

~~clethodim~~ 5-HYDROXY - CLETHODIM - SULFON

STATUS: ISO 1750 (published)

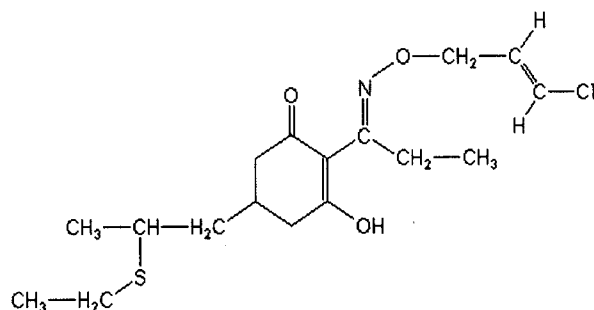
IUPAC: ~~(2S)-2-[(E)-1-[(E)-2-chloroallyloxymino]propyl]-5-[2-(ethylthio)propyl]-2-hydroxycyclohex-2-en-1-one~~CAS: ~~2-[(1E)-1-[[[(2E)-2-chloro-2-propenyl]oxy]imino]propyl]-5-[2-(ethylthio)propyl]-2-hydroxy-2-cyclohexen-1-one~~REG. NO.: ~~00120-21-2~~FORMULA: ~~C₁₇H₂₆ClNO₃S~~ C₁₇H₂₆ClNO₆S

MG 407.1

ACTIVITY: herbicides (cyclohexene oxime herbicides)

NOTES:

STRUCTURE:

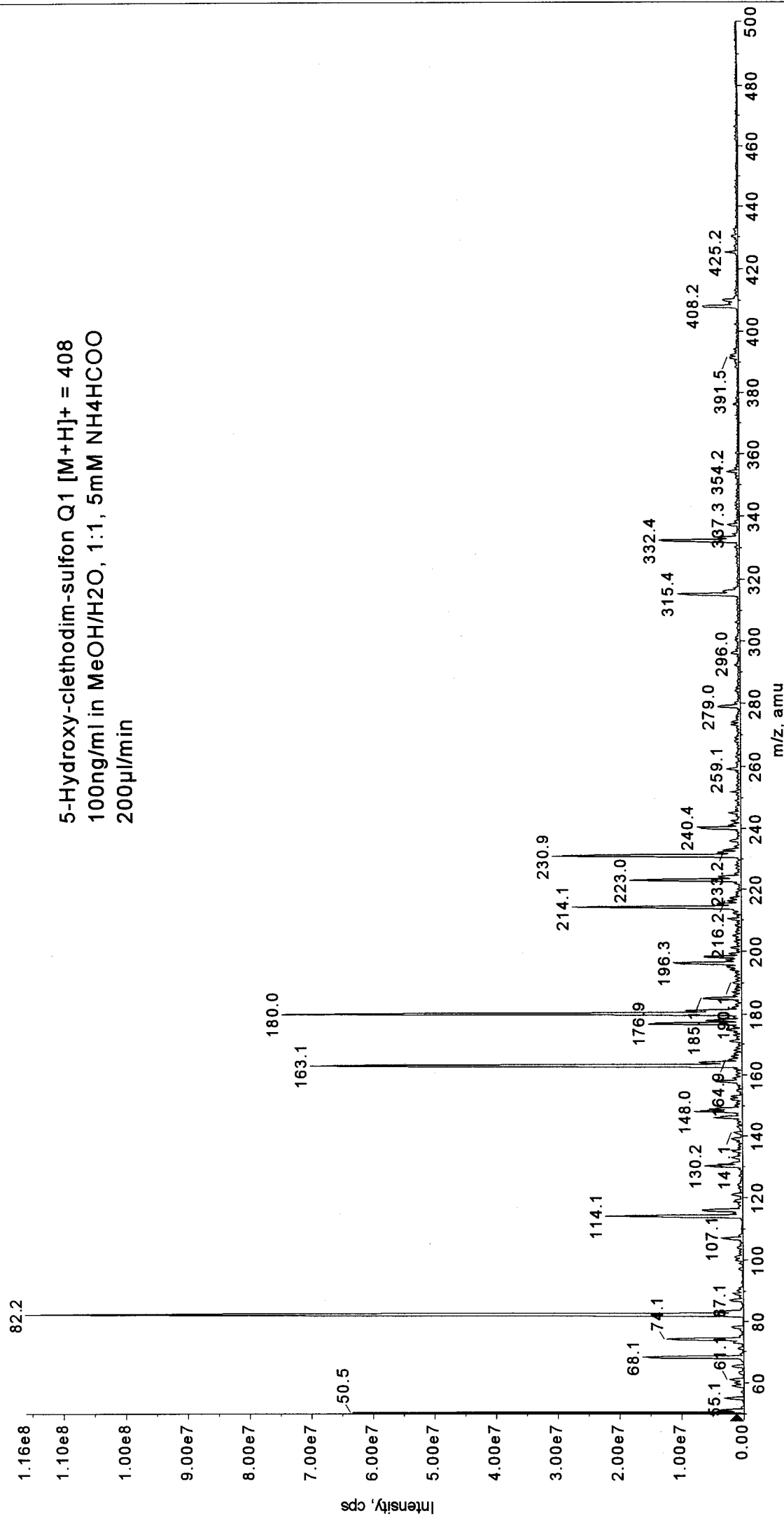


$$[M+H]^+ = 408$$

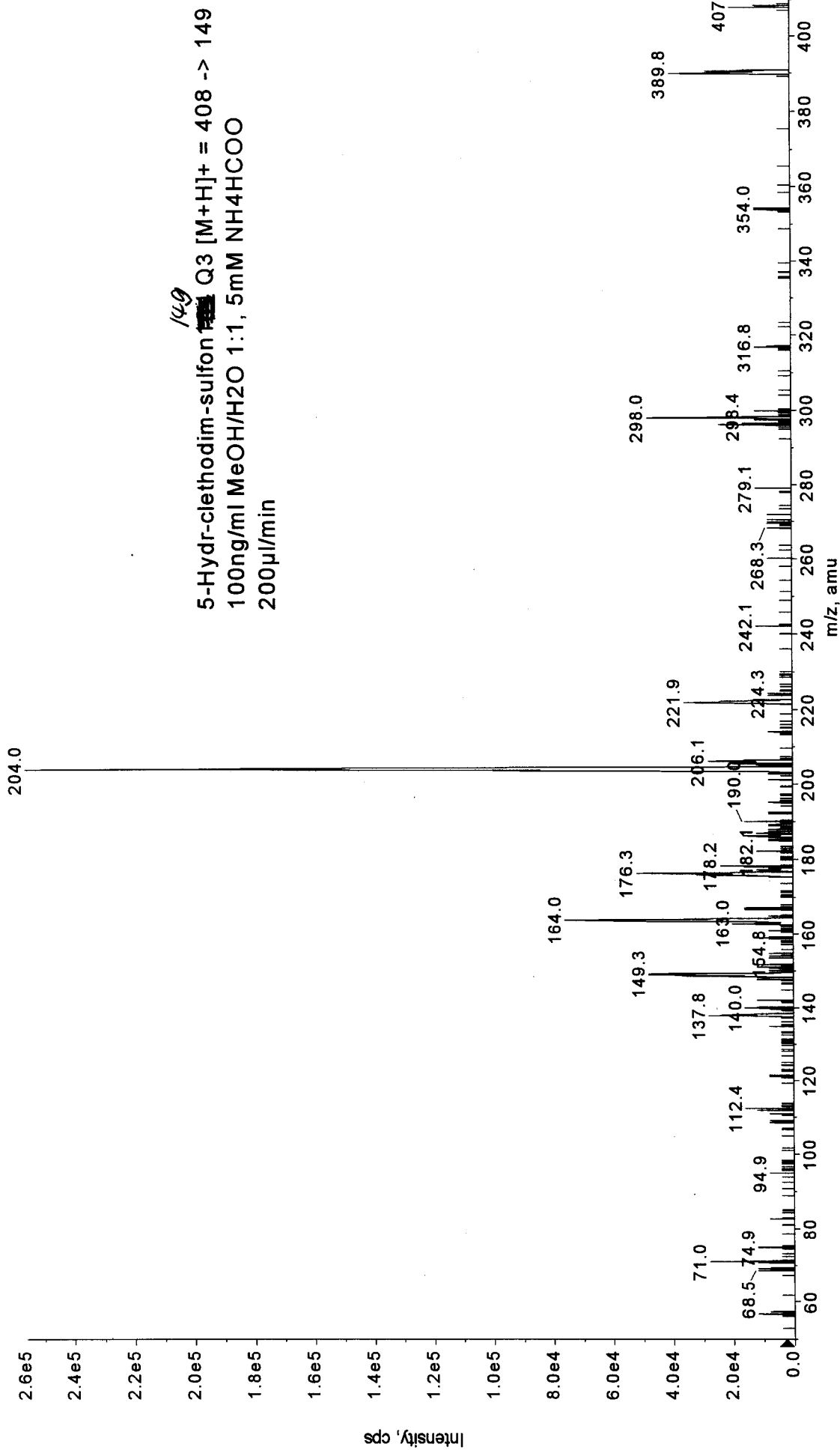
$$408 \rightarrow 149$$

$$408 \rightarrow 204$$

*Q1 36 MCA scans from Sample 1 of MT20020306135616.wiff Max: 1.2e6 cps



*Product (408.1): 30 MCA scans from Sample 1 of MT20020306151251.wiff Max 2.6e5 cps



Printing Date: 06 March 2002
Printing Time: 15:12:31

Acq. Date: n/a
Acq. Time: n/a
Acq. File: n/a

Sample Comment: n/a
Sample Name: n/a
Batch Name: n/a

State Parameter Editor[]

Ion Source: Turbo IonSpray

Temperature Reached

Curtain Gas (CUR) 35.0

Collision Gas (CAD) 2

IonSpray Voltage (IS) 5500.0

Temperature (TEM) 350.0

Ion Source Gas 1 (GS1) 60.0

Ion Source Gas 2 (GS2) 60.0

Interface Heater (ihe) On

Decustering Potential (DP) 51.0

Focusing Potential (FP) 360.0

Entrance Potential (EP) -7.5

Collision Energy (CE) 25.0

Collision Cell Exit Potential (CXP) 8.0

Resolution: Unit Resolution

Q3 Resolution: Unit Resolution

Ion Energy 1 (IE1) 0.8

Ion Energy 3 (IE3) 1.0

Detector (DP) -150.0

CEM (CEM) 2300.0

Mass Spectrometer Method Properties

Period: 1

Duration: 0.003 mins

Cycle Time: 0.155 secs

Cycles: 1

Period Delay: 0.00 secs

Period: 1 Experiment: 1

Scan Mode: None

Scan Type: Positive MRM

Resolution Q1: UNIT

Resolution Q3: UNIT

Intensity Thres.: 0.00 cps

Smart Settling: Off

Settling Time: 0.00 ms

MR Pause: 5.00 ms

MCA: No

CUR: 35.00

IS: 5500.00

TEM: 350.00

GS1: 60.00

GS2: 60.00

ihe: 1.00

CAD: 2.00

Step Size: 0.00 amu

Q1 Mass (amu)	Q3 Mass	Time (msec)	Param	Start	Stop
408.09	148.99	150.00	DP	51.00	51.00
			FP	360.00	360.00
			EP	-7.50	-7.50
			CEP	22.00	22.00
			CE	25.00	25.00
			CXP	8.00	8.00

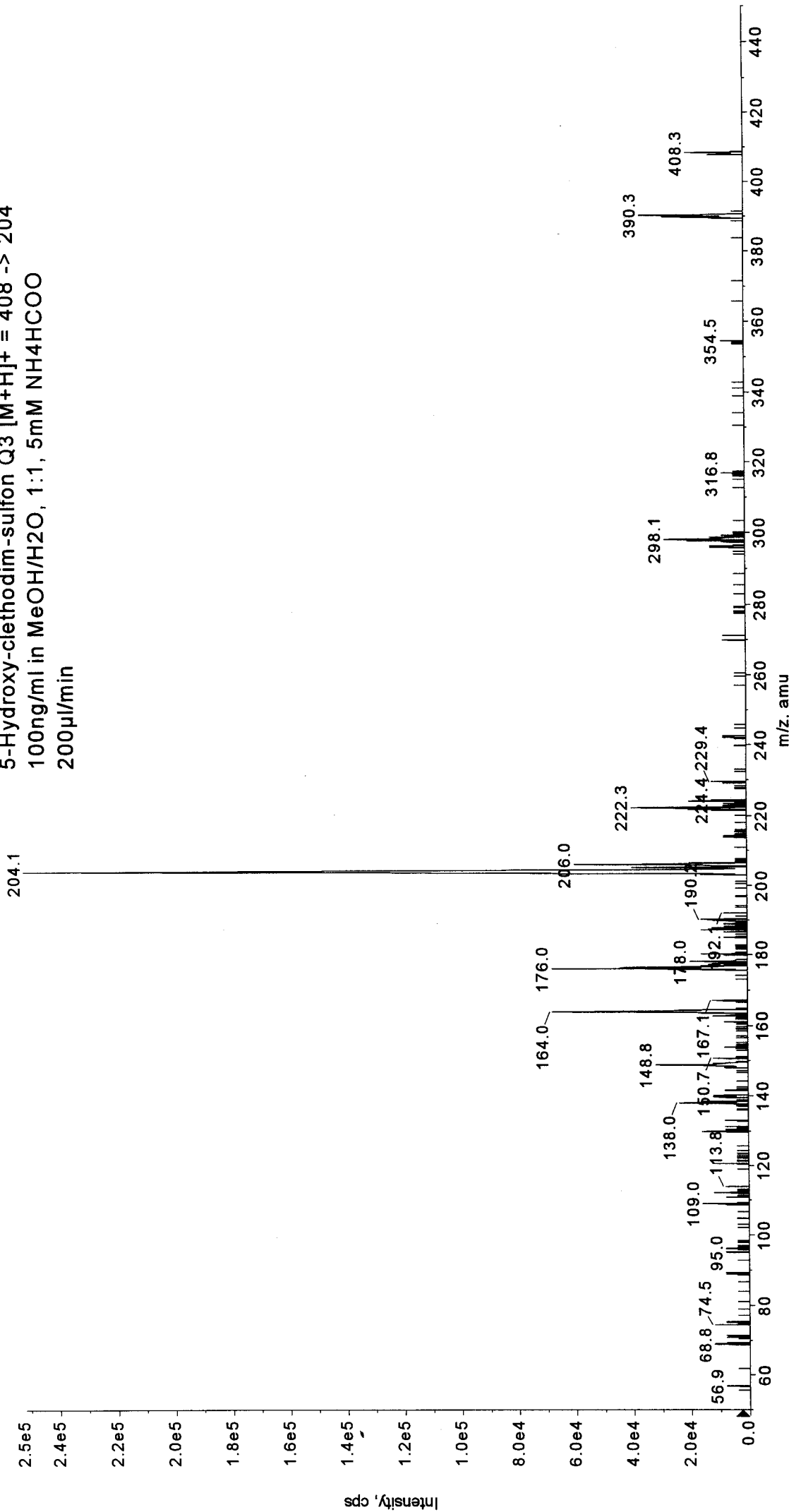
Printing Date: 06 March 2002
Printing Time: 14:00:32

Acq. Date: Wednesday, March 06, 2002
Acq. Time: 13:59
Acq. File: MT20020306135926.wiff

Sample Comment:
Sample Name:
Batch Name: n/a

*Product (408.0): 30 MCA scans from Sample 1 of MT20020306135926.wiff Max: 2.5e6 cps

5-Hydroxy-clethodim-sulfon Q3 [M+H]⁺ = 408 -> 204
100ng/ml in MeOH/H₂O, 1:1, 5mM NH₄HCOO
200µl/min



State Parameter Editor

Ion Source: Turbo IonSpray
 Temperature Reached
 Curtain Gas (CUR) 35.0
 Collision Gas (CAD) 2
 IonSpray Voltage (IS) 5500.0
 Temperature (TEM) 350.0
 Ion Source Gas 1 (GS1) 60.0
 Ion Source Gas 2 (GS2) 60.0
 Interface Heater (ihe) On

 Decustering Potential (DP) 46.0
 Focusing Potential (FP) 330.0
 Entrance Potential (EP) -9.5
 Collision Energy (CE) 25.0
 Collision Cell Exit Potential (CXP) 10.0

 Resolution: Unit Resolution
 Q3 Resolution: Unit Resolution
 Ion Energy 1 (IE1) 0.8
 Ion Energy 3 (IE3) 1.0

 Deflector (DF) -150.0
 CEM (CEM) 2300.0

Mass Spectrometer Method Properties

Period: 1
 Duration: 0.003 mins
 Cycle Time: 0.155 secs
 # Cycles: 1
 Period Delay: 0.00 secs

 Period: 1 Experiment: 1
 Scan Mode: None
 Scan Type: Positive MRM
 Resolution Q1: UNIT
 Resolution Q3: UNIT
 Intensity Thres.: 0.00 cps
 Smart Settling: Off
 Settling Time: 0.00 ms
 MR Pause: 5.00 ms
 MCA: No
 CUR: 35.00
 IS: 5500.00
 TEM: 350.00
 GS1: 60.00
 GS2: 60.00
 ihe: 1.00
 CAD: 2.00
 Step Size: 0.00 amu

Q1 Mass (amu)	Q3 Mass	Time (msec)	Param	Start	Stop
408.03	204.13	150.00	DP	46.00	46.00
			FP	330.00	330.00
			EP	9.50	-9.50
			CEP	22.00	22.00
			CE	25.00	25.00
			CXP	10.00	10.00