

**BfR**

Risiken erkennen – Gesundheit schützen

MS/MS Parameters of Pesticides

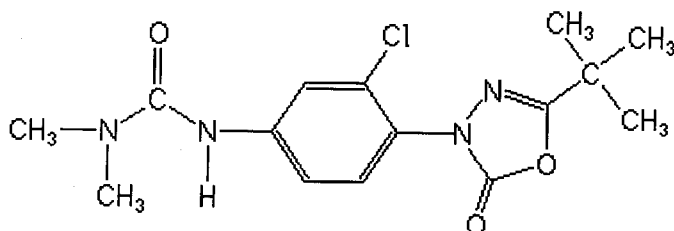
Analyte: Dimefuron

CAS No.: 34205-21-5

Formula: C₁₅H₁₉ClN₄O₃

Molecular mass (lowest isotopes): 338,12 amu

Structure:



Ionisation: ESI +

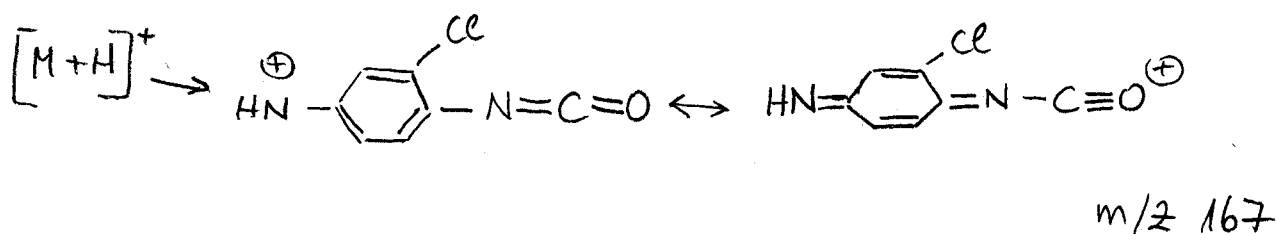
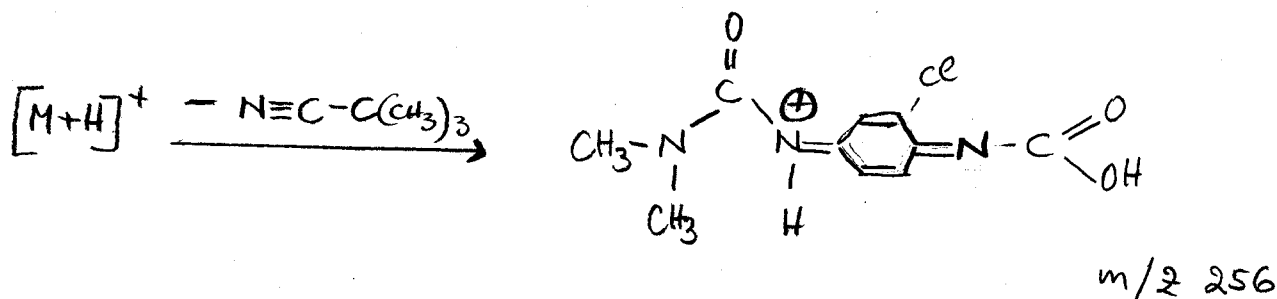
Quasimolecular ion: 339,1 amu = [M+H]⁺

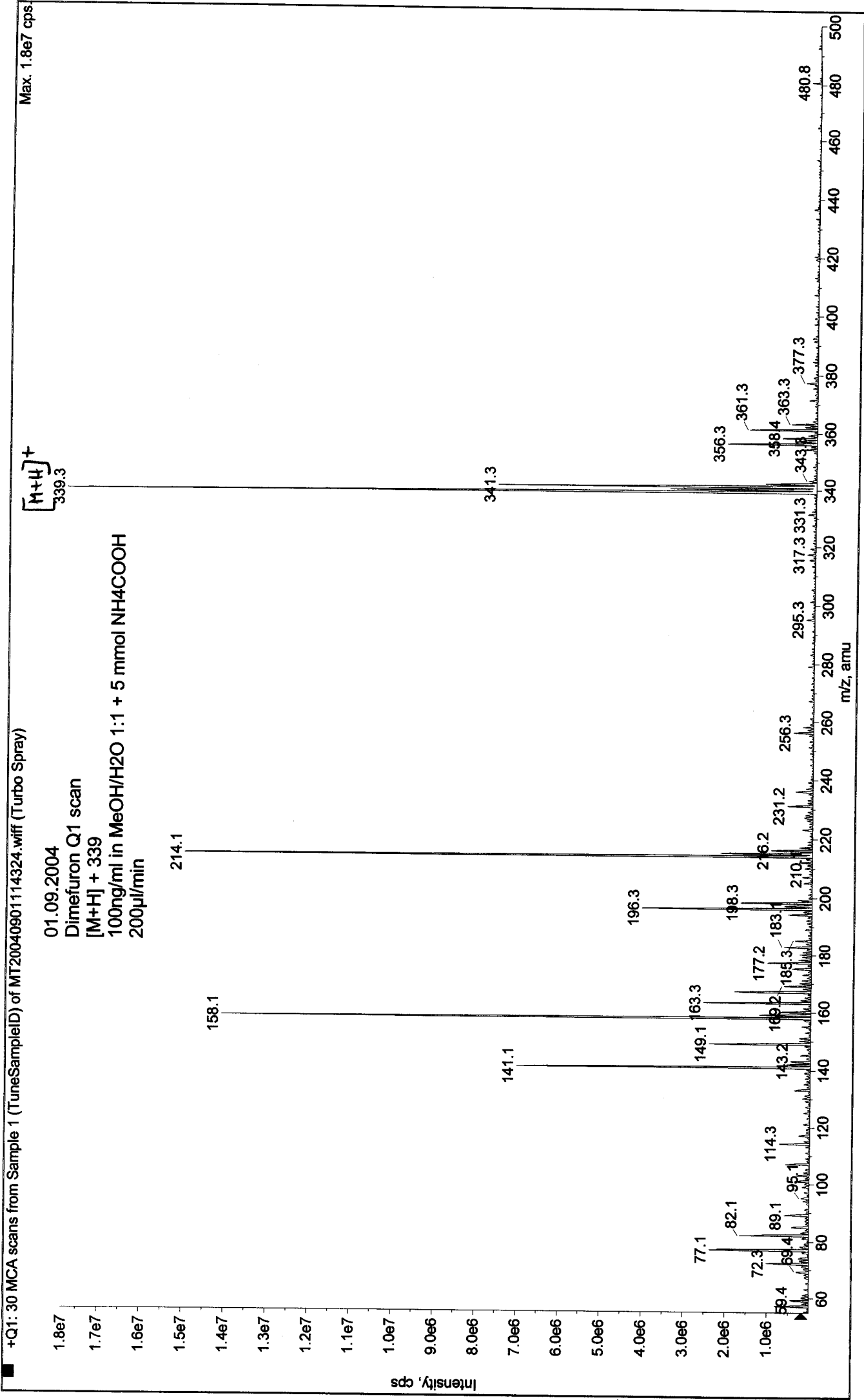
Analyte sensitive parameter set (API 2000)

| Transition | 339,1 → 167,0 | 339,1 → 256,0 |
|---|---------------|---------------|
| Declustering potential (DP) ^{*)} | 61 V | 61 V |
| Focusing potential (FP) | 330 V | 370 V |
| Entrance potential (EP) | 11,5 V | 12,0 V |
| Collision cell entrance potential (CEP) | 20 V | 22 V |
| Collision energy (CE) | 29 V | 21 V |
| Collision cell exit potential (CXP) | 8 V | 14 V |

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

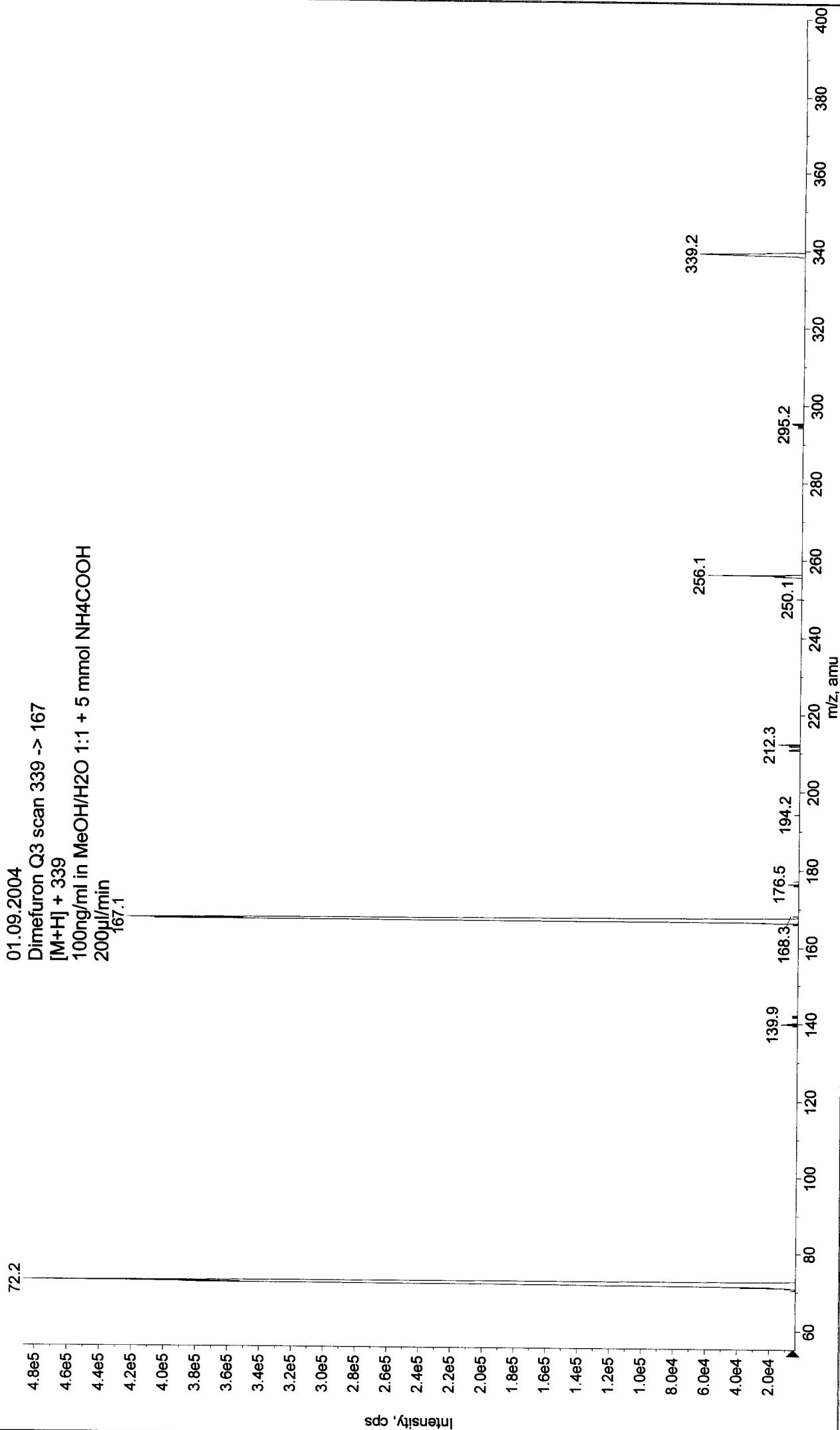
Fragmentation





+MS2 (339.00): 30 MCA scans from Sample 1 (TuneSampleID) of MT20040901114528.wiff (Turbo Spray) Max. 4.9e5 cps

01.09.2004
Dimefuron Q3 scan 339 -> 167
[M+H]⁺ + 339
100ng/ml in MeOH/H₂O 1:1 + 5 mmol NH₄COOH
200µl/min
167.1



Printing Time: 12:04:35

Printing Date: Wednesday, September 01, 2004

Acq. Time: 12:03

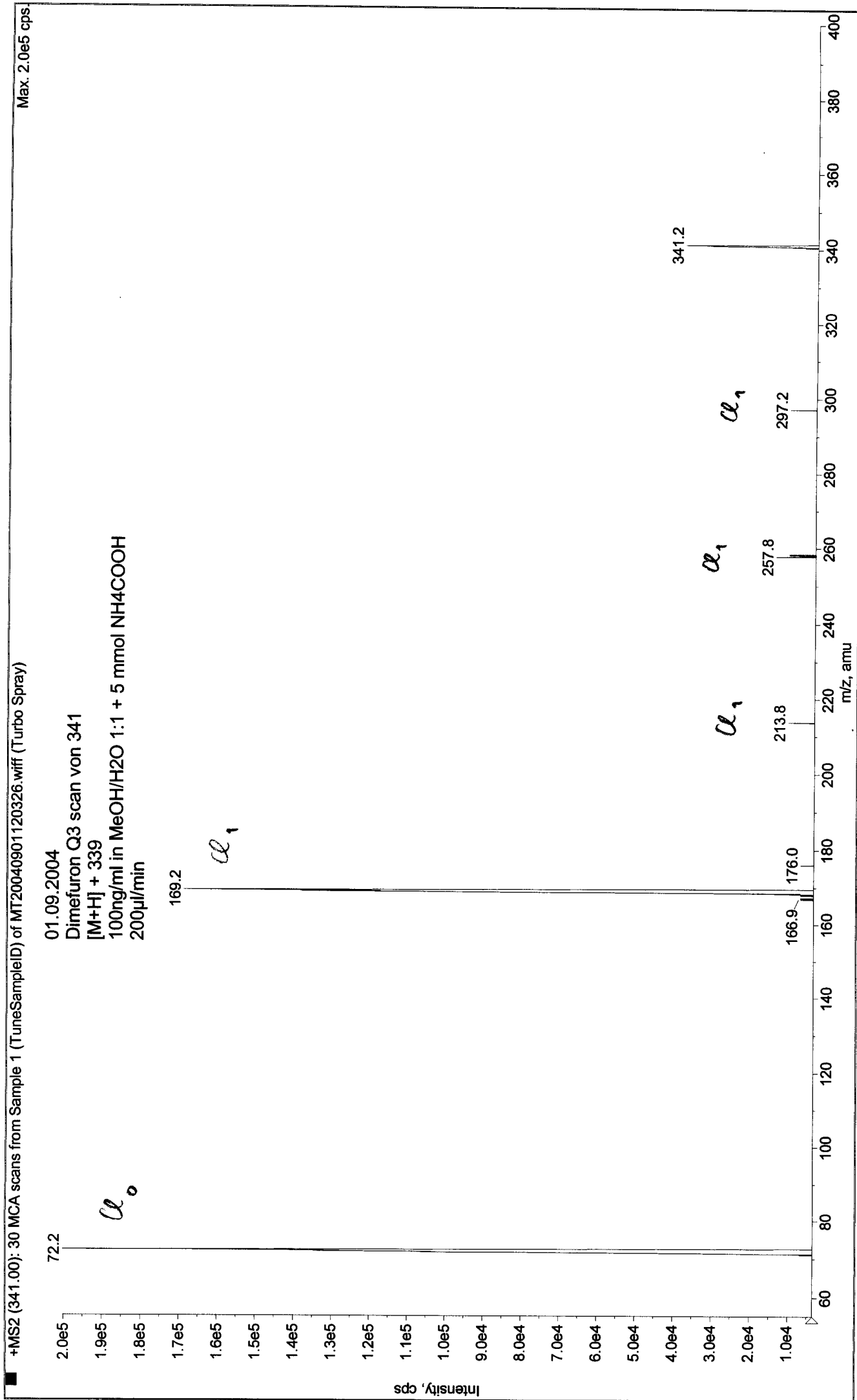
Acq. Date: Wednesday, September 01, 2004

Acq. File: MT20040901120326.wiff

Sample Comment:

Sample Name: TuneSampleID

Batch Name: ManualTune.bat



Printing Time: 12:01:03
Printing Date: Wednesday, September 01, 2004

Acq. Time: 11:59
Acq. Date: Wednesday, September 01, 2004
Acq. File: MT20040901115935.wiff

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

