

**BfR**

Risiken erkennen – Gesundheit schützen

## MS/MS Parameters of Pesticides

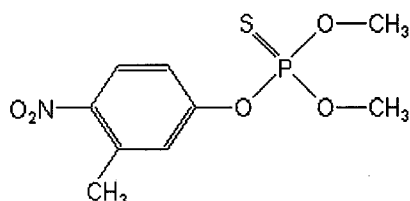
### Analyte: Fenitrothion

CAS No.: 122-14-5

Formula: C<sub>9</sub>H<sub>12</sub>NO<sub>5</sub>PS

Molecular mass (lowest isotopes): 277,02 amu

Structure:



Ionisation: ESI +

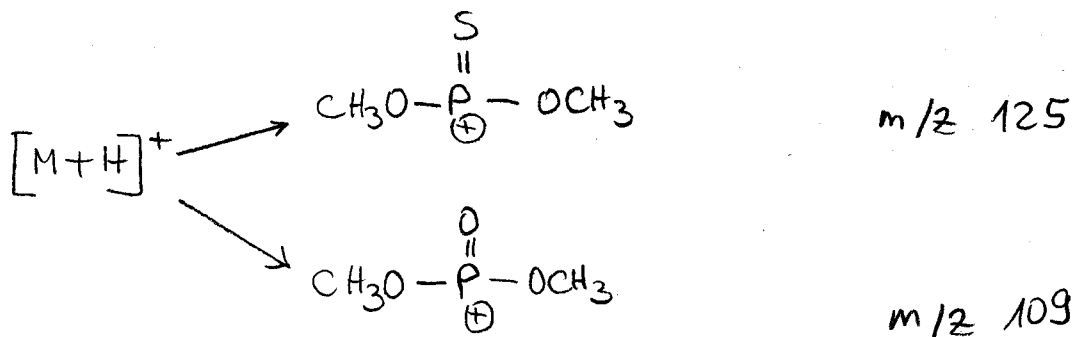
Quasimolecular ion: 278,1 amu = [M+H]<sup>+</sup>

Analyte sensitive parameter set (API 2000)

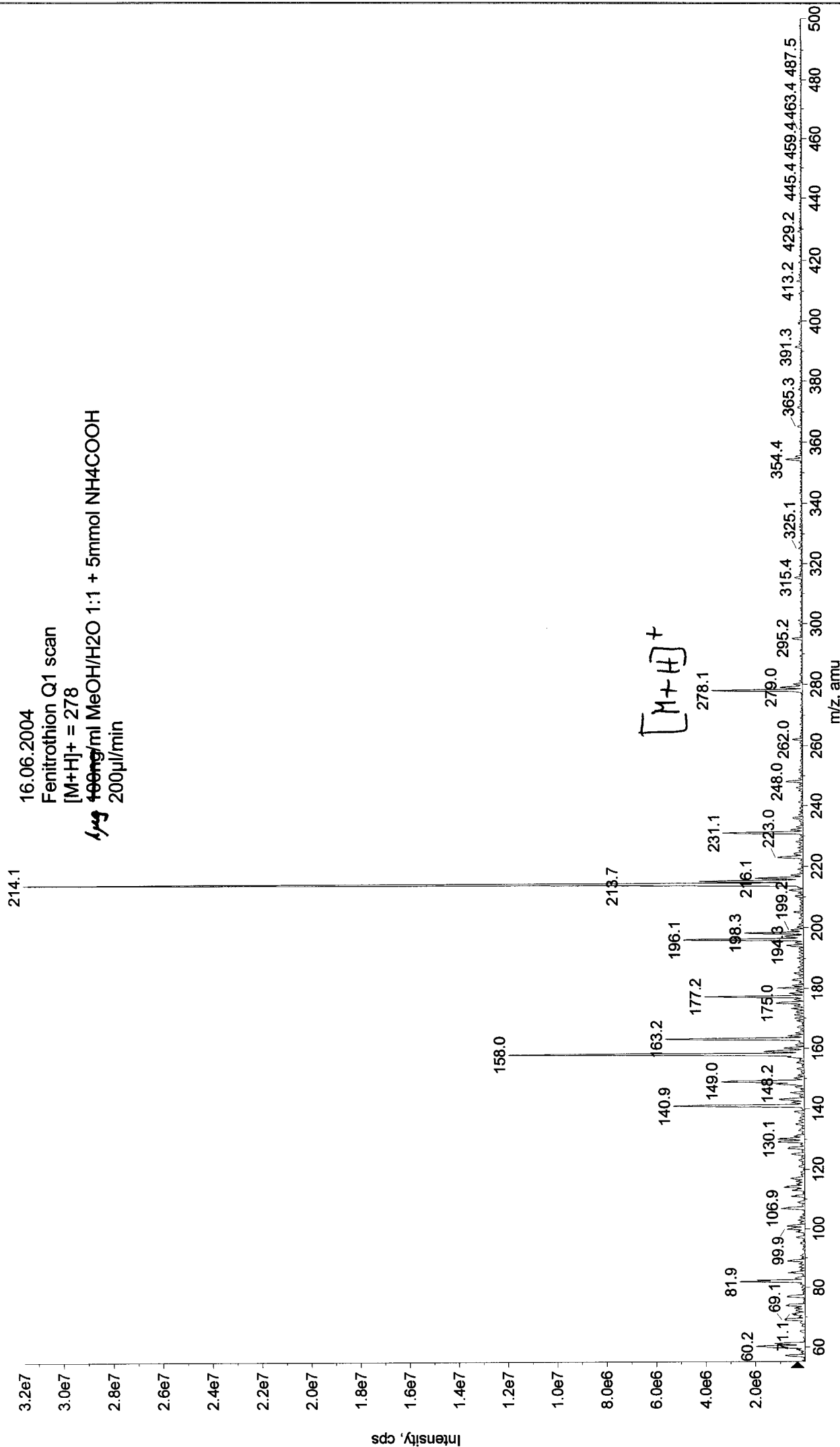
Transition	278,1 → 125,0	278,1 → 108,9
Declustering potential (DP)*)	41 V	41 V
Focusing potential (FP)	350 V	360 V
Entrance potential (EP)	10,5 V	10,5 V
Collision cell entrance potential (CEP)	16 V	16 V
Collision energy (CE)	29 V	25 V
Collision cell exit potential (CXP)	6 V	6 V

\*) For API 3000 and 4000 enhance DP by 20V

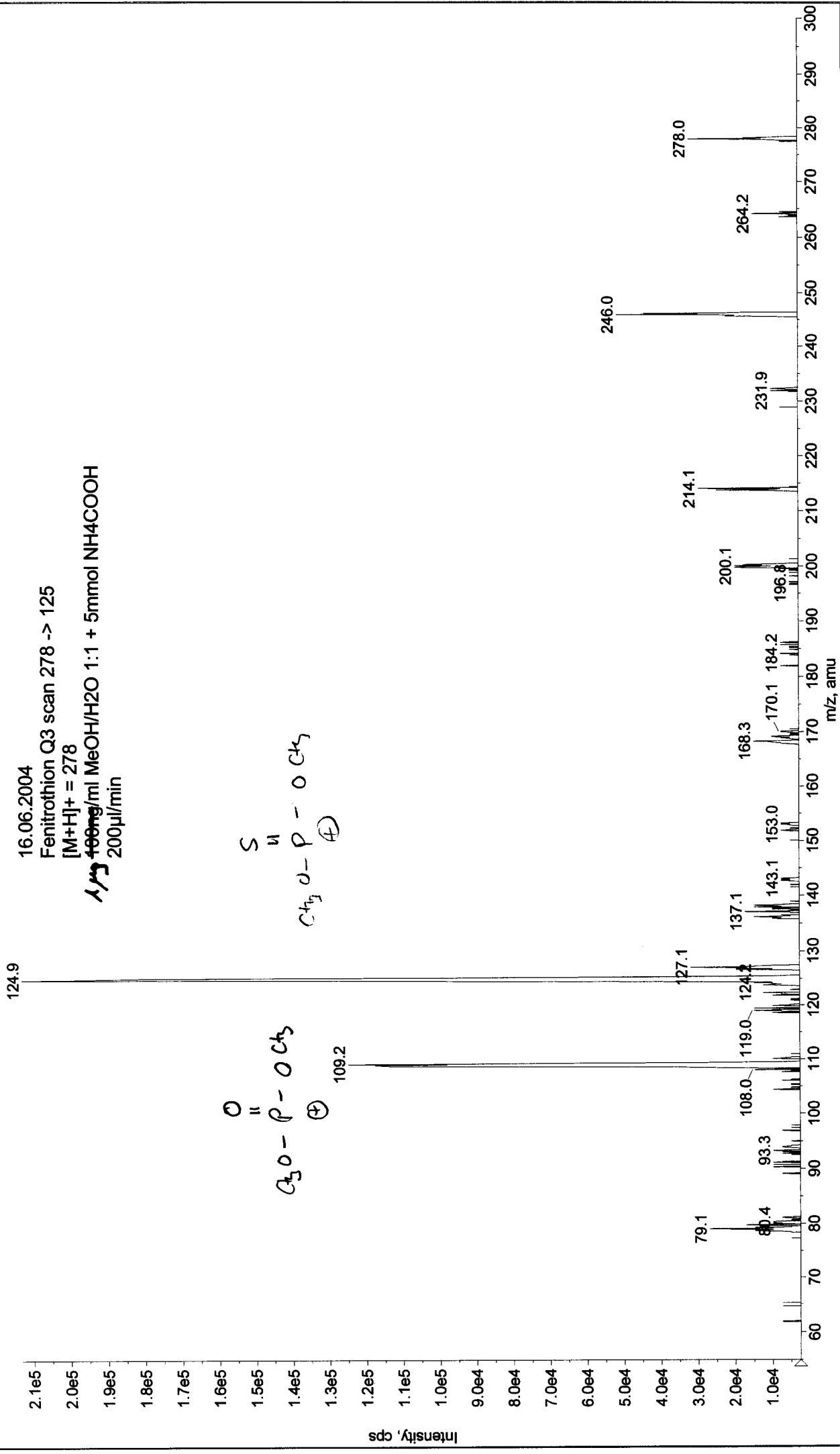
### Fragmentation



+Q1: 30 MCA scans from Sample 1 (TuneSampleID) of MT20040616114700.wiff (Turbo Spray) Max. 3.2e7 cps.



+MS2 (278.00): 30 MCA scans from Sample 1 (TunesSampleID) of MT20040616115304.wiff (Turbo Spray)



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

Acq. File: MT20040616134404.wiff  
Acq. Date: Wednesday, June 16, 2004  
Acq. Time: 13:44

Printing Time: 13:45:42  
Printing Date: Wednesday, June 16, 2004

Max. 9.1e4 cps.  
+MS2 (278.00): 30 MCA scans from Sample 1 (TuneSampleID) of MT20040616134404.wiff (Turbo Spray)

