

**BfR**

Risiken erkennen – Gesundheit schützen

## MS/MS Parameters of Pesticides

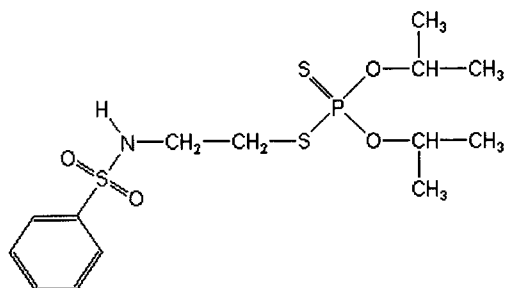
### Analyte: Bensulide

CAS No.: 741-58-2

Formula: C<sub>14</sub>H<sub>24</sub>NO<sub>4</sub>PS<sub>3</sub>

Molecular mass (lowest isotopes): 397,06 amu

Structure:



Ionisation: ESI +

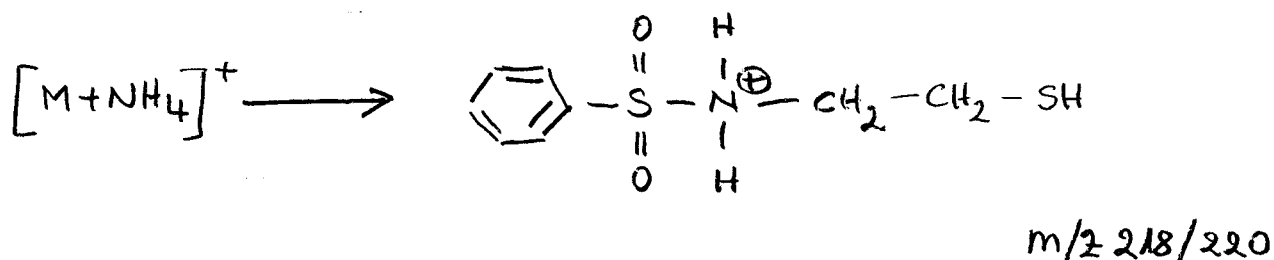
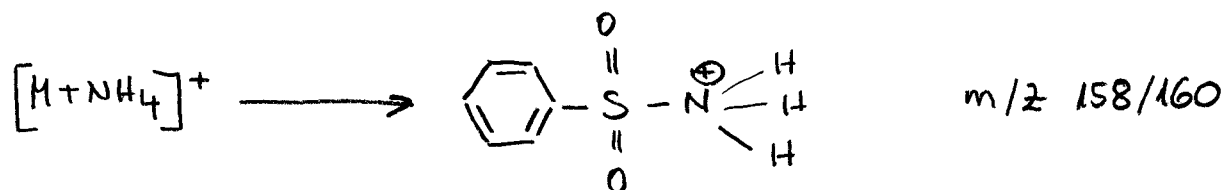
Quasimolecular ion: 415,1 amu = [M+NH<sub>4</sub>]<sup>+</sup>

Analyte sensitive parameter set (API 2000)

Transition	415,1 → 158,0	415,1 → 218,1
Declustering potential (DP) <sup>*)</sup>	36 V	36 V
Focusing potential (FP)	370 V	340 V
Entrance potential (EP)	8,0 V	9,5 V
Collision cell entrance potential (CEP)	22 V	24 V
Collision energy (CE)	35 V	27 V
Collision cell exit potential (CXP)	8 V	10 V

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

### Fragmentation



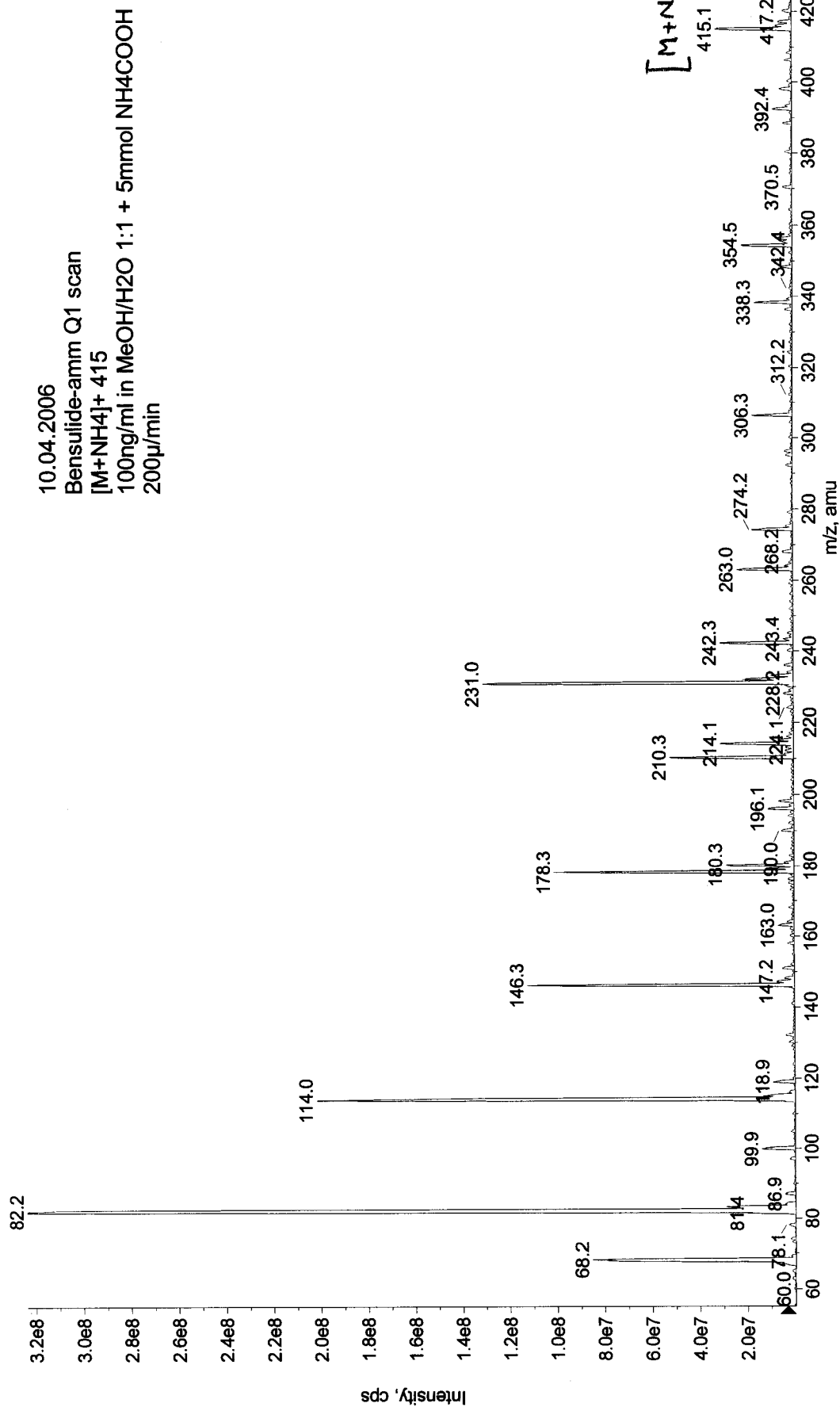
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Printing Date: Monday, April 10, 2006

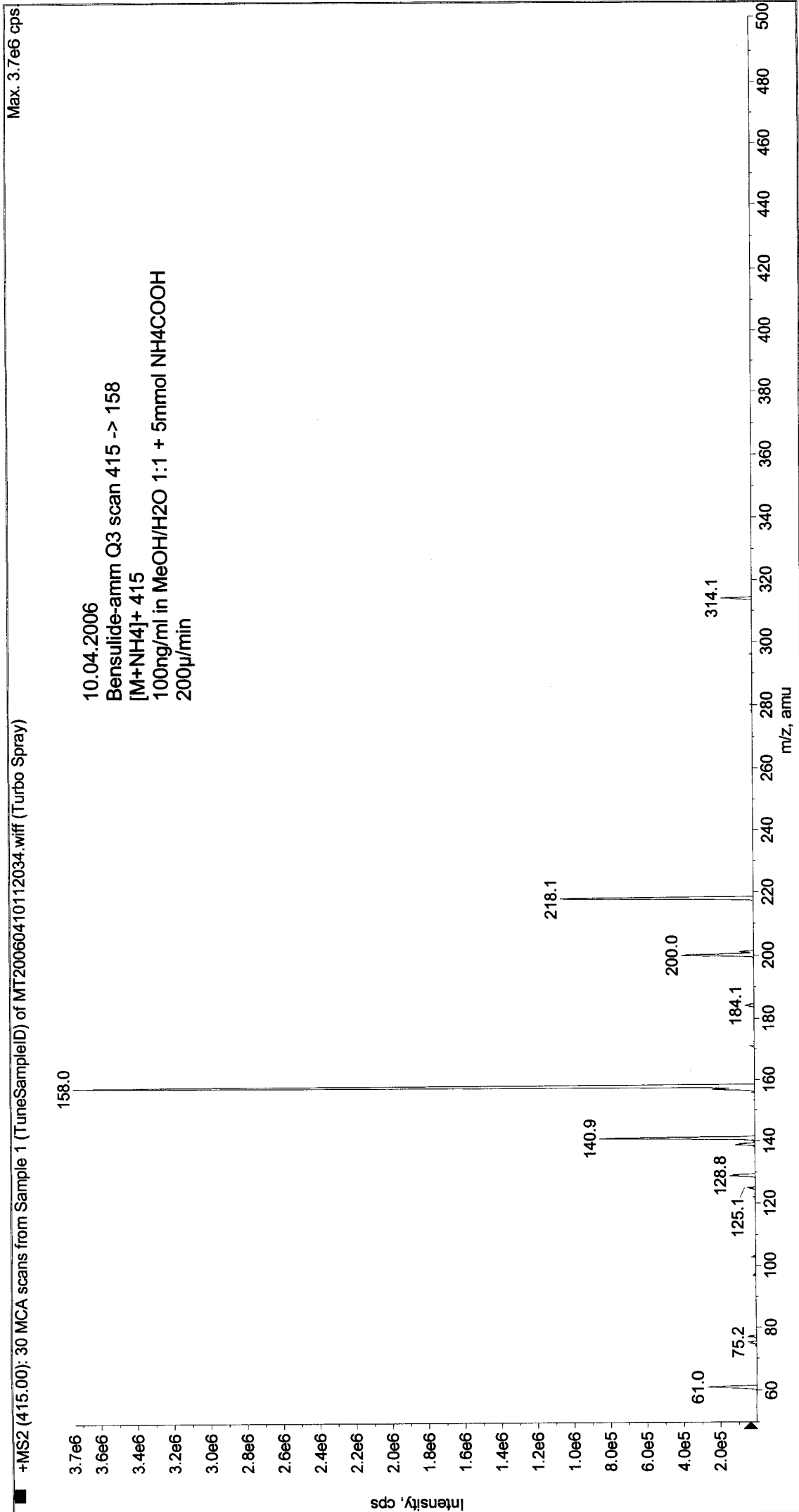
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Acq. Date: Monday, April 10, 2006  
Acq. File: MT20060410111556.wiff

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

+Q1: 30 MCA scans from Sample 1 (TuneSampleID) of MT20060410111556.wiff (Turbo Spray)

Max. 3.2e8 cps

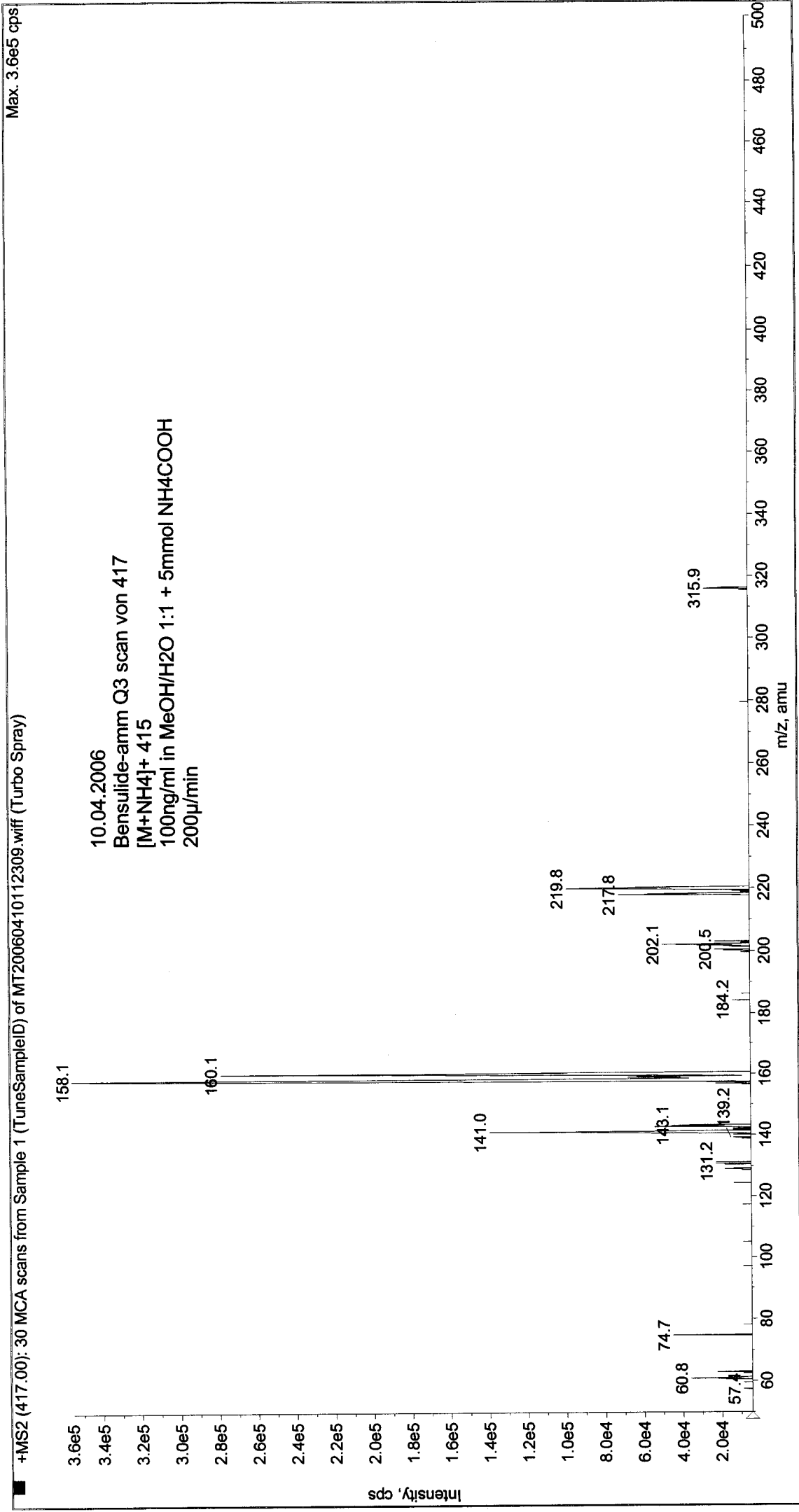




Printing Time: 11:24:18  
Printing Date: Monday, April 10, 2006

Acq. Time: 11:23  
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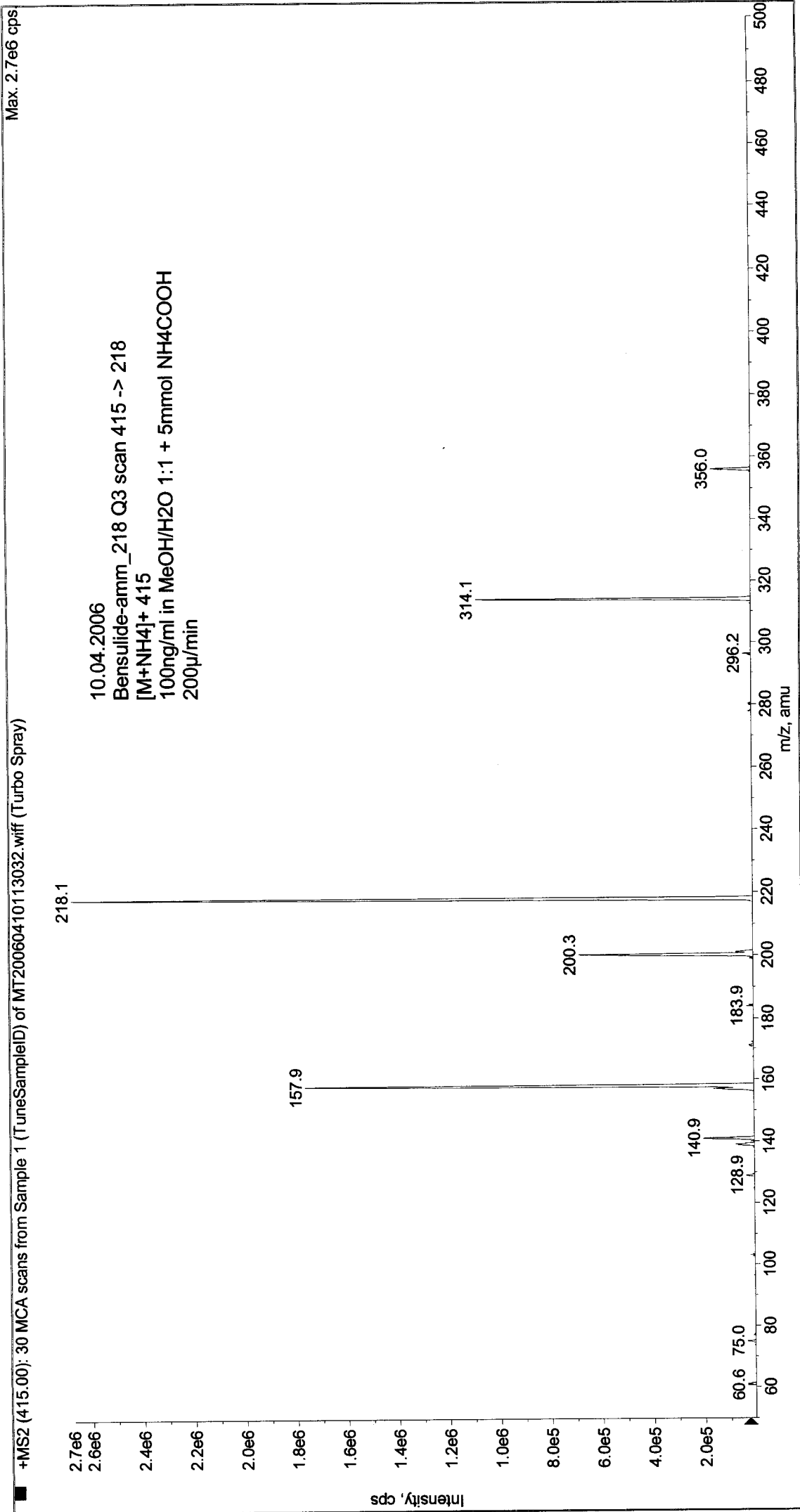
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Batch Name: ManualTune.bat



Printing Time: 11:33:33  
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Acq. Time: 11:32  
Acq. Date: Monday, April 10, 2006  
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Sample Comment:  
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Batch Name: ManualTune.bat

