

**BfR**

Risiken erkennen – Gesundheit schützen

MS/MS Parameters of Pesticides

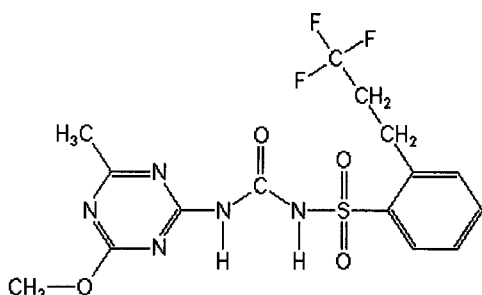
Analyte: Prosulfuron

CAS No.: 94125-34-5

Formula: C₁₅H₁₆F₃N₅O₄S

Molecular mass (lowest isotopes): 419,09 amu

Structure:



Ionisation: ESI +

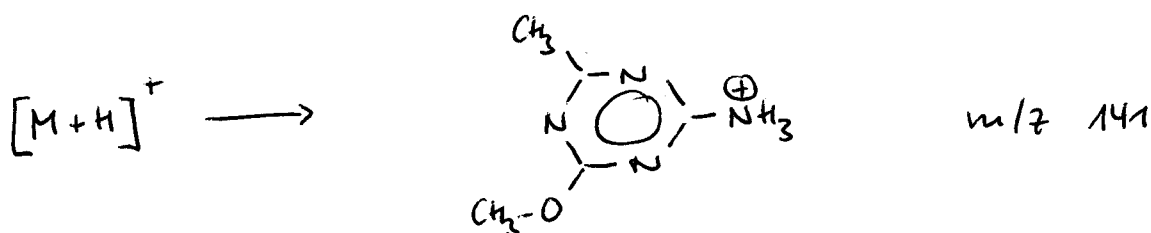
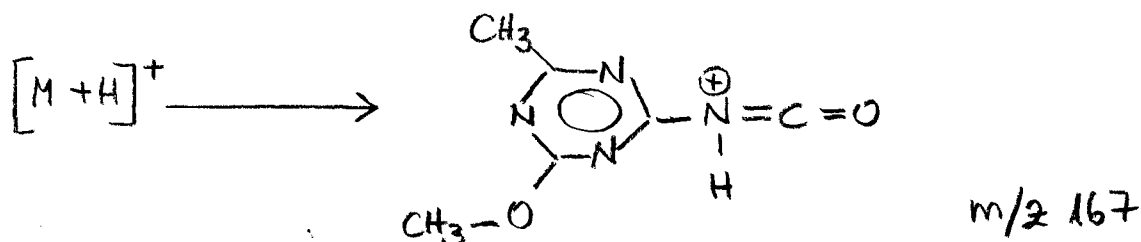
Quasimolecular ion: 420,1 amu = [M+H]⁺

Analyte sensitive parameter set (API 2000)

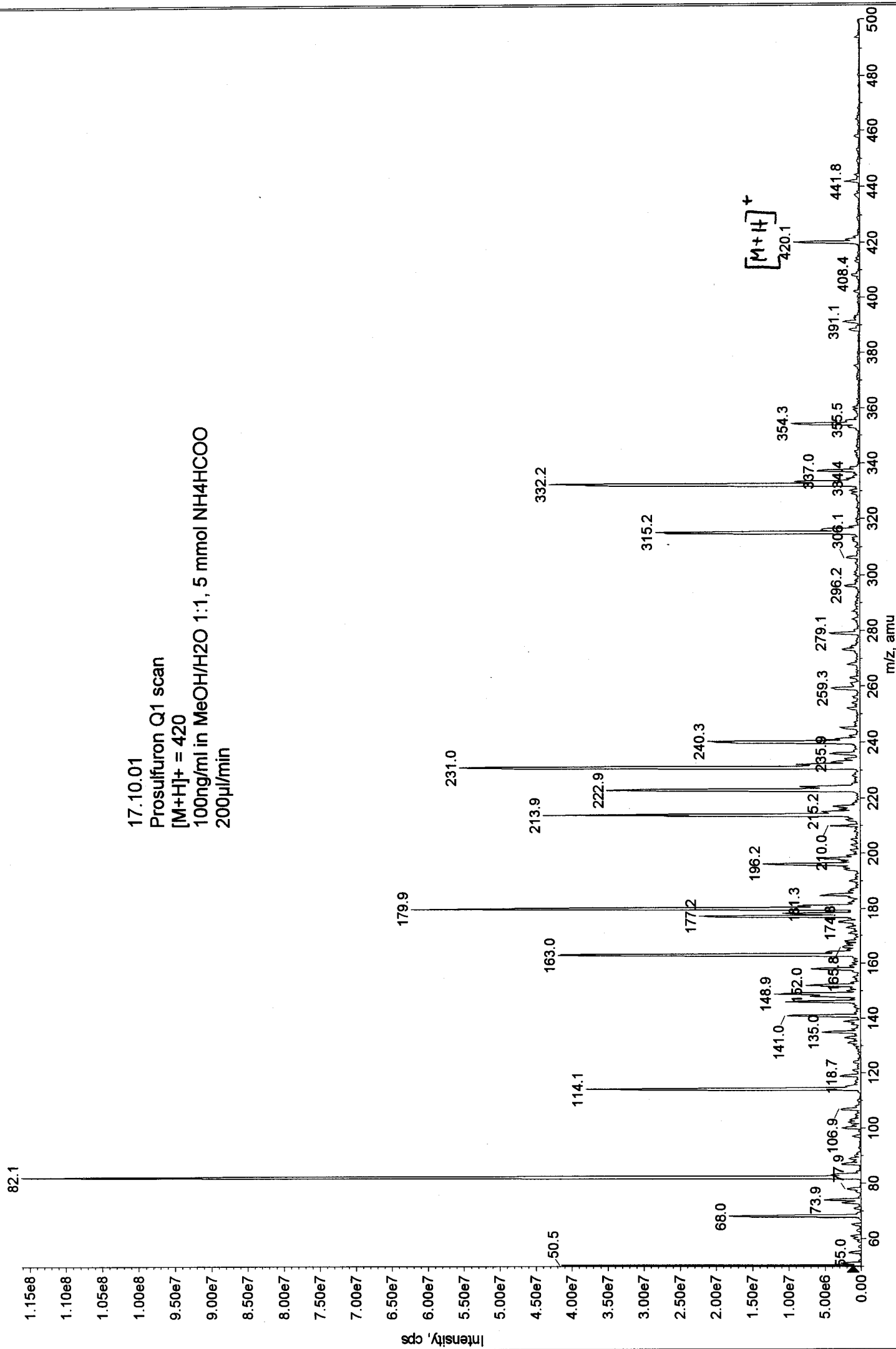
Transition	420,1 → 141,1	420,1 → 167,0
Declustering potential (DP) ^{*)}	59 V	59 V
Focusing potential (FP)	330 V	330 V
Entrance potential (EP)	9,0 V	10,0 V
Collision cell entrance potential (CEP)	24 V	24 V
Collision energy (CE)	27 V	25 V
Collision cell exit potential (CXP)	6 V	8 V

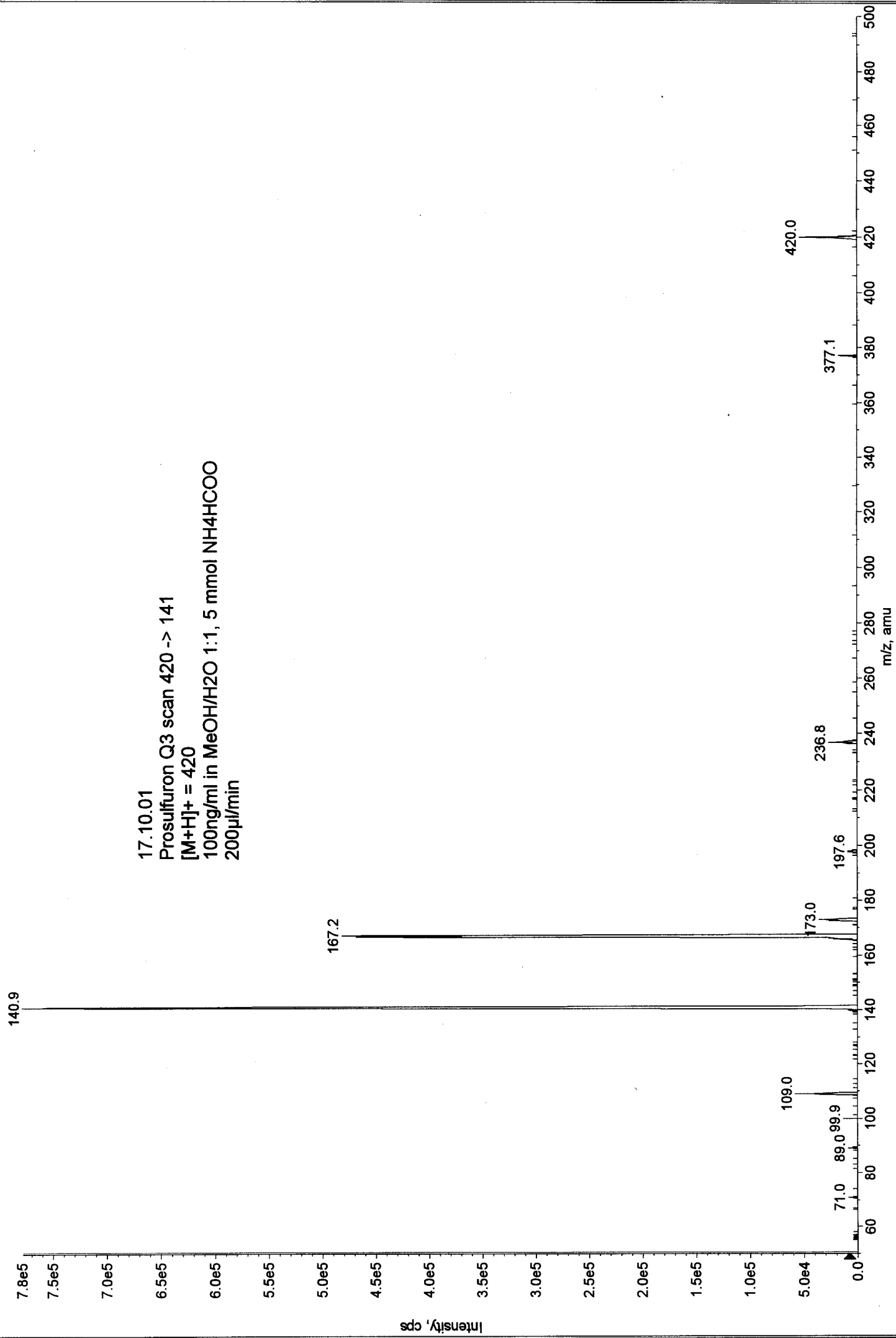
^{*)} For API 3000 and 4000 enhance DP by 20V

Fragmentation

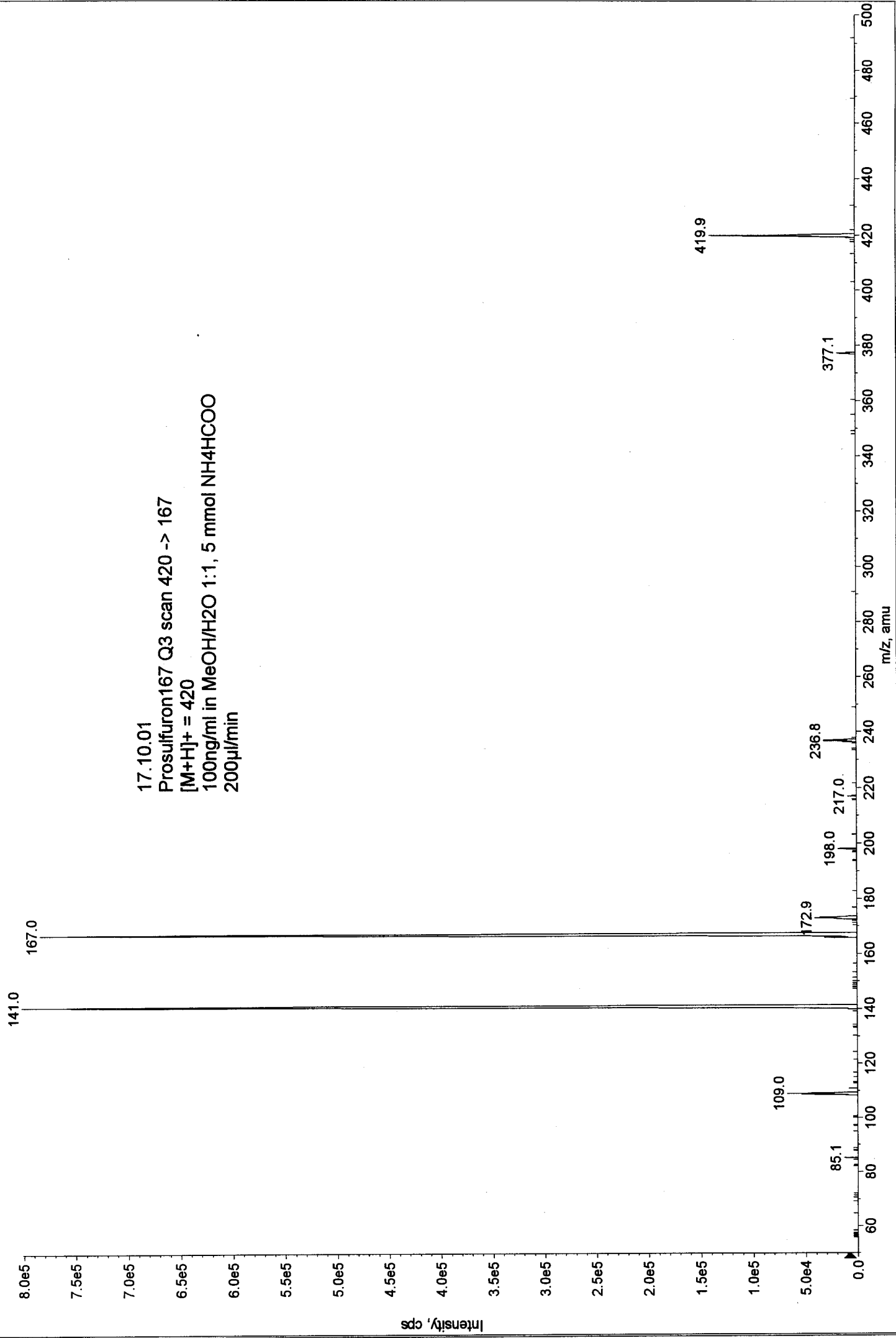


17.10.01
 Prosulfuron Q1 scan
 [M+H]⁺ = 420
 100ng/ml in MeOH/H₂O 1:1, 5 mmol NH₄HCOO
 200µl/min





17.10.01
Prosulfuron Q3 scan 420 -> 141
[M+H]⁺ = 420
100ng/ml in MeOH/H₂O 1:1, 5 mmol NH₄HCOO
200µl/min



17.10.01
Prosulfuron167 Q3 scan 420 -> 167
[M+H]⁺ = 420
100ng/ml in MeOH/H₂O 1:1, 5 mmol NH₄HCOO
200µl/min