

**BfR**

Risiken erkennen – Gesundheit schützen

## MS/MS Parameters of Pesticides

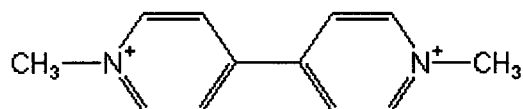
### Analyte: Paraquat

CAS No.: 4685-14-7

Formula: C<sub>12</sub>H<sub>14</sub>N<sub>2</sub>

Molecular mass (lowest isotopes): 186,115 amu

Structure:



Ionisation: ESI +

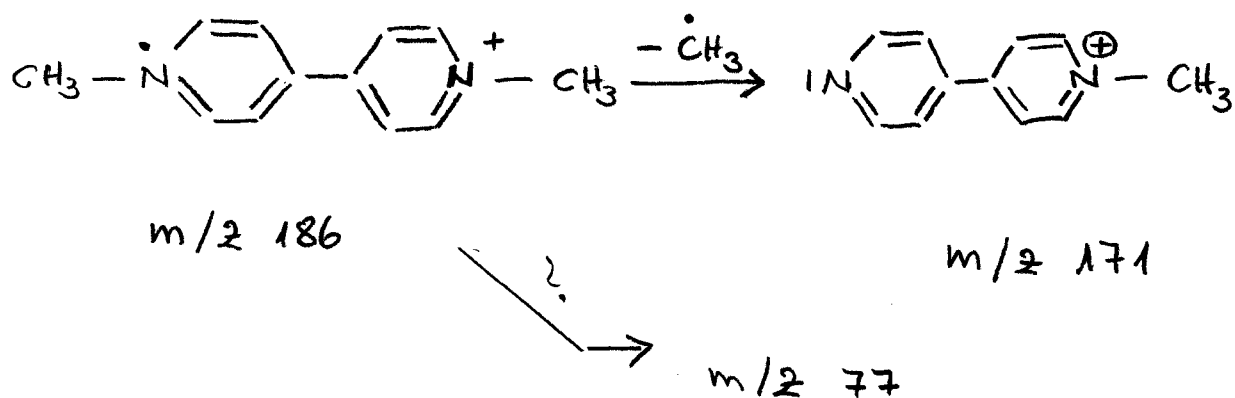
Quasimolecular ion: 186,1 amu = [M<sup>+</sup>]

Analyte sensitive parameter set (API 2000)

Transition	186,1 → 171,0	186,1 → 77,0
Declustering potential (DP) <sup>*)</sup>	76 V	76 V
Focusing potential (FP)	270 V	370 V
Entrance potential (EP)	12,0 V	10,0 V
Collision cell entrance potential (CEP)	16 V	14 V
Collision energy (CE)	27 V	59 V
Collision cell exit potential (CXP)	10 V	6 V

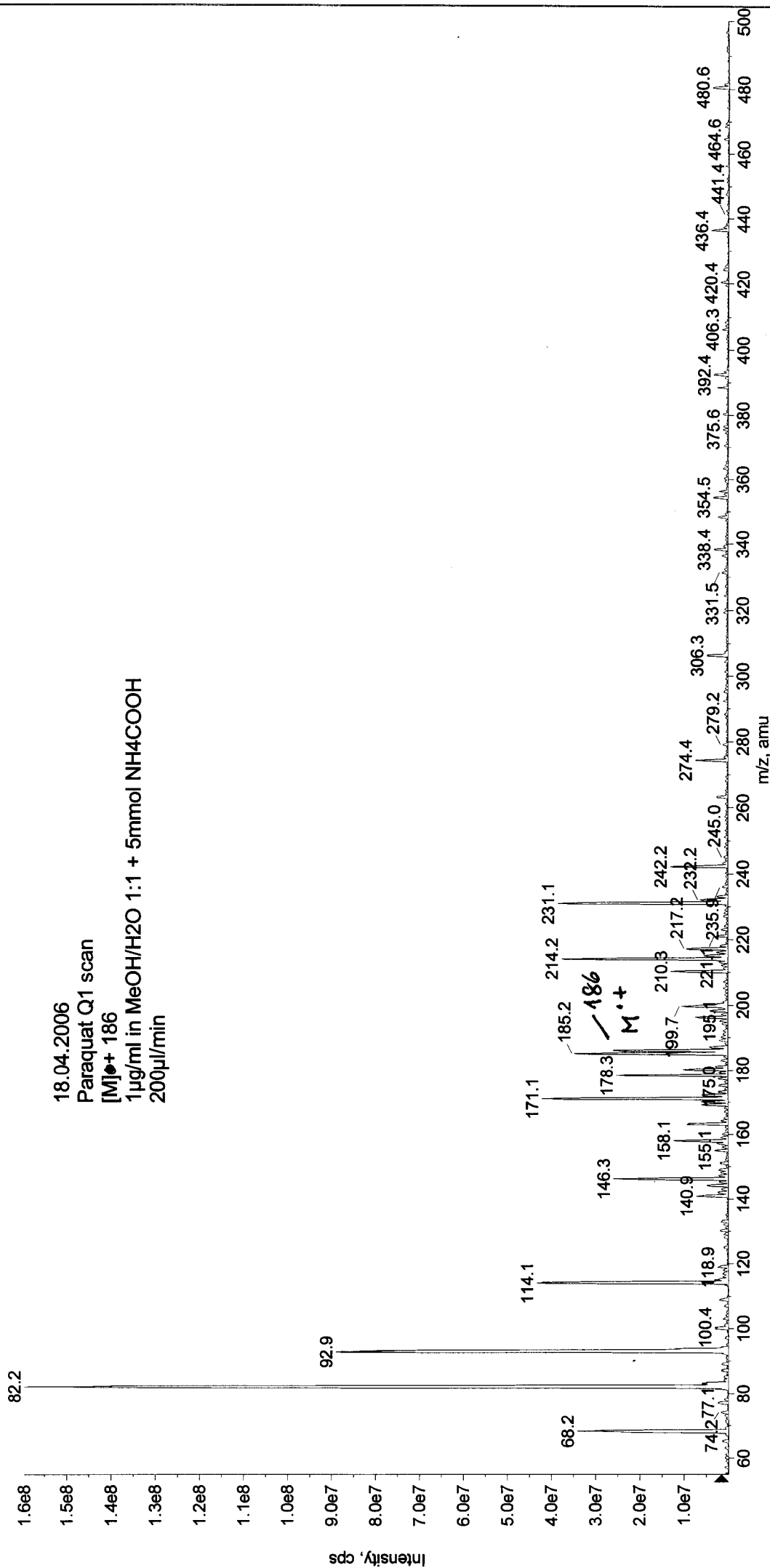
<sup>\*)</sup> For API 3000 and 4000 enhance DP by 20V

### Fragmentation



+Q1: 30 MCA scans from Sample 1 (TuneSampleID) of MT20060418105638.wiff (Turbo Spray)

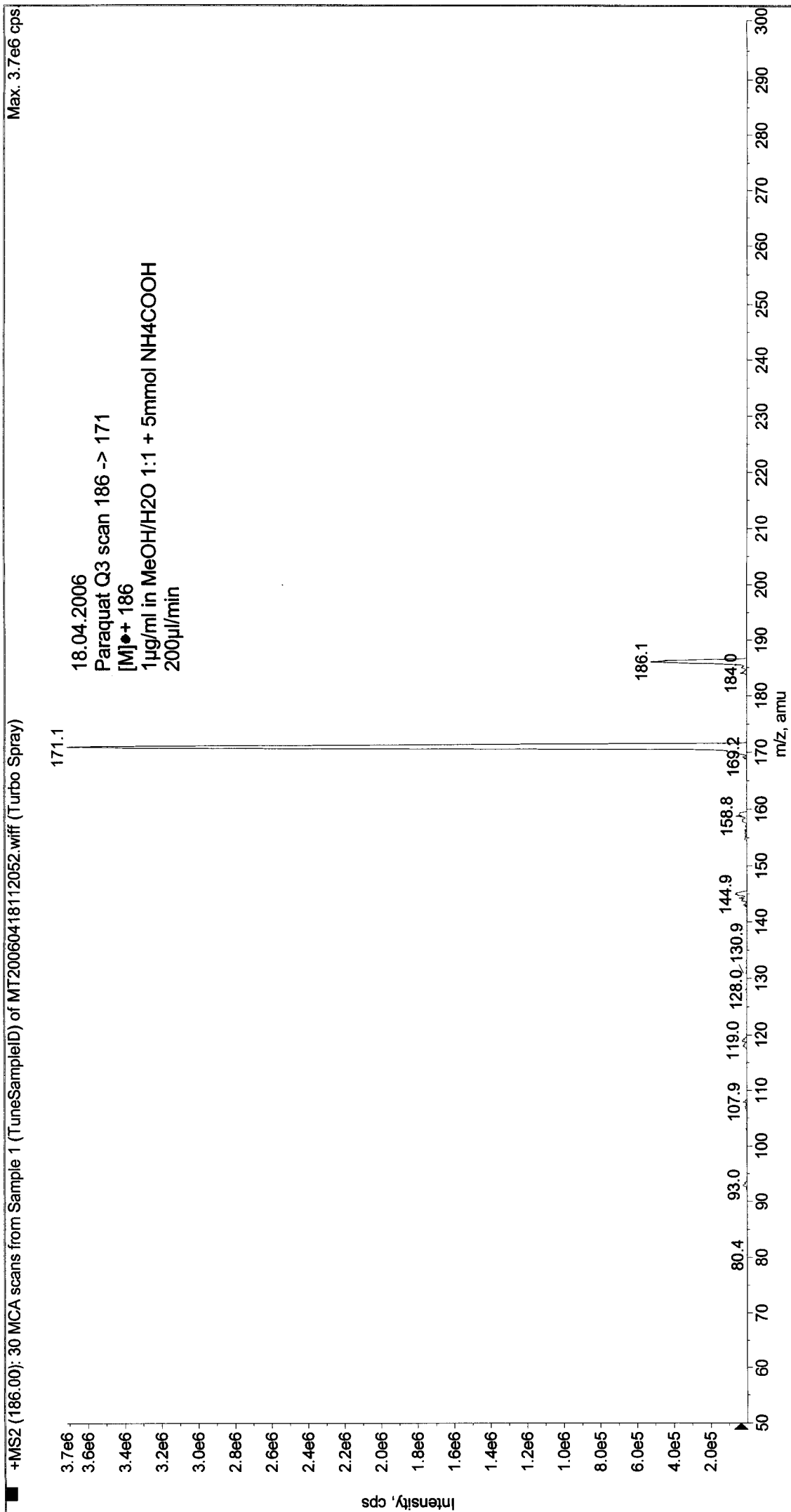
Max. 1.6e8 cps



Printing Time: 11:22:32  
Printing Date: Tuesday, April 18, 2006

Acq. Time: 11:20  
Acq. Date: Tuesday, April 18, 2006  
Acq. File: MT20060418112052.wiff

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



Printing Time: 11:52:49  
Printing Date: Tuesday, April 18, 2006

Acq. Time: 11:51  
Acq. Date: Tuesday, April 18, 2006  
Acq. File: MT20060418115133.wiff

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

