

MS/MS Parameters of Pesticides

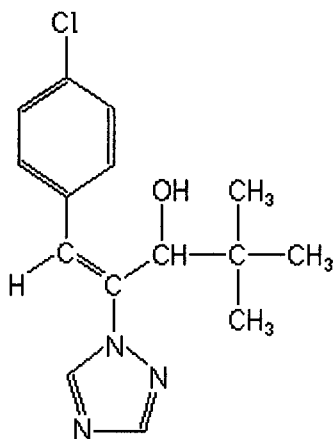
Analyte: Uniconazole

CAS No.: 83657-22-1

Formula: C₁₅H₁₈ClN₃O

Molecular mass (lowest isotopes): 291,11 amu

Structure:



Ionisation: ESI +

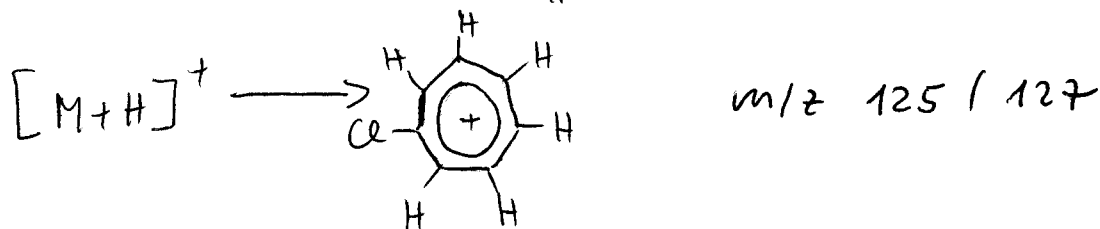
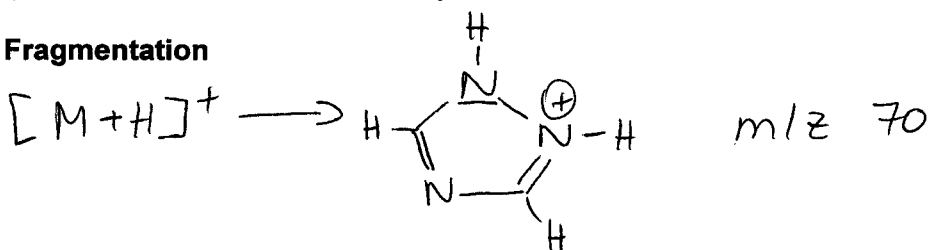
Quasimolecular ion: 292,1 amu = [M+H]⁺

Analyte sensitive parameter set (API 2000)

Transition	292,1 → 70,1	292,1 → 125,1
Declustering potential (DP) ^{*)}	39V	39 V
Focusing potential (FP)	370 V	360 V
Entrance potential (EP)	11,0 V	12,0 V
Collision cell entrance potential (CEP)	18 V	18 V
Collision energy (CE)	37 V	37 V
Collision cell exit potential (CXP)	10 V	6 V

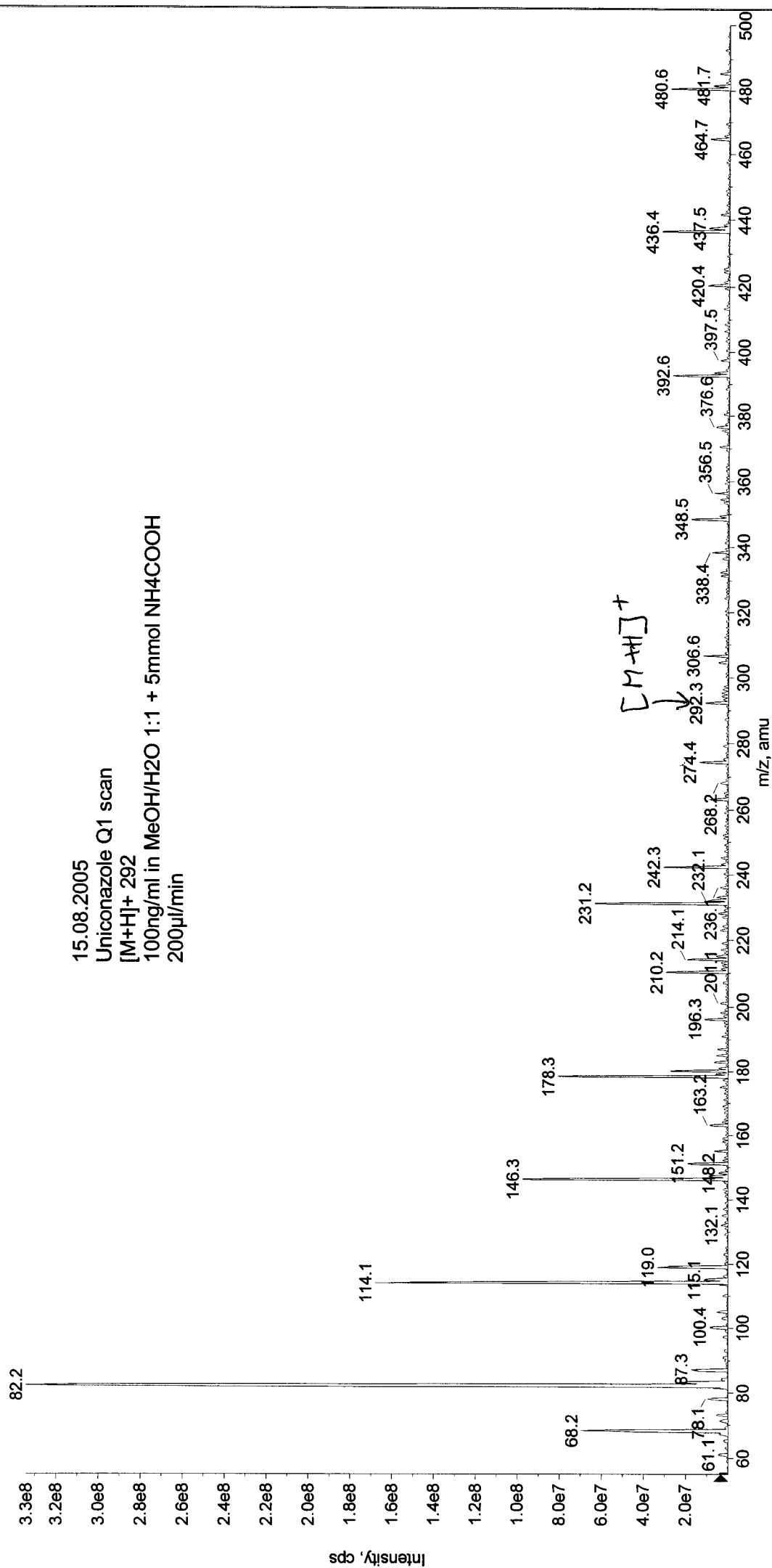
^{*)} For API 3000 and 4000 enhance DP by 20V

Fragmentation

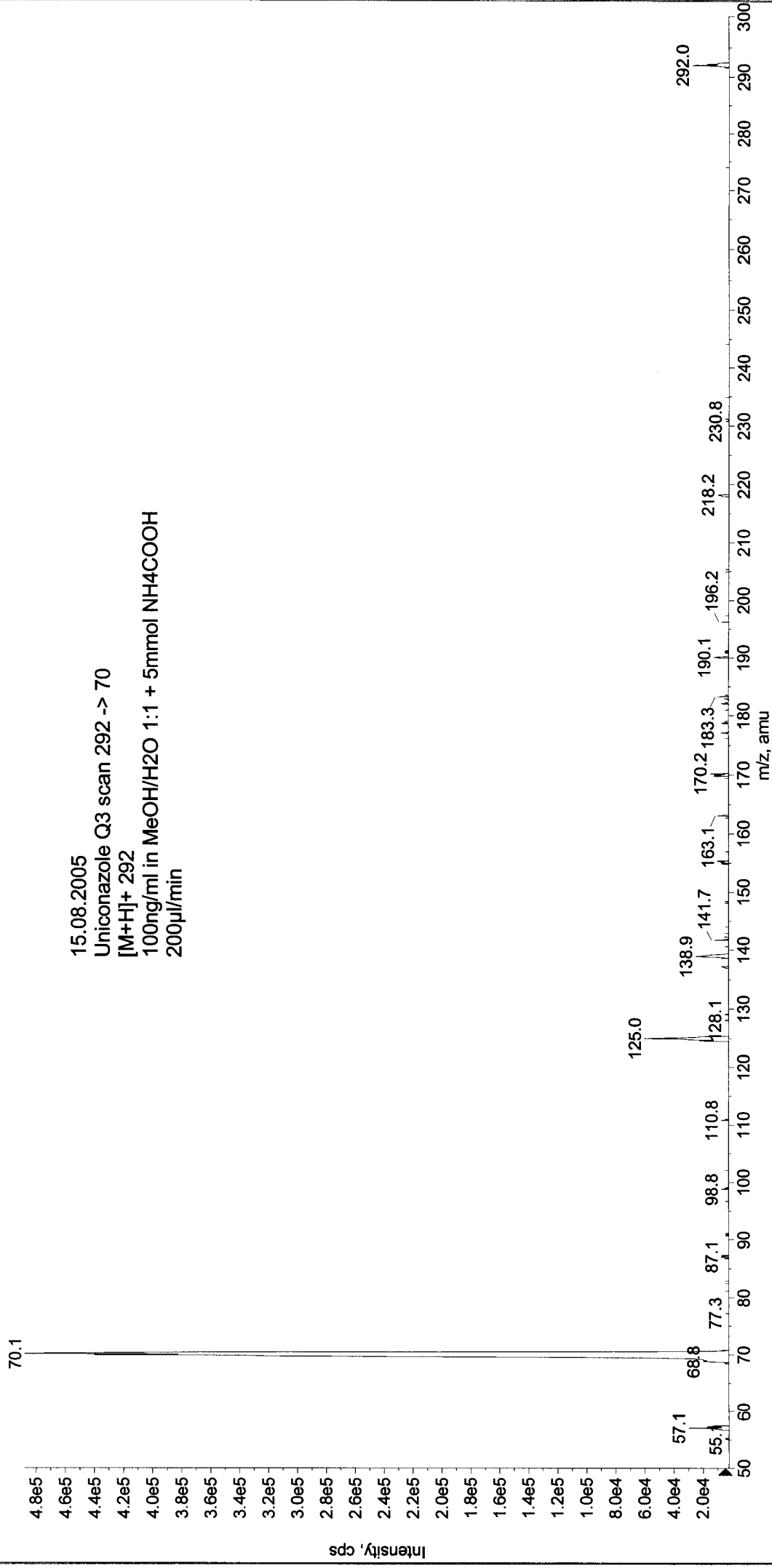


+Q1: 30 MCA scans from Sample 1 (TuneSampleID) of MT20050815104737.wiff (Turbo Spray)

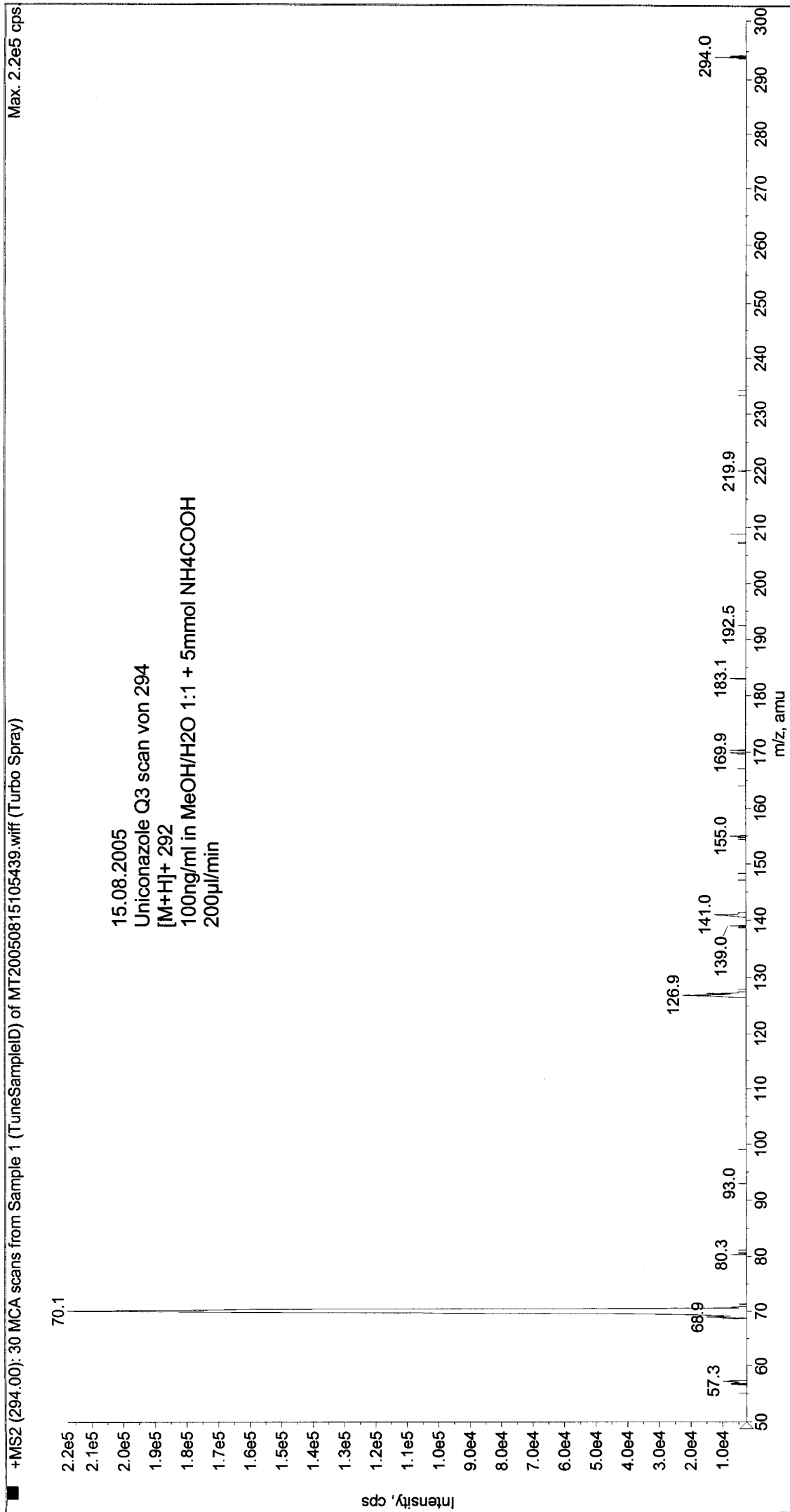
Max. 3.3e8 cps



+MS2 (292.00): 30 MCA scans from Sample 1 (TuneSampleID) of MT20050815105027.wiff (Turbo Spray) Max. 4.9e5 cps



15.08.2005
Uniconazole Q3 scan 292 -> 70
[M+H]⁺ 292
100ng/ml in MeOH/H₂O 1:1 + 5mmol NH₄COOH
200µl/min



■ +MS2 (292.00): 30 MCA scans from Sample 1 (TuneSampleID) of MT20050815111109.wiff (Turbo Spray) Max. 5.1e5 cps

