

## MS/MS Parameters of Pesticides

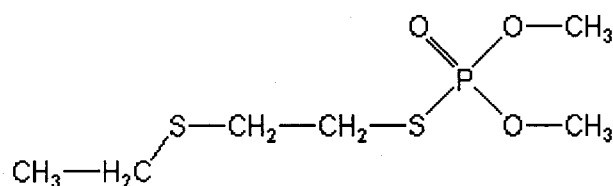
### Analyte: Demeton-S-methyl

CAS No.: 919-86-8

Formula: C<sub>6</sub>H<sub>15</sub>O<sub>3</sub>PS<sub>2</sub>

Molecular mass (lowest isotopes): 230,02 amu

Structure:



Ionisation: ESI +

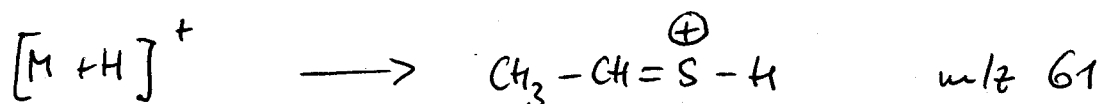
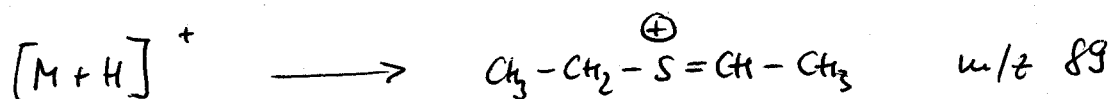
Quasimolecular ion: 248,0 amu = [M+NH<sub>4</sub>]<sup>+</sup>

Analyte sensitive parameter set (API 2000)

Transition	248,0 → 89,1	248,0 → 61,0
Declustering potential (DP) <sup>*)</sup>	4 V	4 V
Focusing potential (FP)	360 V	360 V
Entrance potential (EP)	6,5 V	7,0 V
Collision cell entrance potential (CEP)	14 V	14 V
Collision energy (CE)	17 V	47 V
Collision cell exit potential (CXP)	4 V	8 V

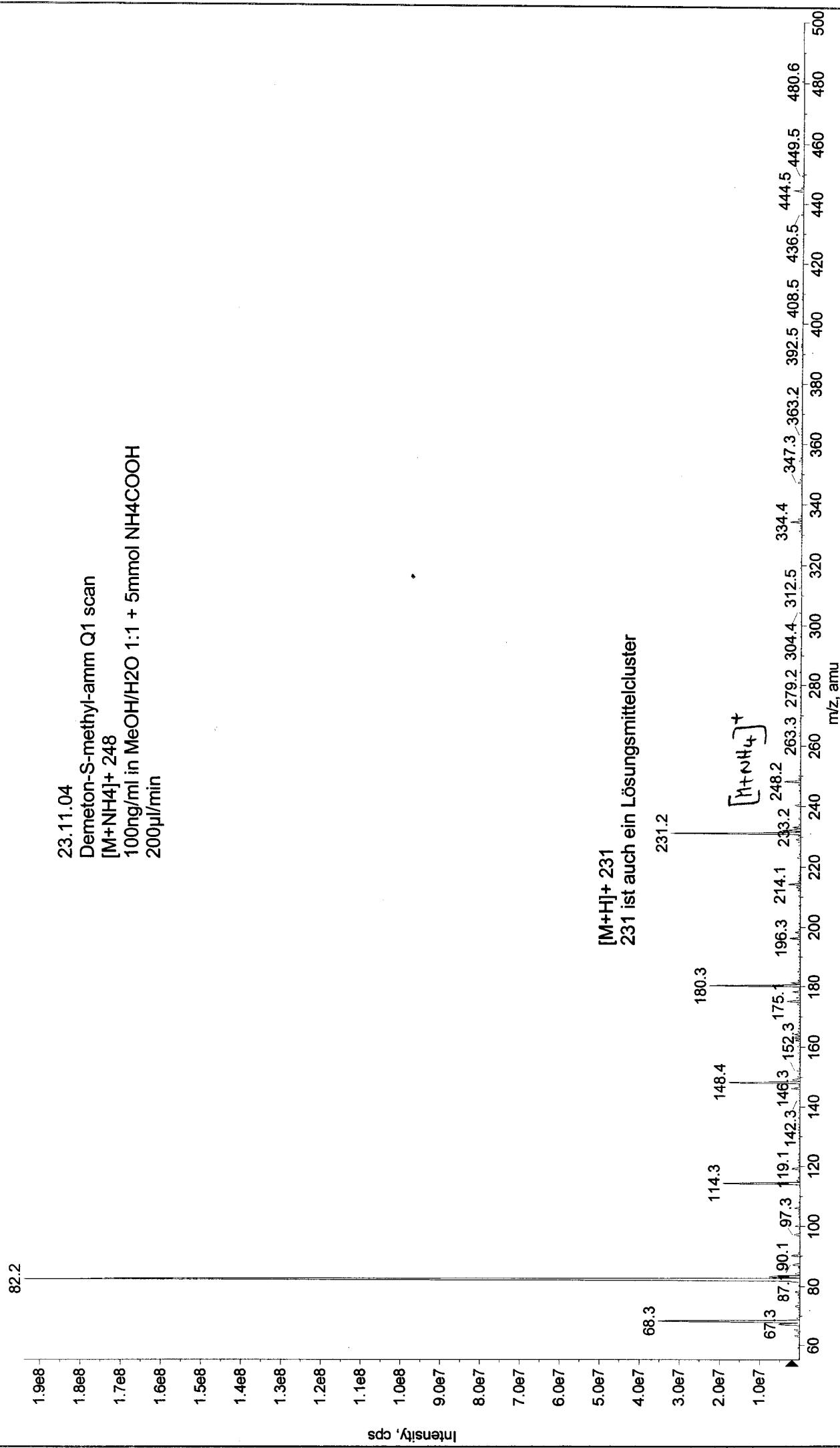
<sup>\*)</sup> For API 3000 and 4000 enhance DP by 20V

### Fragmentation



Max. 1.9e8 cps

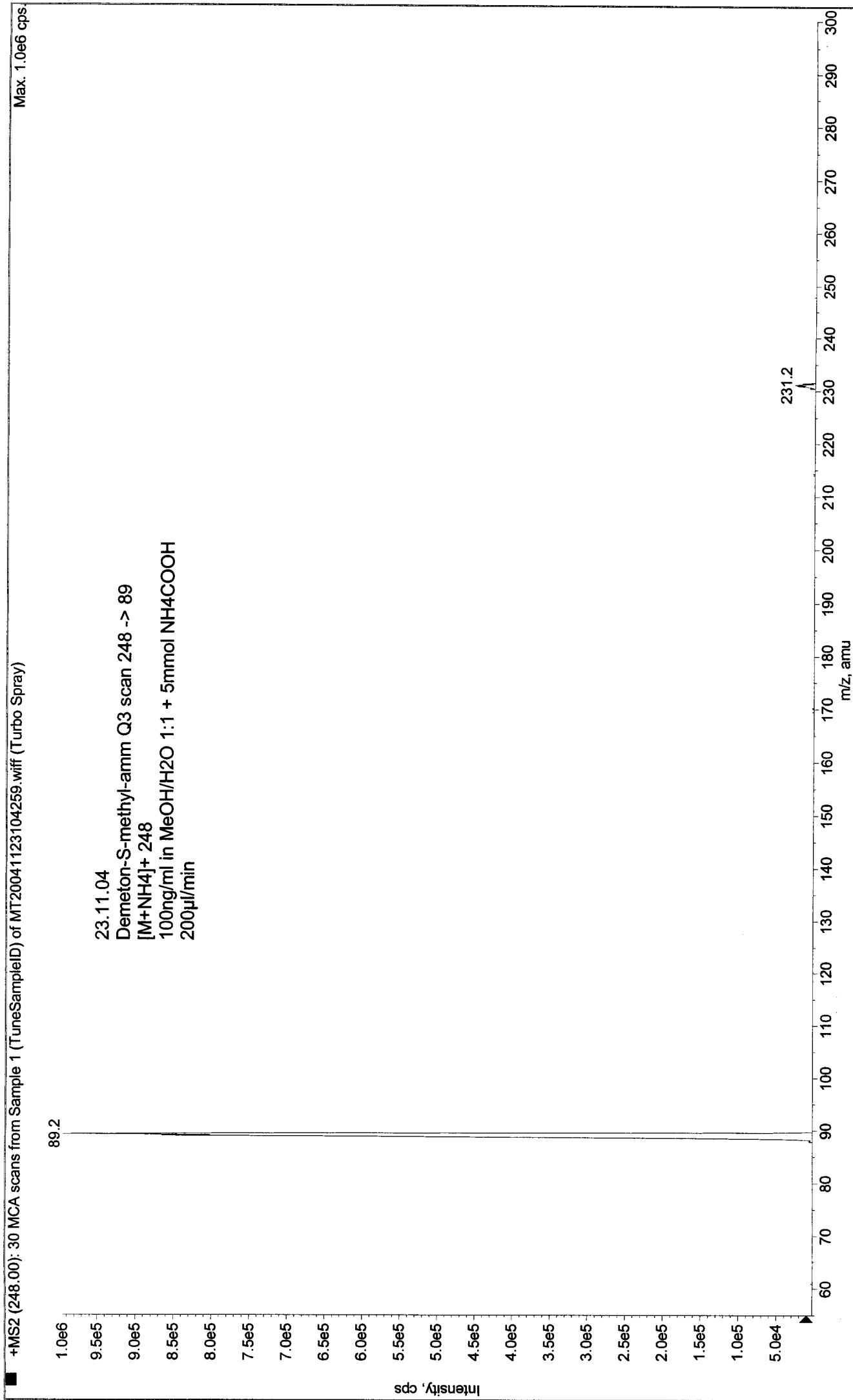
+Q1: 30 MCA scans from Sample 1 (TuneSampleID) of MT20041123103809.wiff (Turbo Spray)



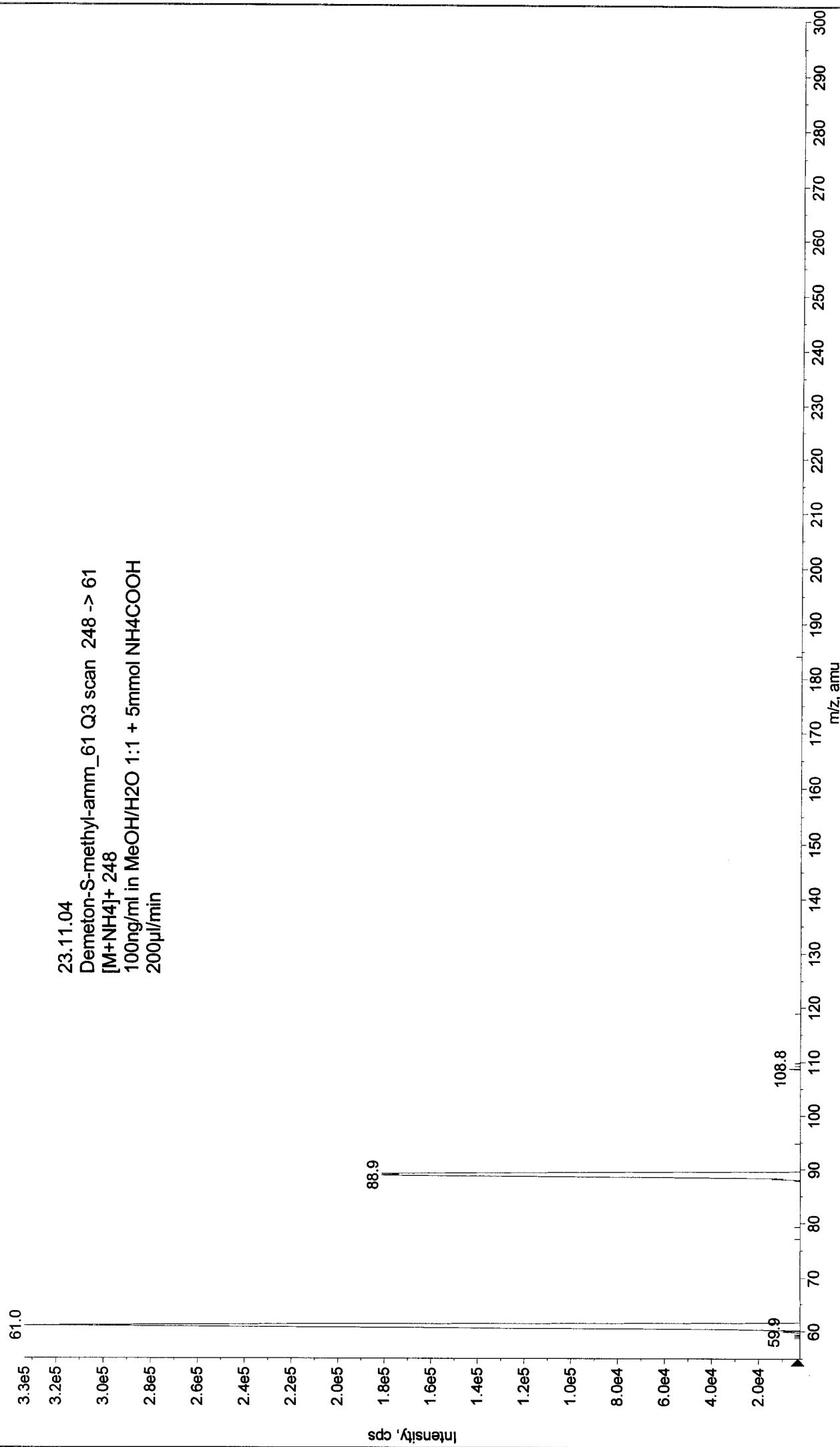
Printing Time: 10:50:34  
Printing Date: Tuesday, November 23, 2004

Acq. Time: 10:43  
Acq. Site: Tuesday, November 23, 2004  
Acq. File: MT20041123104259.wiff

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



+MS2 (248.00): 30 MCA scans from Sample 1 (TuneSampleID) of MT20041123113523.wiff (Turbo Spray) Max. 3.3e5 cps



23.11.04  
 Demeton-S-methyl-amm\_61 Q3 scan 248 -> 61  
 [M+NH4]<sup>+</sup> 248  
 100ng/ml in MeOH/H2O 1:1 + 5mmol NH4COOH  
 200µl/min