

**BfR**

Risiken erkennen – Gesundheit schützen

MS/MS Parameters of Pesticides

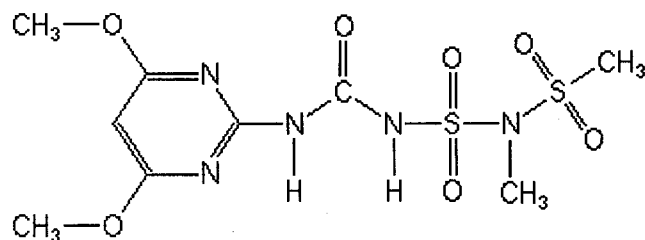
Analyte: Amidosulfuron

CAS No.: 120923-37-7

Formula: C₉H₁₅N₅O₇S₂

Molecular mass (lowest isotopes): 369,04 amu

Structure:



Ionisation: ESI +

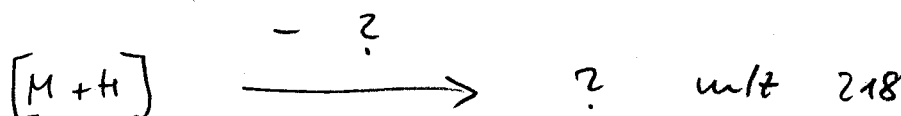
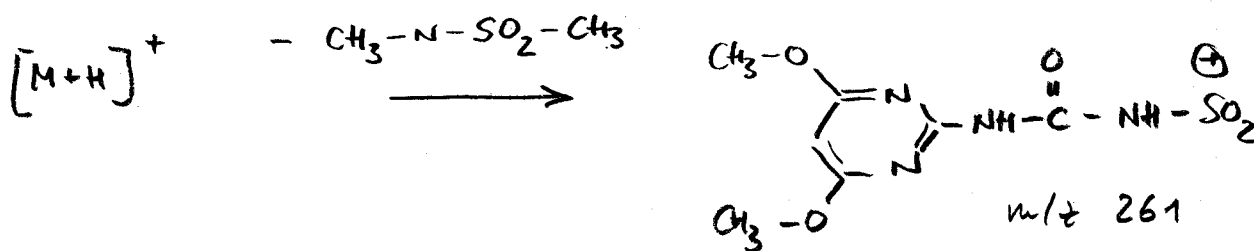
Quasimolecular ion: 370,0 amu = [M+H]⁺

Analyte sensitive parameter set (API 2000)

Transition	370,0 → 217,9	370,0 → 260,9
Declustering potential (DP) ^{*)}	21 V	21 V
Focusing potential (FP)	360 V	360 V
Entrance potential (EP)	9,5 V	12,0 V
Collision cell entrance potential (CEP)	22 V	24 V
Collision energy (CE)	31 V	19 V
Collision cell exit potential (CXP)	12 V	14 V

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

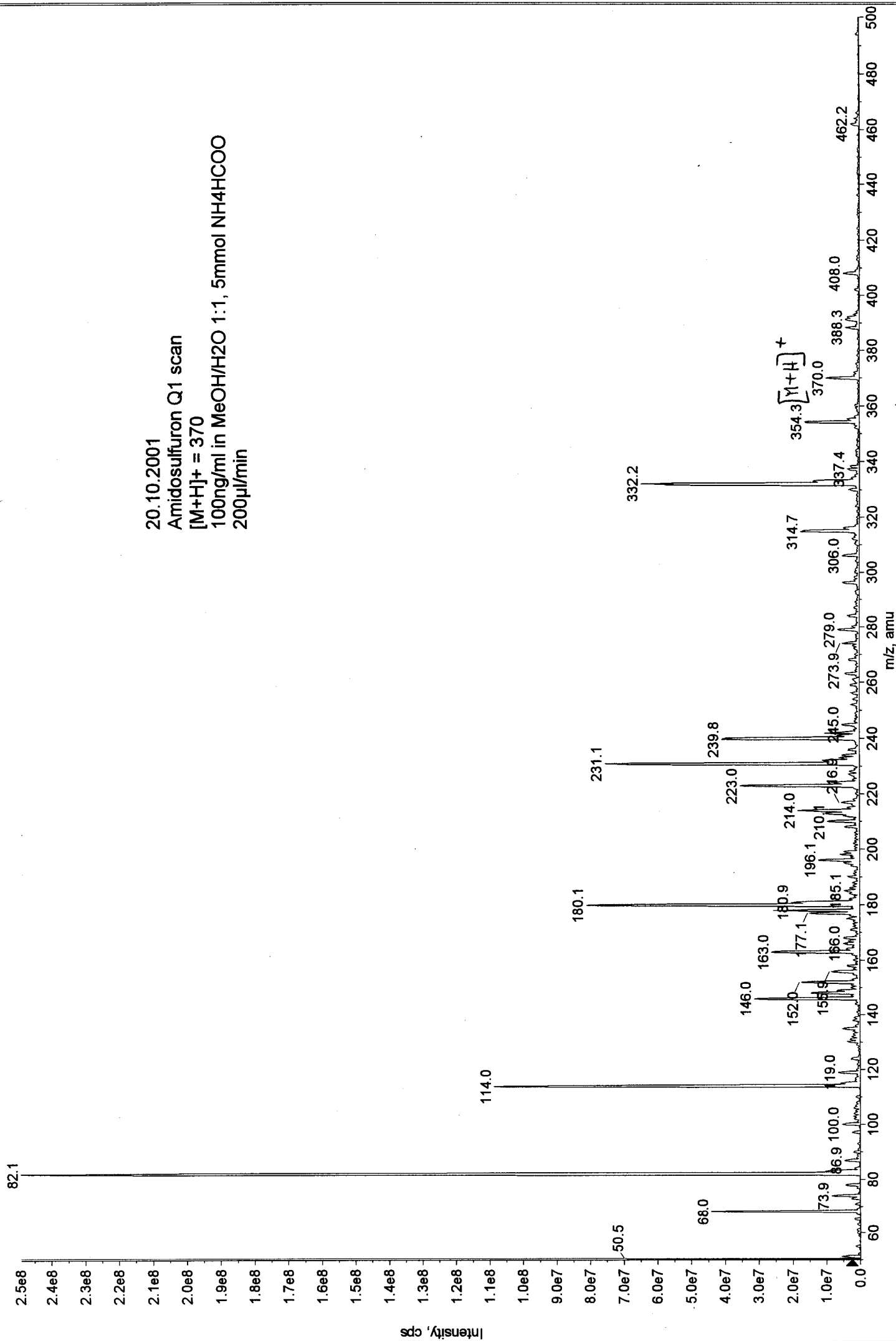
Fragmentation



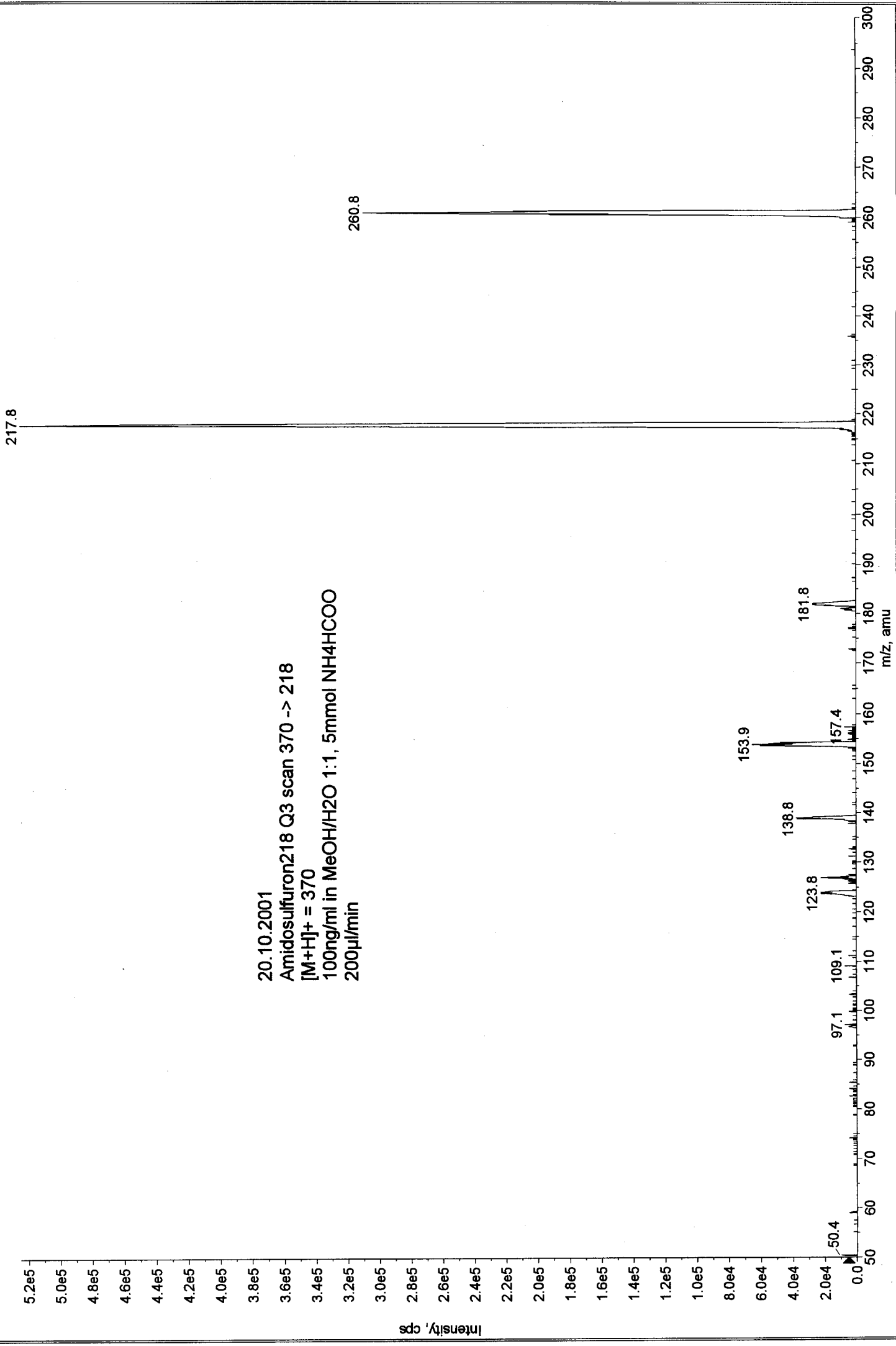
20.10.2001

Amidosulfuron Q1 scan

[M+H]⁺ = 370

100ng/ml in MeOH/H₂O 1:1, 5mmol NH₄HCO₃200 μ l/min

20.10.2001
Amidosulfuron218 Q3 scan 370 -> 218
[M+H]⁺ = 370
100ng/ml in MeOH/H₂O 1:1, 5mmol NH₄HCOO
200µl/min



20.10.2001
Amidosulfuron Q3 scan 370 -> 261
[M+H]⁺ = 370
100ng/ml in MeOH/H₂O 1:1, 5mmol NH₄HCOO
200µl/min

