

**BfR**

Risiken erkennen – Gesundheit schützen

MS/MS Parameters of Pesticides

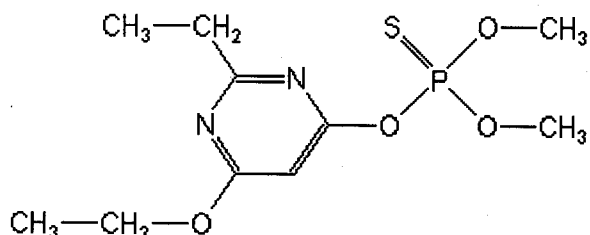
Analyte: Etrimfos

CAS No.: 38260-54-7

Formula: C₁₀H₁₇N₂O₄PS

Molecular mass (lowest isotopes): 292,07 amu

Structure:



Ionisation: ESI +

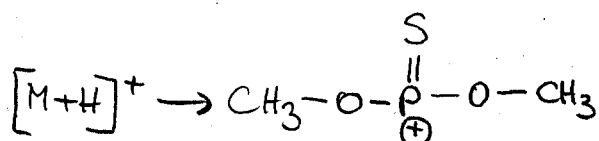
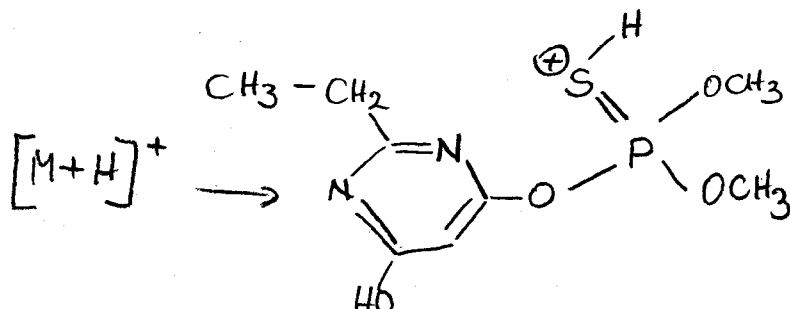
Quasimolecular ion: 293,1 amu = [M+H]⁺

Analyte sensitive parameter set (API 2000)

Transition	293,1 → 125,0	293,1 → 265,1
Declustering potential (DP) ^{*)}	24 V	24 V
Focusing potential (FP)	360 V	370 V
Entrance potential (EP)	11,0 V	12,0 V
Collision cell entrance potential (CEP)	18 V	20 V
Collision energy (CE)	33 V	21 V
Collision cell exit potential (CXP)	6 V	14 V

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

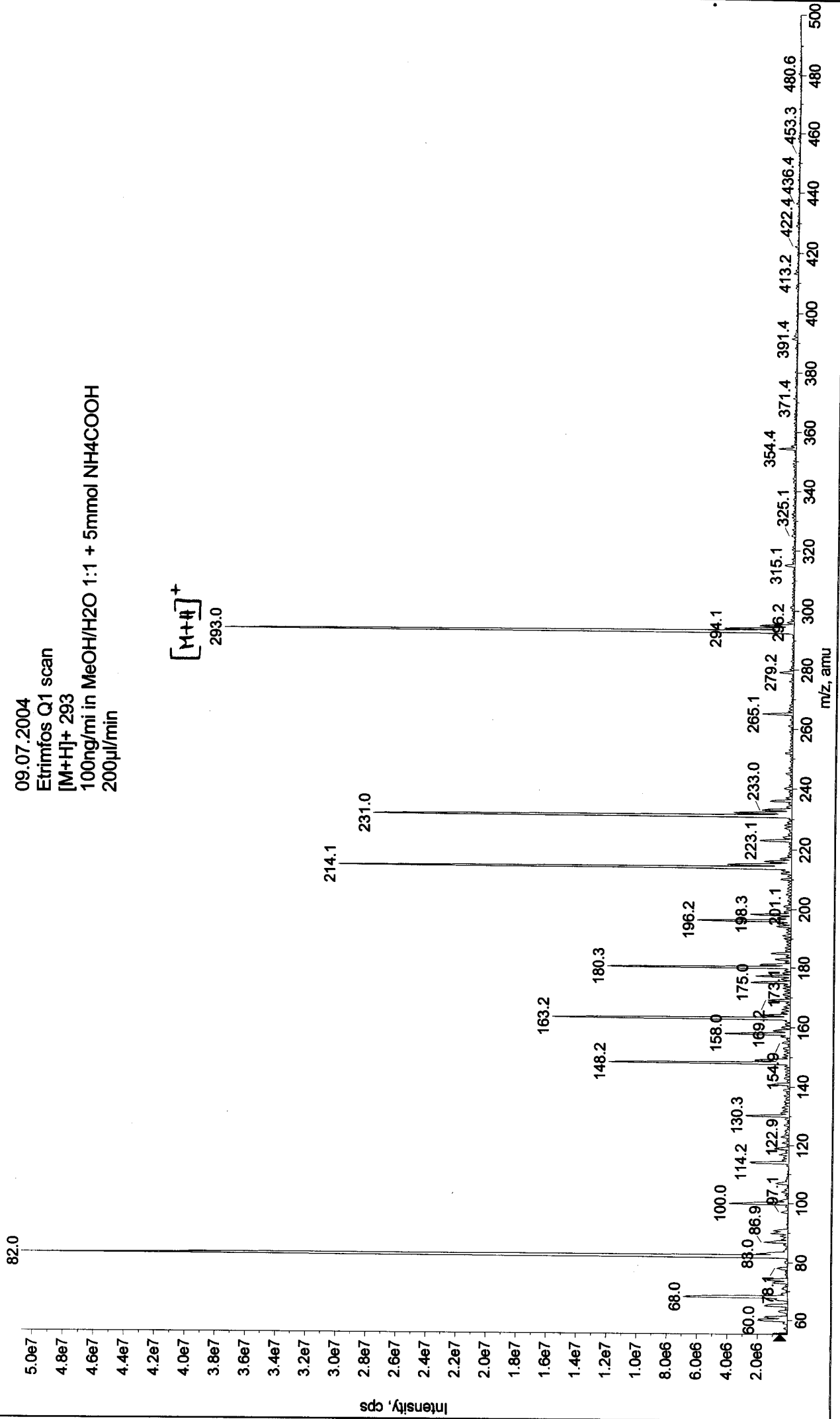
Fragmentation

 m/z 125/127 m/z 265/267

+Q1: 30 MCA scans from Sample 1 (TuneSampleID) of MT20040709101101.wiff (Turbo Spray)

Max 5.1e7 cps

09.07.2004
Etrifos Q1 scan
[M+H]⁺ 293
100ng/ml in MeOH/H₂O 1:1 + 5mmol NH₄COOH
200µl/min



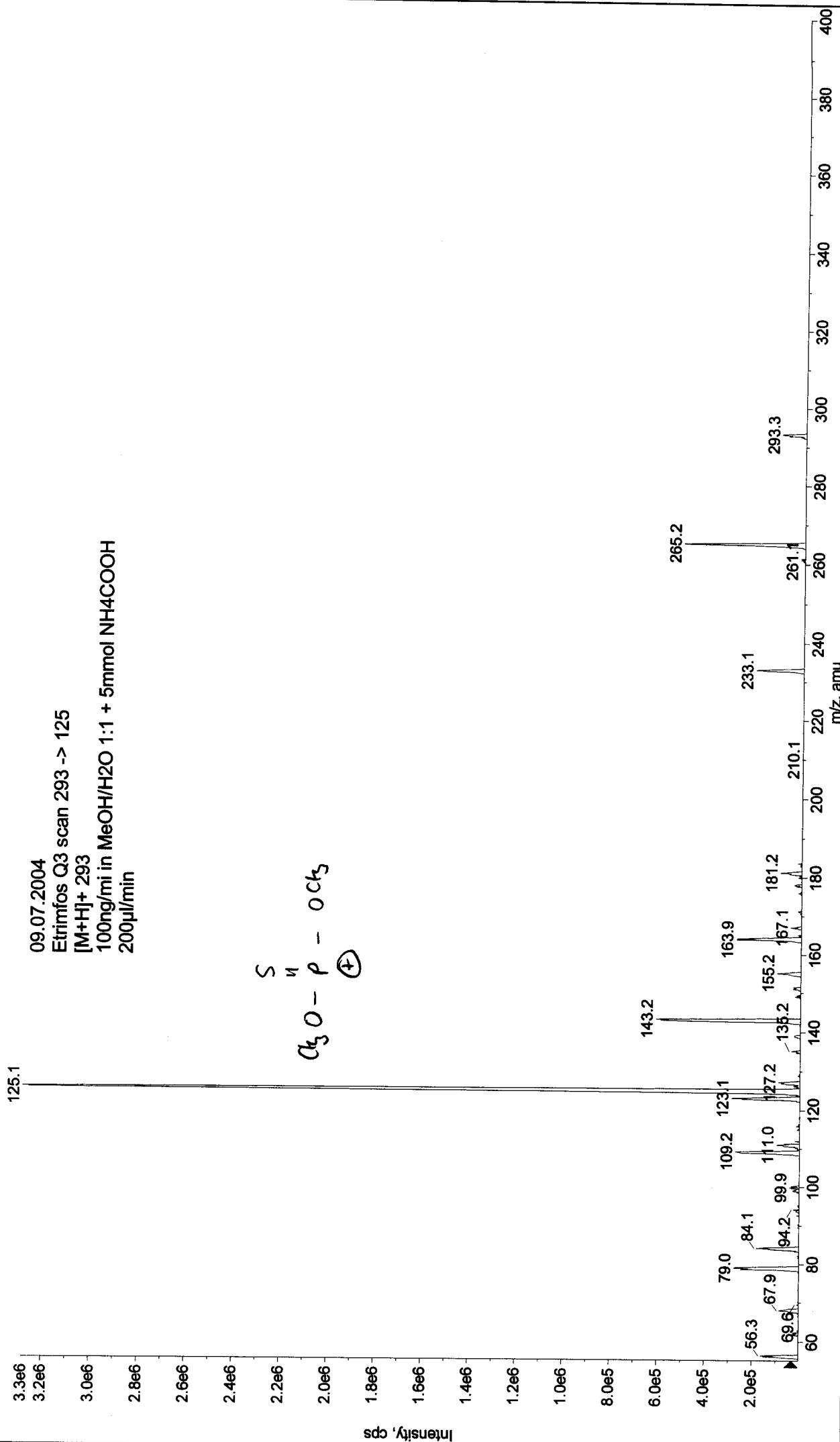
Printing Time: 10:15:34
Printing Date: Friday, July 09, 2004

Acq. Time: 10:14
Acq. Date: Friday, July 09, 2004
Acq. File: MT20040709101421.wiff

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

■ +MS2 (293.00): 30 MCA scans from Sample 1 (TuneSampleID) of MT20040709101421.wiff (Turbo Spray)

Max. 3.3e6 cps.



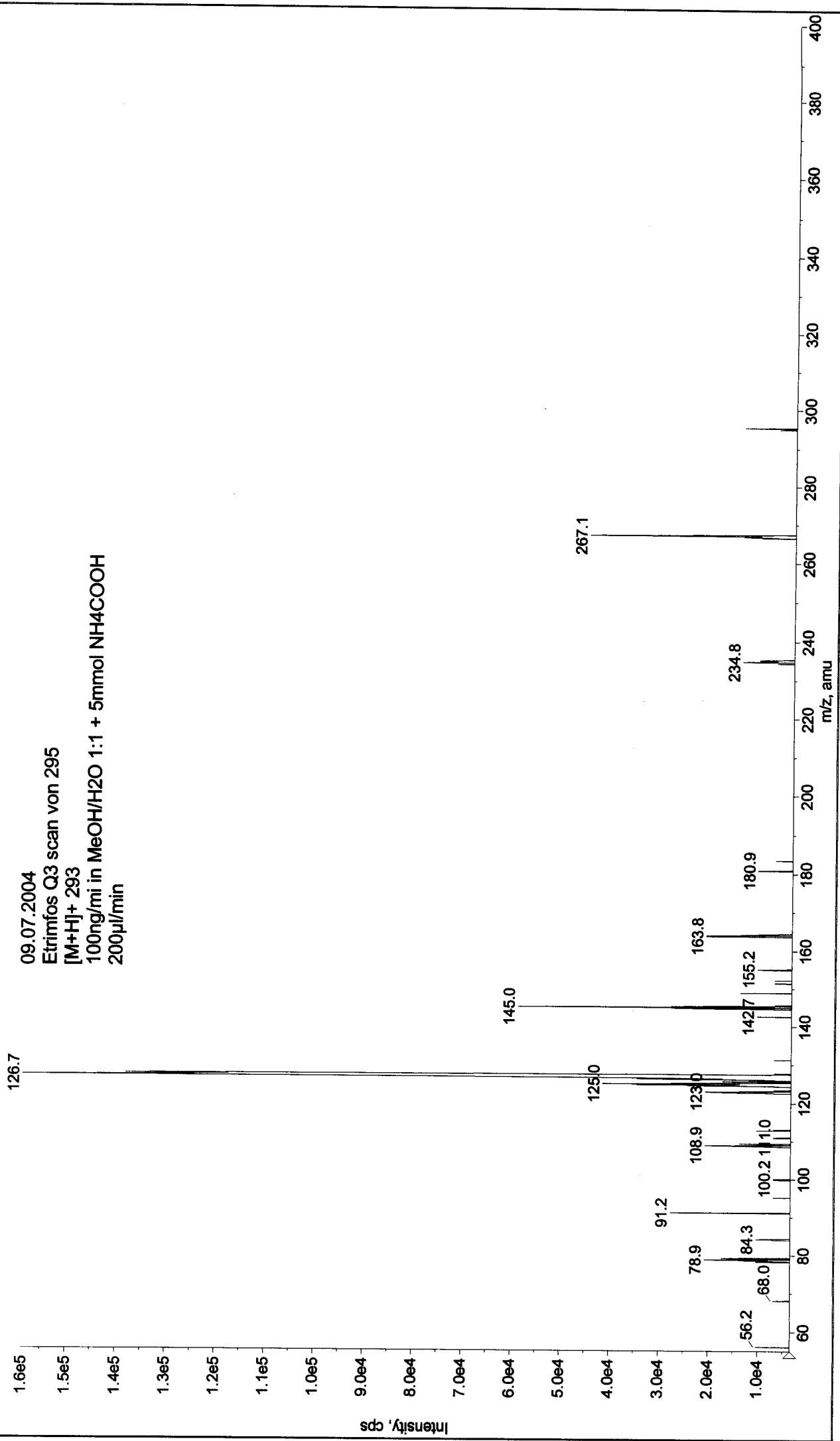
Printing Time: 10:18:23
Printing Date: Friday, July 09, 2004

Acq. Time: 10:17
Acq. Date: Friday, July 09, 2004
Acq. File: MT20040709101722.wiff

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

+MS2 (295.00): 30 MCA scans from Sample 1 (TuneSampleID) of MT20040709101722.wiff (Turbo Spray)

Max. 1.6e5 cps.



+MS2 (293.00): 30 MCA scans from Sample 1 (TuneSampleID) of MT20040709103306.wiff (Turbo Spray) Max. 2.6e6 cps

09.07.2004
Etrinfos_265 Q3 scan 293 -> 265
[M+H]⁺ 293
100ng/ml in MeOH/H₂O 1:1 + 5mmol NH₄COOH
200µl/min

