

**BfR**

Risiken erkennen – Gesundheit schützen

## MS/MS Parameters of Pesticides

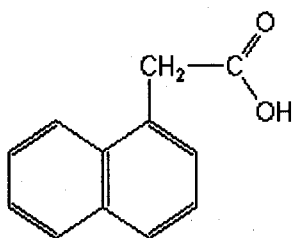
### Analyte: 1-Naphthyl acetic acid

CAS No.: 86-87-3

Formula: C<sub>12</sub>H<sub>10</sub>O<sub>2</sub>

Molecular mass (lowest isotopes): 186,07 amu

Structure:



Ionisation: ESI +

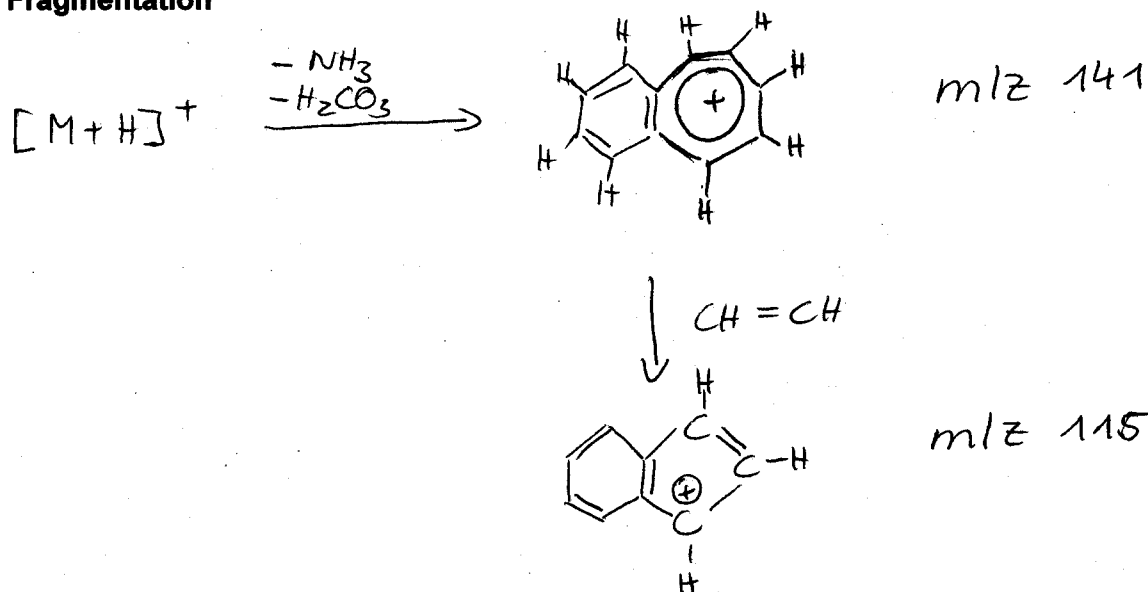
Quasimolecular ion: 204,1 amu = [M+NH<sub>4</sub>]<sup>+</sup>

Analyte sensitive parameter set (API 2000)

Transition	204,1 → 141,1	204,1 → 115,1
Declustering potential (DP) <sup>*)</sup>	39V	39 V
Focusing potential (FP)	50 V	370 V
Entrance potential (EP)	12 V	12 V
Collision cell entrance potential (CEP)	12 V	12 V
Collision energy (CE)	31 V	63 V
Collision cell exit potential (CXP)	8 V	6 V

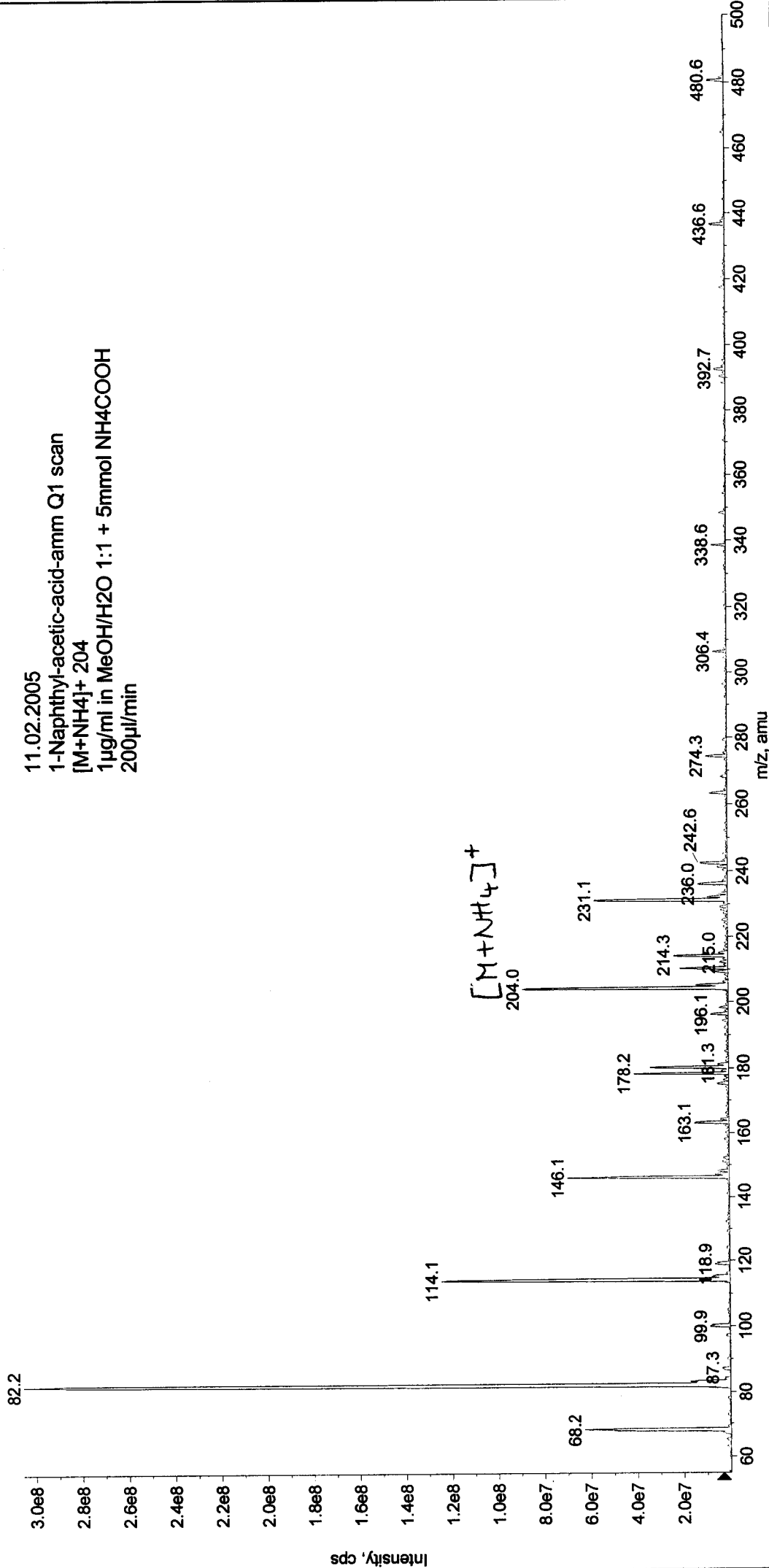
<sup>\*)</sup> For API 3000 and 4000 enhance DP by 20V

### Fragmentation



Max. 3.1e8 cps.

+Q1: 30 MCA scans from Sample 1 (TuneSampleID) of MT20050211083546.wiff (Turbo Spray)

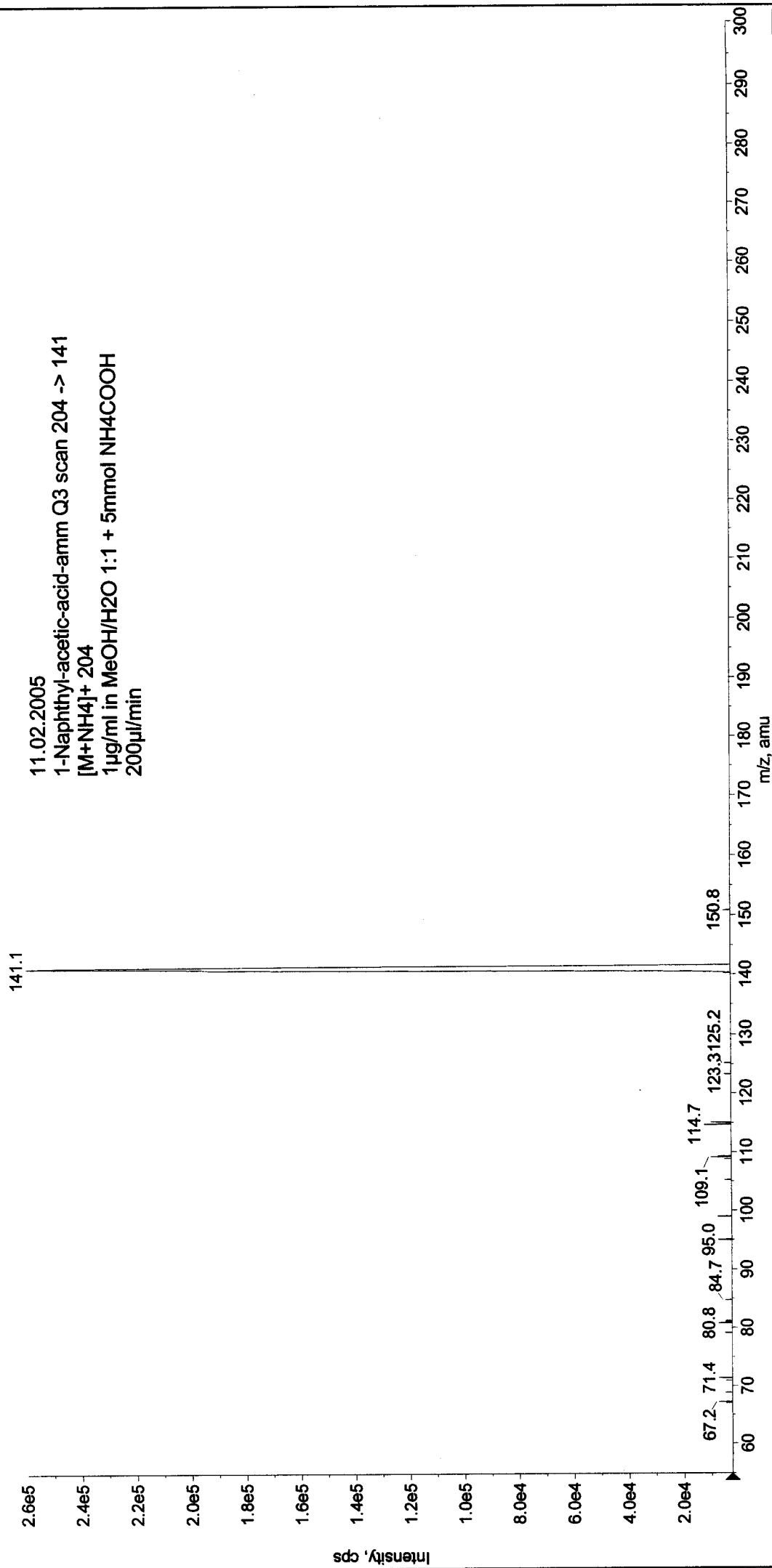


Printing Time: 8:33:55  
Printing Date: Friday, February 11, 2005

Acq. Time: 08:32  
Acq. Date: Friday, February 11, 2005  
Acq. File: MT20050211083228.wiff

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

+MS2 (204.00): 30 MCA scans from Sample 1 (TuneSampleID) of MT20050211083228.wiff (Turbo Spray) Max. 2.6e5 cps.



Printing Time: 8:43:49  
Printing Date: Friday, February 11, 2005

Acq. Time: 08:42  
Acq. Date: Friday, February 11, 2005  
Acq. File: MT20050211084232.wiff

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

