

**BfR**

Risiken erkennen – Gesundheit schützen

MS/MS Parameters of Pesticides

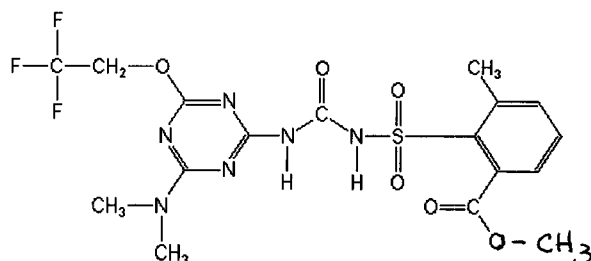
Analyte: Triflusulfuron-methyl

CAS No.: 126535-15-7

Formula: C₁₇H₁₉F₃N₆O₆S

Molecular mass (lowest isotopes): 492,10 amu

Structure:



Ionisation: ESI +

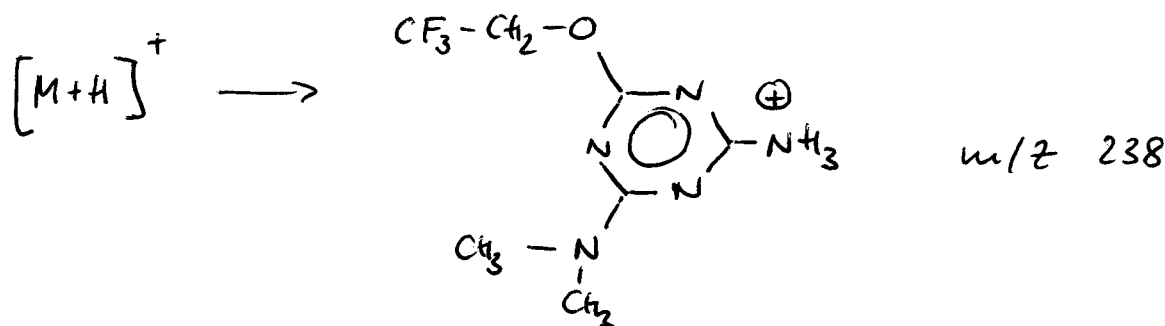
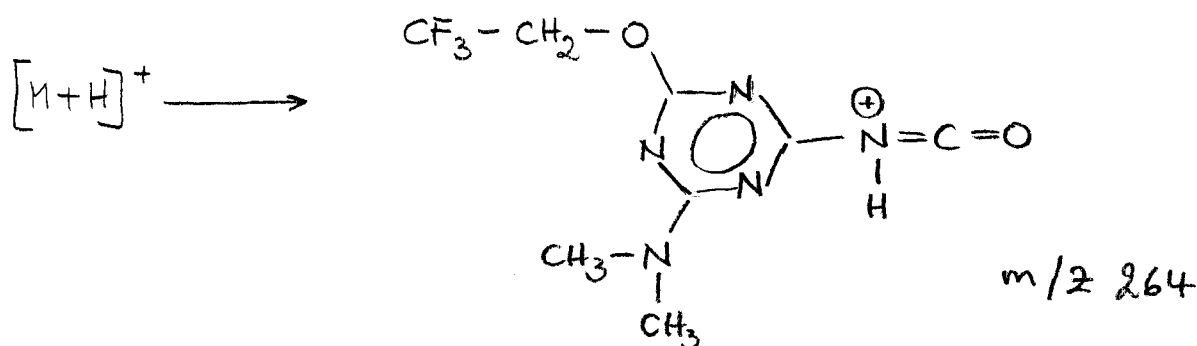
Quasimolecular ion: 493,1 amu = [M+H]⁺

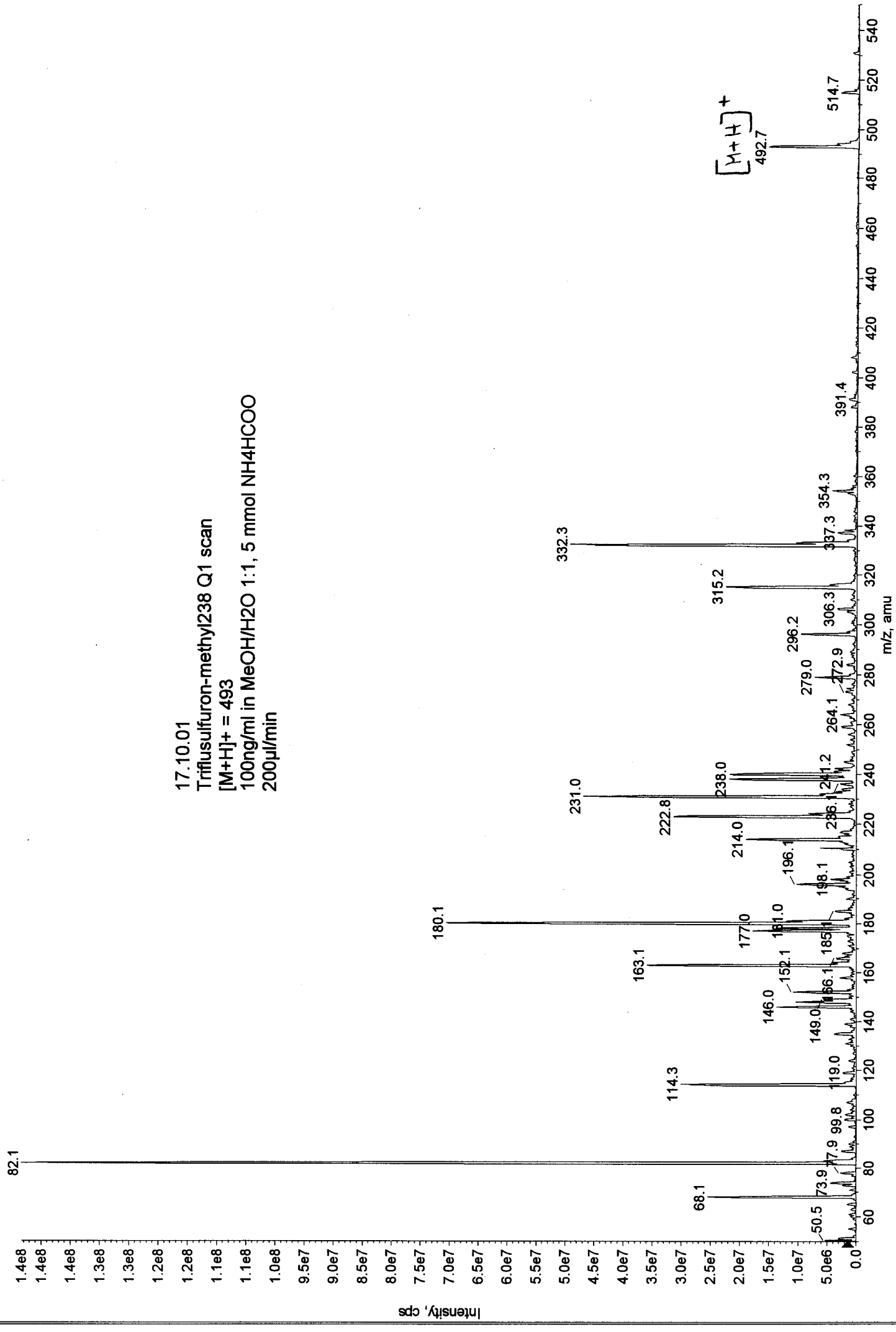
Analyte sensitive parameter set (API 2000)

Transition	493,1 → 264,0	493,1 → 238,0
Declustering potential (DP) ^{*)}	46 V	46 V
Focusing potential (FP)	340 V	350 V
Entrance potential (EP)	10,0 V	8,5 V
Collision cell entrance potential (CEP)	26 V	24 V
Collision energy (CE)	29 V	29 V
Collision cell exit potential (CXP)	14 V	12 V

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

Fragmentation





17.10.01
Triflurosulfuron-methyl238 Q1 scan
[M+H]⁺ = 493
100ng/ml in MeOH/H₂O 1:1, 5 mmol NH₄HCOO
200μl/min

[M+H]⁺
492.7

