

MS/MS Parameters of Pesticides

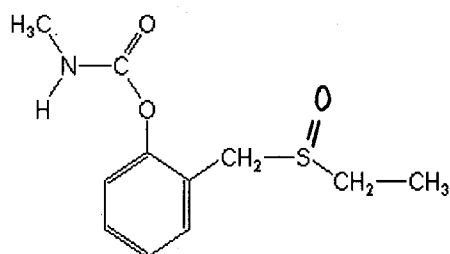
Analyte: Ethiofencarb-sulfoxid

CAS No.: 53380-22-6

Formula: C₁₁H₁₅NO₃S

Molecular mass (lowest isotopes): 241,08 amu

Structure:



Ionisation: ESI +

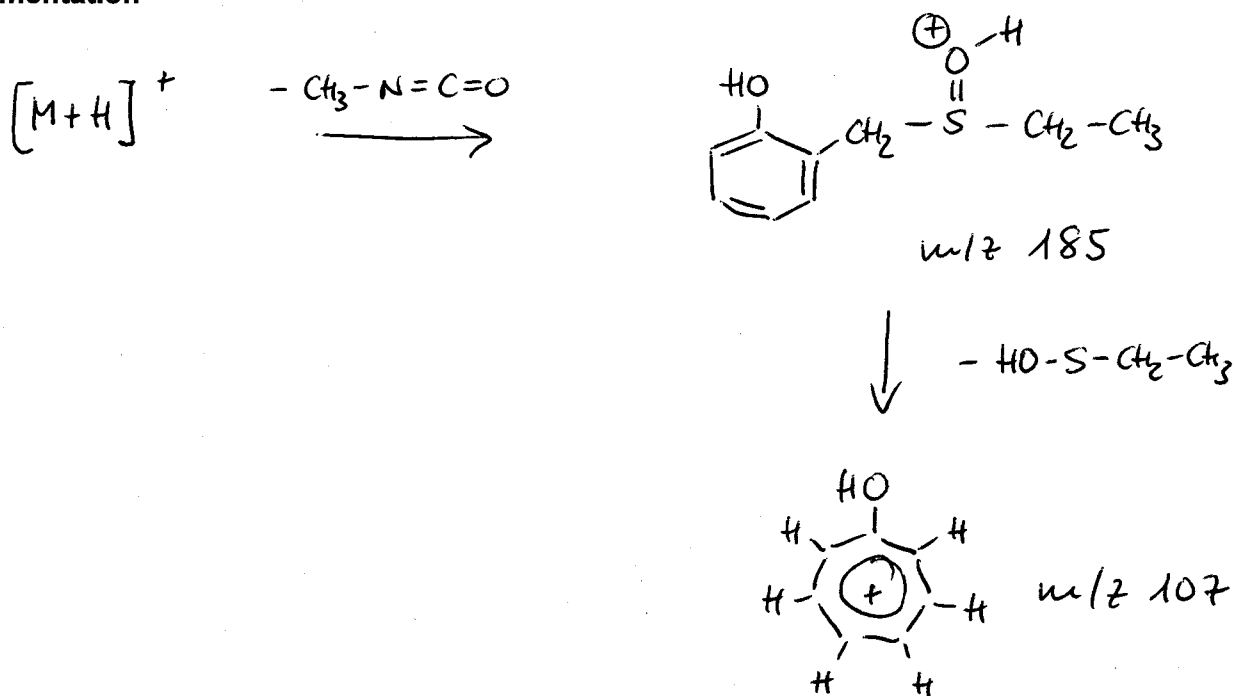
Quasimolecular ion: 242,1 amu = [M+H]⁺

Analyte sensitive parameter set (API 2000)

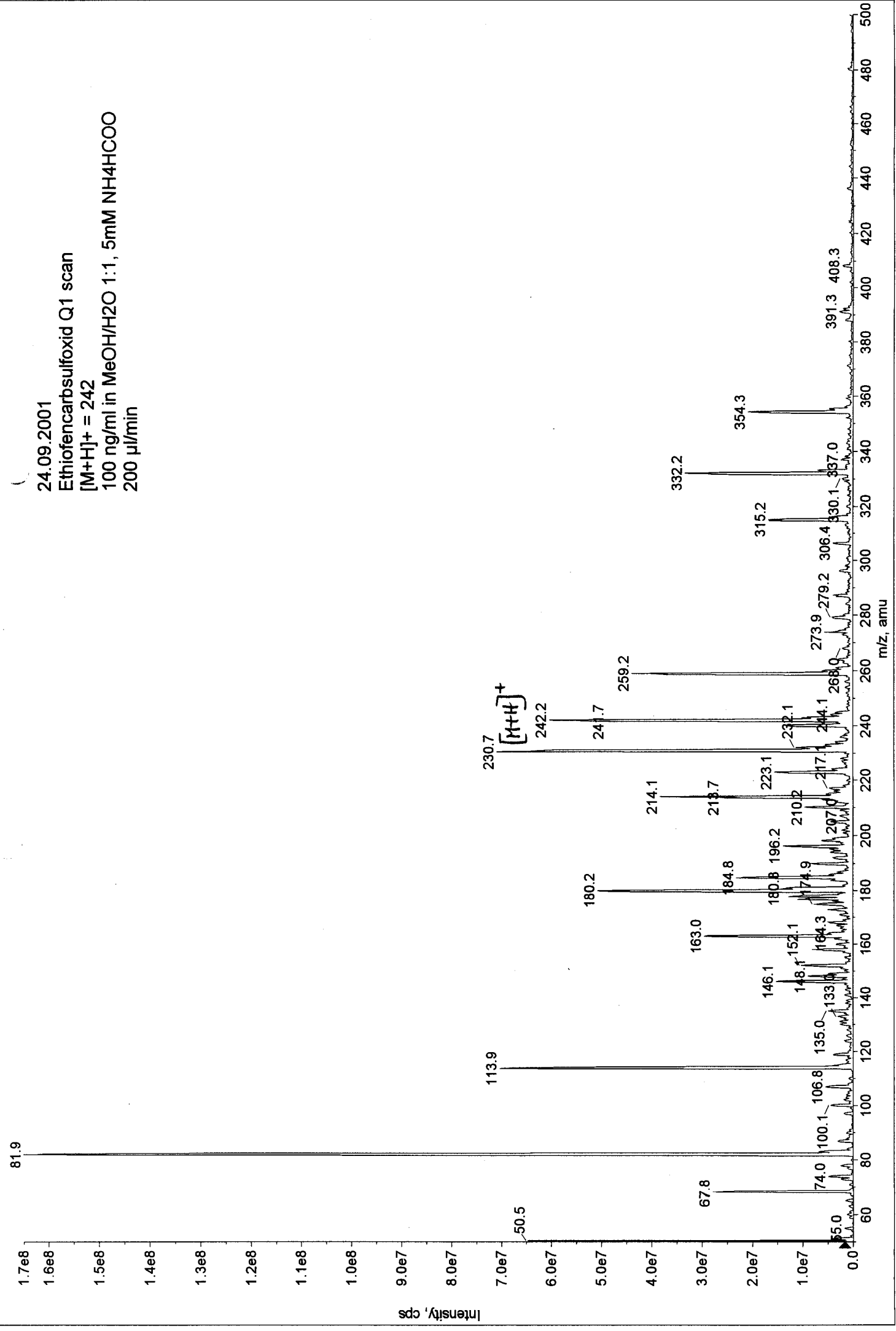
Transition	242,1 → 107,1	242,1 → 185,0
Declustering potential (DP) ^{*)}	41 V	41 V
Focusing potential (FP)	360 V	360 V
Entrance potential (EP)	10,0 V	10,5 V
Collision cell entrance potential (CEP)	16 V	16 V
Collision energy (CE)	23 V	13 V
Collision cell exit potential (CXP)	4 V	10 V

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

Fragmentation



24.09.2001
Ethiofencarbulsulfoxid Q1 scan
[M+H]⁺ = 242
100 ng/ml in MeOH/H₂O 1:1, 5mM NH₄HCOO
200 µl/min



24.09.2001
Ethiofencarbulsulfoxid Q3 scan 242 -> 107
[M+H]⁺ = 242
100 ng/ml in MeOH/H₂O 1:1, 5mM NH₄HCOO
200 µl/min

