

**BfR**

Risiken erkennen – Gesundheit schützen

MS/MS Parameters of Pesticides

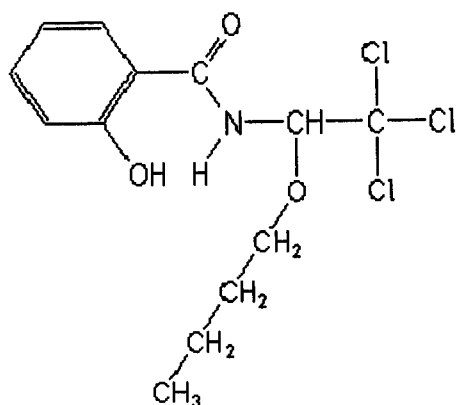
Analyte: Trichlamide

CAS No.: 70193-21-4

Formula: C₁₃H₁₆Cl₃NO₃

Molecular mass (lowest isotopes): 339,02 amu

Structure:



Ionisation: ESI -

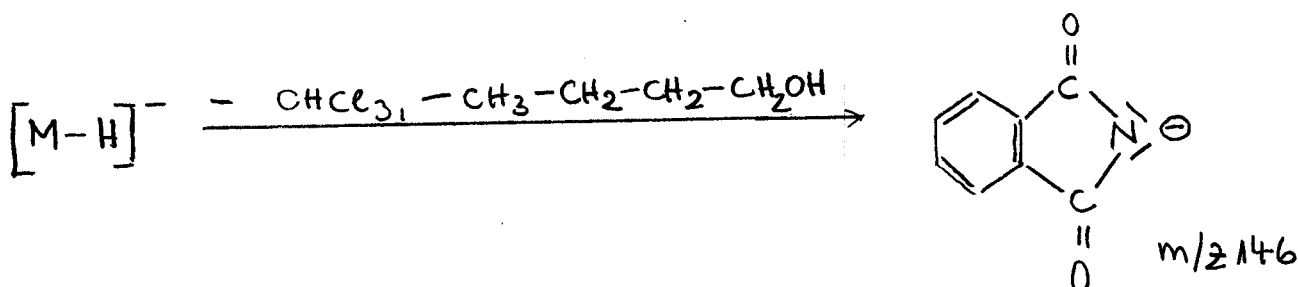
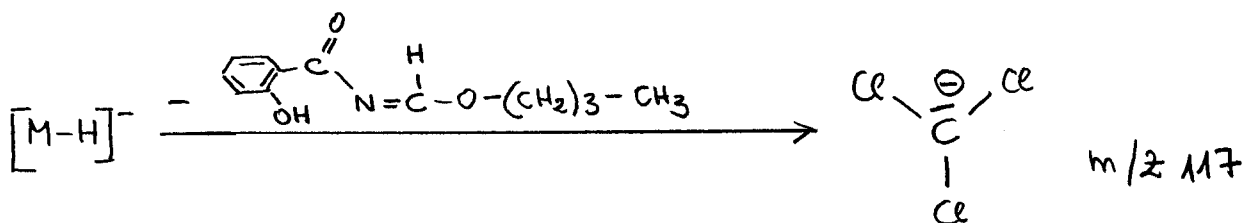
Quasimolecular ion: 338,0 amu = [M-H]⁻

Analyte sensitive parameter set (API 2000)

Transition	338,0 → 116,9	338,0 → 145,8
Declustering potential (DP) ^{*)}	- 6 V	- 6 V
Focusing potential (FP)	-330 V	-330 V
Entrance potential (EP)	-10 V	-10 V
Collision cell entrance potential (CEP)	-34 V	-34 V
Collision energy (CE)	-20 V	-20 V
Collision cell exit potential (CXP)	- 8 V	-10 V

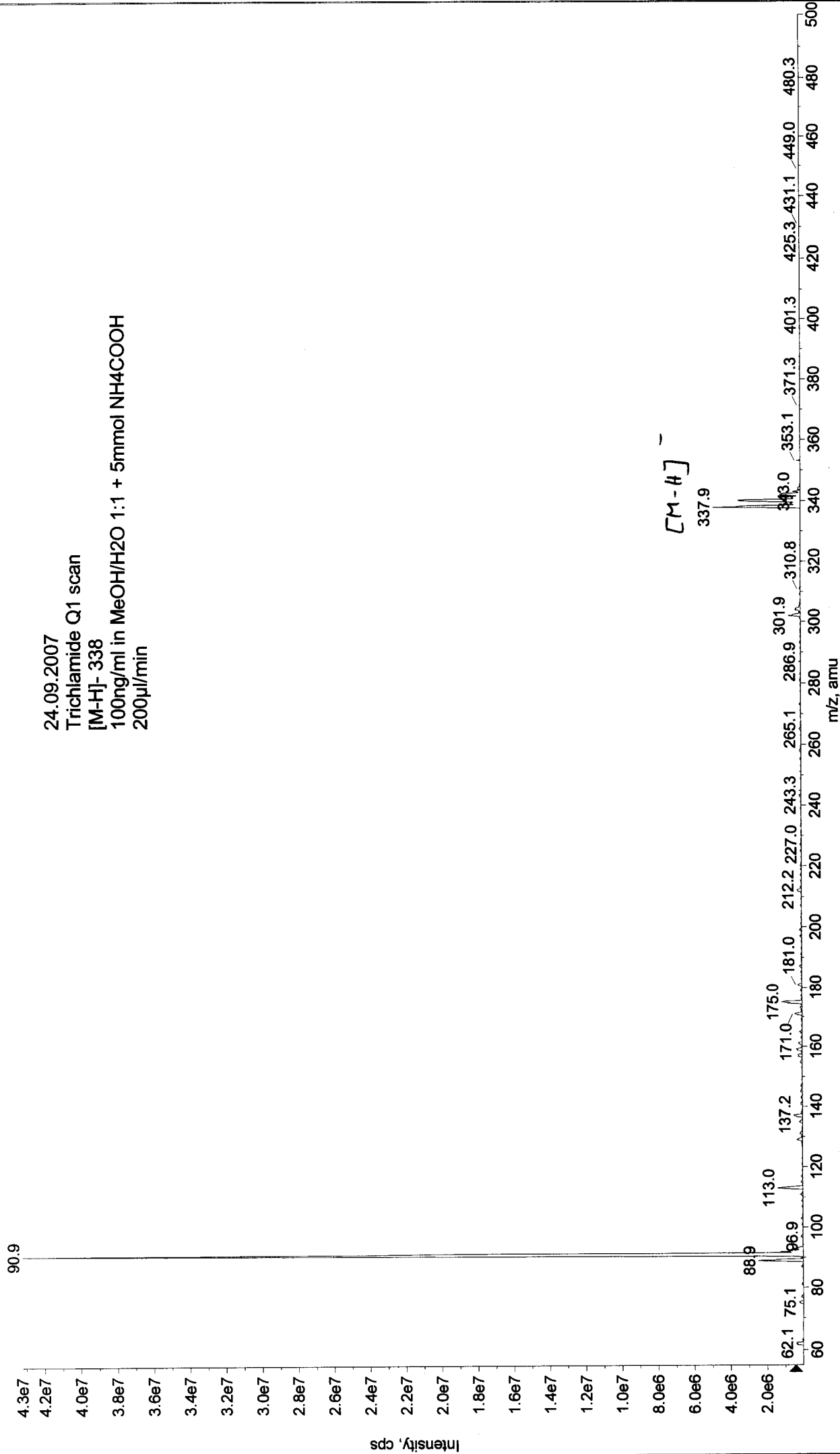
^{*)} For API 3000 and 4000 enhance DP by 20V

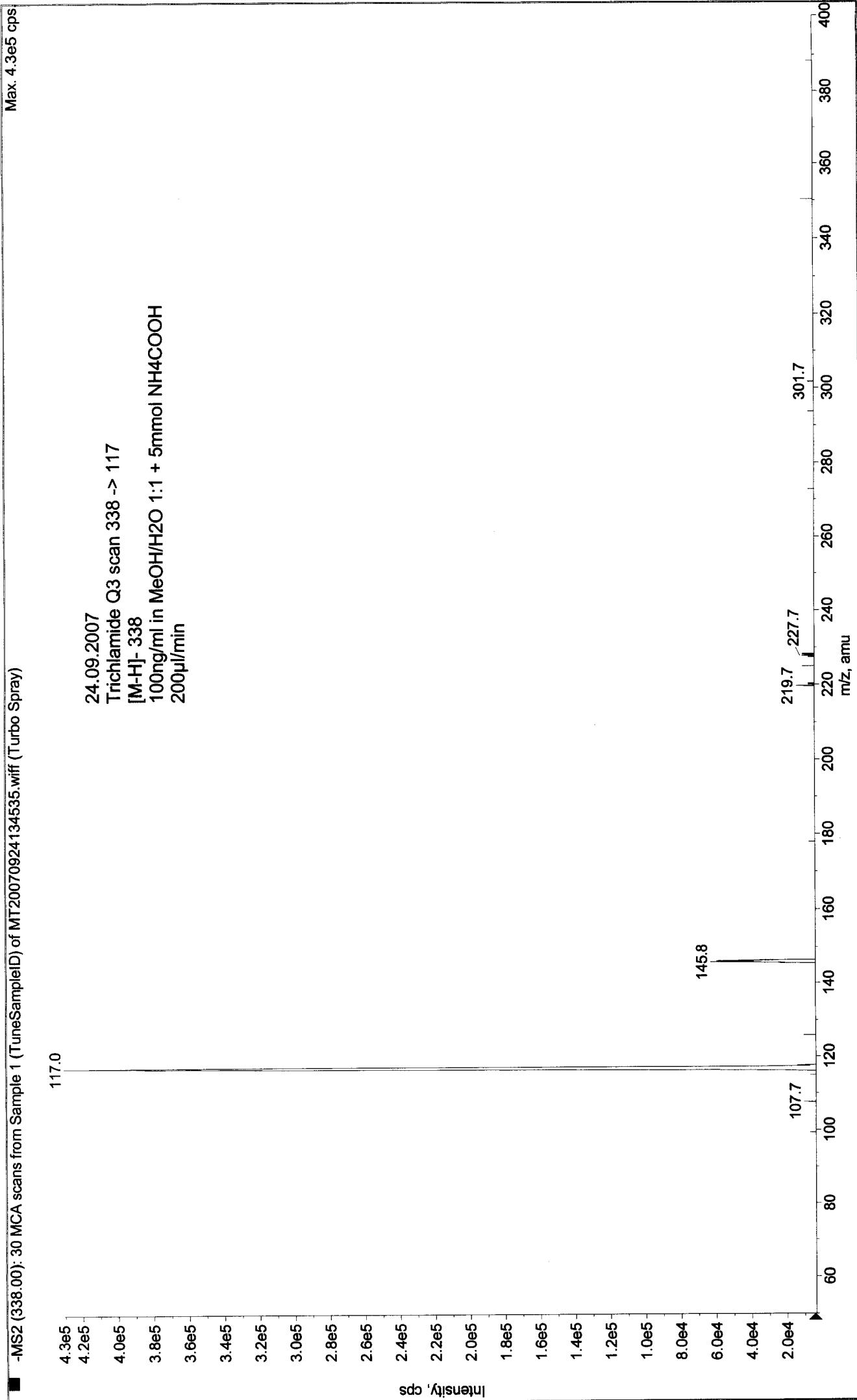
Fragmentation



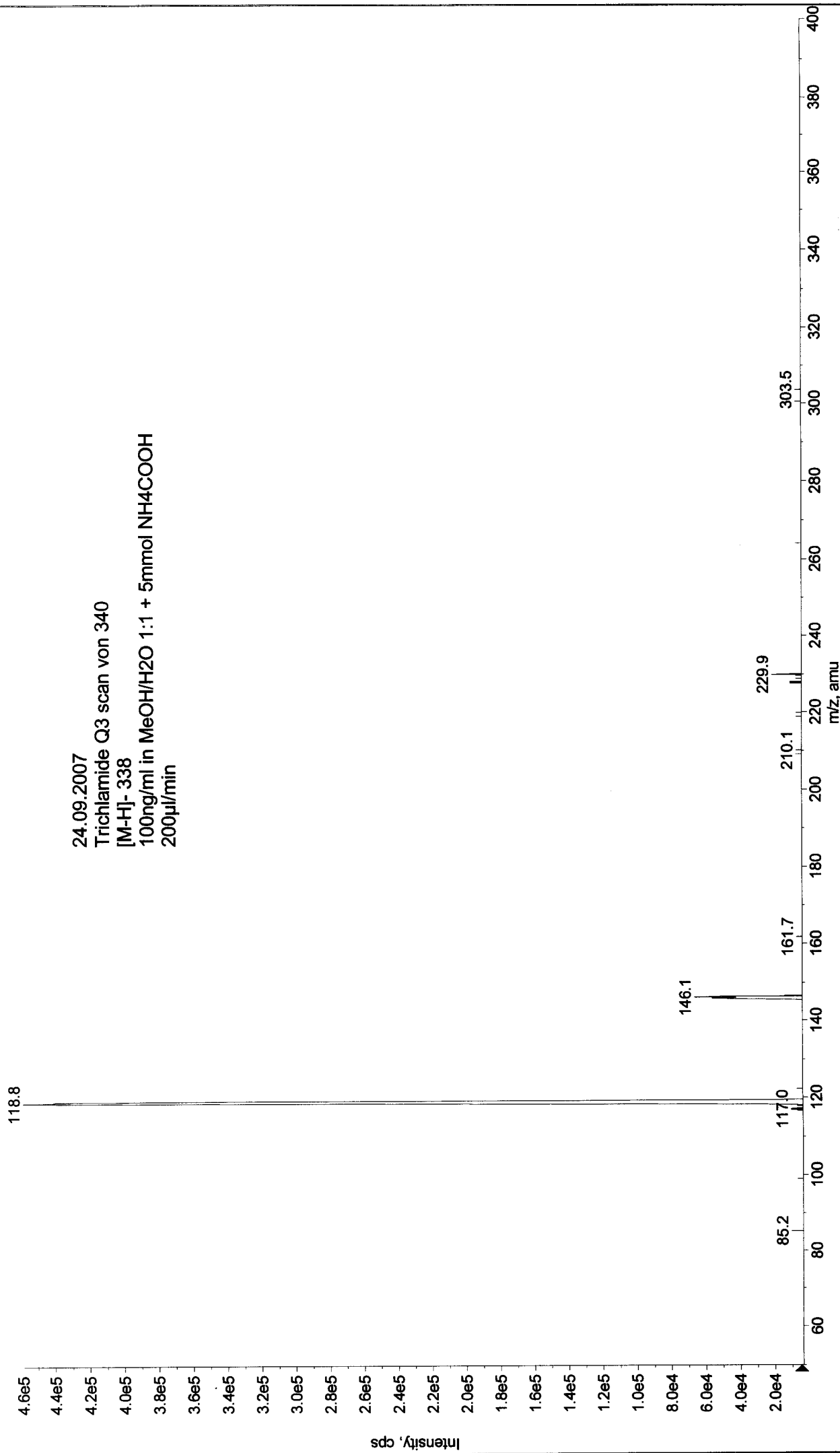
■ -Q1: 30 MCA scans from Sample 1 (TuneSampleID) of MT20070924134154.wiff (Turbo Spray)

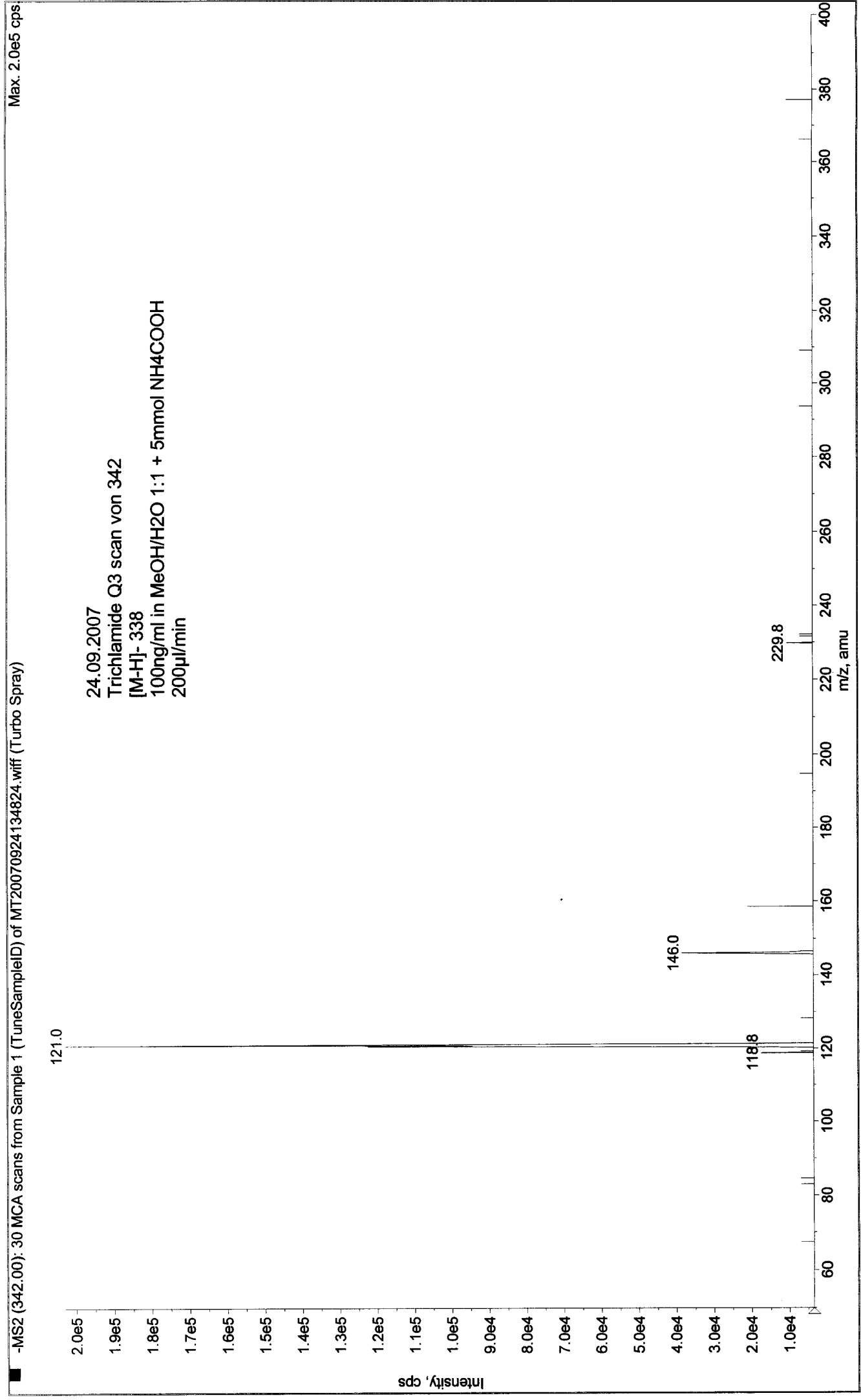
Max. 4.3e7 cps





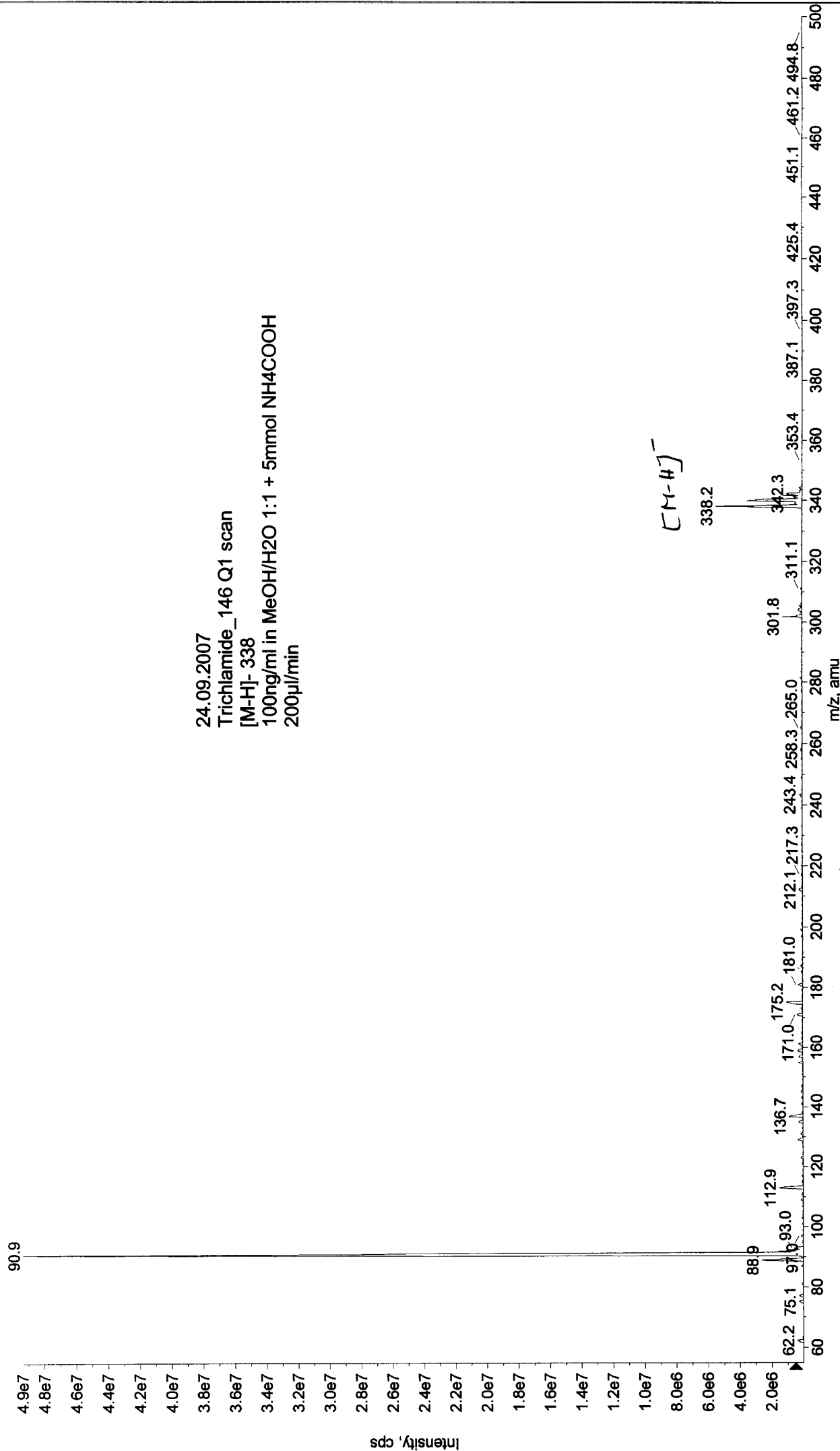
■ -MS2 (340.00): 30 MCA scans from Sample 1 (TuneSampleID) of MT20070924142659.wiff (Turbo Spray) Max. 4.6e5 cps





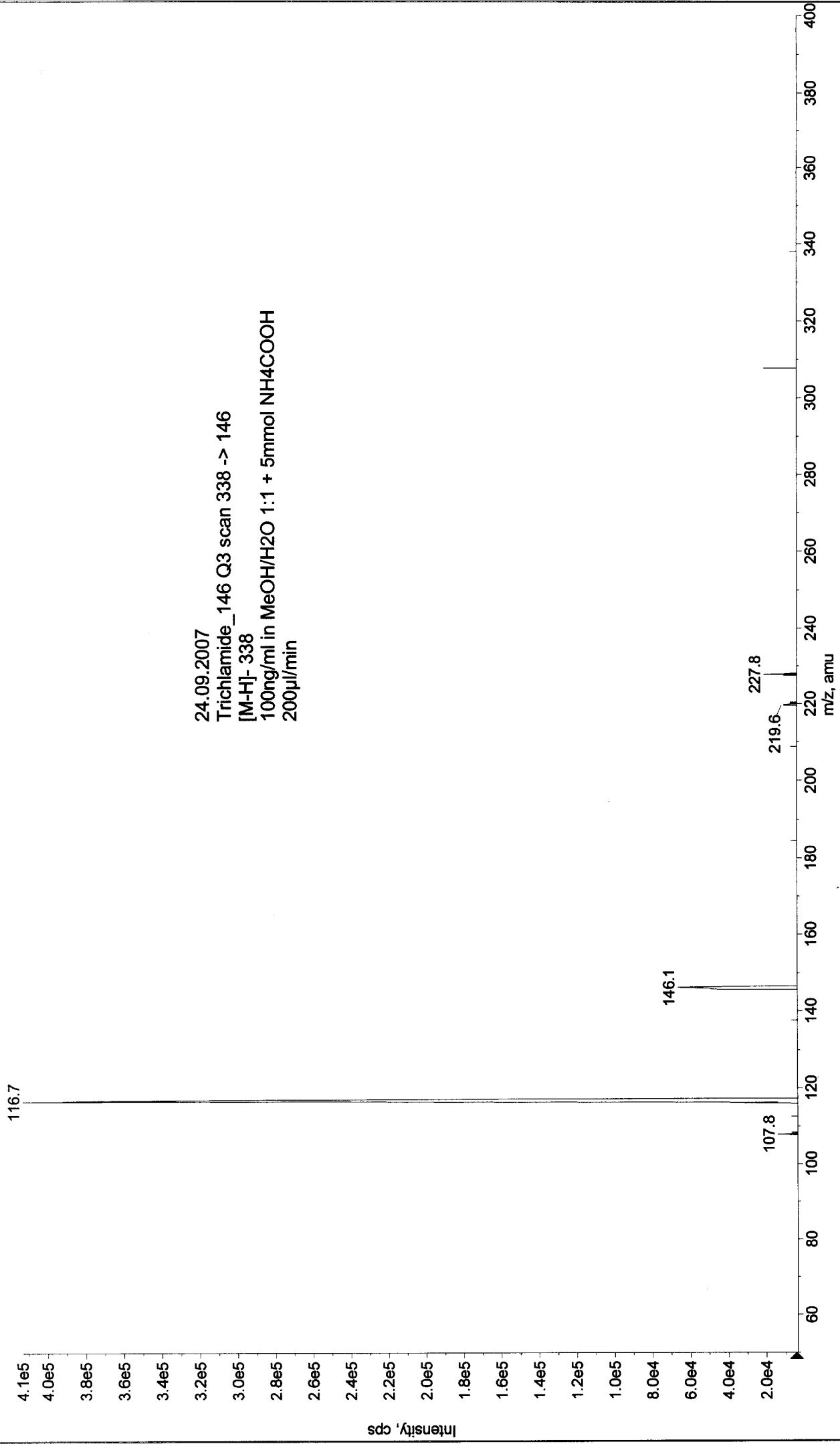
■ -Q1: 30 MCA scans from Sample 1 (TuneSampleID) of MT20070924135938.wiff (Turbo Spray)

Max. 4.9e7 cps



■ -MS2 (338.00): 30 MCA scans from Sample 1 (TuneSampleID) of MT20070924140252.wiff (Turbo Spray)

Max. 4.1e5 cps



24.09.2007
Trichlamide_146 Q3 scan 338 -> 146
[M-H]- 338
100ng/ml in MeOH/H2O 1:1 + 5mmol NH4COOH
200µl/min

■ -MS2 (340.00): 30 MCA scans from Sample 1 (TuneSampleID) of MT20070924140422.wiff (Turbo Spray) Max. 3.7e5 cps

