

**BfR**

Risiken erkennen – Gesundheit schützen

## MS/MS Parameters of Pesticides

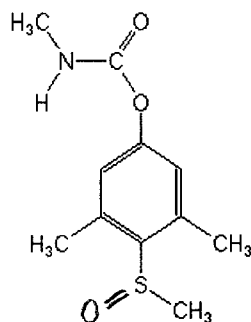
### Analyte: Methiocarb-sulfoxid

CAS No.: 2635-10-1

Formula: C<sub>11</sub>H<sub>15</sub>NO<sub>3</sub>S

Molecular mass (lowest isotopes): 241,08 amu

Structure:



Ionisation: ESI +

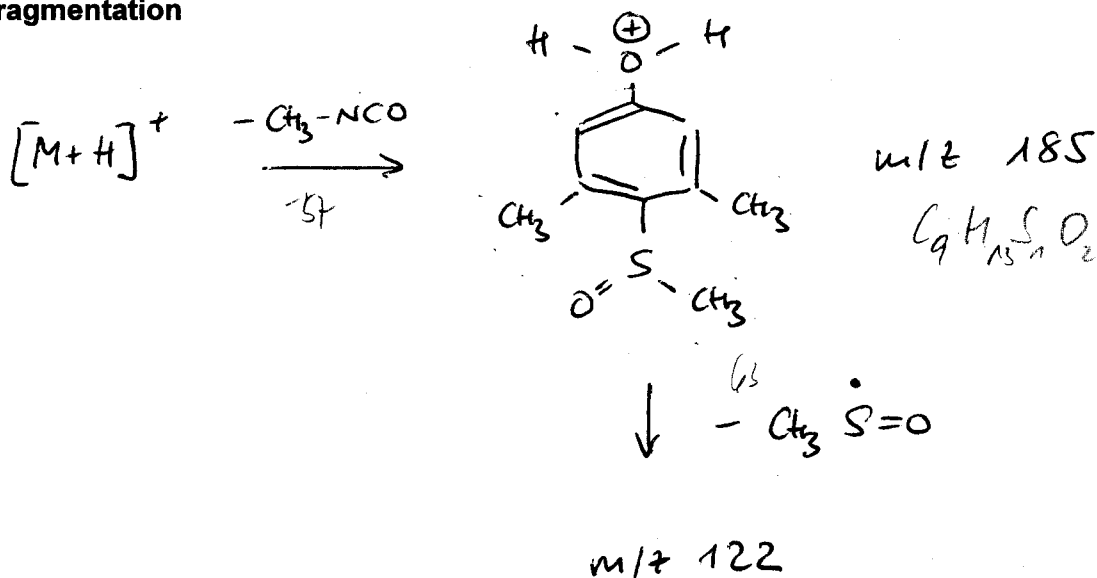
Quasimolecular ion: 242,1 amu = [M+H]<sup>+</sup>

Analyte sensitive parameter set (API 2000)

Transition	242,1 → 185,1	242,1 → 122,0
Declustering potential (DP) <sup>*)</sup>	34 V	34 V
Focusing potential (FP)	350 V	340 V
Entrance potential (EP)	8,5 V	8,5 V
Collision cell entrance potential (CEP)	14 V	14 V
Collision energy (CE)	19 V	39 V
Collision cell exit potential (CXP)	10 V	6 V

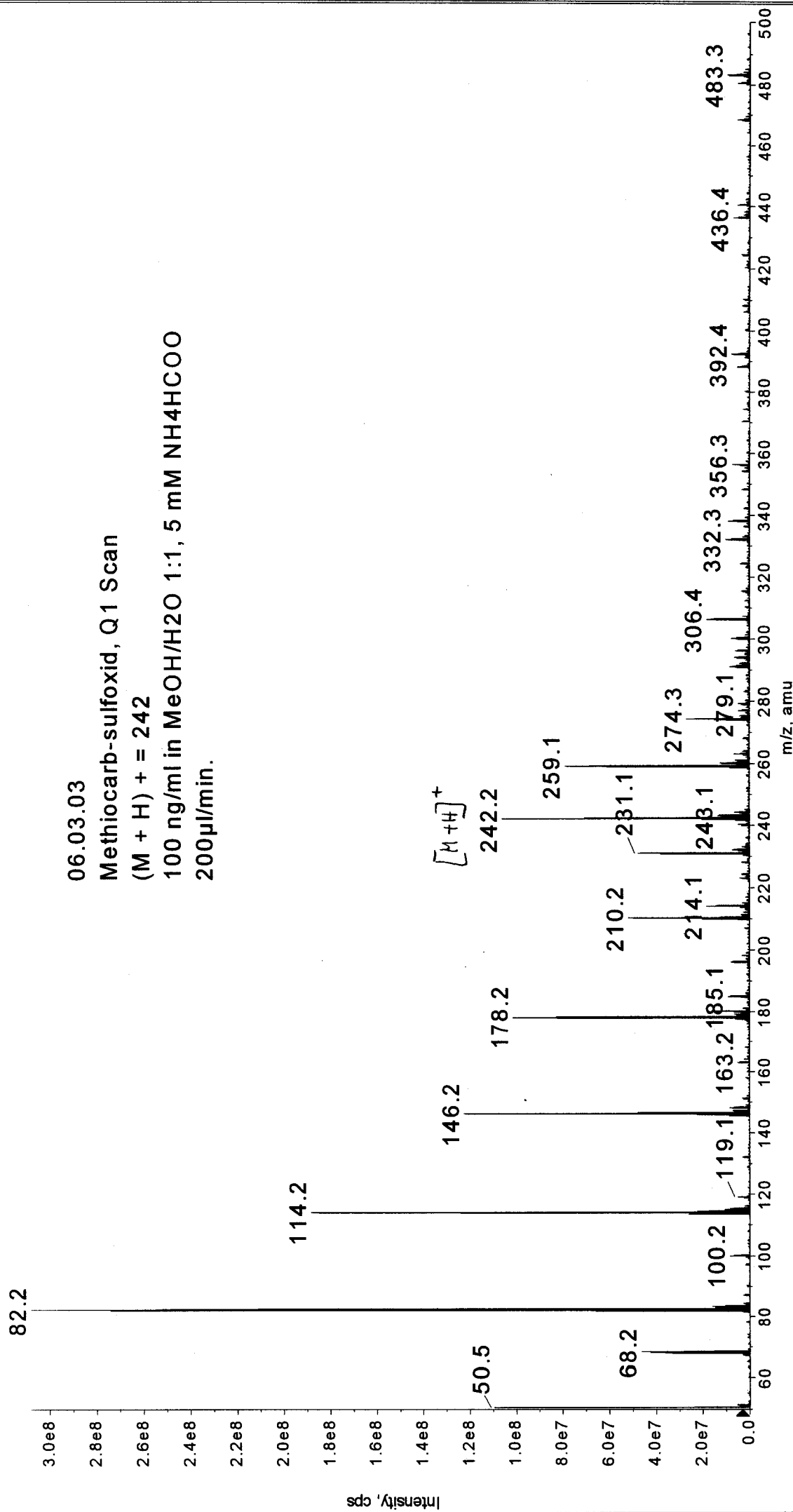
<sup>\*)</sup> For API 3000 and 4000 enhance DP by 20V

### Fragmentation



■ +Q1: 30 MCA scans from MT20030306135704.wiff

Max. 3.1e8 cps.



Printing Date: 06 March 2003  
Printing Time: 14:02:08

Acq. Date: Thursday, March 06, 2003  
Acq. Time: 14:00  
Acq. File: MT20030306140036.wiff

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

■ +Product (242.0): 30 MCA scans from MT20030306140036.wiff

Max. 1.8e7 cps

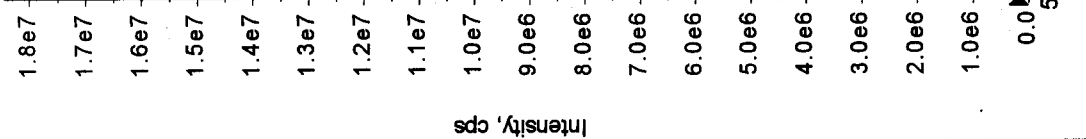
185.0

06.03.03

Methiocarb-sulfoxid, Q3 Scan

(M + H) + = 242 -> 185

100 ng/ml in MeOH/H<sub>2</sub>O 1:1, 5 mM NH<sub>4</sub>HCOO  
200 µl/min.



■ +Product (242.0): 30 MCA scans from MT20030306141218.wiff

Max. 6.5e6 cps.

