

**BfR**

Risiken erkennen – Gesundheit schützen

## MS/MS Parameters of Pesticides

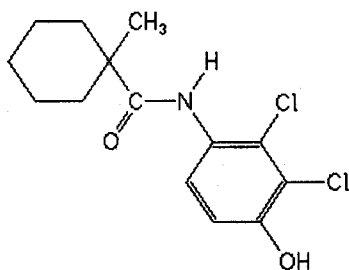
### Analyte: Fenhexamid

CAS No.: 126833-17-8

Formula: C<sub>14</sub>H<sub>17</sub>Cl<sub>2</sub>NO<sub>2</sub>

Molecular mass (lowest isotopes): 301,06 amu

Structure:



Ionisation: ESI +

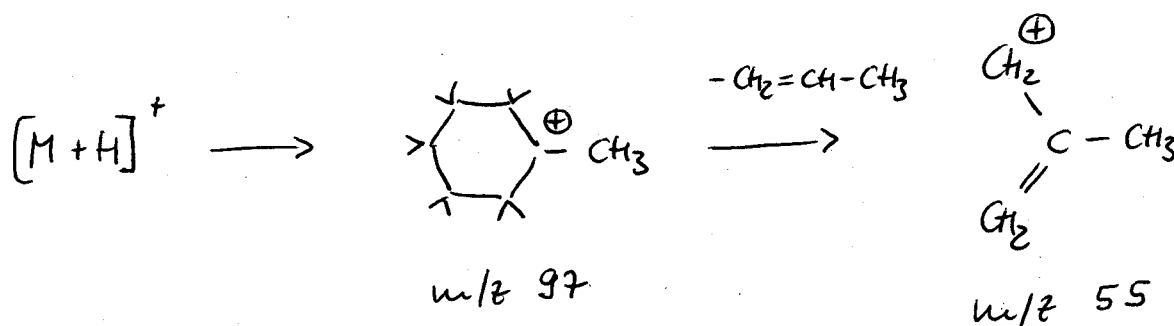
Quasimolecular ion: 302,1 amu = [M+H]<sup>+</sup>

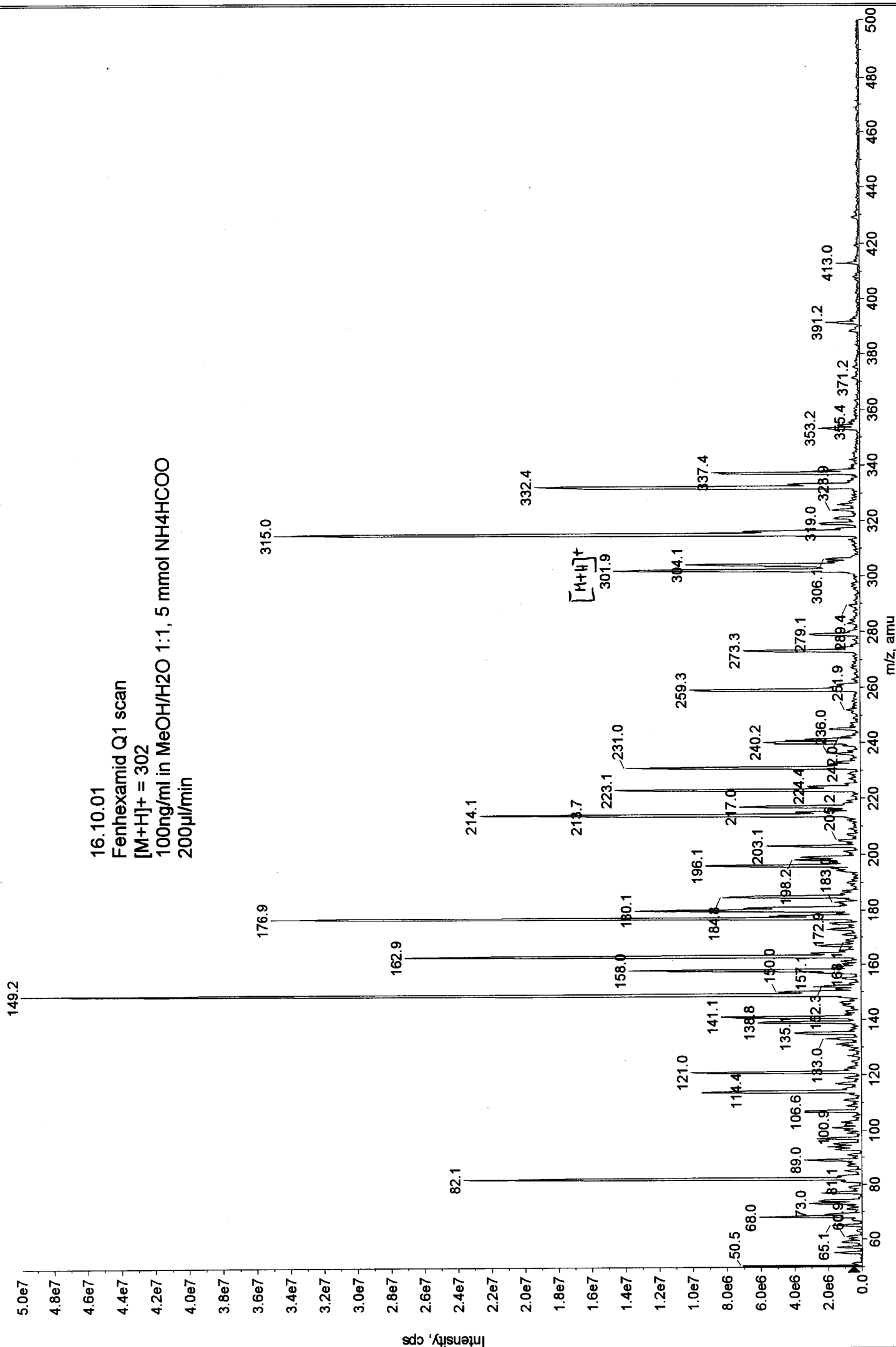
Analyte sensitive parameter set (API 2000)

Transition	302,1 → 97,2	302,1 → 55,1
Declustering potential (DP) <sup>*)</sup>	91 V	91 V
Focusing potential (FP)	350 V	310 V
Entrance potential (EP)	12,0 V	12,0 V
Collision cell entrance potential (CEP)	20 V	20 V
Collision energy (CE)	33 V	57 V
Collision cell exit potential (CXP)	4 V	8 V

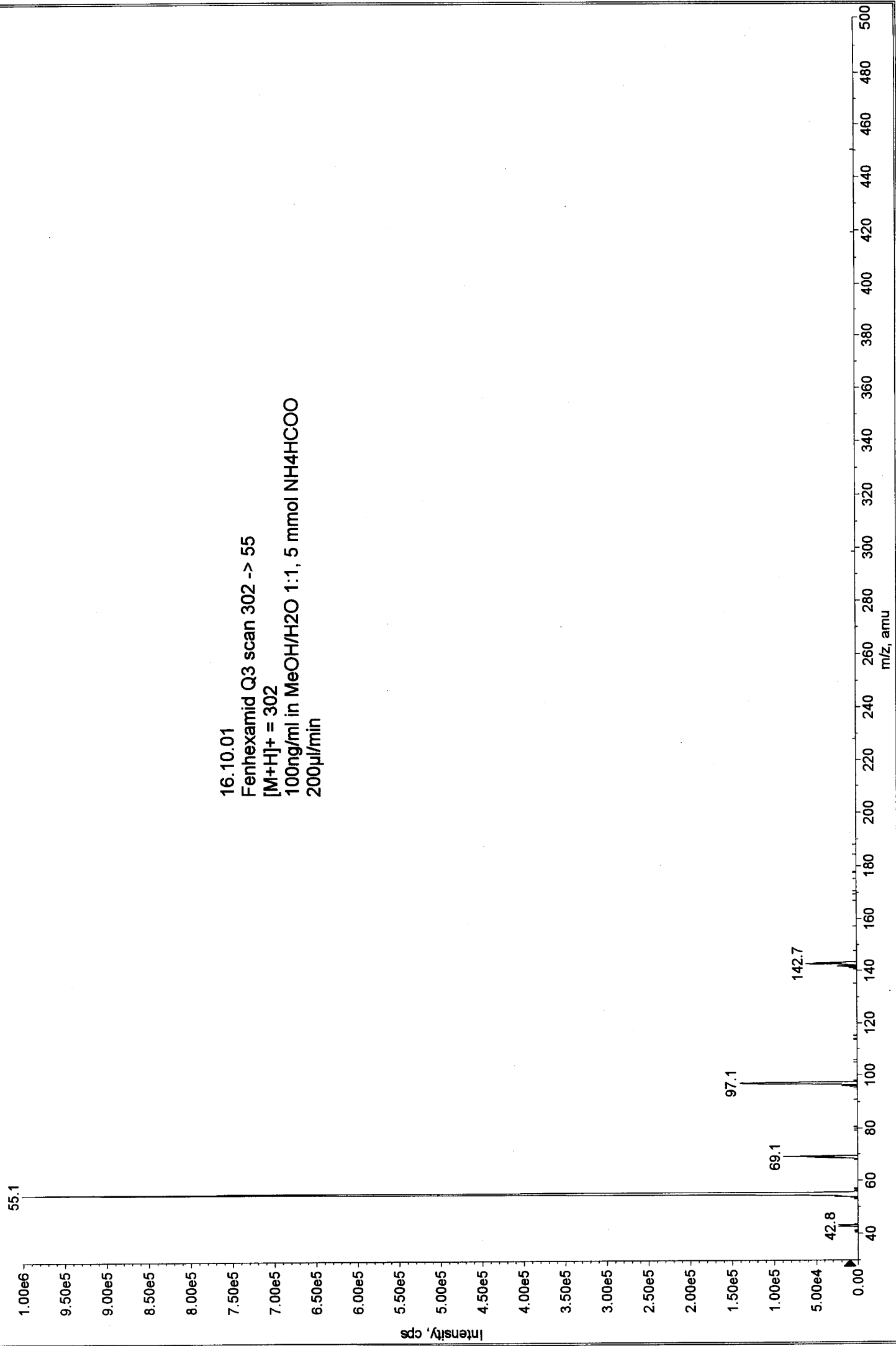
<sup>\*)</sup> For API 3000 and 4000 enhance DP by 20V

### Fragmentation





16.10.01  
Fenhexamid Q3 scan 302 -> 55  
[M+H]<sup>+</sup> = 302  
100ng/ml in MeOH/H<sub>2</sub>O 1:1, 5 mmol NH<sub>4</sub>HCOO  
200µl/min



16.10.01  
Fenhexamid97 Q3 scan 302 -> 97  
[M+H]<sup>+</sup> = 302  
100ng/ml in MeOH/H<sub>2</sub>O 1:1, 5 mmol NH<sub>4</sub>HCOO  
200µl/min

