

MS/MS Parameters of Pesticides

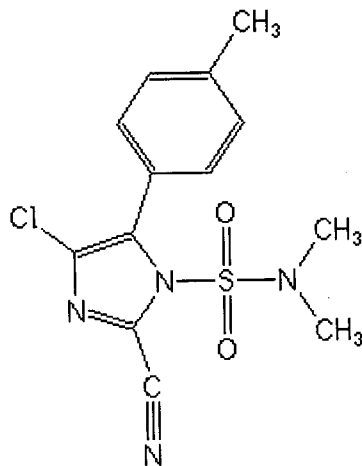
Analyte: Cyazofamid

CAS No.: 120116-88-3

Formula: C₁₃H₁₃ClN₄O₂S

Molecular mass (lowest isotopes): 324,05 amu

Structure:



Ionisation: ESI +

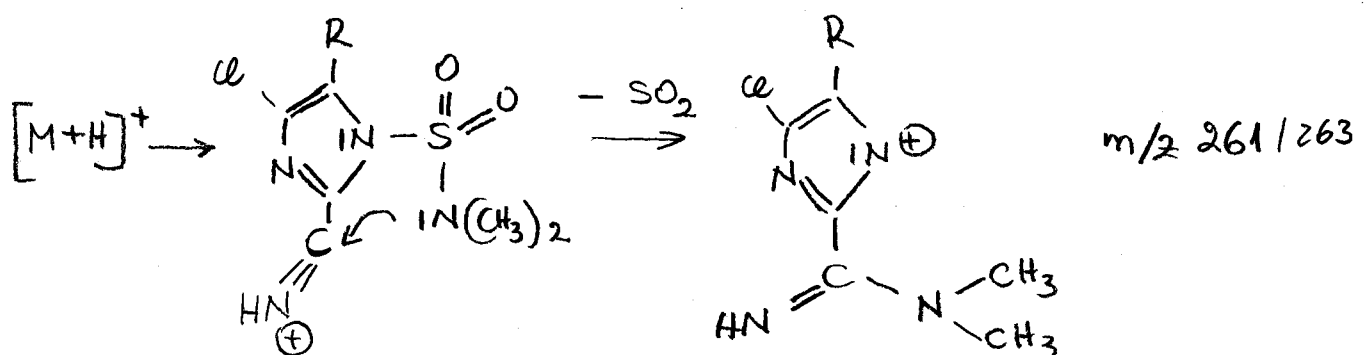
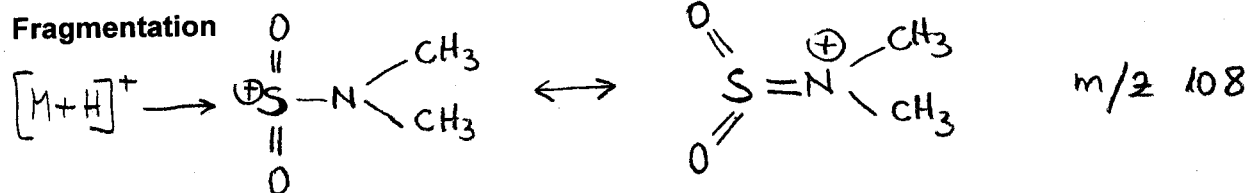
Quasimolecular ion: 325,0 amu = [M+H]⁺

Analyte sensitive parameter set (API 2000)

Transition	325,0 → 108,0	325,0 → 261,0
Declustering potential (DP) ^{*)}	36 V	36 V
Focusing potential (FP)	370 V	370 V
Entrance potential (EP)	9,5 V	9,5 V
Collision cell entrance potential (CEP)	20 V	20 V
Collision energy (CE)	19 V	15 V
Collision cell exit potential (CXP)	6 V	14 V

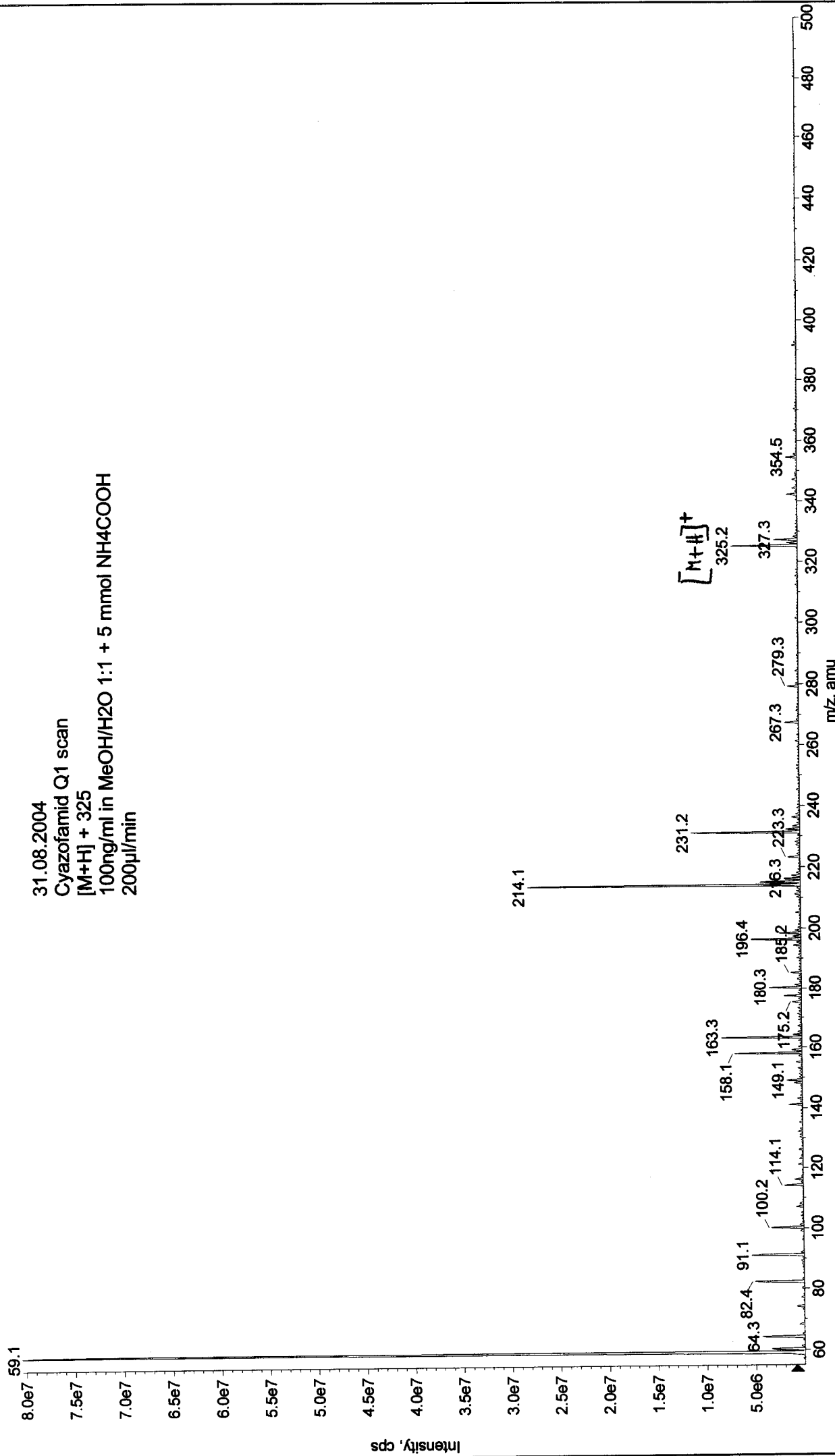
^{*)} For API 3000 and 4000 enhance DP by 20V

Fragmentation



Max. 8.0e7 cps

+Q1: 30 MCA scans from Sample 1 (TuneSampleID) of MT20040831112802.wiff (Turbo Spray)



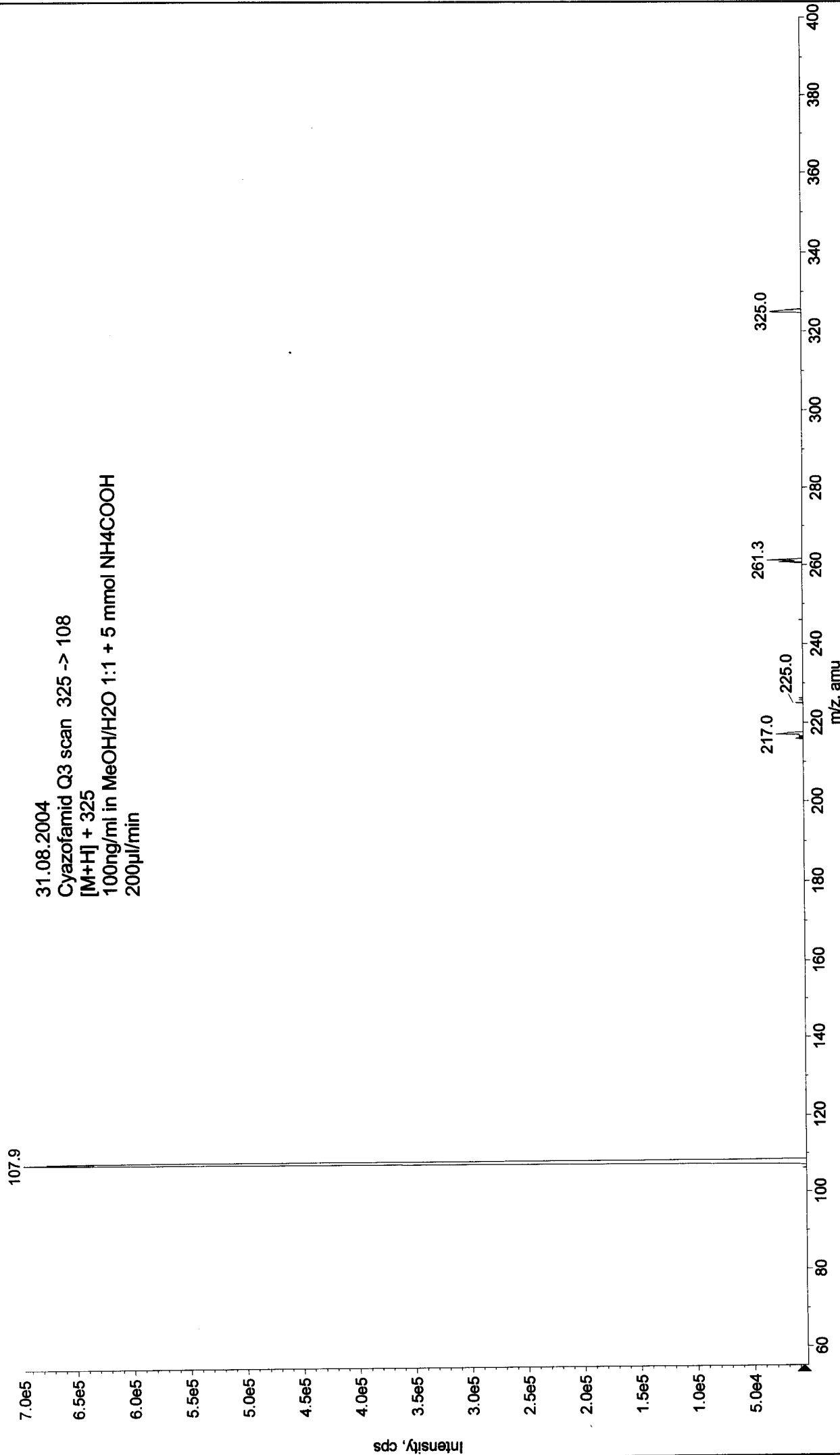
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Printing Date: Tuesday, August 31, 2004

Acq. Time: 11:30
Acq. Date: Tuesday, August 31, 2004
Acq. File: MT20040831113033.wiff

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

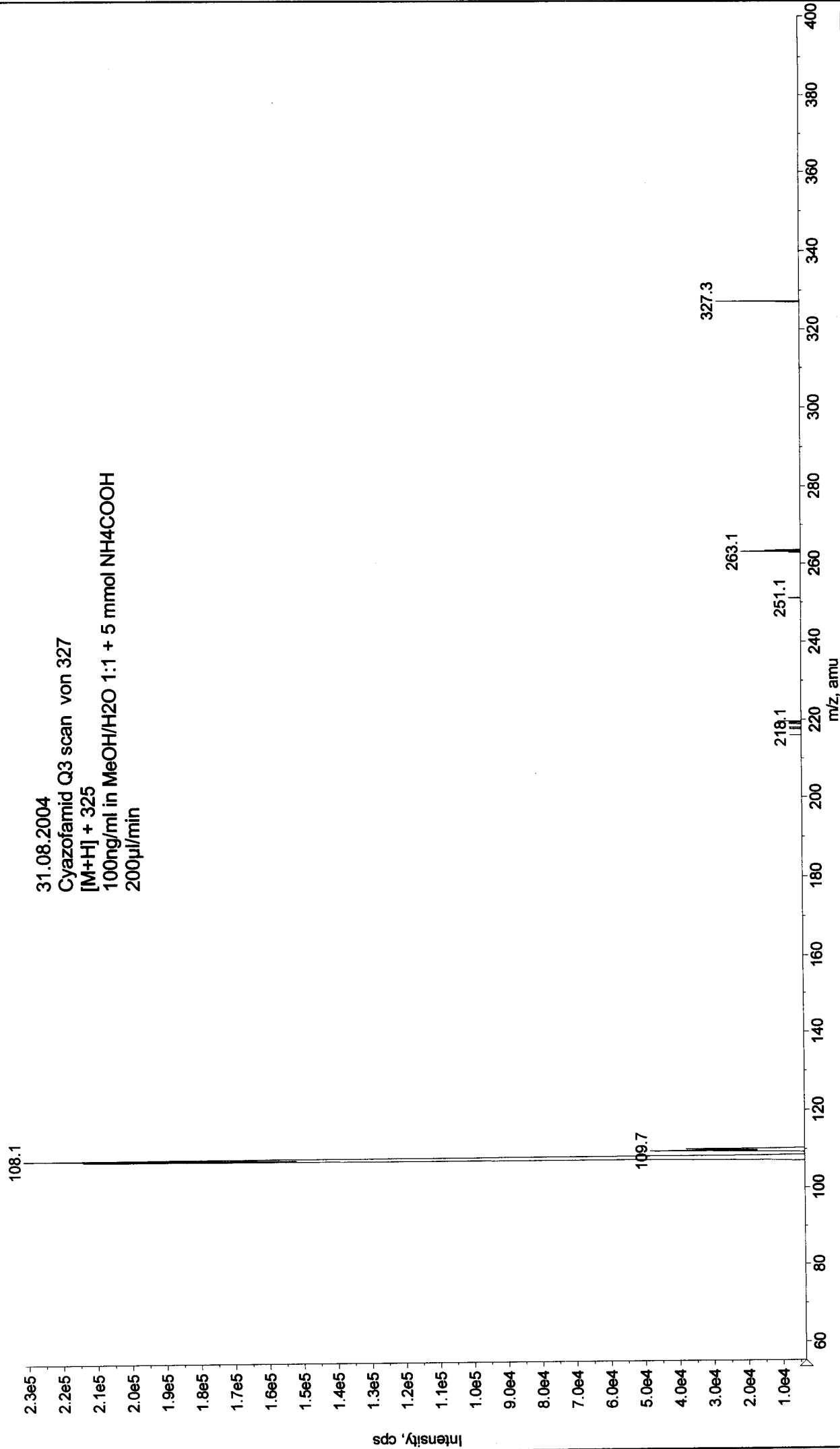
Max. 7.0e5 cps

+MS2 (325.00): 30 MCA scans from Sample 1 (TuneSampleID) of MT20040831113033.wiff (Turbo Spray)



Max. 2.3e5 cps

■ +MS2 (327.00): 30 MCA scans from Sample 1 (TuneSampleID) of MT20040831113123.wiff (Turbo Spray)

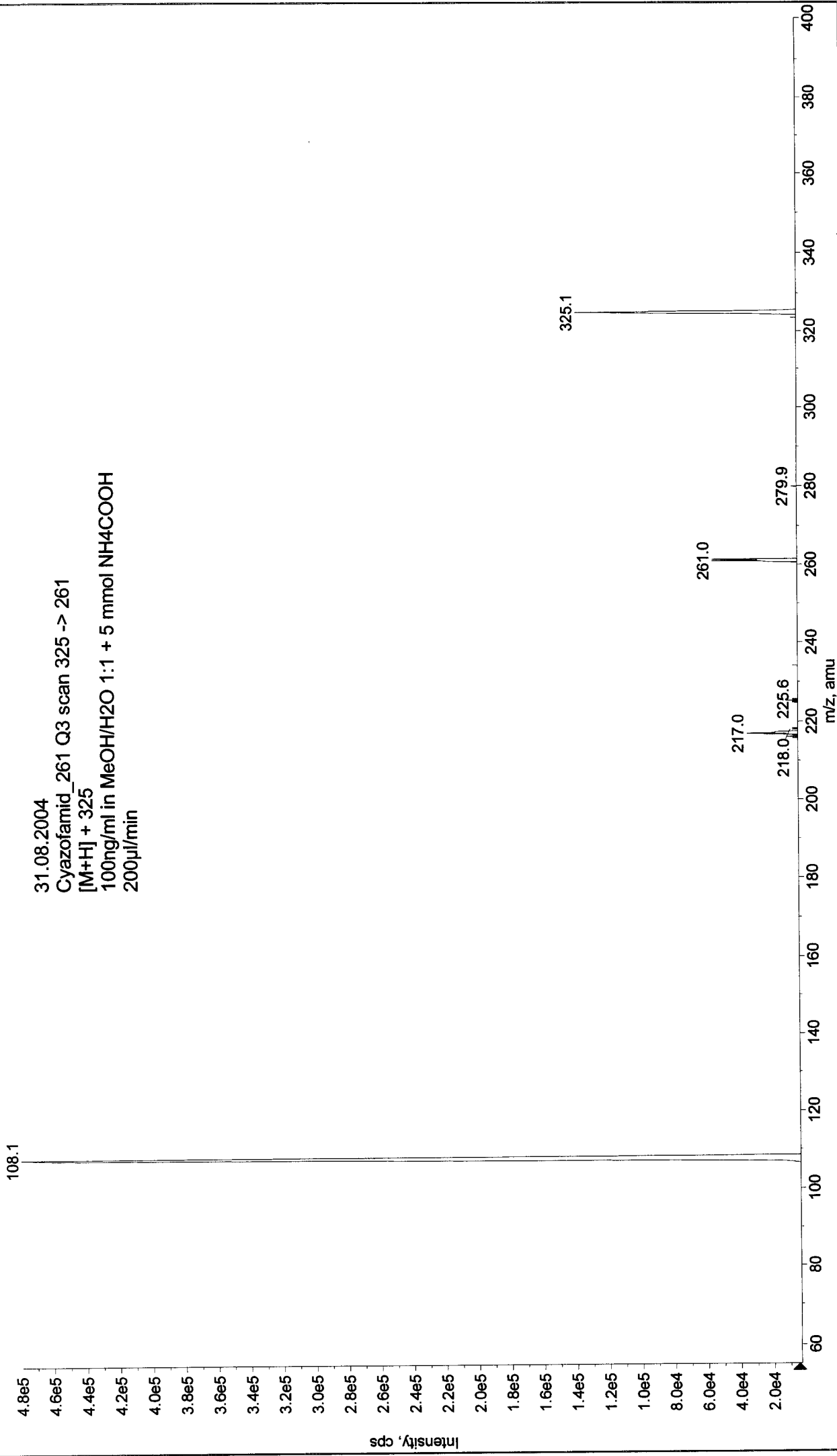


Printing Time: 11:45:04
Printing Date: Tuesday, August 31, 2004

Acq. Time: 11:43
Acq. Date: Tuesday, August 31, 2004
Acq. File: MT20040831114351.wiff

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

+MS2 (325.00): 30 MCA scans from Sample 1 (TuneSampleID) of MT20040831114351.wiff (Turbo Spray) Max. 4.8e5 cps



31.08.2004
Cyazofamid_261 Q3 scan 325 -> 261
[M+H]⁺ + 325
100ng/ml in MeOH/H₂O 1:1 + 5 mmol NH₄COOH
200µl/min