

**BfR**

Risiken erkennen – Gesundheit schützen

MS/MS Parameters of Pesticides

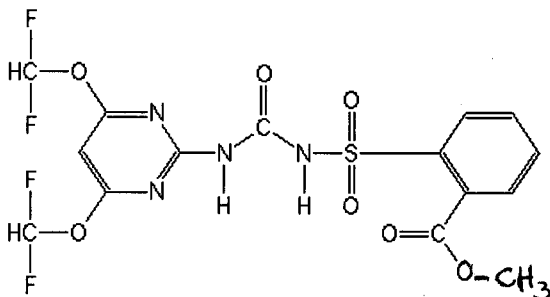
Analyte: Primisulfuron-methyl

CAS No.: 86209-51-0

Formula: C₁₅H₁₂F₄N₄O₇S

Molecular mass (lowest isotopes): 468,04 amu

Structure:



Ionisation: ESI +

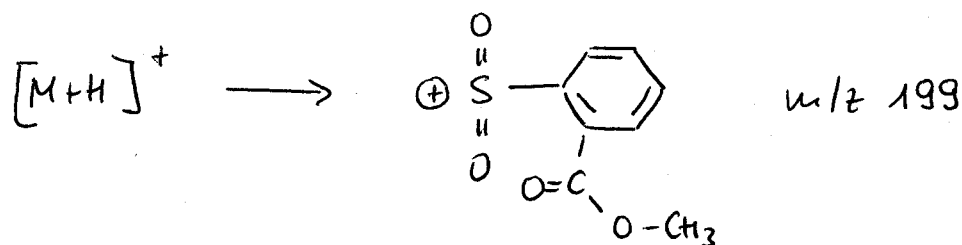
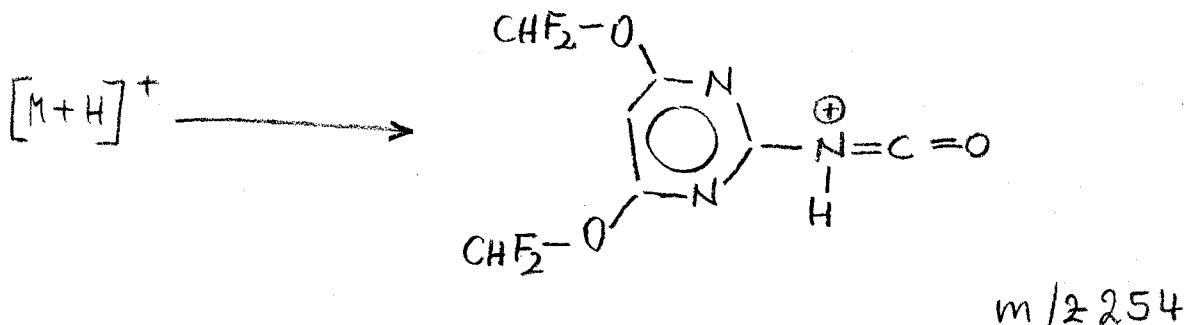
Quasimolecular ion: 469,0 amu = [M+H]⁺

Analyte sensitive parameter set (API 2000)

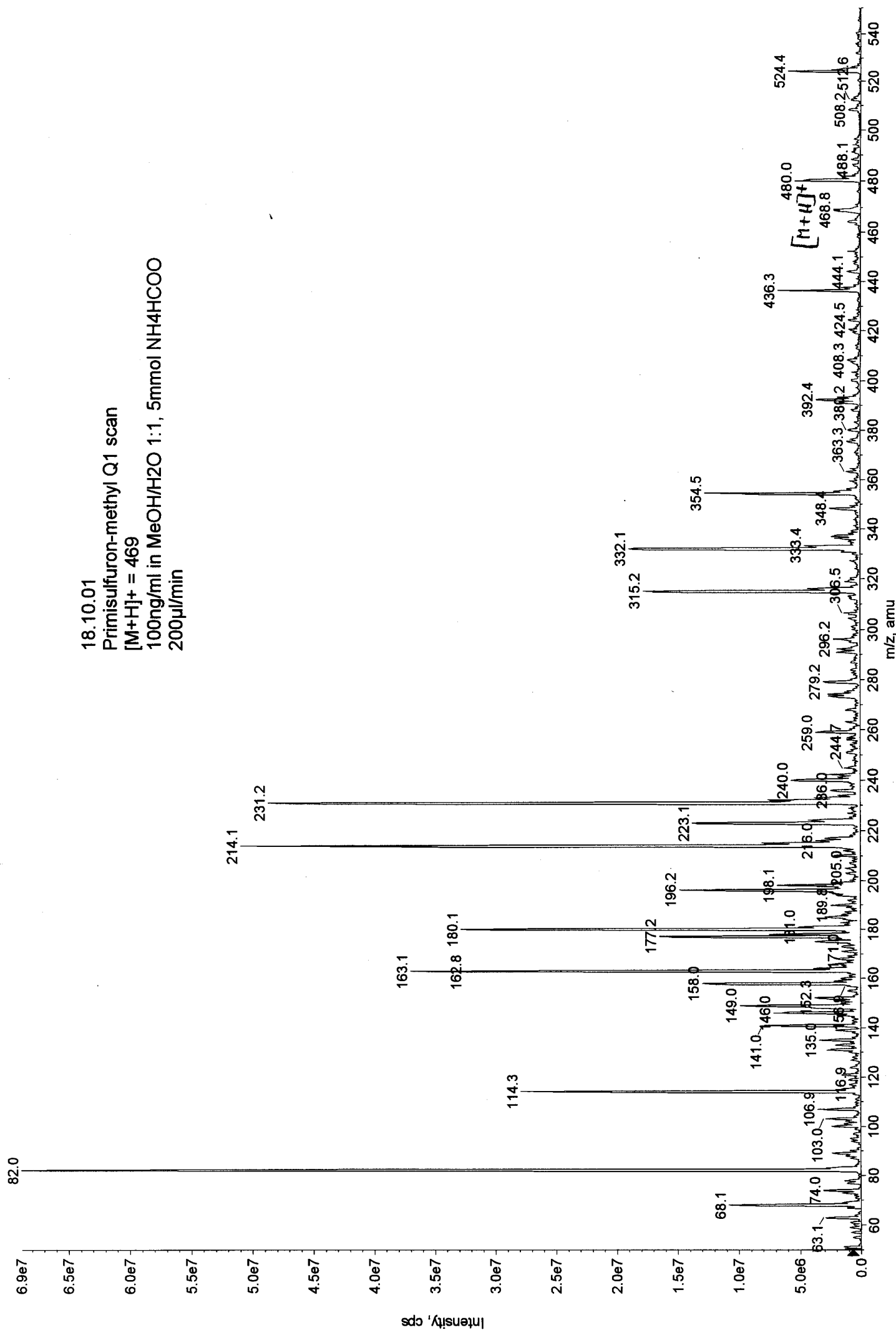
Transition	469,0 → 253,8	469,0 → 199,0
Declustering potential (DP) ^{*)}	71 V	71 V
Focusing potential (FP)	340 V	360 V
Entrance potential (EP)	9,0 V	8,5 V
Collision cell entrance potential (CEP)	20 V	24 V
Collision energy (CE)	25 V	25 V
Collision cell exit potential (CXP)	12 V	10 V

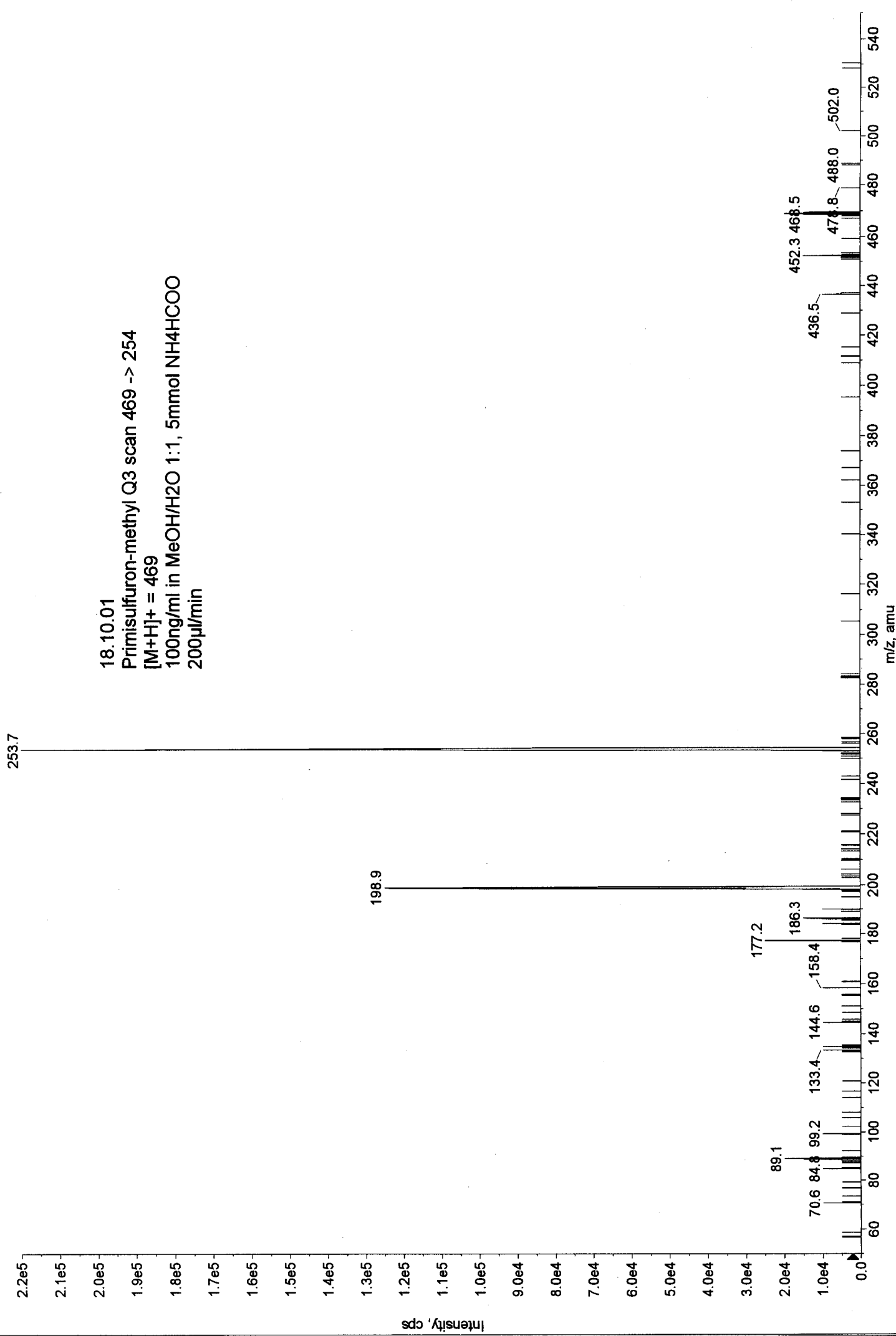
^{*)} For API 3000 and 4000 enhance DP by 20V

Fragmentation



18.10.01
 Primisulfuron-methyl Q1 scan
 [M+H]⁺ = 469
 100ng/ml in MeOH/H₂O 1:1, 5mmol NH₄HCOO
 200µl/min





18.10.01
Primisulfuron-methyl199 Q3 scan 469 -> 199
[M+H]⁺ = 469
100ng/ml in MeOH/H₂O 1:1, 5mmol NH₄HCOO
200µl/min

