

**BfR**

Risiken erkennen – Gesundheit schützen

## MS/MS Parameters of Pesticides

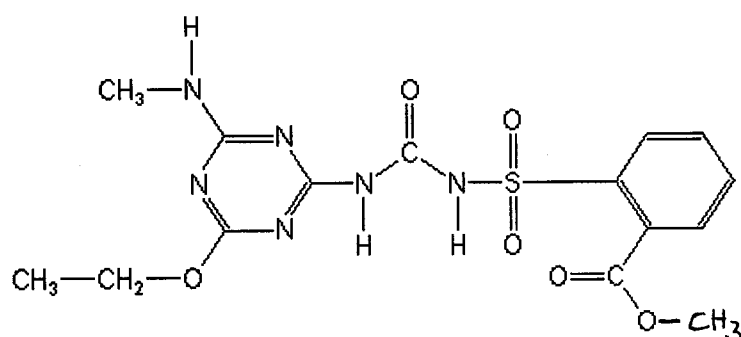
### Analyte: Ethametsulfuron-methyl

CAS No.: 97780-06-8

Formula: C<sub>15</sub>H<sub>18</sub>N<sub>6</sub>O<sub>6</sub>S

Molecular mass (lowest isotopes): 410,10 amu

Structure:



Ionisation: ESI +

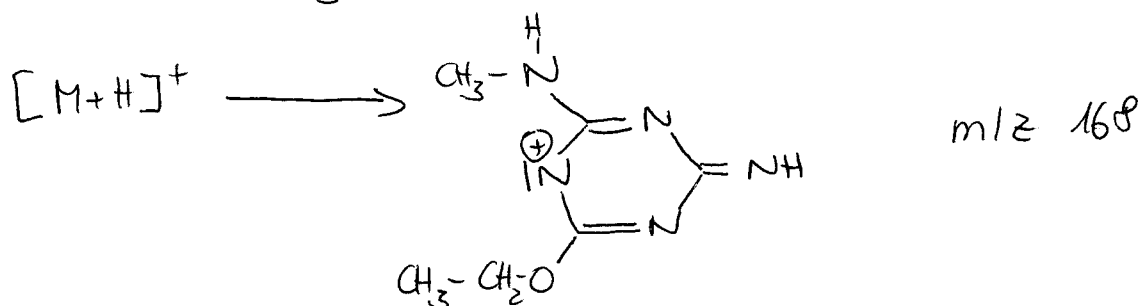
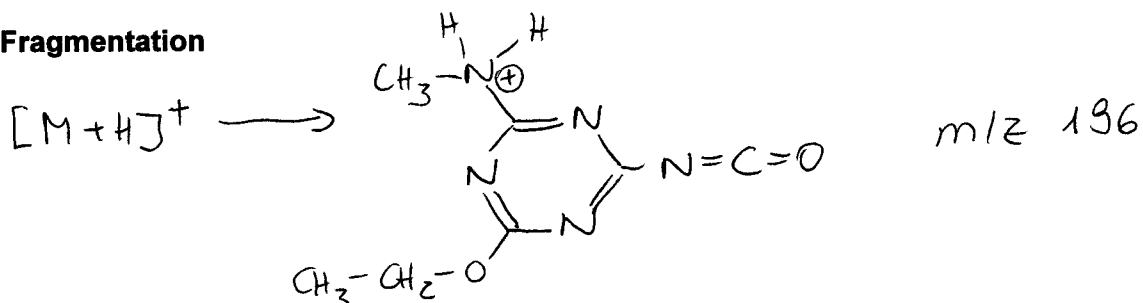
Quasimolecular ion: 411,1 amu = [M+H]<sup>+</sup>

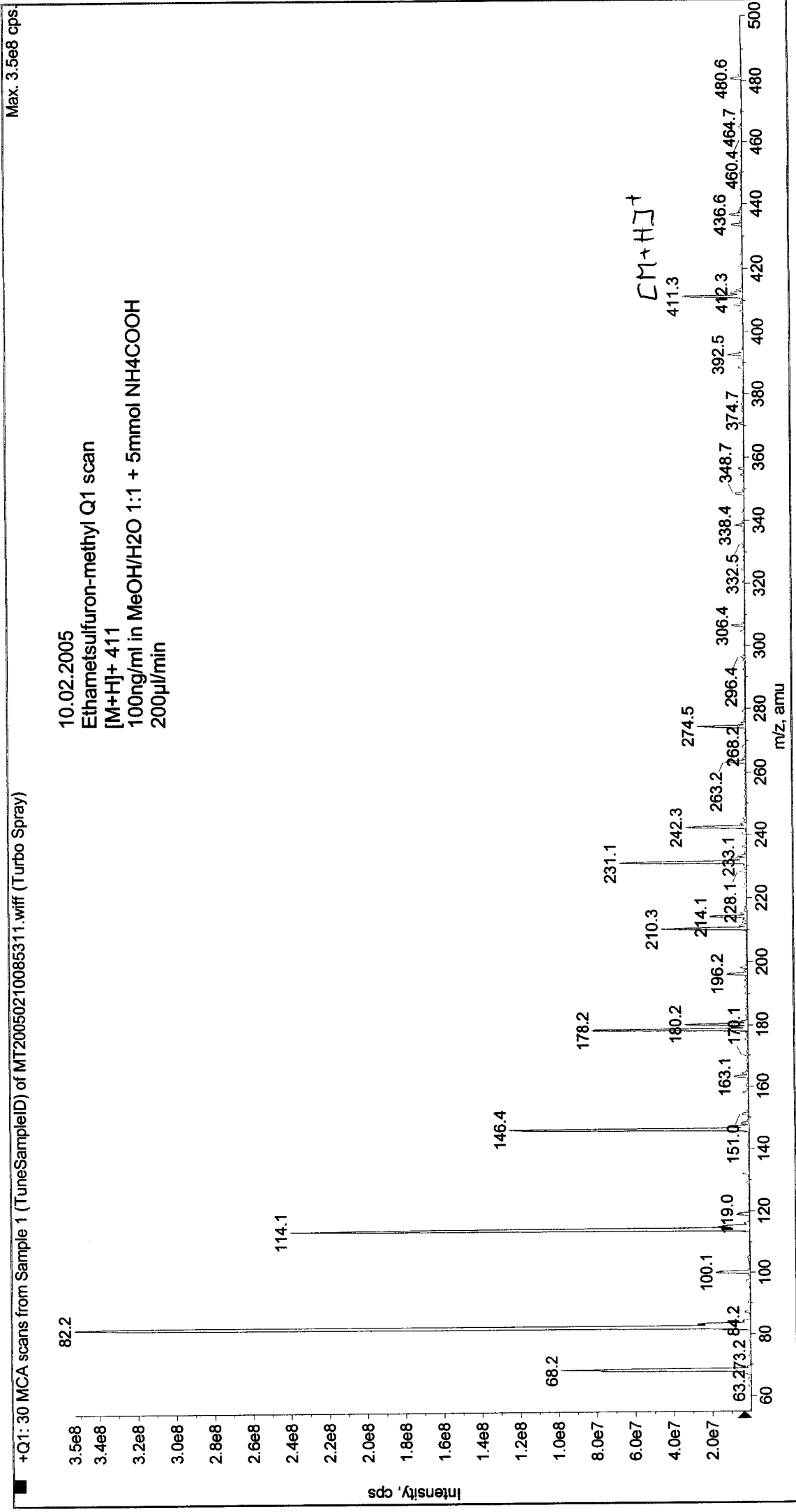
Analyte sensitive parameter set (API 2000)

Transition	411,1 → 196,1	411,1 → 168,1
Declustering potential (DP) <sup>*)</sup>	24V	24 V
Focusing potential (FP)	370 V	370 V
Entrance potential (EP)	11 V	11,5 V
Collision cell entrance potential (CEP)	24 V	22 V
Collision energy (CE)	23 V	39 V
Collision cell exit potential (CXP)	10 V	8 V

<sup>\*)</sup> For API 3000 and 4000 enhance DP by 20V

### Fragmentation





Printing Time: 10:15:49

Printing Date: Thursday, February 10, 2005

Acq. Time: 10:14

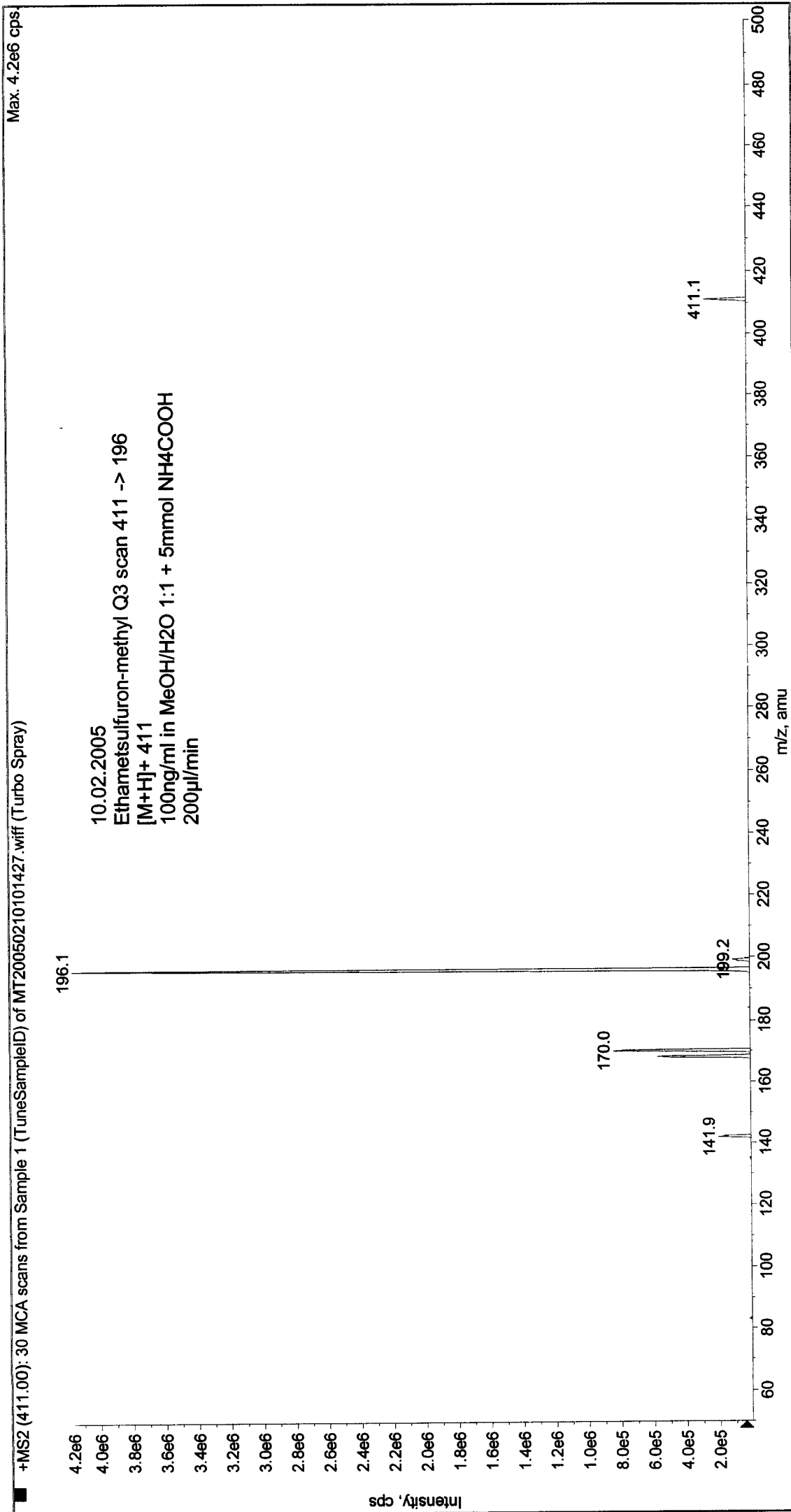
Acq. Date: Thursday, February 10, 2005

Acq. File: MT20050210101427.wiff

Sample Comment:

Sample Name: TuneSampleID

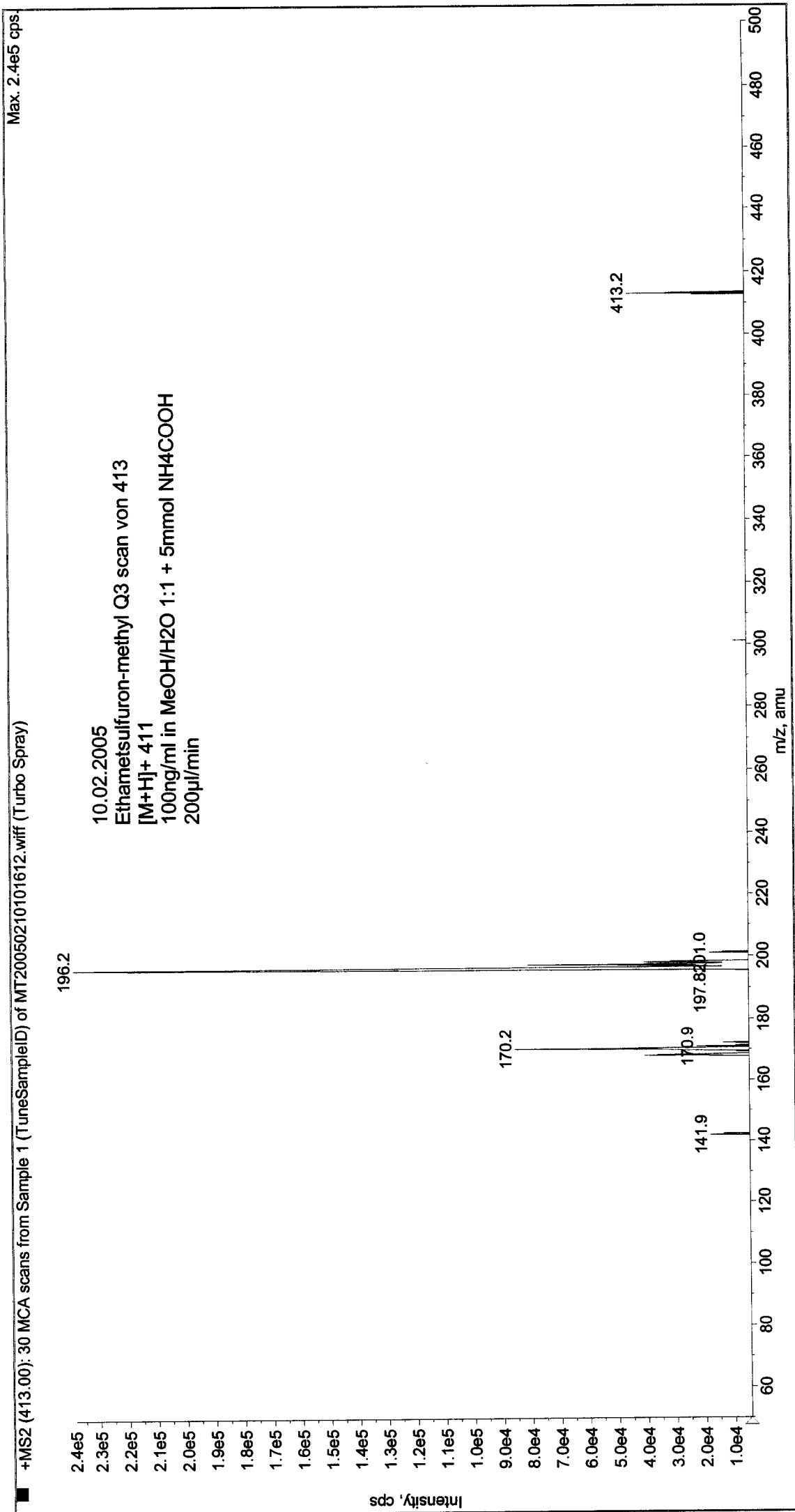
Batch Name: ManualTune.bat



Acq. time: 10:16  
Acq. Date: Thursday, February 10, 2005

**FINANCING TIME:** 10:17:00  
**Printing Date:** Thursday, February 10, 2005

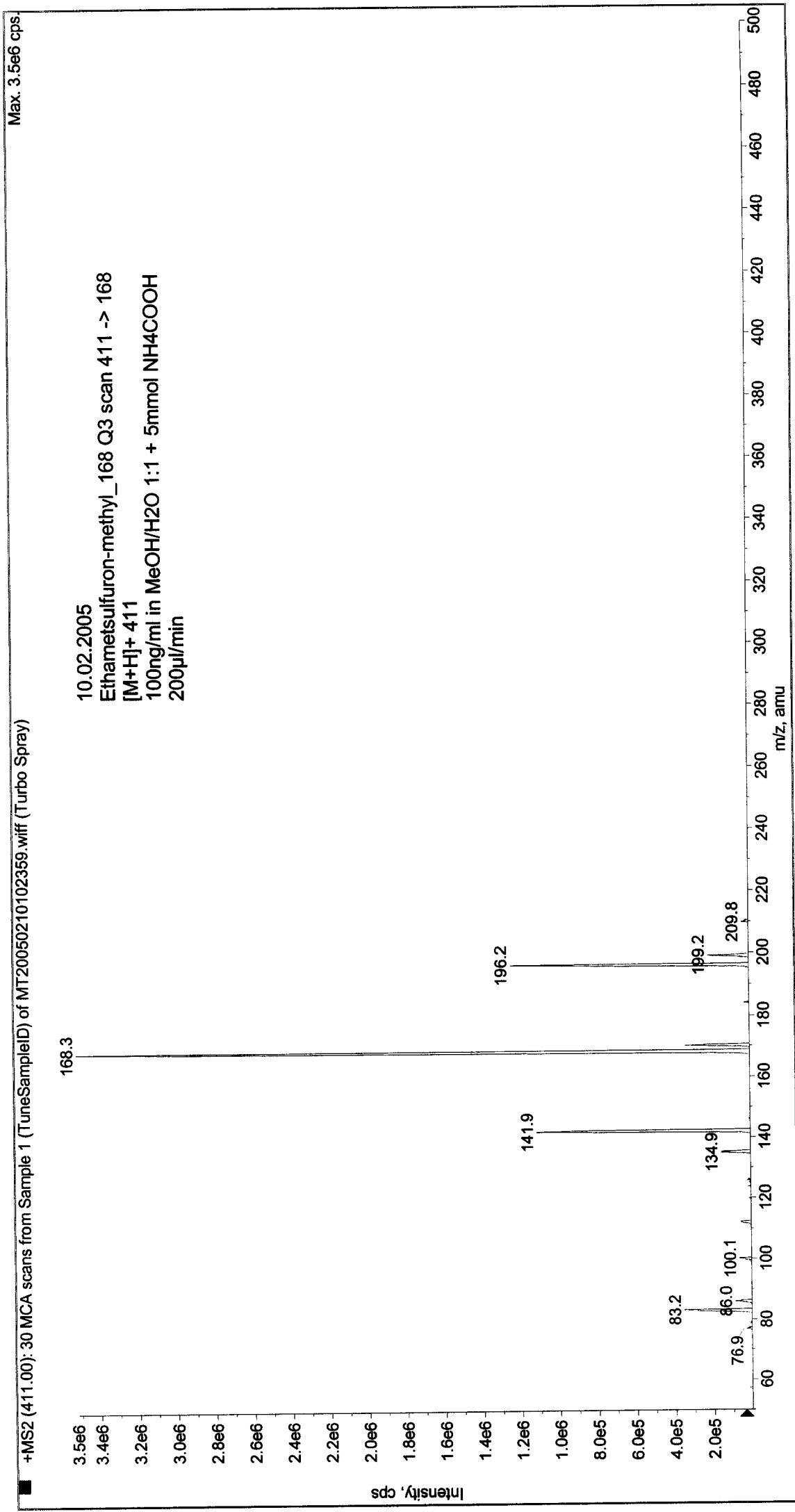
Sample Comment:  
Sample Name: TuneSampleID  
Batch Name: ManualTune.bat



Printing Time: 10:25:09  
Printing Date: Thursday, February 10, 2005

Acq. Time: 10:23  
Acq. Date: Thursday, February 10, 2005  
Acq. File: MT20050210102359.wiff

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



Printing Time: 10:26:22

Printing Date: Thursday, February 10, 2005

Acq. Time: 10:25

Acq. Date: Thursday, February 10, 2005

Acq. File: MT20050210102524.wiff

Sample Comment:

Sample Name: TuneSampleID

Batch Name: ManualTune.bat

Max. 2.0e5 cps.

+MS2 (413.00): 30 MCA scans from Sample 1 (TuneSampleID) of MT20050210102524.wiff (Turbo Spray)

10.02.2005  
Ethametsulfuron-methyl\_168 Q3 scan von 413  
[M+H]<sup>+</sup> 411  
100ng/ml in MeOH/H<sub>2</sub>O 1:1 + 5mmol NH<sub>4</sub>COOH  
200µl/min

