

**BfR**

Risiken erkennen – Gesundheit schützen

MS/MS Parameters of Pesticides

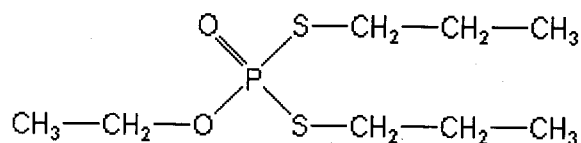
Analyte: Ethoprophos

CAS No.: 13194-48-4

Formula: C₈H₁₉O₂PS₂

Molecular mass (lowest isotopes): 242,06 amu

Structure:



Ionisation: ESI +

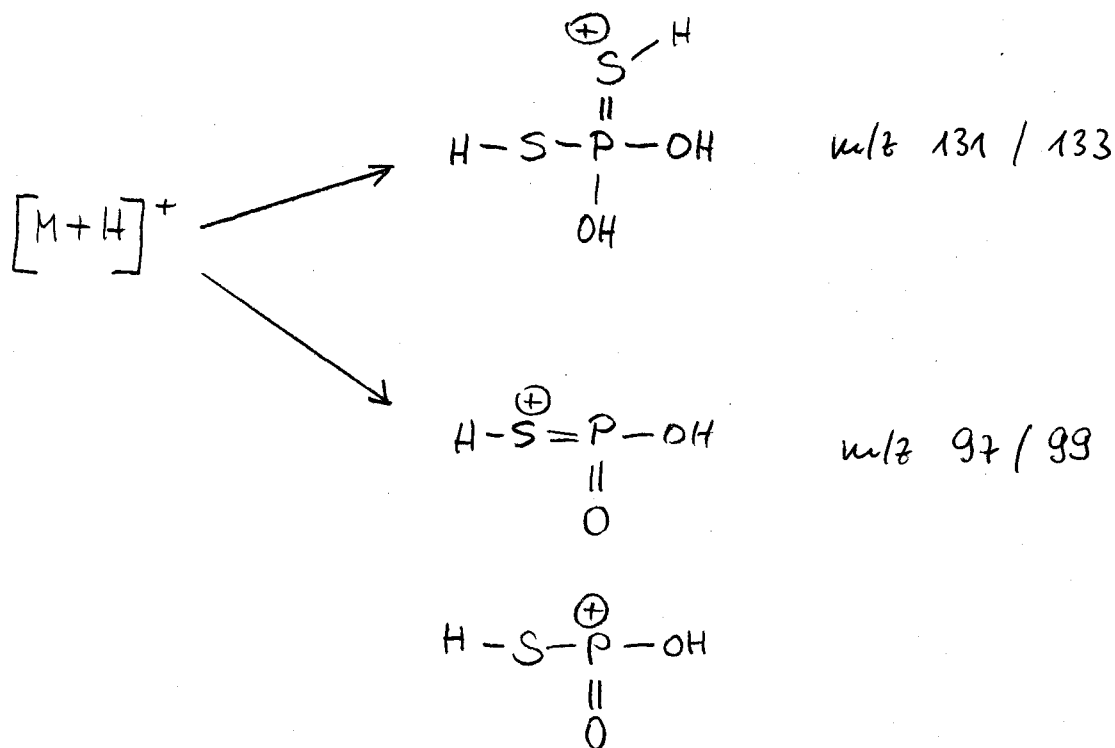
Quasimolecular ion: 243,0 amu = [M+H]⁺

Analyte sensitive parameter set (API 2000)

Transition	243,0 → 131,0	243,0 → 97,0
Declustering potential (DP) ^{*)}	26 V	26 V
Focusing potential (FP)	360 V	310 V
Entrance potential (EP)	10,0 V	10,0 V
Collision cell entrance potential (CEP)	16 V	14 V
Collision energy (CE)	29 V	41 V
Collision cell exit potential (CXP)	6 V	9 V

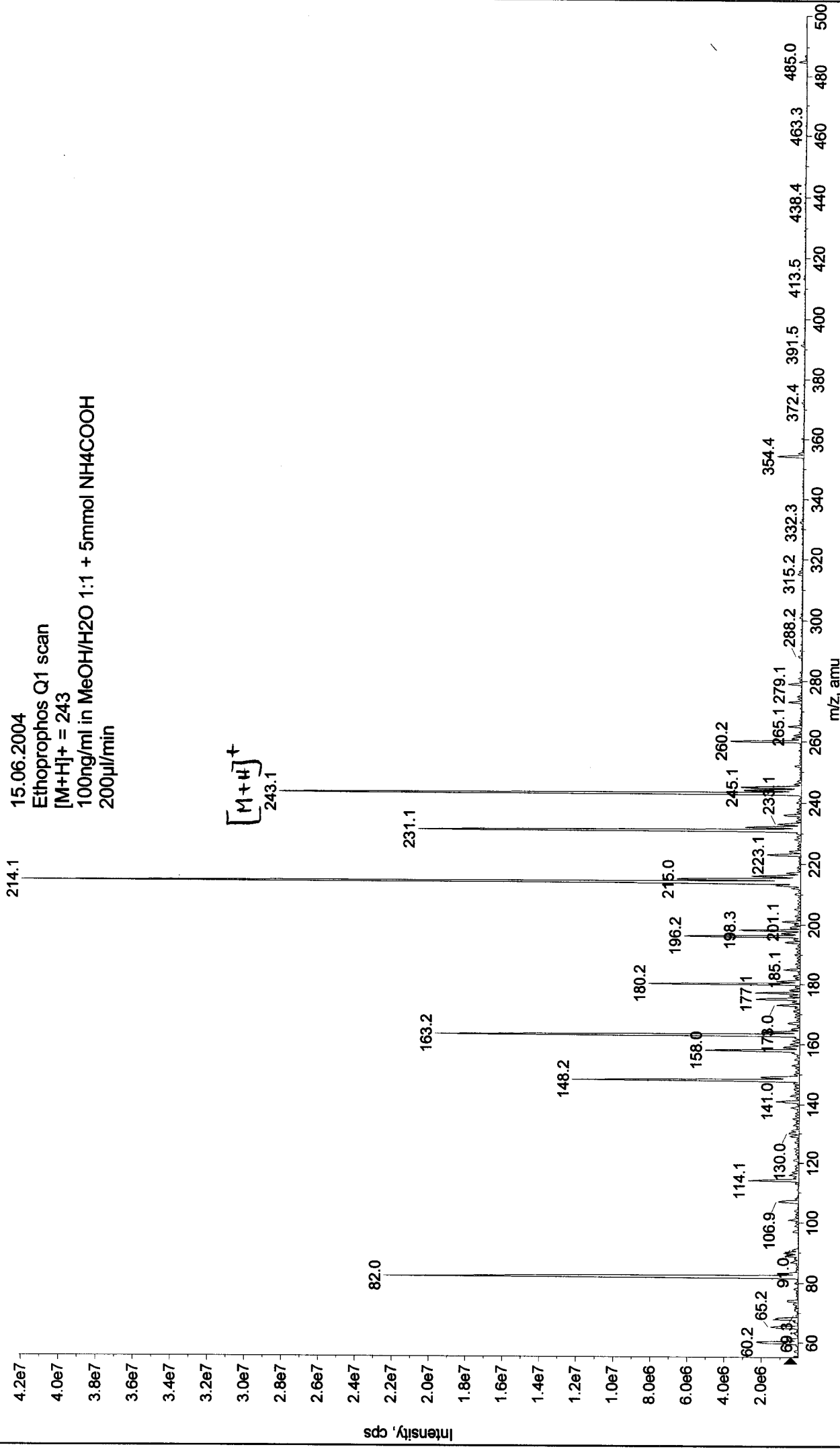
^{*)} For API 3000 and 4000 enhance DP by 20V

Fragmentation

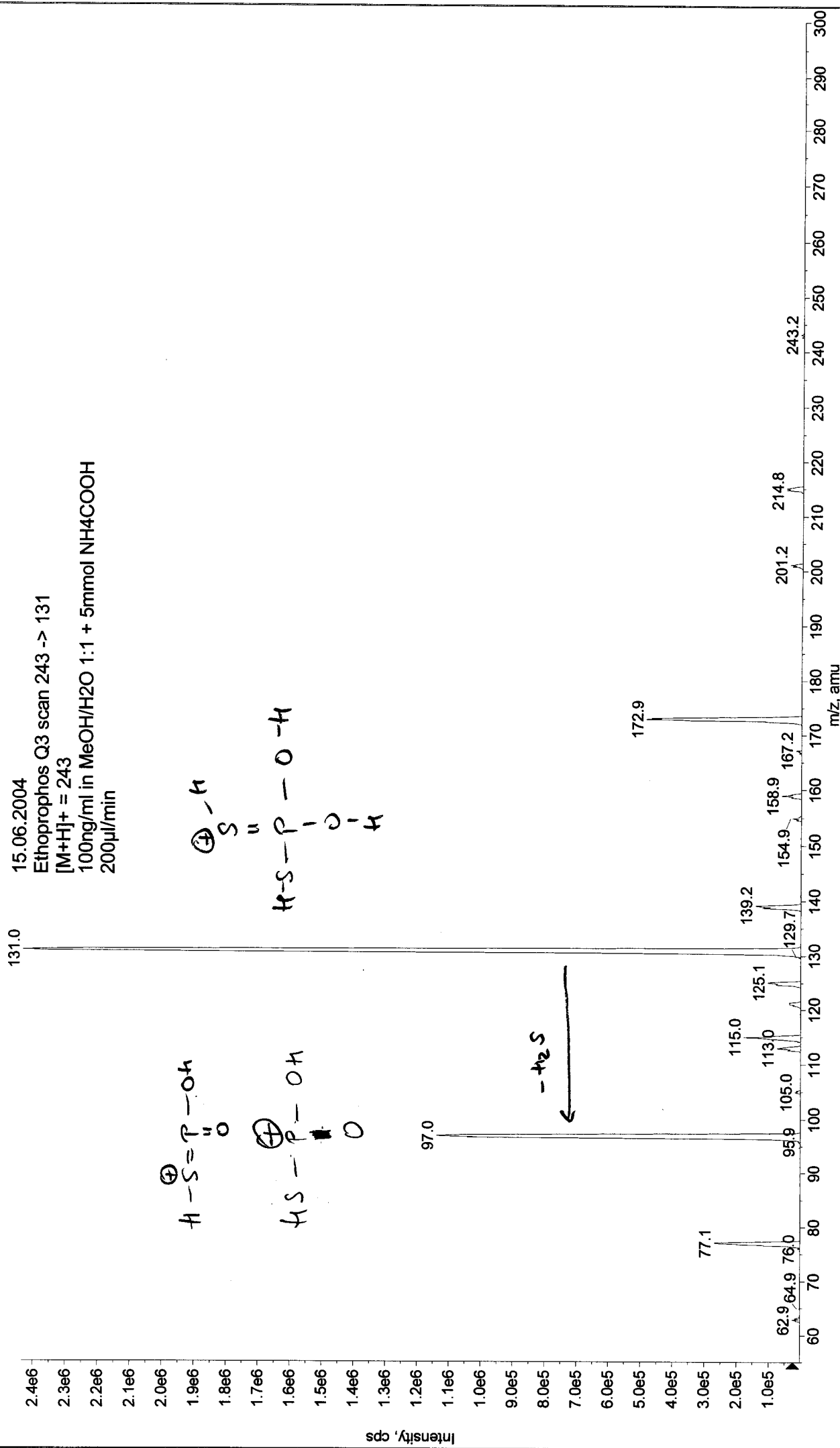


+Q1: 30 MCA scans from Sample 1 (TuneSampleID) of MT20040615131148.wiff (Turbo Spray)

Max. 4.2e7 cps

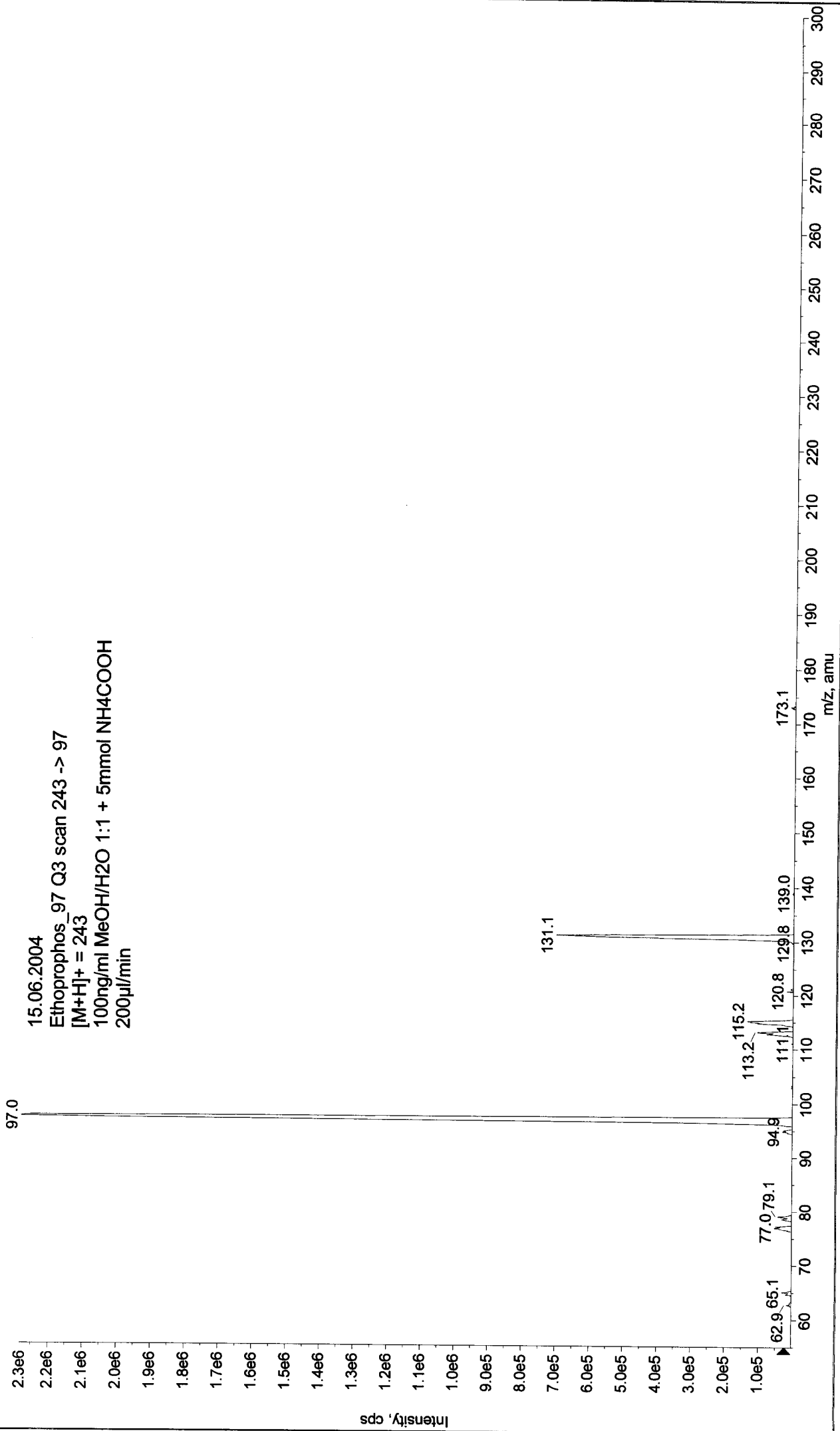


+MS2 (243.00): 30 MCA scans from Sample 1 (TuneSampleID) of MT20040615131419.wiff (Turbo Spray) Max. 2.4e6 cps

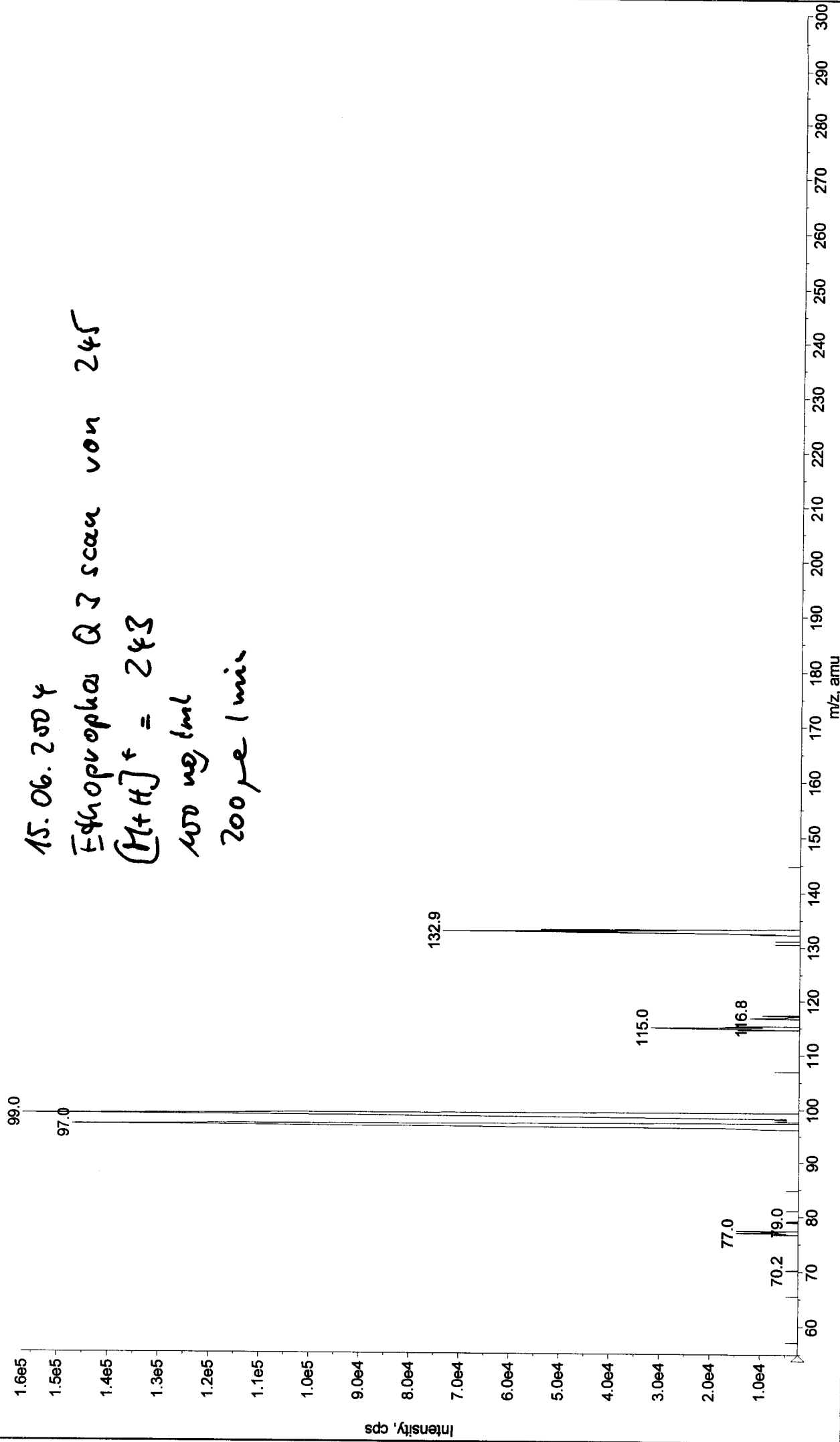


Max. 2.3e6 cps

■ +MS2 (243.00): 30 MCA scans from Sample 1 (TuneSampleID) of MT20040615133223.wiff (Turbo Spray)



+MS2 (245.00): 33 MCA scans from Sample 1 (TuneSampleID) of MT20040615120346.wiff (Turbo Spray) Max. 1.6e5 cps



15.06.2004
Ektoprophos Q3 scan von 245
(H+H)⁺ = 243
100 ng/ml
200 µl/min