

**BfR**

Risiken erkennen – Gesundheit schützen

MS/MS Parameters of Pesticides

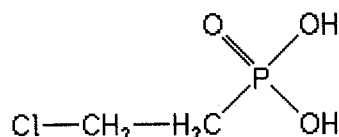
Analyte: Ethephon

CAS No.: 16672-87-0

Formula: C₂H₆ClO₃P

Molecular mass (lowest isotopes): 143,97 amu

Structure:



Ionisation: ESI +

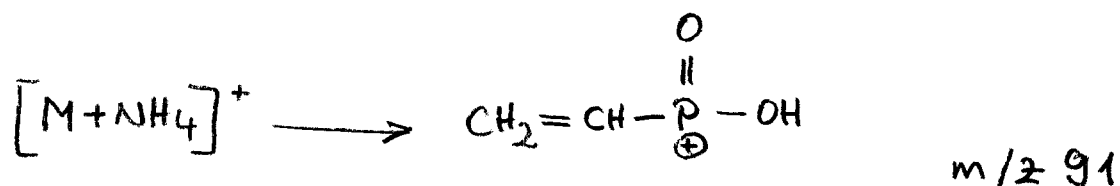
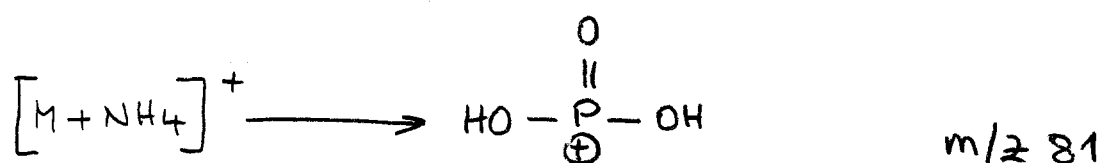
Quasimolecular ion: 162,0 amu = [M+NH₄]⁺

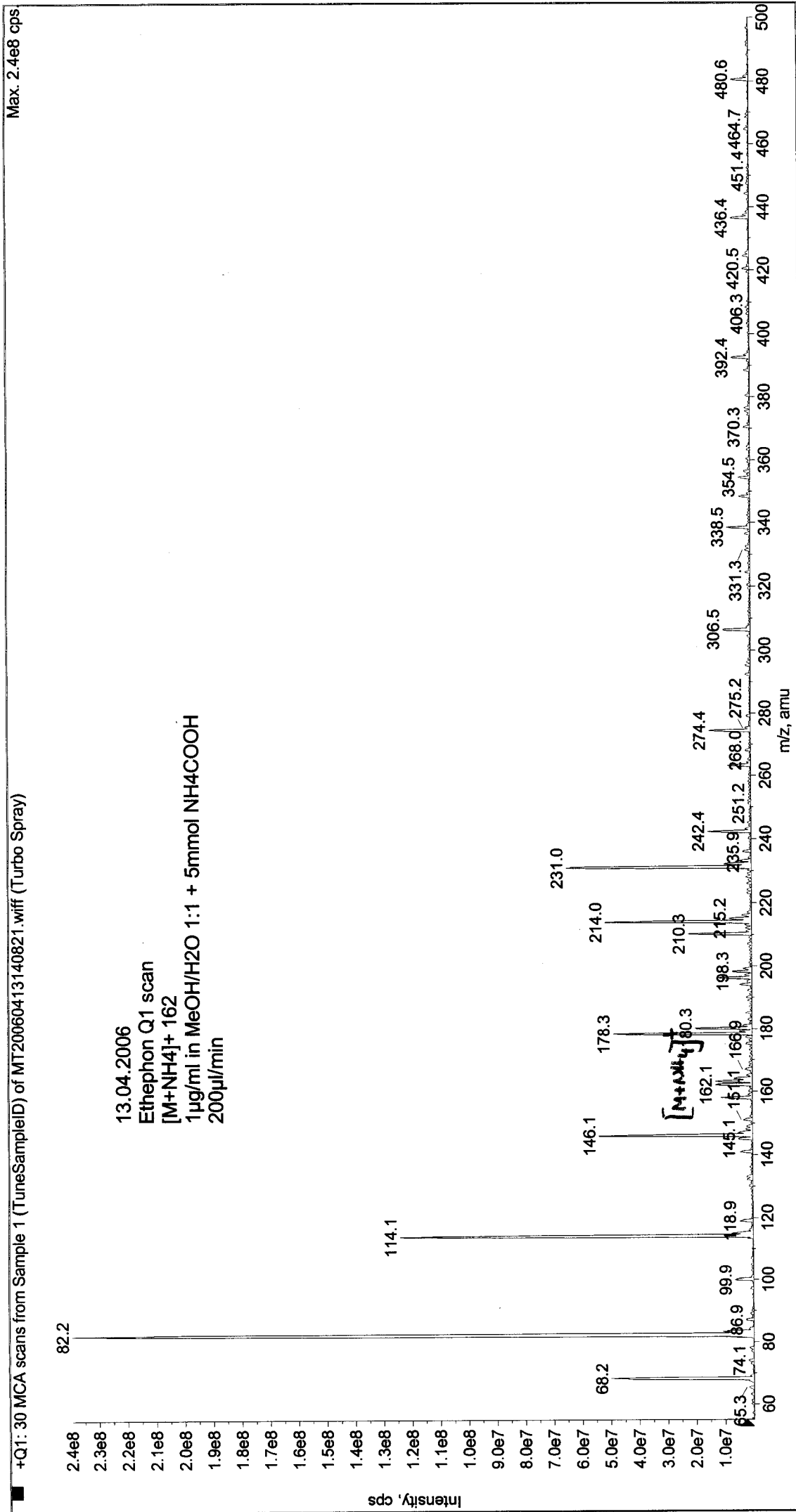
Analyte sensitive parameter set (API 2000)

Transition	162,0 → 80,9	162,0 → 90,9
Declustering potential (DP)*)	51 V	51 V
Focusing potential (FP)	370 V	340 V
Entrance potential (EP)	12 V	11 V
Collision cell entrance potential (CEP)	10 V	12 V
Collision energy (CE)	39 V	31 V
Collision cell exit potential (CXP)	12 V	6 V

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

Fragmentation





Printing Time: 14:15:34

Printing Date: Thursday, April 13, 2006

Acq. Time: 14:14

Acq. Date: Thursday, April 13, 2006

Acq. File: MT20060413141433.wiff

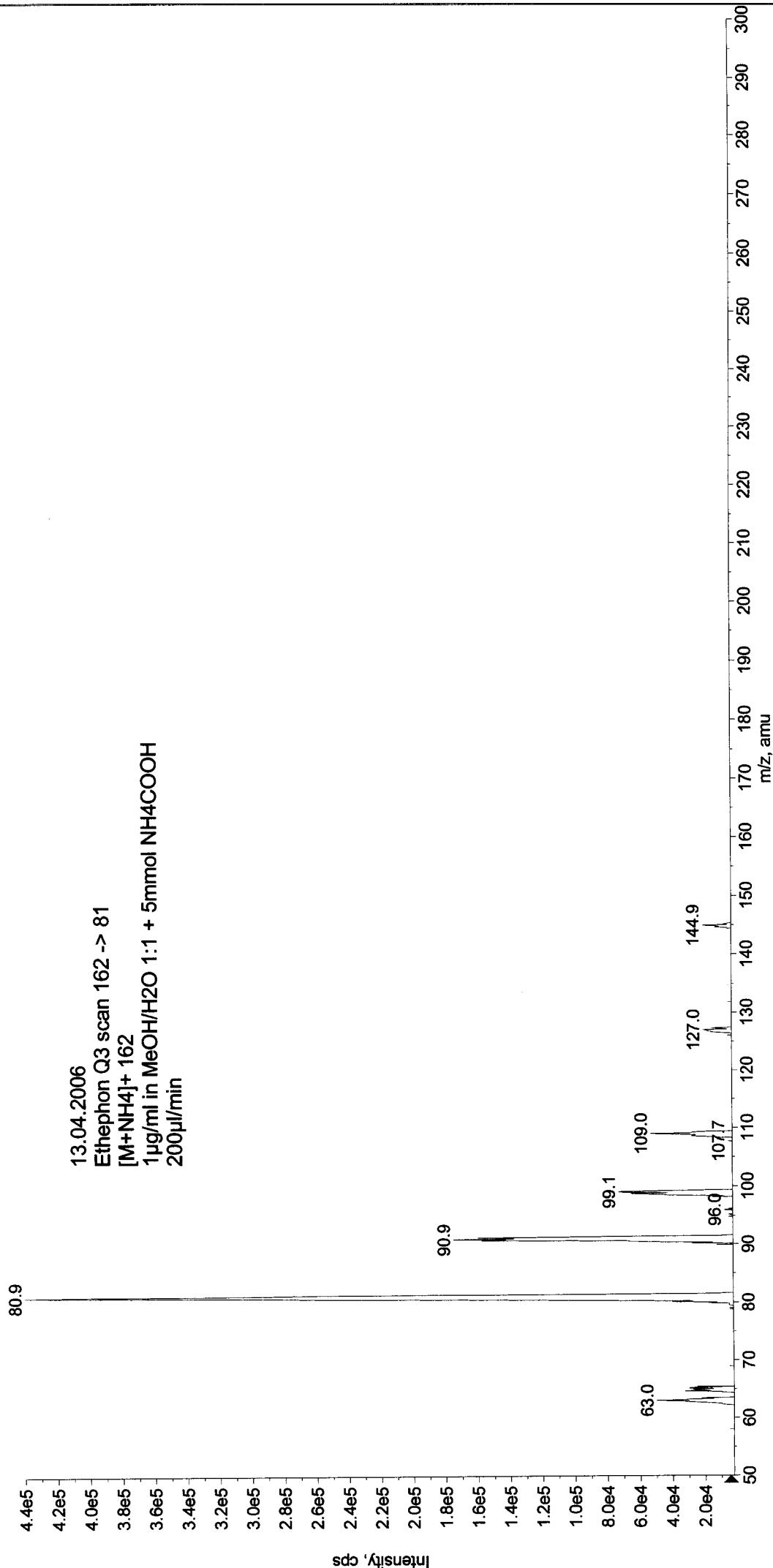
Sample Comment:

Sample Name: TuneSampleID

Batch Name: ManualTune.bat

Max. 4.4e5 cps

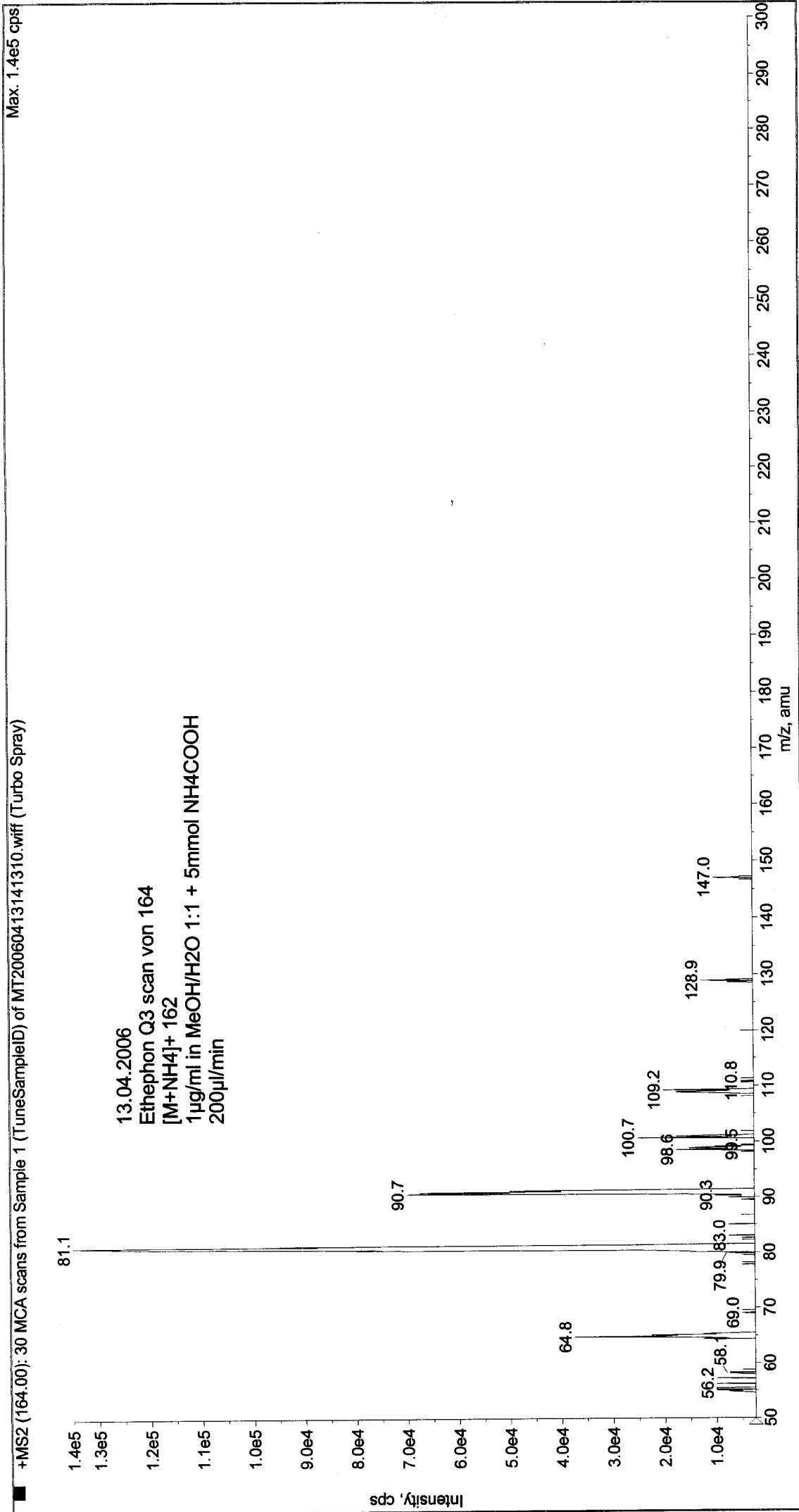
+MS2 (162.00): 30 MCA scans from Sample 1 (TuneSampleID) of MT20060413141433.wiff (Turbo Spray)



Printing Time: 14:14:10
Printing Date: Thursday, April 13, 2006

Acq. Time: 14:13
Acq. Date: Thursday, April 13, 2006
Acq. File: MT20060413141310.wiff

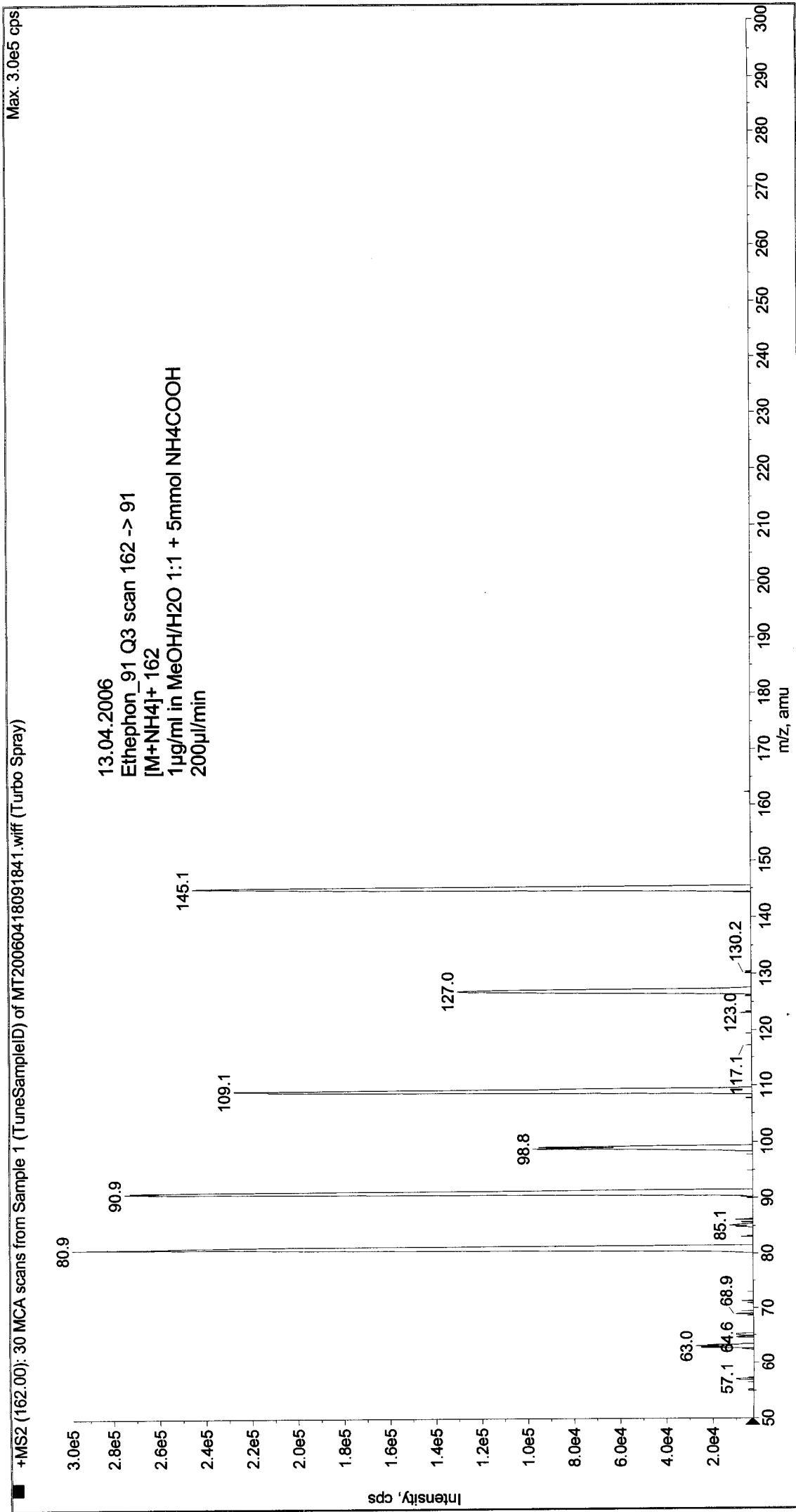
Sample Comment:
Sample Name: TunesSampleID
Batch Name: ManualTune.bat



Printing Time: 9:22:16
Printing Date: Tuesday, April 18, 2006

Acq. Time: 09:18
Acq. Date: Tuesday, April 18, 2006
Acq. File: MT20060418091841.wiff

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



Printing Time: 9:25:45
Printing Date: Tuesday, April 18, 2006

Acq. Time: 09:23
Acq. Date: Tuesday, April 18, 2006
Acq. File: MT20060418092324.wiff

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

