

**BfR**

Risiken erkennen – Gesundheit schützen

MS/MS Parameters of Pesticides

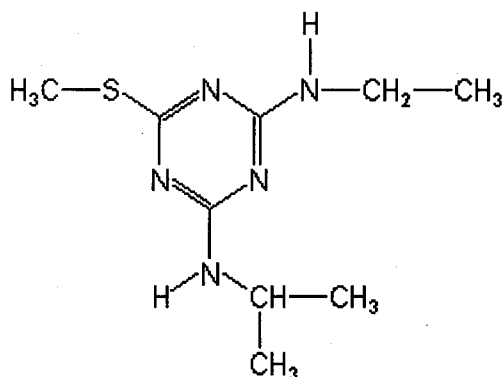
Analyte: Ametryn

CAS No.: 834-12-8

Formula: C₉H₁₇N₅S

Molecular mass (lowest isotopes): 227,12 amu

Structure:



Ionisation: ESI +

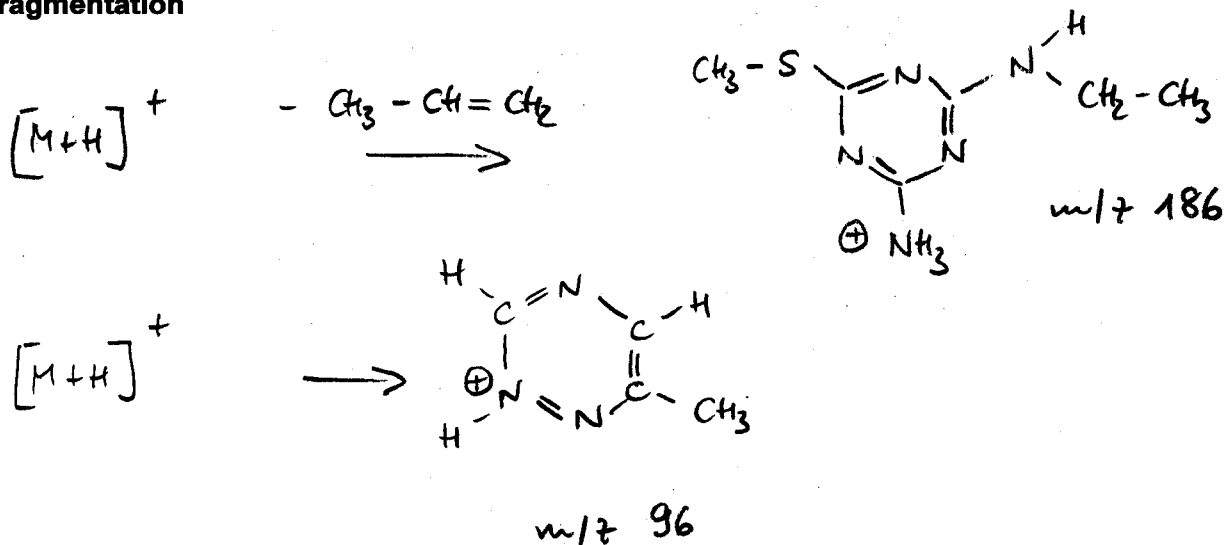
Quasimolecular ion: 228,1 amu = [M+H]⁺

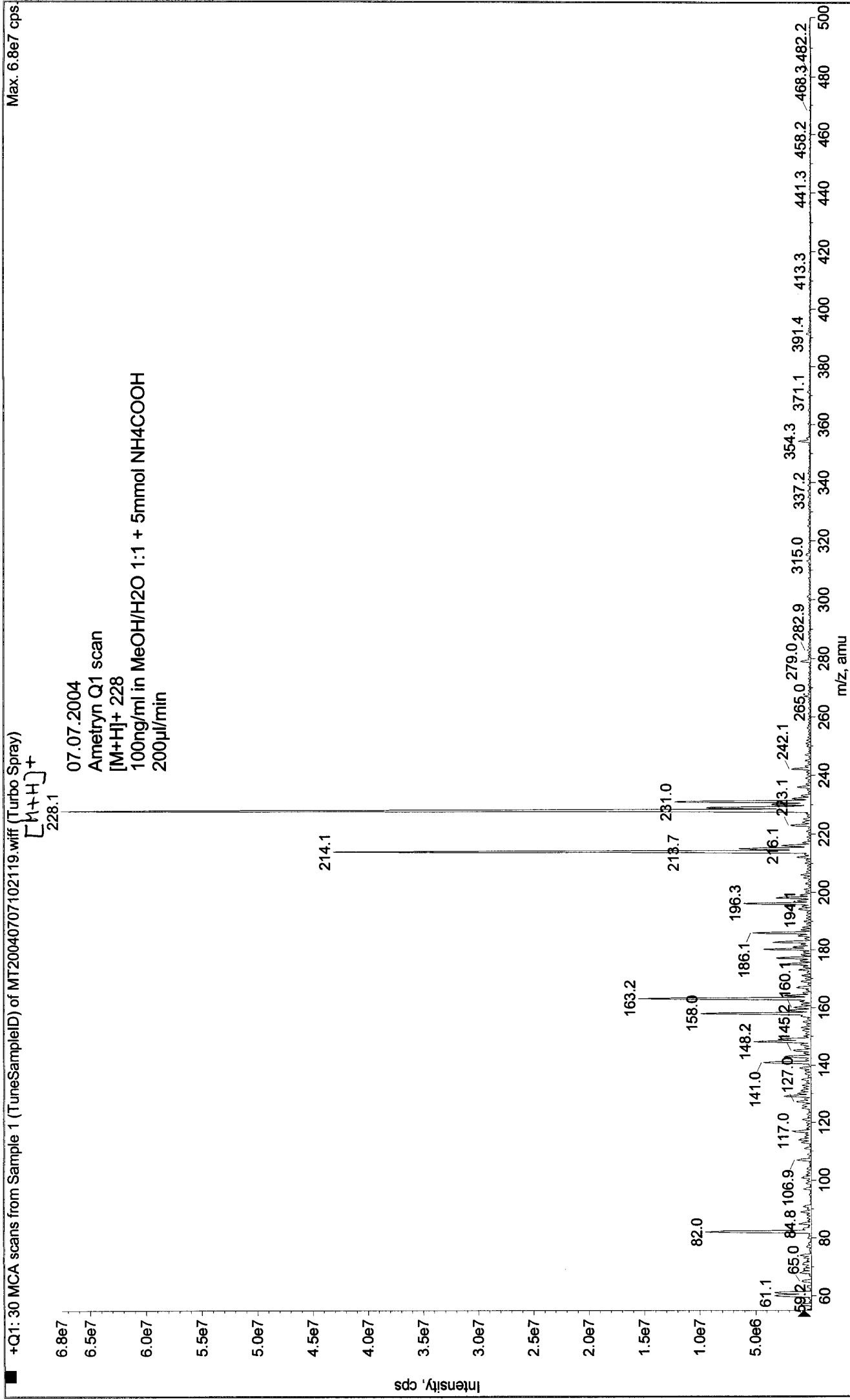
Analyte sensitive parameter set (API 2000)

Transition	228,1 → 186,2	228,1 → 96,1
Declustering potential (DP) ^{*)}	36 V	36 V
Focusing potential (FP)	360 V	330 V
Entrance potential (EP)	11,0 V	10,5 V
Collision cell entrance potential (CEP)	14 V	14 V
Collision energy (CE)	25 V	35 V
Collision cell exit potential (CXP)	10 V	4 V

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

Fragmentation





Max. 5.9e6 cps

+MS2 (228.00): 30 MCA scans from Sample 1 (TuneSampleID) of MT20040707092200.wiff (Turbo Spray)

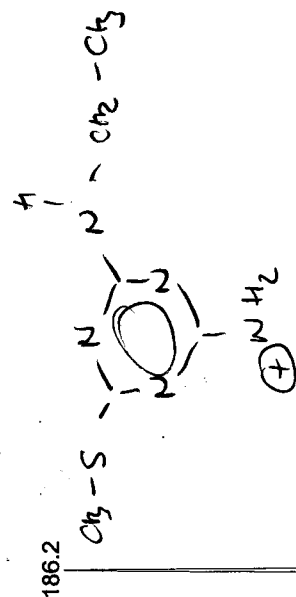
07.07.2004

Ametryn Q3 scan 228 -> 186

[M+H]⁺ 228

100ng/ml in MeOH/H₂O 1:1 + 5mmol NH₄COOH

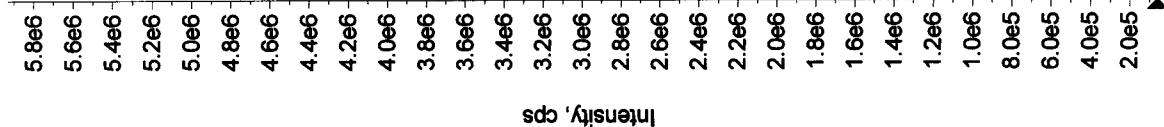
200µl/min

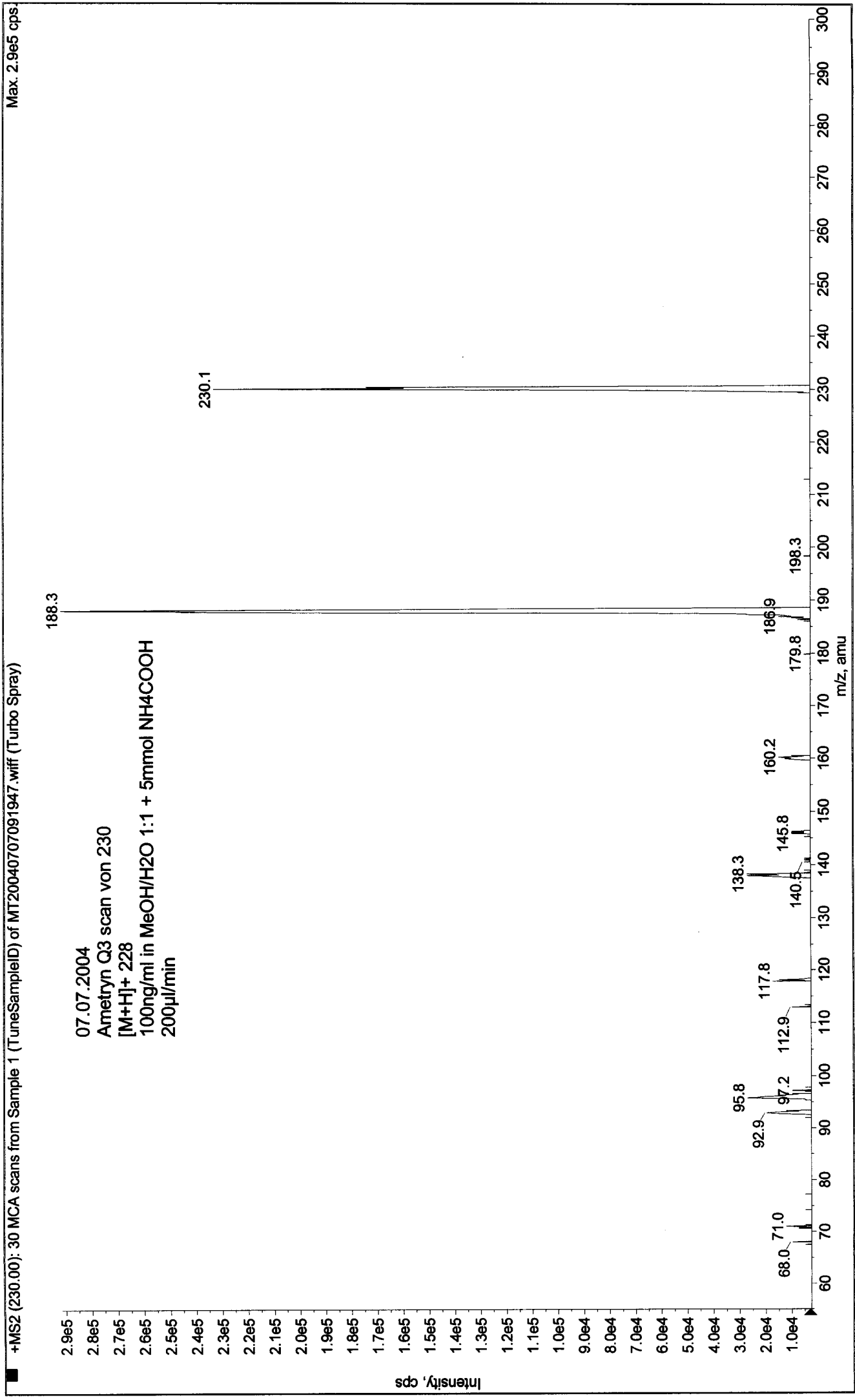


186.2

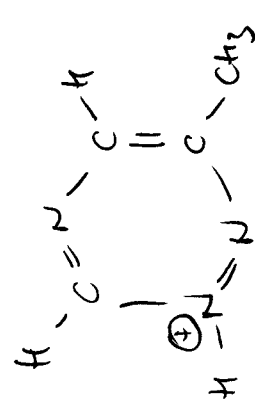
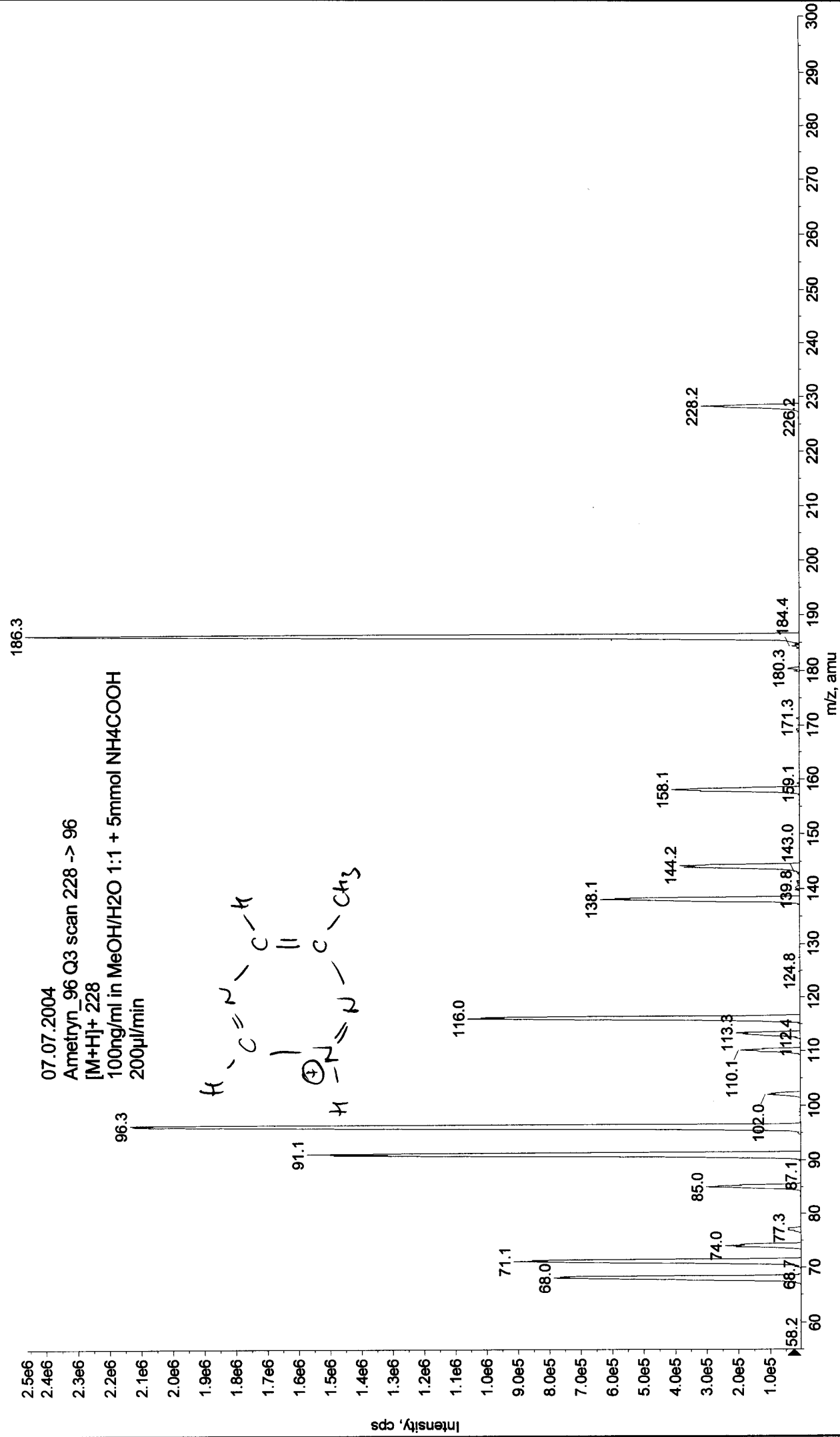
228.2

- CH₃-CH=C+H₂





+MS2 (228.00): 30 MCA scans from Sample 1 (TuneSampleID) of MT20040707102832.wiff (Turbo Spray) Max. 2.5e6 cps



07.07.2004
Ametryn_96 Q3 scan 228 -> 96
[M+H]⁺ 228
100ng/ml in MeOH/H₂O 1:1 + 5mmol NH₄COOH
200µl/min

Printing Time: 10:30:48
Printing Date: Wednesday, July 07, 2004

Acq. Time: 10:29
Acq. Date: Wednesday, July 07, 2004
Acq. File: MT20040707102947.wiff

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

Max. 1.3e5 cps.
+MS2 (230.00): 30 MCA scans from Sample 1 (TuneSampleID) of MT20040707102947.wiff (Turbo Spray)

