

**BfR**

Risiken erkennen – Gesundheit schützen

MS/MS Parameters of Pesticides

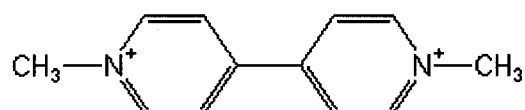
Analyte: Paraquat

CAS No.: 4685-14-7

Formula: C₁₂H₁₄N₂

Molecular mass (lowest isotopes): 186,115 amu

Structure:



Ionisation: ESI +

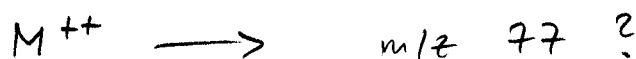
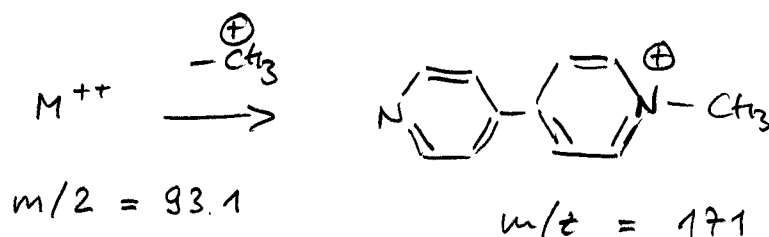
Quasimolecular ion: 93,1 amu = [M]⁺⁺

Analyte sensitive parameter set (API 2000)

Transition	93,1 → 171,0	93,1 → 77,0
Declustering potential (DP) ^{*)}	61 V	61 V
Focusing potential (FP)	360 V	360 V
Entrance potential (EP)	10,5 V	10,5 V
Collision cell entrance potential (CEP)	24 V	24 V
Collision energy (CE)	35 V	35 V
Collision cell exit potential (CXP)	12 V	12 V

^{*)} For API 3000 and 4000 enhance DP by 20V

Fragmentation



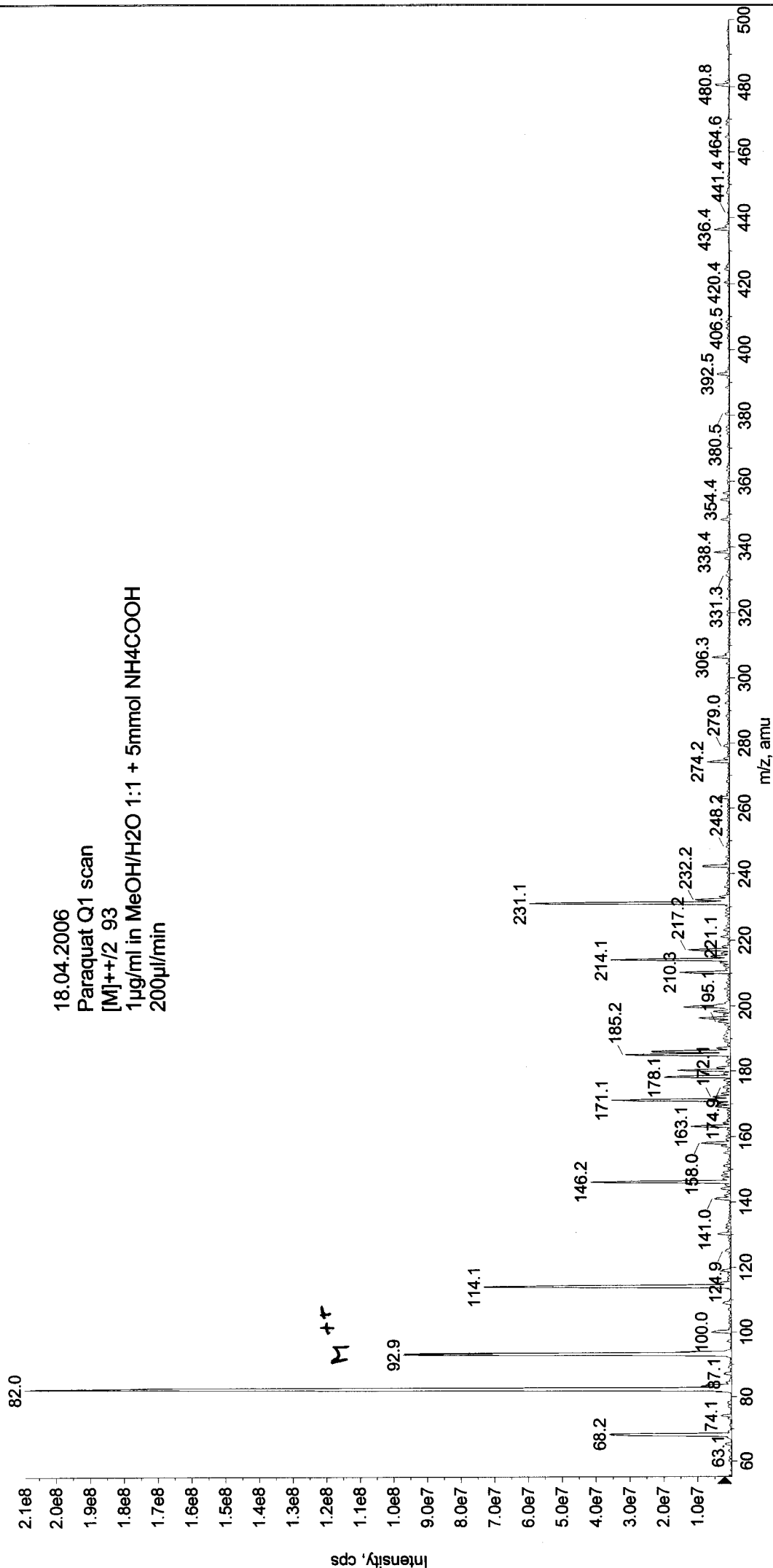
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Printing Date: Tuesday, April 18, 2006

Acq. Time: 13:53
Acq. Date: Tuesday, April 18, 2006
Acq. File: MT20060418135316.wiff

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

■ +Q1: 30 MCA scans from Sample 1 (TuneSampleID) of MT20060418135316.wiff (Turbo Spray)

Max. 2.1e8 cps



Printing Time: 13:57:49

Printing Date: Tuesday, April 18, 2006

Acq. Time: 13:56

Acq. Date: Tuesday, April 18, 2006

Acq. File: MT20060418135629.wiff

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

