

MS/MS Parameters of Pesticides

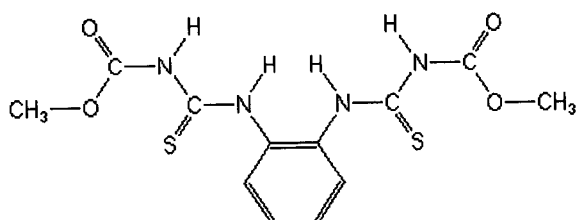
Analyte: Thiophanat-methyl

CAS No.: 23564-05-8

Formula: C₁₂H₁₄N₄O₄S₂

Molecular mass (lowest isotopes): 342,05 amu

Structure:



Ionisation: ESI +

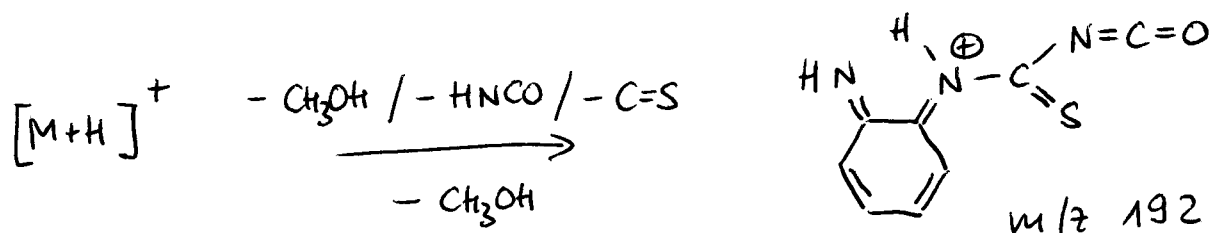
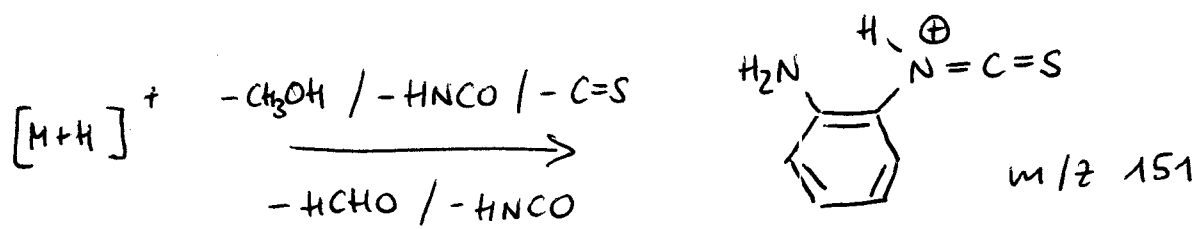
Quasimolecular ion: 343,0 amu = [M+H]⁺

Analyte sensitive parameter set (API 2000)

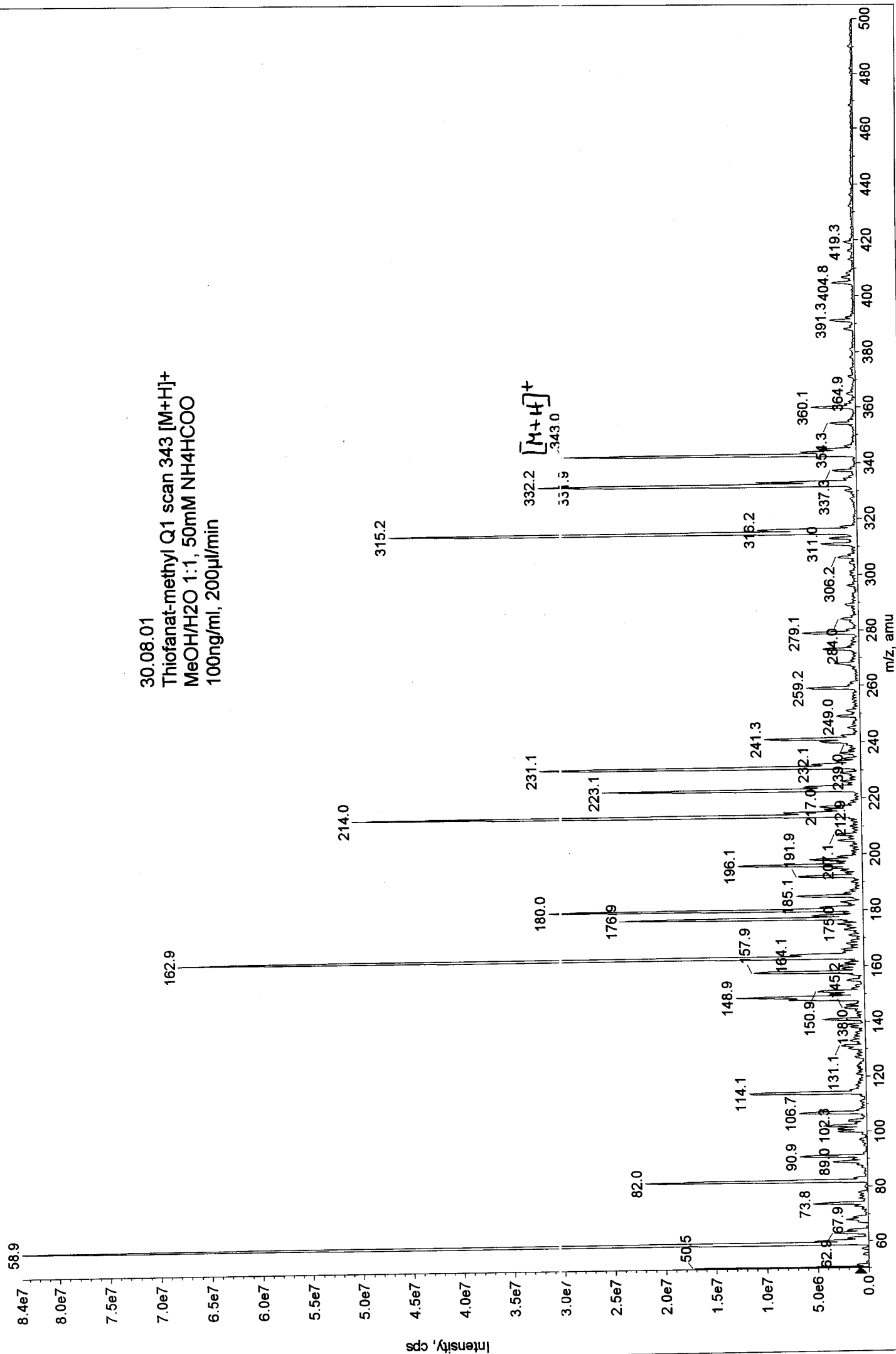
Transition	343,0 → 151 0	343,0 → 192,0
Declustering potential (DP) ^{*)}	26 V	26 V
Focusing potential (FP)	360 V	360 V
Entrance potential (EP)	10,5 V	10,0 V
Collision cell entrance potential (CEP)	22 V	22 V
Collision energy (CE)	25 V	21 V
Collision cell exit potential (CXP)	8 V	8 V

^{*)} For API 3000 and 4000 enhance DP by 20V

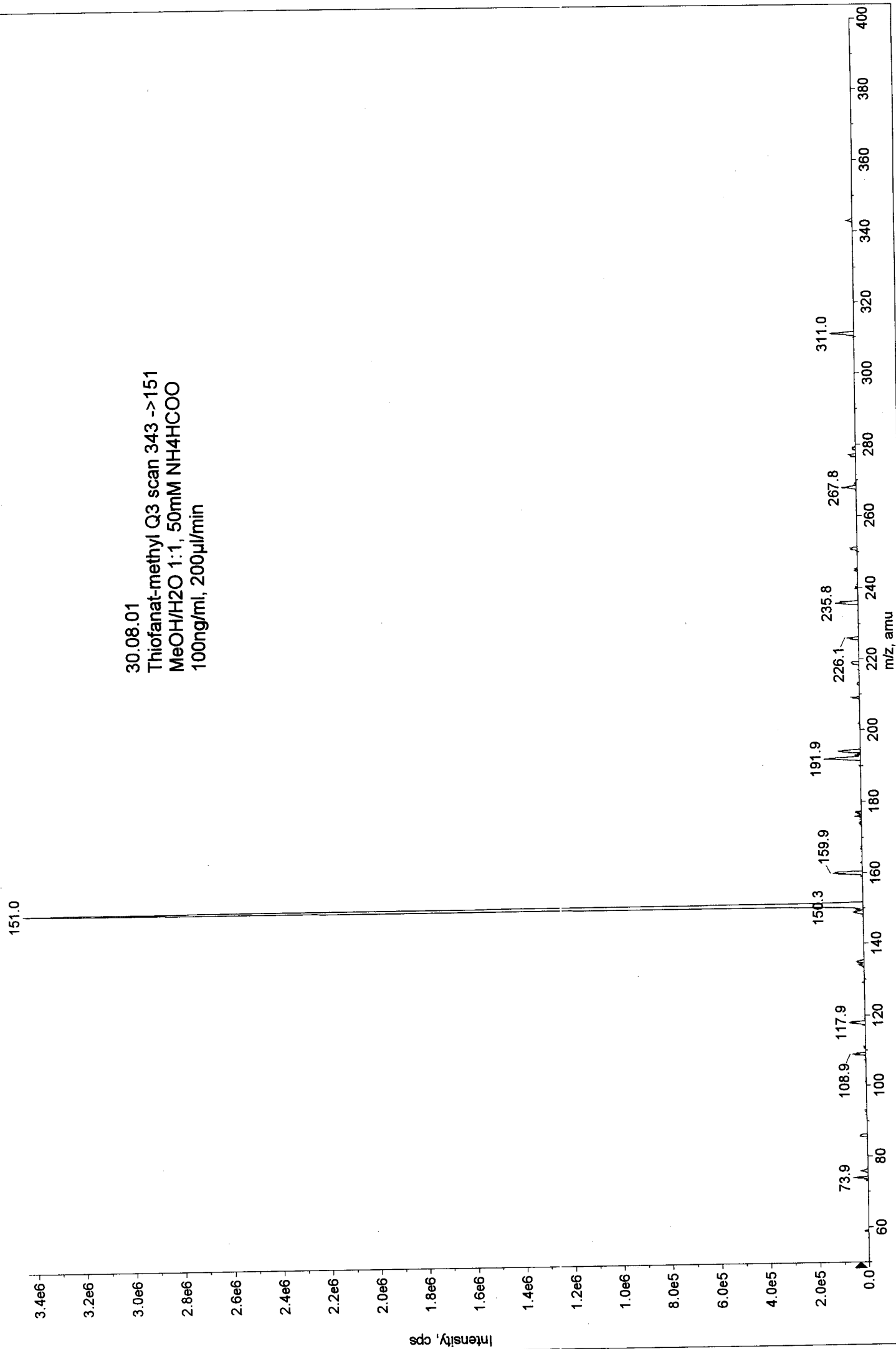
Fragmentation



30.08.01
Thiofanat-methyl Q1 scan 343 [M+H]⁺
MeOH/H₂O 1:1, 50mM NH₄HCOO
100ng/ml, 200µl/min



30.08.01
Thiofanat-methyl Q3 scan 343 ->151
MeOH/H2O 1:1, 50mM NH4HCOO
100ng/ml, 200µl/min



31.08.01
Thiofanat-methyl192 Q3 scan 343 ->192
MeOH/H2O 1:1, 50mM NH4HCOO
100ng/ml, 200ul/min

