

**BfR**

Risiken erkennen – Gesundheit schützen

MS/MS Parameters of Pesticides

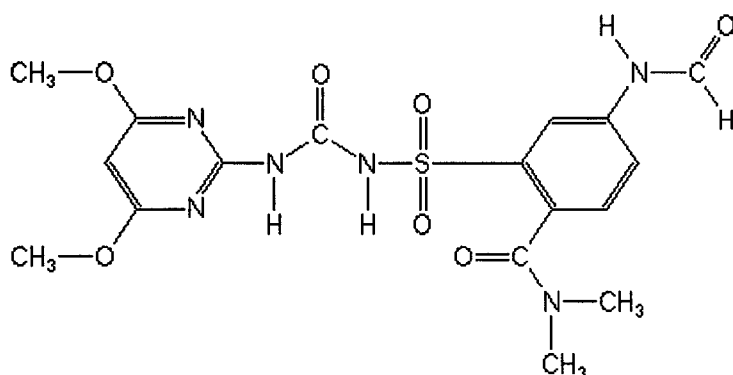
Analyte: Foramsulfuron

CAS No.: 173159-57-4

Formula: C₁₇H₂₀N₆O₇S

Molecular mass (lowest isotopes): 452,11 amu

Structure:



Ionisation: ESI +

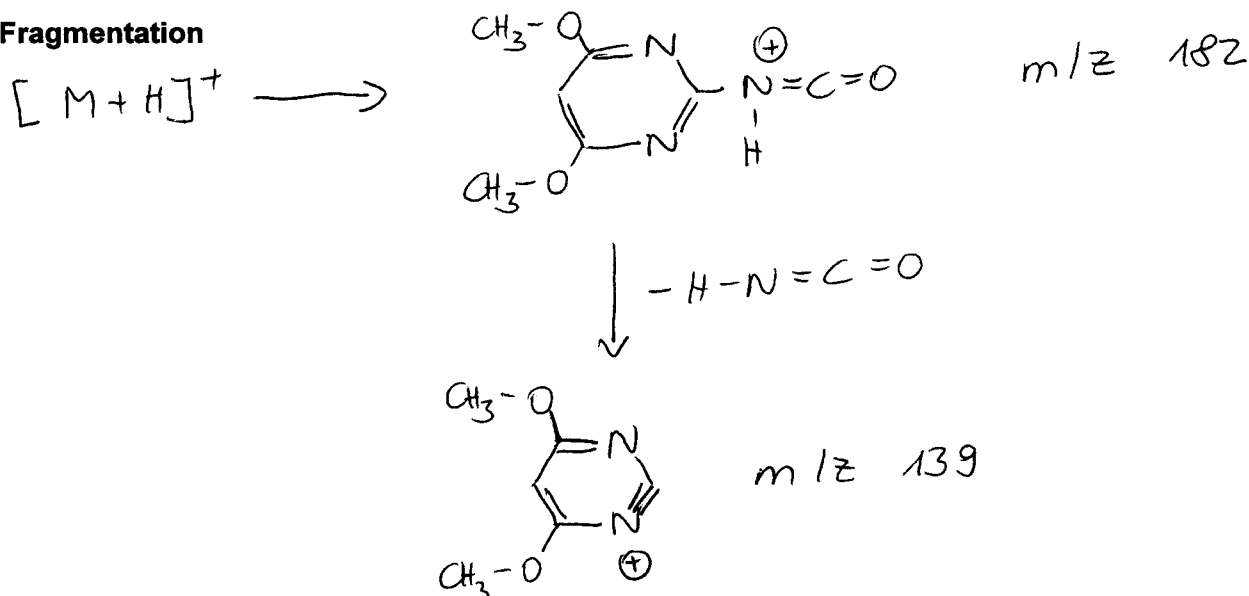
Quasimolecular ion: 453,1 amu = [M+H]⁺

Analyte sensitive parameter set (API 2000)

Transition	453,1 → 182,2	453,1 → 139,2
Declustering potential (DP) ^{*)}	51V	51 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)	27 V	63 V
Collision cell exit potential (CXP)	10 V	6 V

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

Fragmentation



Printing Time: 10:51:28
Printing Date: Friday, February 11, 2005

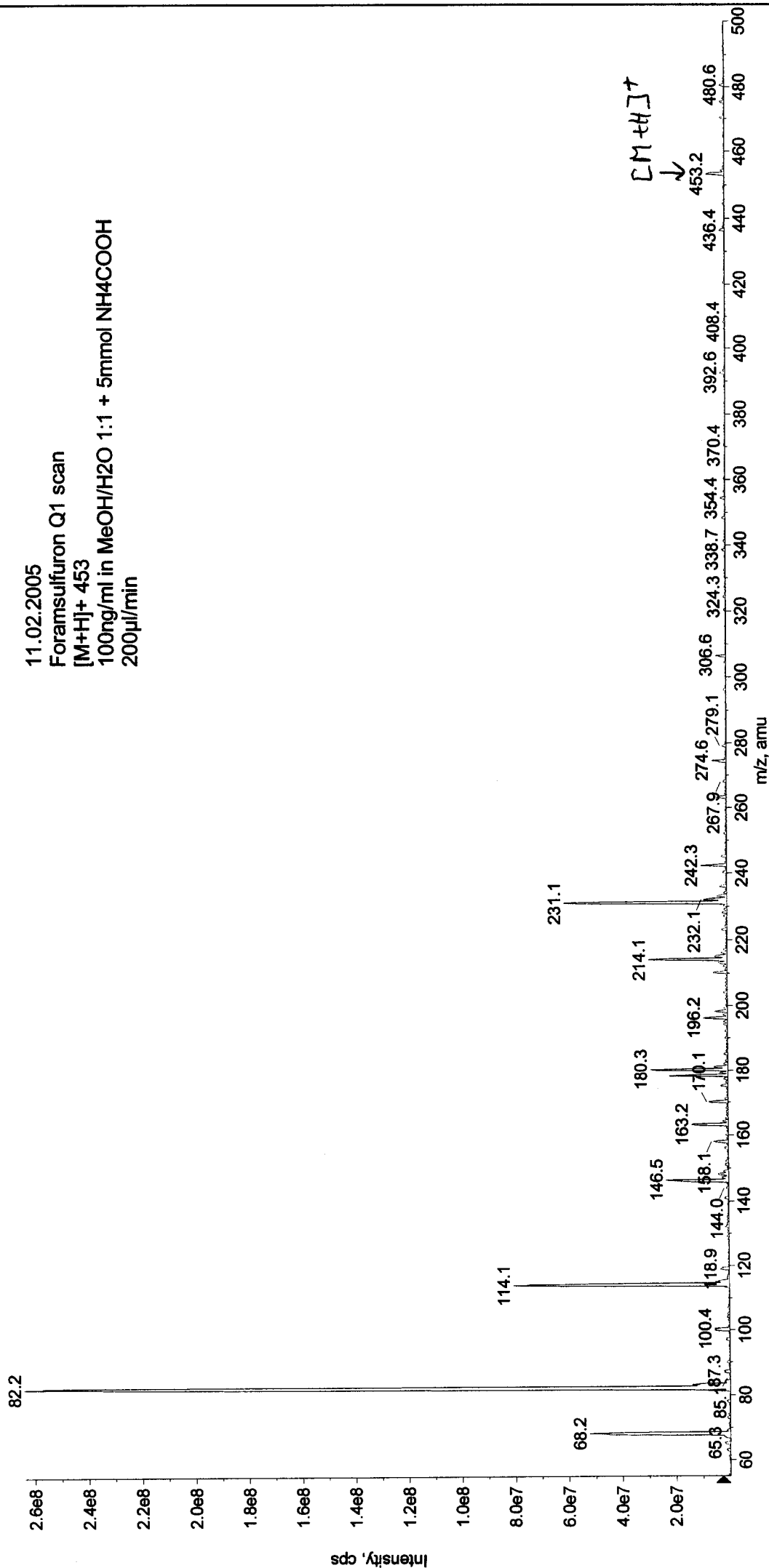
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Acq. Date: Friday, February 11, 2005
Acq. File: MT20050211105005.wiff

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

+Q1: 30 MCA scans from Sample 1 (TuneSampleID) of MT20050211105005.wiff (Turbo Spray)

Max. 2.6e8 cps.

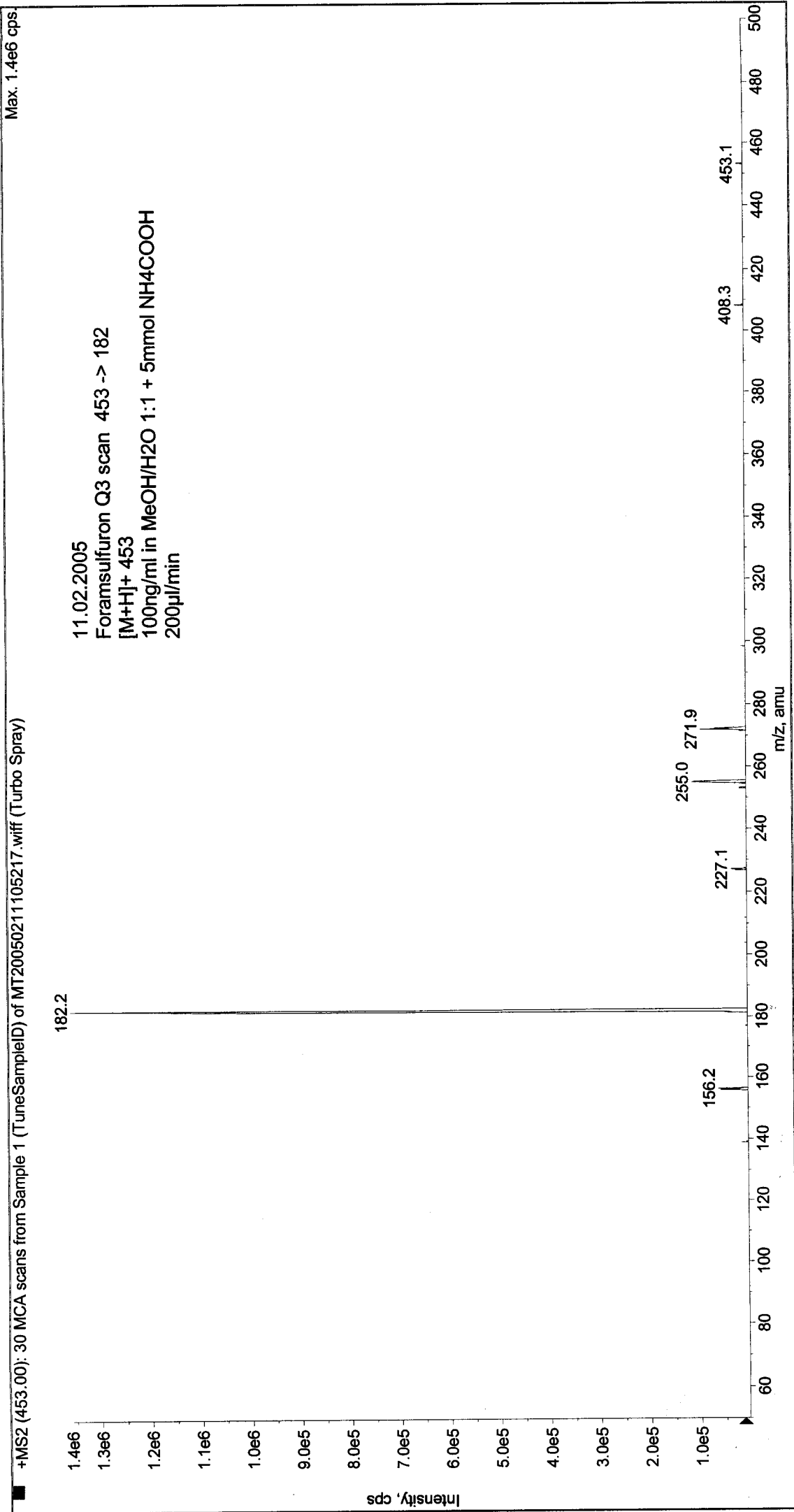
11.02.2005
Foramsulfuron Q1 scan
[M+H]⁺ 453
100ng/ml in MeOH/H₂O 1:1 + 5mmol NH₄COOH
200µl/min



Printing Time: 10:53:29
Printing Date: Friday, February 11, 2005

Acq. Time: 10:52
Acq. Date: Friday, February 11, 2005
Acq. File: MT20050211105217.wiff

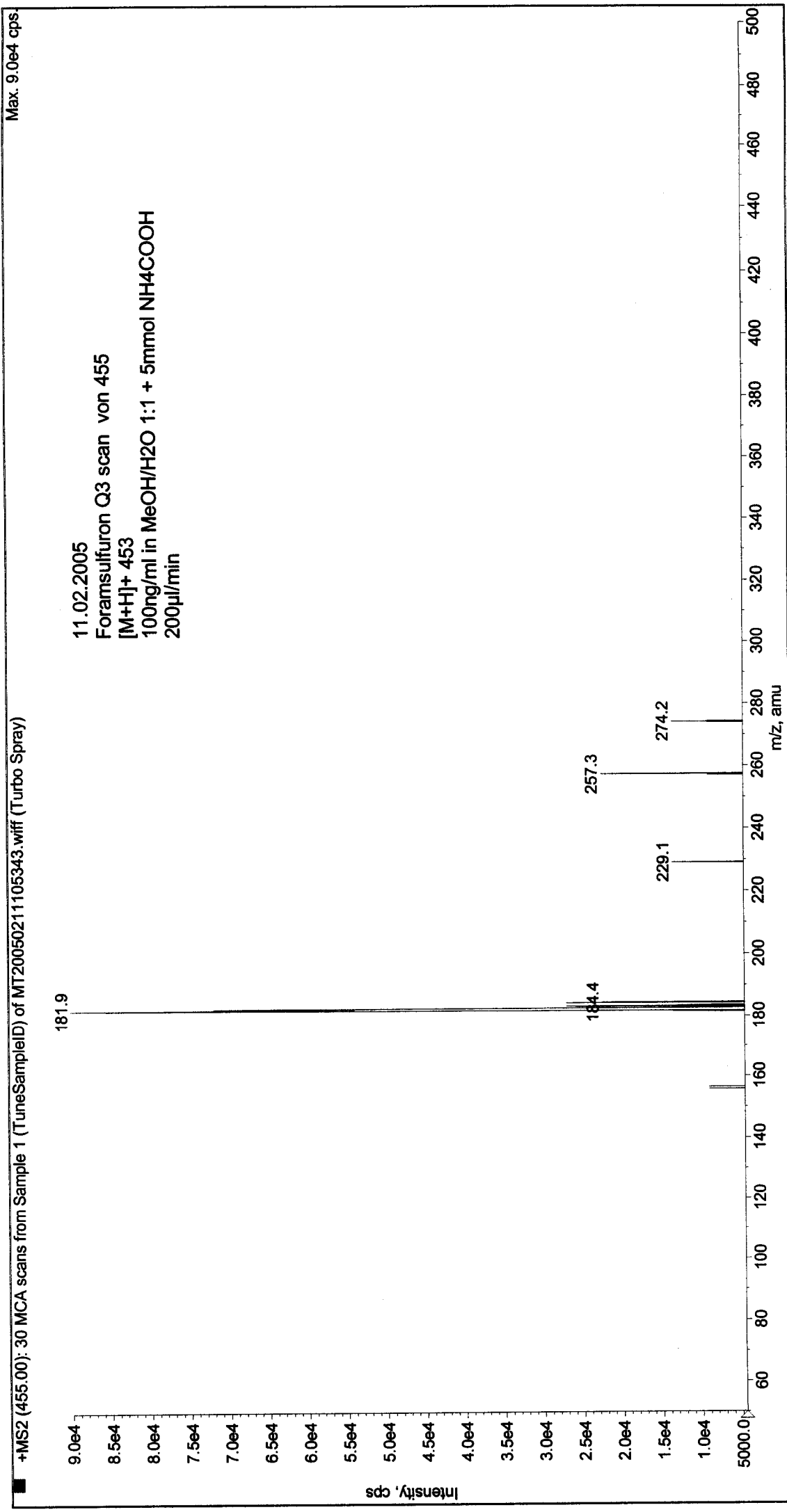
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Batch Name: ManualTune.bat



Printing Time: 10:54:42
Printing Date: Friday, February 11, 2005

Acq. Time: 10:53
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Sample Comment:
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Batch Name: ManualTune.bat



Printing Time: 11:02:30

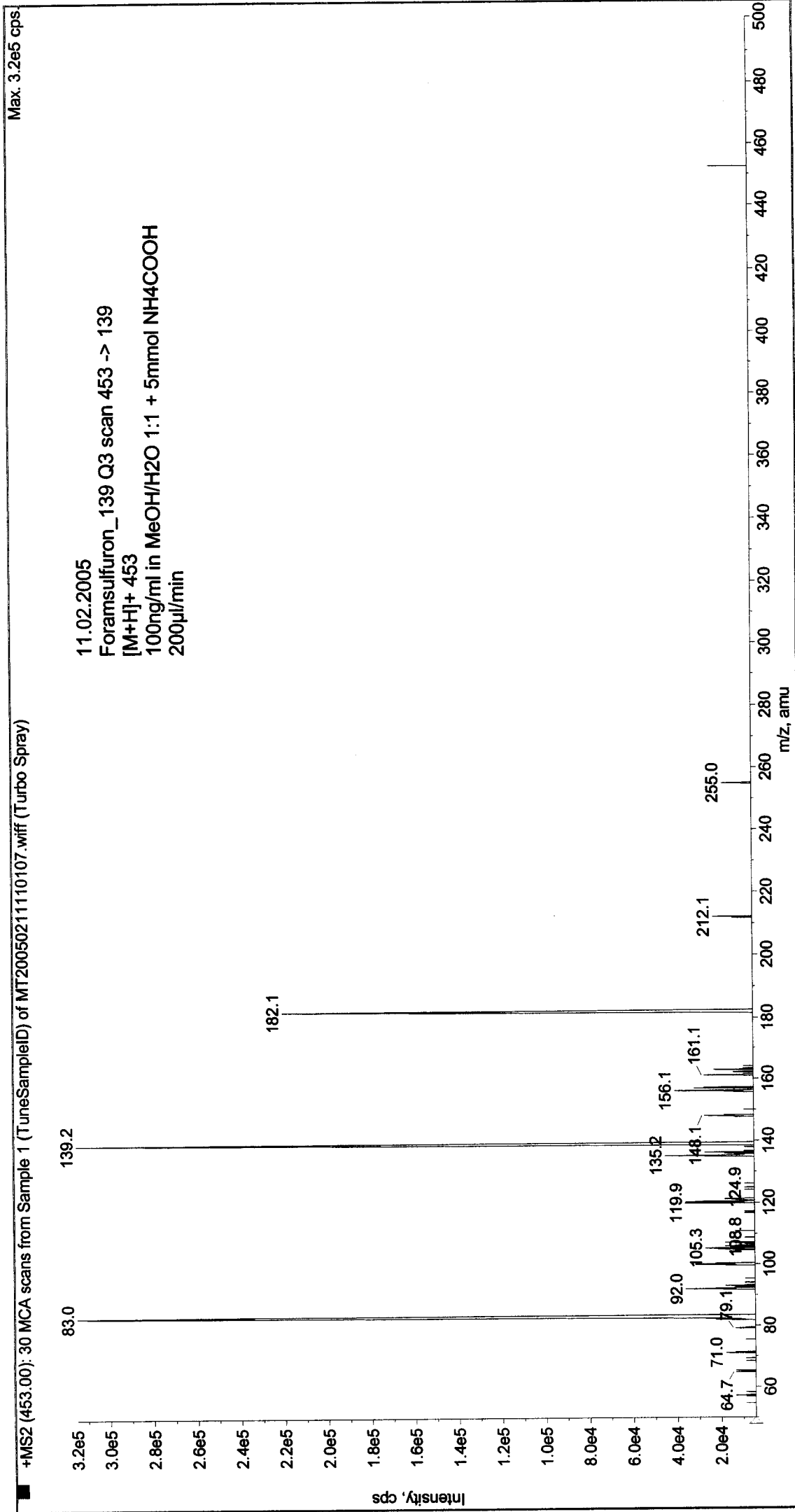
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Acq. Time: 11:01

Acq. Date: Friday, February 11, 2005

Acq. File: MT20050211110107.wiff

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



Printing Time: 11:03:51
Printing Date: Friday, February 11, 2005

Acq. Time: 11:02
Acq. Date: Friday, February 11, 2005
Acq. File: MT20050211110247.wiff

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

