

## MS/MS Parameters of Pesticides

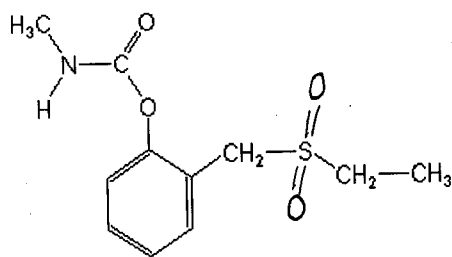
### Analyte: Ethiofencarb-sulfon

CAS No.: 53380-23-7

Formula: C<sub>11</sub>H<sub>15</sub>NO<sub>4</sub>S

Molecular mass (lowest isotopes): 257,07 amu

Structure:



Ionisation: ESI +

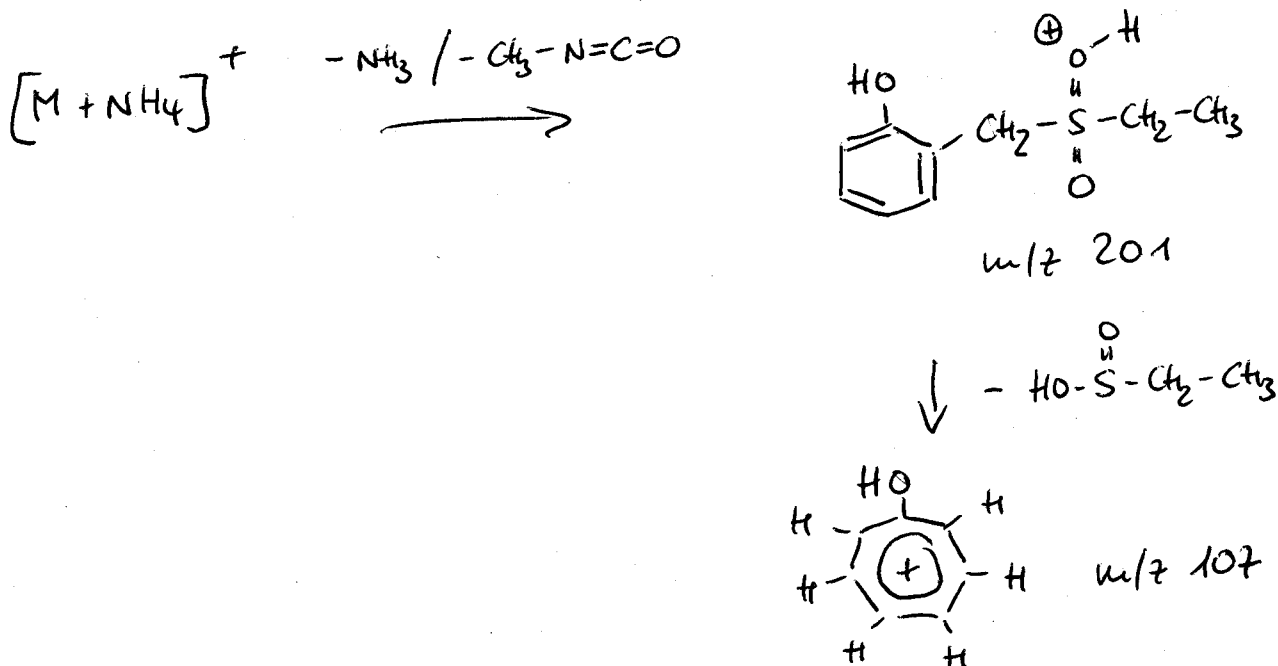
Quasimolecular ion: 275,3 amu = [M+NH<sub>4</sub>]<sup>+</sup>

Analyte sensitive parameter set (API 2000)

Transition	275,3 → 106,9	275,3 → 201,0
Declustering potential (DP) <sup>*)</sup>	11 V	11 V
Focusing potential (FP)	360 V	370 V
Entrance potential (EP)	10,0 V	10,5 V
Collision cell entrance potential (CEP)	18 V	18 V
Collision energy (CE)	25 V	15 V
Collision cell exit potential (CXP)	6 V	10 V

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

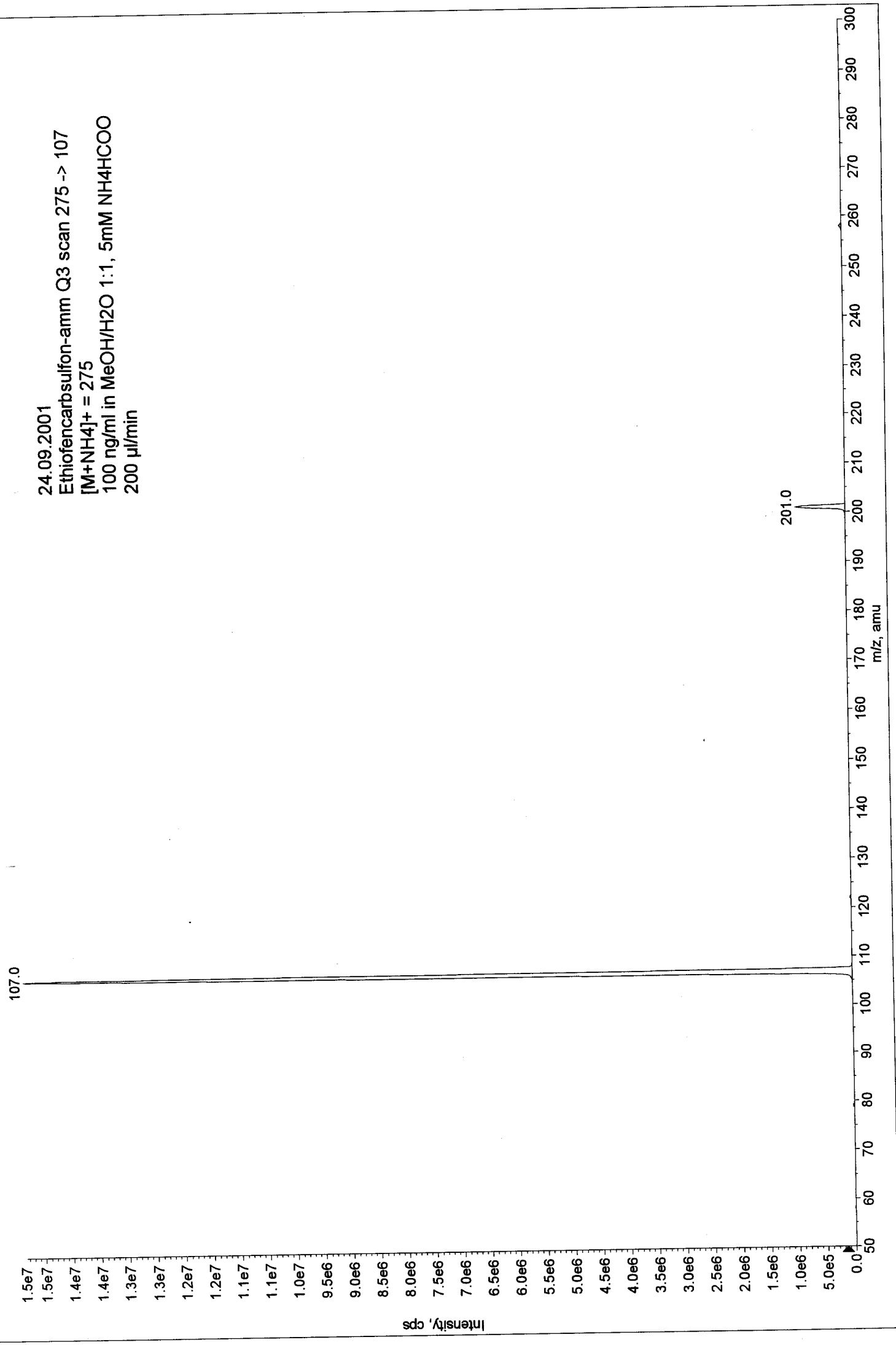
### Fragmentation



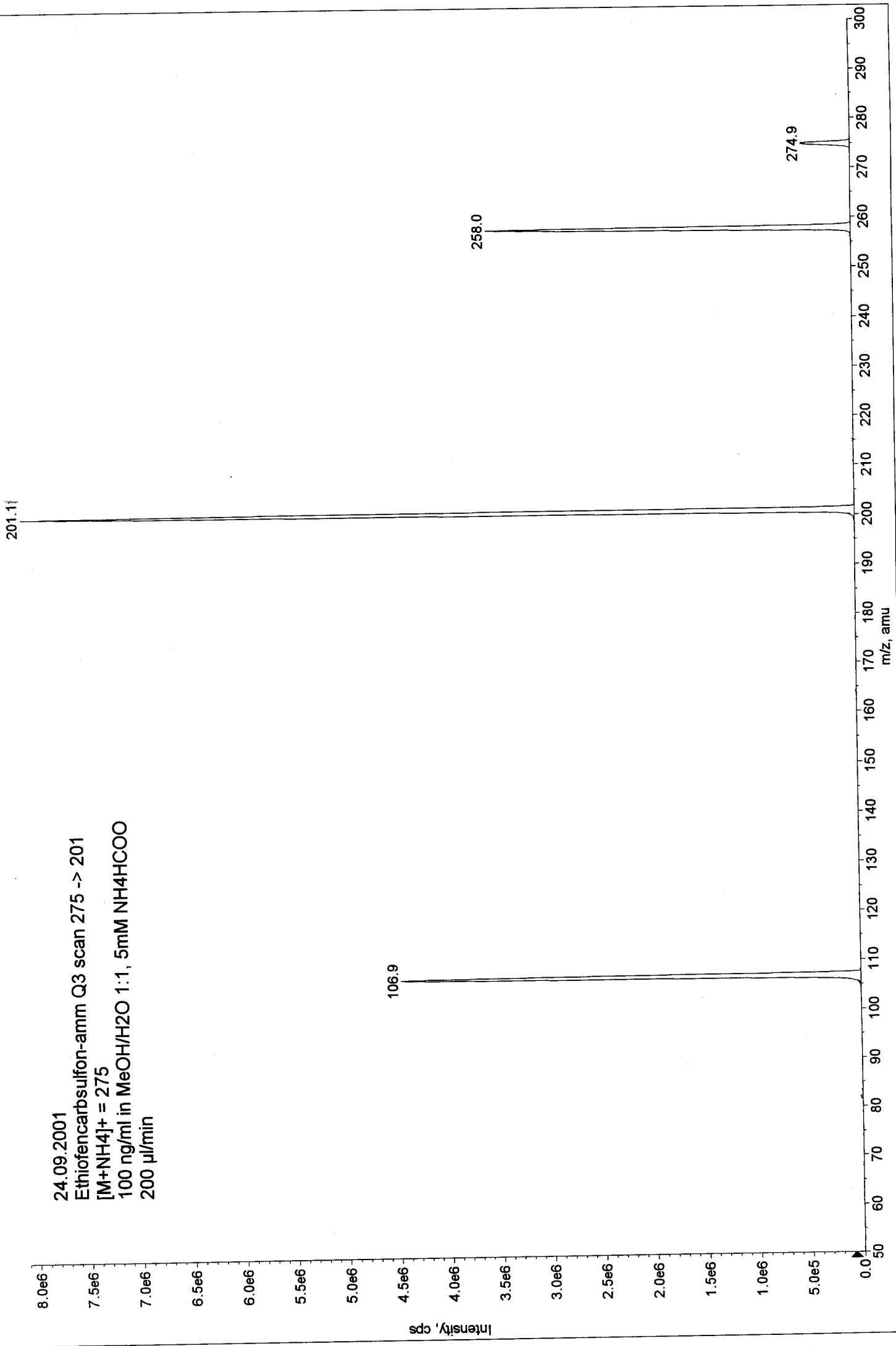
24.09.2001  
 Ethiofencarb-sulfon-amm Q1 scan  
 $[M+NH_4]^+ = 275$   
 100 ng/ml in MeOH/H<sub>2</sub>O 1:1, 5mM NH<sub>4</sub>HCOO  
 200  $\mu$ l/min



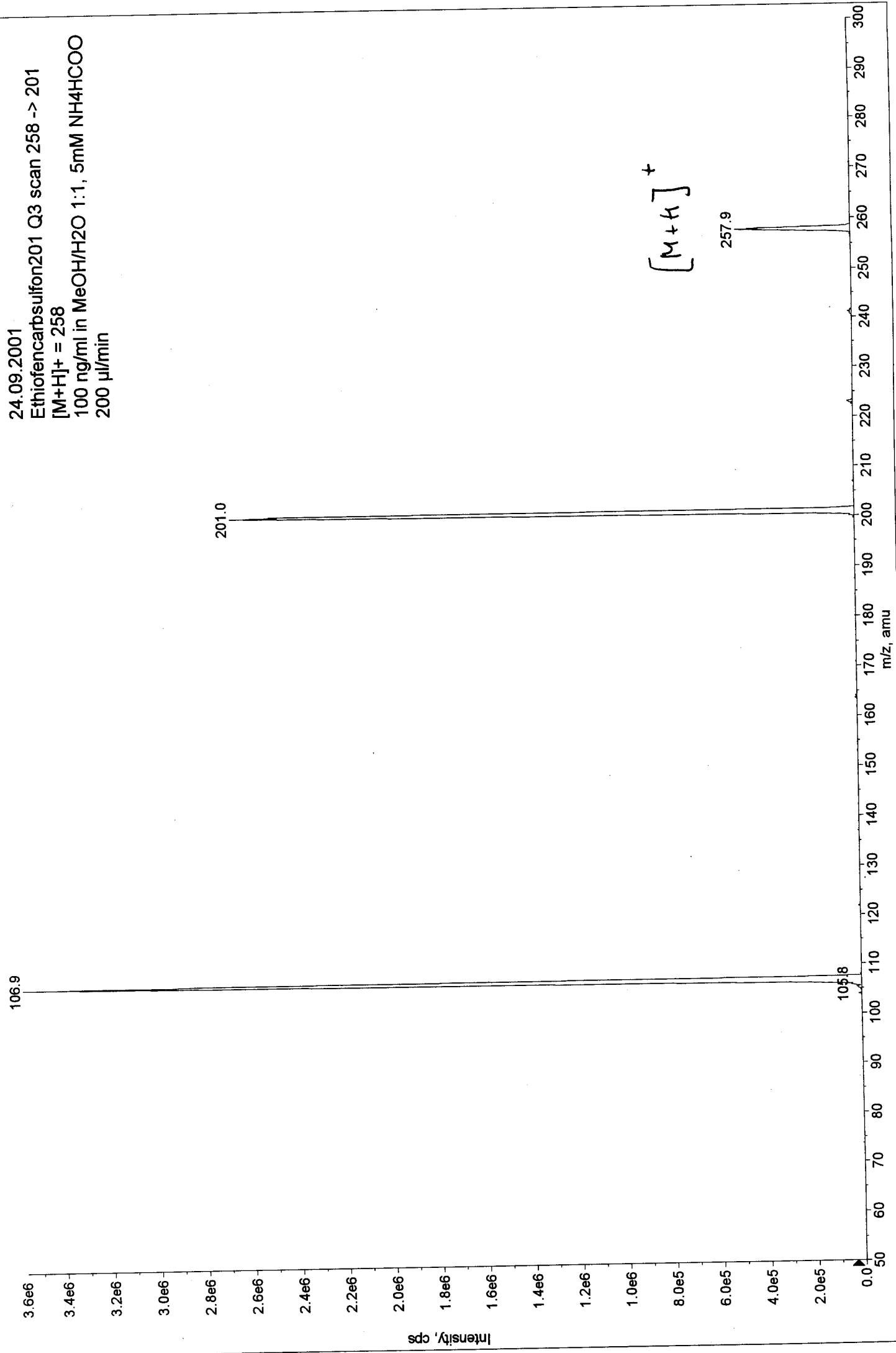
24.09.2001  
Ethiofencarb-sulfon-amm Q3 scan 275 -> 107  
[M+NH4]<sup>+</sup> = 275  
100 ng/ml in MeOH/H<sub>2</sub>O 1:1, 5mM NH<sub>4</sub>HCOO  
200 µl/min



24.09.2001  
Ethiofencarb-sulfon-amm Q3 scan 275 -> 201  
[M+NH4]<sup>+</sup> = 275  
100 ng/ml in MeOH/H2O 1:1, 5mM NH4HCOO  
200 µl/min



24.09.2001  
Ethiofencarbosulfon201 Q3 scan 258 -> 201  
[M+H]<sup>+</sup> = 258  
100 ng/ml in MeOH/H<sub>2</sub>O 1:1, 5mM NH<sub>4</sub>HCOO  
200 µl/min



24.09.2001  
Ethiofencarbsulfon Q3 scan 258 -> 107  
[M+H]<sup>+</sup> = 258  
100 ng/ml in MeOH/H<sub>2</sub>O 1:1, 5mM NH<sub>4</sub>HCOO  
200 µl/min

