

**BfR**

Risiken erkennen – Gesundheit schützen

## MS/MS Parameters of Pesticides

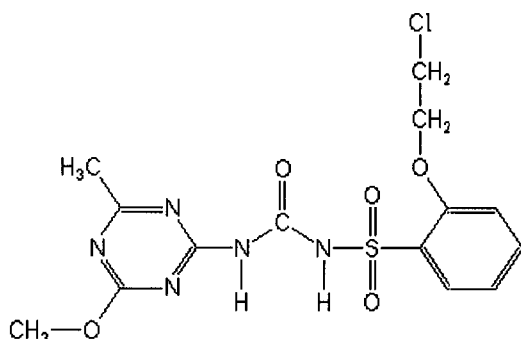
### Analyte: Triasulfuron

CAS No.: 82097-50-5

Formula: C<sub>14</sub>H<sub>16</sub>ClN<sub>5</sub>O<sub>5</sub>S

Molecular mass (lowest isotopes): 401,06 amu

Structure:



Ionisation: ESI +

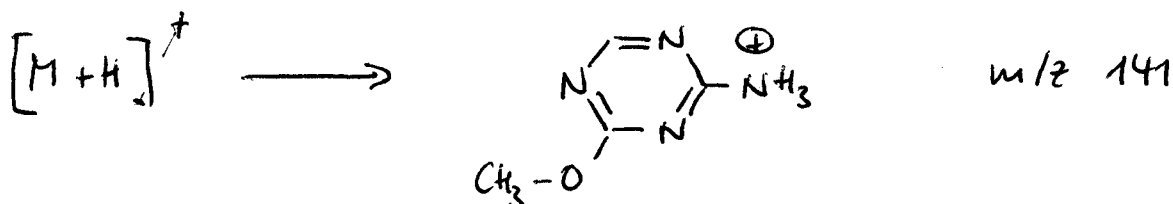
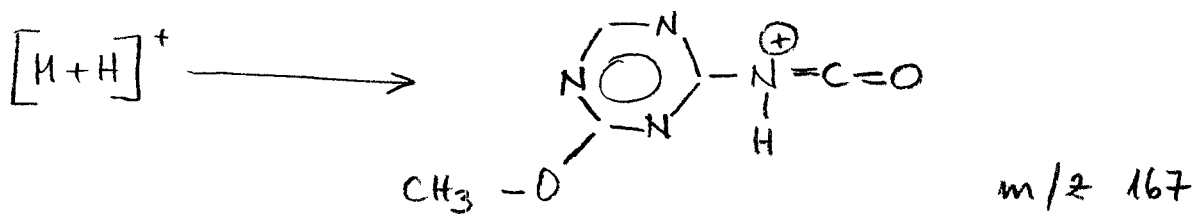
Quasimolecular ion: 402,1 amu = [M+H]<sup>+</sup>

Analyte sensitive parameter set (API 2000)

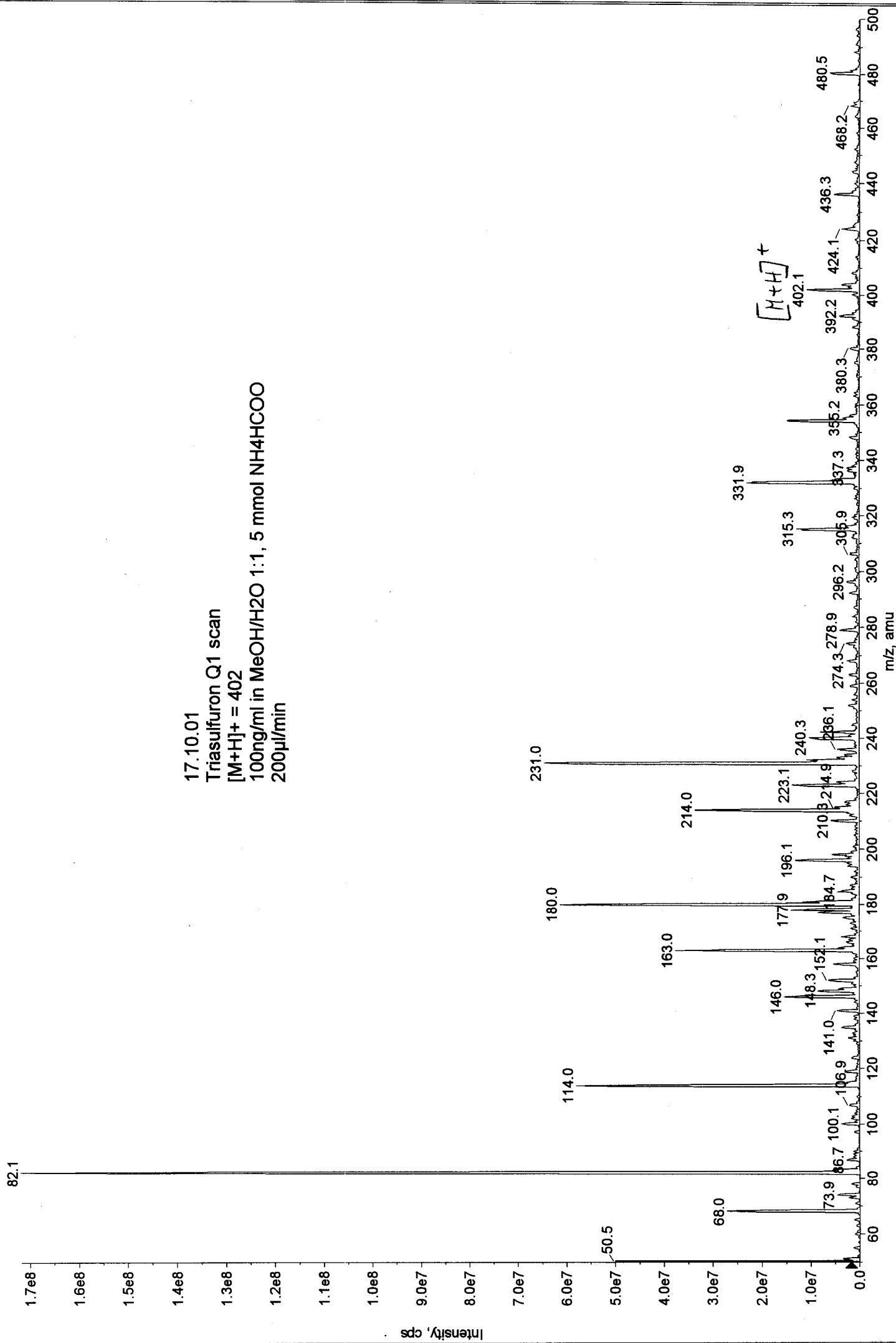
Transition	402,1 → 167,1	402,1 → 140,8
Declustering potential (DP) <sup>*)</sup>	44 V	44 V
Focusing potential (FP)	340 V	310 V
Entrance potential (EP)	10,0 V	10,0 V
Collision cell entrance potential (CEP)	26 V	24 V
Collision energy (CE)	25 V	29 V
Collision cell exit potential (CXP)	8 V	8 V

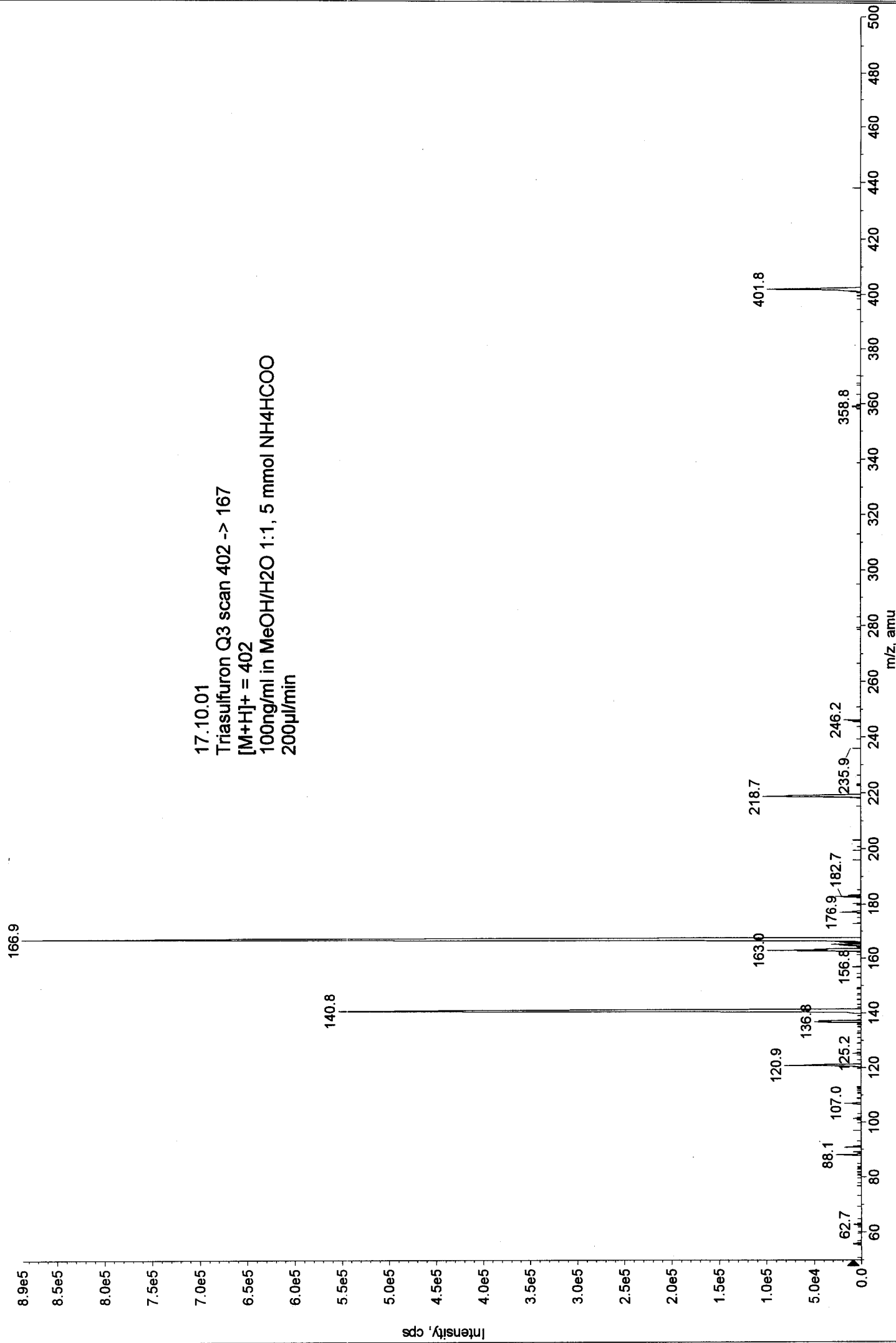
<sup>\*)</sup> For API 3000 and 4000 enhance DP by 20V

### Fragmentation



17.10.01  
Triasulfuron Q1 scan  
[M+H]<sup>+</sup> = 402  
100ng/ml in MeOH/H<sub>2</sub>O 1:1, 5 mmol NH<sub>4</sub>HCOO  
200µl/min





17.10.01  
Triasulfuron141 Q3 scan 402 -> 141  
[M+H]<sup>+</sup> = 402  
100ng/ml in MeOH/H<sub>2</sub>O 1:1, 5 mmol NH<sub>4</sub>HCOO  
200µl/min

