

MS/MS Parameters of Pesticides

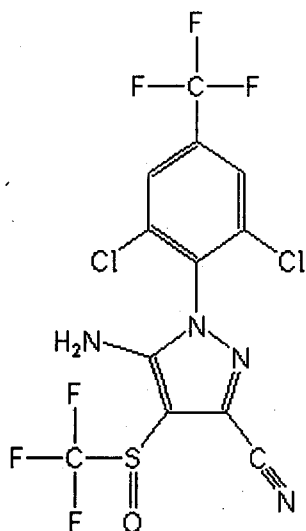
Analyte: Fipronil

CAS No.: 120068-37-3

Formula: C₁₂H₄Cl₂F₆N₄OS

Molecular mass (lowest isotopes): 435,94 amu

Structure:



Ionisation: ESI +

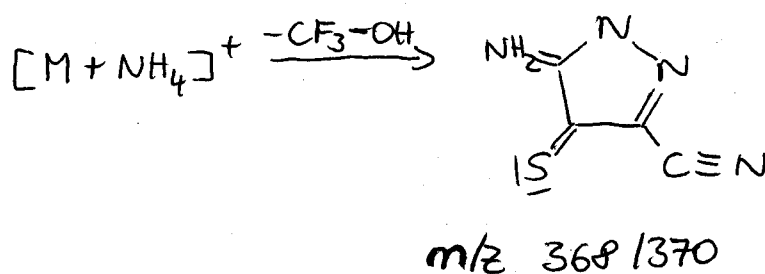
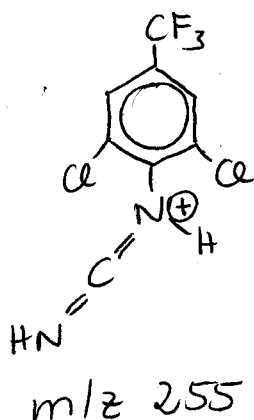
Quasimolecular ion: 453,9 amu = [M+NH₄]⁺

Analyte sensitive parameter set (API 2000)

Transition	453,9 → 368,1	453,9 → 255,1
Declustering potential (DP) ^{*)}	14V	14 V
Focusing potential (FP)	370 V	360 V
Entrance potential (EP)	7,0 V	9,0 V
Collision cell entrance potential (CEP)	24 V	22 V
Collision energy (CE)	29 V	51 V
Collision cell exit potential (CXP)	20 V	14 V

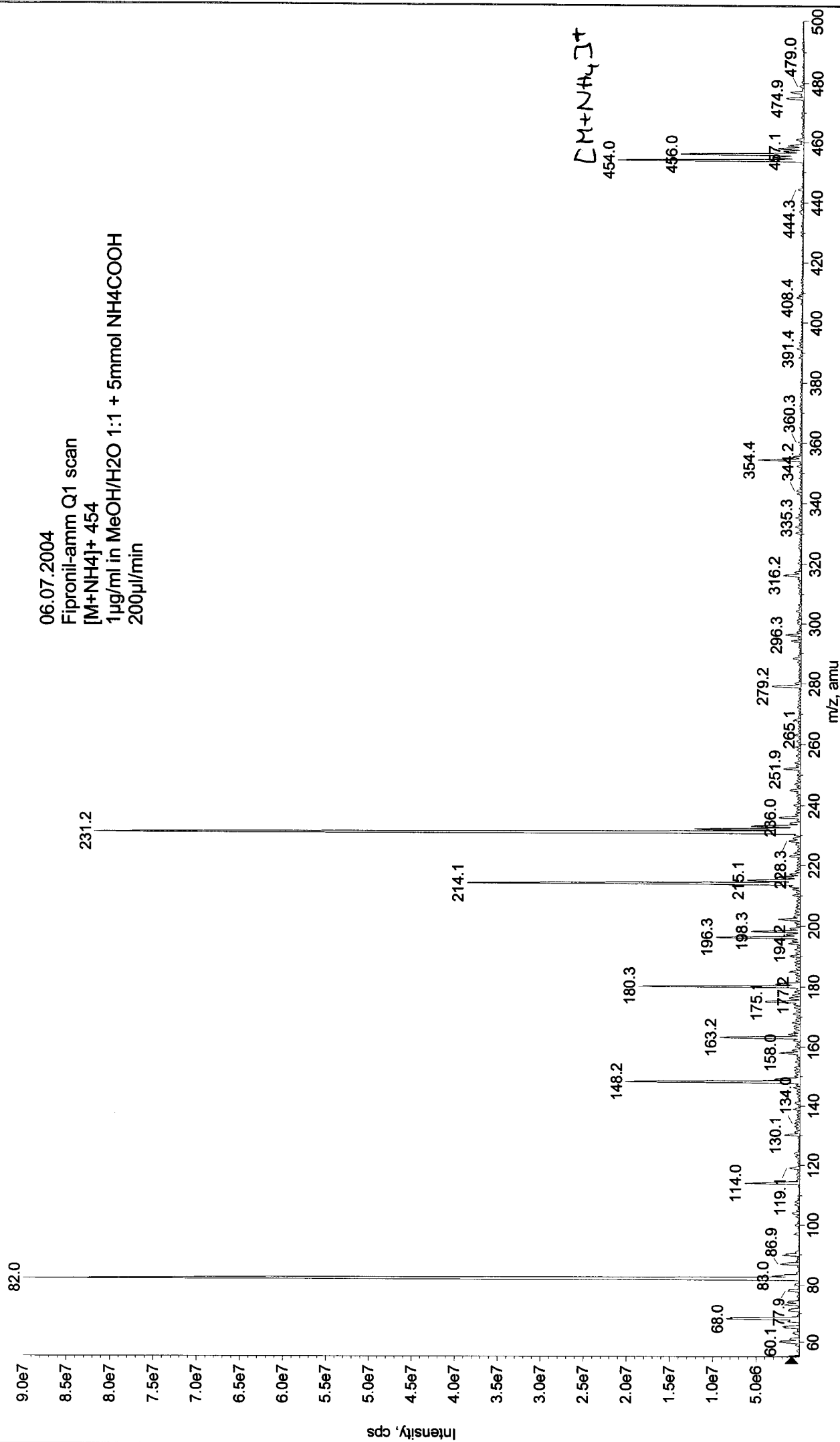
^{*)} For API 3000 and 4000 enhance DP by 20V

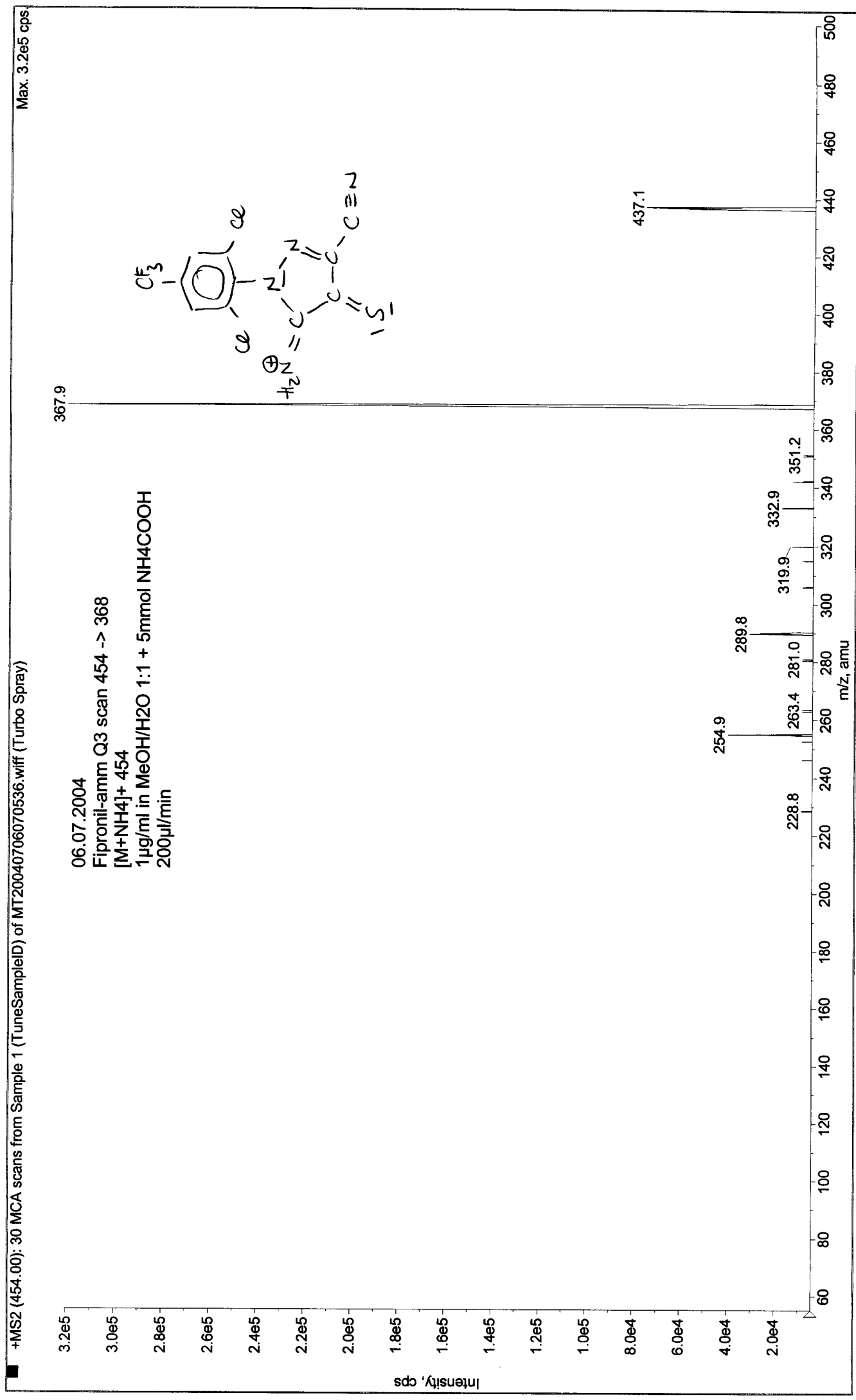
Fragmentation



+Q1: 30 MCA scans from Sample 1 (TuneSampleID) of MT20040706070022.wiff (Turbo Spray)

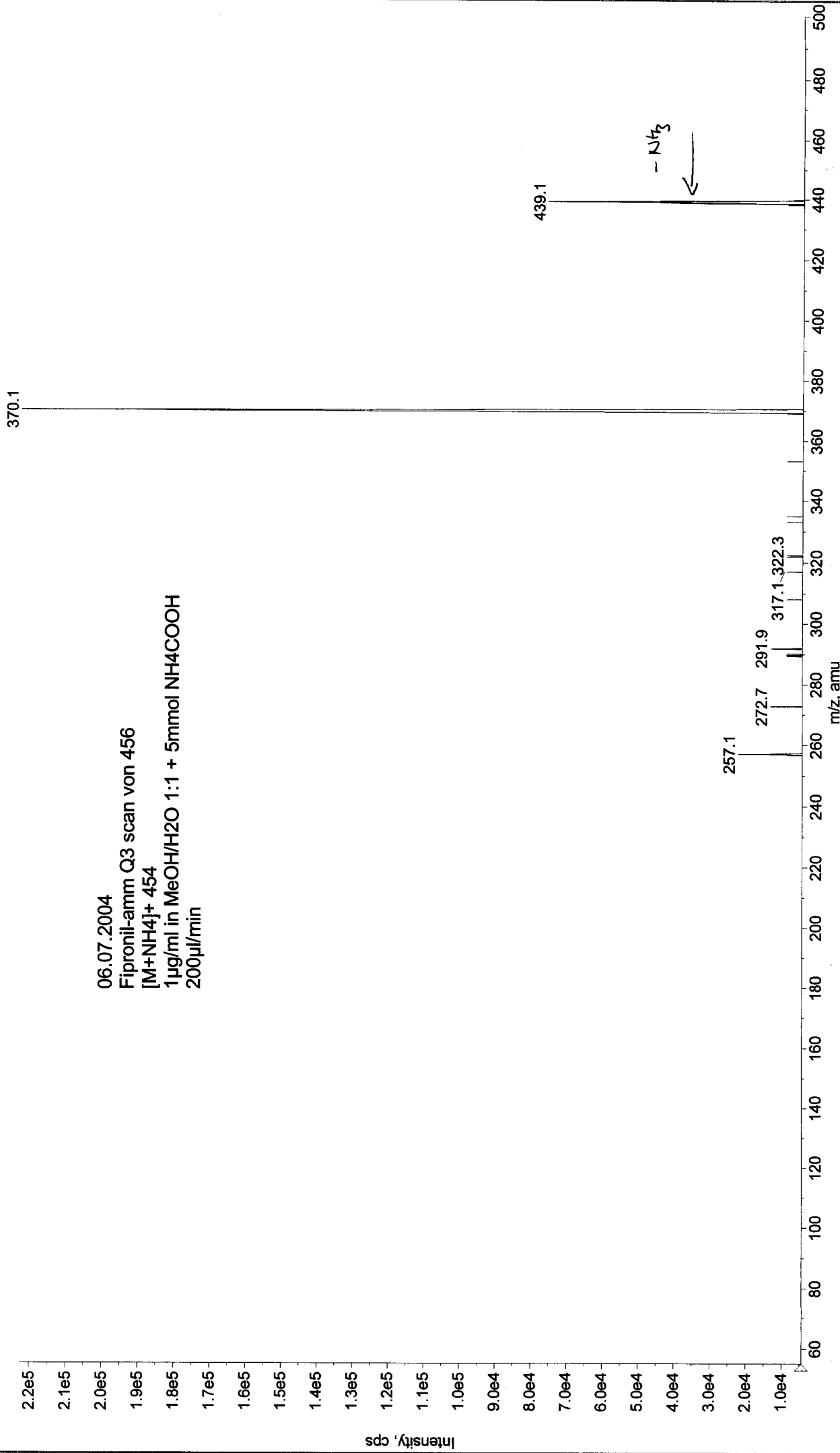
Max. 9.0e7 cps





+MS2 (456.00): 30 MCA scans from Sample 1 (TuneSampleID) of MT20040706082454.wiff (Turbo Spray)

Max. 2.2e5 cps



+MS2 (454.00): 30 MCA scans from Sample 1 (TuneSampleID) of MT20040706083623.wiff (Turbo Spray) Max. 1.7e5 cps

