

**BfR**

Risiken erkennen – Gesundheit schützen

MS/MS Parameters of Pesticides

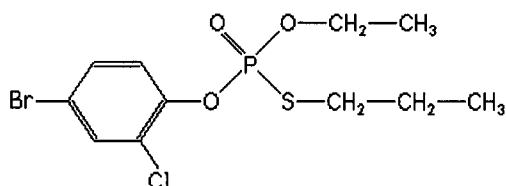
Analyte: Profenofos

CAS No.: 41198-08-7

Formula: C₁₁H₁₅BrClO₃PS

Molecular mass (lowest isotopes): 371,94 amu

Structure:



Ionisation: ESI +

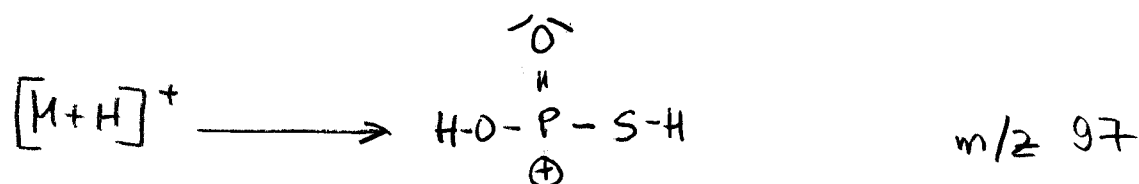
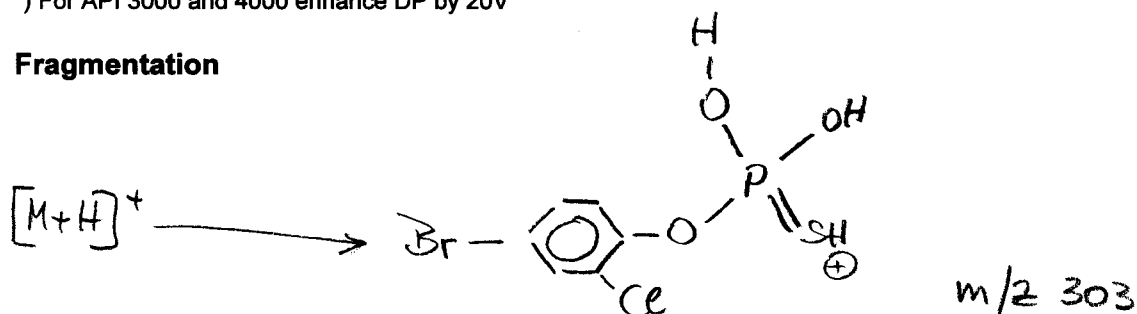
Quasimolecular ion: 372,9 amu = [M+H]⁺

Analyte sensitive parameter set (API 2000)

Transition	372,9 → 302,9	372,9 → 97,0
Declustering potential (DP) ^{*)}	46 V	46 V
Focusing potential (FP)	370 V	340 V
Entrance potential (EP)	10,0 V	10,5 V
Collision cell entrance potential (CEP)	22 V	28 V
Collision energy (CE)	25 V	43 V
Collision cell exit potential (CXP)	18 V	16 V

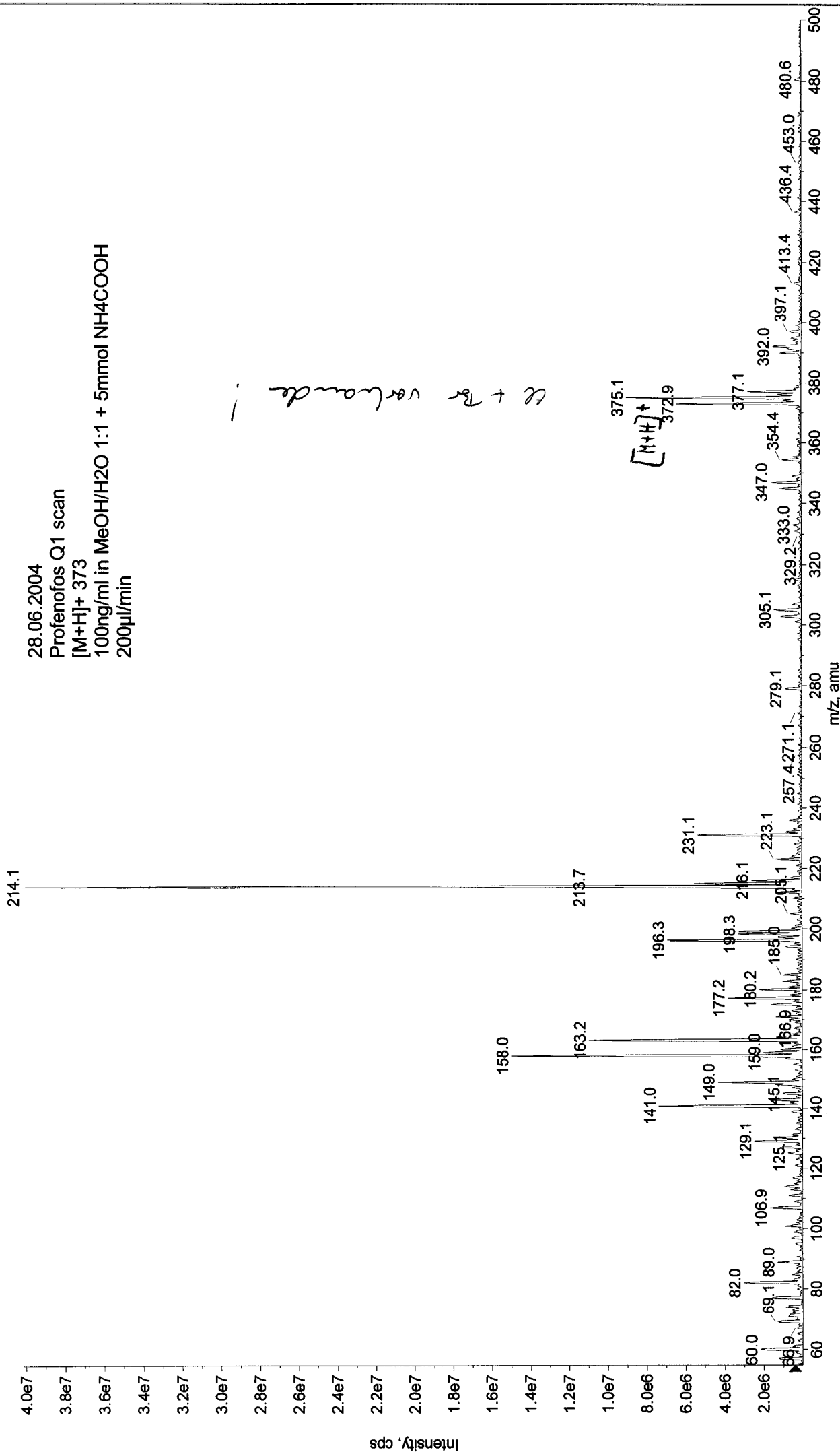
^{*)} For API 3000 and 4000 enhance DP by 20V

Fragmentation



Max. 4.0e7 cps

+Q1: 30 MCA scans from Sample 1 (TuneSampleID) of MT20040628142103.wiff (Turbo Spray)



Max. 5.8e5 cps

+MS2 (373.00): 30 MCA scans from Sample 1 (TuneSampleID) of MT20040628142355.wiff (Turbo Spray)

