

**BfR**

Risiken erkennen – Gesundheit schützen

MS/MS Parameters of Pesticides

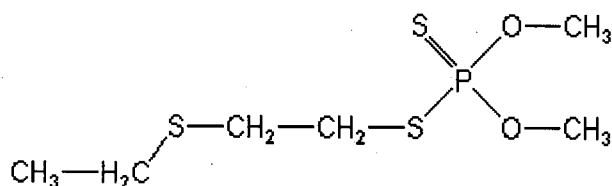
Analyte: Thiometon

CAS No.: 640-15-3

Formula: C₆H₁₅O₂PS₃

Molecular mass (lowest isotopes): 246,00 amu

Structure:



Ionisation: ESI +

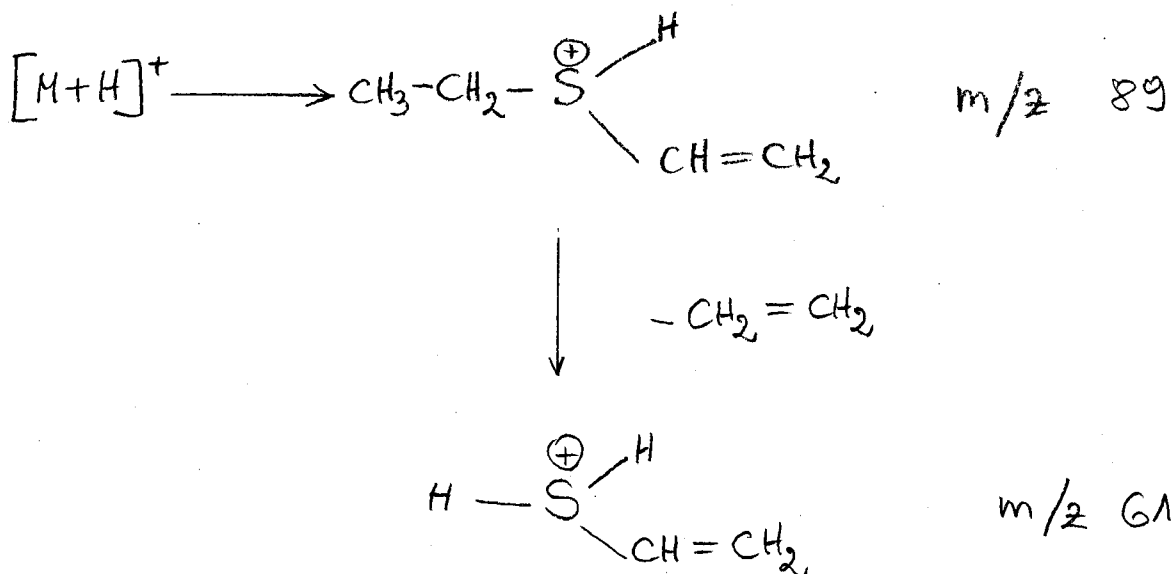
Quasimolecular ion: 246,9 amu = [M+H]⁺

Analyte sensitive parameter set (API 2000)

Transition	246,9 → 89,1	246,9 → 61,1
Declustering potential (DP) ^{*)}	26V	26 V
Focusing potential (FP)	350 V	370 V
Entrance potential (EP)	10,0 V	10,0 V
Collision cell entrance potential (CEP)	16 V	14 V
Collision energy (CE)	17 V	49 V
Collision cell exit potential (CXP)	4 V	8 V

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

Fragmentation

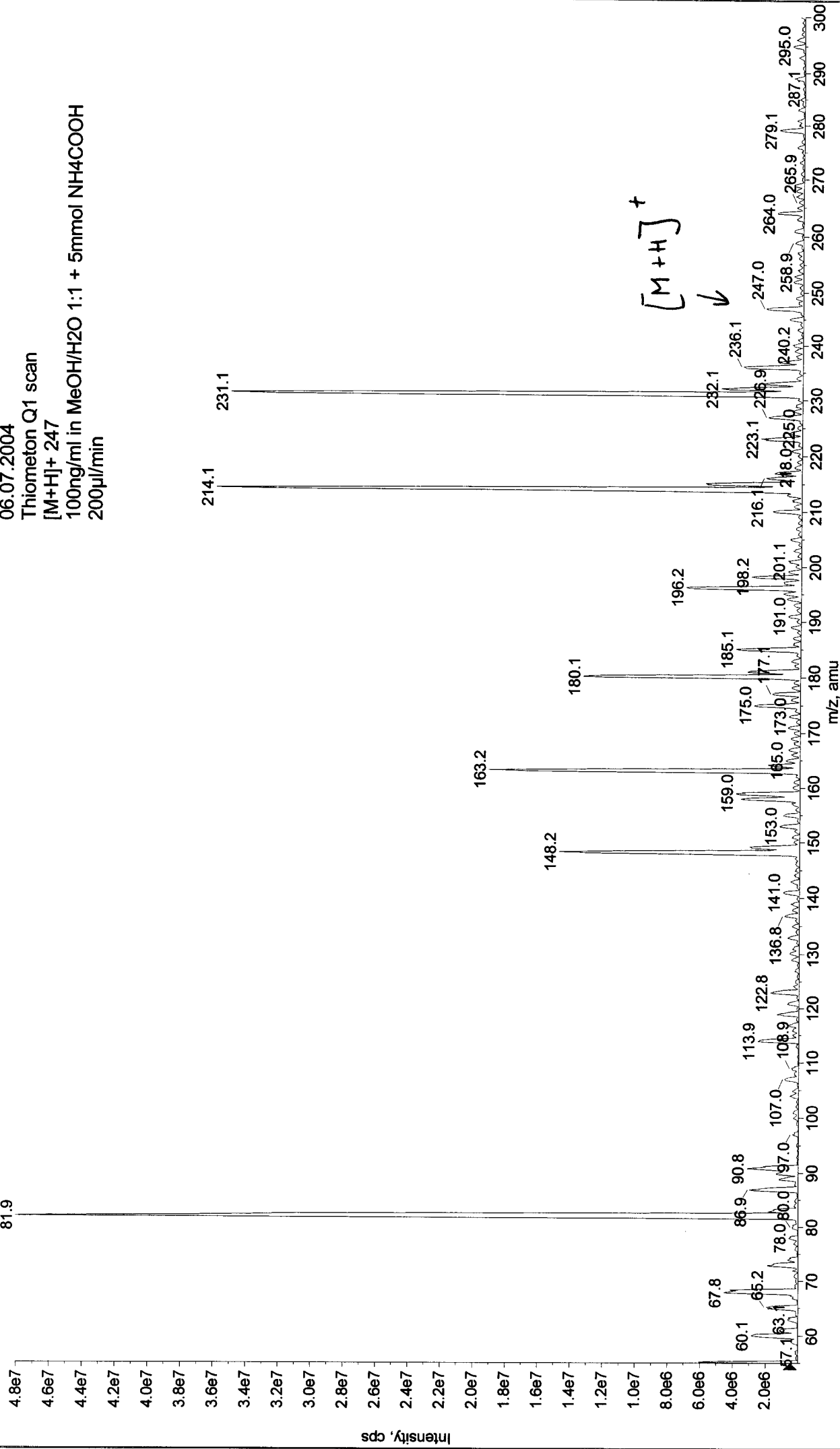


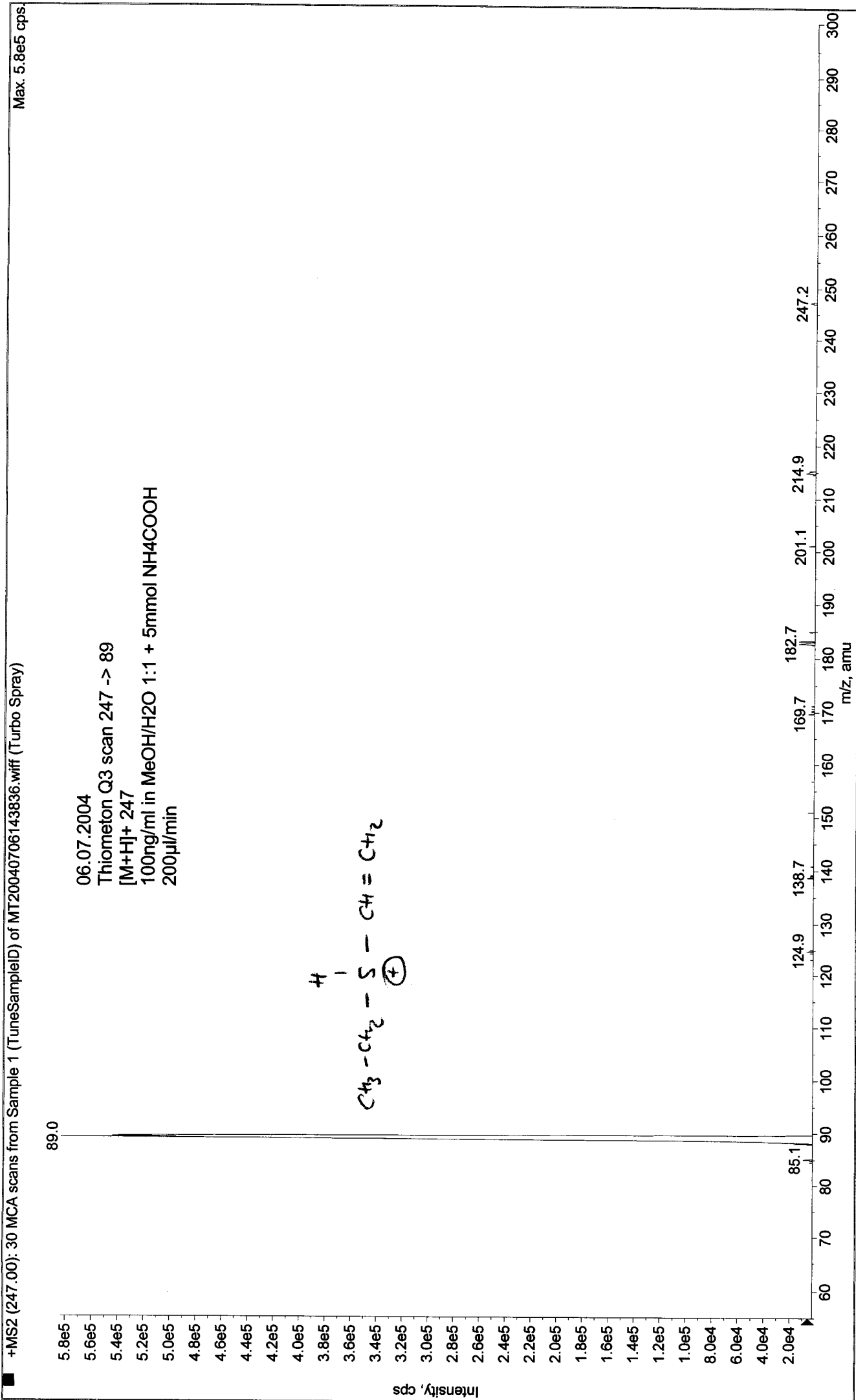
+Q1: 30 MCA scans from Sample 1 (TuneSampleID) of MT20040706143609.wiff (Turbo Spray)

Max. 4.8e7 cps

81.9

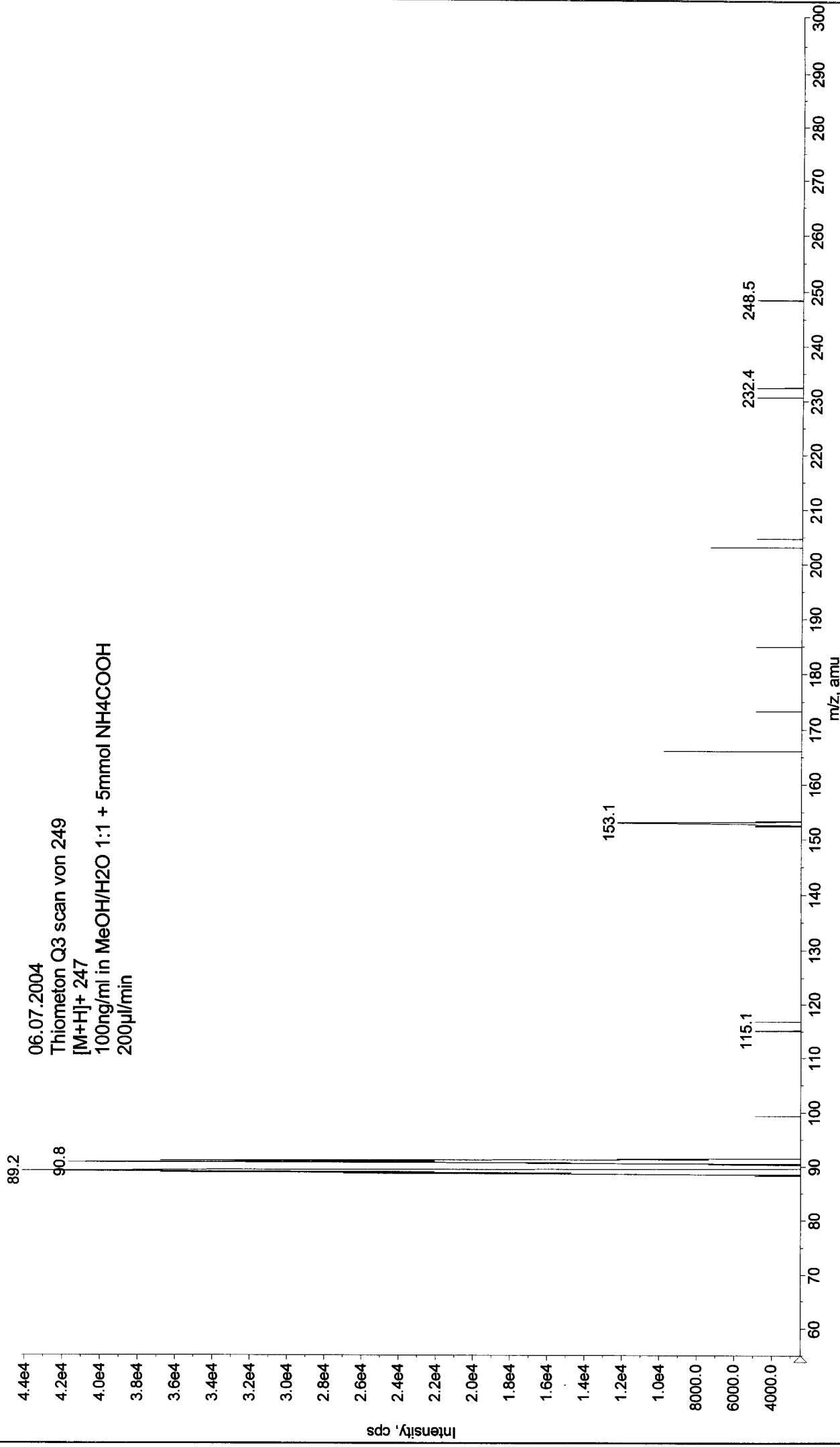
06.07.2004
Thiometon Q1 scan
[M+H]⁺ 247
100ng/ml in MeOH/H₂O 1:1 + 5mmol NH₄COOH
200µl/min





Max. 4.4e4 cps

+MS2 (249.00): 30 MCA scans from Sample 1 (TuneSampleID) of MT20040706143954.wiff (Turbo Spray)



+MS2 (247.00): 30 MCA scans from Sample 1 (TuneSampleID) of MT20040706144734.wiff (Turbo Spray) Max. 1.2e5 cps

