

**BfR**

Risiken erkennen – Gesundheit schützen

## MS/MS Parameters of Pesticides

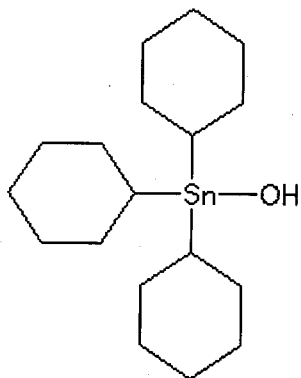
### Analyte: Cyhexatin

CAS No.: 13121-70-5

Formula: C<sub>18</sub>H<sub>34</sub>O<sub>2</sub>Sn

Molecular mass (lowest isotopes): 386,16 amu

Structure:



Ionisation: ESI +

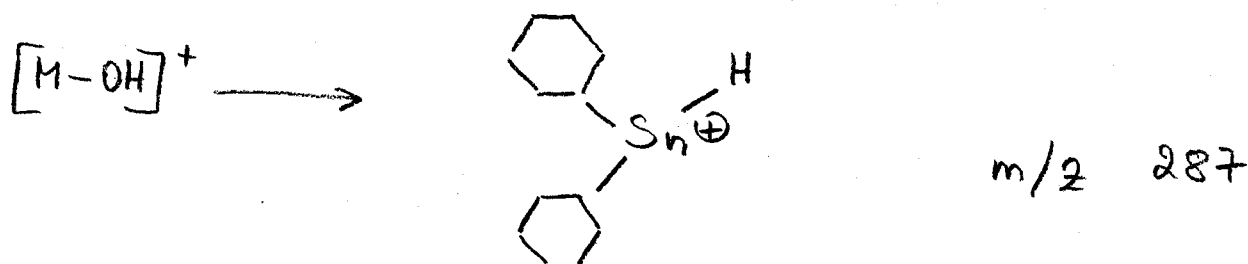
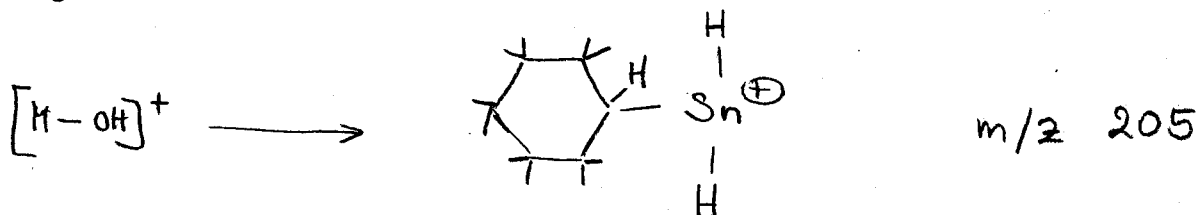
Quasimolecular ion: 369,2 amu = [M-OH]<sup>+</sup>

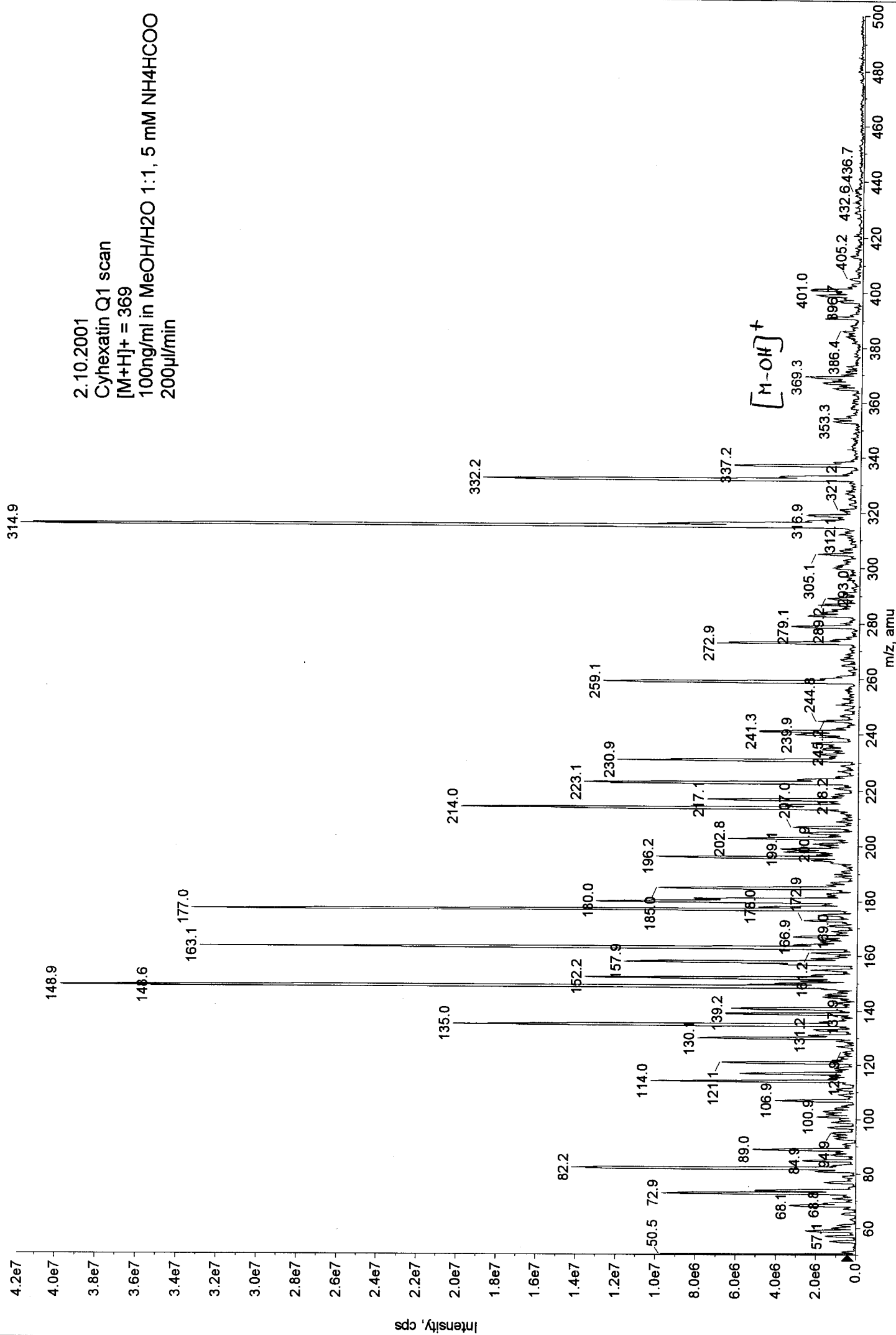
Analyte sensitive parameter set (API 2000)

| Transition                                | 369,2 → 204,8 | 369,2 → 287,0 |
|---|---------------|---------------|
| Declustering potential (DP) <sup>*)</sup> | 74 V          | 74 V          |
| Focusing potential (FP)                   | 340 V         | 340 V         |
| Entrance potential (EP)                   | 12,0 V        | 12,0 V        |
| Collision cell entrance potential (CEP)   | 22 V          | 28 V          |
| Collision energy (CE)                     | 23 V          | 17 V          |
| Collision cell exit potential (CXP)       | 10 V          | 14 V          |

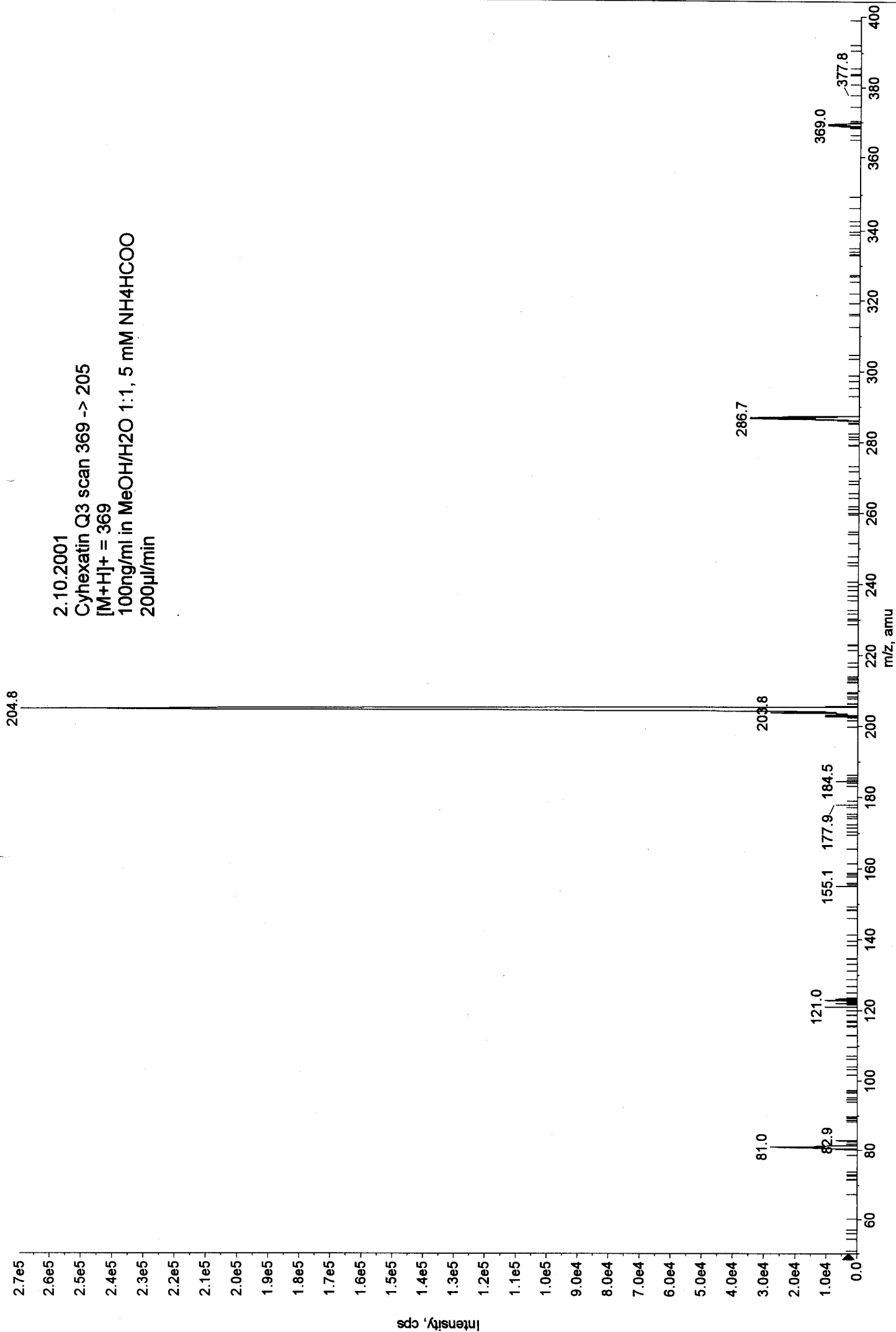
<sup>\*)</sup> For API 3000 and 4000 enhance DP by 20V

### Fragmentation





2.10.2001  
Cyhexatin Q3 scan 369 -> 205  
[M+H]<sup>+</sup> = 369  
100ng/ml in MeOH/H<sub>2</sub>O 1:1, 5 mM NH<sub>4</sub>HCOO  
200µl/min



2.10.2001  
Cyhexatin287 Q3 scan 369 -> 287  
[M+H]<sup>+</sup> = 369  
100ng/ml in MeOH/H<sub>2</sub>O 1:1, 5 mM NH<sub>4</sub>HCOO  
200µl/min

