

**BfR**

Risiken erkennen – Gesundheit schützen

## MS/MS Parameters of Pesticides

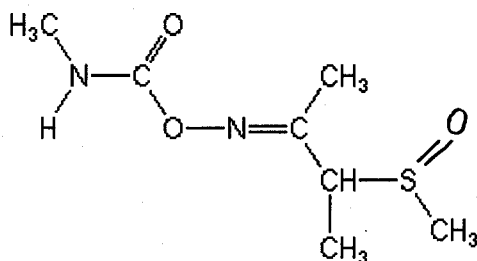
### Analyte: Butocarboxim-sulfoxid

CAS No.: 34681-24-8

Formula: C<sub>7</sub>H<sub>14</sub>N<sub>2</sub>O<sub>3</sub>S

Molecular mass (lowest isotopes): 206,07 amu

Structure:



Ionisation: ESI +

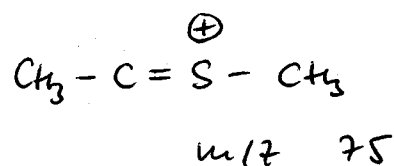
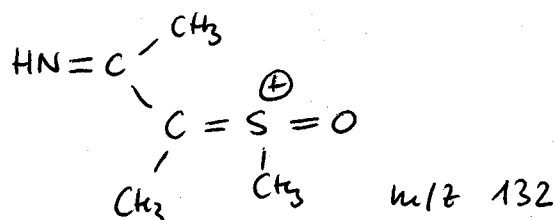
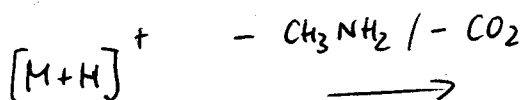
Quasimolecular ion: 207,1 amu = [M+H]<sup>+</sup>

Analyte sensitive parameter set (API 2000)

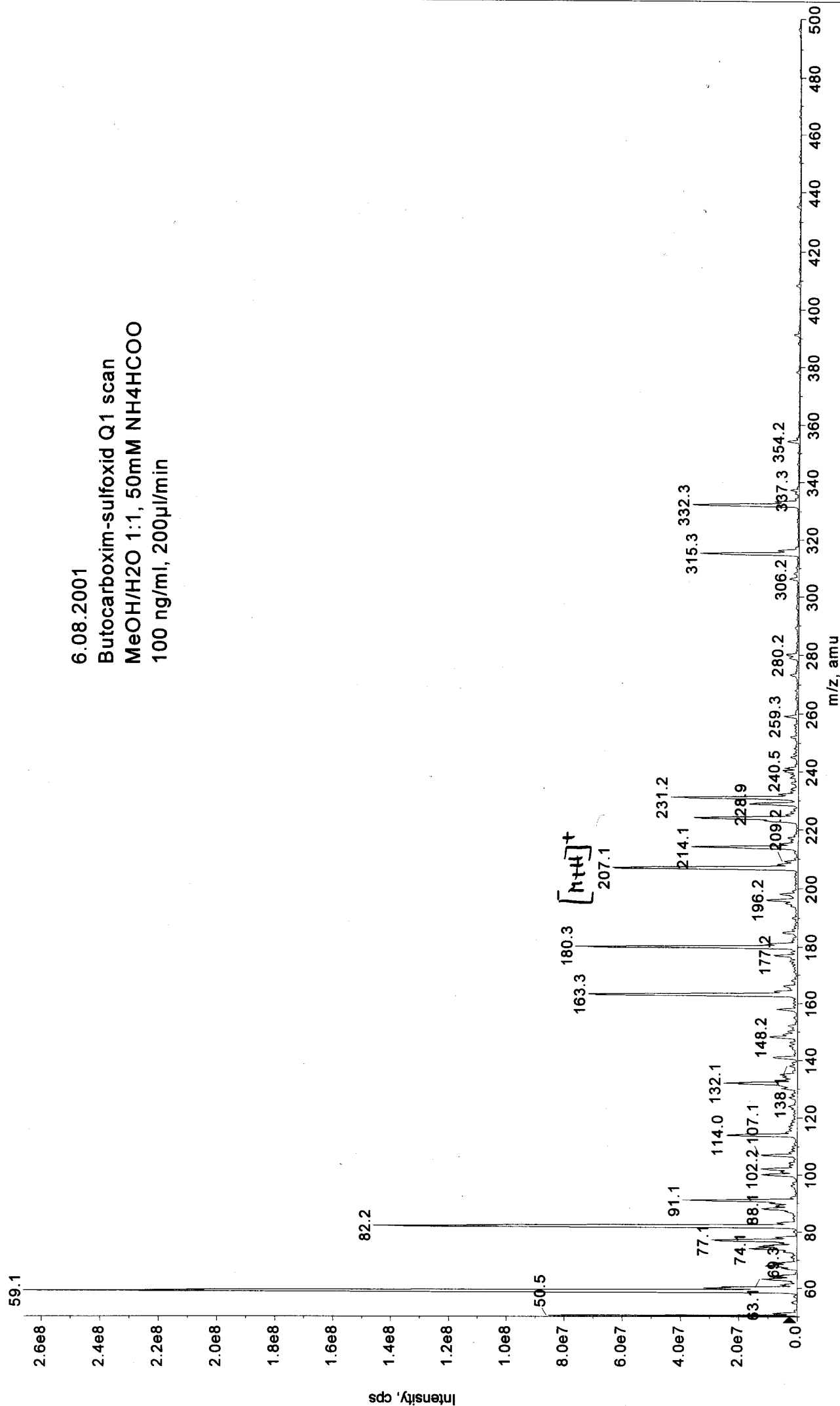
Transition	207,1 → 131,9	207,1 → 75,0
Declustering potential (DP) <sup>*)</sup>	19 V	19 V
Focusing potential (FP)	360 V	360 V
Entrance potential (EP)	10,5 V	9,0 V
Collision cell entrance potential (CEP)	10 V	10 V
Collision energy (CE)	11 V	19 V
Collision cell exit potential (CXP)	6 V	10 V

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

### Fragmentation



6.08.2001  
Butocarboxim-sulfoxid Q1 scan  
MeOH/H2O 1:1, 50mM NH4HCOO  
100 ng/ml, 200µl/min



6.08.2001  
Butocarbim-sulfoxid132 Q3 scan 207 -> 132  
MeOH/H2O 1:1, 50mM NH4HCOO  
100 ng/ml, 200µl/min

