

**BfR**

Risiken erkennen – Gesundheit schützen

## MS/MS Parameters of Pesticides

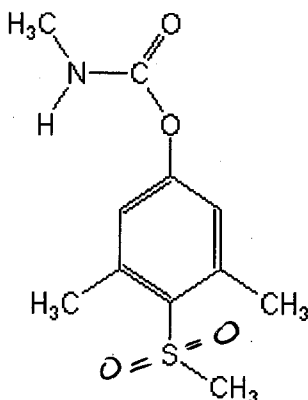
### Analyte: Methiocarb-sulfon

CAS No.: 2179-25-1

Formula: C<sub>11</sub>H<sub>15</sub>NO<sub>4</sub>S

Molecular mass (lowest isotopes): 257,10 amu

Structure:



Ionisation: ESI +

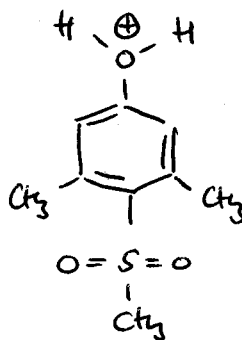
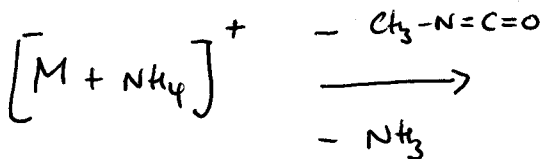
Quasimolecular ion: 275,1 amu = [M+NH<sub>4</sub>]<sup>+</sup>

Analyte sensitive parameter set (API 2000)

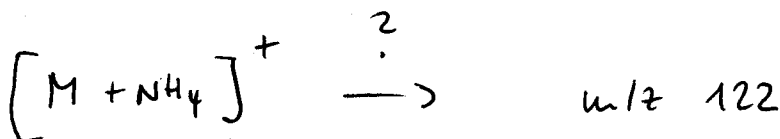
Transition	275,1 → 122,0	275,1 → 201,1
Declustering potential (DP) <sup>*)</sup>	19V	19 V
Focusing potential (FP)	350 V	360 V
Entrance potential (EP)	10,0 V	10,5 V
Collision cell entrance potential (CEP)	18 V	18 V
Collision energy (CE)	29 V	17 V
Collision cell exit potential (CXP)	6 V	10 V

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

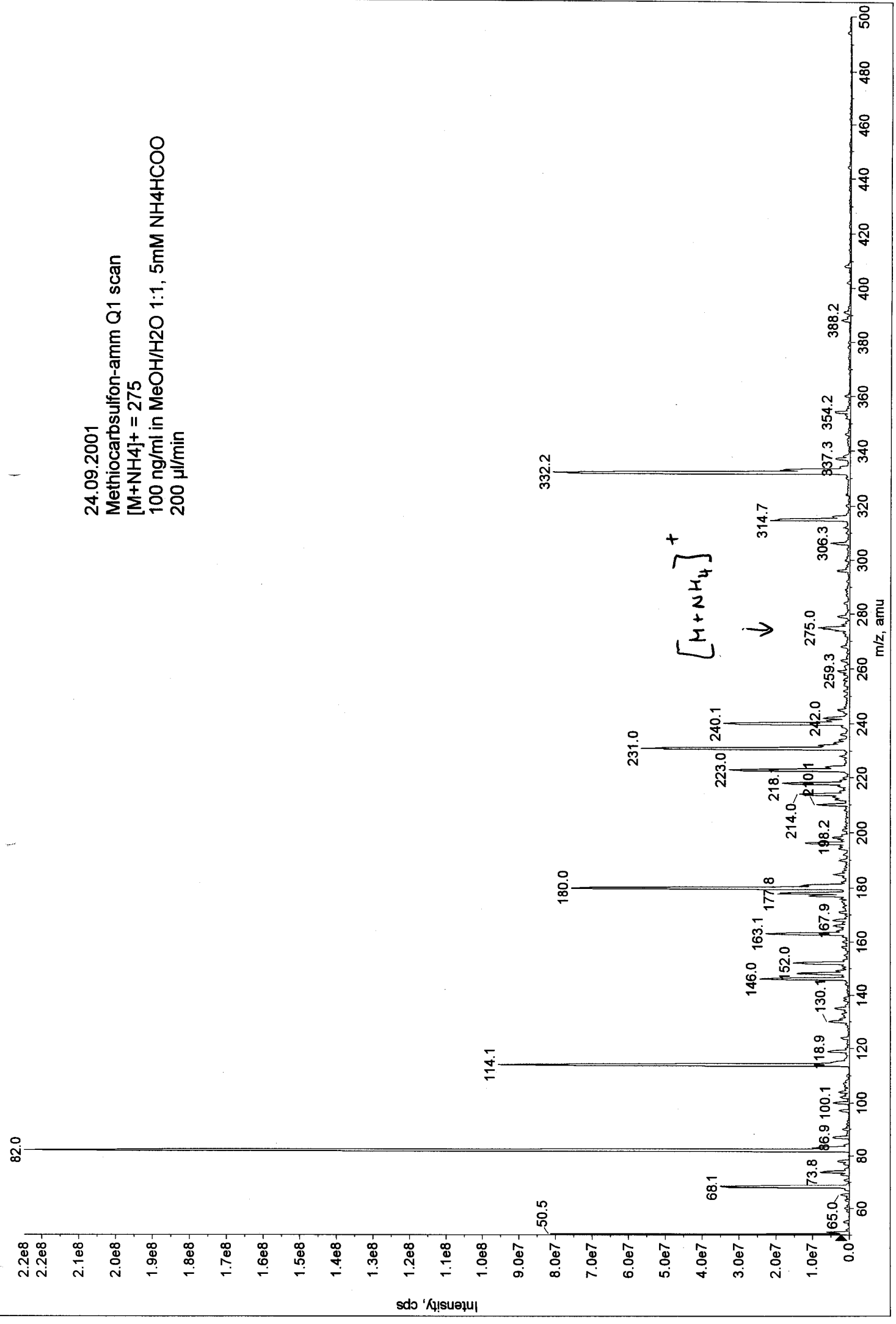
### Fragmentation



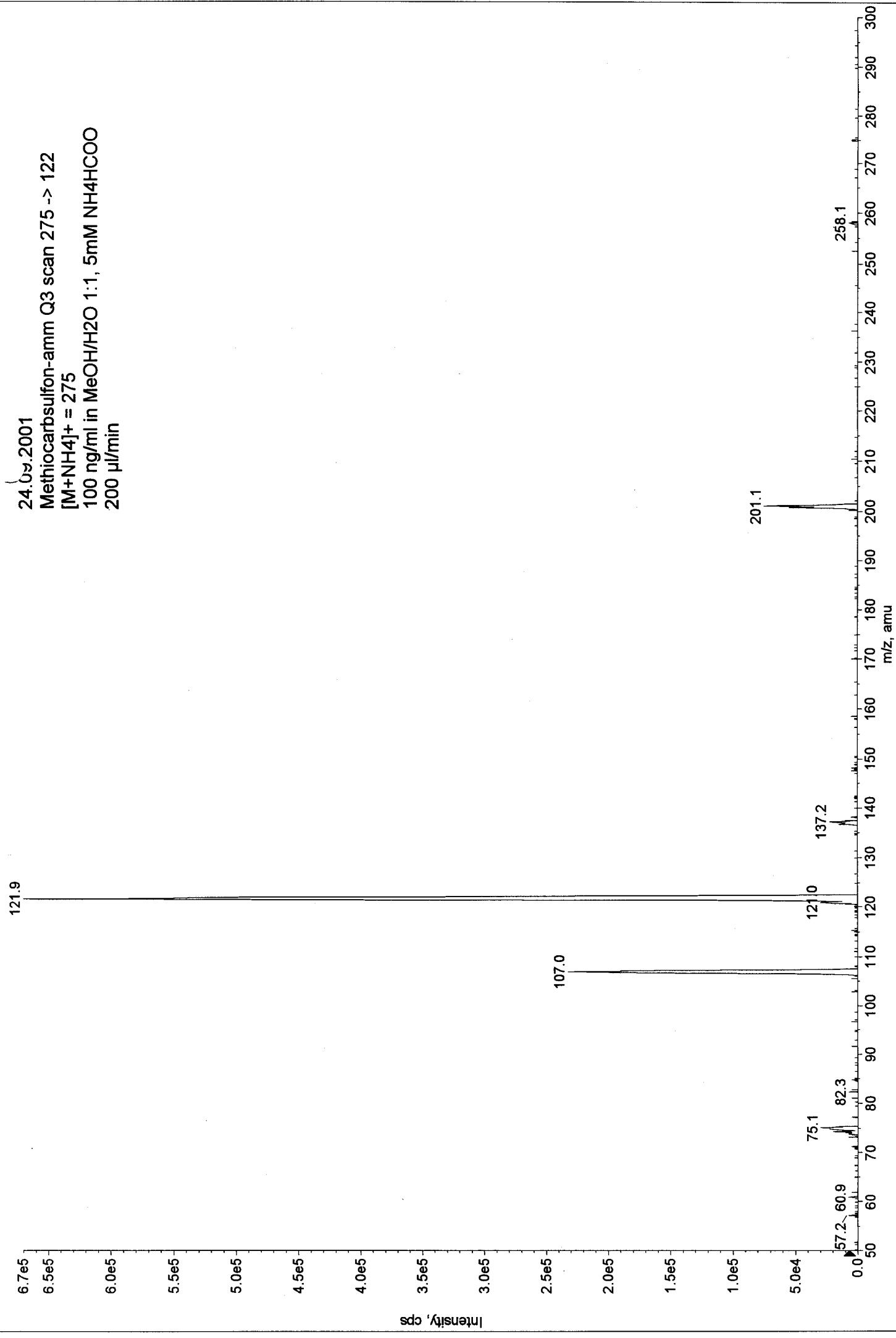
m/z 201



24.09.2001  
Methiocarbsulfon-amm Q1 scan  
[M+NH4]<sup>+</sup> = 275  
100 ng/ml in MeOH/H2O 1:1, 5mM NH4HCOO  
200 µl/min



24.09.2001  
Methiocarbonsulfon-amm Q3 scan 275 -> 122  
[M+NH4]<sup>+</sup> = 275  
100 ng/ml in MeOH/H2O 1:1, 5mM NH4HCOO  
200 µl/min



24.09.2001  
Methiocarbsulfon-amm201 Q3 scan 275 -> 201  
[M+NH4]<sup>+</sup> = 275  
100 ng/ml in MeOH/H<sub>2</sub>O 1:1, 5 mM NH<sub>4</sub>HCOO  
200 µl/min

