

MS/MS Parameters of Pesticides

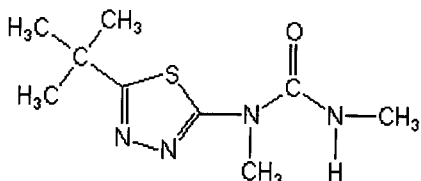
Analyte: Tebuthiuron

CAS No.: 34014-18-1

Formula: C₉H₁₆N₄O₂S

Molecular mass (lowest isotopes): 228,10 amu

Structure:



Ionisation: ESI +

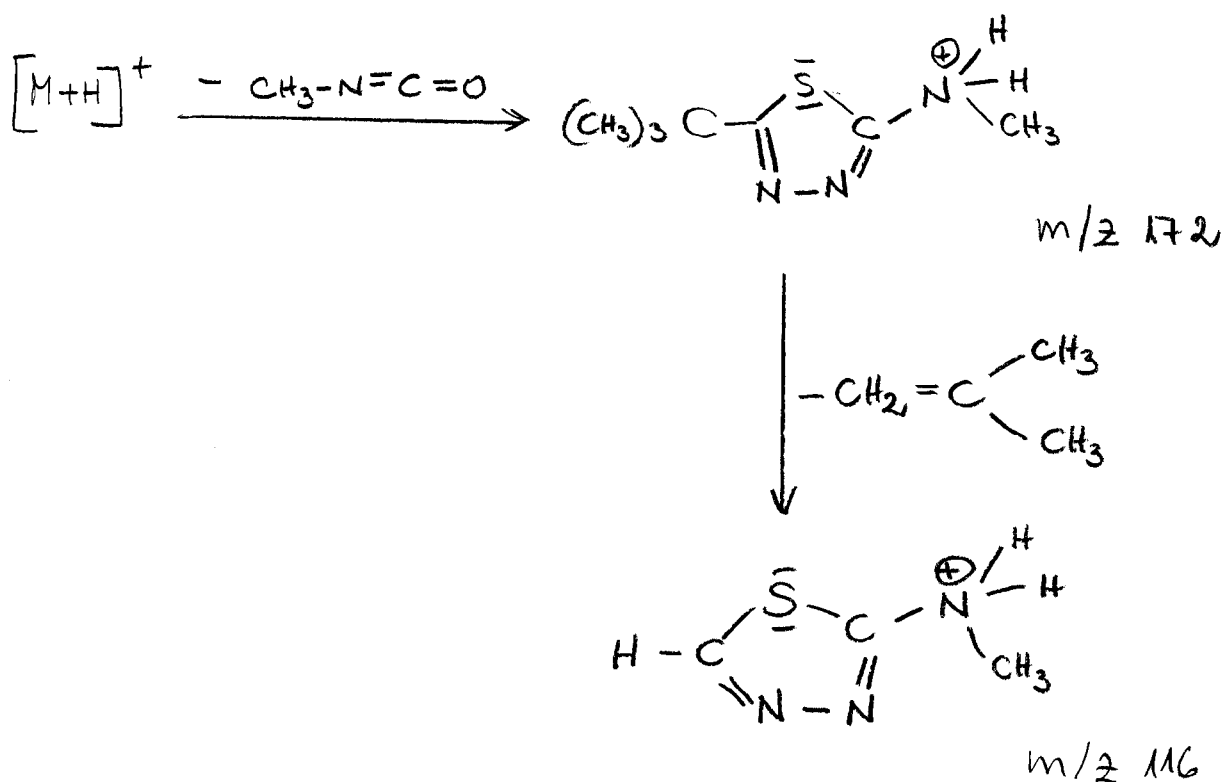
Quasimolecular ion: 229,1 amu = [M+H]⁺

Analyte sensitive parameter set (API 2000)

Transition	229,1 → 172,2	229,1 → 116,0
Declustering potential (DP)*)	24 V	24 V
Focusing potential (FP)	370 V	360 V
Entrance potential (EP)	10,0 V	10,5 V
Collision cell entrance potential (CEP)	16 V	14 V
Collision energy (CE)	23 V	35 V
Collision cell exit potential (CXP)	8 V	6 V

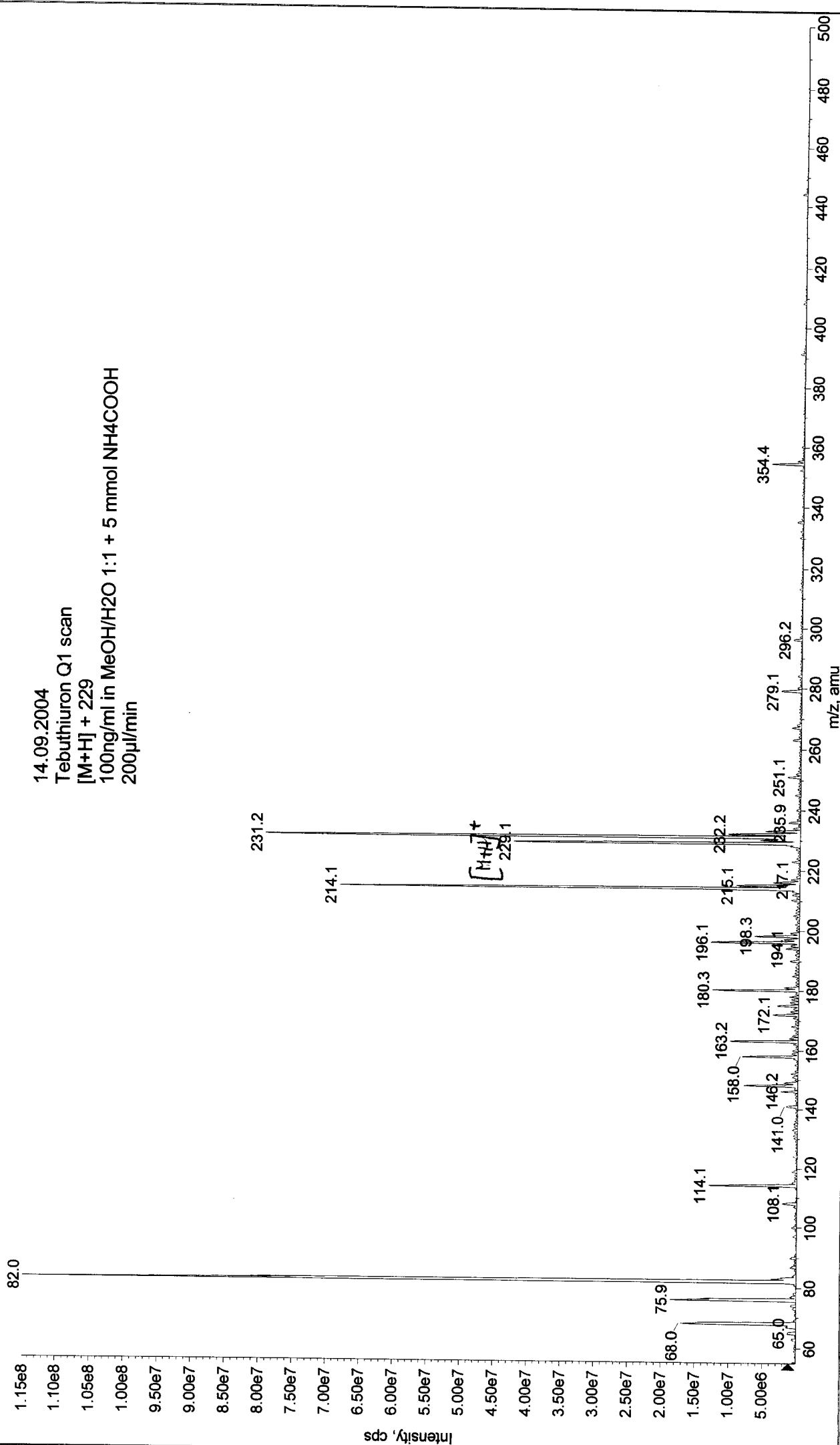
*) For API 3000 and 4000 enhance DP by 20V

Fragmentation



+Q1: 30 MCA scans from Sample 1 (TuneSampleID) of MT20040914084052.wiff (Turbo Spray)

Max 1.1e8 cps.



+MS2 (229.00): 30 MCA scans from Sample 1 (TuneSampleID) of MT20040914084236.wiff (Turbo Spray) Max. 7.2e6 cps

