

**BfR**

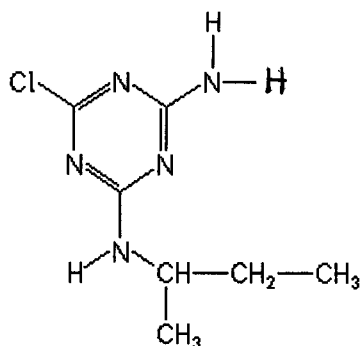
Risiken erkennen – Gesundheit schützen

## MS/MS Parameters of Pesticides

### Analyte: Sebuthylazine-desethyl

CAS No.: A-392  
Formula: C<sub>7</sub>H<sub>12</sub>ClN<sub>5</sub>  
Molecular mass (lowest isotopes): 201,09 amu

Structure:



Ionisation: ESI +

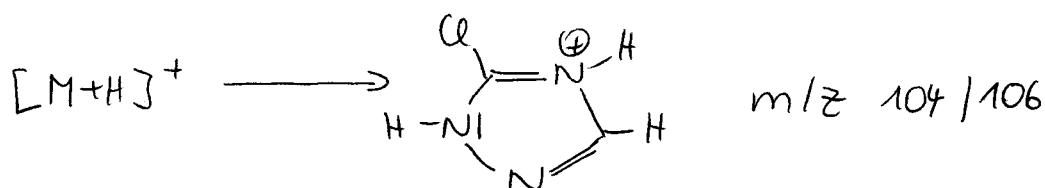
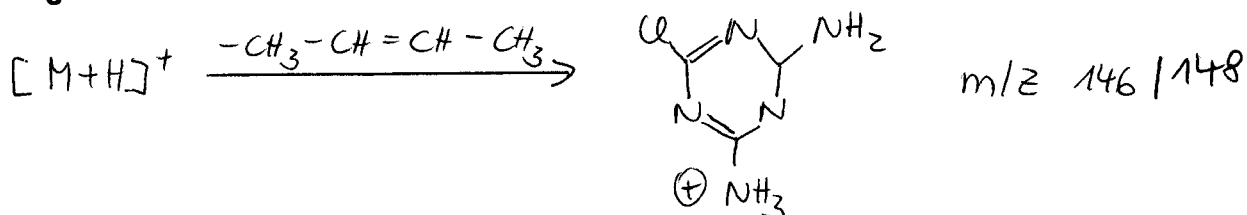
Quasimolecular ion: 202,1 amu = [M+H]<sup>+</sup>

Analyte sensitive parameter set (API 2000)

Transition	202,1 → 145,9	202,1 → 104,0
Declustering potential (DP) <sup>*)</sup>	51 V	51 V
Focusing potential (FP)	360 V	350 V
Entrance potential (EP)	10,5 V	10 V
Collision cell entrance potential (CEP)	12 V	12 V
Collision energy (CE)	25 V	35 V
Collision cell exit potential (CXP)	8 V	6 V

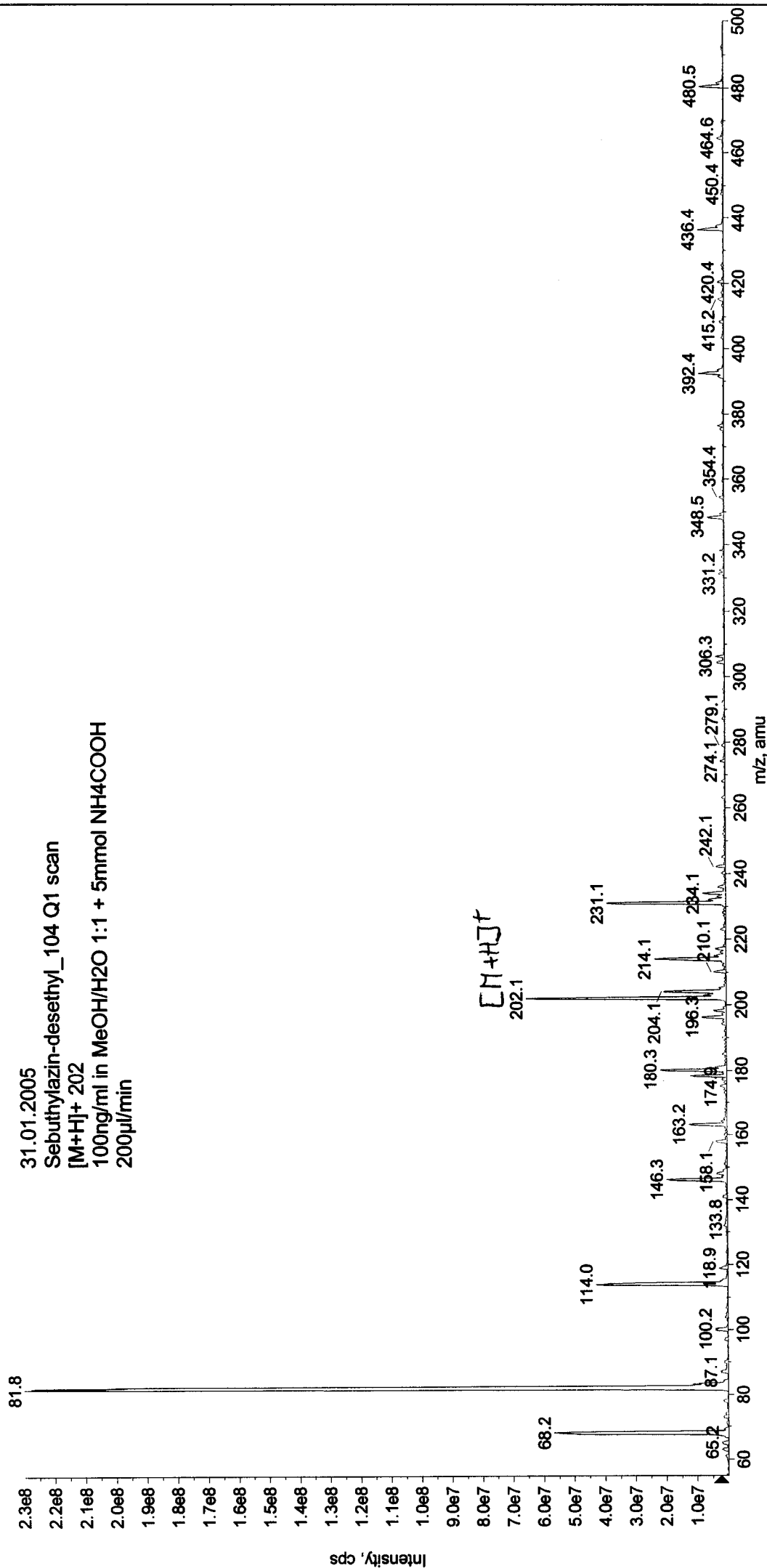
<sup>\*)</sup> For API 3000 and 4000 enhance DP by 20V

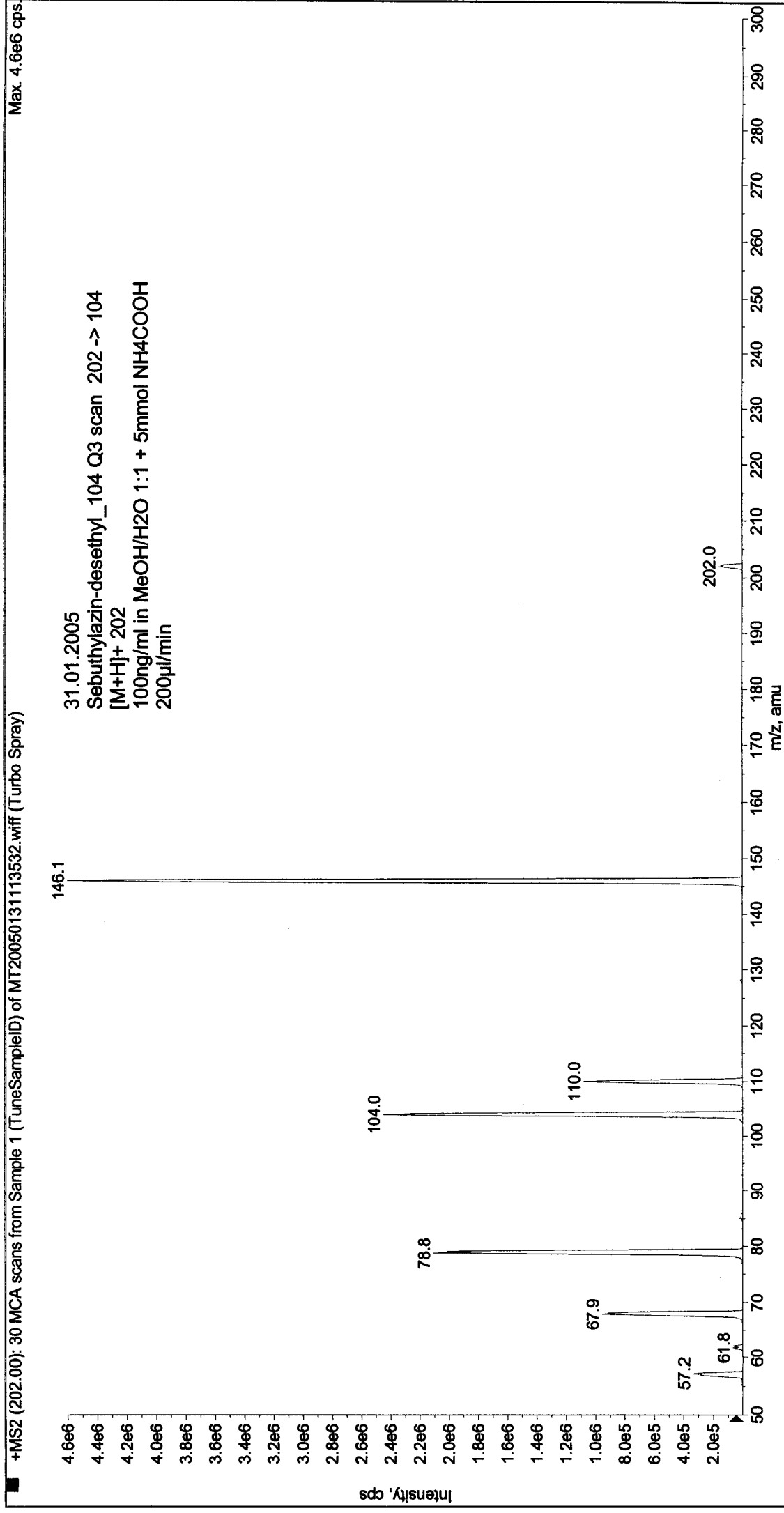
### Fragmentation



+Q1: 30 MCA scans from Sample 1 (TuneSampleID) of MT20050131113241.wiff (Turbo Spray) Max. 2.3e8 cps

31.01.2005  
Sebutylazin-desethyl\_104 Q1 scan  
[M+H]<sup>+</sup> 202  
100ng/ml in MeOH/H<sub>2</sub>O 1:1 + 5mmol NH<sub>4</sub>COOH  
200µl/min





+MS2 (204.00): 30 MCA scans from Sample 1 (TunesSampleID) of MT20050131113701.wiff (Turbo Spray) Max. 1.5e6 cps

