

**BfR**

Risiken erkennen – Gesundheit schützen

## MS/MS Parameters of Pesticides

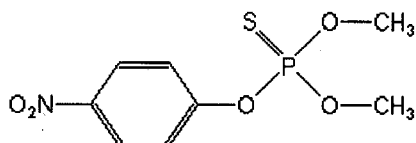
### Analyte: Parathion-methyl

CAS No.: 298-00-0

Formula: C<sub>8</sub>H<sub>10</sub>NO<sub>5</sub>PS

Molecular mass (lowest isotopes): 263,00 amu

Structure:



Ionisation: ESI +

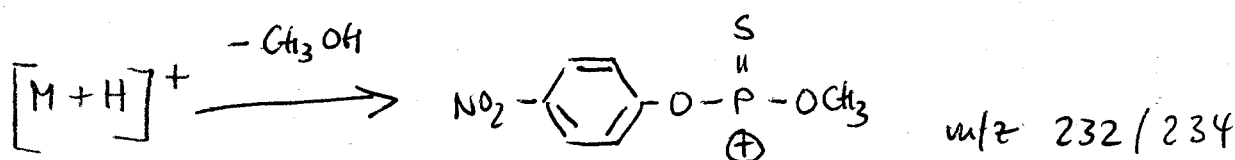
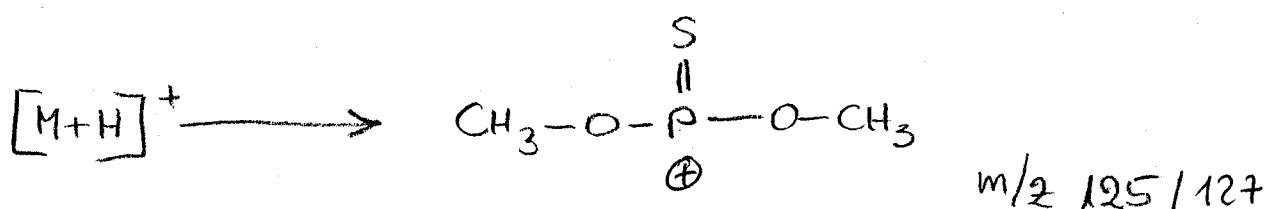
Quasimolecular ion: 264,0 amu = [M+H]<sup>+</sup>

Analyte sensitive parameter set (API 2000)

Transition	264,0 → 125,0	264,0 → 232,1
Declustering potential (DP) <sup>*)</sup>	56 V	56 V
Focusing potential (FP)	370 V	340 V
Entrance potential (EP)	12,0 V	10,0 V
Collision cell entrance potential (CEP)	18 V	18 V
Collision energy (CE)	25 V	23 V
Collision cell exit potential (CXP)	6 V	12 V

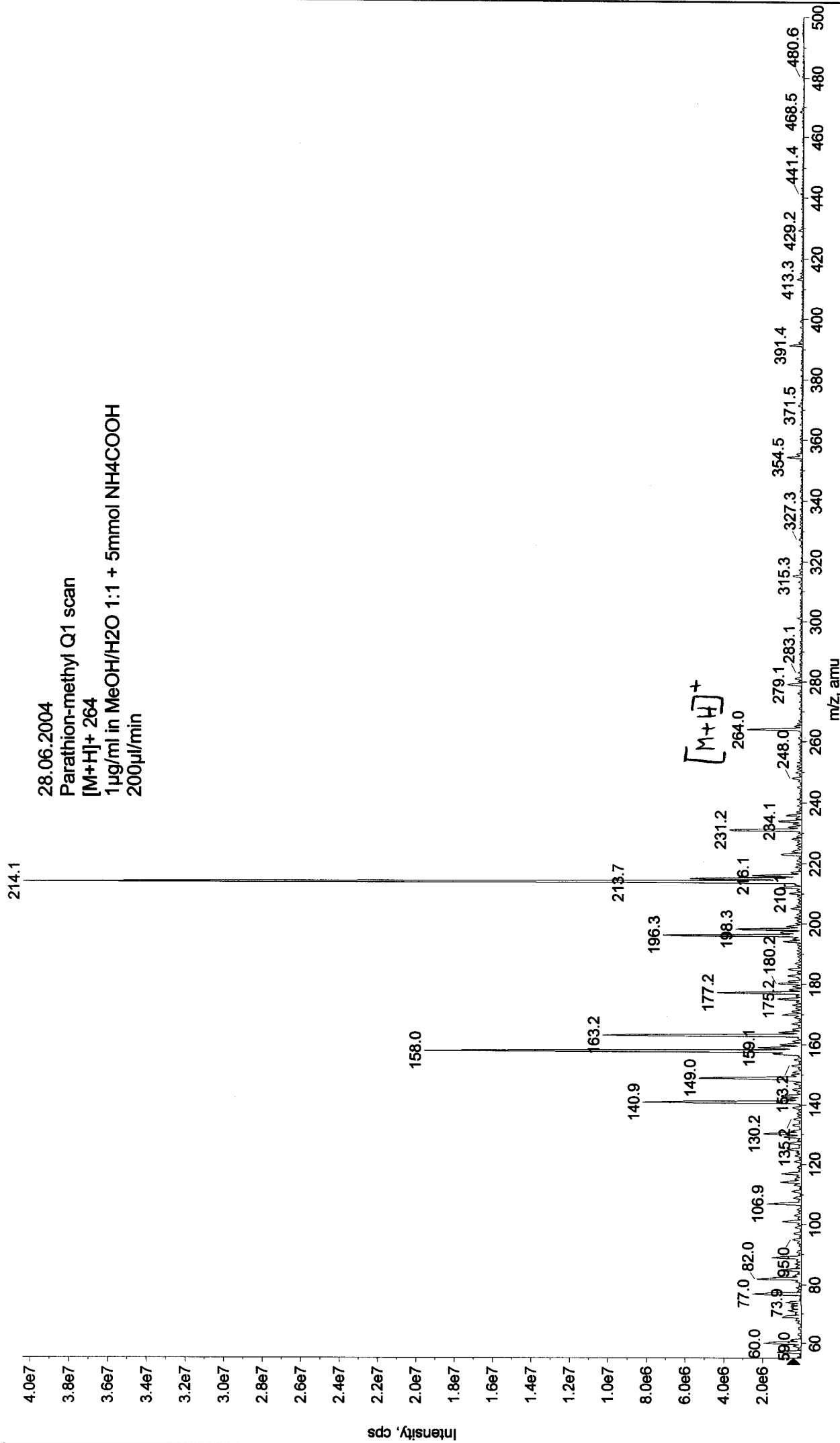
<sup>\*)</sup> For API 3000 and 4000 enhance DP by 20V

### Fragmentation



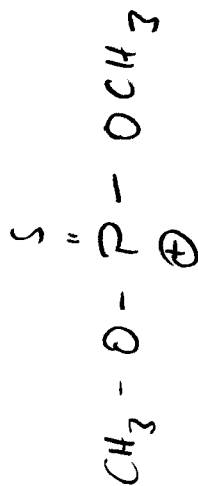
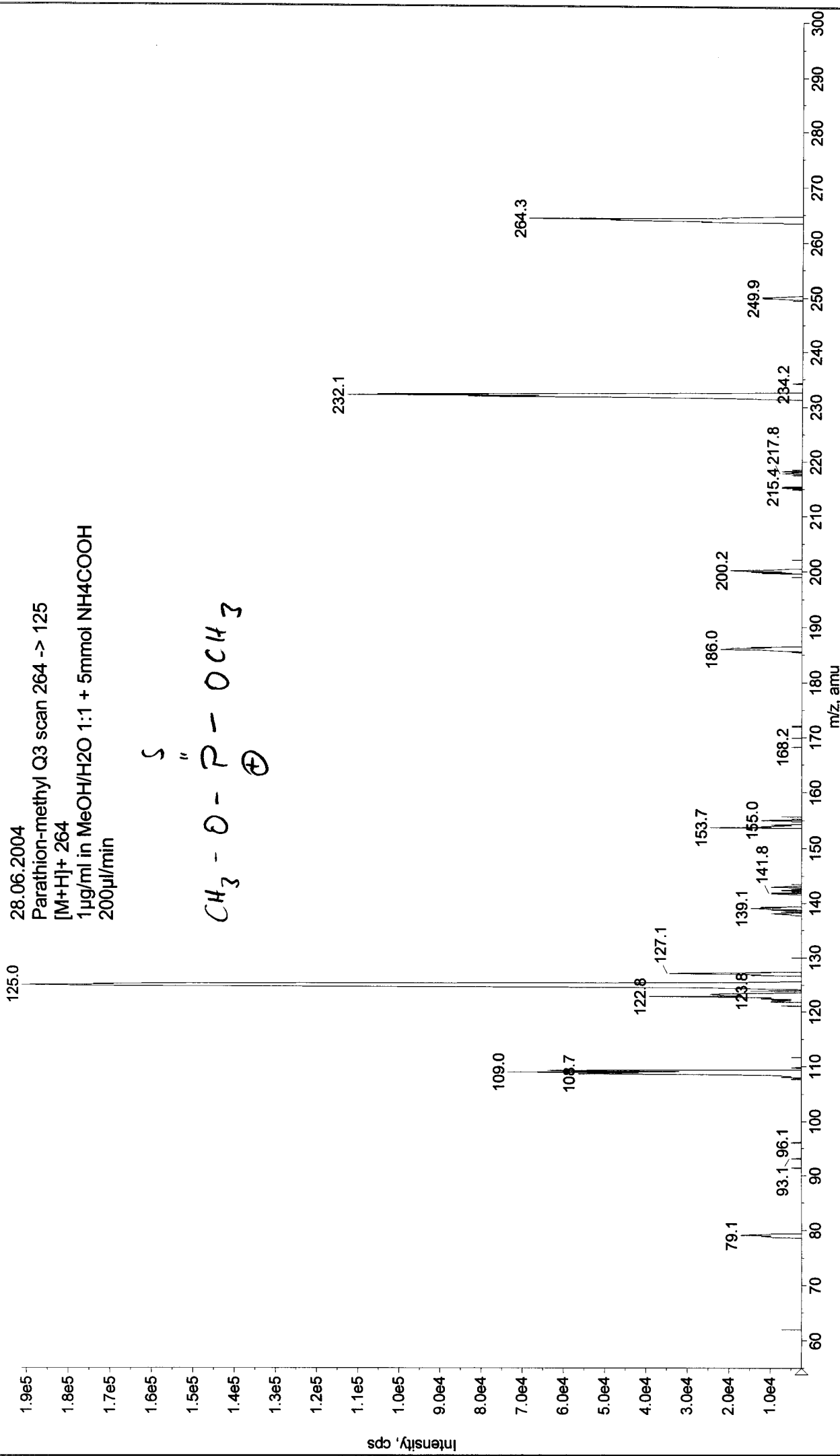
+Q1: 30 MCA scans from Sample 1 (TuneSampleID) of MT20040628105415.wiff (Turbo Spray)

Max. 4.0e7 cps



Max. 1.9e5 cps

+MS2 (264.00): 30 MCA scans from Sample 1 (TuneSampleID) of MT20040628105643.wiff (Turbo Spray)



Printing Time: 11:21:16  
Printing Date: Monday, June 28, 2004

Acq. Time: 11:18  
Acq. Date: Monday, June 28, 2004  
Acq. File: MT20040628111806.wiff

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

