

## MS/MS Parameters of Pesticides

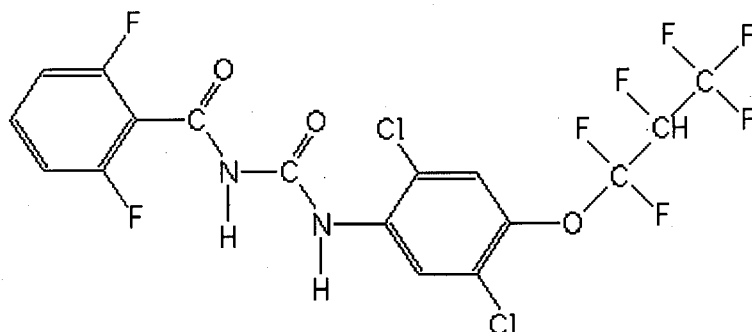
### Analyte: Lufenuron

CAS No.: 103055-07-8

Formula: C<sub>17</sub>H<sub>8</sub>Cl<sub>2</sub>F<sub>8</sub>N<sub>2</sub>O<sub>3</sub>

Molecular mass (lowest isotopes): 509,98 amu

Structure:



Ionisation: ESI +

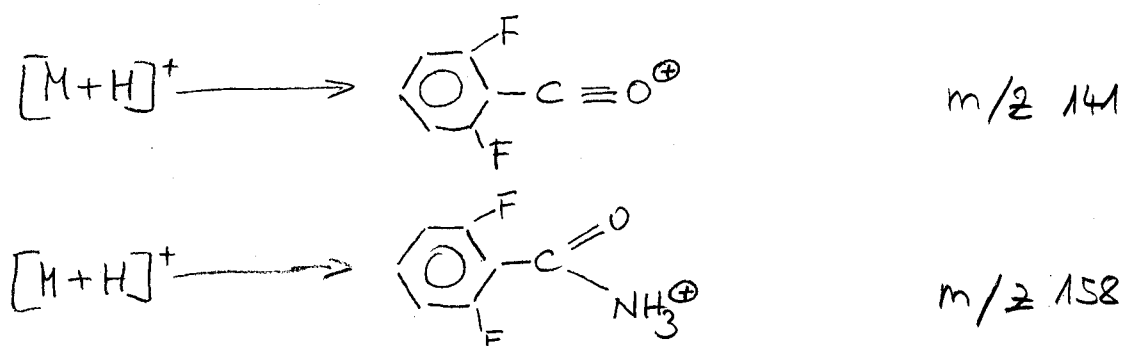
Quasimolecular ion: 510,9 amu = [M+H]<sup>+</sup>

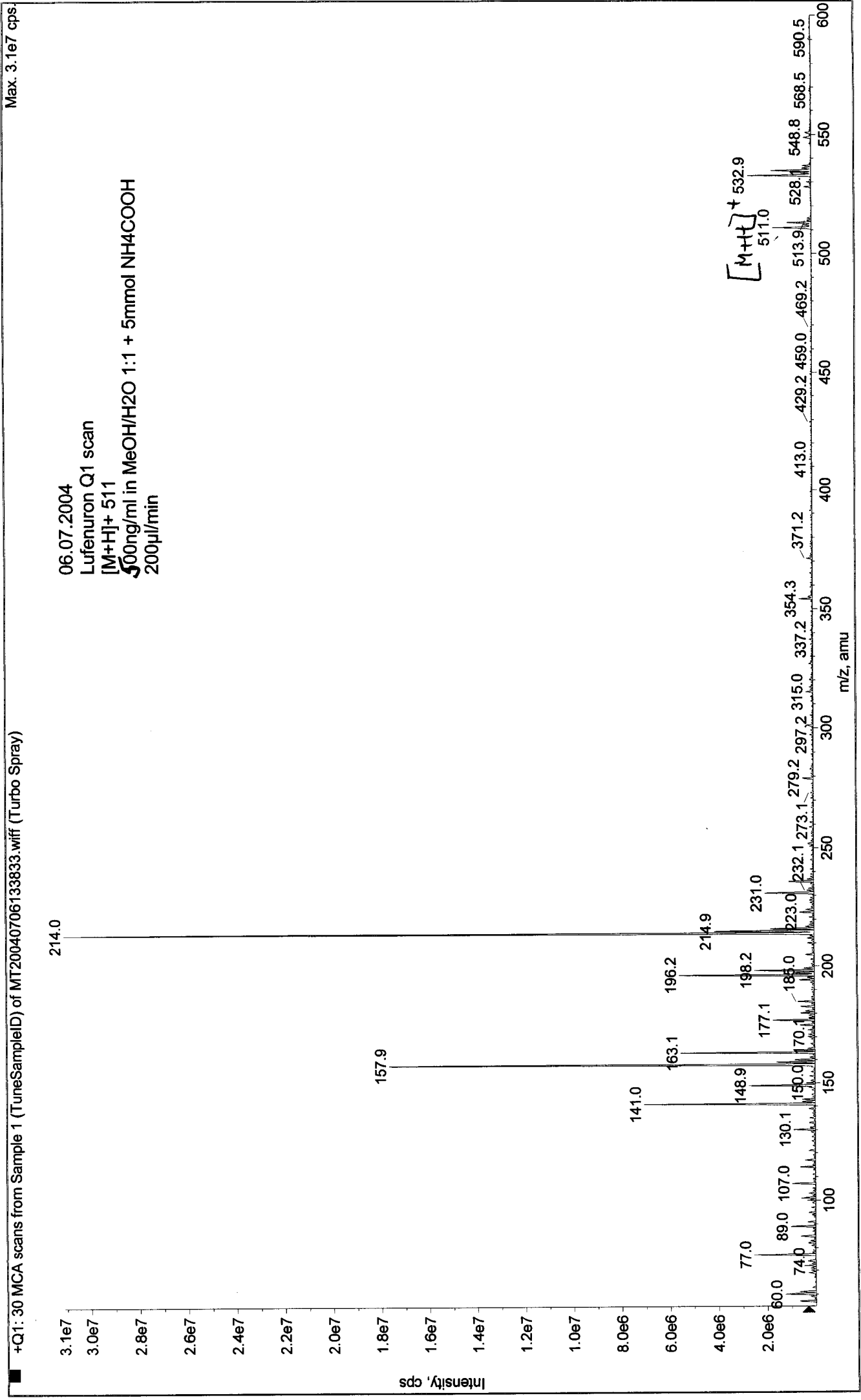
Analyte sensitive parameter set (API 2000)

Transition	510,9 → 158,2	510,9 → 141,2
Declustering potential (DP) <sup>*)</sup>	59V	59 V
Focusing potential (FP)	240 V	370 V
Entrance potential (EP)	12,0 V	11,5 V
Collision cell entrance potential (CEP)	22 V	24 V
Collision energy (CE)	27 V	67 V
Collision cell exit potential (CXP)	8 V	6 V

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

### Fragmentation





Printing Time: 13:41:55  
Printing Date: Tuesday, July 06, 2004

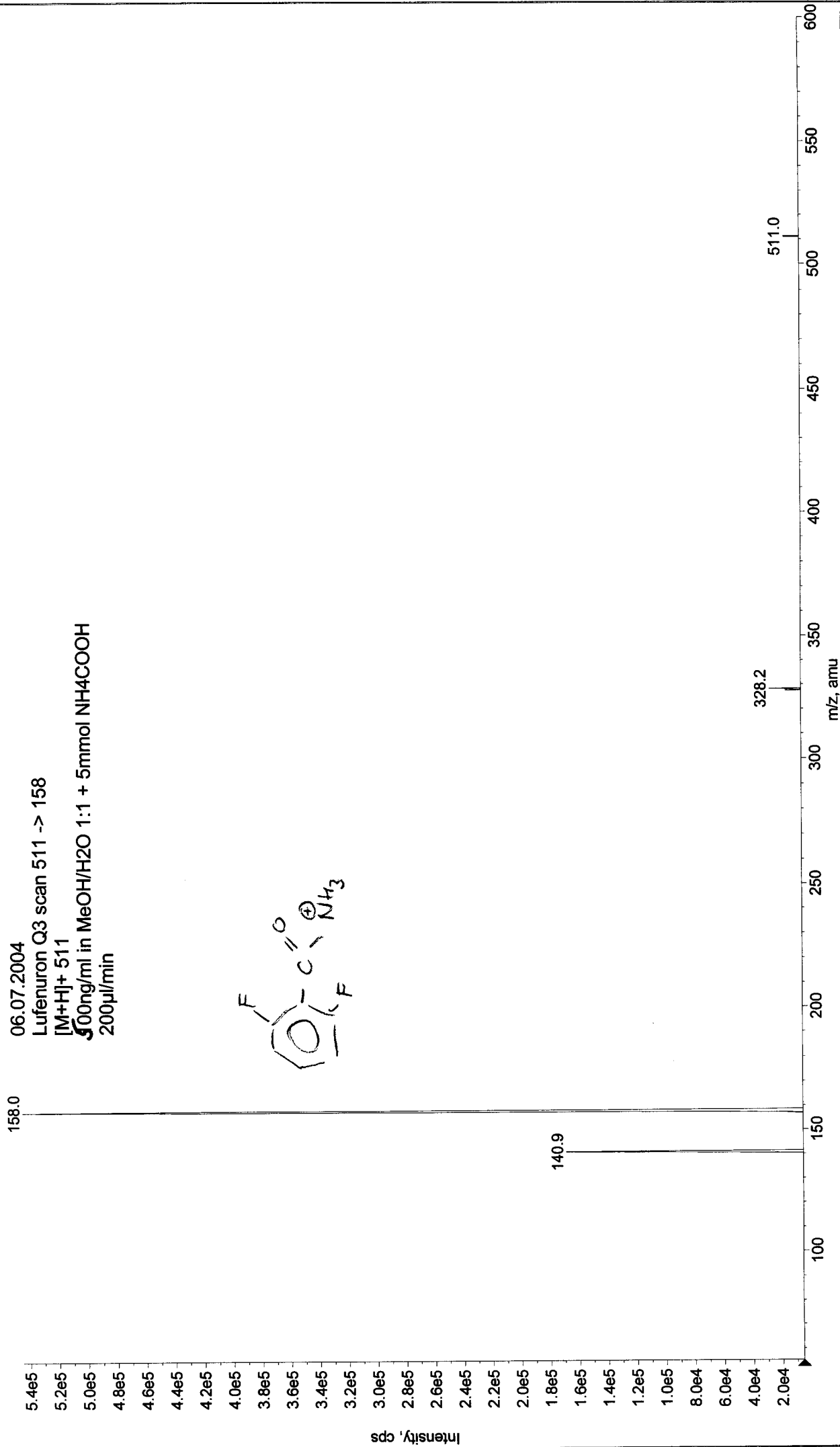
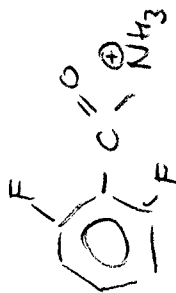
Acq. Time: 13:40  
Acq. Date: Tuesday, July 06, 2004  
Acq. File: MT20040706134041.wiff

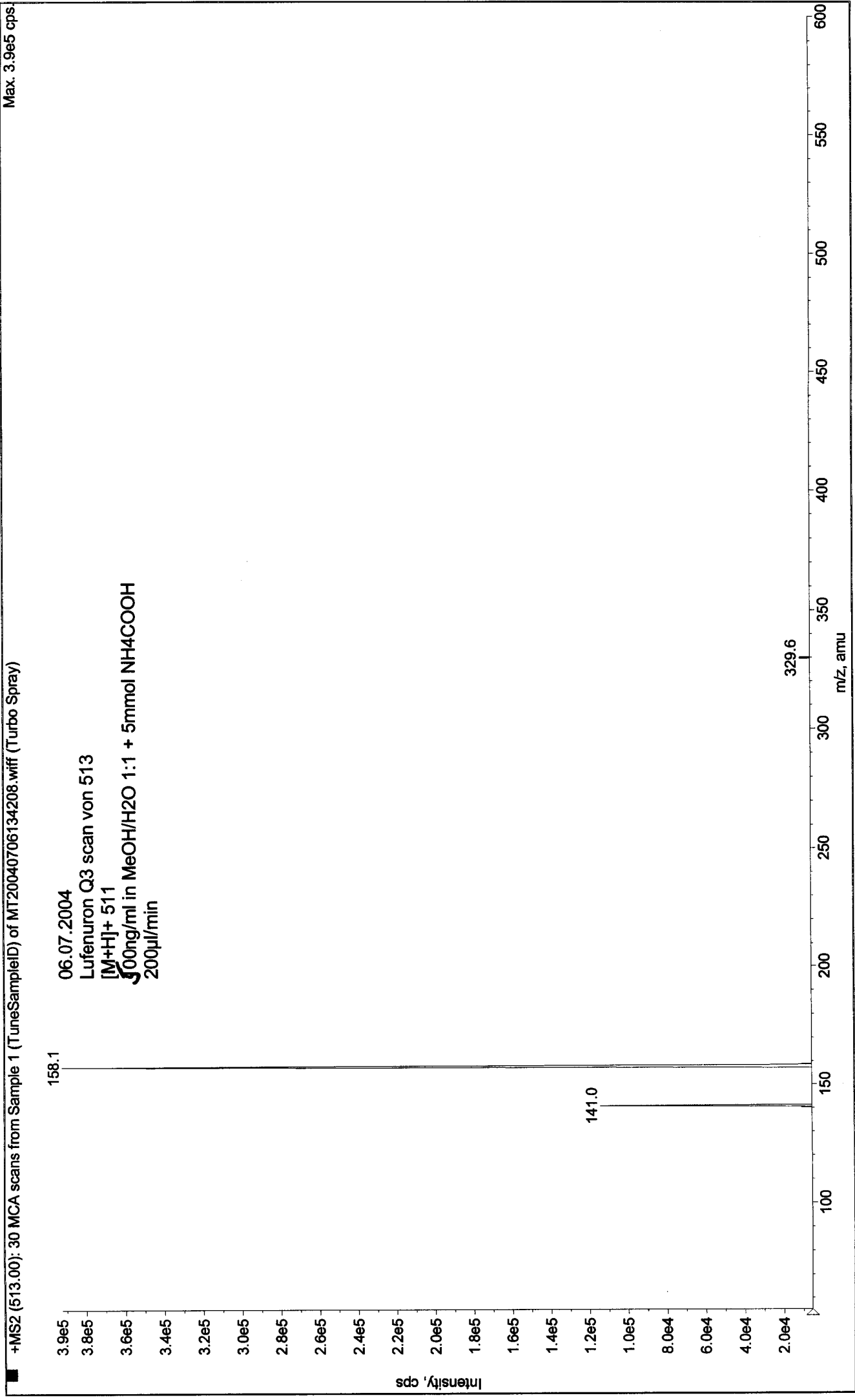
Sample Comment:  
Sample Name: TuneSampleID  
Batch Name: ManualTune.bat

Max. 5.5e5 cps

■ +MS2 (511.00): 30 MCA scans from Sample 1 (TuneSampleID) of MT20040706134041.wiff (Turbo Spray)

06.07.2004  
Lufenuron Q3 scan 511 -> 158  
[M+H]<sup>+</sup> 511  
500ng/ml in MeOH/H<sub>2</sub>O 1:1 + 5mmol NH<sub>4</sub>COOH  
200µl/min





Printing Time: 13:52:53  
Printing Date: Tuesday, July 06, 2004

Acq. Time: 13:51  
Acq. Date: Tuesday, July 06, 2004  
Acq. File: MT20040706135101.wiff

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

Max. 5.3e5 cps.

+MS2 (511.00): 30 MCA scans from Sample 1 (TuneSampleID) of MT20040706135101.wiff (Turbo Spray)

