

**BfR**

Risiken erkennen – Gesundheit schützen

## MS/MS Parameters of Pesticides

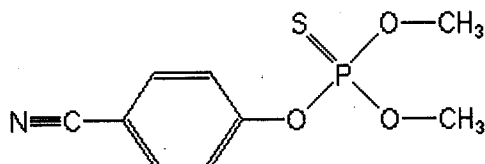
### Analyte: Cyanophos

CAS No.: 2636-26-2

Formula: C<sub>9</sub>H<sub>10</sub>NO<sub>3</sub>PS

Molecular mass (lowest isotopes): 243,01 amu

Structure:



Ionisation: ESI +

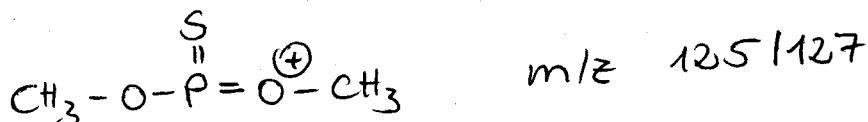
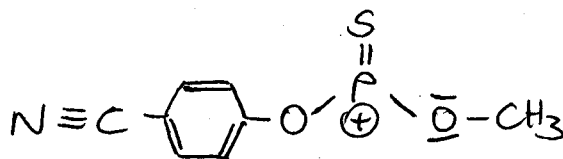
Quasimolecular ion: 261,0 amu = [M+NH<sub>4</sub>]<sup>+</sup>

Analyte sensitive parameter set (API 2000)

Transition	261,0 → 125,0	261,0 → 212,0
Declustering potential (DP)*)	4V	4 V
Focusing potential (FP)	370 V	370 V
Entrance potential (EP)	10,0 V	10,5 V
Collision cell entrance potential (CEP)	18 V	16 V
Collision energy (CE)	27 V	27 V
Collision cell exit potential (CXP)	6 V	10 V

\*) For API 3000 and 4000 enhance DP by 20V

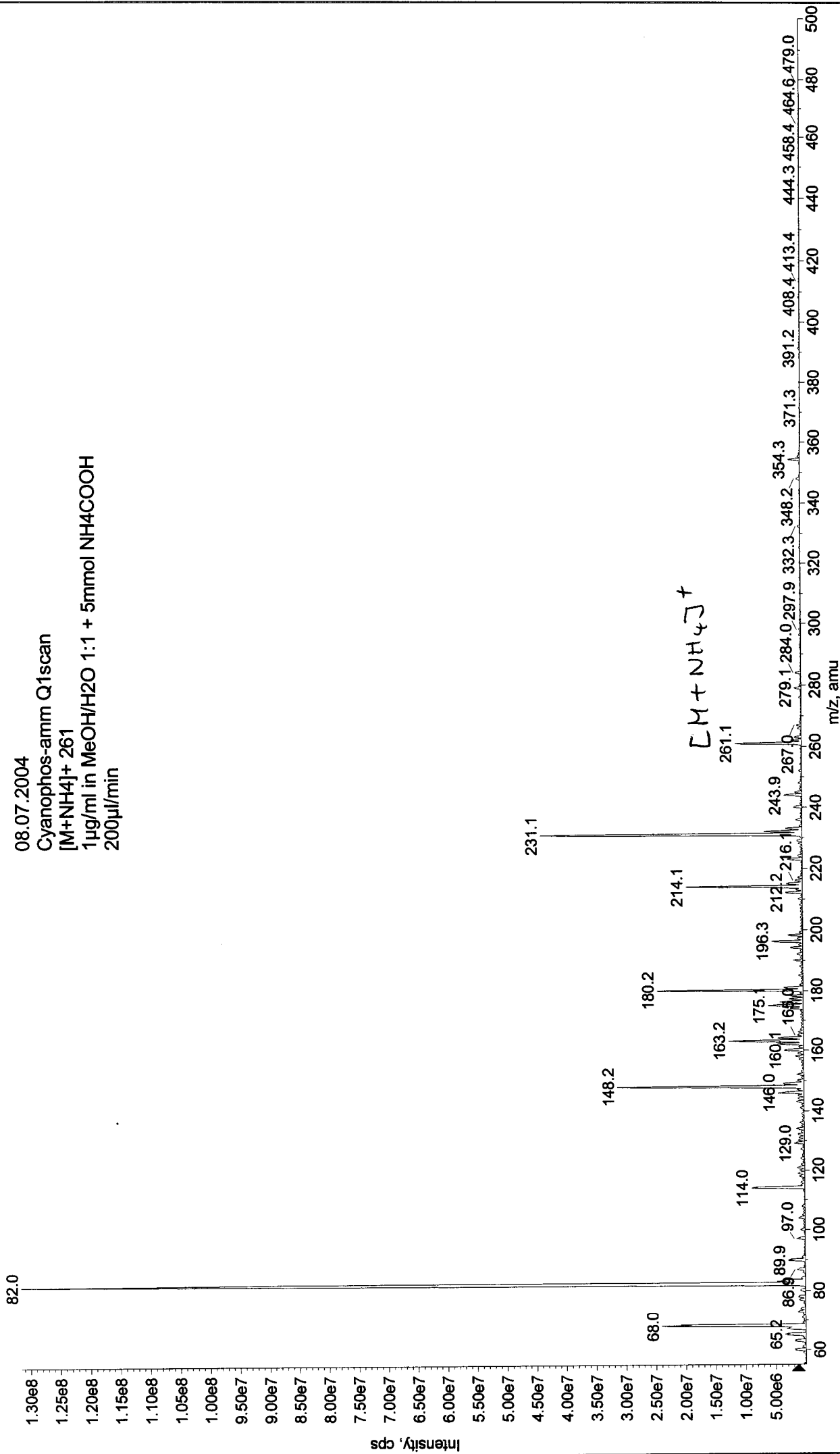
### Fragmentation

 $m/z$  125/127 $m/z$  212

Max. 1.3e8 cps.

■ +Q1: 30 MCA scans from Sample 1 (TuneSampleID) of MT20040708120331.wiff (Turbo Spray)

08.07.2004  
Cyanophos-amm Q1scan  
[M+NH4]<sup>+</sup> 261  
1µg/ml in MeOH/H2O 1:1 + 5mmol NH4COOH  
200µl/min



Max. 4.3e5 cps

+MS2 (261.00): 30 MCA scans from Sample 1 (TuneSampleID) of MT20040708120618.wiff (Turbo Spray)

