

**BfR**

Risiken erkennen – Gesundheit schützen

## MS/MS Parameters of Pesticides

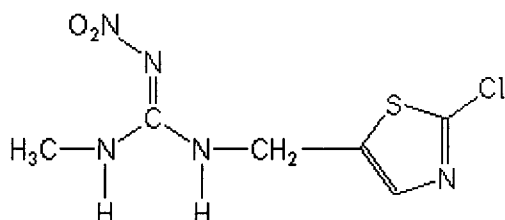
### Analyte: Clothianidin

CAS No.: 210880-92-5

Formula: C<sub>6</sub>H<sub>8</sub>ClN<sub>5</sub>O<sub>2</sub>S

Molecular mass (lowest isotopes): 249,01 amu

Structure:



Ionisation: ESI +

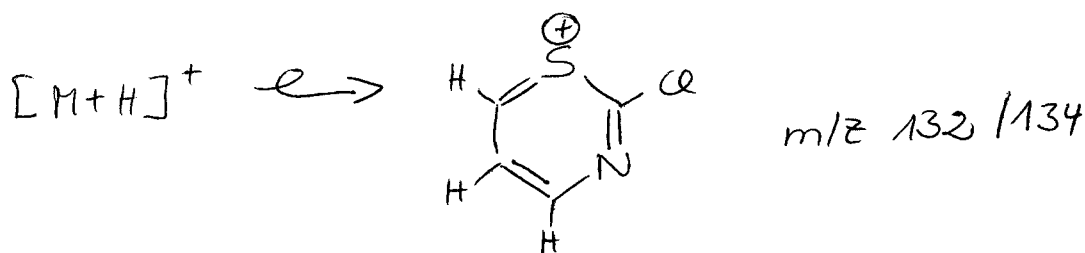
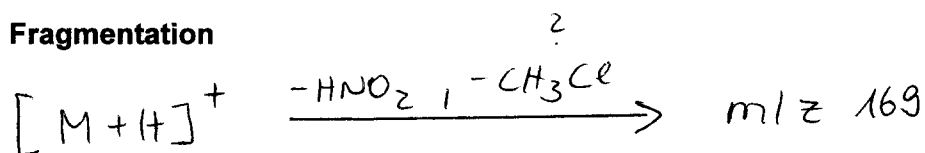
Quasimolecular ion: 250,0 amu = [M+H]<sup>+</sup>

Analyte sensitive parameter set (API 2000)

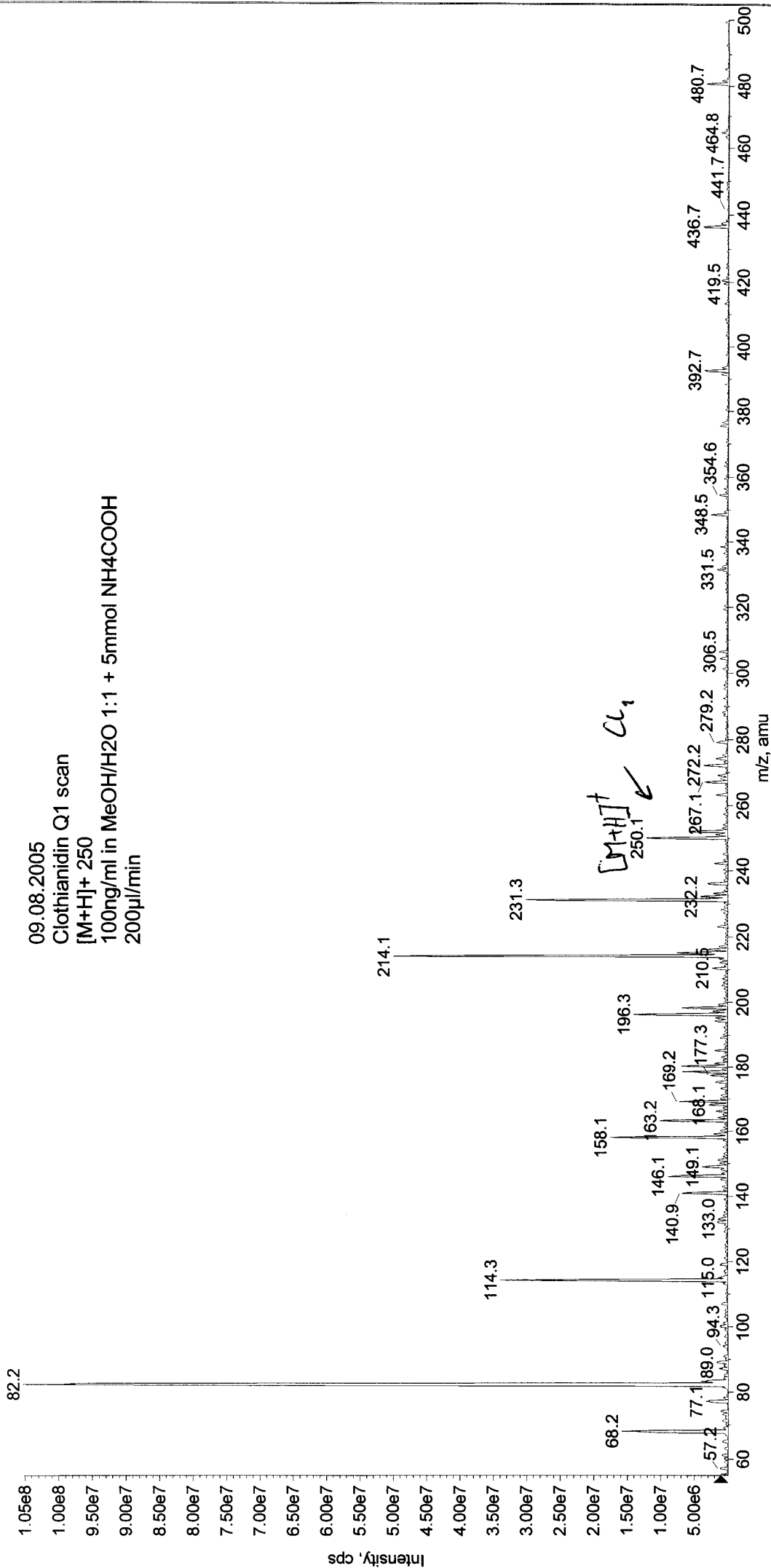
Transition	250,0 → 169,1	250,0 → 132,1
Declustering potential (DP) <sup>*)</sup>	74V	74 V
Focusing potential (FP)	290 V	340 V
Entrance potential (EP)	10,0 V	10,0 V
Collision cell entrance potential (CEP)	16 V	16 V
Collision energy (CE)	19 V	19 V
Collision cell exit potential (CXP)	8 V	6 V

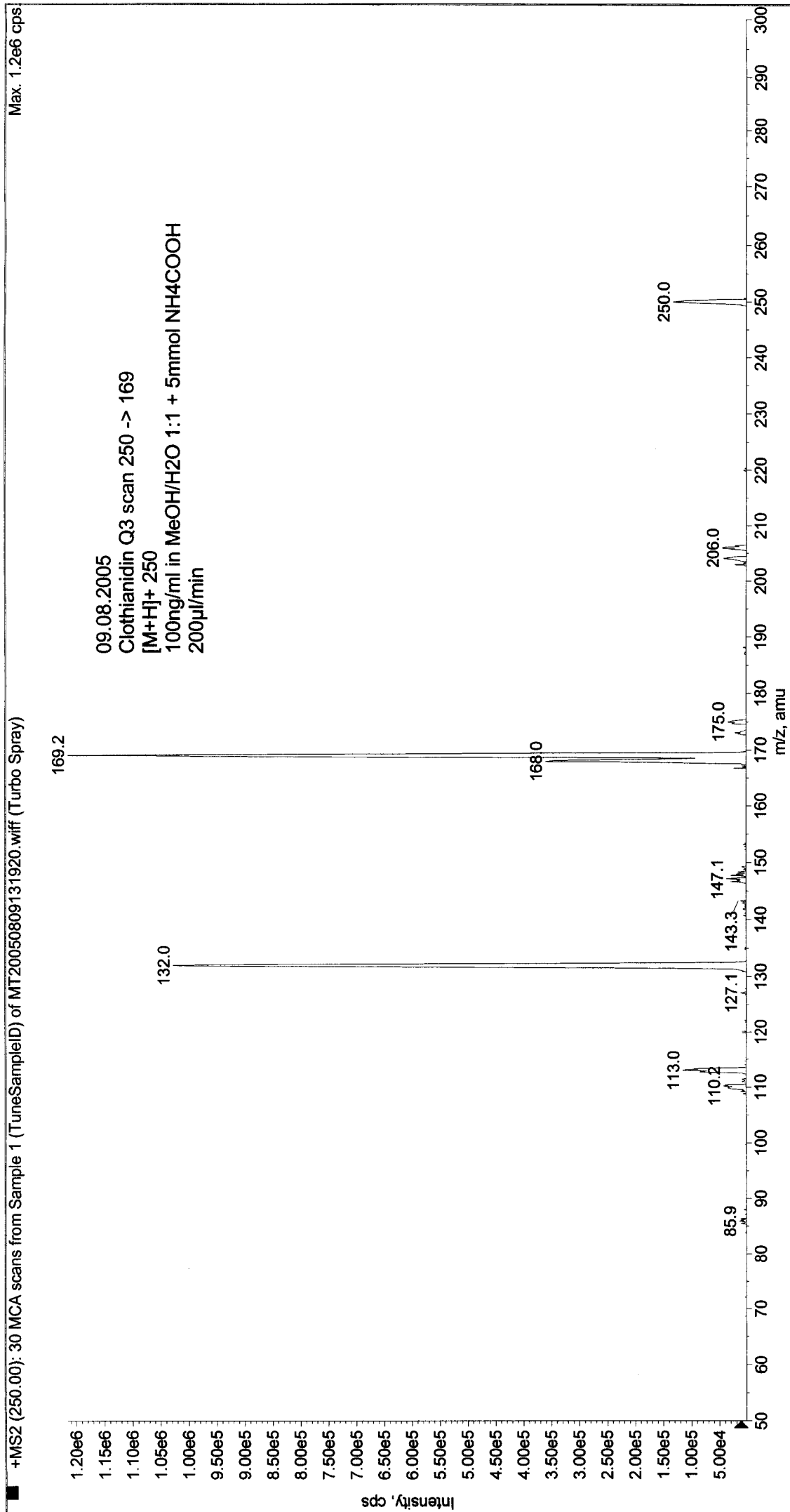
<sup>\*)</sup> For API 3000 and 4000 enhance DP by 20V

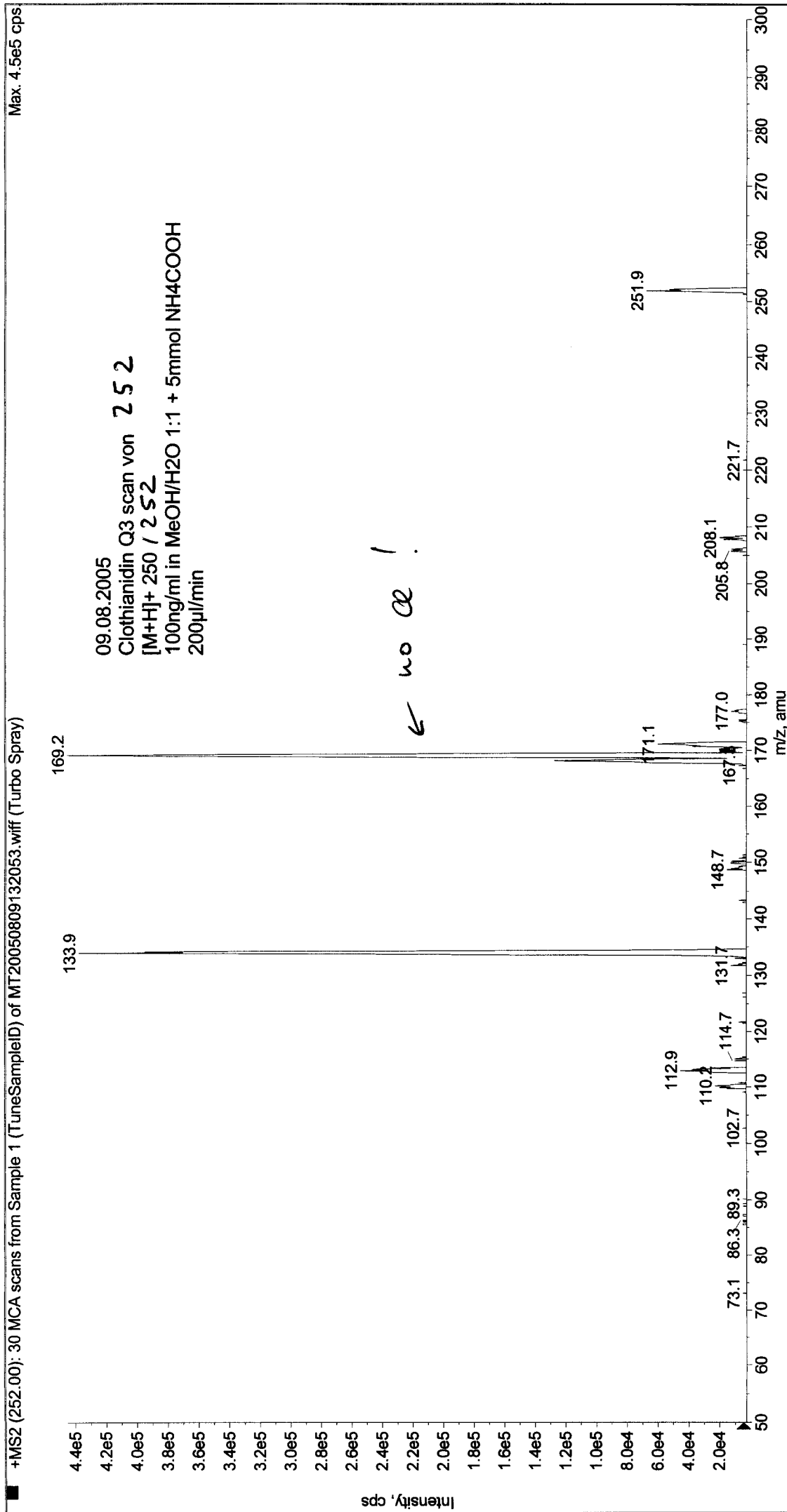
### Fragmentation



+Q1: 30 MCA scans from Sample 1 (TuneSampleID) of MT20050809121103.wiff (Turbo Spray) Max. 1.1e8 cps



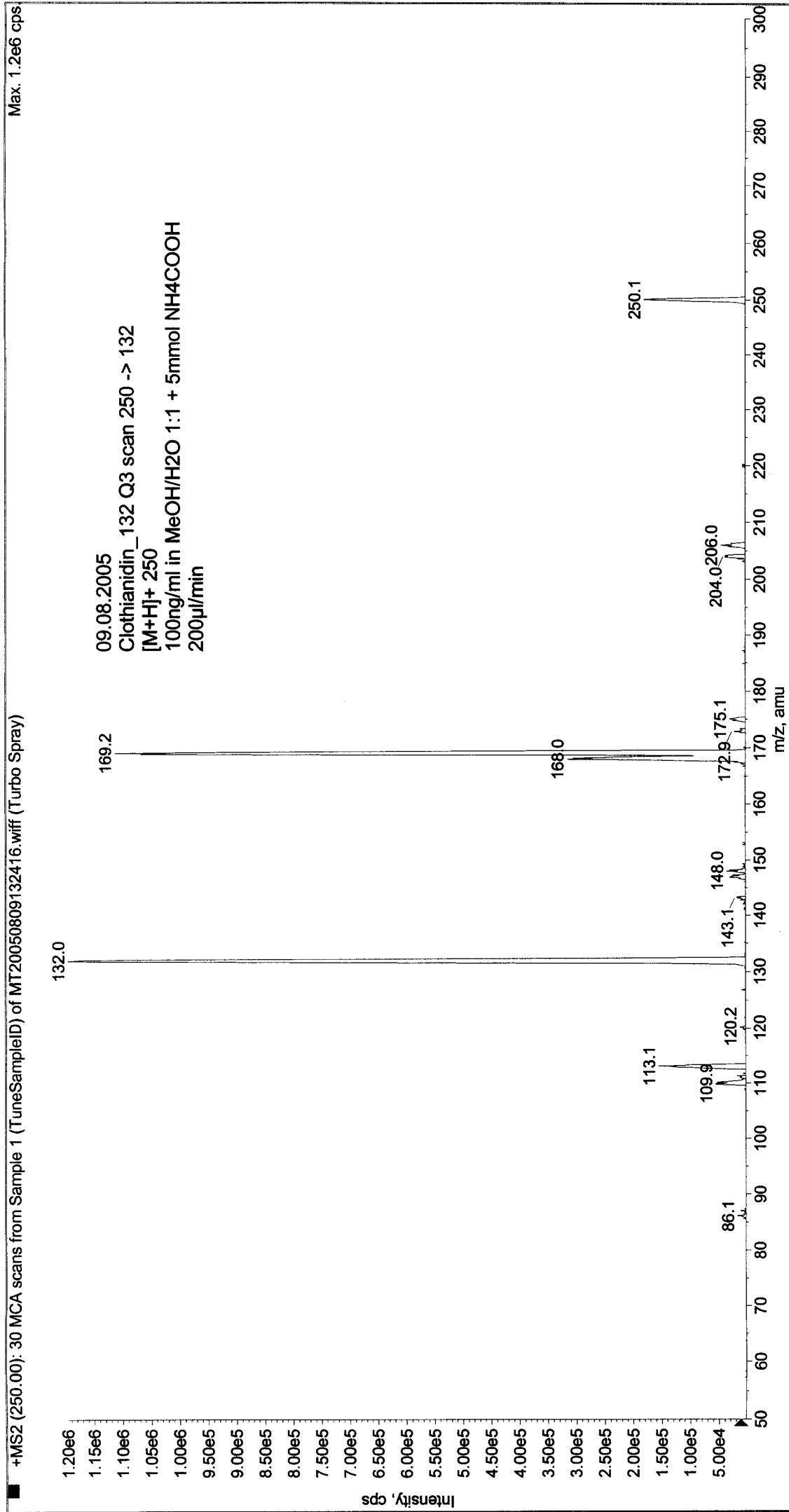




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Printing Date: Tuesday, August 09, 2005

Acq. Time: 13:24  
Acq. Date: Tuesday, August 09, 2005  
Acq. File: MT20050809132416.wiff

Sample Comment:  
Sample Name: TuneSample.ID  
Batch Name: ManualTune.bat



Printing Time: 13:26:29  
Printing Date: Tuesday, August 09, 2005

Acq. Time: 13:25  
Acq. Date: Tuesday, August 09, 2005  
Acq. File: MT20050809132530.wiff

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

