

**BfR**

Risiken erkennen – Gesundheit schützen

MS/MS Parameters of Pesticides

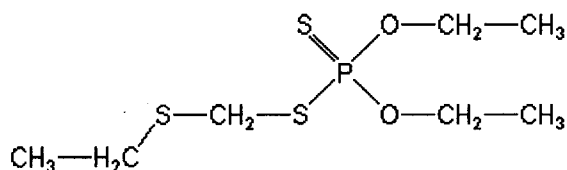
Analyte: Phorate

CAS No.: 298-02-2

Formula: C₇H₁₇O₂PS₃

Molecular mass (lowest isotopes): 260,01 amu

Structure:



Ionisation: ESI +

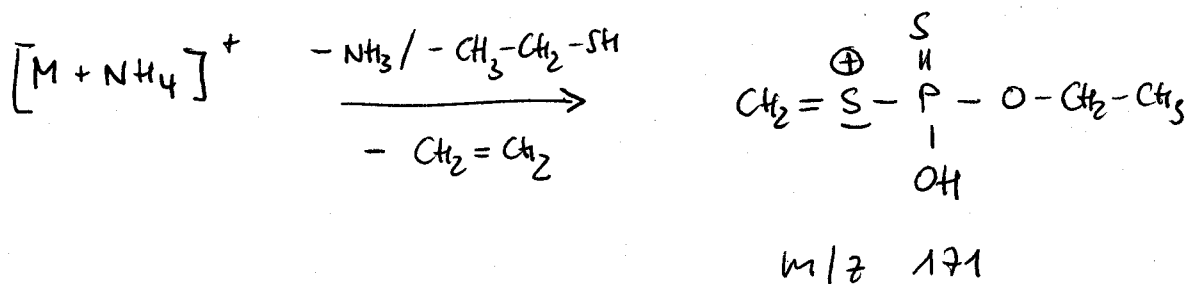
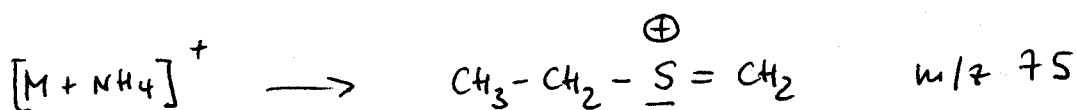
Quasimolecular ion: 278,1 amu = [M+NH₄]⁺

Analyte sensitive parameter set (API 2000)

Transition	278,1 → 74,9	278,1 → 170,8
Declustering potential (DP) ^{*)}	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

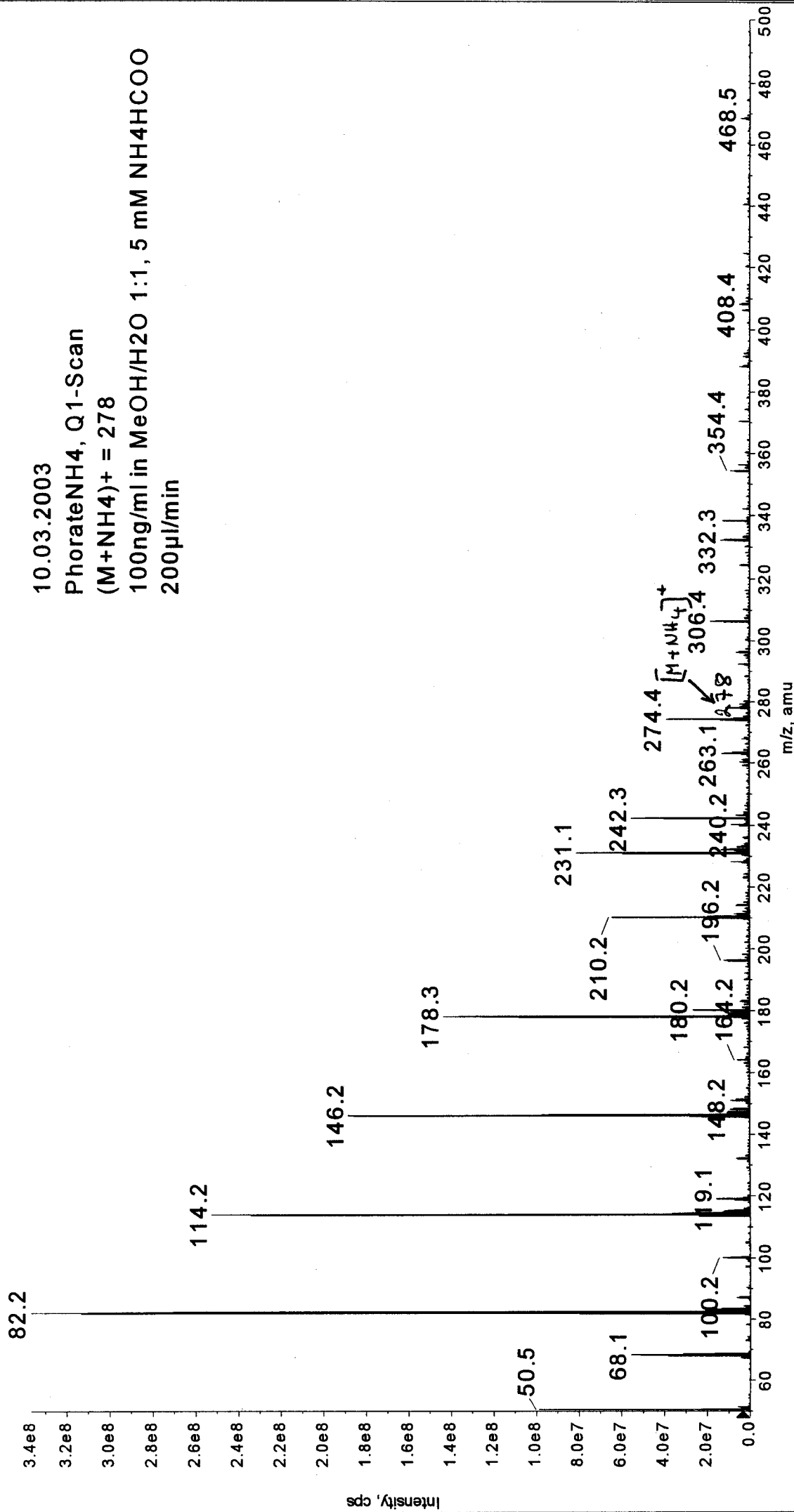
^{*)} For API 3000 and 4000 enhance DP by 20V

Fragmentation



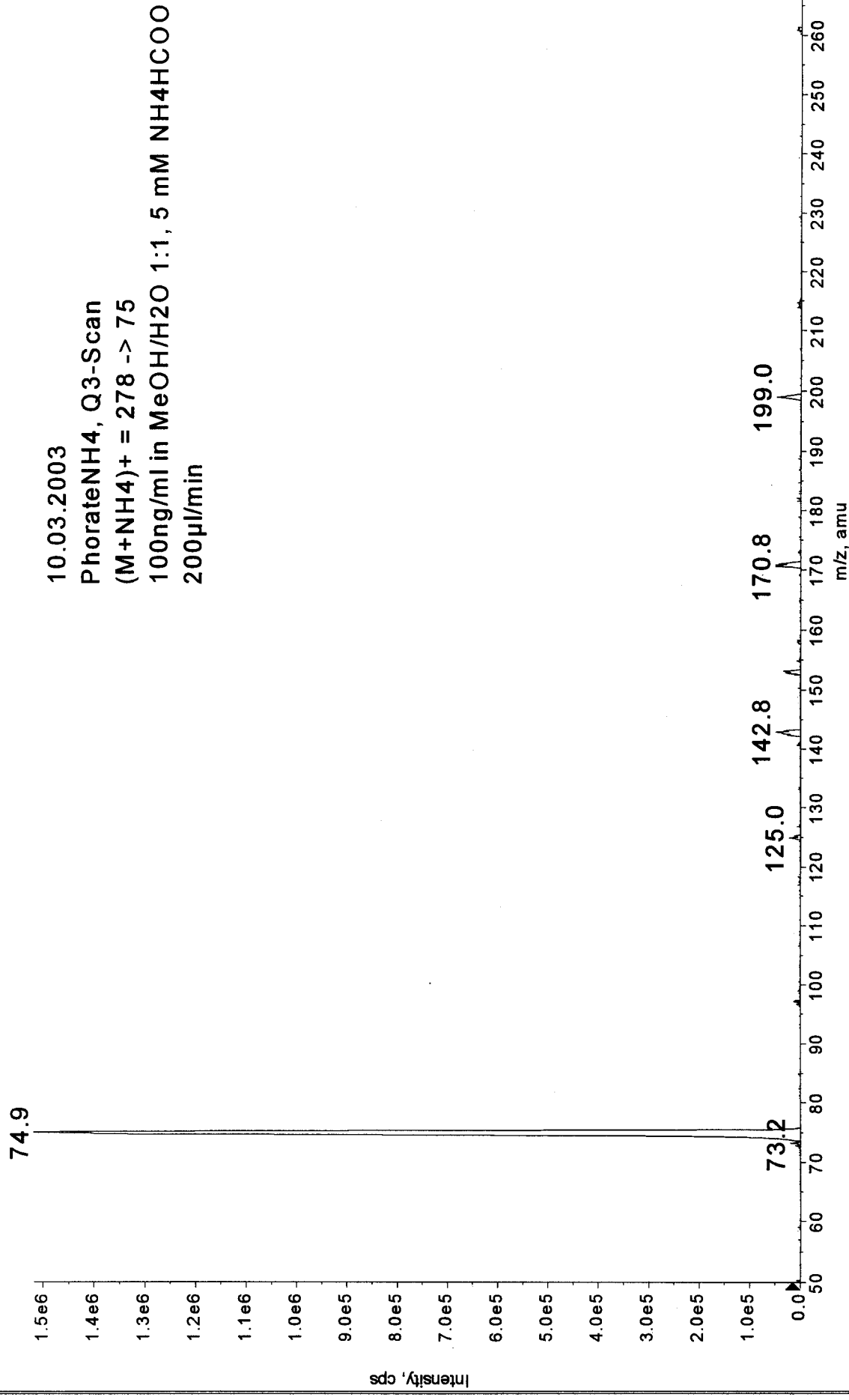
+Q1: 30 MCA scans from MT20030310084117.wiff

Max. 3.4e8 cps



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

Max. 1.5e6 cps.



Acq. Date: Monday, March 10, 2003
Acq. Time: 08:09
Acq. File: MT20030310080931.wiff

+Product (261.0): 30 MCA scans from MT20030310080931.wiff

Max. 1.1e6 cps.

