

MS/MS Parameters of Pesticides

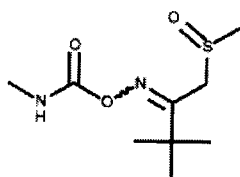
Analyte: Thiofanox-sulfoxid

CAS No.: 39184-27-5

Formula: C₉H₁₈N₂O₃S

Molecular mass (lowest isotopes): 234,10 amu

Structure:



Ionisation: ESI +

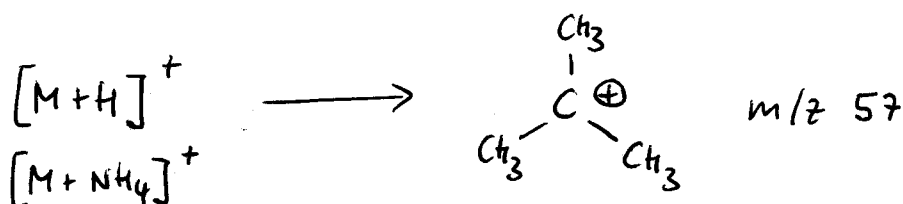
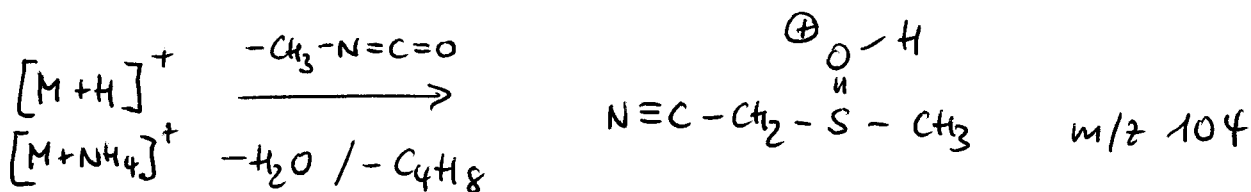
Quasimolecular ion: 252,1 amu = [M+NH₄]⁺

Analyte sensitive parameter set (API 2000)

Transition	252,1 → 104,0	252,1 → 57,2
Declustering potential (DP)*)	6 V	6 V
Focusing potential (FP)	360 V	330 V
Entrance potential (EP)	9,5 V	10,0 V
Collision cell entrance potential (CEP)	14 V	16 V
Collision energy (CE)	17 V	27 V
Collision cell exit potential (CXP)	6 V	8 V

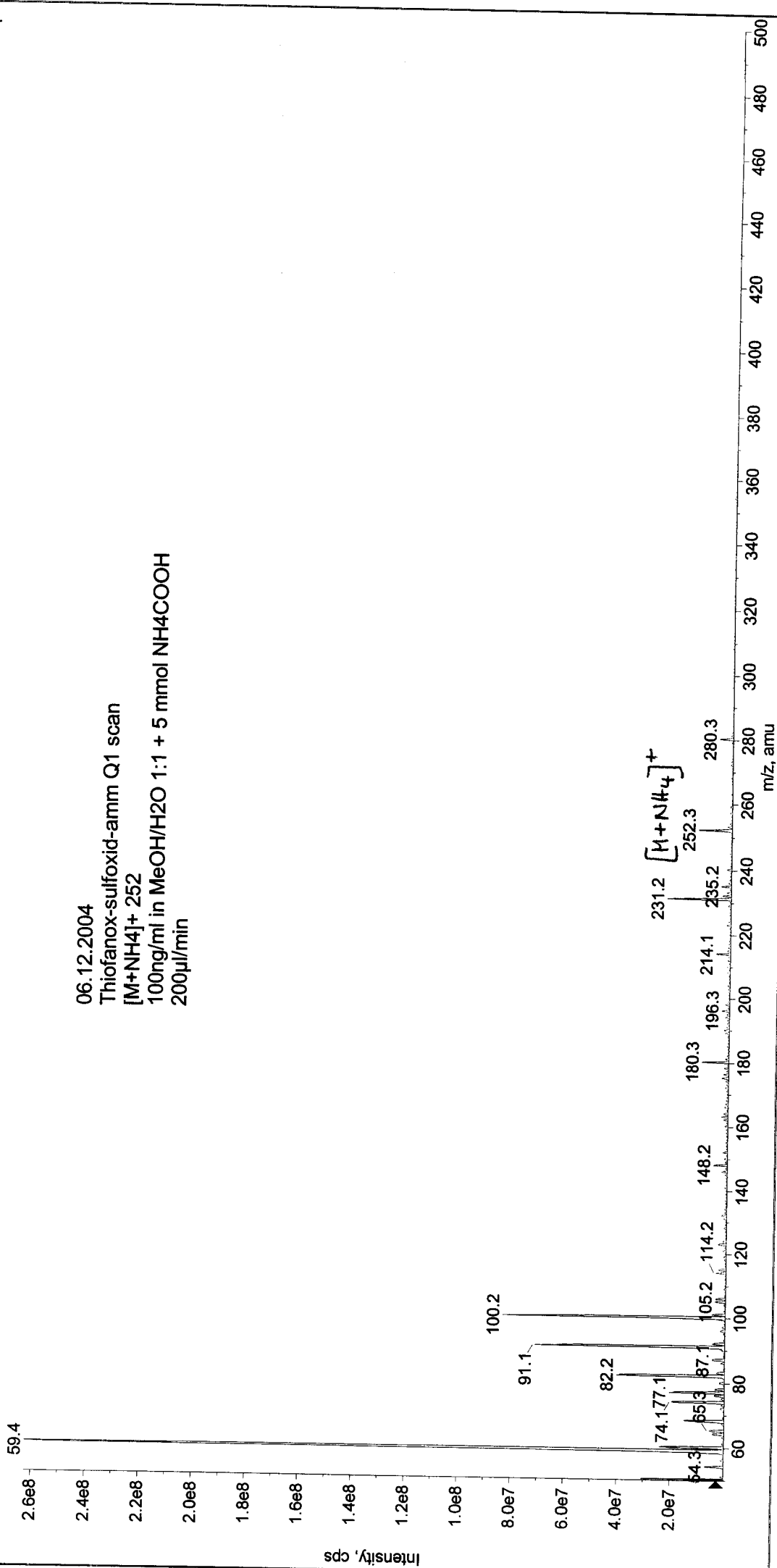
*) For API 3000 and 4000 enhance DP by 20V

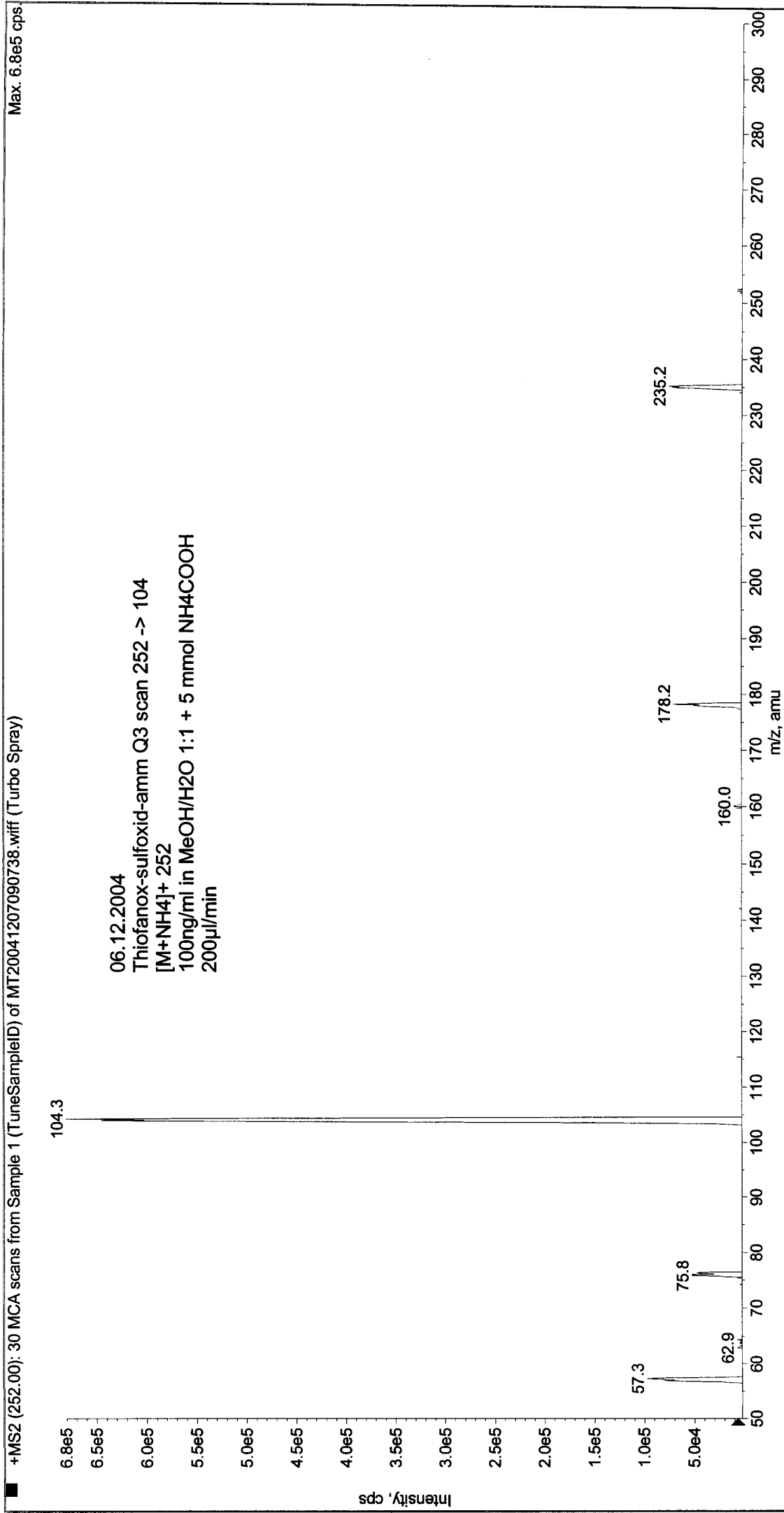
Fragmentation



+Q1: 30 MCA scans from Sample 1 (TuneSampleID) of MT20041207090459.wiff (Turbo Spray)

Max. 2.6e8 cps

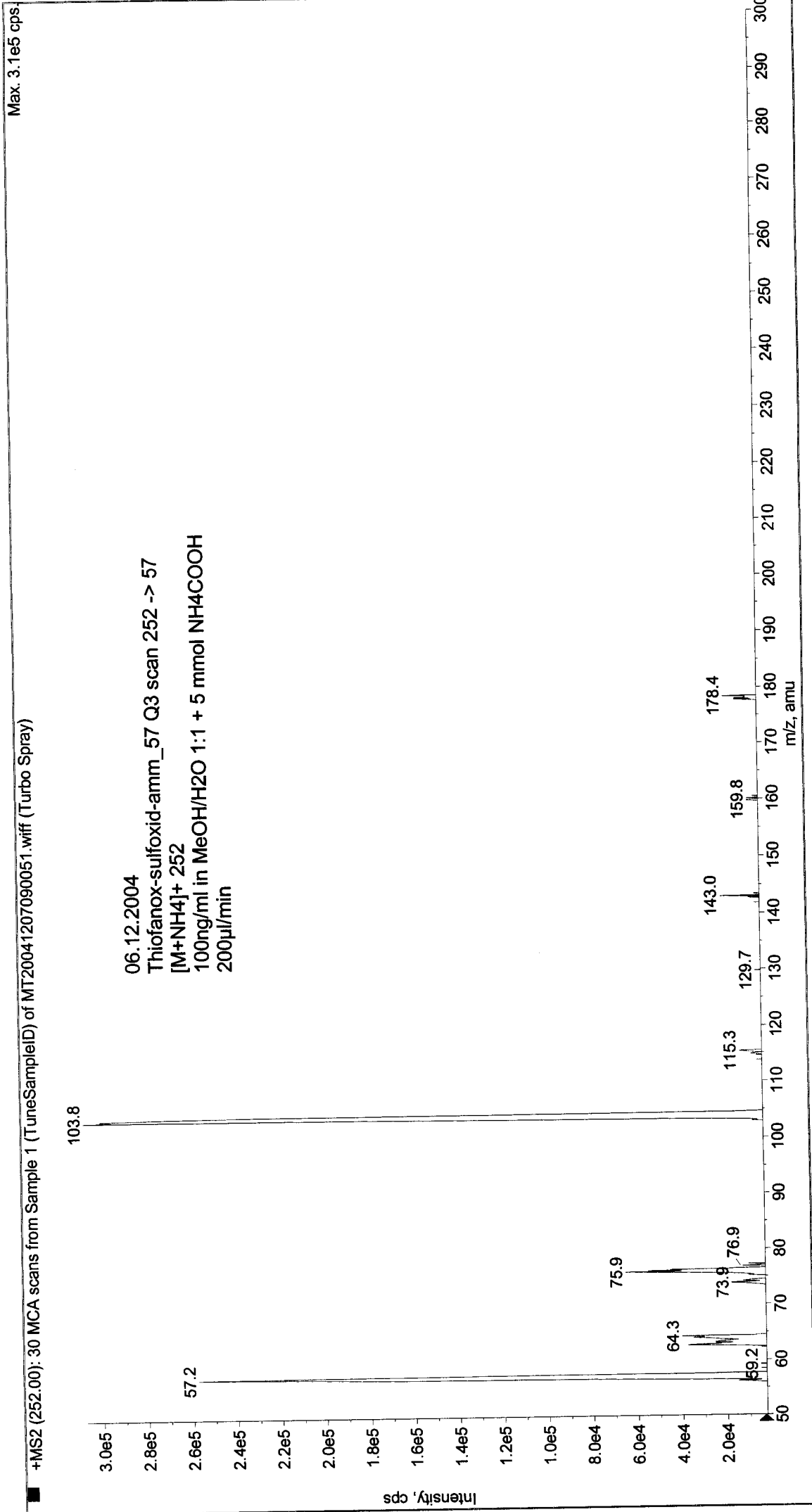




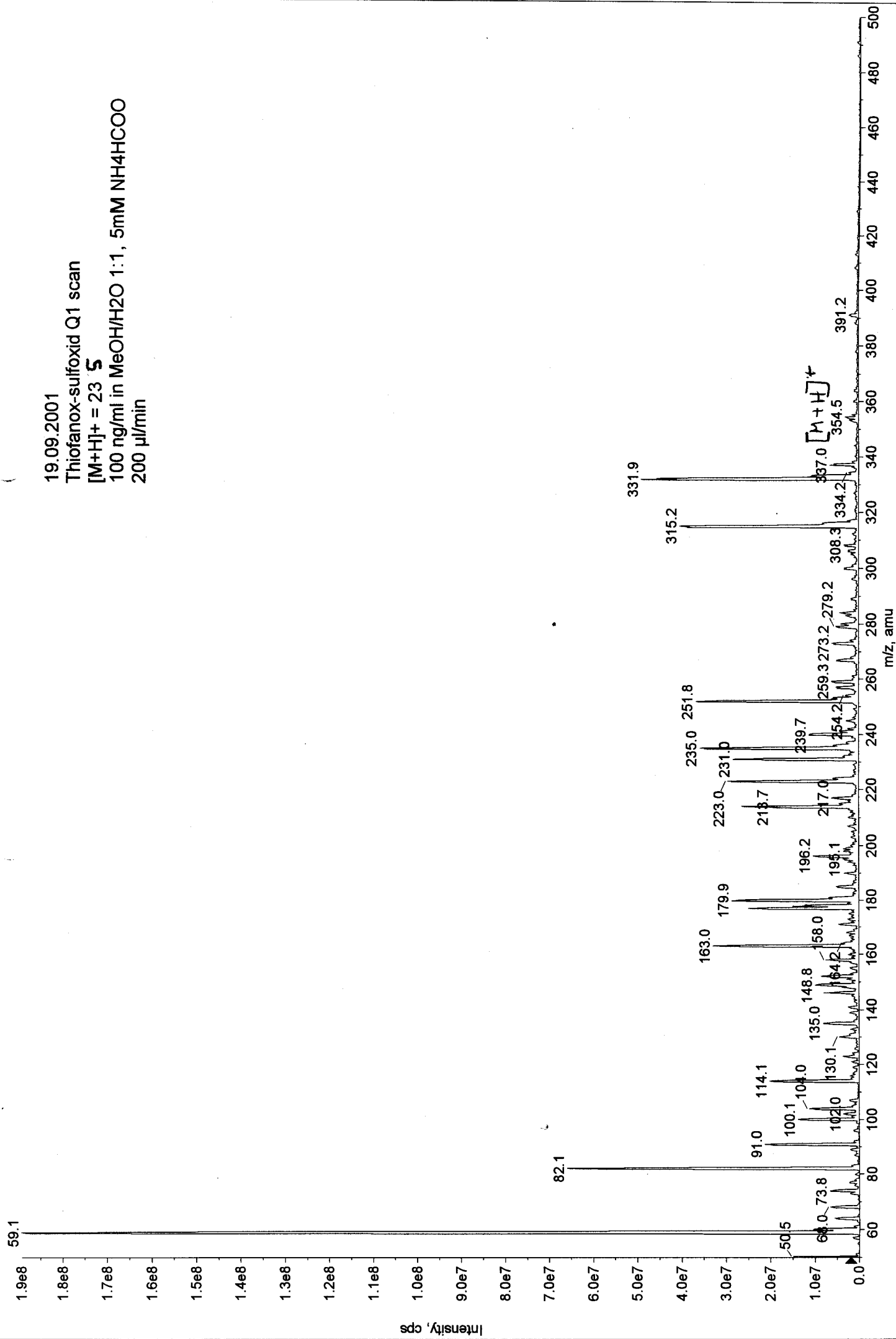
Sample Comment:
Sample Name: TuneSampleID
Batch Name: ManualTune.bat

Acq. Time: 09:00
Acq. Date: Tuesday, December 07, 2004
Acq. File: MT20041207090051.wiff

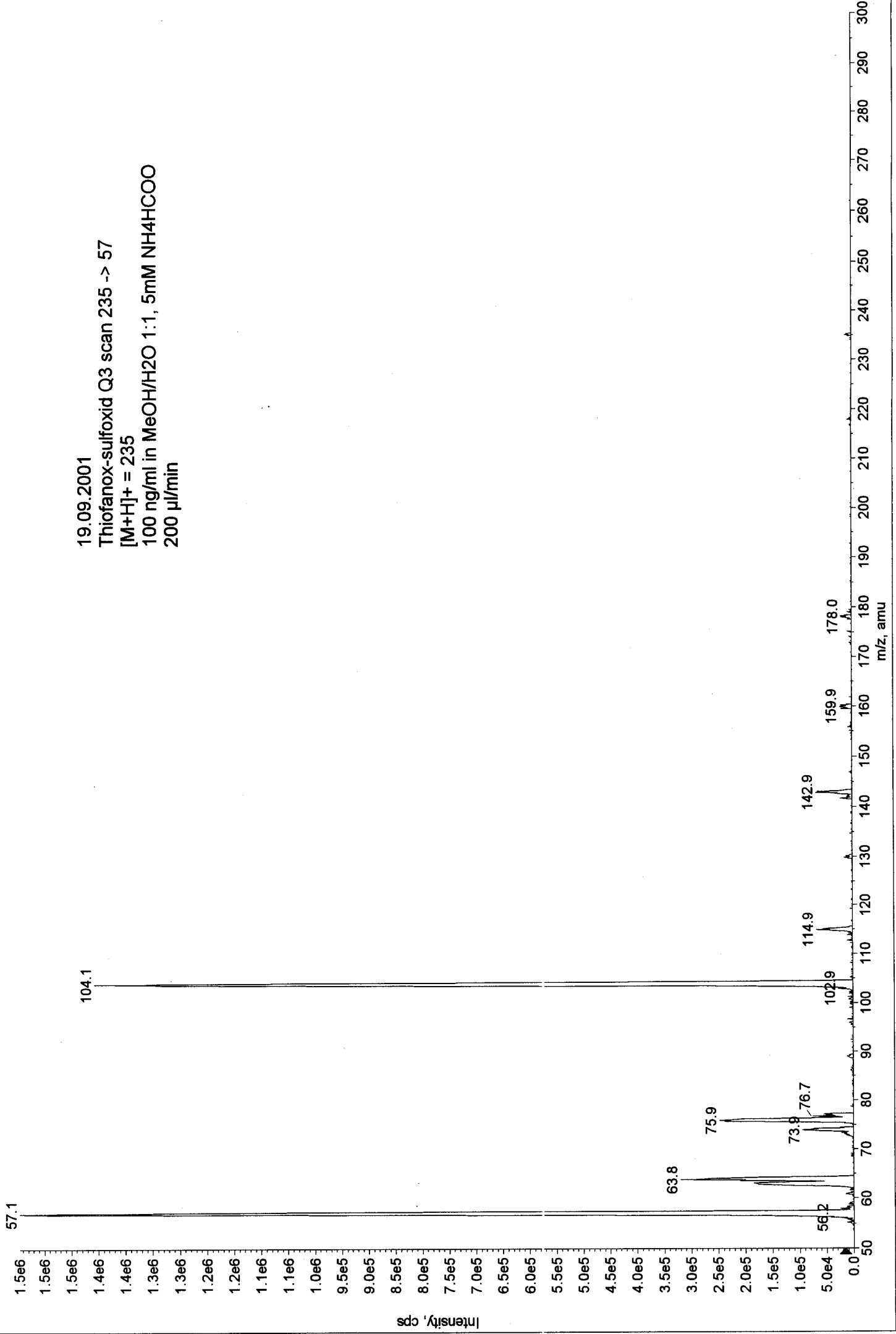
Printing Time: 9:02:11
Printing Date: Tuesday, December 07, 2004



19.09.2001
 Thiofanox-sulfoxid Q1 scan
 $[M+H]^+ = 235$
 100 ng/ml in MeOH/H₂O 1:1, 5mM NH₄HCOO
 200 µl/min



19.09.2001
Thiofanox-sulfoxid Q3 scan 235 -> 57
[M+H]⁺ = 235
100 ng/ml in MeOH/H₂O 1:1, 5mM NH₄HCOO
200 µl/min



19.09.2001
Thiofanox-sulfoxid104 Q3 scan 235 -> 104
[M+H]⁺ = 235
100 ng/ml in MeOH/H₂O 1:1, 5mM NH₄HCOO
200 µl/min

