

**BfR**

Risiken erkennen – Gesundheit schützen

MS/MS Parameters of Pesticides

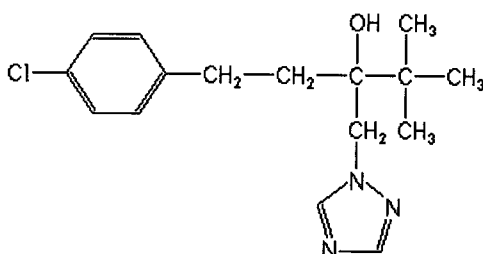
Analyte: Tebuconazol

CAS No.: 107534-96-3

Formula: C₁₆H₂₂ClN₃O

Molecular mass (lowest isotopes): 307,15 amu

Structure:



Ionisation: ESI +

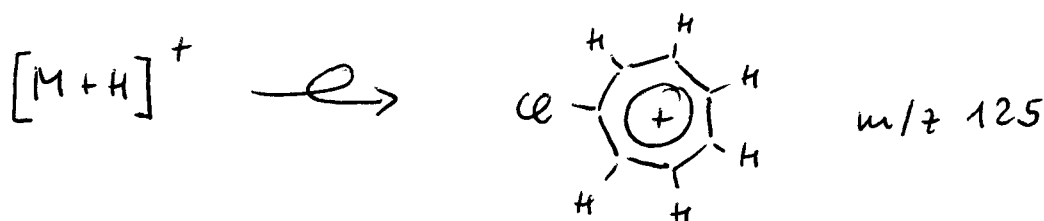
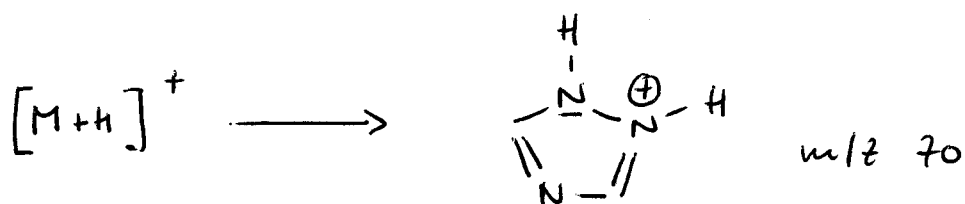
Quasimolecular ion: 308,1 amu = [M+H]⁺

Analyte sensitive parameter set (API 2000)

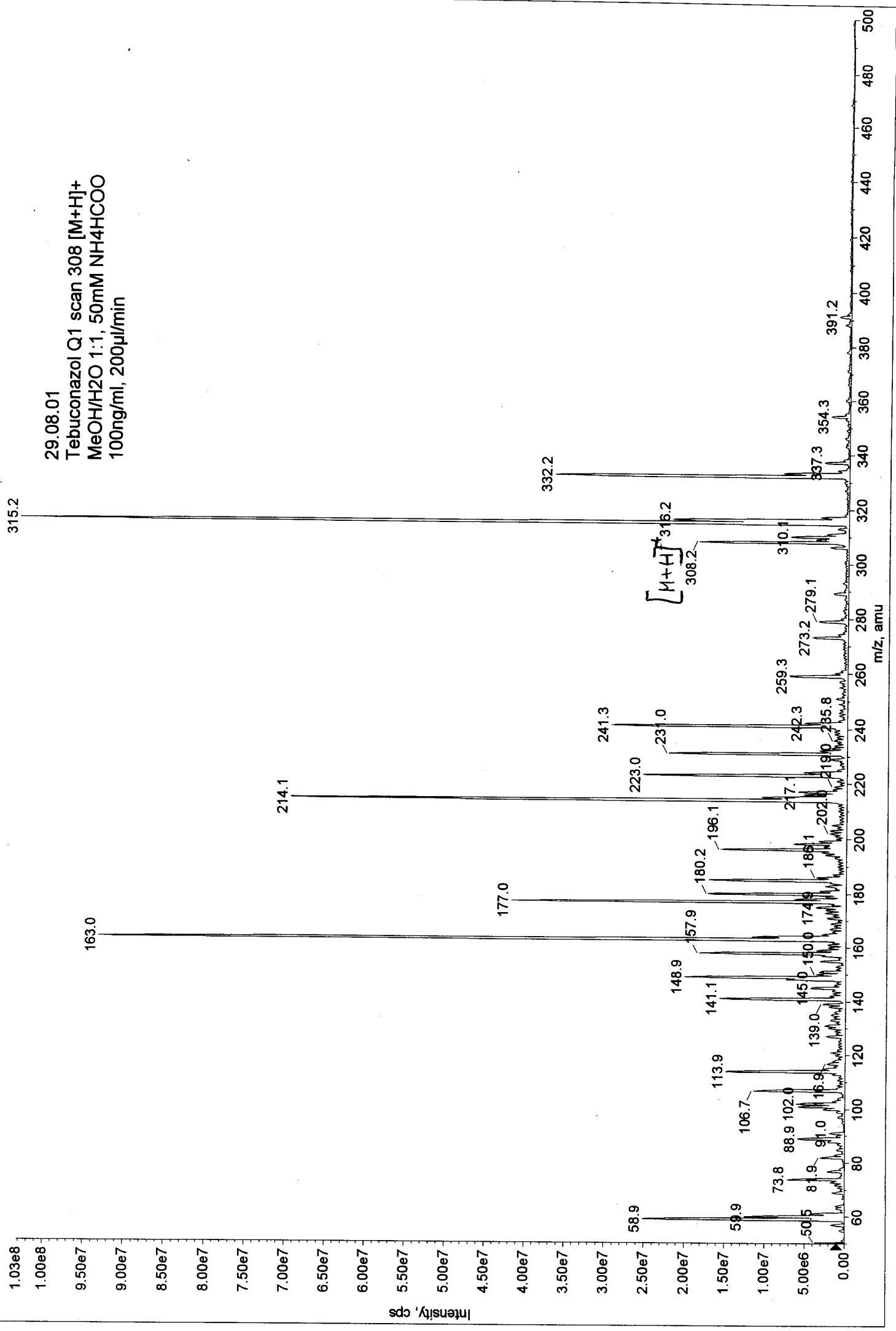
Transition	308,1 → 70,0	308,1 → 124,9
Declustering potential (DP)*)	21 V	21 V
Focusing potential (FP)	360 V	360 V
Entrance potential (EP)	12,0 V	10,0 V
Collision cell entrance potential (CEP)	24 V	22 V
Collision energy (CE)	39 V	47 V
Collision cell exit potential (CXP)	10 V	6 V

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

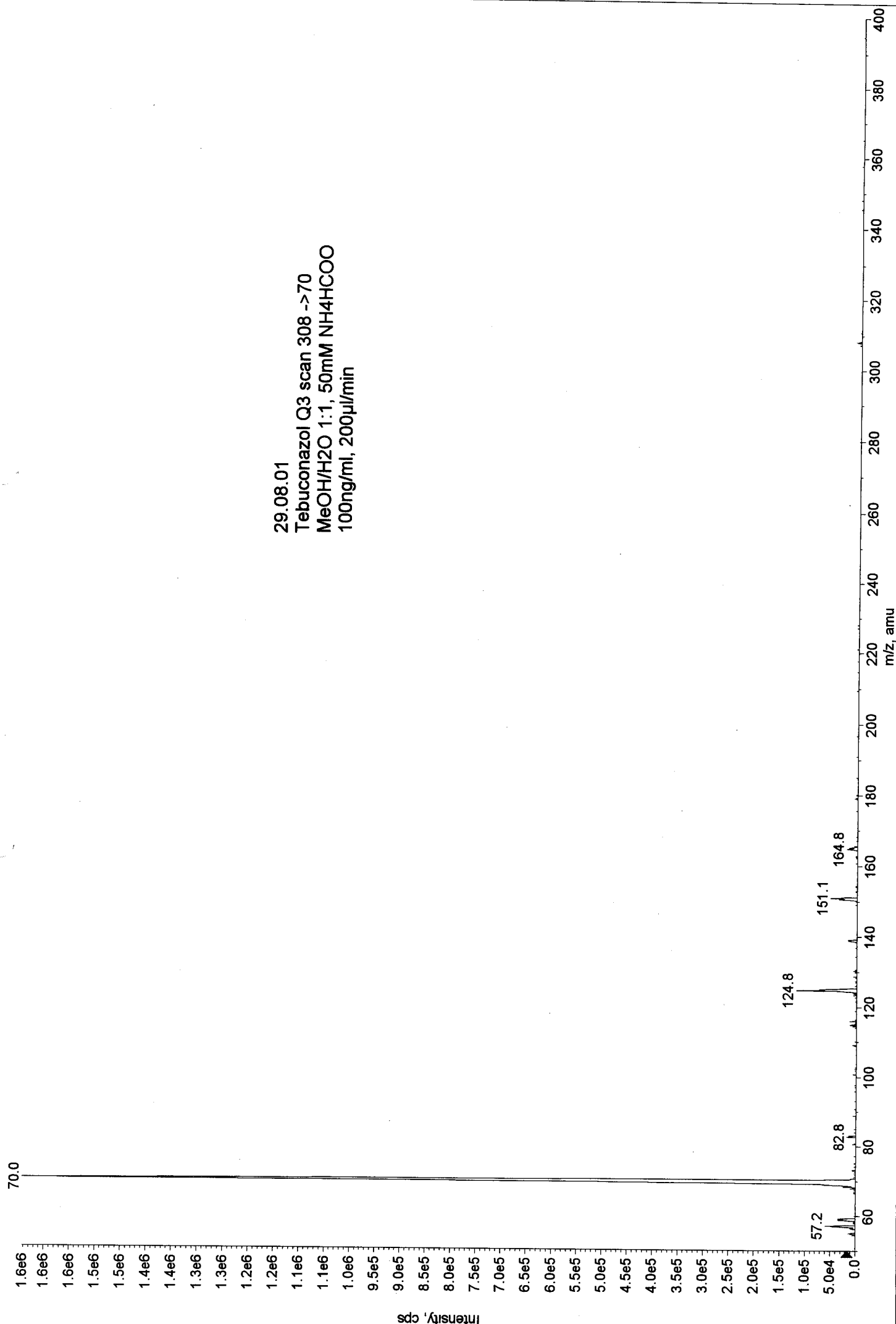
Fragmentation



29.08.01
Tebuconazol Q1 scan 308 [M+H]⁺
MeOH/H₂O 1:1, 50mM NH₄HCOO
100ng/ml, 200µl/min



29.08.01
Tebuconazol Q3 scan 308 ->70
MeOH/H2O 1:1, 50mM NH4HCOO
100ng/ml, 200µl/min



29.08.01
Tebuconazol125 Q3 scan 308 ->125
MeOH/H2O 1:1, 50mM NH4HCOO
100ng/ml, 200µl/min

