

**BfR**

Risiken erkennen – Gesundheit schützen

MS/MS Parameters of Pesticides

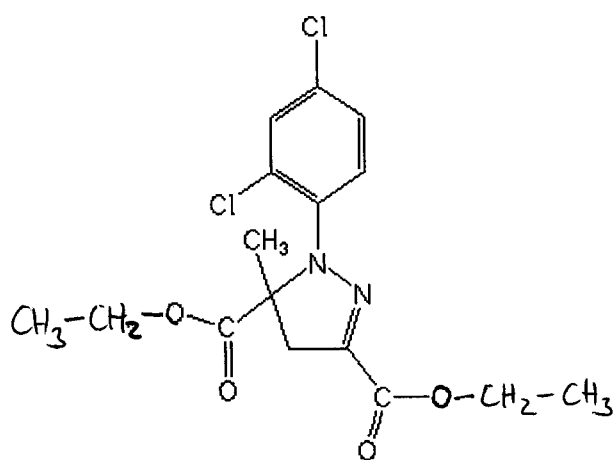
Analyte: Mefenpyr-diethyl

CAS No.: 135590-91-9

Formula: C₁₆H₁₈Cl₂N₂O₄

Molecular mass (lowest isotopes): 372,06 amu

Structure:



Ionisation: ESI +

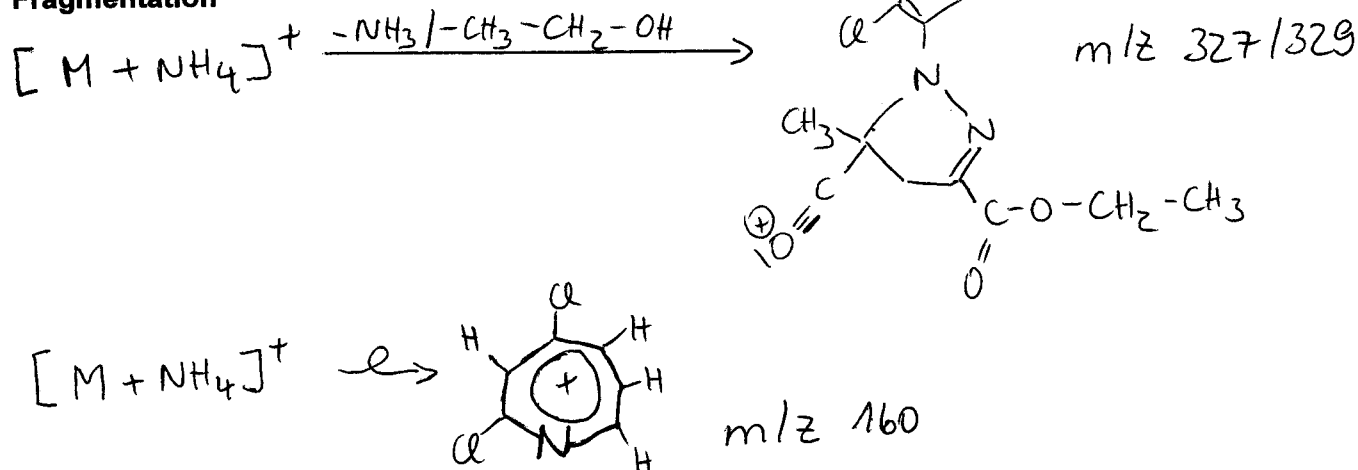
Quasimolecular ion: 390,1 amu = [M+NH₄]⁺

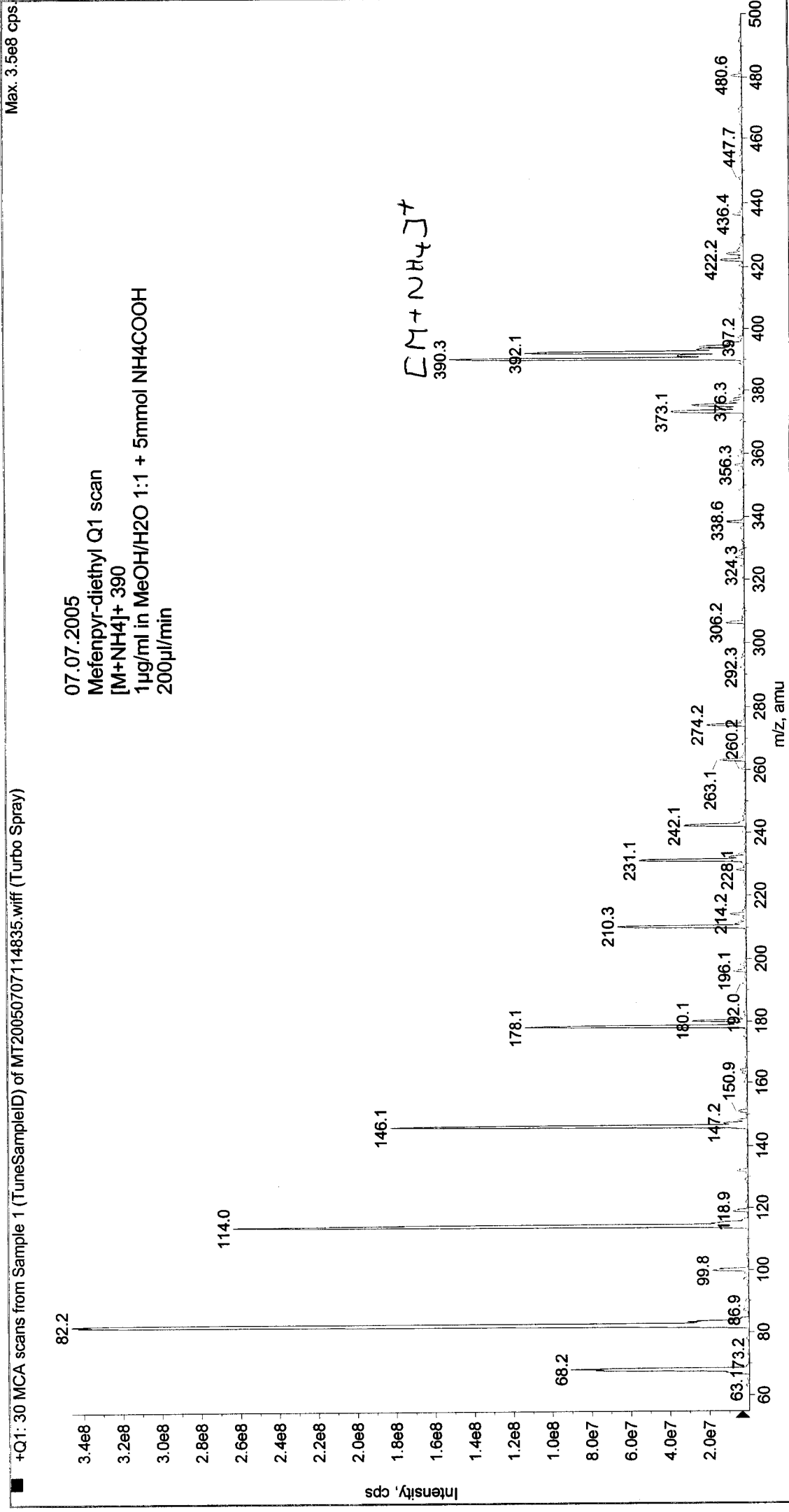
Analyte sensitive parameter set (API 2000)

Transition	390,1 → 327,1	390,1 → 160,1
Declustering potential (DP) ^{*)}	1 V	1 V
Focusing potential (FP)	370 V	370 V
Entrance potential (EP)	12,0 V	8,5 V
Collision cell entrance potential (CEP)	20 V	20 V
Collision energy (CE)	23 V	49 V
Collision cell exit potential (CXP)	18 V	8 V

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

Fragmentation





Printing Time: 11:52:20

Printing Date: Thursday, July 07, 2005

Acq. Time: 11:51

Acq. Date: Thursday, July 07, 2005

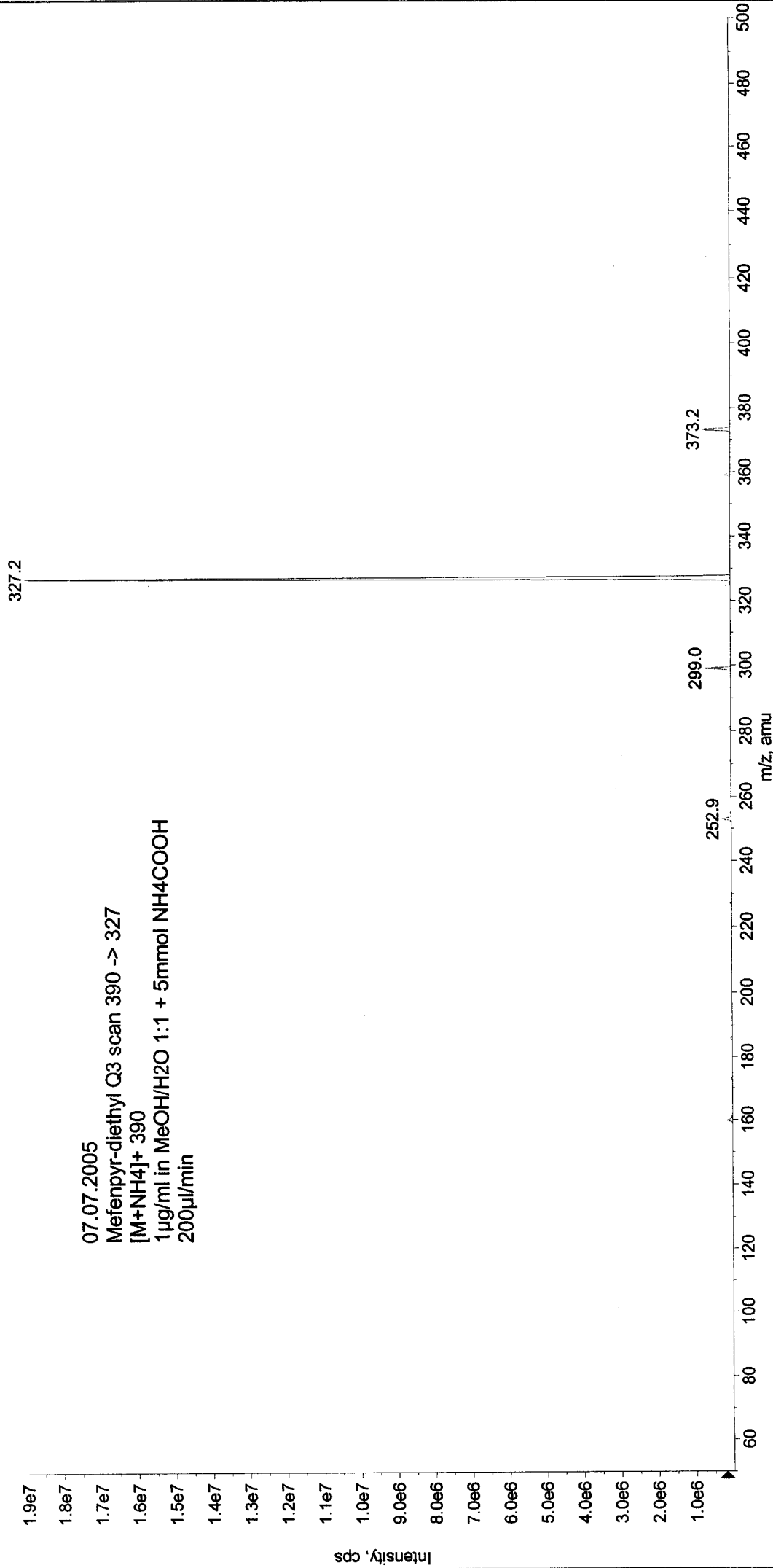
Acq. File: MT20050707115107.wiff

Sample Comment:

Sample Name: TuneSampleID

Batch Name: ManualTune.bat

+MS2 (390.00): 30 MCA scans from Sample 1 (TuneSampleID) of MT20050707115107.wiff (Turbo Spray) Max. 1.9e7 cps.



Printing Time: 11:53:37

Printing Date: Thursday, July 07, 2005

Acq. Time: 11:52

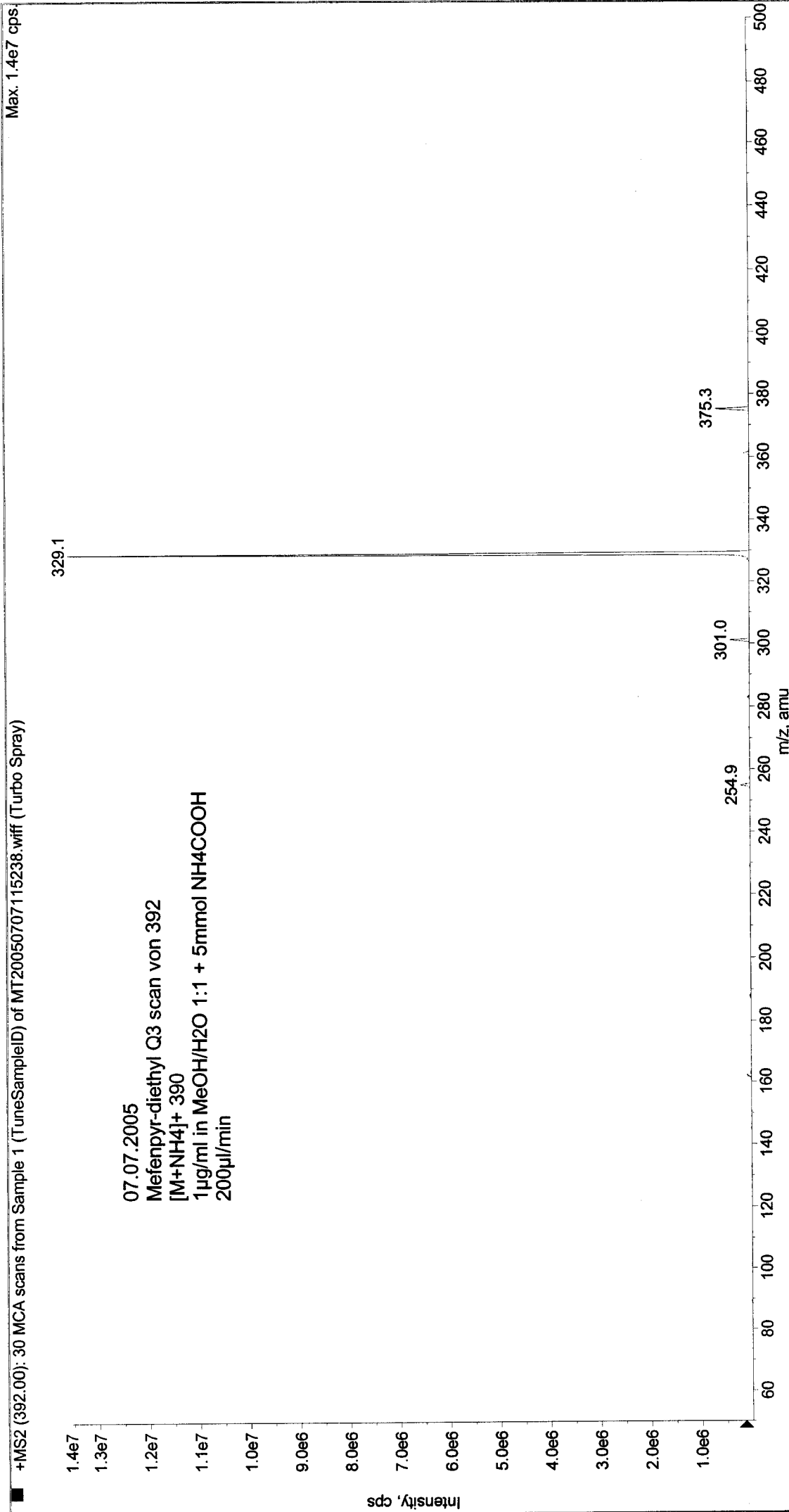
Acq. Date: Thursday, July 07, 2005

Acq. File: MT20050707115238.wiff

Sample Comment:

Sample Name: TuneSampleID

Batch Name: ManualTune.bat



Printing Time: 11:57:11

Printing Date: Thursday, July 07, 2005

Acq. Time: 11:56

Acq. Date: Thursday, July 07, 2005

Acq. File: MT20050707115608.wiff

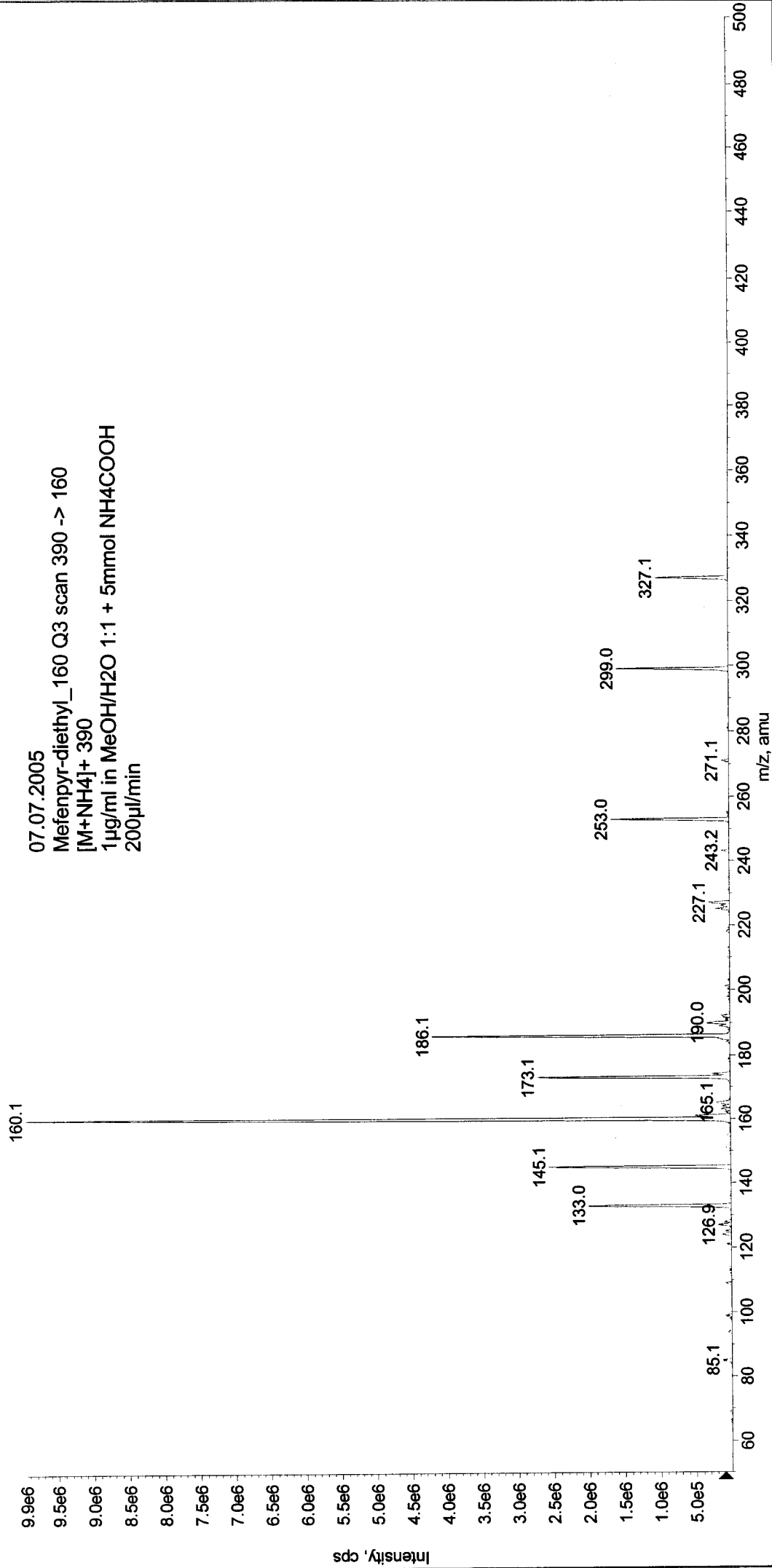
Sample Comment:

Sample Name: TuneSampleID

Batch Name: ManualTune.bat

Max. 9.9e6 cps

+MS2 (390.00): 30 MCA scans from Sample 1 (TuneSampleID) of MT20050707115608.wiff (Turbo Spray)



Printing Time: 11:58:22
Printing Date: Thursday, July 07, 2005

Acq. Time: 11:57
Acq. Date: Thursday, July 07, 2005
Acq. File: MT20050707115722.wiff

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

■ +MS2 (392.00): 30 MCA scans from Sample 1 (TuneSampleID) of MT20050707115722.wiff (Turbo Spray)

Max. 6.7e6 cps

