

**BfR**

Risiken erkennen – Gesundheit schützen

## MS/MS Parameters of Pesticides

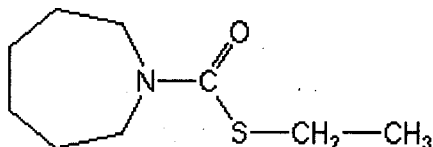
### Analyte: Molinate

CAS No.: 2212-67-1

Formula: C<sub>9</sub>H<sub>17</sub>NOS

Molecular mass (lowest isotopes): 187,10 amu

Structure:



Ionisation: ESI +

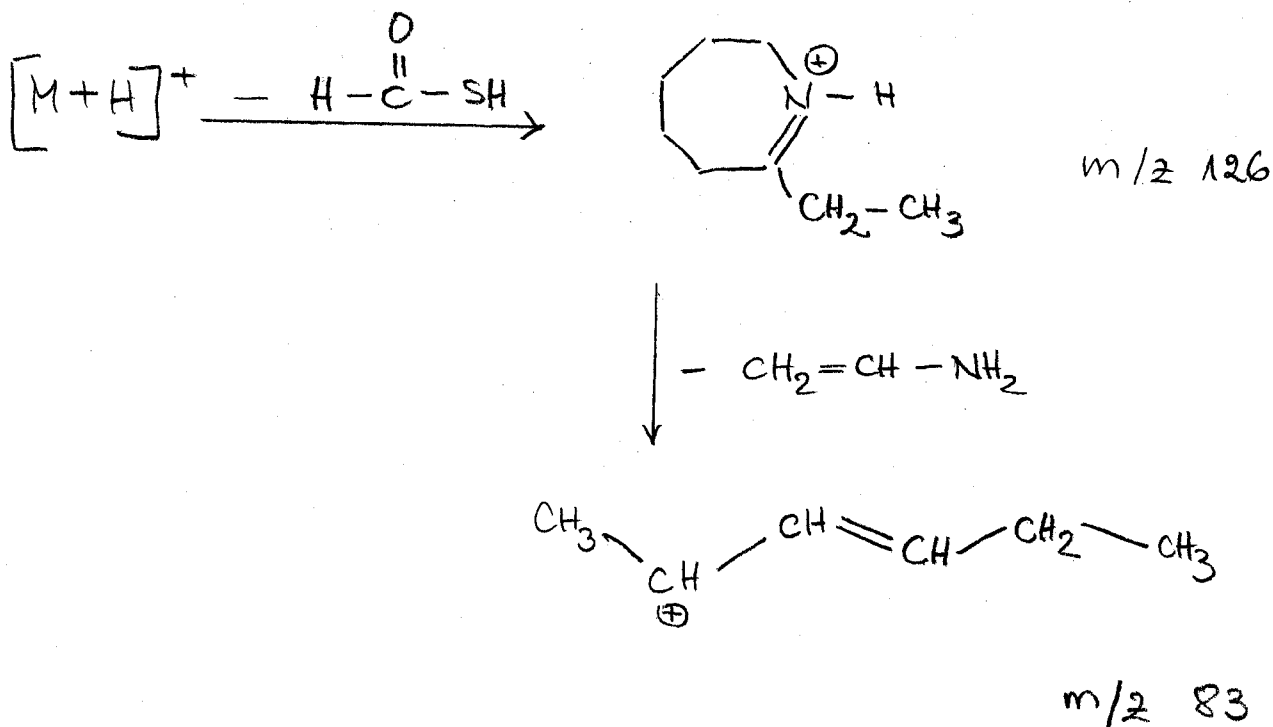
Quasimolecular ion: 188,1 amu = [M+H]<sup>+</sup>

Analyte sensitive parameter set (API 2000)

Transition	188,1 → 83,2	188,1 → 126,1
Declustering potential (DP) <sup>*)</sup>	21 V	21 V
Focusing potential (FP)	370 V	360 V
Entrance potential (EP)	9,5 V	12,0 V
Collision cell entrance potential (CEP)	14 V	12 V
Collision energy (CE)	25 V	19 V
Collision cell exit potential (CXP)	4 V	6 V

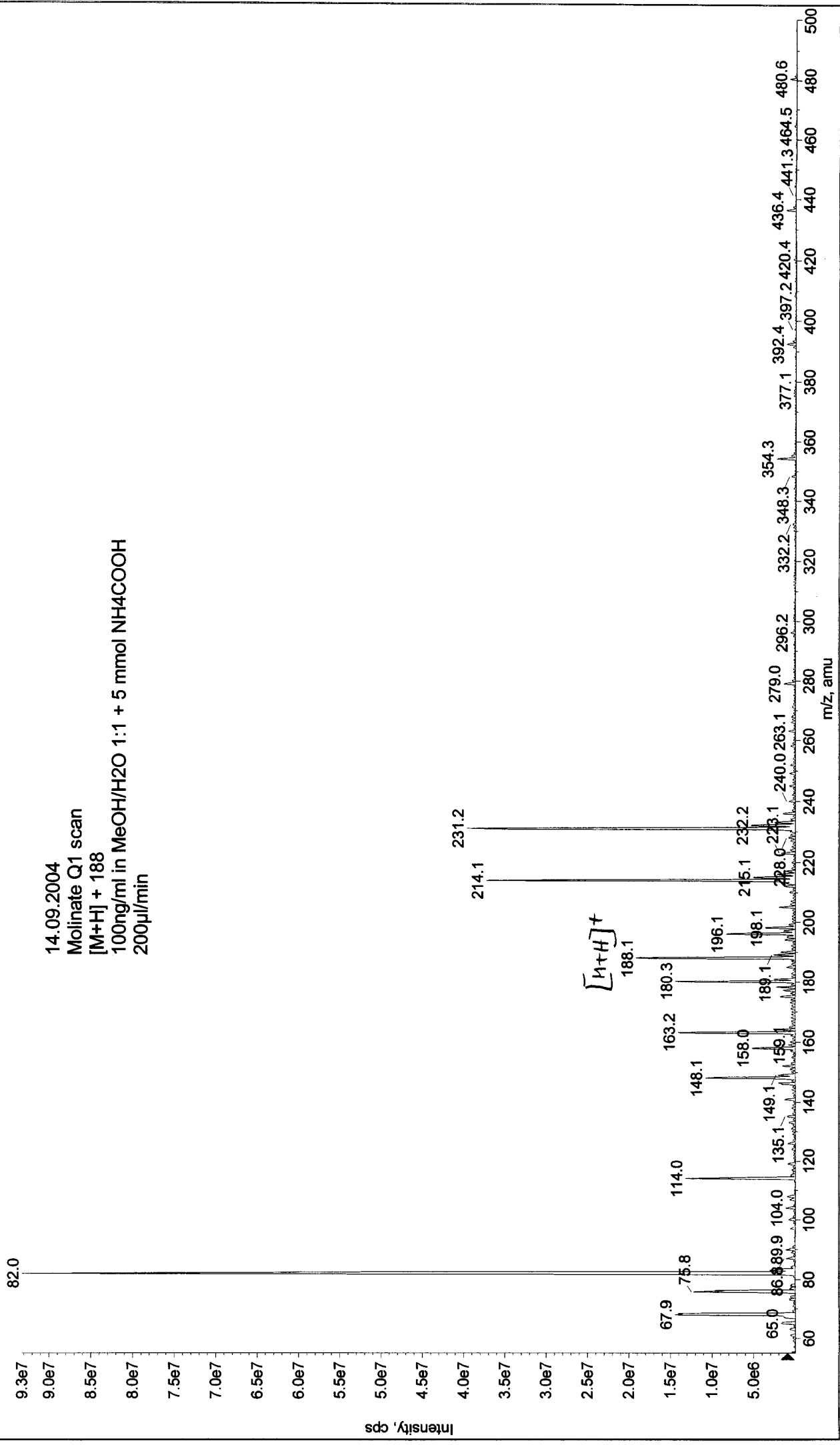
<sup>\*)</sup> For API 3000 and 4000 enhance DP by 20V

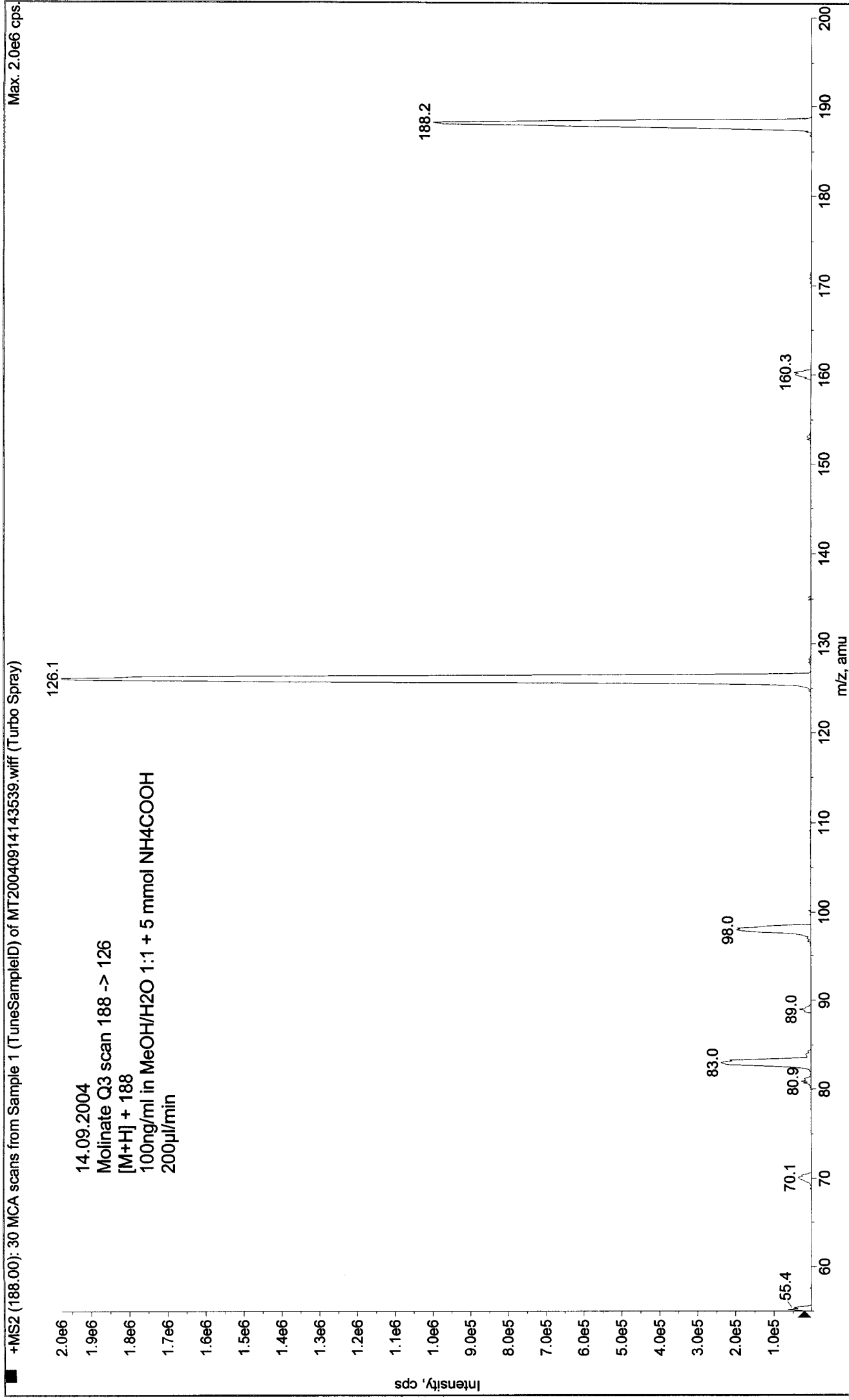
### Fragmentation



Max. 9.3e7 cps

+Q1: 30 MCA scans from Sample 1 (TuneSampleID) of MT20040914143352.wiff (Turbo Spray)





Max. 1.3e5 cps.

+MS2 (190.00): 30 MCA scans from Sample 1 (TuneSampleID) of MT20040914143909.wiff (Turbo Spray)

