

**BfR**

Risiken erkennen – Gesundheit schützen

MS/MS Parameters of Pesticides

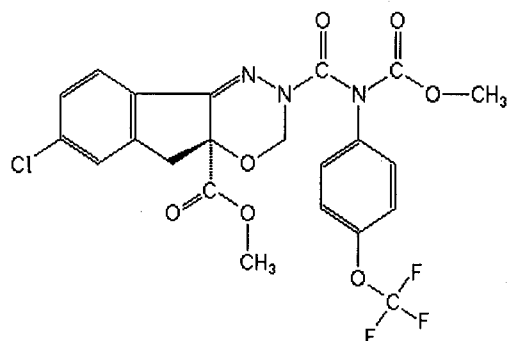
Analyte: Indoxacarb

CAS No.: 173584-44-6

Formula: C₂₂H₁₇ClF₃N₃O₇

Molecular mass (lowest isotopes): 527,07 amu

Structure:



Ionisation: ESI +

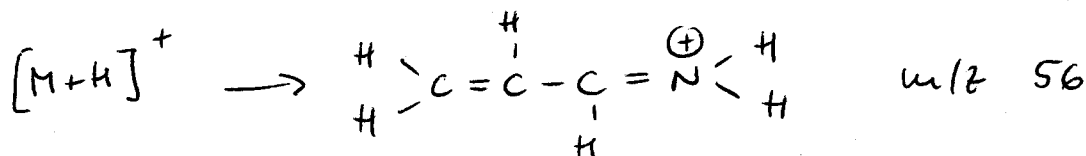
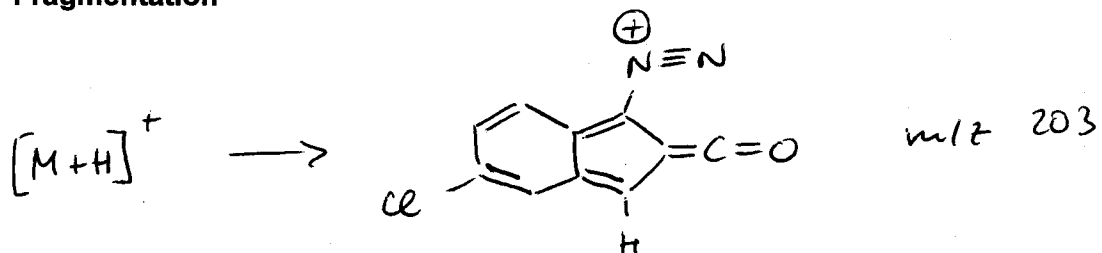
Quasimolecular ion: 528,1 amu = [M+H]⁺

Analyte sensitive parameter set (API 2000)

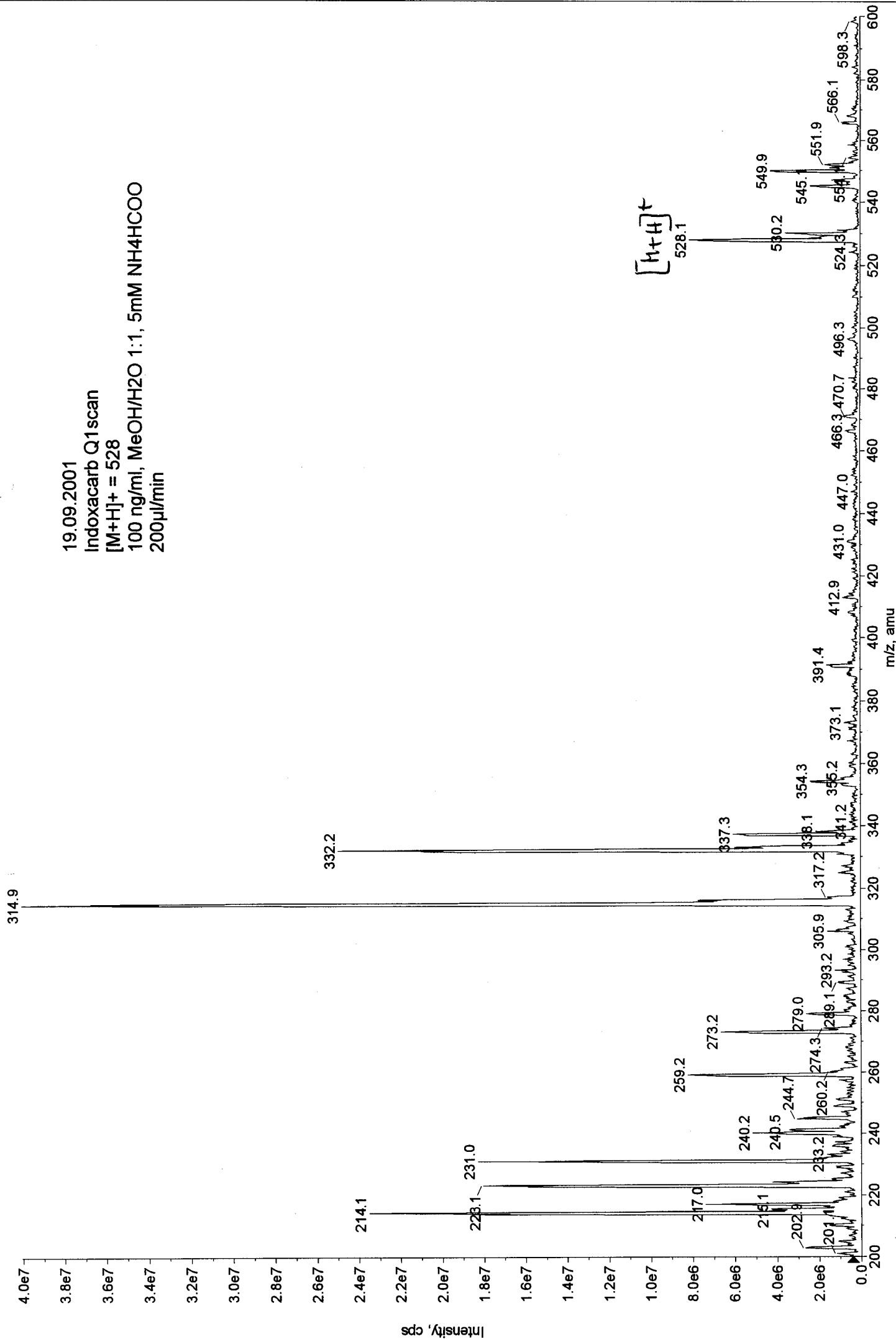
Transition	528,1 → 203,0	528,1 → 56,0
Declustering potential (DP) ^{*)}	76 V	76 V
Focusing potential (FP)	350 V	300 V
Entrance potential (EP)	10,0 V	10,0 V
Collision cell entrance potential (CEP)	22 V	22 V
Collision energy (CE)	51 V	55 V
Collision cell exit potential (CXP)	10 V	8 V

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

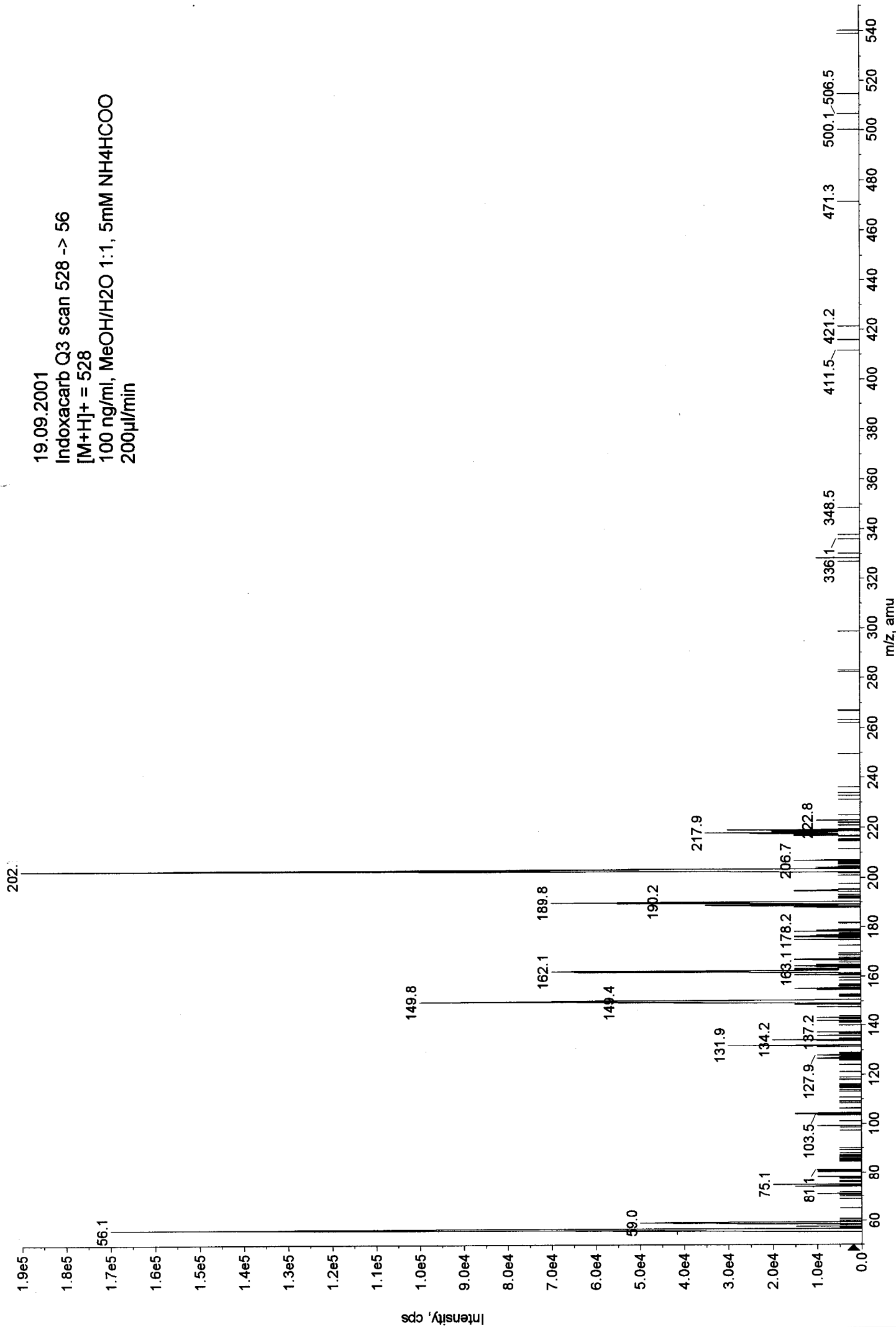
Fragmentation



19.09.2001
Indoxacarb Q1scan
[M+H]⁺ = 528
100 ng/ml, MeOH/H₂O 1:1, 5mM NH₄HCOO
200 µl/min



19.09.2001
 Indoxacarb Q3 scan 528 -> 56
 [M+H]⁺ = 528
 100 ng/ml, MeOH/H₂O 1:1, 5mM NH₄HCOO
 200µl/min



19.09.2001
Indoxacarb203 Q3 scan 528-> 203
[M+H]⁺ = 528
100 ng/ml, MeOH/H₂O 1:1, 5mM NH₄HCOO
200µl/min

