

**BfR**

Risiken erkennen – Gesundheit schützen

MS/MS Parameters of Pesticides

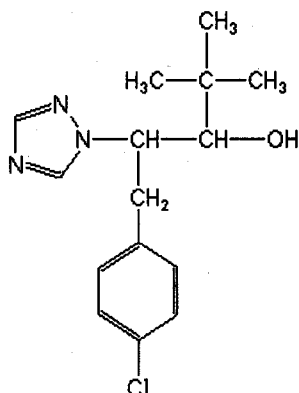
Analyte: Paclobutrazol

CAS No.: 76738-62-0

Formula: C₁₅H₂₀ClN₃O

Molecular mass (lowest isotopes): 293,13 amu

Structure:



Ionisation: ESI +

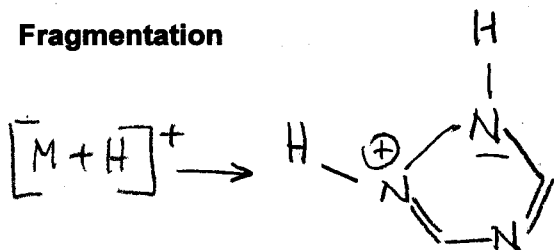
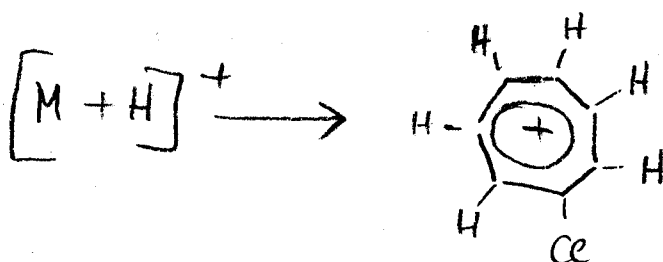
Quasimolecular ion: 294,1 amu = [M+H]⁺

Analyte sensitive parameter set (API 2000)

Transition	294,1 → 70,1	294,1 → 125,2
Declustering potential (DP) ^{*)}	29 V	29 V
Focusing potential (FP)	370 V	370 V
Entrance potential (EP)	12,0 V	12,0 V
Collision cell entrance potential (CEP)	18 V	20 V
Collision energy (CE)	39 V	49 V
Collision cell exit potential (CXP)	10 V	6 V

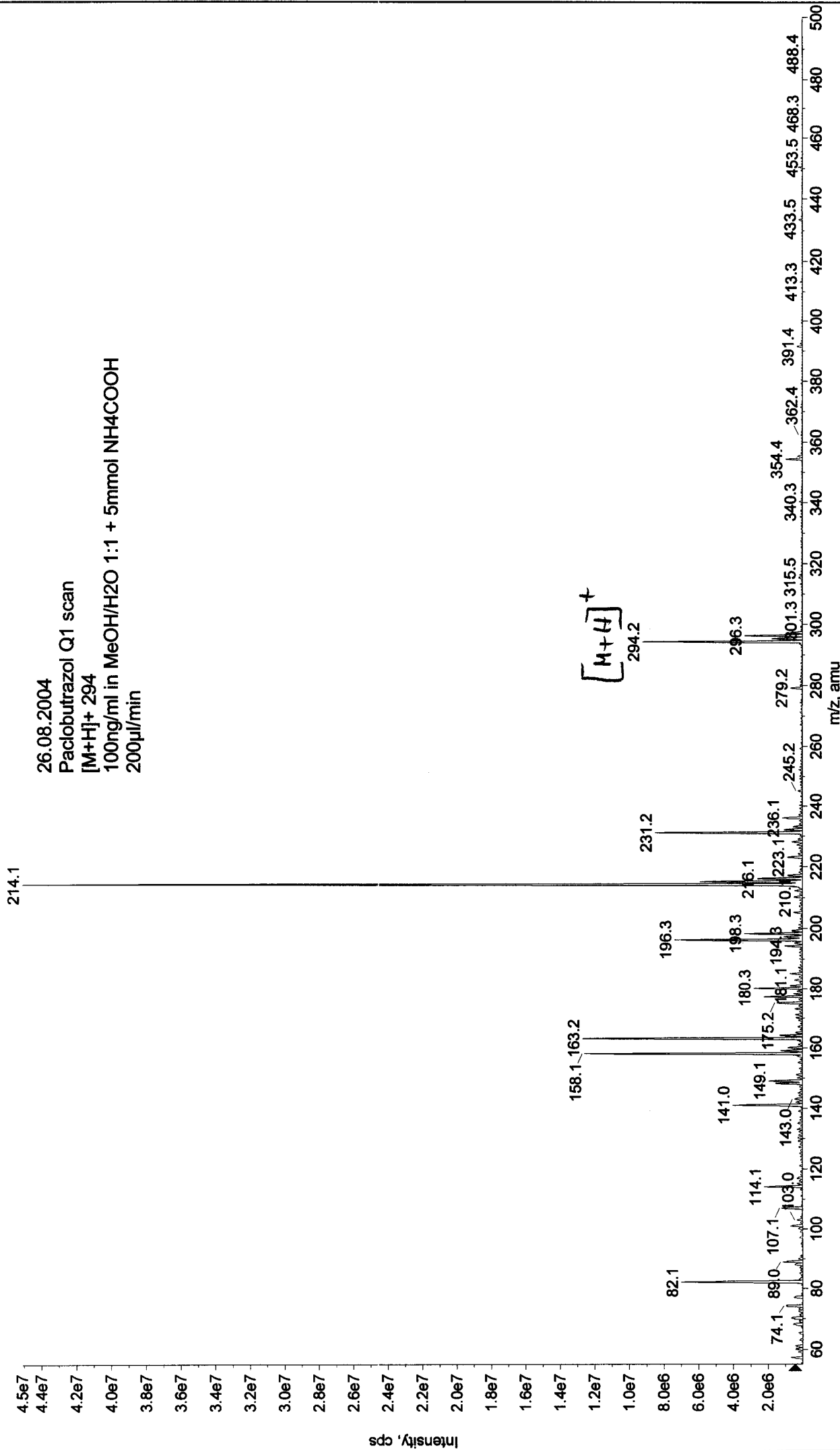
^{*)} For API 3000 and 4000 enhance DP by 20V

Fragmentation

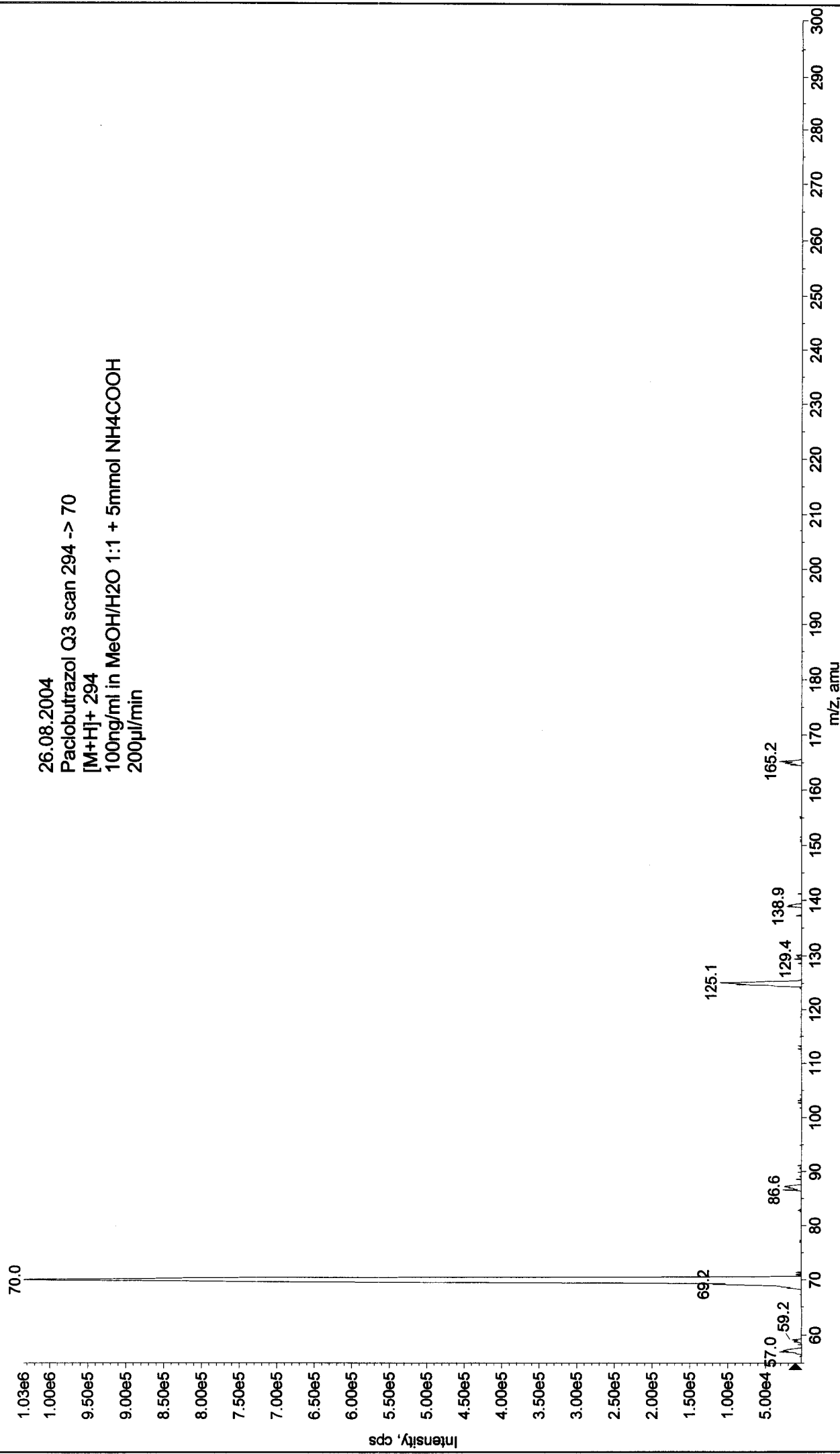
 m/z 70 m/z 125

Max. 4.5e7 cps

+Q1: 30 MCA scans from Sample 1 (TuneSampleID) of MT20040826084120.wiff (Turbo Spray)



+MS2 (294.00): 30 MCA scans from Sample 1 (TuneSampleID) of MT20040826084349.wiff (Turbo Spray) Max. 1.0e6 cps



■ +MS2 (296.00): 30 MCA scans from Sample 1 (TuneSampleID) of MT20040826084506.wiff (Turbo Spray) Max. 4.8e5 cps

