

MS/MS Parameters of Pesticides

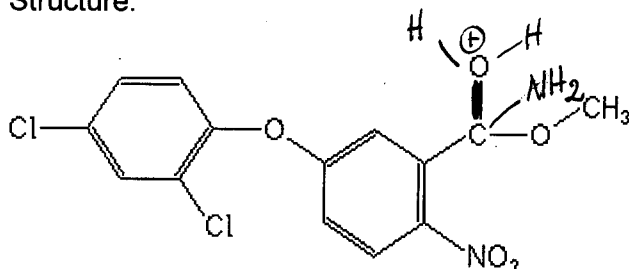
Analyte: Bifenox

CAS No.: 42576-02-3

Formula: C₁₄H₉Cl₂NO₅

Molecular mass (lowest isotopes): 340,99 amu

Structure:



Ionisation: ESI +

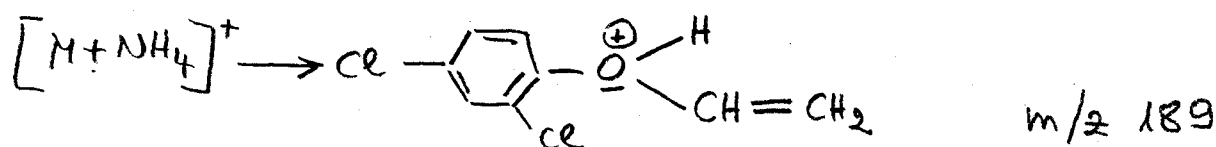
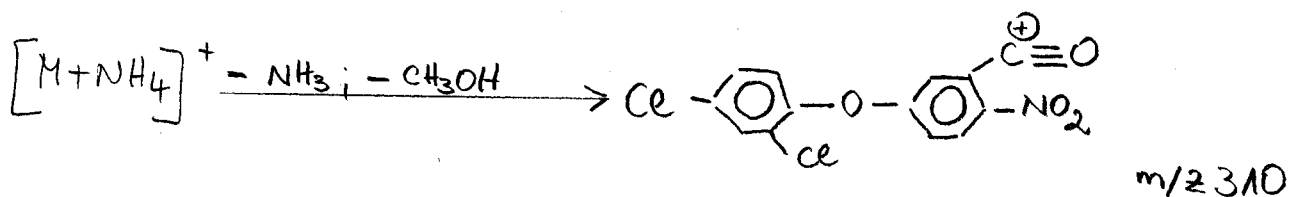
Quasimolecular ion: 358,9 amu = [M+NH₄]⁺

Analyte sensitive parameter set (API 2000)

Transition	358,9 → 309,9	358,9 → 189,1
Declustering potential (DP) ^{*)}	4 V	4 V
Focusing potential (FP)	370 V	370 V
Entrance potential (EP)	8,0 V	7,0 V
Collision cell entrance potential (CEP)	24 V	22 V
Collision energy (CE)	17 V	35 V
Collision cell exit potential (CXP)	18 V	10 V

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

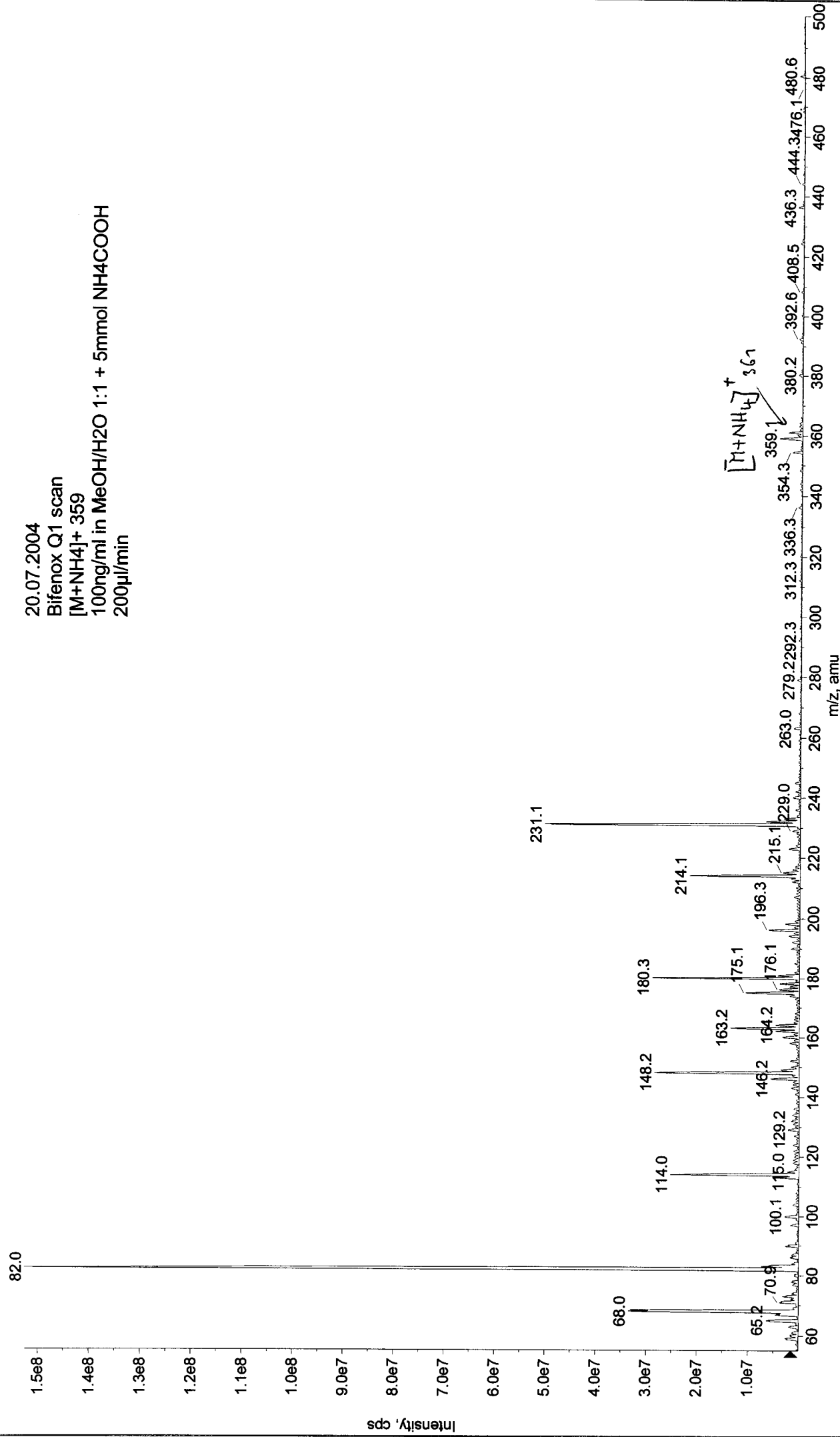
Fragmentation



+Q1: 30 MCA scans from Sample 1 (TuneSampleID) of MT20040720151128.wiff (Turbo Spray)

Max. 1.5e8 cps.

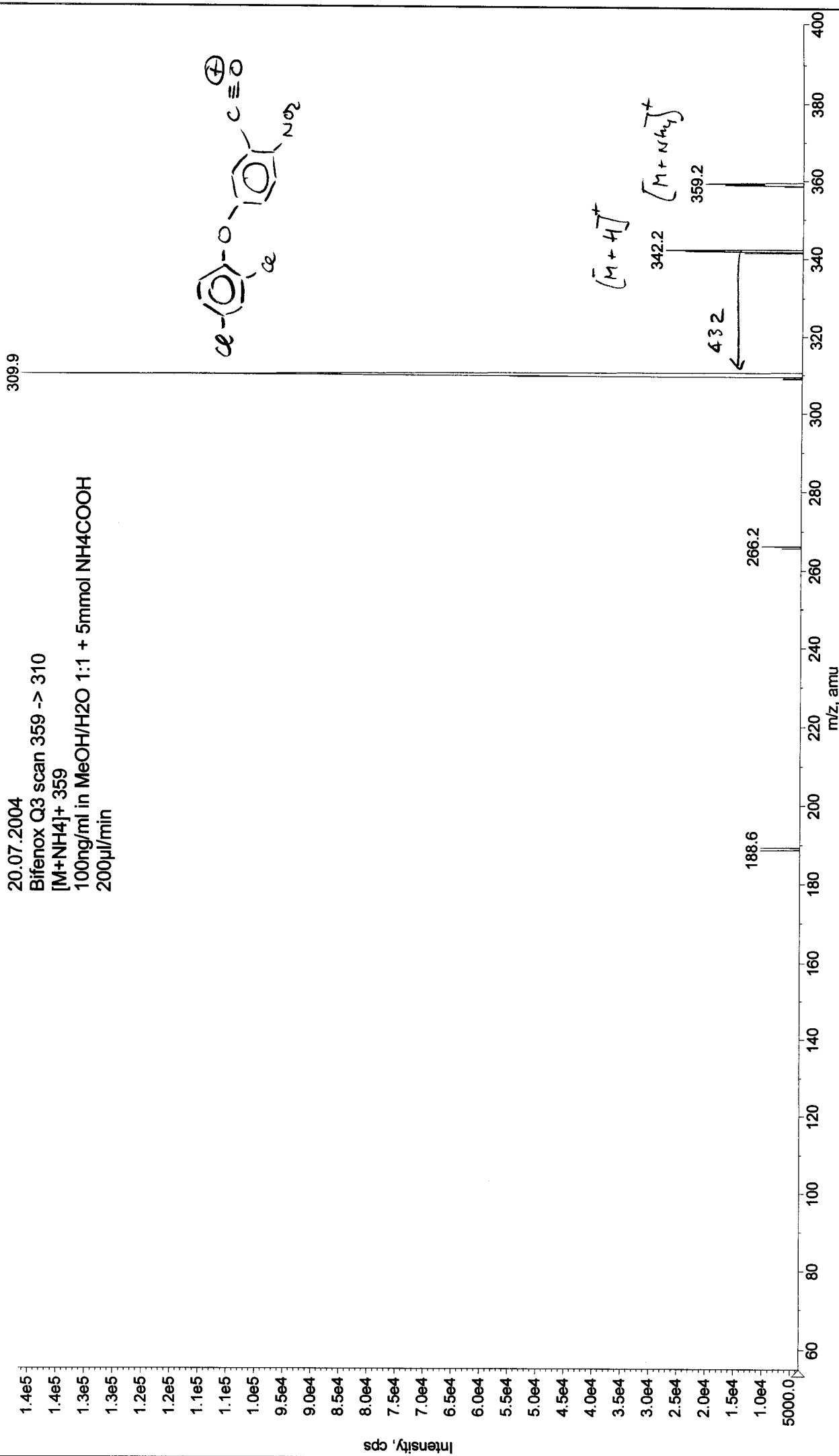
20.07.2004
Bifenox Q1 scan
[M+NH₄]⁺ 359
100ng/ml in MeOH/H₂O 1:1 + 5mmol NH₄COOH
200µl/min



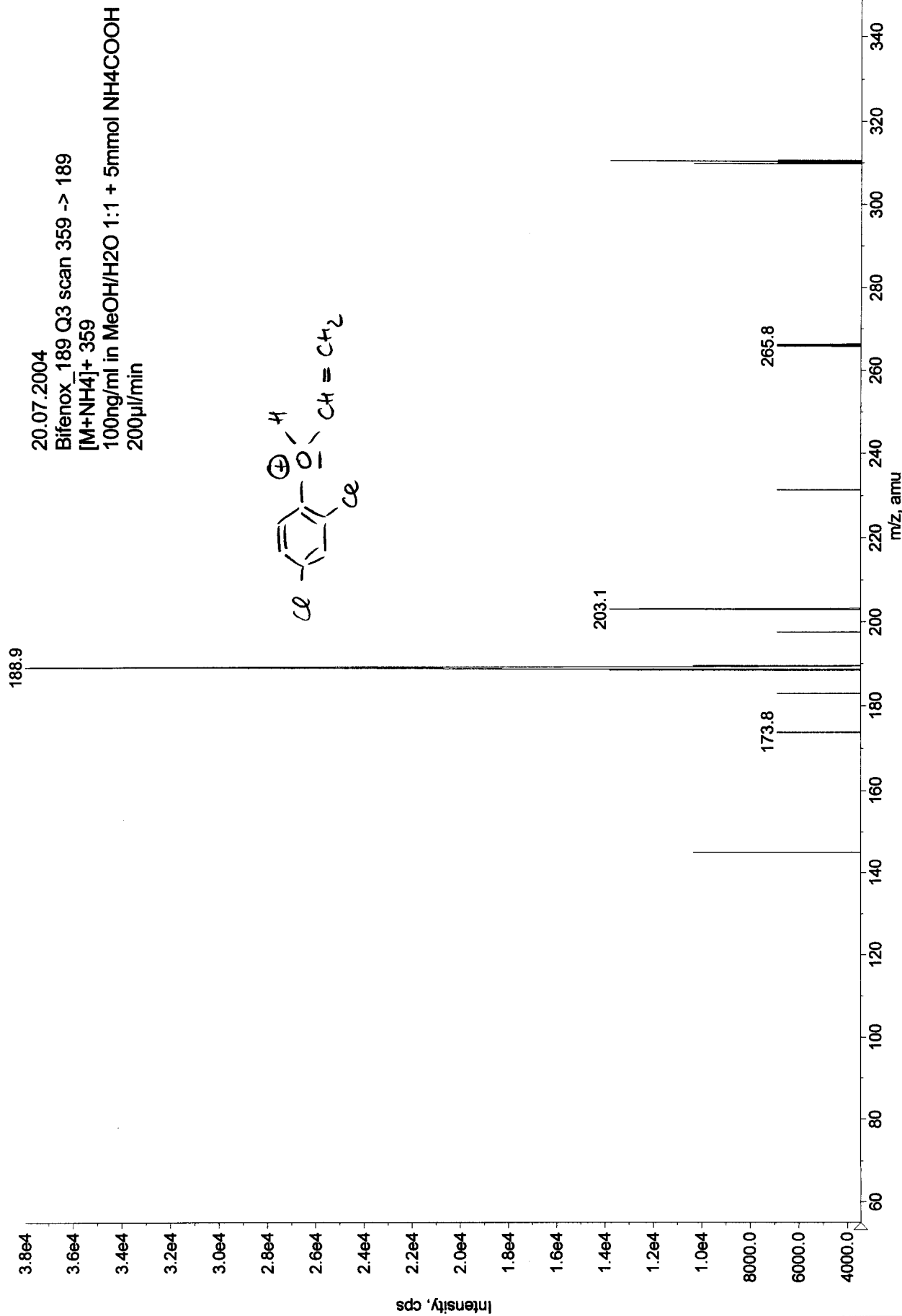
+MS2 (359.00): 30 MCA scans from Sample 1 (TuneSampleID) of MT20040720151510.wiff (Turbo Spray)

Max. 1.4e5 cps.

20.07.2004
Bifenox Q3 scan 359 -> 310
[M+NH4]⁺ 359
100ng/ml in MeOH/H2O 1:1 + 5mmol NH4COOH
200µl/min



+MS2 (359.00): 30 MCA scans from Sample 1 (TuneSampleID) of MT20040721105045.wiff (Turbo Spray) Max. 3.8e4 cps



Printing Time: 10:53:47
Printing Date: Wednesday, July 21, 2004

Acq. Time: 10:52
Acq. Site: Wednesday, July 21, 2004
Acq. File: MT20040721105252.wiff

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

■ +MS2 (361.00): 30 MCA scans from Sample 1 (TuneSampleID) of MT20040721105252.wiff (Turbo Spray) Max. 2.8e4 cps.

