

**BfR**

Risiken erkennen – Gesundheit schützen

## MS/MS Parameters of Pesticides

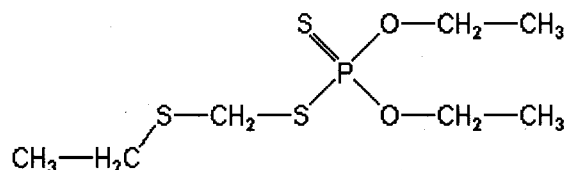
### Analyte: Phorate

CAS No.: 298-02-2

Formula: C<sub>7</sub>H<sub>17</sub>O<sub>2</sub>PS<sub>3</sub>

Molecular mass (lowest isotopes): 260,13 amu

Structure:



Ionisation: ESI +

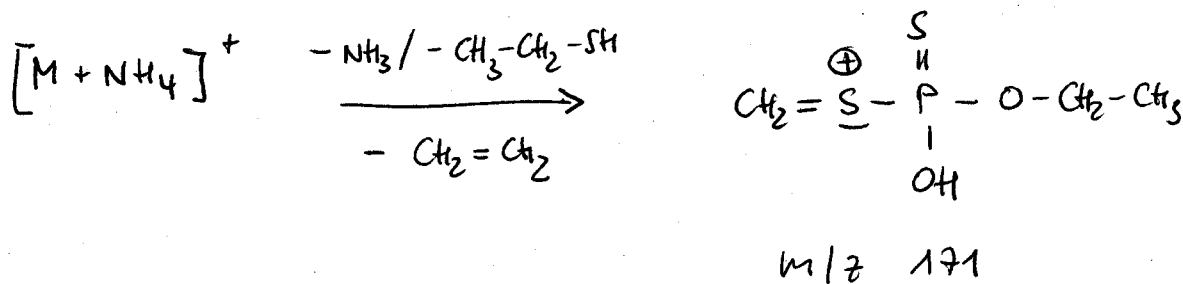
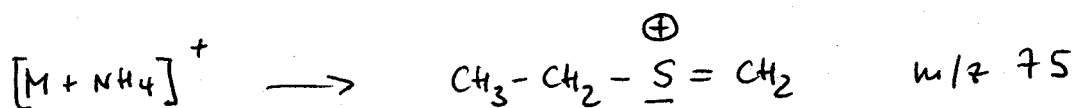
Quasimolecular ion: 278,1 amu = [M+NH<sub>4</sub>]<sup>+</sup>

Analyte sensitive parameter set (API 2000)

Transition	278,1 → 74,9	278,1 → 170,8
Declustering potential (DP) <sup>*)</sup>	1 V	1 V
Focusing potential (FP)	360 V	360 V
Entrance potential (EP)	8,5 V	7,5 V
Collision cell entrance potential (CEP)	16 V	18 V
Collision energy (CE)	23 V	21 V
Collision cell exit potential (CXP)	10 V	10 V

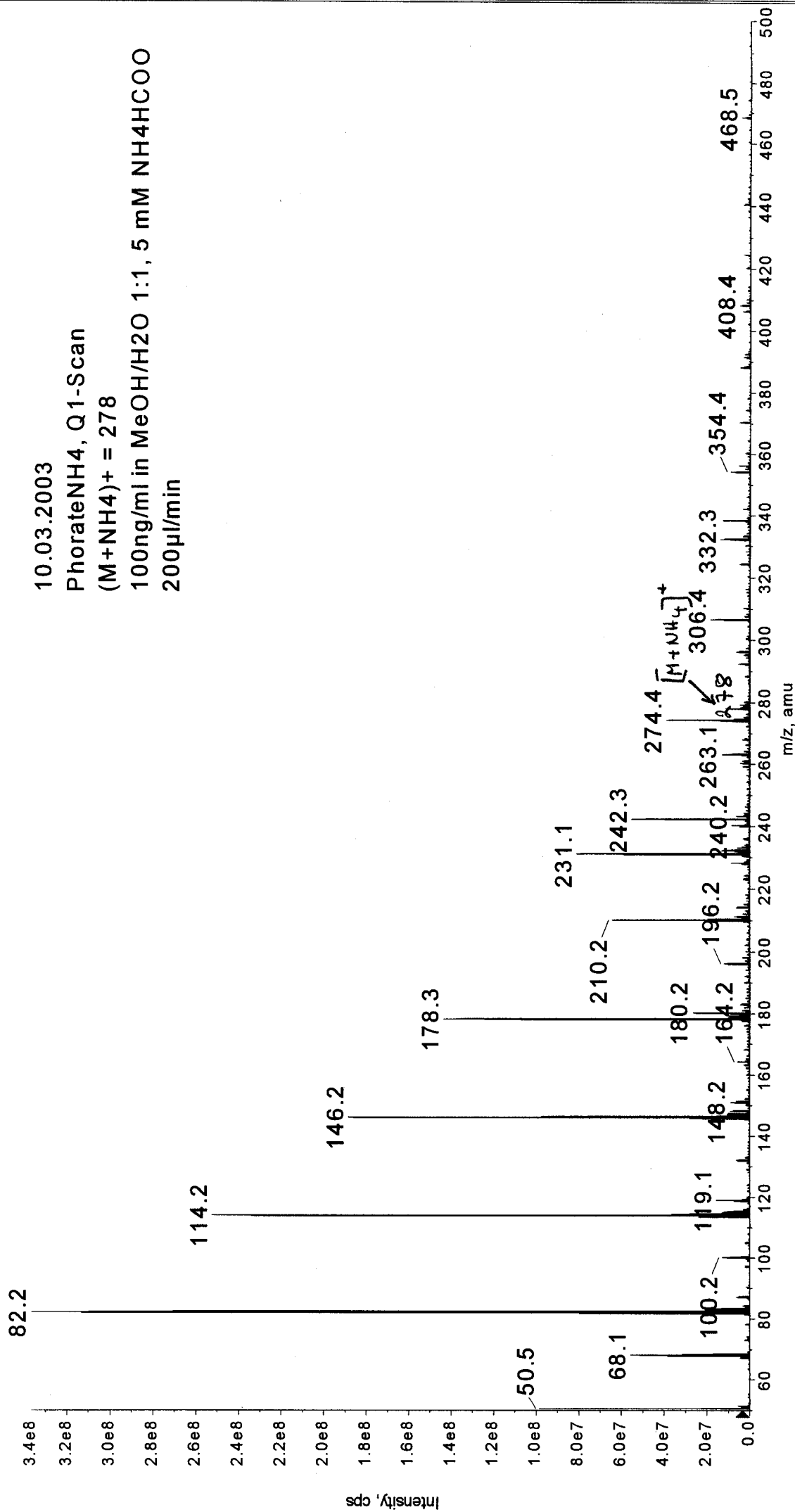
<sup>\*)</sup> For API 3000 and 4000 enhance DP by 20V

### Fragmentation



+Q1: 30 MCA scans from MT20030310084117.wiff

Max. 3.4e8 cps



Printing Date: 10 March 2003  
Printing Time: 08:49:33

Acq. Date: Monday, March 10, 2003  
Acq. Time: 08:48  
Acq. File: MT20030310084813.wiff

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

■ +Product (278.0): 30 MCA scans from MT20030310084813.wiff

Max. 1.5e6 cps.

