

## MS/MS Parameters of Pesticides

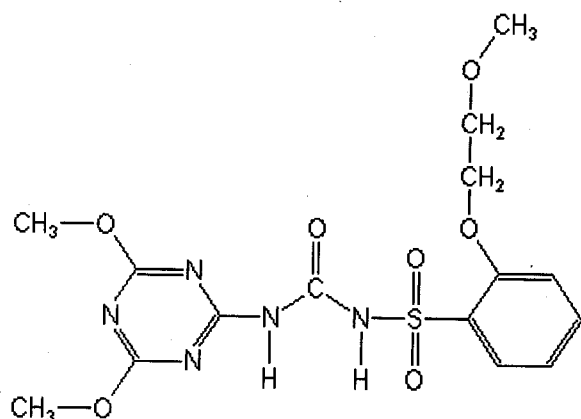
### Analyte: Cinosulfuron

CAS No.: 94593-91-6

Formula: C<sub>15</sub>H<sub>19</sub>N<sub>5</sub>O<sub>7</sub>S

Molecular mass (lowest isotopes): 413,10 amu

Structure:



Ionisation: ESI +

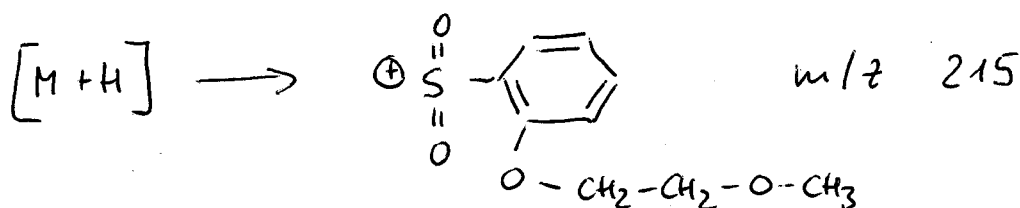
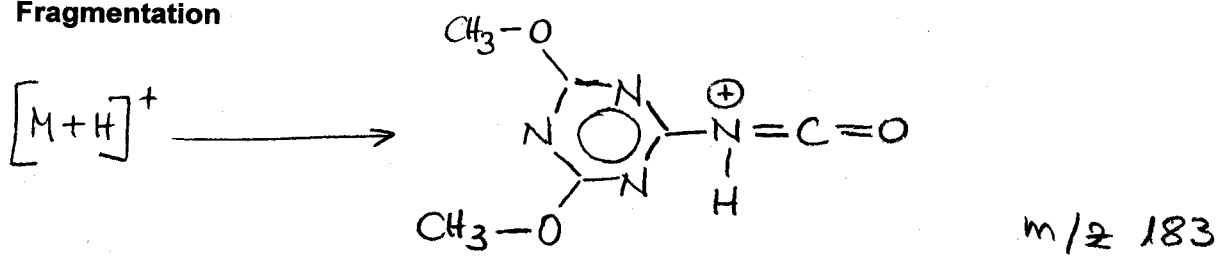
Quasimolecular ion: 414,1 amu = [M+H]<sup>+</sup>

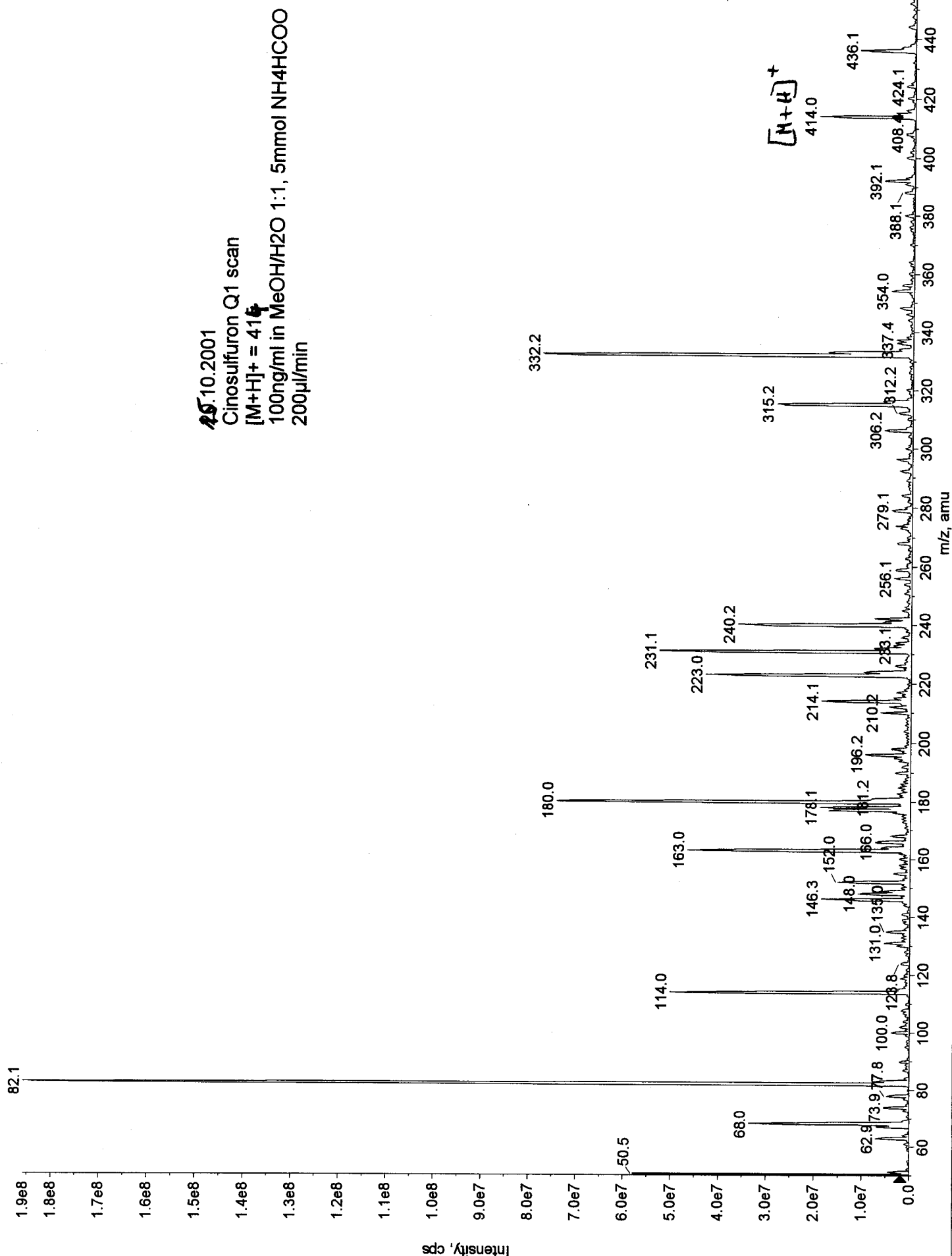
Analyte sensitive parameter set (API 2000)

Transition	414,1 → 182,9	414,1 → 214,9
Declustering potential (DP) <sup>*)</sup>	34 V	34 V
Focusing potential (FP)	360 V	360 V
Entrance potential (EP)	10,0 V	9,5 V
Collision cell entrance potential (CEP)	26 V	26 V
Collision energy (CE)	23 V	21 V
Collision cell exit potential (CXP)	10 V	10 V

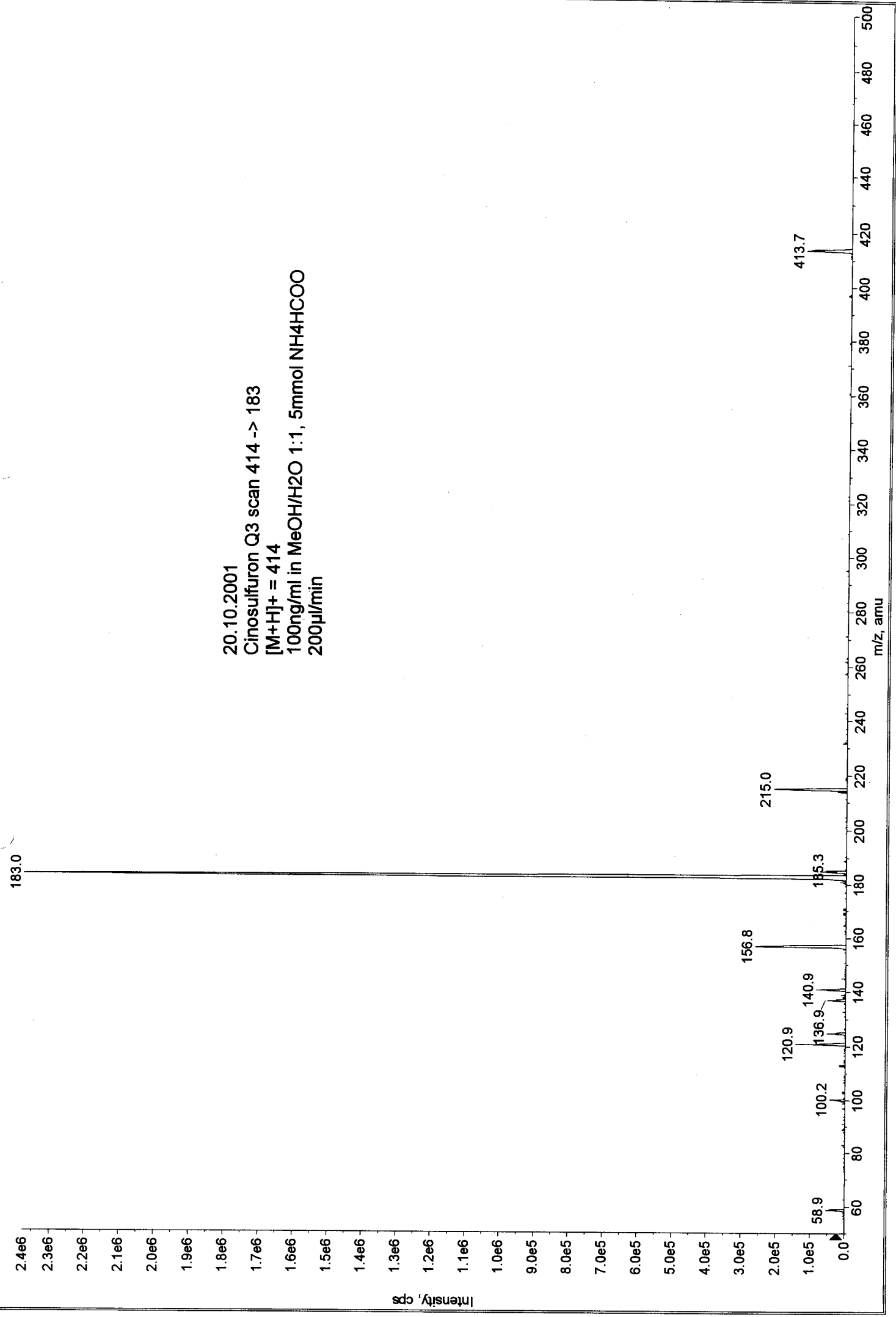
<sup>\*)</sup> For API 3000 and 4000 enhance DP by 20V

### Fragmentation





20.10.2001  
Cinosulfuron Q3 scan 414 -> 183  
[M+H]<sup>+</sup> = 414  
100ng/ml in MeOH/H<sub>2</sub>O 1:1, 5mmol NH<sub>4</sub>HCOO  
200µl/min



20.10.2001  
Cinosulfuron215 Q3 scan 414 -> 215  
[M+H]<sup>+</sup> = 414  
100ng/ml in MeOH/H<sub>2</sub>O 1:1, 5mmol NH<sub>4</sub>HCOO  
200µl/min

