

**BfR**

Risiken erkennen – Gesundheit schützen

MS/MS Parameters of Pesticides

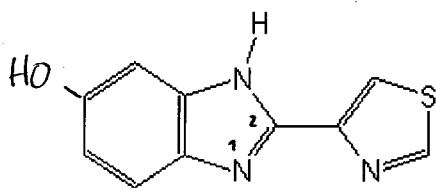
Analyte: 5-Hydroxy-thiabendazol

CAS No.: 948-71-0

Formula: C₁₀H₇N₃OS

Molecular mass (lowest isotopes): 217,03 amu

Structure:



Ionisation: ESI +

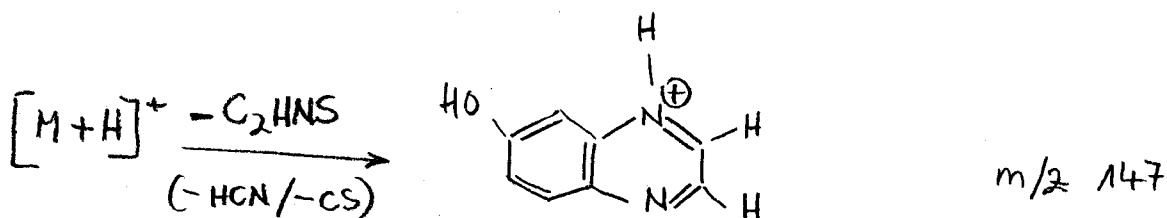
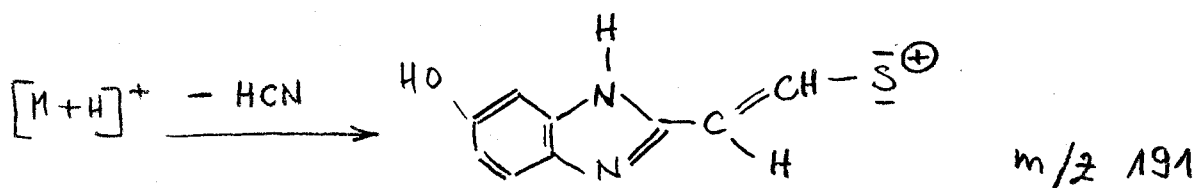
Quasimolecular ion: 218,0 amu = [M+H]⁺

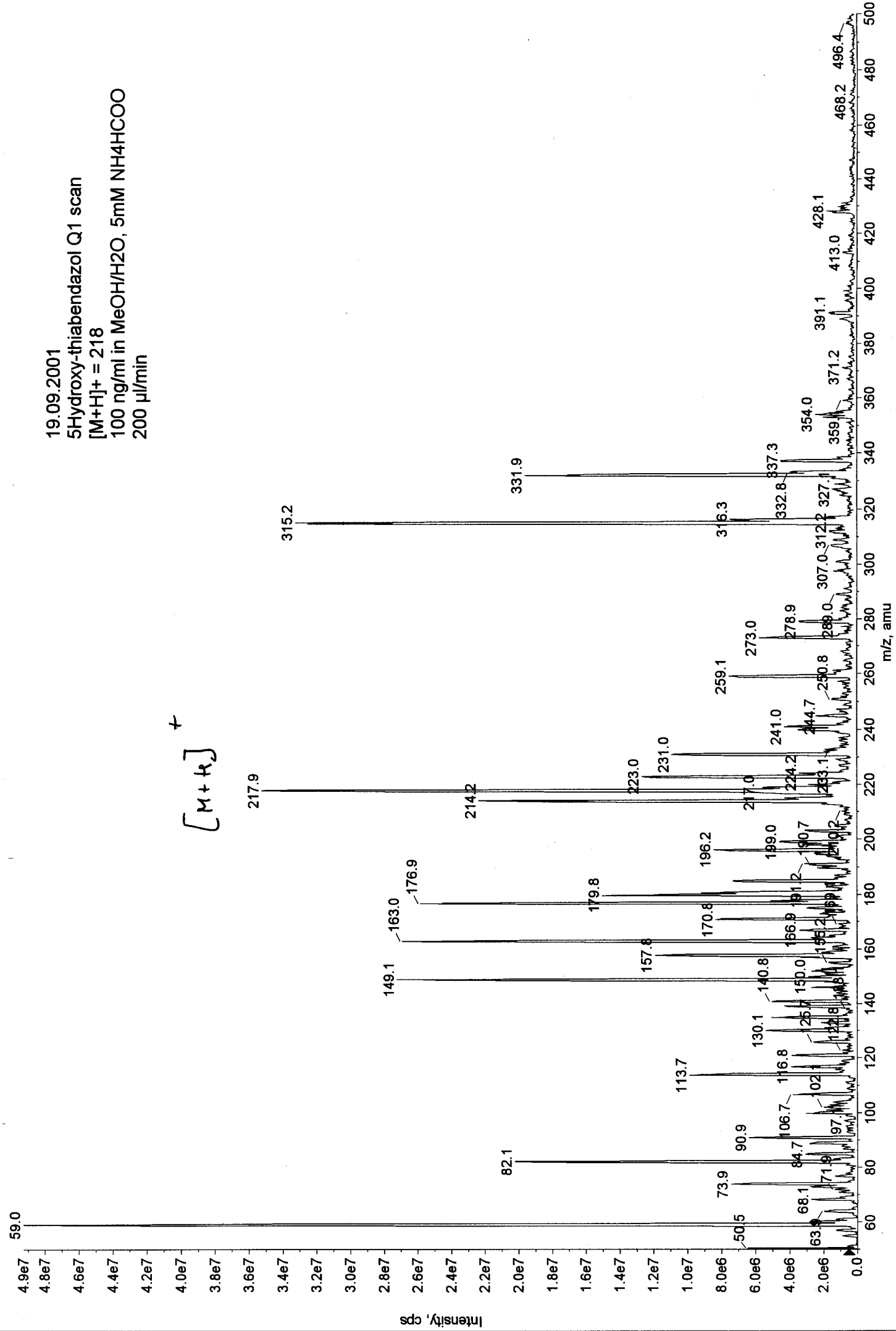
Analyte sensitive parameter set (API 2000)

Transition	218,0 → 190,9	218,0 → 146,9
Declustering potential (DP) ^{*)}	69 V	69 V
Focusing potential (FP)	360 V	360 V
Entrance potential (EP)	10,5 V	12,0 V
Collision cell entrance potential (CEP)	14 V	14 V
Collision energy (CE)	35 V	43 V
Collision cell exit potential (CXP)	10 V	6 V

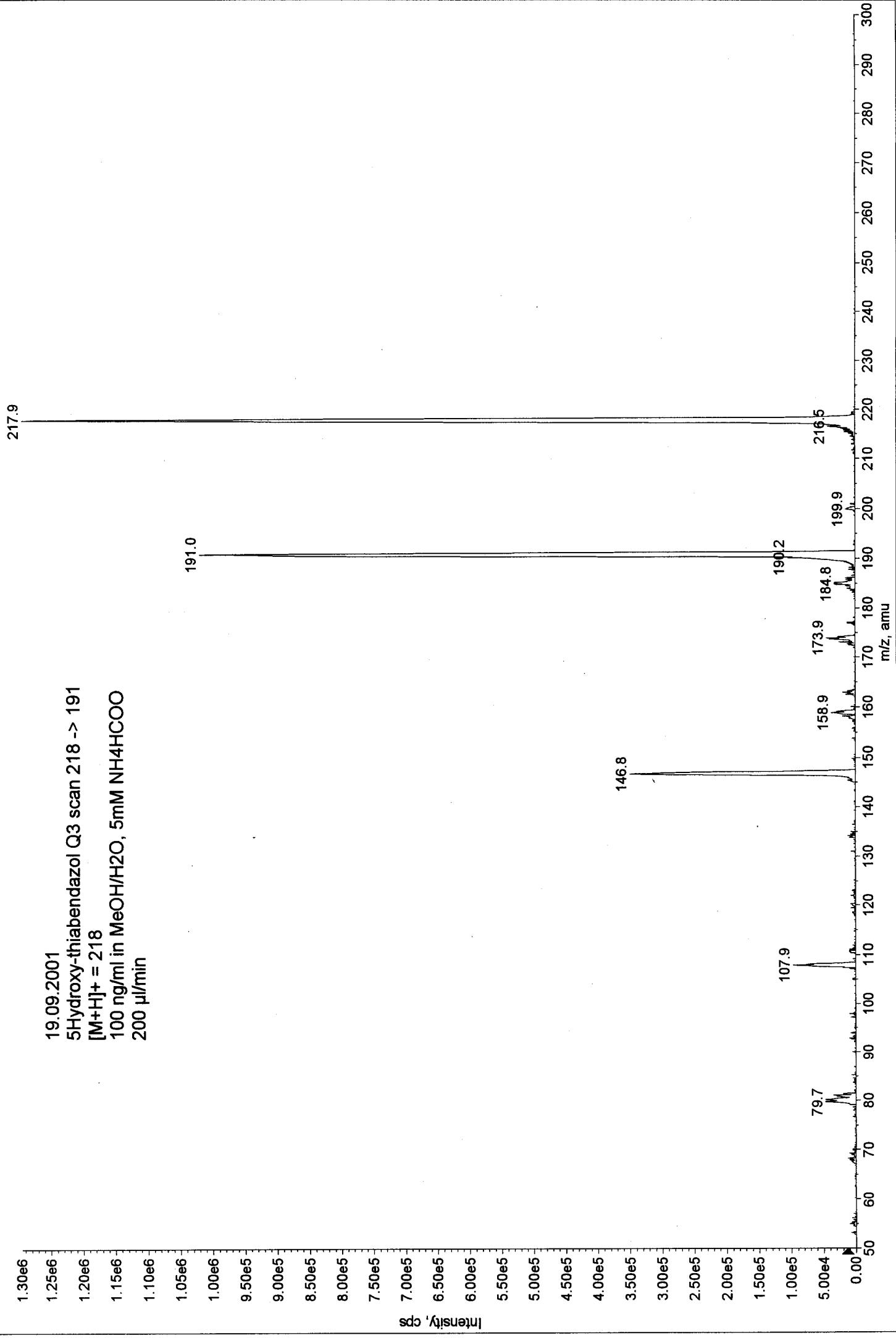
^{*)} For API 3000 and 4000 enhance DP by 20V

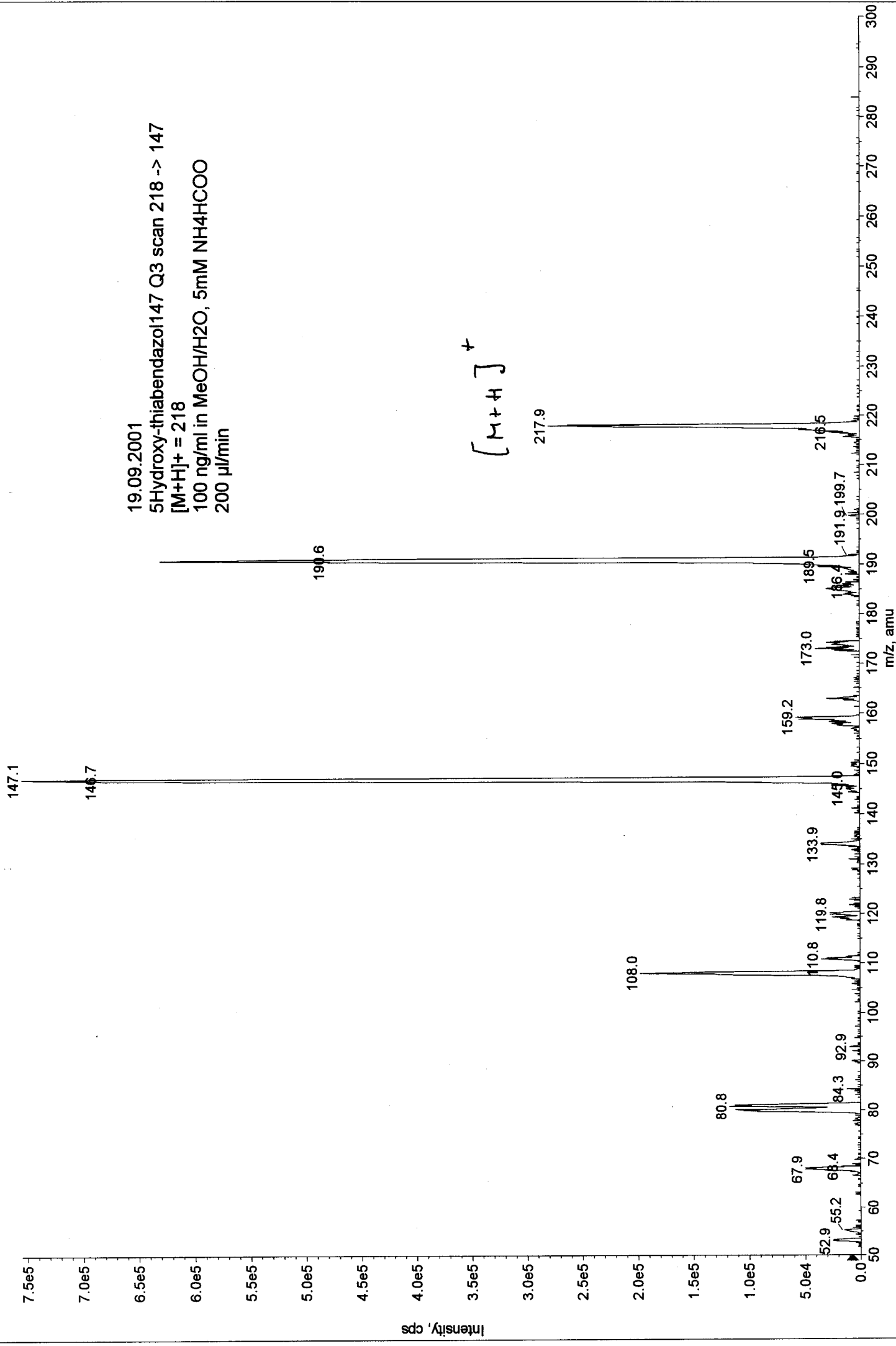
Fragmentation





19.09.2001
5Hydroxy-thiabendazol Q3 scan 218 -> 191
[M+H]⁺ = 218
100 ng/ml in MeOH/H₂O, 5mM NH₄HCOO
200 µl/min





19.09.2001
5-Hydroxy-thiabenzodiazol
[M+H]⁺ = 218
100 ng/ml in MeOH/H₂O, 5mM NH₄HCOO
200 µl/min