

**BfR**

Risiken erkennen – Gesundheit schützen

MS/MS Parameters of Pesticides

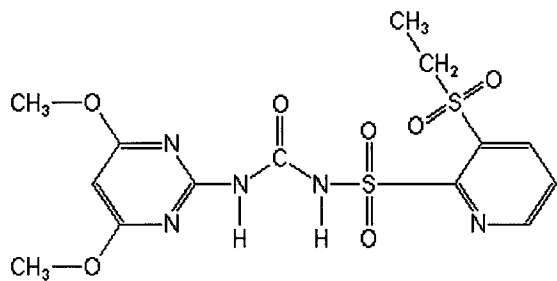
Analyte: Rimsulfuron

CAS No.: 122931-48-0

Formula: C₁₄H₁₇N₅O₇S₂

Molecular mass (lowest isotopes): 431,06 amu

Structure:



Ionisation: ESI +

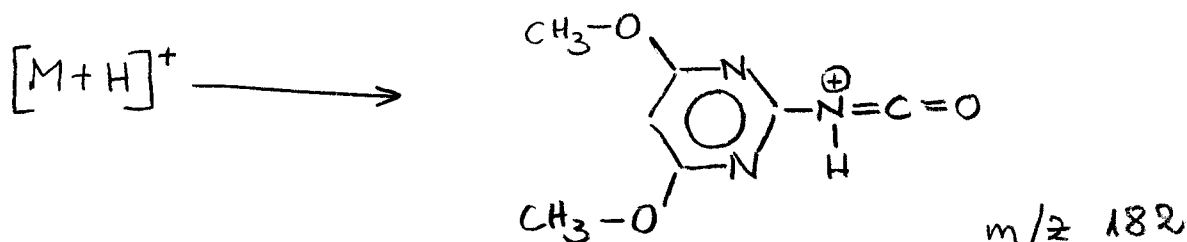
Quasimolecular ion: 432,1 amu = [M+H]⁺

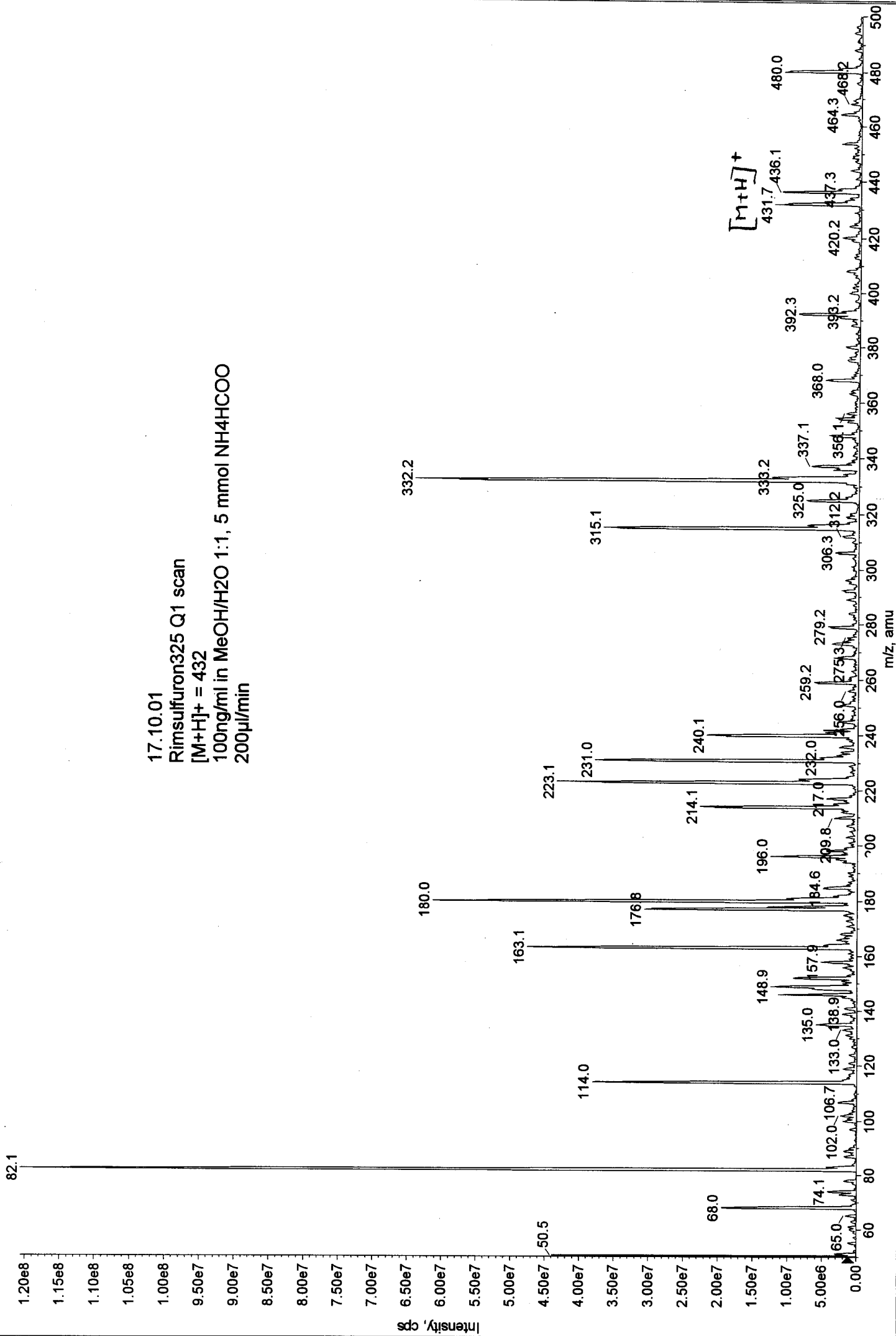
Analyte sensitive parameter set (API 2000)

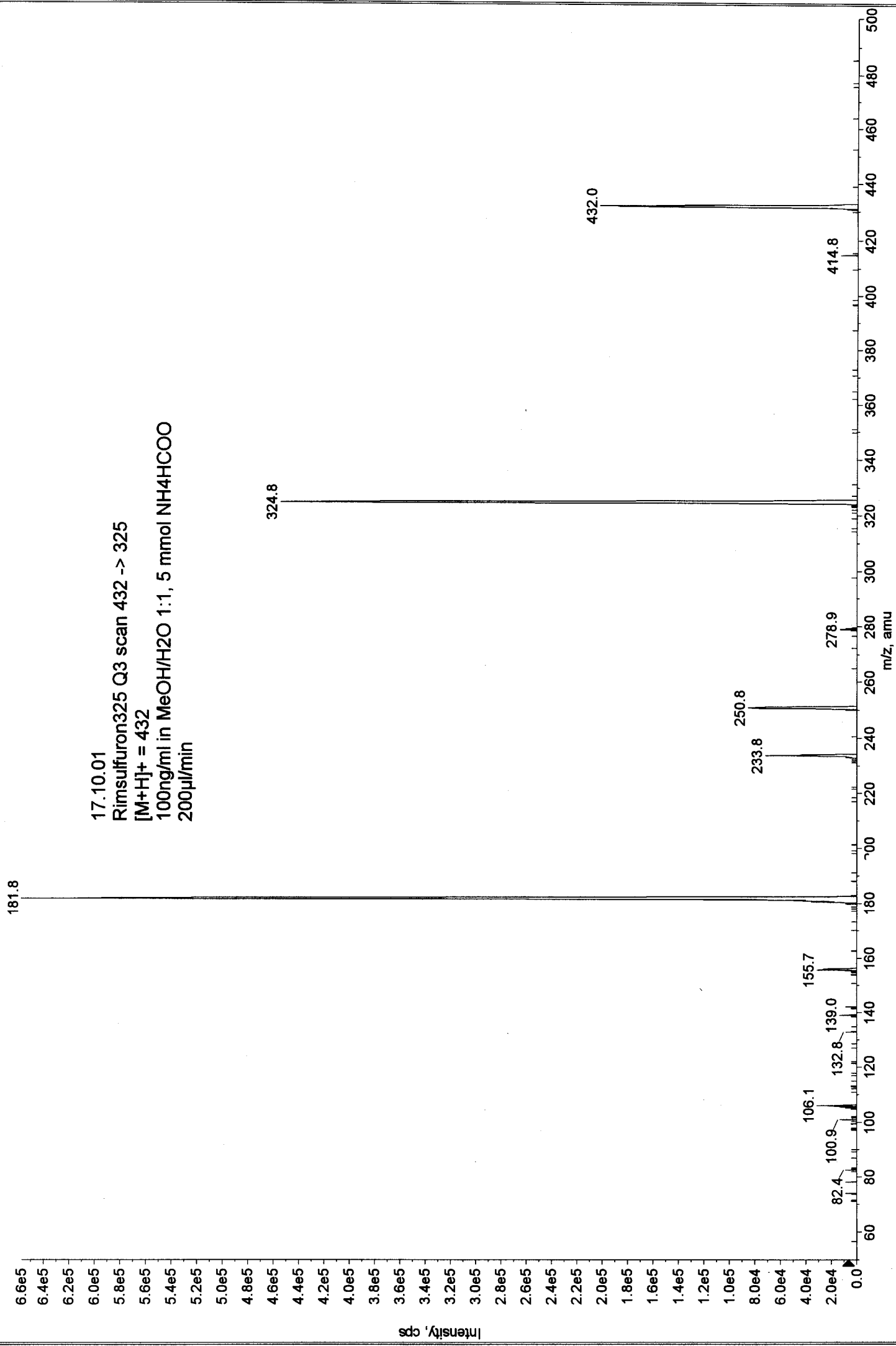
Transition	432,1 → 182,0	432,1 → 324,9
Declustering potential (DP) ^{*)}	51 V	51 V
Focusing potential (FP)	360 V	300 V
Entrance potential (EP)	12,0 V	10,0 V
Collision cell entrance potential (CEP)	26 V	24 V
Collision energy (CE)	29 V	21 V
Collision cell exit potential (CXP)	8 V	16 V

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

Fragmentation







17.10.01
Rimsulfuron325 Q3 scan 432 -> 325
[M+H]⁺ = 432
100ng/ml in MeOH/H₂O 1:1, 5 mmol NH₄HCOO
200µl/min

17.10.01
Rimsulfuron Q3 scan 432 -> 182
[M+H]⁺ = 432
100ng/ml in MeOH/H₂O 1:1, 5 mmol NH₄HCOO
200µl/min

