

**BfR**

Risiken erkennen – Gesundheit schützen

MS/MS Parameters of Pesticides

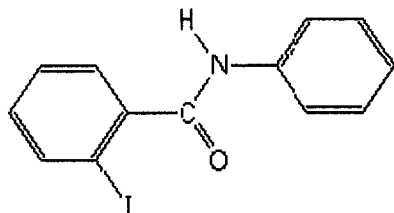
Analyte: Benodanil

CAS No.: 15310-01-7

Formula: C₁₃H₁₀INO

Molecular mass (lowest isotopes): 322,98 amu

Structure:



Ionisation: ESI +

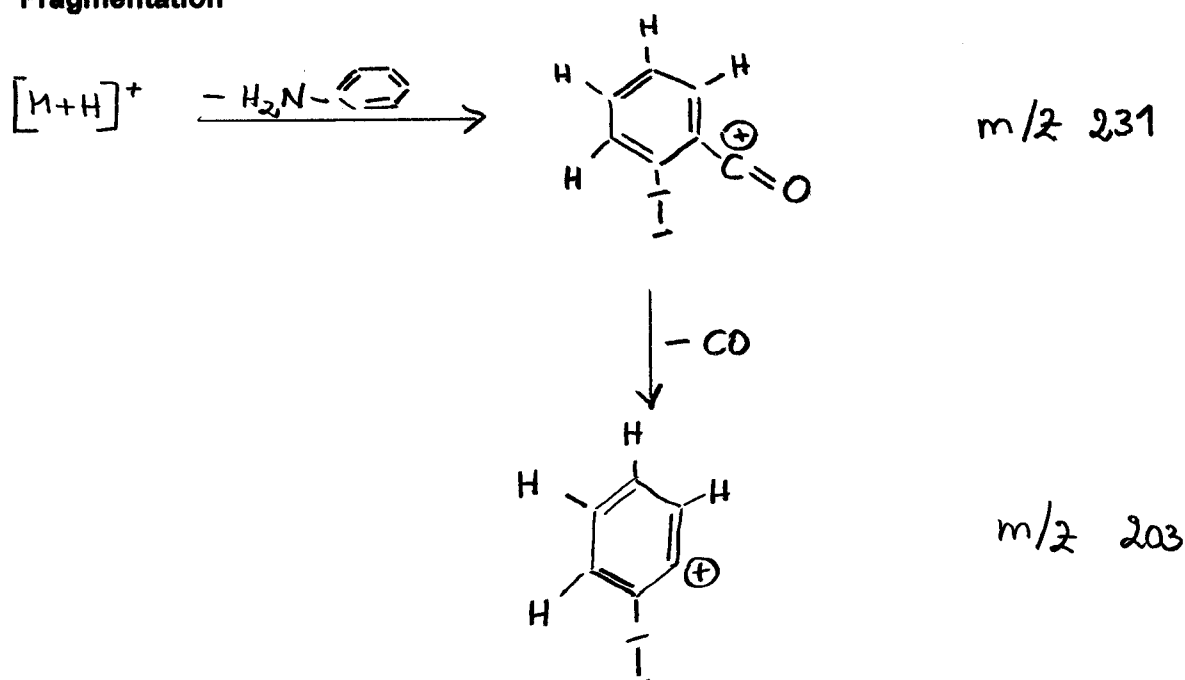
Quasimolecular ion: 324,0 amu = [M+H]⁺

Analyte sensitive parameter set (API 2000)

Transition	324,0 → 230,9	324,0 → 202,9
Declustering potential (DP) ^{*)}	43,5 V	43,5 V
Focusing potential (FP)	370 V	370 V
Entrance potential (EP)	12 V	12 V
Collision cell entrance potential (CEP)	18 V	20 V
Collision energy (CE)	31 V	47 V
Collision cell exit potential (CXP)	12 V	10 V

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

Fragmentation

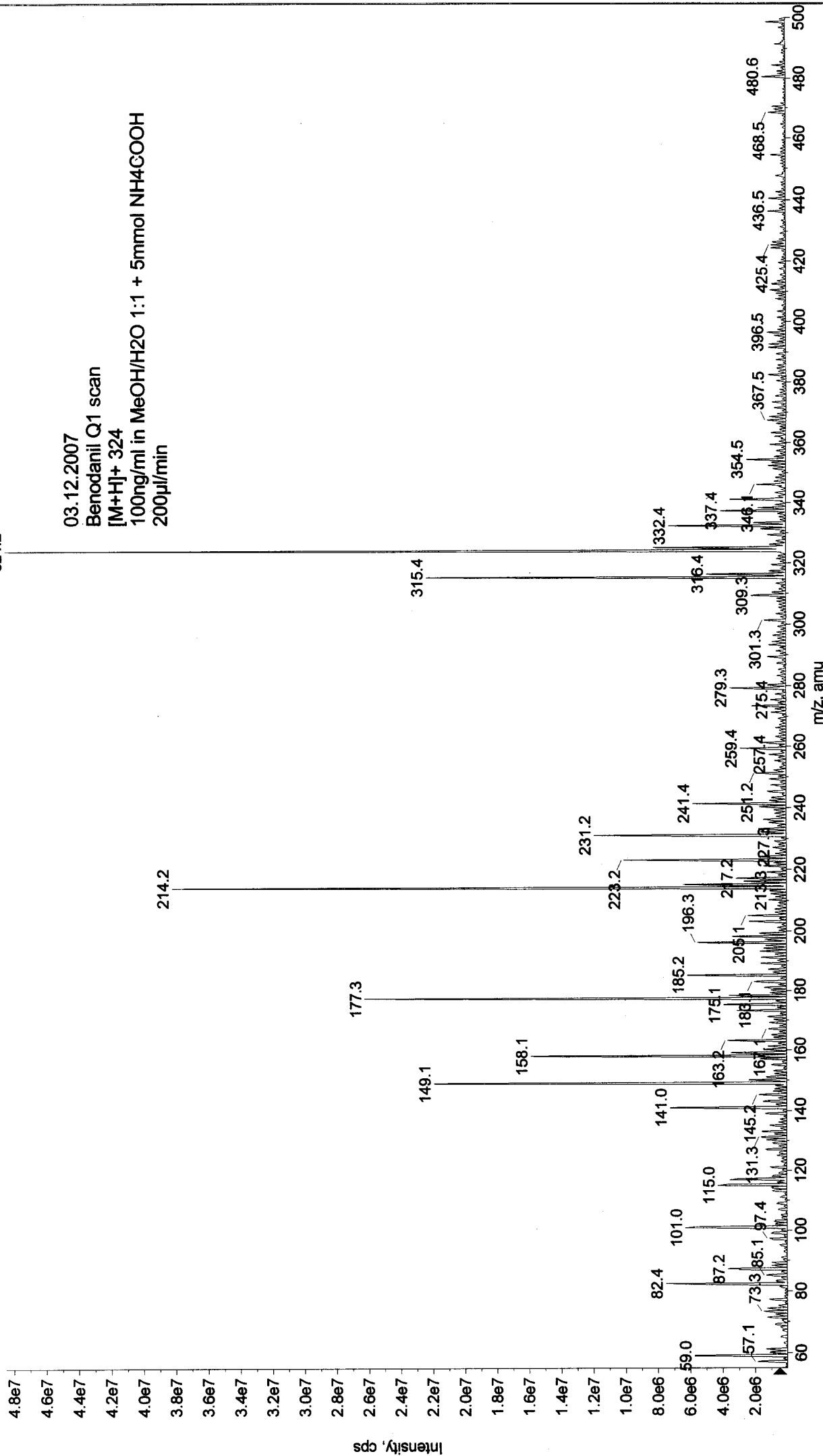


+Q1: 30 MCA scans from Sample 1 (TuneSampleID) of MT20071203142613.wiff (Turbo Spray)

Max. 4.9e7 cps

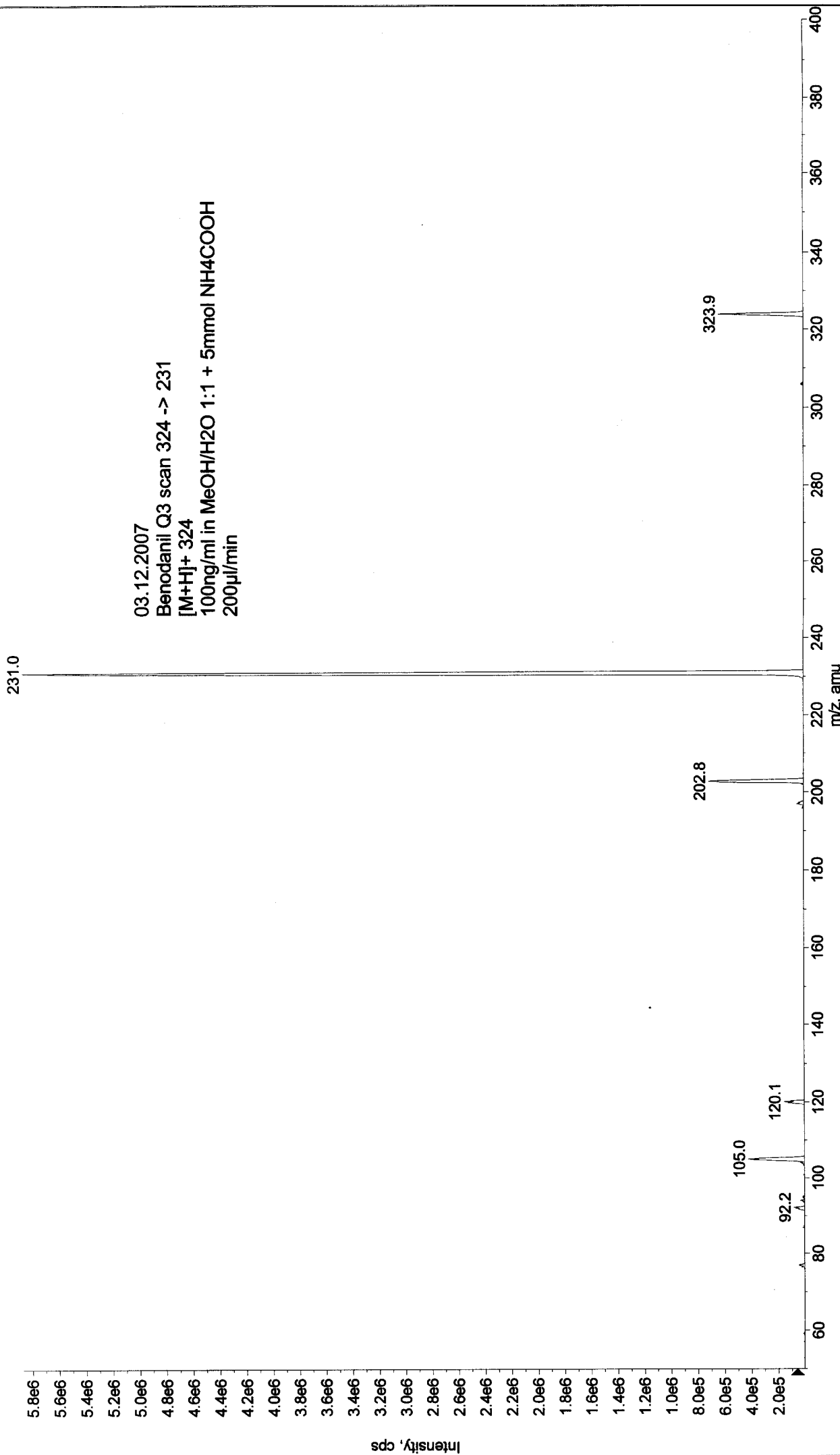
03.12.2007
Benodanil Q1 scan
[M+H]⁺ 324
100ng/ml in MeOH/H₂O 1:1 + 5mmol NH₄COOH
200µl/min

[M+H]⁺
324.2



■ +MS2 (324.00): 30 MCA scans from Sample 1 (TuneSampleID) of MT20071203144235.wiff (Turbo Spray)

Max. 5.9e6 cps



+Q1: 30 MCA scans from Sample 1 (TuneSampleID) of MT20071203145235.wiff (Turbo Spray)

Max. 5.7e7 cps

03.12.2007
Benodanil_203 Q1 scan
[M+H]⁺ 324
100ng/ml in MeOH/H₂O 1:1 + 5mmol NH₄COOH
200µl/min

