

**BfR**

Risiken erkennen – Gesundheit schützen

## MS/MS Parameters of Pesticides

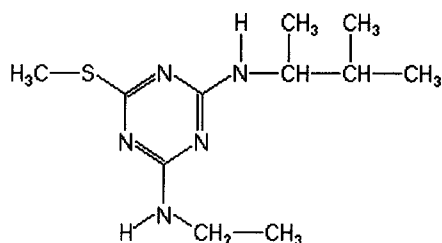
### Analyte: Dimethametryn

CAS No.: 22936-75-0

Formula: C<sub>11</sub>H<sub>21</sub>N<sub>5</sub>S

Molecular mass (lowest isotopes): 255,15 amu

Structure:



Ionisation: ESI +

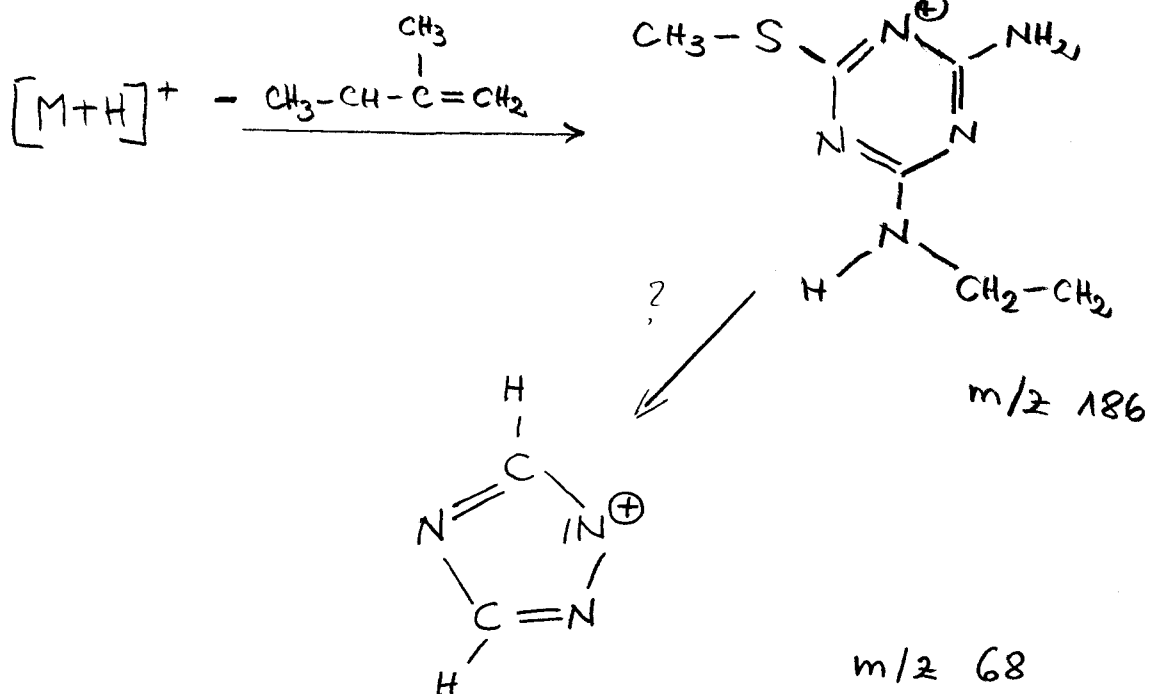
Quasimolecular ion: 256,2 amu = [M+H]<sup>+</sup>

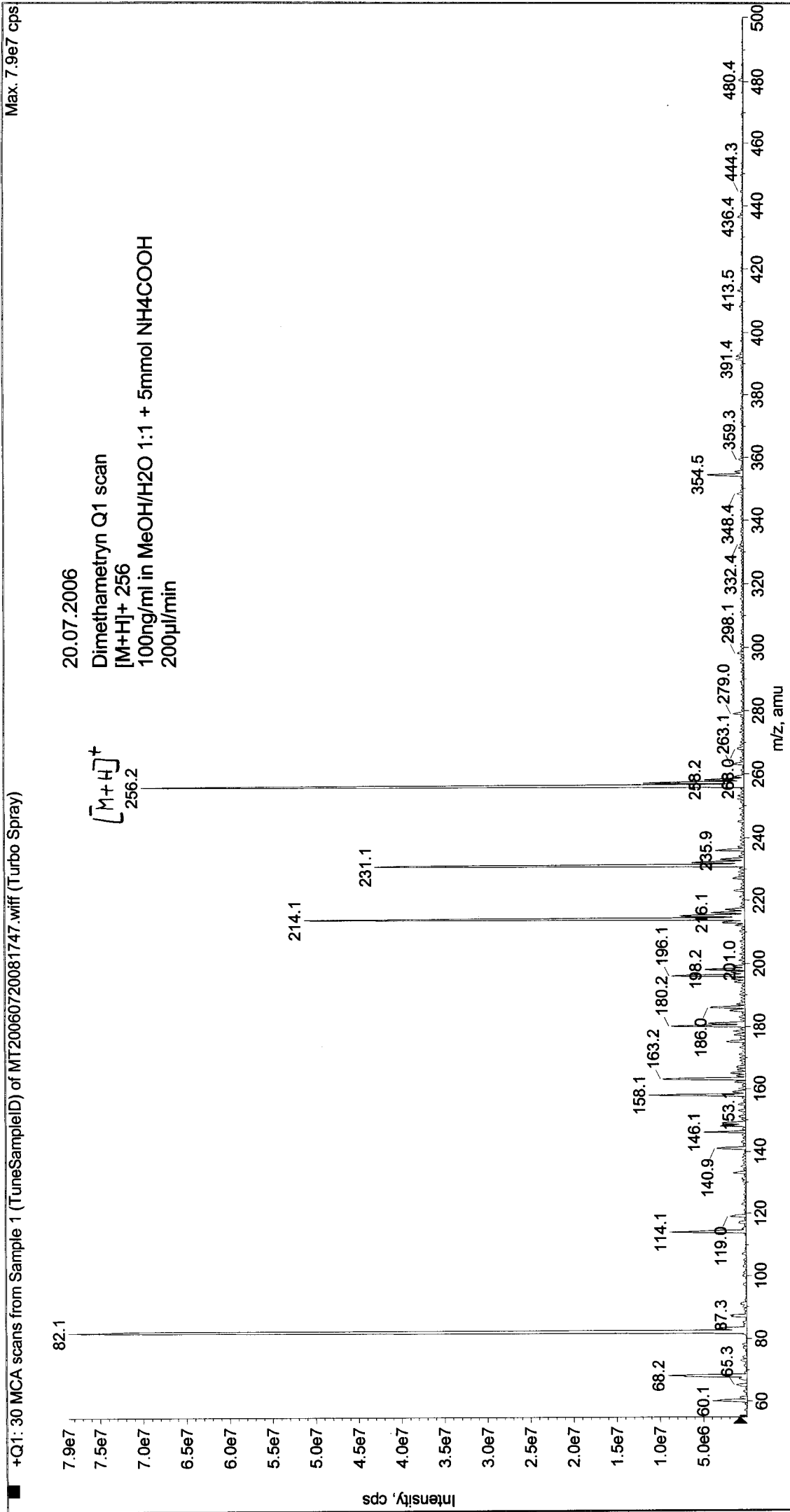
Analyte sensitive parameter set (API 2000)

Transition	256,2 → 186,1	256,2 → 68,1
Declustering potential (DP) <sup>*)</sup>	44 V	44 V
Focusing potential (FP)	320 V	340 V
Entrance potential (EP)	12,0 V	12,0 V
Collision cell entrance potential (CEP)	16 V	16 V
Collision energy (CE)	27 V	57 V
Collision cell exit potential (CXP)	10 V	10 V

<sup>\*)</sup> For API 3000 and 4000 enhance DP by 20V

### Fragmentation

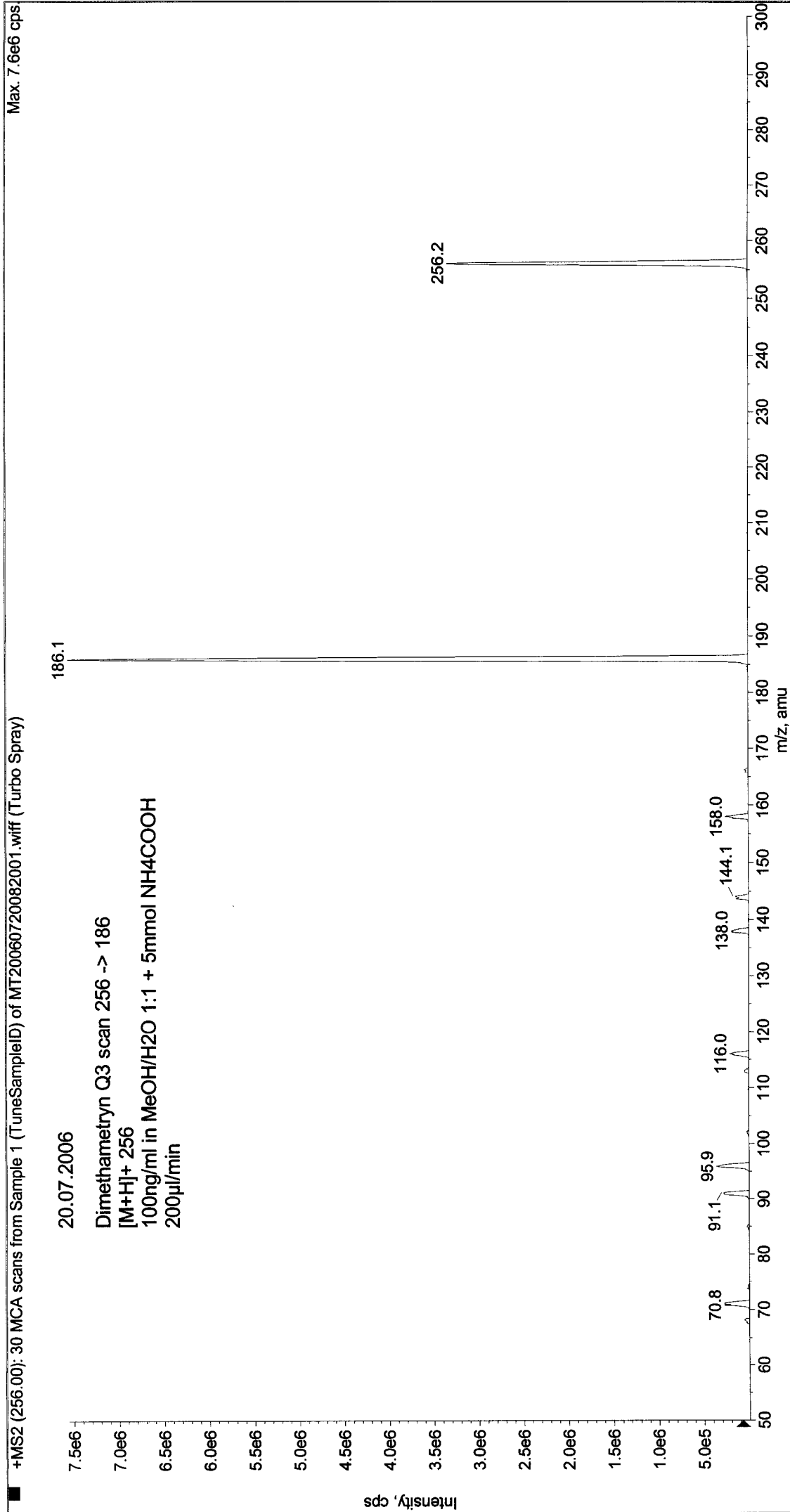




Printing Time: 8:21:06  
Printing Date: Thursday, July 20, 2006

Acq Time: 08:20  
Acq. Date: Thursday, July 20, 2006  
Acq. File: MT20060720082001.wiff

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



Printing Time: 8:22:21

Printing Date: Thursday, July 20, 2006

Acq. Time: 08:21

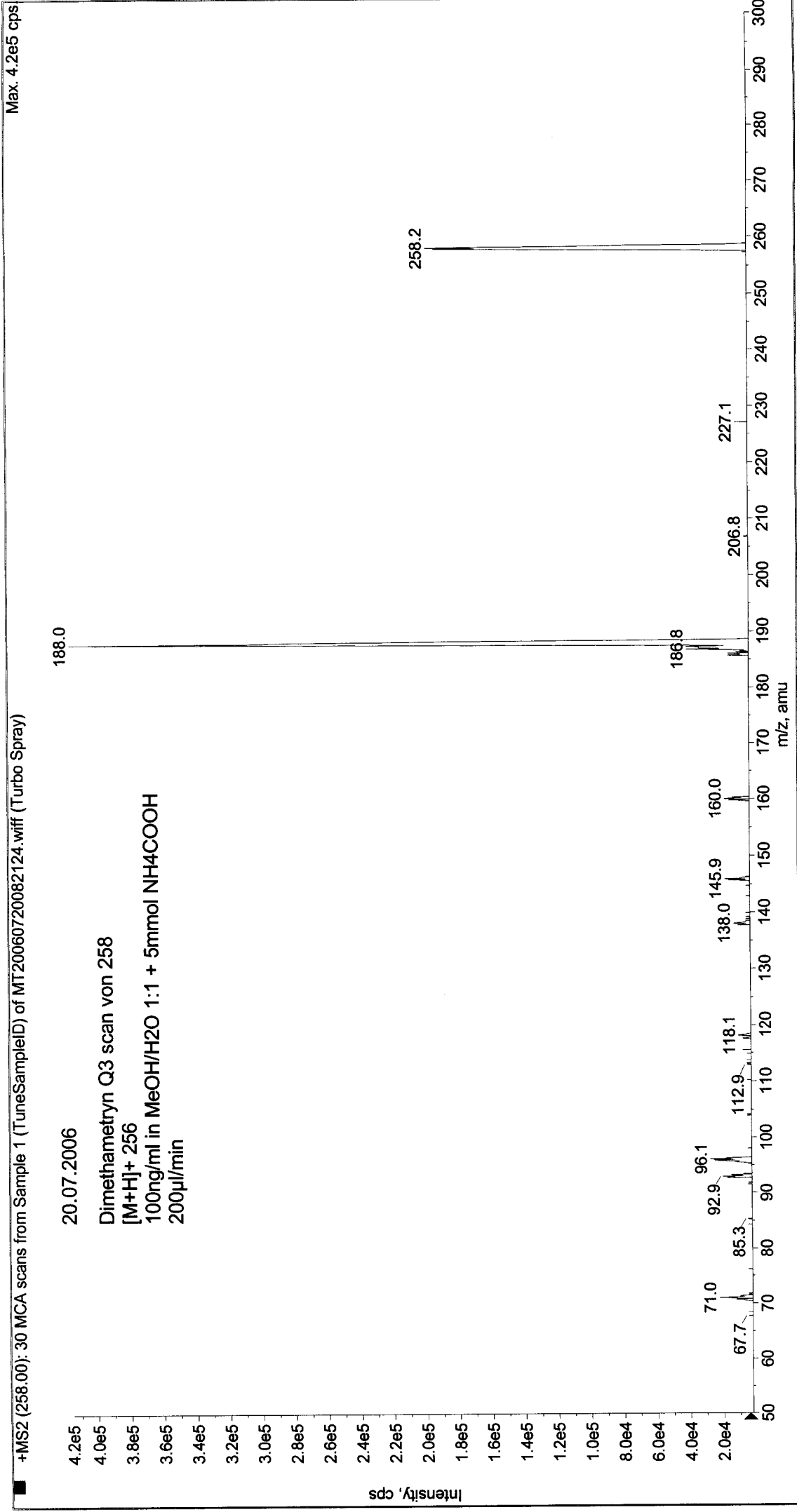
Acq. Date: Thursday, July 20, 2006

Acq. File: MT20060720082124.wiff

Sample Comment:

Sample Name: TuneSampleID

Batch Name: ManualTune.bat



Printing Time: 8:30:42

Printing Date: Thursday, July 20, 2006

Acq. Time: 08:29

Acq. Date: Thursday, July 20, 2006

Acq. File: MT20060720082928.wiff

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

■ +MS2 (256.00): 30 MCA scans from Sample 1 (TuneSampleID) of MT20060720082928.wiff (Turbo Spray)

Max. 2.1e6 cps

20.07.2006  
Dimethametryn\_68 Q3 scan 256 -> 68  
[M+H]<sup>+</sup> 256  
100ng/ml in MeOH/H<sub>2</sub>O 1:1 + 5mmol NH<sub>4</sub>COOH  
200µl/min

