

**BfR**

Risiken erkennen – Gesundheit schützen

## MS/MS Parameters of Pesticides

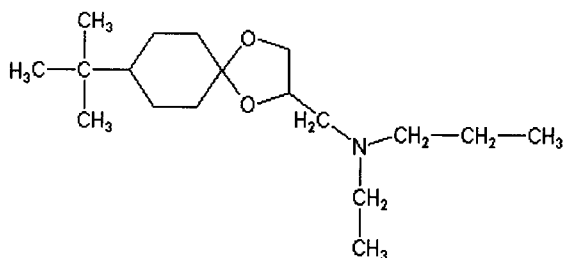
### Analyte: Spirooxamine

CAS No.: 118134-30-8

Formula: C<sub>18</sub>H<sub>35</sub>NO<sub>2</sub>

Molecular mass (lowest isotopes): 297,27 amu

Structure:



Ionisation: ESI +

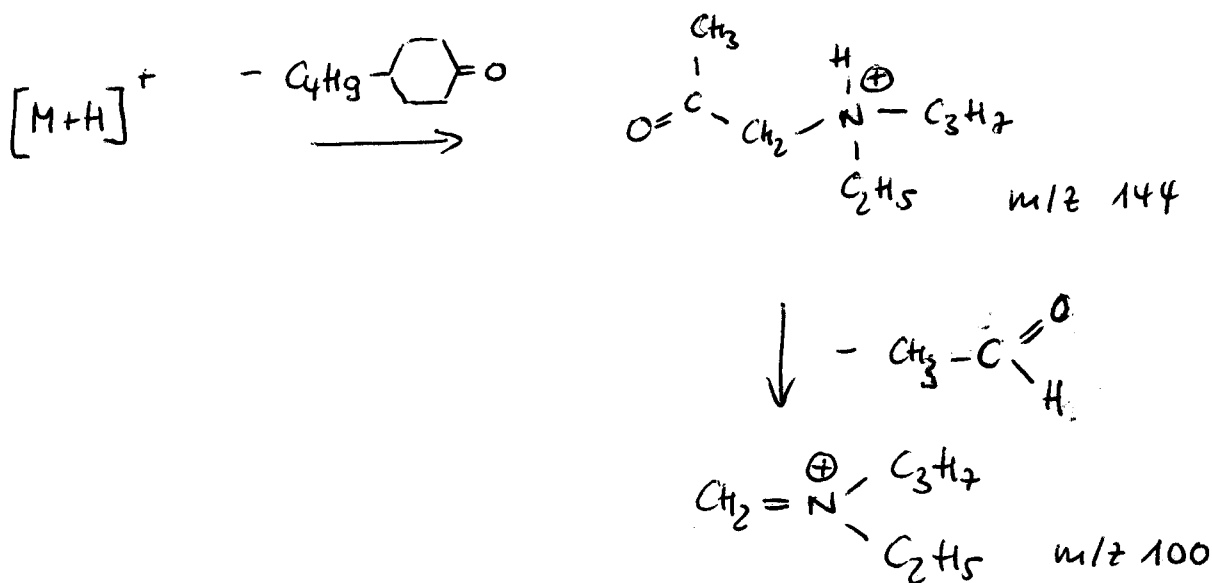
Quasimolecular ion: 298,3 amu = [M+H]<sup>+</sup>

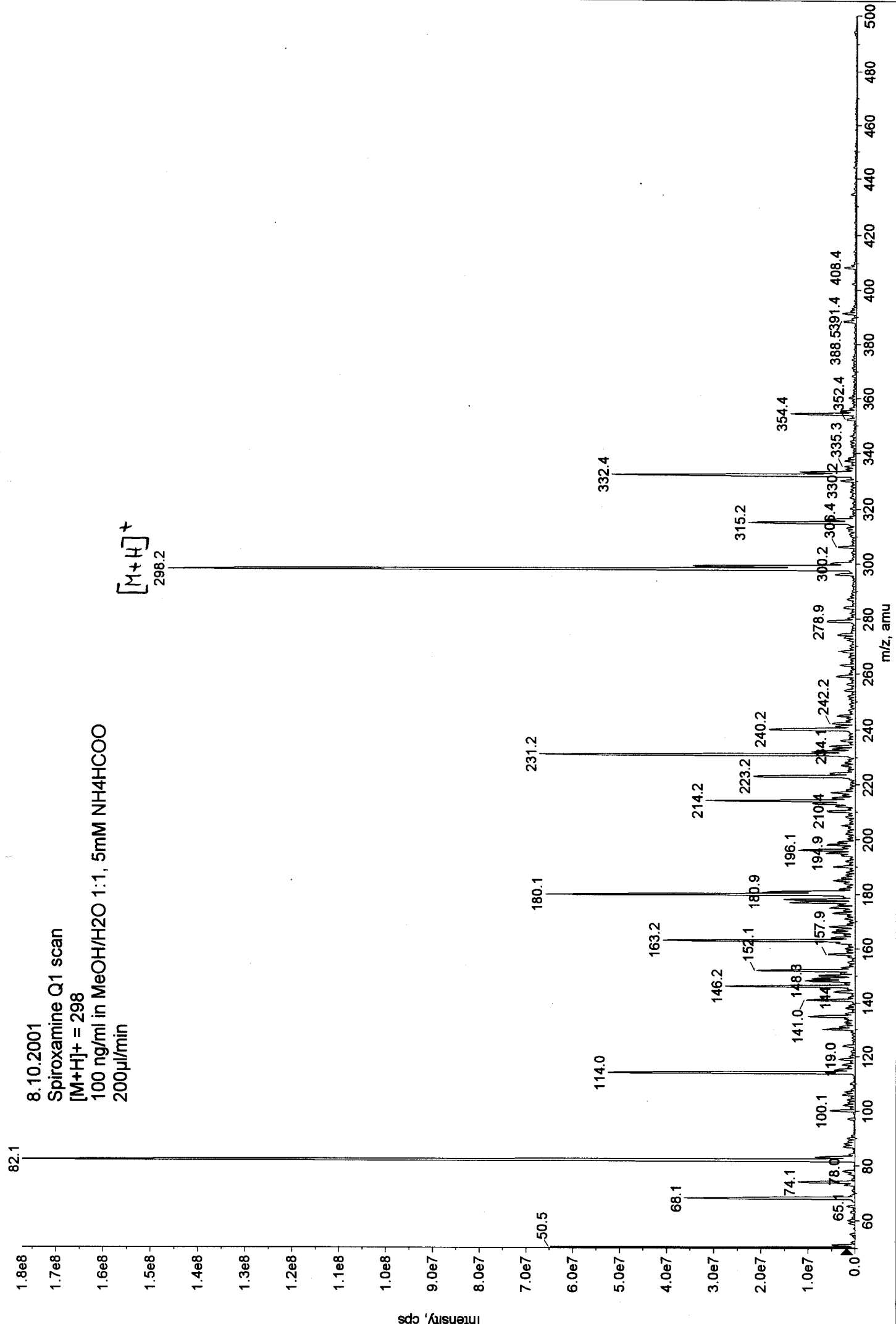
Analyte sensitive parameter set (API 2000)

Transition	298,3 → 144,2	298,3 → 100,1
Declustering potential (DP) <sup>*)</sup>	41 V	41 V
Focusing potential (FP)	320 V	350 V
Entrance potential (EP)	12,0 V	12,0 V
Collision cell entrance potential (CEP)	20 V	22 V
Collision energy (CE)	27 V	41 V
Collision cell exit potential (CXP)	6 V	4 V

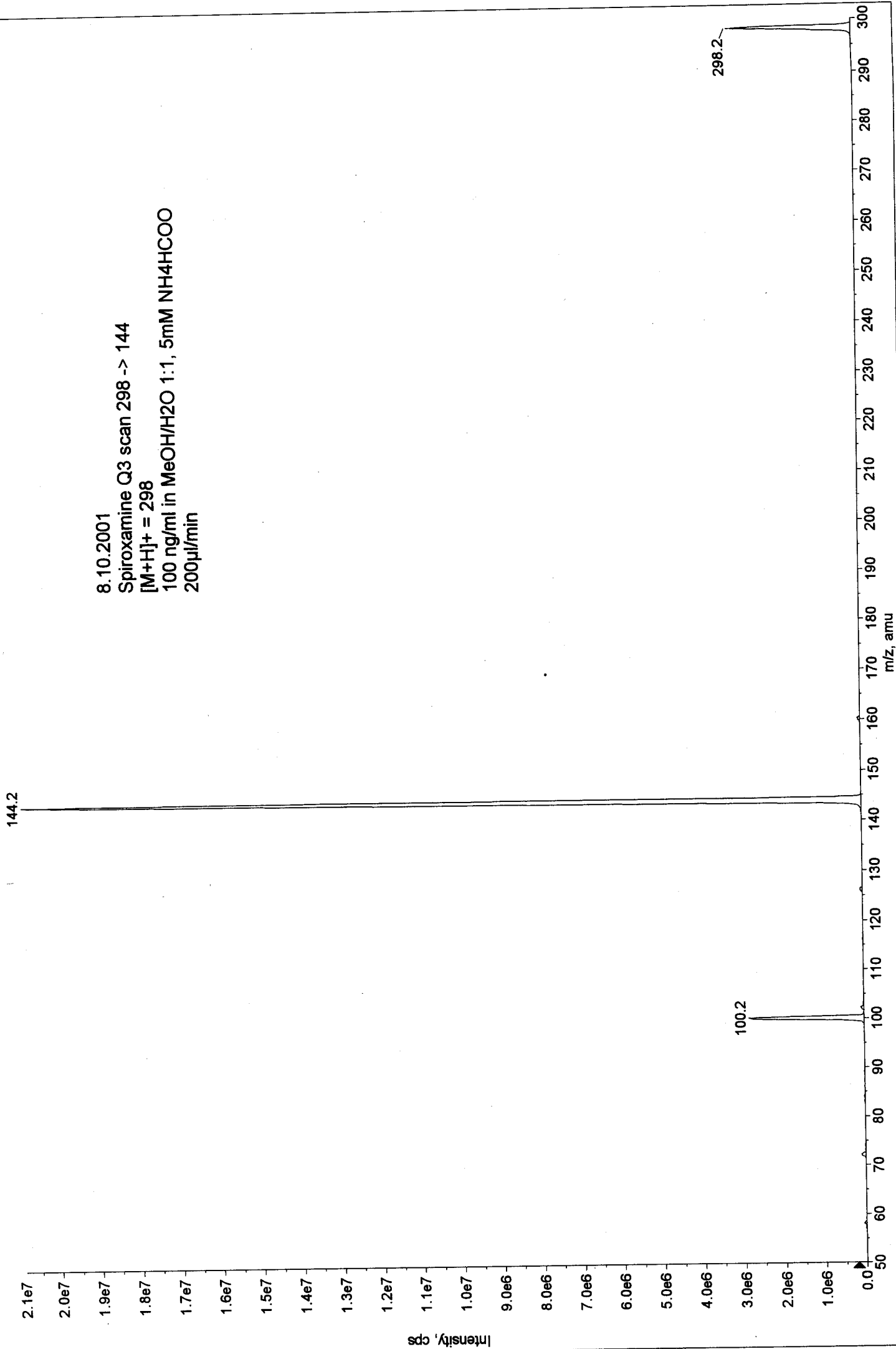
<sup>\*)</sup> For API 3000 and 4000 enhance DP by 20V

### Fragmentation





8.10.2001  
Spiroxamine Q3 scan 298 -> 144  
[M+H]<sup>+</sup> = 298  
100 ng/ml in MeOH/H<sub>2</sub>O 1:1, 5mM NH<sub>4</sub>HCOO  
200 µl/min



8.10.2001  
Spiroxamine100 Q3 scan 298 -> 100  
[M+H]<sup>+</sup> = 298  
100 ng/ml in MeOH/H<sub>2</sub>O 1:1, 5mM NH<sub>4</sub>HCOO  
200µl/min

