

**BfR**

Risiken erkennen – Gesundheit schützen

## MS/MS Parameters of Pesticides

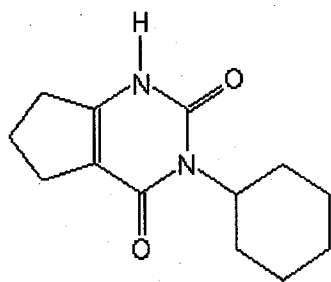
### Analyte: Lenacil

CAS No.: 2164-08-1

Formula: C<sub>13</sub>H<sub>18</sub>N<sub>2</sub>O<sub>2</sub>

Molecular mass (lowest isotopes): 234,14 amu

Structure:



Ionisation: ESI +

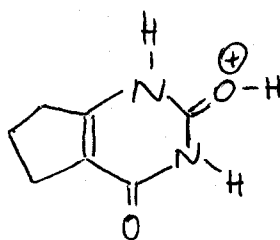
Quasimolecular ion: 235,1 amu = [M+H]<sup>+</sup>

Analyte sensitive parameter set (API 2000)

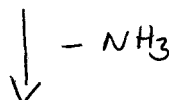
Transition	235,1 → 153,1	235,1 → 136,1
Declustering potential (DP) <sup>*)</sup>	54V	54 V
Focusing potential (FP)	370 V	350 V
Entrance potential (EP)	8,5 V	9,5 V
Collision cell entrance potential (CEP)	14 V	14 V
Collision energy (CE)	21 V	43 V
Collision cell exit potential (CXP)	8 V	6 V

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

### Fragmentation

 $[M+H]^+$ 

m/z 153



m/z 136

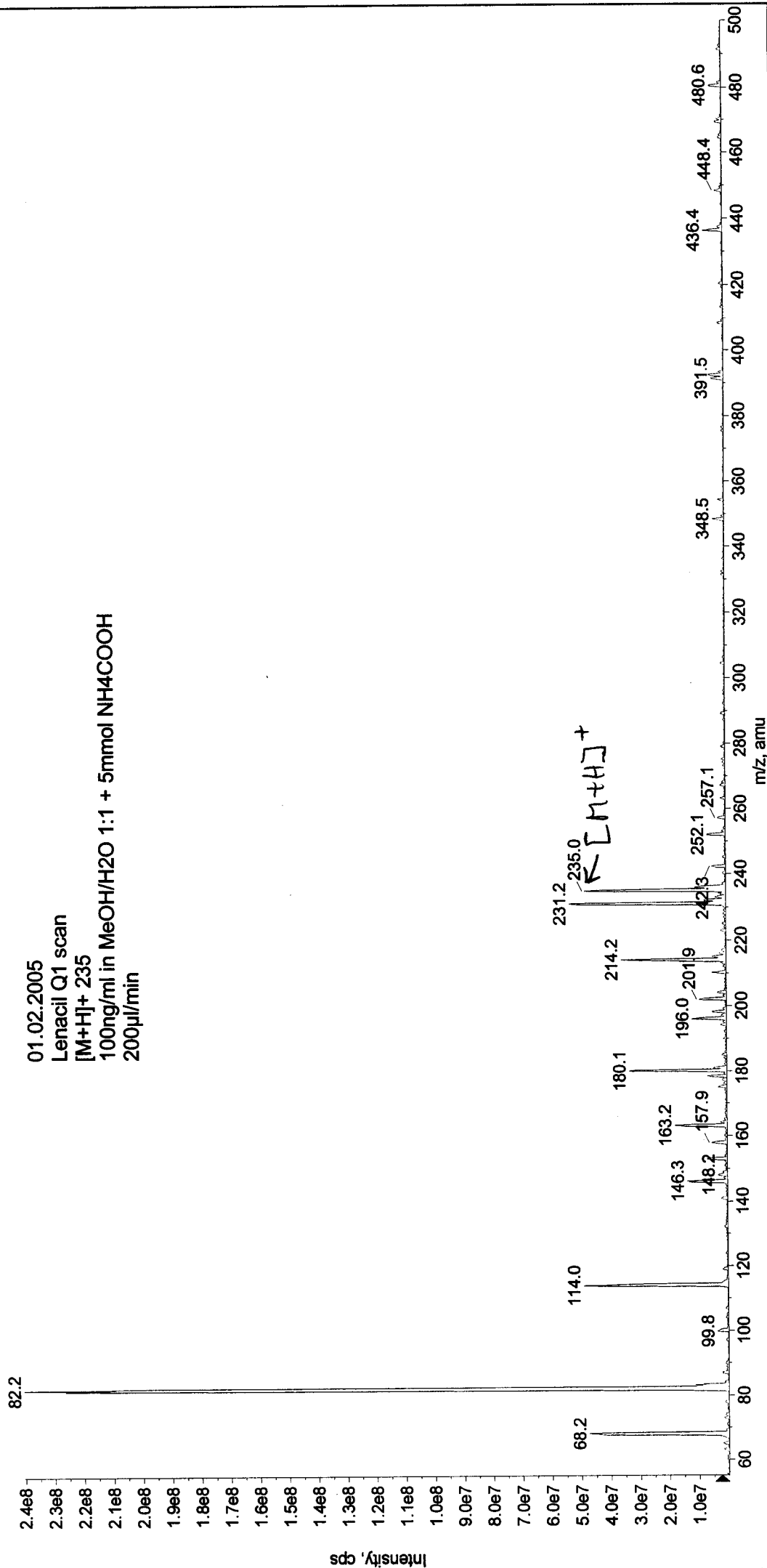
Printing Time: 11:38:40  
Printing Date: Tuesday, February 01, 2005

Acq. Time: 11:36  
Acq. Date: Tuesday, February 01, 2005  
Acq. File: MT20050201113654.wiff

Sample Comment:  
Sample Name: TuneSampleID  
Batch Name: ManualTune.bat

+Q1: 30 MCA scans from Sample 1 (TuneSampleID) of MT20050201113654.wiff (Turbo Spray) Max. 2.4e8 cps

01.02.2005  
Lenacil Q1 scan  
[M+H]<sup>+</sup> 235  
100ng/ml in MeOH/H<sub>2</sub>O 1:1 + 5mmol NH<sub>4</sub>COOH  
200µl/min



Printing Time: 11:40:45  
Printing Date: Tuesday, February 01, 2005

Acq. Time: 11:39  
Acq. Date: Tuesday, February 01, 2005  
Acq. File: MT20050201113923.wiff

Sample Comment:  
Sample Name: TuneSampleID  
Batch Name: ManualTune.bat

