

**BfR**

Risiken erkennen – Gesundheit schützen

MS/MS Parameters of Pesticides

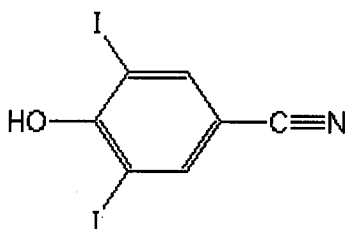
Analyte: Ioxynil

CAS No.: 1689-83-4

Formula: C₇H₃I₂NO

Molecular mass (lowest isotopes): 370,83 amu

Structure:



Ionisation: ESI -

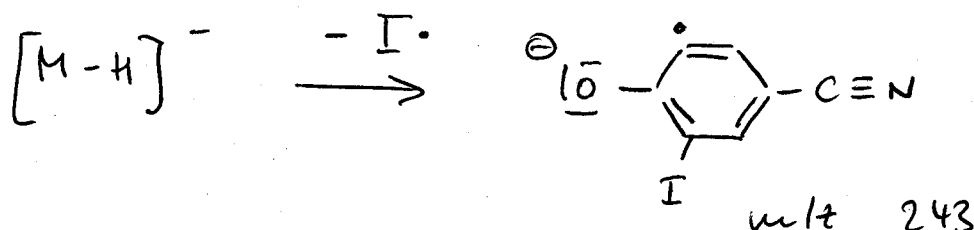
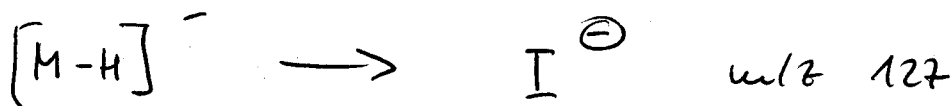
Quasimolecular ion: 369,8 amu = [M-H]-

Analyte sensitive parameter set (API 2000)

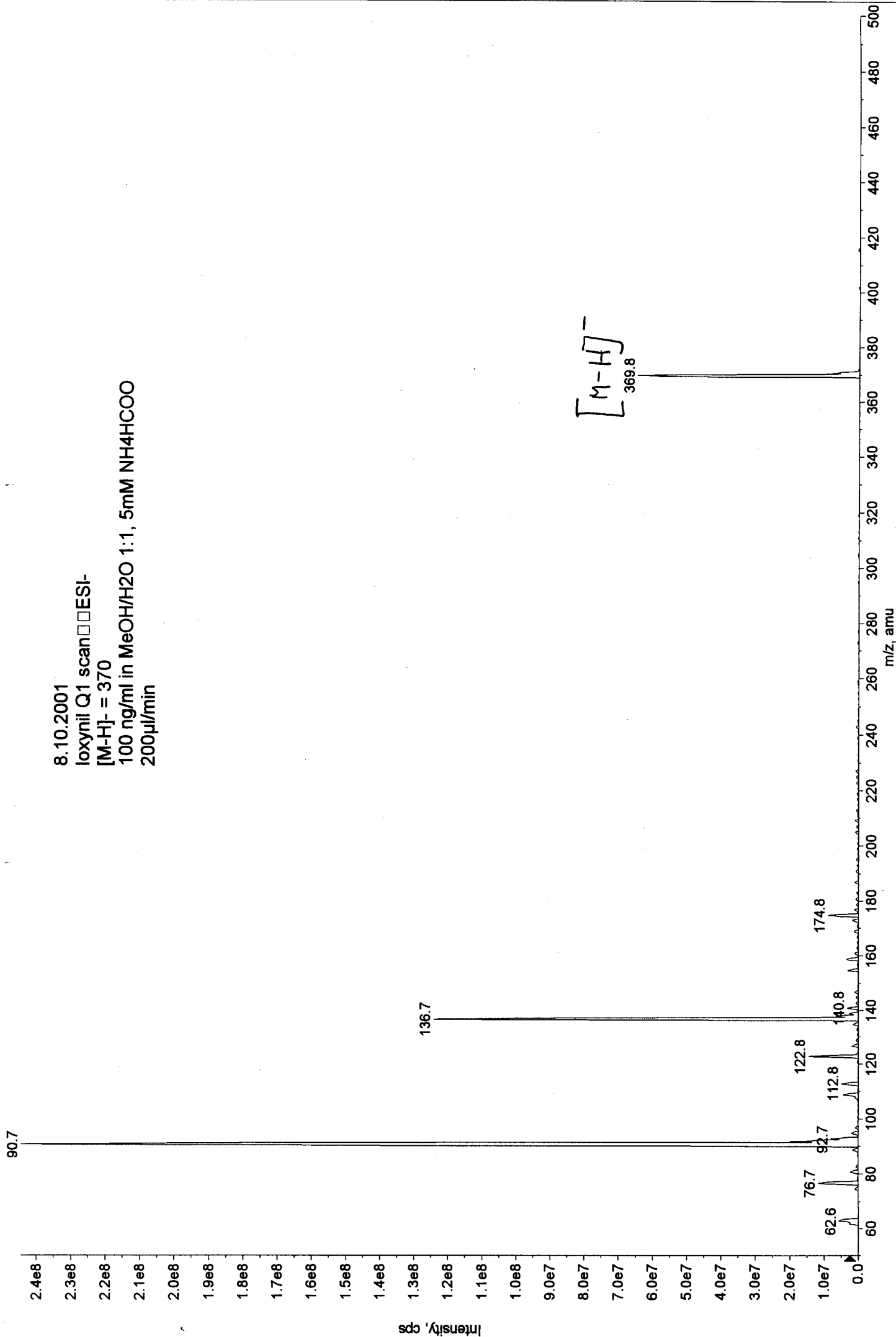
Transition	369,8 → 126,8	369,8 → 242,8
Declustering potential (DP)*)	-31V	-31 V
Focusing potential (FP)	-350 V	-340 V
Entrance potential (EP)	-10,5 V	-10,5 V
Collision cell entrance potential (CEP)	-28 V	-28 V
Collision energy (CE)	-36 V	-26 V
Collision cell exit potential (CXP)	-20 V	-14 V

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

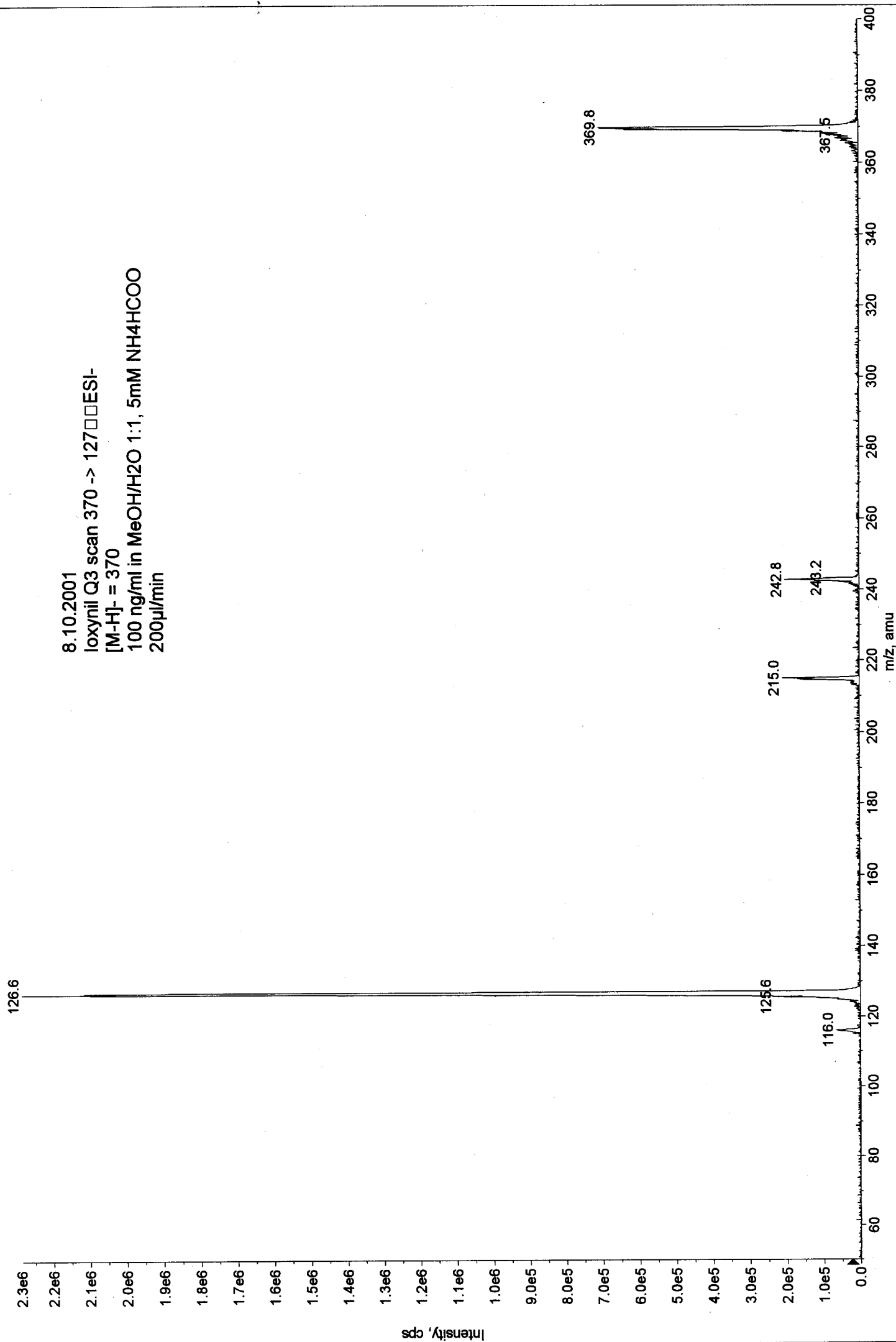
Fragmentation



8.10.2001
loxynil Q1 scan ESI-
[M-H]⁻ = 370
100 ng/ml in MeOH/H₂O 1:1, 5mM NH₄HCOO
200 µl/min



8.10.2001
loxynil Q3 scan 370 -> 127□□ESI-
[M-H]⁻ = 370
100 ng/ml in MeOH/H₂O 1:1, 5mM NH₄HCOO
200μl/min



8.10.2001
loxynil243 Q3 scan 370 -> 243 ESI-
[M-H]⁻ = 370
100 ng/ml in MeOH/H₂O 1:1, 5mM NH₄HCOO
200µl/min

