

**BfR**

Risiken erkennen – Gesundheit schützen

## MS/MS Parameters of Pesticides

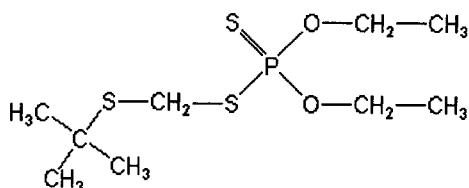
### Analyte: Terbufos

CAS No.: 13071-79-9

Formula: C<sub>9</sub>H<sub>21</sub>O<sub>2</sub>PS<sub>3</sub>

Molecular mass (lowest isotopes): 288,04 amu

Structure:



Ionisation: ESI +

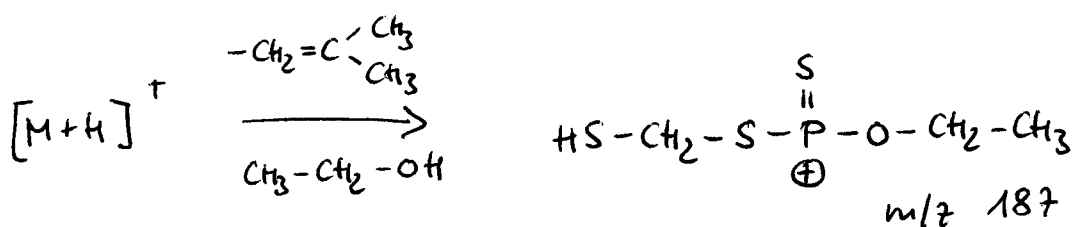
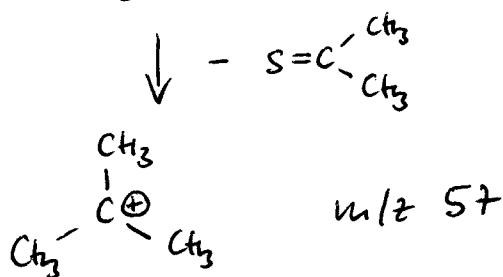
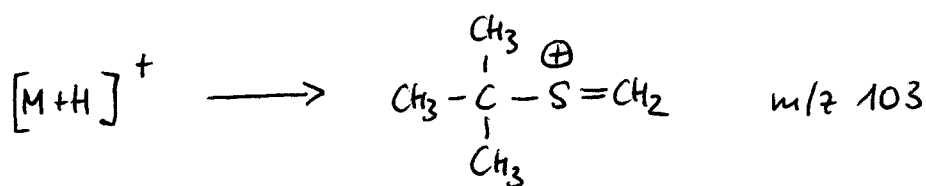
Quasimolecular ion: 289,0 amu = [M+H]<sup>+</sup>

Analyte sensitive parameter set (API 2000)

Transition	289,0 → 57,1	289,0 → 103,3
Declustering potential (DP)*)	31 V	31 V
Focusing potential (FP)	360 V	370 V
Entrance potential (EP)	8,0 V	10,0 V
Collision cell entrance potential (CEP)	16 V	18 V
Collision energy (CE)	35 V	15 V
Collision cell exit potential (CXP)	2 V	4 V

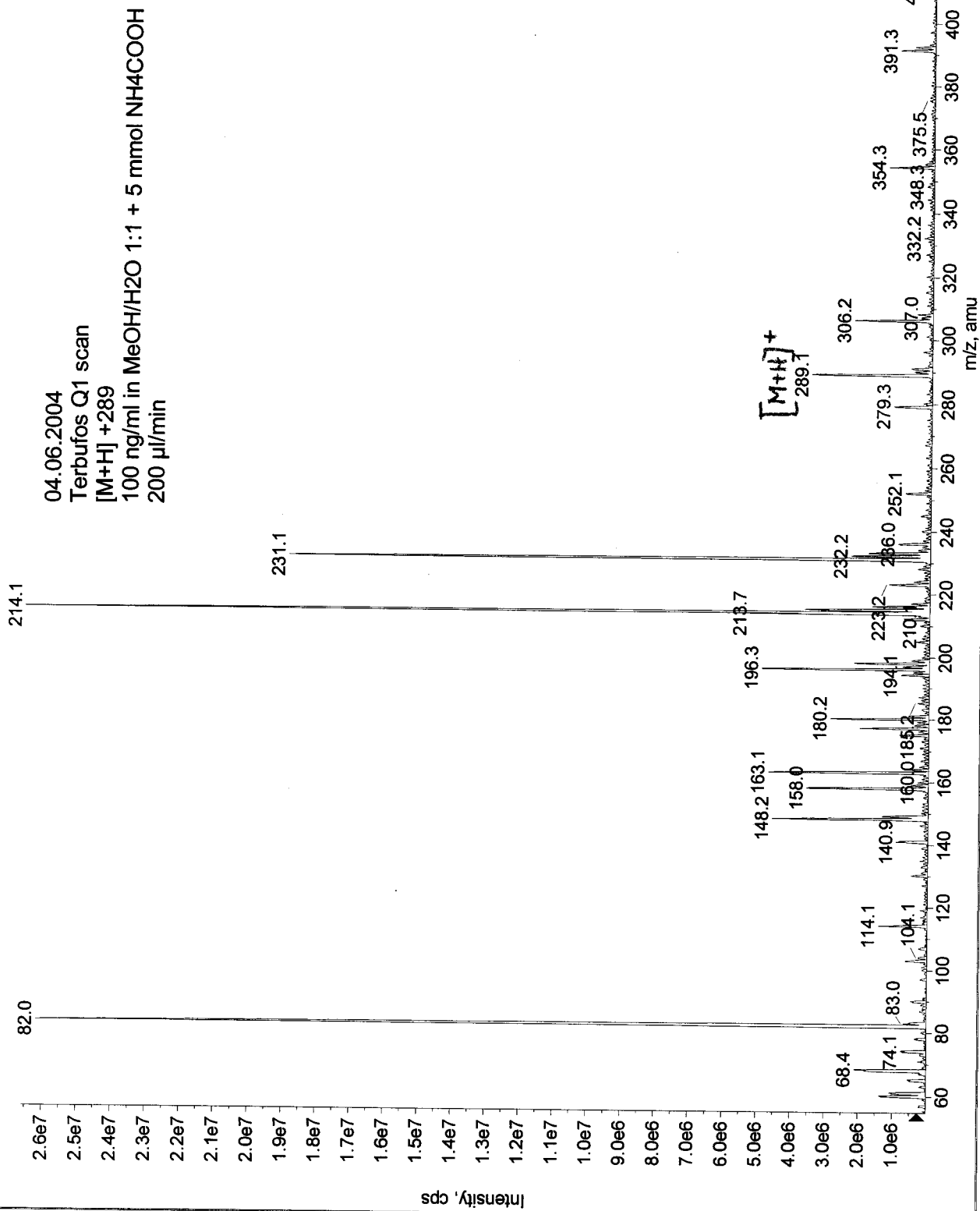
\*) For API 3000 and 4000 enhance DP by 20V

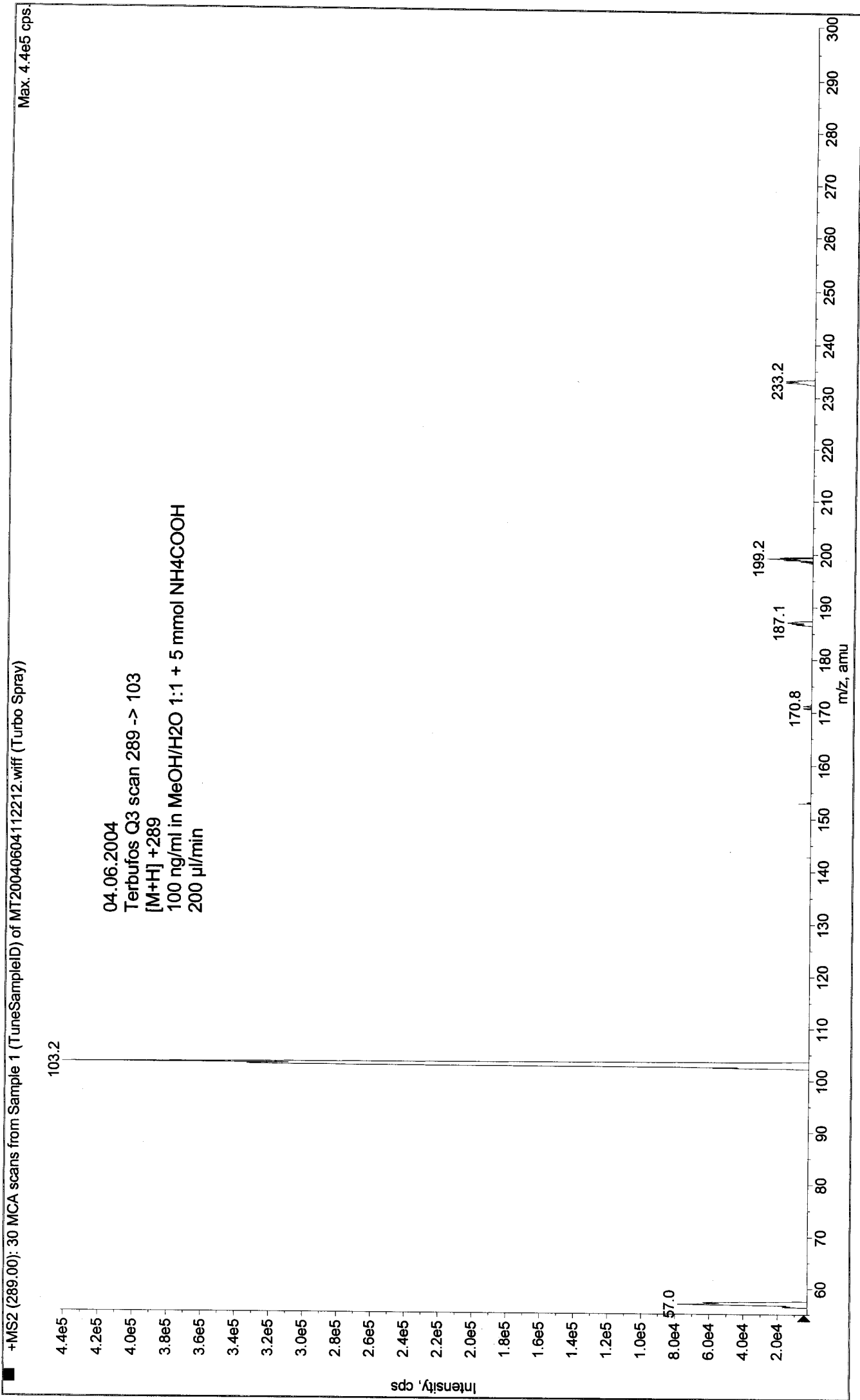
### Fragmentation



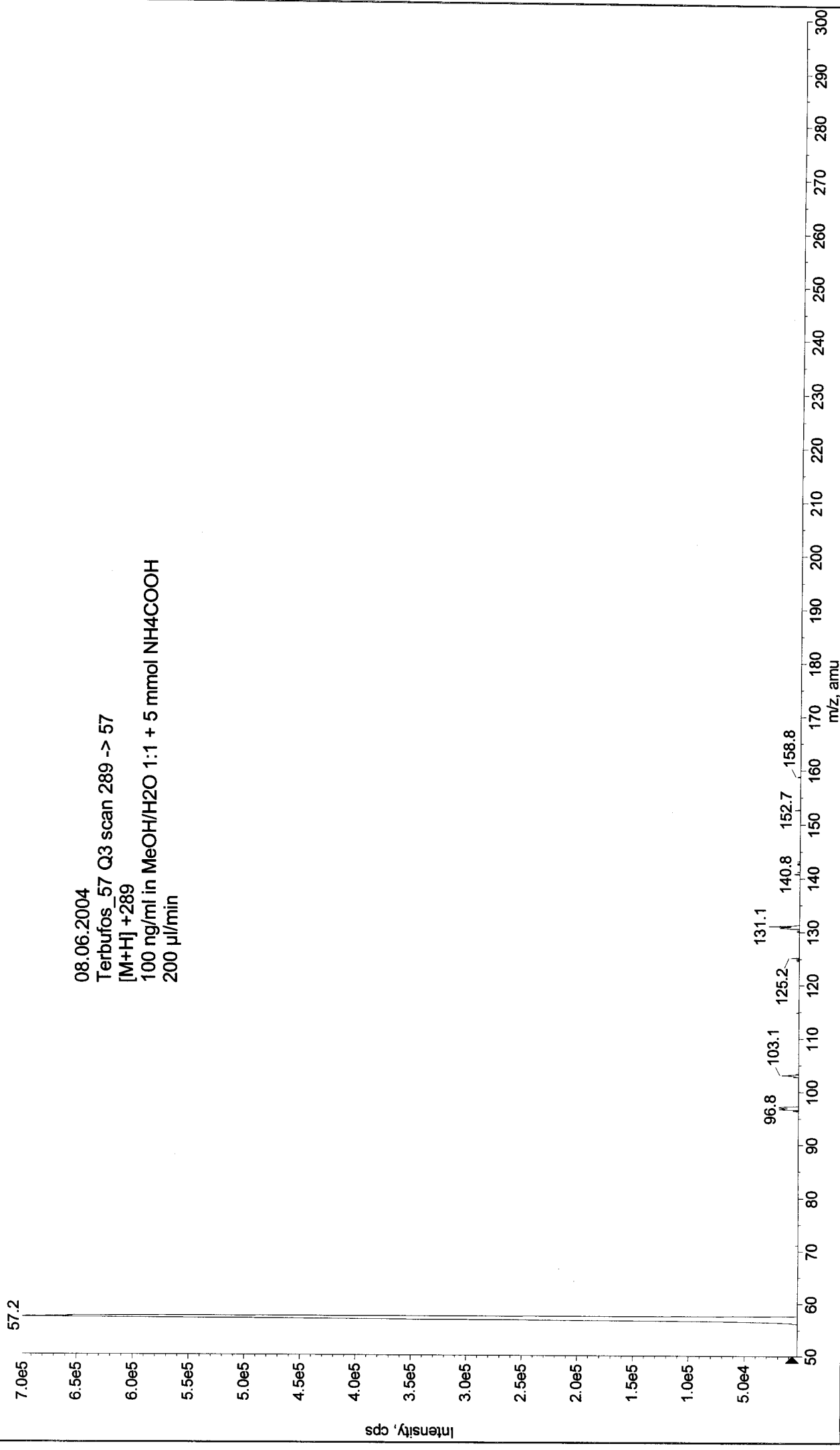
+Q1: 30 MCA scans from Sample 1 (TuneSampleID) of MT20040604111947.wiff (Turbo Spray)

Max. 2.7e7 cps.





+MS2 (289.00): 30 MCA scans from Sample 1 (TuneSampleID) of MT20040608103158.wiff (Turbo Spray) Max. 7.0e5 cps



Printing Time: 11:35:56  
Printing Date: Friday, June 04, 2004

Acq. Time: 11:33  
Acq. Date: Friday, June 04, 2004  
Acq. File: MT20040604113344.wiff

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

