

**BfR**

Risiken erkennen – Gesundheit schützen

## MS/MS Parameters of Pesticides

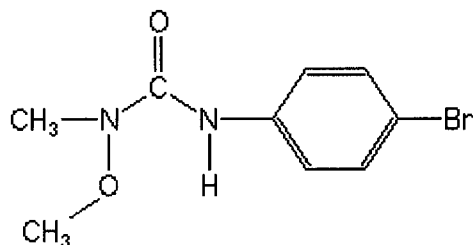
### Analyte: Metobromuron

CAS No.: 3060-89-7

Formula: C<sub>9</sub>H<sub>11</sub>BrN<sub>2</sub>O<sub>2</sub>

Molecular mass (lowest isotopes): 258,00 amu

Structure:



Ionisation: ESI +

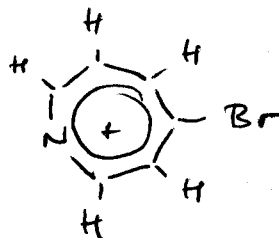
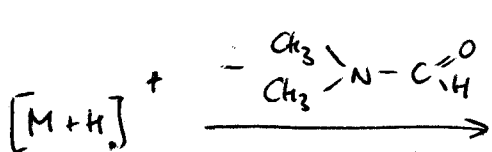
Quasimolecular ion: 259,0 amu = [M+H]<sup>+</sup>

Analyte sensitive parameter set (API 2000)

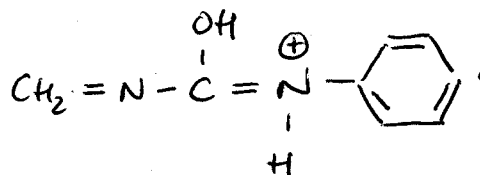
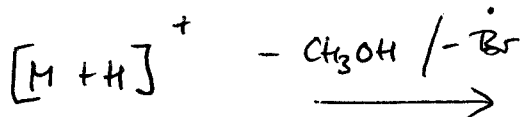
Transition	259,0 → 170,0	259,0 → 147,9
Declustering potential (DP) <sup>*)</sup>	56 V	56 V
Focusing potential (FP)	340 V	340 V
Entrance potential (EP)	8,5 V	8,5 V
Collision cell entrance potential (CEP)	18 V	20 V
Collision energy (CE)	25 V	21 V
Collision cell exit potential (CXP)	8 V	8 V

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

### Fragmentation



m/z 170

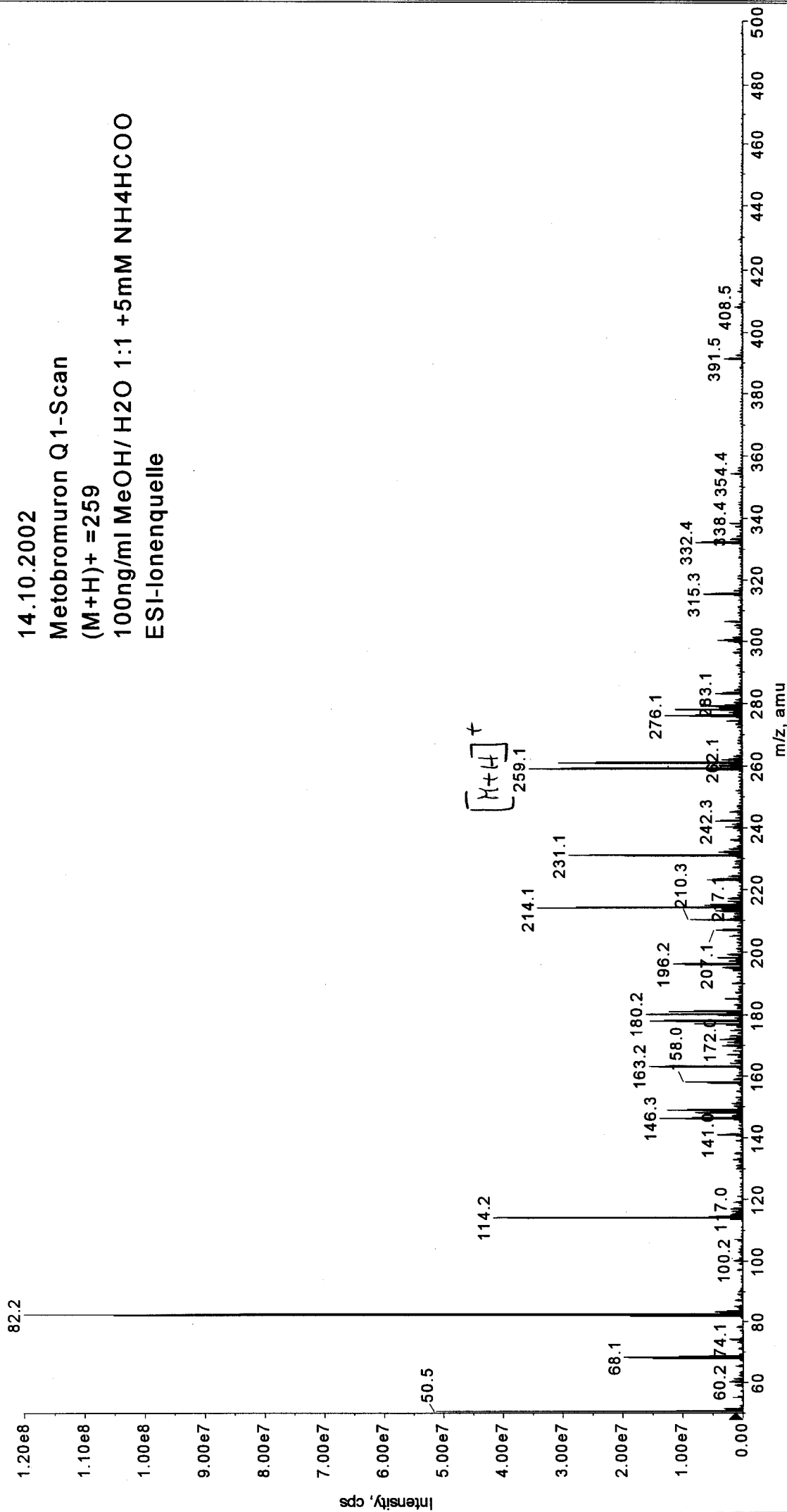


m/z 148

■ +Q1: 30 MCA scans from MT20021014113808.wiff

Max. 1.2e8 cps

14.10.2002  
Metobromuron Q1-Scan  
(M+H)<sup>+</sup> = 259  
100ng/ml MeOH/H<sub>2</sub>O 1:1 +5mM NH<sub>4</sub>HCOO  
ESI-Ionenquelle



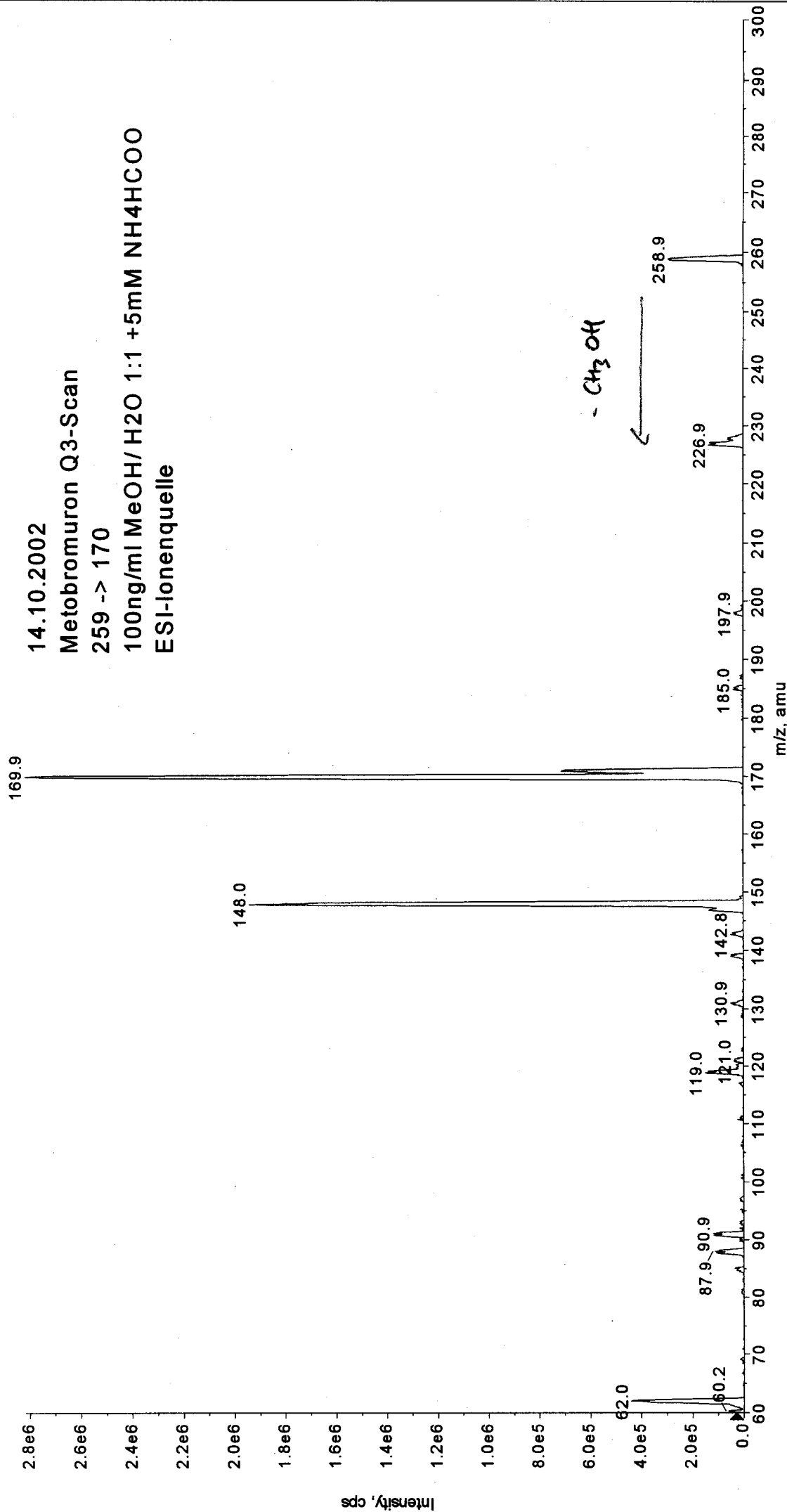
Printing Date: 14 October 2002  
Printing Time: 11:43:57

Acq. Date: Monday, October 14, 2002  
Acq. Time: 11:42  
Acq. File: MT20021014114237.wiff

Sample Comment:  
Sample Name:  
Batch Name: N/A

■ +Product (259.0): 30 MCA scans from MT20021014114237.wiff

Max. 2.8e6 cps.



Printing Date: 14 October 2002  
Printing Time: 11:55:34

Acq. Date: Monday, October 14, 2002  
Acq. Time: 11:54  
Acq. File: MT20021014115426.wiff

Sample Comment:  
Sample Name:  
Batch Name: N/A

■ +Product (259.0): 30 MCA scans from MT20021014115426.wiff

Max. 3.1e6 cps

14.10.2002  
Metobromuron 148 Q3-Scan  
259 -> 148  
100ng/ml MeOH/H2O 1:1 +5mM NH4HCOO  
ESI-Ionenquelle

