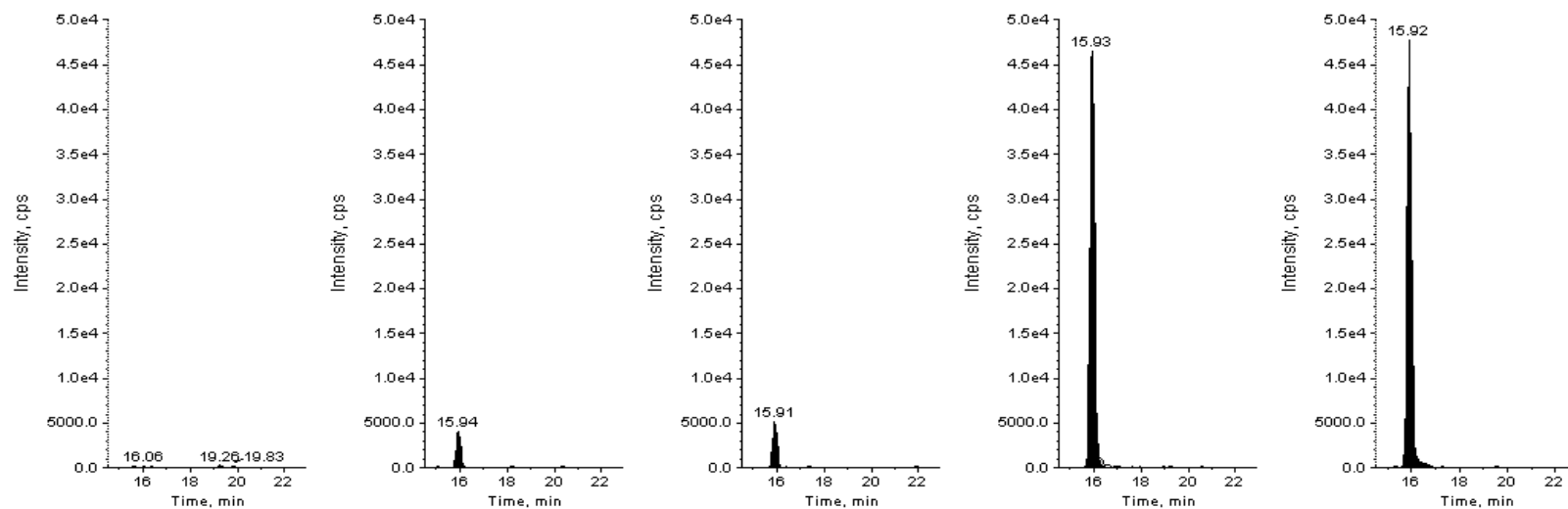


Figure: Second MRM of Fonofos: 247 amu → 137 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

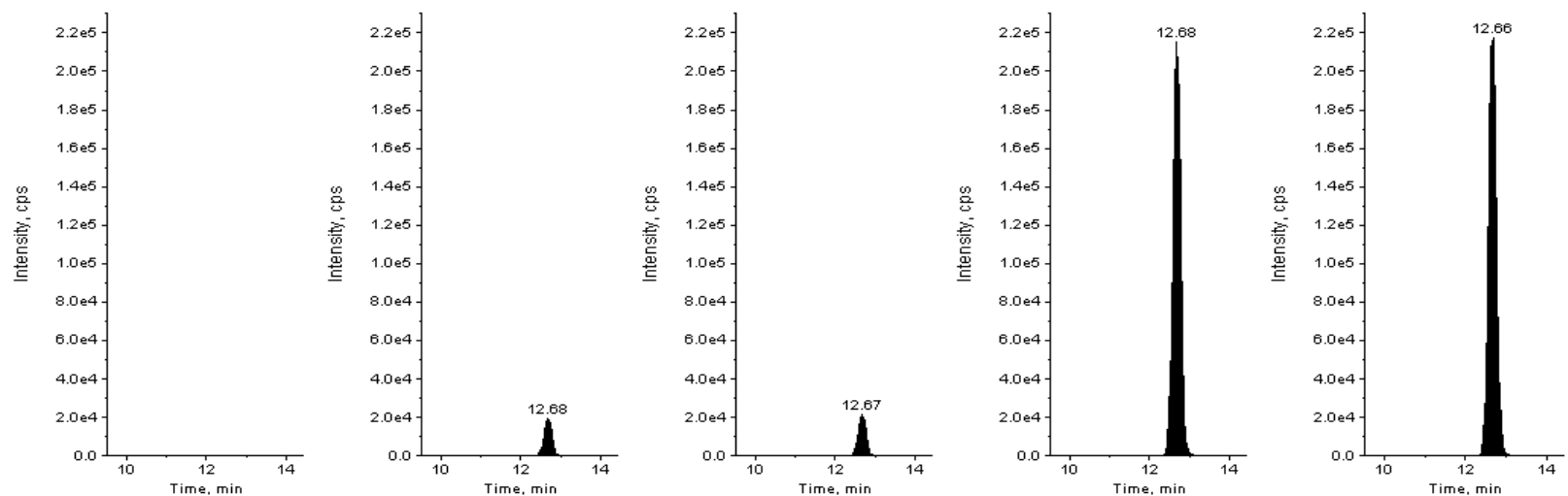


Figure: First MRM of Fosthiazate: 284 amu $\rightarrow$ 104 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

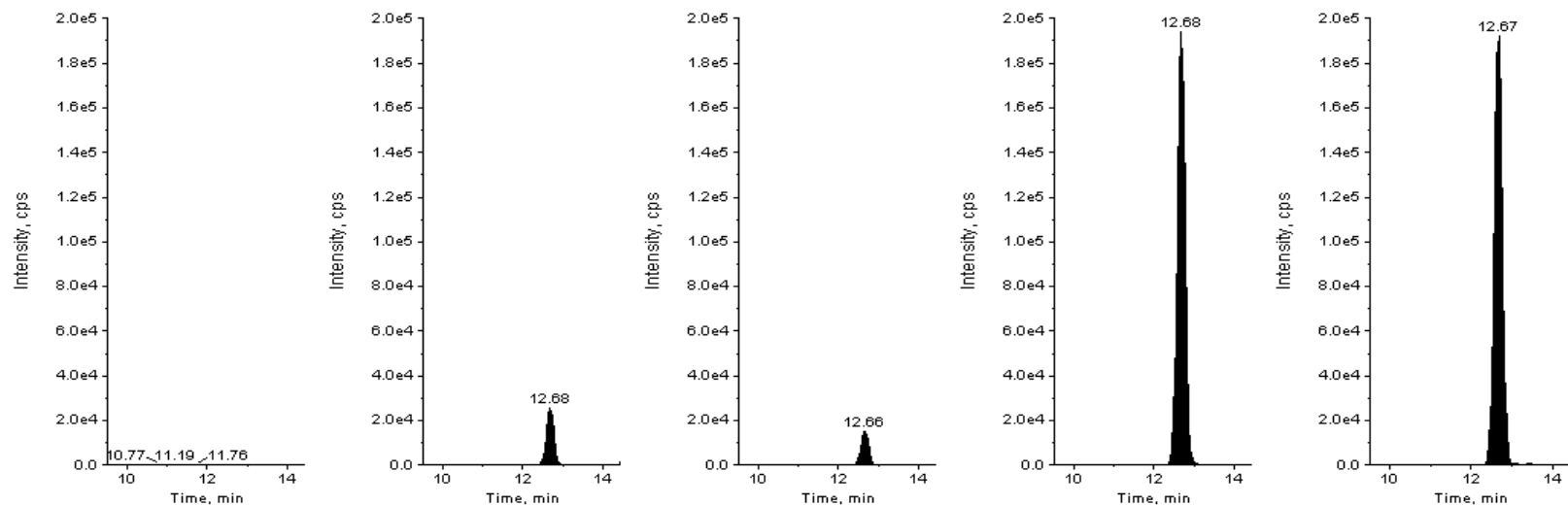


Figure: Second MRM of Fosthiazate: 284 amu $\rightarrow$ 228 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

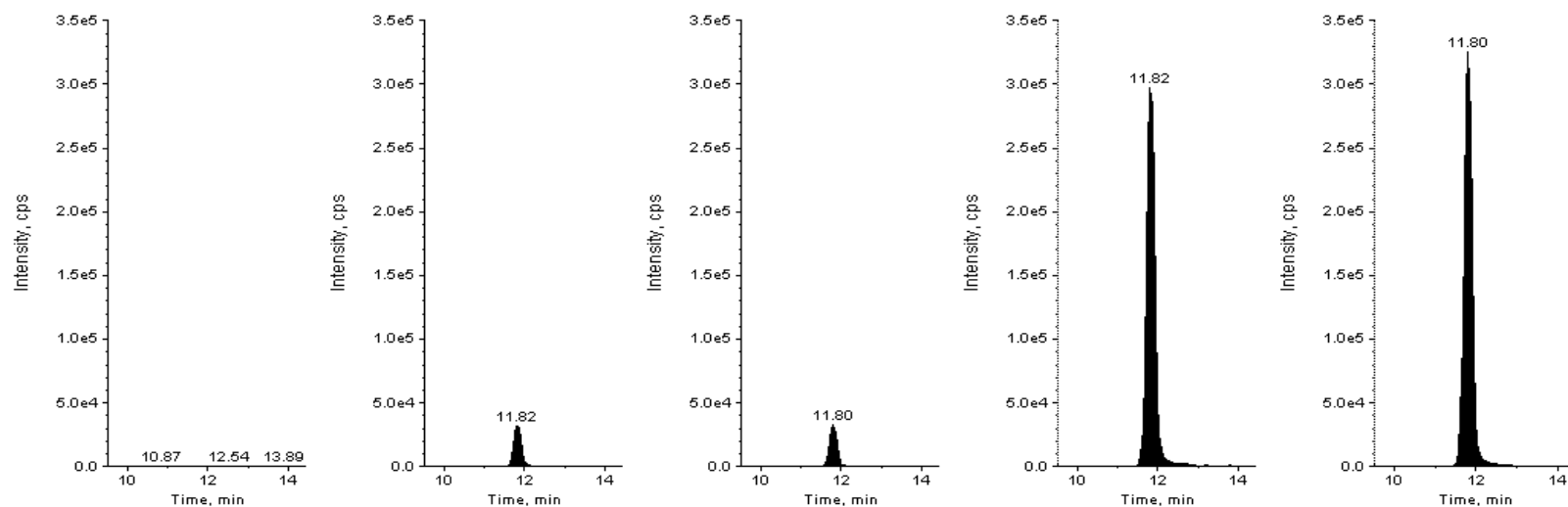


Figure: First MRM of Fuberidazole: 185 amu → 157 amu
(Control sample, standard 0.1µg/L, spiked sample 0.1µg/L, standard 1.0µg/L, spiked sample 1.0µg/L, from left to right)

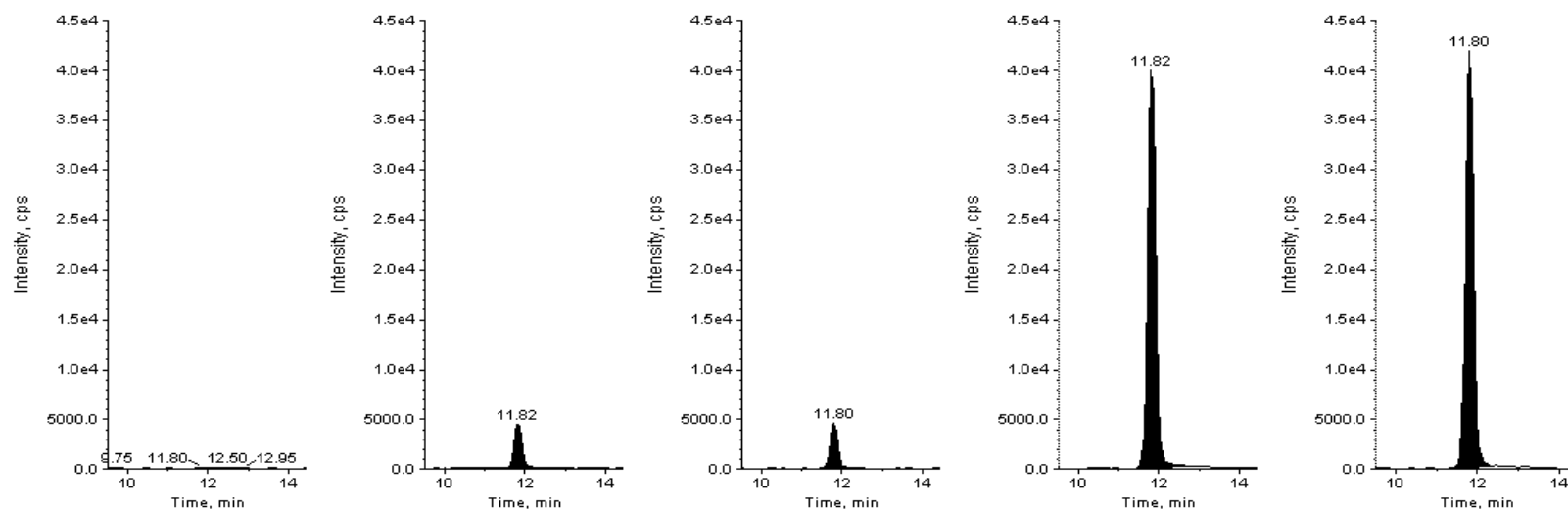


Figure: Second MRM of Fuberidazole: 185 amu → 65 amu
(Control sample, standard 0.1µg/L, spiked sample 0.1µg/L, standard 1.0µg/L, spiked sample 1.0µg/L, from left to right)

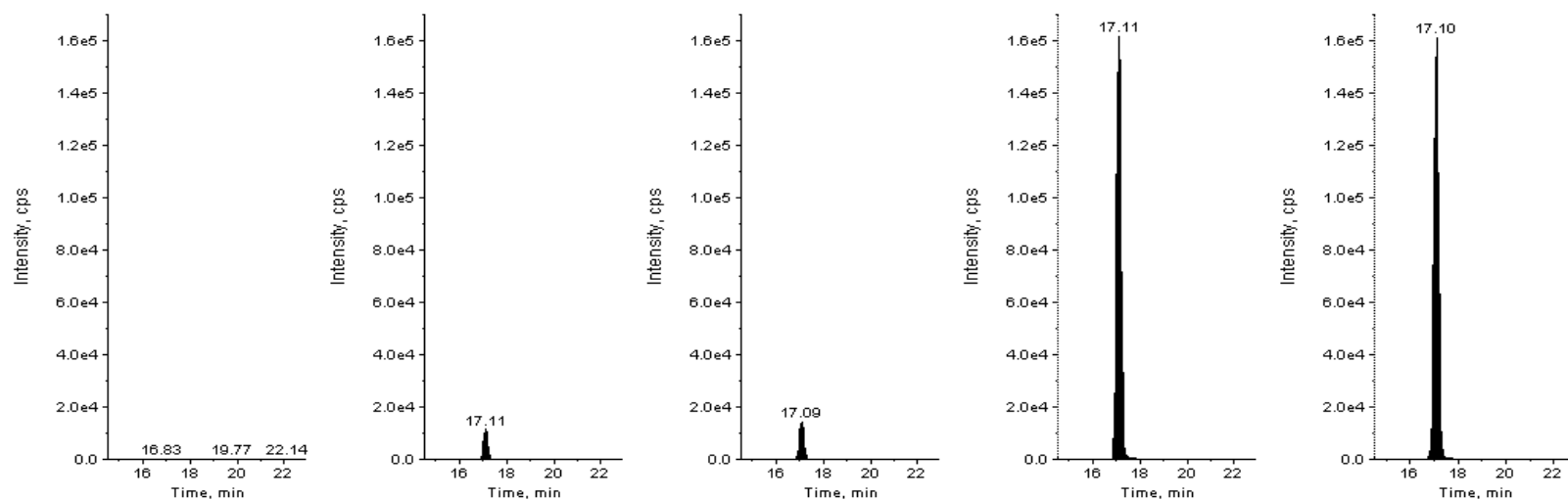


Figure: First MRM of Furathiocarb: 383 amu → 195 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

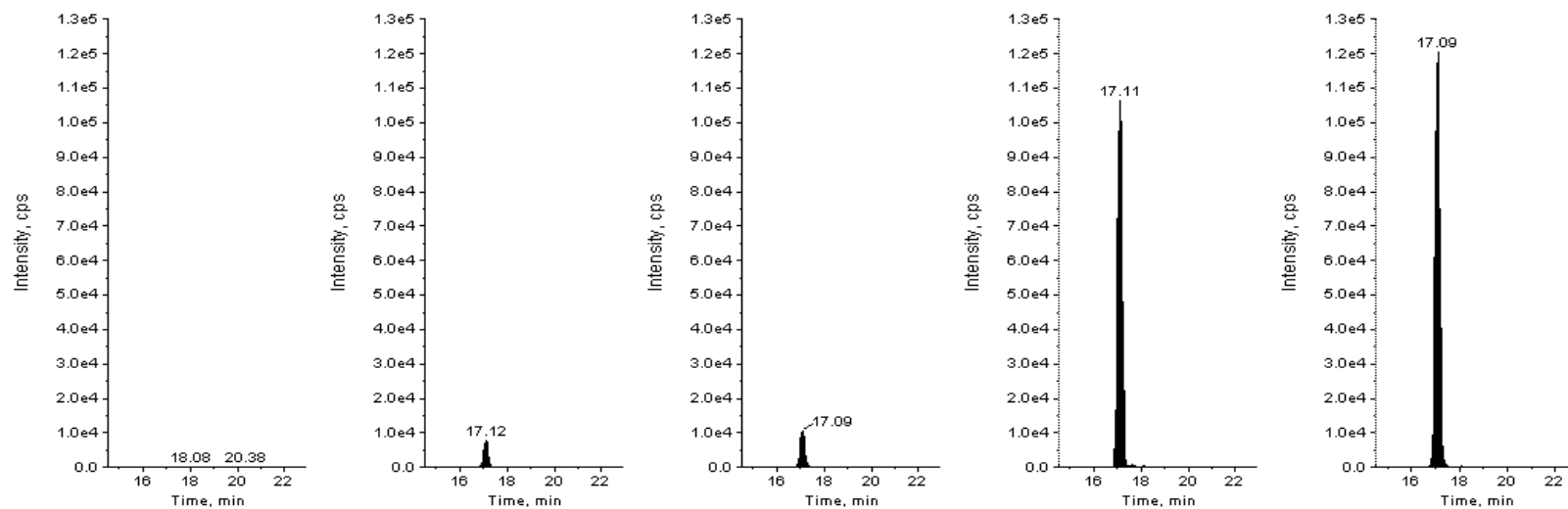


Figure: Second MRM of Furathiocarb: 383 amu → 252 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

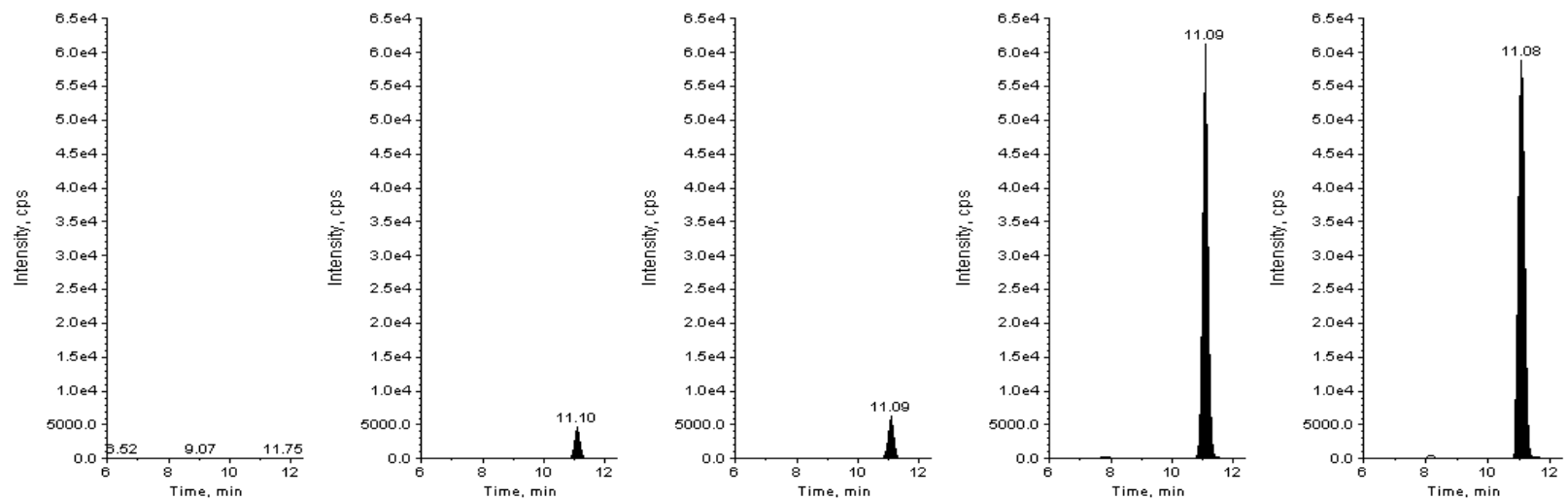


Figure: First MRM of Halosulfuron-methyl: 435 amu → 182 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

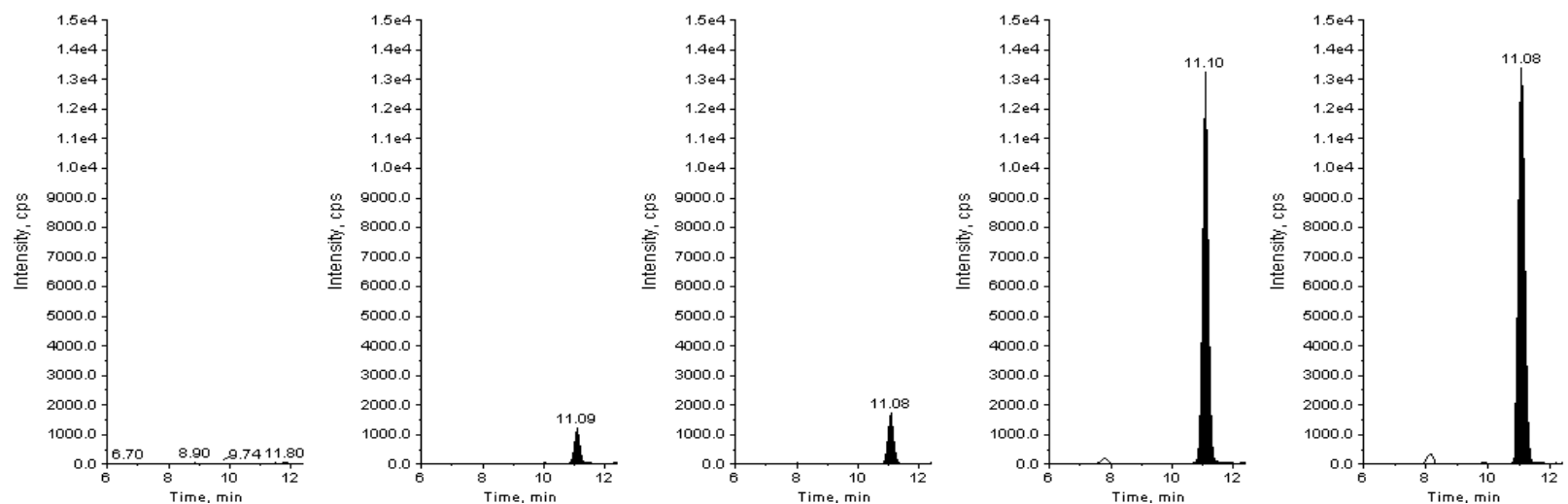


Figure: Second MRM of Halosulfuron-methyl: 435 amu → 83 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

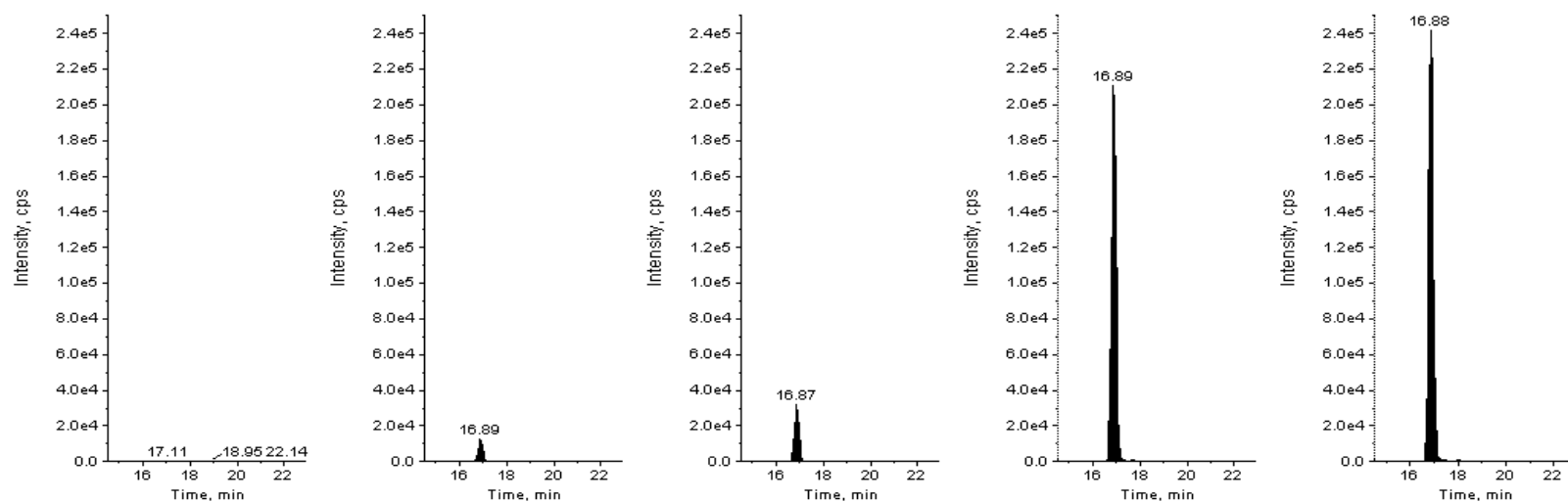


Figure: First MRM of Haloxyfop-etotyl: 434 amu → 316 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

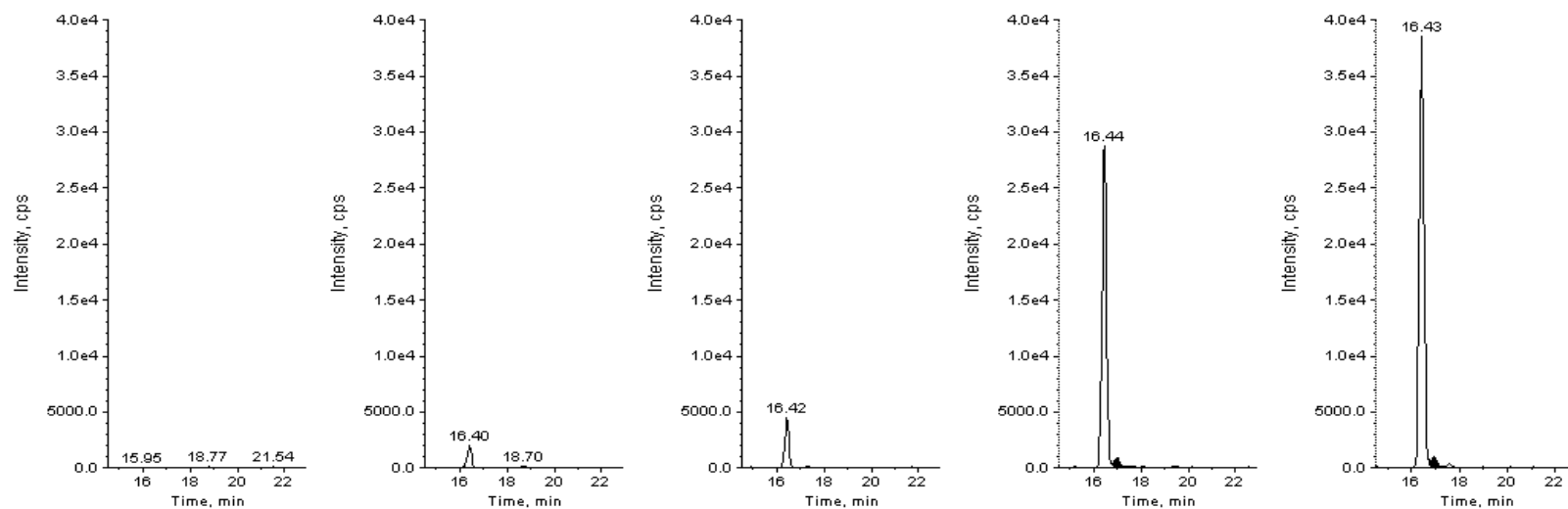


Figure: Second MRM of Haloxyfop-etotyl: 434 amu → 288 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

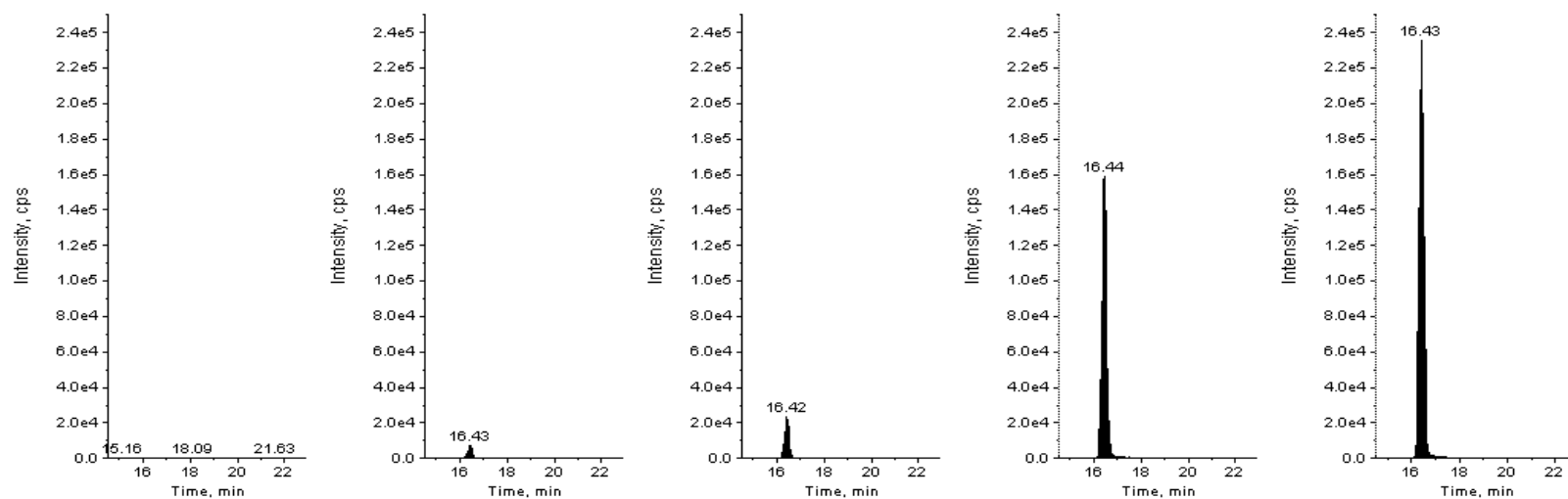


Figure: First MRM of Haloxyfop-P-methyl: 376 amu $\rightarrow$ 316 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

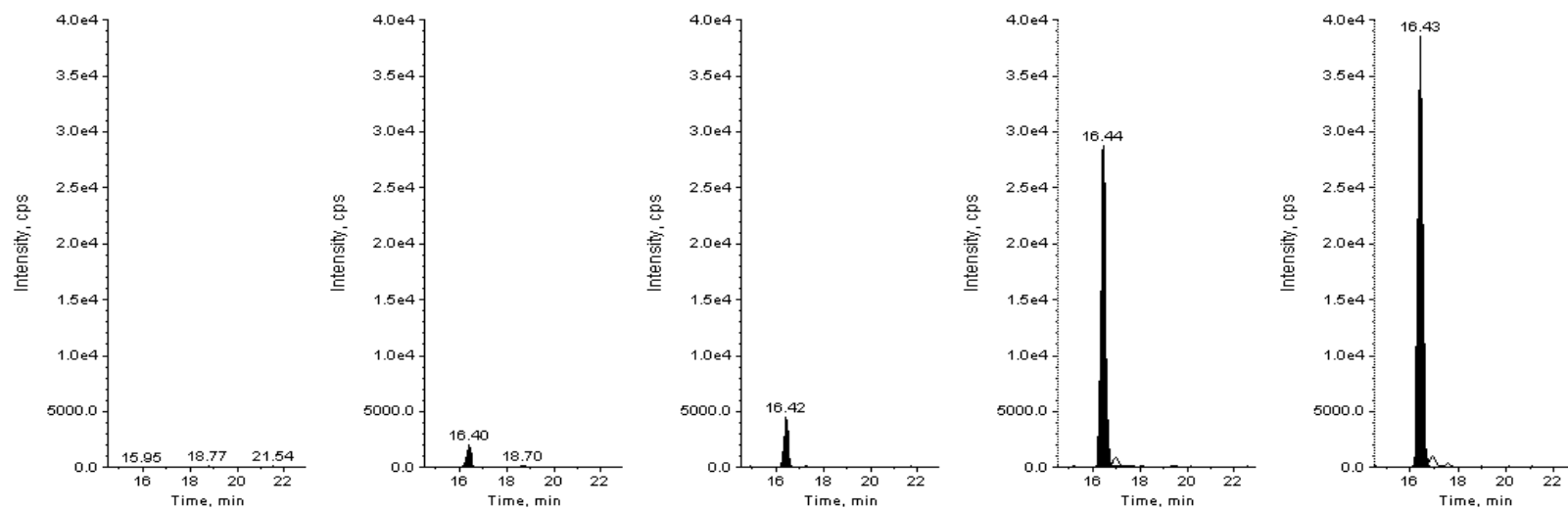


Figure: Second MRM of Haloxyfop-P-methyl: 376 amu $\rightarrow$ 288 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

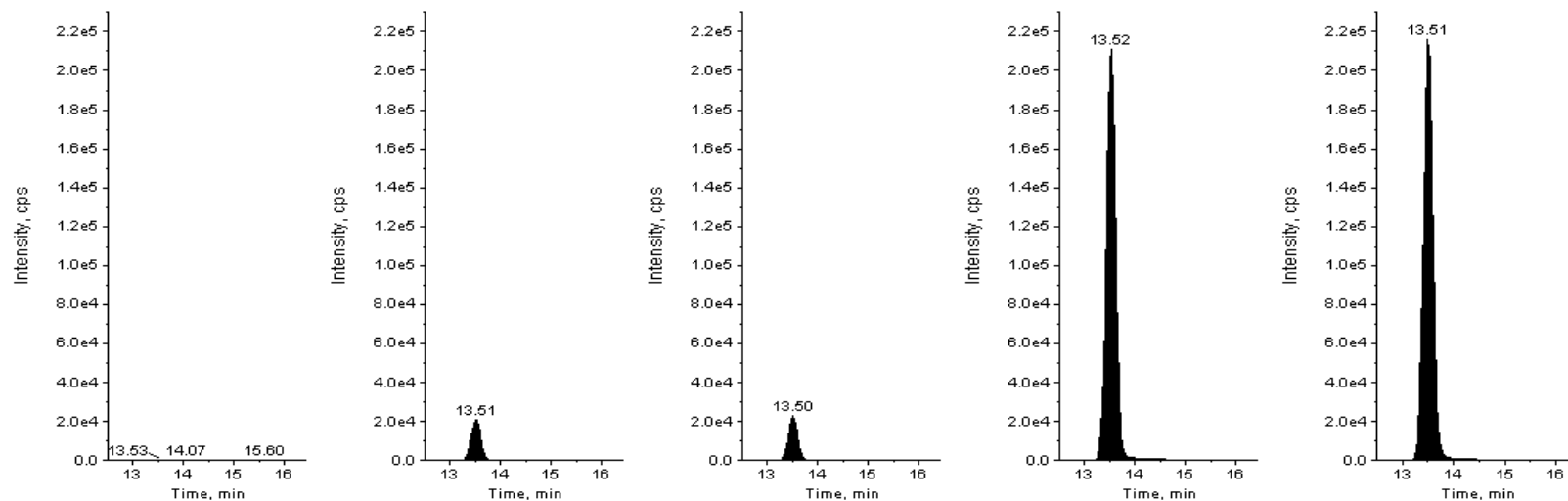


Figure: First MRM of Heptenophos: 251 amu $\rightarrow$ 127 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

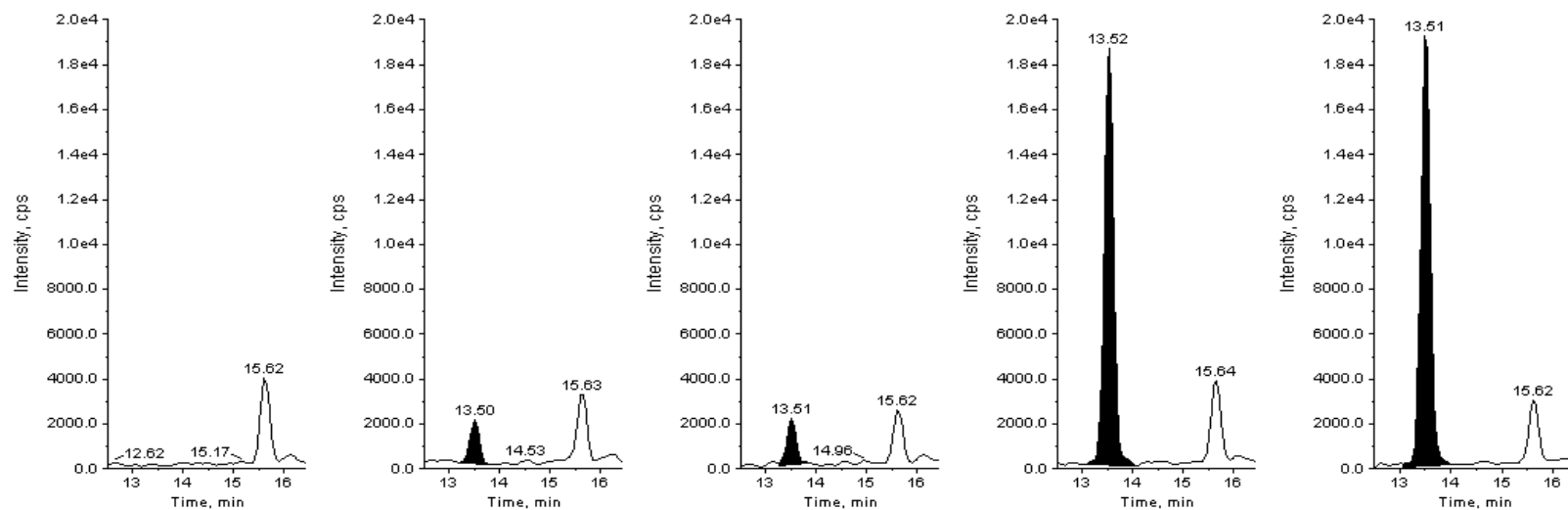


Figure: Second MRM of Heptenophos: 251 amu $\rightarrow$ 109 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

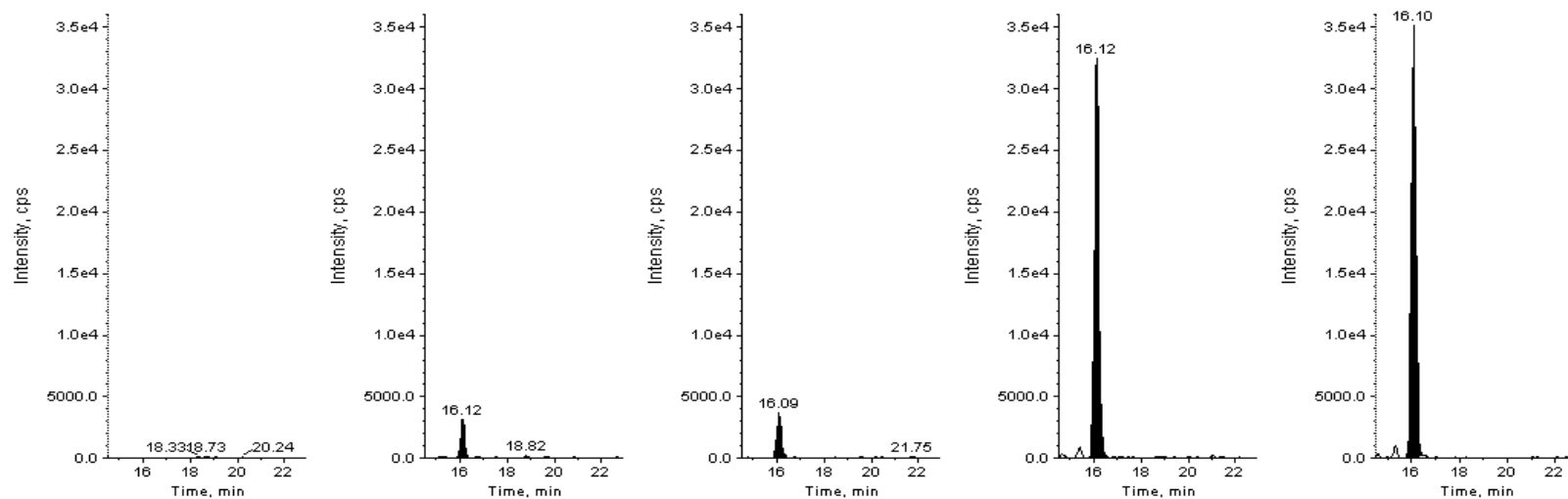


Figure: First MRM of Hexaconazole: 314 amu $\rightarrow$ 70 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

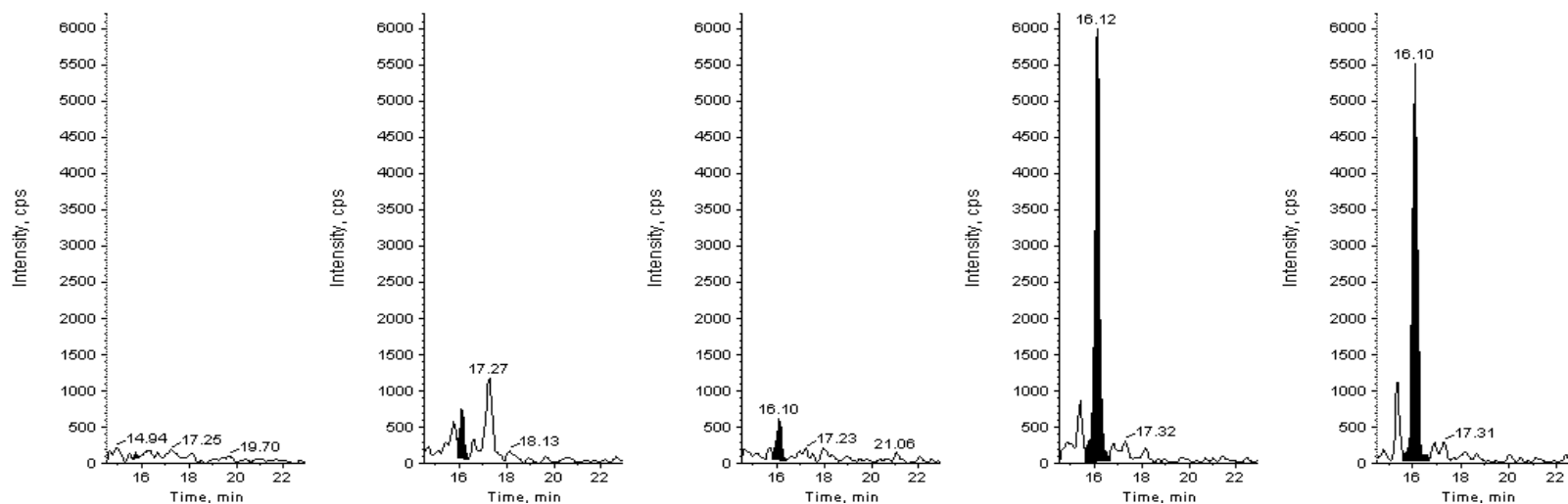


Figure: Second MRM of Hexaconazole: 314 amu $\rightarrow$ 159 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

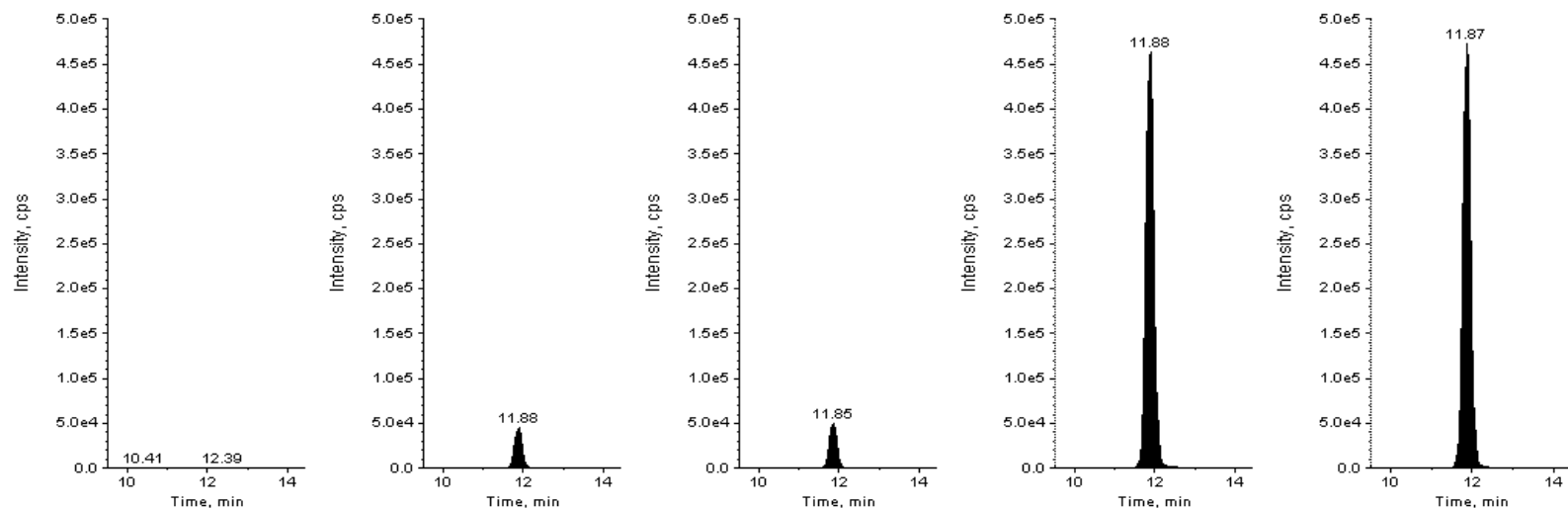


Figure: First MRM of Hexazinone: 253 amu $\rightarrow$ 171 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

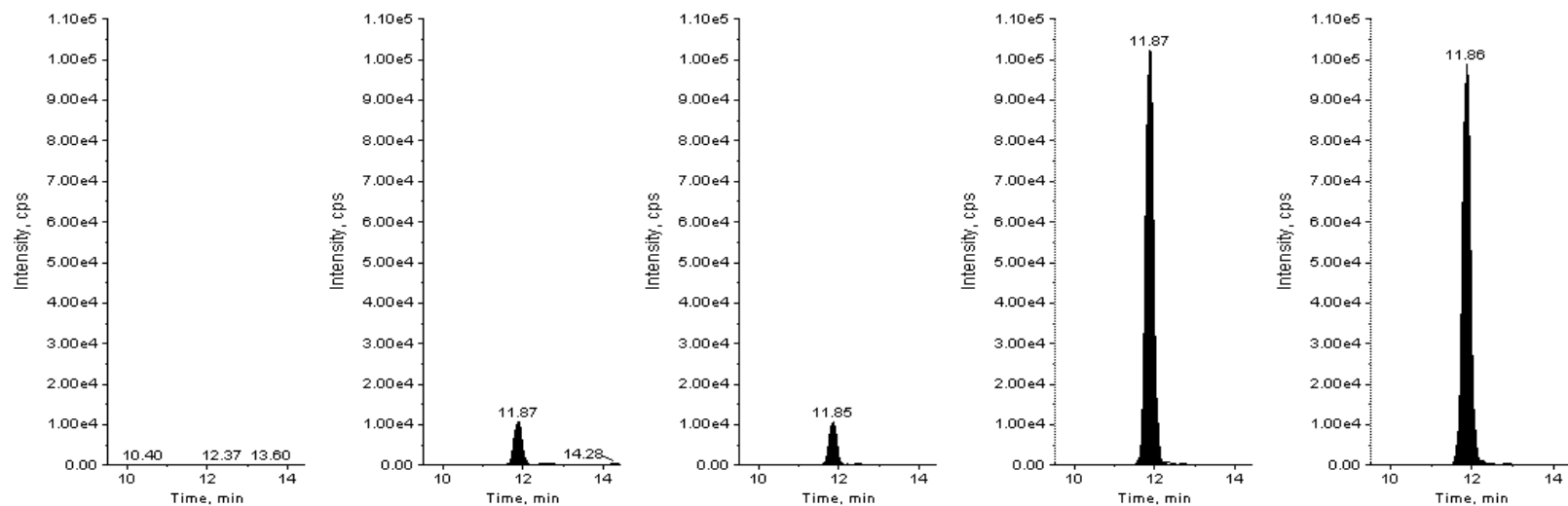


Figure: Second MRM of Hexazinone: 253 amu $\rightarrow$ 71 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

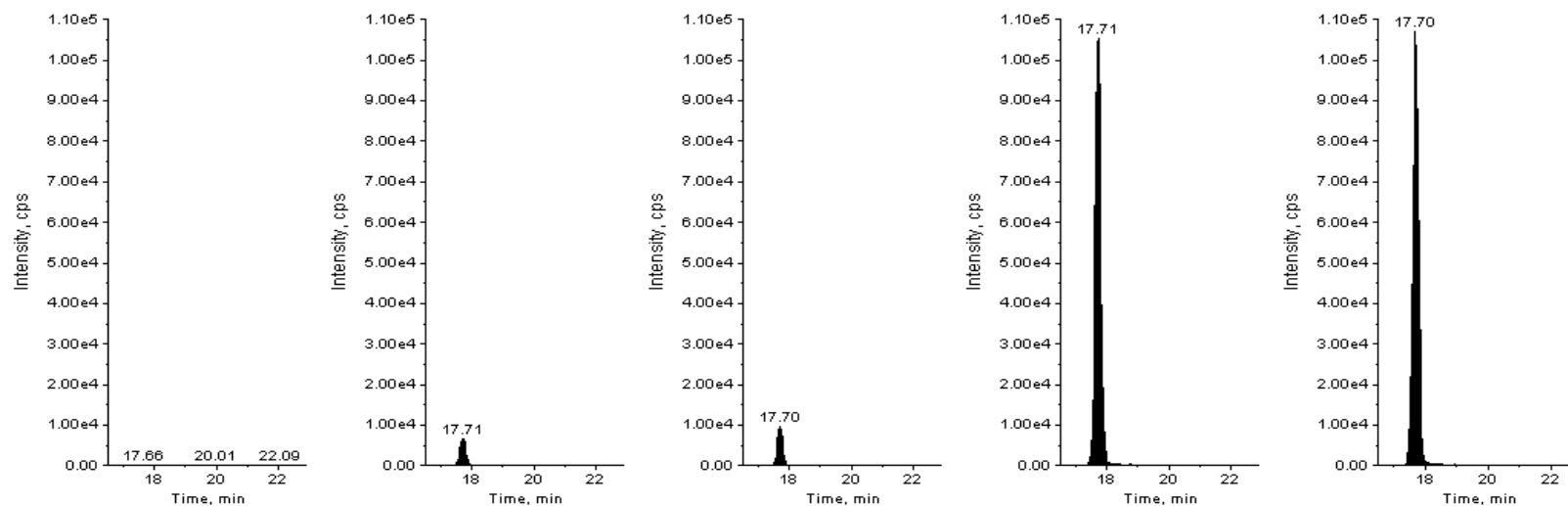


Figure: First MRM of Hexythiazox: 353 amu → 228 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

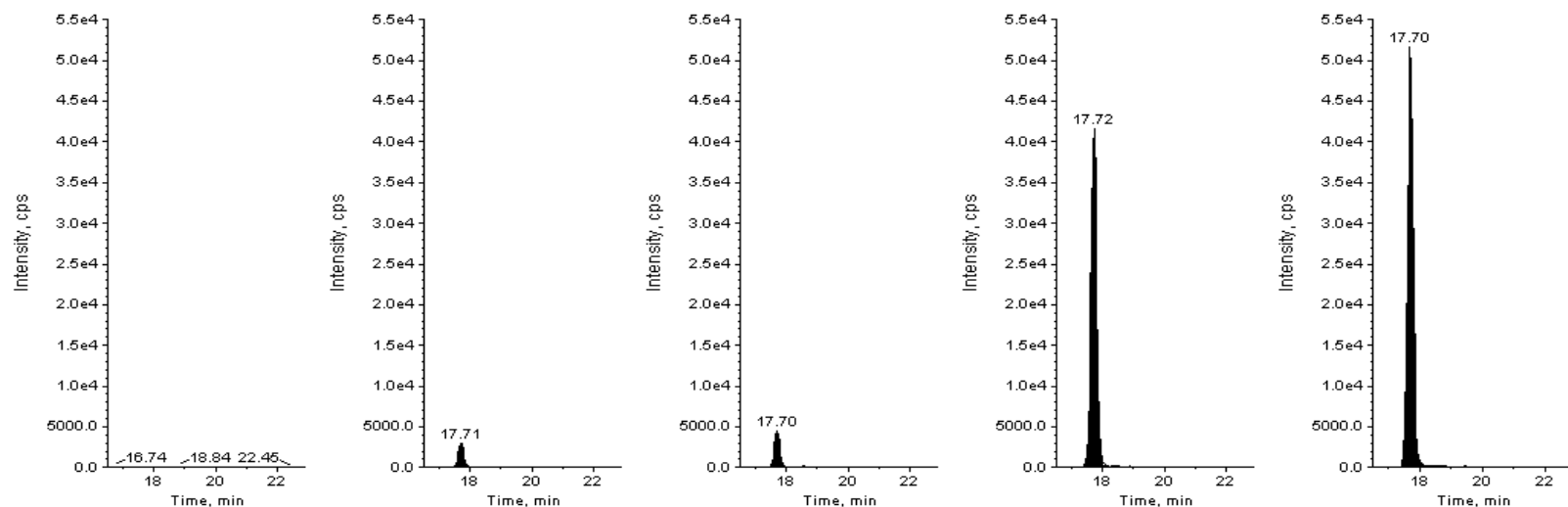


Figure: Second MRM of Hexythiazox: 353 amu → 168 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

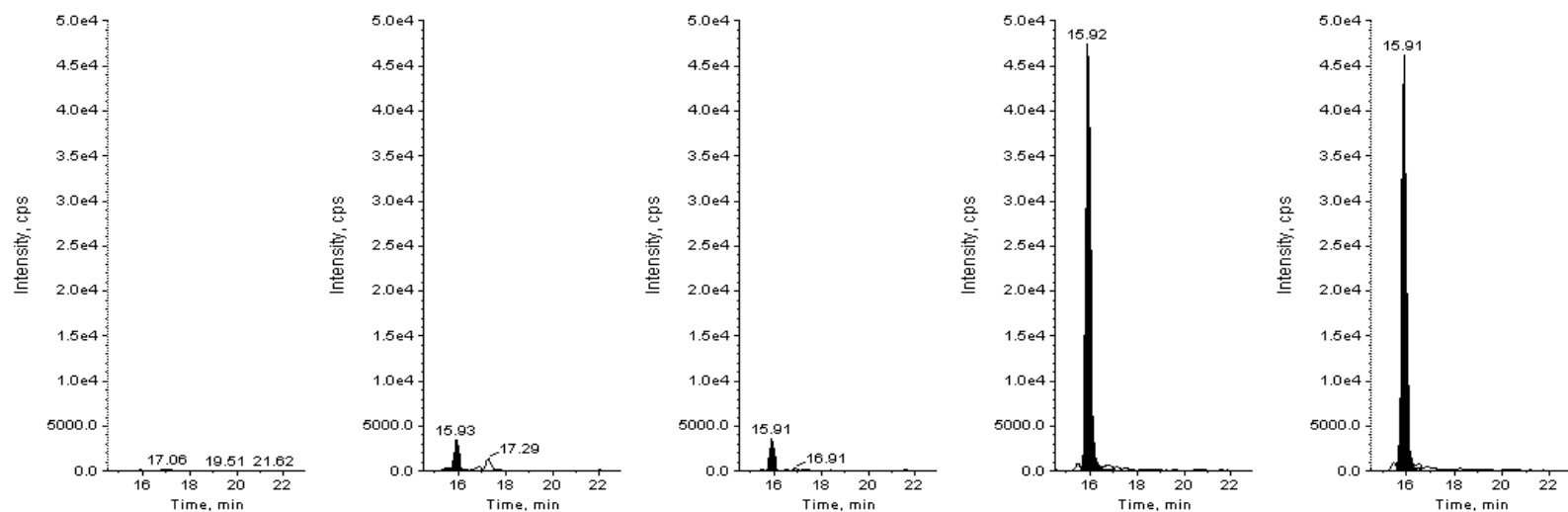


Figure: First MRM of Imazalil: 297 amu → 159 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

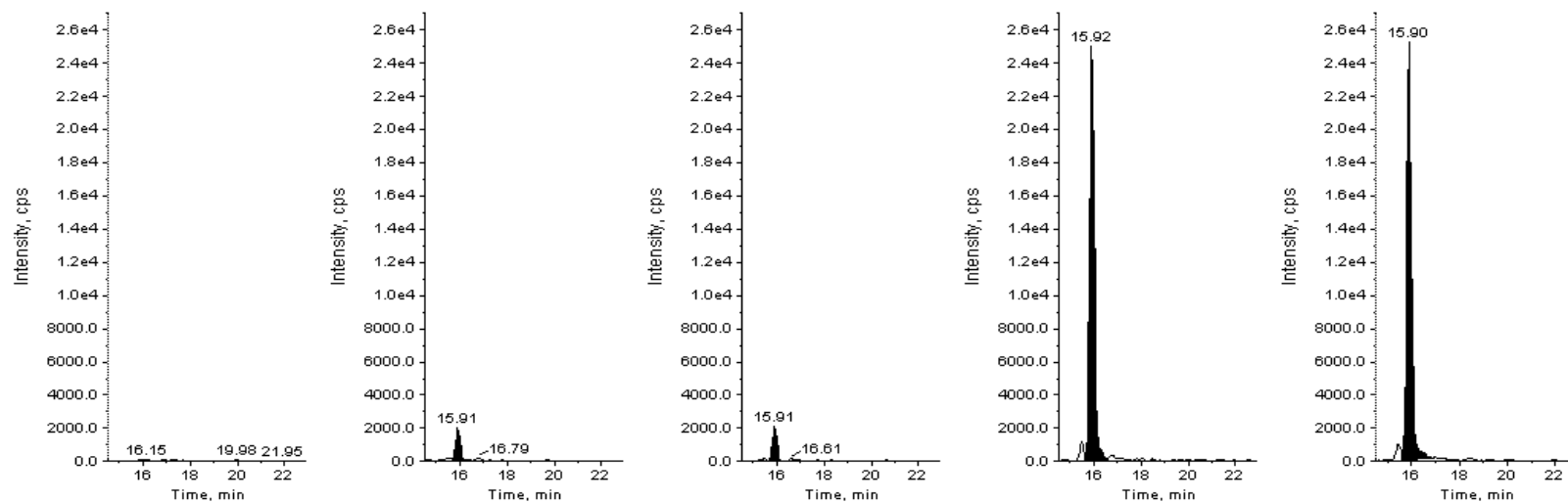


Figure: Second MRM of Imazalil: 297 amu → 201 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

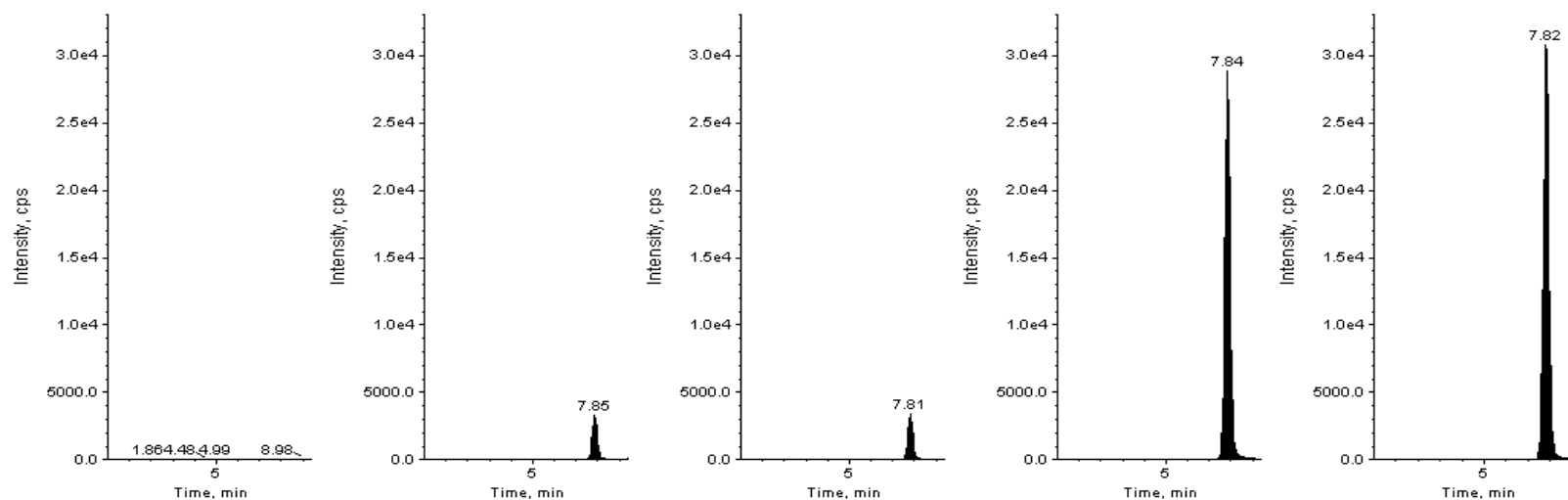


Figure: First MRM of Imidacloprid: 256 amu → 175 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

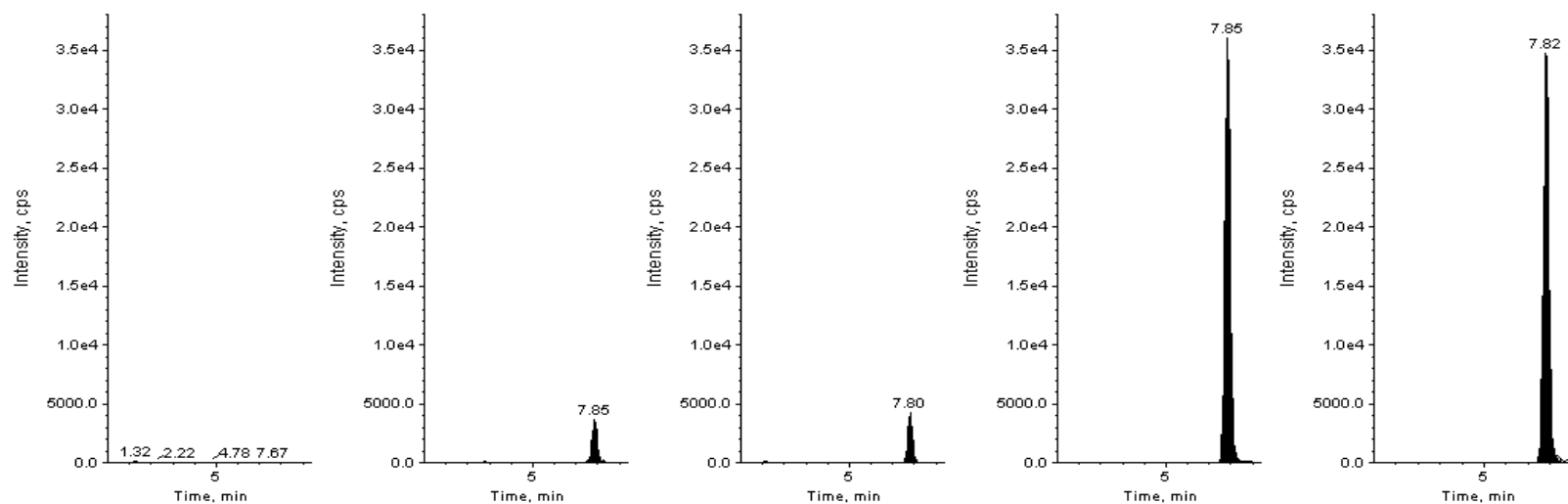


Figure: Second MRM of Imidacloprid: 256 amu → 209 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

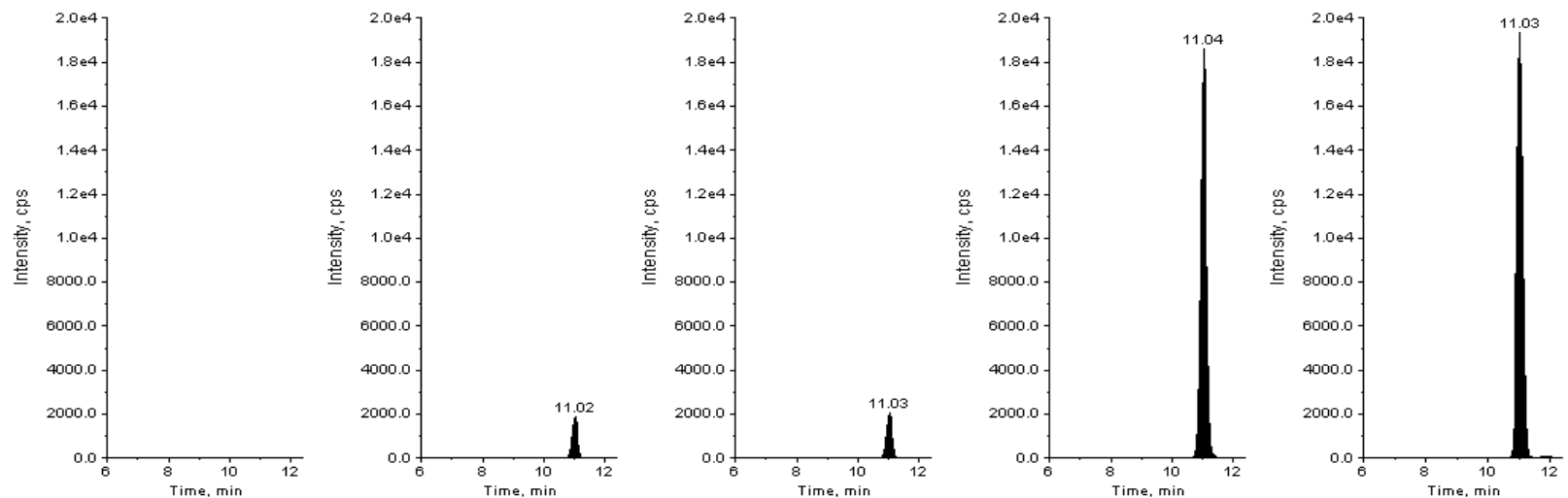


Figure: First MRM of Iodosulfuron-methyl: 508 amu → 167 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

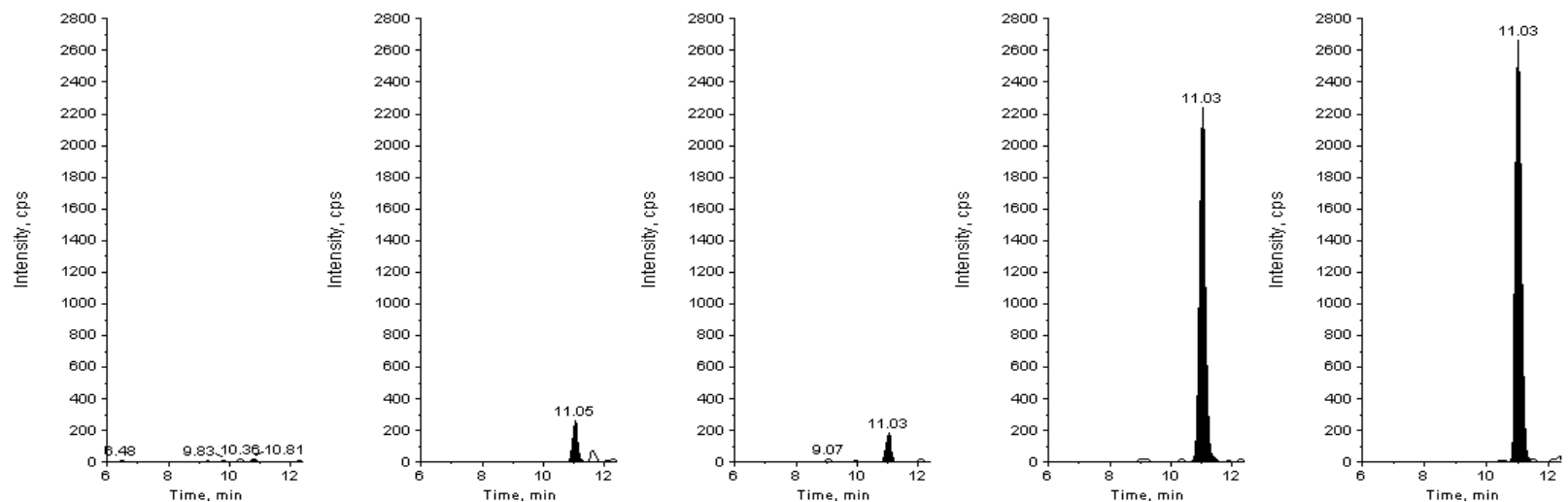


Figure: Second MRM of Iodosulfuron-methyl: 508 amu → 141 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

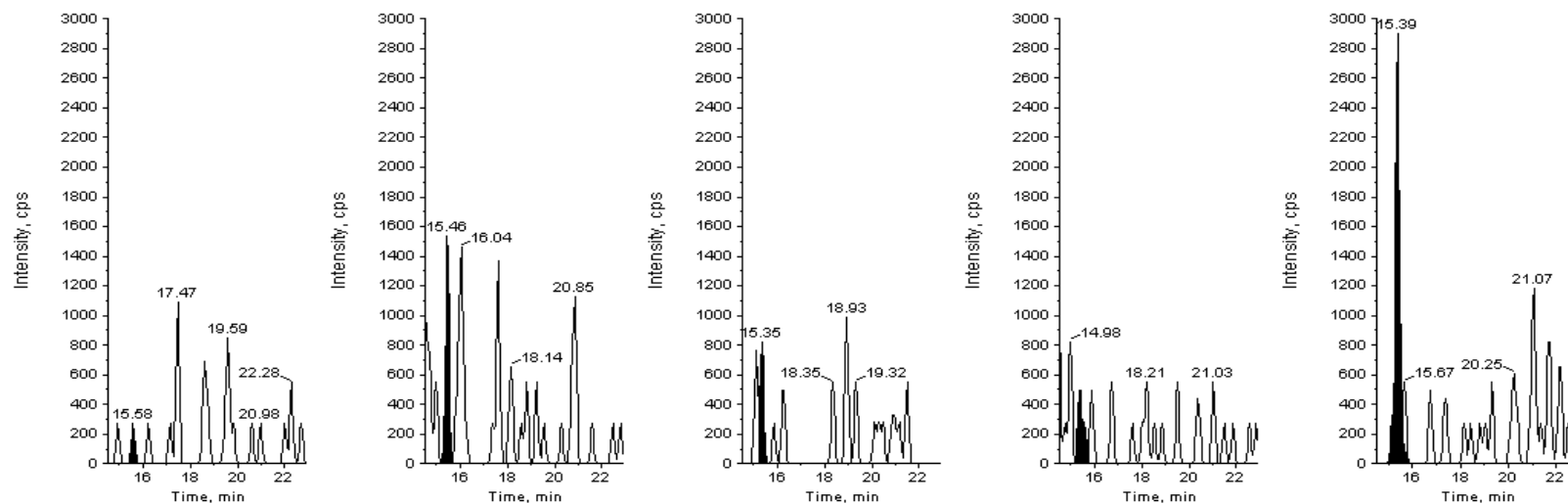


Figure: First MRM of Iprodione: 330 amu → 101 amu
(Control sample, standard 0.1µg/L, spiked sample 0.1µg/L, standard 1.0µg/L, spiked sample 1.0µg/L, from left to right)

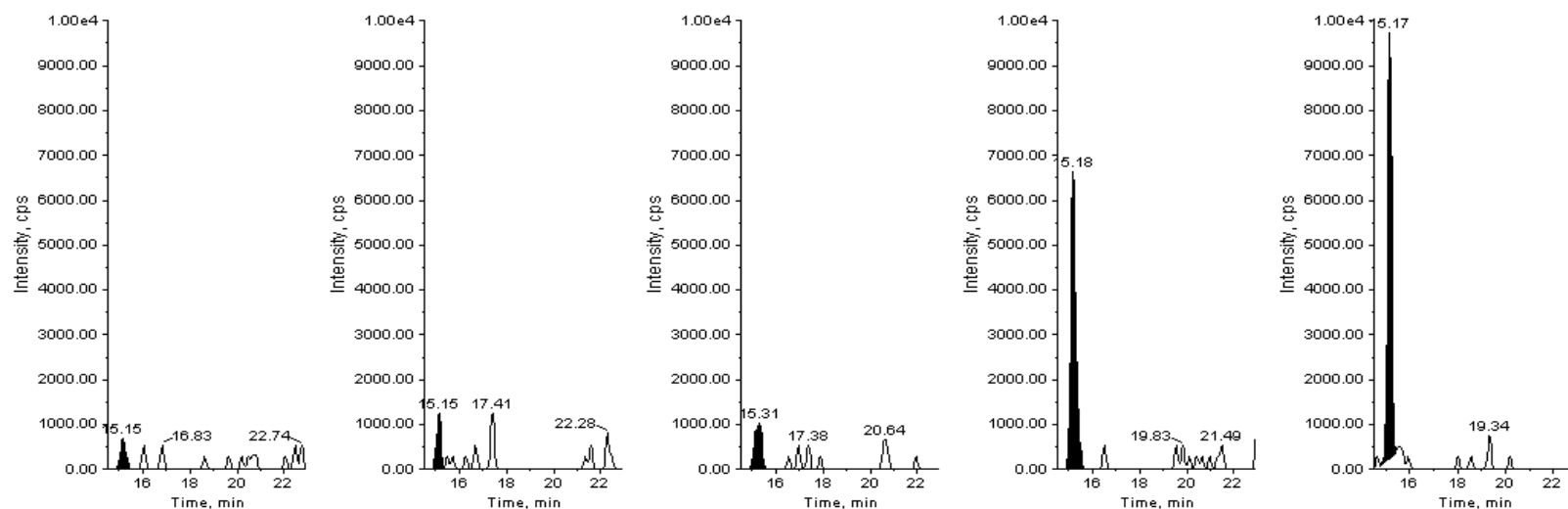


Figure: Second MRM of Iprodione: 330 amu → 143 amu
(Control sample, standard 0.1µg/L, spiked sample 0.1µg/L, standard 1.0µg/L, spiked sample 1.0µg/L, from left to right)

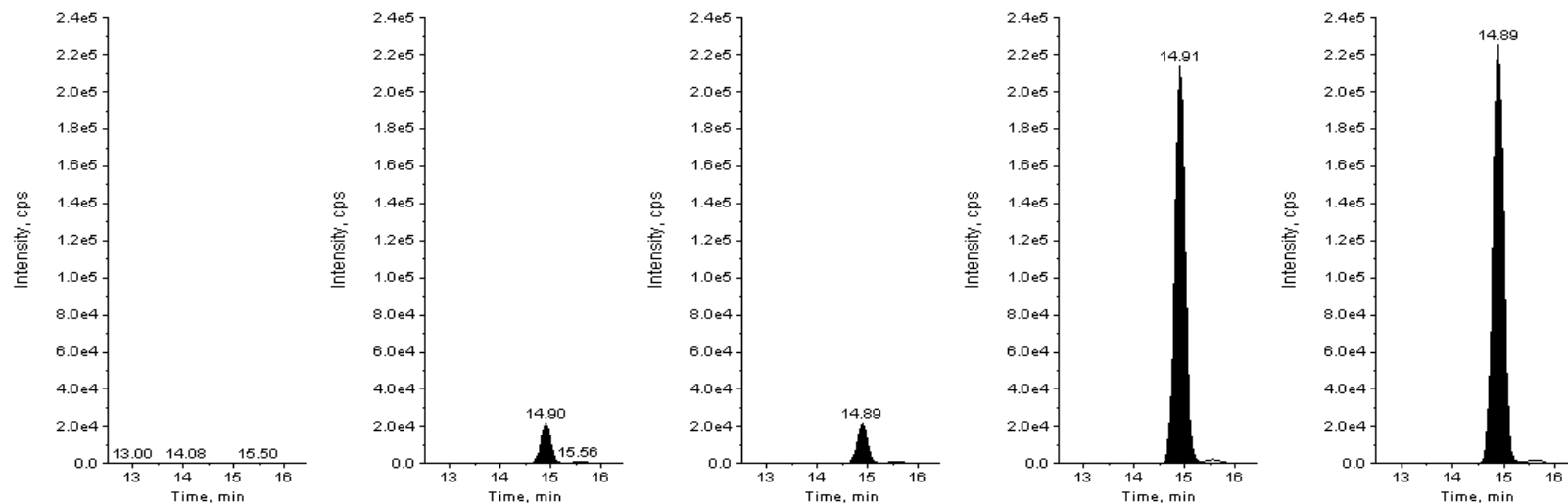


Figure: First MRM of Iprovalicarb: 321 amu $\rightarrow$ 119 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

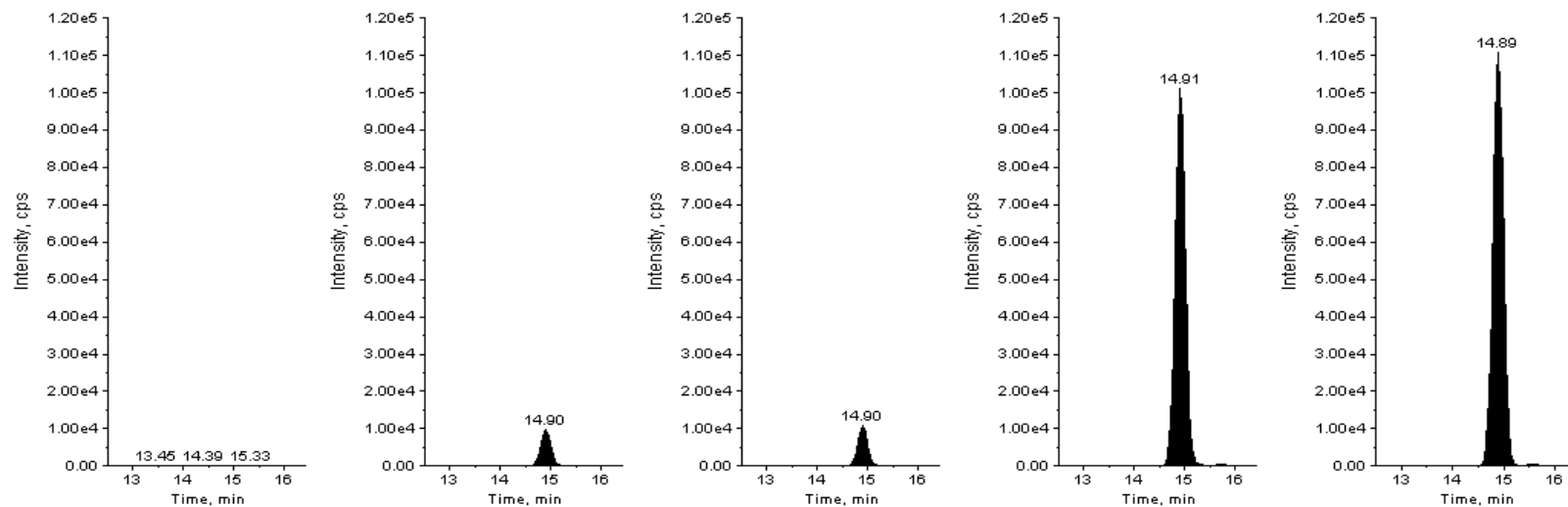


Figure: Second MRM of Iprovalicarb: 321 amu $\rightarrow$ 203 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

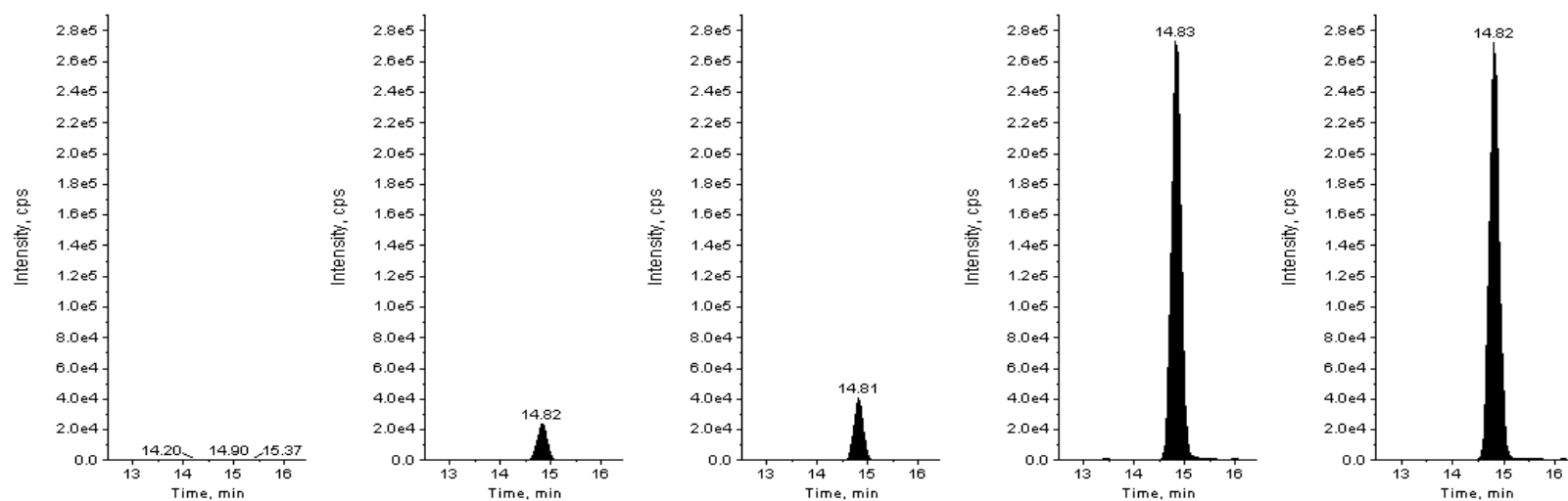


Figure: First MRM of Isazofos: 314 amu → 120 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

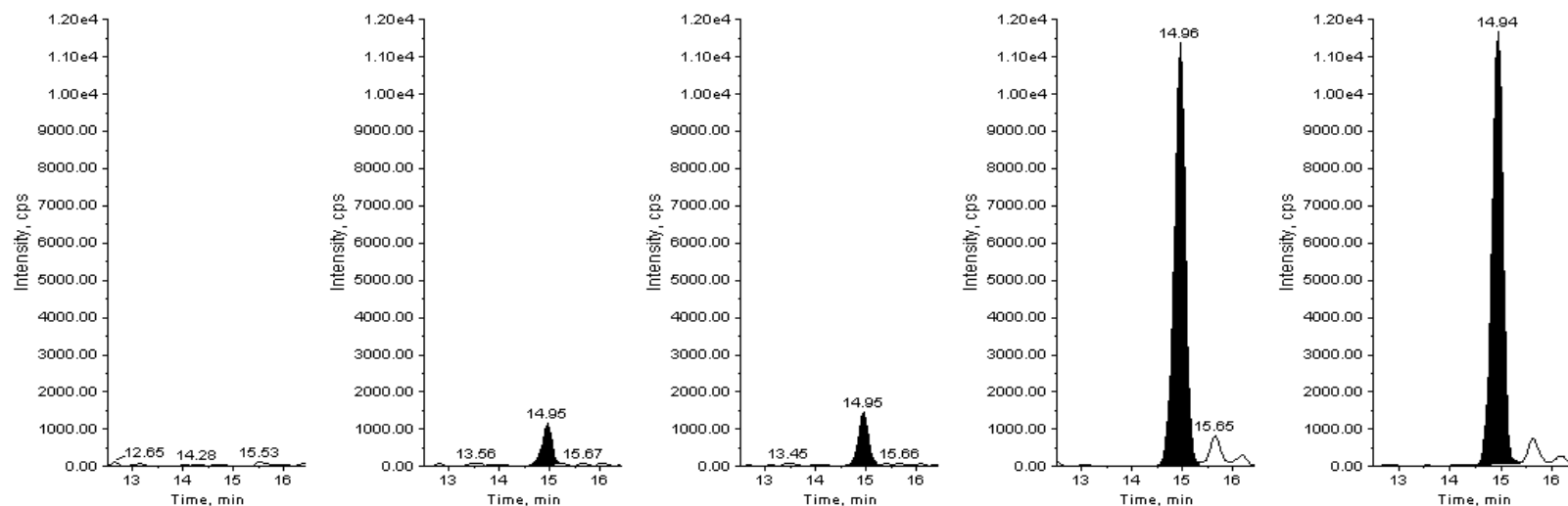


Figure: Second MRM of Isazofos: 314 amu → 162 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

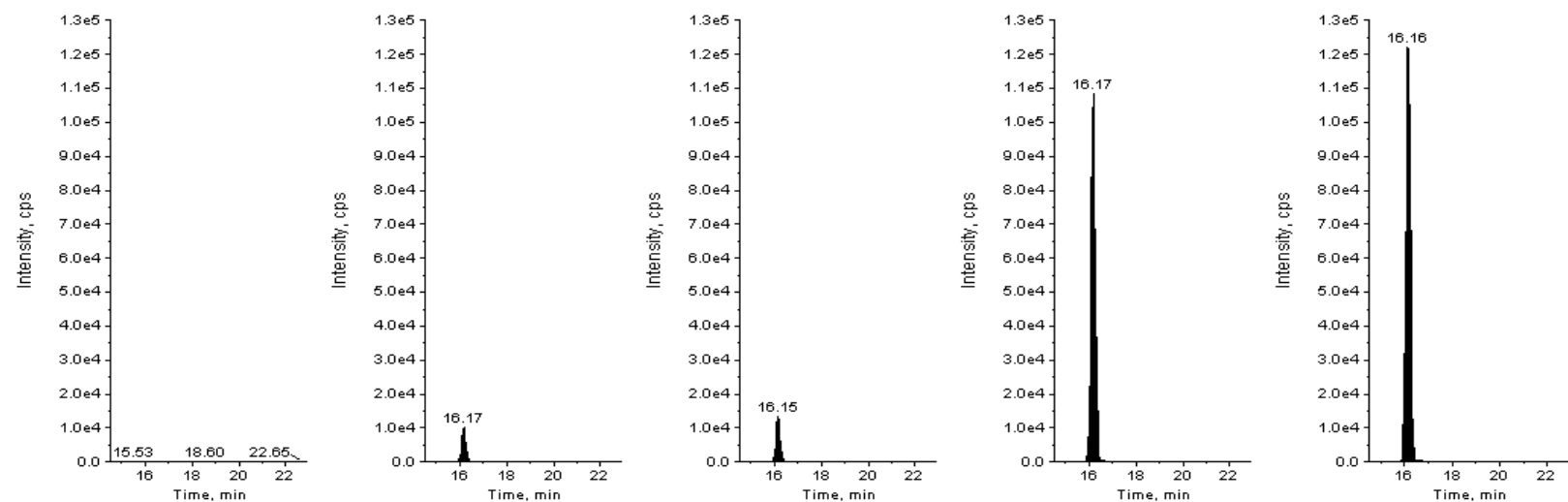


Figure: First MRM of Isofenphos: 346 amu → 217 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

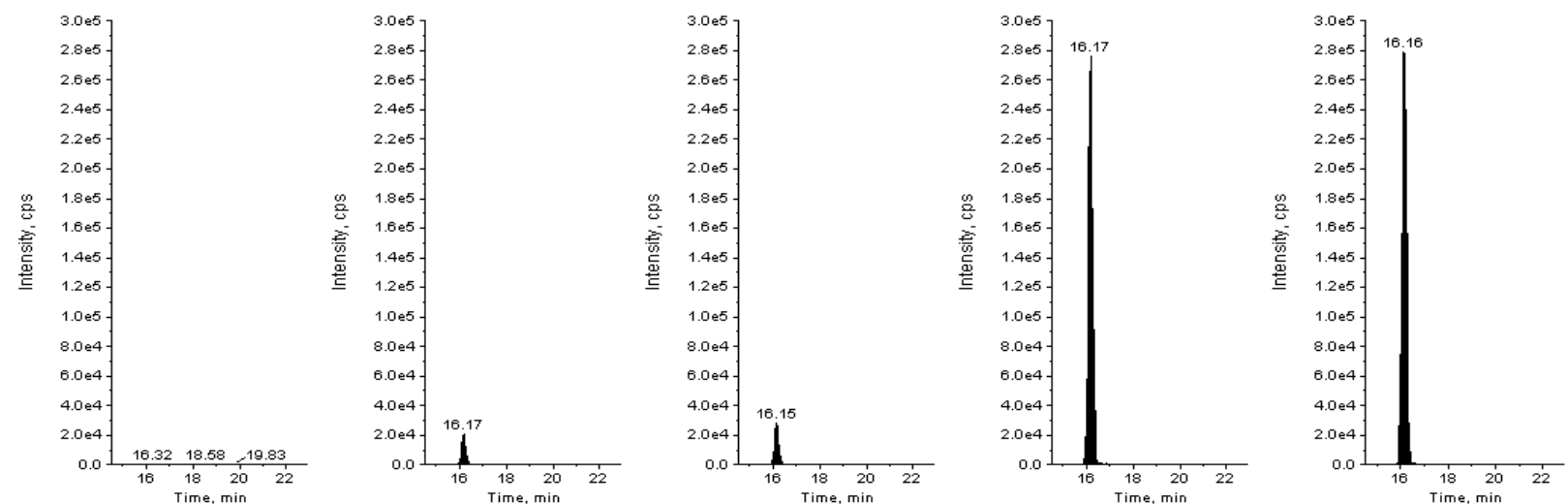


Figure: Second MRM of Isofenphos: 346 amu → 245 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

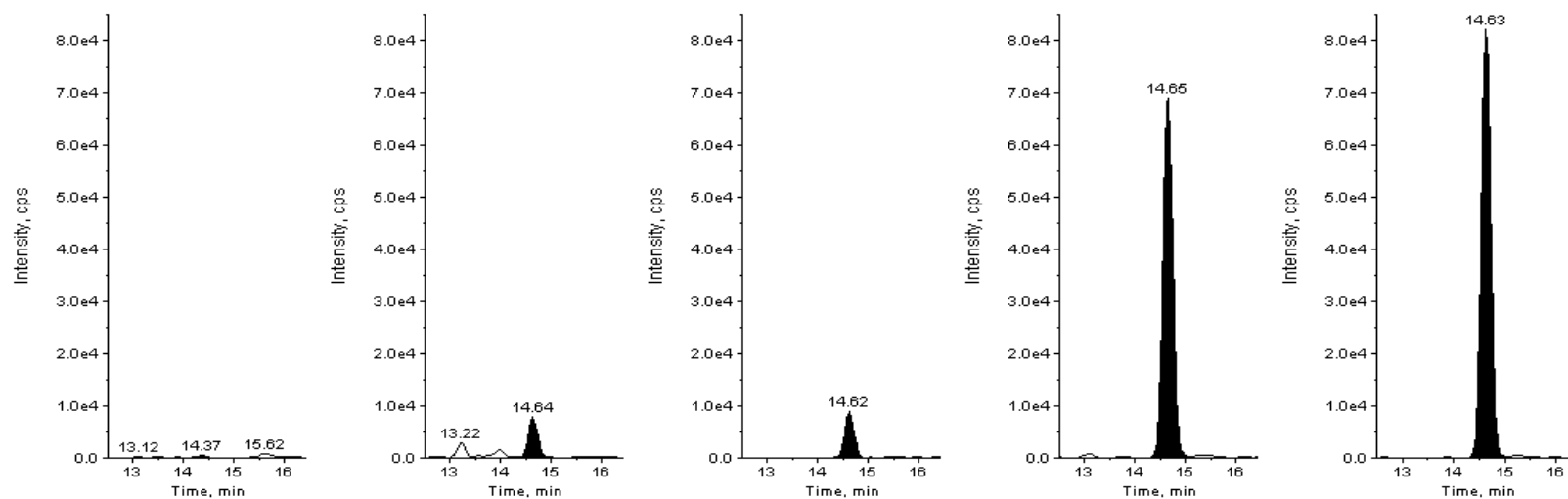


Figure: First MRM of Isoprothiolane: 291 amu $\rightarrow$ 231 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

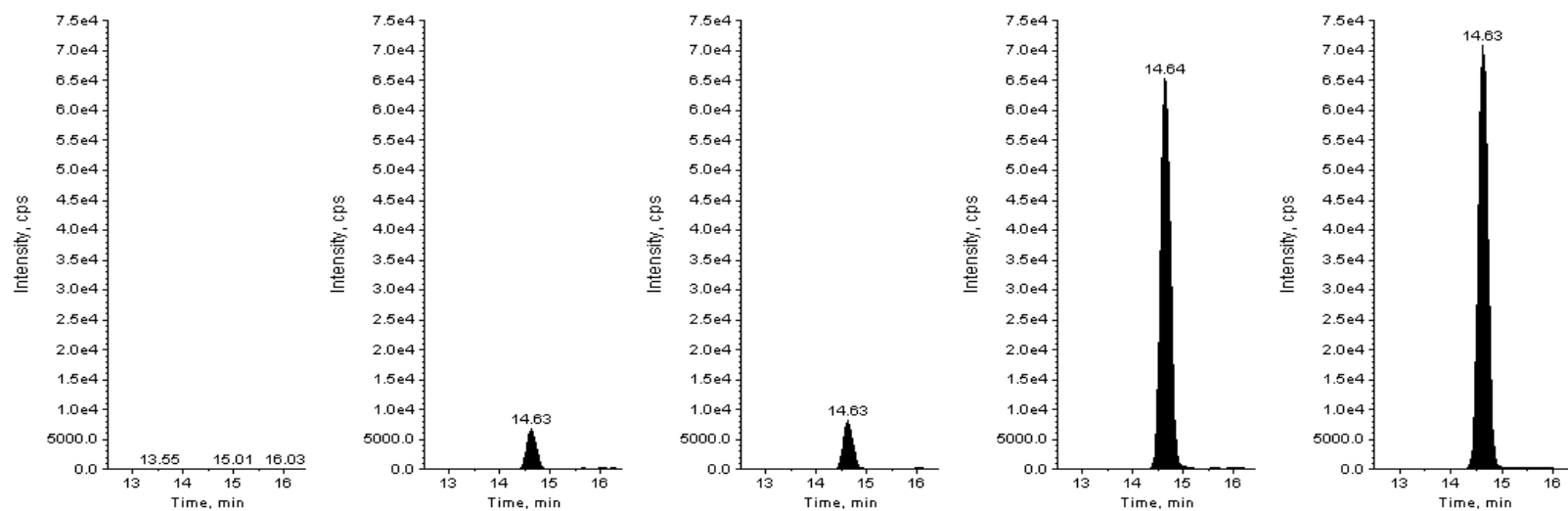


Figure: Second MRM of Isoprothiolane: 291 amu $\rightarrow$ 189 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

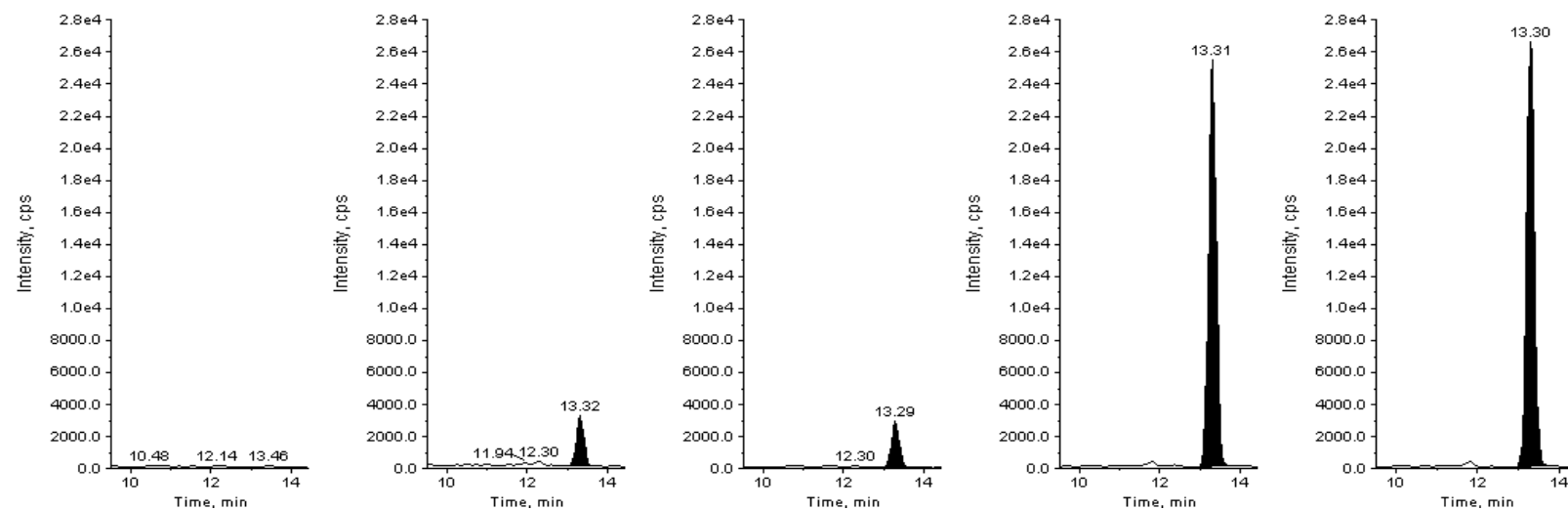


Figure: First MRM of Isoproturon: 207 amu → 165 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

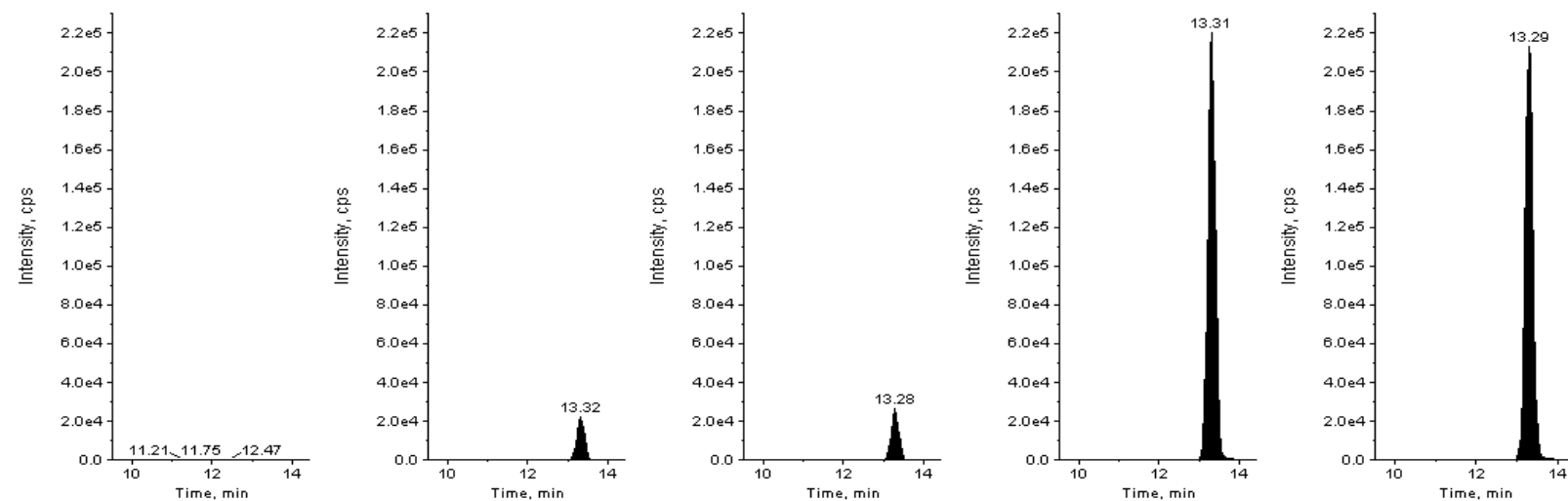


Figure: Second MRM of Isoproturon: 207 amu → 72 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

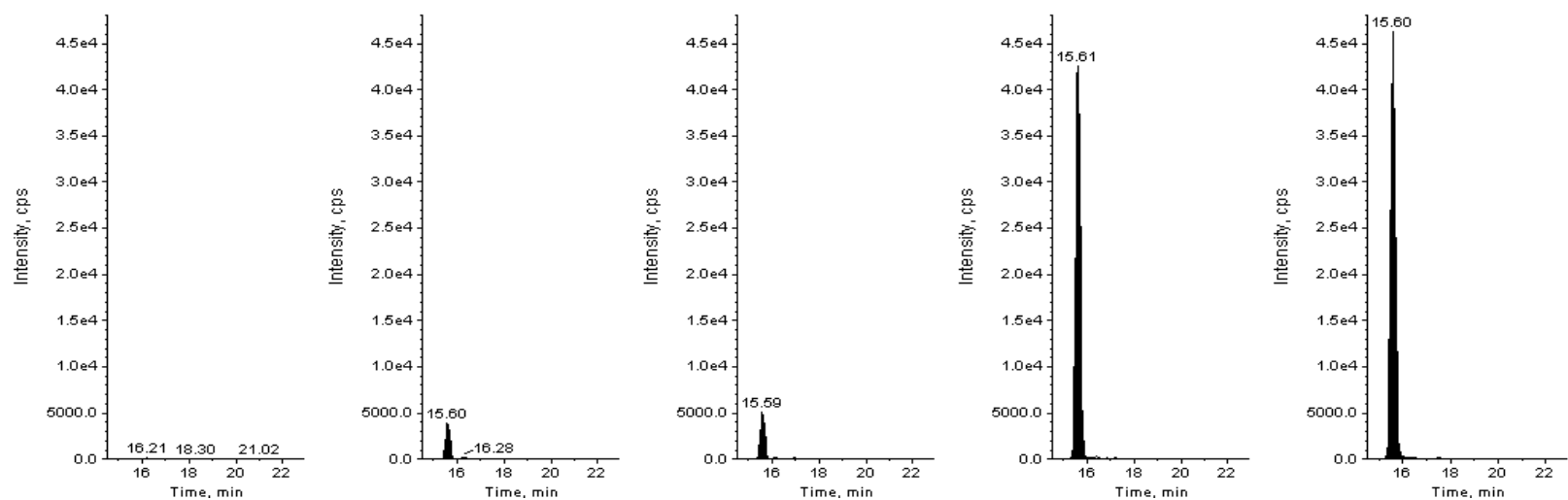


Figure: First MRM of Isoxadifen-ethyl: 313 amu $\rightarrow$ 232 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

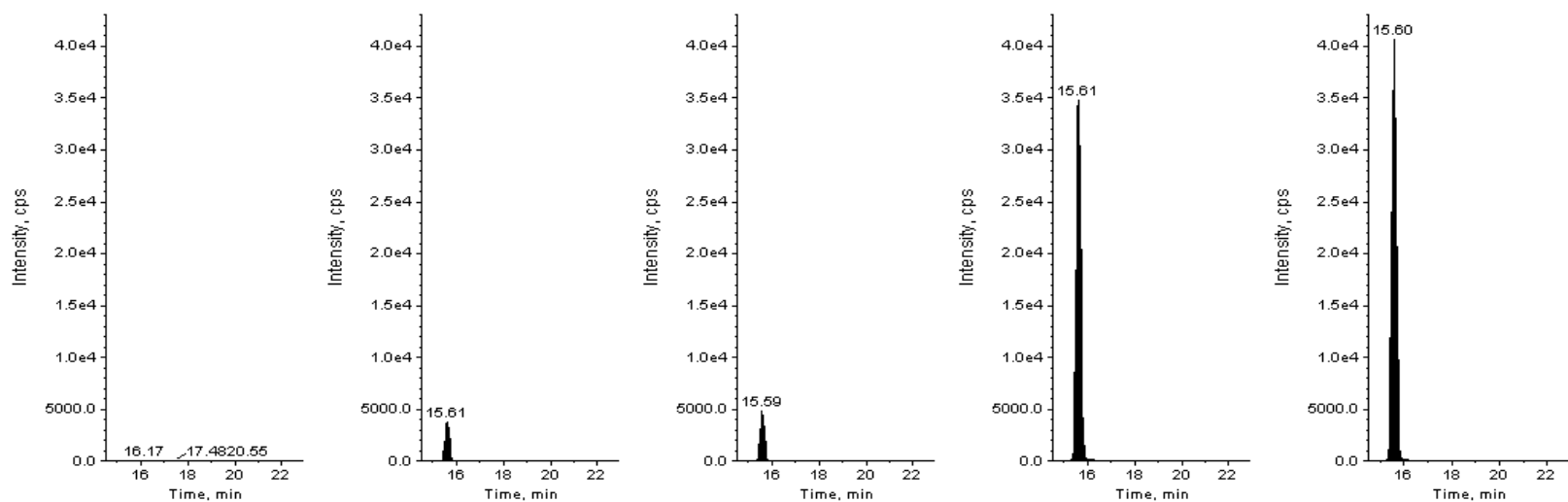


Figure: Second MRM of Isoxadifen-ethyl: 313 amu $\rightarrow$ 204 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

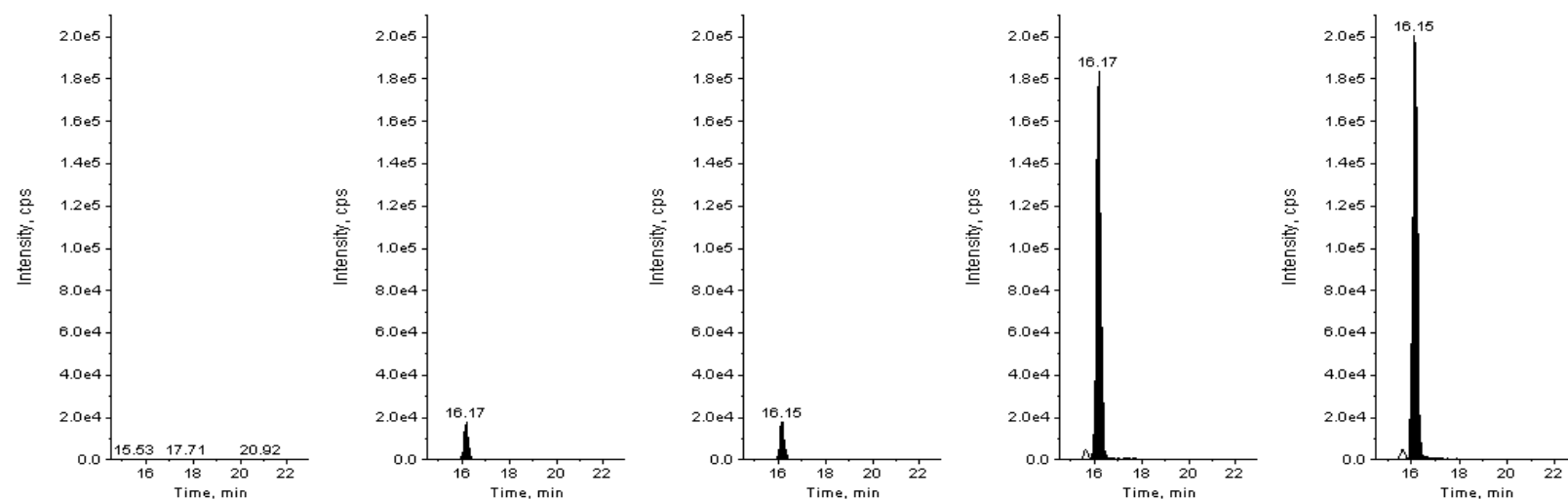


Figure: First MRM of Isoxathion: 314 amu → 105 amu
(Control sample, standard 0.1µg/L, spiked sample 0.1µg/L, standard 1.0µg/L, spiked sample 1.0µg/L, from left to right)

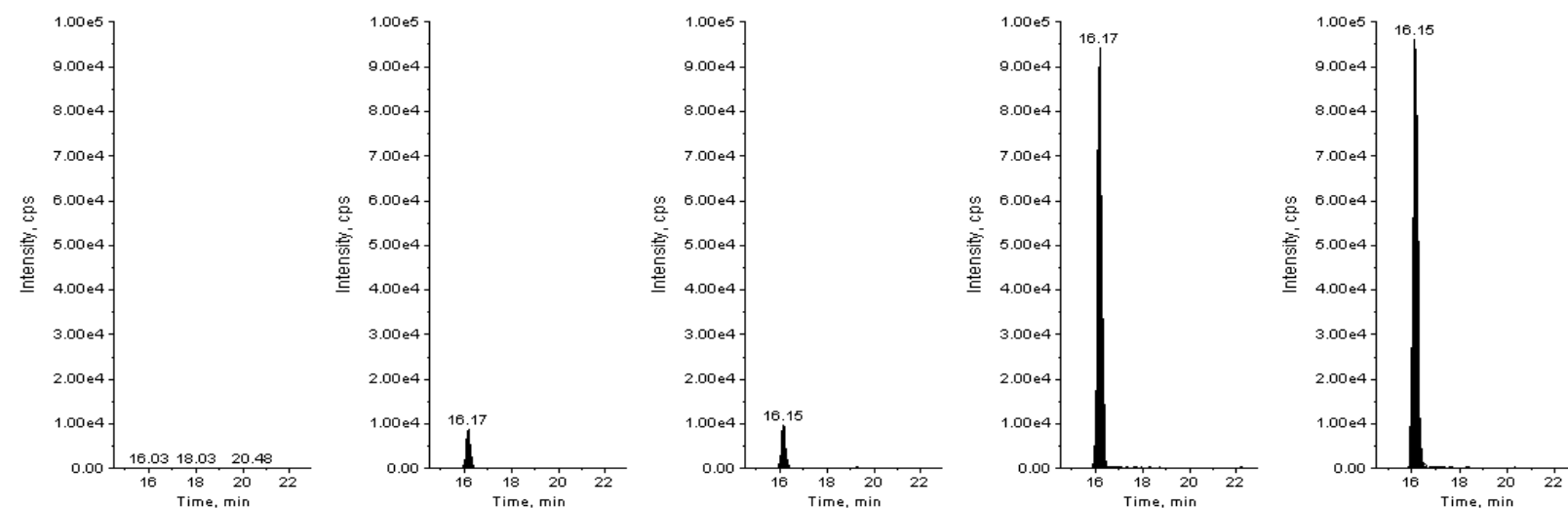


Figure: Second MRM of Isoxathion: 314 amu → 170 amu
(Control sample, standard 0.1µg/L, spiked sample 0.1µg/L, standard 1.0µg/L, spiked sample 1.0µg/L, from left to right)

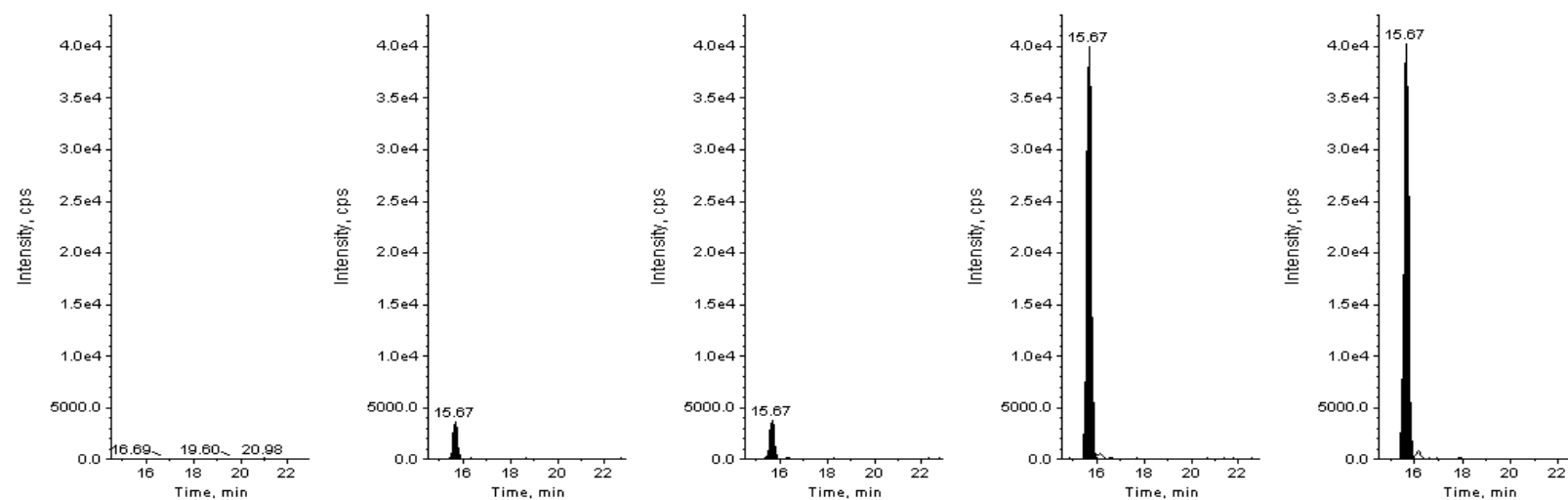


Figure: First MRM of Kresoxim-methyl: 314 amu → 116 amu
(Control sample, standard 0.1µg/L, spiked sample 0.1µg/L, standard 1.0µg/L, spiked sample 1.0µg/L, from left to right)

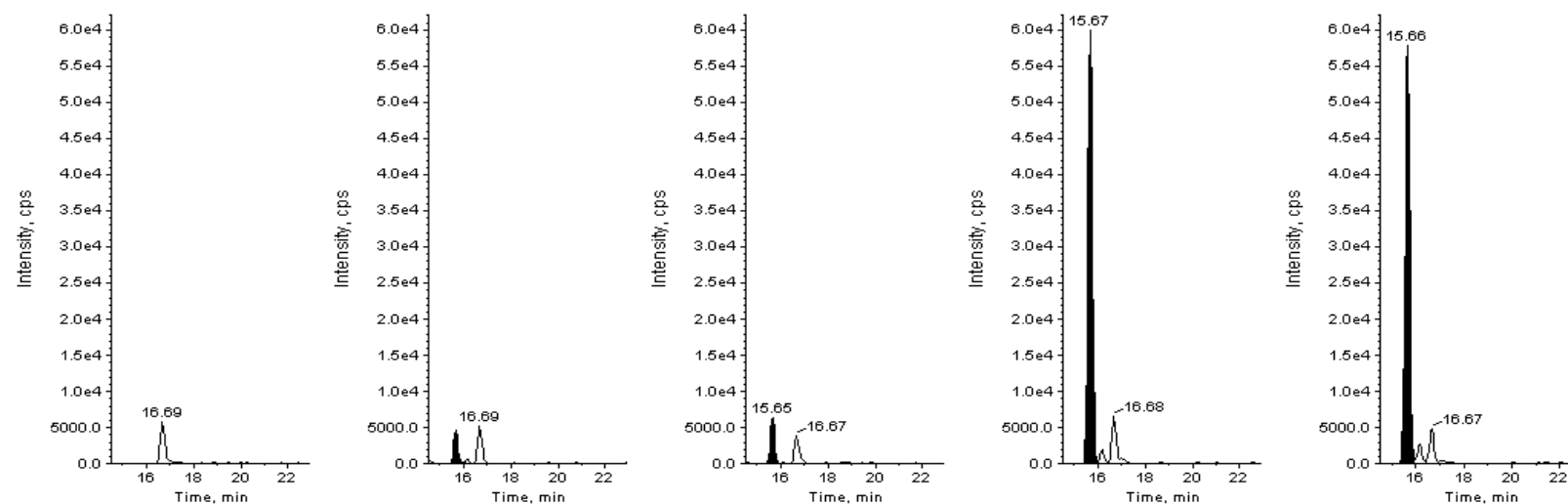


Figure: Second MRM of Kresoxim-methyl: 314 amu → 206 amu
(Control sample, standard 0.1µg/L, spiked sample 0.1µg/L, standard 1.0µg/L, spiked sample 1.0µg/L, from left to right)

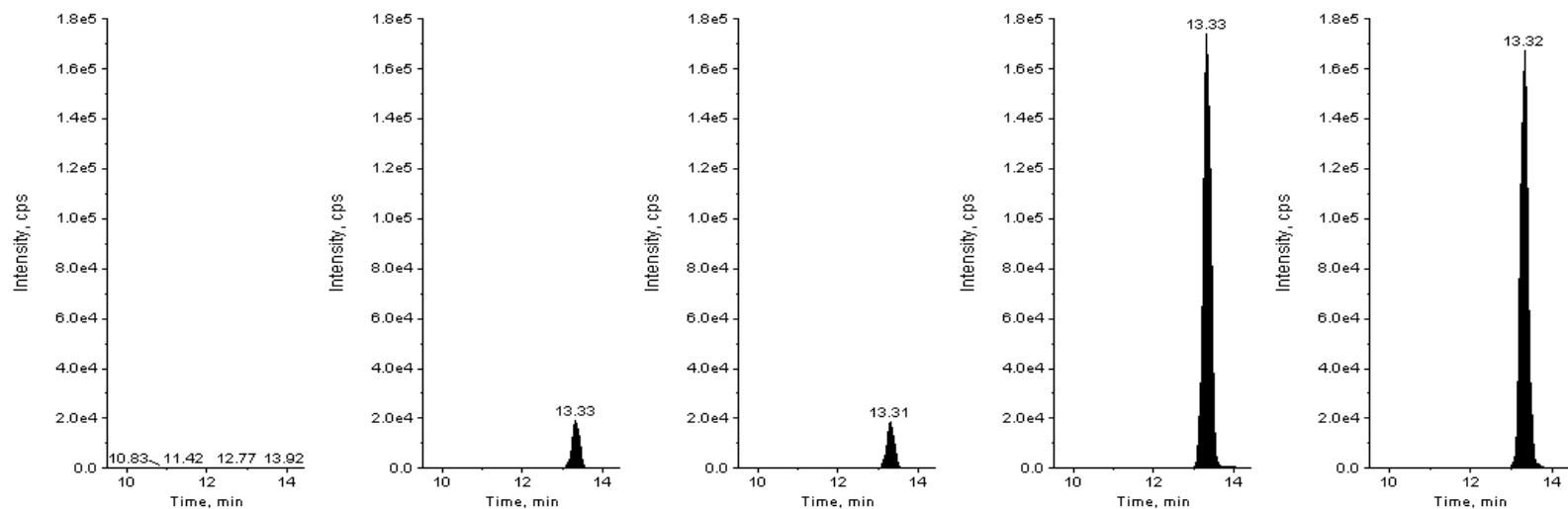


Figure: First MRM of Lenacil: 235 amu → 153 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

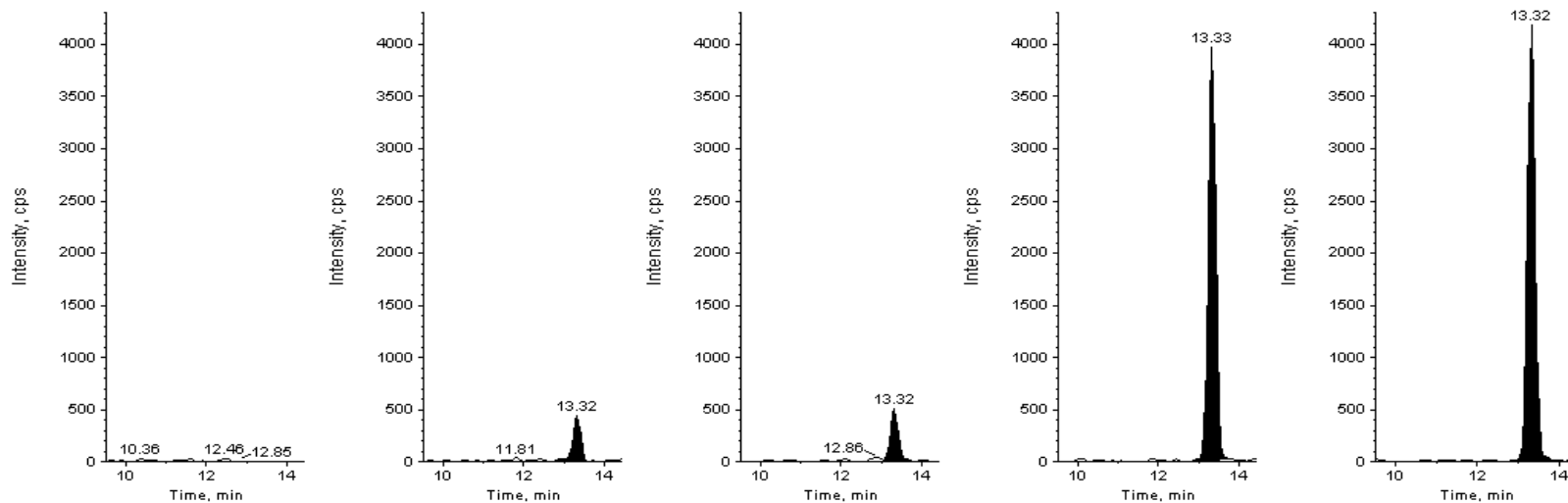


Figure: Second MRM of Lenacil: 235 amu → 136 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

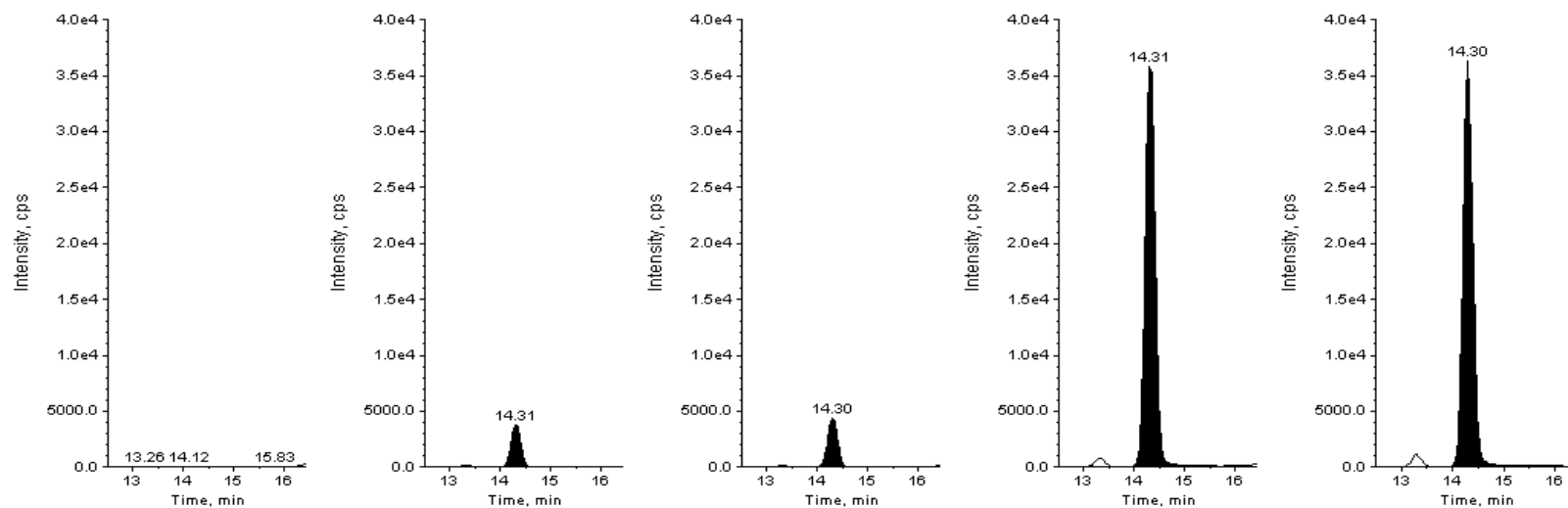


Figure: First MRM of Linuron: 249 amu $\rightarrow$ 160 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

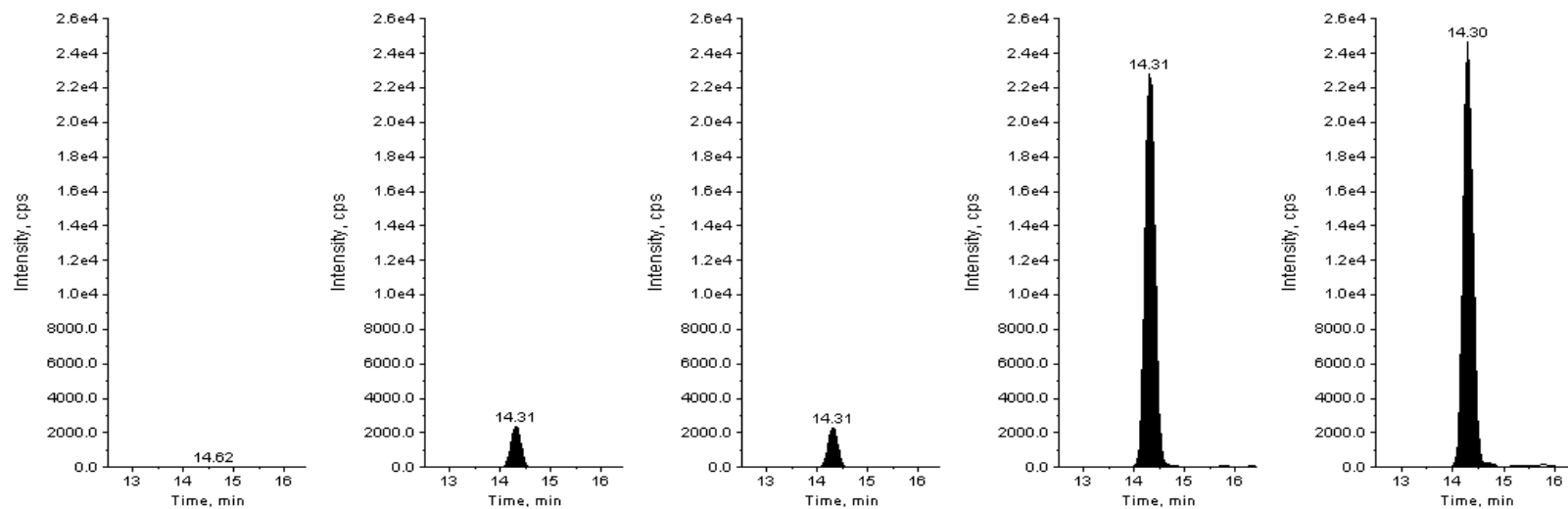


Figure: Second MRM of Linuron: 249 amu $\rightarrow$ 182 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

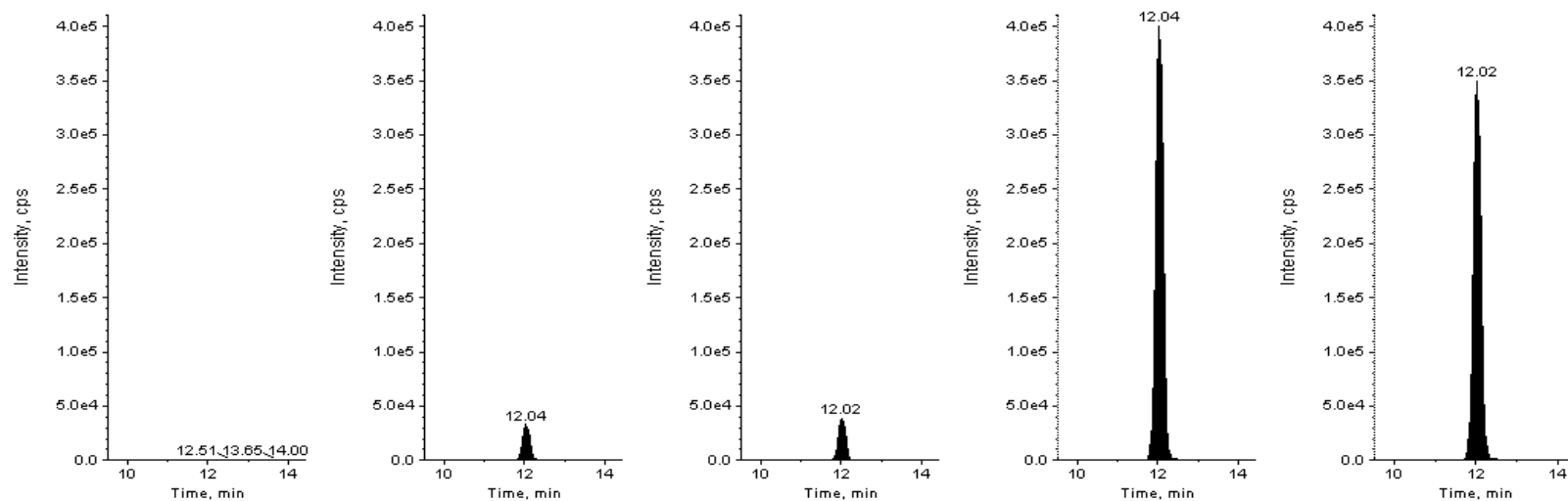


Figure: First MRM of Malaoxon: 315 amu $\rightarrow$ 127 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

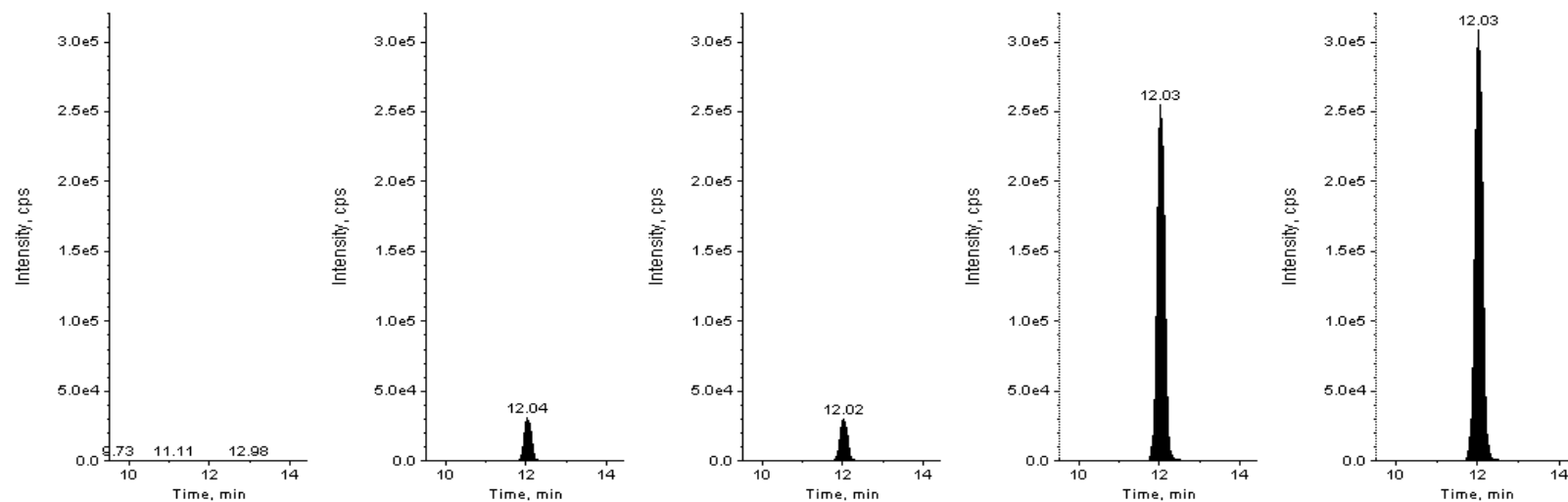


Figure: Second MRM of Malaoxon: 315 amu $\rightarrow$ 99 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

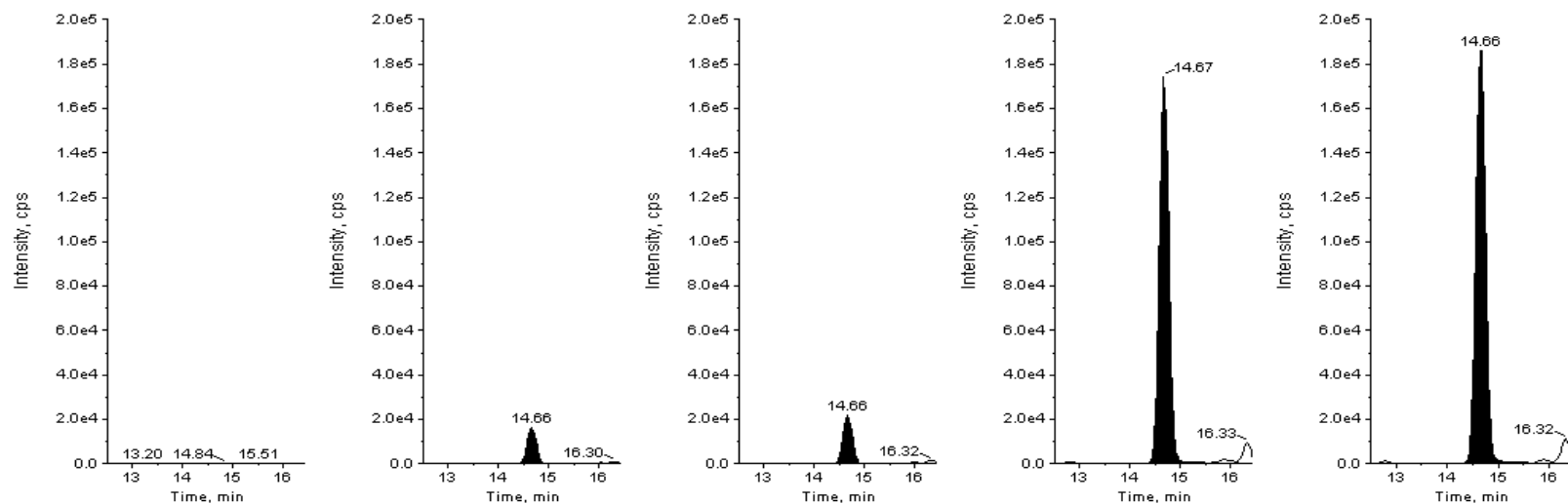


Figure: First MRM of Malathion: 331 amu → 127 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

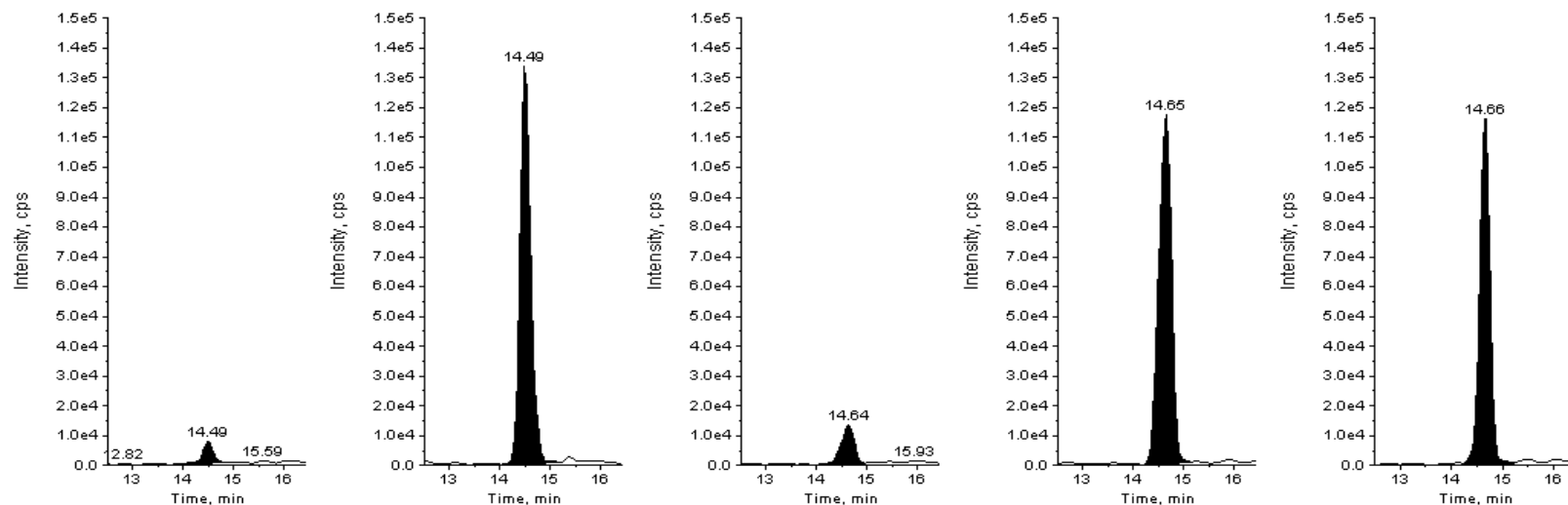


Figure: Second MRM of Malathion: 331 amu → 99 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

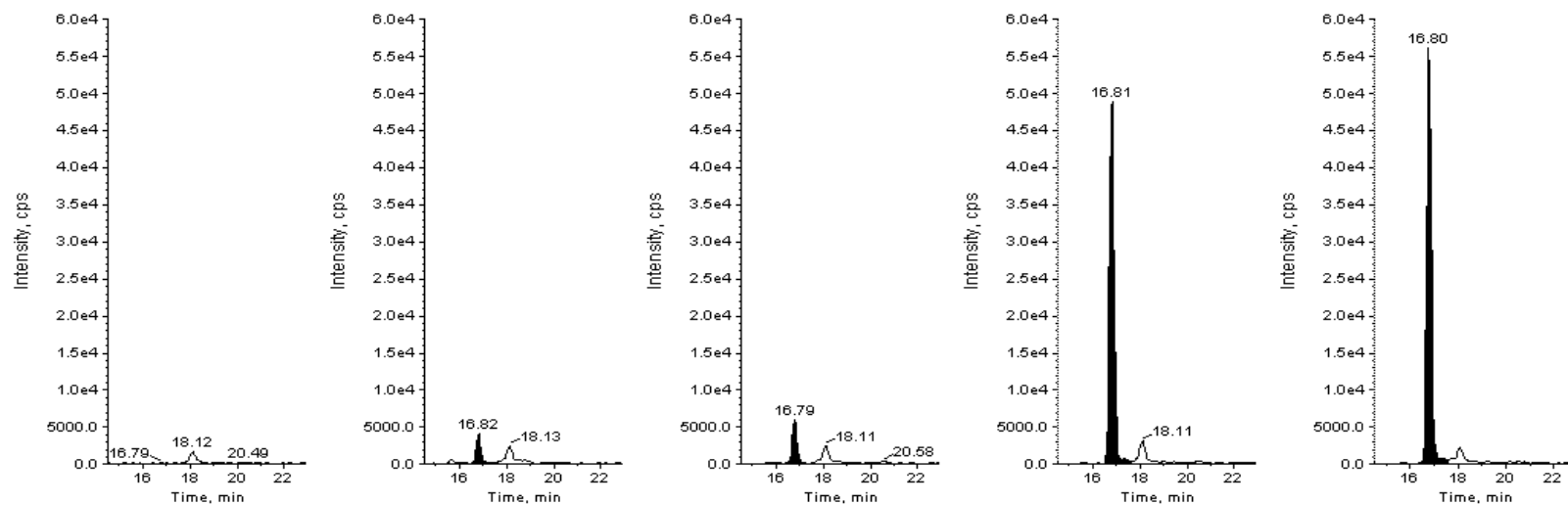


Figure: First MRM of MCPA-butotyl: 318 amu $\rightarrow$ 227 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

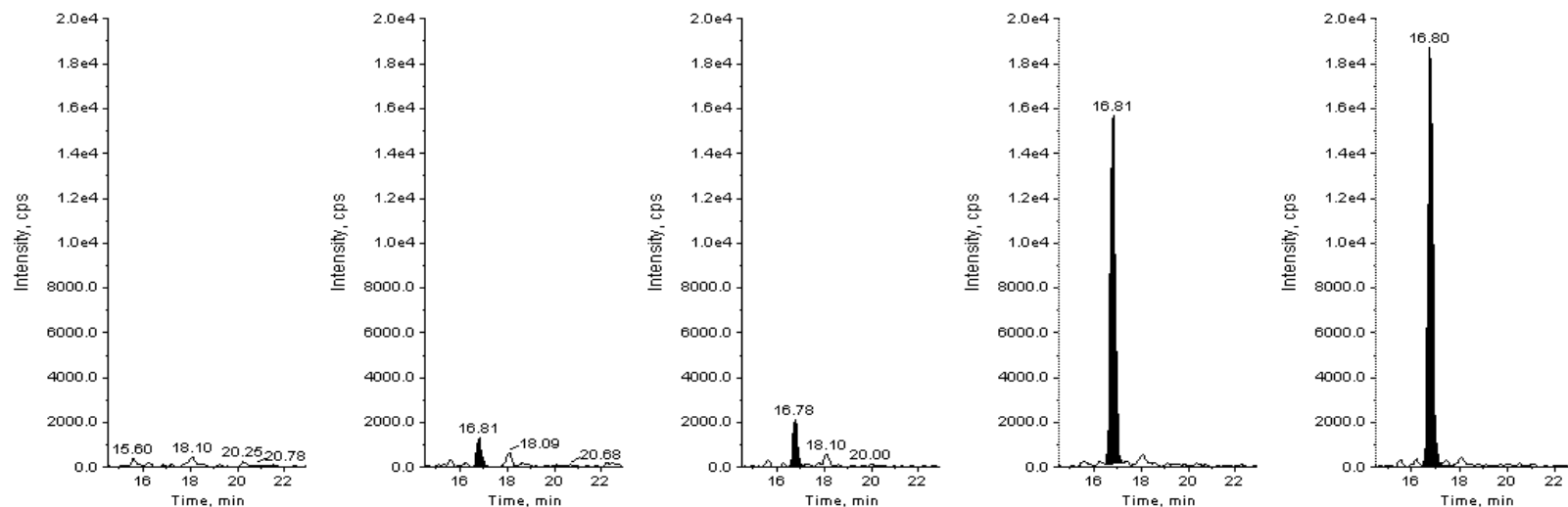


Figure: Second MRM of MCPA-butotyl: 318 amu $\rightarrow$ 101 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

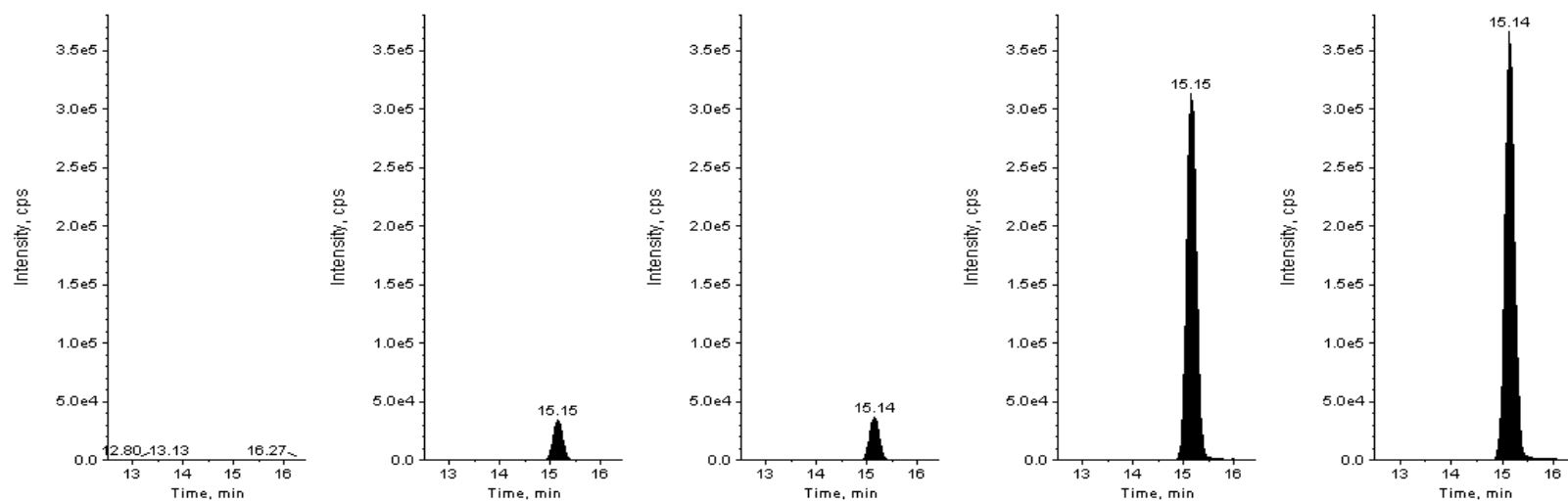


Figure: First MRM of Mecarbam: 330 amu $\rightarrow$ 227 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

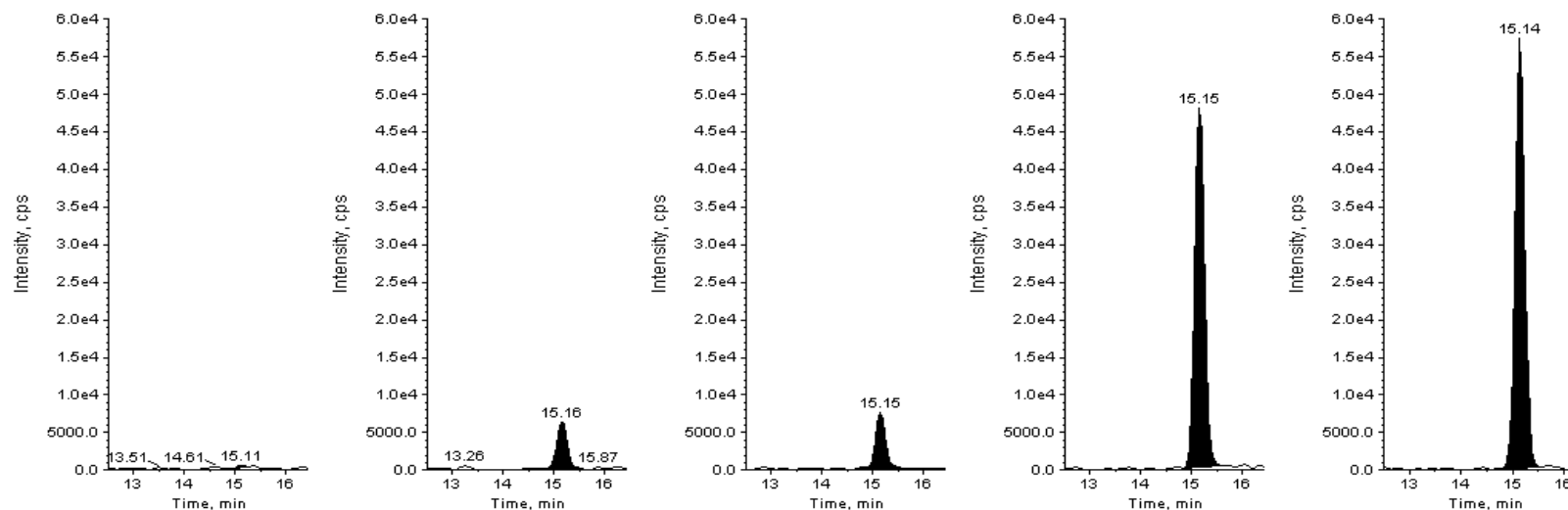


Figure: Second MRM of Mecarbam: 330 amu $\rightarrow$ 97 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

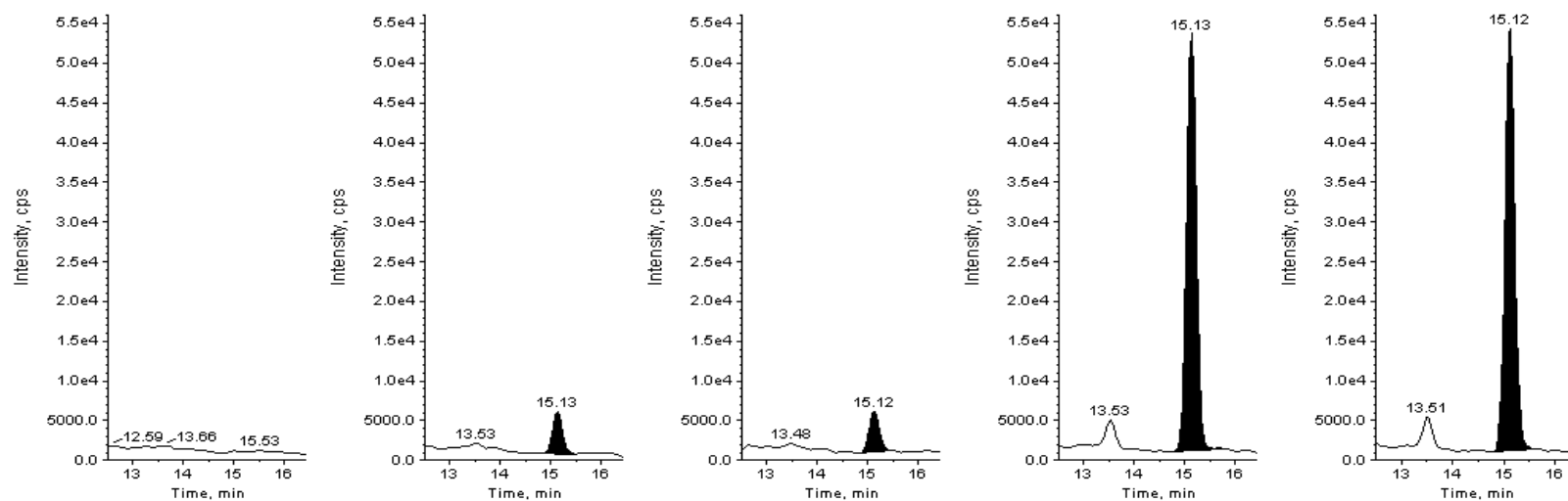


Figure: First MRM of Mepanipyrim: 224 amu → 77 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

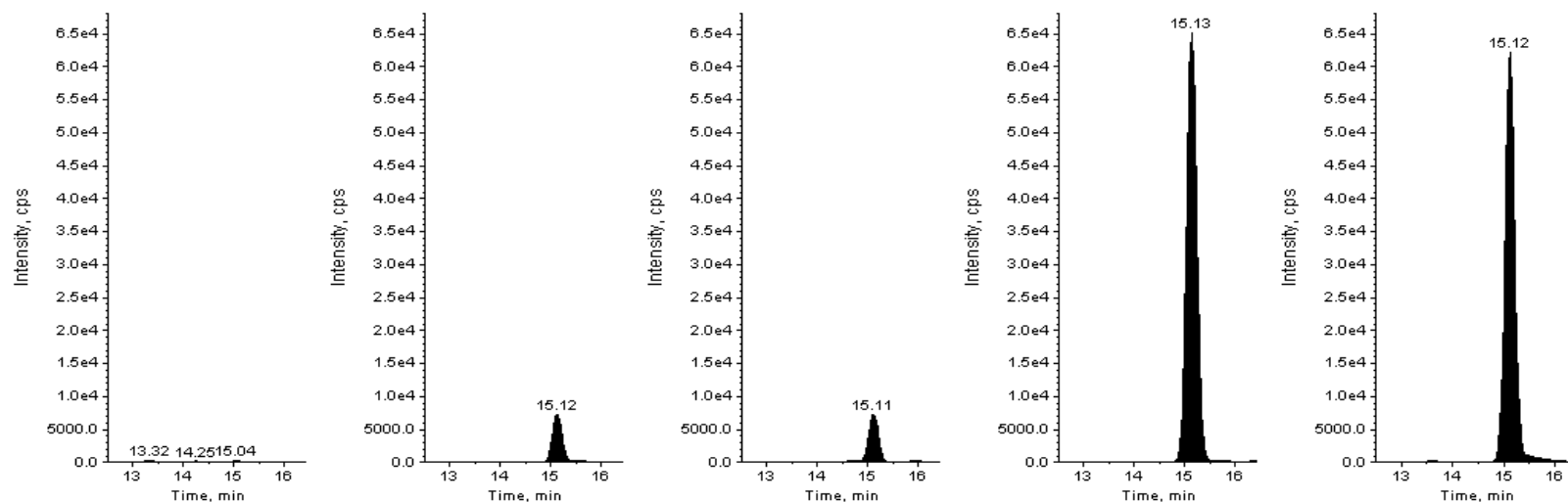


Figure: Second MRM of Mepanipyrim: 224 amu → 106 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

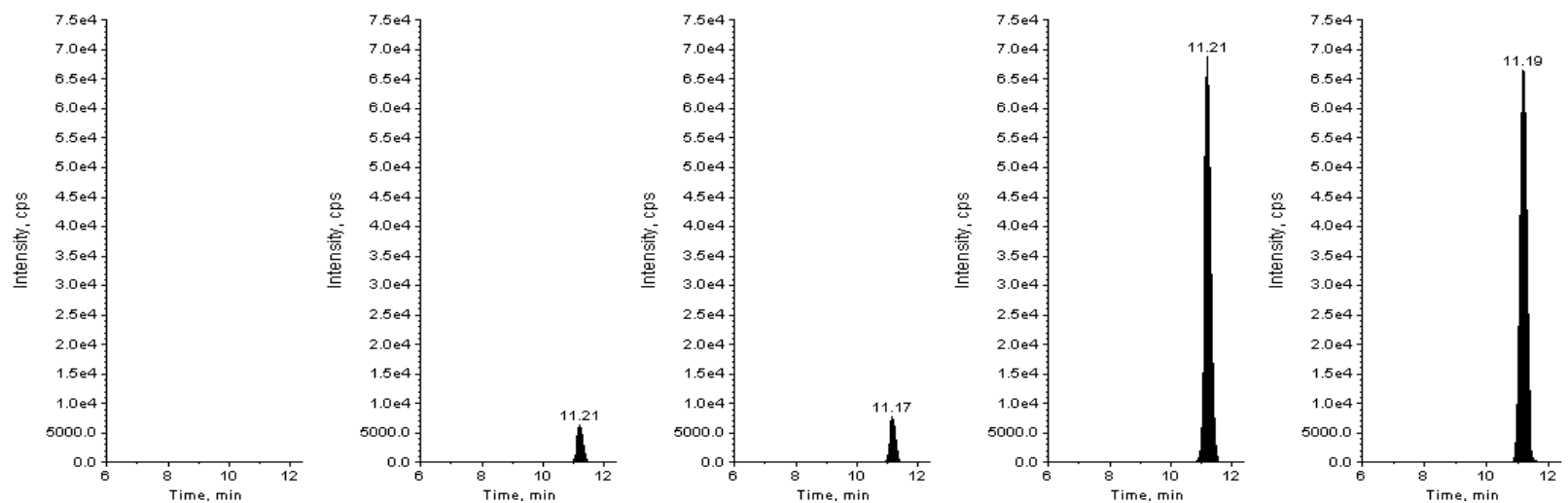


Figure: First MRM of Mesosulfuron-methyl: 504 amu → 182 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

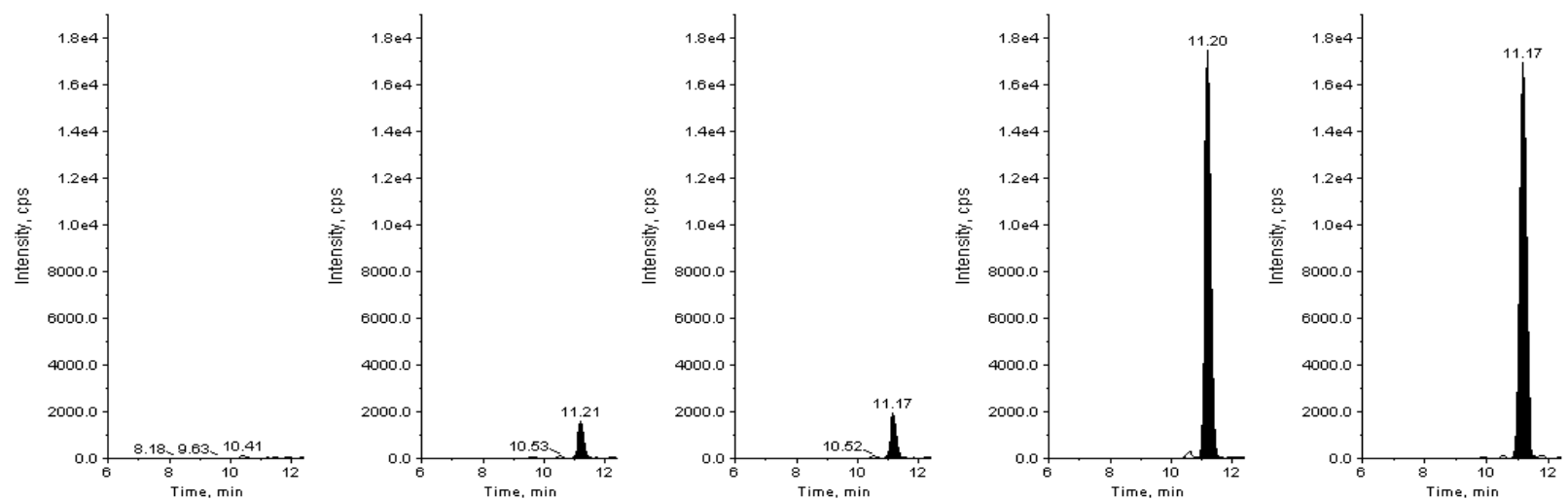


Figure: Second MRM of Mesosulfuron-methyl: 504 amu → 83 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

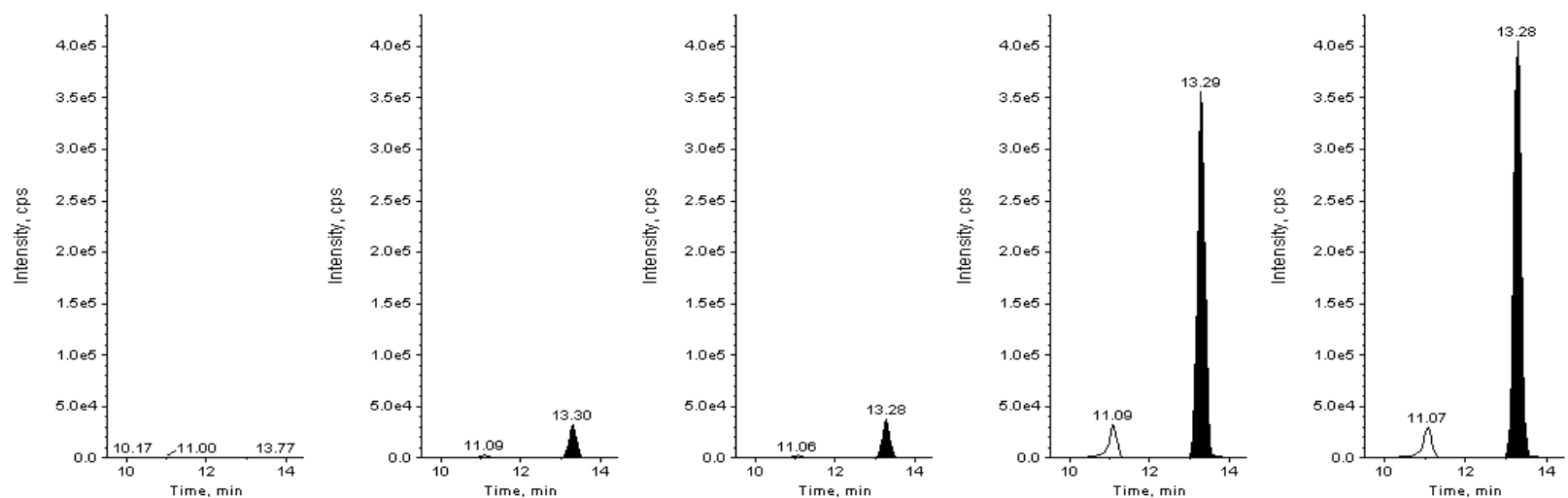


Figure: First MRM of Metalaxyl-M: 280 amu $\rightarrow$ 220 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

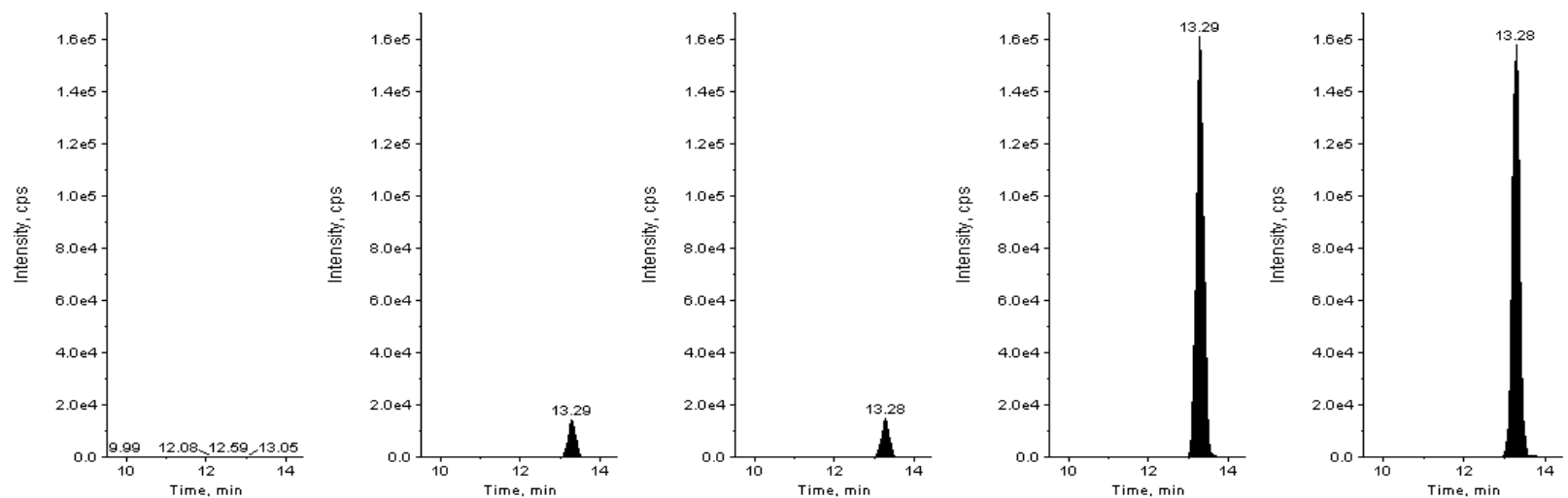


Figure: Second MRM of Metalaxyl-M: 280 amu $\rightarrow$ 160 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

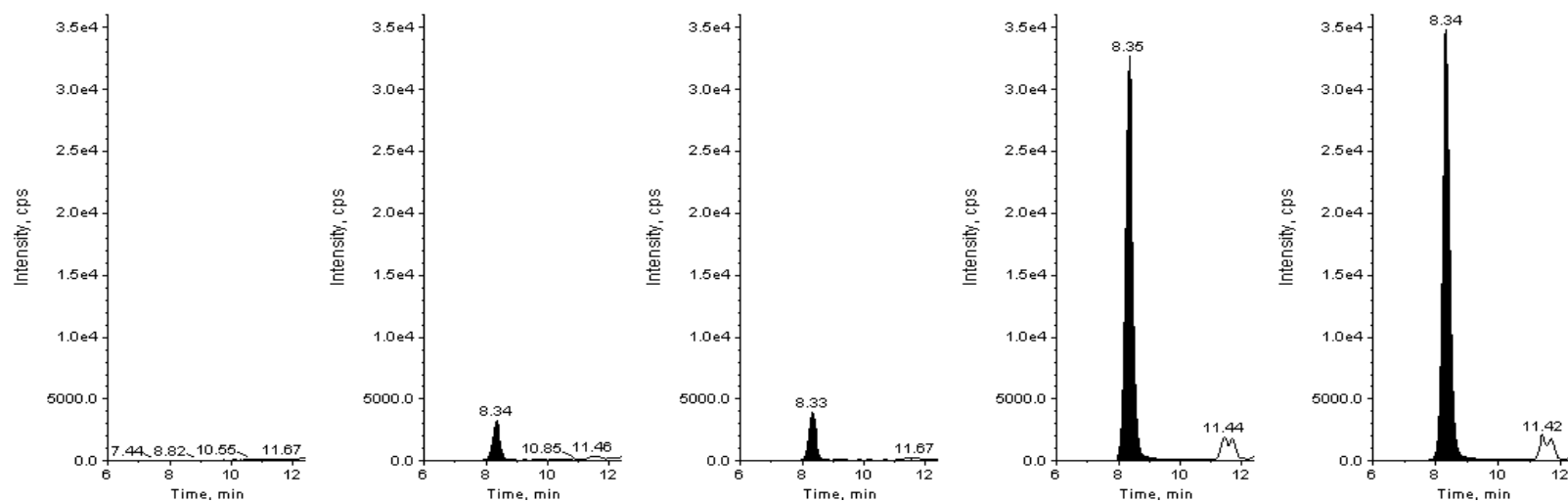


Figure: First MRM of Metamitron: 203 amu → 175 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

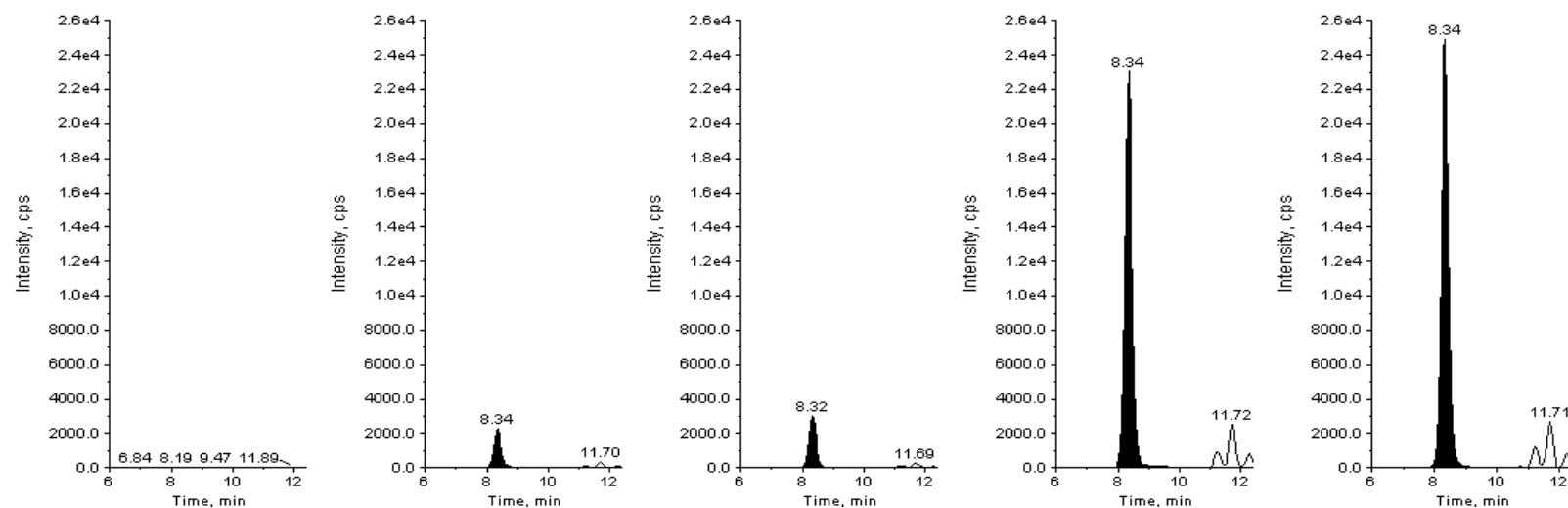


Figure: Second MRM of Metamitron: 203 amu → 104 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

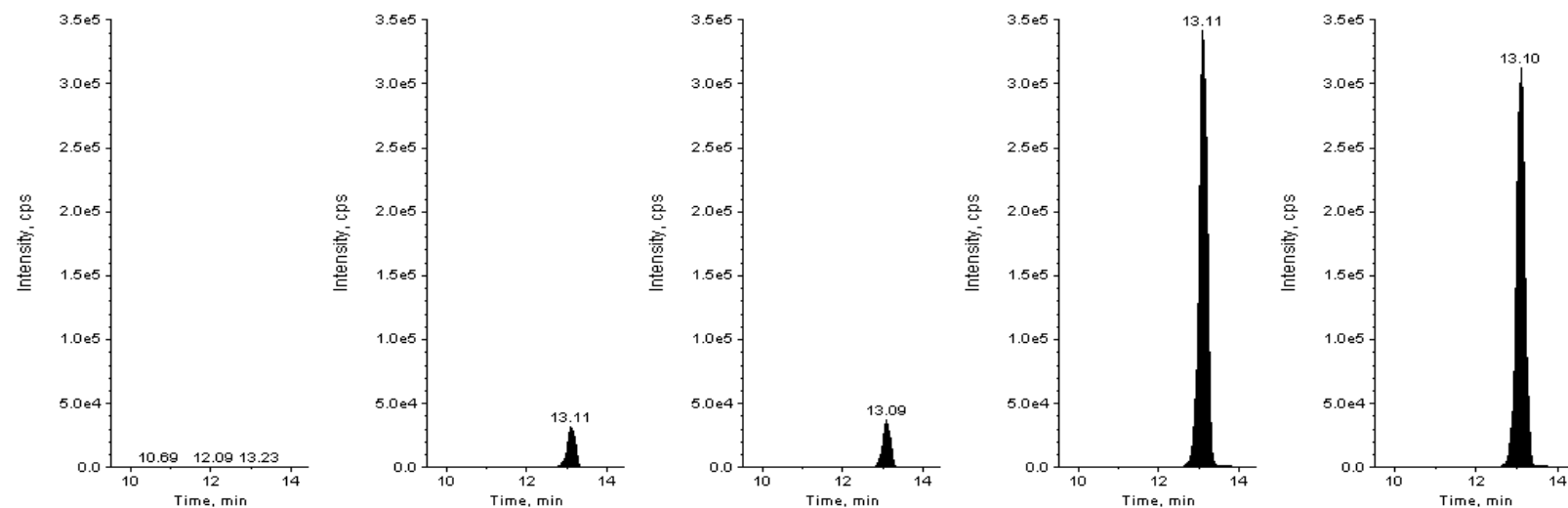


Figure: First MRM of Metazachlor: 278 amu $\rightarrow$ 210 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

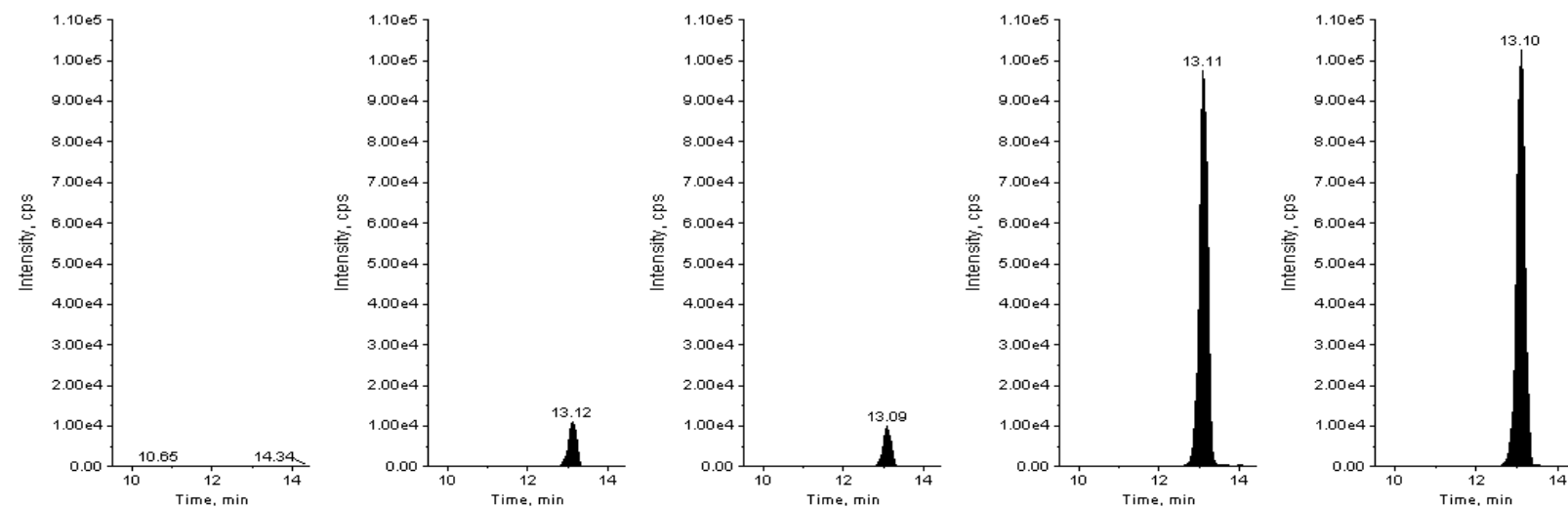


Figure: Second MRM of Metazachlor: 278 amu $\rightarrow$ 134 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

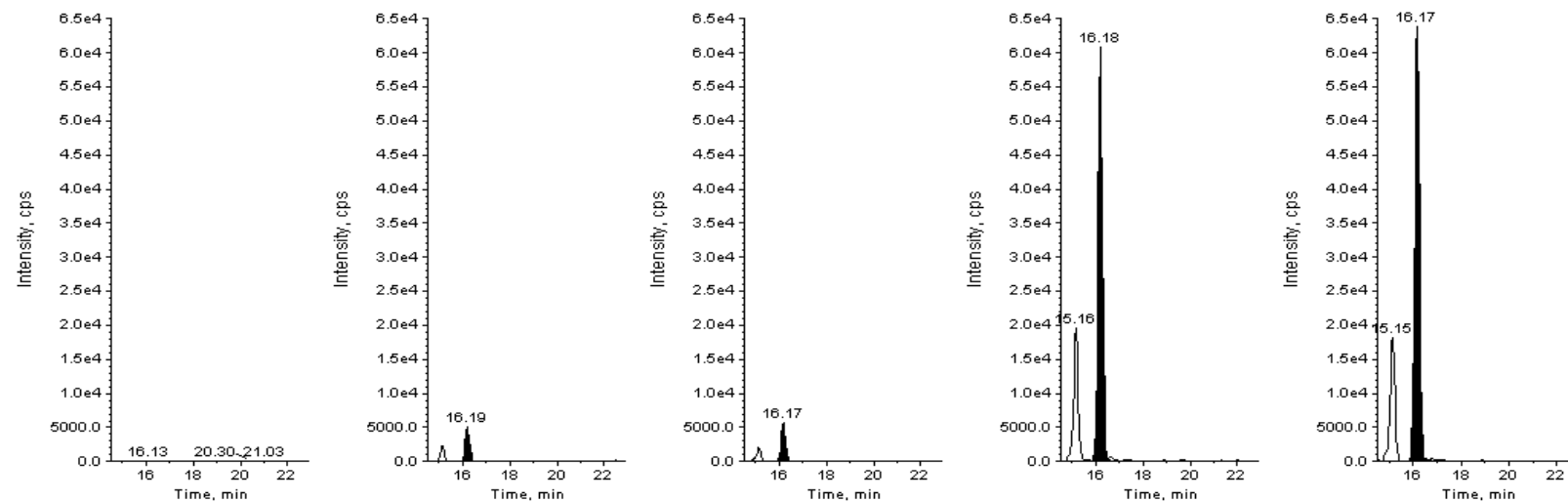


Figure: First MRM of Metconazole: 320 amu $\rightarrow$ 70 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

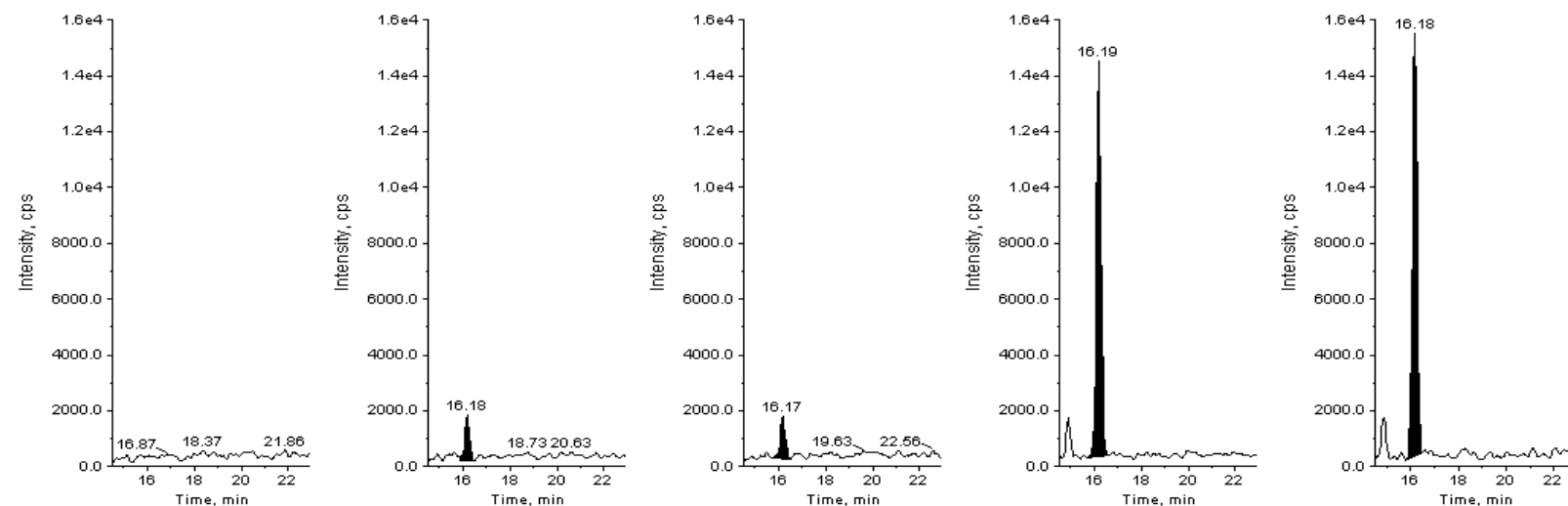


Figure: Second MRM of Metconazole: 320 amu $\rightarrow$ 125 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

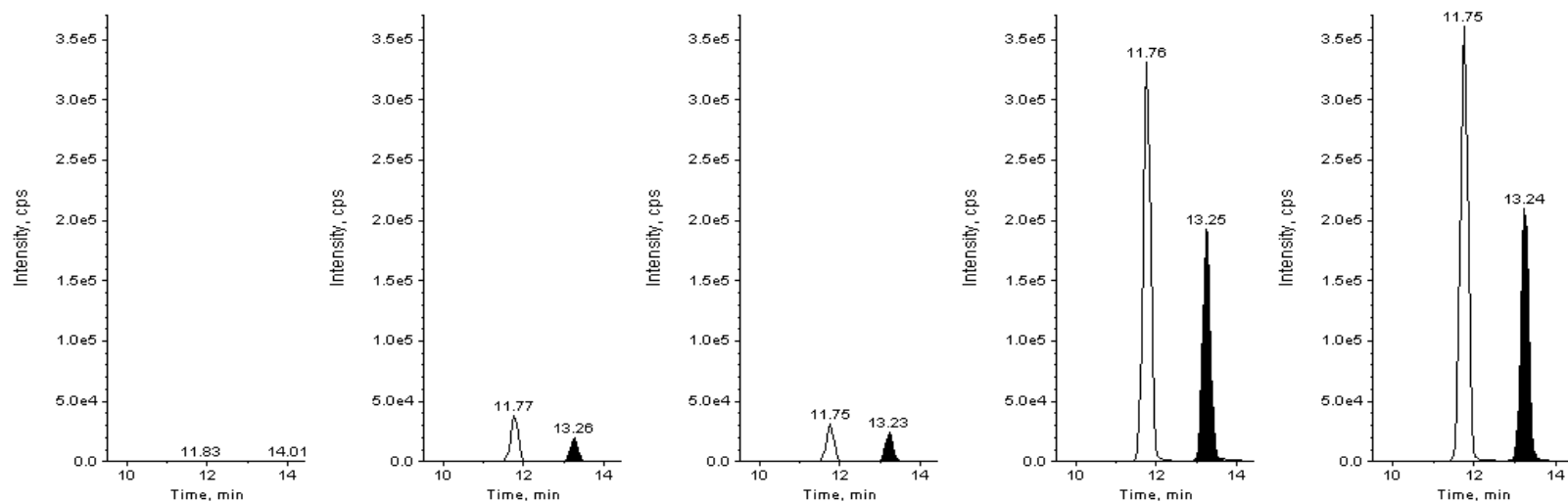


Figure: First MRM of Methabenzthiazuron: 222 amu → 165 amu
(Control sample, standard 0.1µg/L, spiked sample 0.1µg/L, standard 1.0µg/L, spiked sample 1.0µg/L, from left to right)

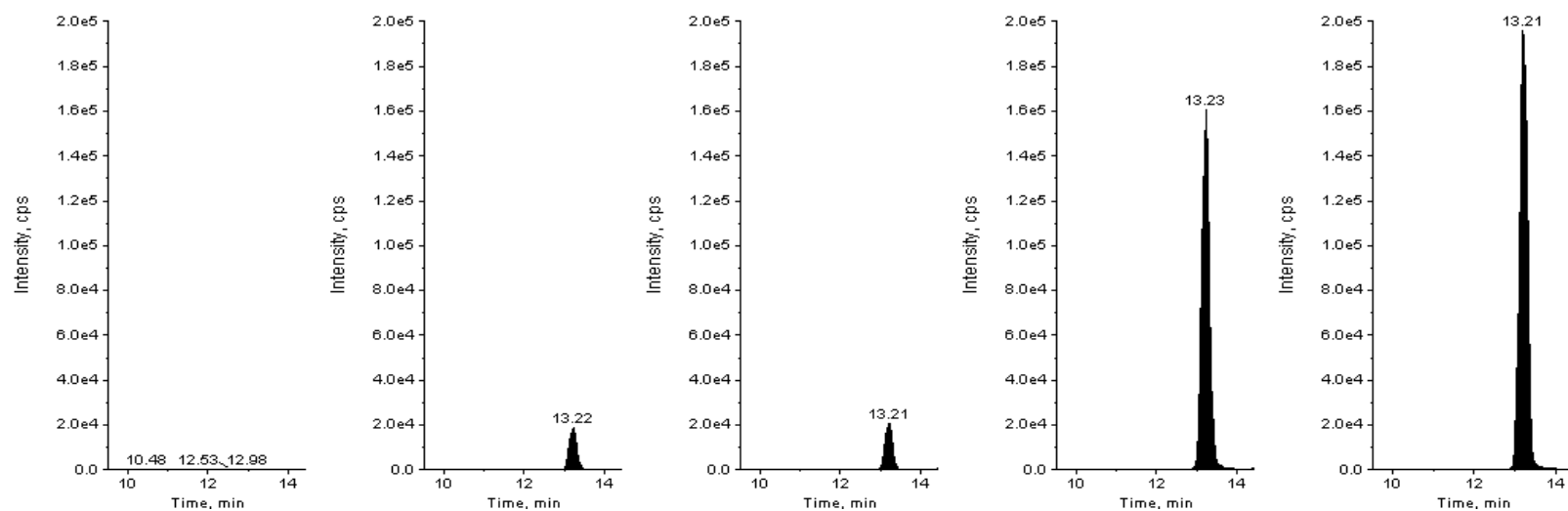


Figure: Second MRM of Methabenzthiazuron: 222 amu → 150 amu
(Control sample, standard 0.1µg/L, spiked sample 0.1µg/L, standard 1.0µg/L, spiked sample 1.0µg/L, from left to right)

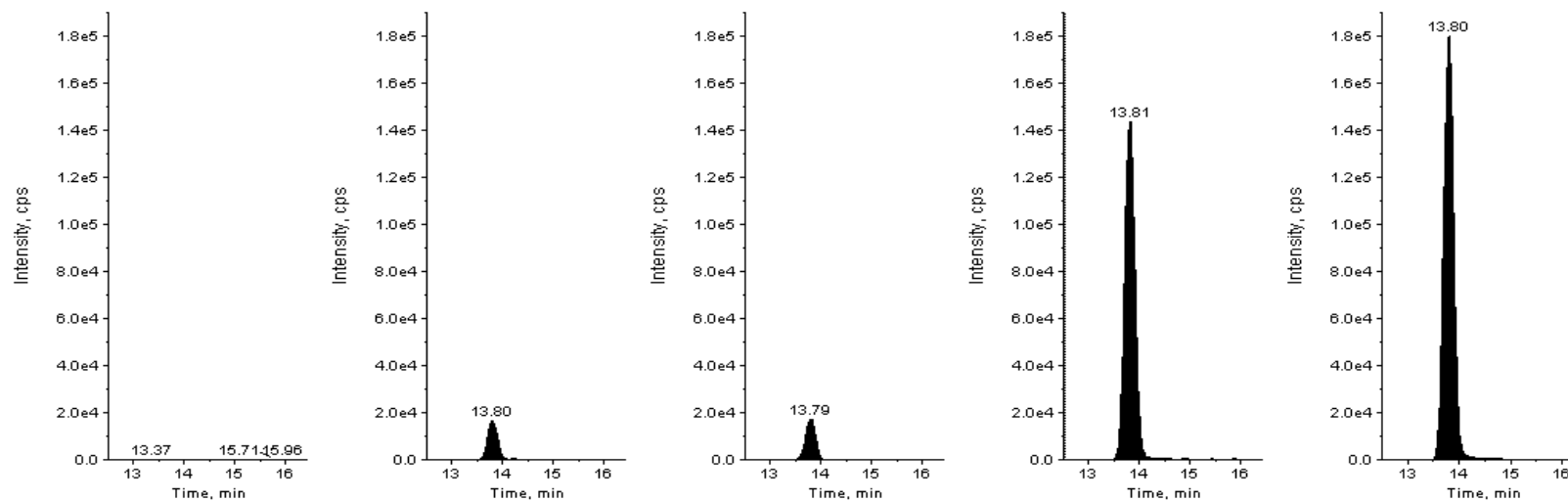


Figure: First MRM of Methfuroxam: 230 amu → 137 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

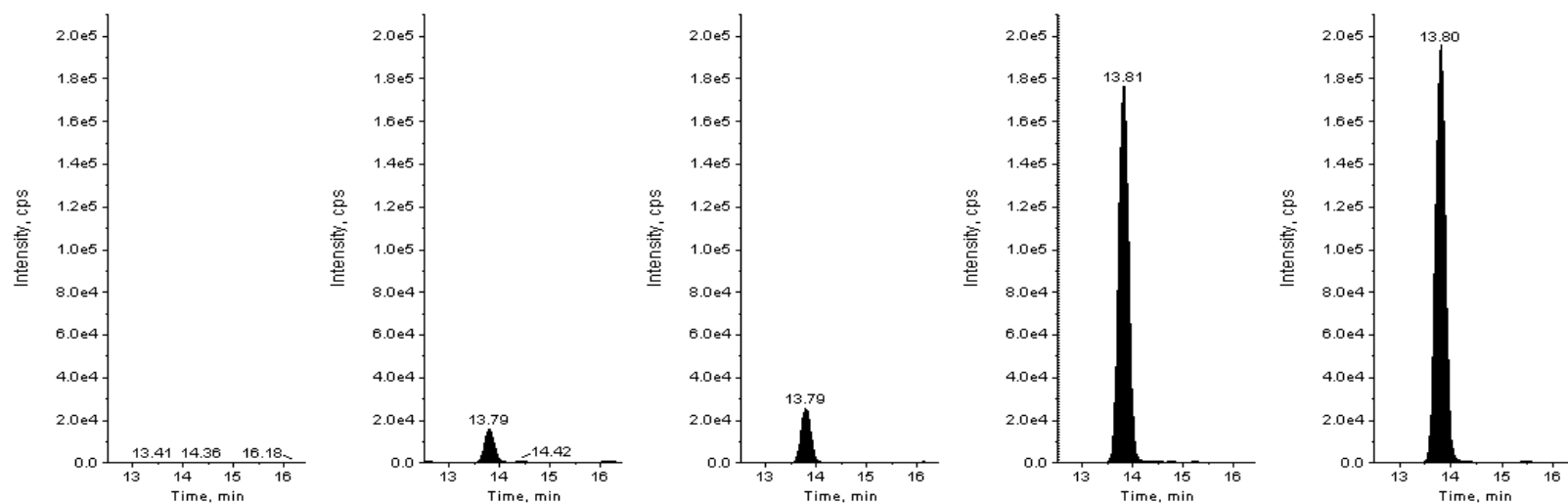


Figure: Second MRM of Methfuroxam: 230 amu → 111 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

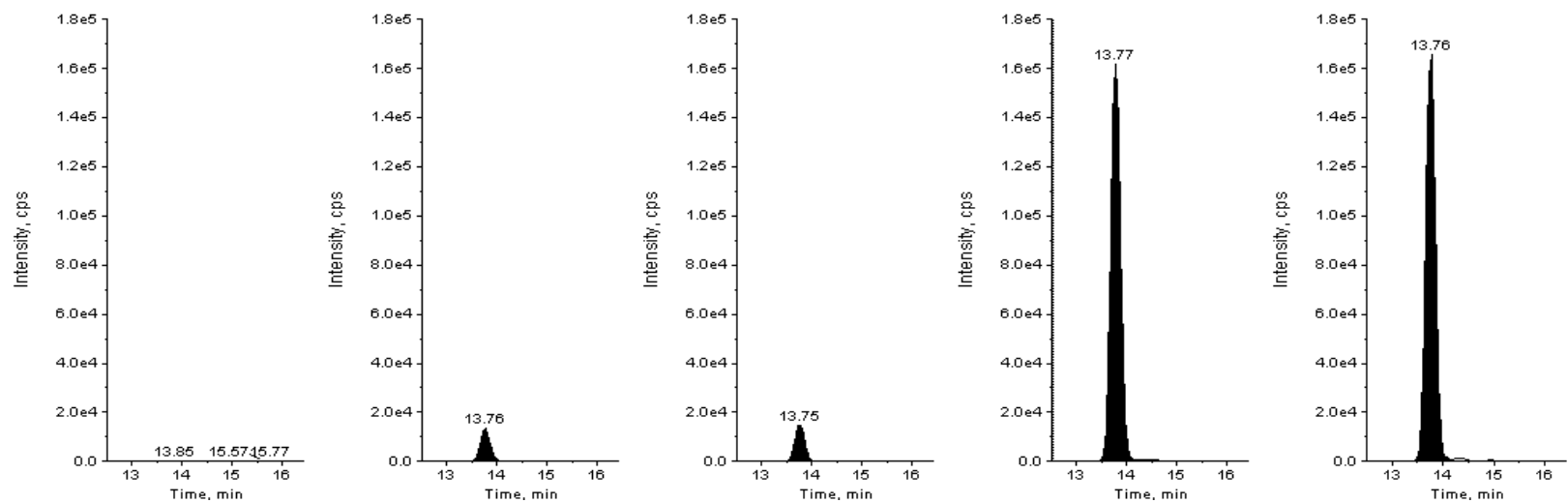


Figure: First MRM of Methidathion: 303 amu → 145 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

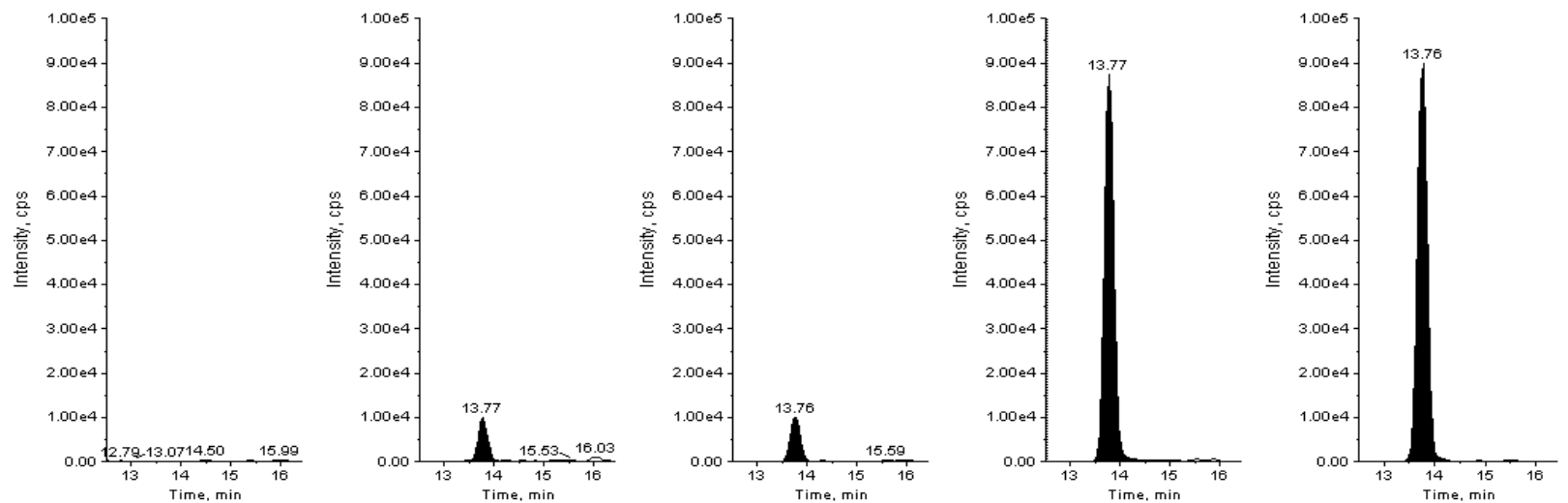


Figure: Second MRM of Methidathion: 303 amu → 85 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

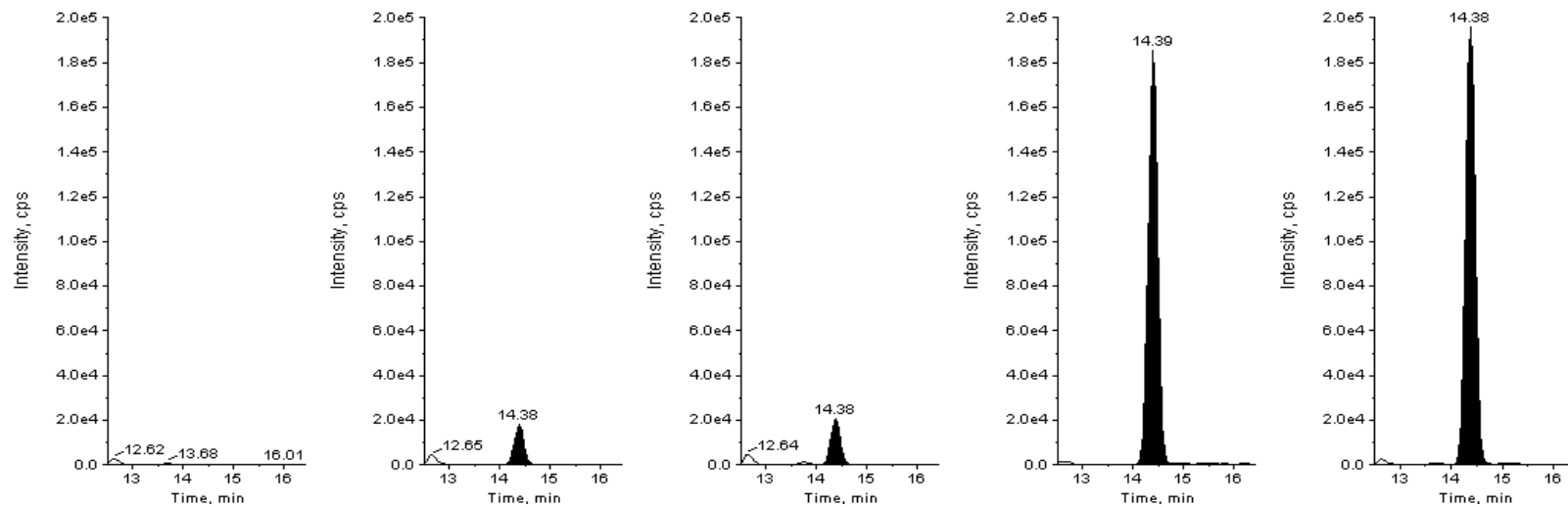


Figure: First MRM of Methiocarb: 226 amu → 121 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

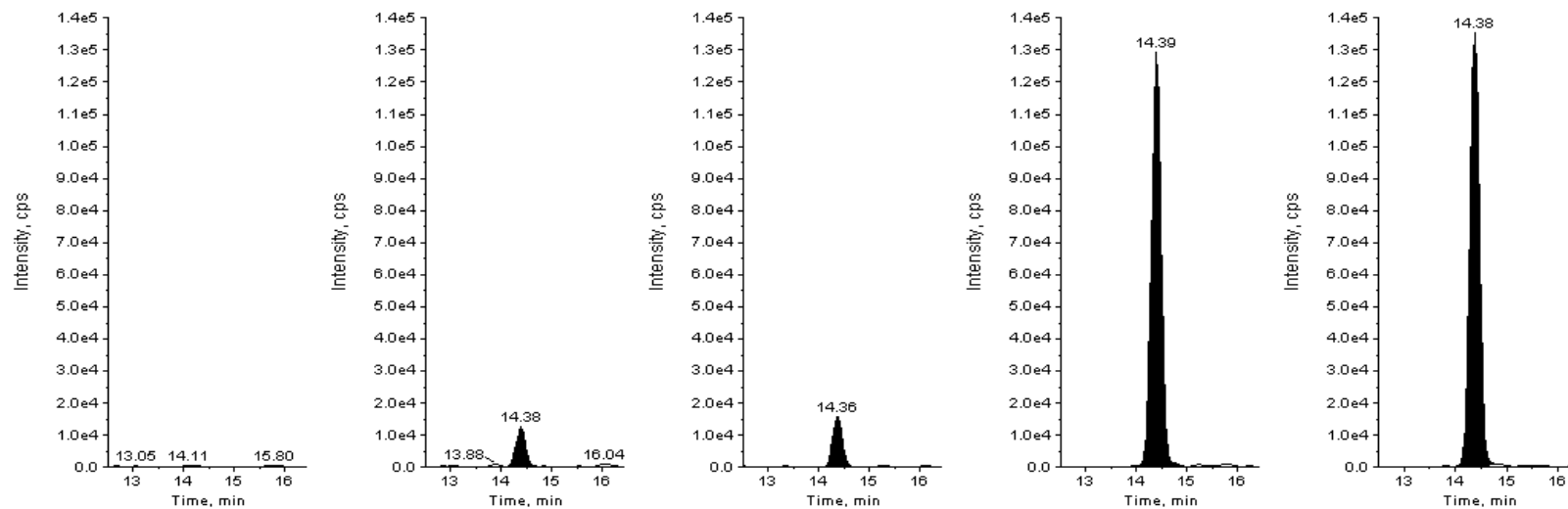


Figure: Second MRM of Methiocarb: 243 amu → 169 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

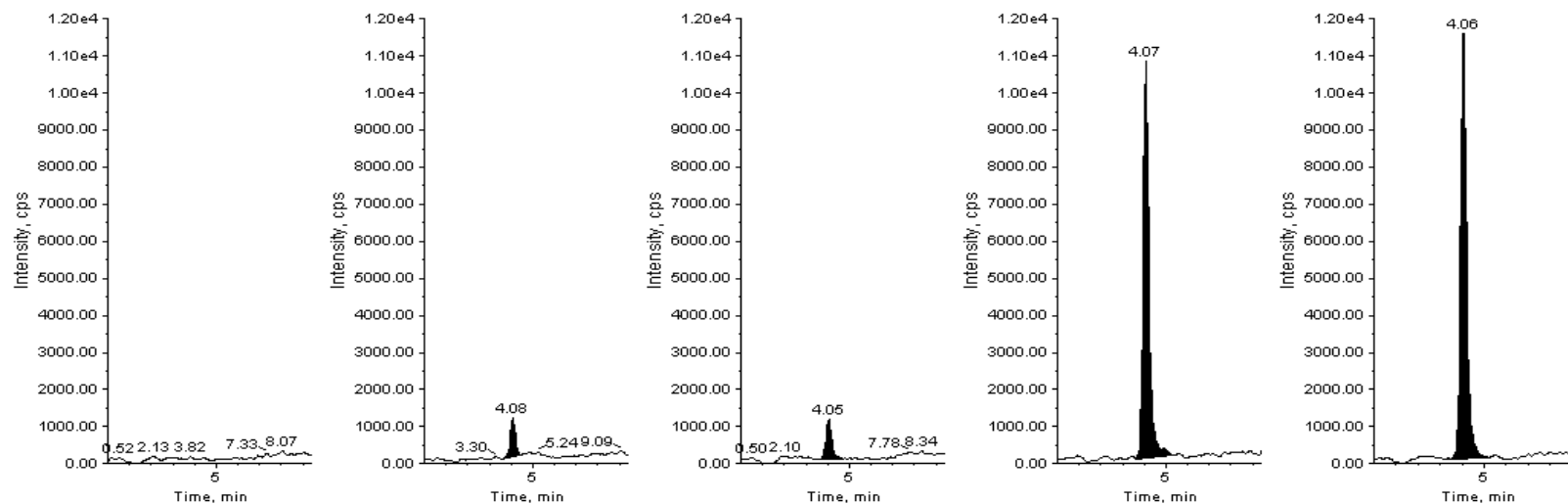


Figure: First MRM of Methomyl: 163 amu $\rightarrow$ 106 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

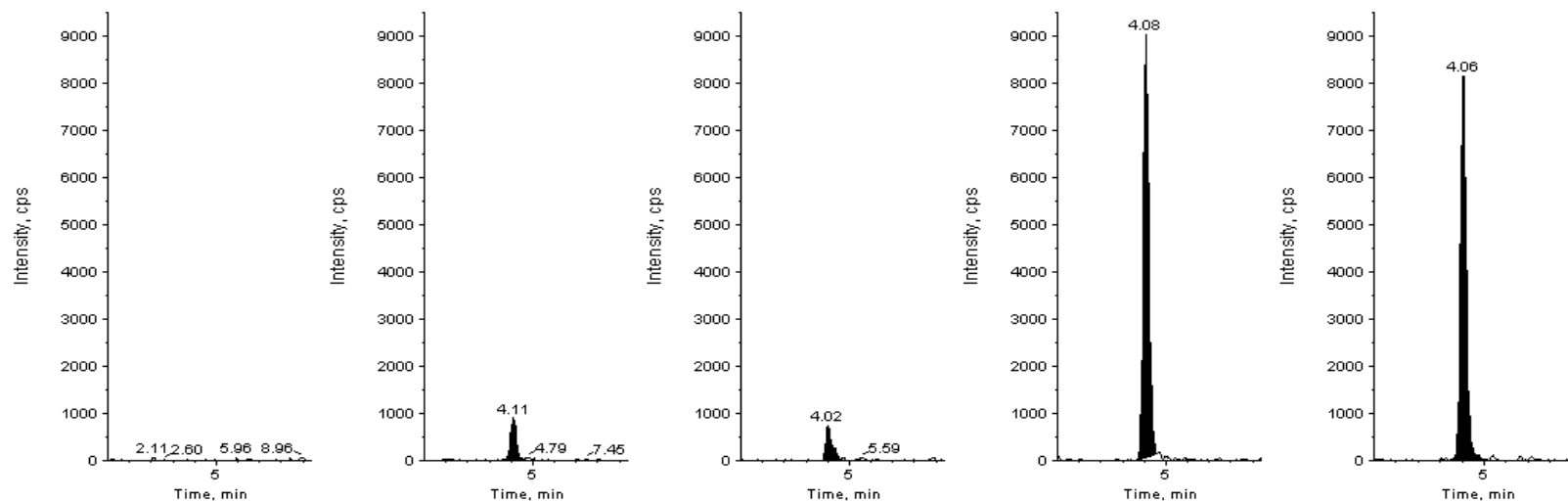


Figure: Second MRM of Methomyl: 163 amu $\rightarrow$ 88 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

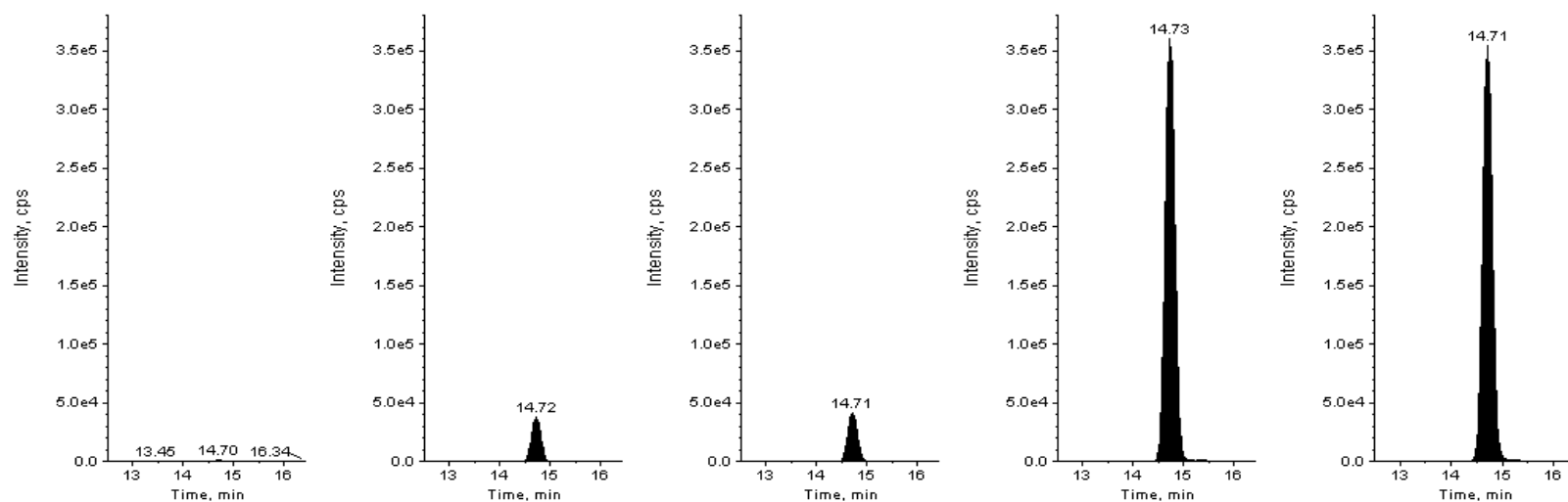


Figure: First MRM of Methoxyfenozide: 369 amu $\rightarrow$ 149 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

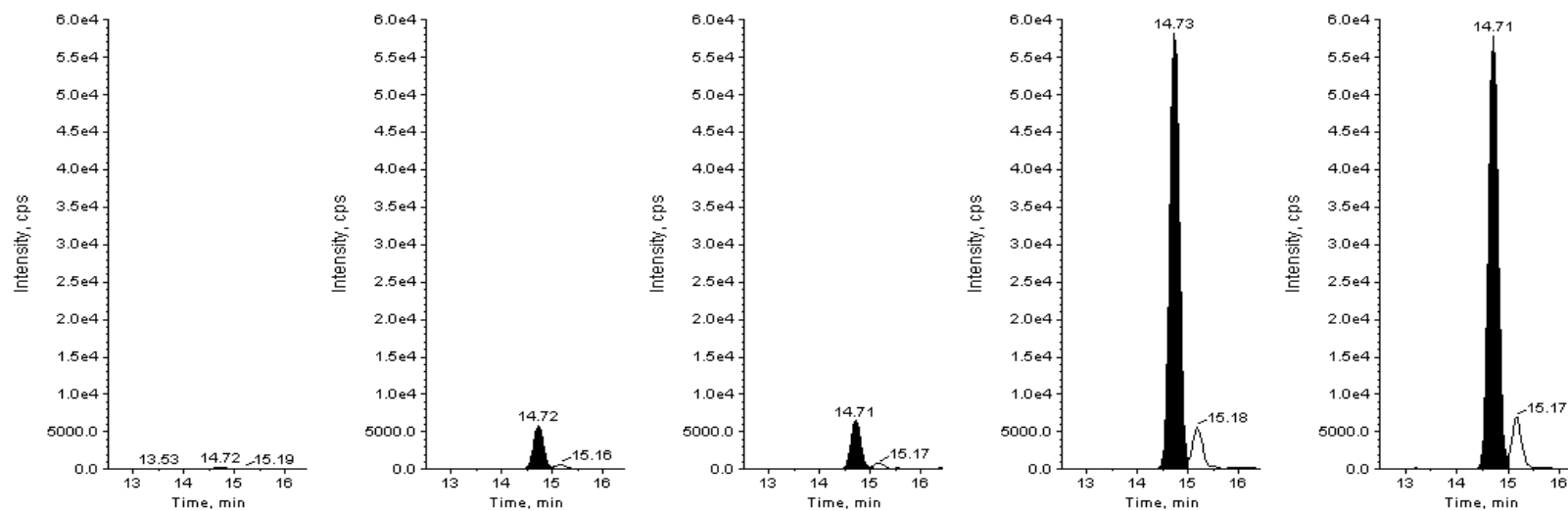


Figure: Second MRM of Methoxyfenozide: 369 amu $\rightarrow$ 133 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

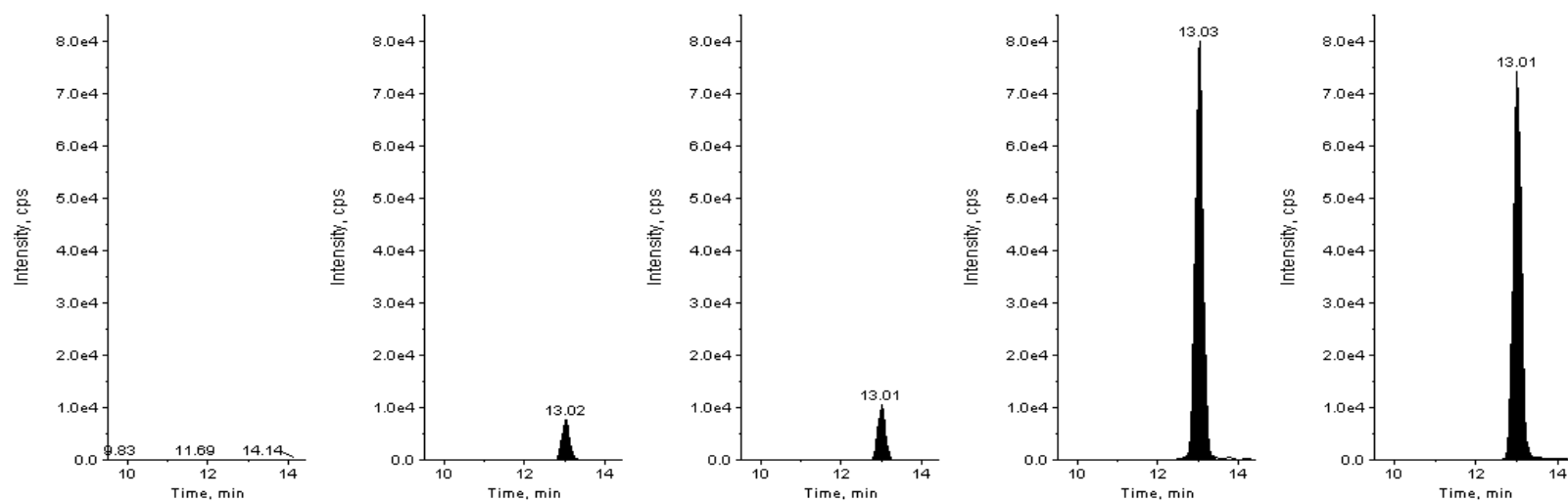


Figure: First MRM of Metobromuron: 259 amu $\rightarrow$ 170 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

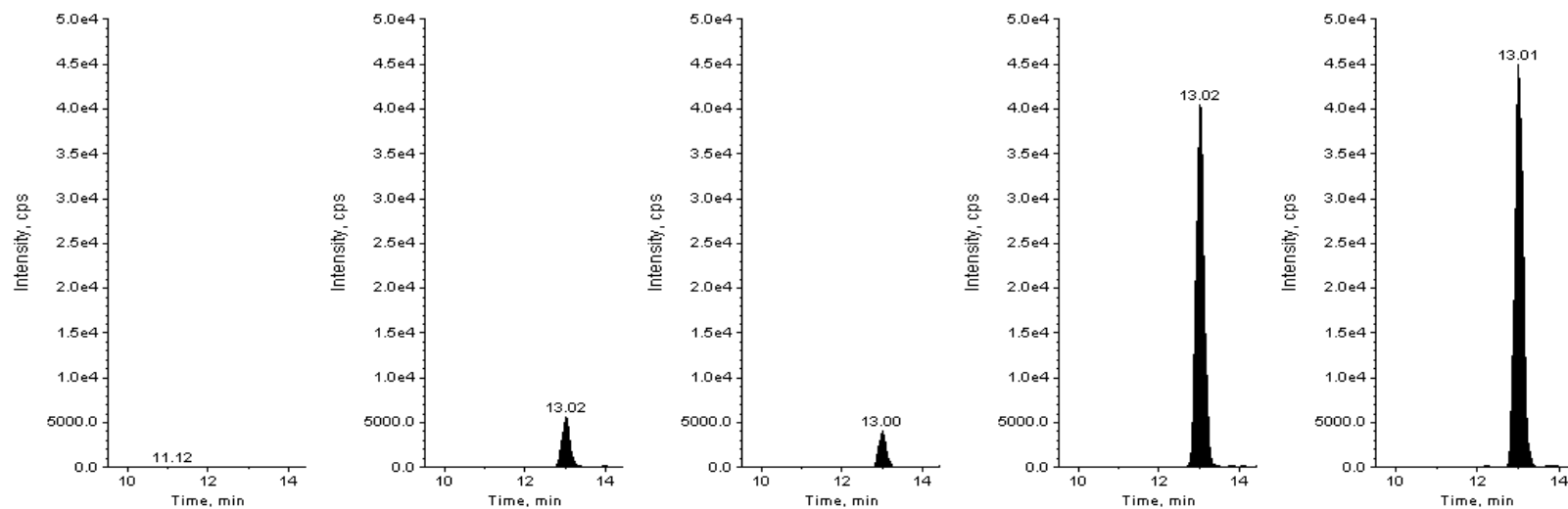


Figure: Second MRM of Metobromuron: 259 amu $\rightarrow$ 148 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

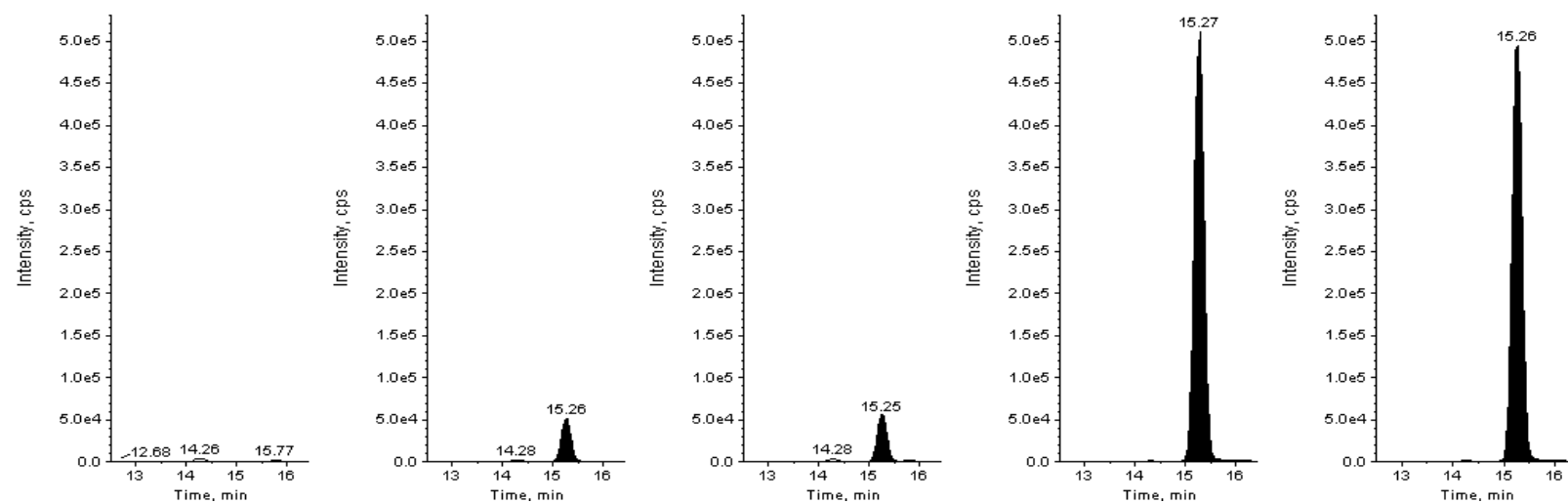


Figure: First MRM of Metolachlor: 284 amu $\rightarrow$ 252 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

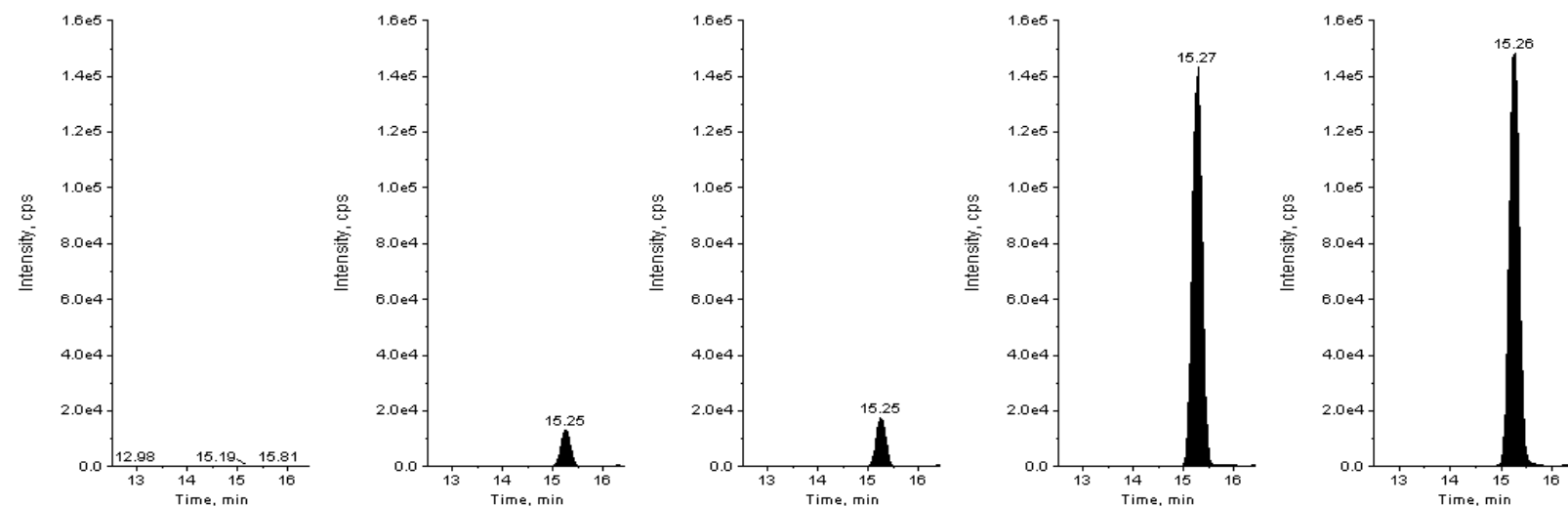


Figure: Second MRM of Metolachlor: 284 amu $\rightarrow$ 176 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

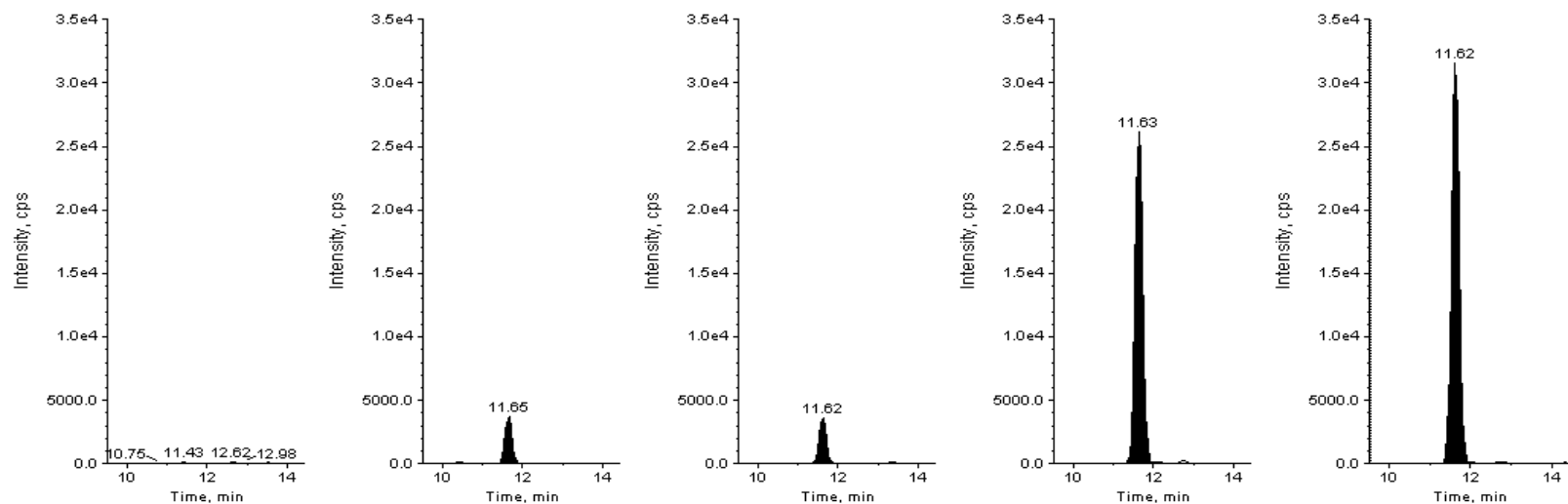


Figure: First MRM of Metosulam: 418 amu $\rightarrow$ 175 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

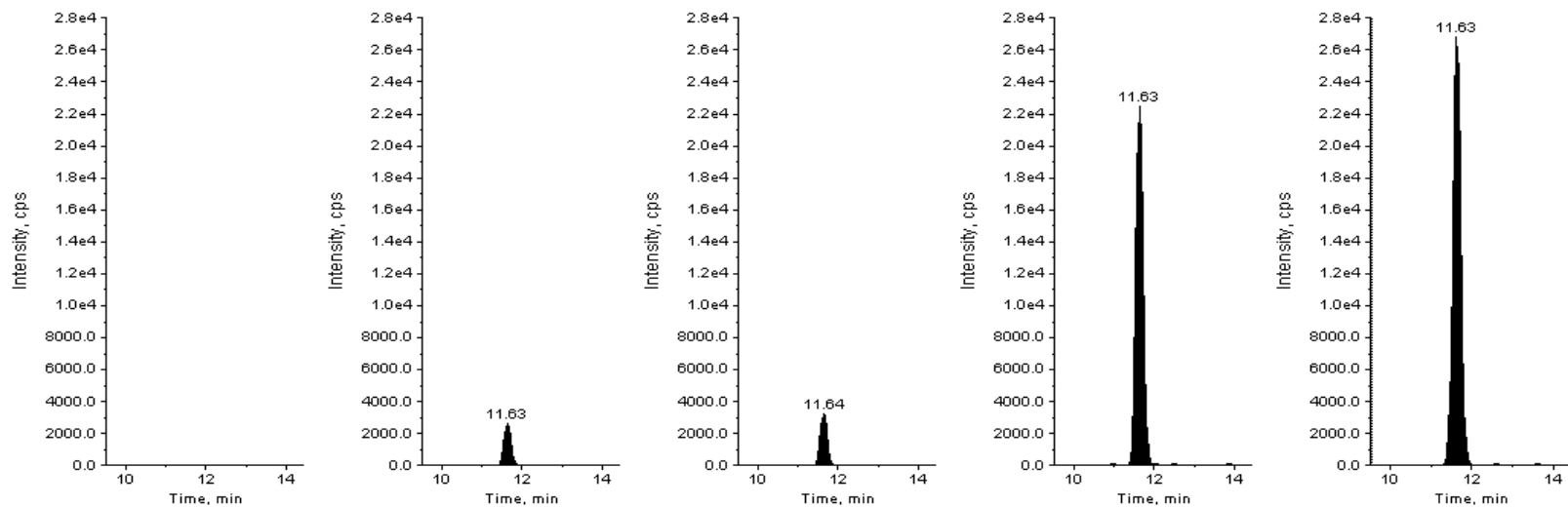


Figure: Second MRM of Metosulam: 418 amu $\rightarrow$ 140 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

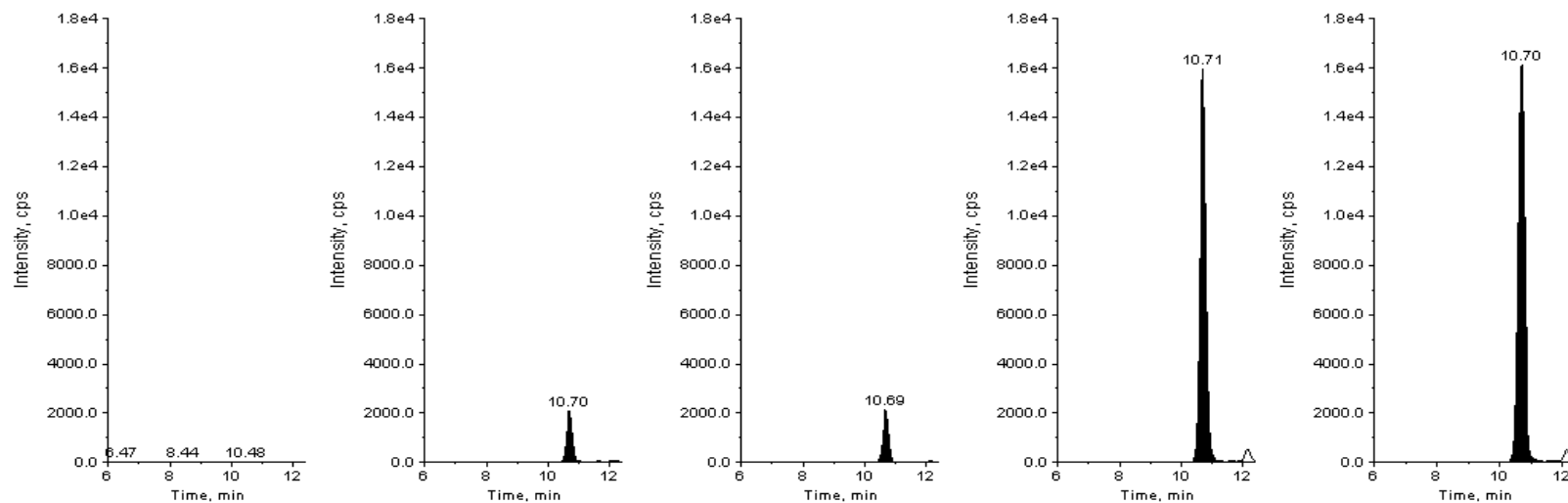


Figure: First MRM of Metoxuron: 229 amu → 156 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

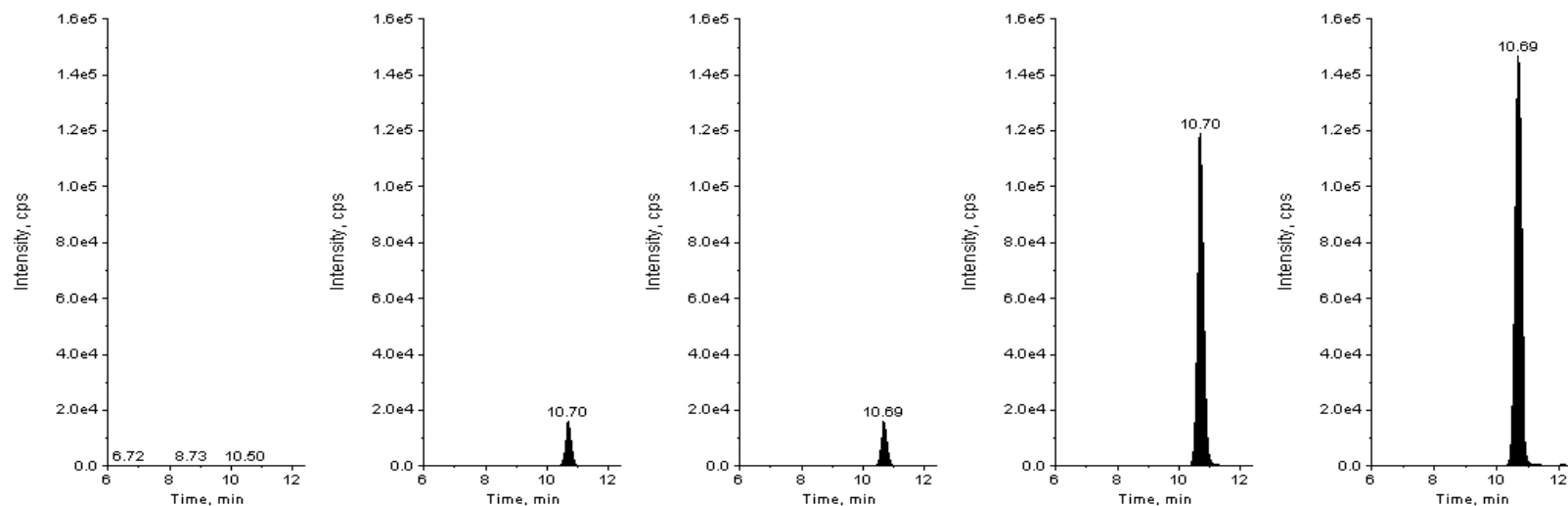


Figure: Second MRM of Metoxuron: 229 amu → 72 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

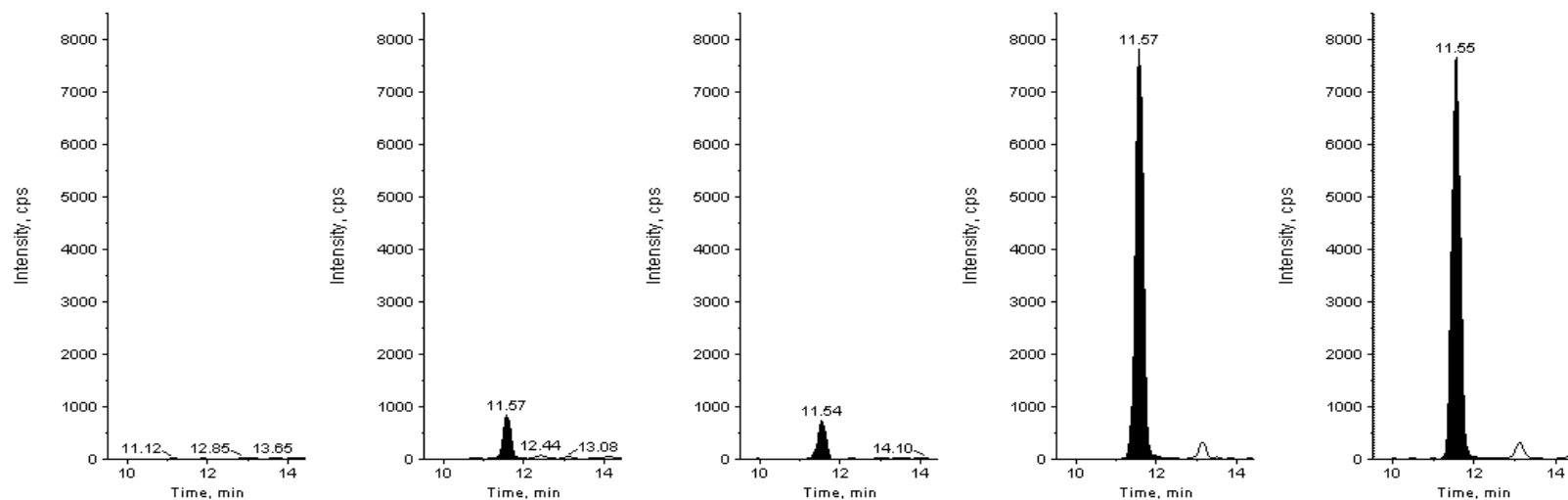


Figure: First MRM of Metribuzin: 215 amu → 187 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

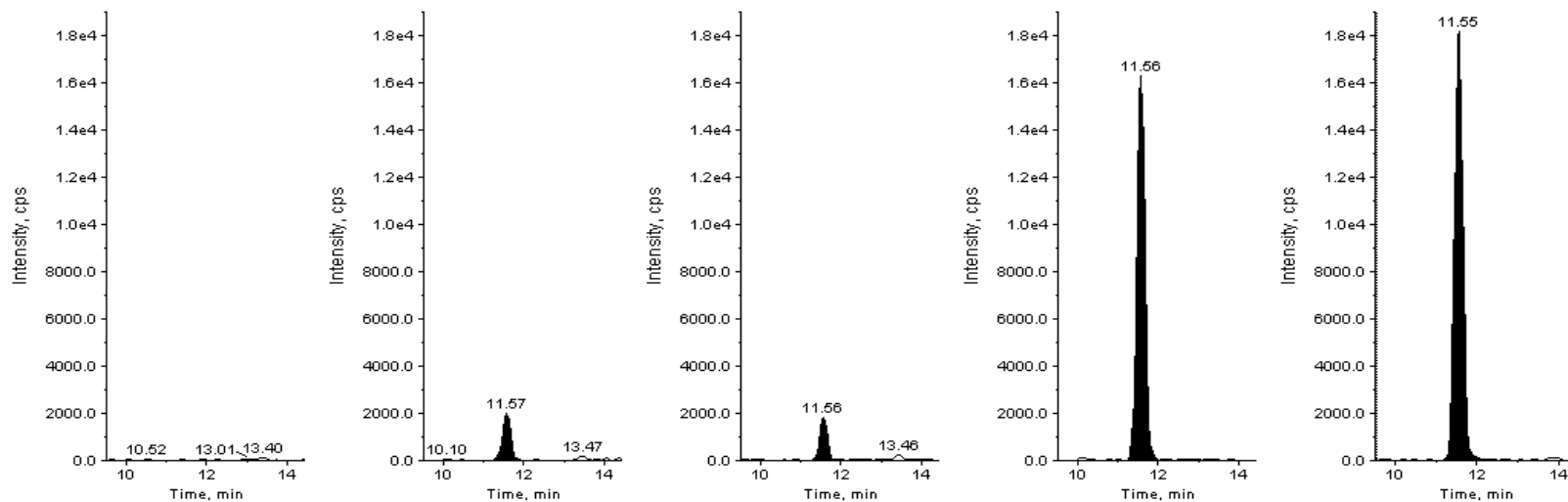


Figure: Second MRM of Metribuzin: 215 amu → 84 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

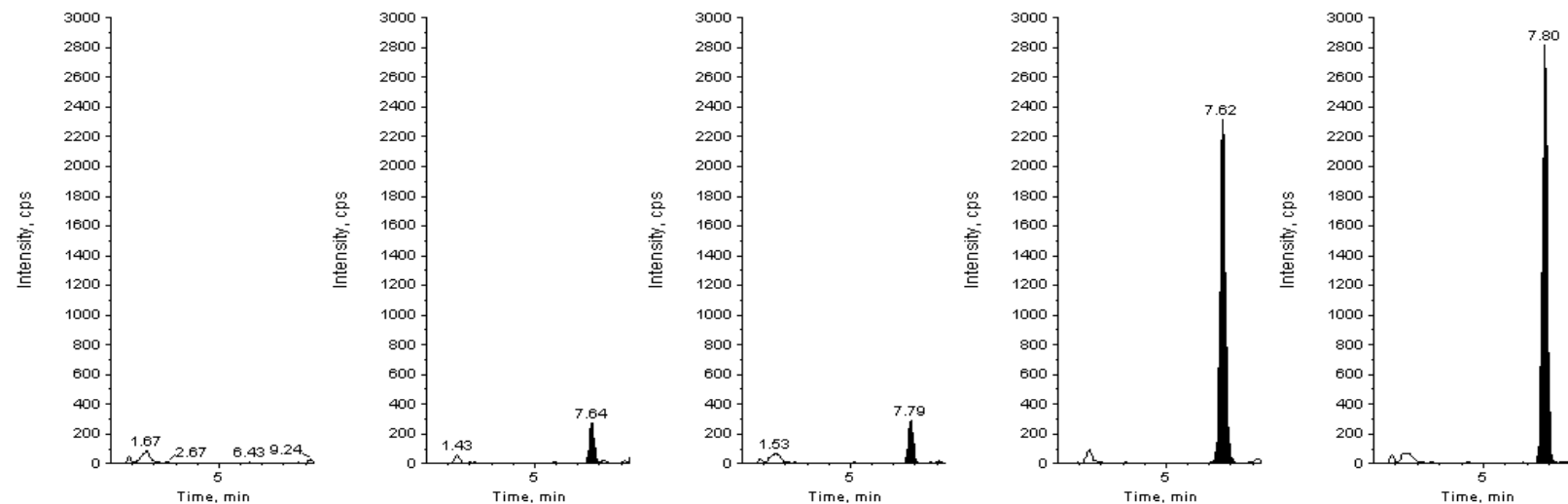


Figure: First MRM of Metsulfuron-methyl: 382 amu → 199 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

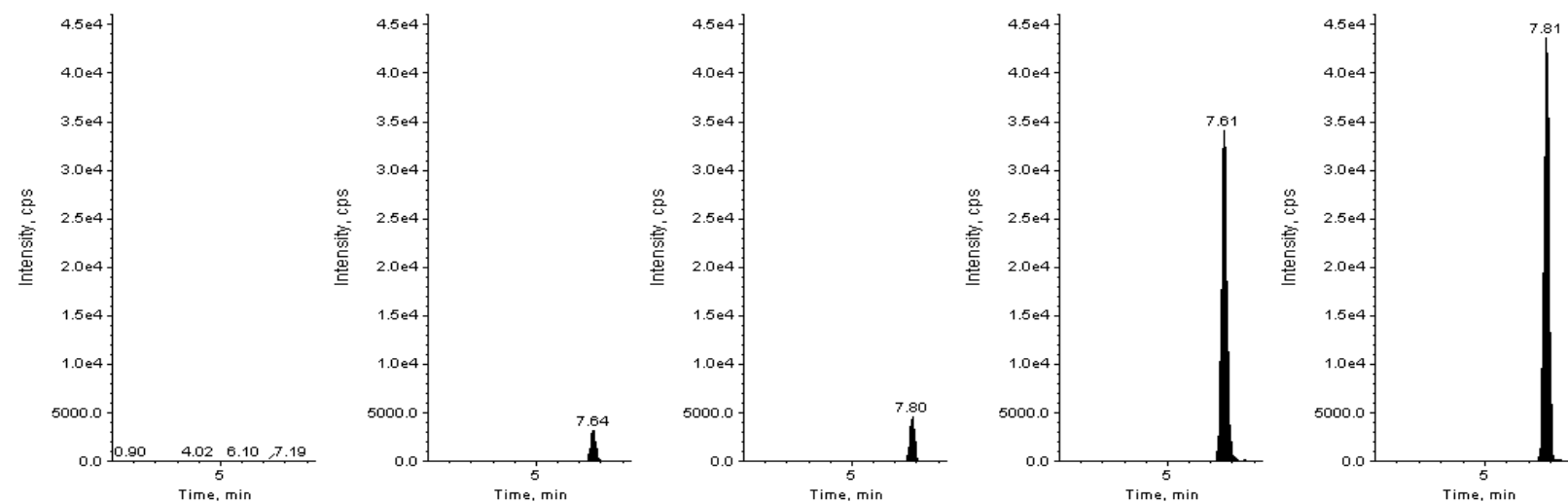


Figure: Second MRM of Metsulfuron-methyl: 382 amu → 167 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

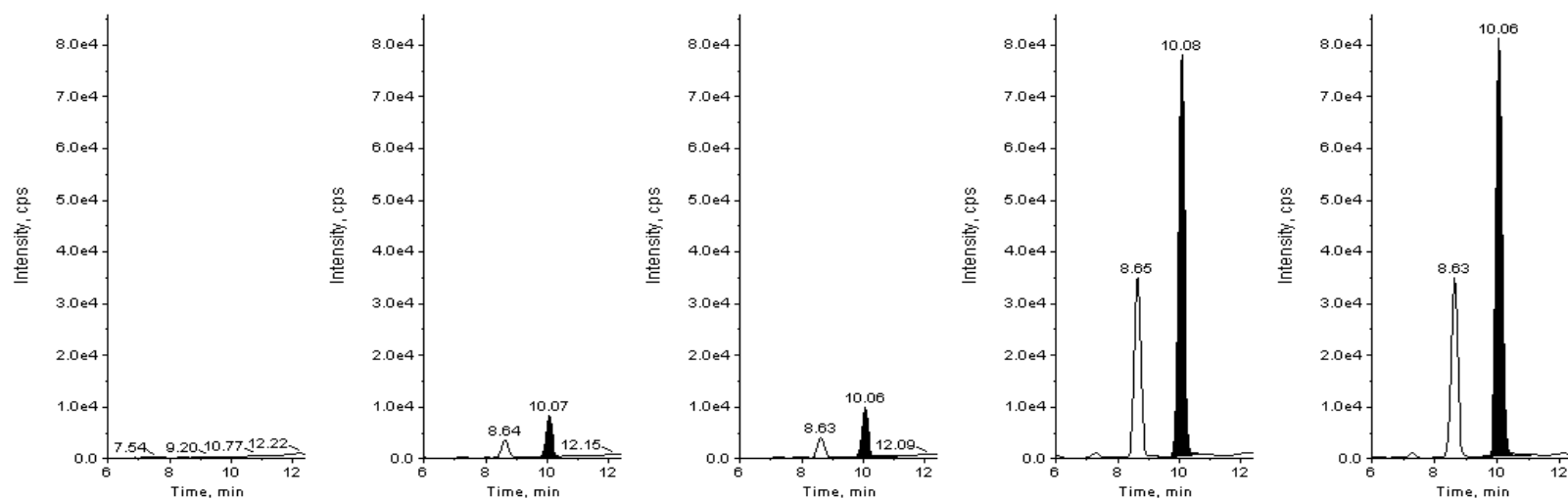


Figure: First MRM of Mevinphos: 225 amu $\rightarrow$ 193 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

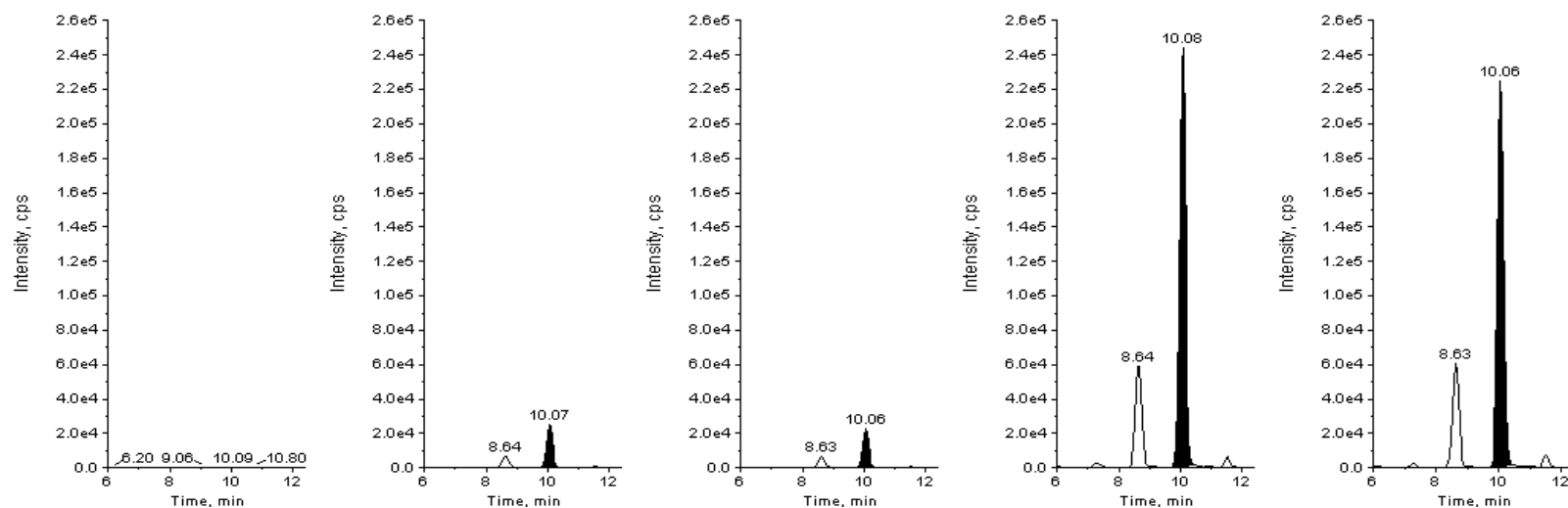


Figure: Second MRM of Mevinphos: 225 amu $\rightarrow$ 127 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

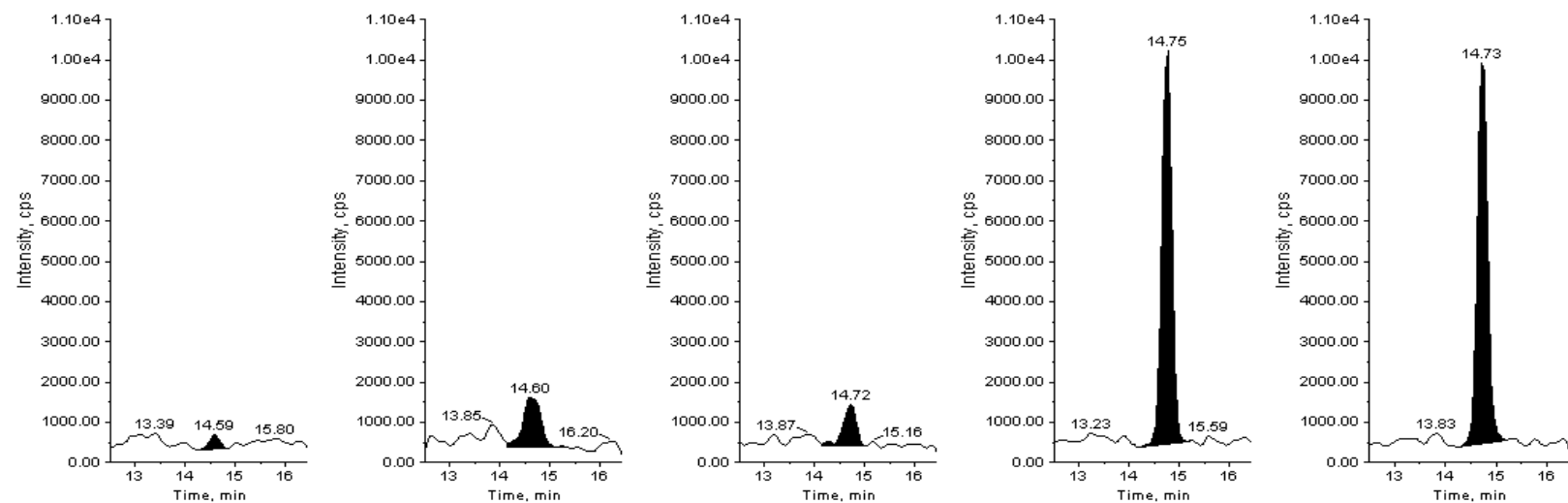


Figure: First MRM of Molinate: 188 amu → 83 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

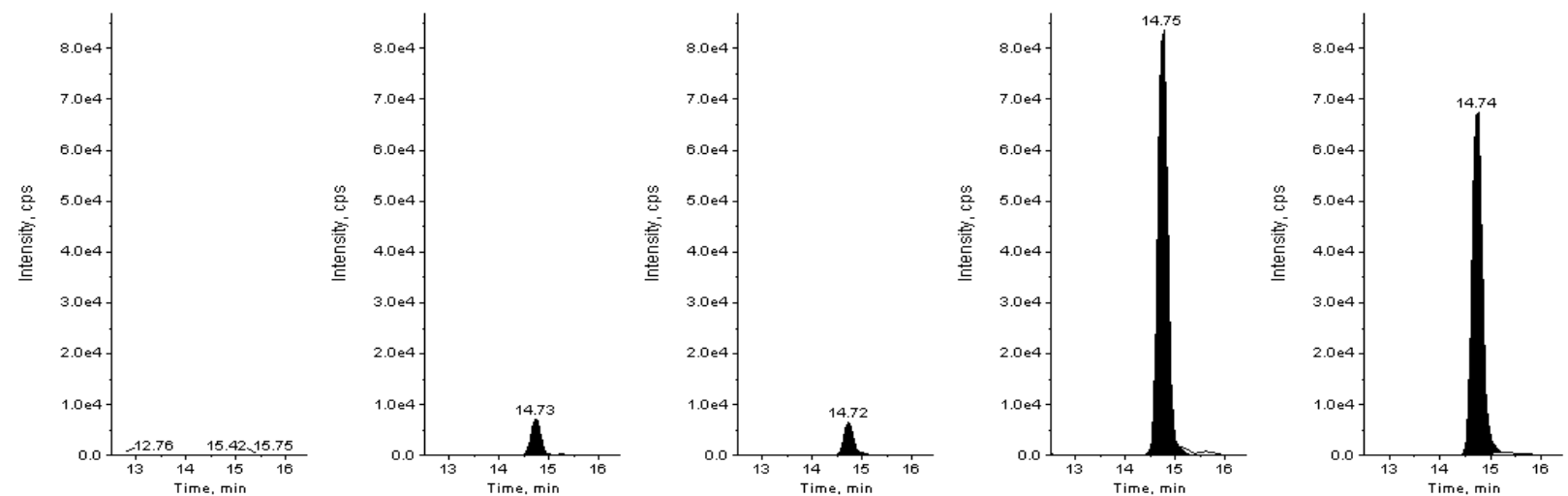


Figure: Second MRM of Molinate: 188 amu → 126 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

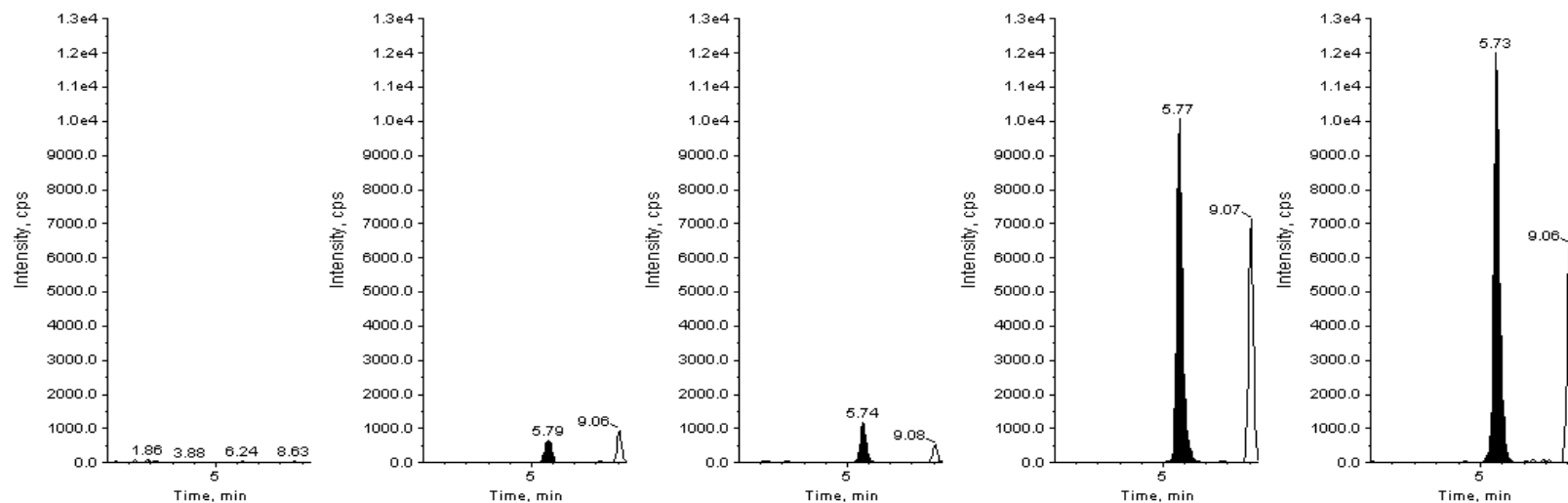


Figure: First MRM of Monocrotophos: 224 amu → 127 amu
(Control sample, standard 0.1µg/L, spiked sample 0.1µg/L, standard 1.0µg/L, spiked sample 1.0µg/L, from left to right)

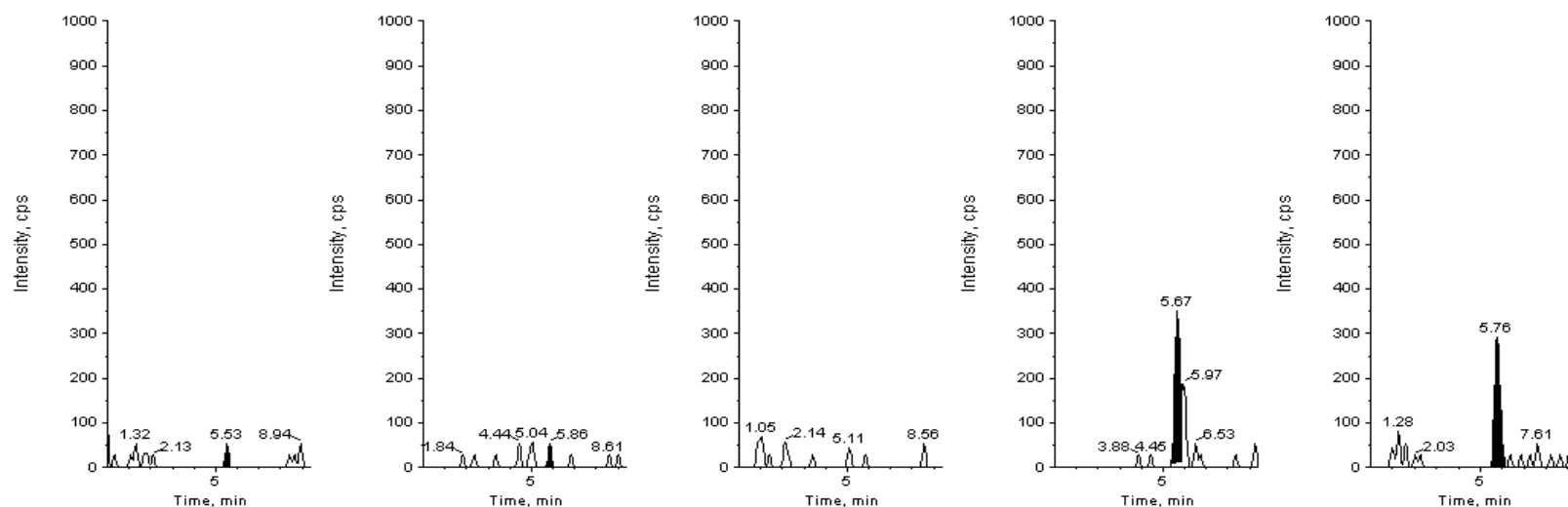


Figure: Second MRM of Monocrotophos: 224 amu → 98 amu
(Control sample, standard 0.1µg/L, spiked sample 0.1µg/L, standard 1.0µg/L, spiked sample 1.0µg/L, from left to right)

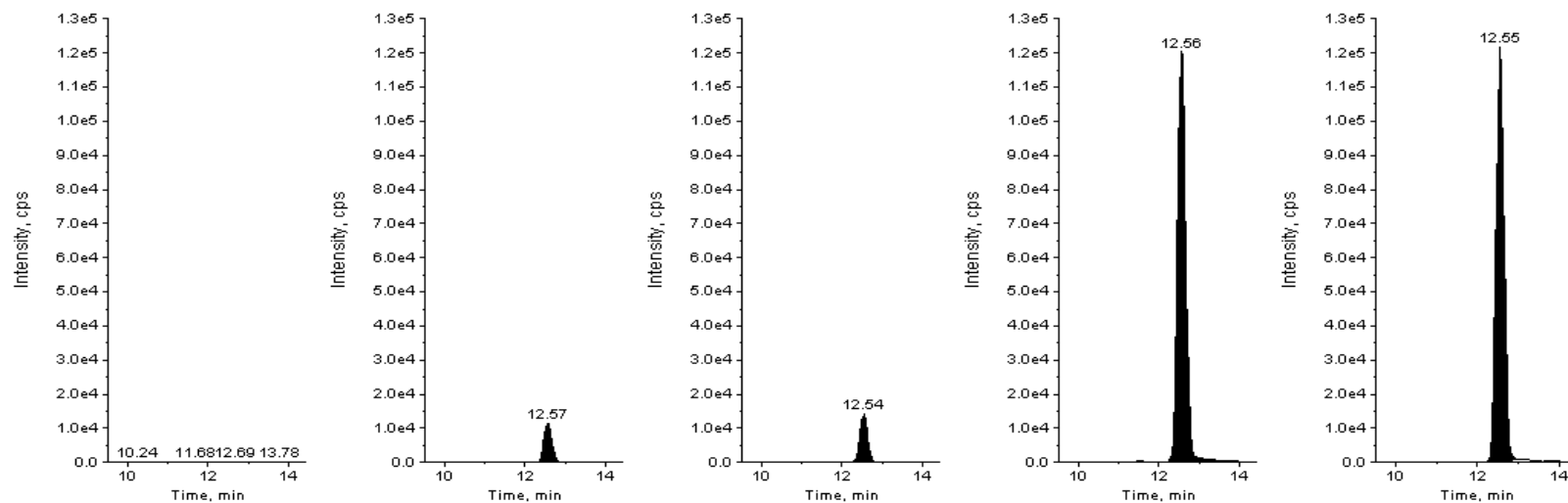


Figure: First MRM of Monolinuron: 215 amu → 126 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

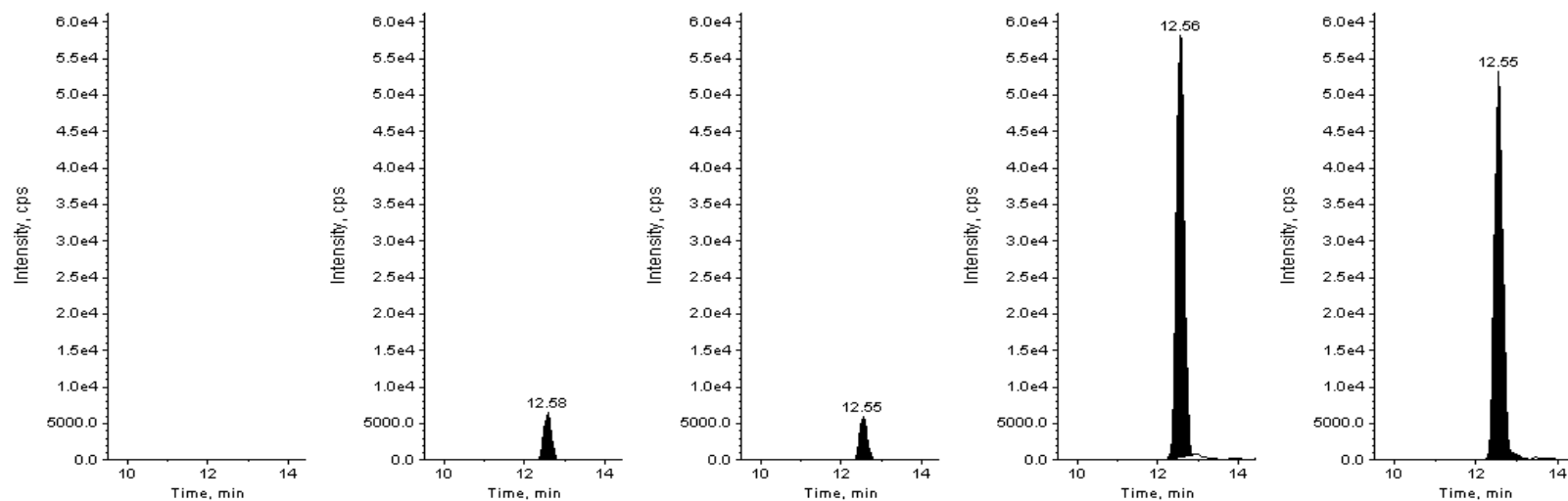


Figure: Second MRM of Monolinuron: 215 amu → 148 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

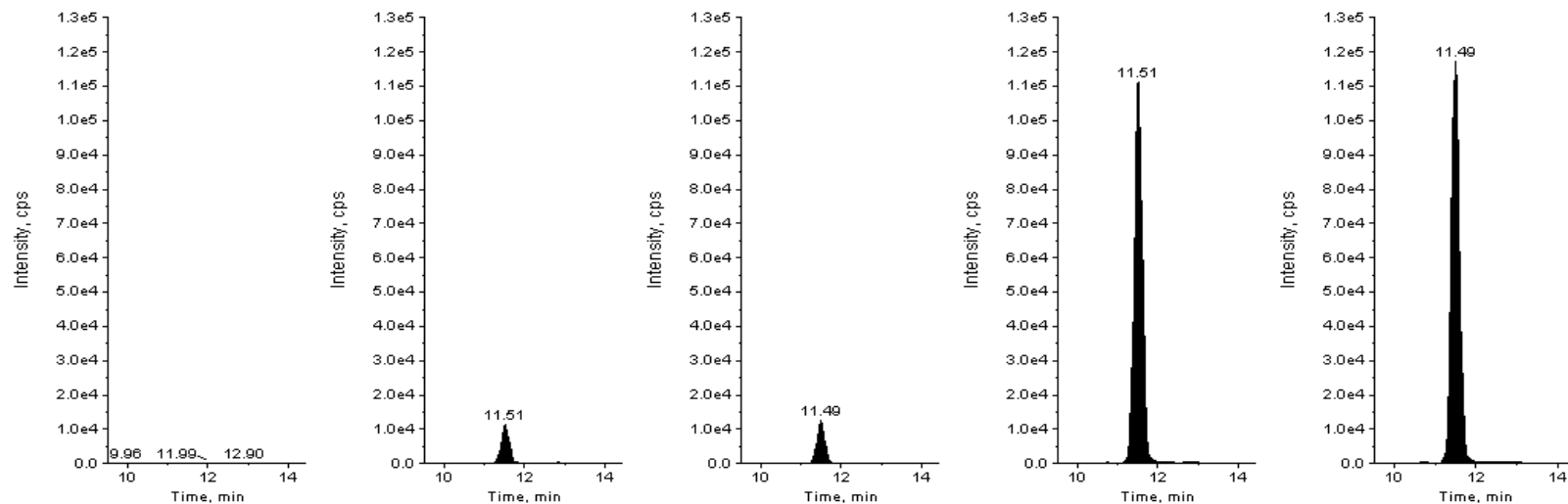


Figure: First MRM of Monuron: 199 amu $\rightarrow$ 72 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

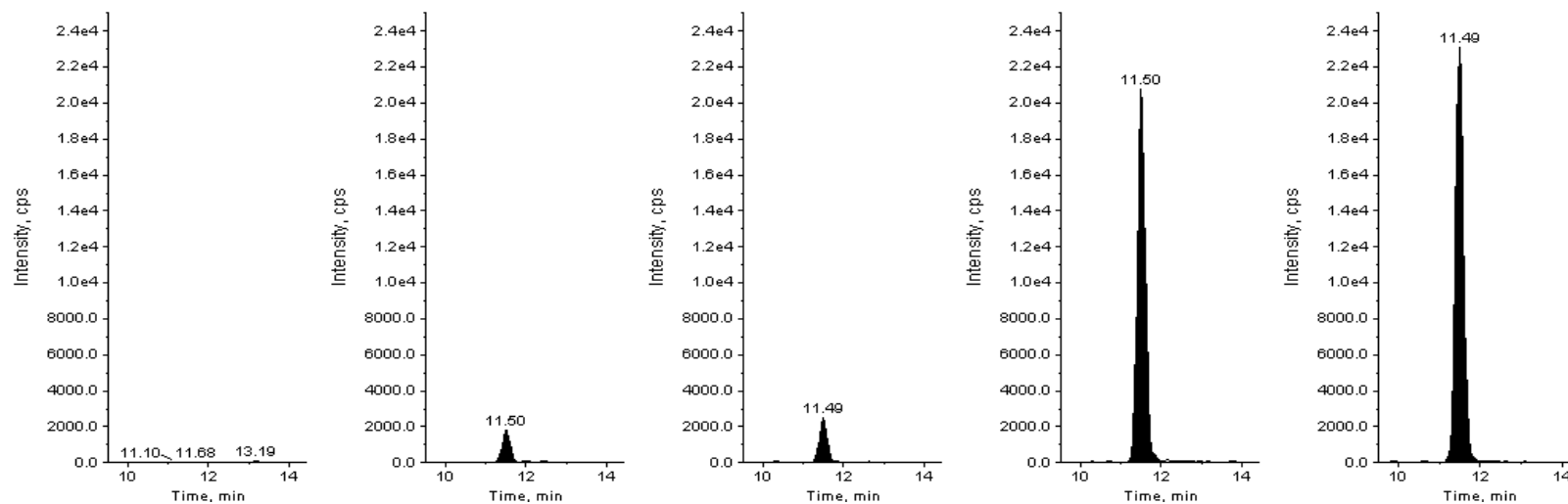


Figure: Second MRM of Monuron: 199 amu $\rightarrow$ 126 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

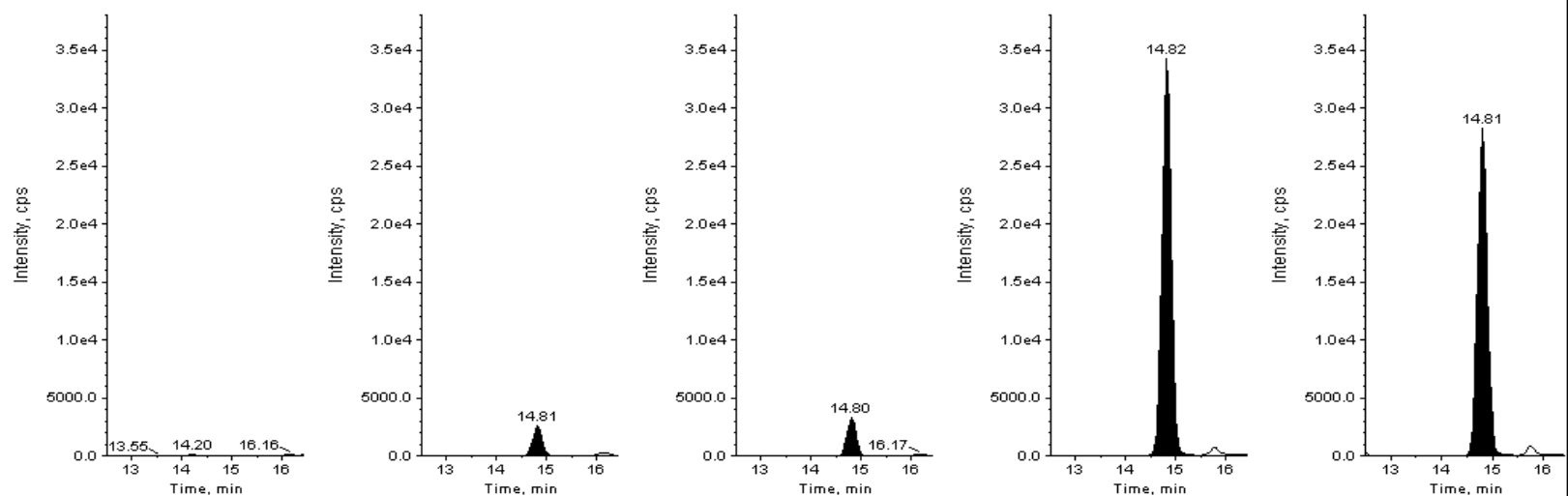


Figure: First MRM of Myclobutanil: 289 amu → 70 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

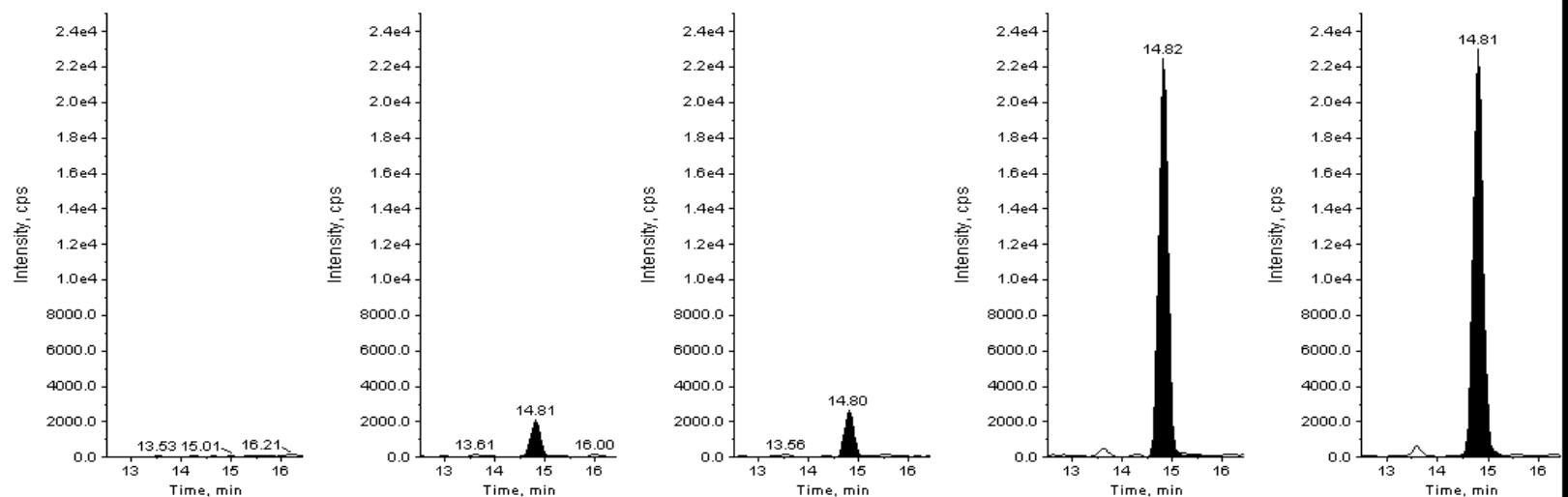


Figure: Second MRM of Myclobutanil: 289 amu → 125 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

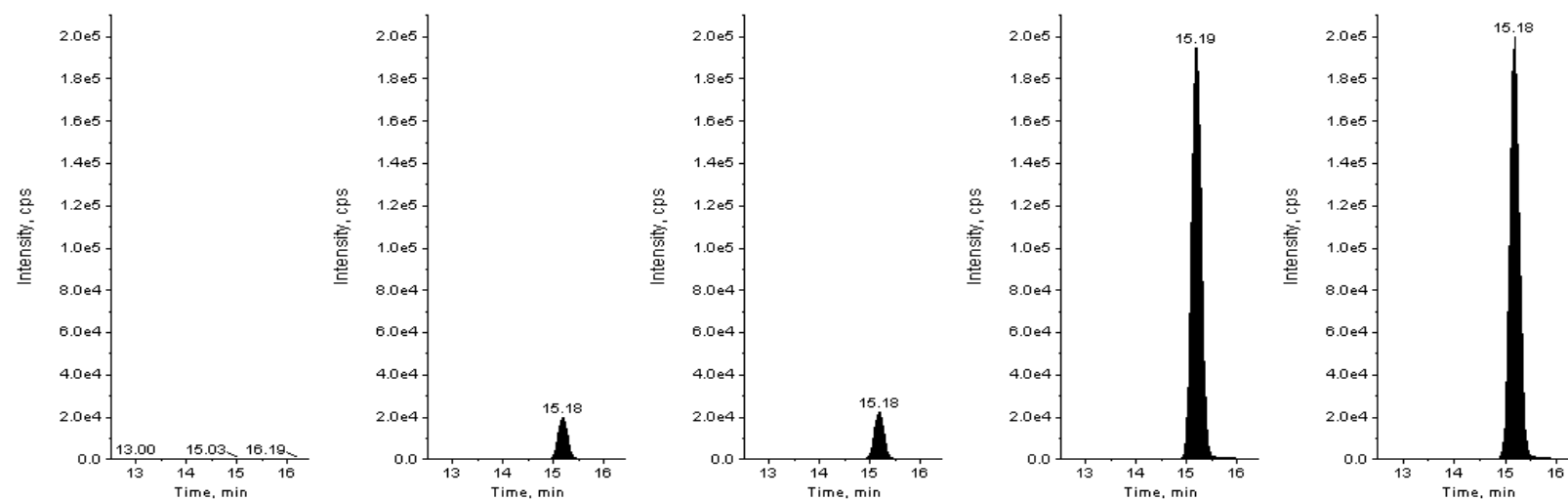


Figure: First MRM of Napropamide: 272 amu $\rightarrow$ 129 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

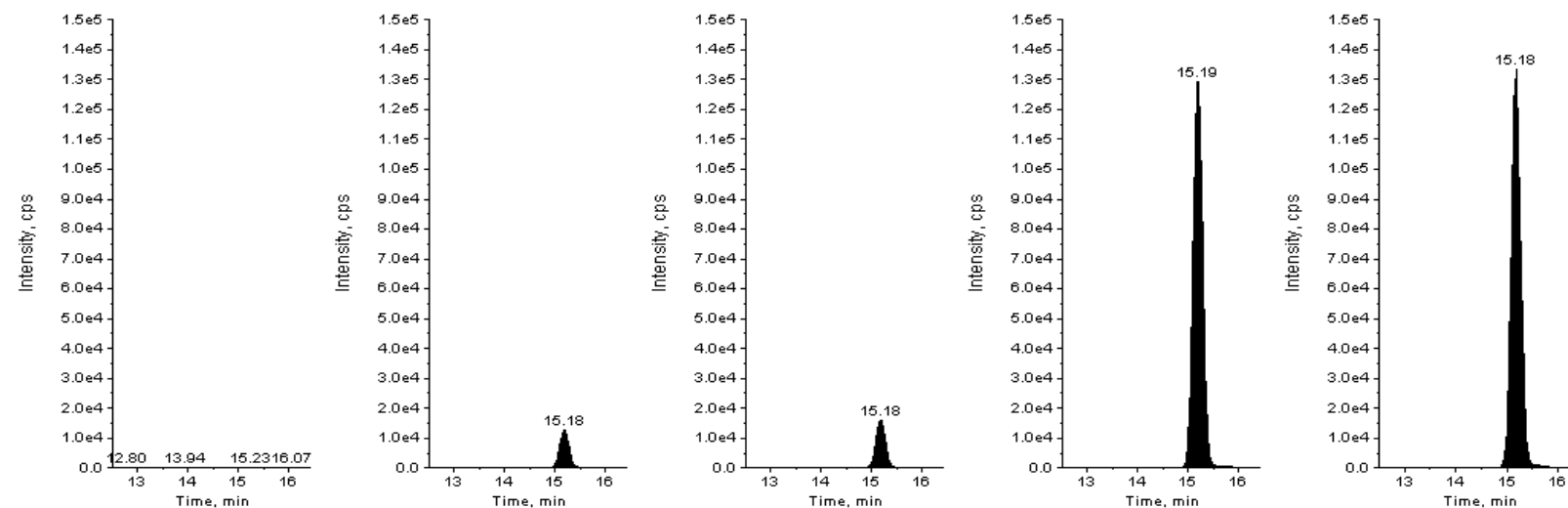


Figure: Second MRM of Napropamide: 272 amu $\rightarrow$ 171 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

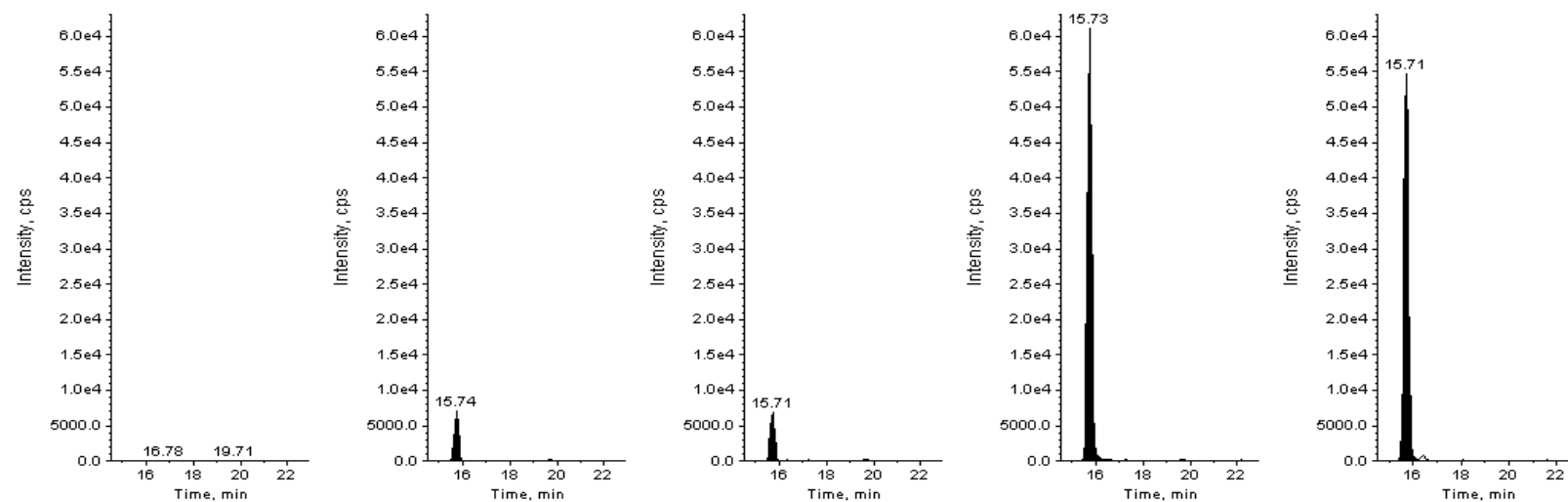


Figure: First MRM of Neburon: 275 amu $\rightarrow$ 88 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

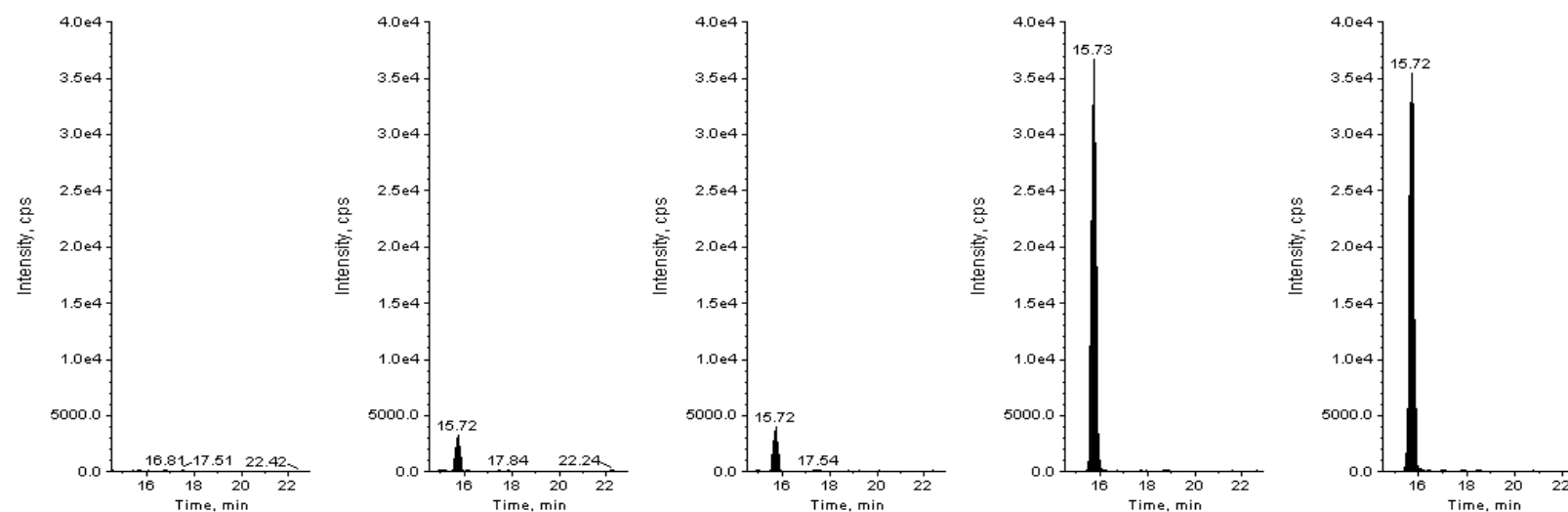


Figure: Second MRM of Neburon: 275 amu $\rightarrow$ 114 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

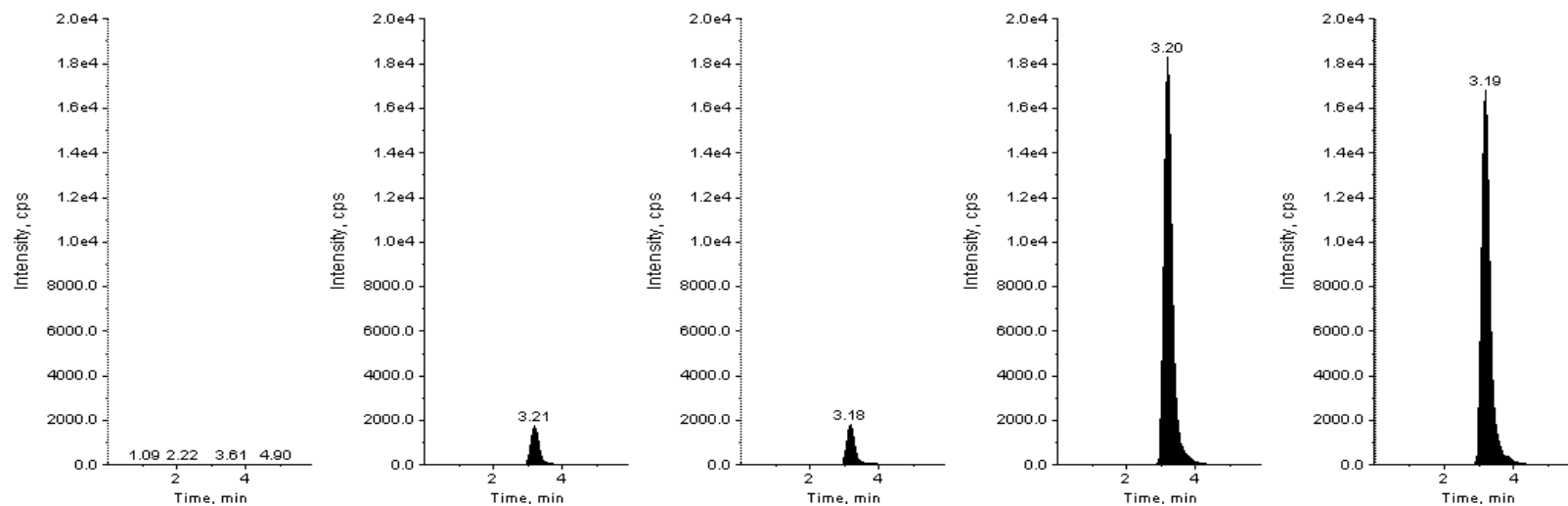


Figure: First MRM of Nitenpyram: 271 amu → 126 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

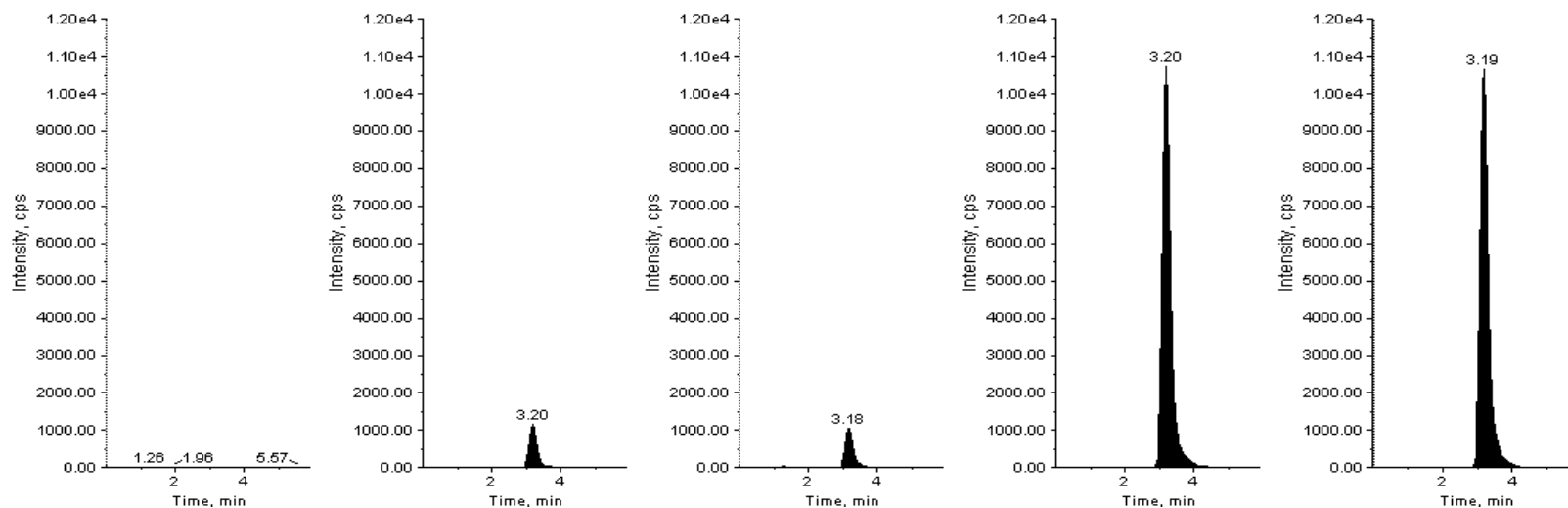


Figure: Second MRM of Nitenpyram: 271 amu → 237 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

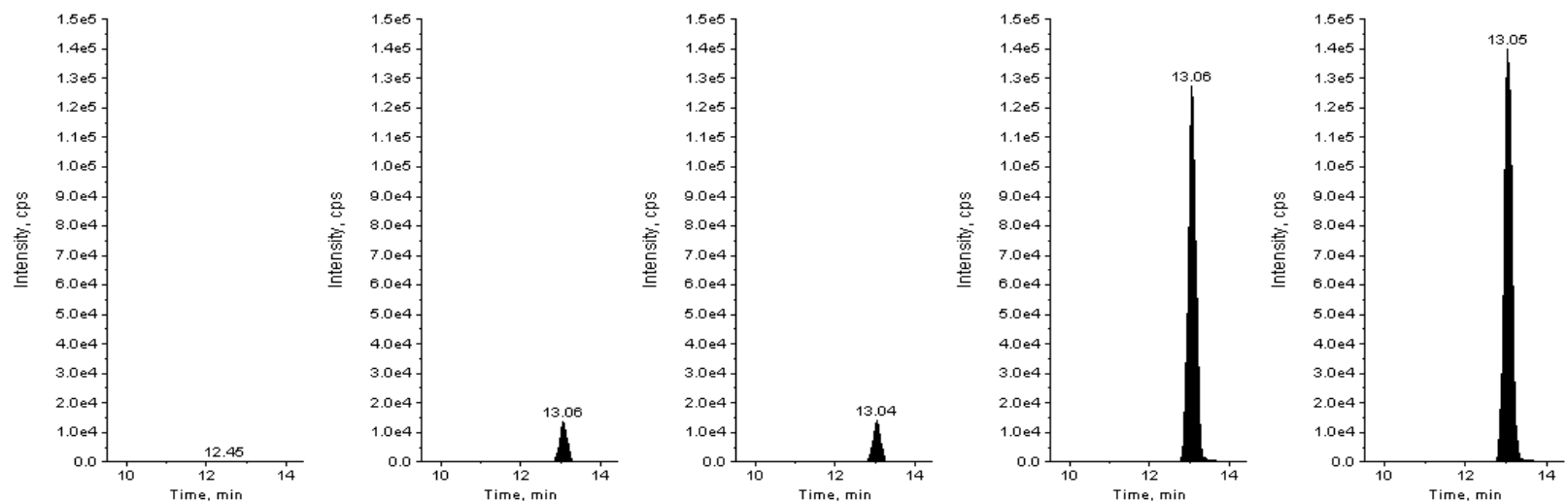


Figure: First MRM of Norflurazon-desmethyl: 290 amu $\rightarrow$ 270 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

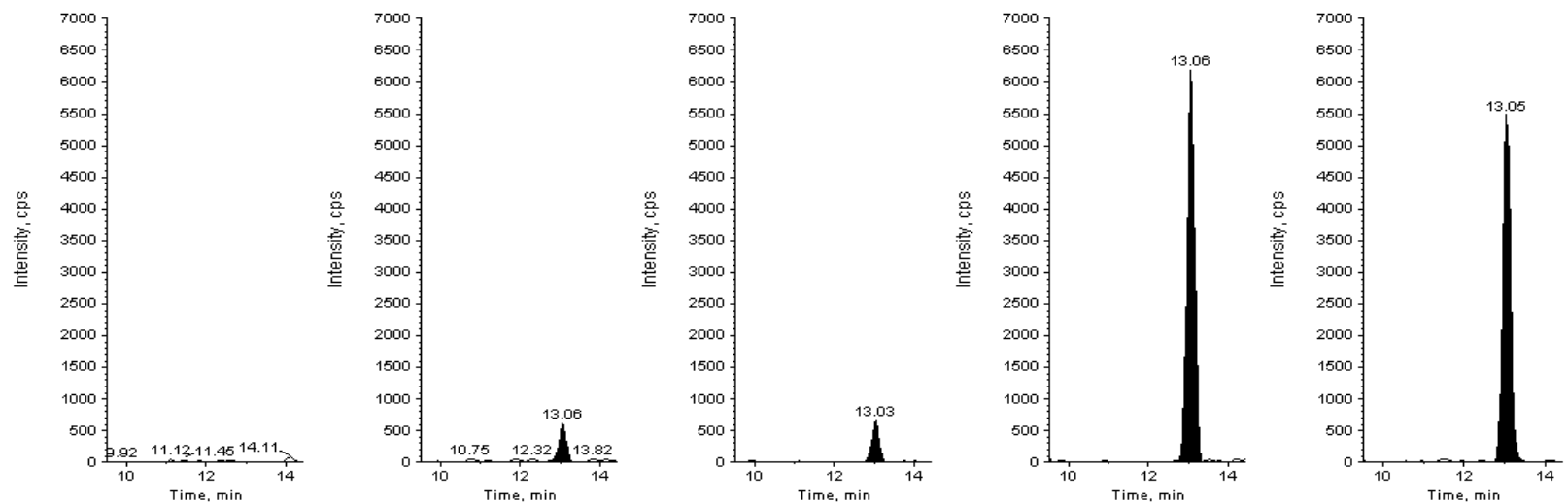


Figure: Second MRM of Norflurazon-desmethyl: 290 amu $\rightarrow$ 160 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

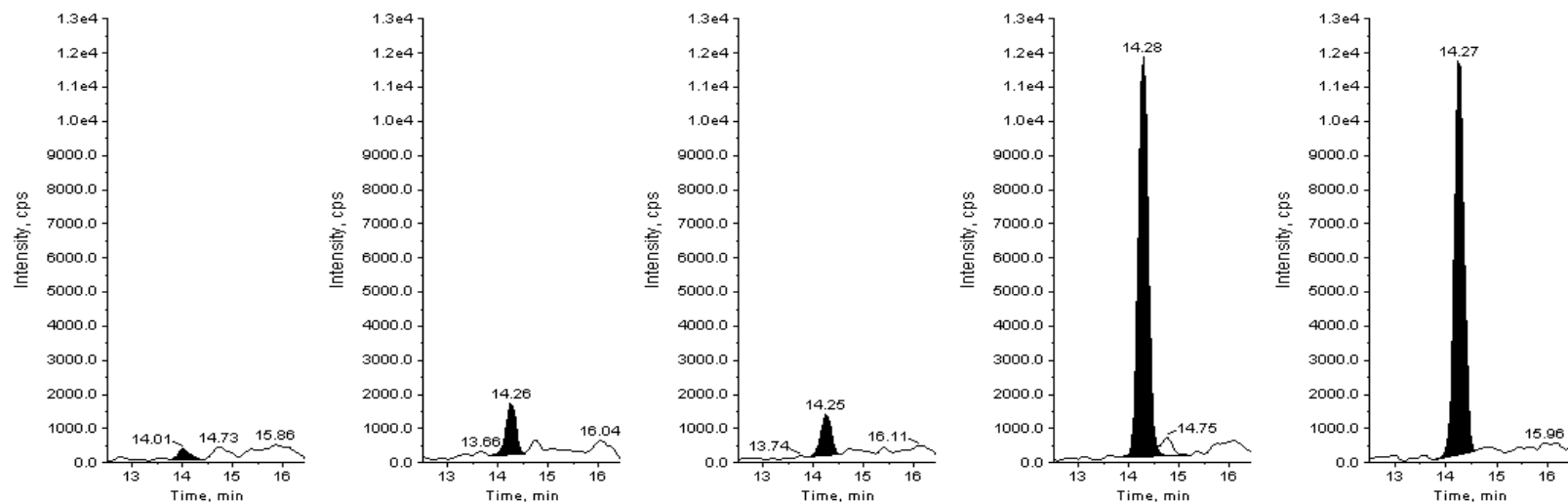


Figure: First MRM of Nuairimol: 315 amu $\rightarrow$ 81 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

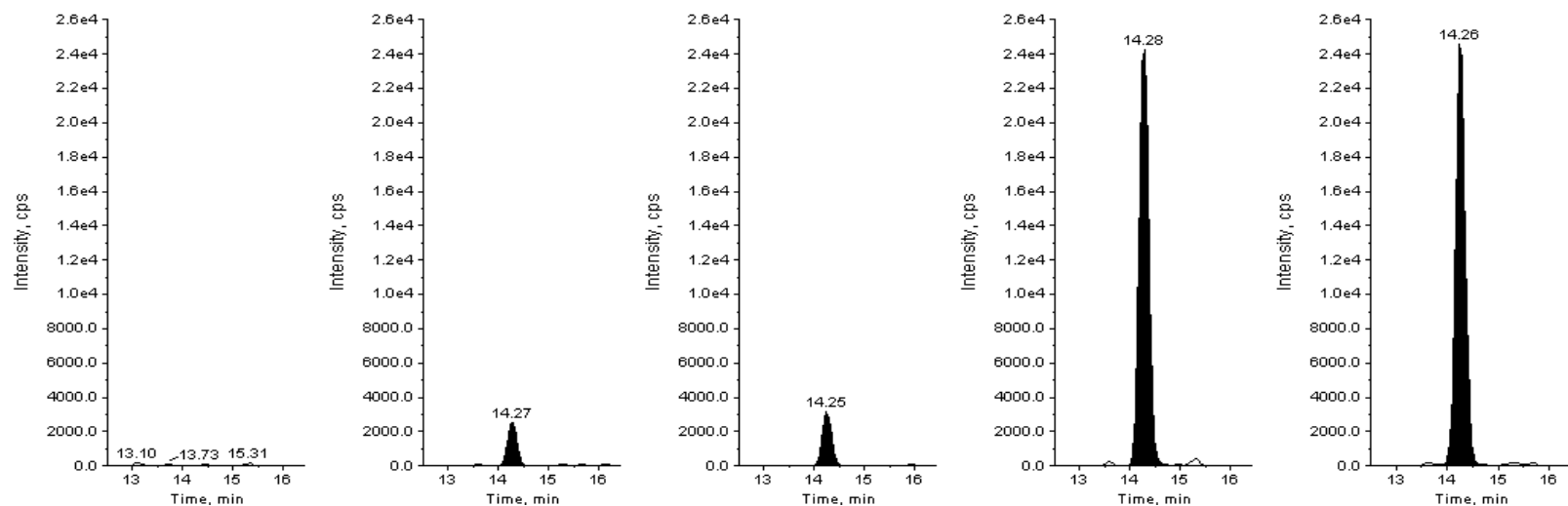


Figure: Second MRM of Nuairimol: 315 amu $\rightarrow$ 252 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

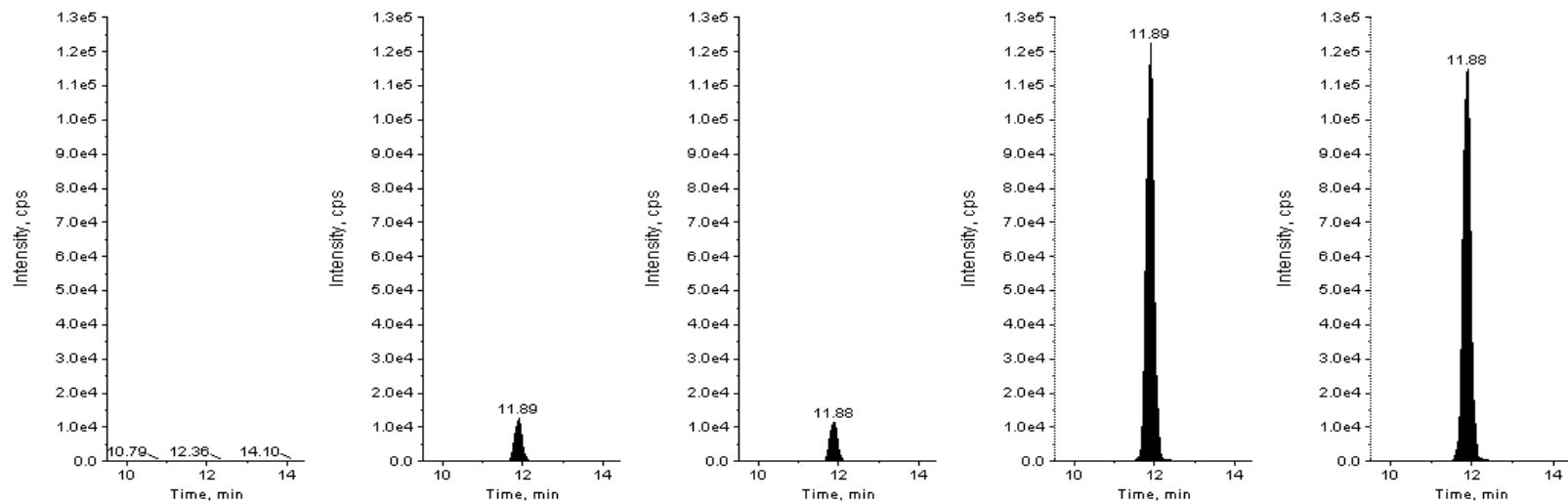


Figure: First MRM of Ofurace: 282 amu $\rightarrow$ 254 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

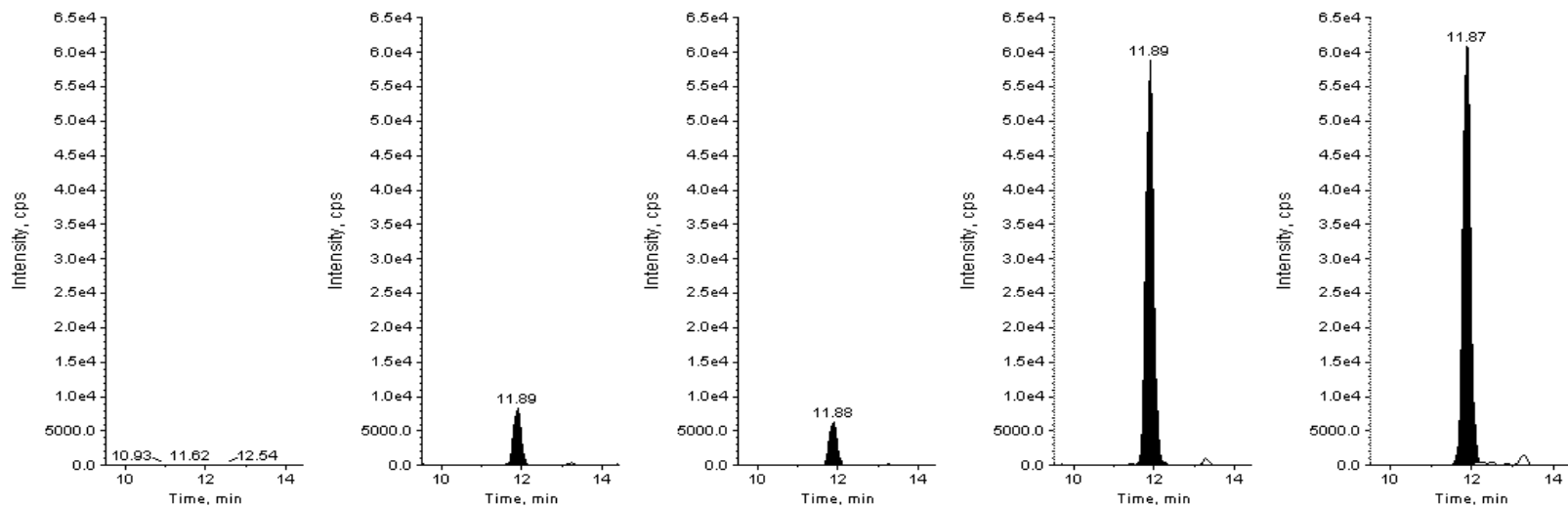


Figure: Second MRM of Ofurace: 282 amu $\rightarrow$ 160 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

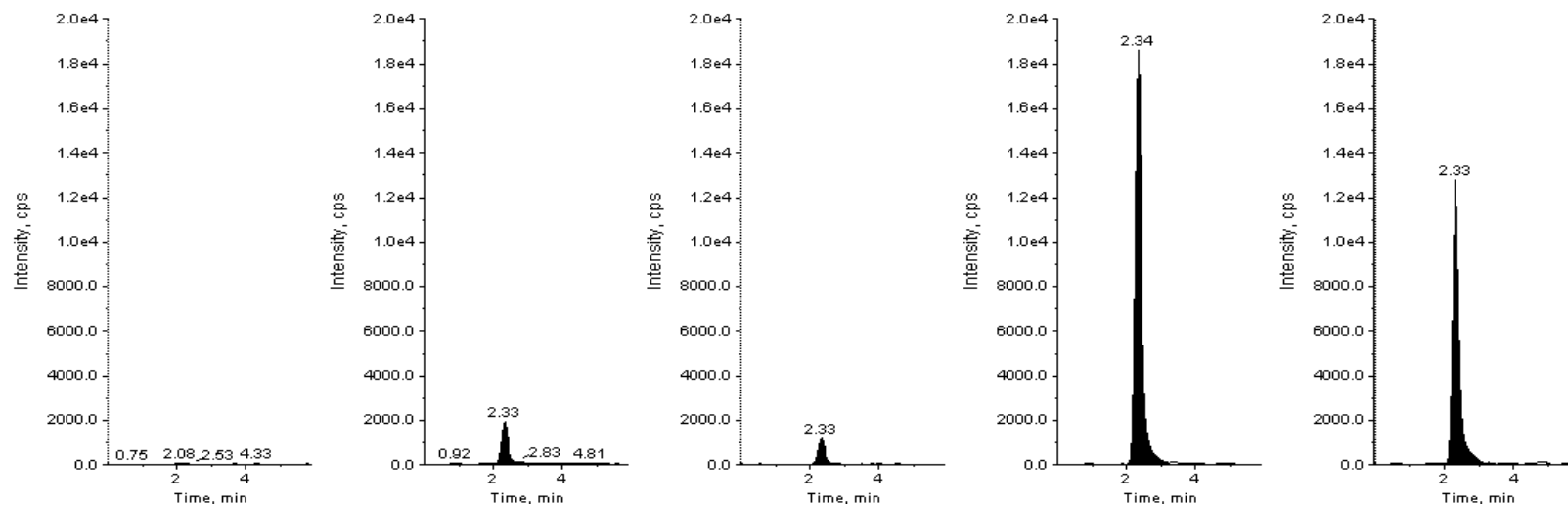


Figure: First MRM of Omethoat: 214 amu → 109 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

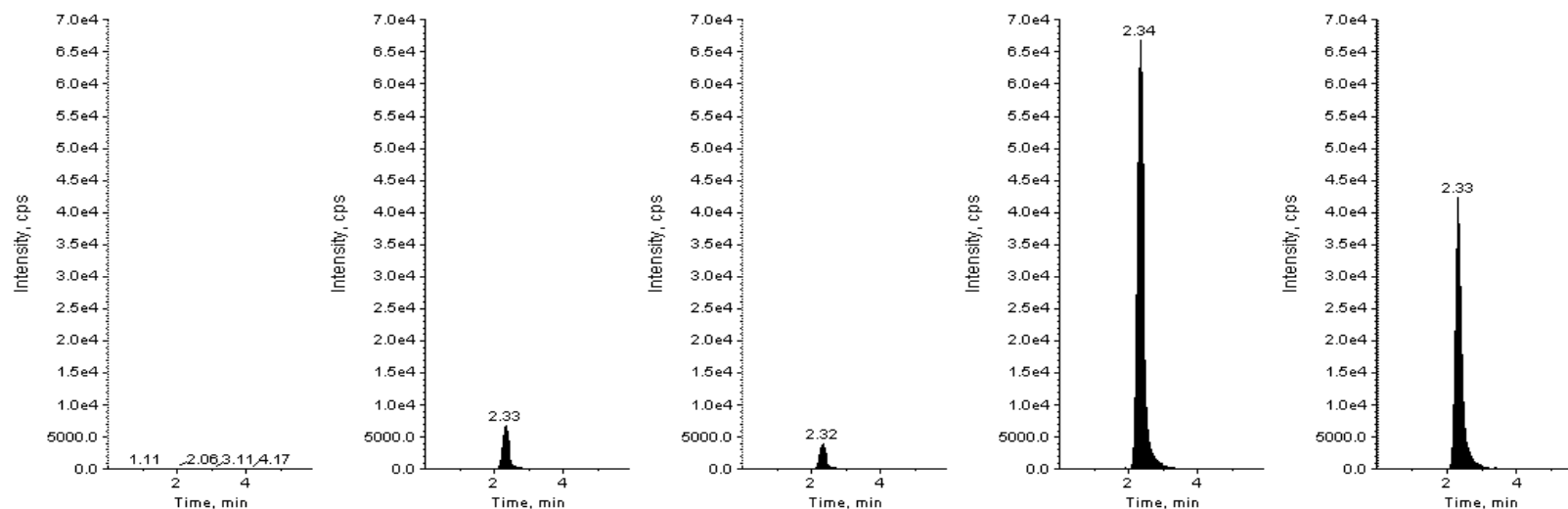


Figure: Second MRM of Omethoat: 214 amu → 125 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

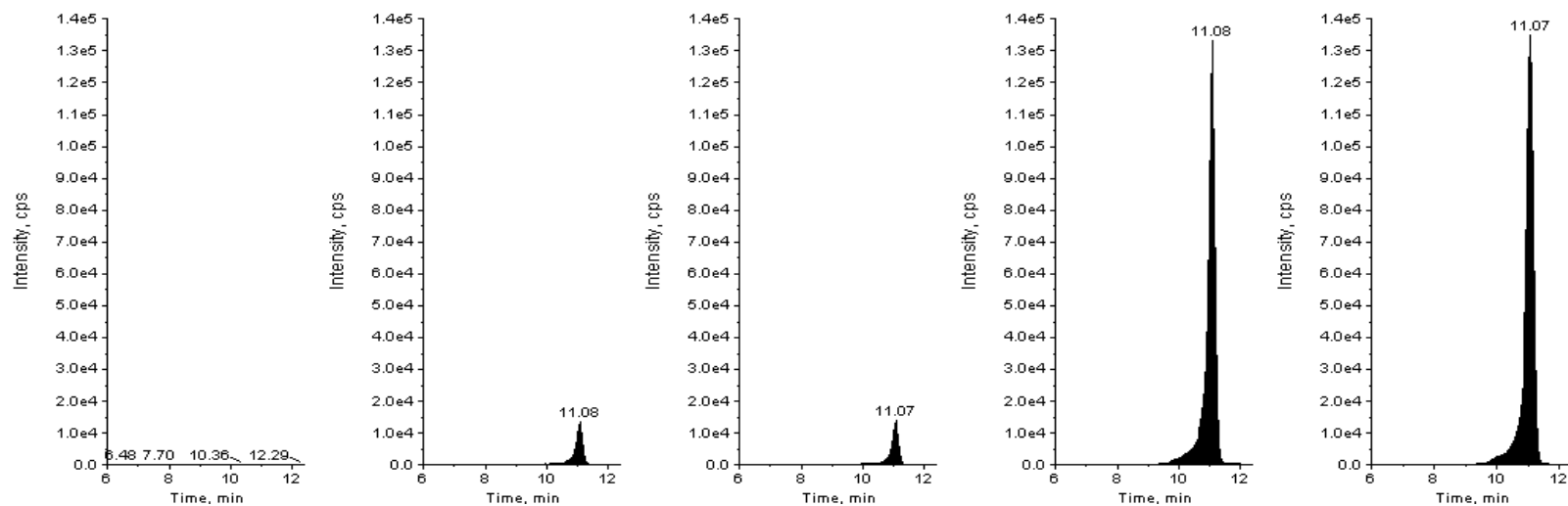


Figure: First MRM of Oxadixyl: 279 amu $\rightarrow$ 219 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

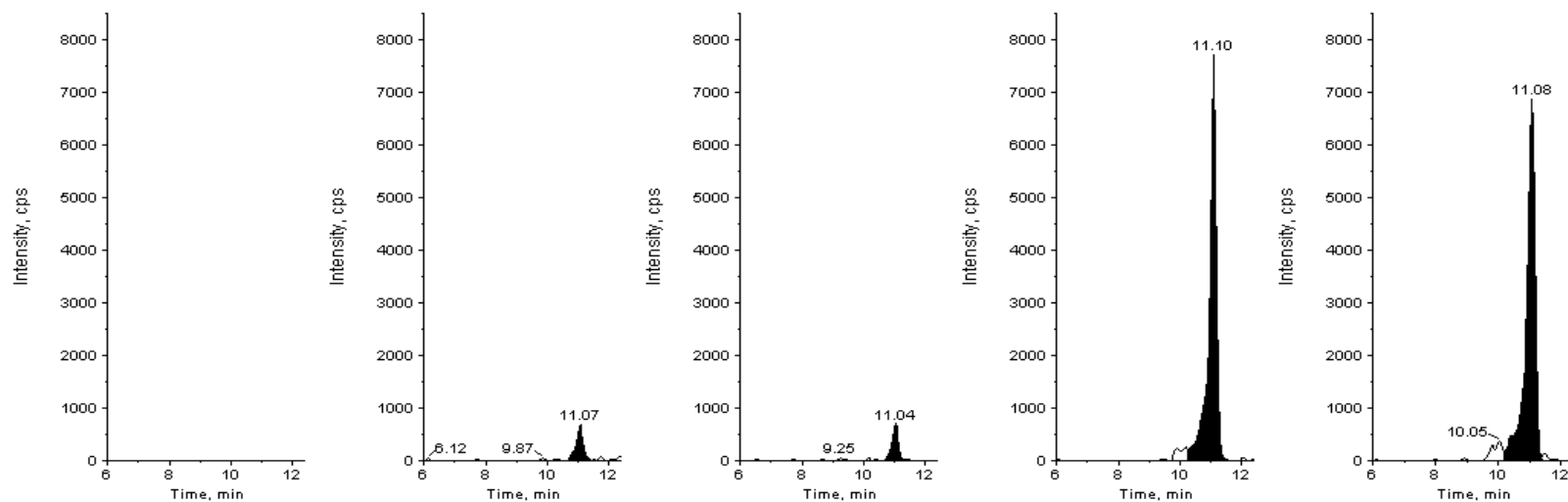


Figure: Second MRM of Oxadixyl: 279 amu $\rightarrow$ 133 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

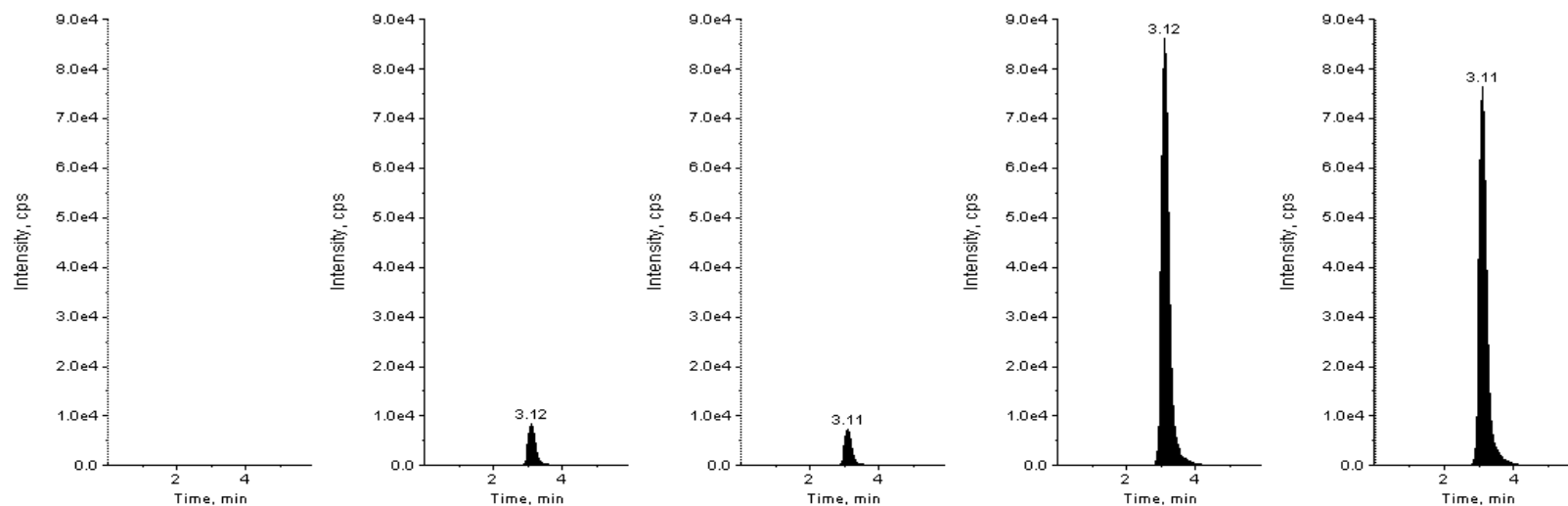


Figure: First MRM of Oxamyl: 237 amu $\rightarrow$ 72 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

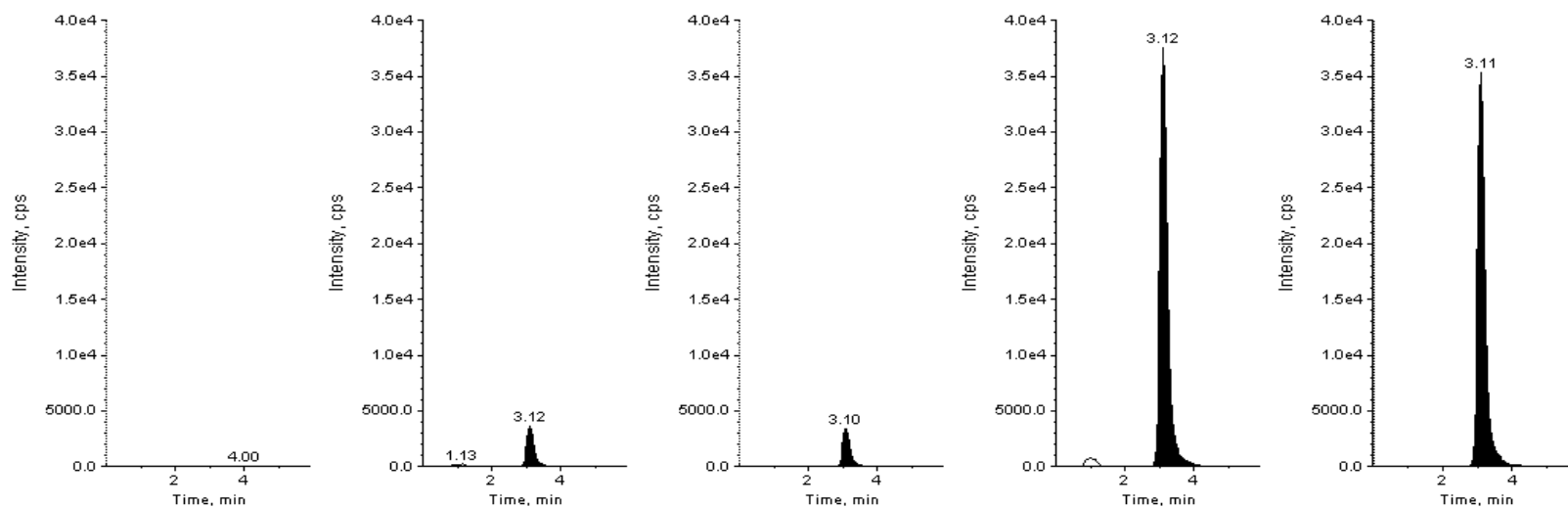


Figure: Second MRM of Oxamyl: 237 amu $\rightarrow$ 90 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

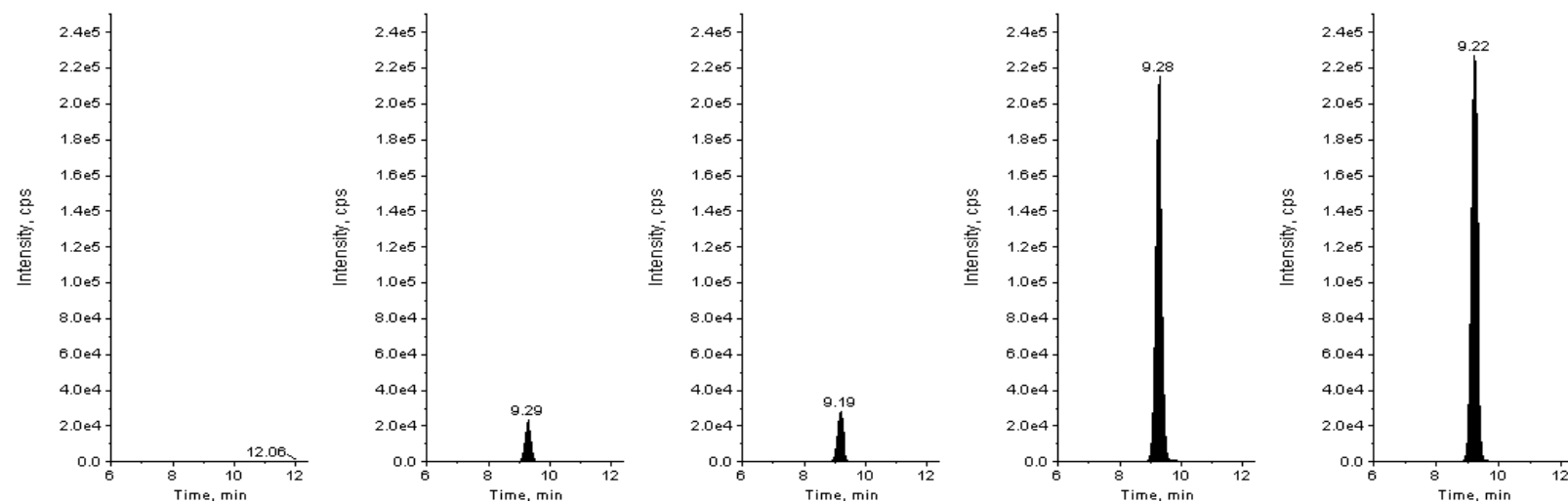


Figure: First MRM of «Pesticide»: «Q1_Mass_amu» amu → «Q3_Mass_amu» amu
(Control sample, standard 0.1µg/L, spiked sample 0.1µg/L, standard 1.0µg/L, spiked sample 1.0µg/L, from left to right)

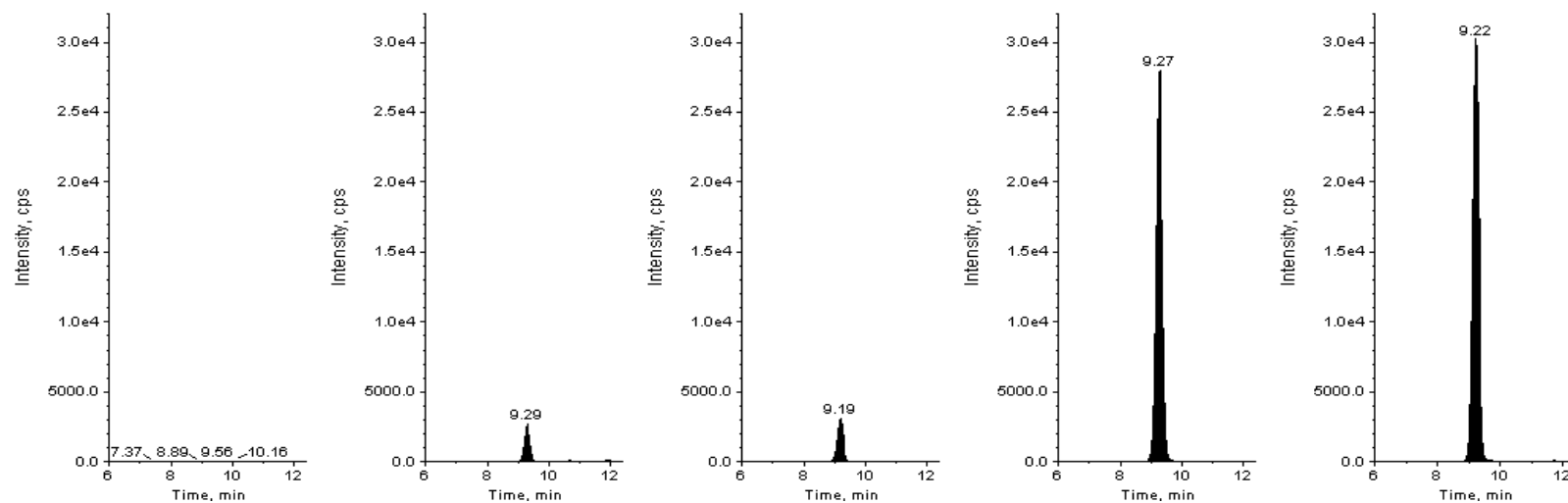


Figure: Second MRM of «Pesticide»: «Q1_Mass_2_amu» amu → «Q3_Mass_2_amu» amu
(Control sample, standard 0.1µg/L, spiked sample 0.1µg/L, standard 1.0µg/L, spiked sample 1.0µg/L, from left to right)

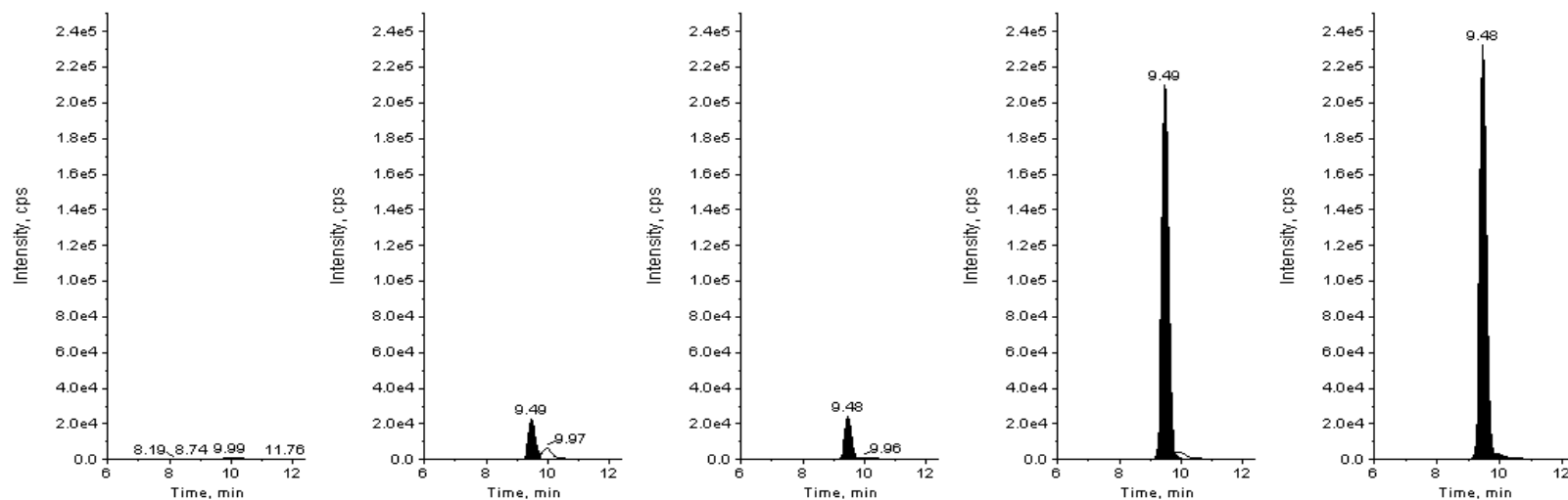


Figure: First MRM of Oxycarboxin: 268 amu → 175 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

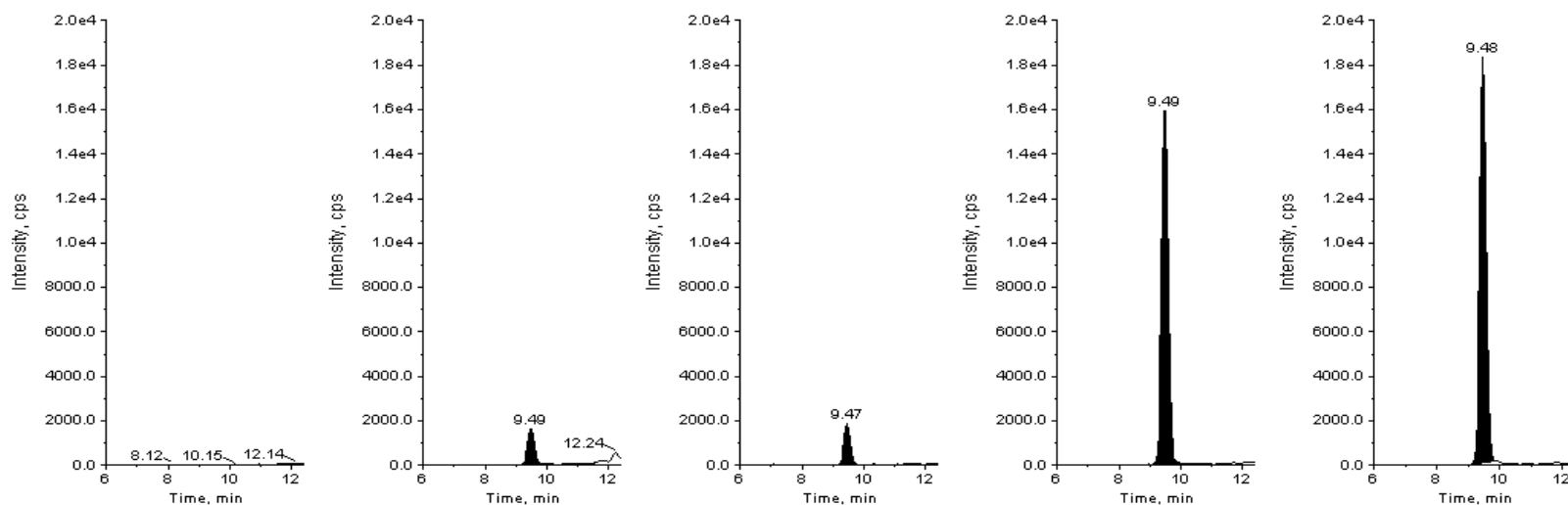


Figure: Second MRM of Oxycarboxin: 268 amu → 147 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

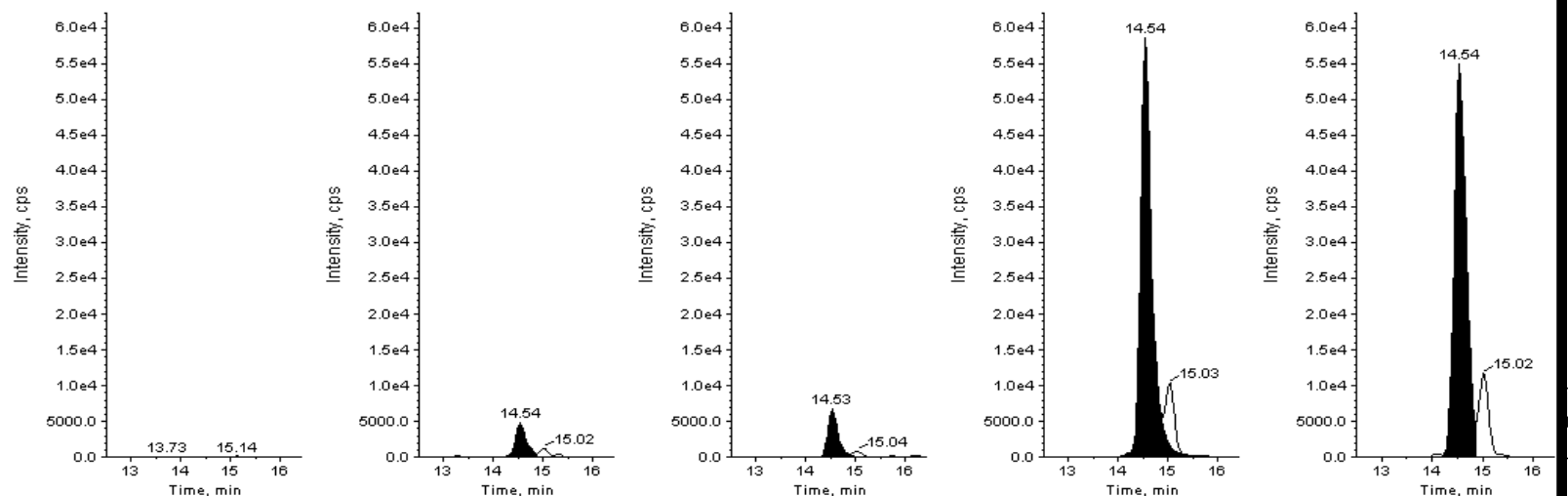


Figure: First MRM of Paclobutrazol: 294 amu $\rightarrow$ 70 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

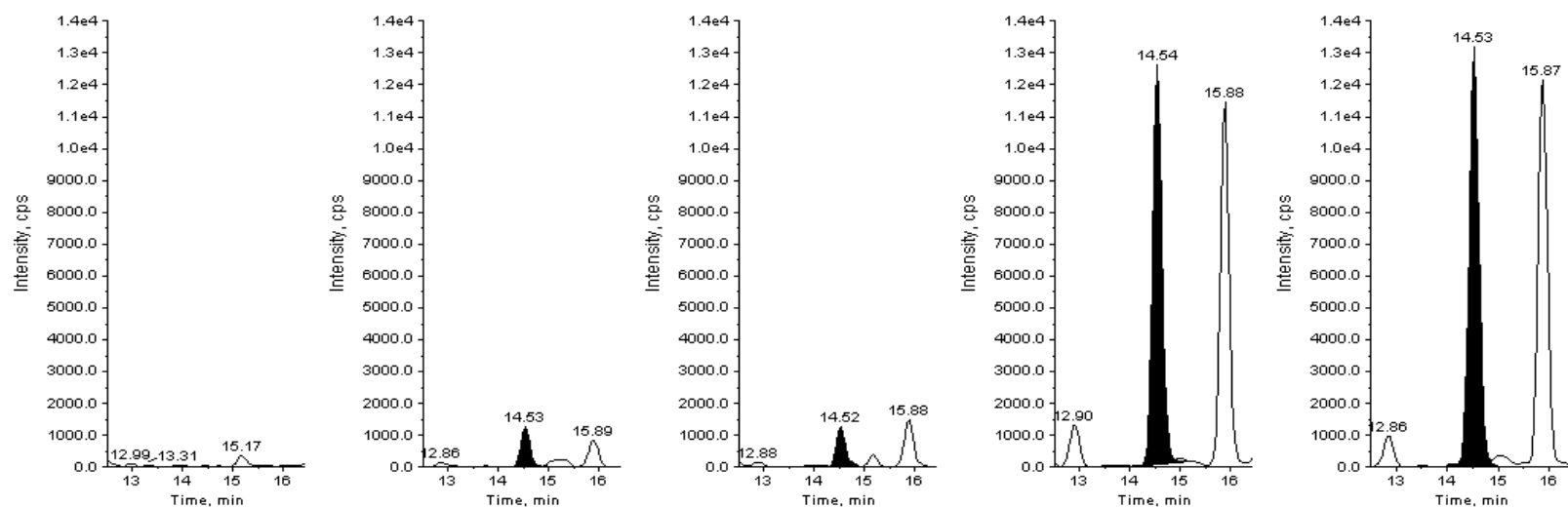


Figure: Second MRM of Paclobutrazol: 294 amu $\rightarrow$ 125 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

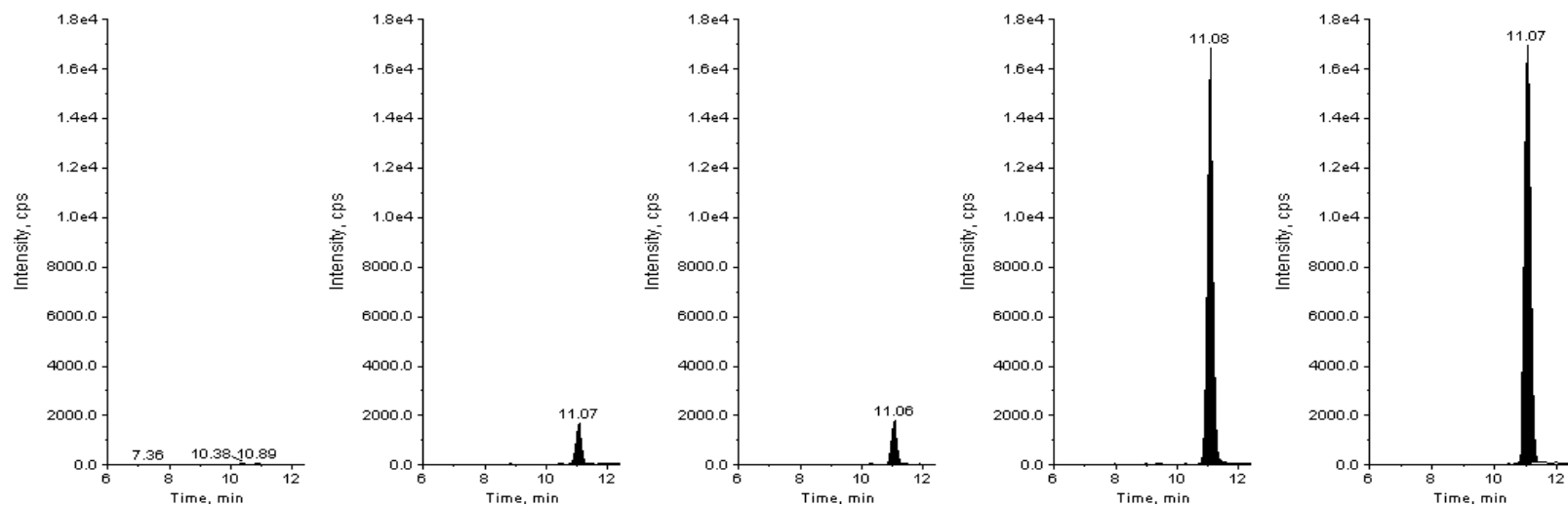


Figure: First MRM of Paraoxon-methyl: 248 amu → 109 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

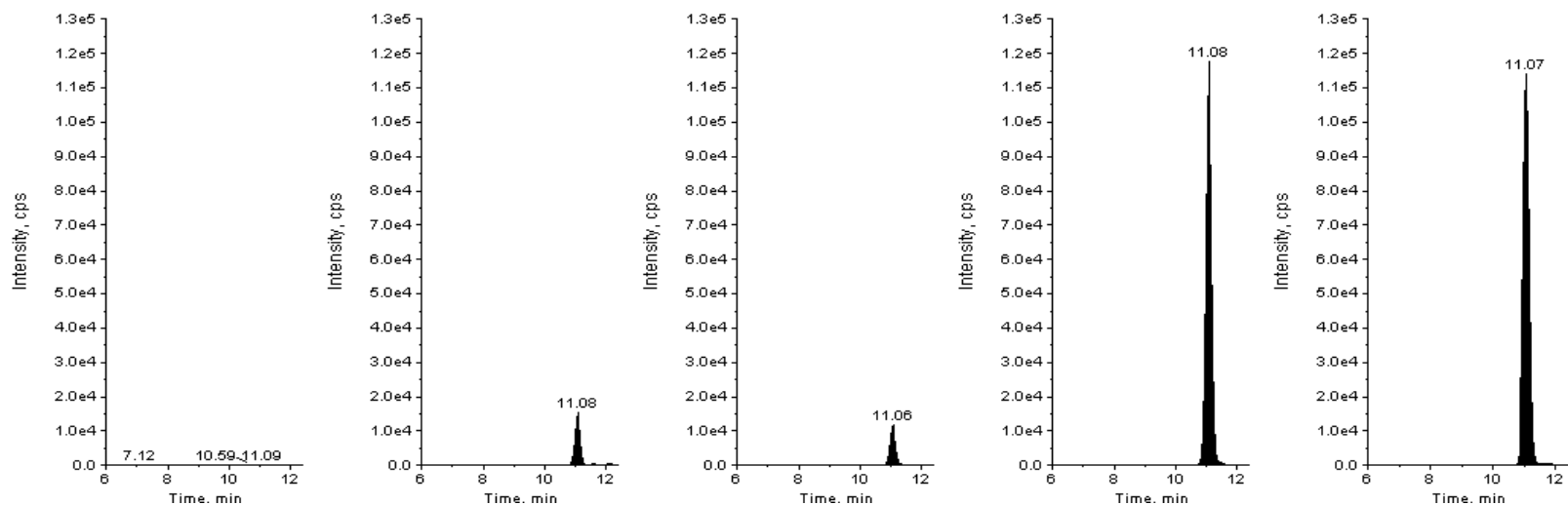


Figure: Second MRM of Paraoxon-methyl: 248 amu → 202 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

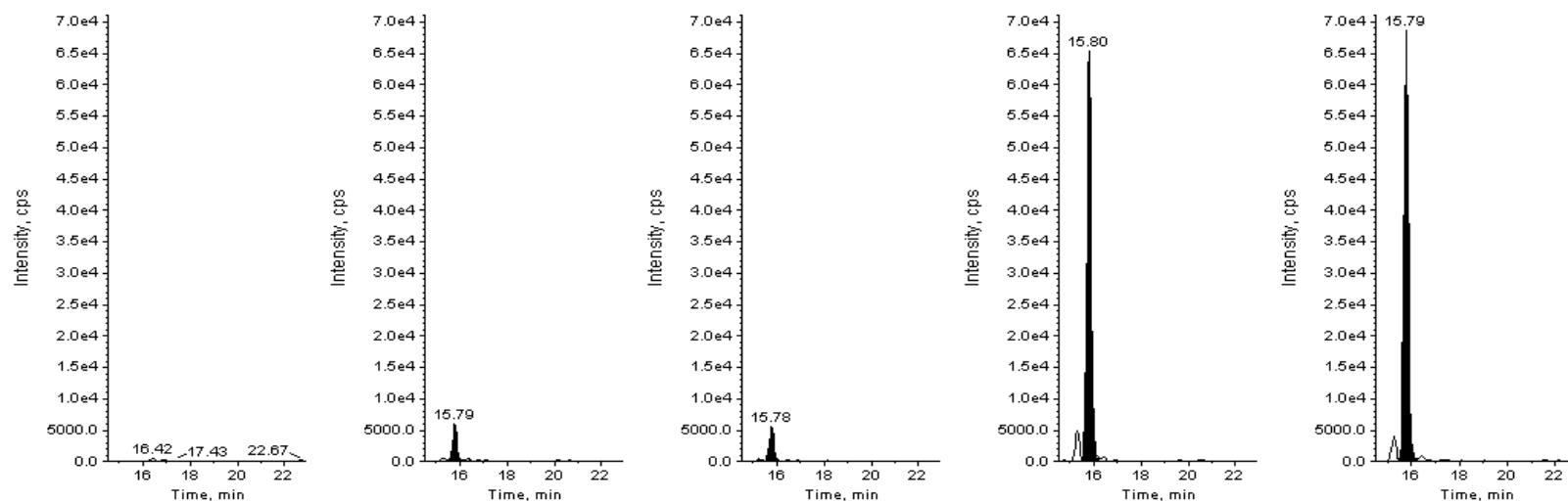


Figure: First MRM of Penconazole: 284 amu → 159 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

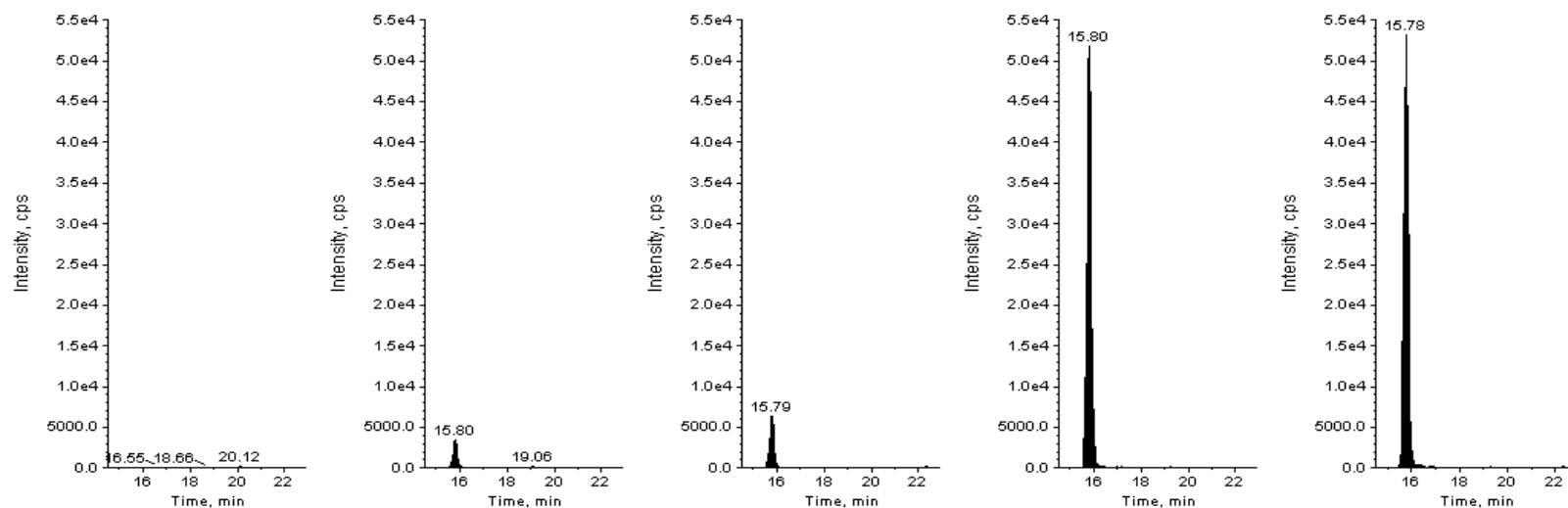


Figure: Second MRM of Penconazole: 284 amu → 70 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

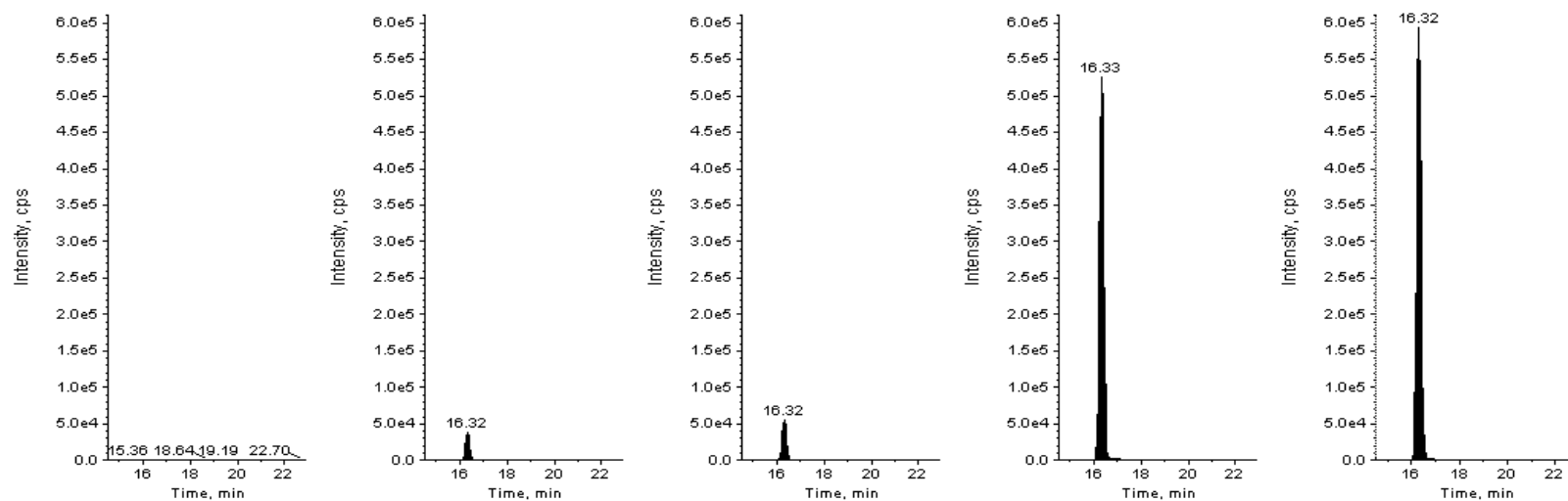


Figure: First MRM of Pencycuron: 329 amu $\rightarrow$ 125 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

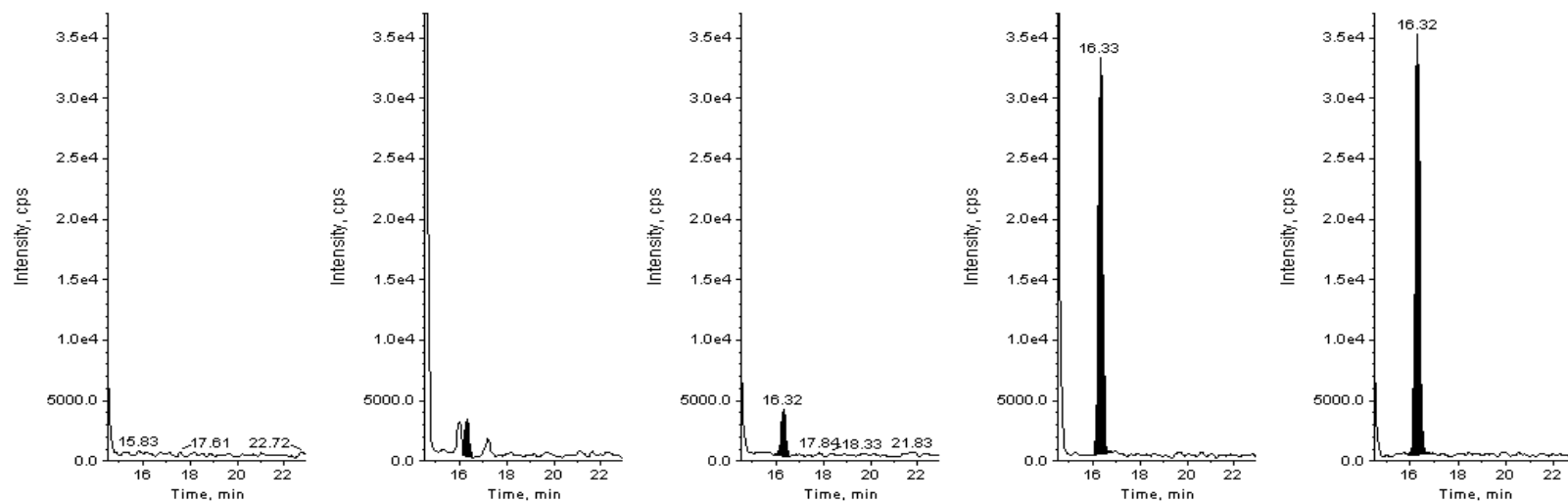


Figure: Second MRM of Pencycuron: 329 amu $\rightarrow$ 99 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

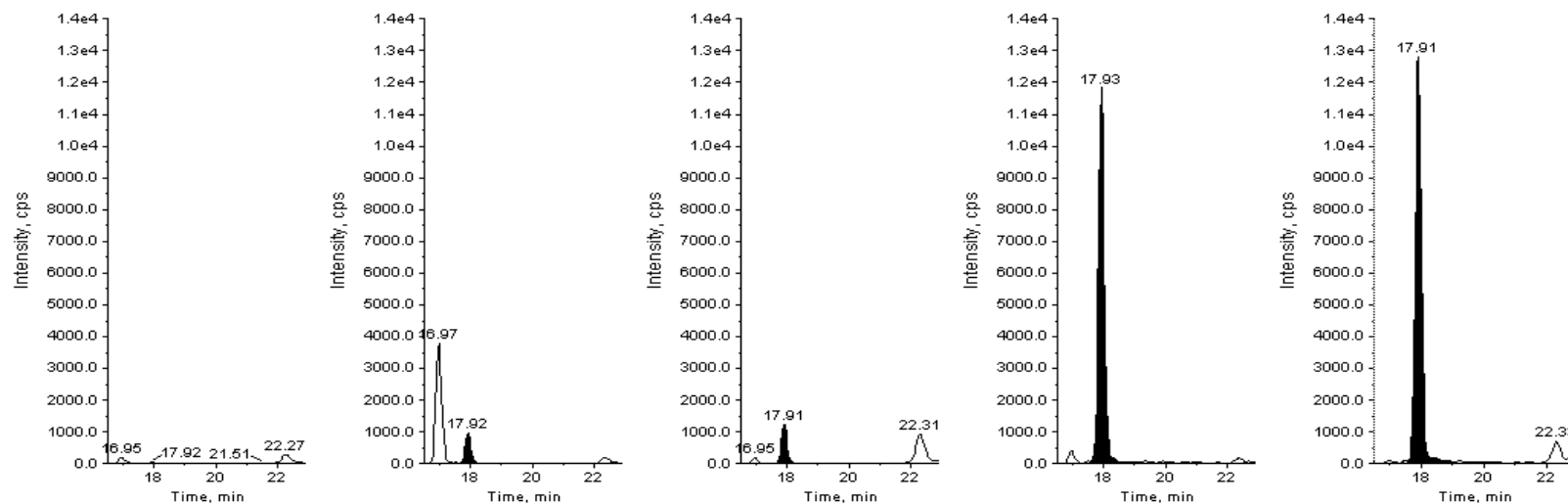


Figure: First MRM of Pendimethalin: 282 amu → 212 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

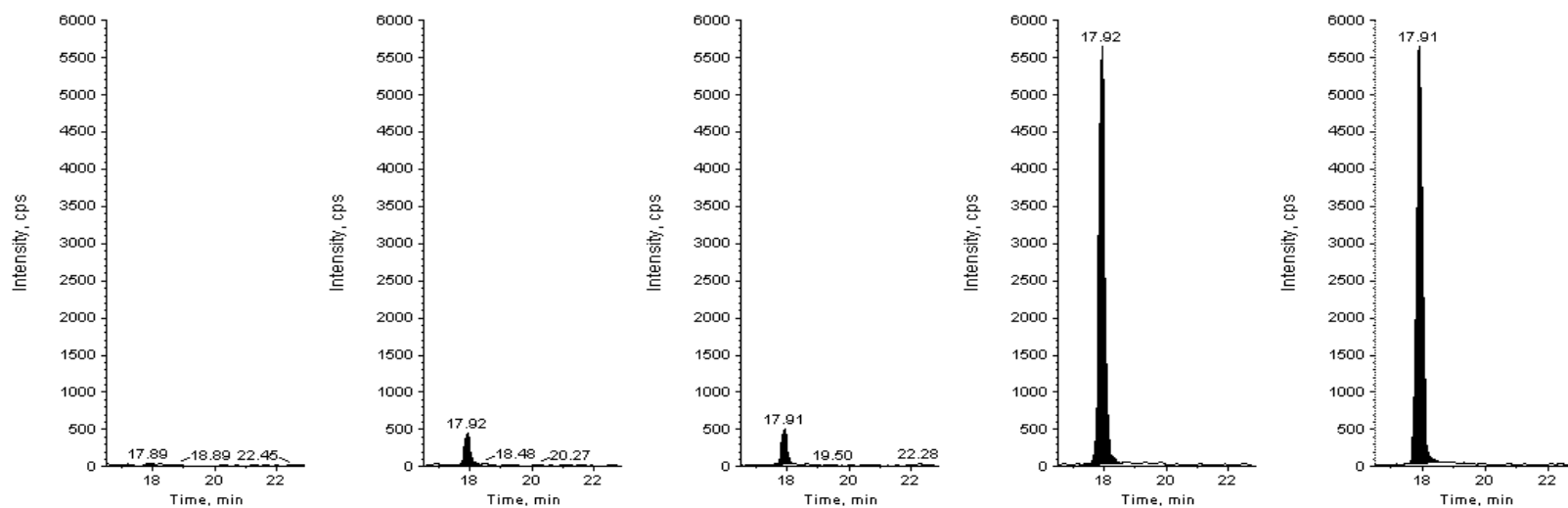


Figure: Second MRM of Pendimethalin: 282 amu → 194 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

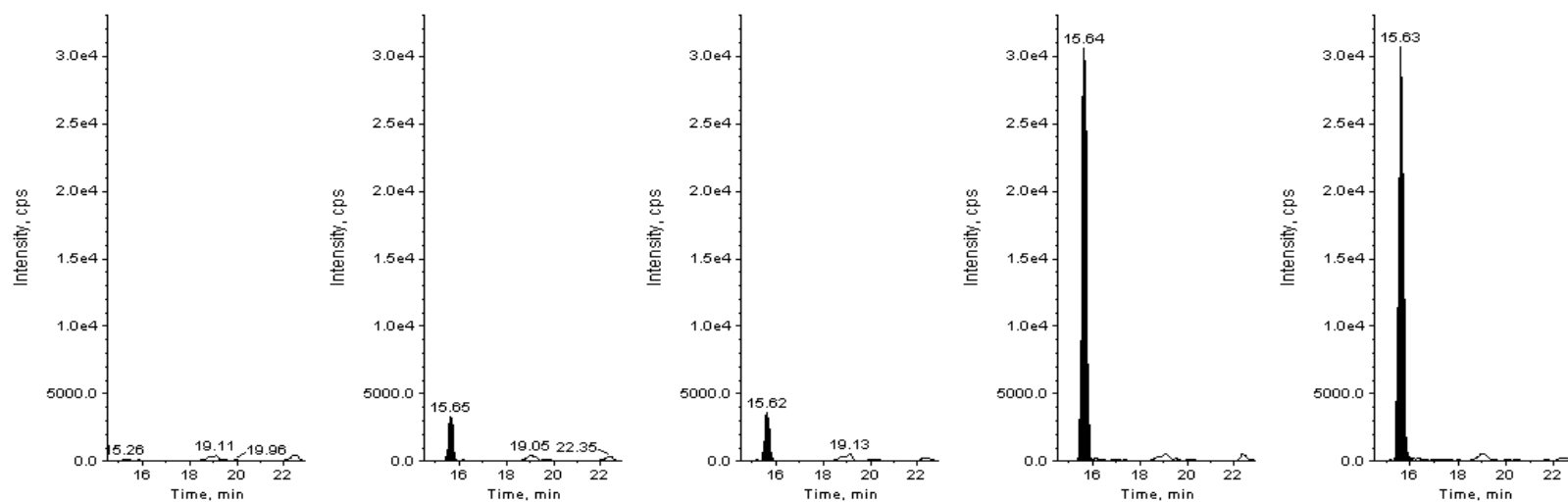


Figure: First MRM of Phenthoate: 321 amu → 163 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

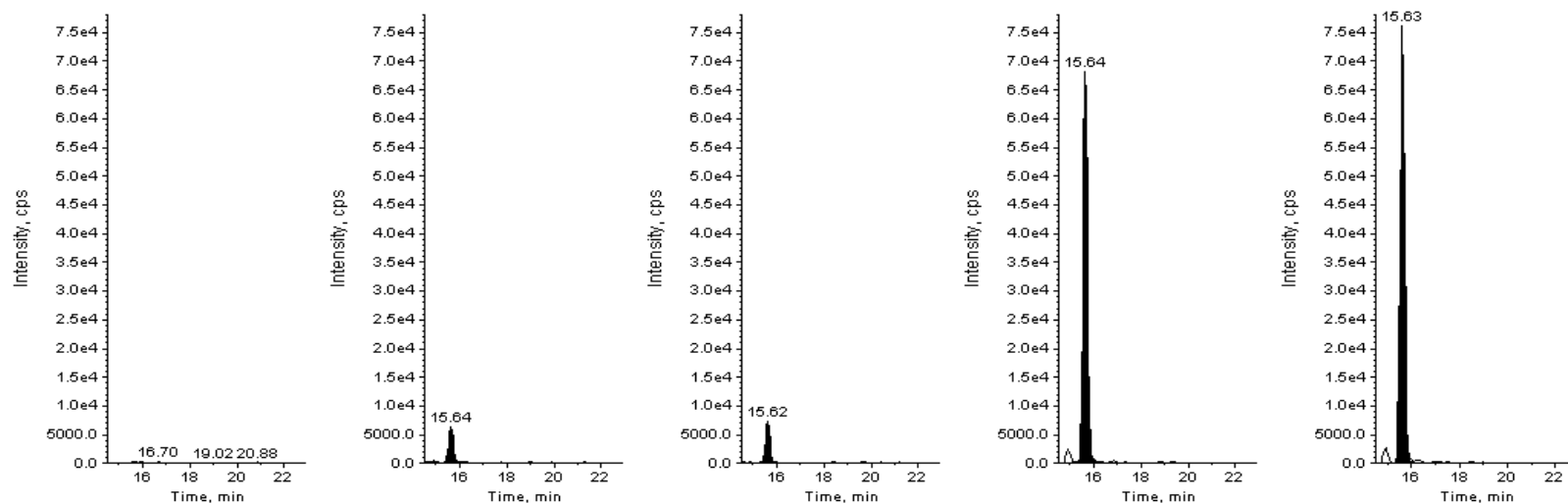


Figure: Second MRM of Phenthoate: 321 amu → 79 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

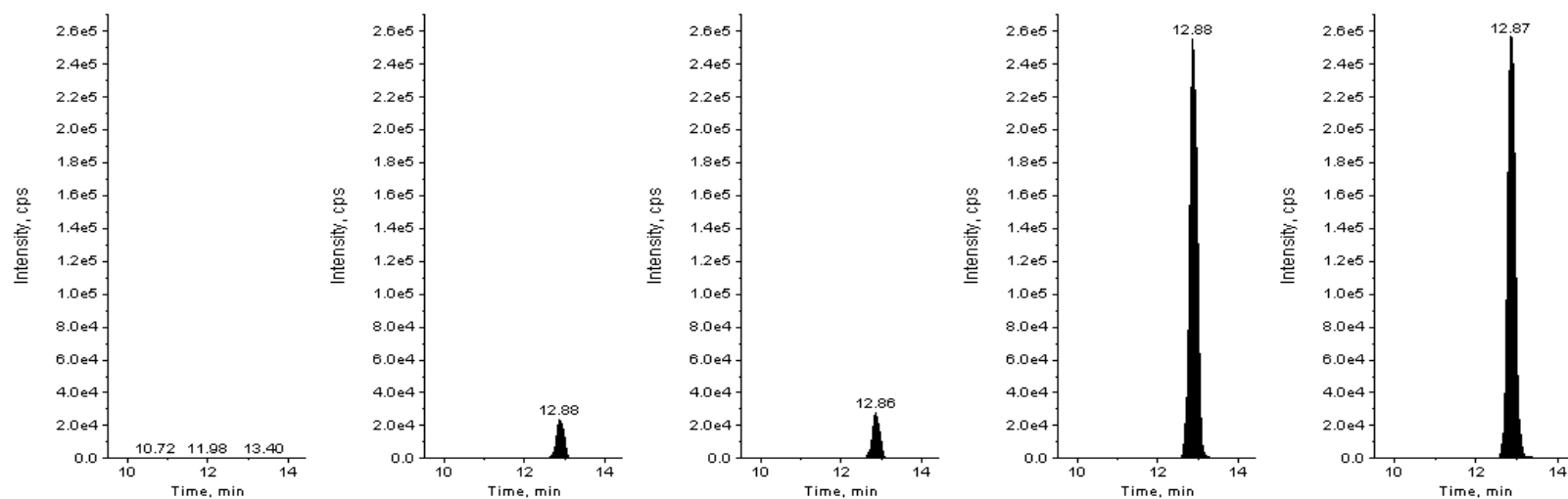


Figure: First MRM of Phorat-sulfoxid: 277 amu → 199 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

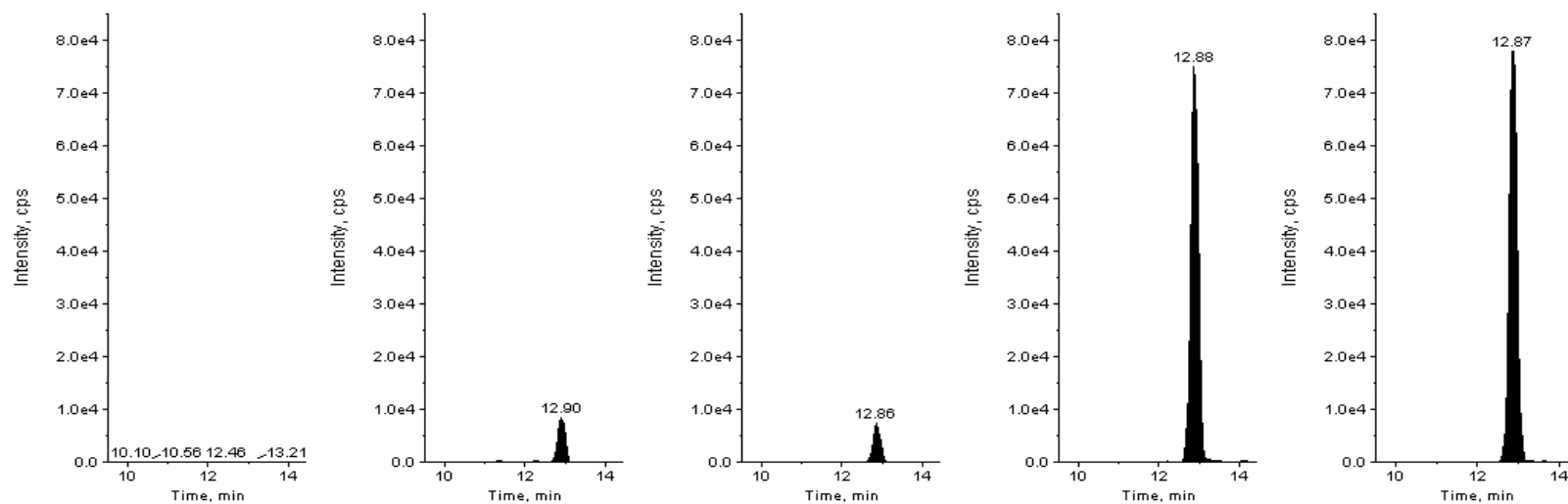


Figure: Second MRM of Phorat-sulfoxid: 277 amu → 143 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

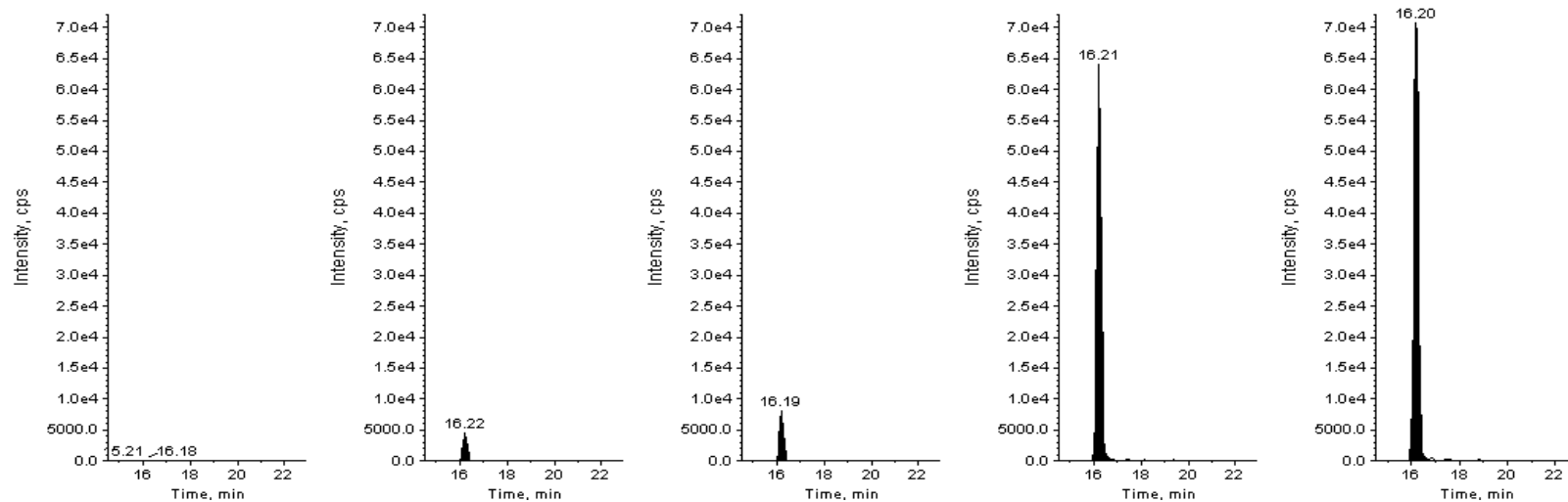


Figure: First MRM of Phosalone: 368 amu $\rightarrow$ 182 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

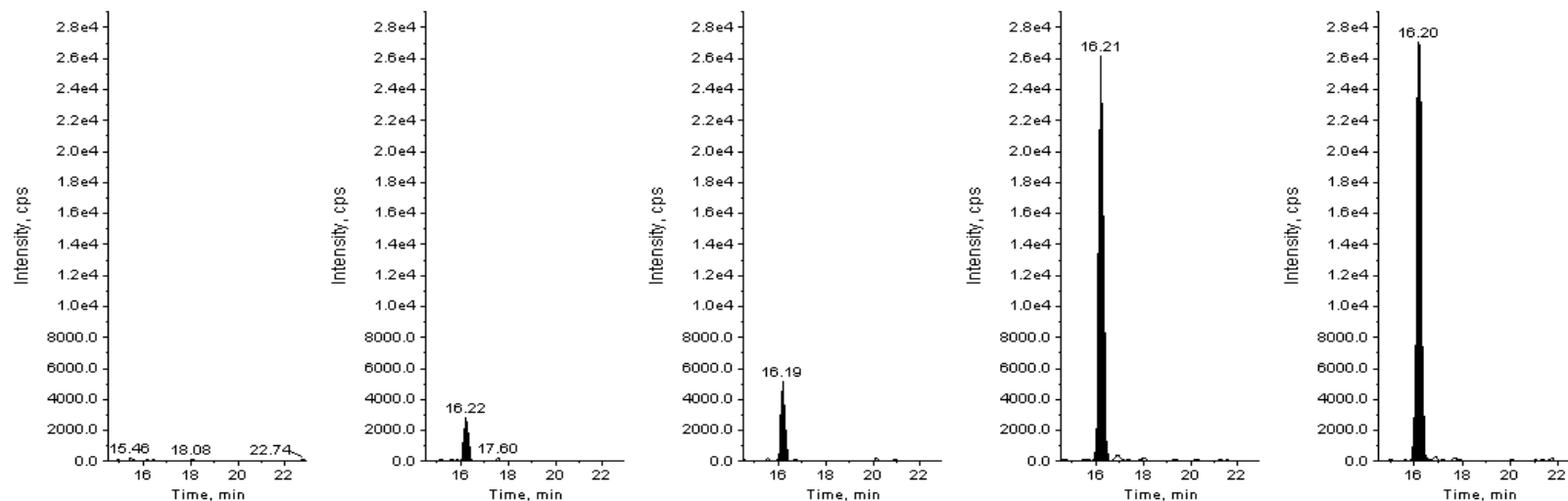


Figure: Second MRM of Phosalone: 368 amu $\rightarrow$ 111 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

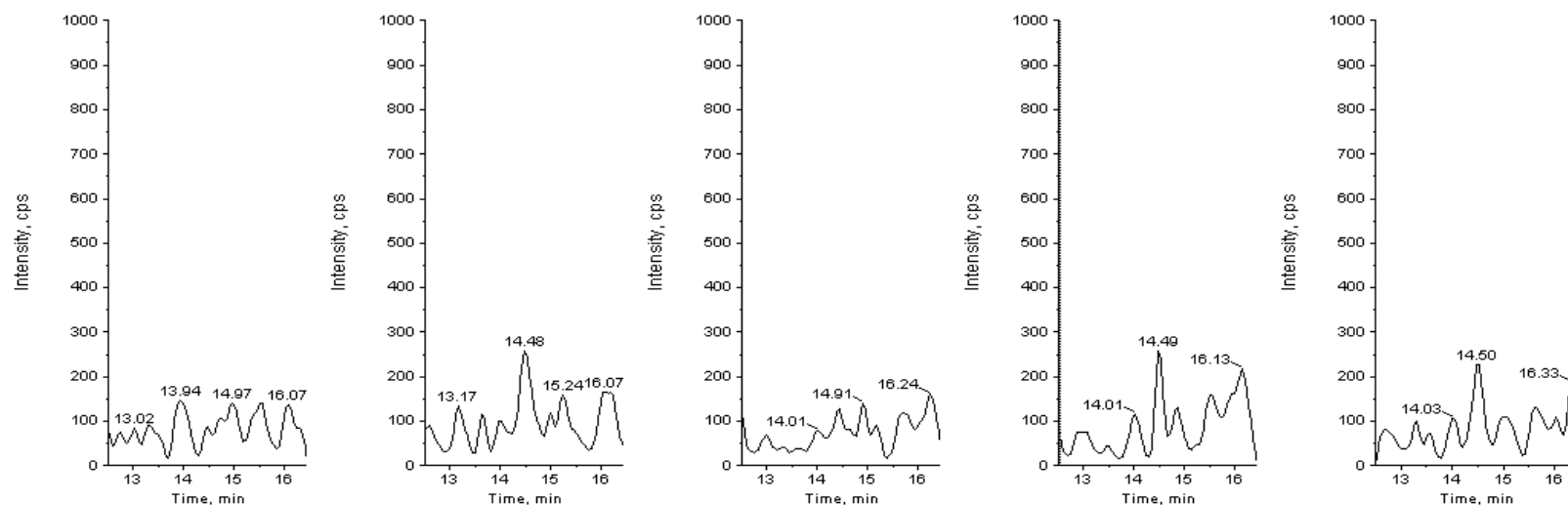


Figure: First MRM of Phosmet: 318 amu → 133 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

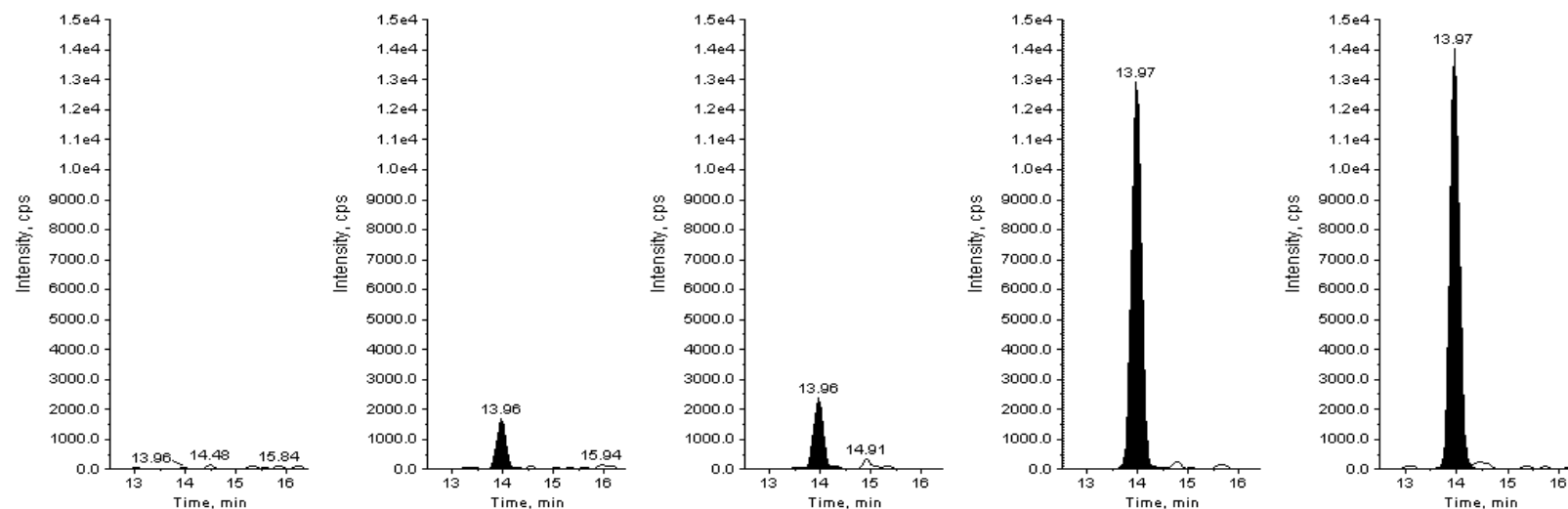


Figure: Second MRM of Phosmet: 318 amu → 160 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

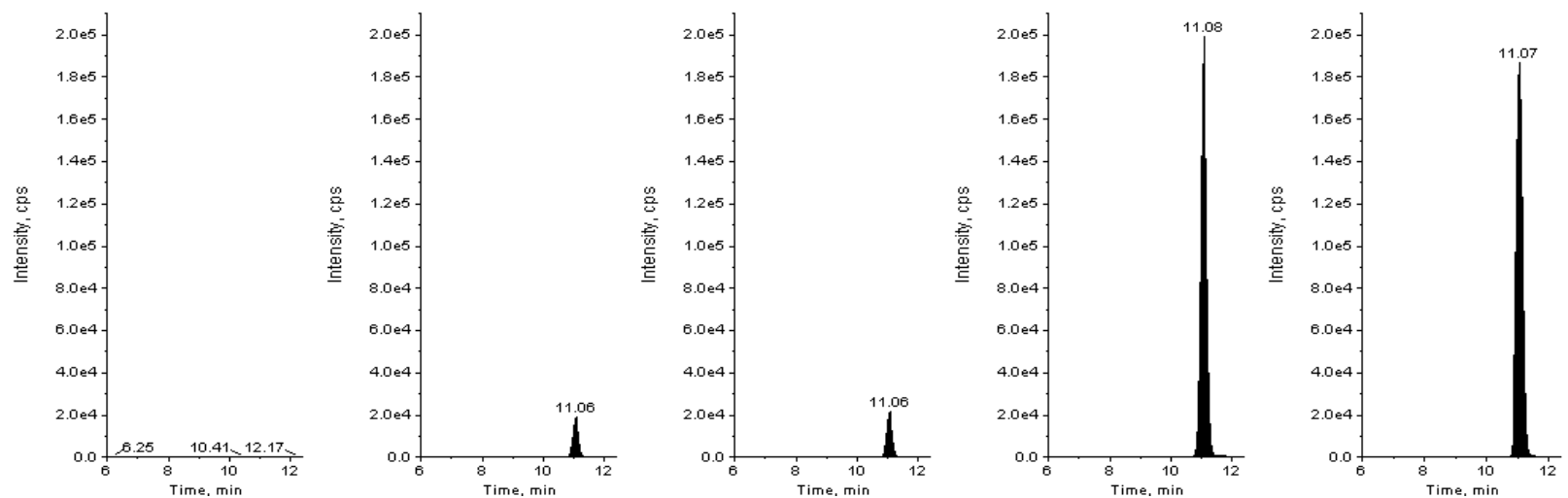


Figure: First MRM of Phosphamidon: 300 amu $\rightarrow$ 127 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

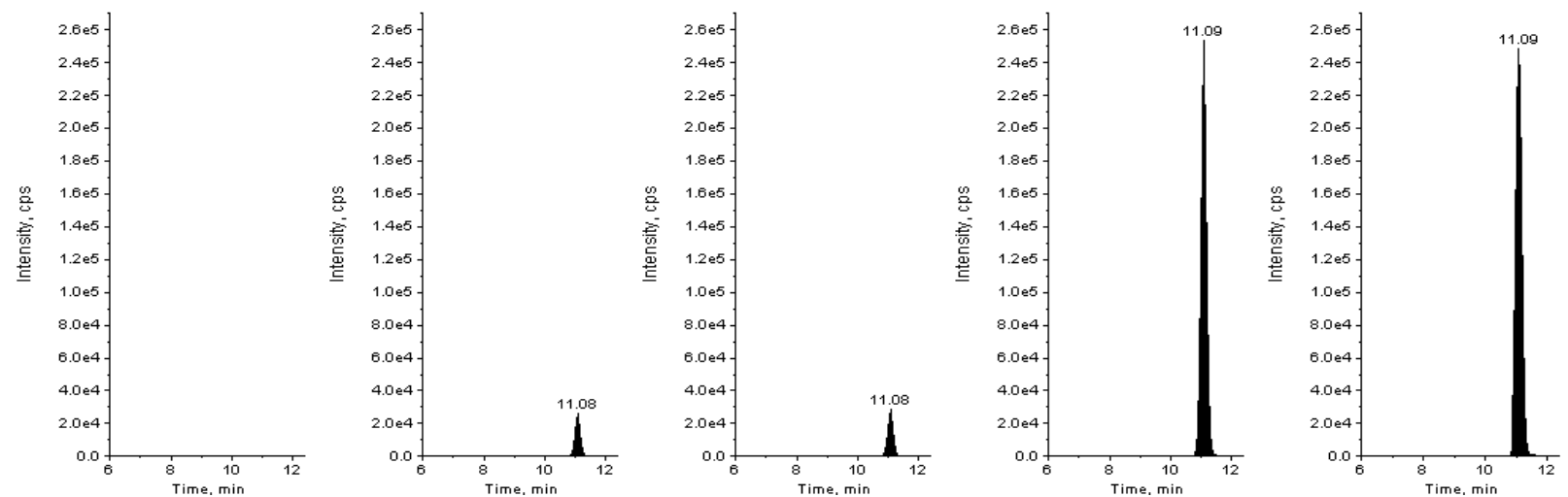


Figure: Second MRM of Phosphamidon: 300 amu $\rightarrow$ 174 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

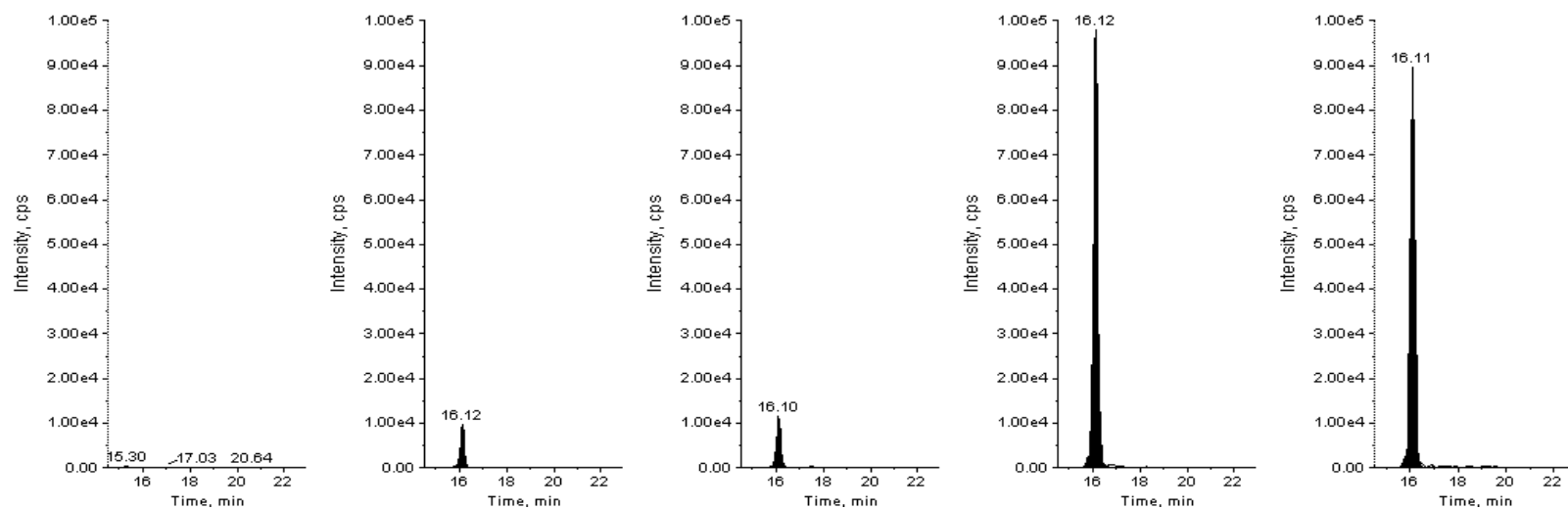


Figure: First MRM of Phoxim: 299 amu $\rightarrow$ 129 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

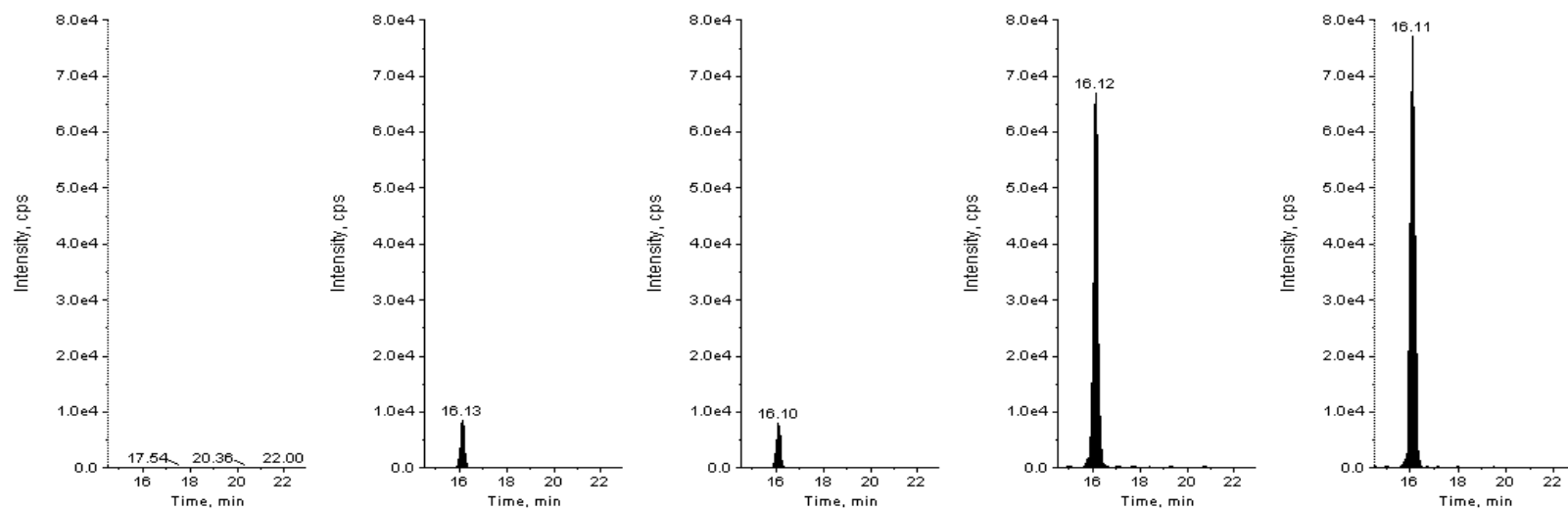


Figure: Second MRM of Phoxim: 299 amu $\rightarrow$ 77 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

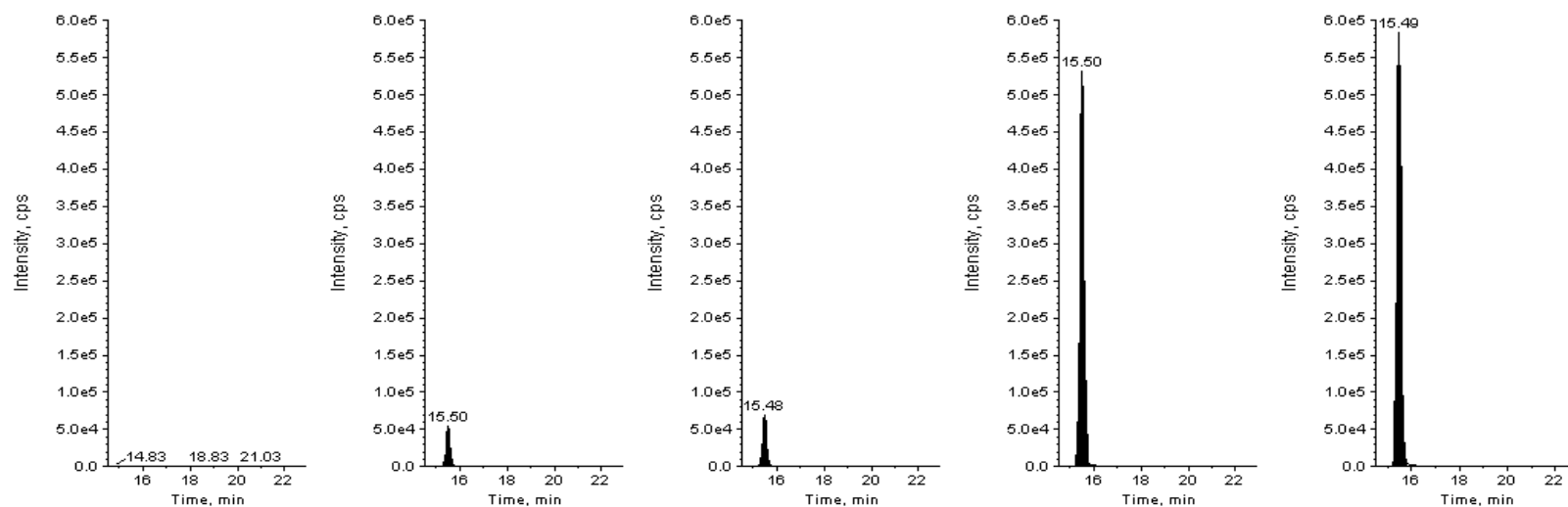


Figure: First MRM of Picoxystrobin: 368 amu $\rightarrow$ 145 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

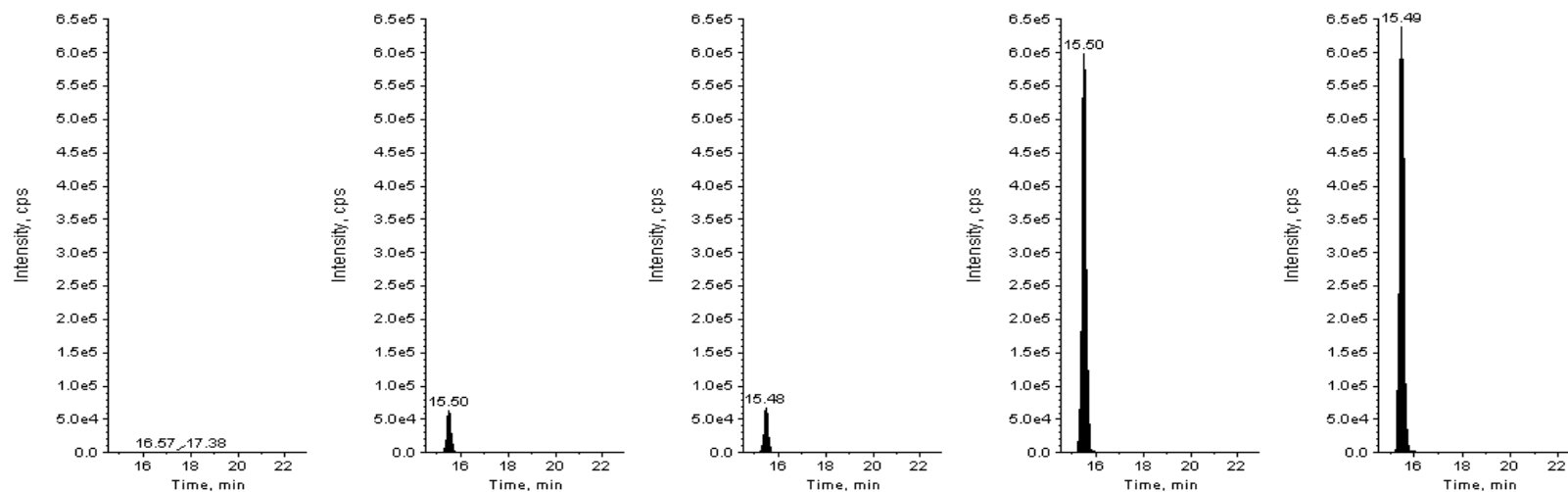


Figure: Second MRM of Picoxystrobin: 368 amu $\rightarrow$ 205 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

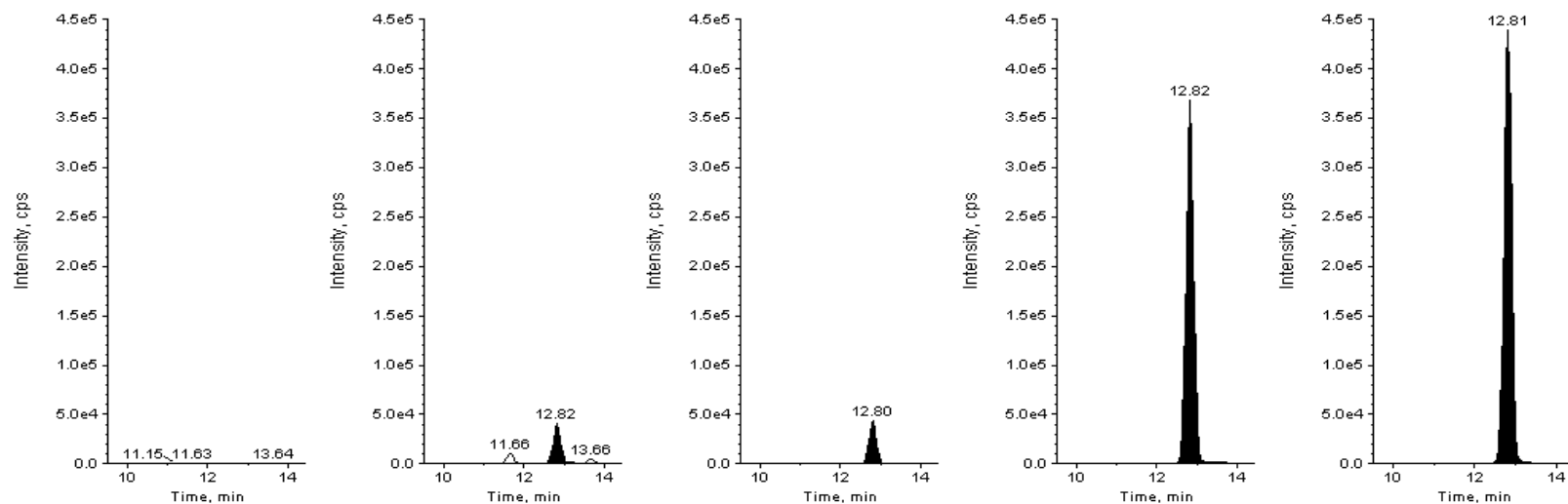


Figure: First MRM of Pirimicarb: 239 amu $\rightarrow$ 72 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

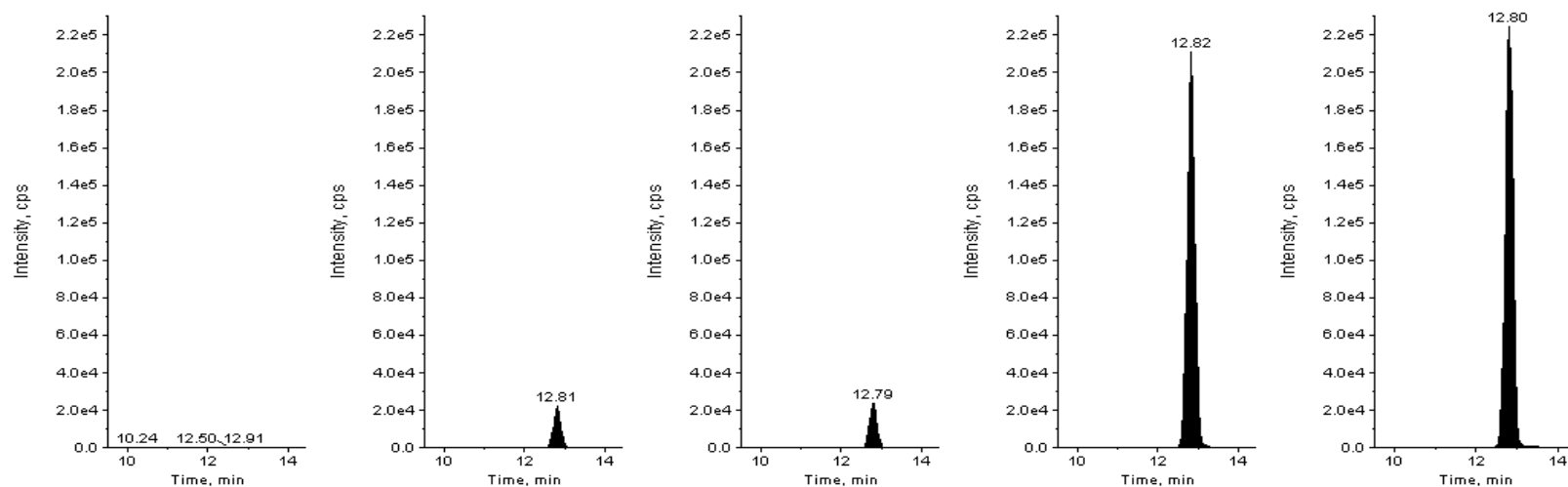


Figure: Second MRM of Pirimicarb: 239 amu $\rightarrow$ 182 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

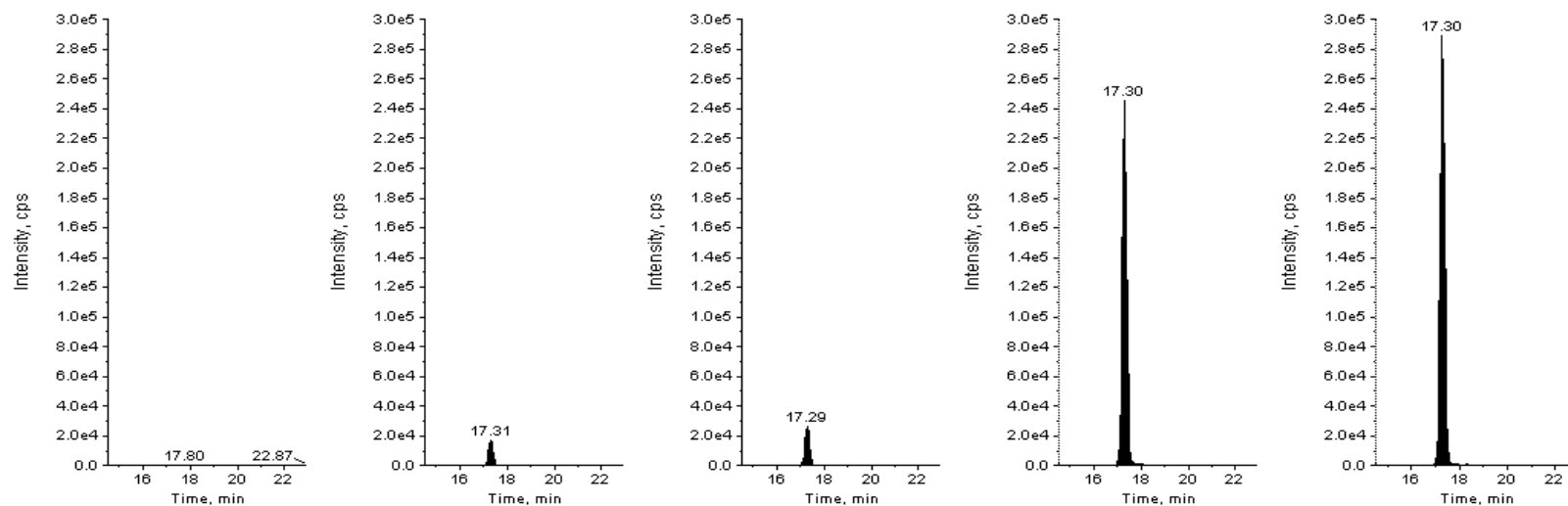


Figure: First MRM of Pirimiphos-ethyl: 334 amu $\rightarrow$ 198 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

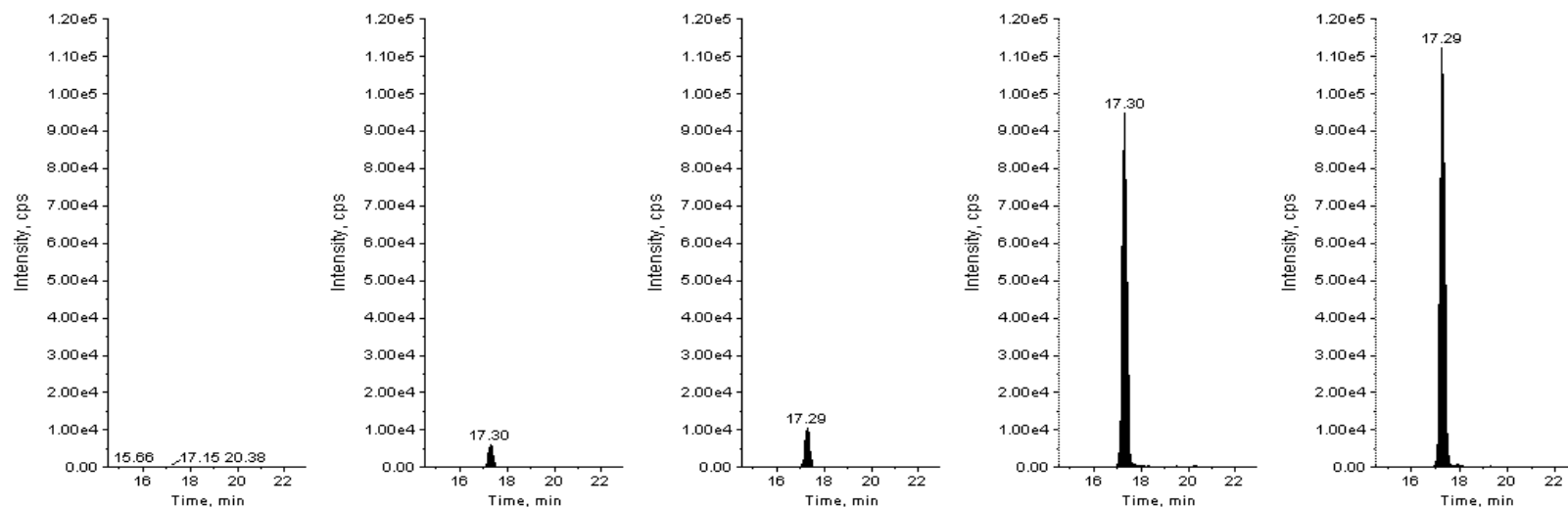


Figure: Second MRM of Pirimiphos-ethyl: 334 amu $\rightarrow$ 182 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

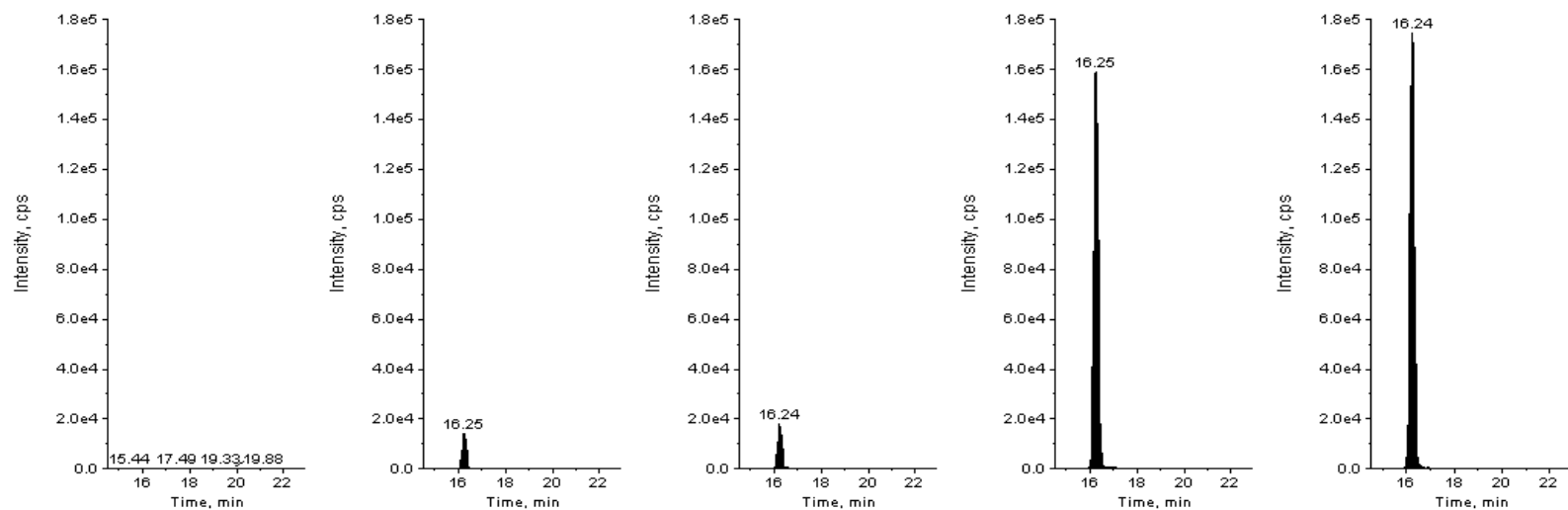


Figure: First MRM of Pirimiphos-methyl: 306 amu $\rightarrow$ 164 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

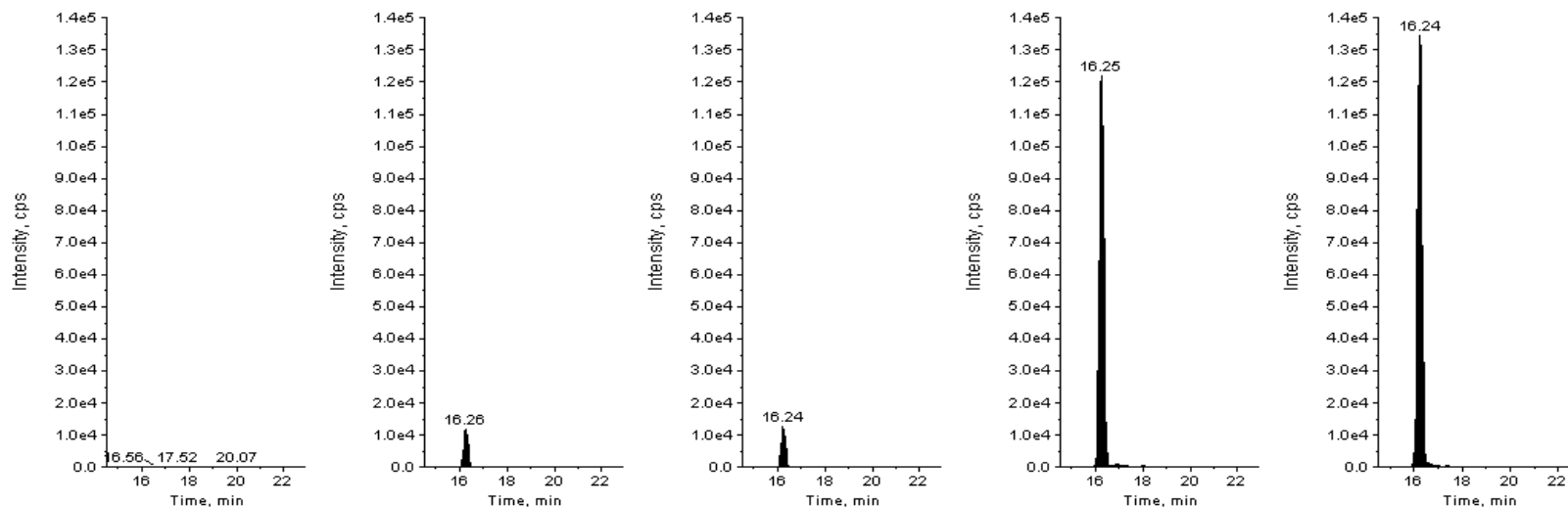


Figure: Second MRM of Pirimiphos-methyl: 306 amu $\rightarrow$ 108 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

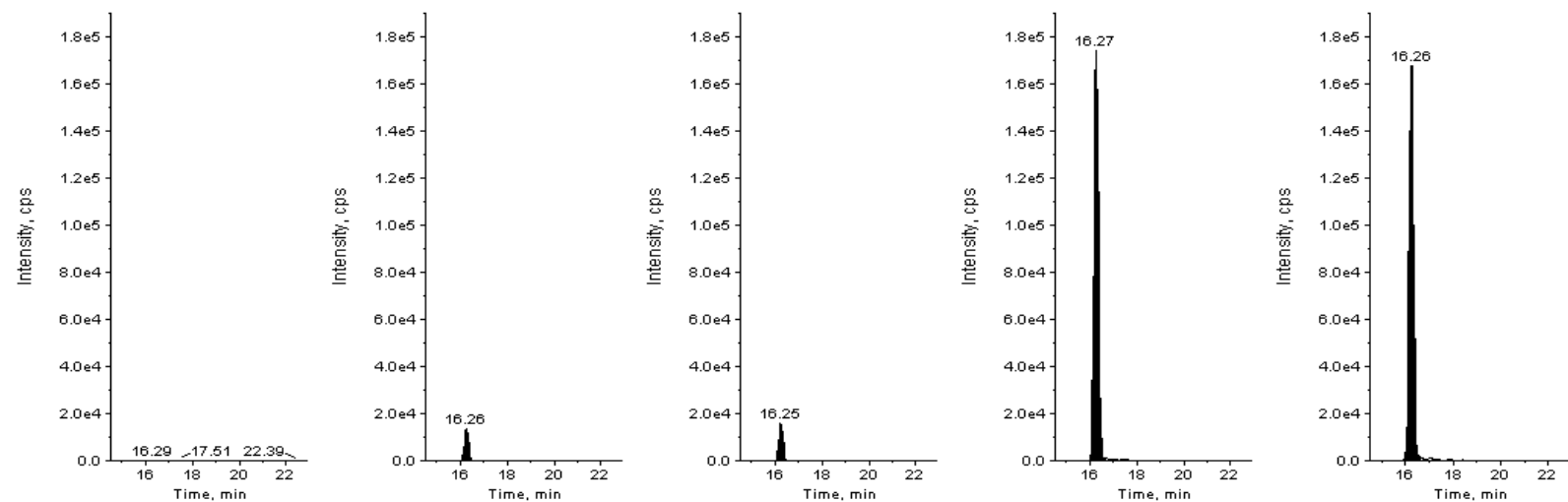


Figure: First MRM of Prochloraz: 376 amu → 308 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

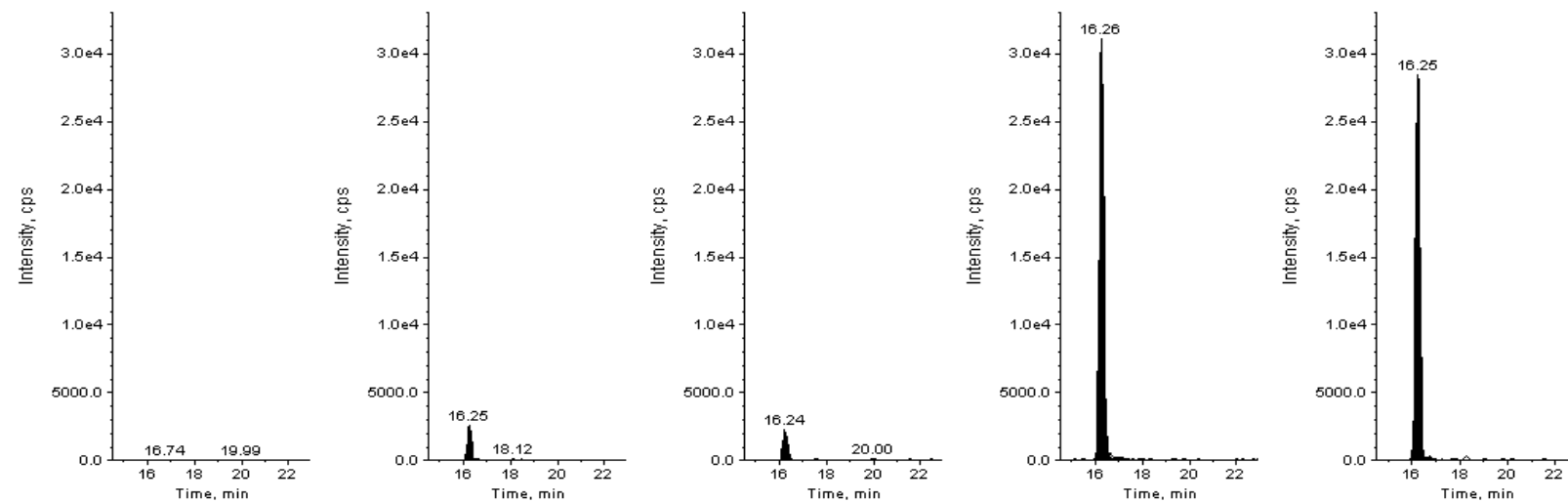


Figure: Second MRM of Prochloraz: 376 amu → 266 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

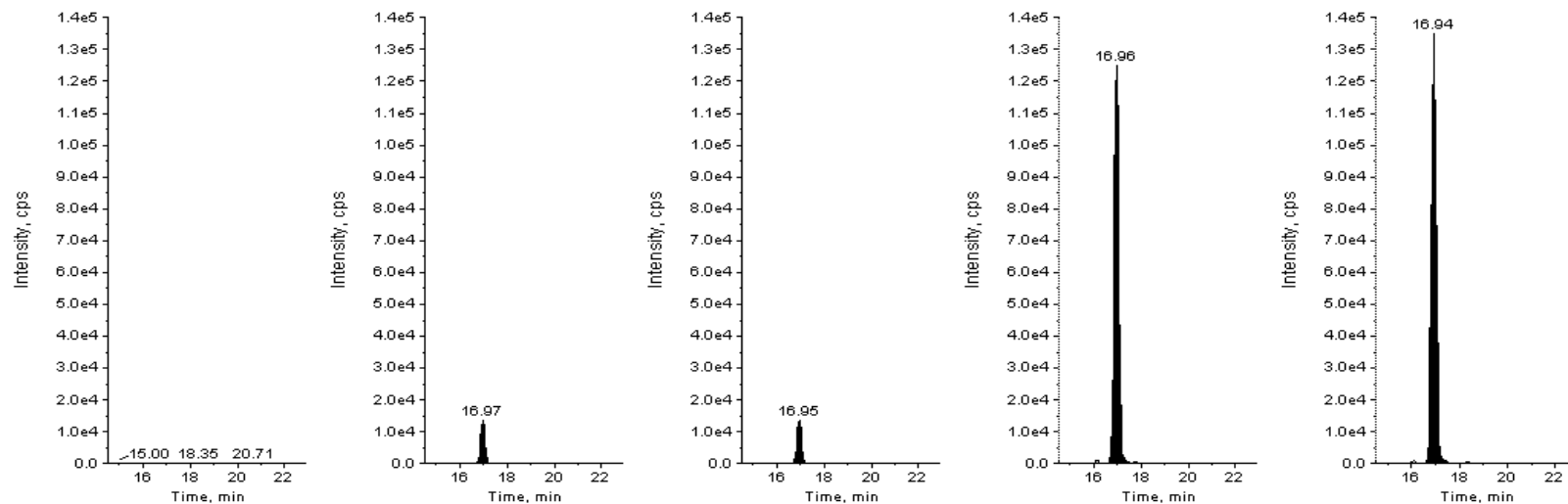


Figure: First MRM of Profenofos: 373 amu → 303 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

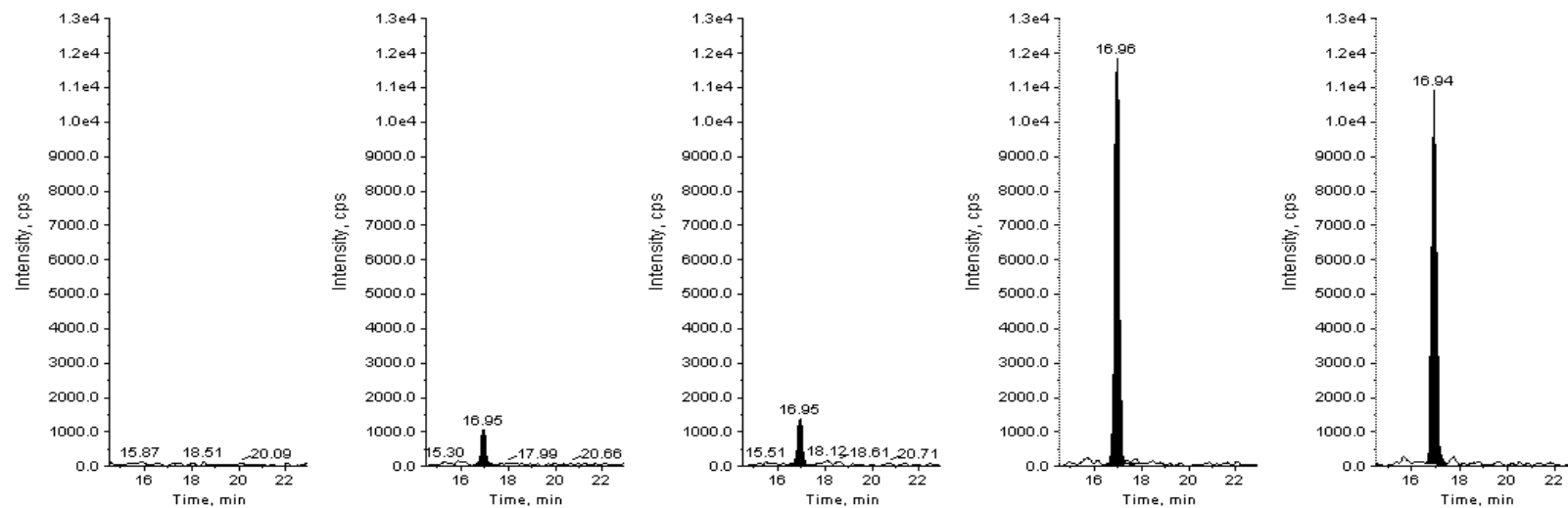


Figure: Second MRM of Profenofos: 373 amu → 97 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

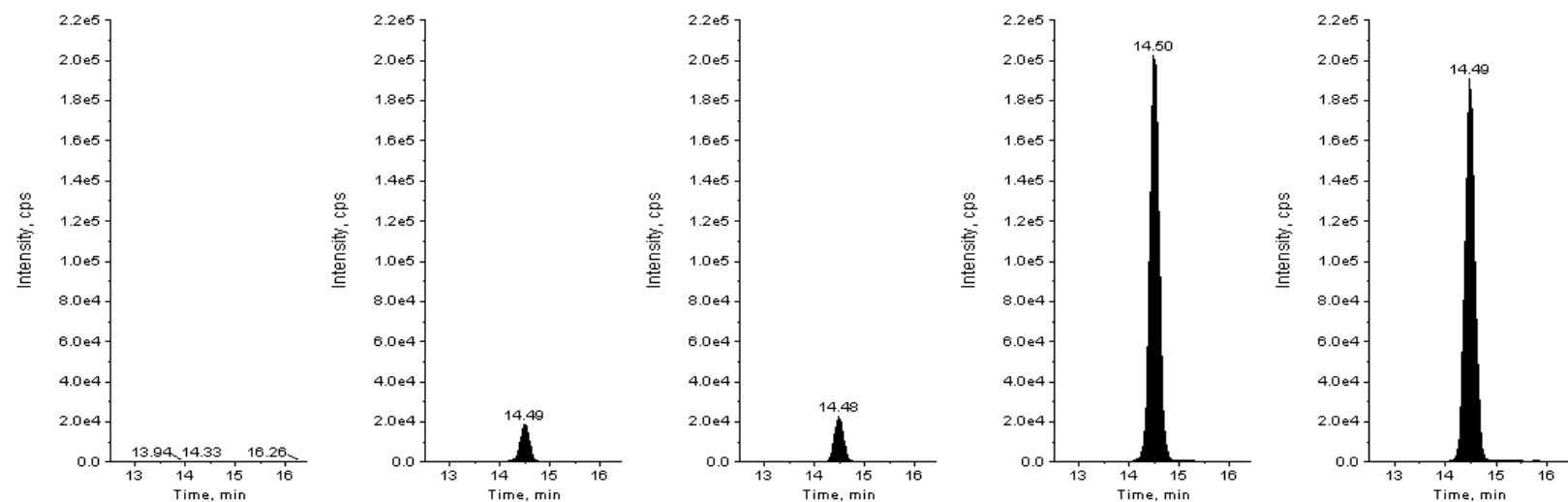


Figure: First MRM of Promecarb: 208 amu $\rightarrow$ 109 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

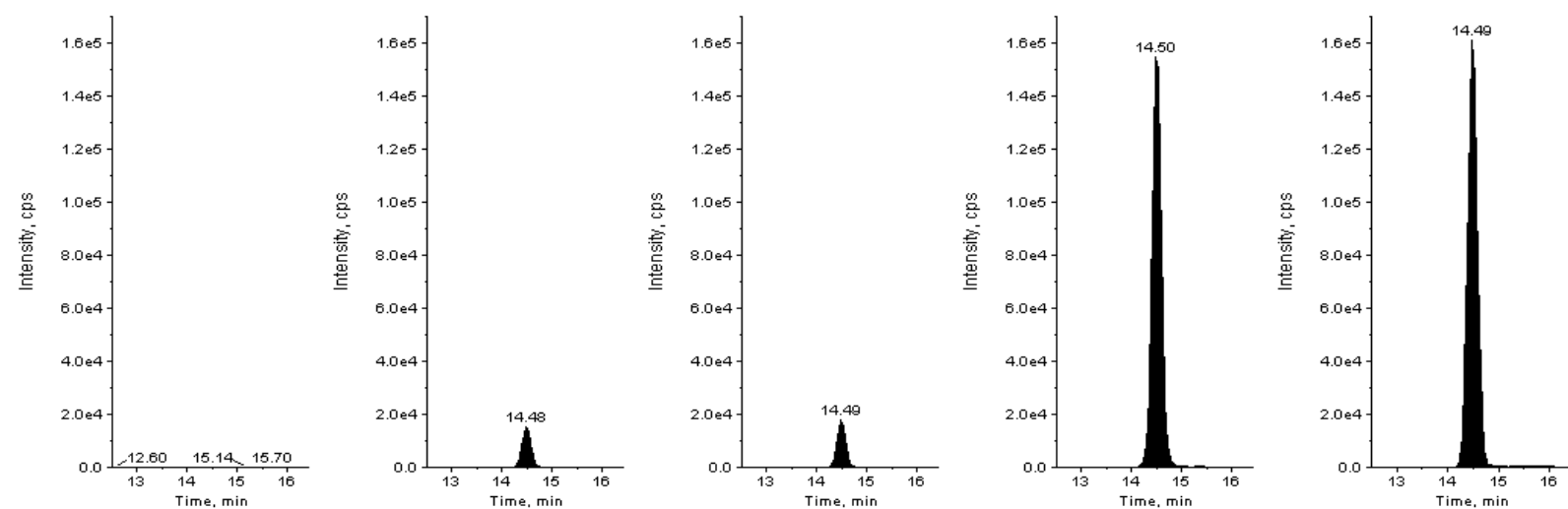


Figure: Second MRM of Promecarb: 208 amu $\rightarrow$ 151 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

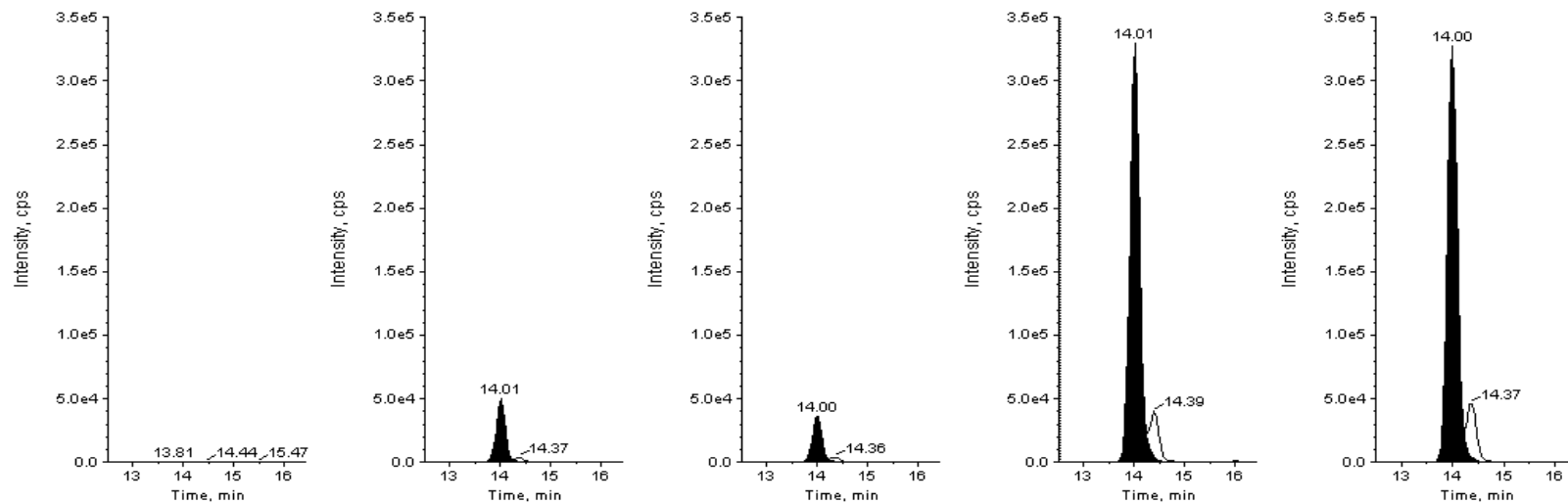


Figure: First MRM of Prometon: 226 amu → 142 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

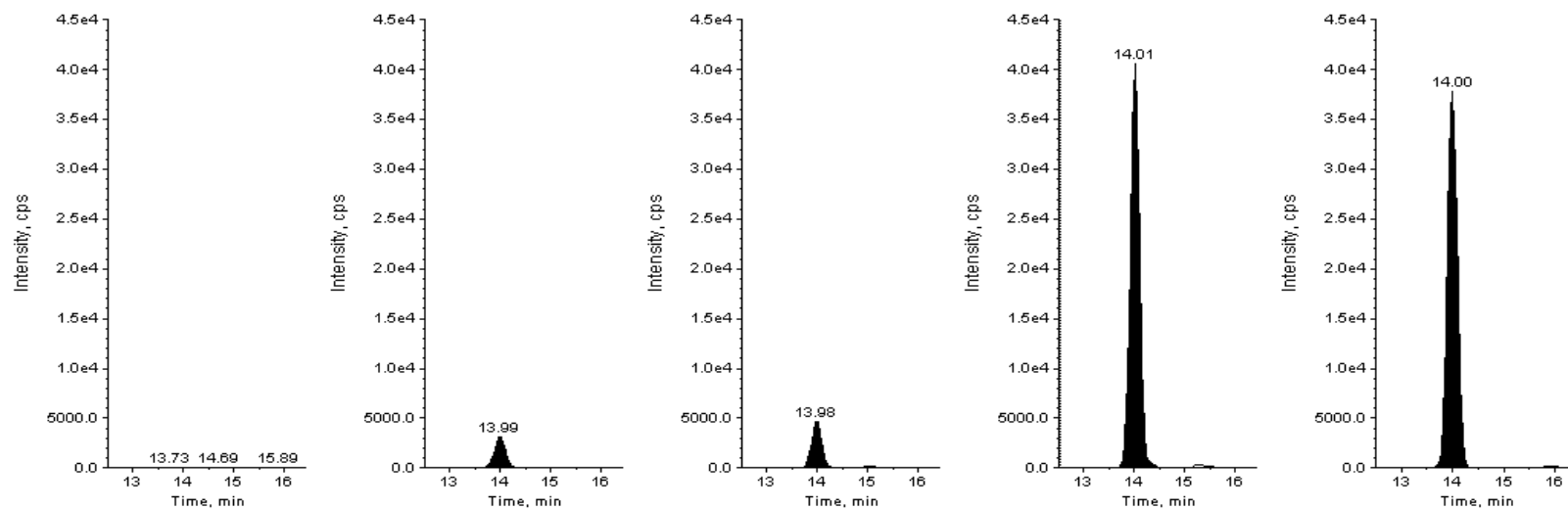


Figure: Second MRM of Prometon: 226 amu → 184 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

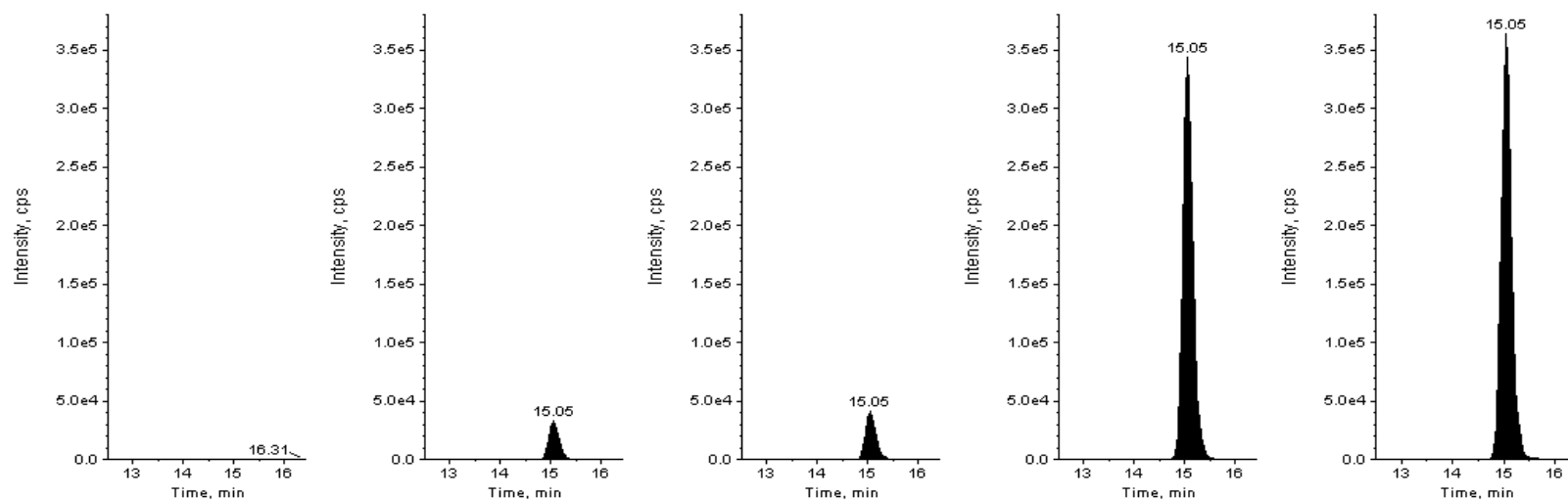


Figure: First MRM of Prometryne: 242 amu → 158 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

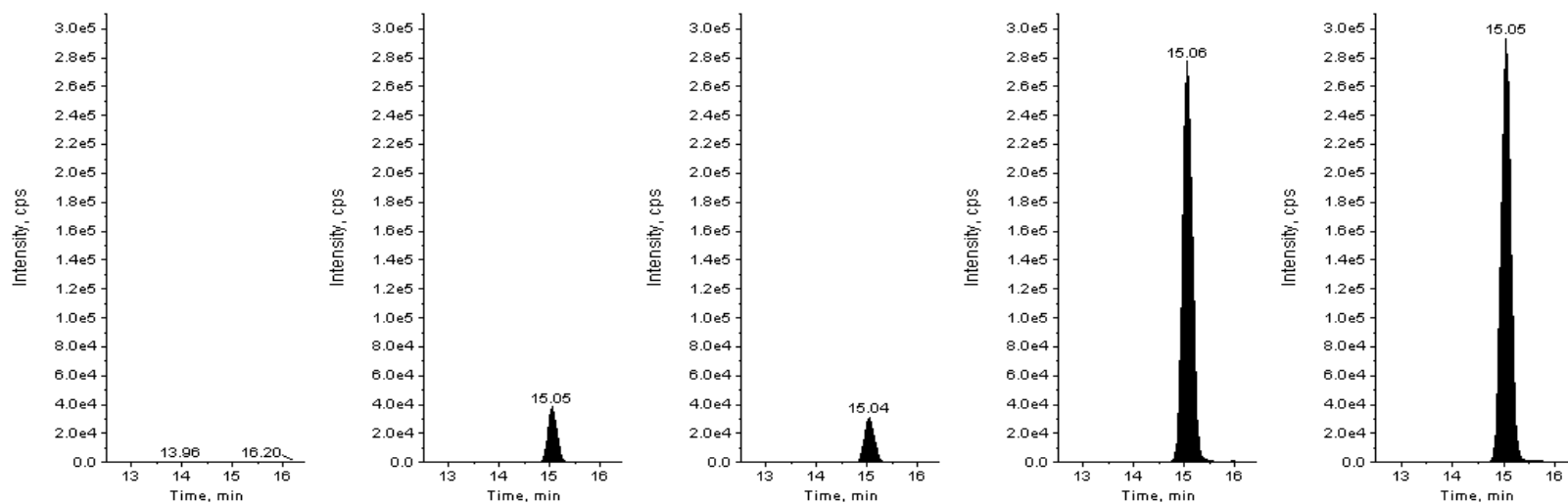


Figure: Second MRM of Prometryne: 242 amu → 200 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

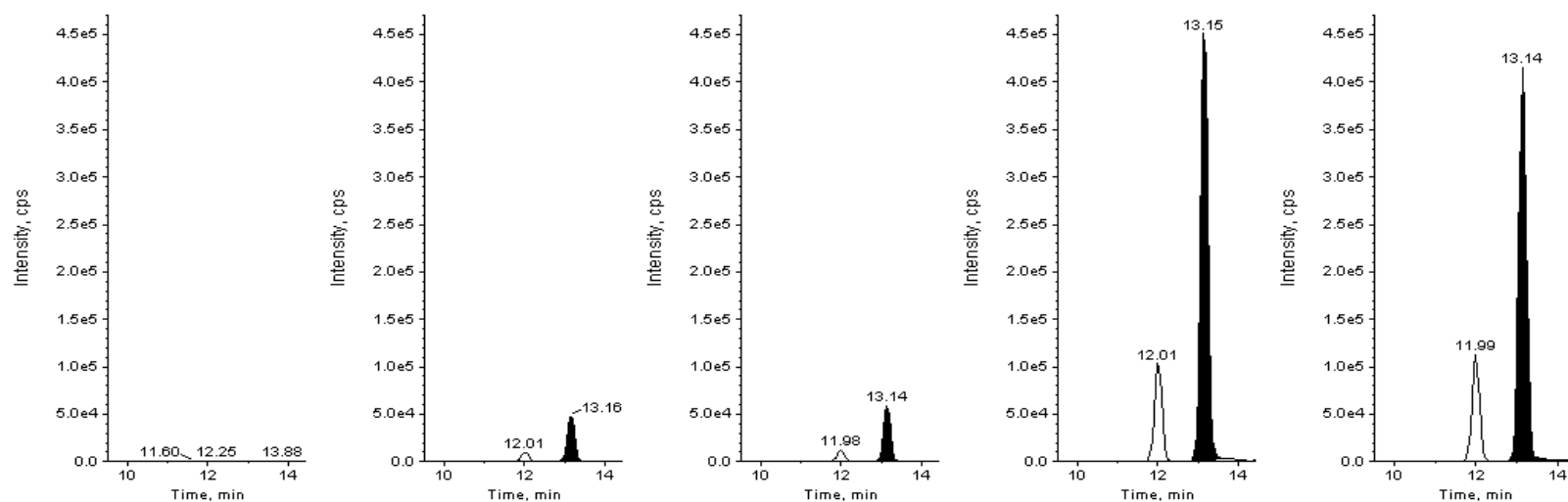


Figure: First MRM of Propachlor: 212 amu $\rightarrow$ 170 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

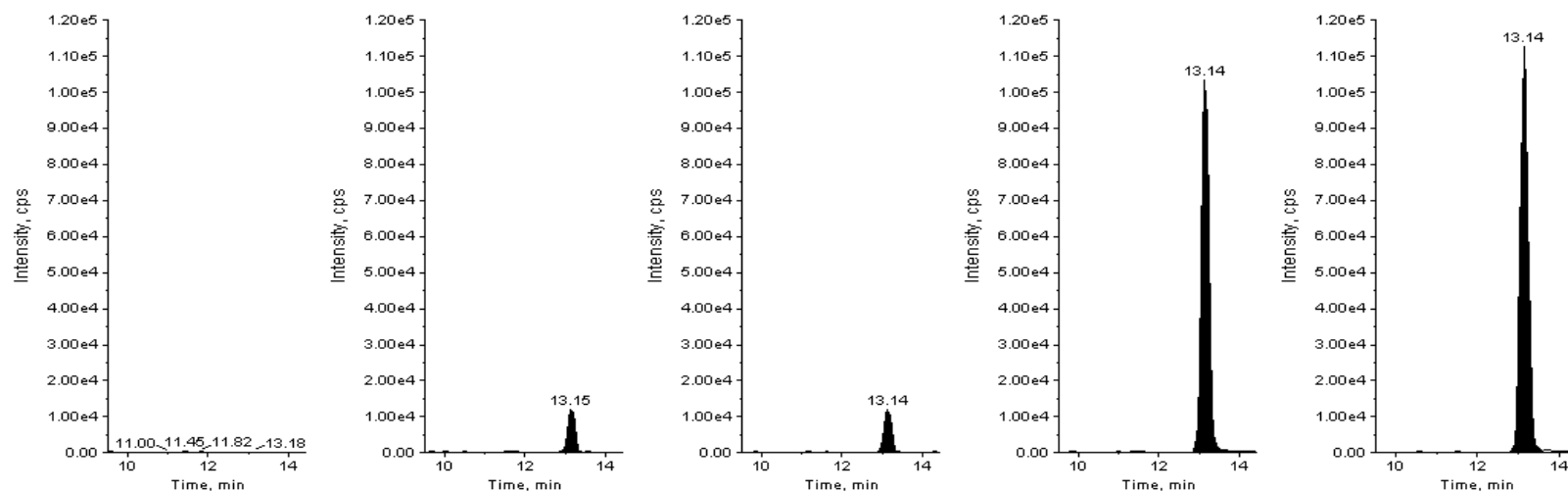


Figure: Second MRM of Propachlor: 212 amu $\rightarrow$ 94 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

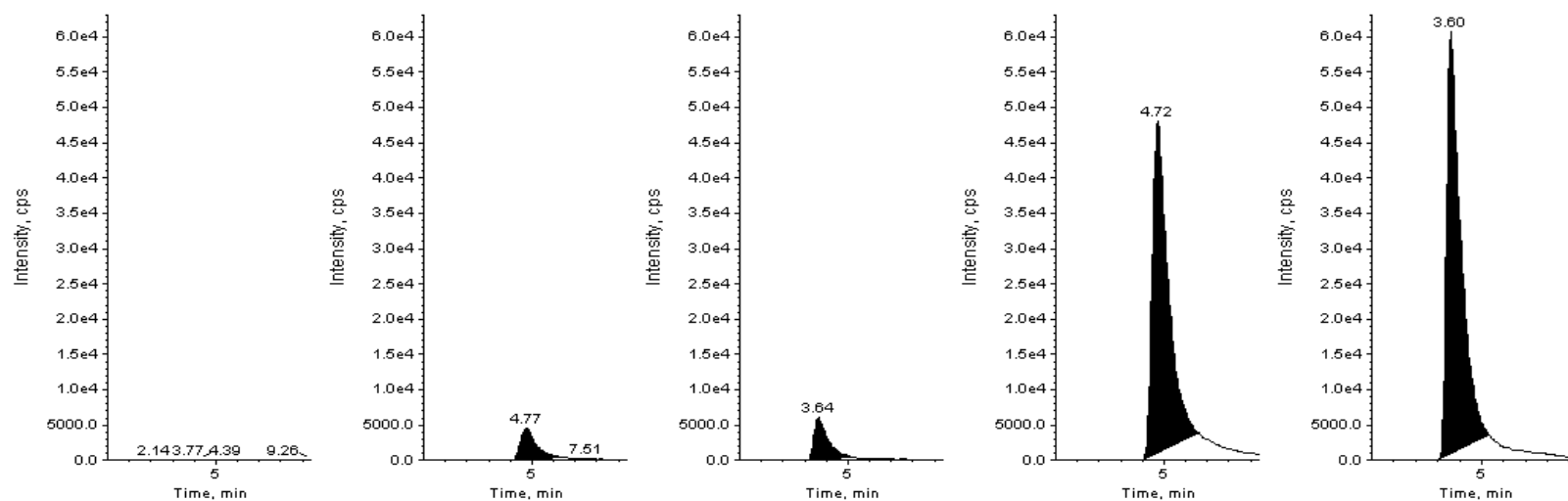


Figure: First MRM of Propamocarb: 189 amu $\rightarrow$ 102 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

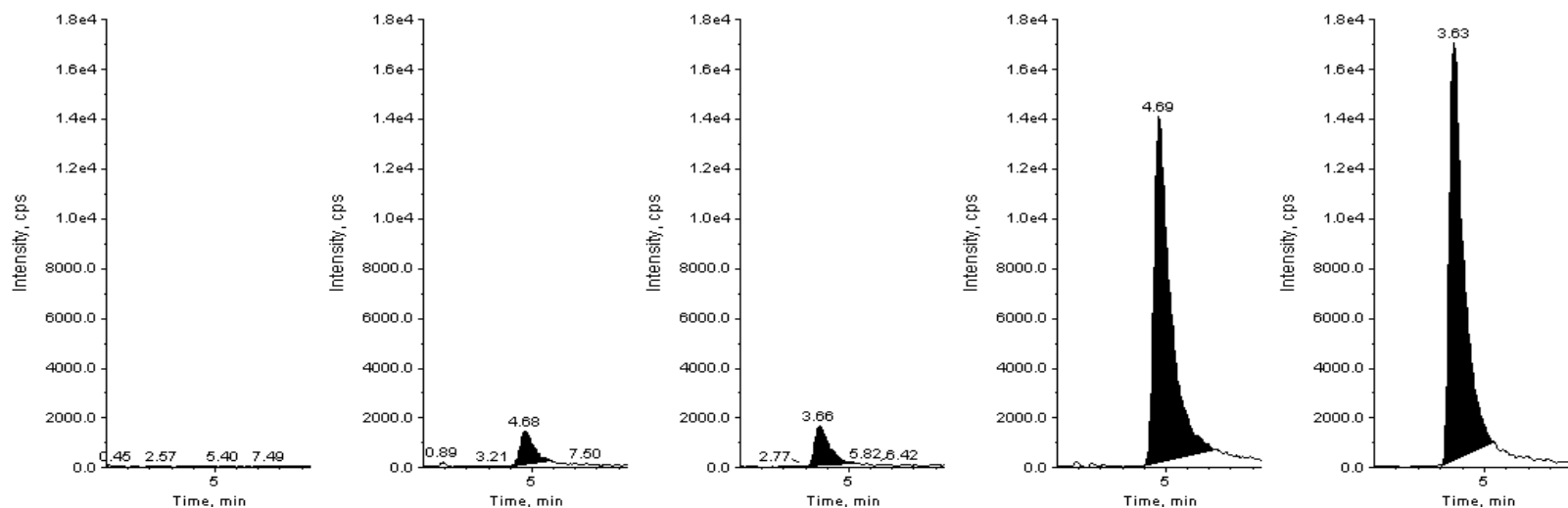


Figure: Second MRM of Propamocarb: 189 amu $\rightarrow$ 144 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

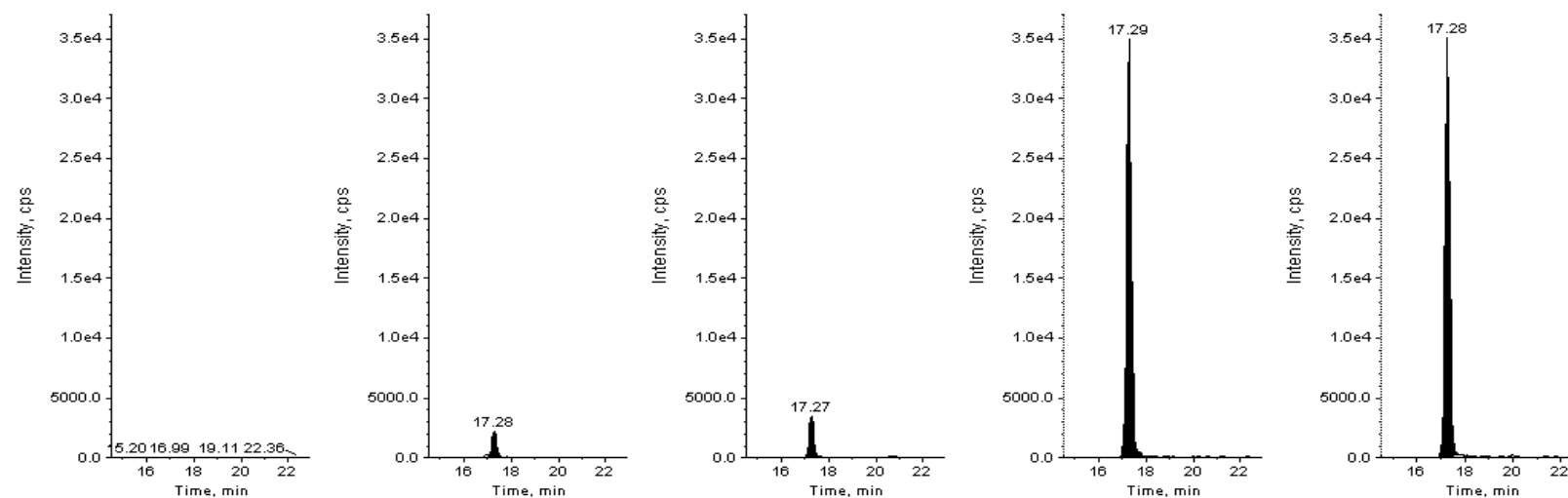


Figure: First MRM of Propaquizafop: 444 amu $\rightarrow$ 299 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

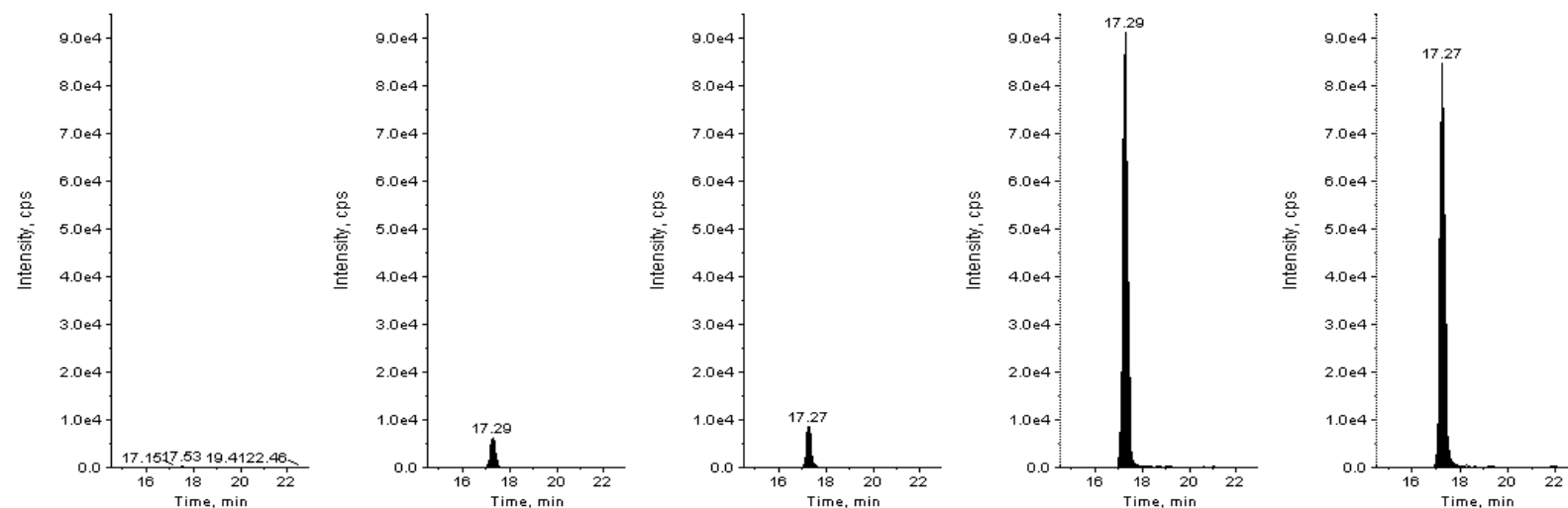


Figure: Second MRM of Propaquizafop: 444 amu $\rightarrow$ 100 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

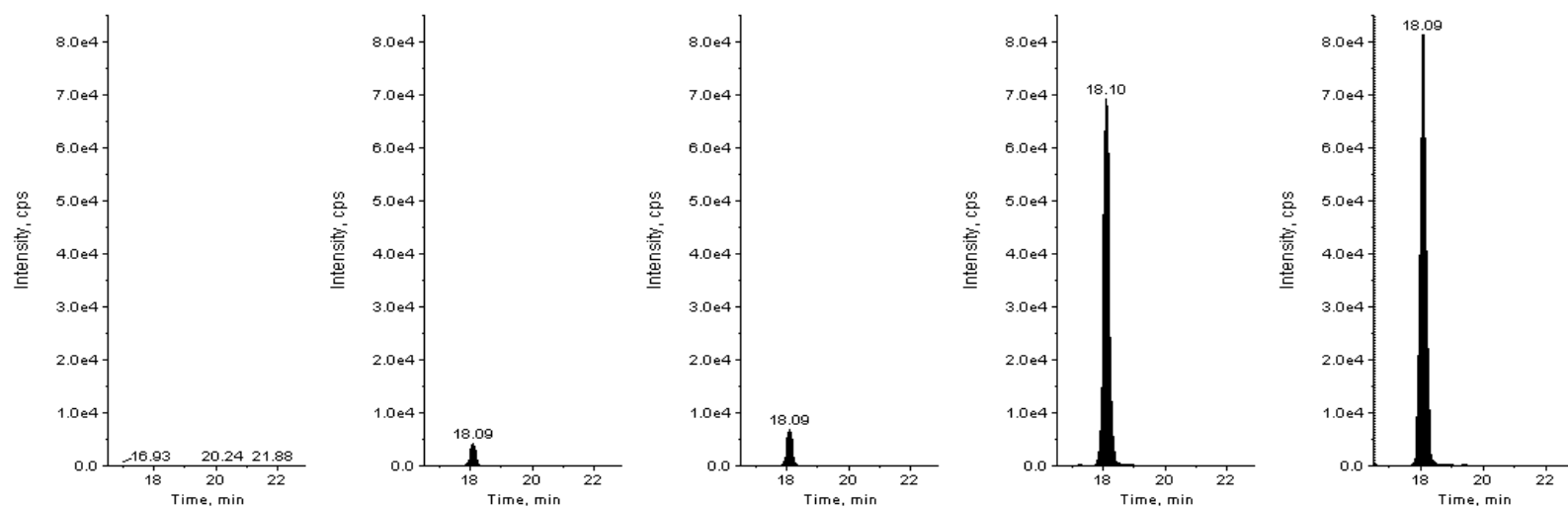


Figure: First MRM of Propargite: 368 amu $\rightarrow$ 175 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

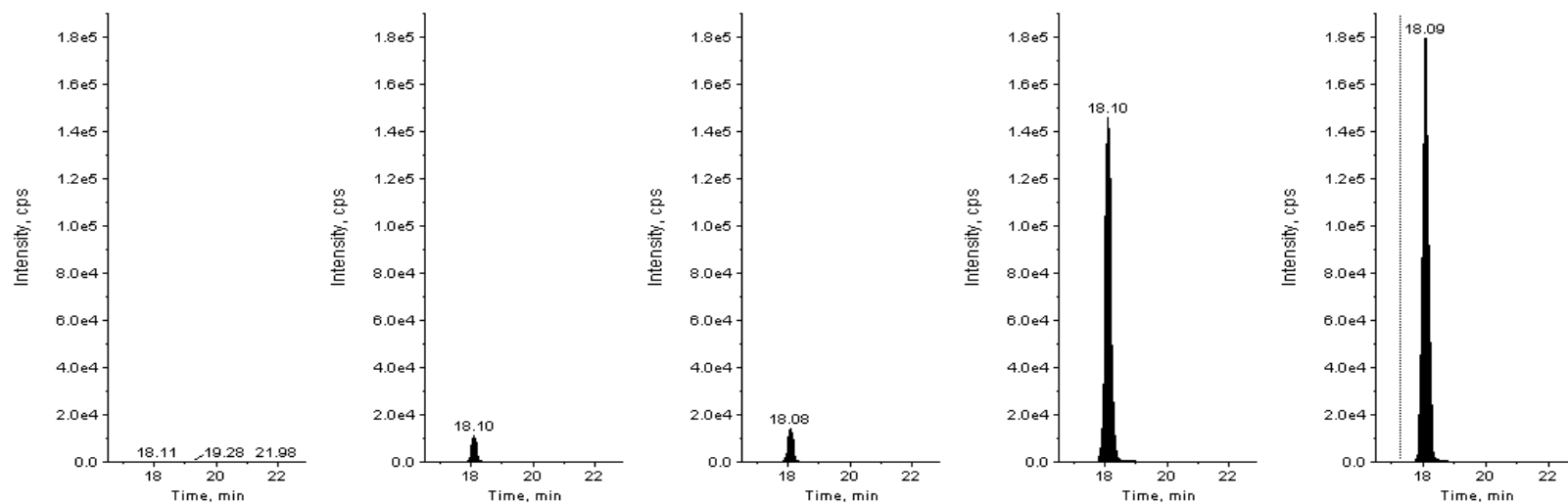


Figure: Second MRM of Propargite: 368 amu $\rightarrow$ 231 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

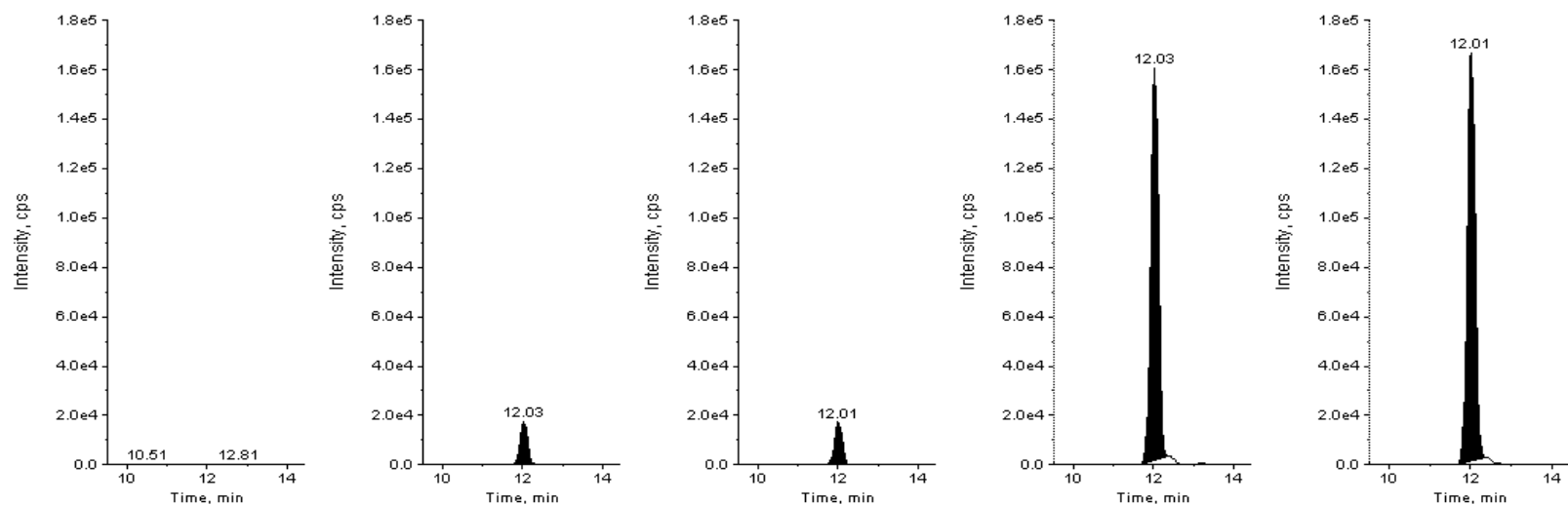


Figure: First MRM of Propazin-2-hydroxy: 212 amu $\rightarrow$ 128 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

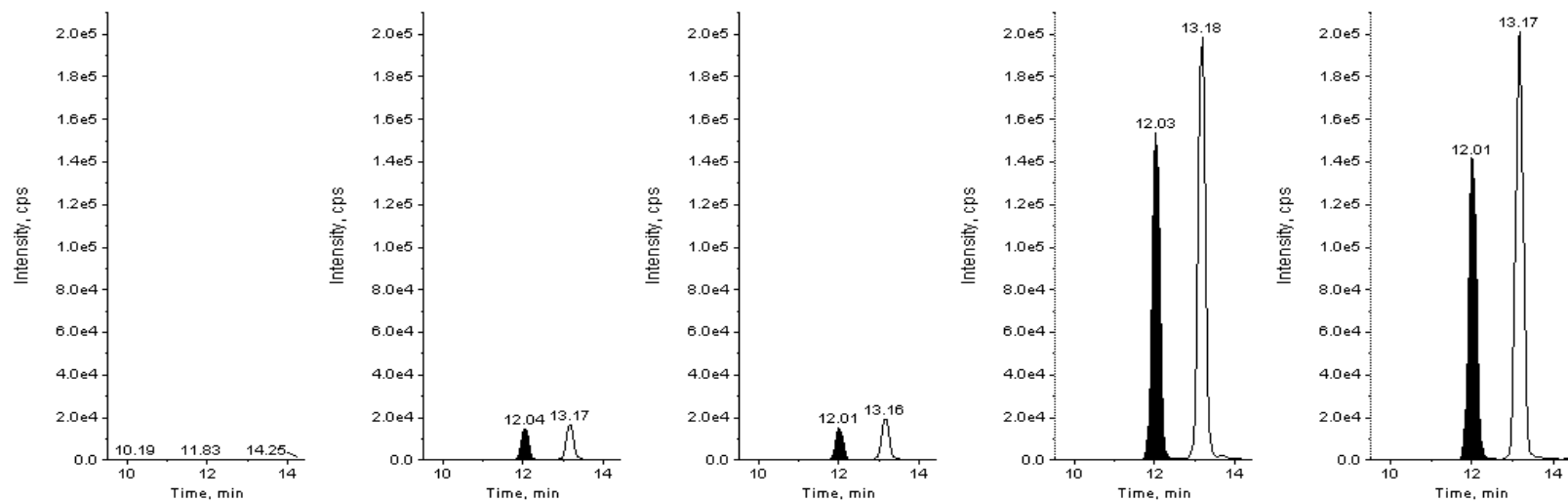


Figure: Second MRM of Propazin-2-hydroxy: 212 amu $\rightarrow$ 170 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

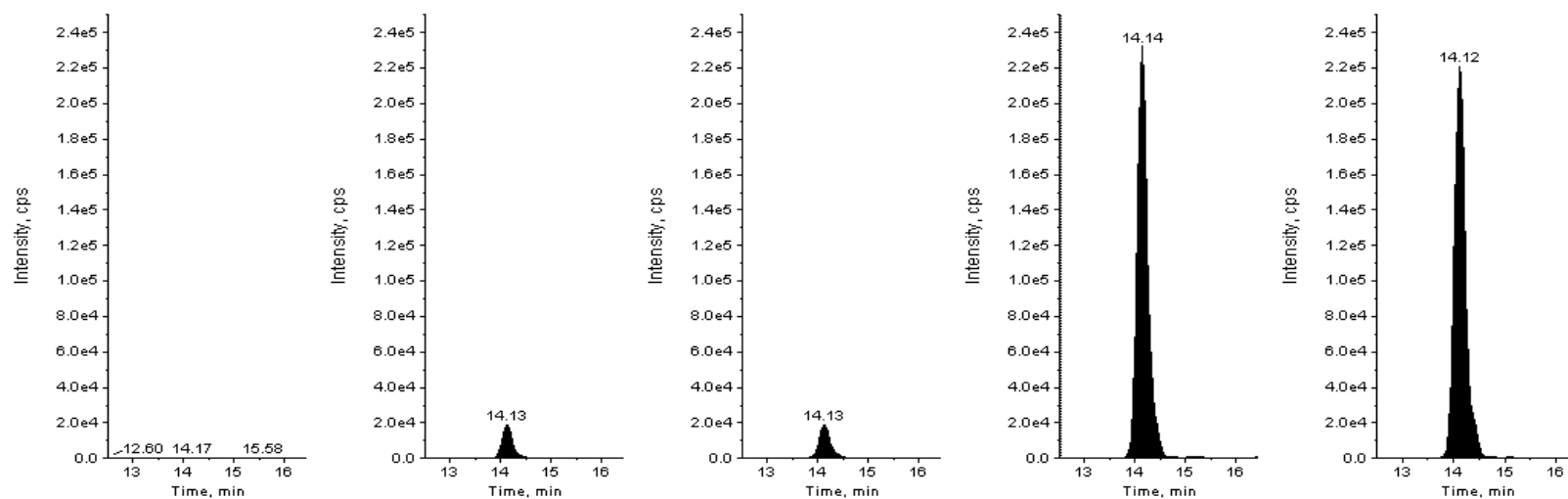


Figure: First MRM of Propazine: 230 amu $\rightarrow$ 146 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

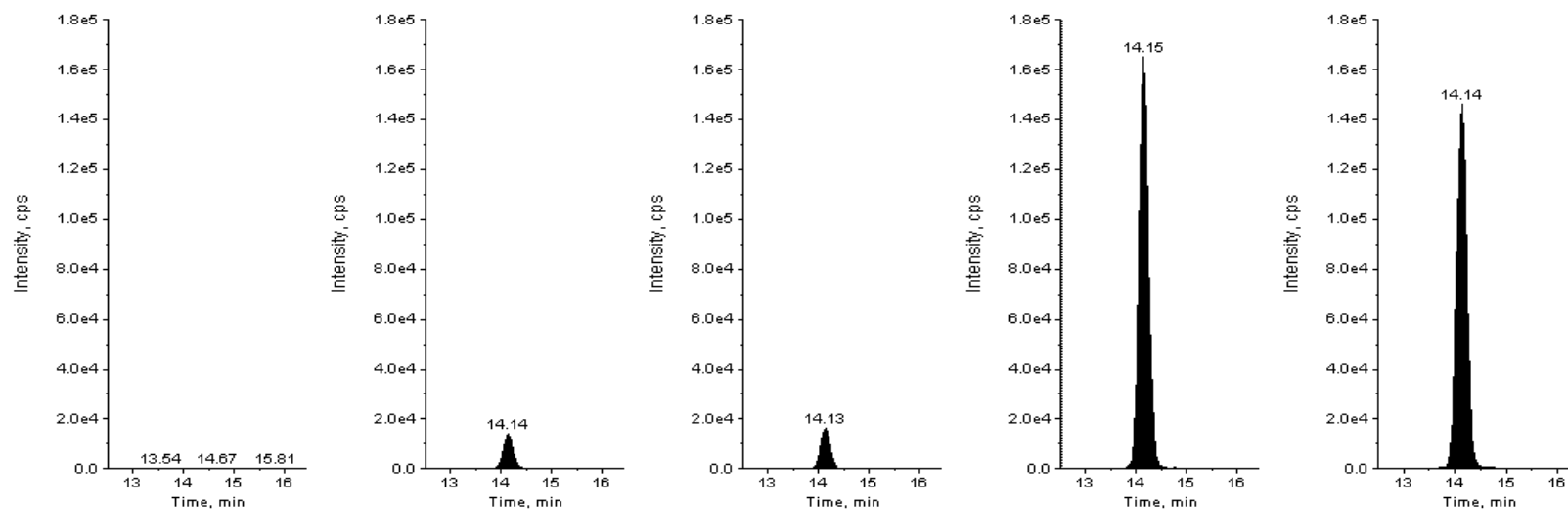


Figure: Second MRM of Propazine: 230 amu $\rightarrow$ 188 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

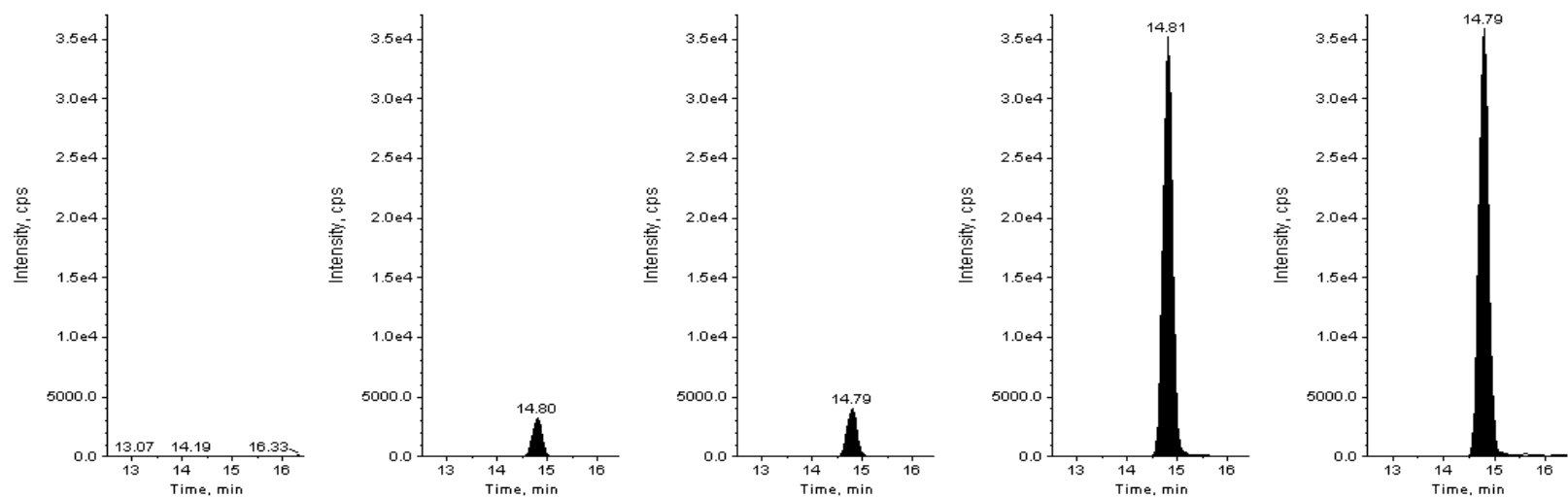


Figure: First MRM of Propetamphos: 282 amu → 156 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

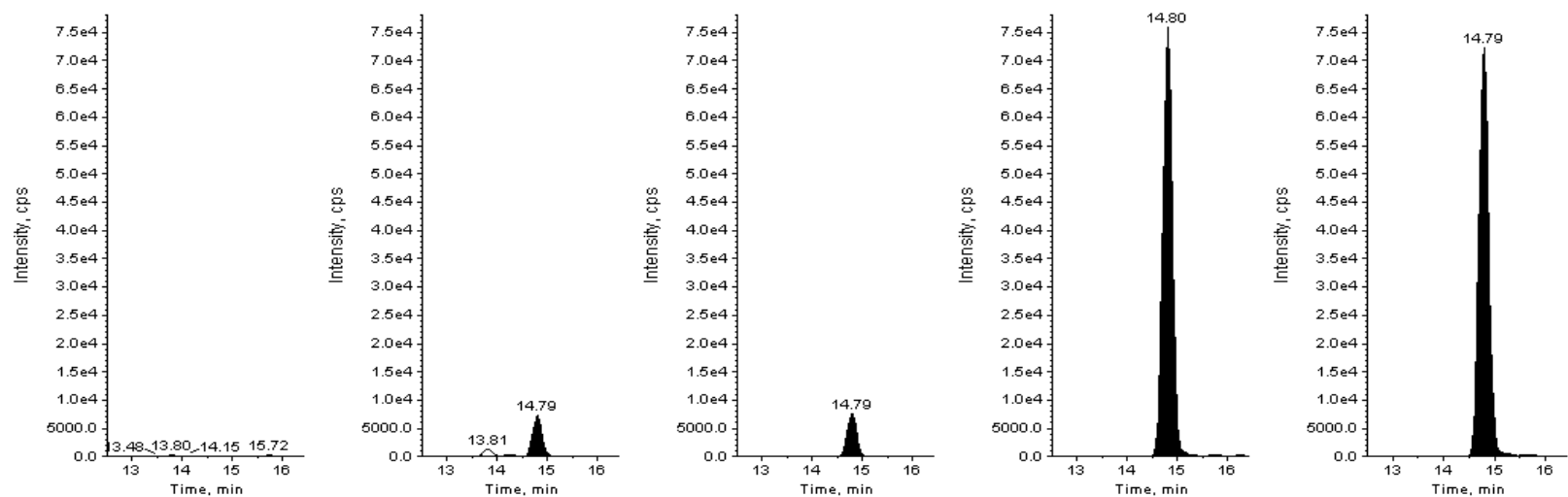


Figure: Second MRM of Propetamphos: 282 amu → 138 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

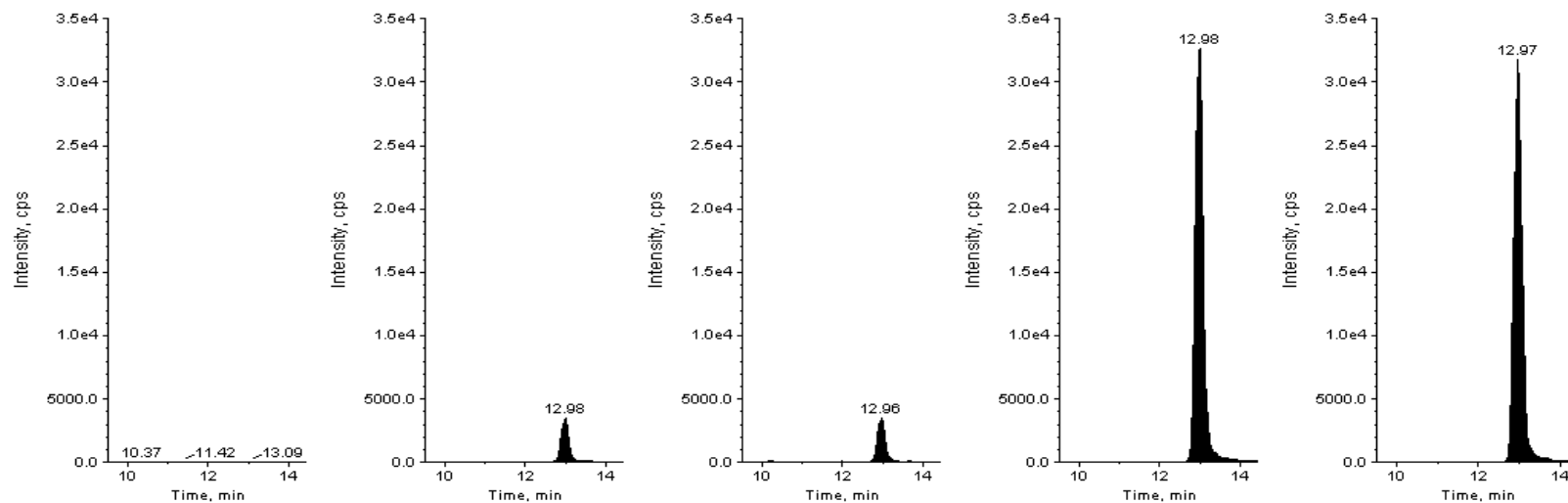


Figure: First MRM of Propham: 180 amu $\rightarrow$ 138 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

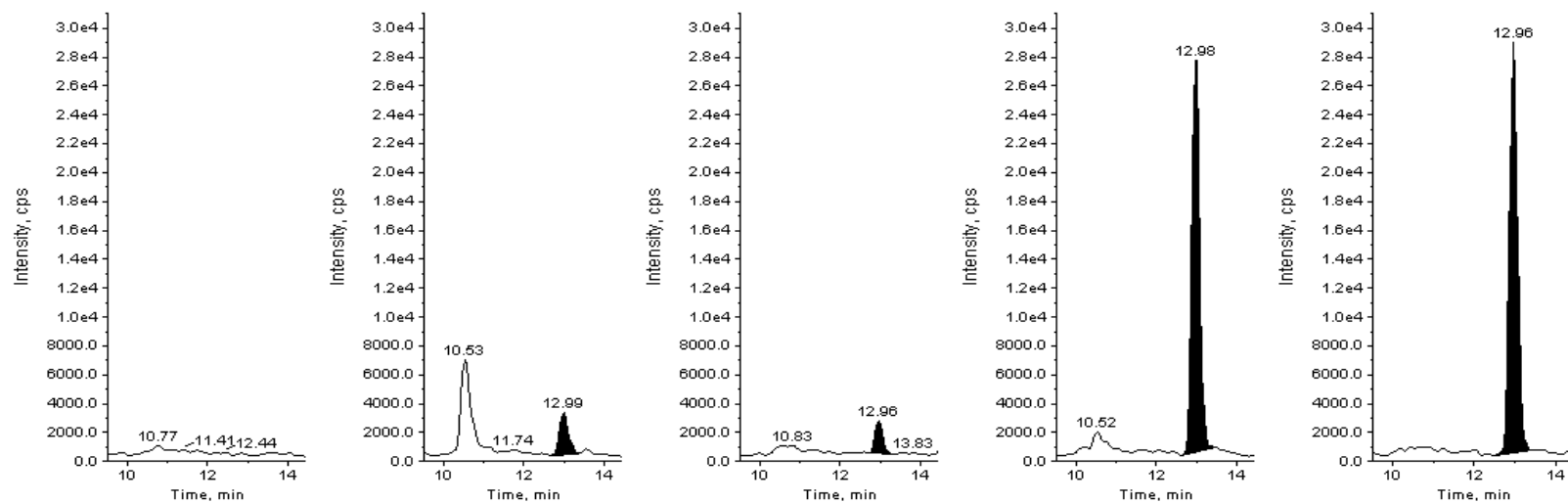


Figure: Second MRM of Propham: 180 amu $\rightarrow$ 120 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

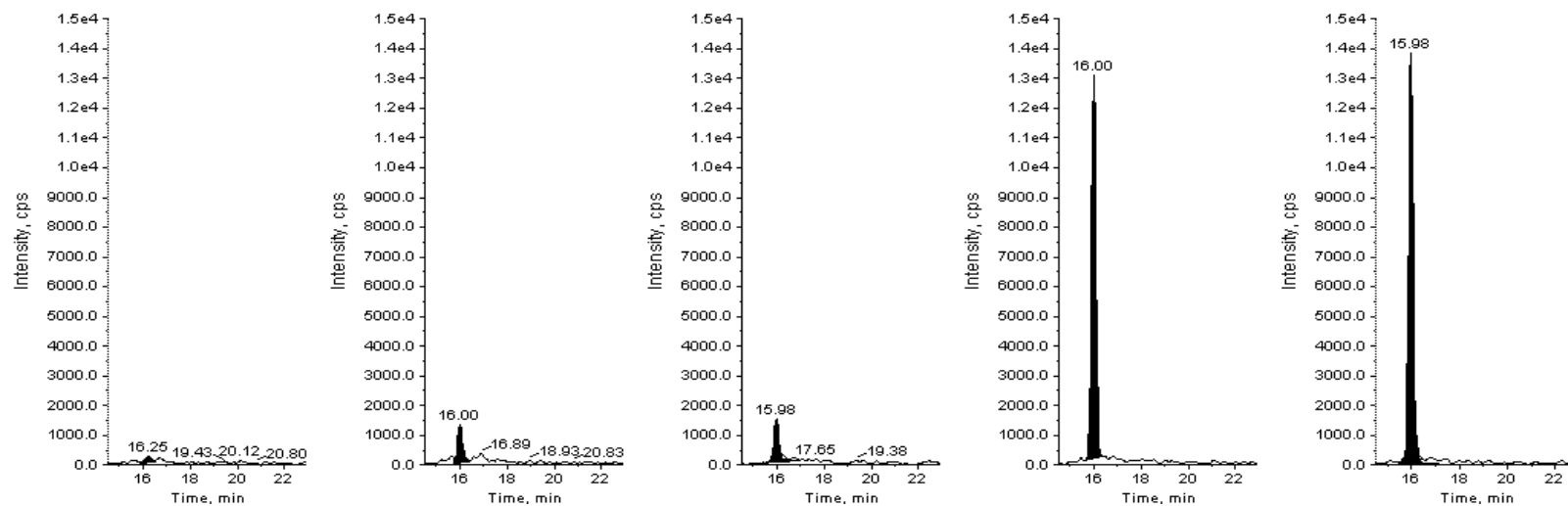


Figure: First MRM of Propiconazole: 342 amu $\rightarrow$ 69 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

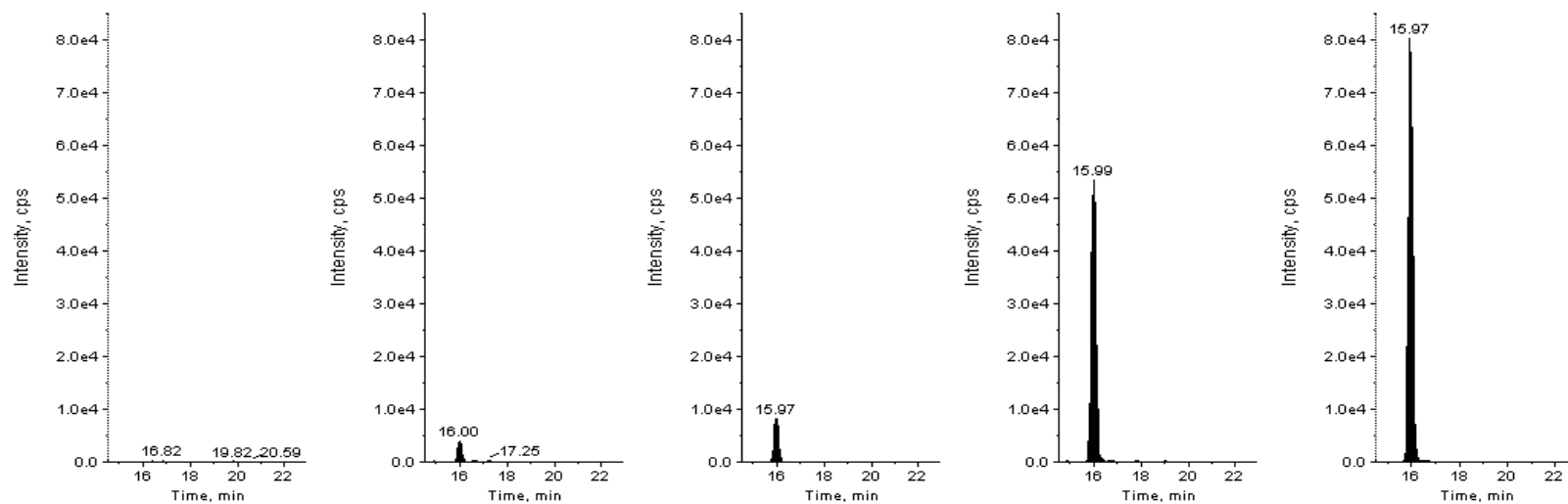


Figure: Second MRM of Propiconazole: 342 amu $\rightarrow$ 159 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

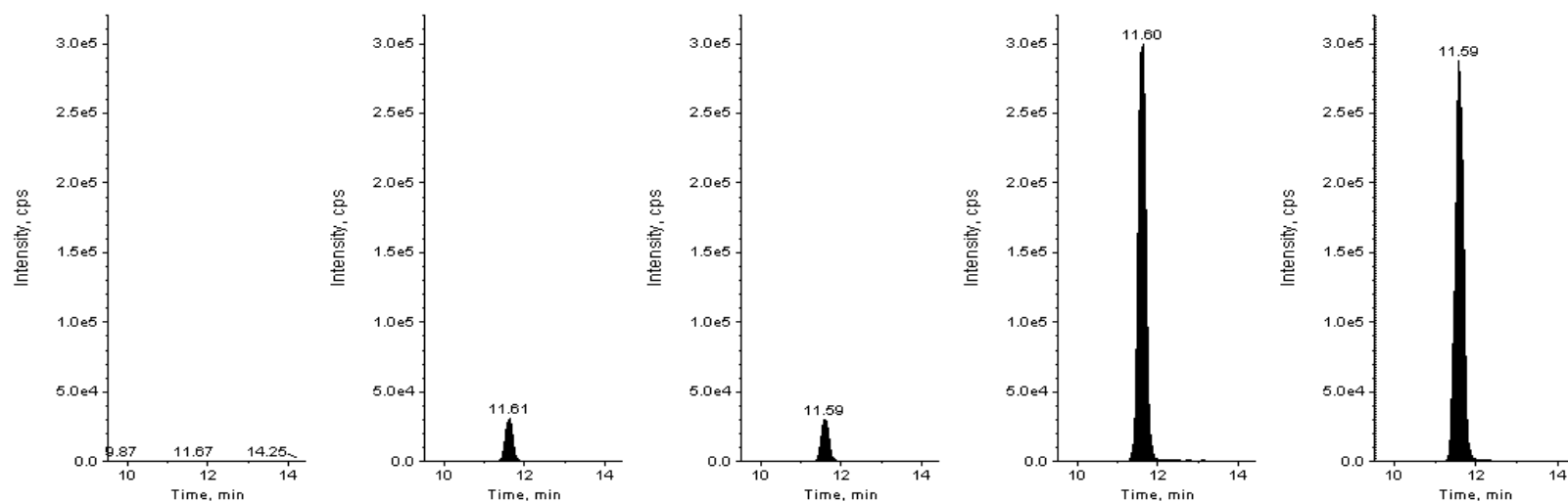


Figure: First MRM of Propoxur: 210 amu $\rightarrow$ 111 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

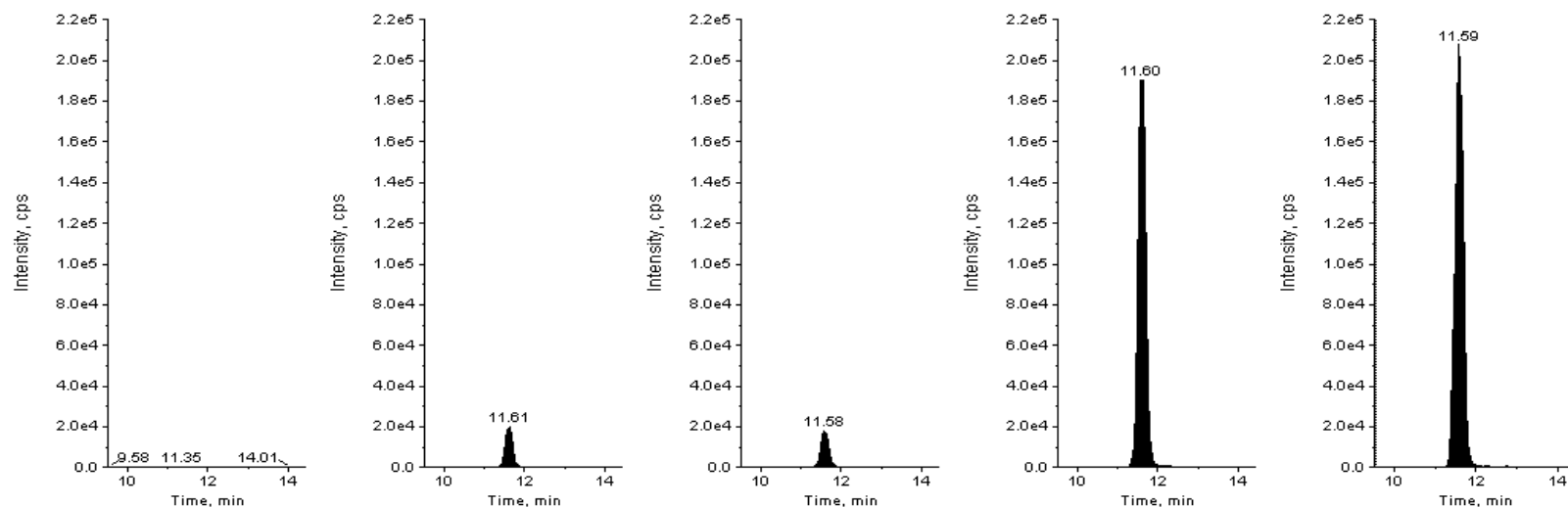


Figure: Second MRM of Propoxur: 210 amu $\rightarrow$ 168 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

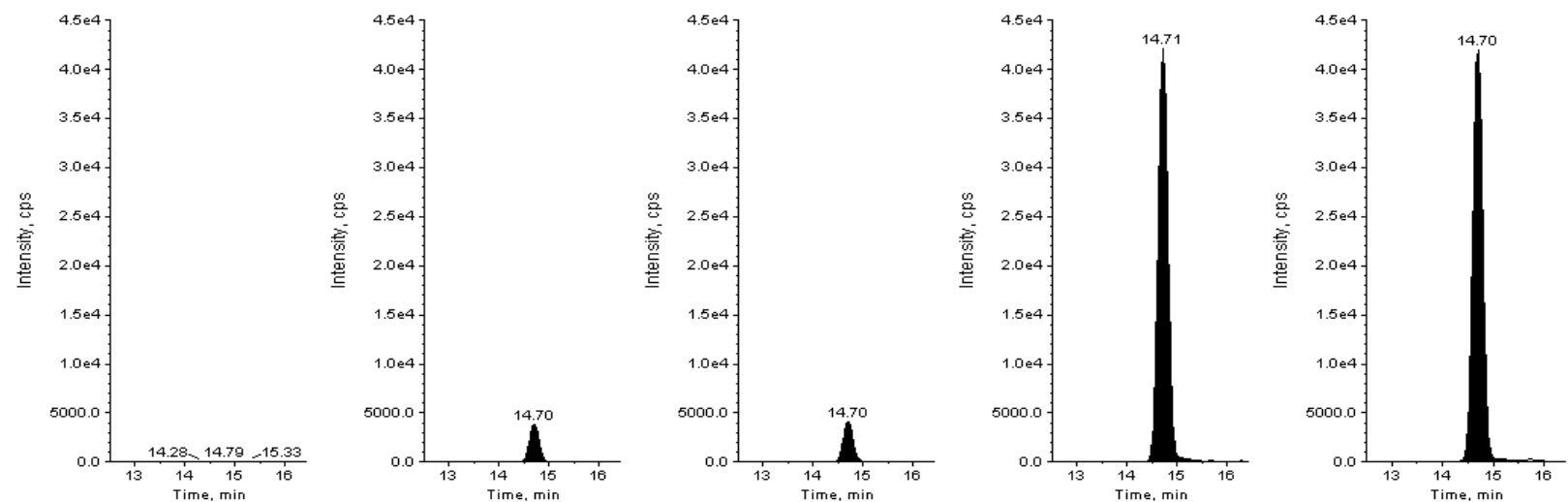


Figure: First MRM of Propyzamide: 256 amu → 173 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

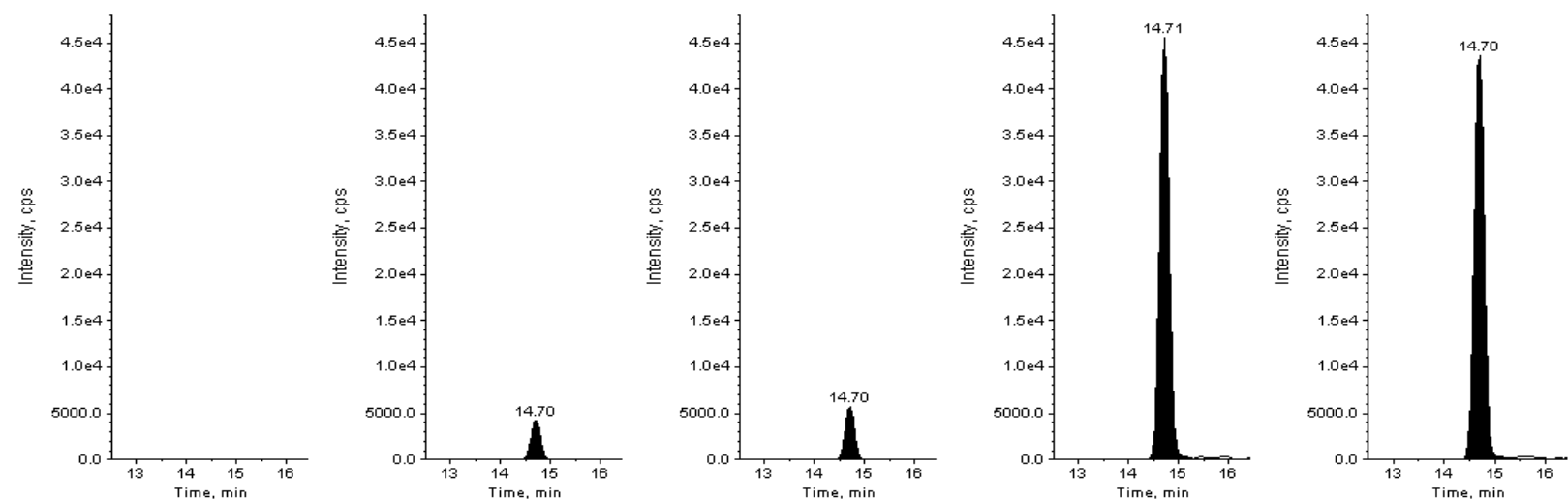


Figure: Second MRM of Propyzamide: 256 amu → 190 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

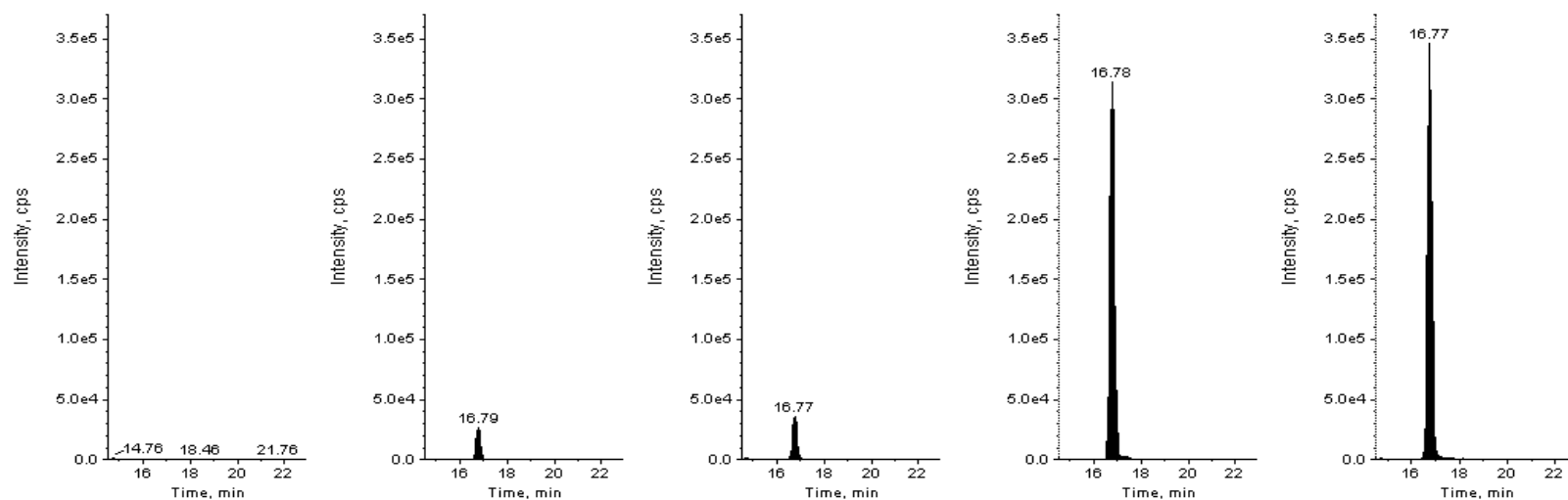


Figure: First MRM of Prosulfocarb: 252 amu $\rightarrow$ 91 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

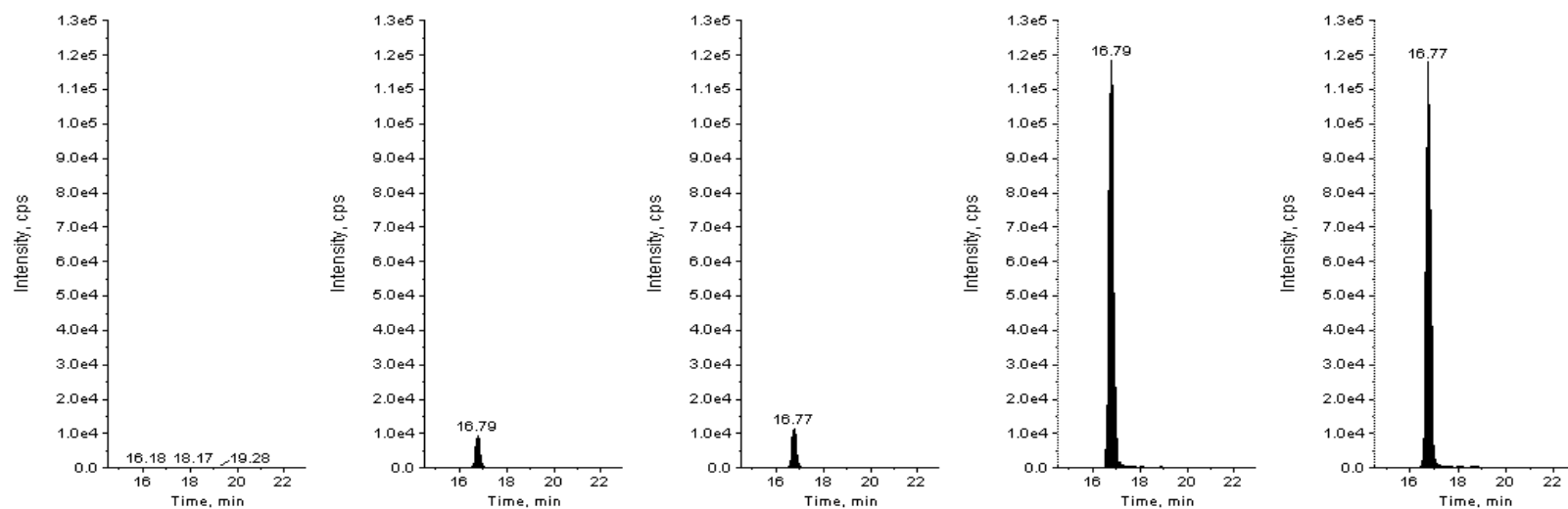


Figure: Second MRM of Prosulfocarb: 252 amu $\rightarrow$ 128 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

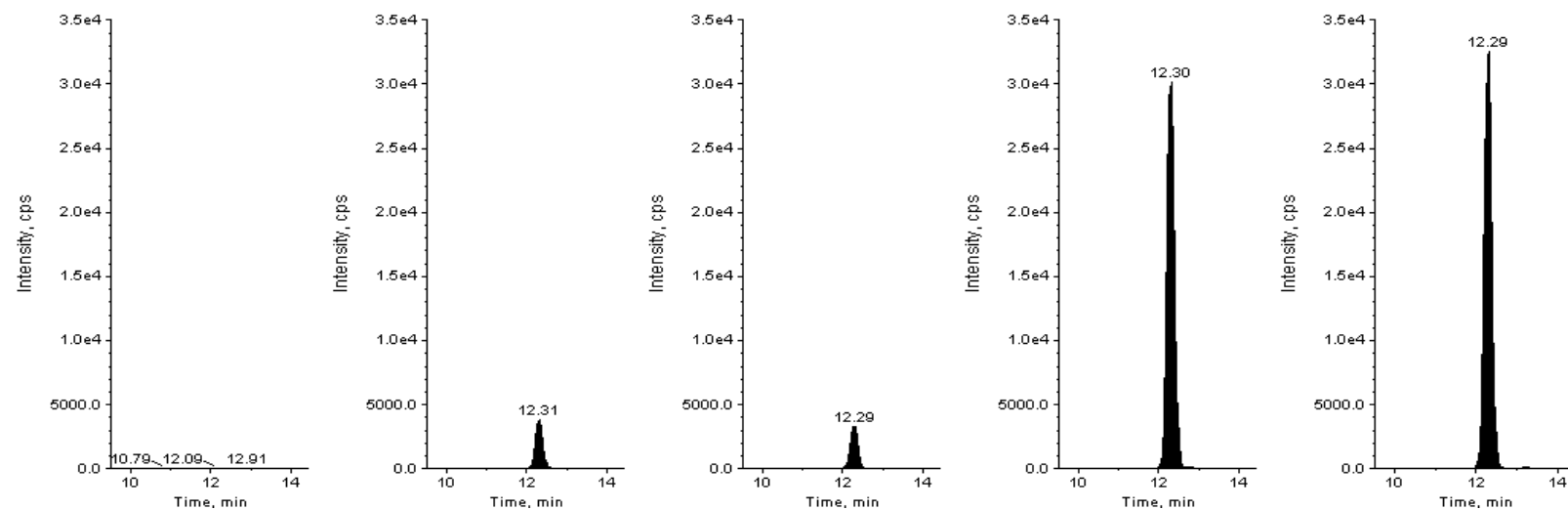


Figure: First MRM of Prosulfuron: 420 amu $\rightarrow$ 141 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

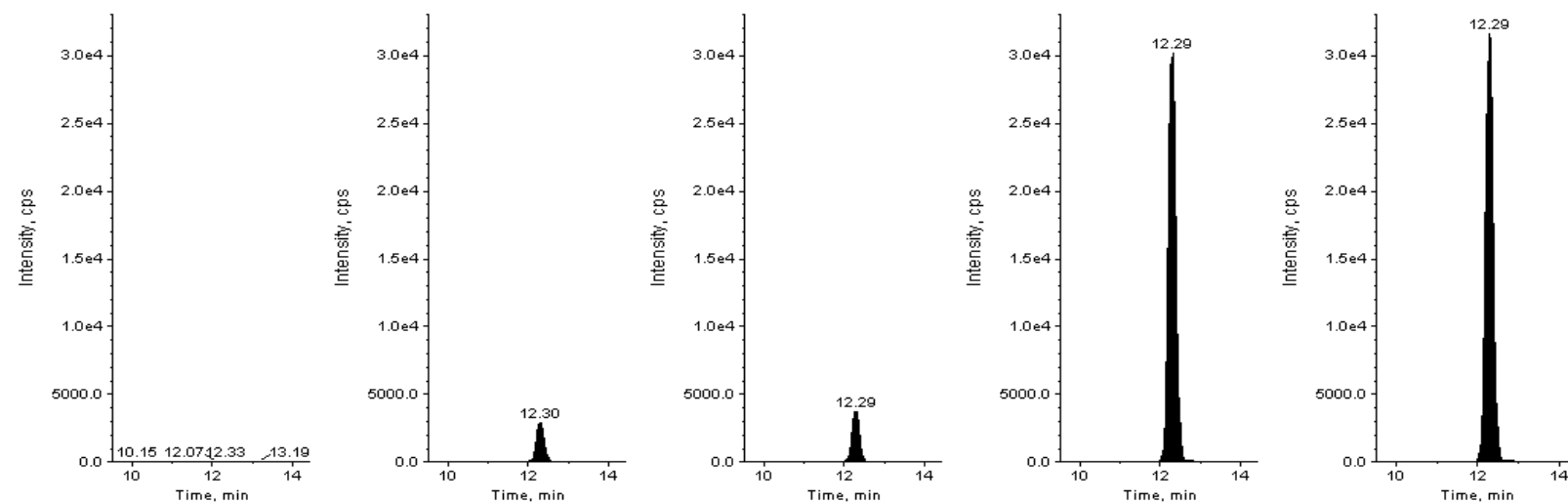


Figure: Second MRM of Prosulfuron: 420 amu $\rightarrow$ 167 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

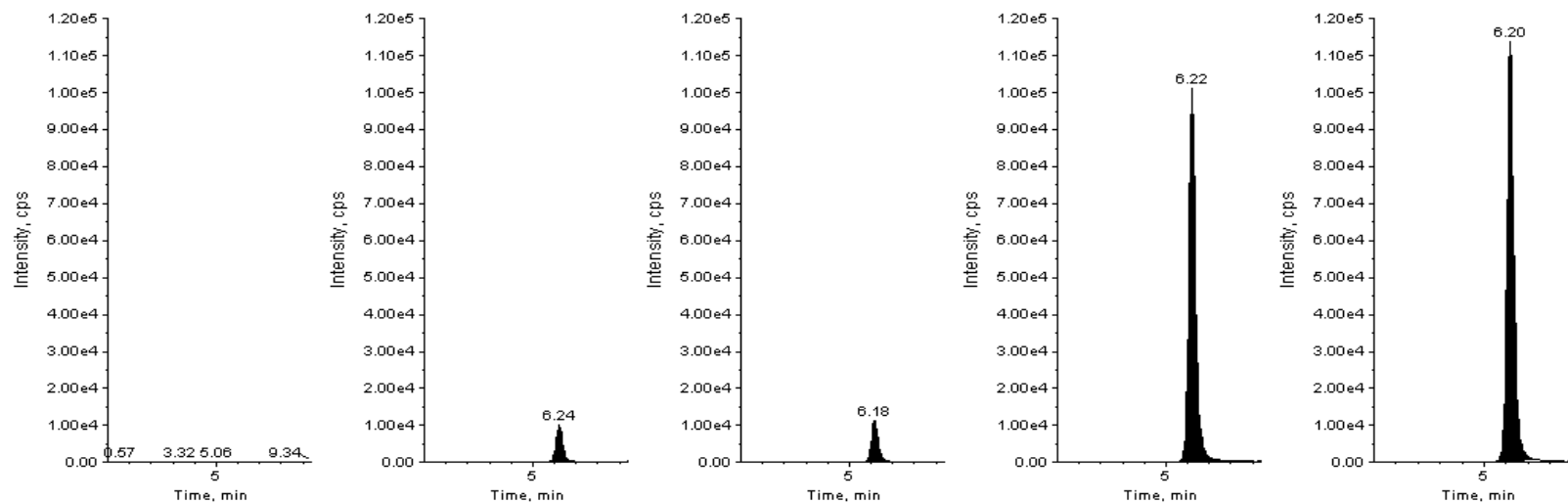


Figure: First MRM of Pymetrozin: 218 amu → 105 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

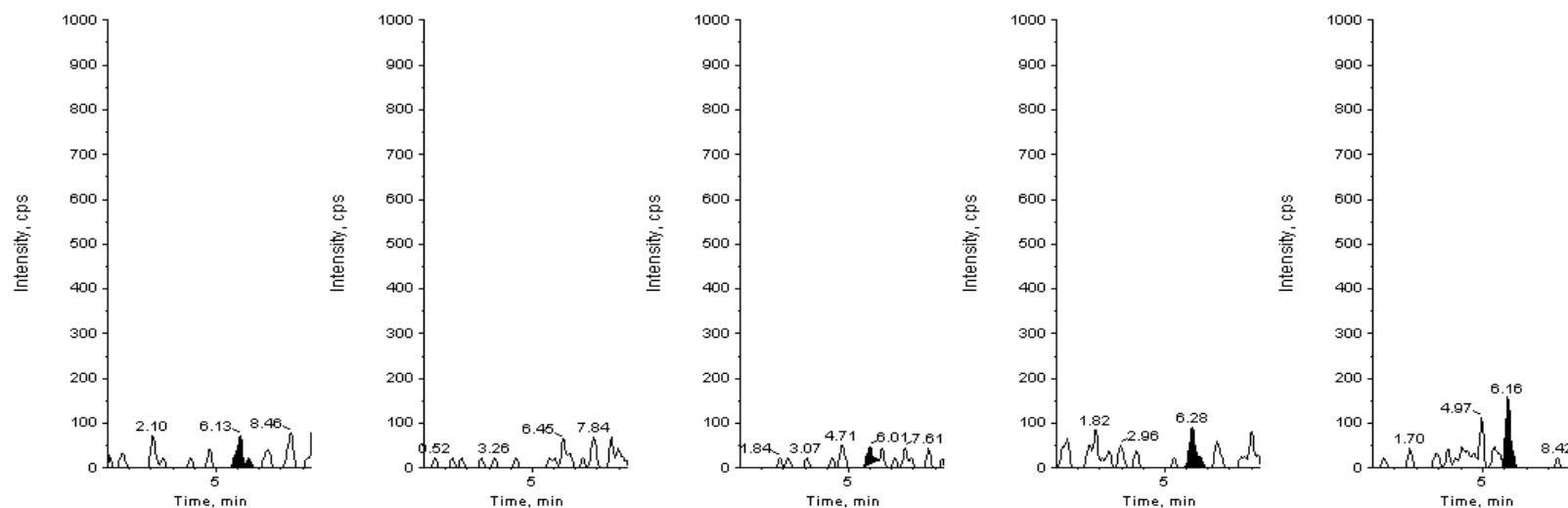


Figure: Second MRM of Pymetrozin: 218 amu → 79 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

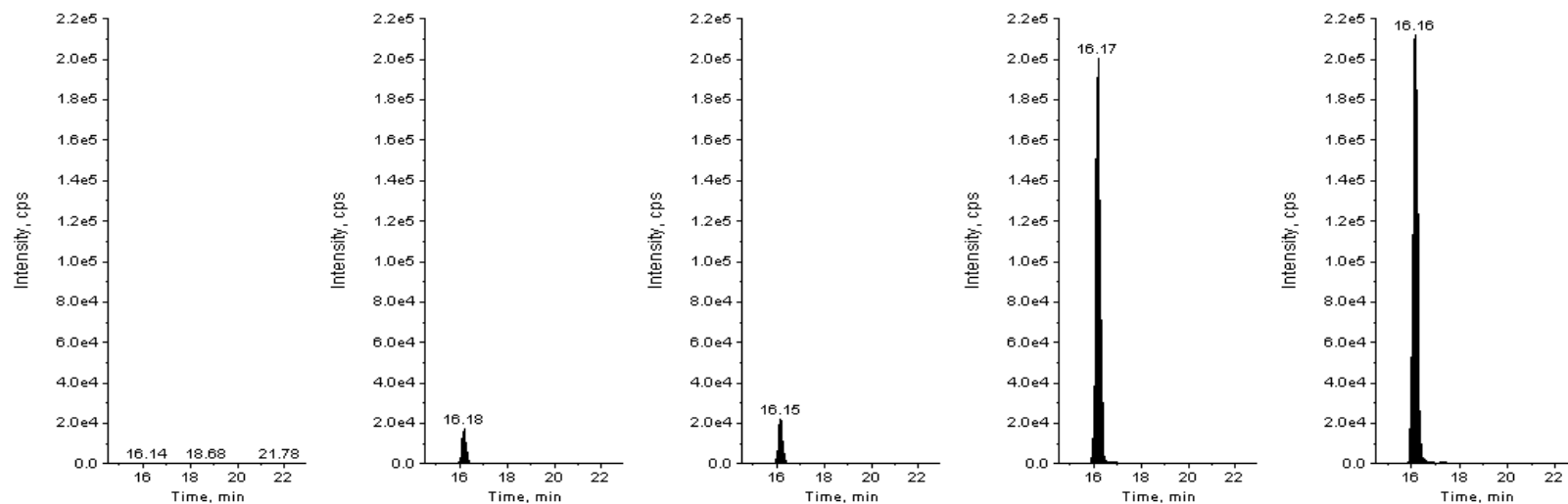


Figure: First MRM of Pyraclostrobin: 388 amu $\rightarrow$ 194 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

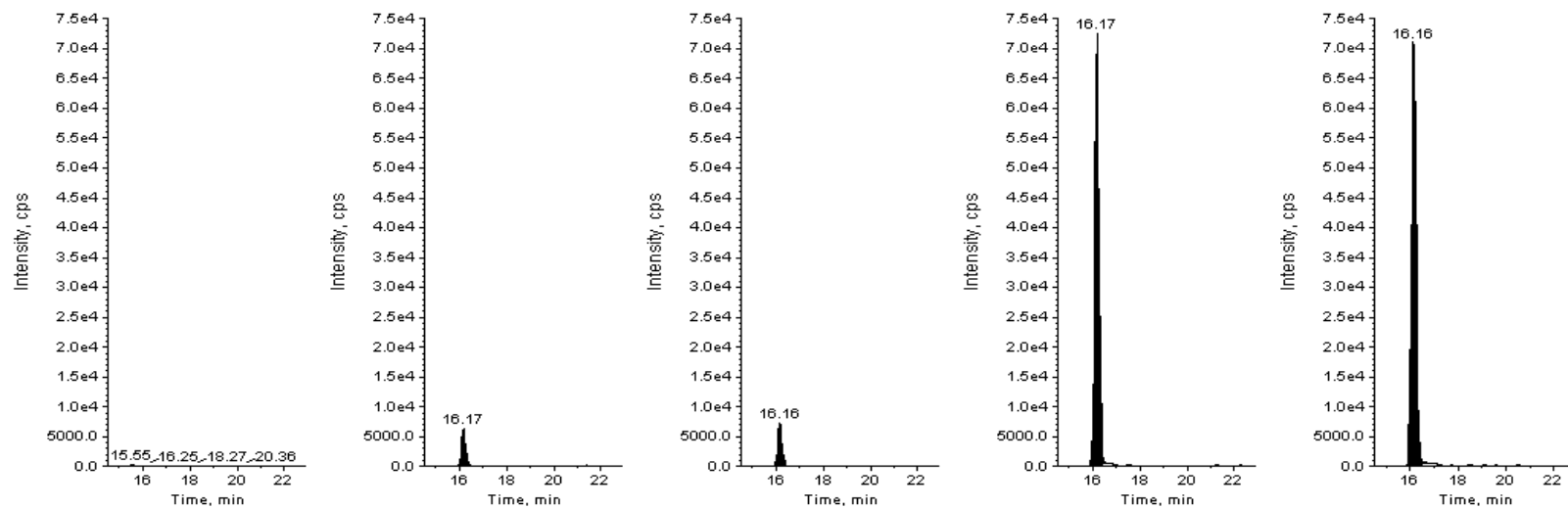


Figure: Second MRM of Pyraclostrobin: 388 amu $\rightarrow$ 163 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

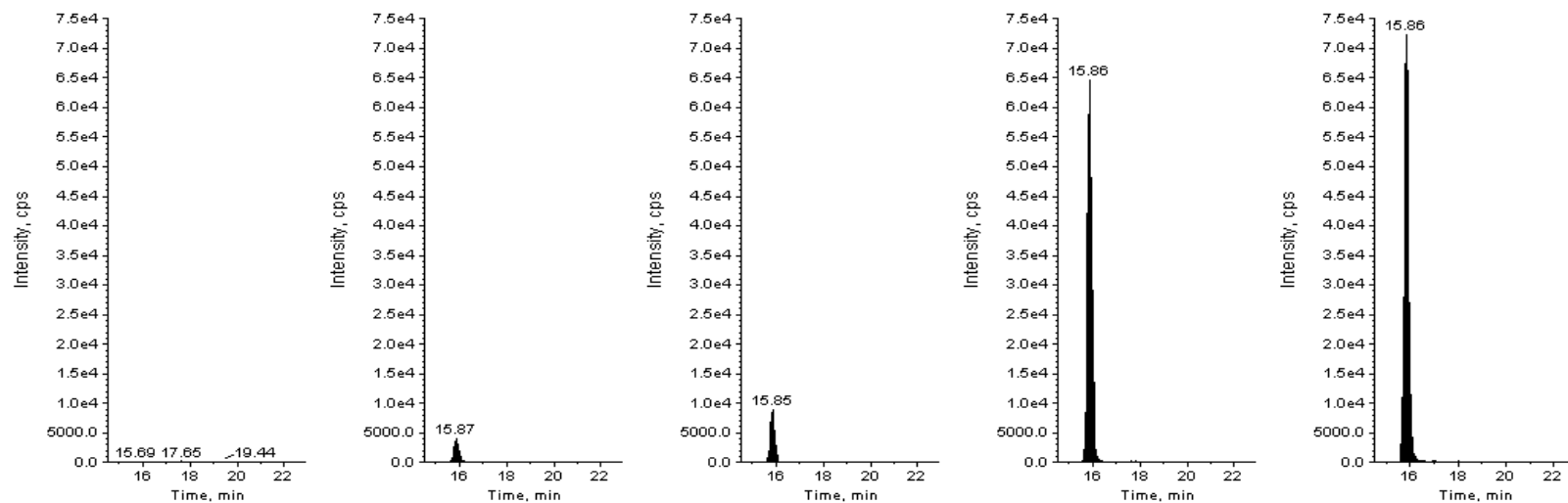


Figure: First MRM of Pyraflufen-ethyl: 413 amu $\rightarrow$ 339 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

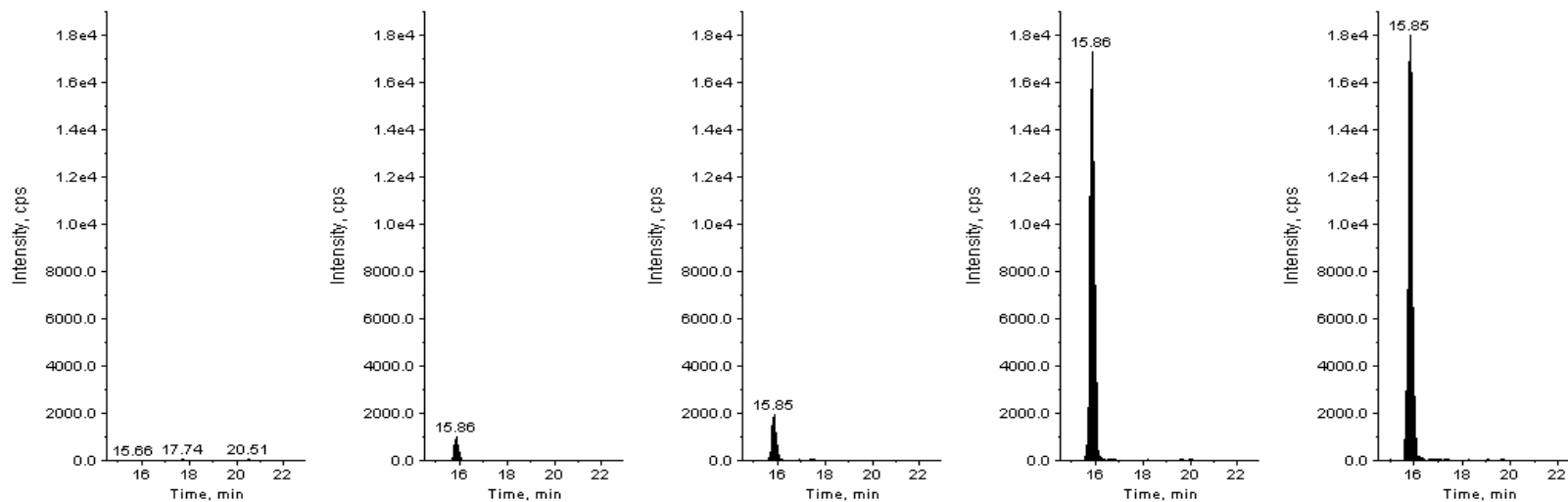


Figure: Second MRM of Pyraflufen-ethyl: 413 amu $\rightarrow$ 253 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

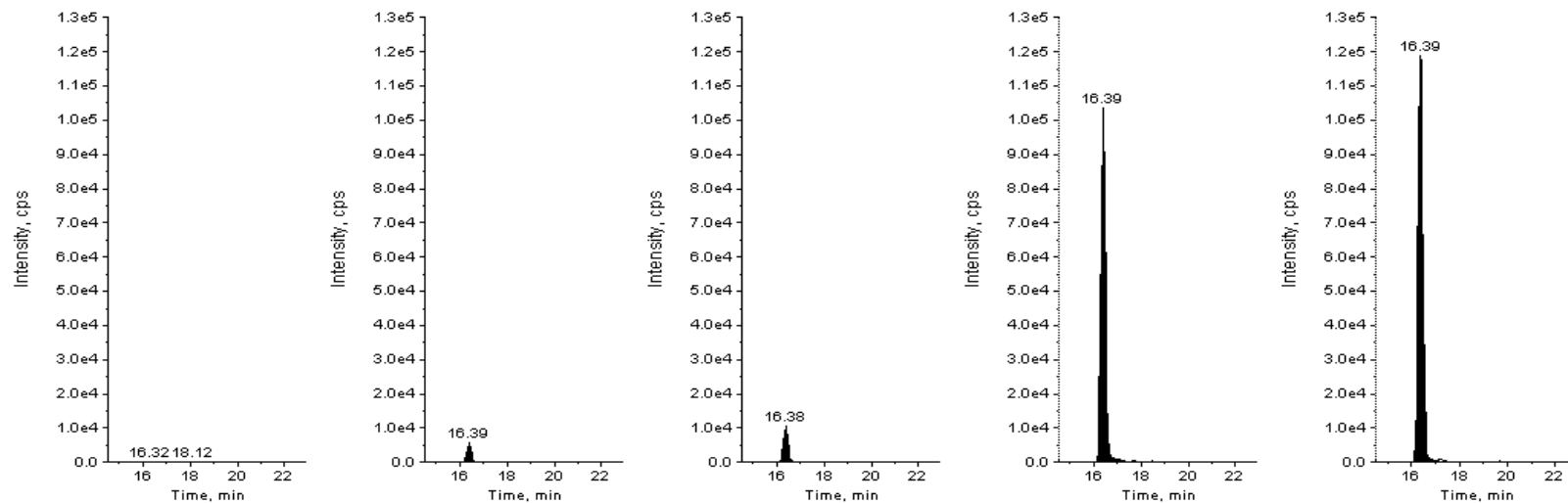


Figure: First MRM of Pyrazophos: 374 amu $\rightarrow$ 222 amu
(Control sample, standard 0.1 μ g/L, spiked sample 0.1 μ g/L, standard 1.0 μ g/L, spiked sample 1.0 μ g/L, from left to right)

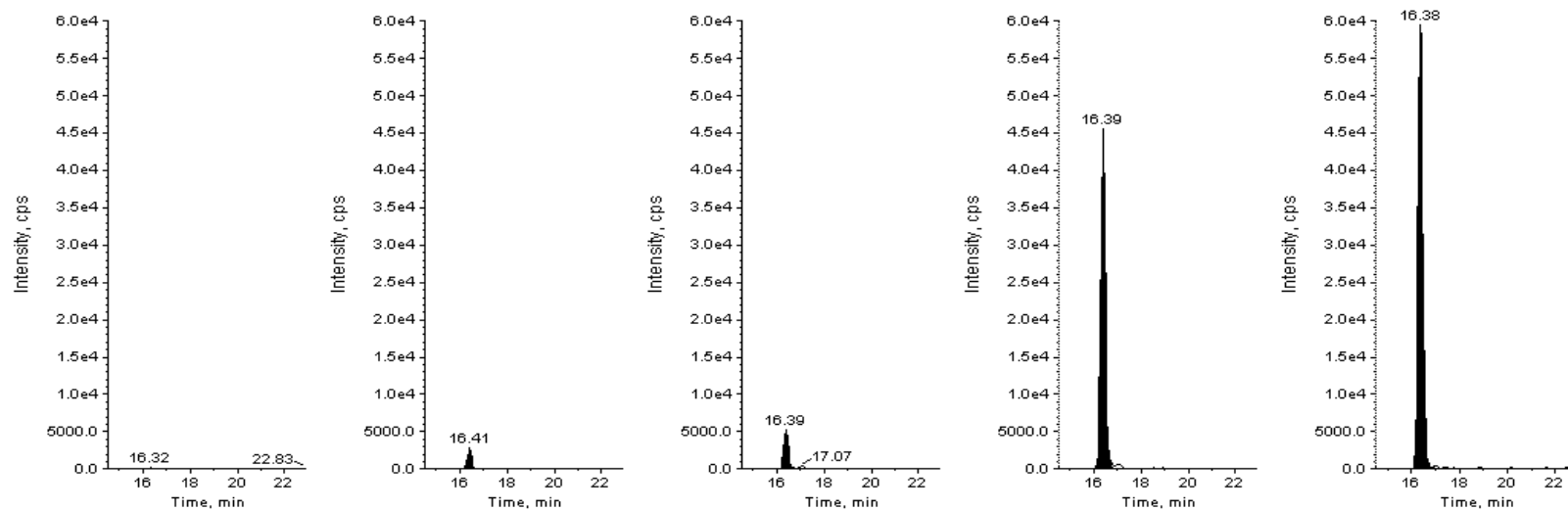


Figure: Second MRM of Pyrazophos: 374 amu $\rightarrow$ 194 amu
(Control sample, standard 0.1 μ g/L, spiked sample 0.1 μ g/L, standard 1.0 μ g/L, spiked sample 1.0 μ g/L, from left to right)

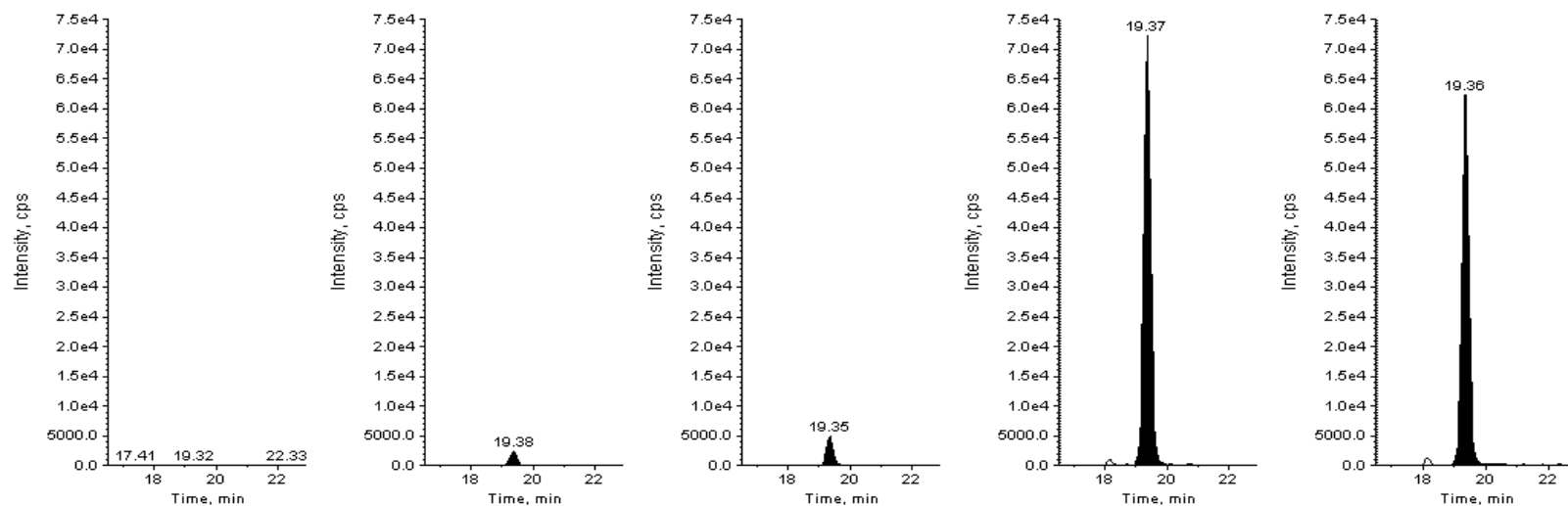


Figure: First MRM of Pyridaben: 365 amu → 309 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

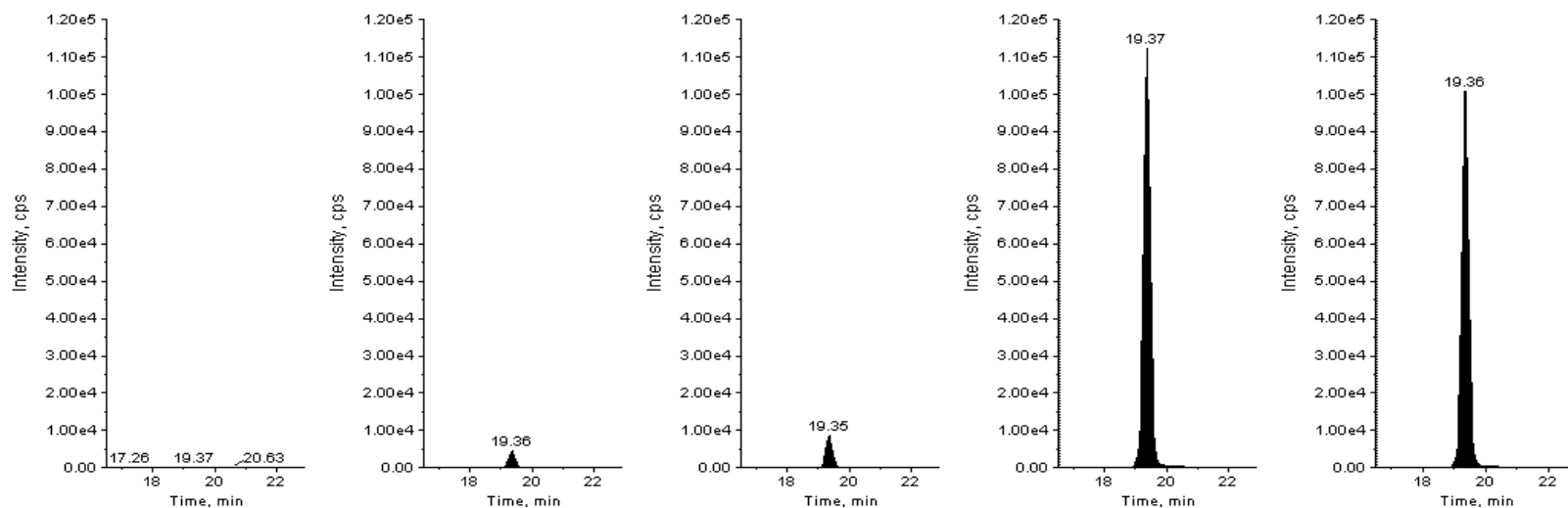


Figure: Second MRM of Pyridaben: 365 amu → 147 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

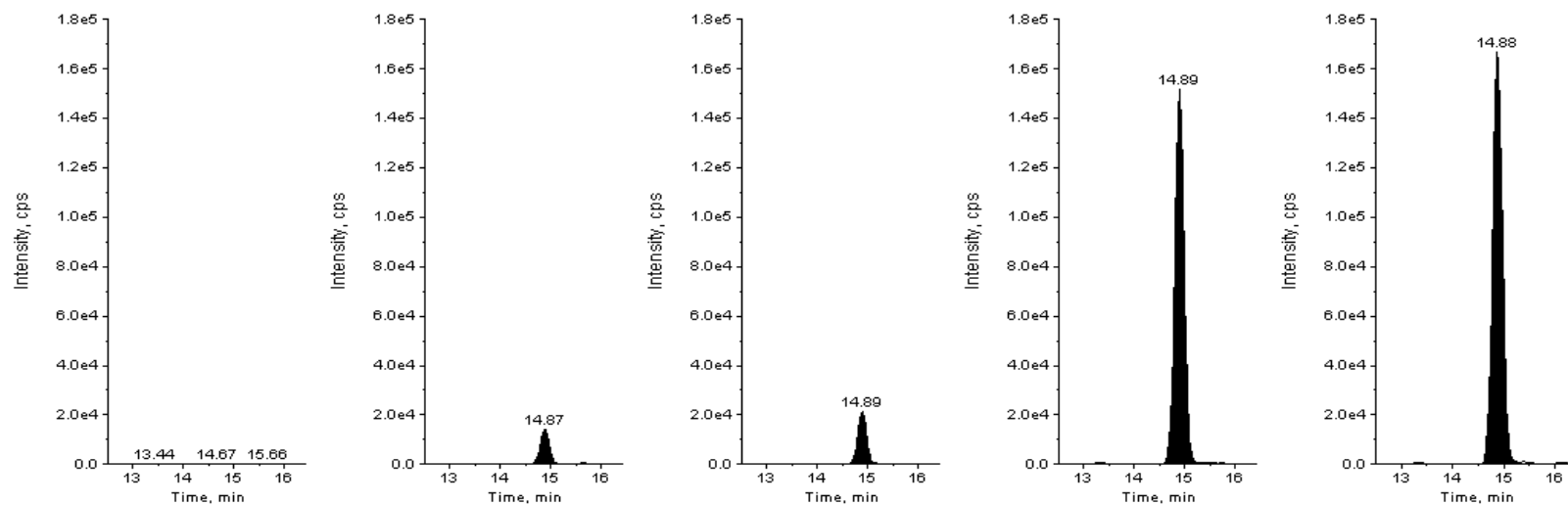


Figure: First MRM of Pyridaphenthion: 341 amu $\rightarrow$ 189 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

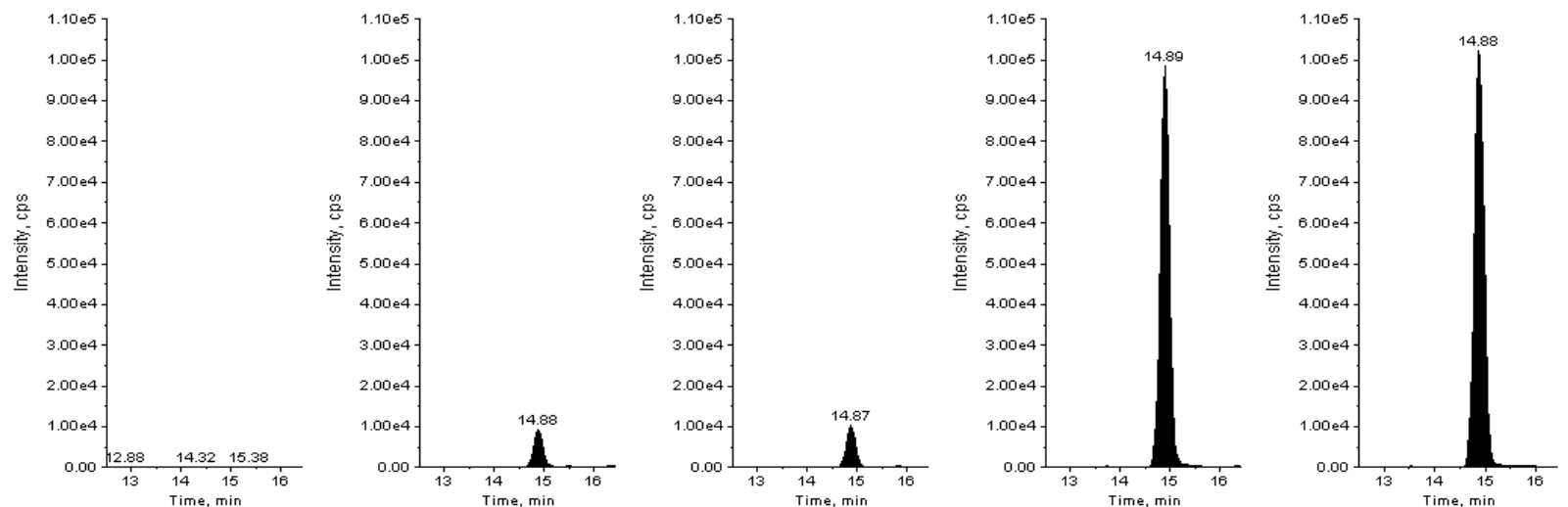


Figure: Second MRM of Pyridaphenthion: 341 amu $\rightarrow$ 205 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

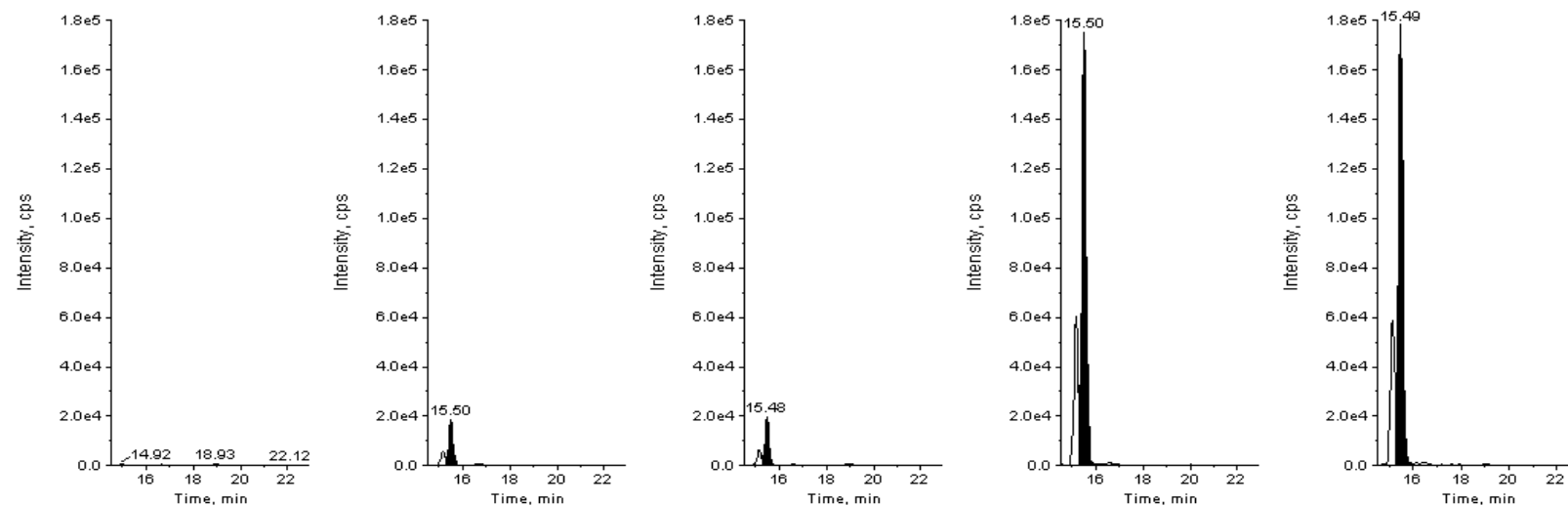


Figure: First MRM of Pyrifenox: 295 amu → 93 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

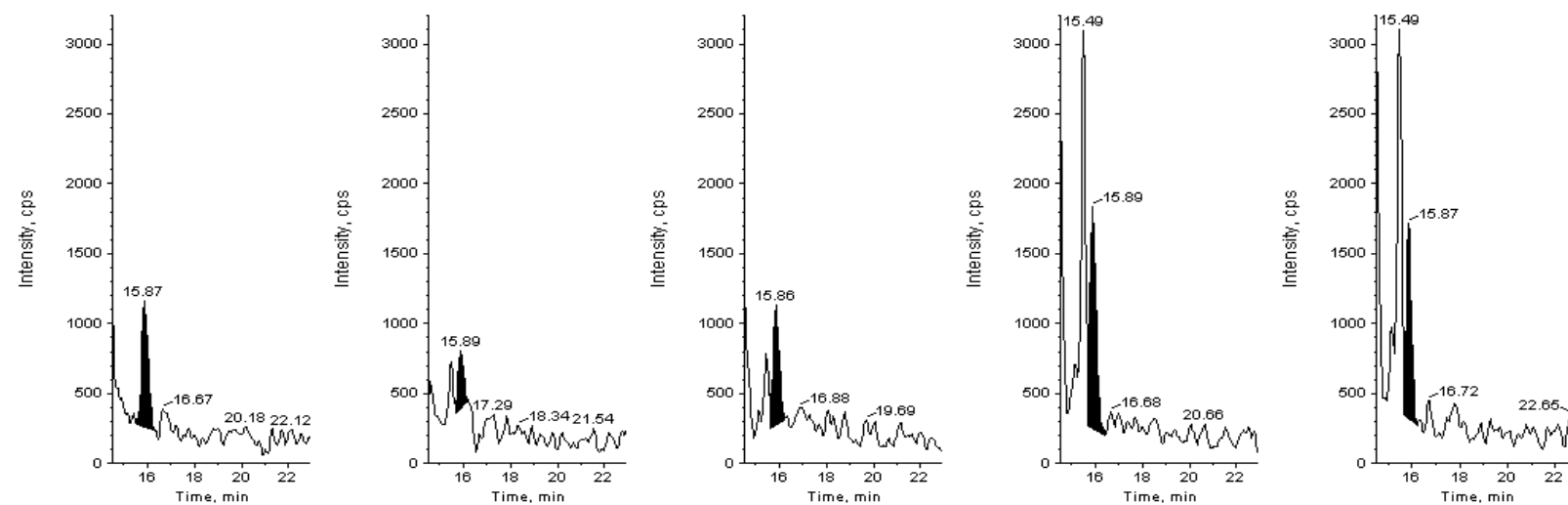


Figure: Second MRM of Pyrifenox: 295 amu → 263 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

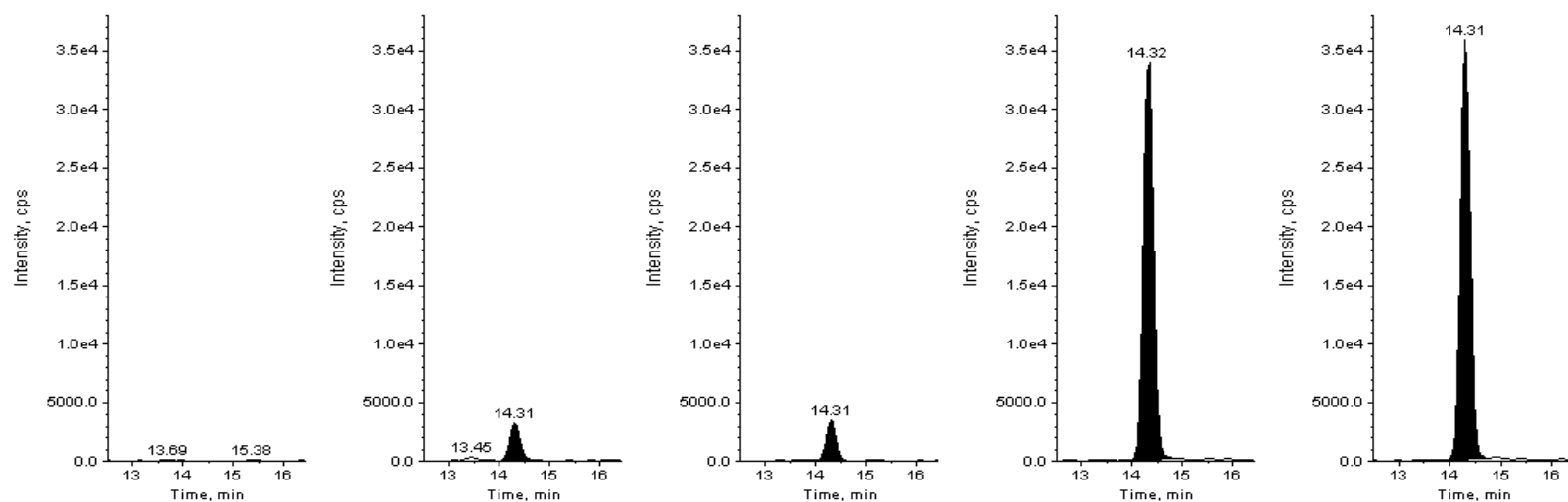


Figure: First MRM of Pyrimethanil: 200 amu $\rightarrow$ 82 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

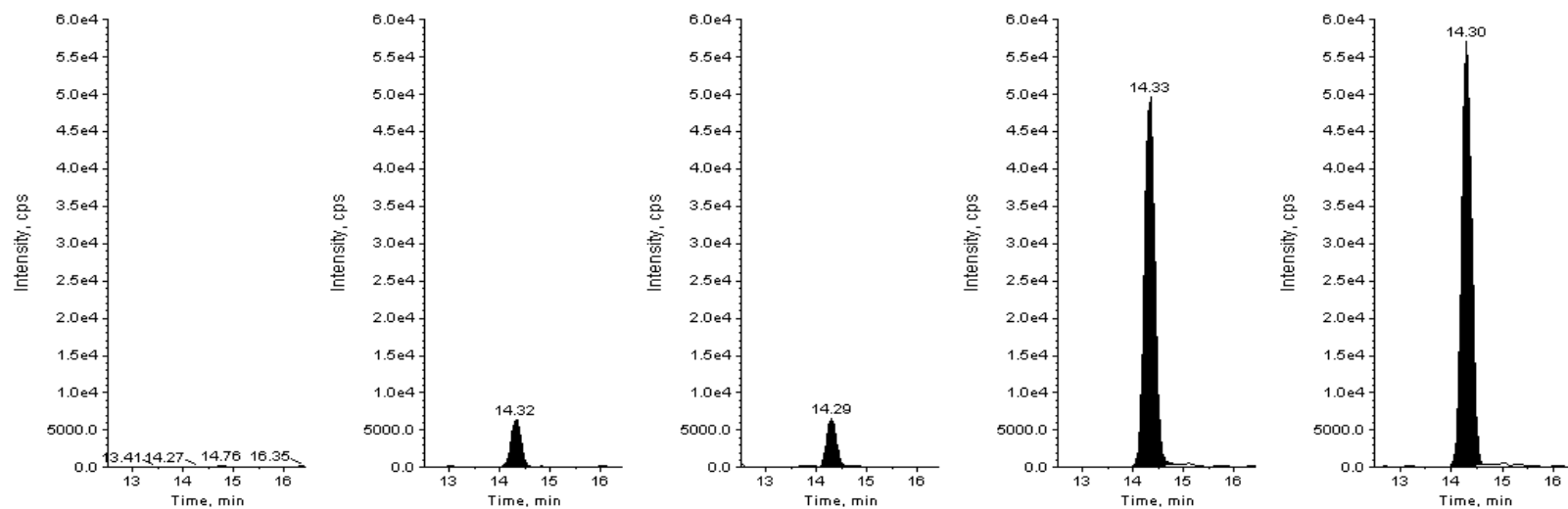


Figure: Second MRM of Pyrimethanil: 200 amu $\rightarrow$ 107 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

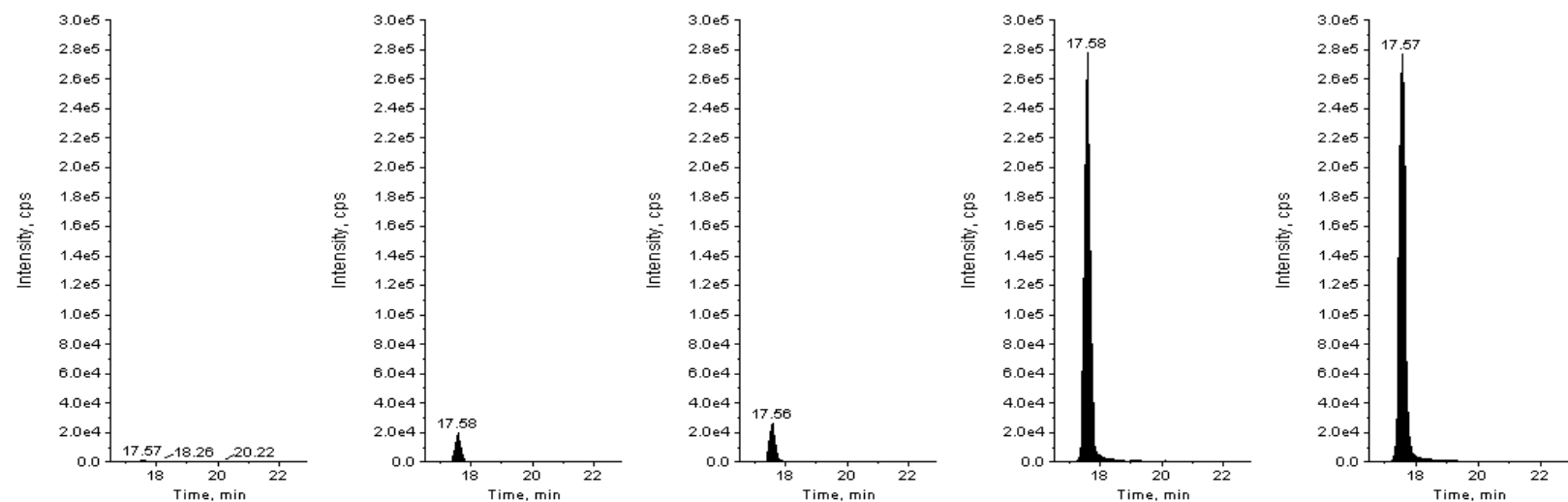


Figure: First MRM of Pyriproxyfen: 322 amu → 96 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

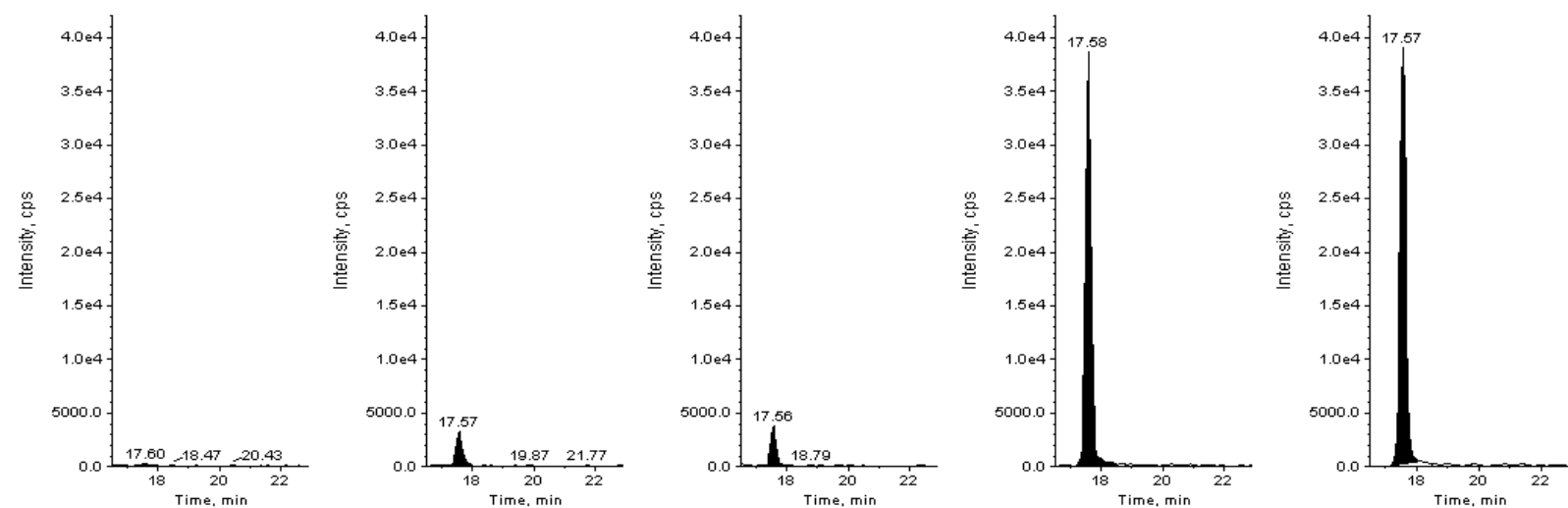


Figure: Second MRM of Pyriproxyfen: 322 amu → 185 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

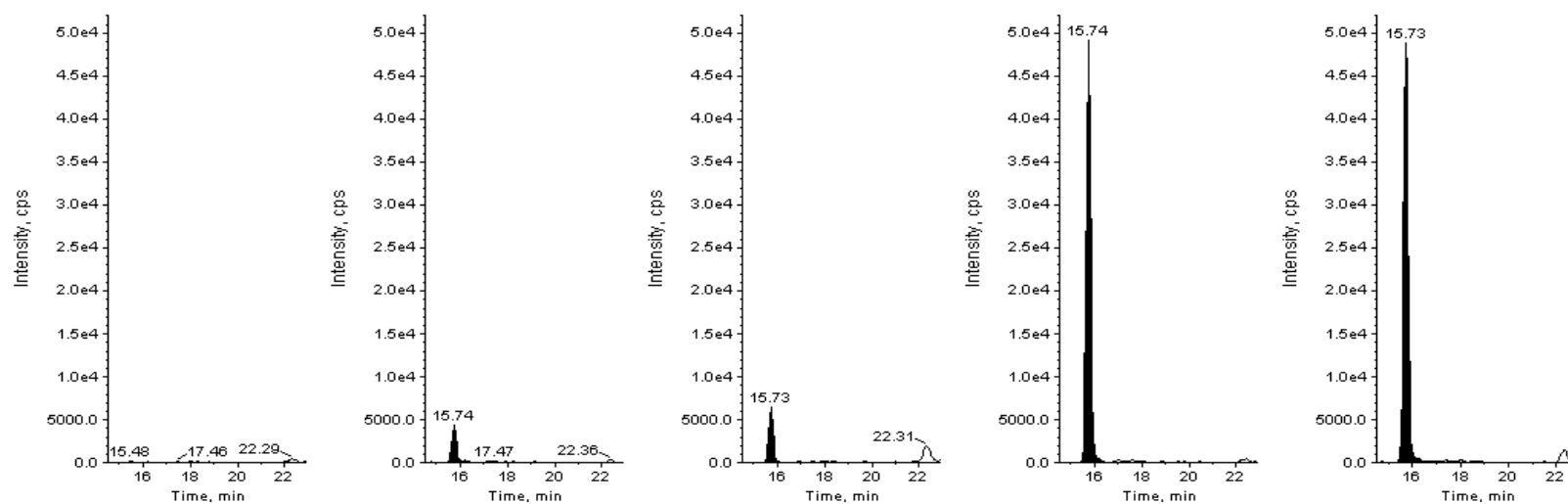


Figure: First MRM of Quinalphos: 299 amu $\rightarrow$ 163 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

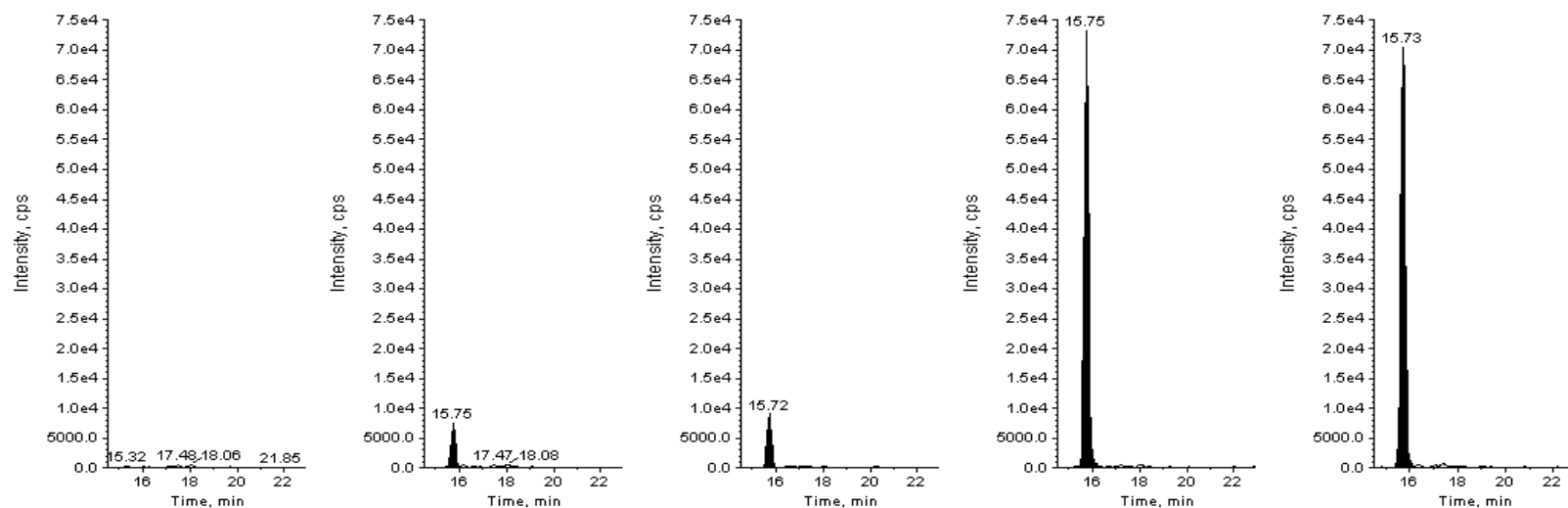


Figure: Second MRM of Quinalphos: 299 amu $\rightarrow$ 147 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

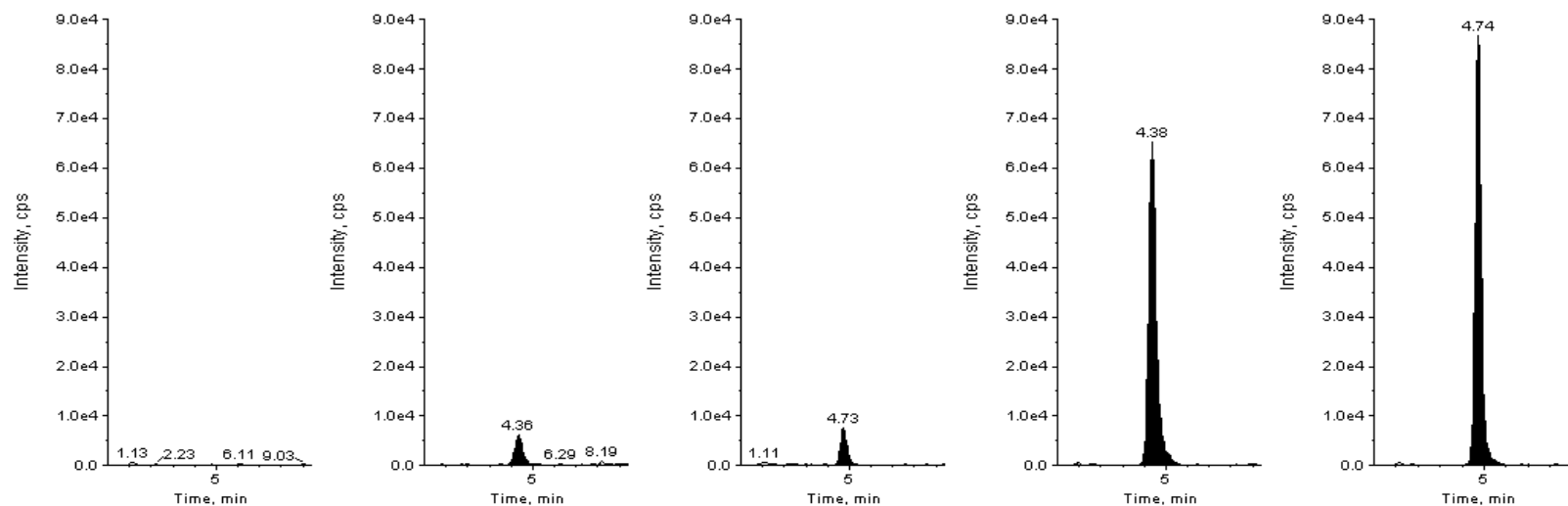


Figure: First MRM of Quinmerac: 222 amu $\rightarrow$ 204 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

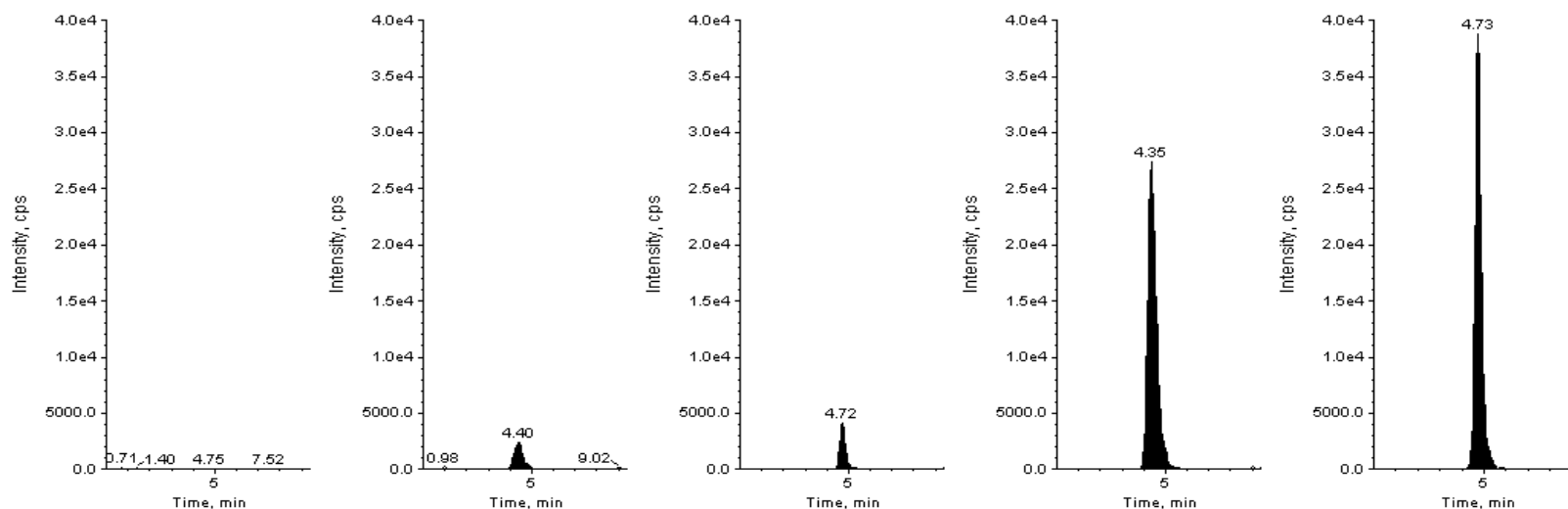


Figure: Second MRM of Quinmerac: 222 amu $\rightarrow$ 141 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

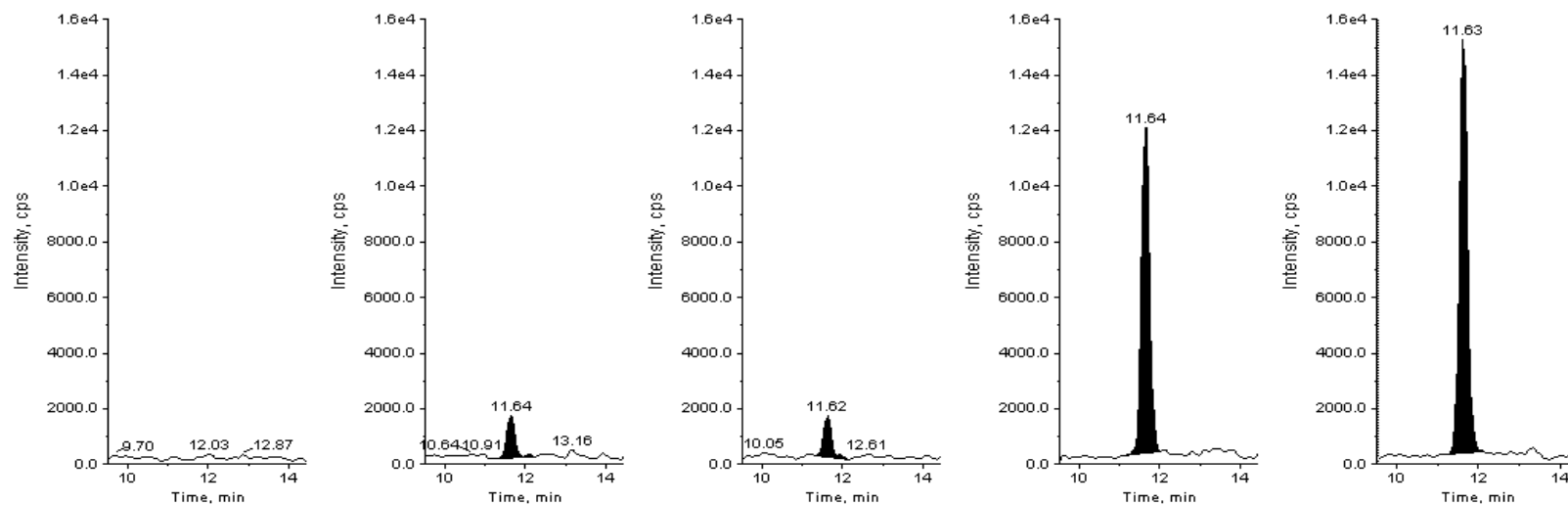


Figure: First MRM of Quinoclamine: 208 amu $\rightarrow$ 77 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

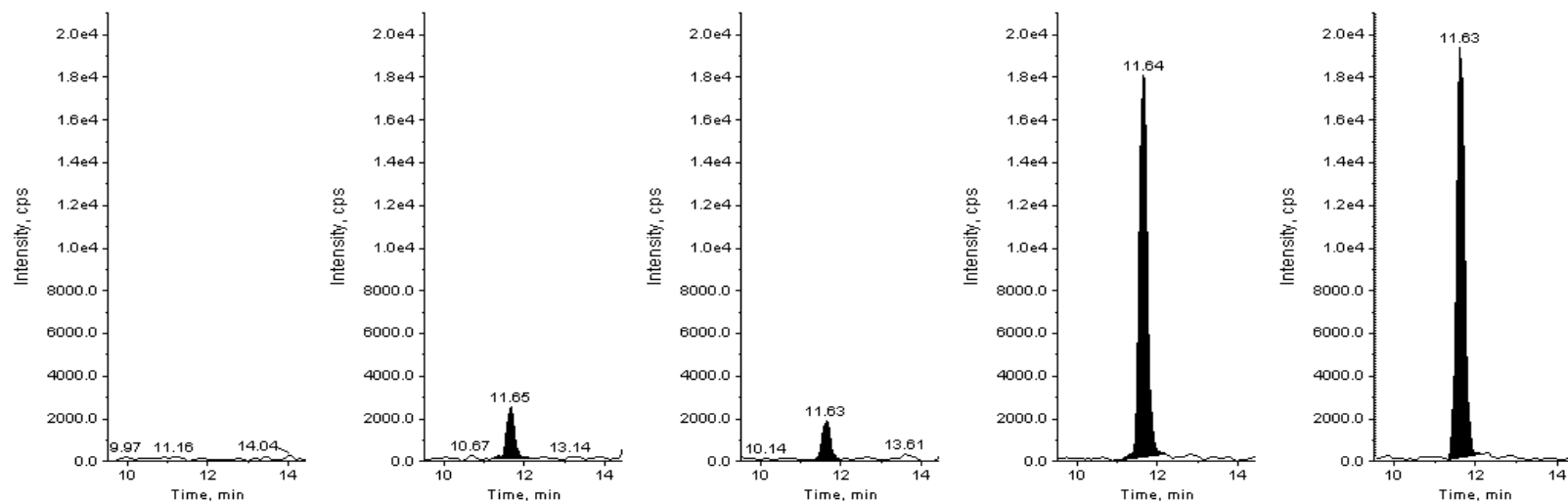


Figure: Second MRM of Quinoclamine: 208 amu $\rightarrow$ 105 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

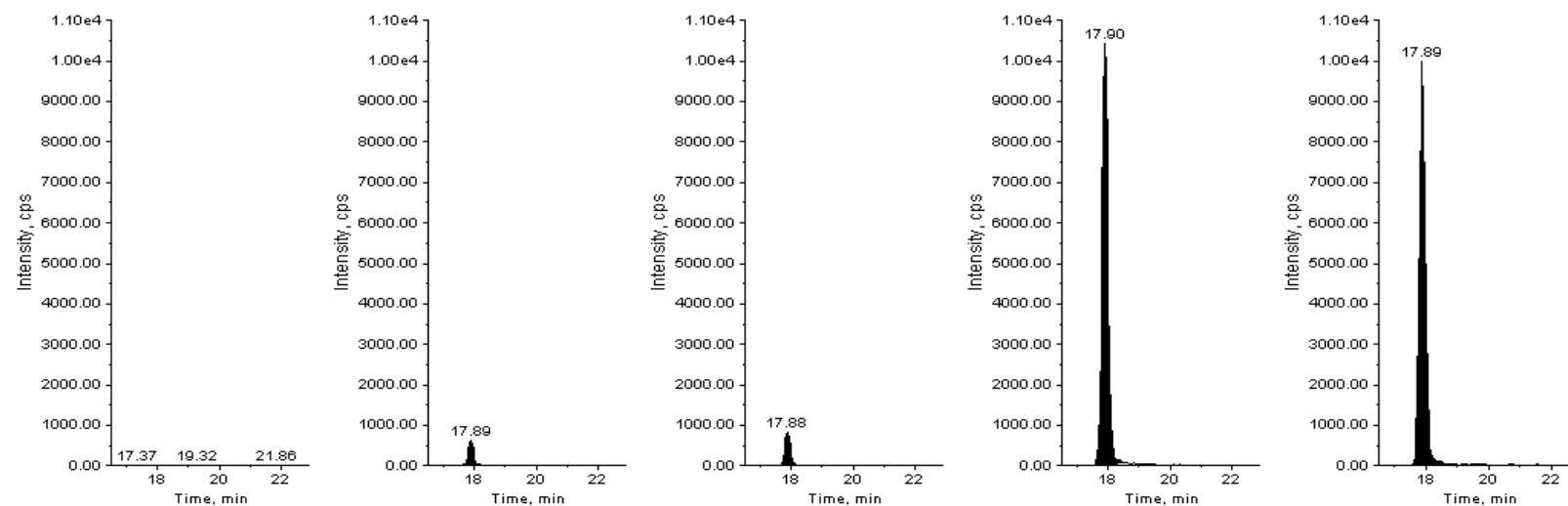


Figure: First MRM of Quinoxifen: 308 amu → 162 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

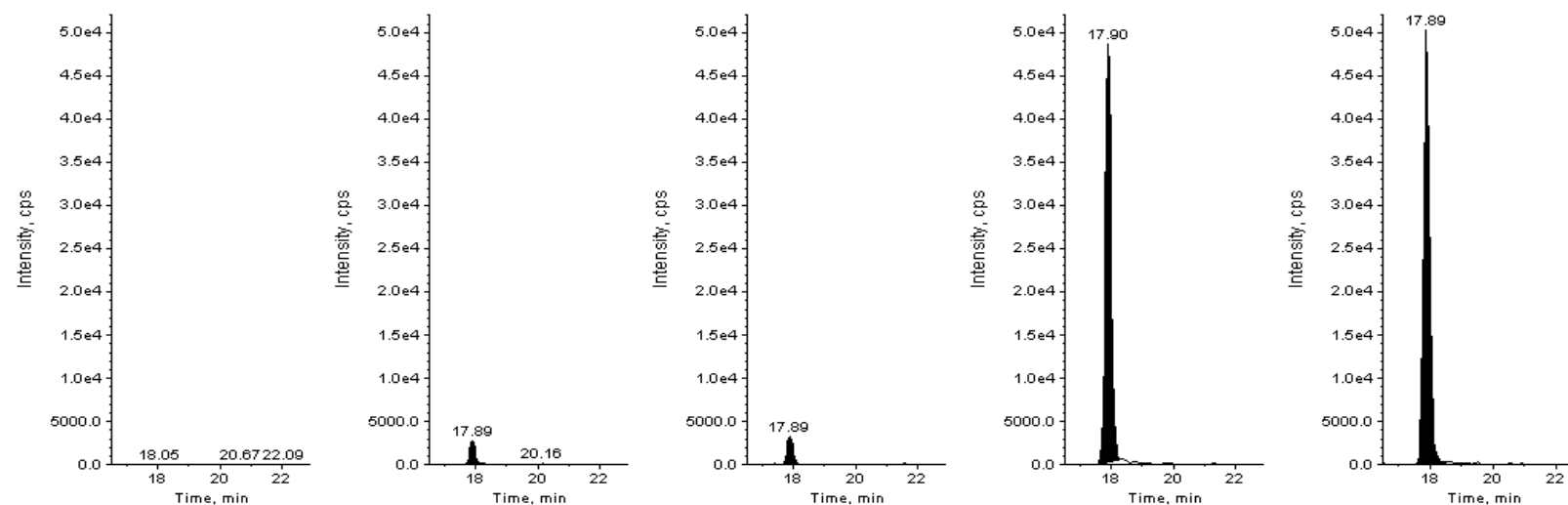


Figure: Second MRM of Quinoxifen: 308 amu → 197 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

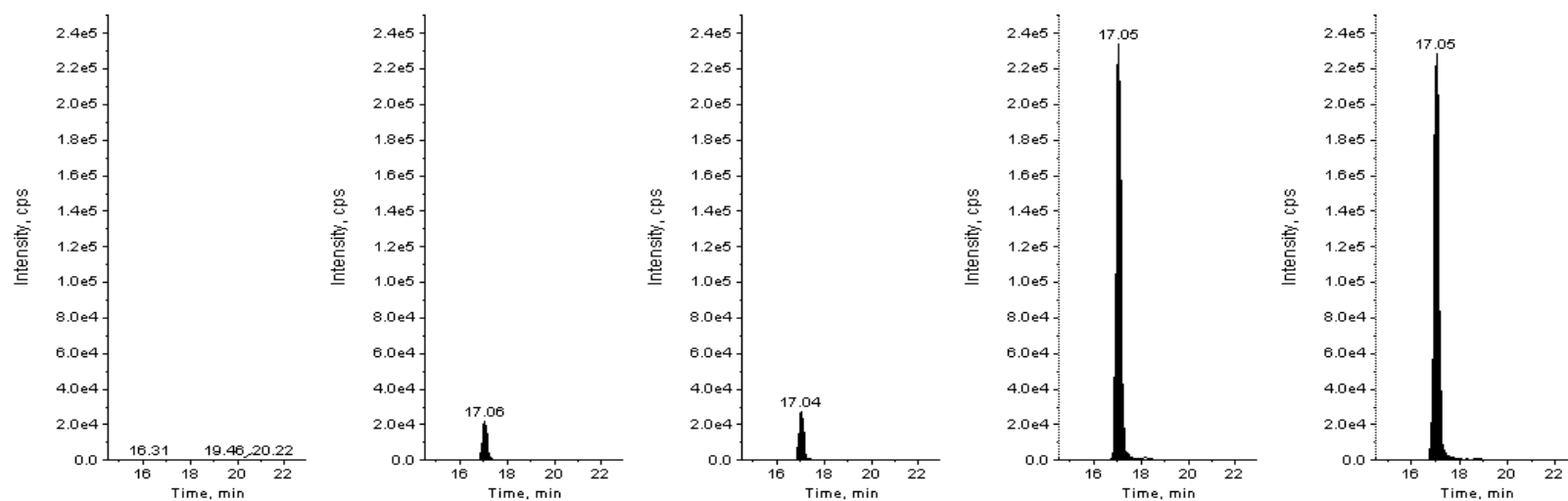


Figure: First MRM of Quizalofop-ethyl: 373 amu → 299 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

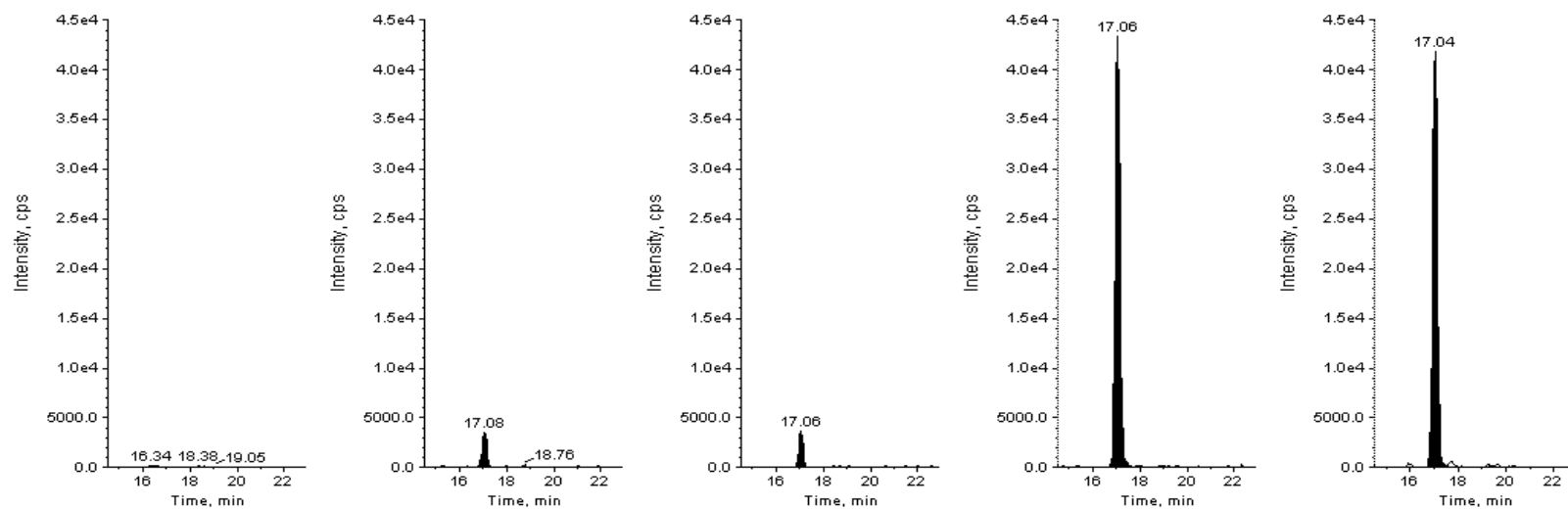


Figure: Second MRM of Quizalofop-ethyl: 373 amu → 271 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

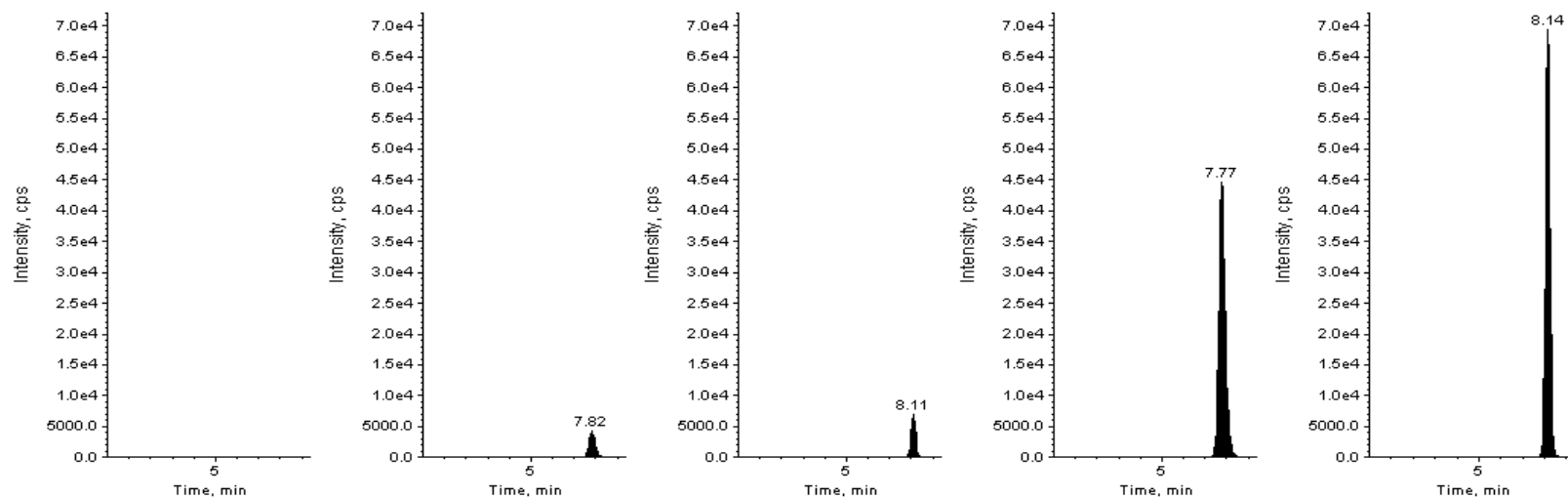


Figure: First MRM of Rimsulfuron: 432 amu $\rightarrow$ 182 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

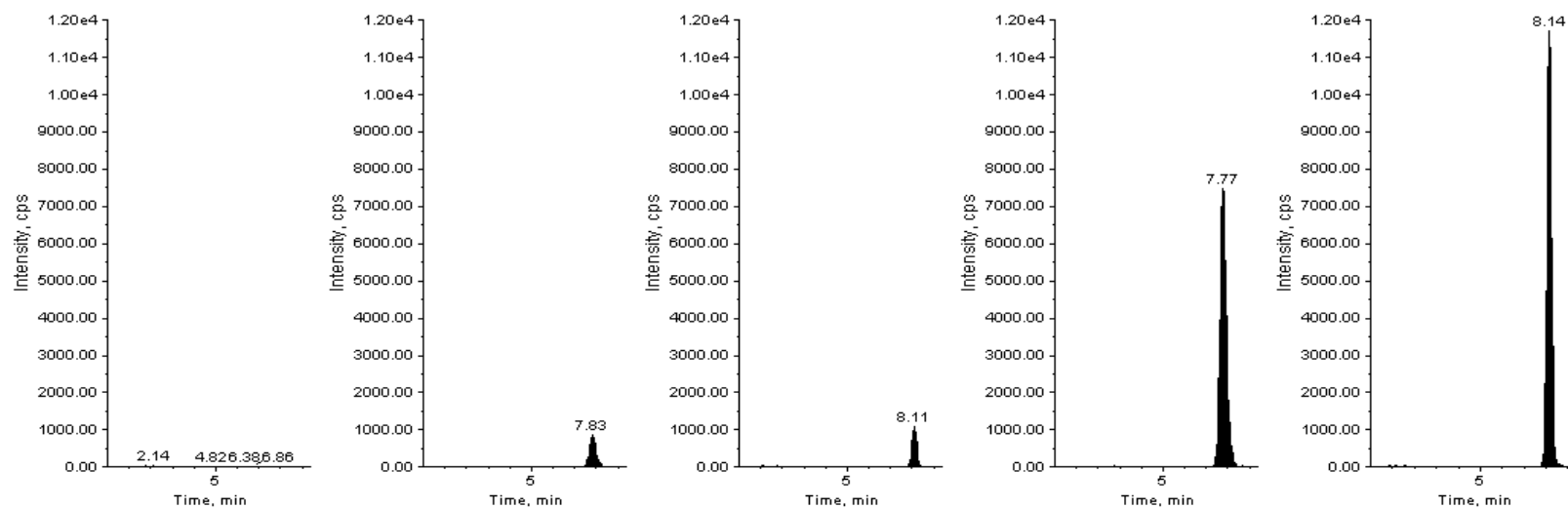


Figure: Second MRM of Rimsulfuron: 432 amu $\rightarrow$ 325 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

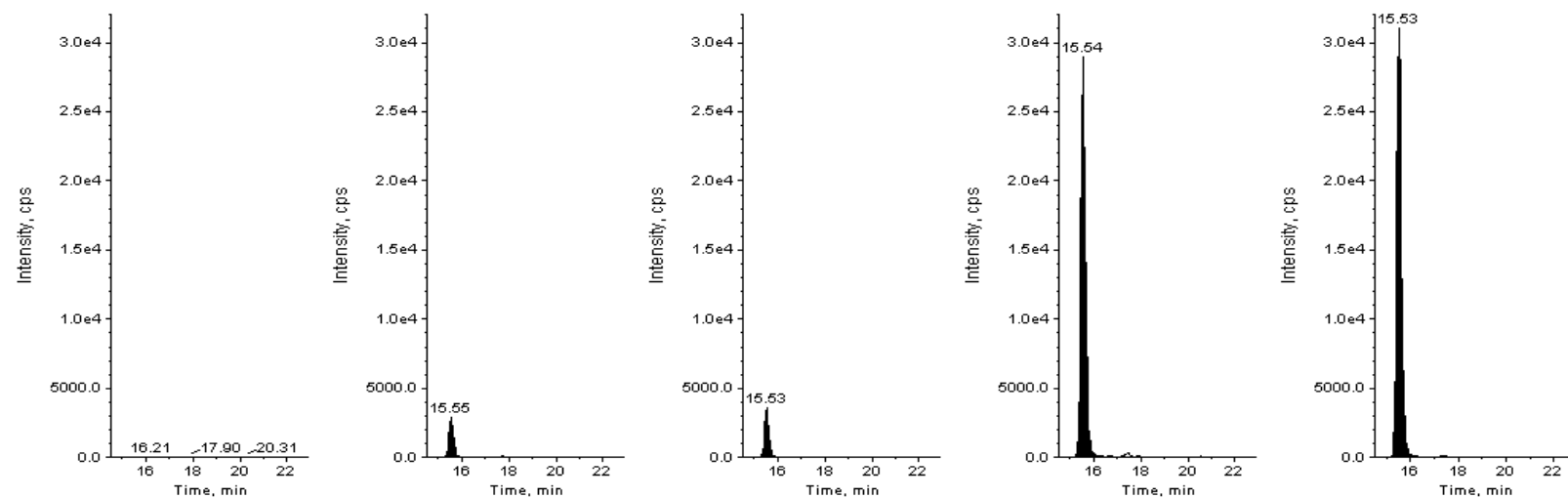


Figure: First MRM of Rotenone: 395 amu $\rightarrow$ 213 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

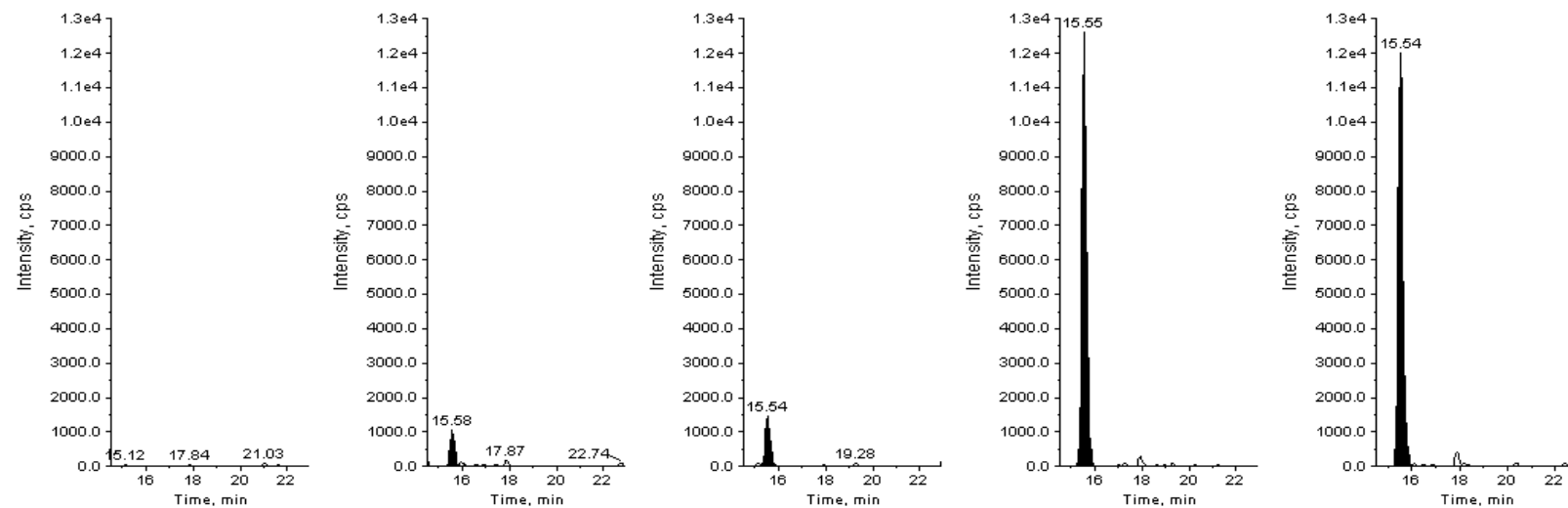


Figure: Second MRM of Rotenone: 395 amu $\rightarrow$ 192 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

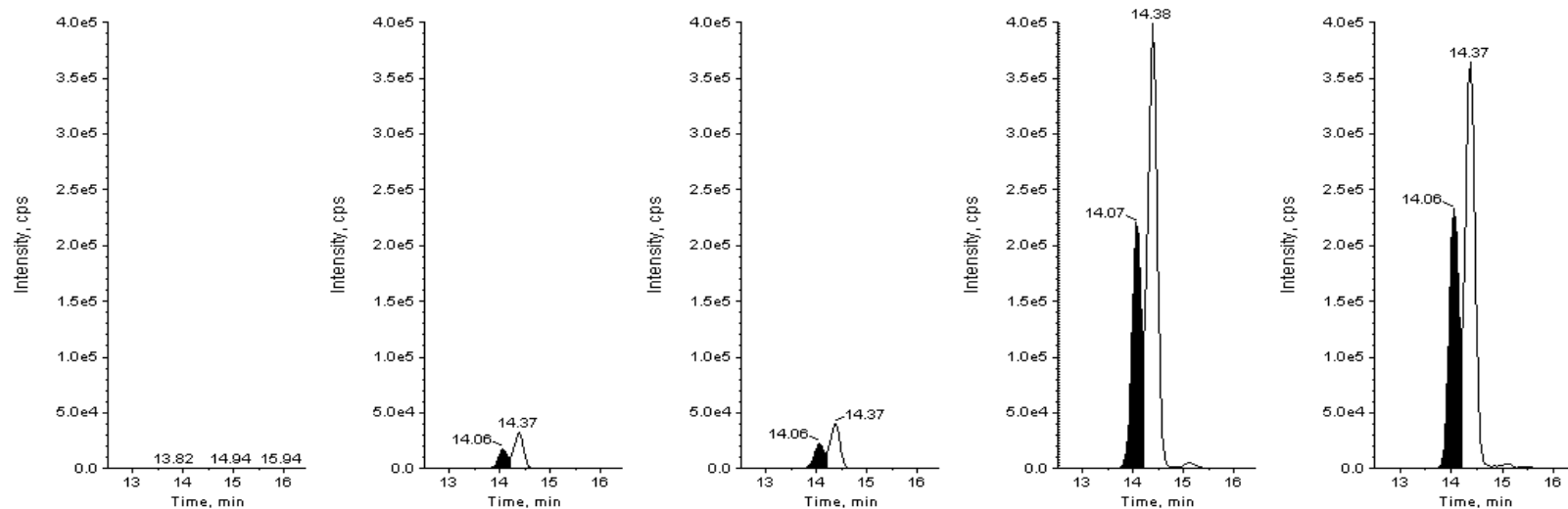


Figure: First MRM of Sebuthylazine: 230 amu → 174 amu
(Control sample, standard 0.1µg/L, spiked sample 0.1µg/L, standard 1.0µg/L, spiked sample 1.0µg/L, from left to right)

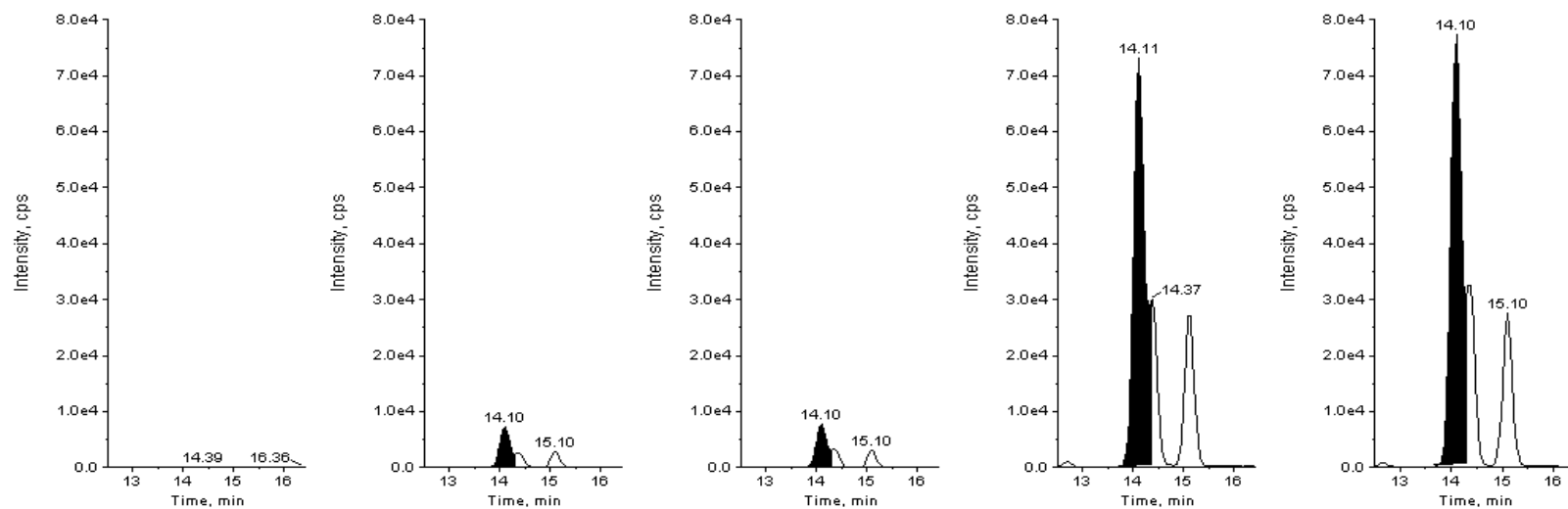


Figure: Second MRM of Sebuthylazine: 230 amu → 104 amu
(Control sample, standard 0.1µg/L, spiked sample 0.1µg/L, standard 1.0µg/L, spiked sample 1.0µg/L, from left to right)

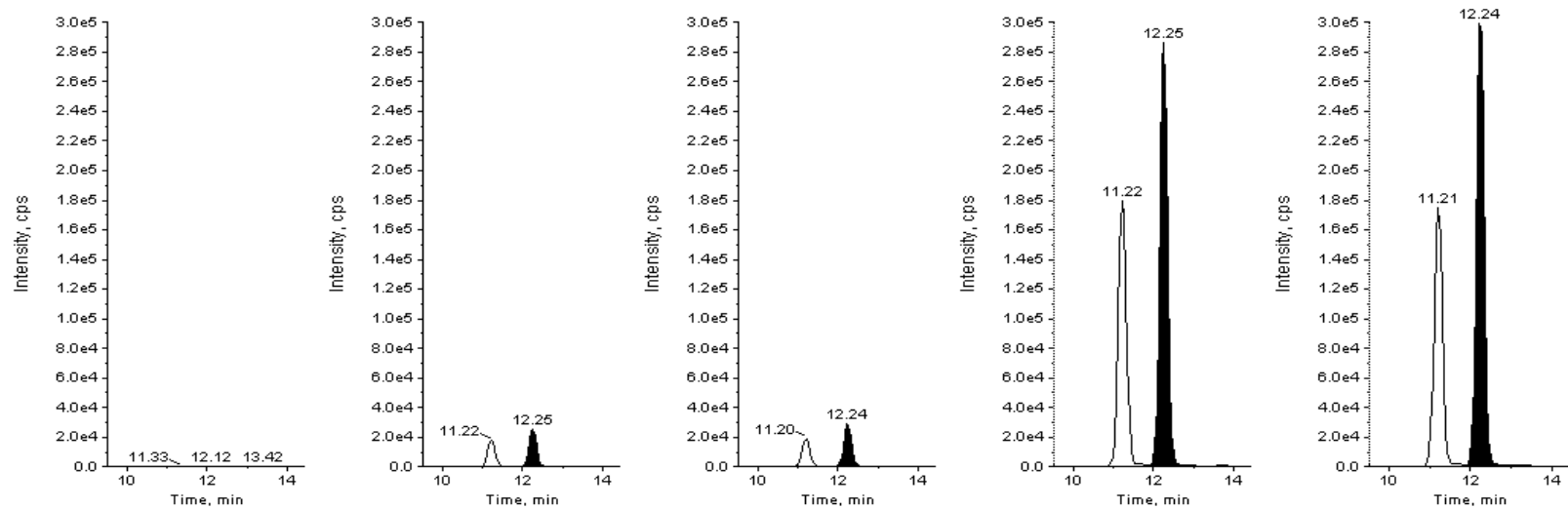


Figure: First MRM of Sebuthylazine-desethyl: 202 amu → 146 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

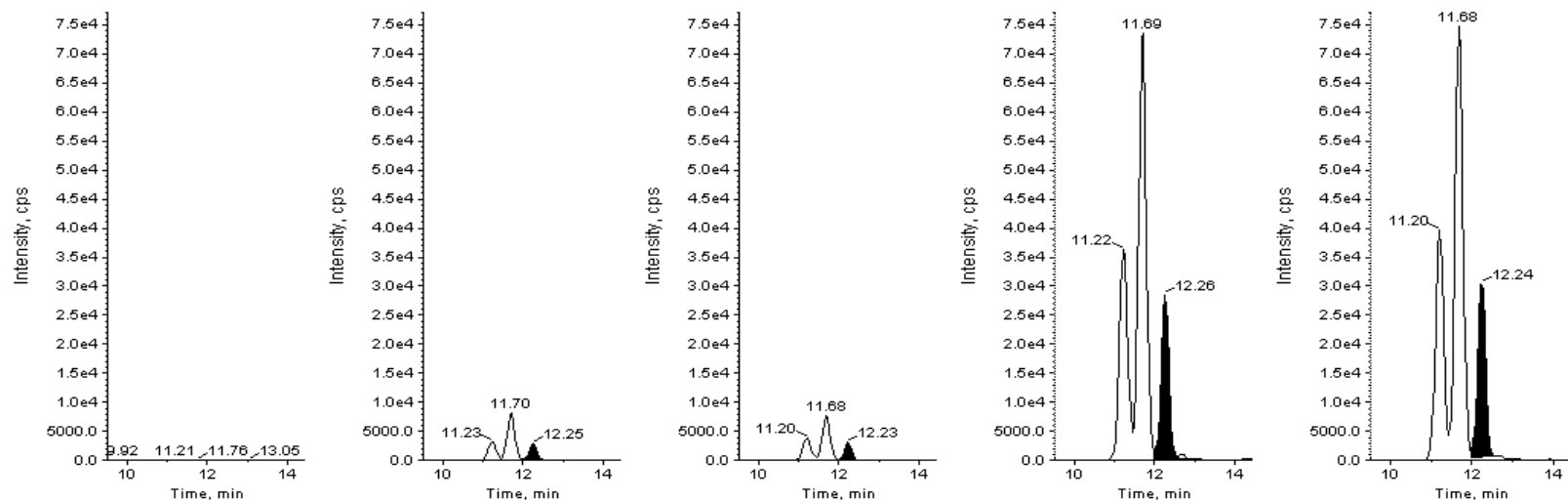


Figure: Second MRM of Sebuthylazine-desethyl: 202 amu → 104 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

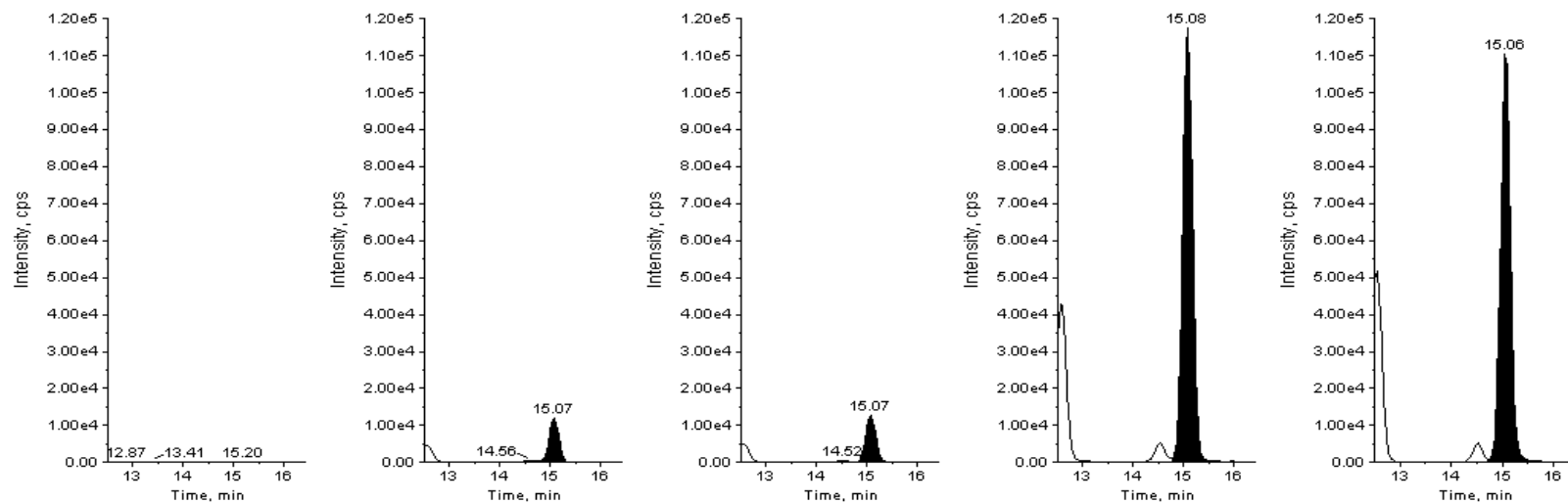


Figure: First MRM of Sethoxydim: 328 amu → 282 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

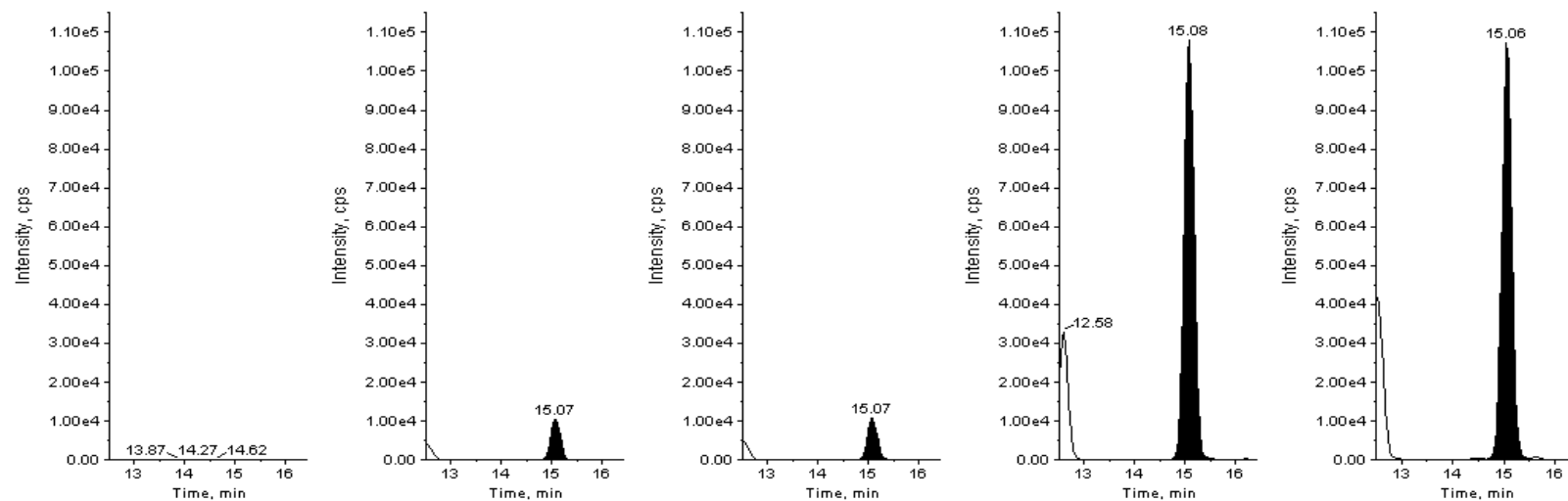


Figure: Second MRM of Sethoxydim: 328 amu → 178 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

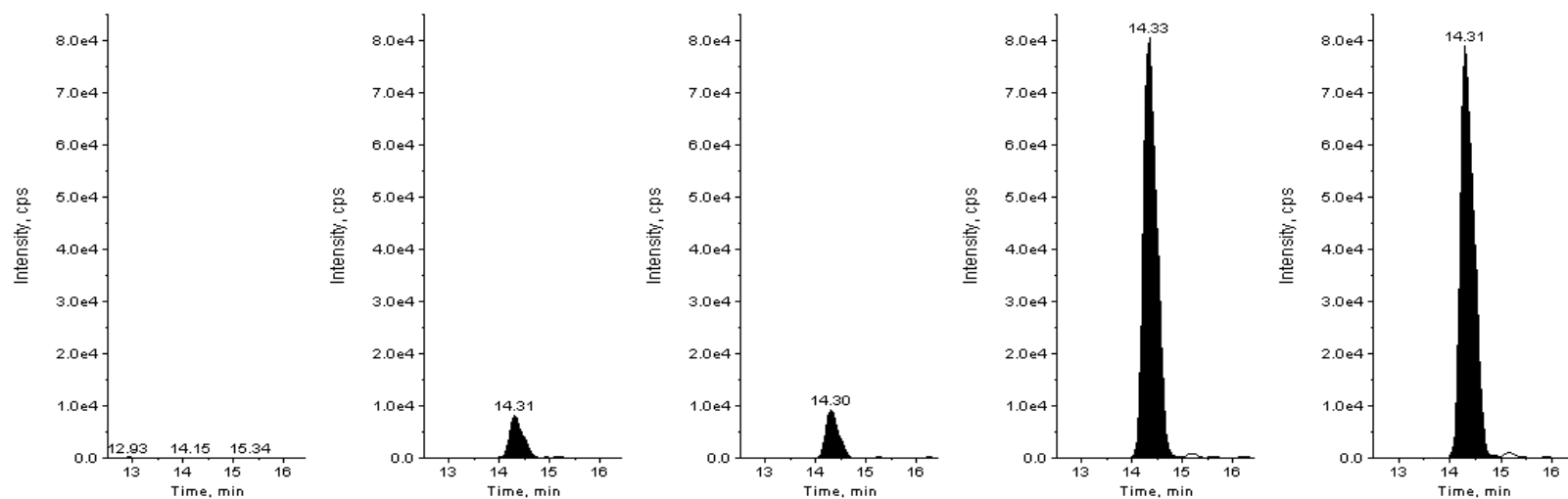


Figure: First MRM of Siduron: 233 amu → 137 amu
(Control sample, standard 0.1µg/L, spiked sample 0.1µg/L, standard 1.0µg/L, spiked sample 1.0µg/L, from left to right)

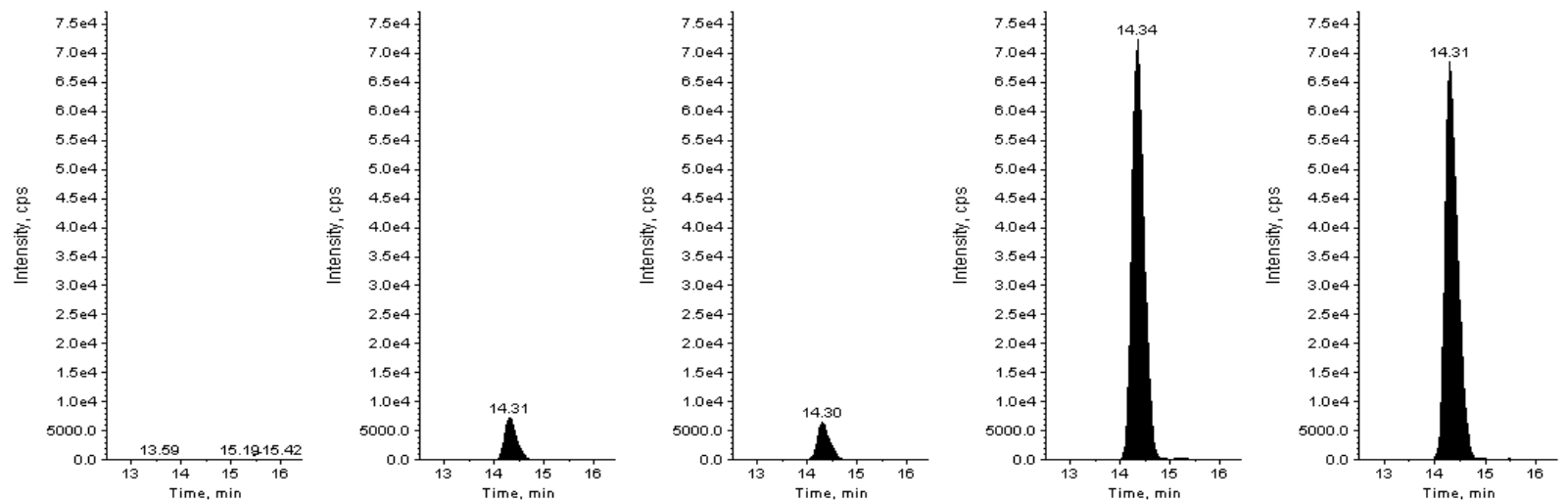


Figure: Second MRM of Siduron: 233 amu → 94 amu
(Control sample, standard 0.1µg/L, spiked sample 0.1µg/L, standard 1.0µg/L, spiked sample 1.0µg/L, from left to right)

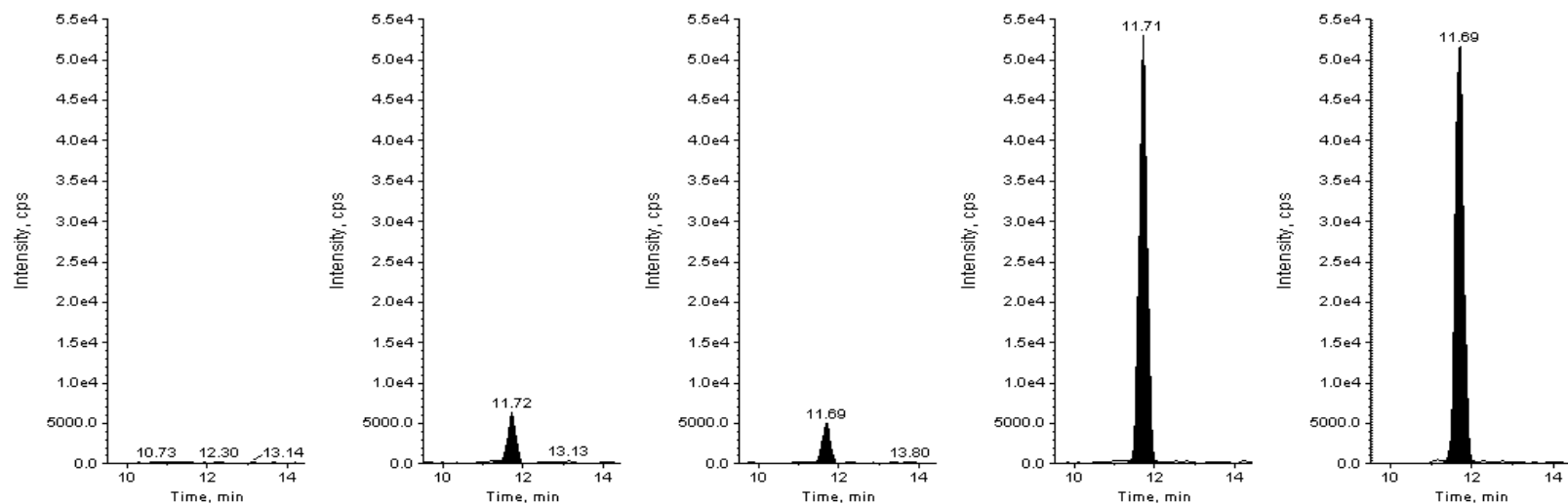


Figure: First MRM of Simazine: 202 amu → 124 amu
(Control sample, standard 0.1µg/L, spiked sample 0.1µg/L, standard 1.0µg/L, spiked sample 1.0µg/L, from left to right)

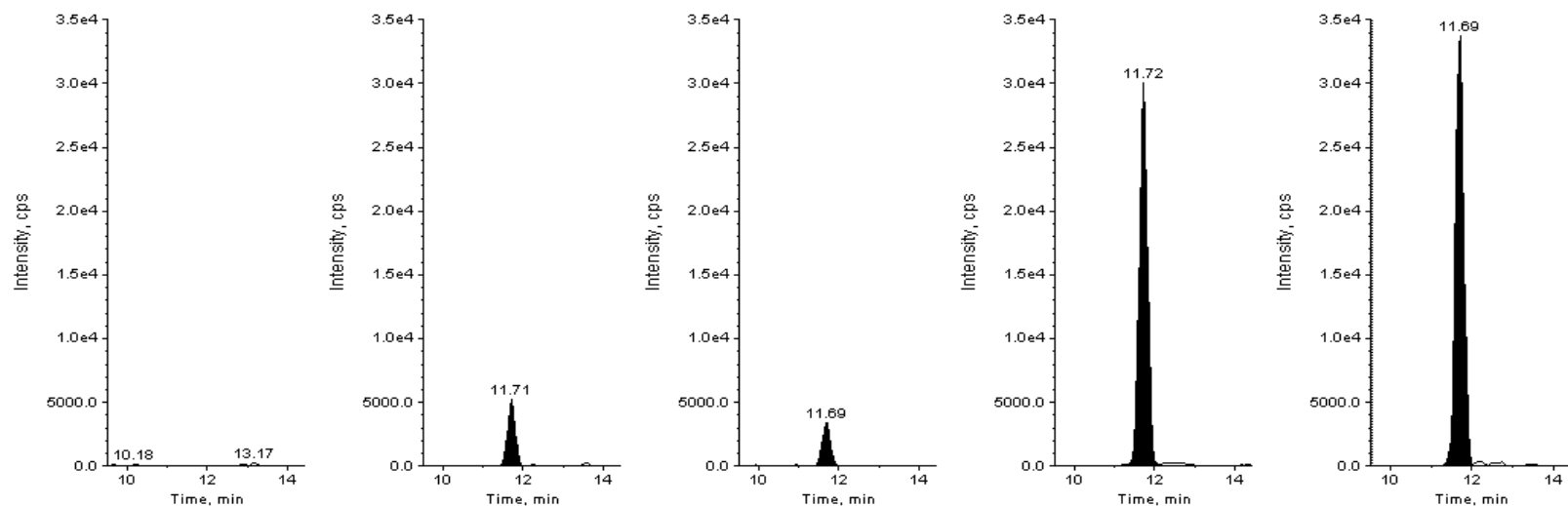


Figure: Second MRM of Simazine: 202 amu → 132 amu
(Control sample, standard 0.1µg/L, spiked sample 0.1µg/L, standard 1.0µg/L, spiked sample 1.0µg/L, from left to right)

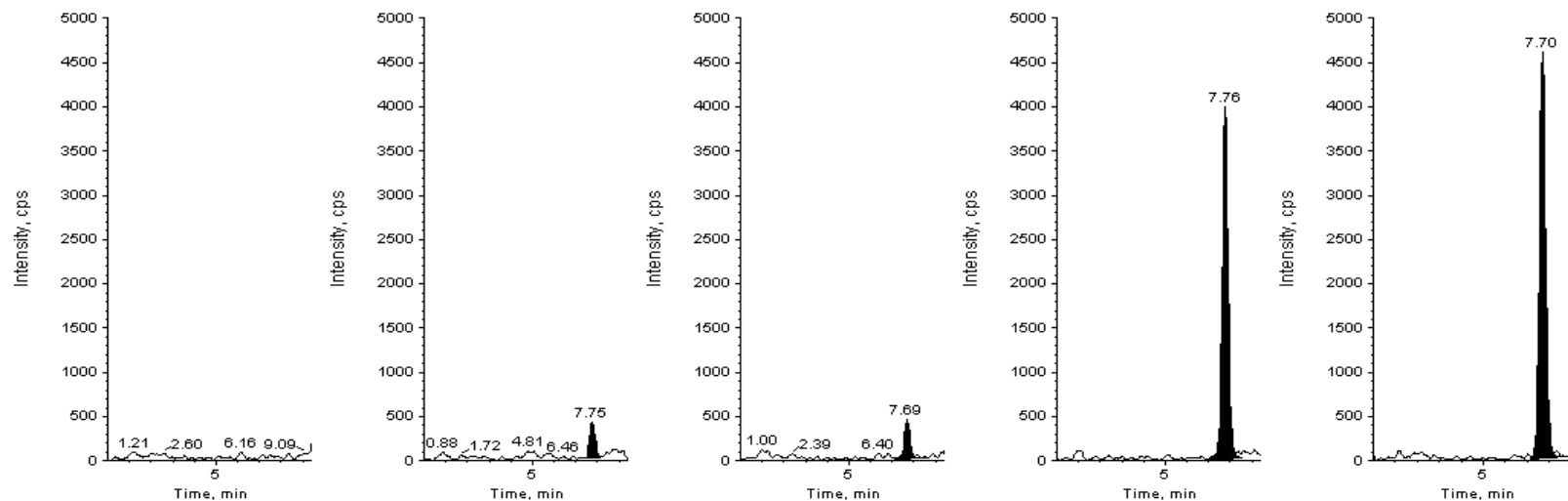


Figure: First MRM of Simazine-2-hydroxy: 184 amu → 69 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

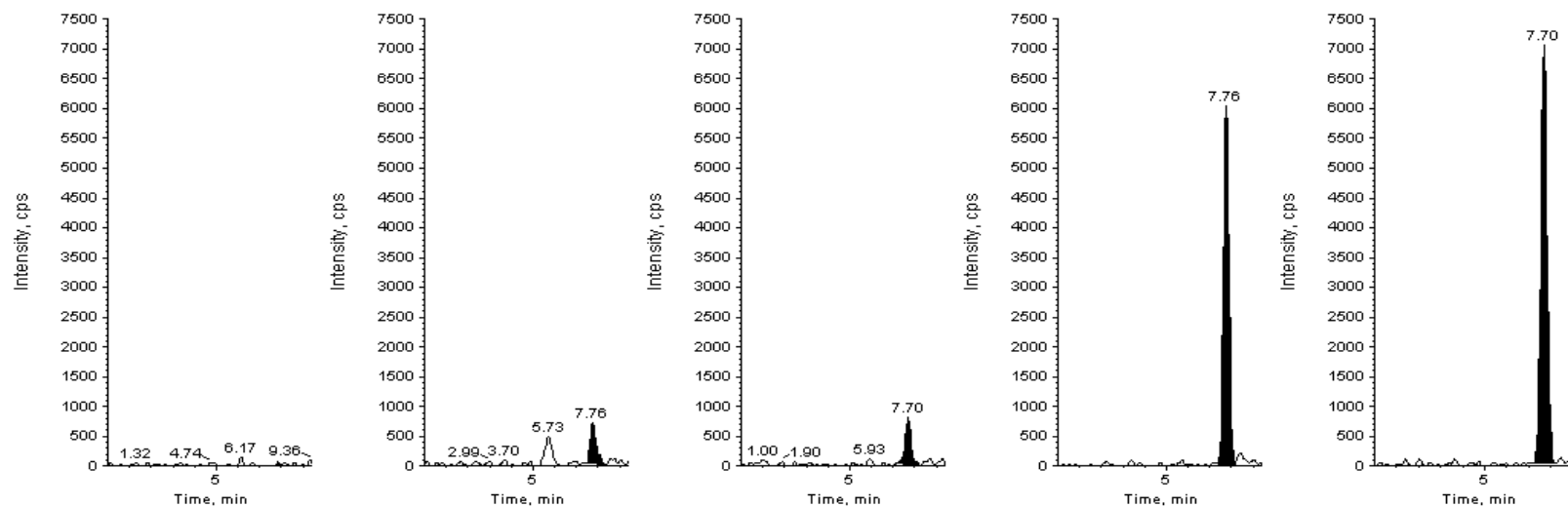


Figure: Second MRM of Simazine-2-hydroxy: 184 amu → 114 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

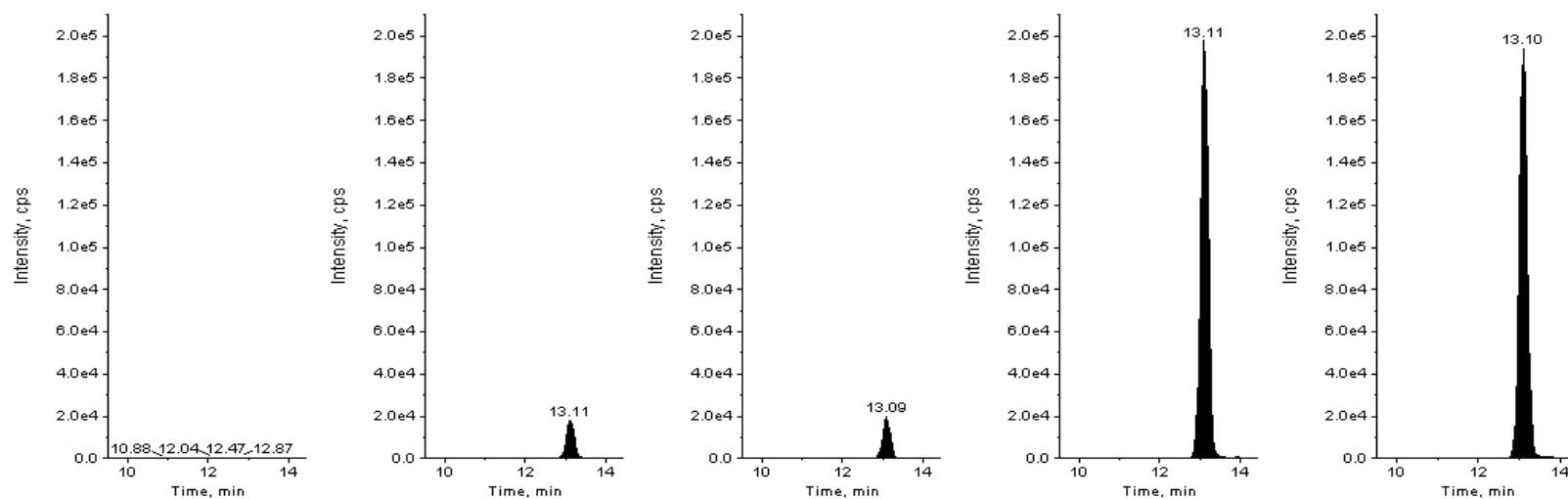


Figure: First MRM of Simetryn: 214 amu → 124 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

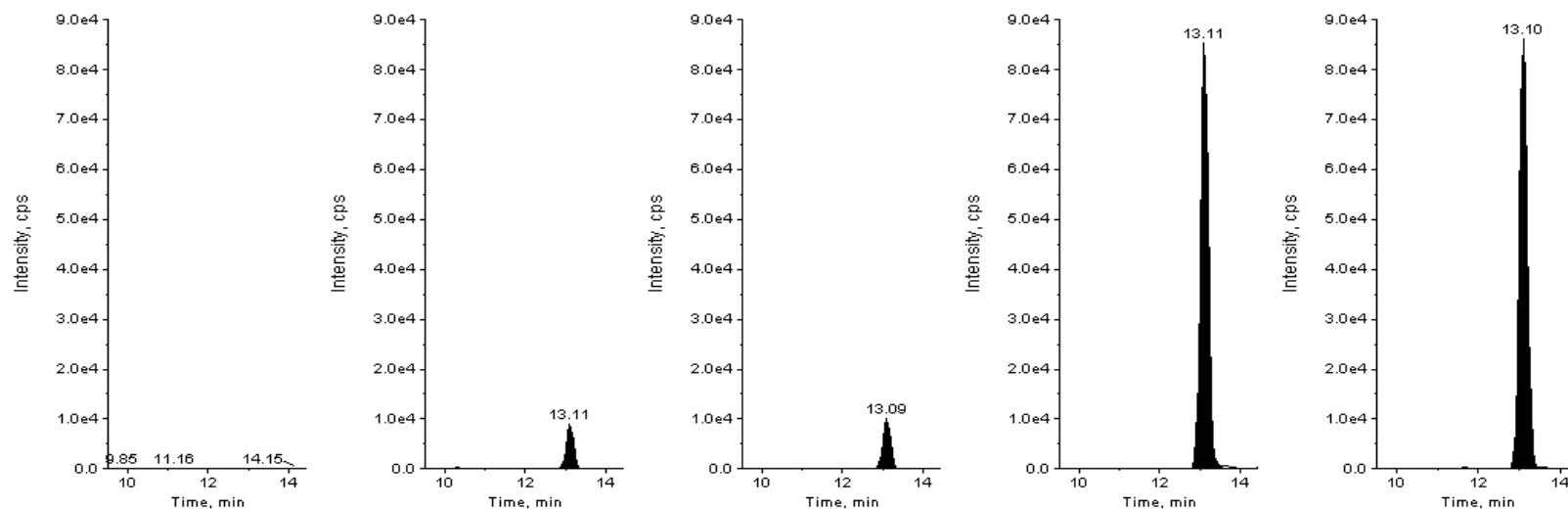


Figure: Second MRM of Simetryn: 214 amu → 144 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

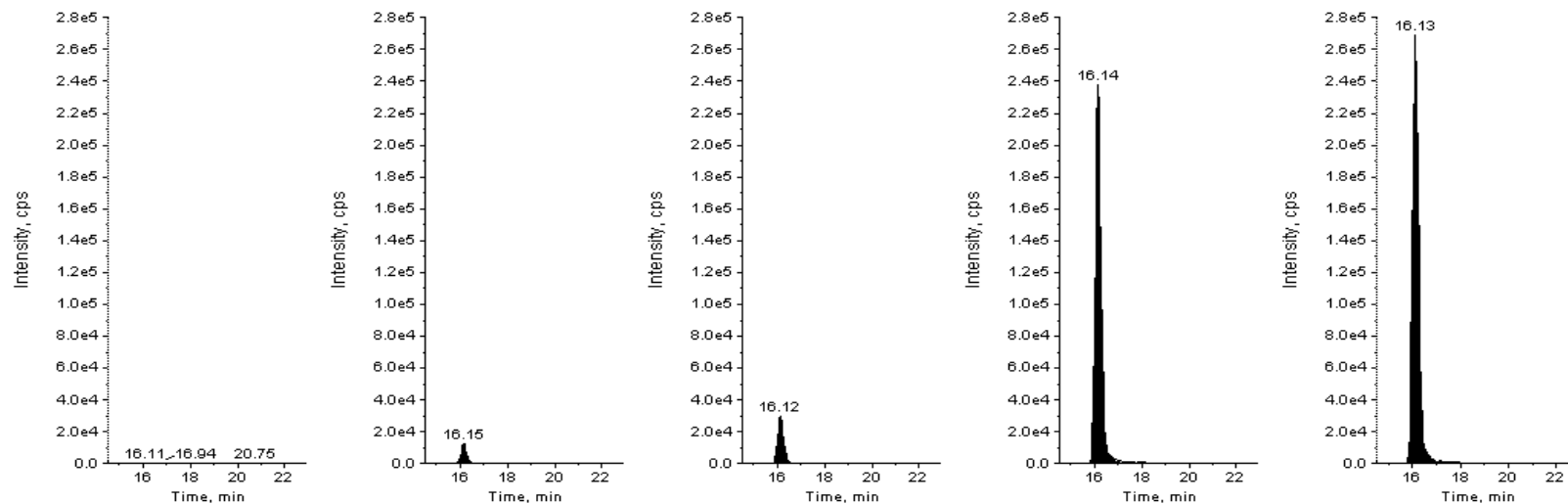


Figure: First MRM of Spiroxamine: 298 amu → 144 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

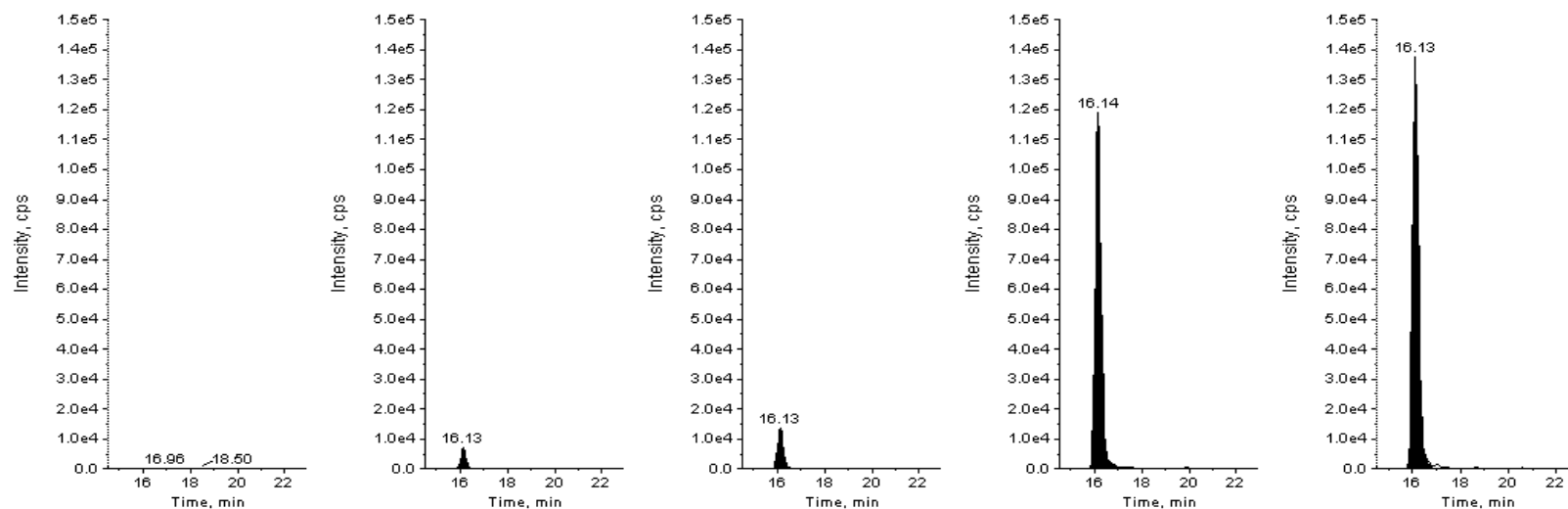


Figure: Second MRM of Spiroxamine: 298 amu → 100 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

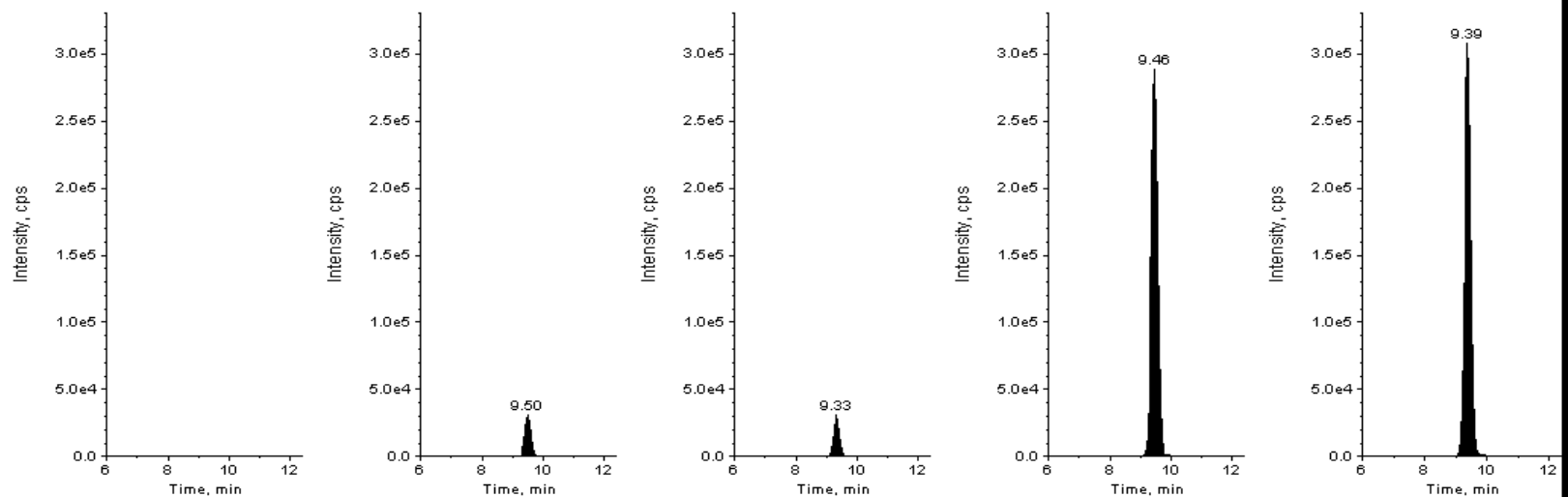


Figure: First MRM of Sulfometuron-methyl: 365 amu $\rightarrow$ 150 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

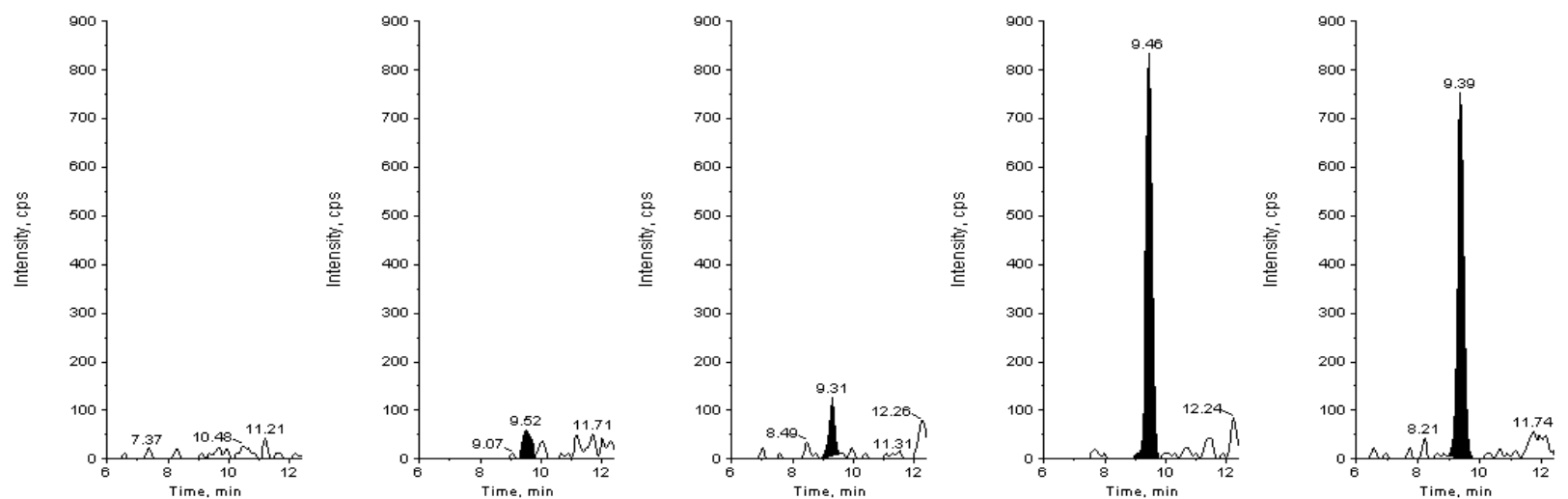


Figure: Second MRM of Sulfometuron-methyl: 365 amu $\rightarrow$ 107 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

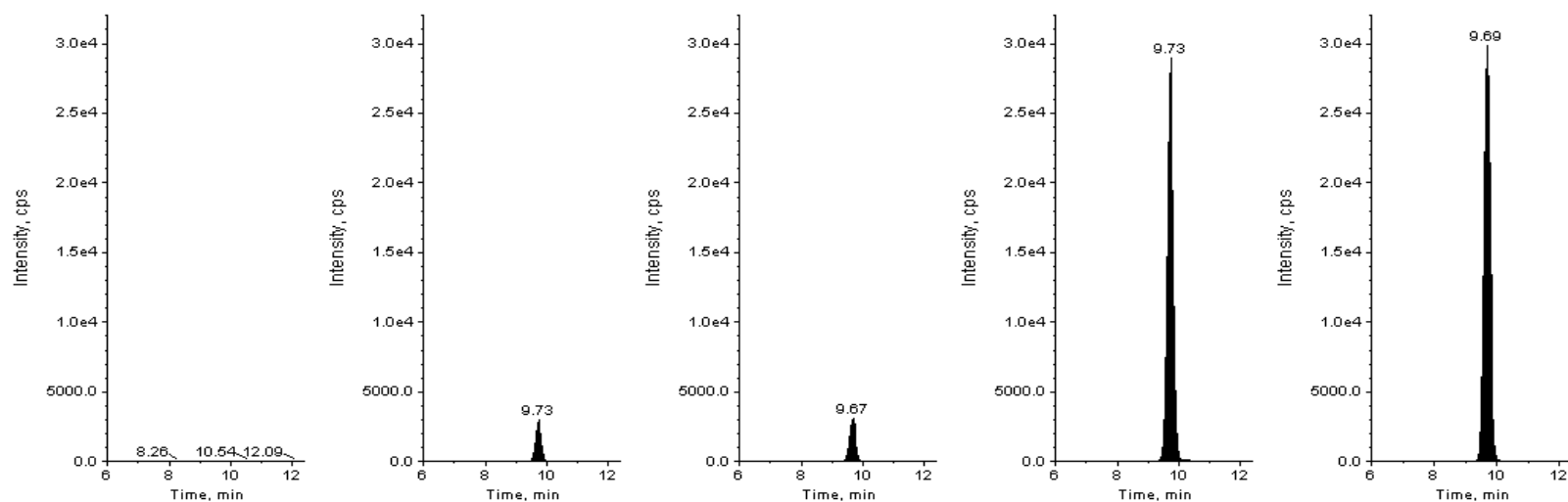


Figure: First MRM of Sulfosulfuron: 471 amu $\rightarrow$ 261 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

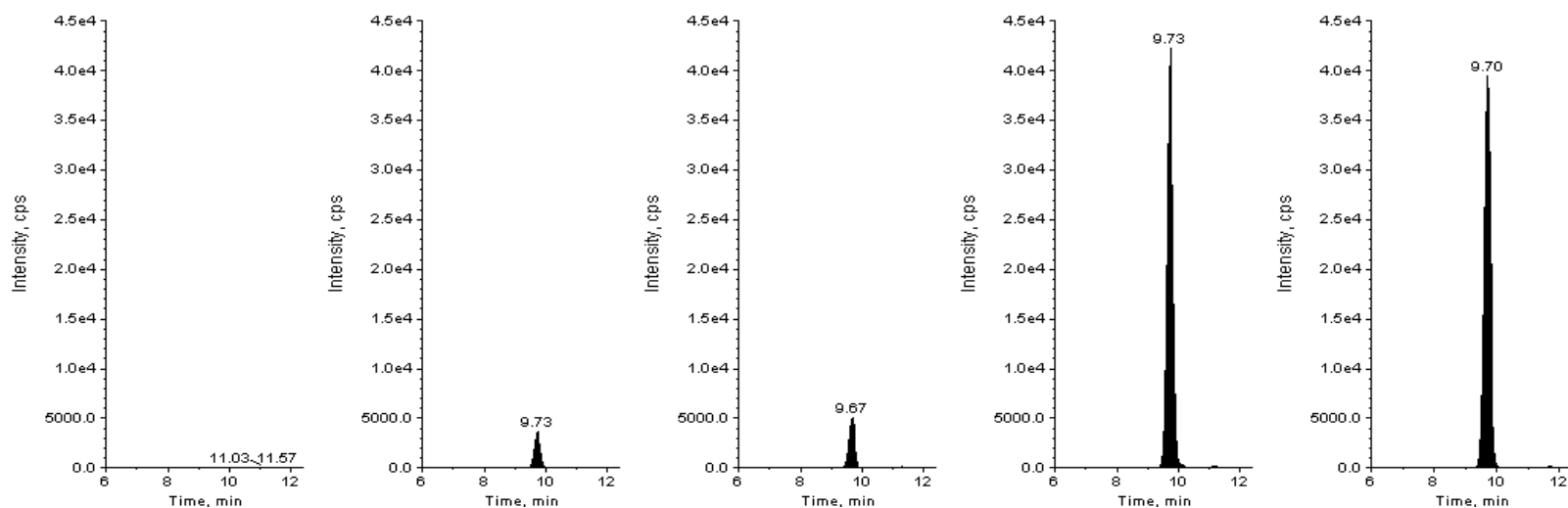


Figure: Second MRM of Sulfosulfuron: 471 amu $\rightarrow$ 211 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

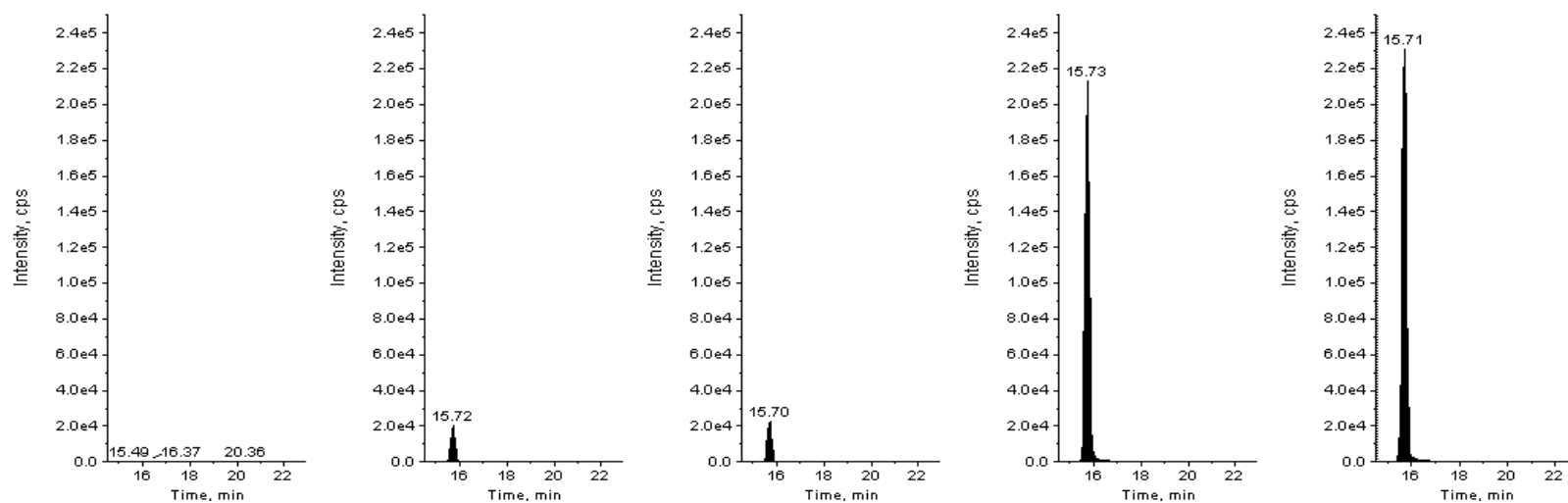


Figure: First MRM of Sulfotep: 323 amu $\rightarrow$ 115 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

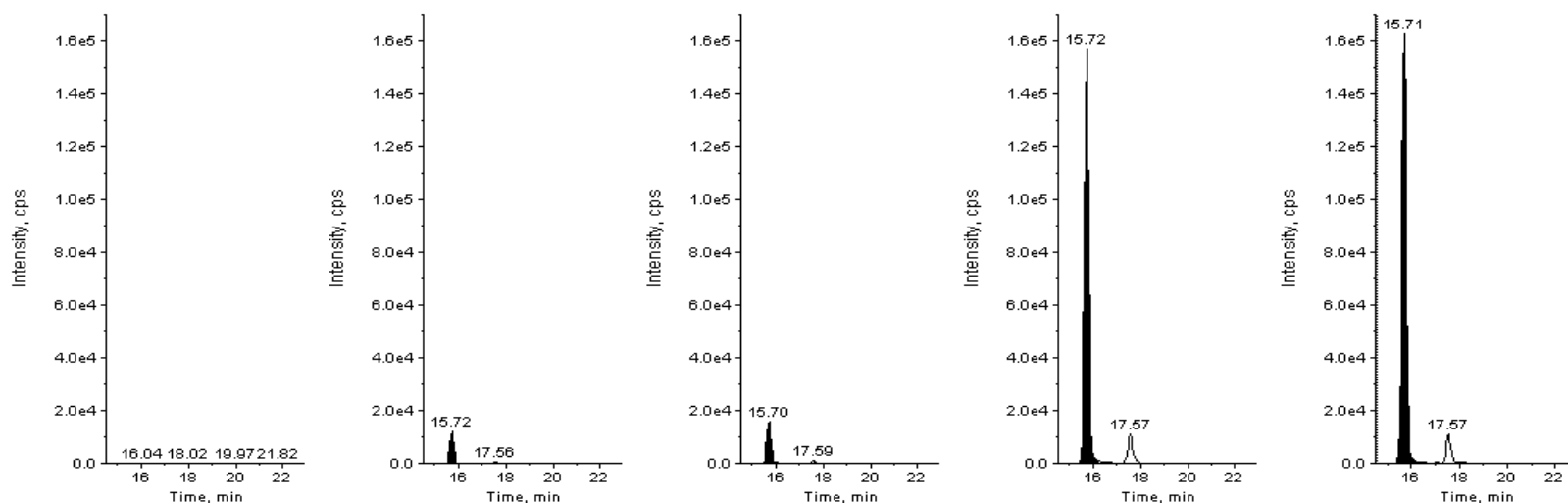


Figure: Second MRM of Sulfotep: 323 amu $\rightarrow$ 97 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

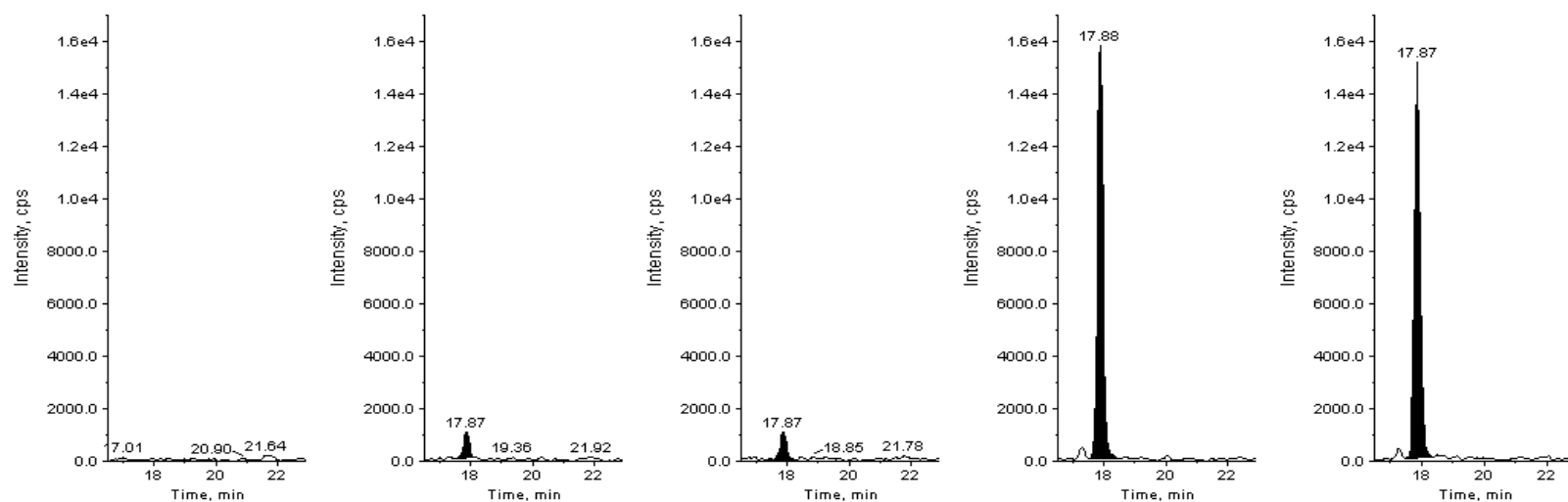


Figure: First MRM of Sulprofos: 323 amu $\rightarrow$ 247 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

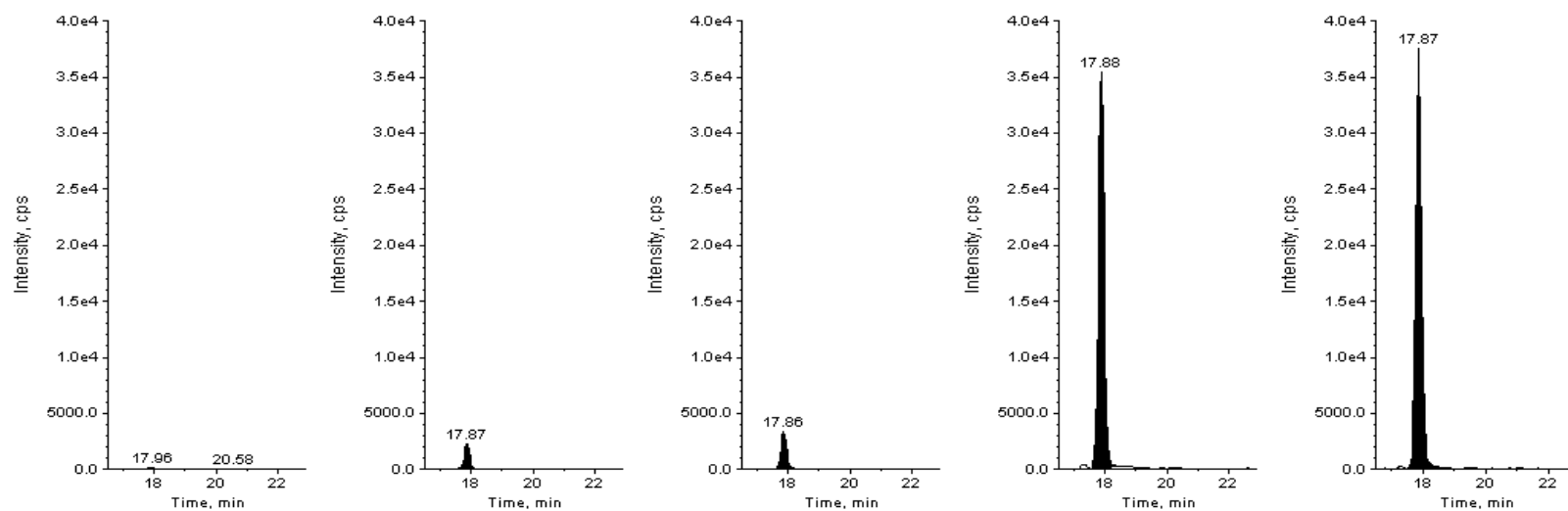


Figure: Second MRM of Sulprofos: 323 amu $\rightarrow$ 219 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

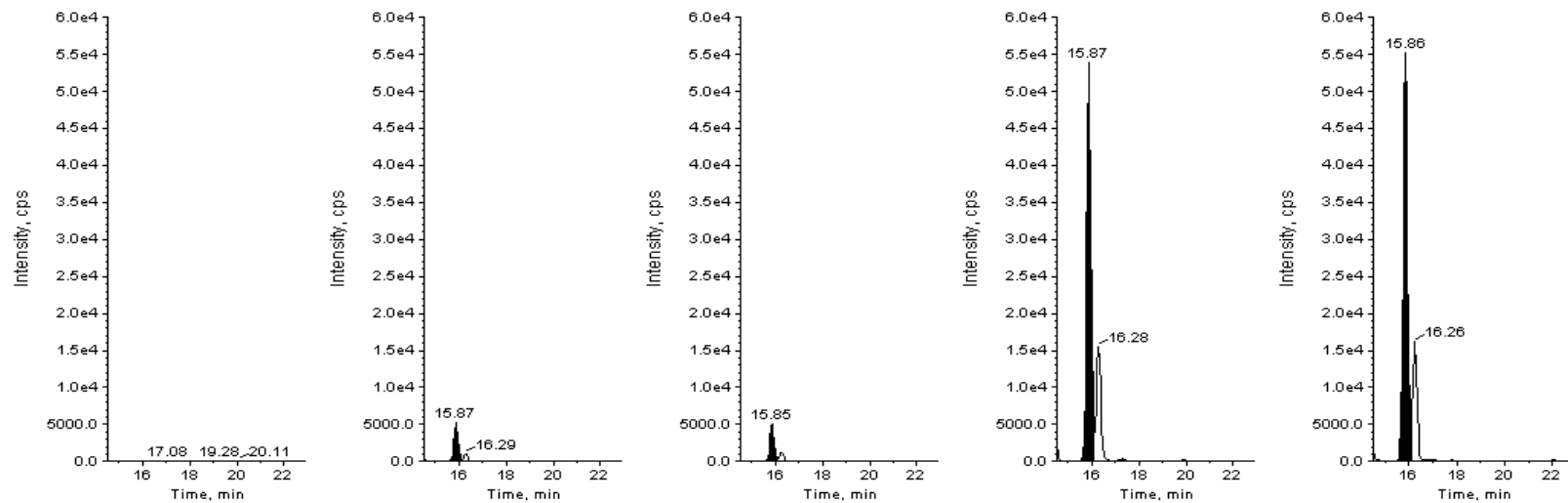


Figure: First MRM of Tebuconazole: 308 amu → 70 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

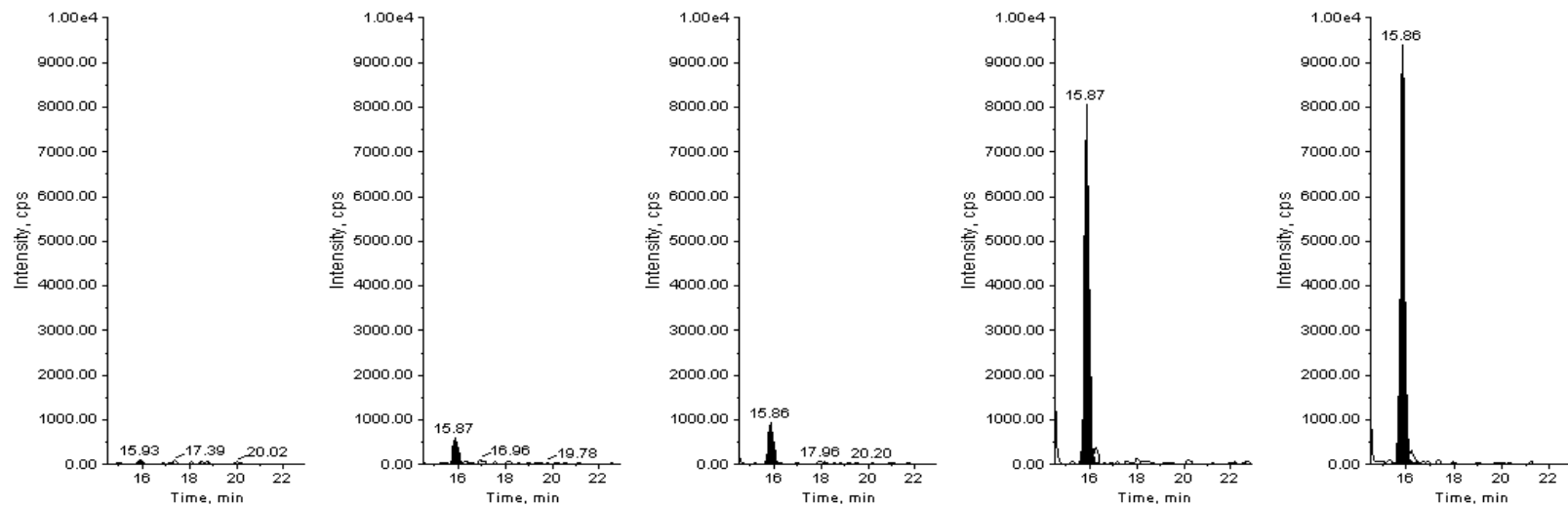


Figure: Second MRM of Tebuconazole: 308 amu → 125 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

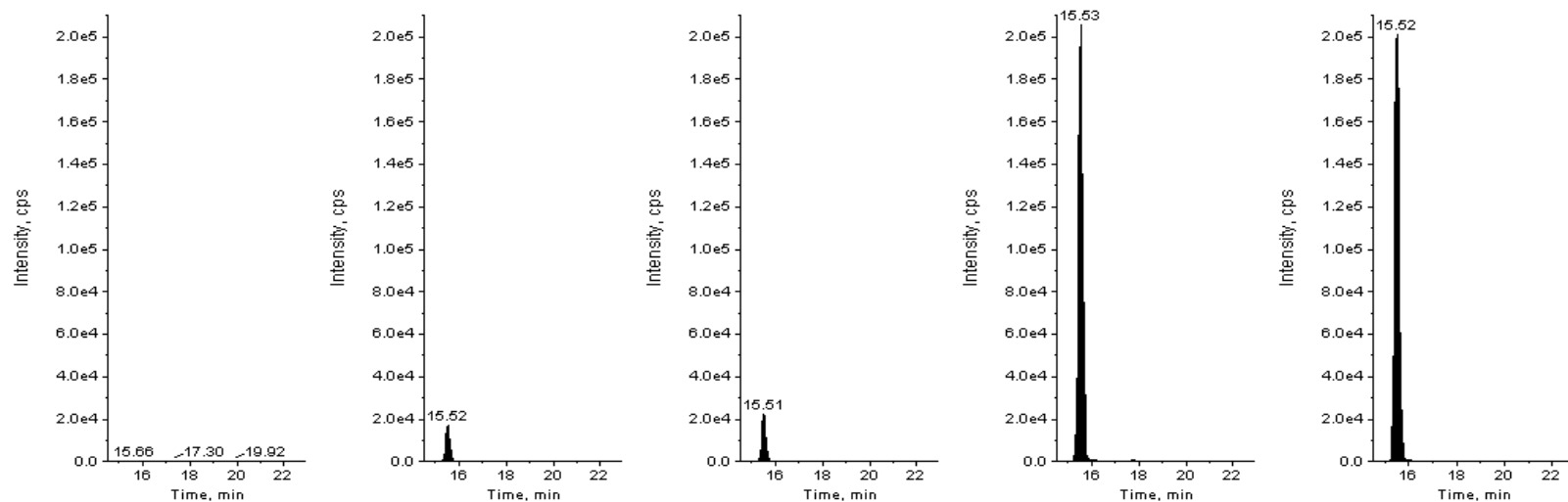


Figure: First MRM of Tebufenozid: 353 amu $\rightarrow$ 297 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

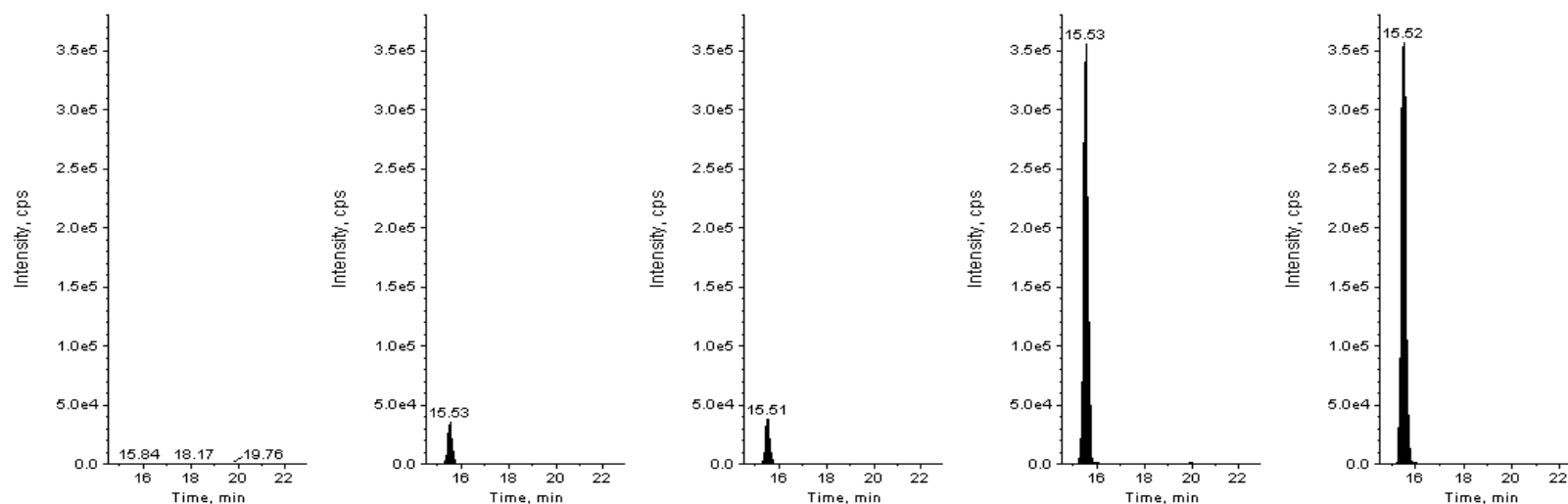


Figure: Second MRM of Tebufenozid: 353 amu $\rightarrow$ 133 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

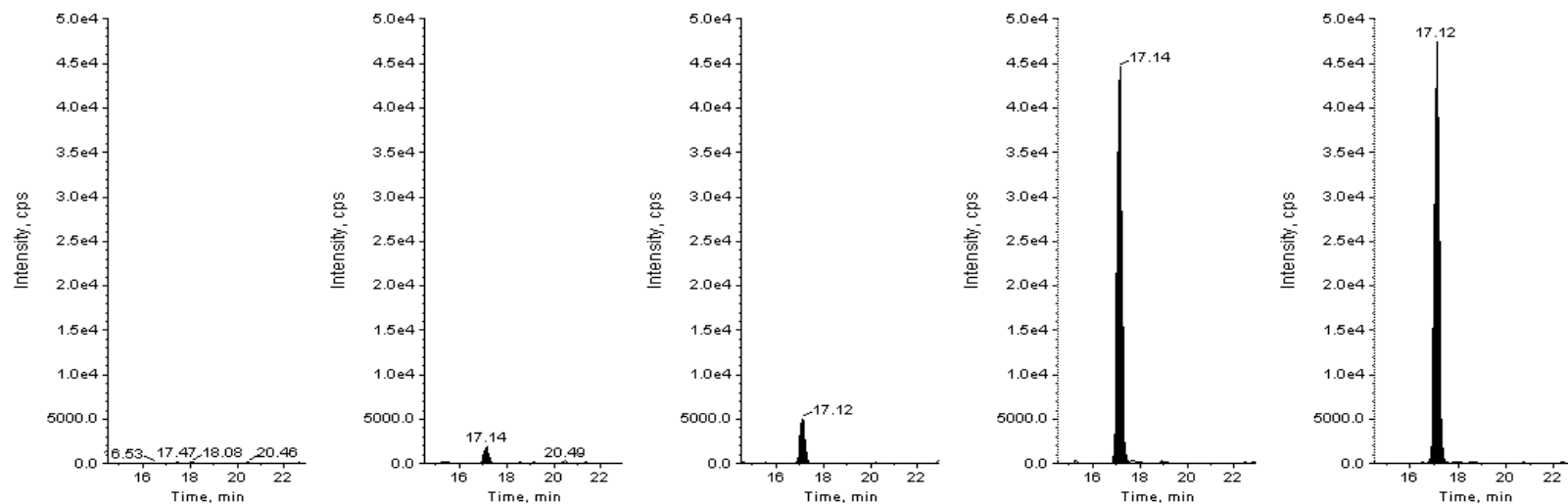


Figure: First MRM of Tebufenpyrad: 334 amu $\rightarrow$ 117 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

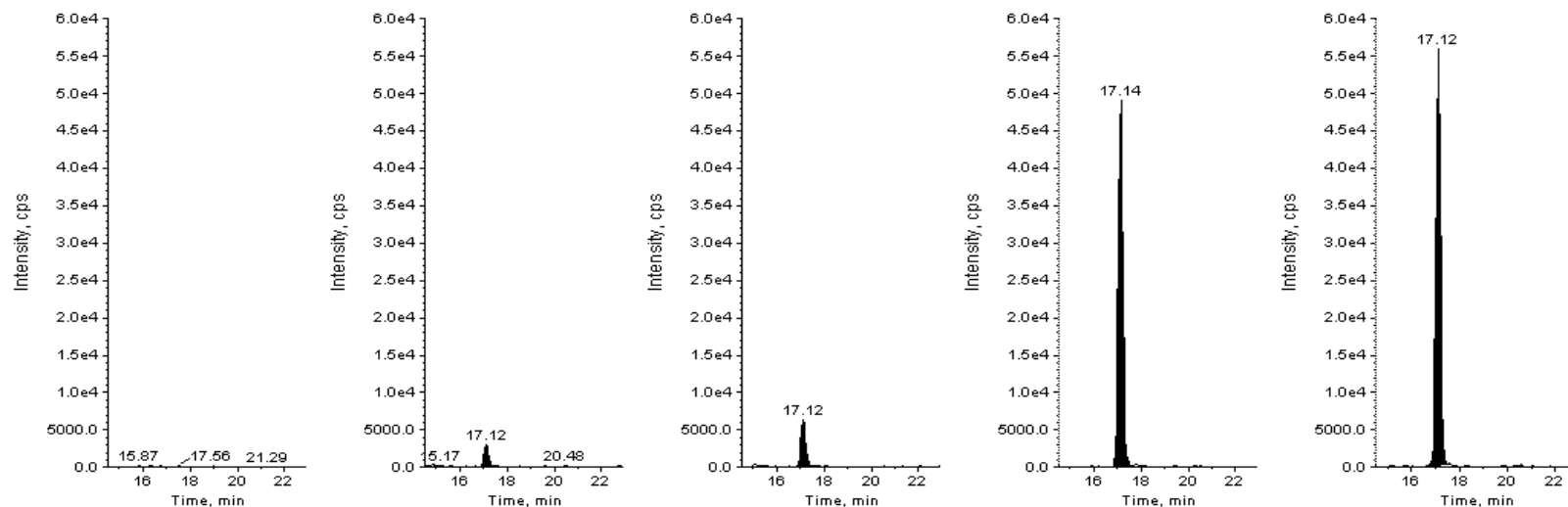


Figure: Second MRM of Tebufenpyrad: 334 amu $\rightarrow$ 145 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

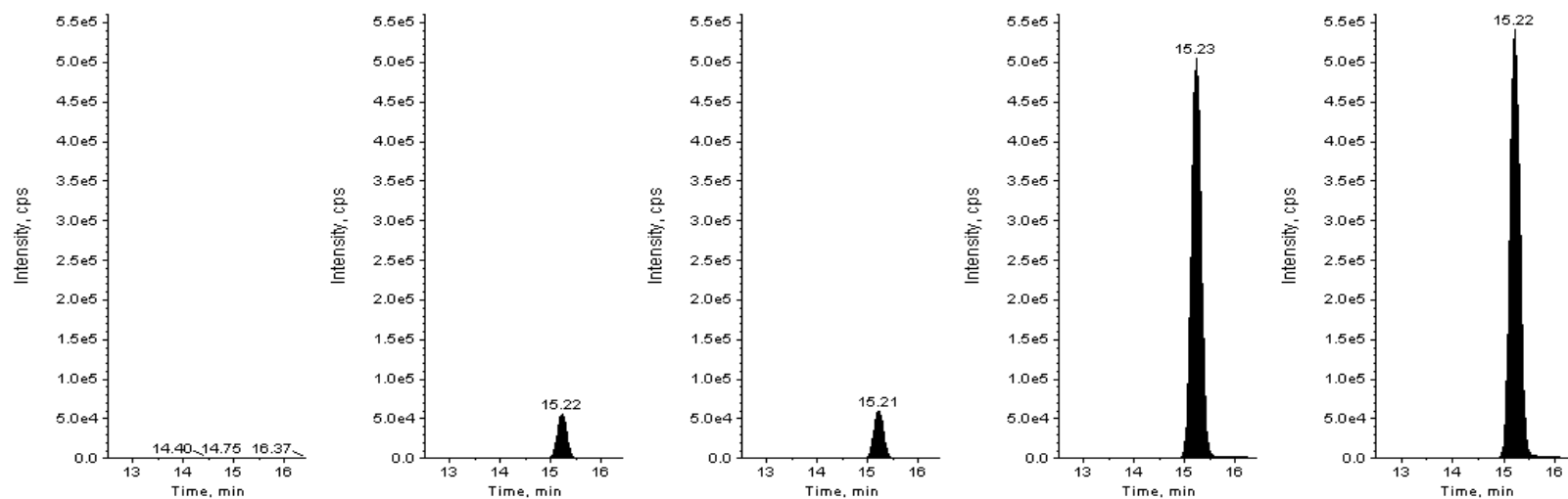


Figure: First MRM of Tebutam: 234 amu $\rightarrow$ 91 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

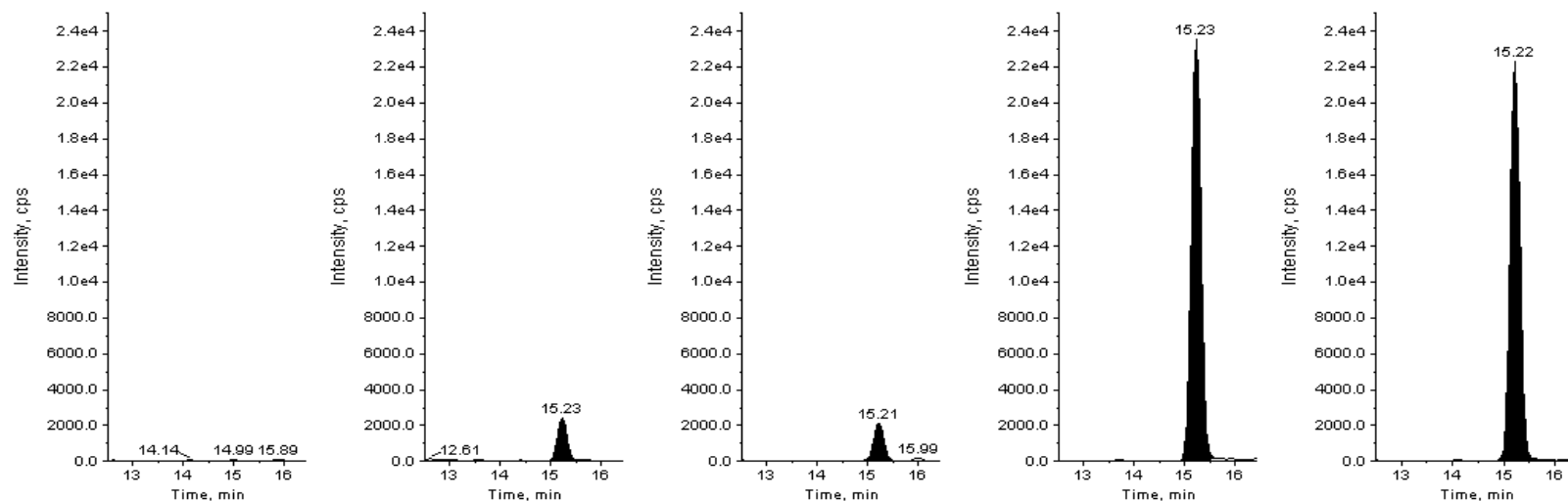


Figure: Second MRM of Tebutam: 234 amu $\rightarrow$ 192 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

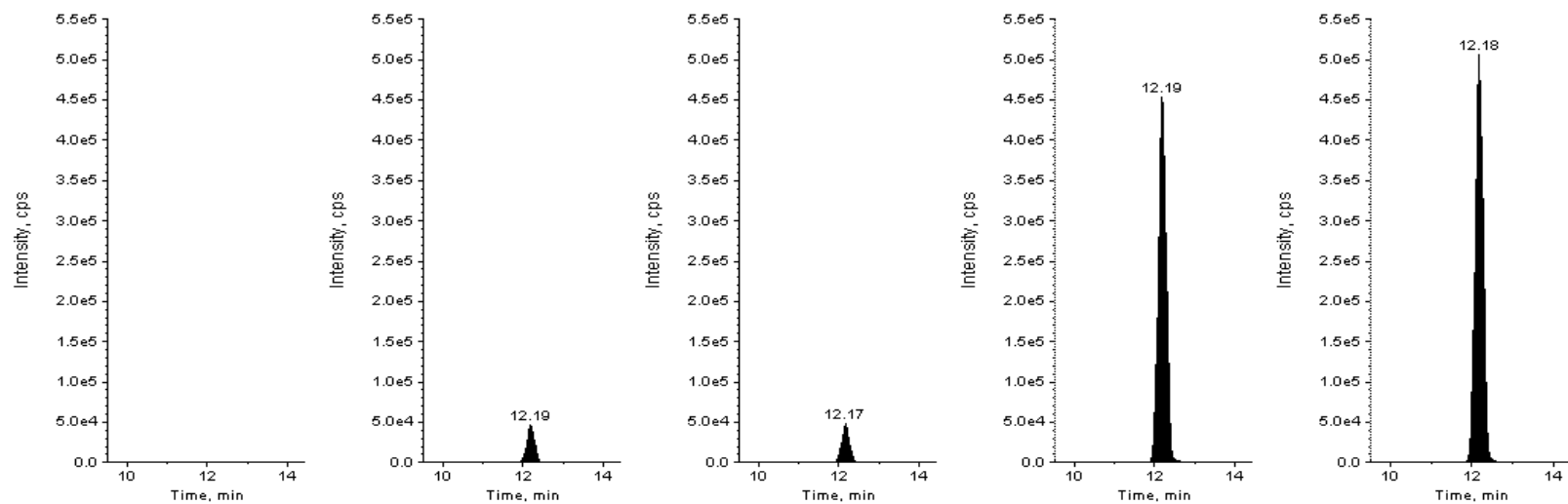


Figure: First MRM of Tebuthiuron: 229 amu $\rightarrow$ 172 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

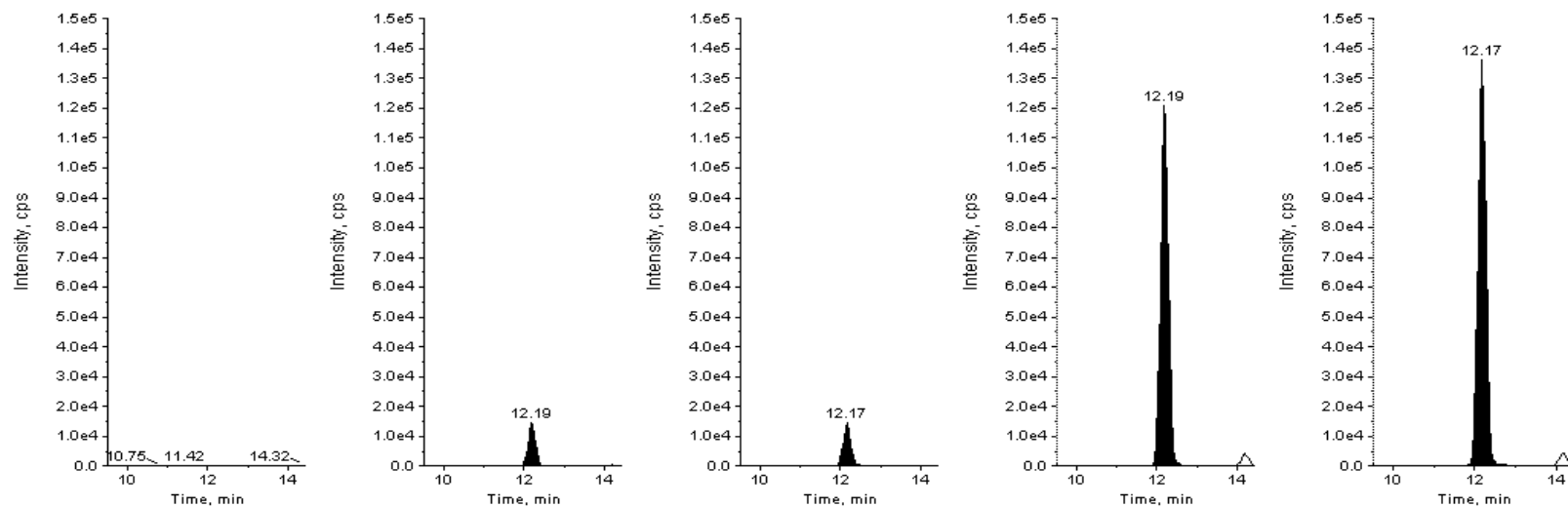


Figure: Second MRM of Tebuthiuron: 229 amu $\rightarrow$ 116 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

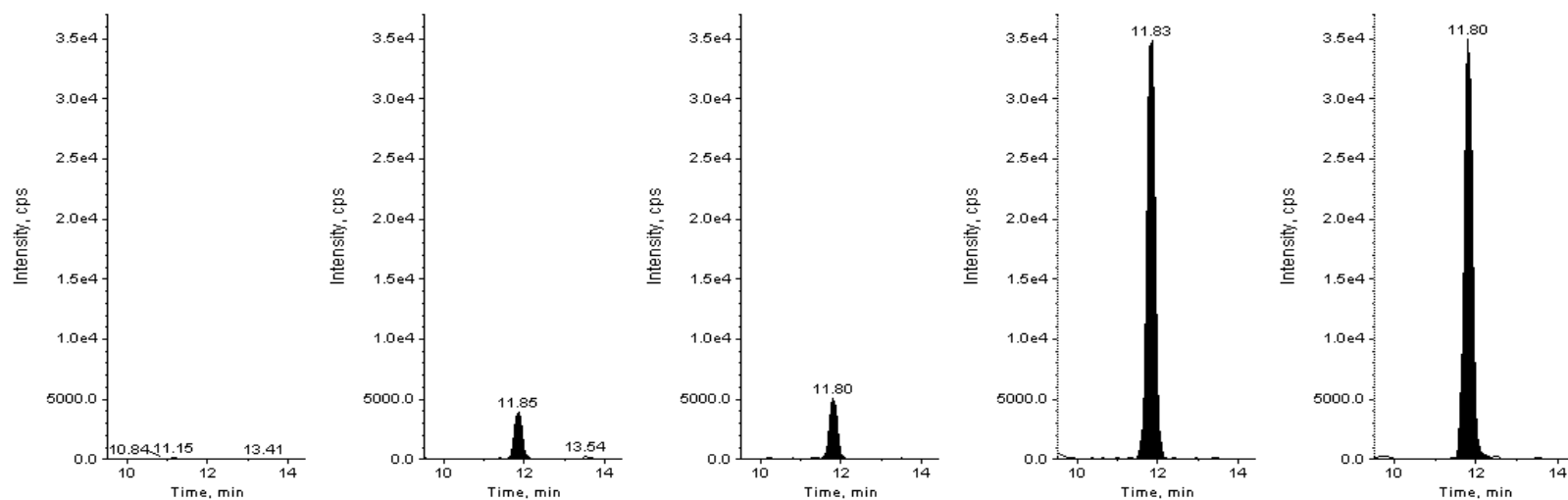


Figure: First MRM of Tepraloxydim: 342 amu $\rightarrow$ 250 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

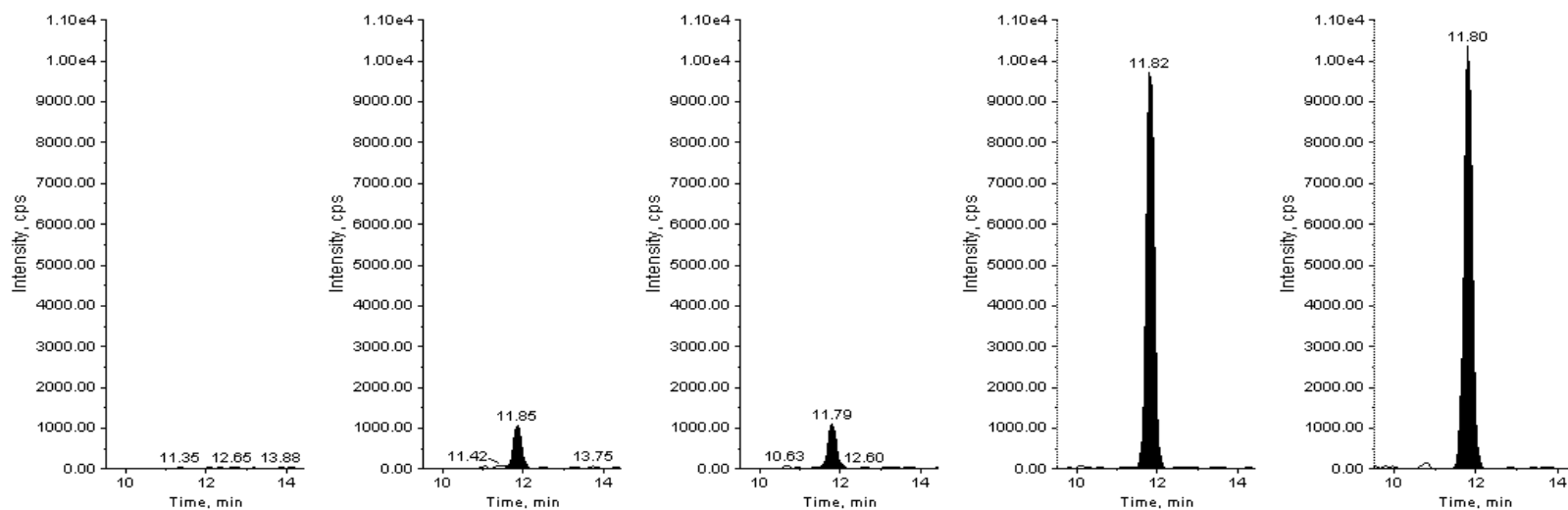


Figure: Second MRM of Tepraloxydim: 342 amu $\rightarrow$ 166 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

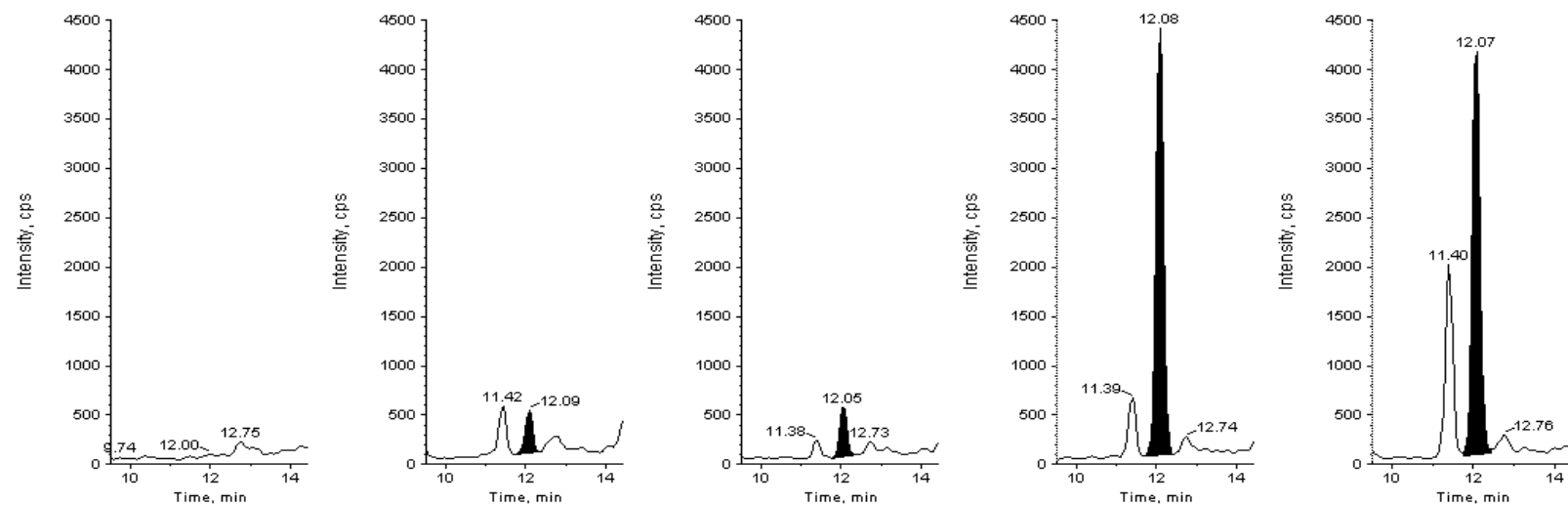


Figure: First MRM of Terbacil: 217 amu → 161 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

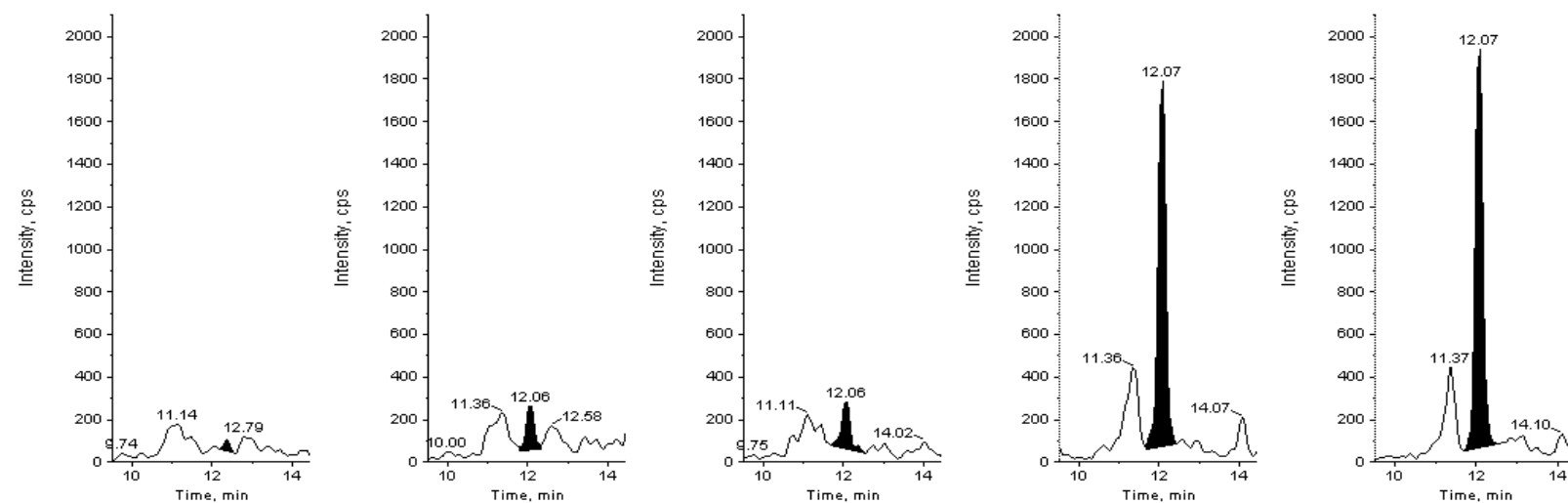


Figure: Second MRM of Terbacil: 217 amu → 144 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

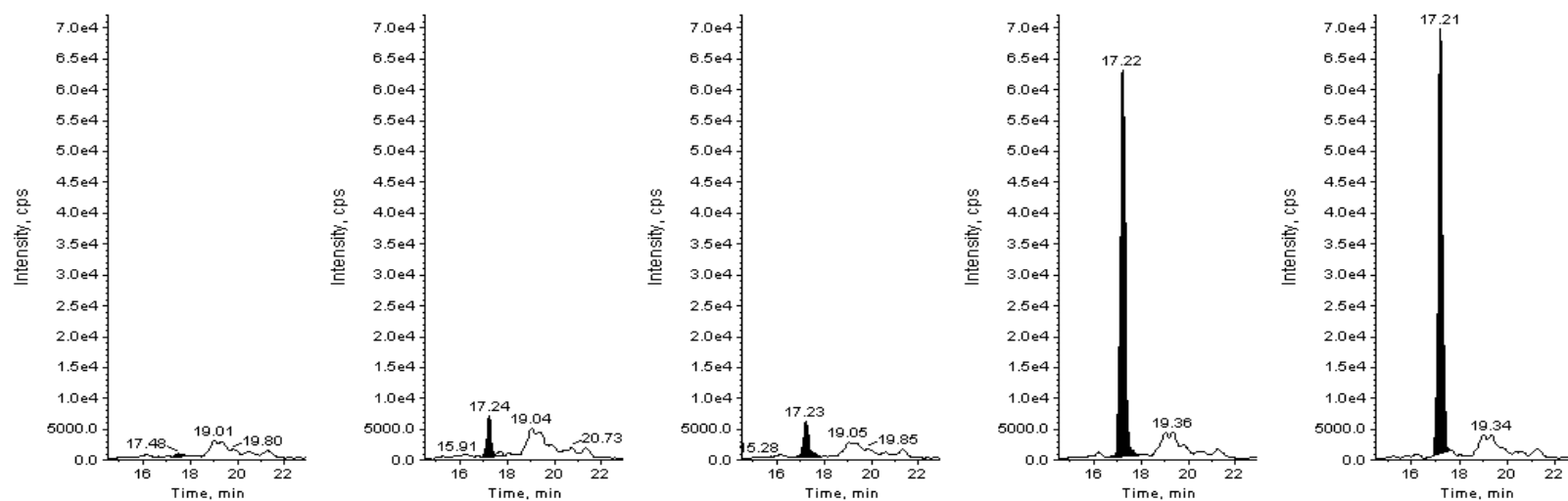


Figure: First MRM of Terbufos: 289 amu → 57 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

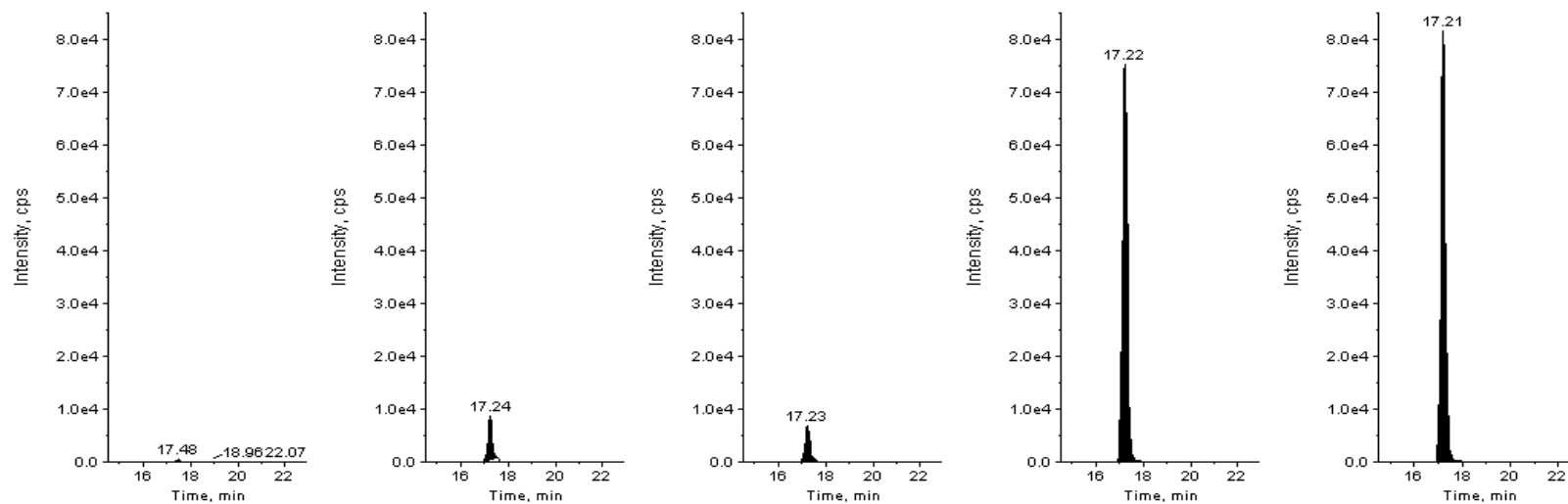


Figure: Second MRM of Terbufos: 289 amu → 103 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

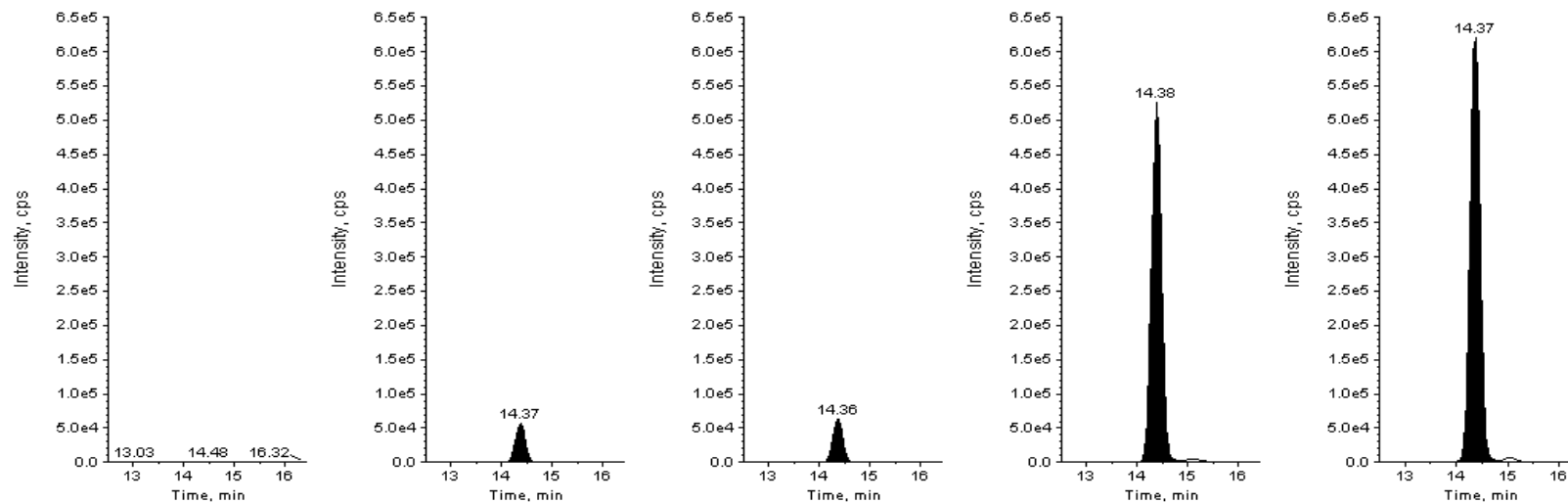


Figure: First MRM of Terbumeton: 226 amu → 170 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

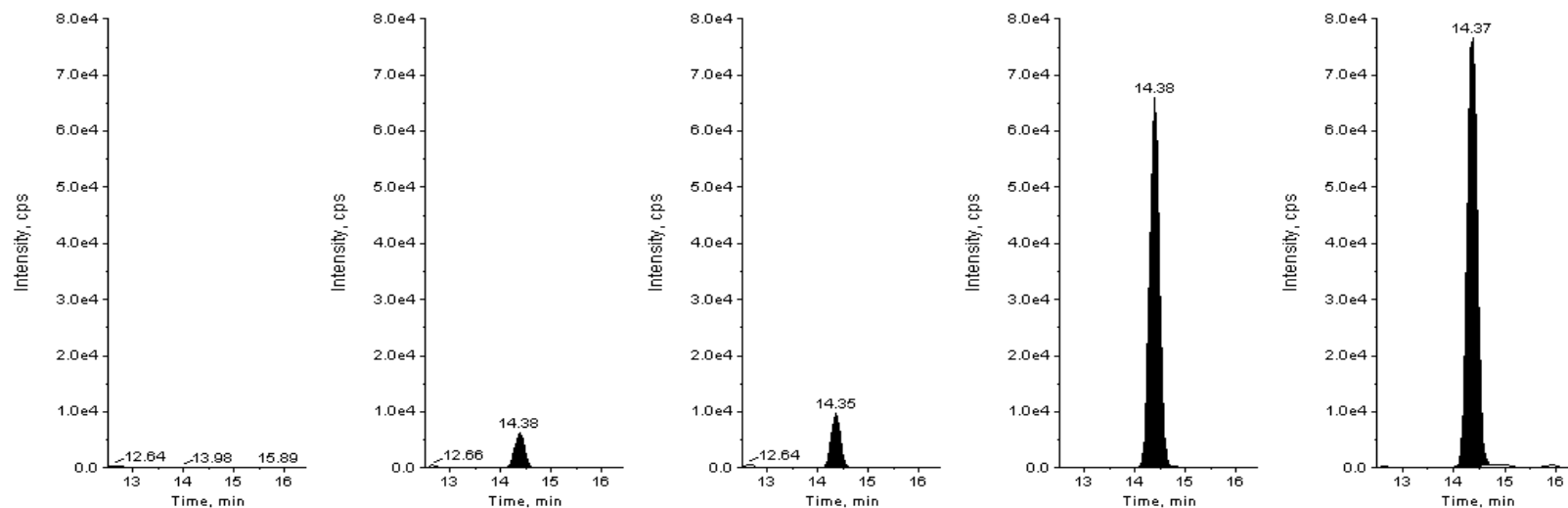


Figure: Second MRM of Terbumeton: 226 amu → 114 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

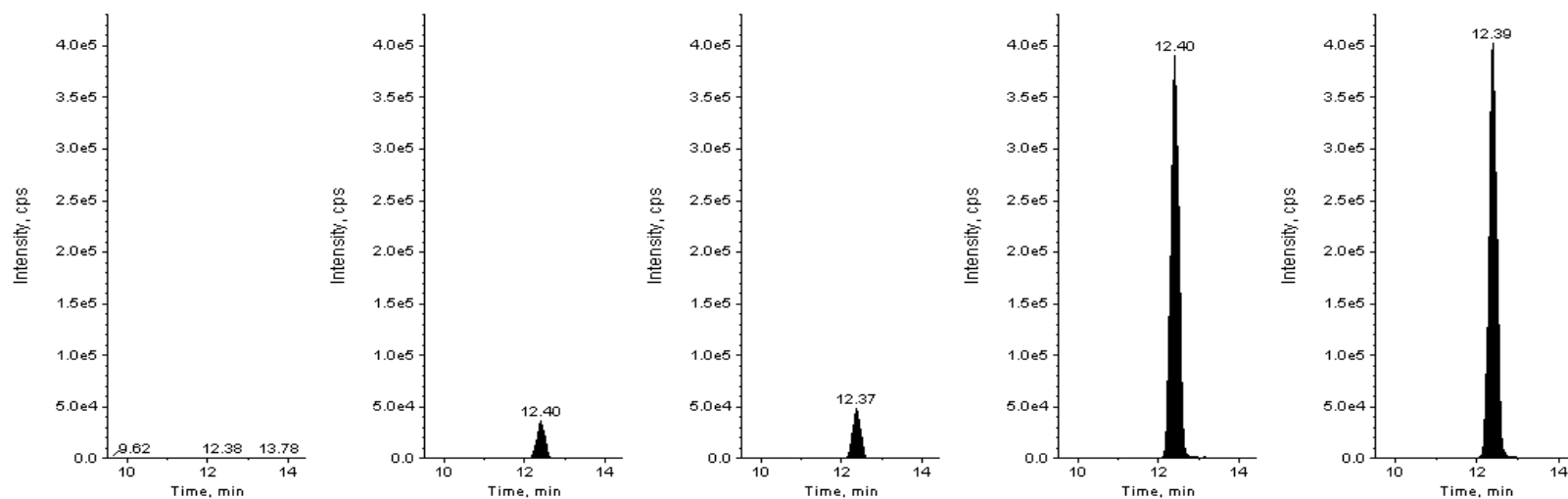


Figure: First MRM of Terbutyazine-2-hydroxy: 212 amu $\rightarrow$ 156 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

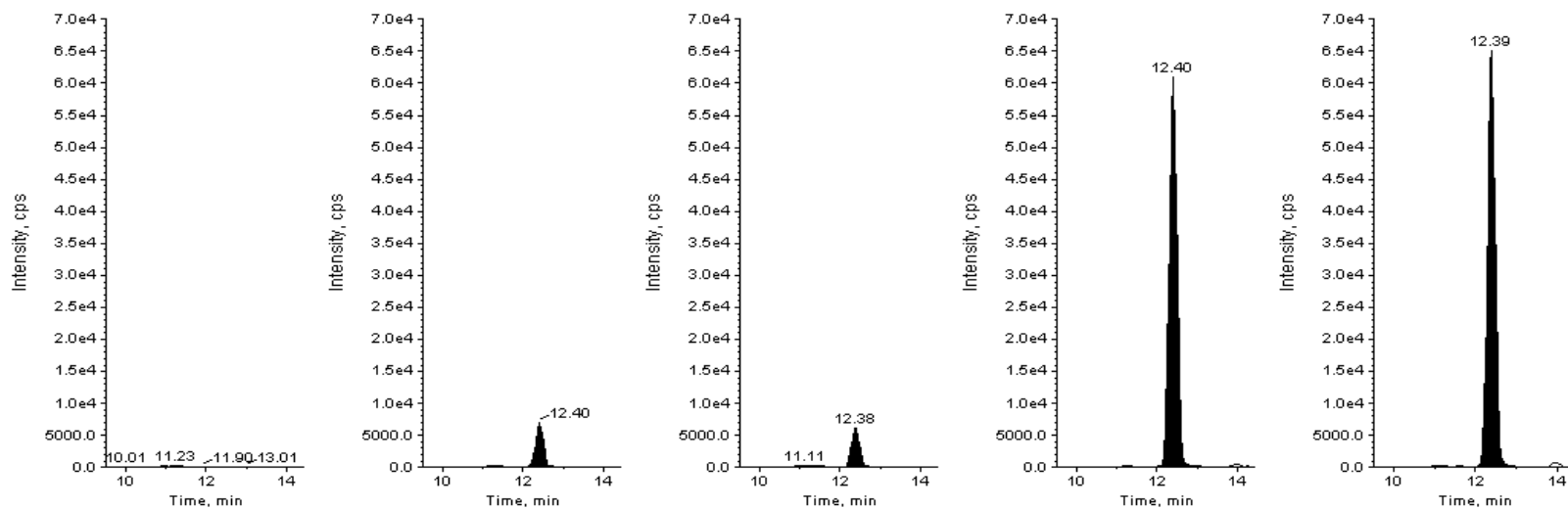


Figure: Second MRM of Terbutyazine-2-hydroxy: 212 amu $\rightarrow$ 114 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

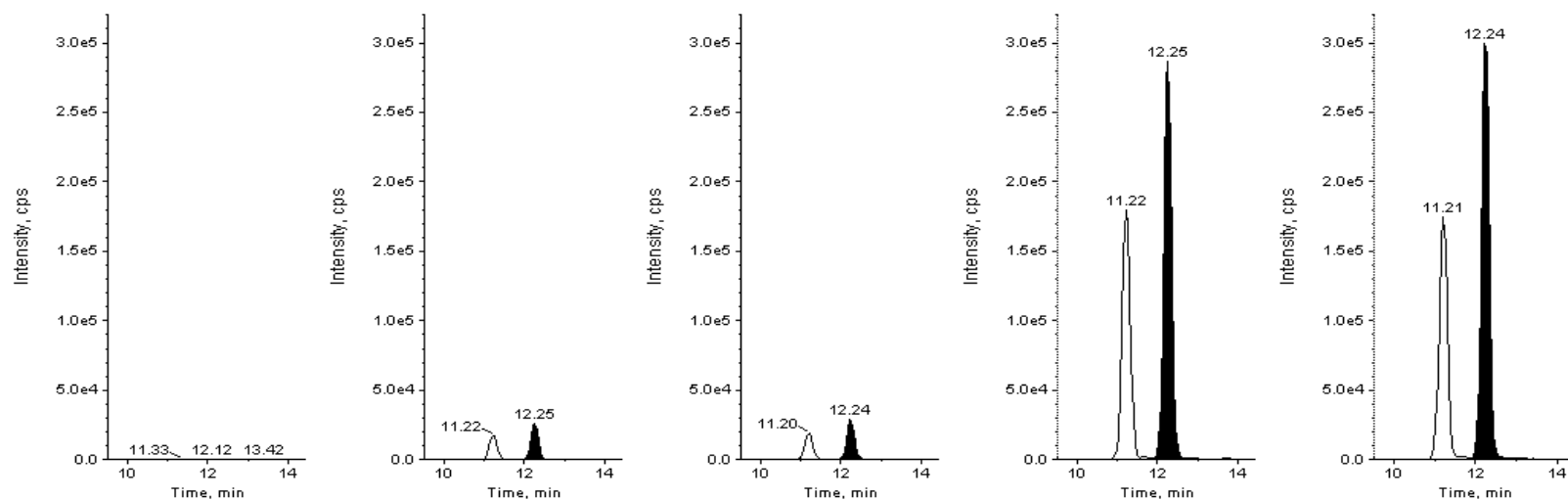


Figure: First MRM of Terbutyazine-desethyl: 202 amu → 146 amu
(Control sample, standard 0.1µg/L, spiked sample 0.1µg/L, standard 1.0µg/L, spiked sample 1.0µg/L, from left to right)

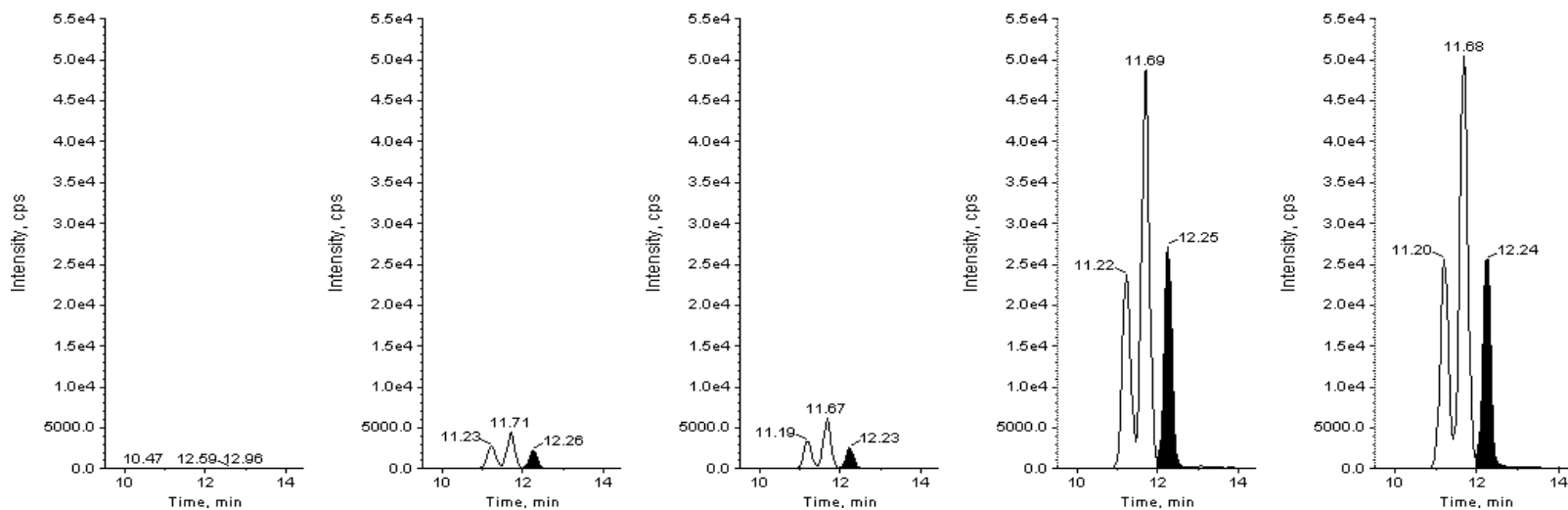


Figure: Second MRM of Terbutyazine-desethyl: 202 amu → 104 amu
(Control sample, standard 0.1µg/L, spiked sample 0.1µg/L, standard 1.0µg/L, spiked sample 1.0µg/L, from left to right)

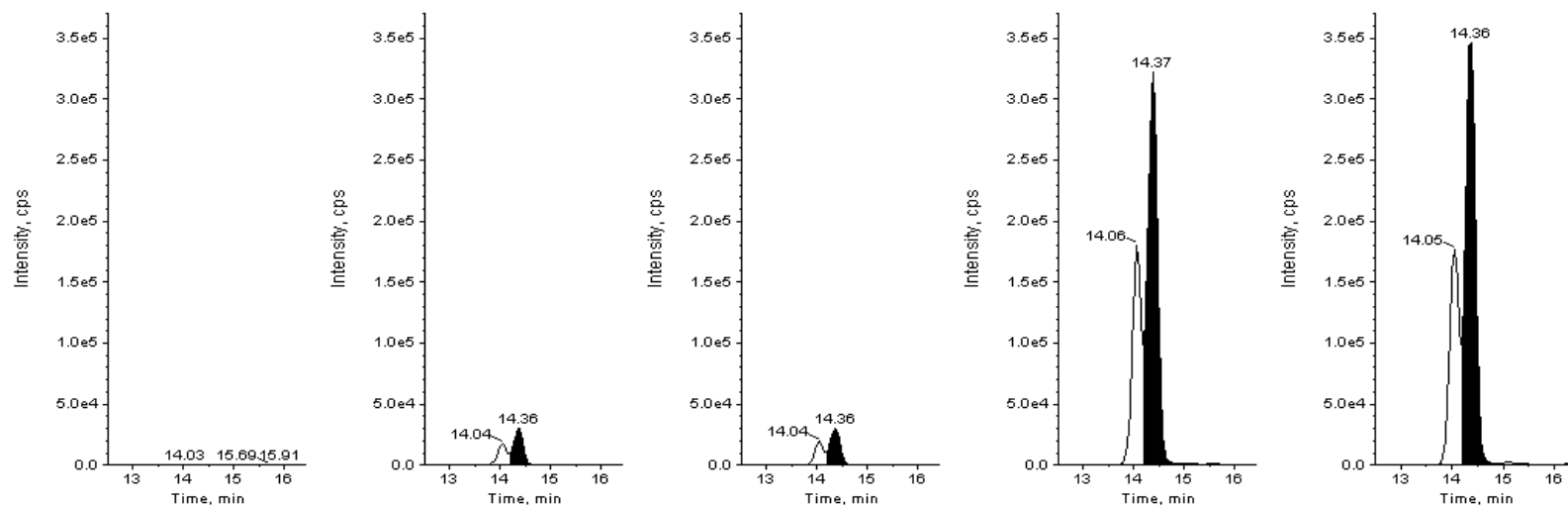


Figure: First MRM of Terbutylazine: 230 amu → 174 amu
(Control sample, standard 0.1µg/L, spiked sample 0.1µg/L, standard 1.0µg/L, spiked sample 1.0µg/L, from left to right)

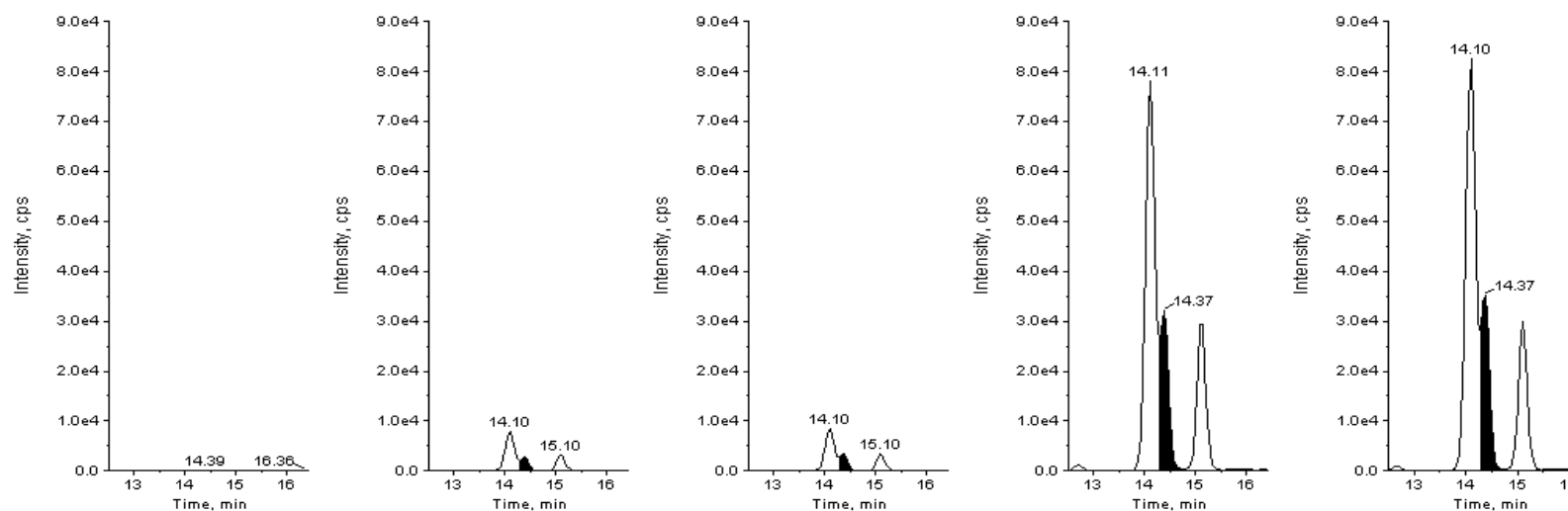


Figure: Second MRM of Terbutylazine: 230 amu → 104 amu
(Control sample, standard 0.1µg/L, spiked sample 0.1µg/L, standard 1.0µg/L, spiked sample 1.0µg/L, from left to right)

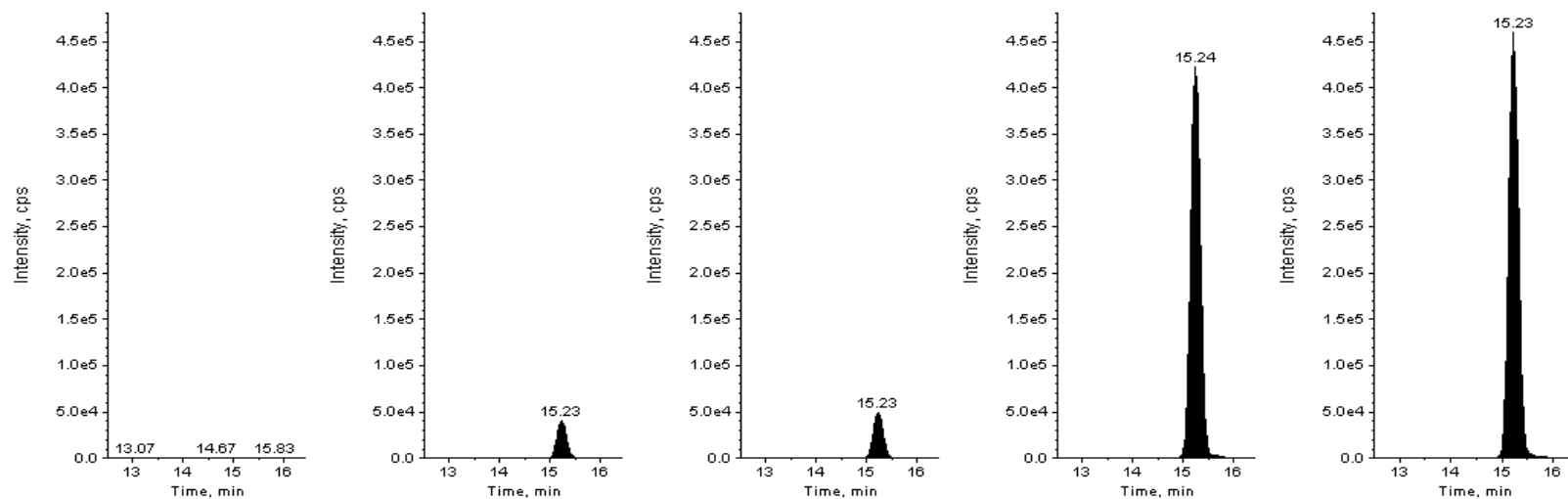


Figure: First MRM of Terbutryn: 242 amu → 186 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

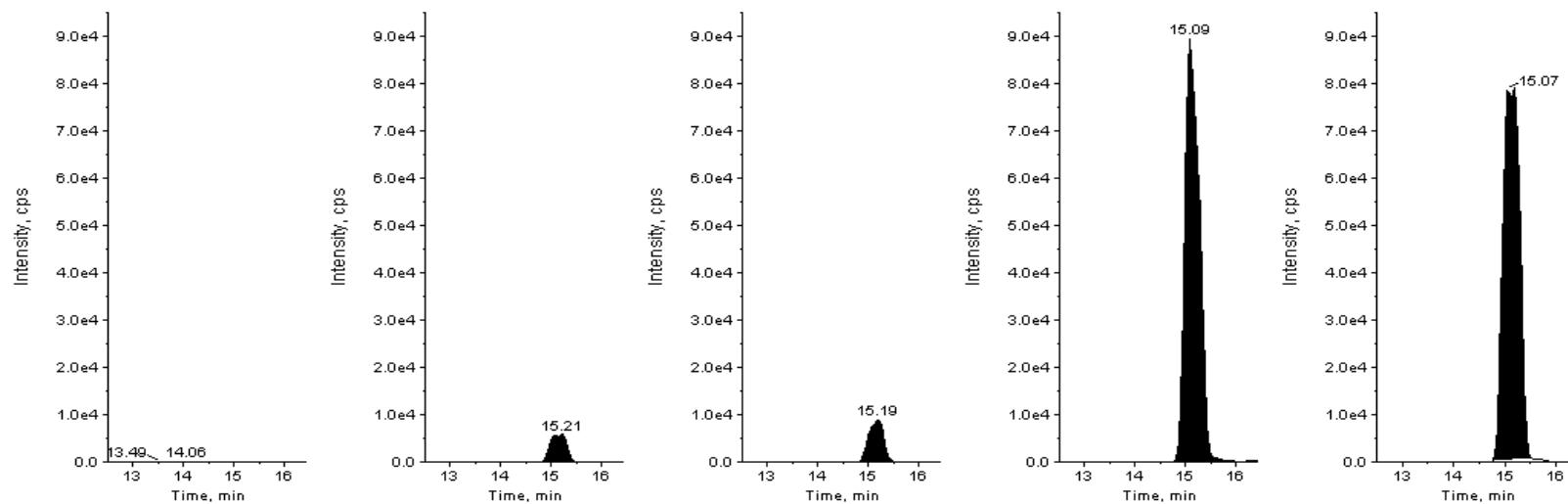


Figure: Second MRM of Terbutryn: 242 amu → 68 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

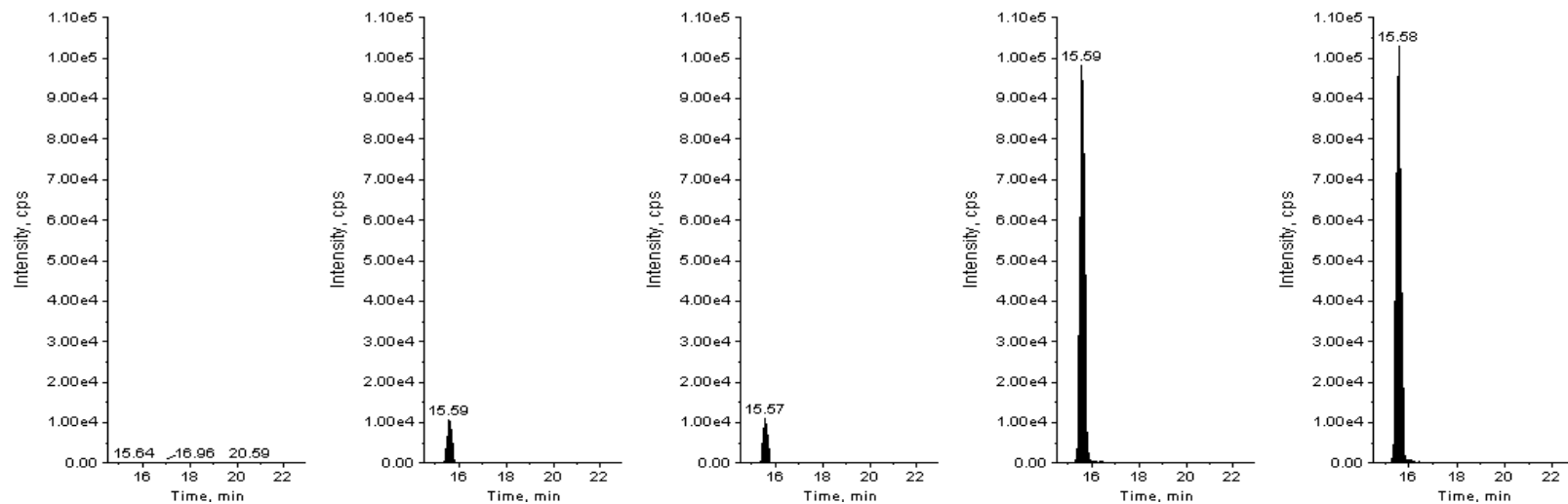


Figure: First MRM of Tetrachlorvinphos: 367 amu → 127 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

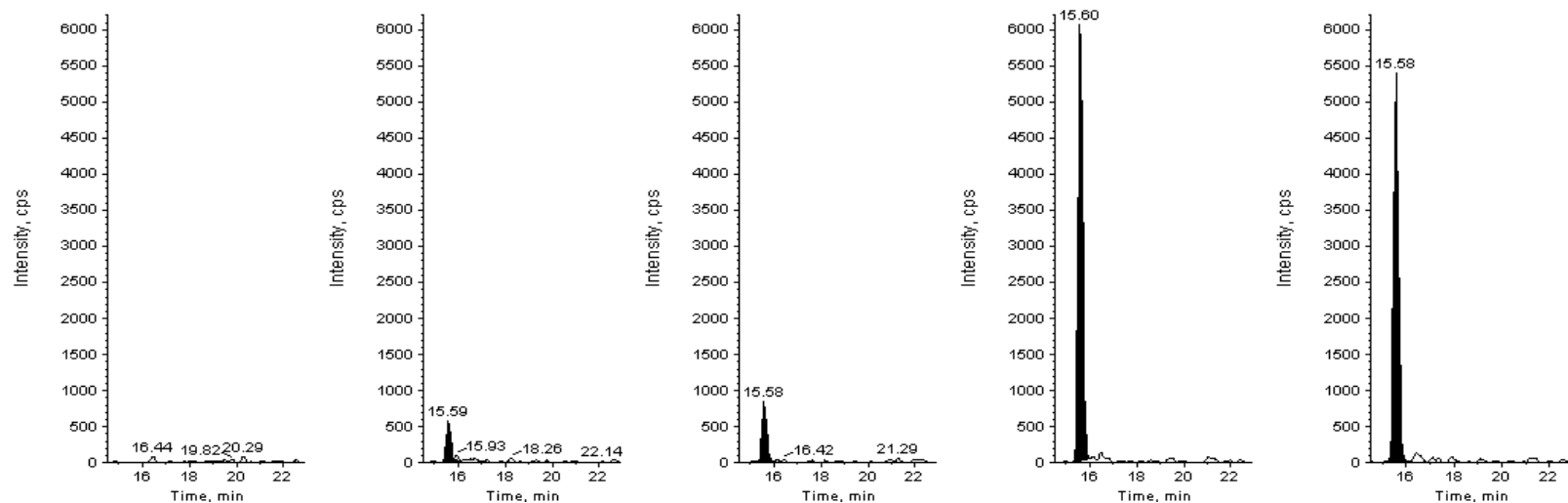


Figure: Second MRM of Tetrachlorvinphos: 367 amu → 241 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

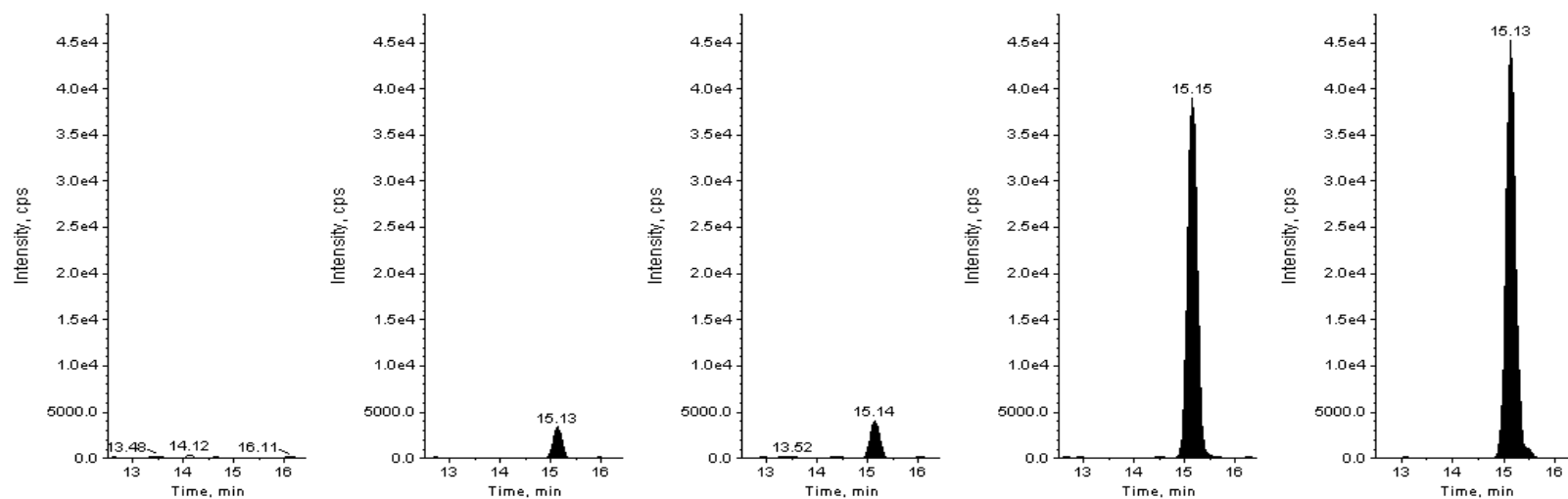


Figure: First MRM of Tetraconazole: 372 amu → 159 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

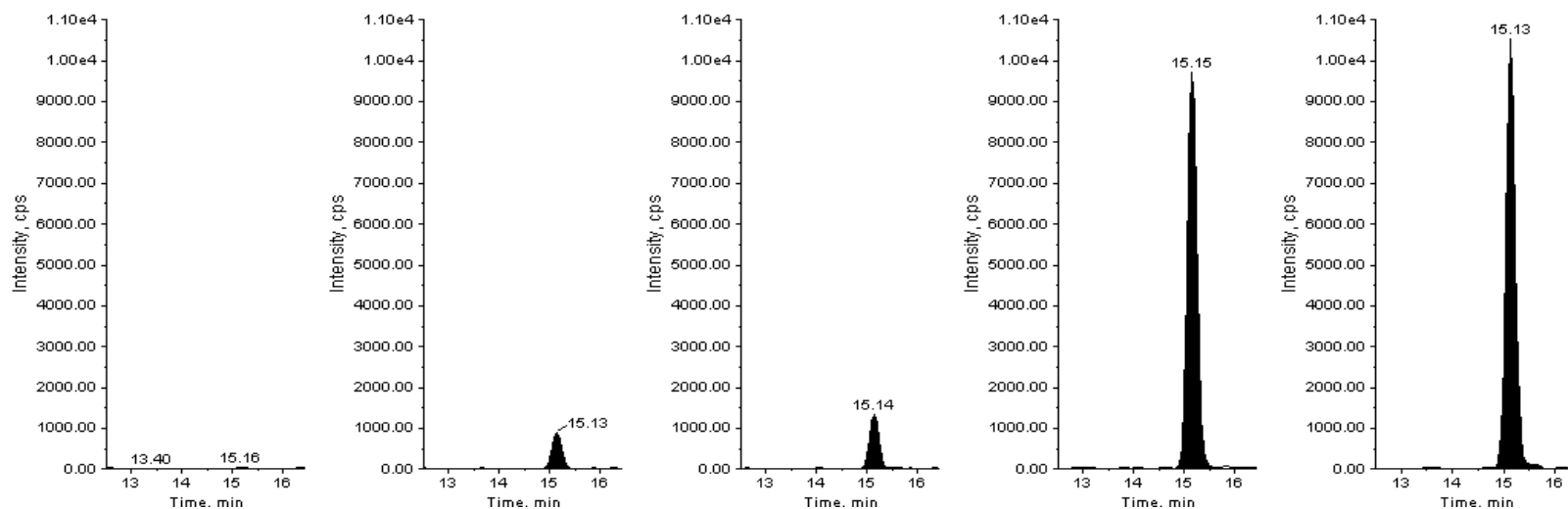


Figure: Second MRM of Tetraconazole: 372 amu → 70 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

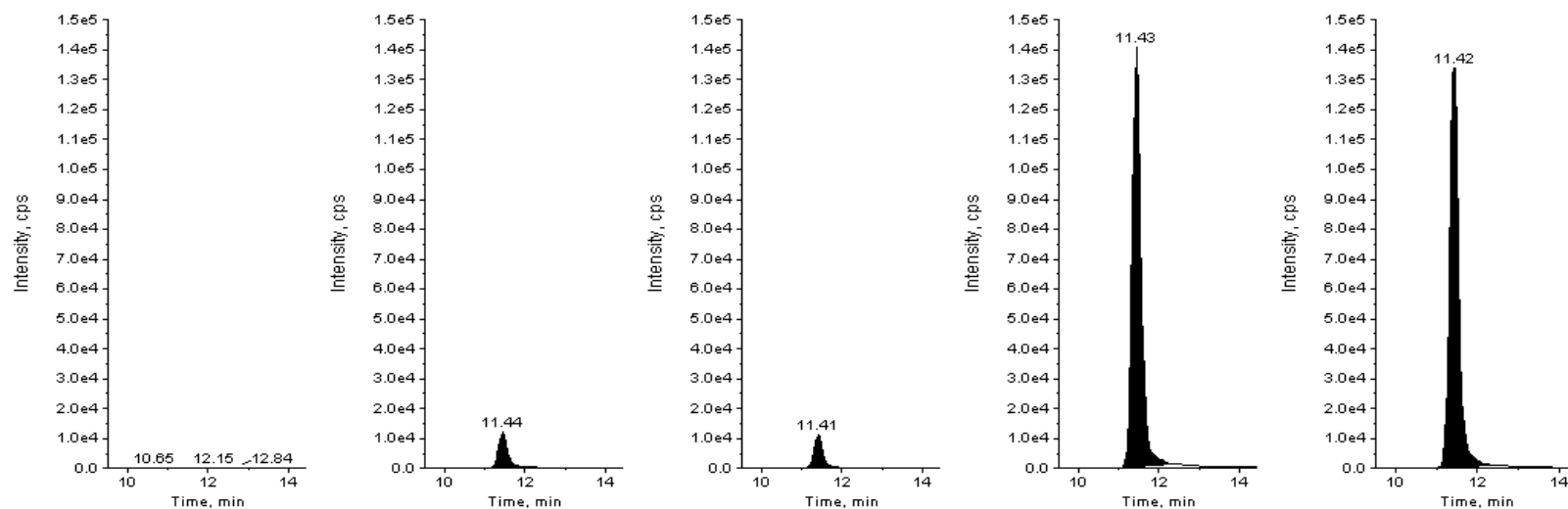


Figure: First MRM of Thiabendazol: 202 amu → 131 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

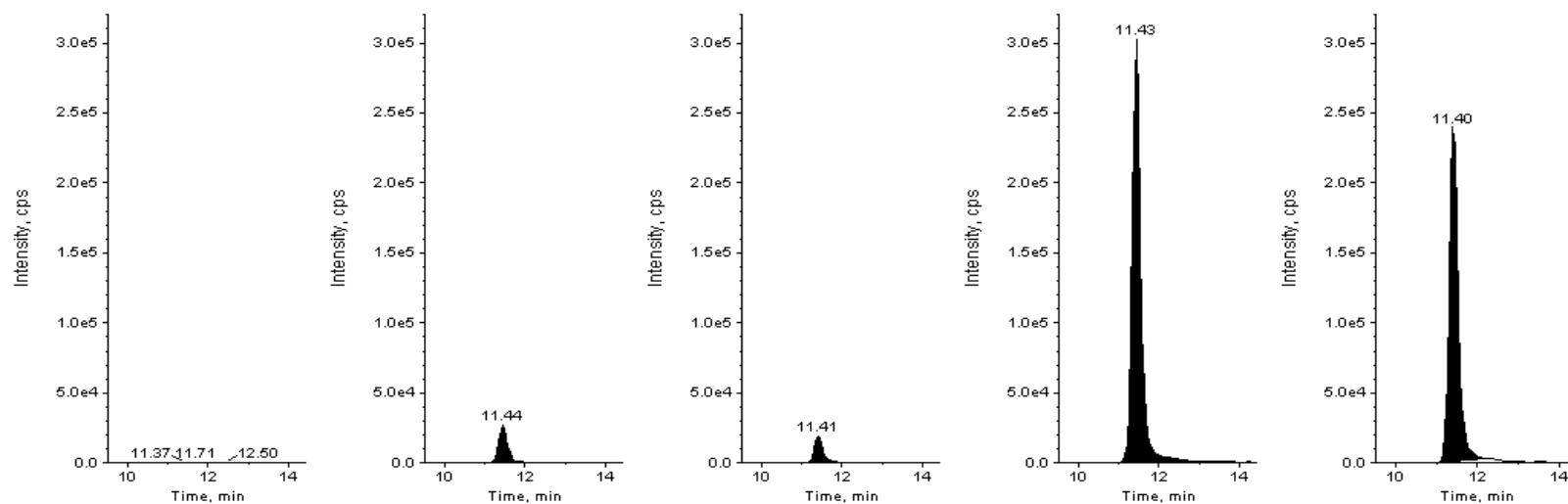


Figure: Second MRM of Thiabendazol: 202 amu → 175 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

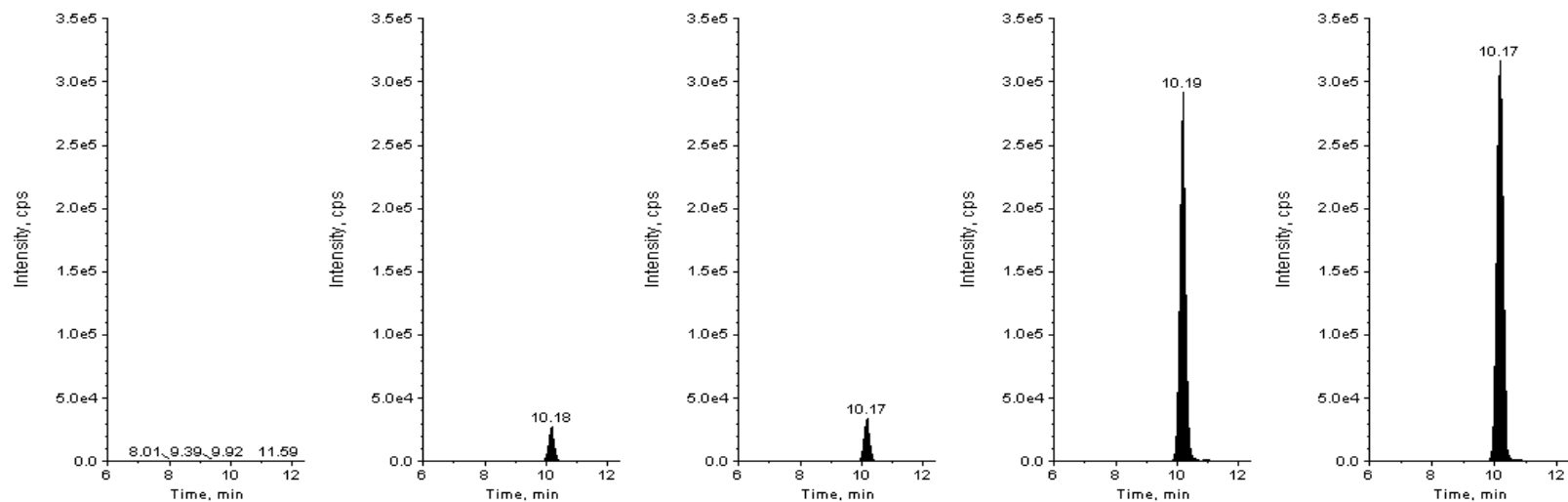


Figure: First MRM of Thiachloprid: 253 amu $\rightarrow$ 126 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

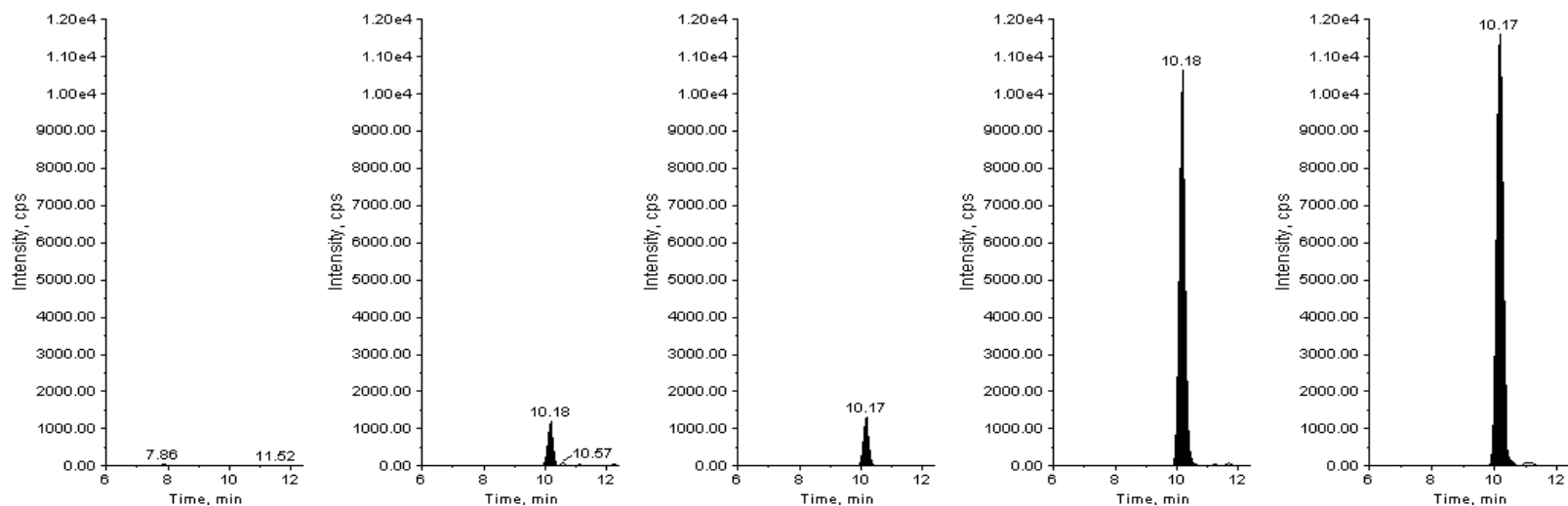


Figure: Second MRM of Thiachloprid: 253 amu $\rightarrow$ 186 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

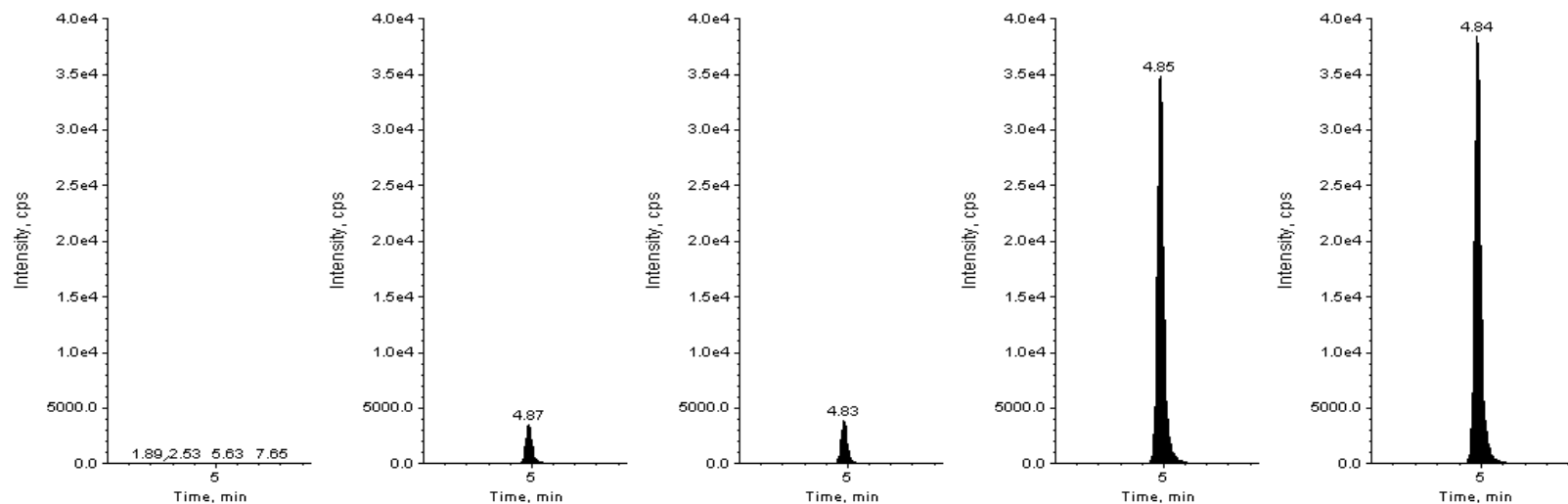


Figure: First MRM of Thiamethoxam: 292 amu $\rightarrow$ 211 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

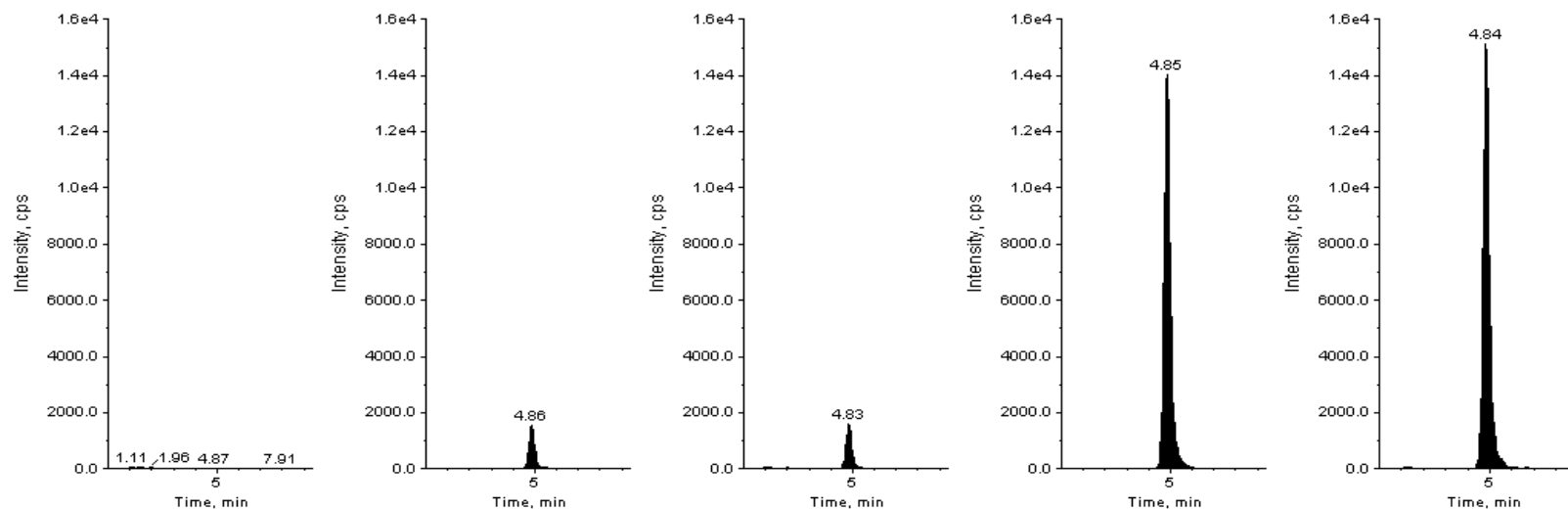


Figure: Second MRM of Thiamethoxam: 292 amu $\rightarrow$ 181 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

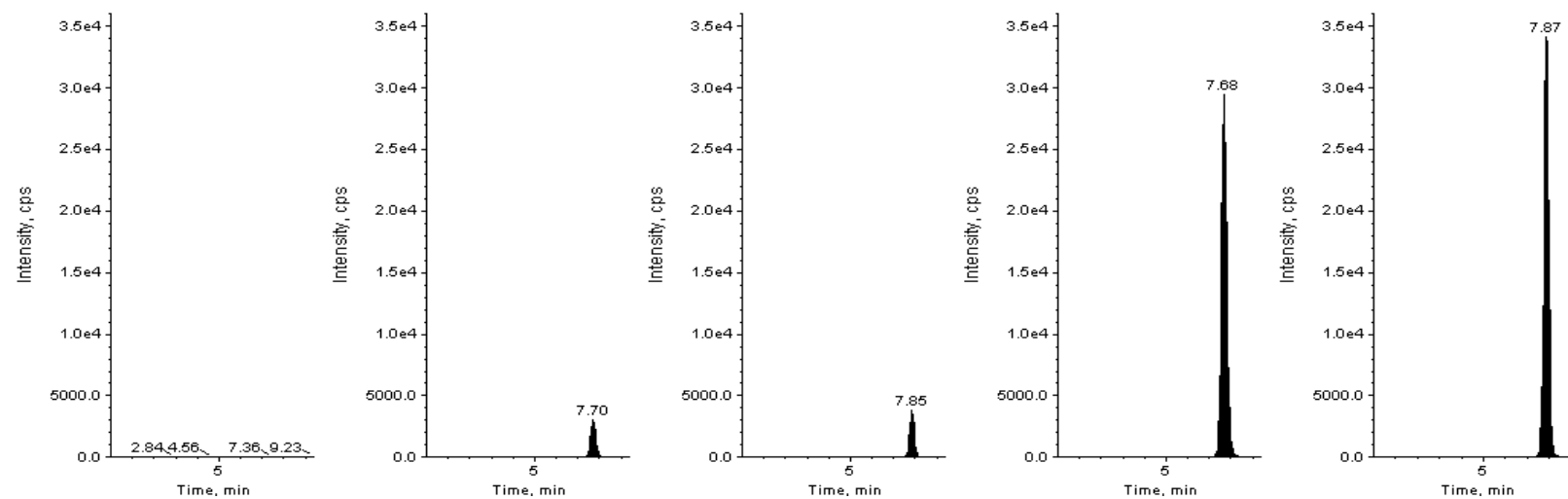


Figure: First MRM of Thifensulfuron-methyl: 388 amu → 167 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

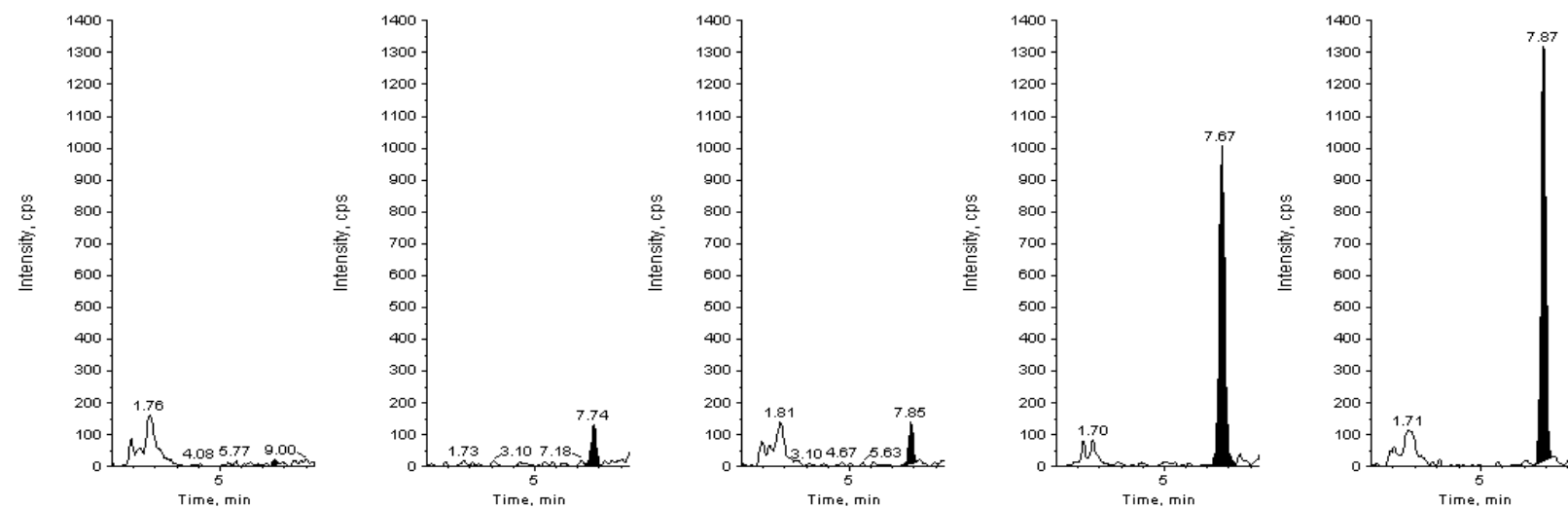


Figure: Second MRM of Thifensulfuron-methyl: 388 amu → 205 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

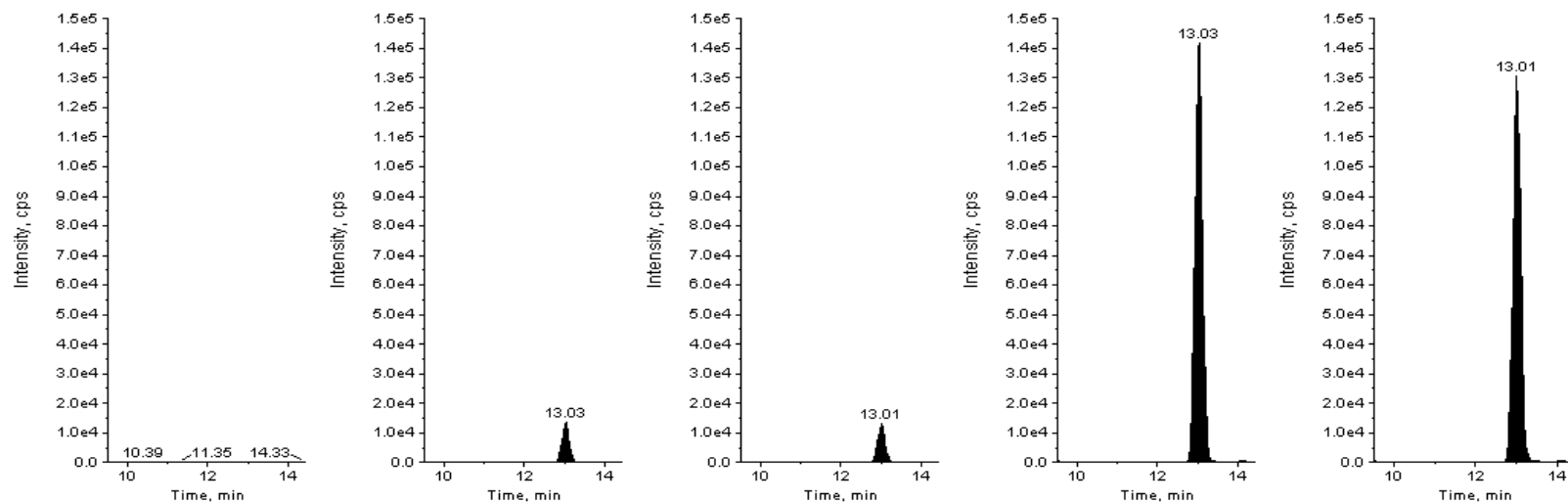


Figure: First MRM of Thiodicarb: 355 amu → 88 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

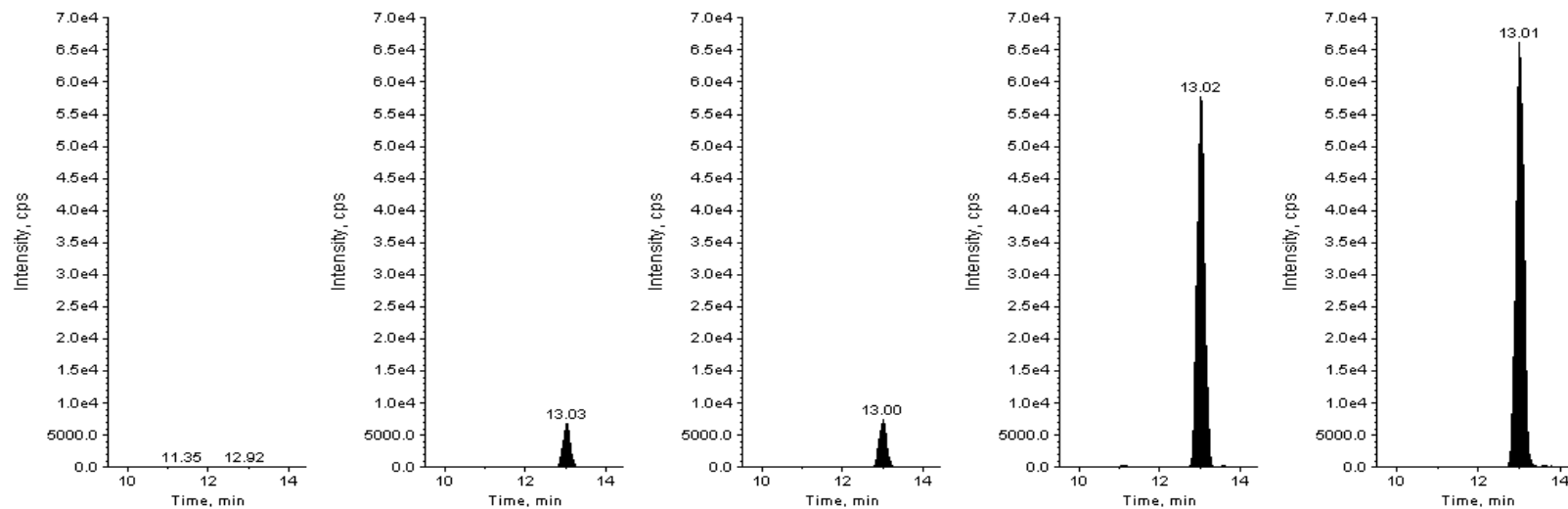


Figure: Second MRM of Thiodicarb: 355 amu → 108 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

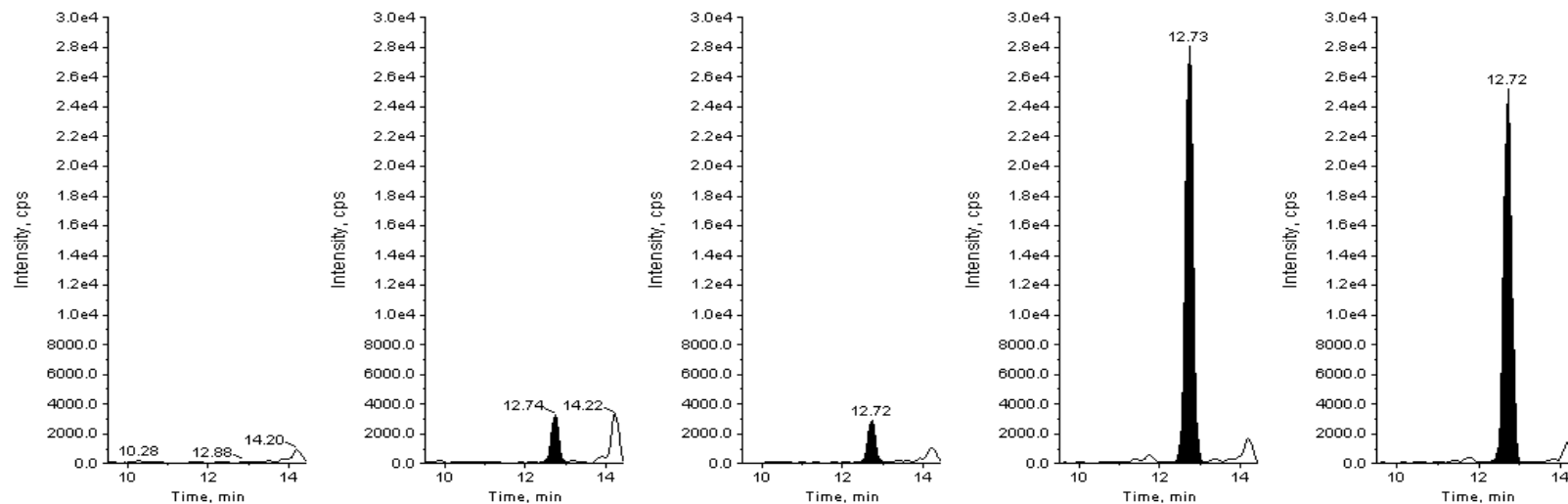


Figure: First MRM of Thiofanox: 219 amu → 57 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

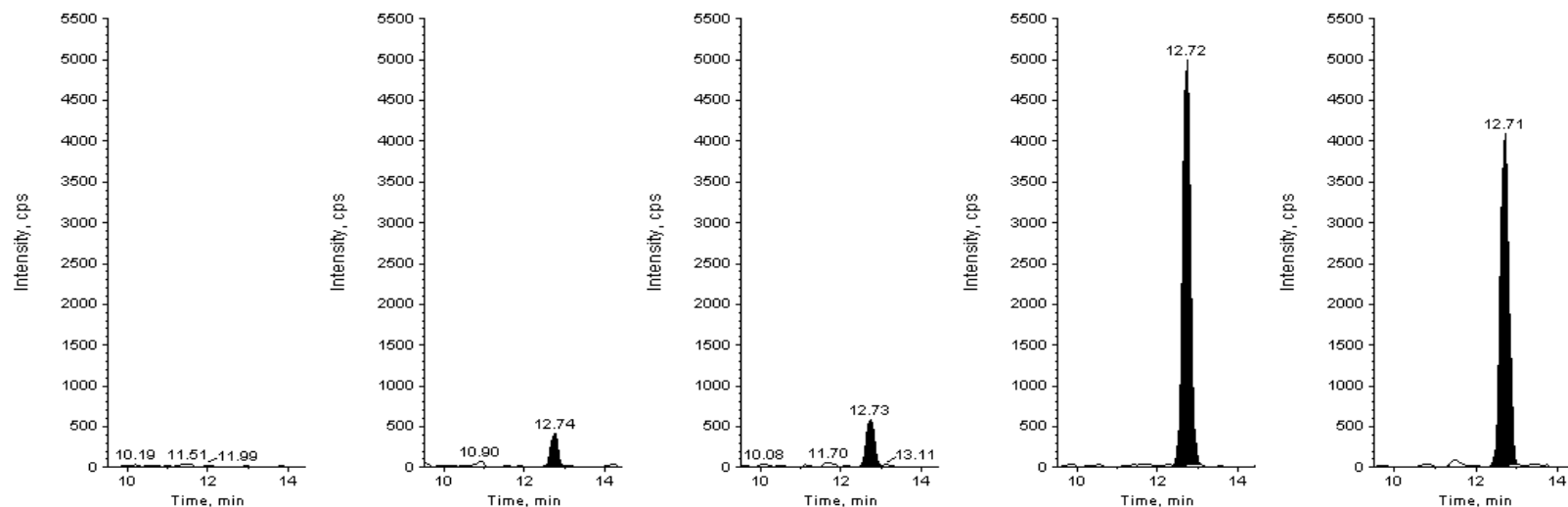


Figure: Second MRM of Thiofanox: 219 amu → 61 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

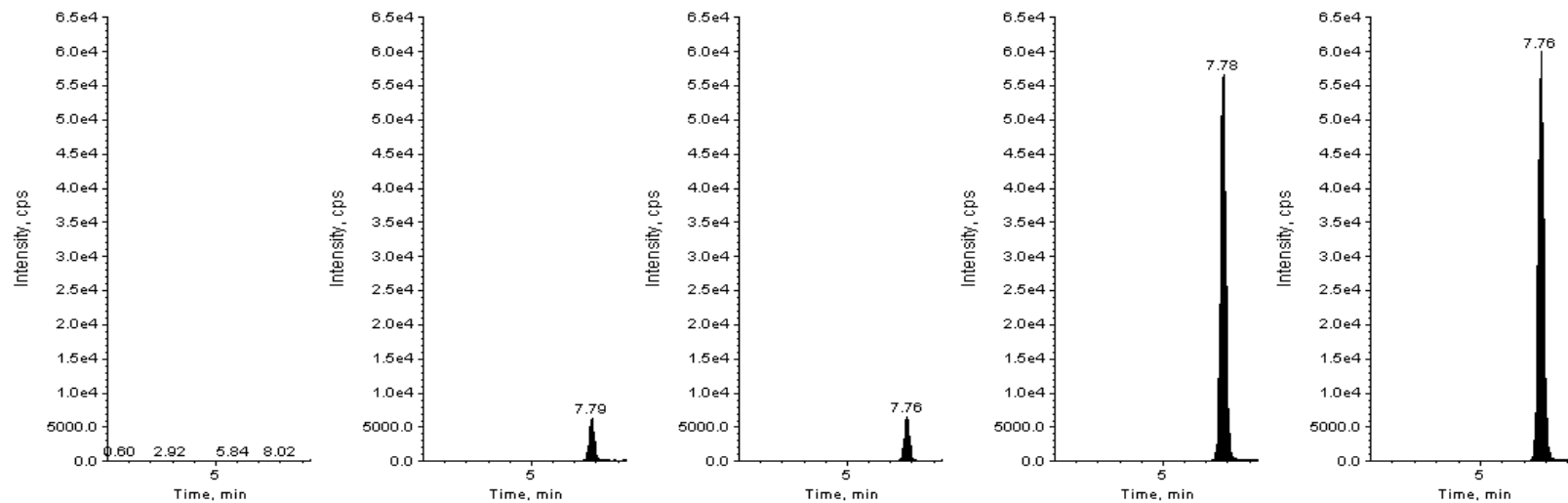


Figure: First MRM of Thiofanox-sulfon: 268 amu $\rightarrow$ 57 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

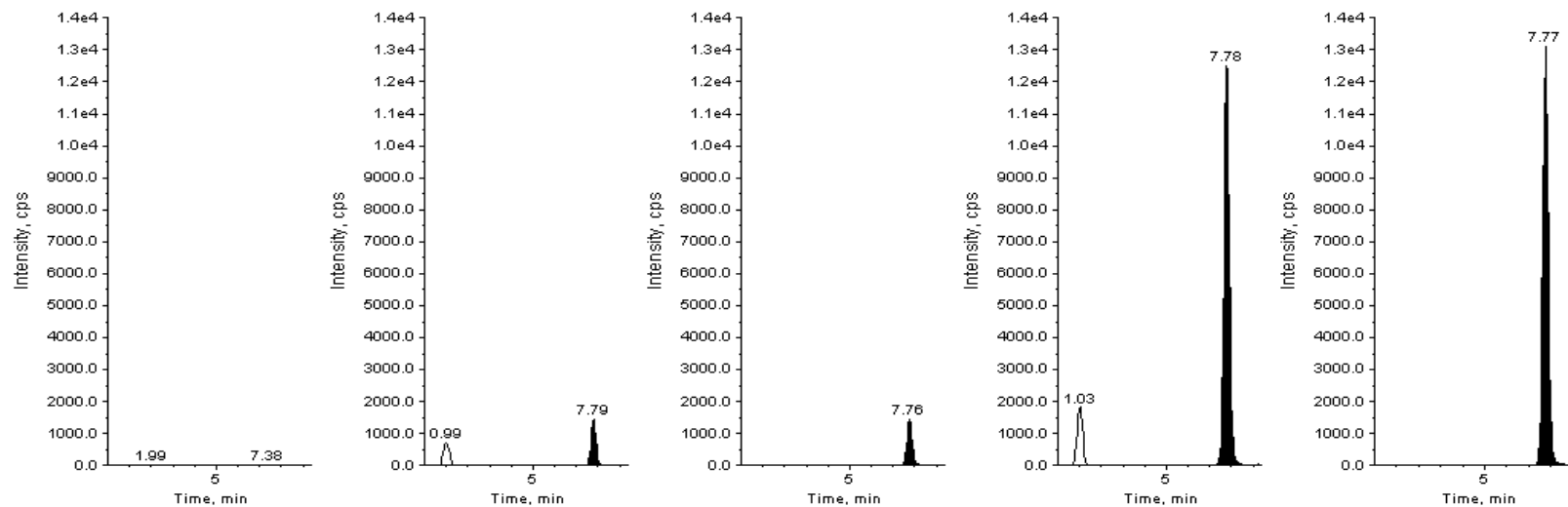


Figure: Second MRM of Thiofanox-sulfon: 268 amu $\rightarrow$ 76 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

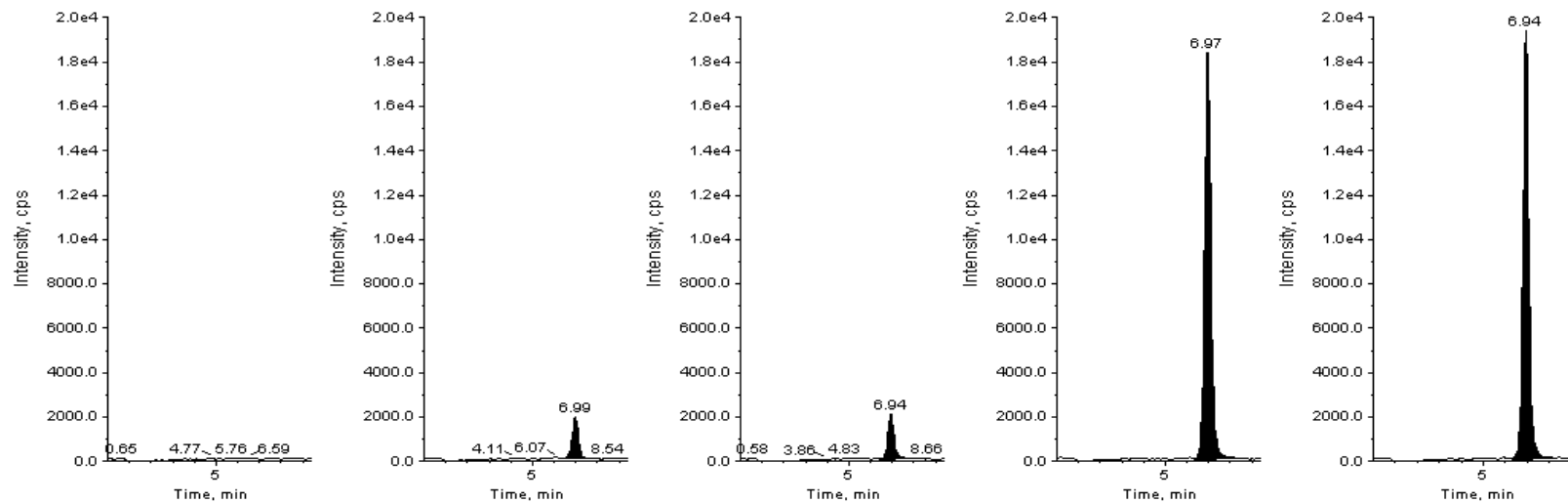


Figure: First MRM of Thiofanox-sulfoxid: 252 amu → 104 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

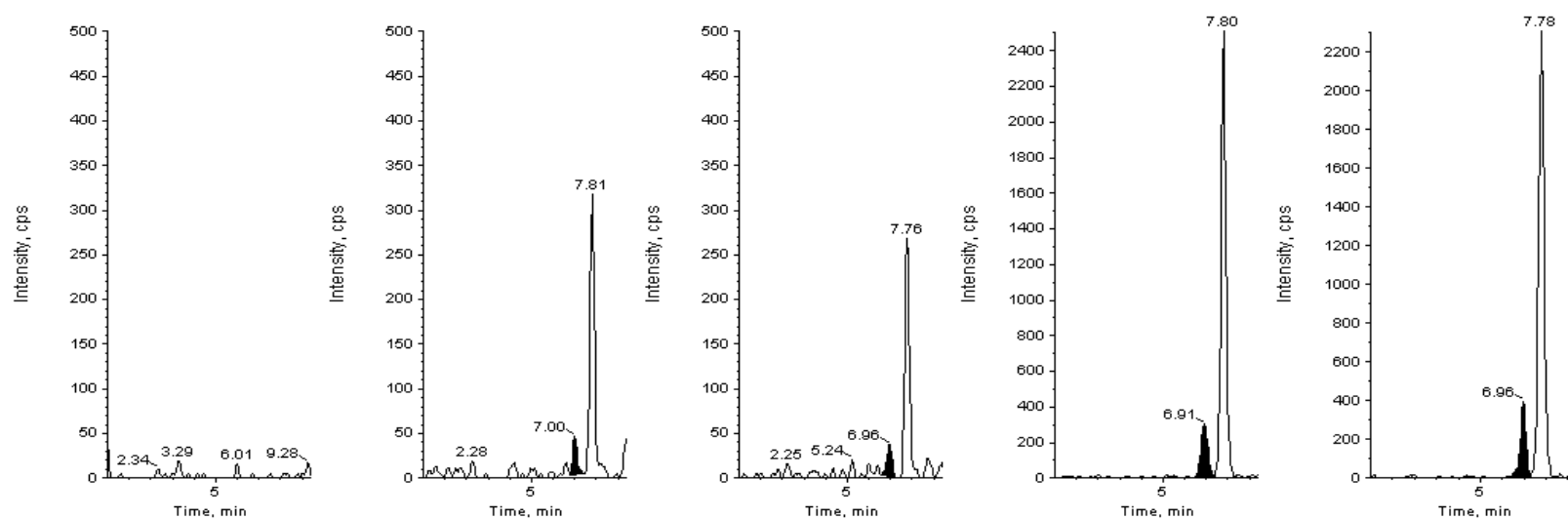


Figure: Second MRM of Thiofanox-sulfoxid: 252 amu → 57 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

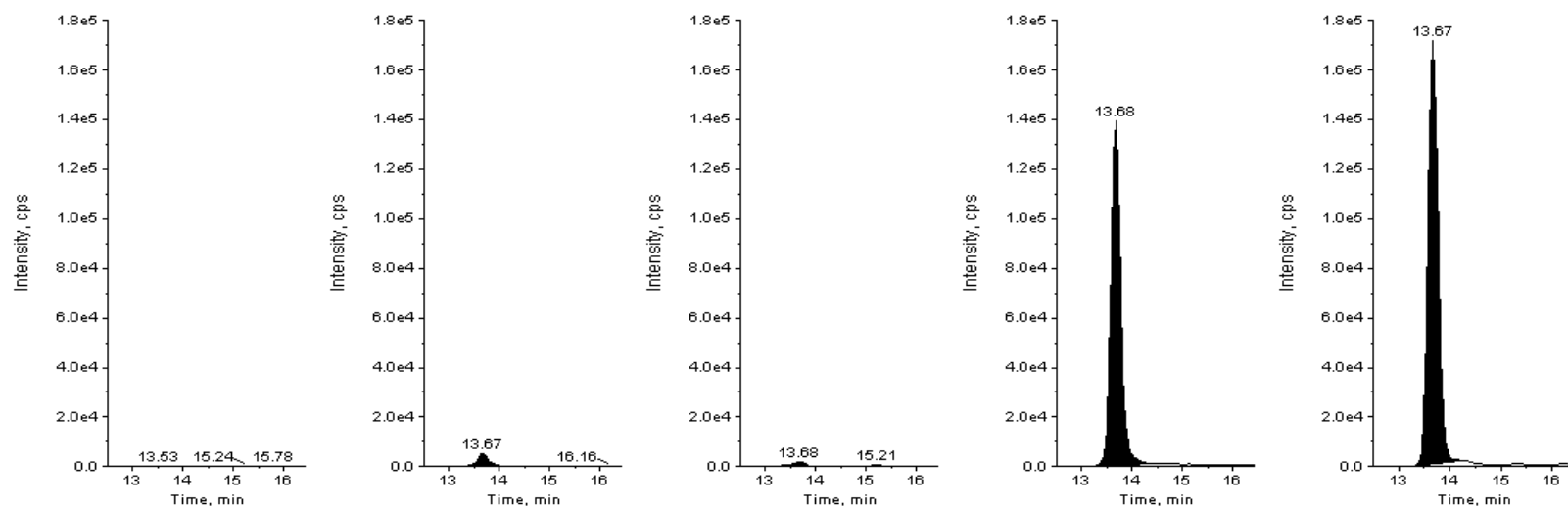


Figure: First MRM of Thiophanate (-ethyl): 371 amu $\rightarrow$ 151 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

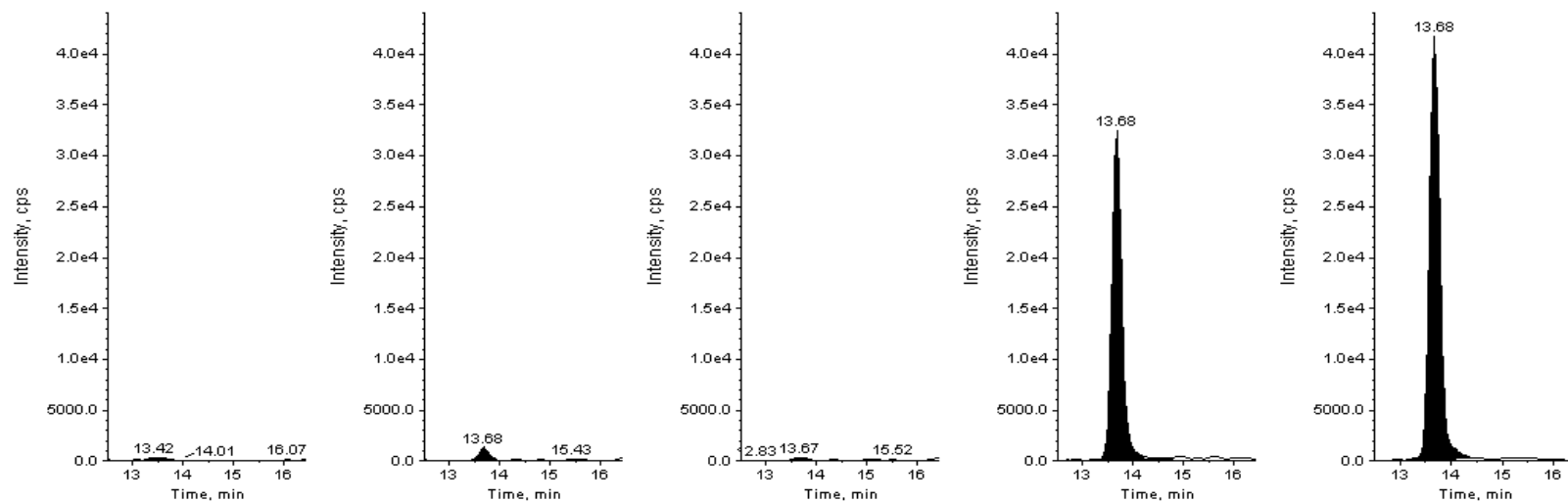


Figure: Second MRM of Thiophanate (-ethyl): 371 amu $\rightarrow$ 325 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

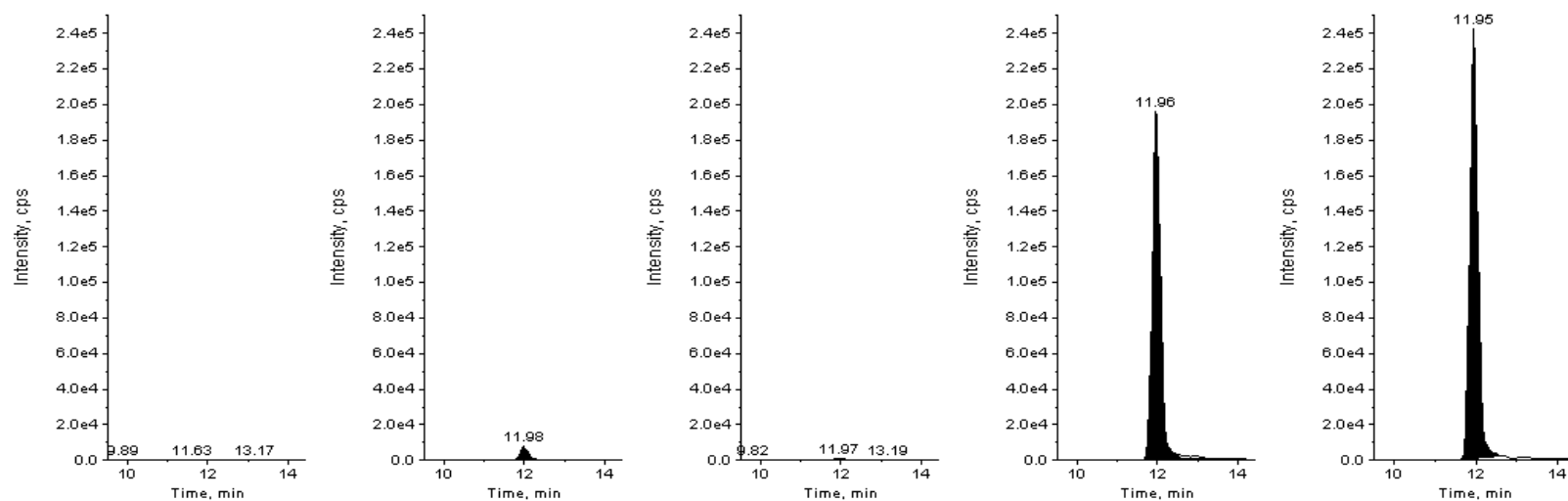


Figure: First MRM of Thiophanat-methyl: 343 amu $\rightarrow$ 151 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

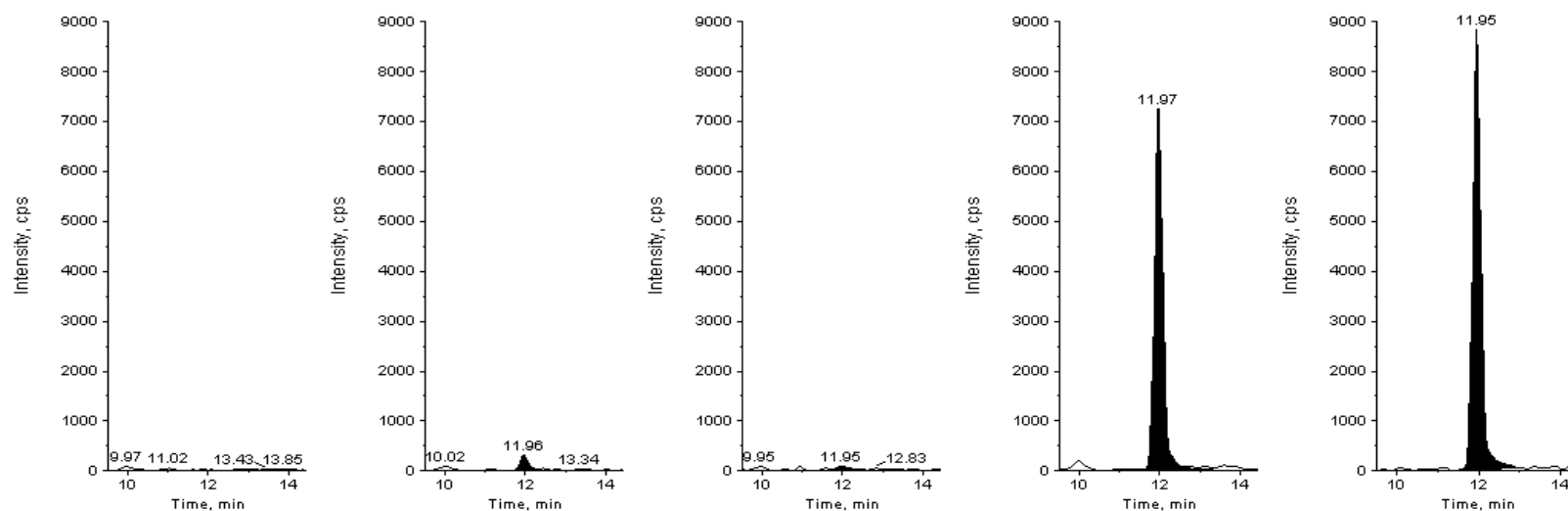


Figure: Second MRM of Thiophanat-methyl: 343 amu $\rightarrow$ 192 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

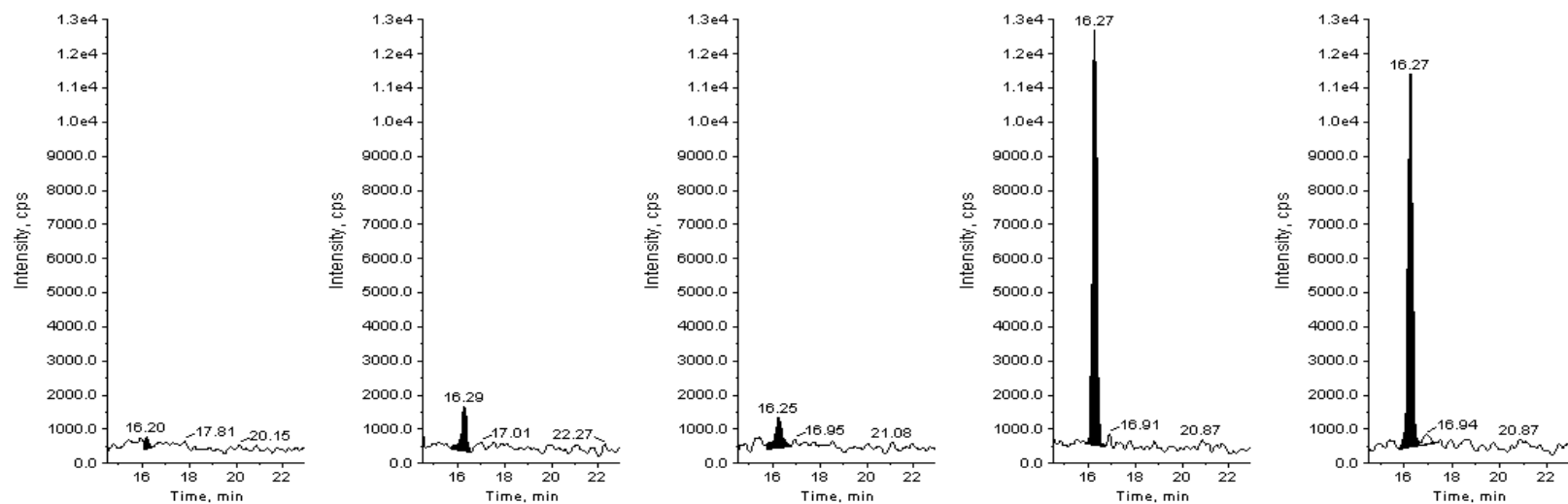


Figure: First MRM of Tolclofos-methyl: 301 amu → 269 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

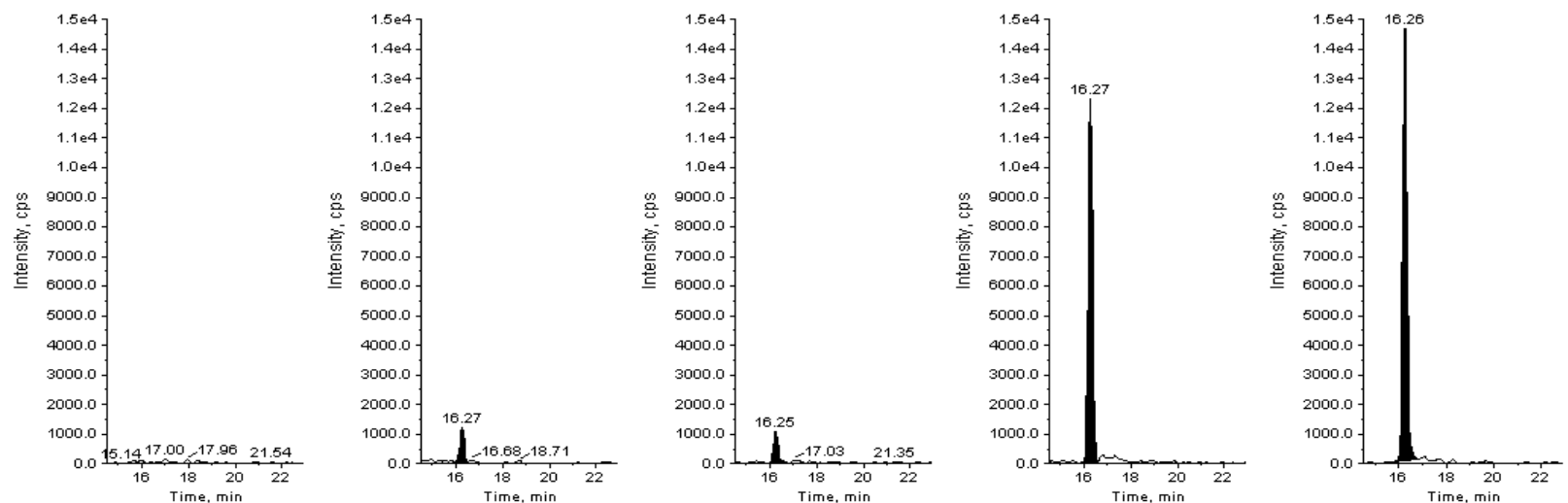


Figure: Second MRM of Tolclofos-methyl: 301 amu → 175 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

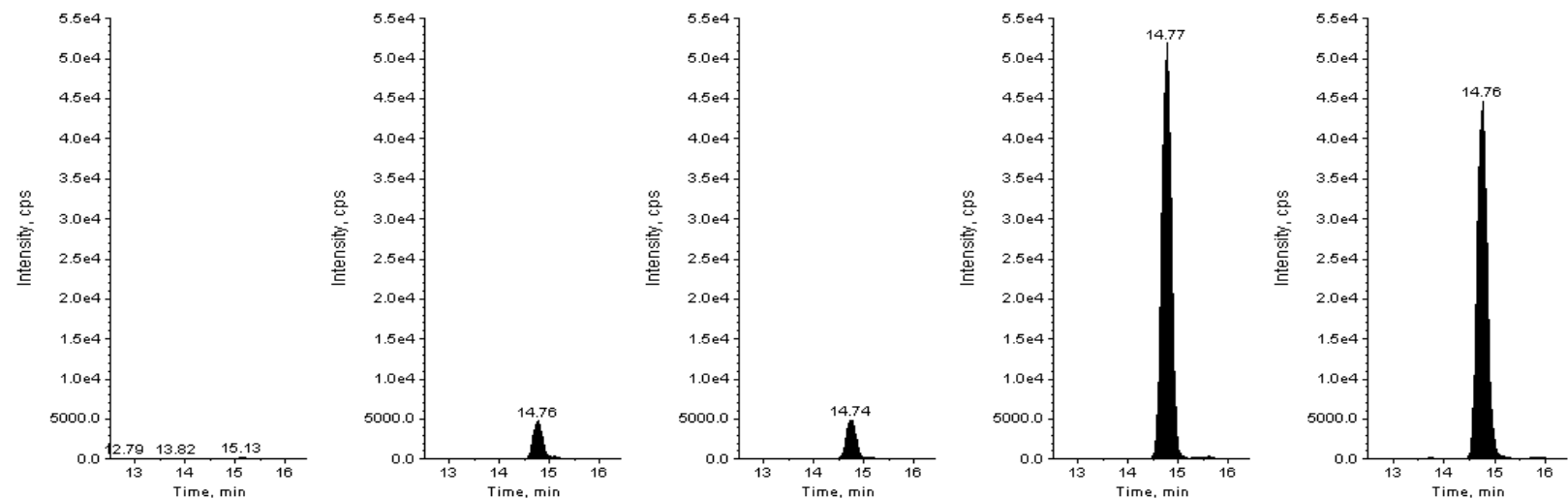


Figure: First MRM of Triadimefon: 294 amu → 197 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

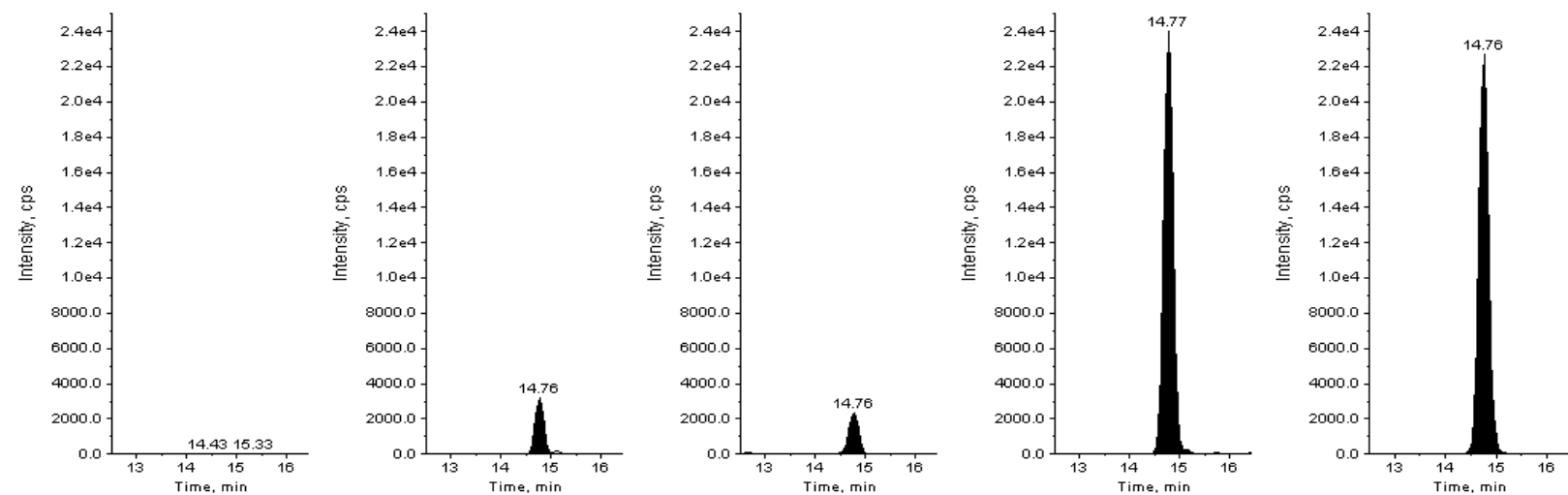


Figure: Second MRM of Triadimefon: 294 amu → 225 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

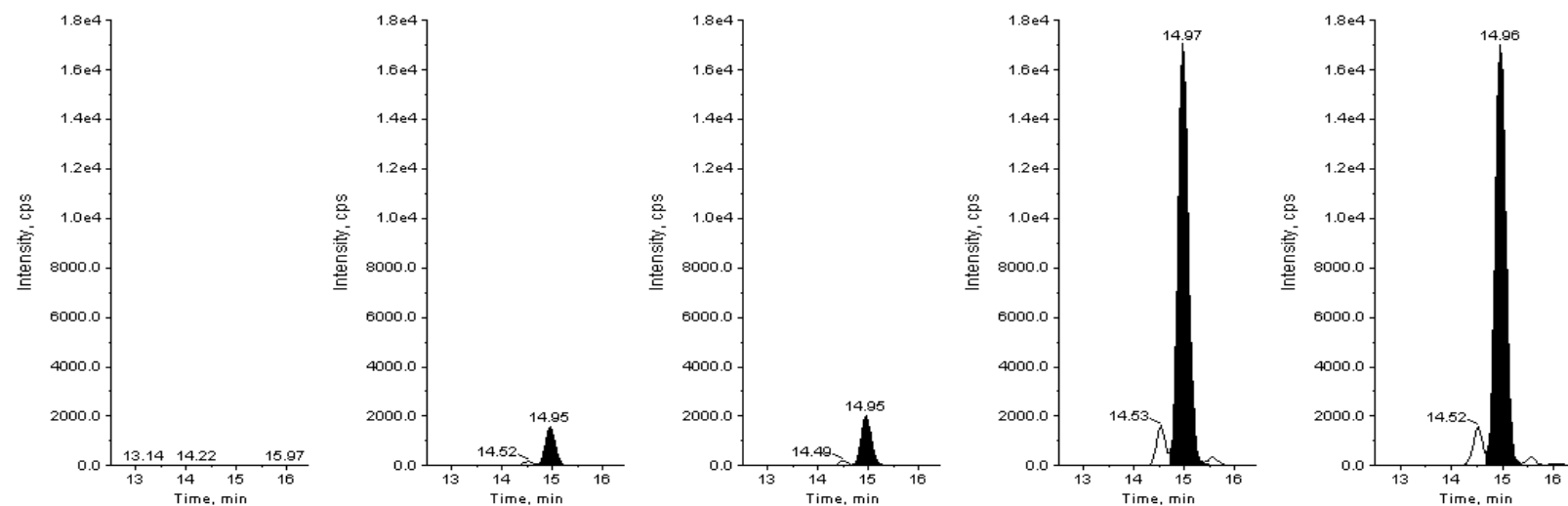


Figure: First MRM of Triadimenol: 296 amu $\rightarrow$ 70 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

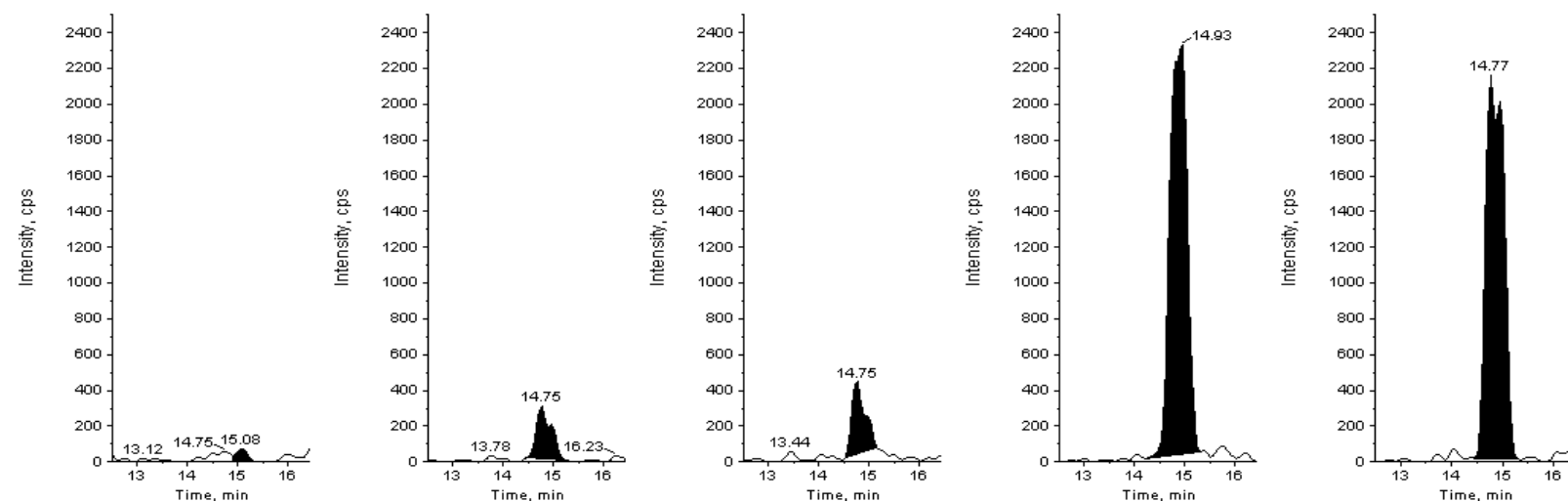


Figure: Second MRM of Triadimenol: 296 amu $\rightarrow$ 227 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

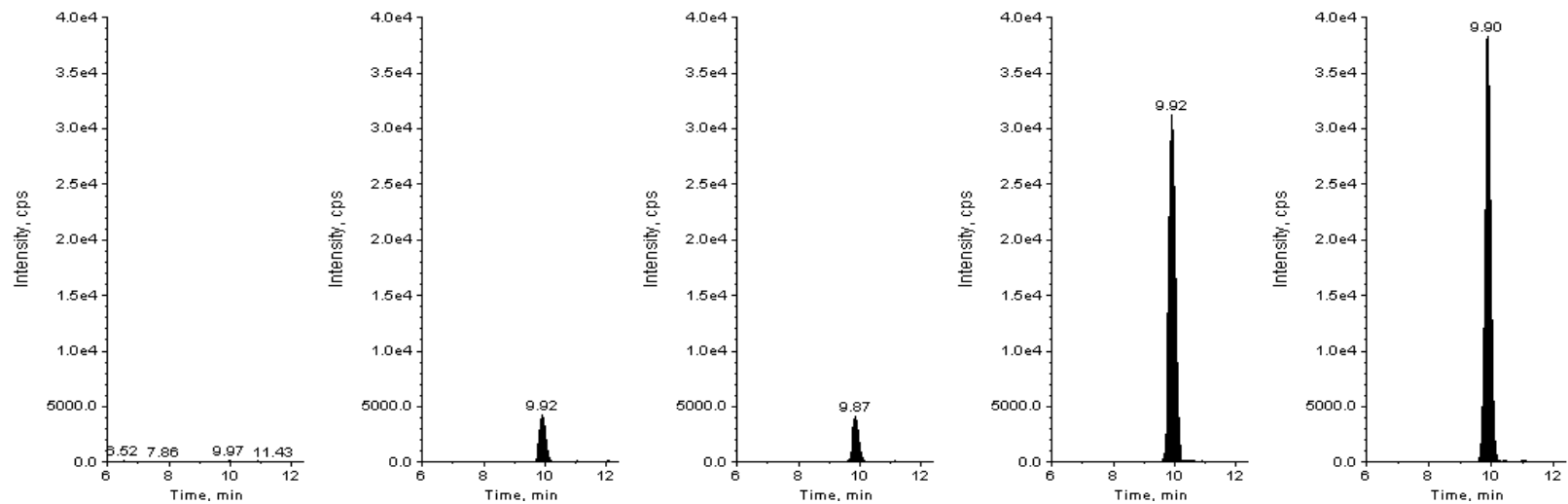


Figure: First MRM of Triasulfuron: 402 amu $\rightarrow$ 167 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

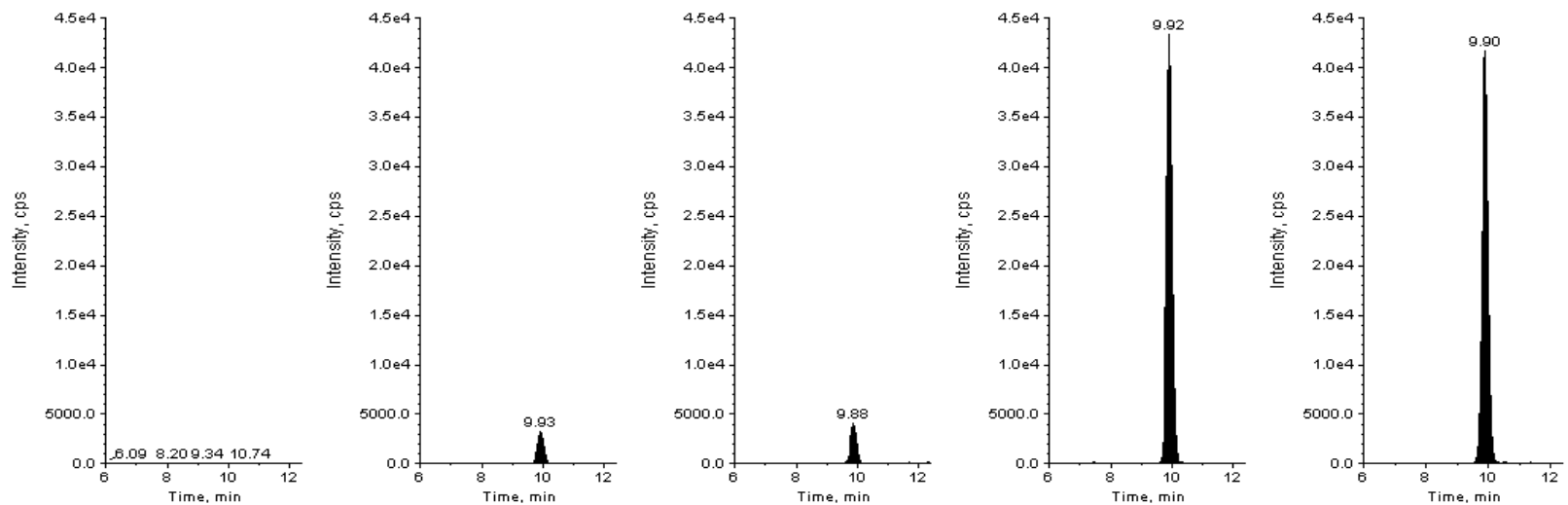


Figure: Second MRM of Triasulfuron: 402 amu $\rightarrow$ 141 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

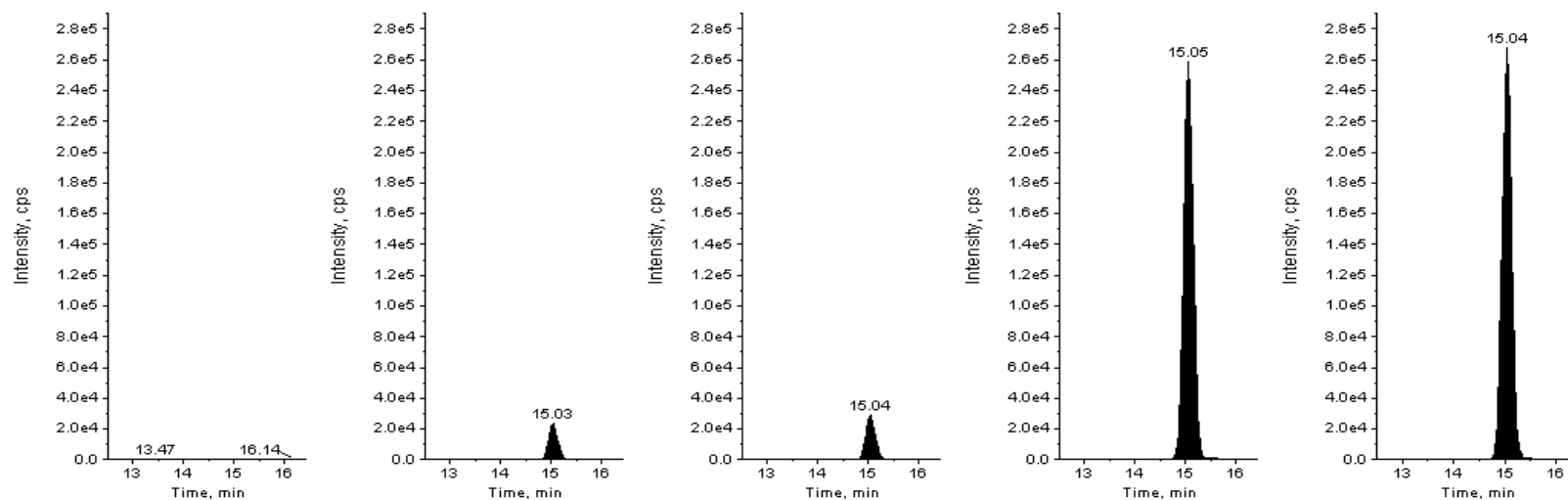


Figure: First MRM of Triazamate: 315 amu $\rightarrow$ 72 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

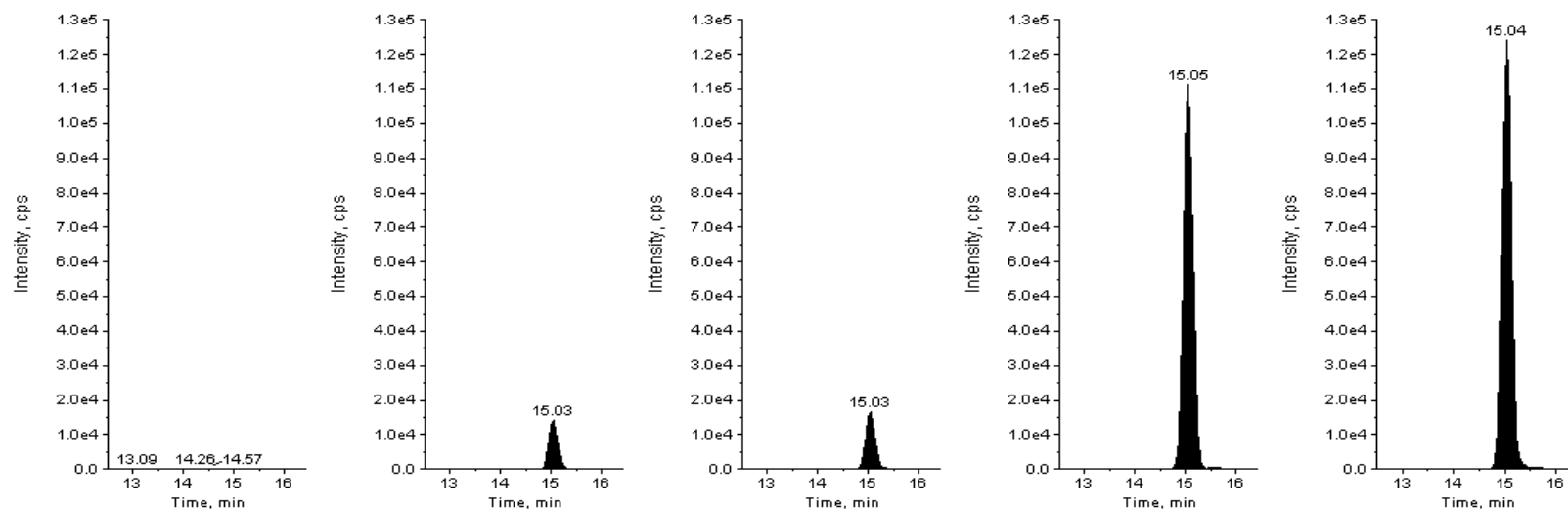


Figure: Second MRM of Triazamate: 315 amu $\rightarrow$ 226 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

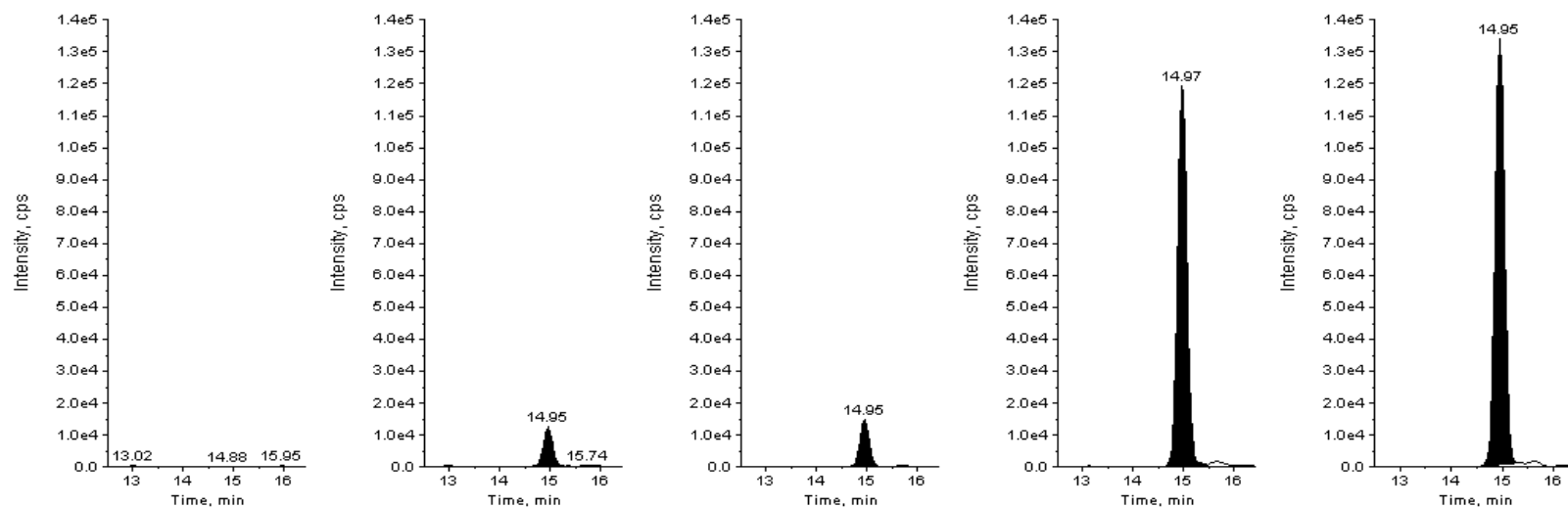


Figure: First MRM of Triazophos: 314 amu → 119 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

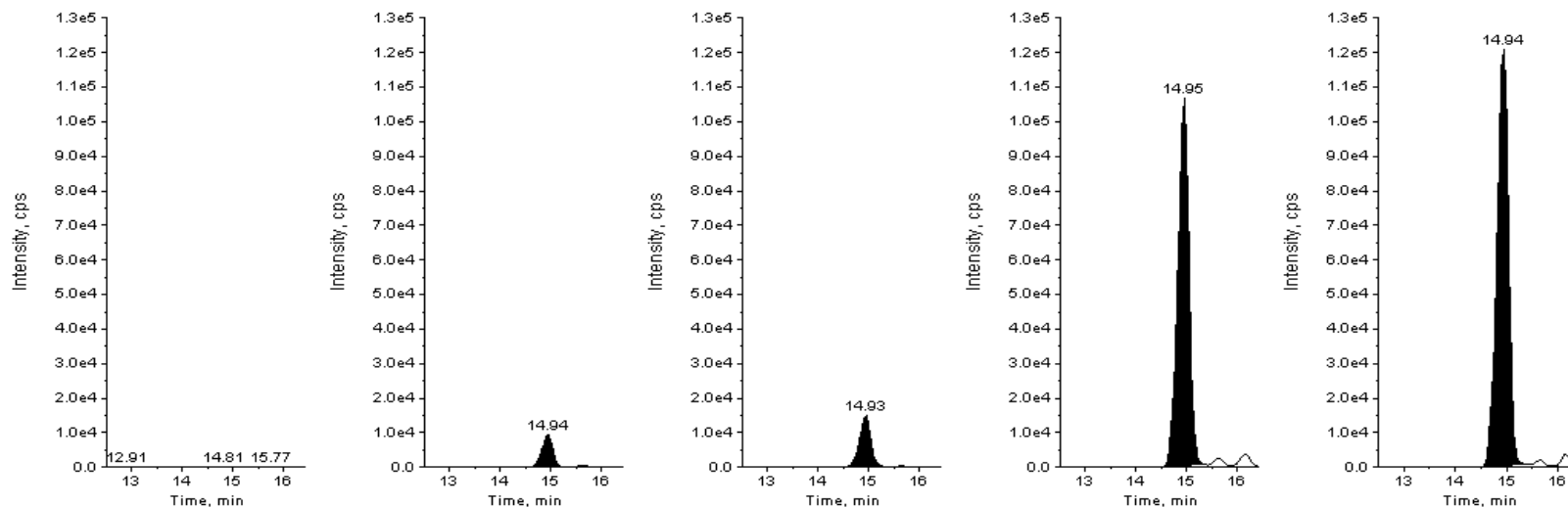


Figure: Second MRM of Triazophos: 314 amu → 162 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

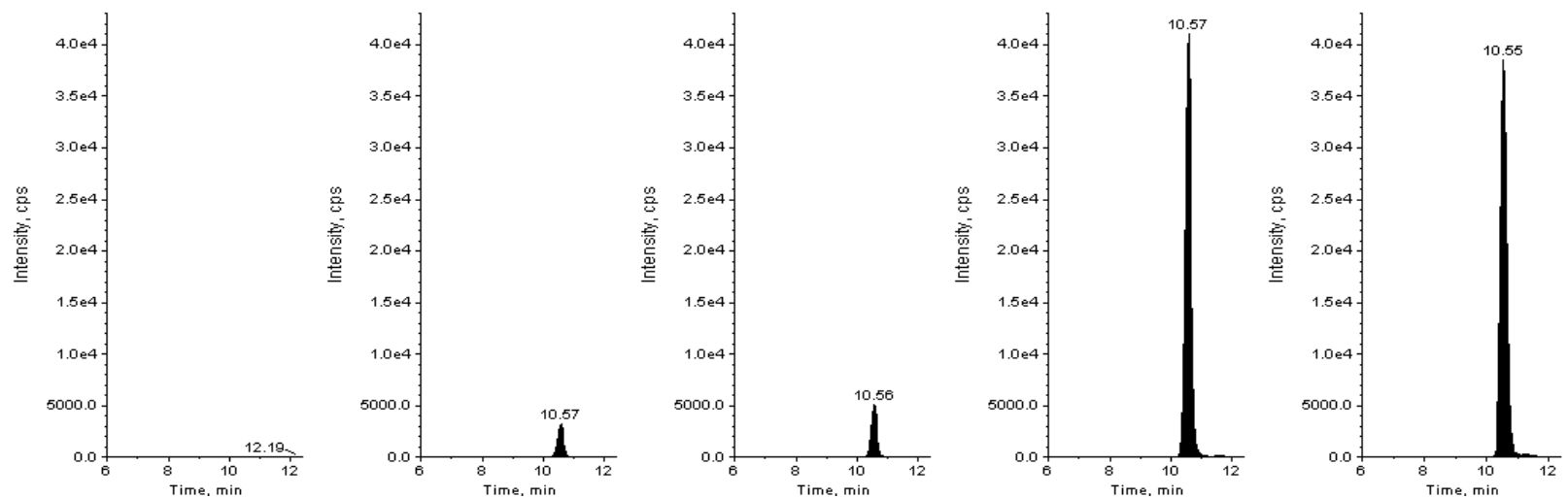


Figure: First MRM of Tricyclazole: 190 amu $\rightarrow$ 163 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

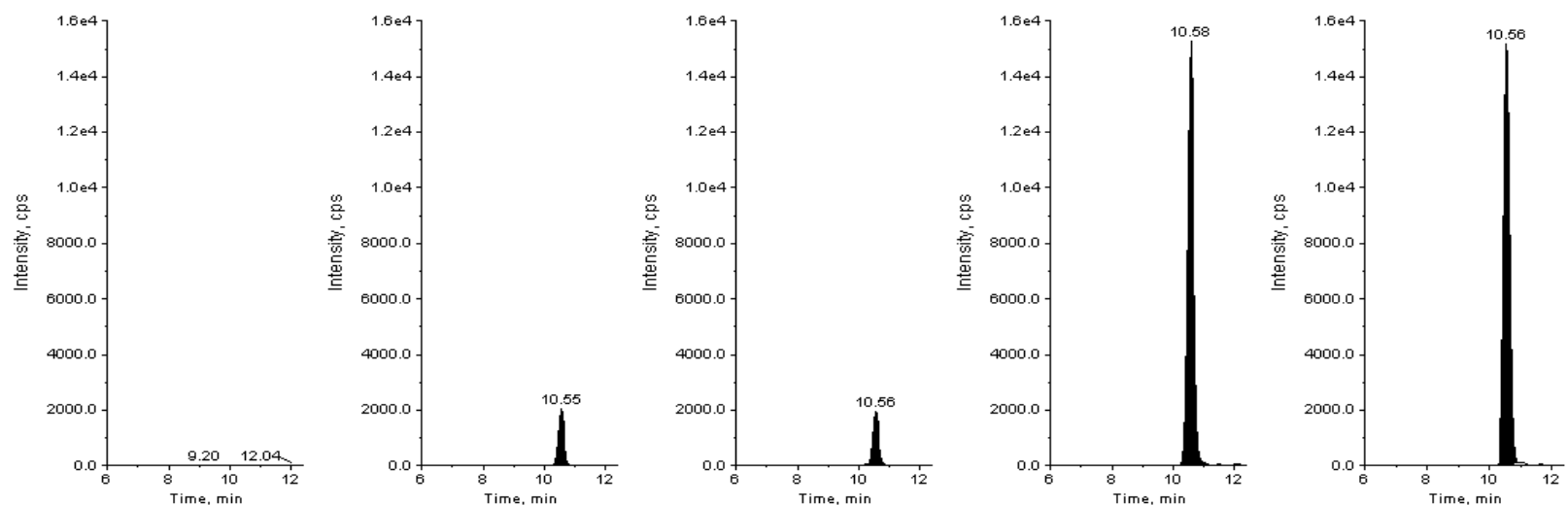


Figure: Second MRM of Tricyclazole: 190 amu $\rightarrow$ 136 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

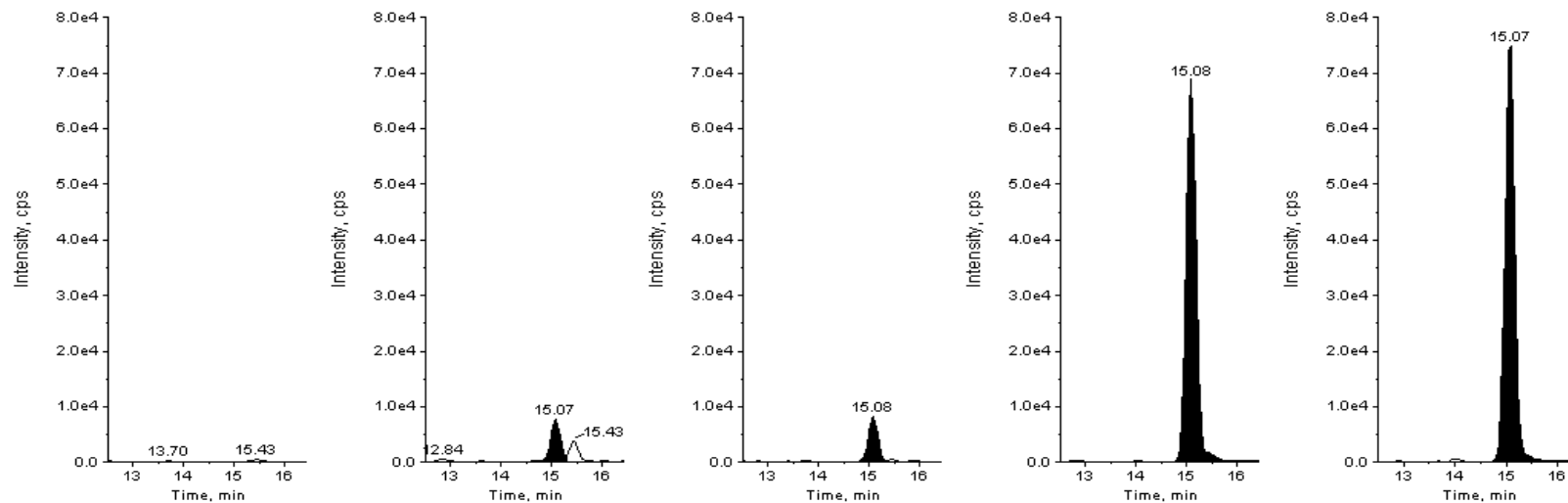


Figure: First MRM of Trietazine: 230 amu $\rightarrow$ 99 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

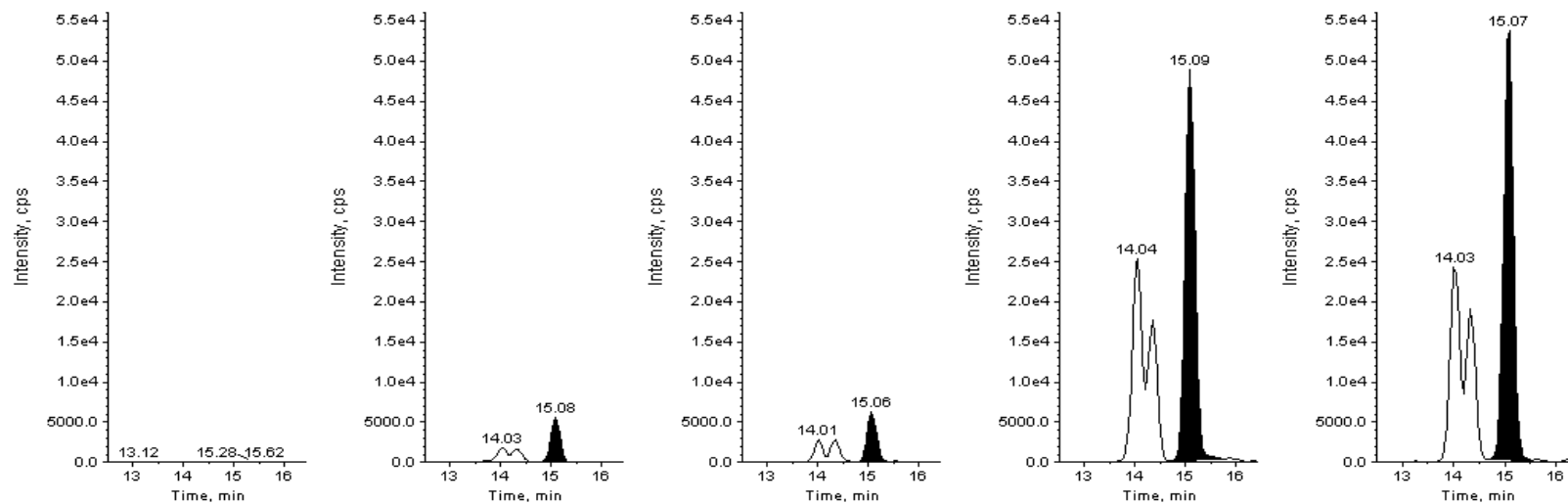


Figure: Second MRM of Trietazine: 230 amu $\rightarrow$ 132 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

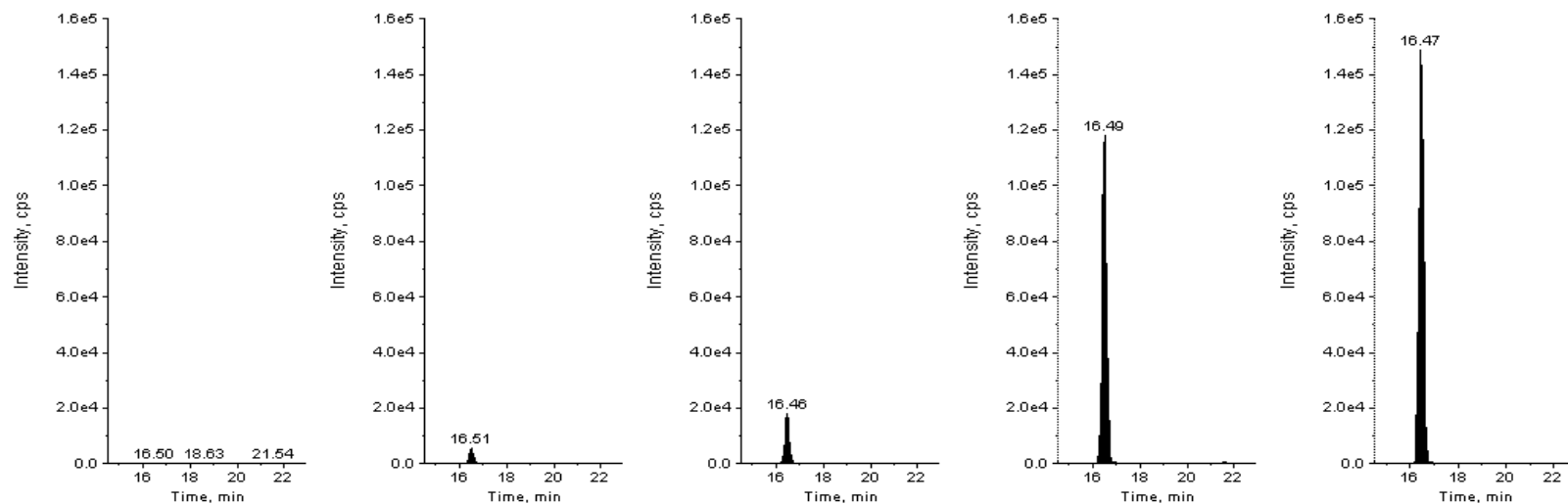


Figure: First MRM of Trifloxystrobin: 409 amu $\rightarrow$ 186 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

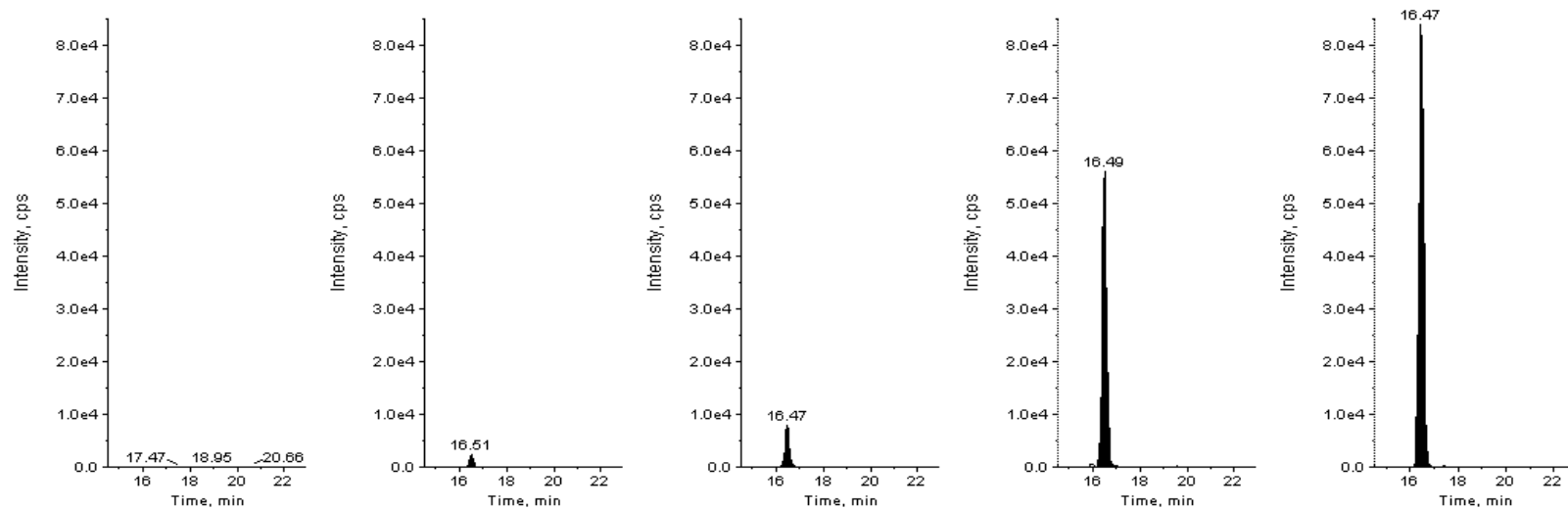


Figure: Second MRM of Trifloxystrobin: 409 amu $\rightarrow$ 206 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

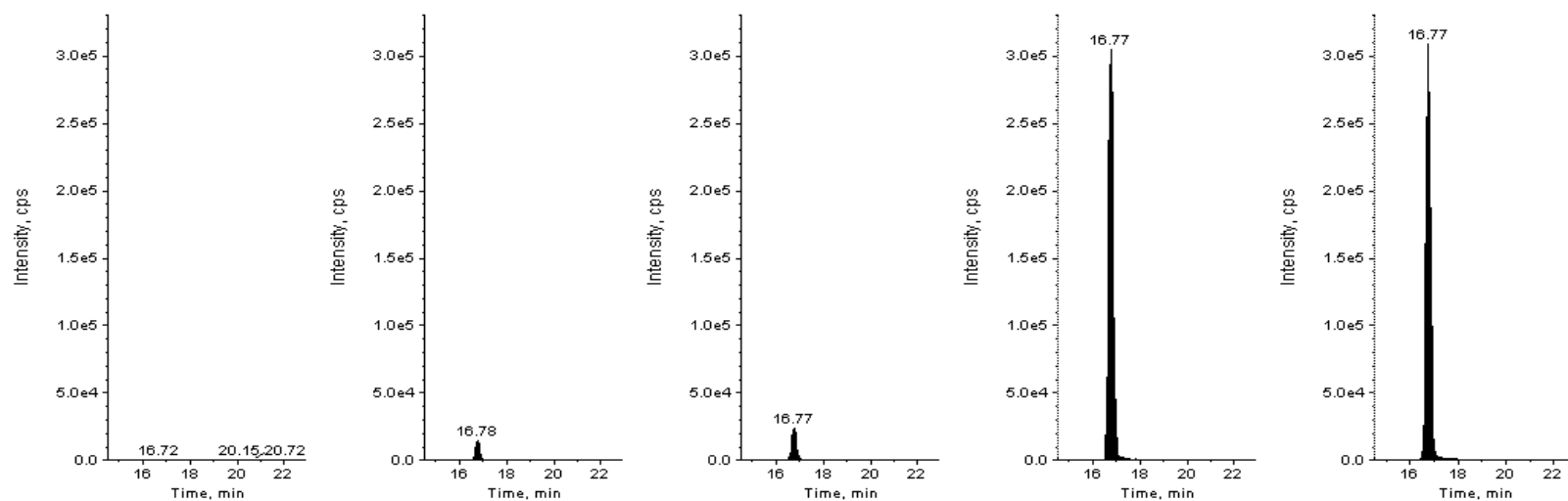


Figure: First MRM of Triflumizole: 346 amu → 278 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

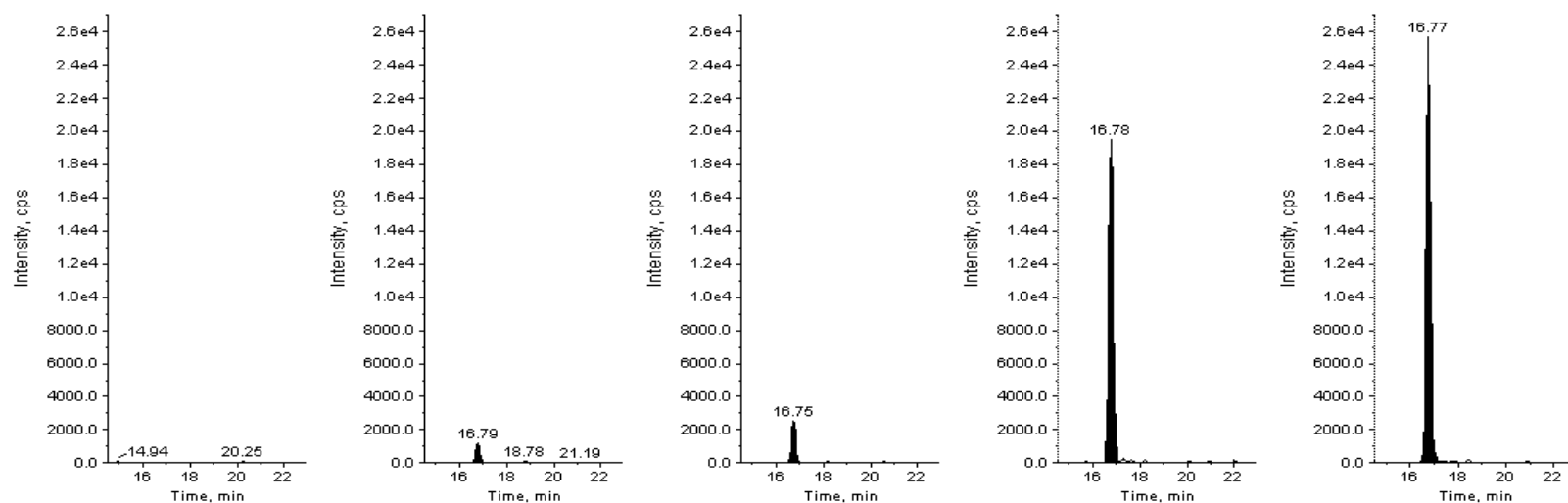


Figure: Second MRM of Triflumizole: 346 amu → 73 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

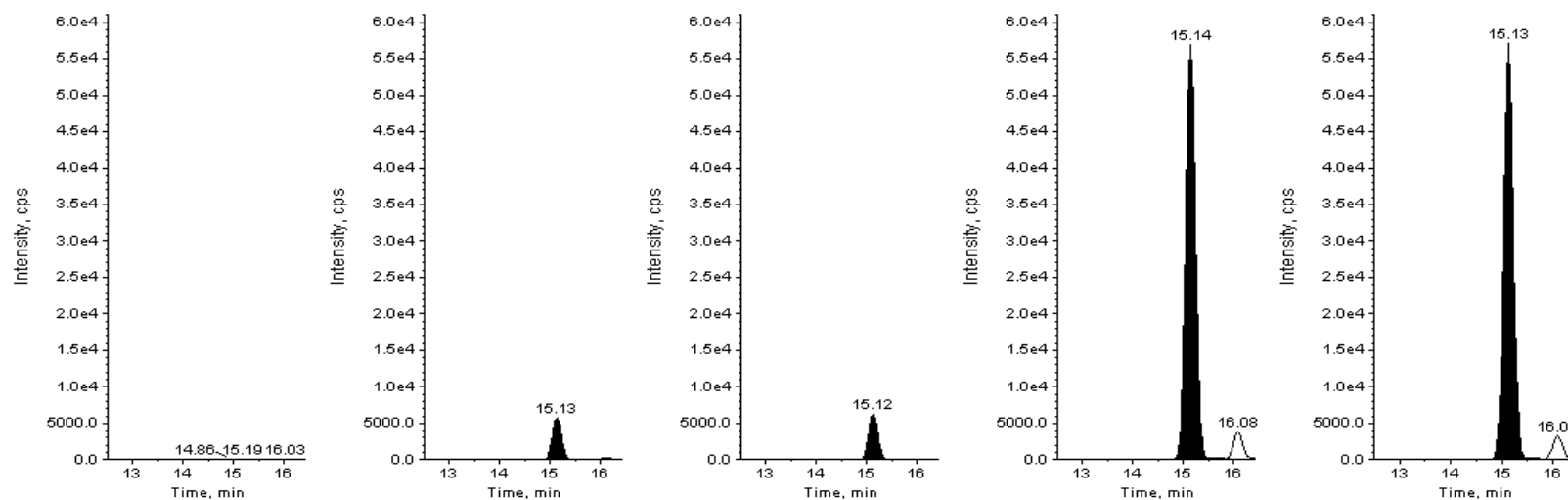


Figure: First MRM of Triticonazole: 318 amu → 70 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

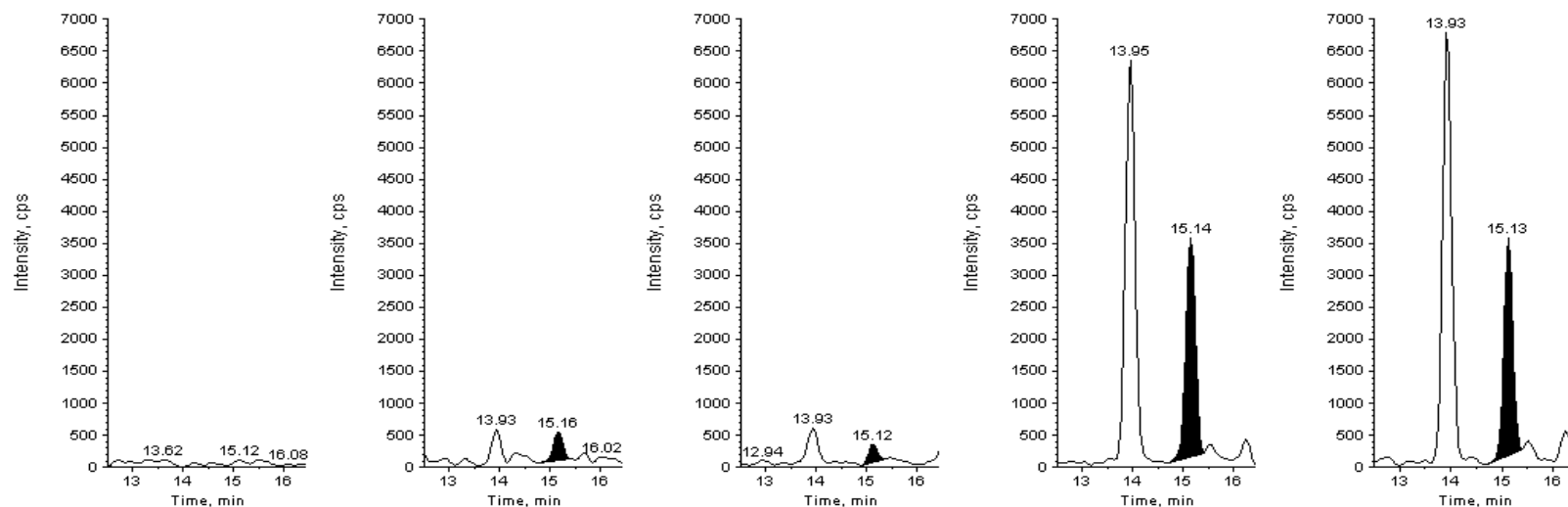


Figure: Second MRM of Triticonazole: 318 amu → 125 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

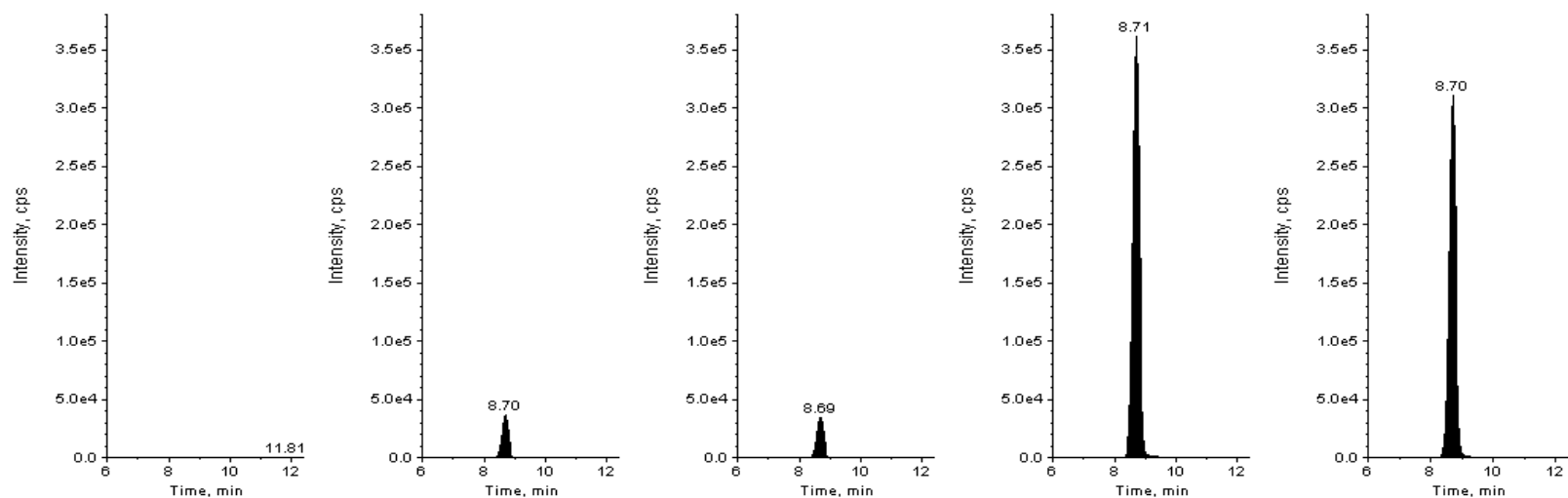


Figure: First MRM of Vamidothion: 288 amu → 146 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)

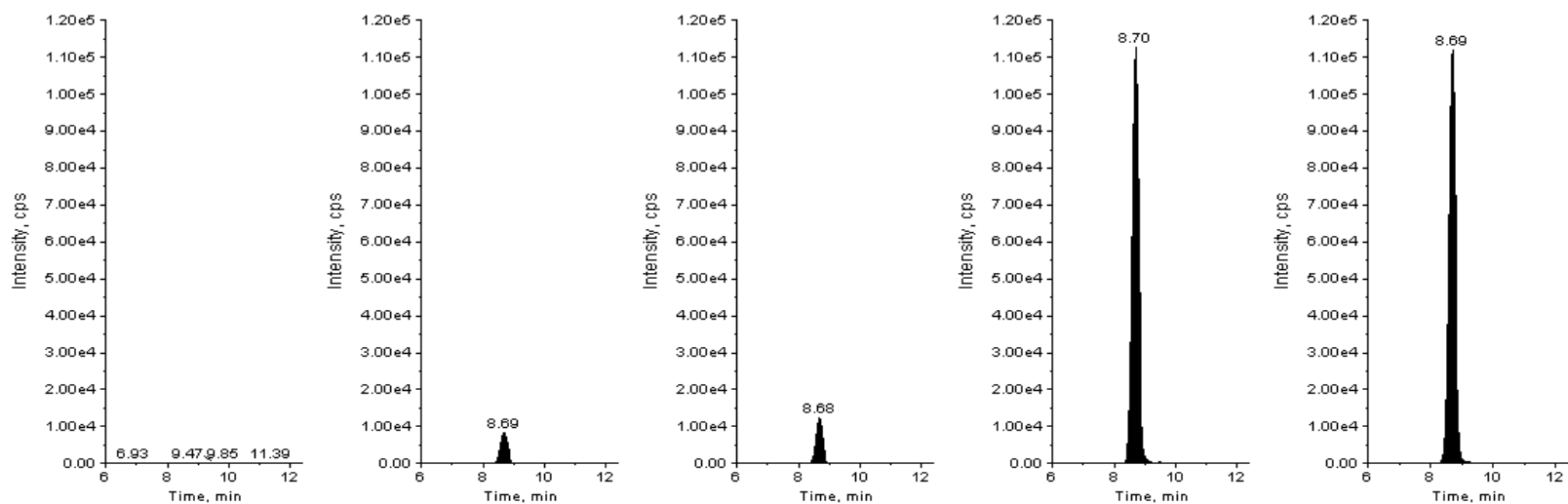


Figure: Second MRM of Vamidothion: 288 amu → 118 amu
(Control sample, standard 0.1 µg/L, spiked sample 0.1 µg/L, standard 1.0 µg/L, spiked sample 1.0 µg/L, from left to right)