

**BfR**

Risiken erkennen – Gesundheit schützen

## MS/MS Parameters of Pesticides

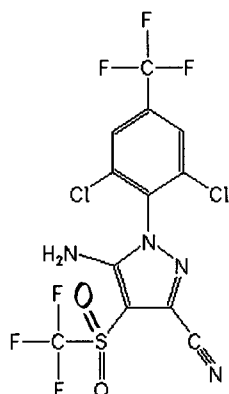
### Analyte: Fipronil-sulfon

CAS No.: 120068-36-2

Formula: C<sub>12</sub>H<sub>4</sub>Cl<sub>2</sub>F<sub>6</sub>N<sub>4</sub>O<sub>2</sub>S

Molecular mass (lowest isotopes): 451,9 amu

Structure:



Ionisation: ESI -

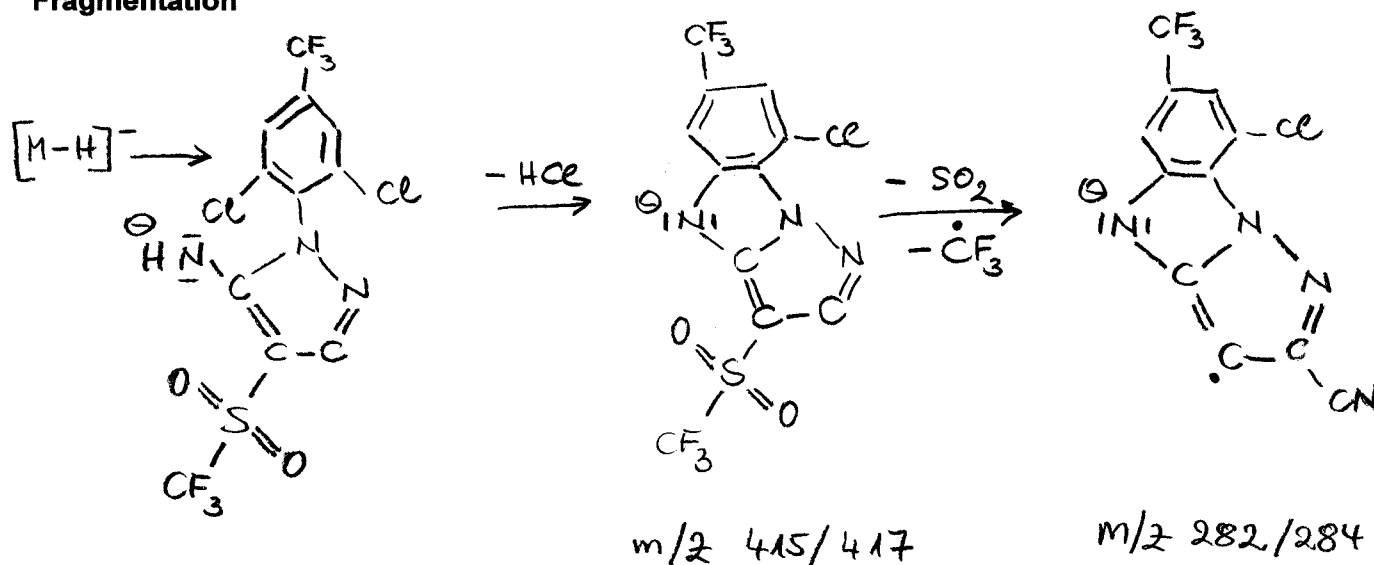
Quasimolecular ion: 451 amu = [M-H]<sup>-</sup>

Analyte sensitive parameter set (API 2000)

Transition	451 → 282	451 → 415
Declustering potential (DP)*)	-16V	-16 V
Focusing potential (FP)	-350 V	-320 V
Entrance potential (EP)	-10,0 V	-10,5 V
Collision cell entrance potential (CEP)	-20 V	-22 V
Collision energy (CE)	-34 V	-20 V
Collision cell exit potential (CXP)	-18 V	-26 V

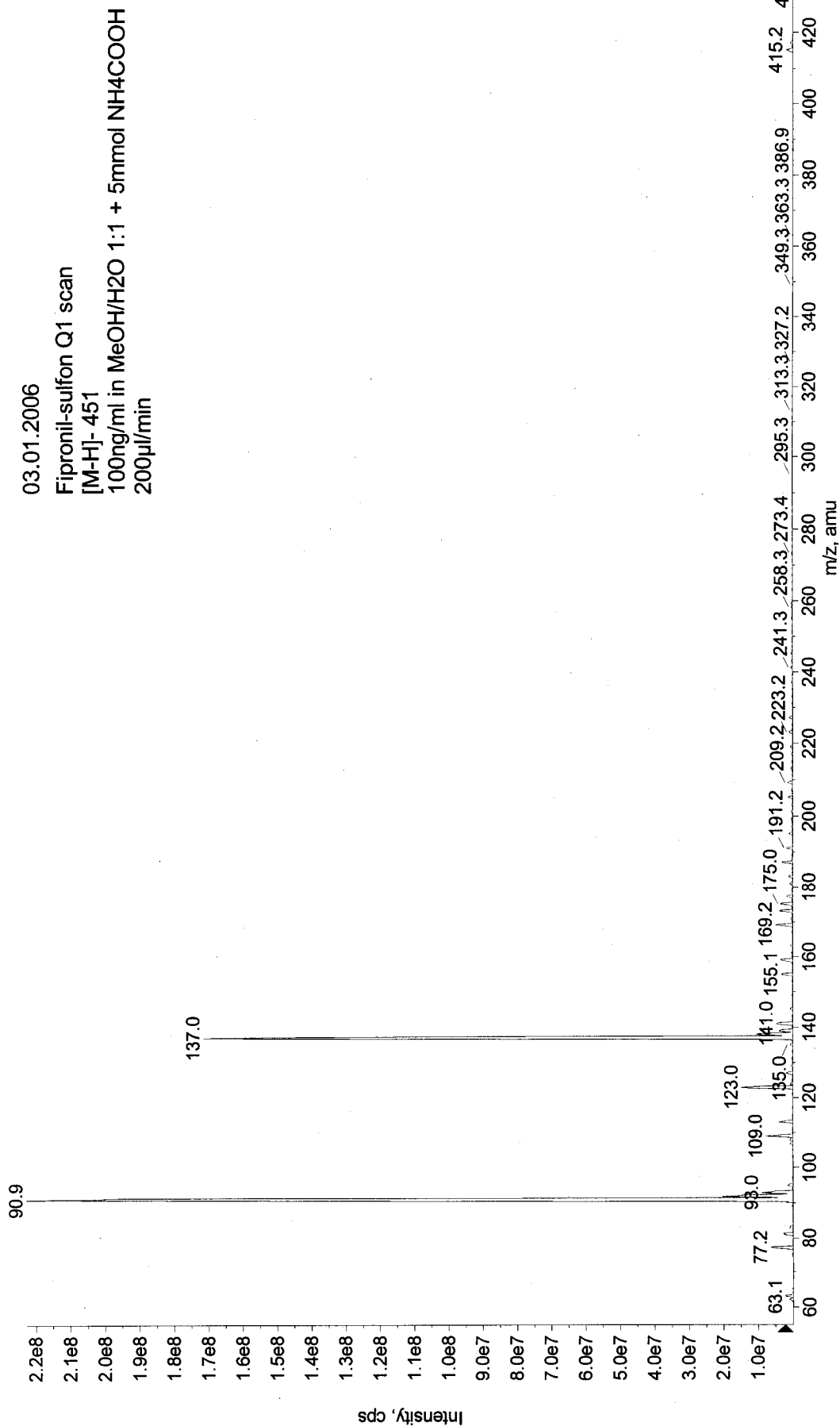
\*) For API 3000 and 4000 enhance DP by 20V

### Fragmentation



-Q1: 30 MCA scans from Sample 1 (TuneSampleID) of MT20060103113138.wiff (Turbo Spray)

Max. 2.2e8 cps



Printing Time: 11:37:09

Printing Date: Tuesday, January 03, 2006

Acq. Time: 11:35

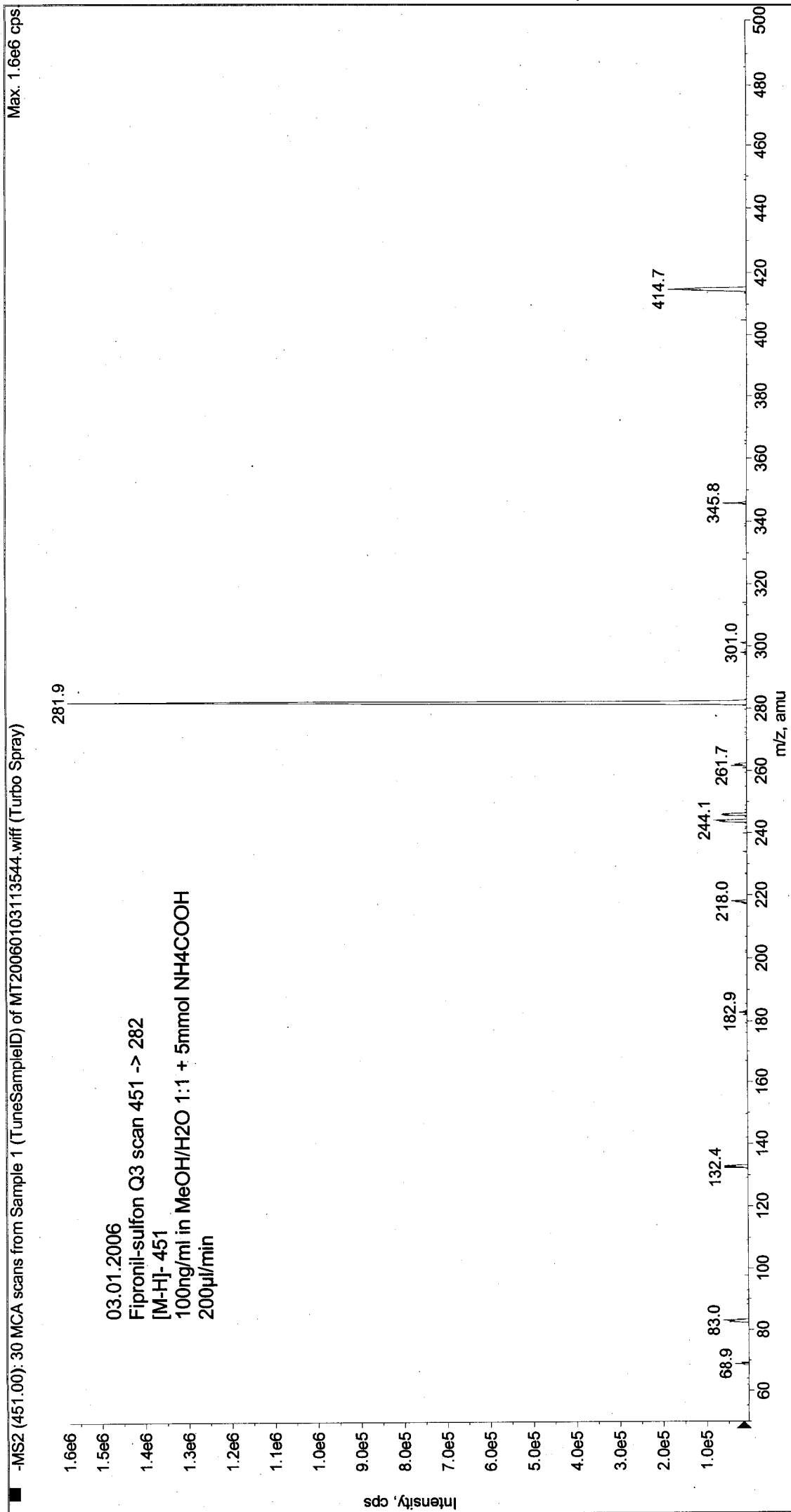
Acq. Date: Tuesday, January 03, 2006

Acq. File: MT20060103113544.wiff

Sample Comment:

Sample Name: TuneSampleID

Batch Name: ManualTune.bat



Printing Time: 11:38:31

Printing Date: Tuesday, January 03, 2006

Acq. Time: 11:37

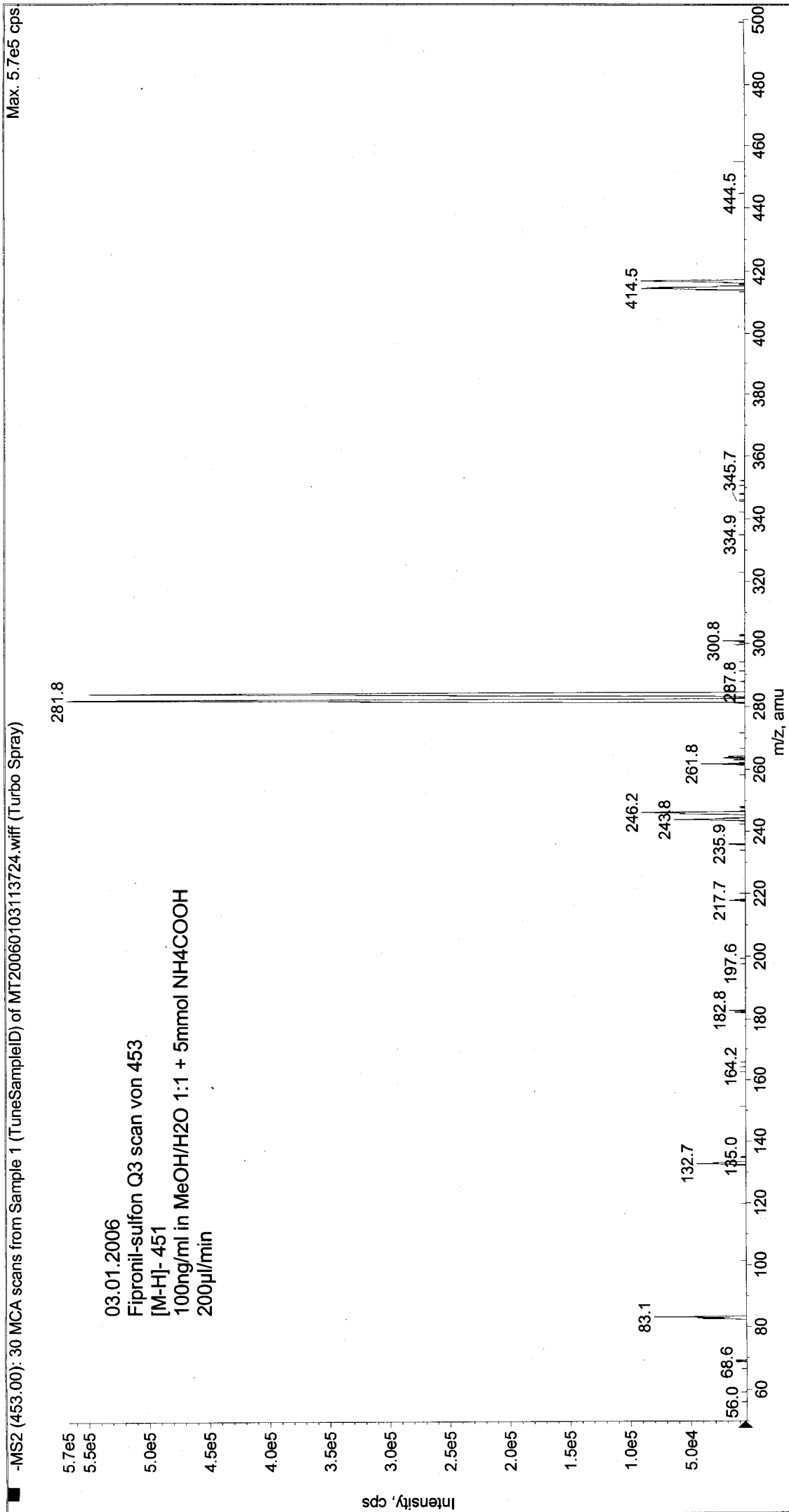
Acq. Date: Tuesday, January 03, 2006

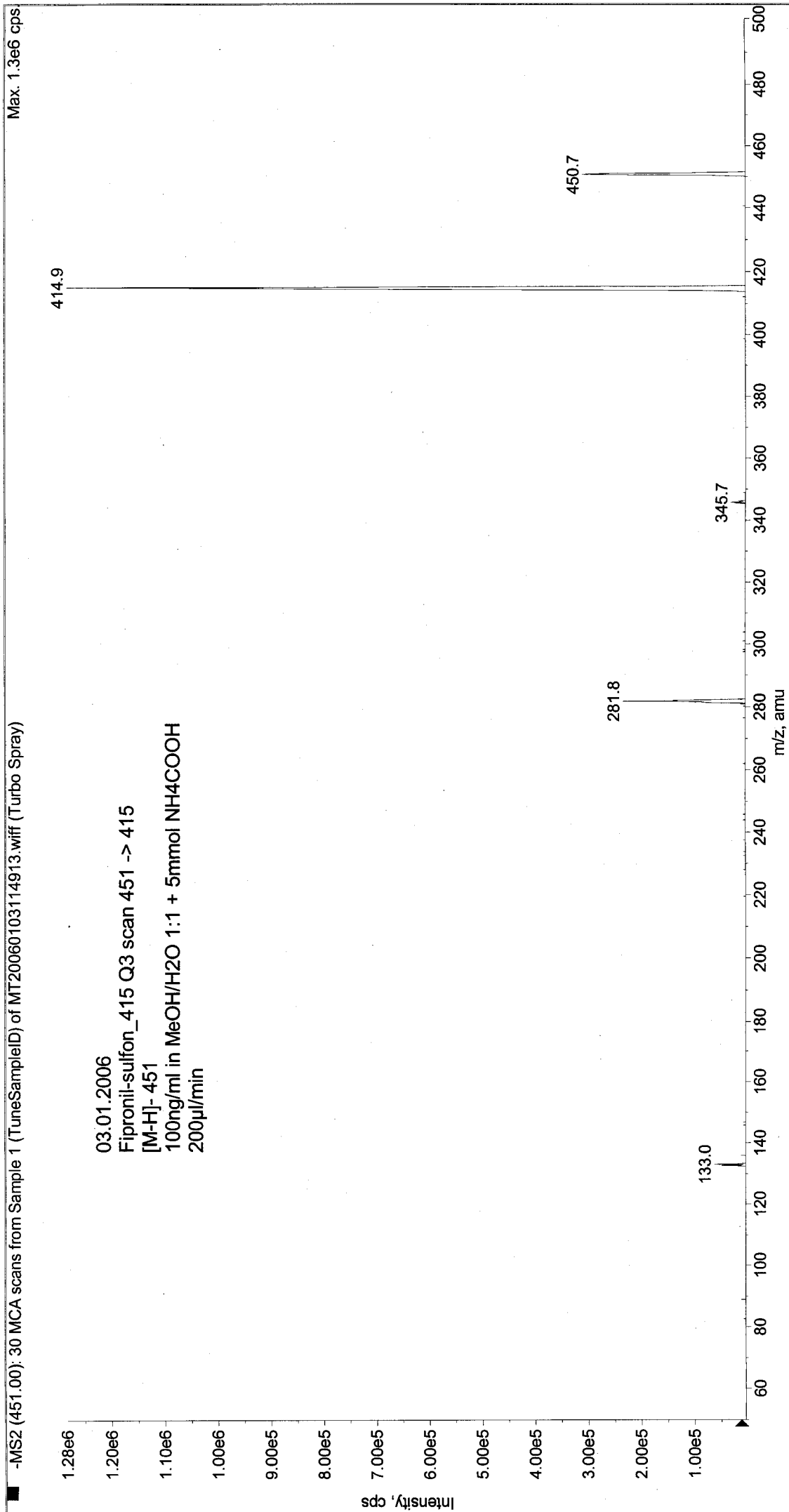
Acq. File: MT20060103113724.wiff

Sample Comment:

Sample Name: TuneSampleID

Batch Name: ManualTune.bat





Printing Time: 11:52:29

Printing Date: Tuesday, January 03, 2006

Acq. Time: 11:51

Acq. Date: Tuesday, January 03, 2006

Acq. File: MT20060103115124.wiff

Sample Comment:

Sample Name: TuneSampleID

Batch Name: ManualTune.bat

