

MS/MS Parameters of Pesticides

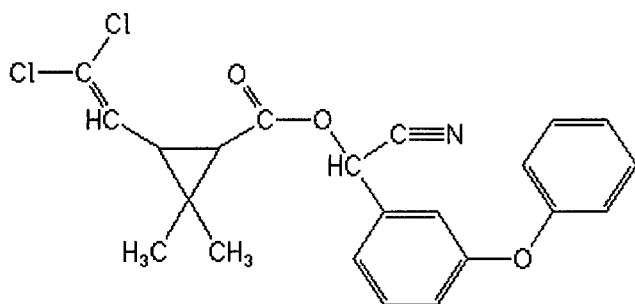
Analyte: Cypermethrin

CAS No.: 52315-07-8

Formula: C₂₂H₁₉Cl₂NO₃

Exact molecular mass (lowest isotopes): 415,07 amu

Structure:



Ionisation: ESI +

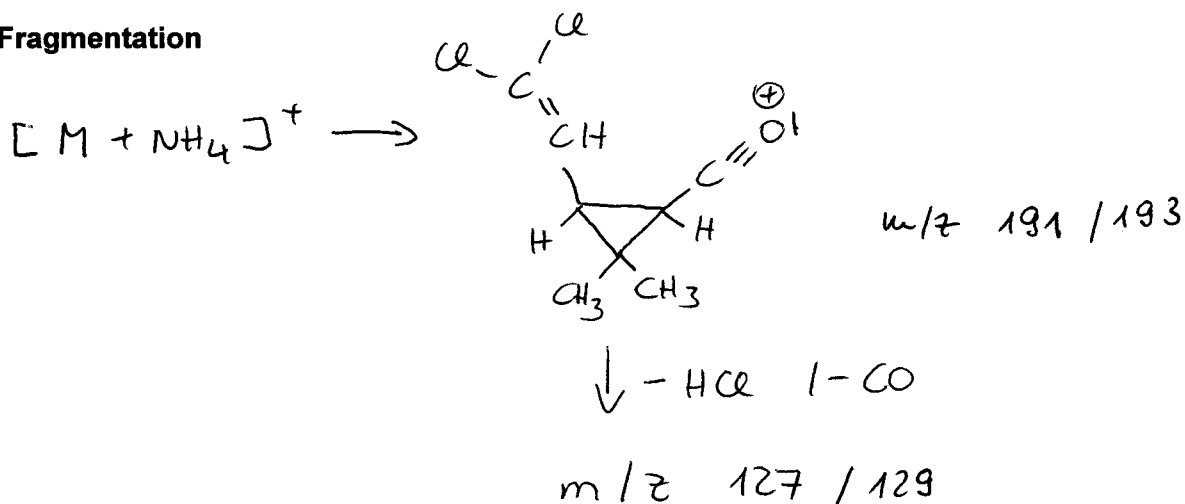
Quasimolecular ion: 433,1 amu = [M+NH₄]⁺

Analyte sensitive parameter set (API 2000)

Transition	433,1 → 191,0	433,1 → 127,0
Declustering potential (DP) ^{*)}	11V	11 V
Focusing potential (FP)	360 V	350 V
Entrance potential (EP)	11,0 V	11,0 V
Collision cell entrance potential (CEP)	20 V	26 V
Collision energy (CE)	21 V	39 V
Collision cell exit potential (CXP)	10 V	6 V

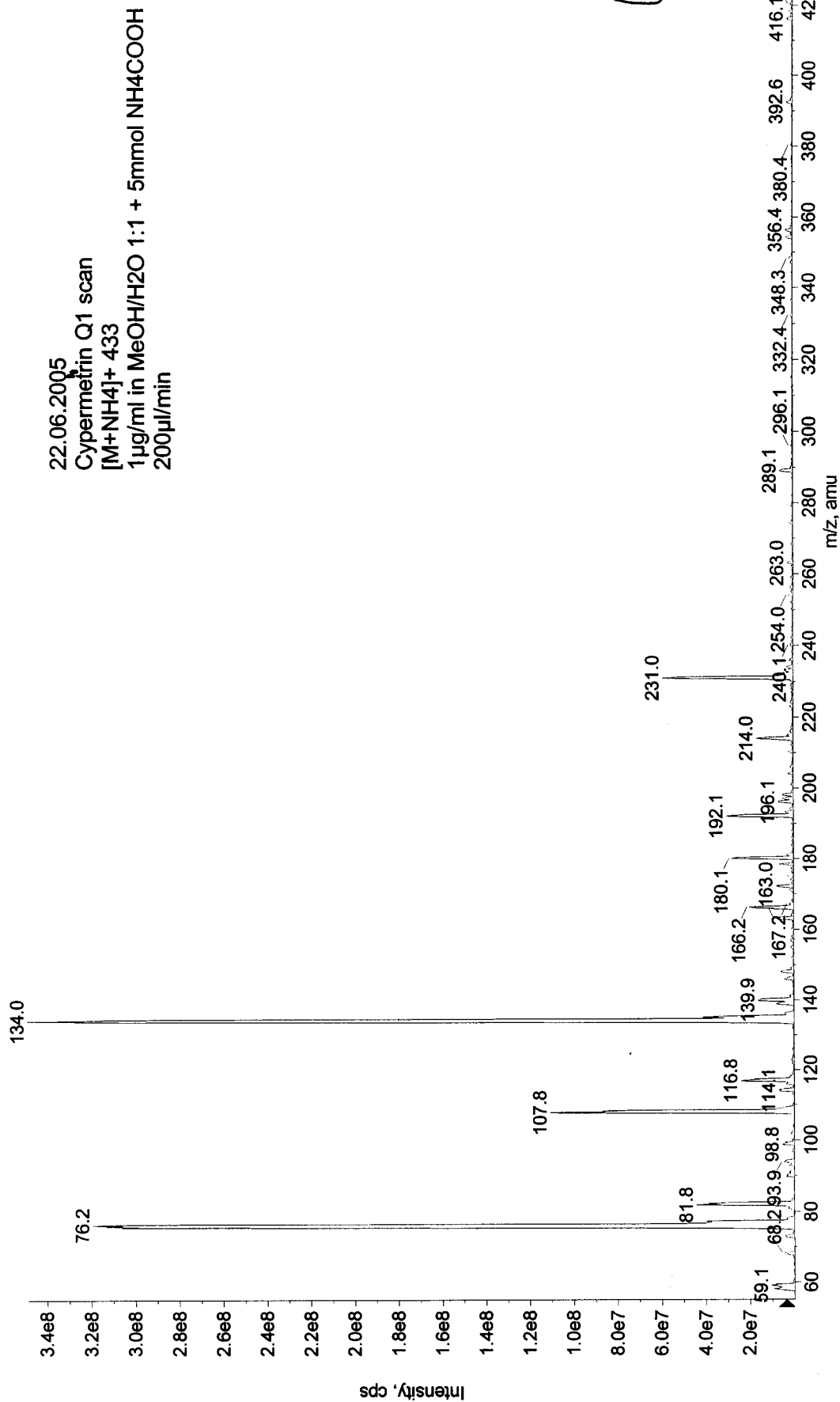
^{*)} For API 3000 and 4000 enhance DP by 20V

Fragmentation



+Q1: 30 MCA scans from Sample 1 (TuneSampleID) of MT20050622144328.wiff (Turbo Spray)

Max. 3.5e8 cps



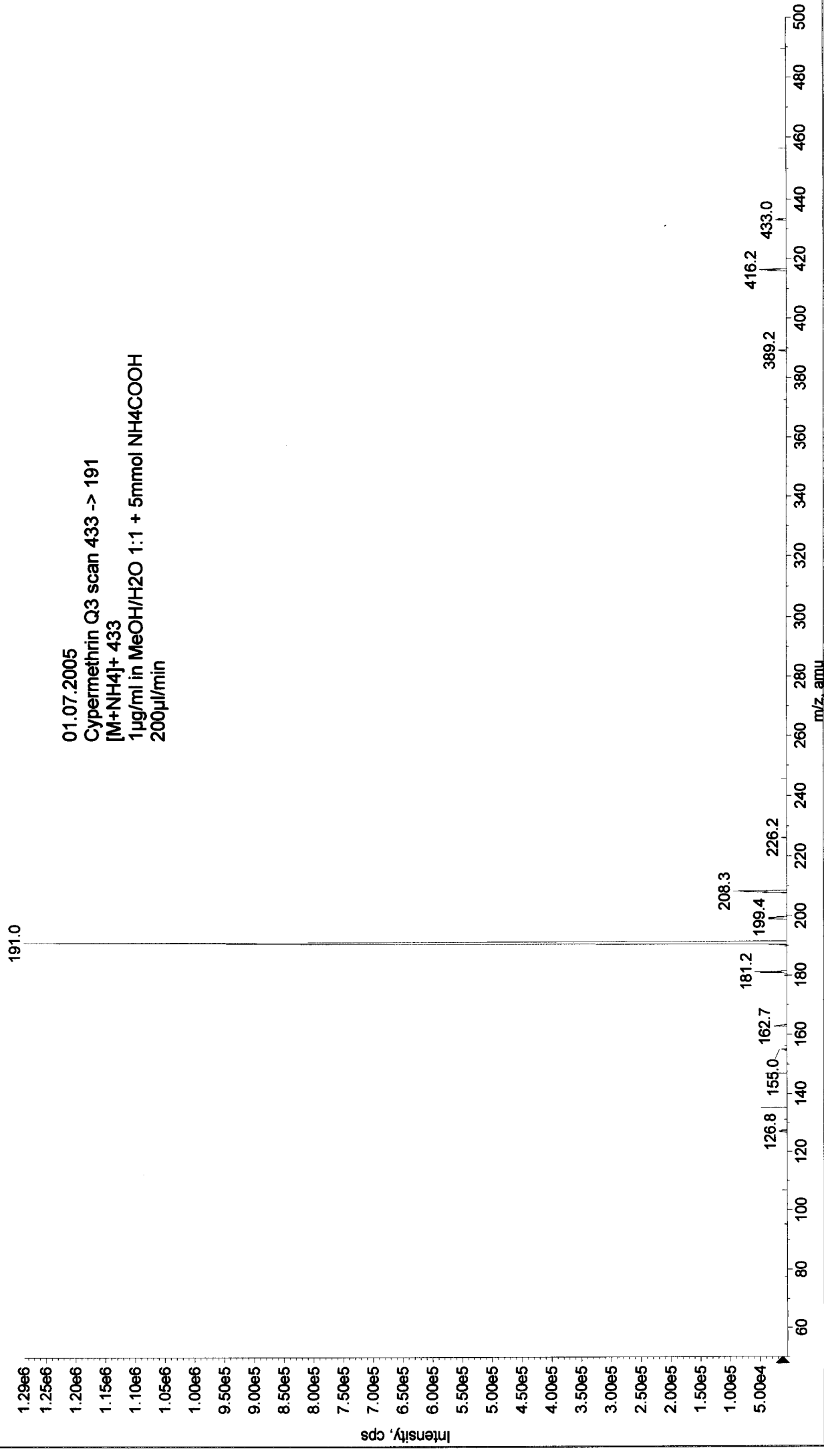
Printing Time: 10:17:50
Printing Date: Friday, July 01, 2005

Acq. Time: 10:16
Acq. Date: Friday, July 01, 2005
Acq. File: MT20050701101648.wiff

Sample Comment:
Sample Name: TuneSampleID
Batch Name: ManualTune.bat

Max. 1.3e6 cps.

■ +MS2 (433.00): 30 MCA scans from Sample 1 (TuneSampleID) of MT20050701101648.wiff (Turbo Spray)



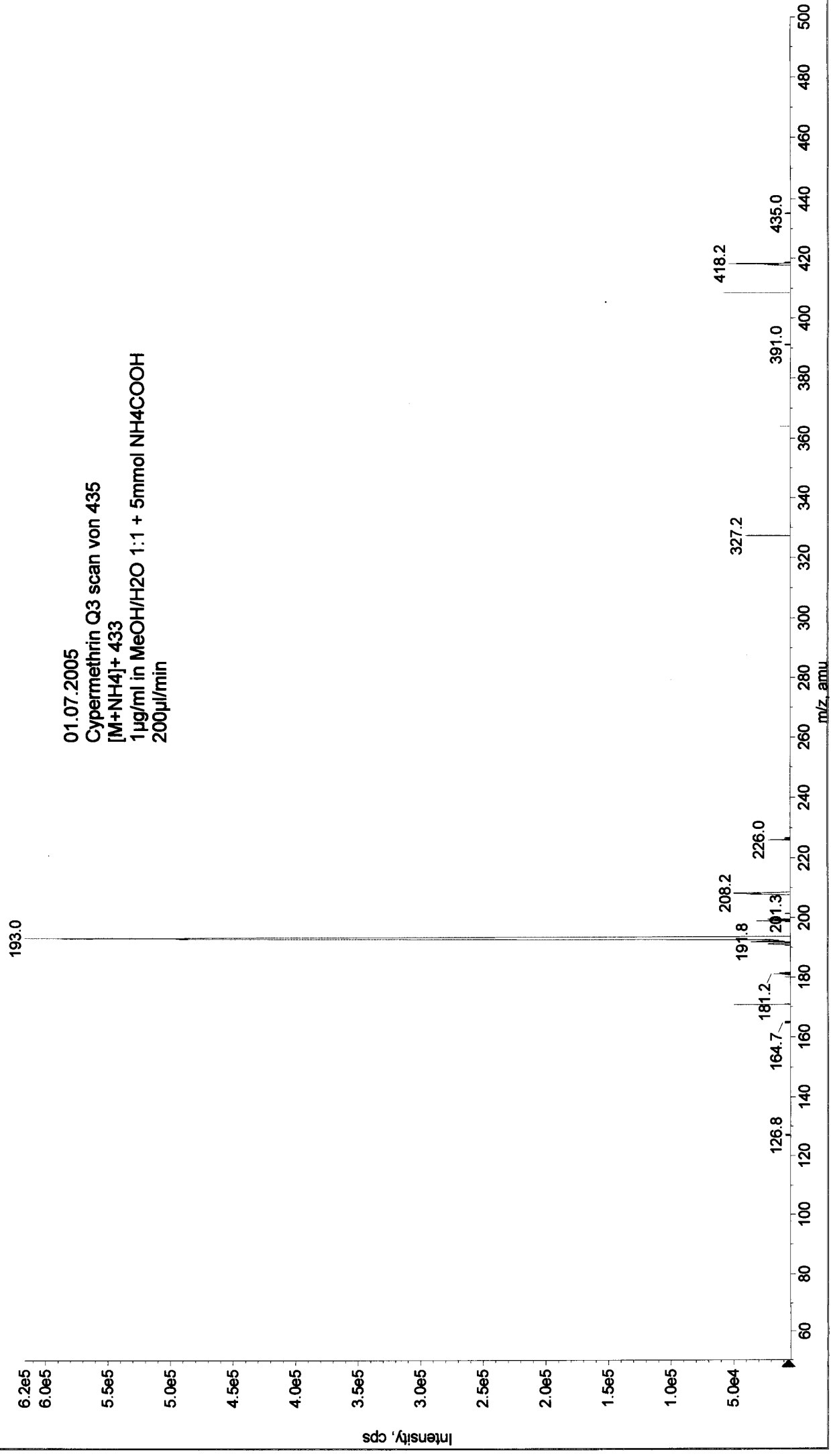
Printing Time: 10:16:26
Printing Date: Friday, July 01, 2005

Acq. Time: 10:14
Acq. Date: Friday, July 01, 2005
Acq. File: MT20050701101404.wiff

Sample Comment:
Sample Name: TuneSampleID
Batch Name: ManualTune.bat

Max. 6.2e5 cps.

+MS2 (435.00): 30 MCA scans from Sample 1 (TuneSampleID) of MT20050701101404.wiff (Turbo Spray)



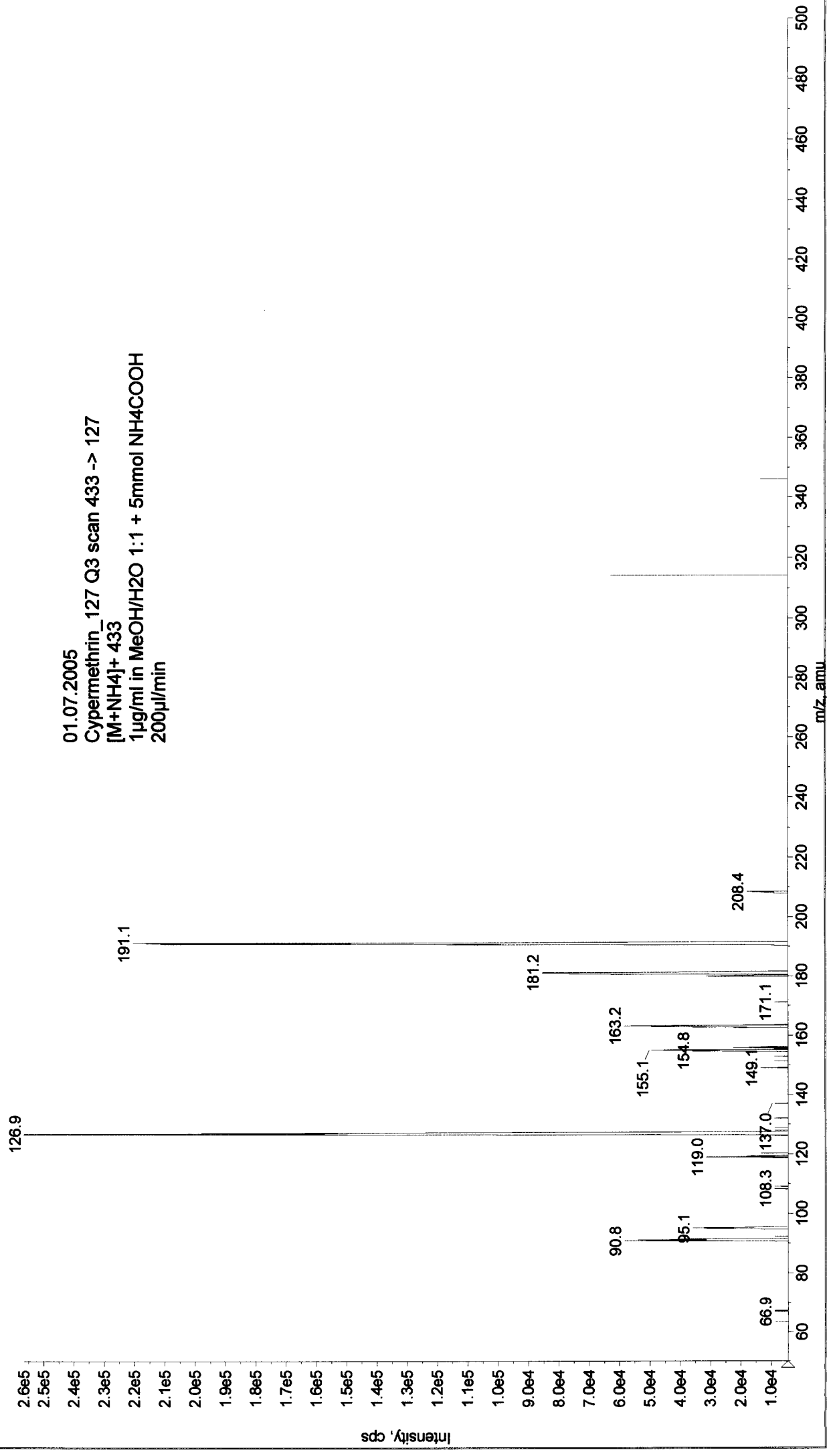
Printing Time: 10:20:43
Printing Date: Friday, July 01, 2005

Acq. Time: 10:19
Acq. Date: Friday, July 01, 2005
Acq. File: MT20050701101938.wiff

Sample Comment:
Sample Name: TuneSampleID
Batch Name: ManualTune.bat

Max. 2.6e5 cps.

+MS2 (433.00): 30 MCA scans from Sample 1 (TuneSampleID) of MT20050701101938.wiff (Turbo Spray)



Printing Time: 10:22:10
Printing Date: Friday, July 01, 2005

Acq. Time: 10:20
Acq. Date: Friday, July 01, 2005
Acq. File: MT20050701102059.wiff

Sample Comment:
Sample Name: TuneSampleID
Batch Name: ManualTune.bat

Max. 1.6e5 cps.

+MS2 (435.00): 30 MCA scans from Sample 1 (TuneSampleID) of MT20050701102059.wiff (Turbo Spray)

