

**BfR**

Risiken erkennen – Gesundheit schützen

MS/MS Parameters of Pesticides

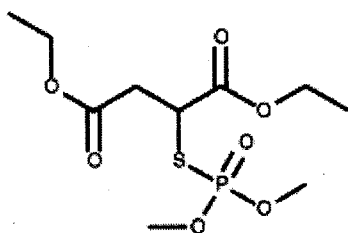
Analyte: Malaoxon

CAS No.: 1634-78-2

Formula: C₁₀H₁₉O₇PS

Molecular mass (lowest isotopes): 314,06 amu

Structure:



Ionisation: ESI +

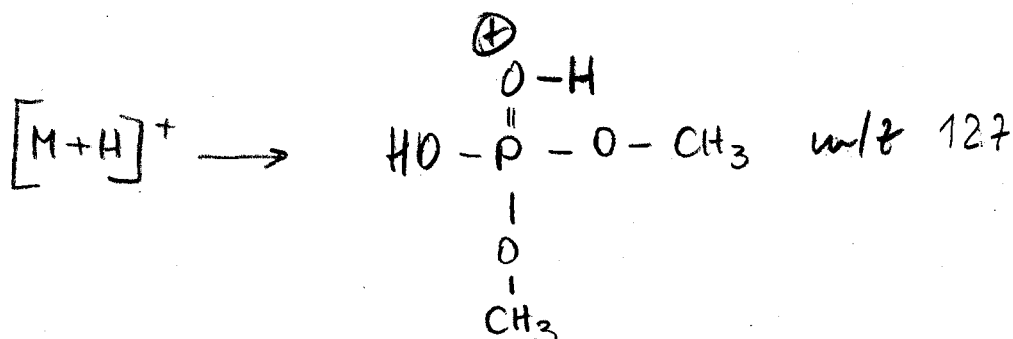
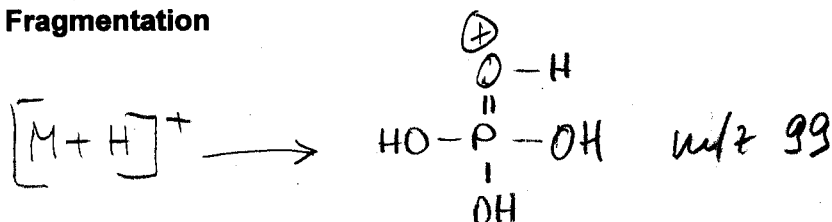
Quasimolecular ion: 315,0 amu = [M+H]⁺

Analyte sensitive parameter set (API 2000)

Transition	315,0 → 127,1	315,0 → 99,2
Declustering potential (DP) ^{*)}	31 V	31 V
Focusing potential (FP)	360 V	370 V
Entrance potential (EP)	10,5 V	10,5 V
Collision cell entrance potential (CEP)	20 V	20 V
Collision energy (CE)	17 V	31 V
Collision cell exit potential (CXP)	6 V	4 V

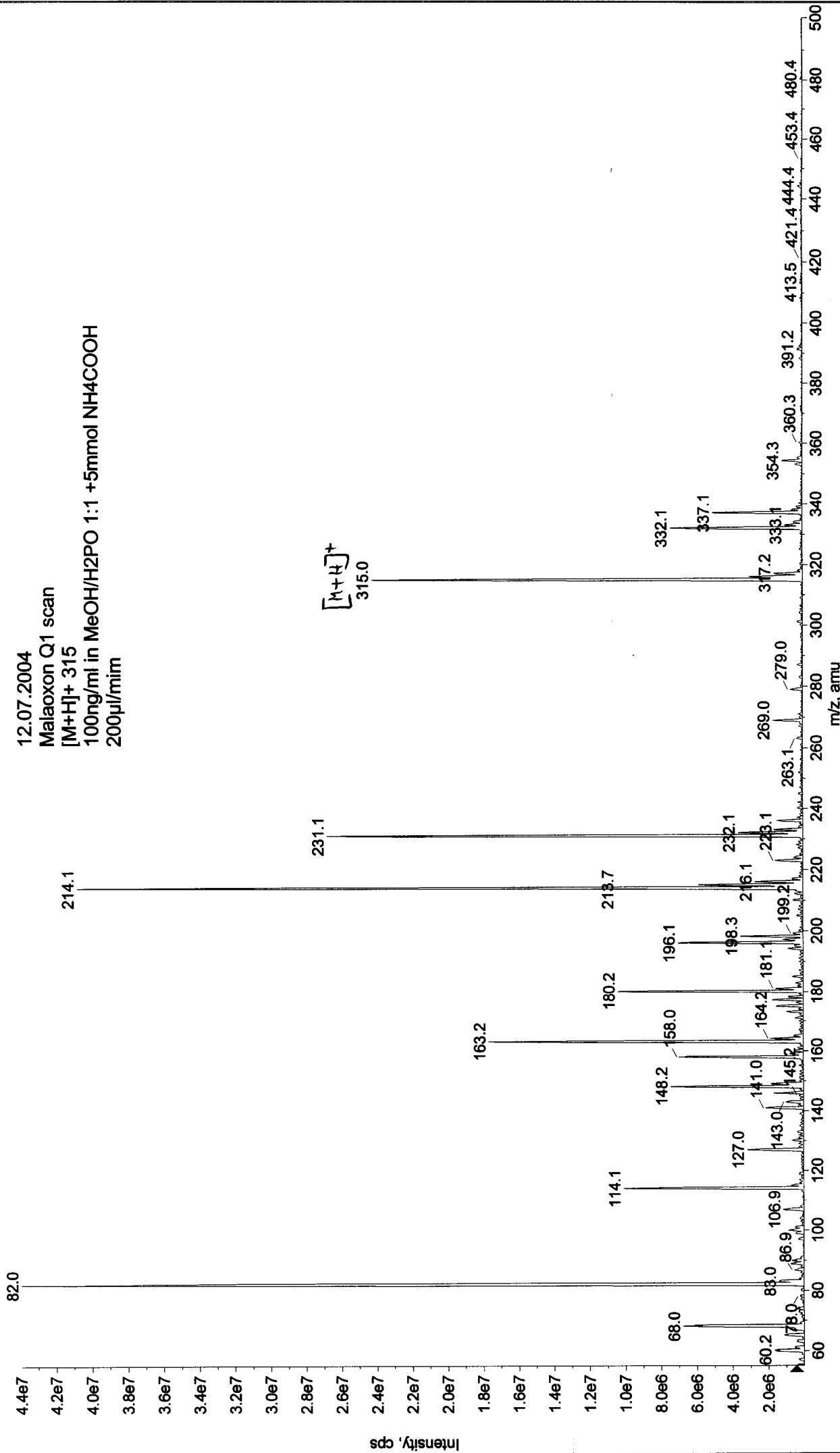
^{*)} For API 3000 and 4000 enhance DP by 20V

Fragmentation



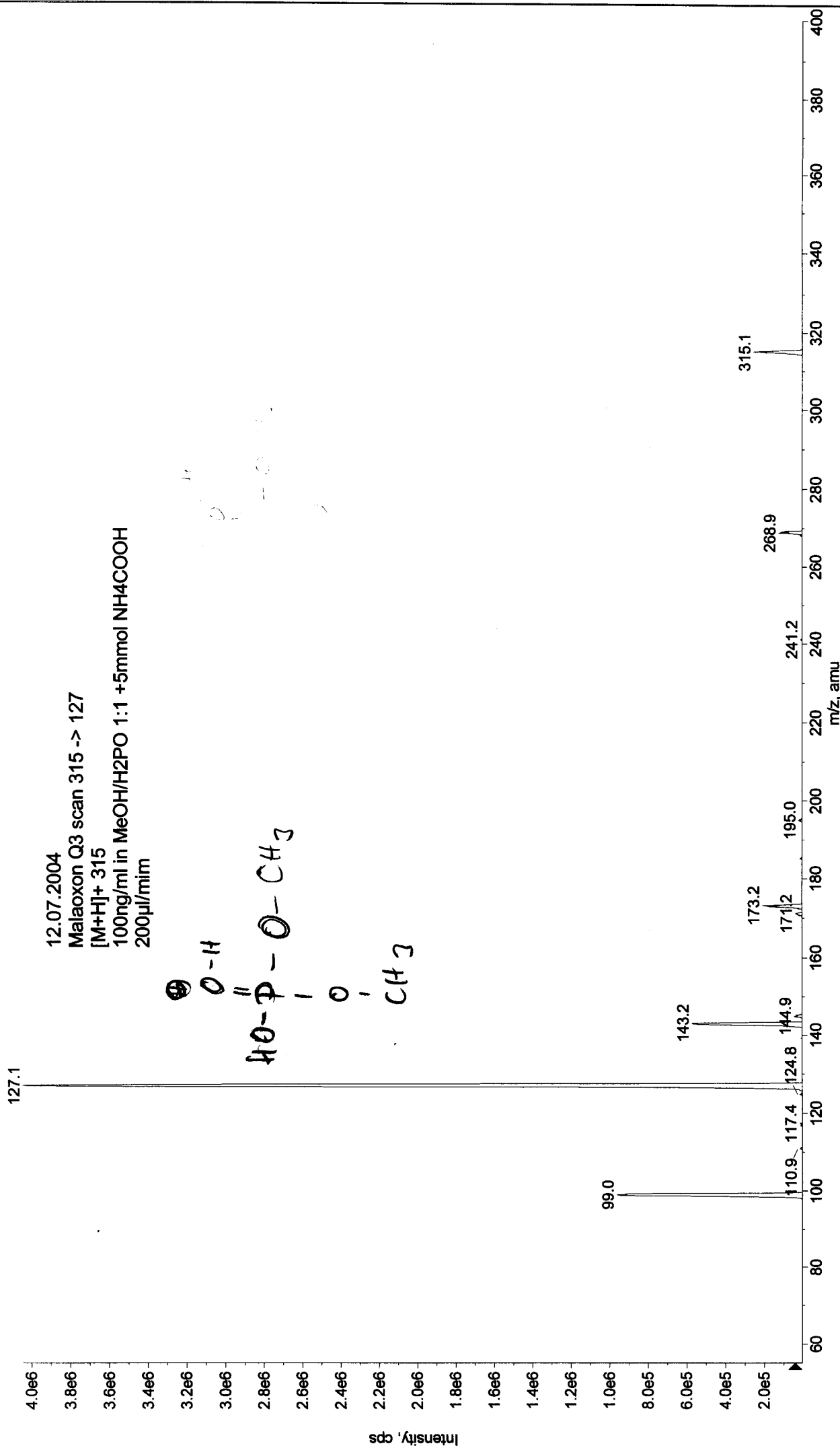
+Q1: 30 MCA scans from Sample 1 (TuneSampleID) of MT20040712140046.wiff (Turbo Spray)

Max 4.4e7 cps



Max. 4.0e6 cps

+MS2 (315.00): 30 MCA scans from Sample 1 (TuneSampleID) of MT20040712140253.wiff (Turbo Spray)



■ +MS2 (317.00): 30 MCA scans from Sample 1 (TuneSampleID) of MT20040712142209.wiff (Turbo Spray) Max. 2.1e5 cps

