

**BfR**

Risiken erkennen – Gesundheit schützen

MS/MS Parameters of Pesticides

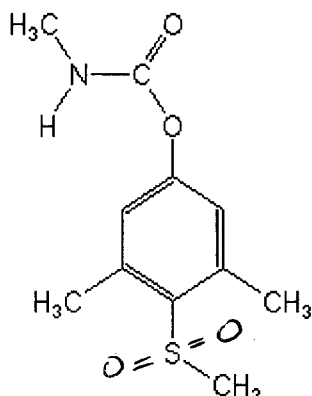
Analyte: Methiocarb-sulfon

CAS No.: 2179-25-1

Formula: C₁₁H₁₅NO₄S

Molecular mass (lowest isotopes): 257,07 amu

Structure:



Ionisation: ESI +

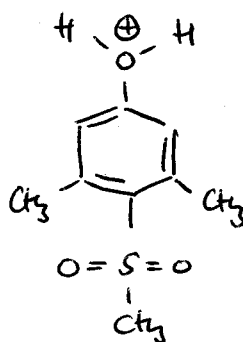
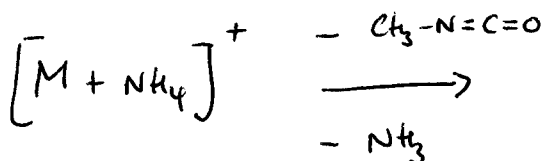
Quasimolecular ion: 275,1 amu = [M+NH₄]⁺

Analyte sensitive parameter set (API 2000)

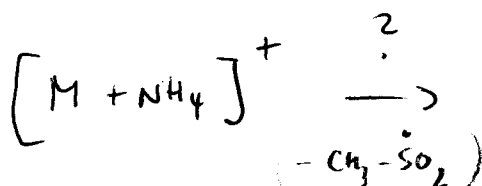
Transition	275,1 → 122,0	275,1 → 201,1
Declustering potential (DP) ^{*)}	19V	19 V
Focusing potential (FP)	350 V	360 V
Entrance potential (EP)	10,0 V	10,5 V
Collision cell entrance potential (CEP)	18 V	18 V
Collision energy (CE)	29 V	17 V
Collision cell exit potential (CXP)	6 V	10 V

^{*)} For API 3000 and 4000 enhance DP by 20V

Fragmentation

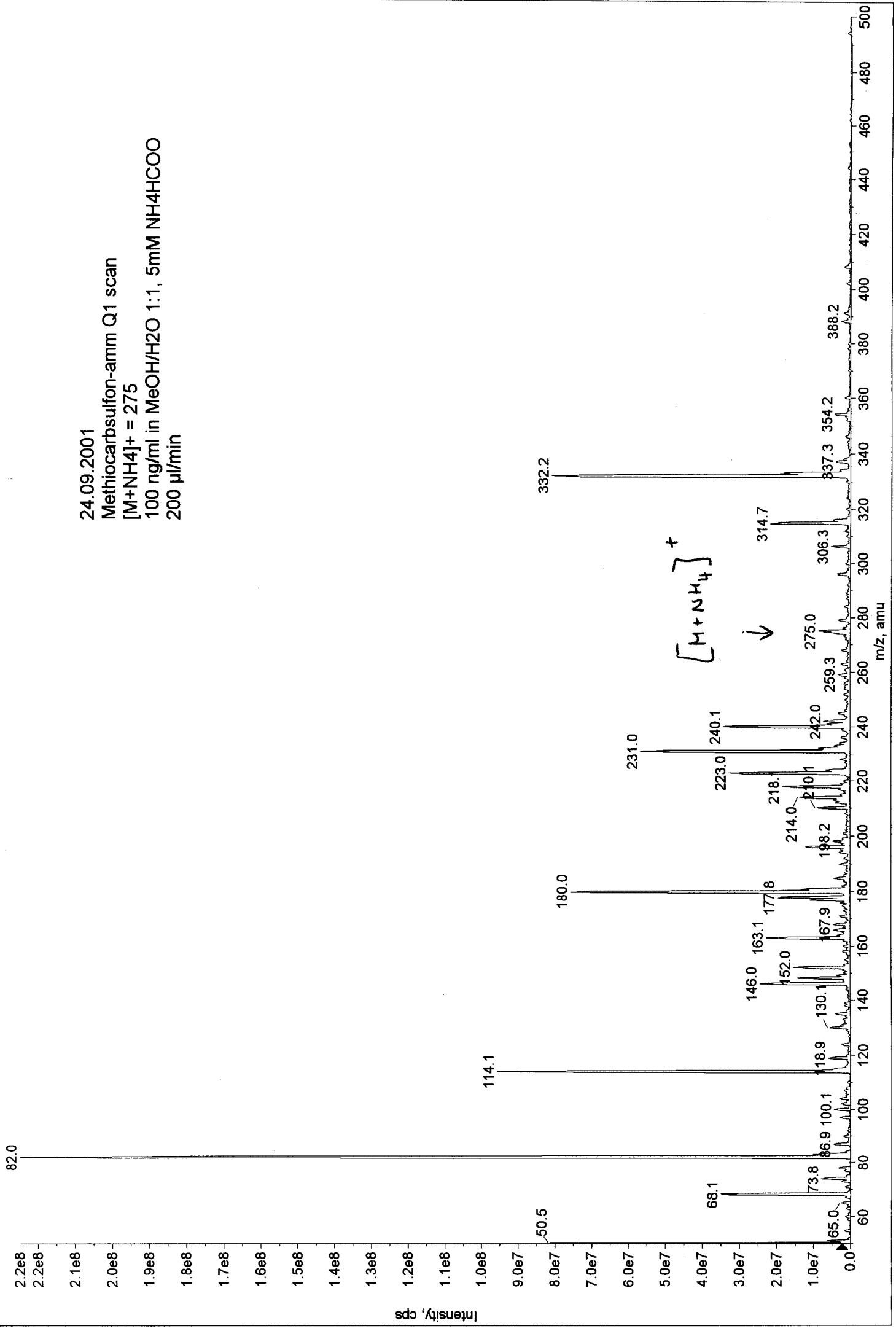


m/z 201

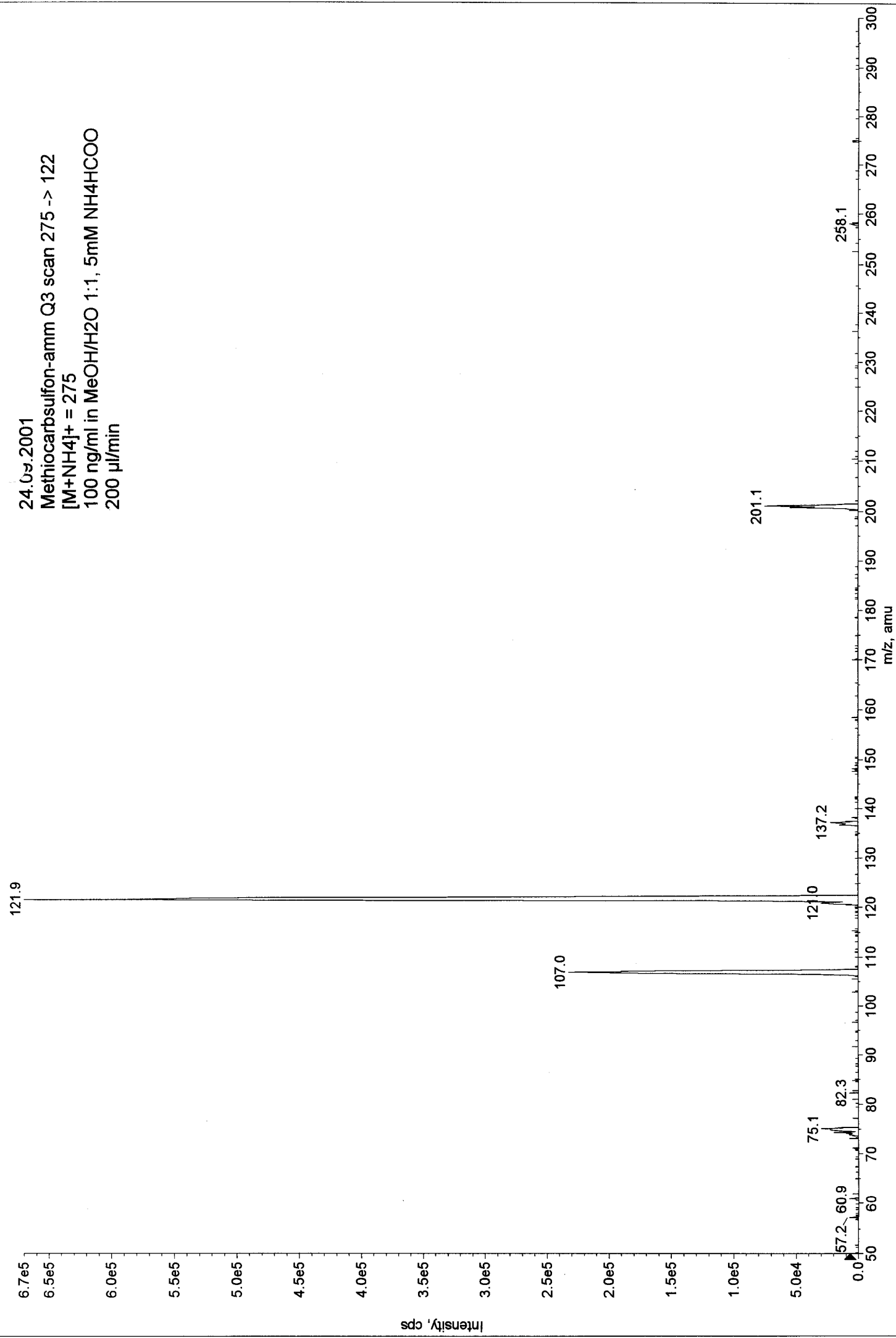


m/z 122

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



24.03.2001
Methiocarbonsulfon-amm Q3 scan 275 -> 122
[M+NH4]⁺ = 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]⁺ = 275
100 ng/ml in MeOH/H₂O 1:1, 5 mM NH₄HCOO
200 µl/min

