

**BfR**

Risiken erkennen – Gesundheit schützen

MS/MS Parameters of Pesticides

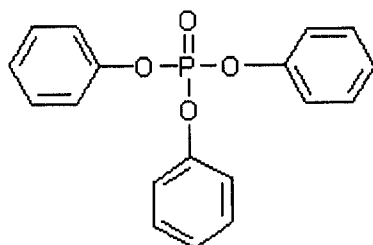
Analyte: Triphenylphosphate

CAS No.: 115-86-6

Formula: C₁₈H₁₅O₄P

Molecular mass (lowest isotopes): 326,07 amu

Structure:



Ionisation: ESI +

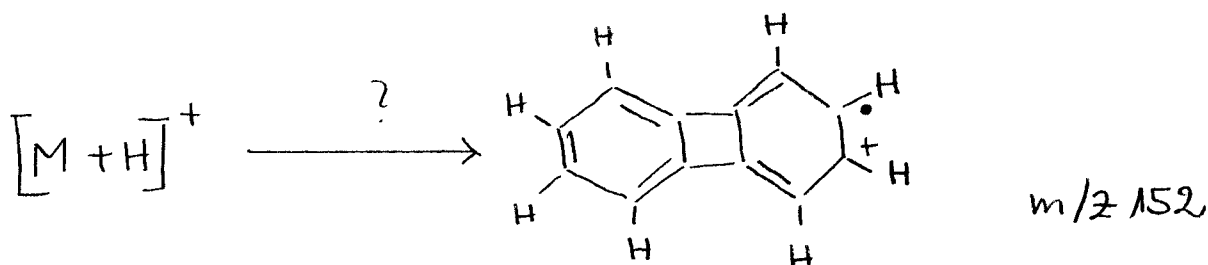
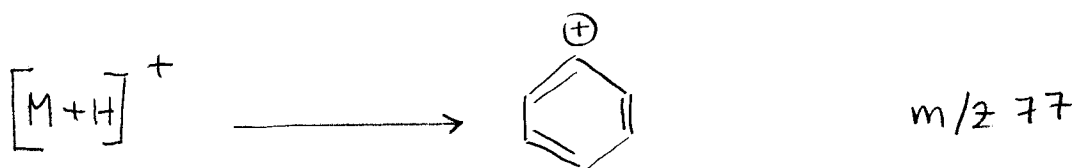
Quasimolecular ion: 327,1 amu = [M+H]⁺

Analyte sensitive parameter set (API 2000)

Transition	327,1 → 77,0	327,1 → 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



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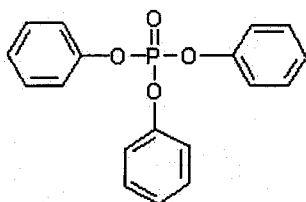
Analyte: Triphenylphosphate

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

