

**BfR**

Risiken erkennen – Gesundheit schützen

MS/MS Parameters of Pesticides

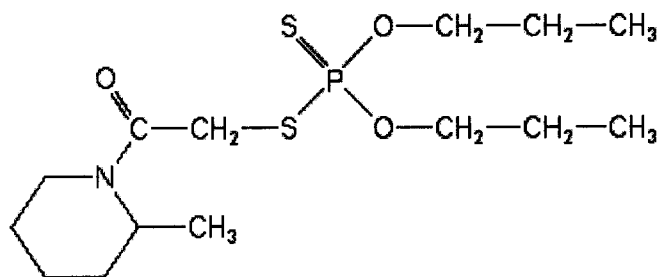
Analyte: Piperophos

CAS No.: 24151-93-7

Formula: C₁₄H₂₈NO₃PS₂

Molecular mass (lowest isotopes): 353,12 amu

Structure:



Ionisation: ESI +

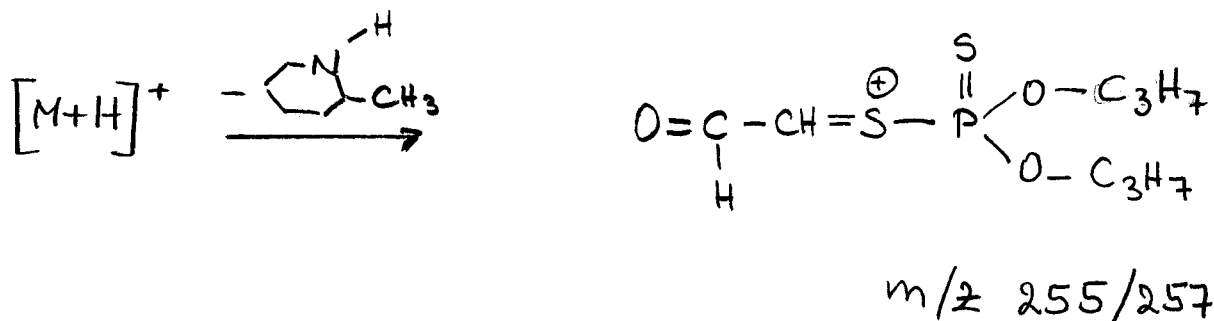
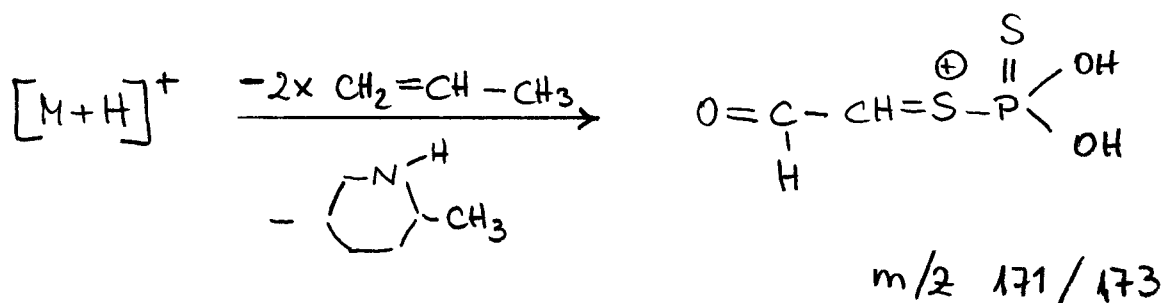
Quasimolecular ion: 354,1 amu = [M+H]⁺

Analyte sensitive parameter set (API 2000)

Transition	354,1 → 171,1	354,1 → 255,0
Declustering potential (DP) ^{*)}	24 V	24 V
Focusing potential (FP)	370 V	370 V
Entrance potential (EP)	10,5 V	12,0 V
Collision cell entrance potential (CEP)	26 V	22 V
Collision energy (CE)	29 V	19 V
Collision cell exit potential (CXP)	8 V	14 V

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

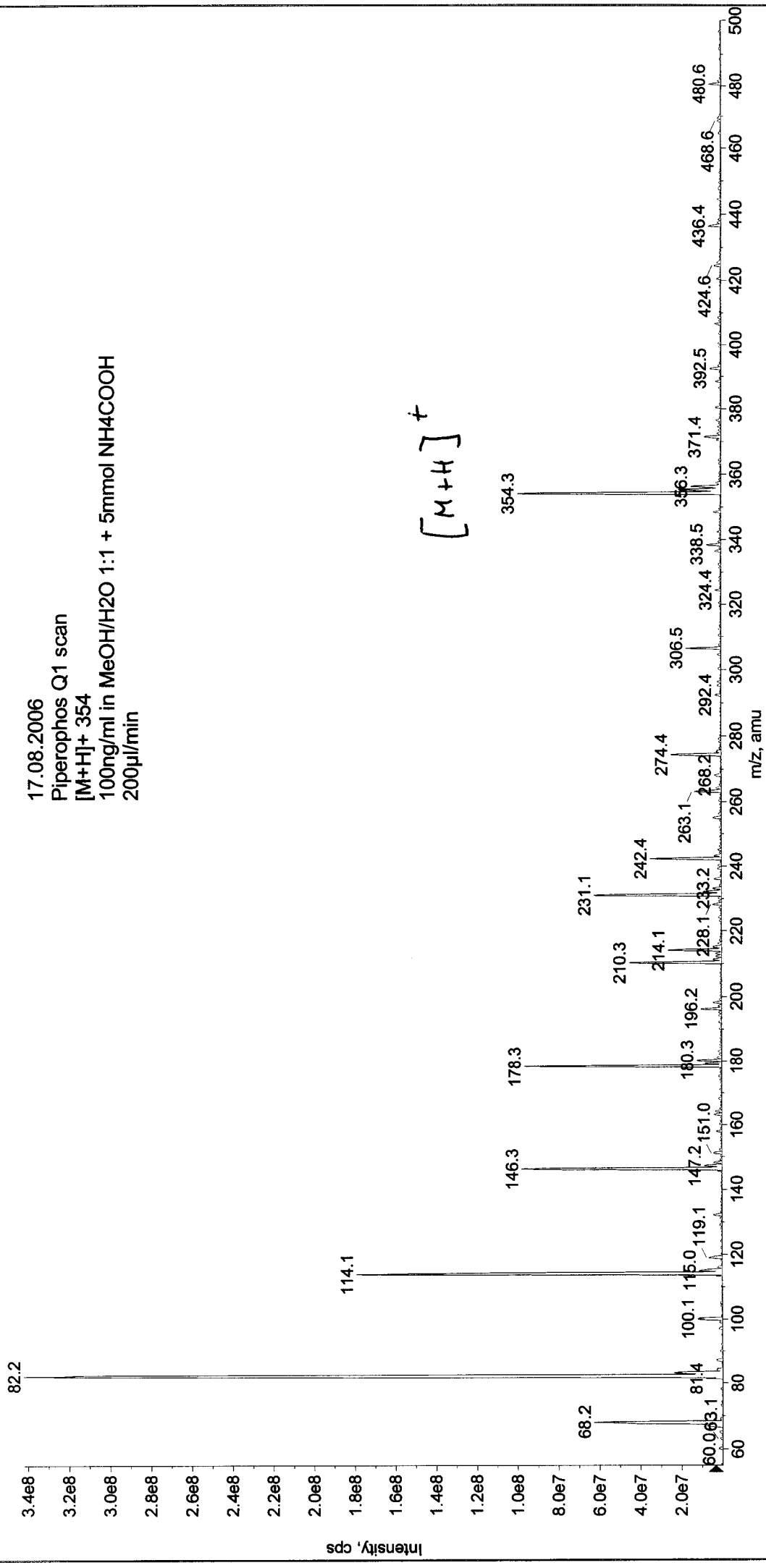
Fragmentation

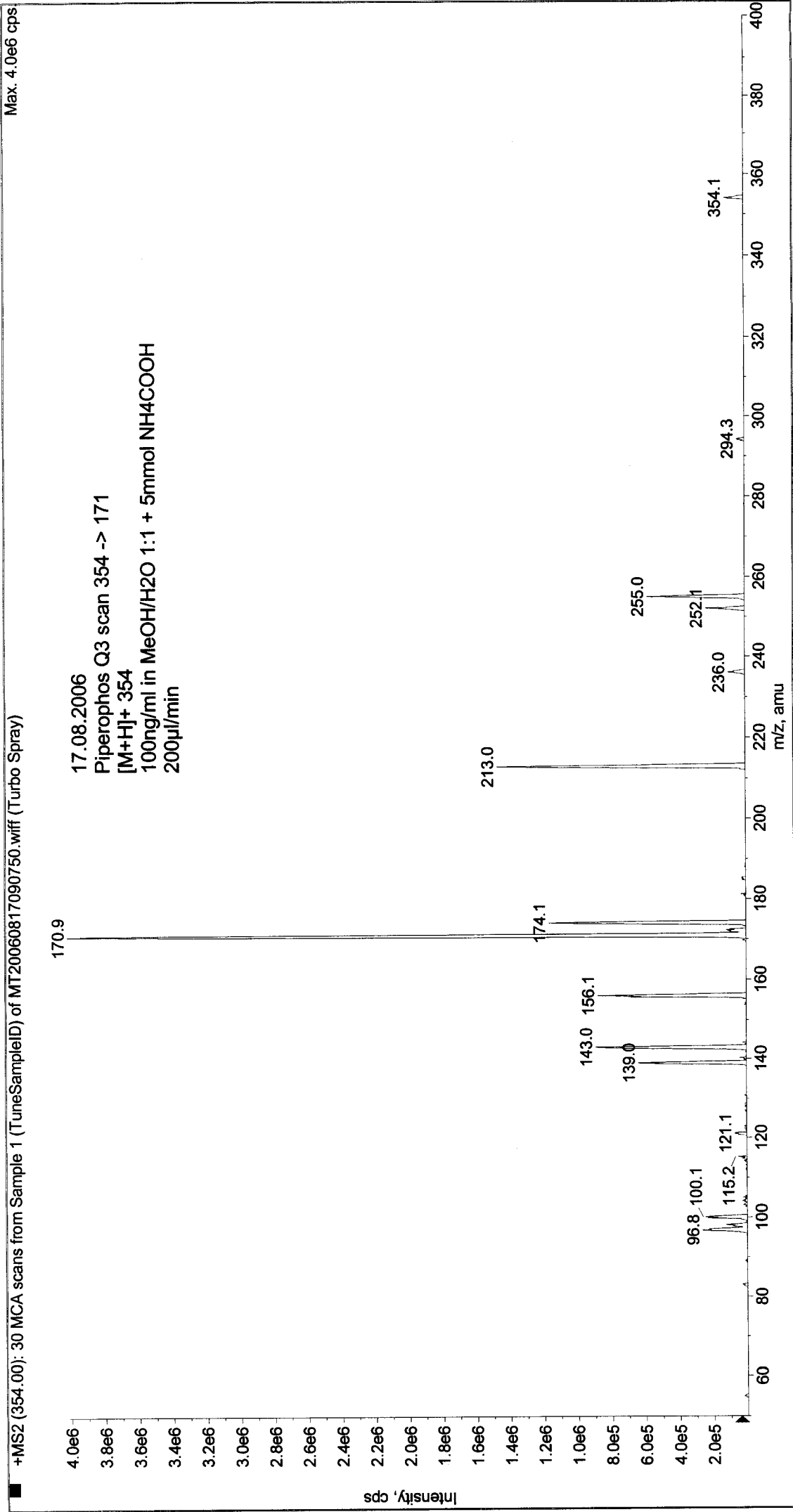


+Q1: 30 MCA scans from Sample 1 (TuneSampleID) of MT20060817090542.wiff (Turbo Spray)

Max. 3.4e8 cps

17.08.2006
Piperophos Q1 scan
[M+H]⁺ 354
100ng/ml in MeOH/H₂O 1:1 + 5mmol NH₄COOH
200µl/min

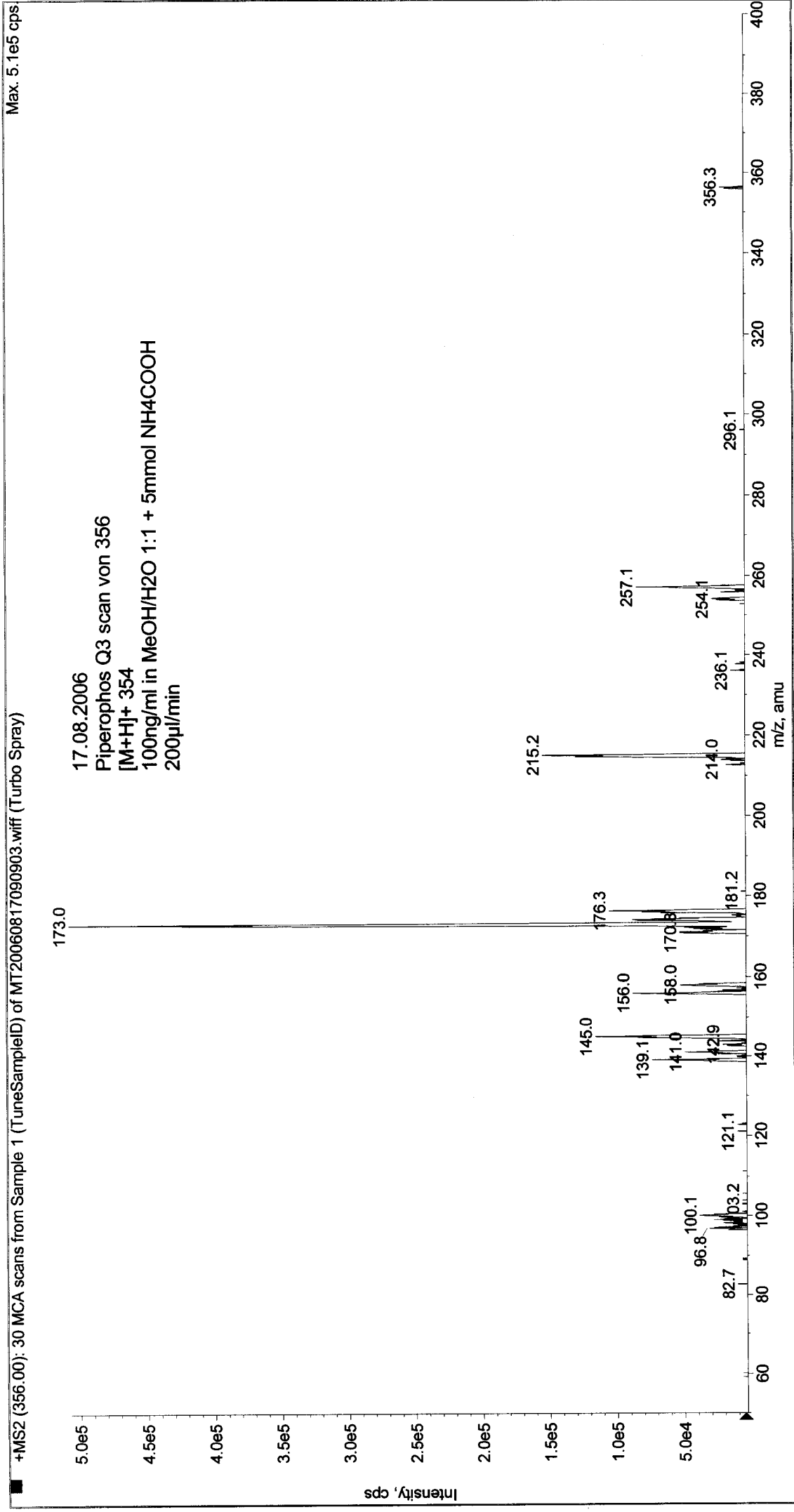




Printing Time: 9:10:05
Printing Date: Thursday, August 17, 2006

Acq. Time: 09:09
Acq. Date: Thursday, August 17, 2006
Acq. File: MT20060817090903.wiff

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



Printing Time: 9:17:37

Printing Date: Thursday, August 17, 2006

Acq. Time: 09:16

Acq. Date: Thursday, August 17, 2006

Acq. File: MT20060817091620.wiff

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

