

**BfR**

Risiken erkennen – Gesundheit schützen

MS/MS Parameters of Pesticides

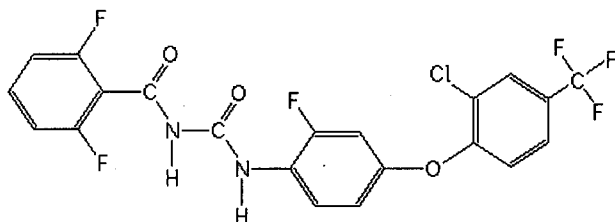
Analyte: Flufenoxuron

CAS No.: 101463-69-8

Formula: C₂₁H₁₁ClF₆N₂O₃

Molecular mass (lowest isotopes): 488,04 amu

Structure:



Ionisation: ESI +

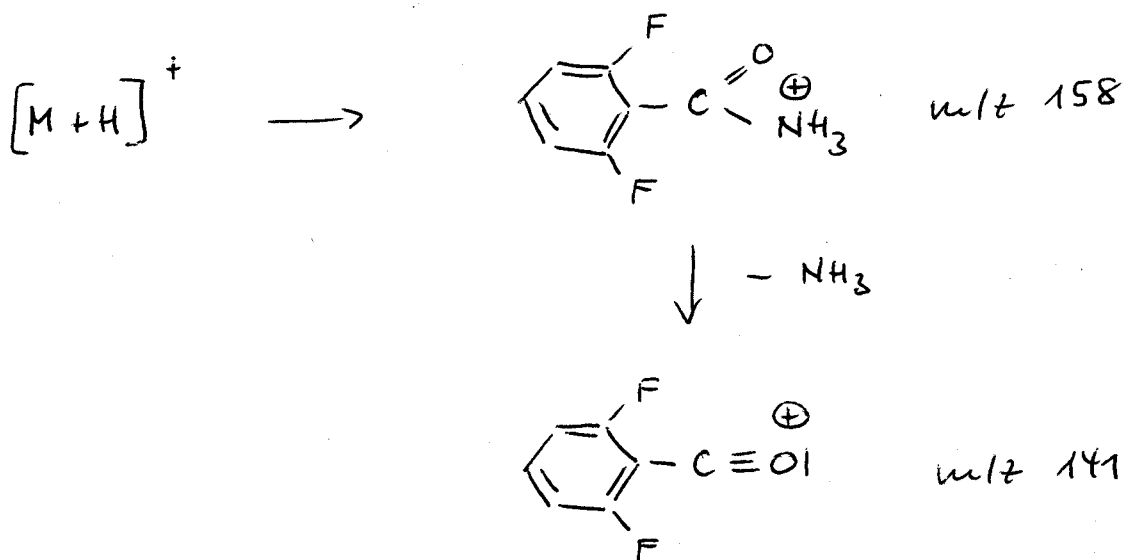
Quasimolecular ion: 489,0 amu = [M+H]⁺

Analyte sensitive parameter set (API 2000)

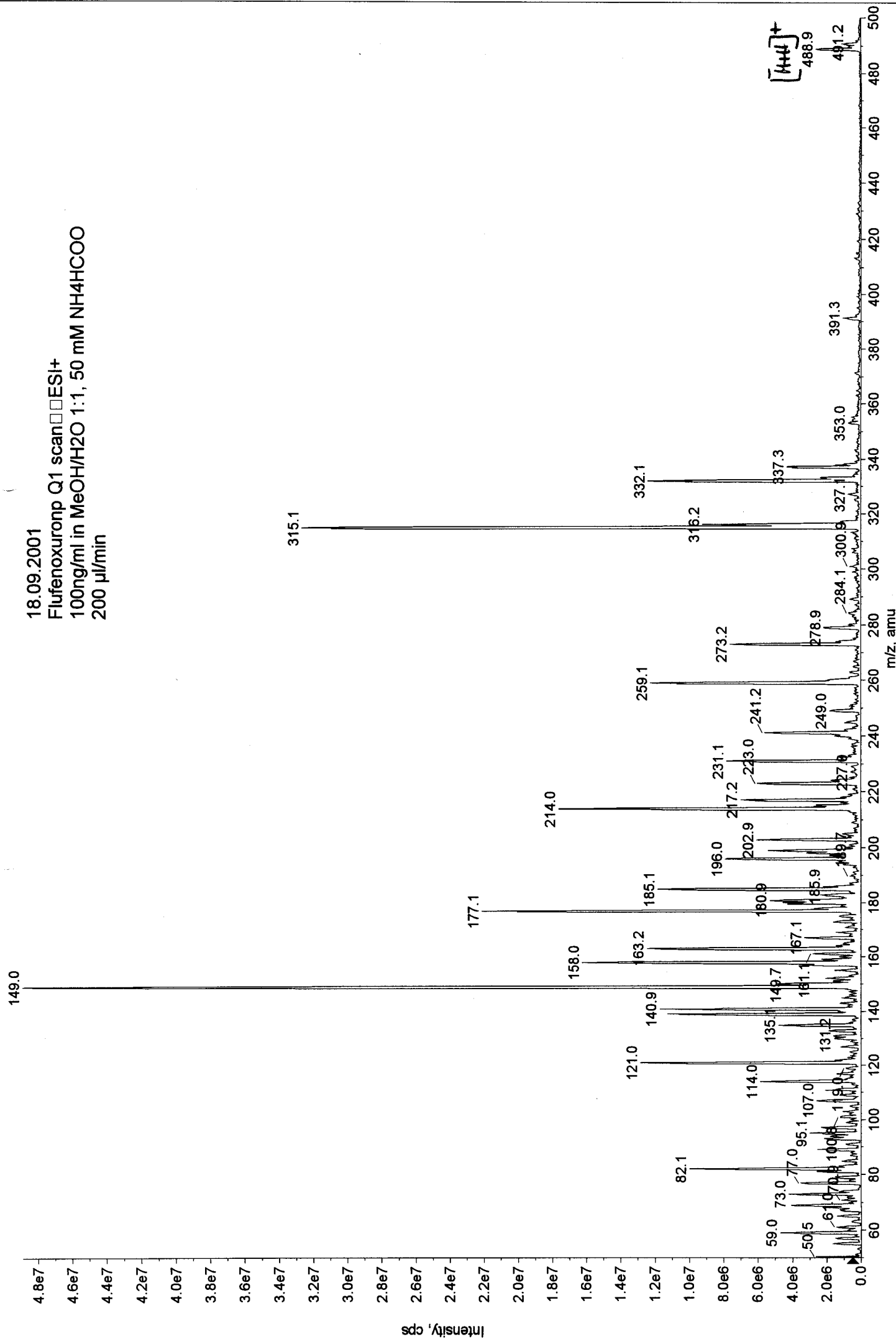
Transition	489,0 → 158,1	489,0 → 141,0
Declustering potential (DP) ^{*)}	86 V	86 V
Focusing potential (FP)	310 V	360 V
Entrance potential (EP)	10,0 V	12,0 V
Collision cell entrance potential (CEP)	22 V	22 V
Collision energy (CE)	27 V	57 V
Collision cell exit potential (CXP)	8 V	6 V

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

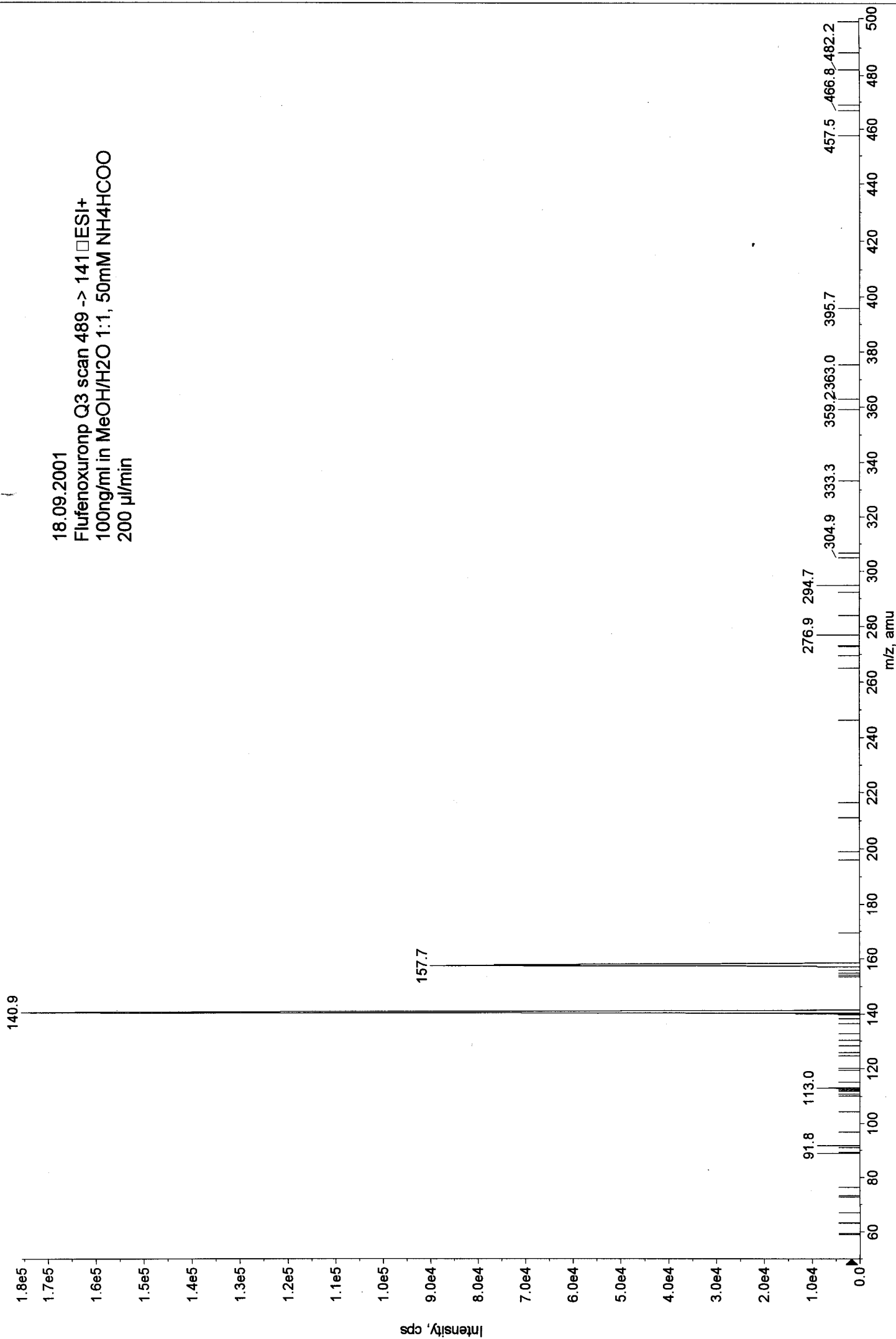
Fragmentation



18.09.2001
Flufenoxuronp Q1 scan ESI+
100ng/ml in MeOH/H2O 1:1, 50 mM NH4HCOO
200 µl/min



18.09.2001
Flufenoxuronp Q3 scan 489 -> 141⁺ESI+
100ng/ml in MeOH/H2O 1:1, 50mM NH4HCOO
200 µl/min



18.09.2001
Flufenoxuronp158 Q3 scan 489 -> 158⁺ESI⁺
100ng/ml in MeOH/H2O 1:1, 50mM NH4HCOO
200 µl/min

