

MS/MS Parameters of Pesticides

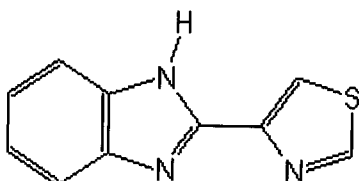
Analyte: Thiabendazol

CAS No.: 148-79-8

Formula: C₁₀H₇N₃S

Molecular mass (lowest isotopes): 201,04 amu

Structure:



Ionisation: ESI +

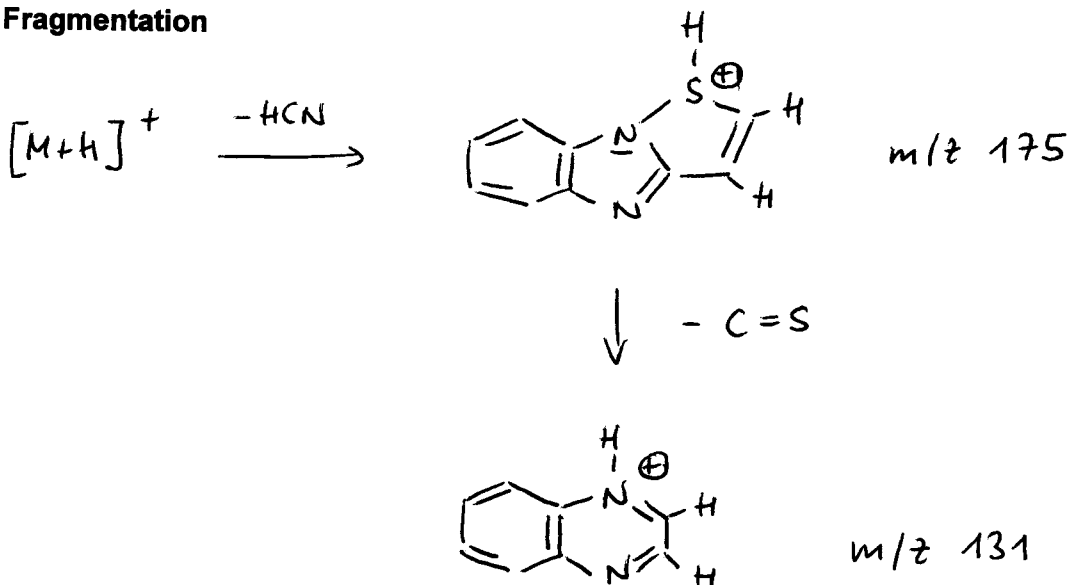
Quasimolecular ion: 202,0 amu = [M+H]⁺

Analyte sensitive parameter set (API 2000)

Transition	202,0 → 131,1	202,0 → 174,9
Declustering potential (DP)*)	59 V	59 V
Focusing potential (FP)	350 V	360 V
Entrance potential (EP)	10,5 V	12,0 V
Collision cell entrance potential (CEP)	12 V	12 V
Collision energy (CE)	43 V	35 V
Collision cell exit potential (CXP)	6 V	8 V

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

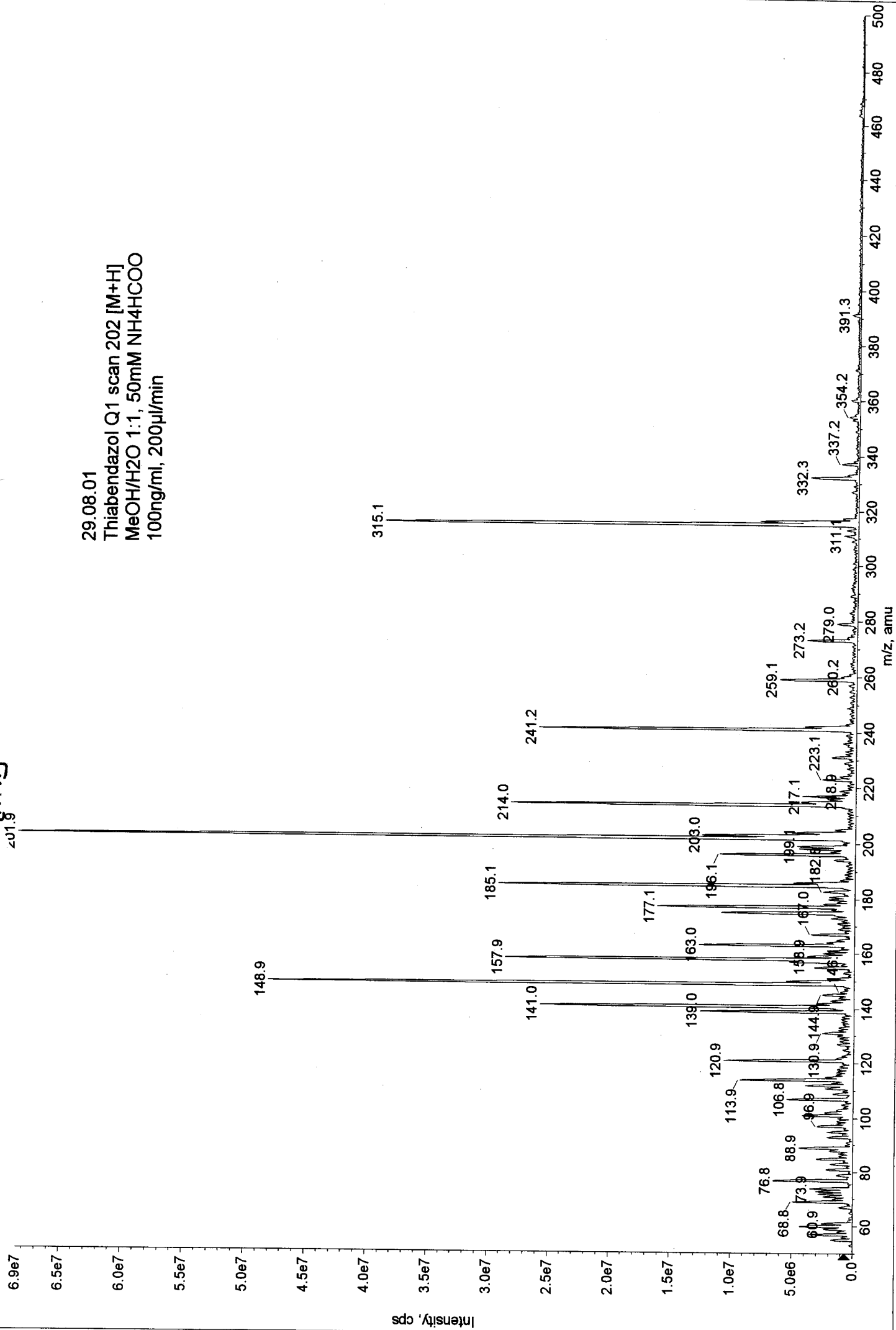
Fragmentation

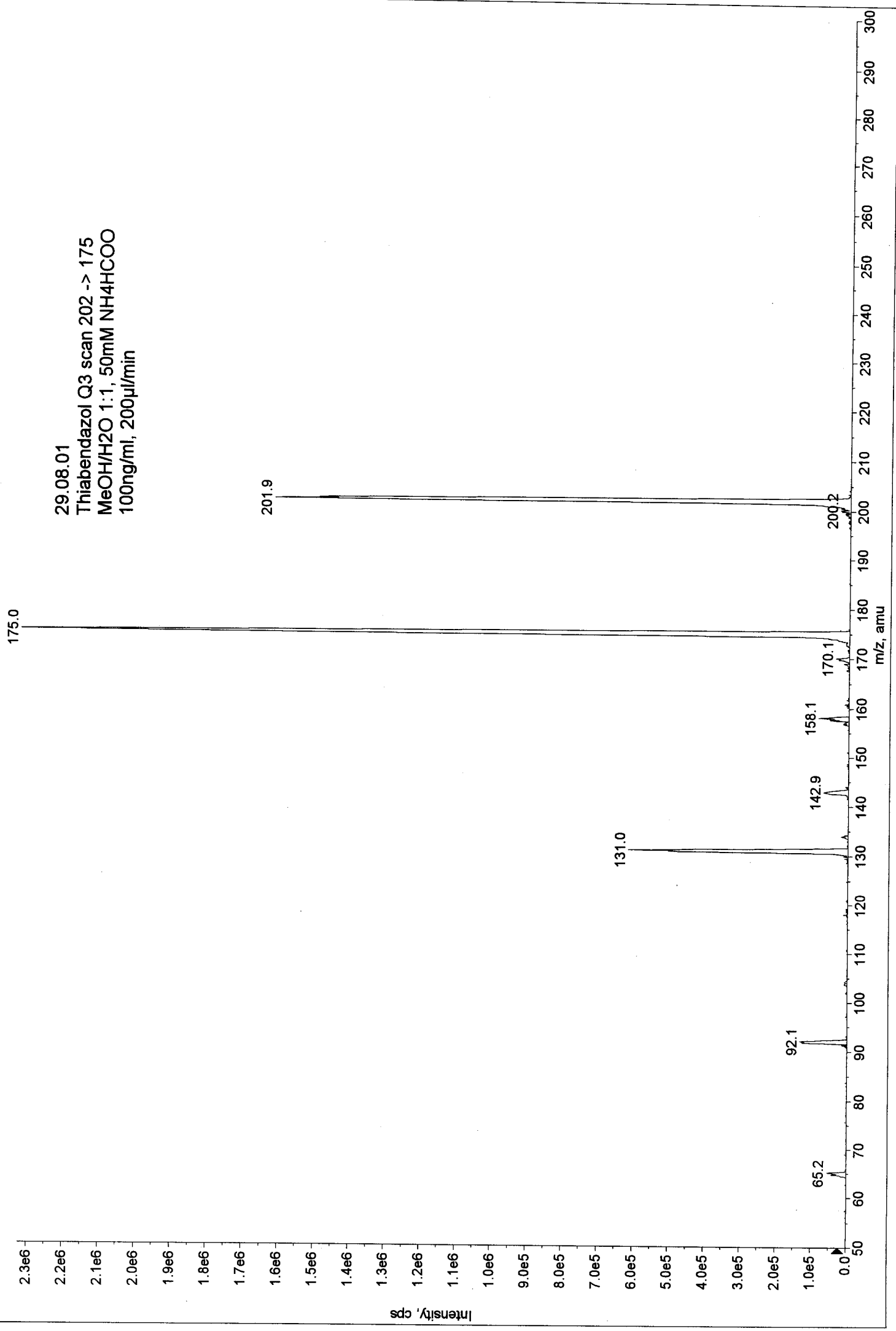


$[M+H]^+$

Max 6.9e7 cps

29.08.01
Thiabendazol Q1 scan 202 [M+H]
MeOH/H₂O 1:1, 50mM NH₄HCOO
100ng/ml, 200µl/min





29.08.01
Thiabendazol Q3 scan 202 -> 175
MeOH/H2O 1:1, 50mM NH4HCOO
100ng/ml, 200µl/min

29.08.01
Thiabendazol131 Q3 scan 202 ->131
MeOH/H2O 1:1, 50mM NH4HCOO
100ng/ml, 200µl/min

