

## MS/MS Parameters of Pesticides

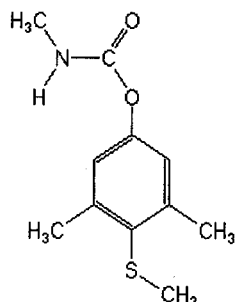
### Analyte: Methiocarb

CAS No.: 2032-65-7

Formula: C<sub>11</sub>H<sub>15</sub>NO<sub>2</sub>S

Molecular mass (lowest isotopes): 225,08 amu

Structure:



Ionisation: ESI +

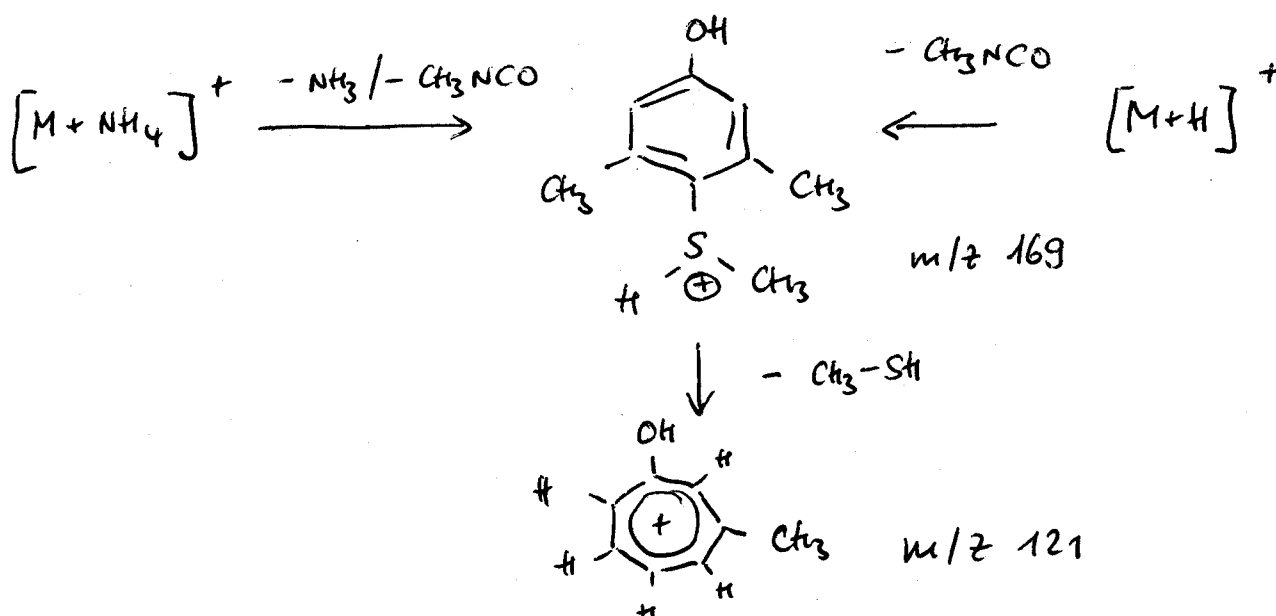
Quasimolecular ion: 226,1 amu = [M+H]<sup>+</sup>

Analyte sensitive parameter set (API 2000)

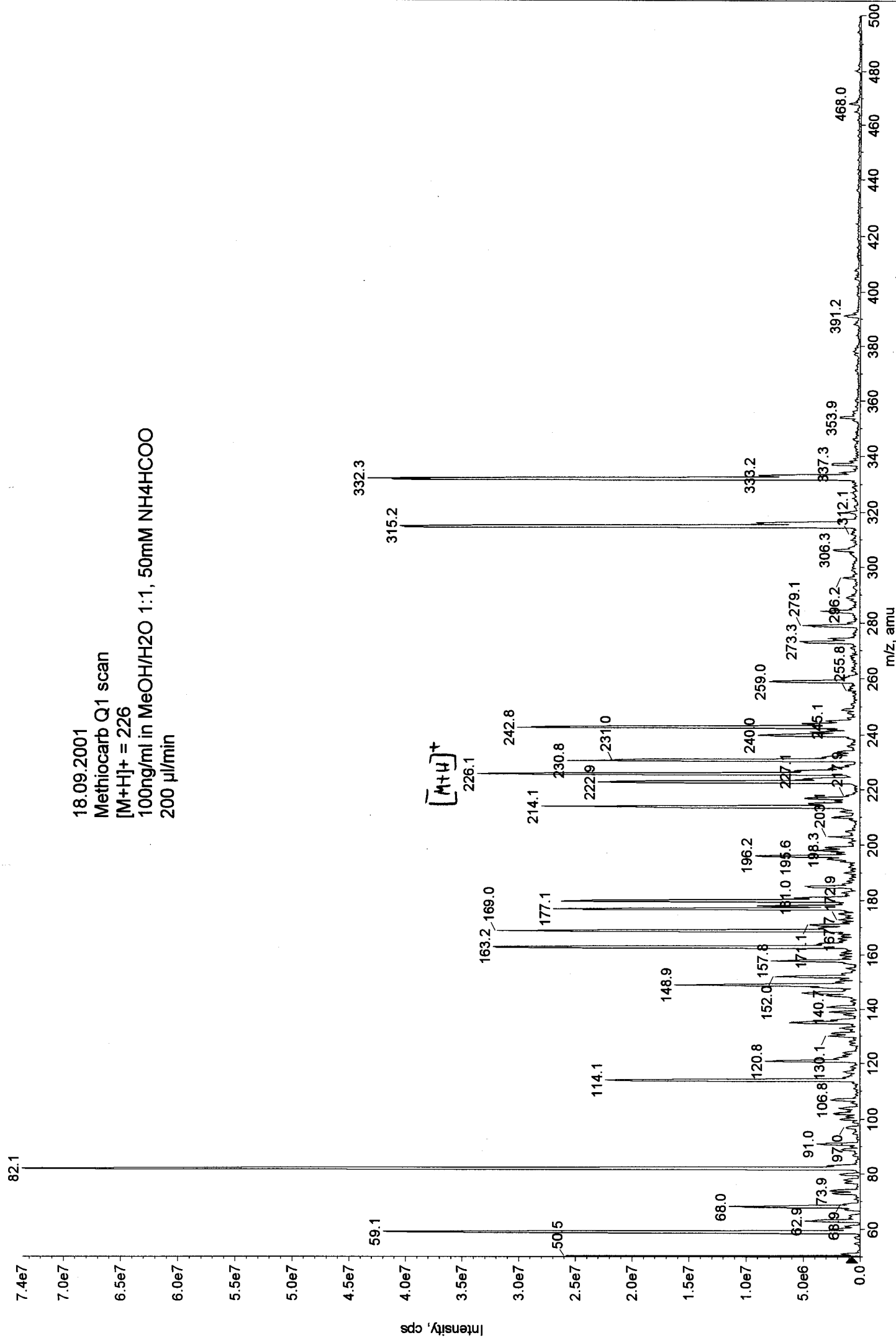
Transition	226,1 → 121,0	243,1 → 169,0
Declustering potential (DP) <sup>*)</sup>	63 V	63 V
Focusing potential (FP)	360 V	360 V
Entrance potential (EP)	10,5 V	10,0 V
Collision cell entrance potential (CEP)	16 V	14 V
Collision energy (CE)	25 V	17 V
Collision cell exit potential (CXP)	6 V	8 V

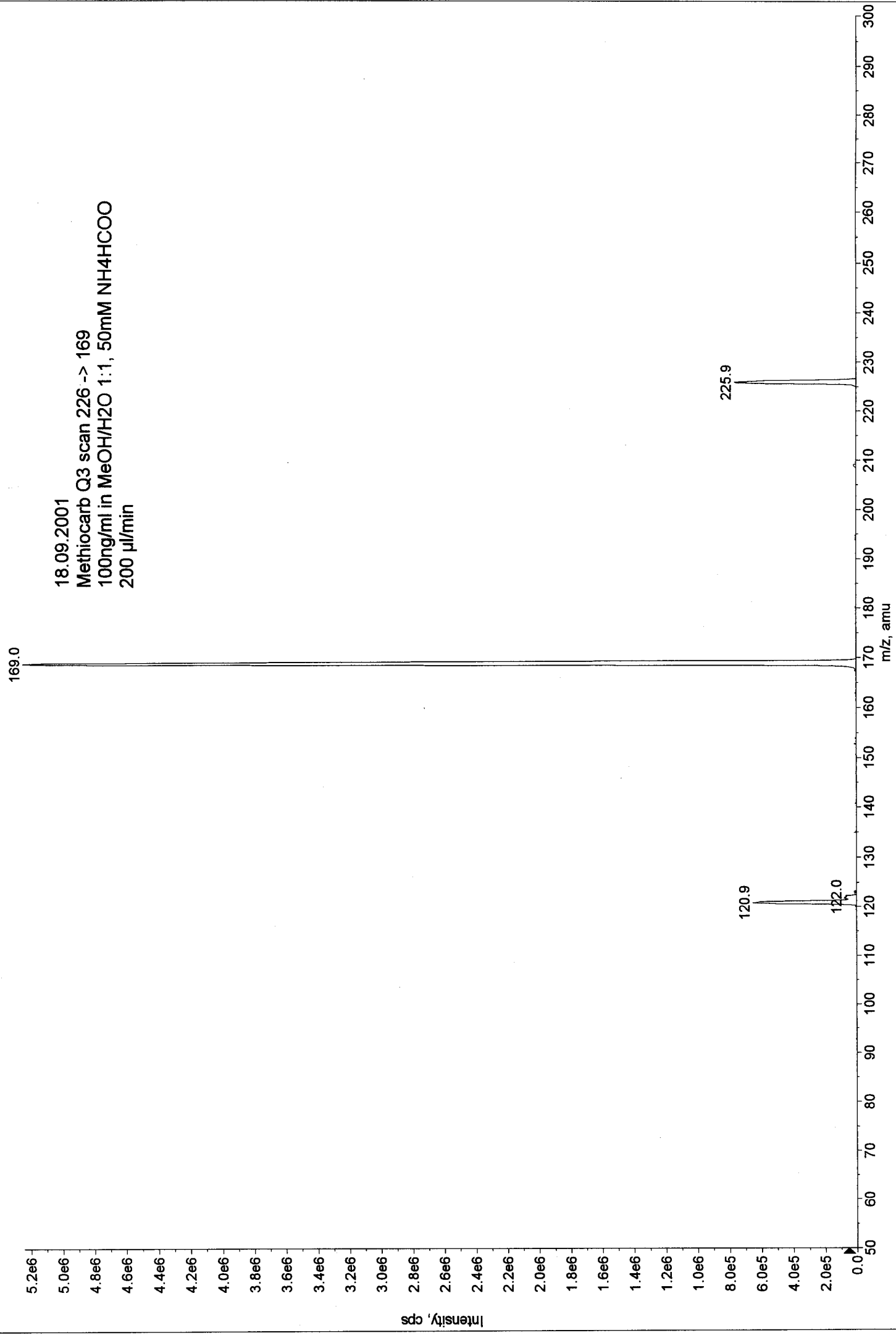
<sup>\*)</sup> For API 3000 and 4000 enhance DP by 20V

### Fragmentation



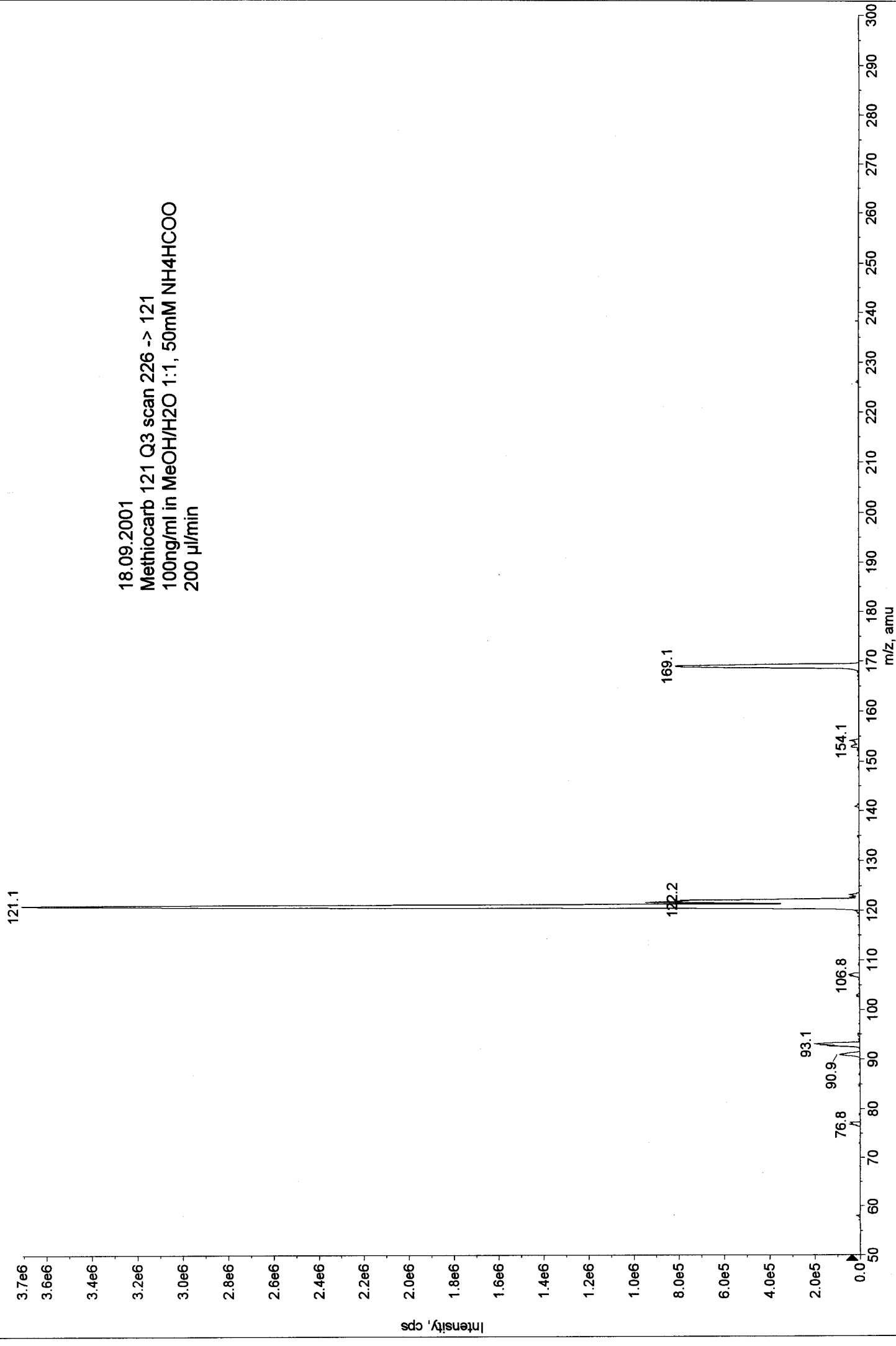
18.09.2001  
Methiocarb Q1 scan  
[M+H]<sup>+</sup> = 226  
100ng/ml in MeOH/H<sub>2</sub>O 1:1, 50mM NH<sub>4</sub>HCOO  
200 µl/min



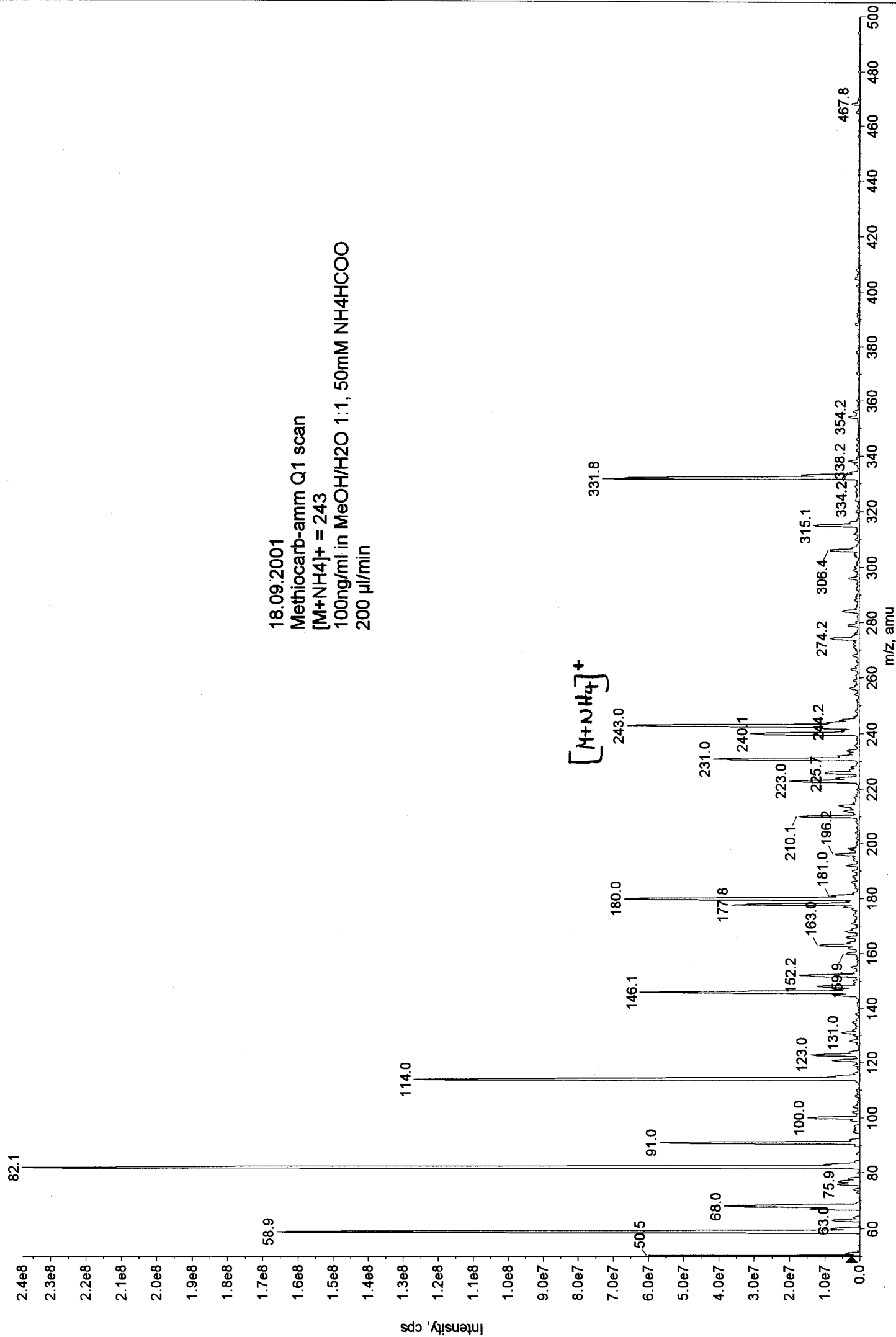


18.09.2001  
Methiocarb Q3 scan 226 -> 169  
100ng/ml in MeOH/H2O 1:1, 50mM NH4HCOO  
200 µl/min

18.09.2001  
Methiocarb 121 Q3 scan 226 -> 121  
100ng/ml in MeOH/H2O 1:1, 50mM NH4HCOO  
200 µl/min



18.09.2001  
Methiocarb-amm Q1 scan  
[M+NH4]<sup>+</sup> = 243  
100ng/ml in MeOH/H2O 1:1, 50mM NH4HCOO  
200 µl/min



18.09.2001  
Methiocarb-amm Q3 scan 243 -> 169  
100ng/ml in MeOH/H2O 1:1, 50mM NH4HCOO  
200 µl/min

