

**BfR**

Risiken erkennen – Gesundheit schützen

MS/MS Parameters of Pesticides

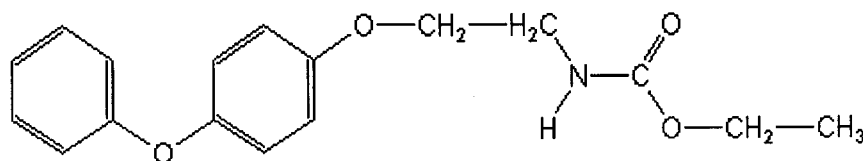
Analyte: Fenoxycarb

CAS No.: 79127-80-3

Formula: C₁₇H₁₉NO₄

Molecular mass (lowest isotopes): 301,13 amu

Structure:



Ionisation: ESI +

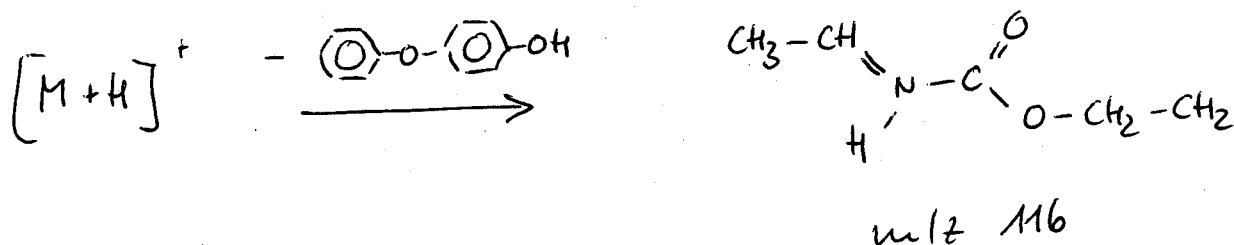
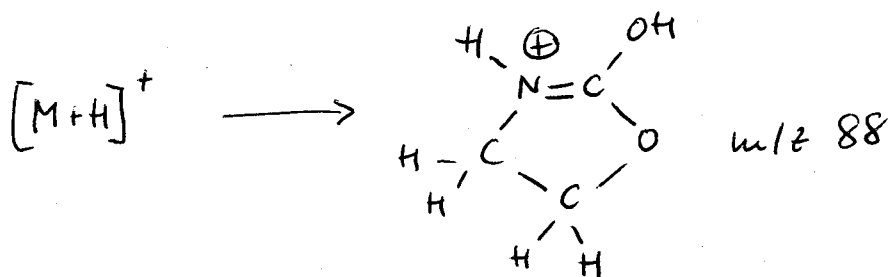
Quasimolecular ion: 302,1 amu = [M+H]⁺

Analyte sensitive parameter set (API 2000)

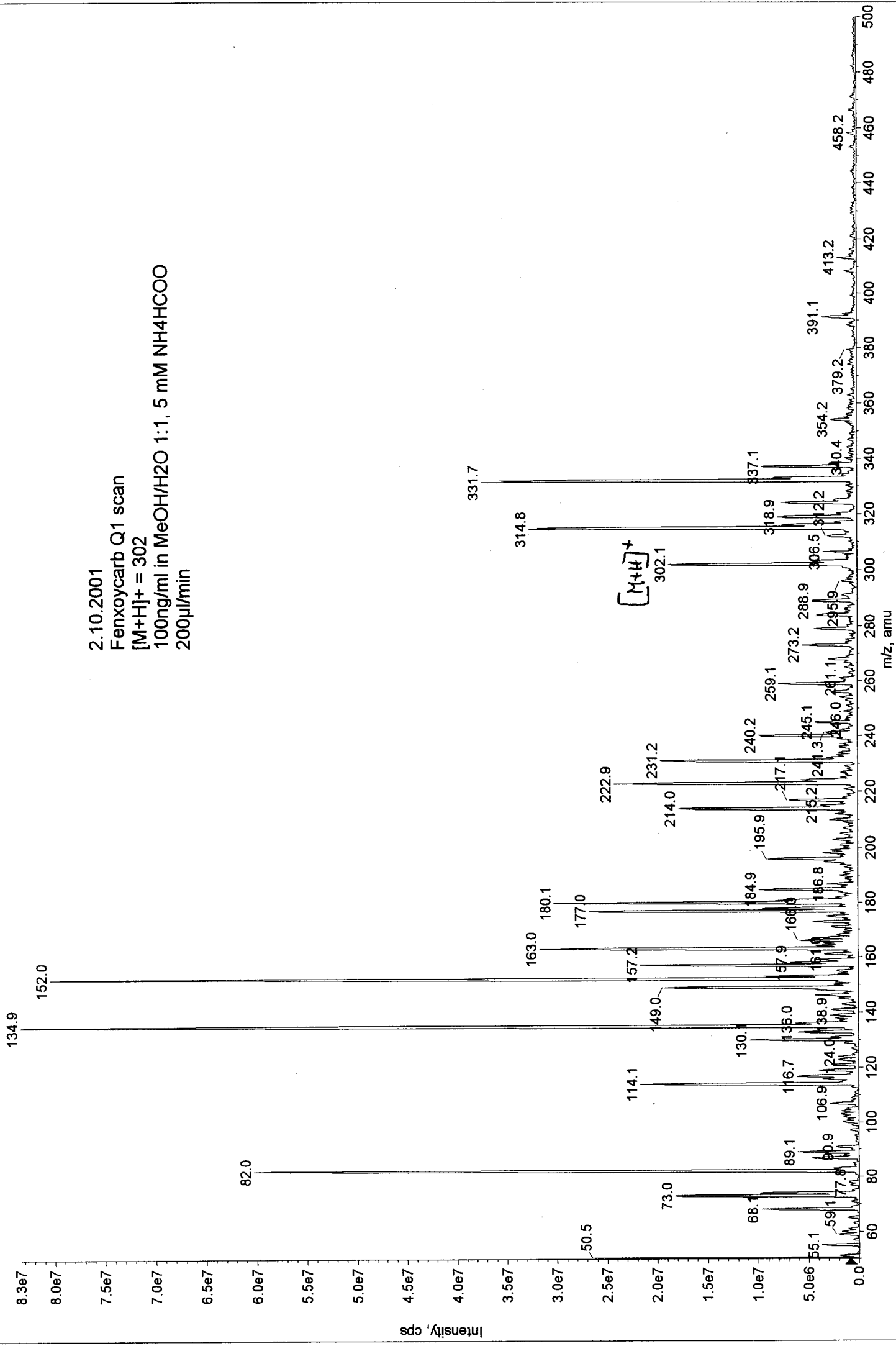
Transition	302,1 → 88,0	302,1 → 116,0
Declustering potential (DP) ^{*)}	64 V	64 V
Focusing potential (FP)	310 V	340 V
Entrance potential (EP)	10,0 V	12,0 V
Collision cell entrance potential (CEP)	24 V	24 V
Collision energy (CE)	29 V	17 V
Collision cell exit potential (CXP)	4 V	6 V

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

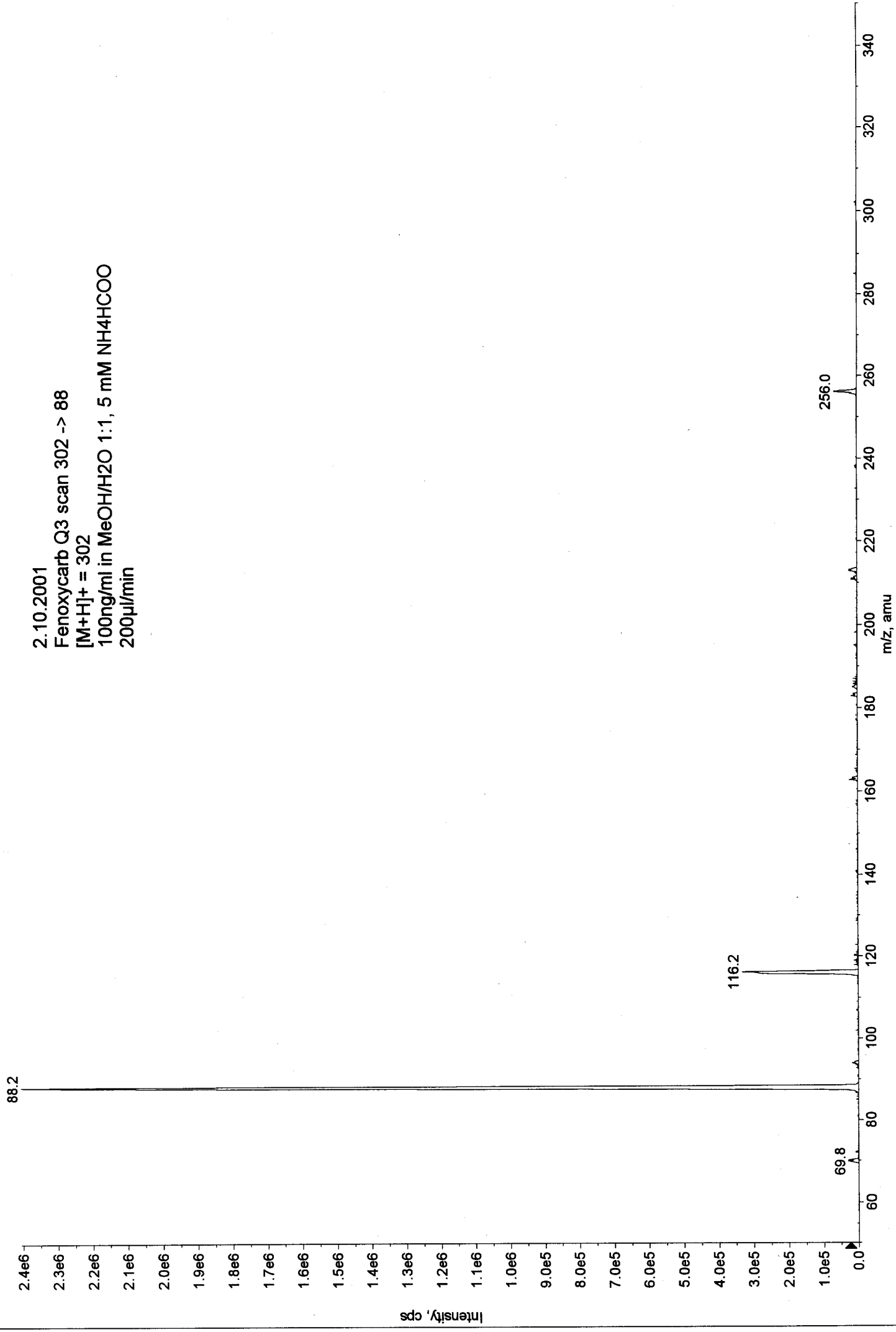
Fragmentation



2.10.2001
Fenxoycarb Q1 scan
[M+H]⁺ = 302
100ng/ml in MeOH/H₂O 1:1, 5 mM NH₄HCOO
200µl/min



2.10.2001
Fenoxycarb Q3 scan 302 -> 88
[M+H]⁺ = 302
100ng/ml in MeOH/H₂O 1:1, 5 mM NH₄HCOO
200µl/min



2.10.2001 09:40:00 Fenoxycarb 116 Q3 scan 302 -> 116 100ng/ml in MeOH/H2O 1:1, 5 mM NH4HCOO 200µl/min

