

**BfR**

Risiken erkennen – Gesundheit schützen

## MS/MS Parameters of Pesticides

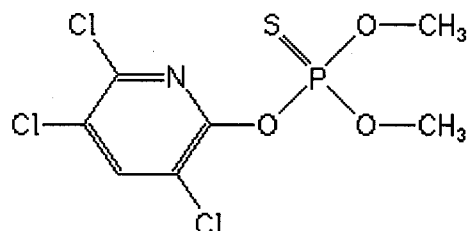
### Analyte: Chlorpyrifos-methyl

CAS No.: 5598-13-0

Formula: C<sub>7</sub>H<sub>7</sub>Cl<sub>3</sub>NO<sub>3</sub>PS

Molecular mass (lowest isotopes): 320,89 amu

Structure:



Ionisation: ESI +

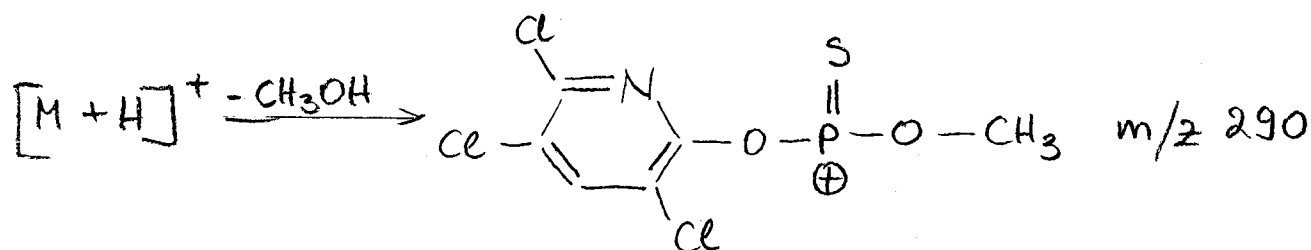
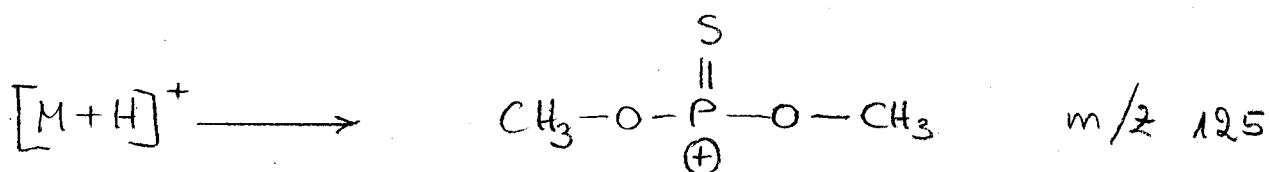
Quasimolecular ion: 321,9 amu = [M+H]<sup>+</sup>

Analyte sensitive parameter set (API 2000)

Transition	321,9 → 125,1	321,9 → 289,8
Declustering potential (DP) <sup>*)</sup>	29V	29 V
Focusing potential (FP)	330 V	370 V
Entrance potential (EP)	12,0 V	9,0 V
Collision cell entrance potential (CEP)	20 V	20 V
Collision energy (CE)	27 V	25 V
Collision cell exit potential (CXP)	6 V	16 V

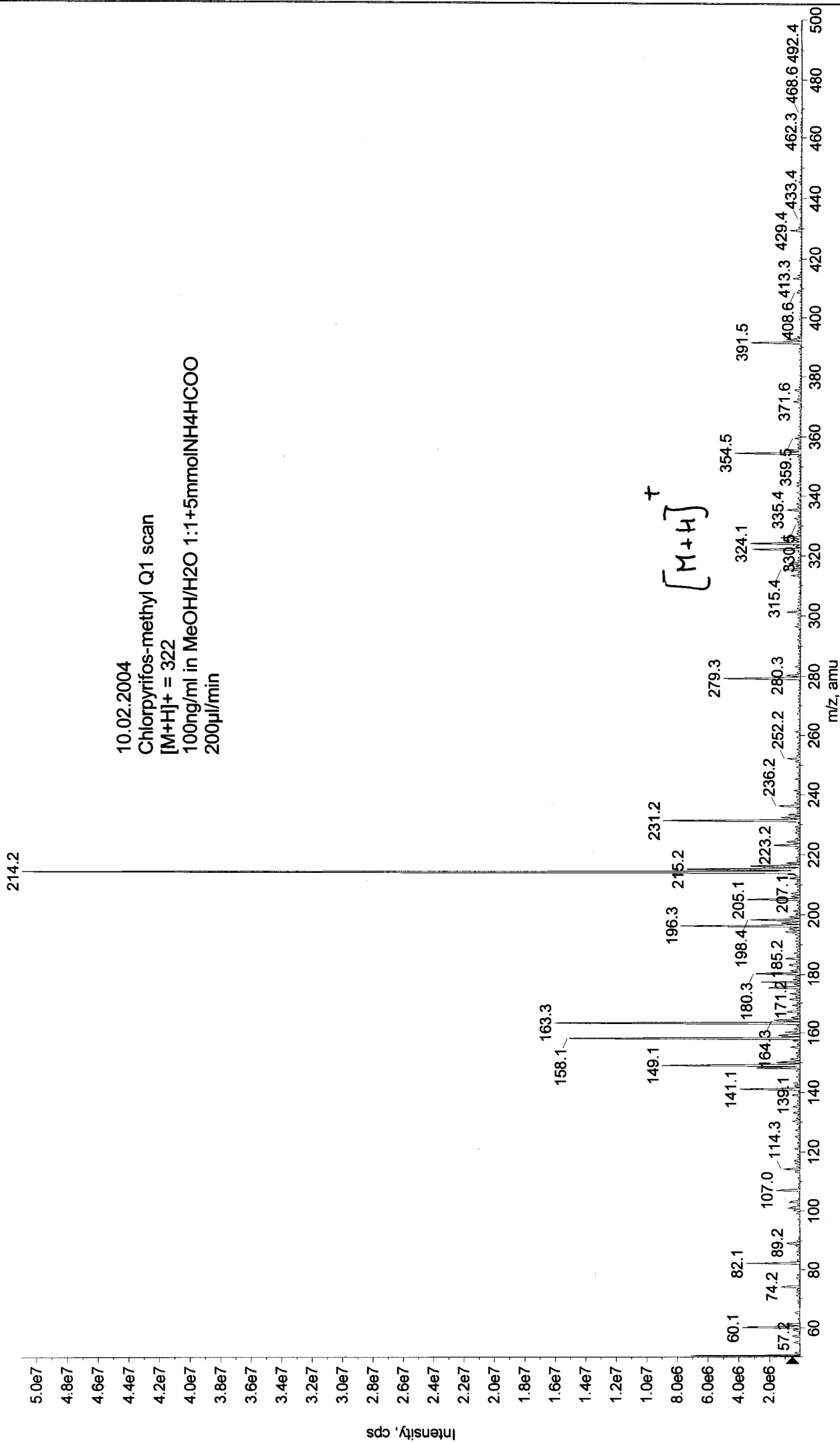
<sup>\*)</sup> For API 3000 and 4000 enhance DP by 20V

### Fragmentation



■ +Q1: 30 MCA scans from Sample 1 (TuneSampleID) of MT20040210110623.wiff (Turbo Spray)

Max. 5.1e7 cps



Printing Time: 11:26:41  
Printing Date: Tuesday, February 10, 2004

Acq. Time: 11:22  
Acq. Date: Tuesday, February 10, 2004  
Acq. File: MT20040210112223.wiff

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

■ +MS2 (322.00): 30 MCA scans from Sample 1 (TuneSampleID) of MT20040210112223.wiff (Turbo Spray) Max. 5.7e5 cps

