

**BfR**

Risiken erkennen – Gesundheit schützen

MS/MS Parameters of Pesticides

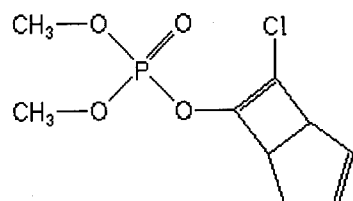
Analyte: Heptenophos

CAS No.: 23560-59-0

Formula: C₉H₁₂ClO₄P

Molecular mass (lowest isotopes): 250,02 amu

Structure:



Ionisation: ESI +

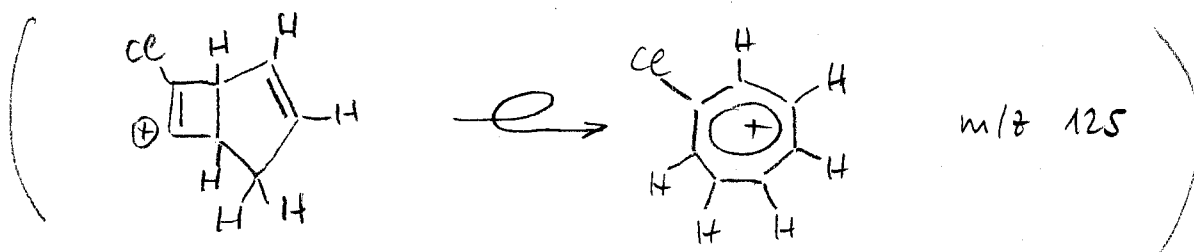
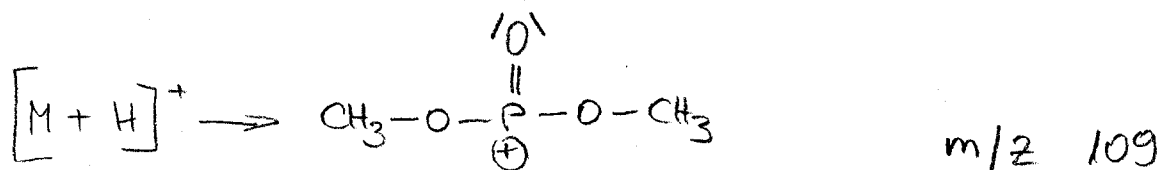
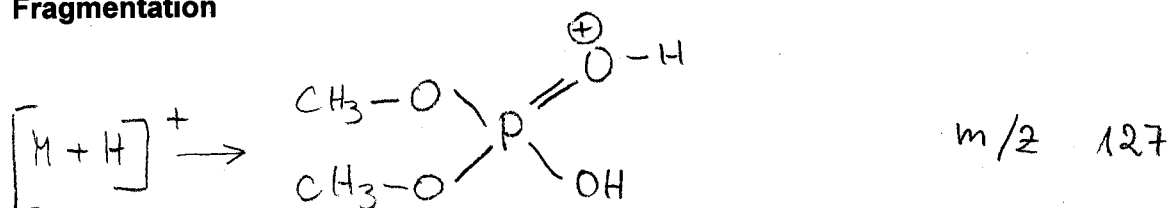
Quasimolecular ion: 251,0 amu = [M+H]⁺

Analyte sensitive parameter set (API 2000)

Transition	251,0 → 127,0	251,0 → 109,0
Declustering potential (DP) ^{*)}	31 V	31 V
Focusing potential (FP)	330 V	370 V
Entrance potential (EP)	10,0 V	12,0 V
Collision cell entrance potential (CEP)	16 V	18 V
Collision energy (CE)	19 V	37 V
Collision cell exit potential (CXP)	6 V	6 V

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

Fragmentation



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

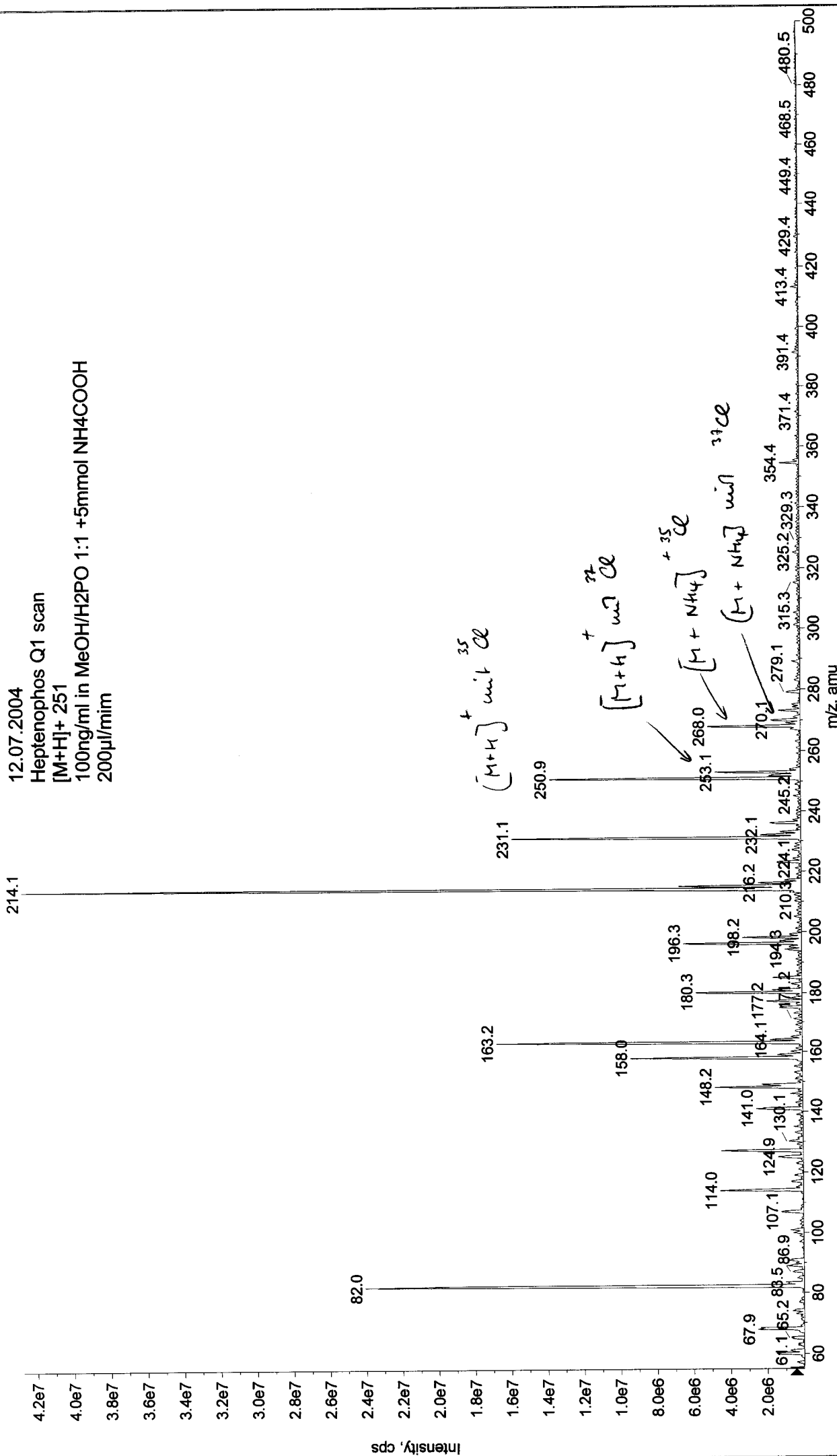
Acq. Time: 11:55
Acq. Date: Monday, July 12, 2004
Acq. File: MT20040712115513.wiff

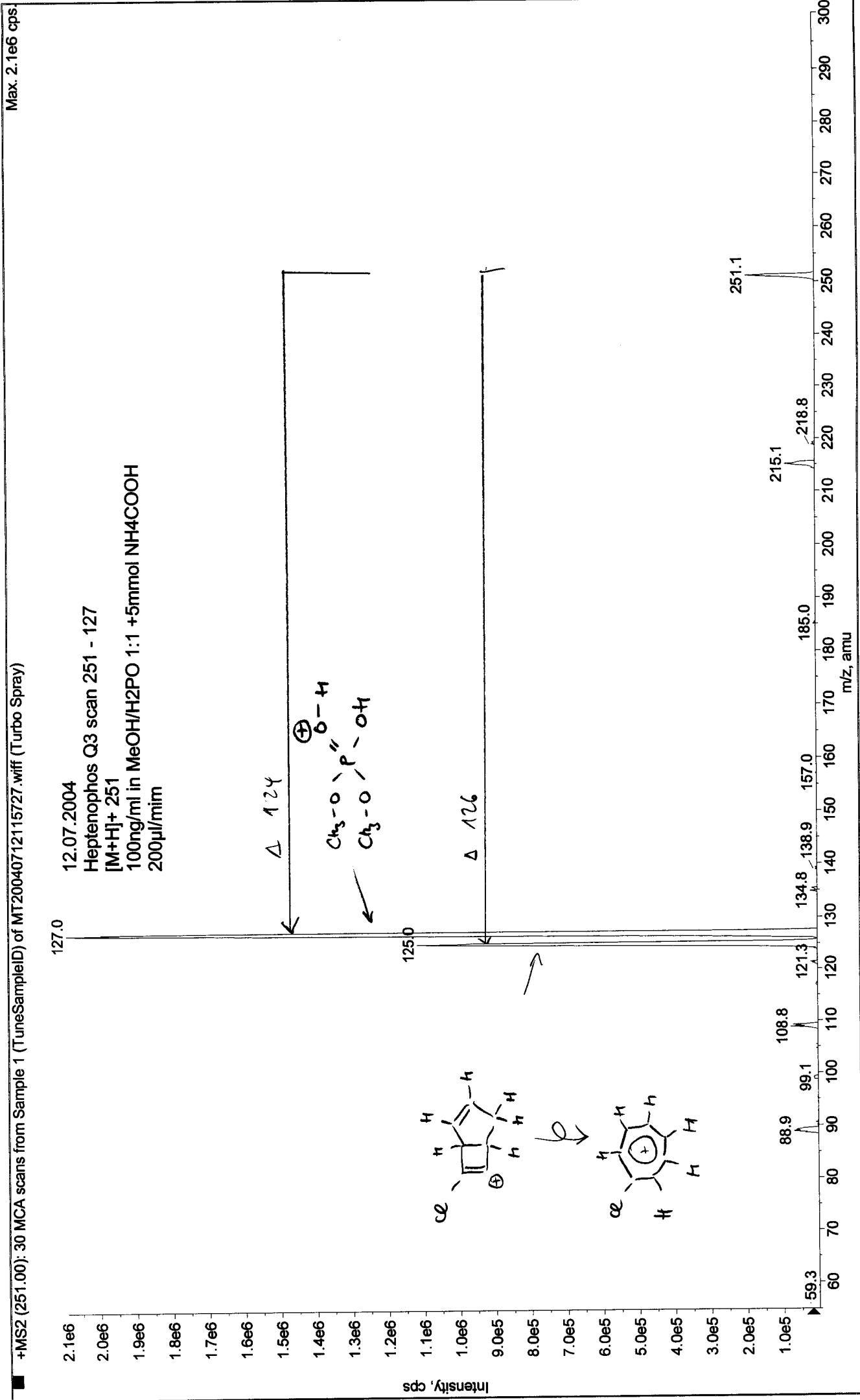
Printing Time: 11:56:42
Printing Date: Monday, July 12, 2004

Max. 4.3e7 cps

12.07.2004
Heptenophos Q1 scan
[M+H]⁺ 251
100ng/ml in MeOH/H₂PO 1:1 +5mmol NH₄COOH
200ul/mim

+Q1: 30 MCA scans from Sample 1 (TuneSampleID) of MT20040712115513.wiff (Turbo Spray)



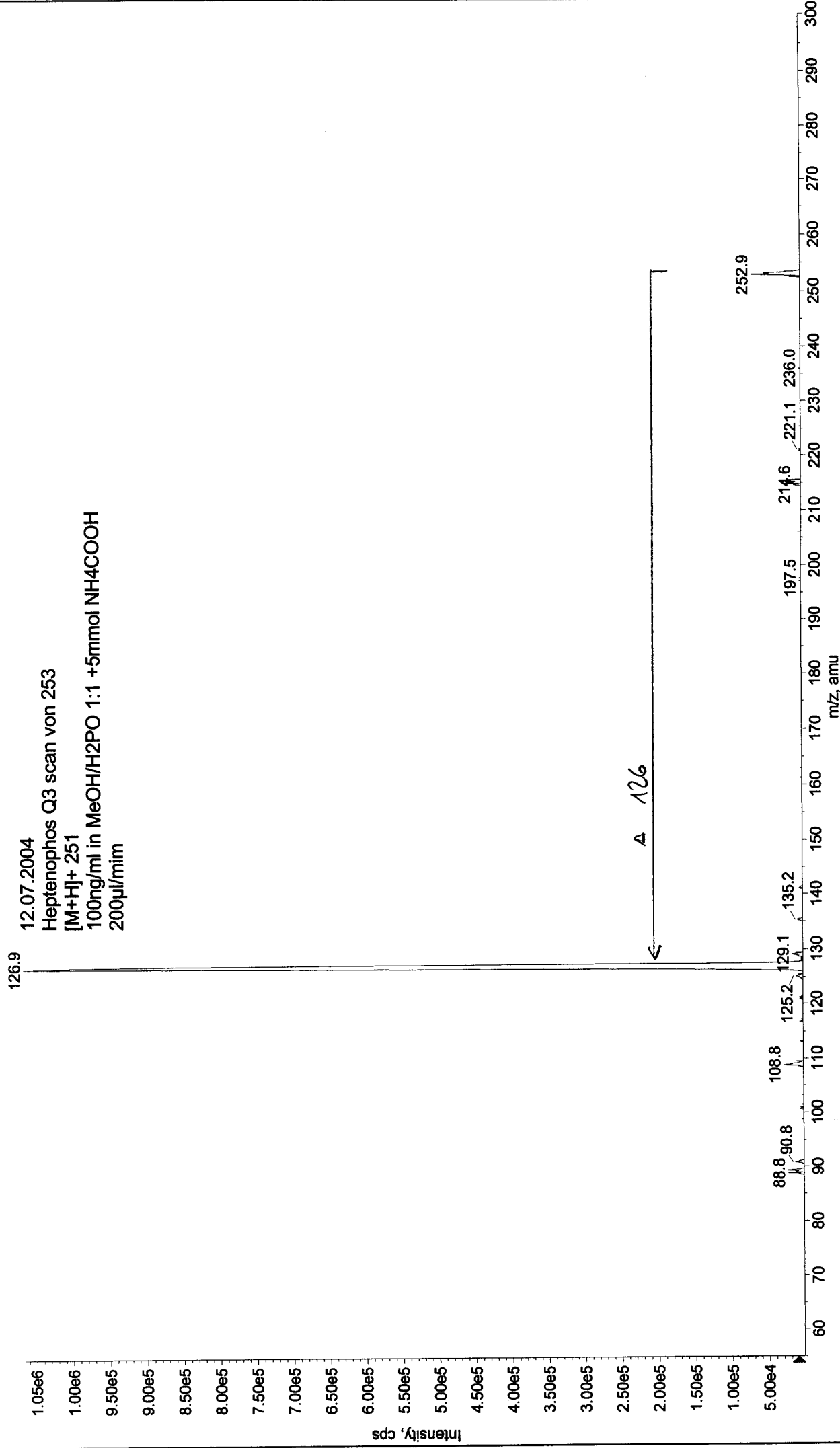


Printing Time: 11:59:48
Printing Date: Monday, July 12, 2004

Acq. Time: 11:58
Acq. Date: Monday, July 12, 2004
Acq. File: MT20040712115846.wiff

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

Max. 1.1e6 cps.
+MS2 (253.00): 30 MCA scans from Sample 1 (TuneSampleID) of MT20040712115846.wiff (Turbo Spray)



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

Acq. Time: 13:41
Acq. Date: Monday, July 12, 2004
Acq. File: MT20040712134109.wiff

Printing Time: 13:42:29
Printing Date: Monday, July 12, 2004

