

**BfR**

Risiken erkennen – Gesundheit schützen

MS/MS Parameters of Pesticides

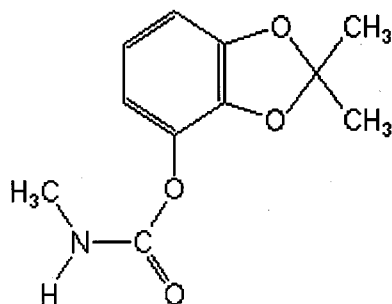
Analyte: Bendiocarb

CAS No.: 22781-23-3

Formula: C₁₁H₁₃NO₄

Molecular mass (lowest isotopes): 223,10 amu

Structure:



Ionisation: ESI +

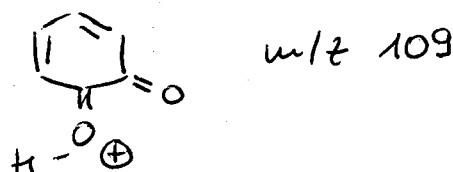
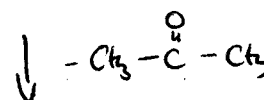
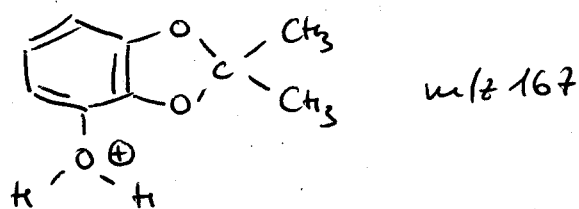
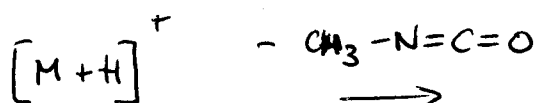
Quasimolecular ion: 224,1 amu = [M+H]⁺

Analyte sensitive parameter set (API 2000)

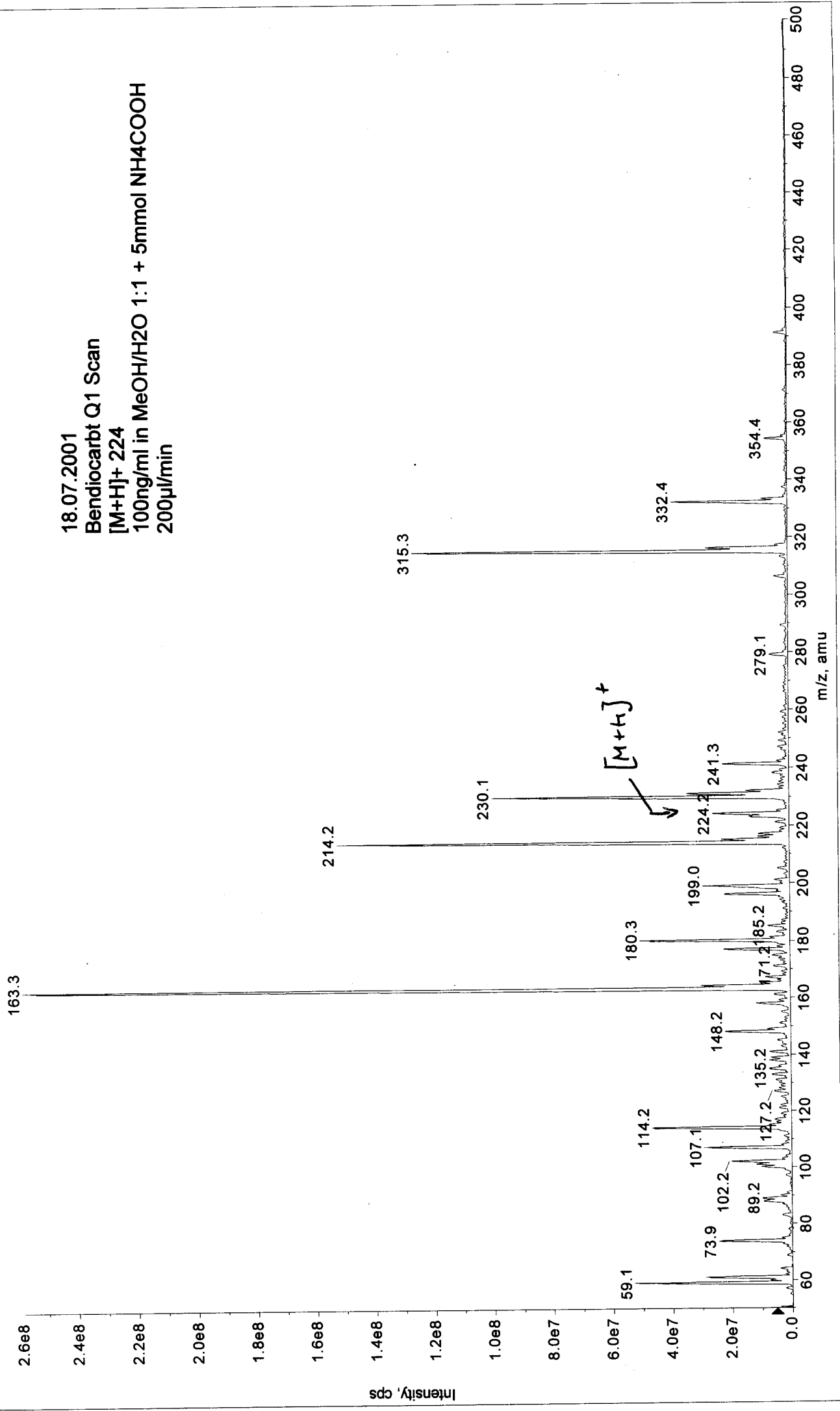
Transition	224,1 → 167,2	224,1 → 108,9
Declustering potential (DP) ^{*)}	9 V	9 V
Focusing potential (FP)	360 V	300 V
Entrance potential (EP)	11,0 V	10,0 V
Collision cell entrance potential (CEP)	14 V	12 V
Collision energy (CE)	13 V	21 V
Collision cell exit potential (CXP)	8 V	6 V

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

Fragmentation



18.07.2001
Bendiocarb Q1 Scan
[M+H]⁺ 224
100ng/ml in MeOH/H₂O 1:1 + 5mmol NH₄COOH
200µl/min



18.07.2001
Bendiocarb Q3 Scan 224 → 167
[M+H]⁺ 224
100ng/ml in MeOH/H₂O 1:1 + 5mmol NH₄COOH
200μl/min

