

**BfR**

Risiken erkennen – Gesundheit schützen

MS/MS Parameters of Pesticides

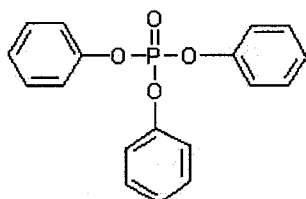
Analyte: Triphenylphosphate

CAS No.: 115-86-6

Formula: C₁₈H₁₅O₄P

Molecular mass (lowest isotopes): 326,071 amu

Structure:



Ionisation: ESI +

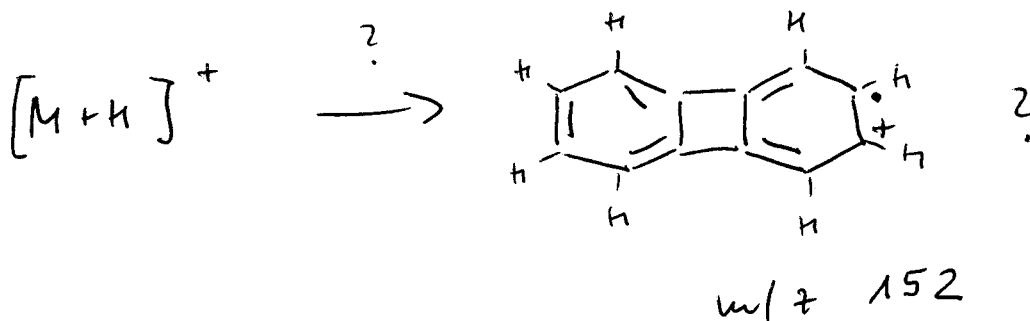
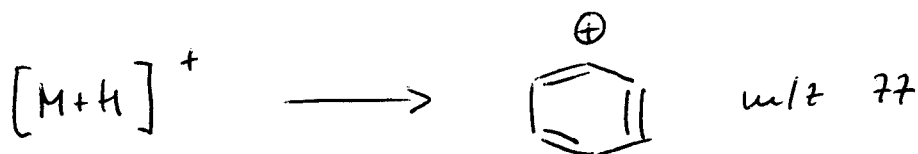
Quasimolecular ion: 326,1 amu = [M+H]⁺

Analyte sensitive parameter set (API 2000)

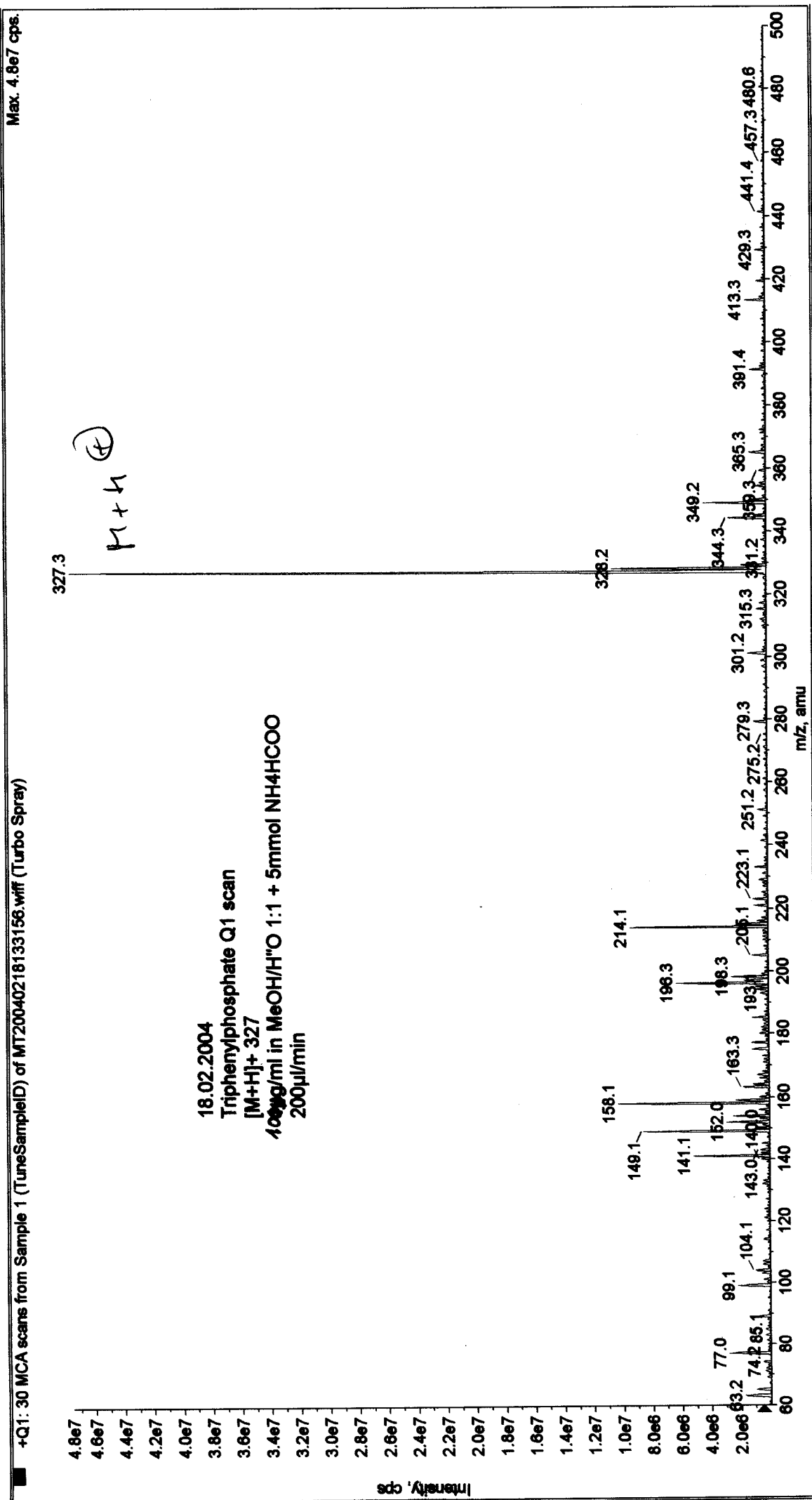
Transition	326,1 → 77,0	236,1 → 152,0
Declustering potential (DP) ^{*)}	61 V	61 V
Focusing potential (FP)	370 V	300 V
Entrance potential (EP)	11,5 V	10,5 V
Collision cell entrance potential (CEP)	18 V	22 V
Collision energy (CE)	57 V	47 V
Collision cell exit potential (CXP)	4 V	8 V

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

Fragmentation



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



Printing Time: 13:36:30

Printing Date: Wednesday, February 18, 2004

Acq. Time: 13:35

Acq. File: Wednesday, February 18, 2004

Acq. File: MT20040218133512.wiff

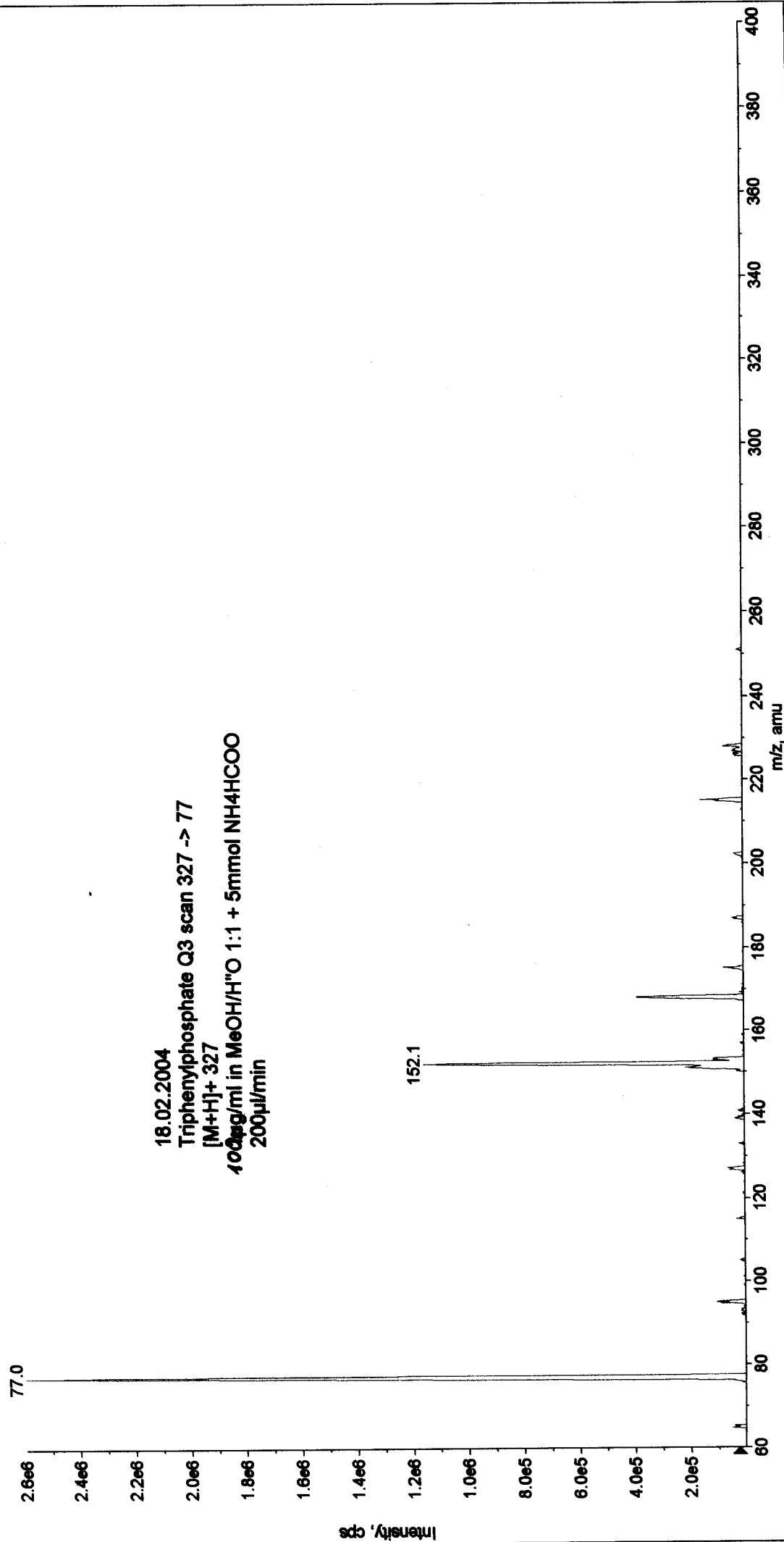
Sample Comment:

Sample Name: TuneSampleID

Batch Name: ManualTune.bat

Max. 2.6e6 cps.

+MS2 (327.00): 30 MCA scans from Sample 1 (TuneSampleID) of MT20040218133512.wiff (Turbo Spray)



18.02.2004

Triphenylphosphate Q3 scan 327 -> 77

[M+H]⁺ 327

400 ng/ml in MeOH/H₂O 1:1 + 5mmol NH₄HCOO

200 µl/min

Max. 1.7e6 cps.

+MS2 (327.00): 30 MCA scans from Sample 1 (TuneSampleID) of MT20040218135943.wiff (Turbo Spray)

