

MS/MS Parameters of Pesticides

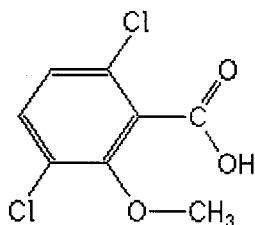
Analyte: Dicamba

CAS No.: 1918-00-9

Formula: C₈H₆Cl₂O₃

Molecular mass (lowest isotopes): 219,97 amu

Structure:



Ionisation: ESI —

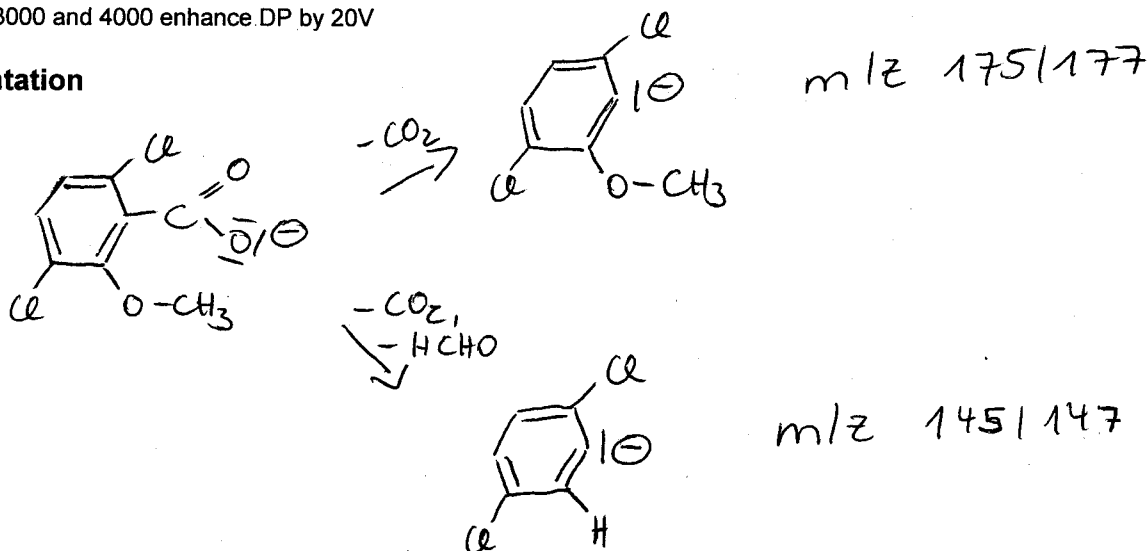
Quasimolecular ion: 219,0 amu = [M-H]⁻

Analyte sensitive parameter set (API 2000)

Transition	219,0 → 175,0	219,0 → 144,8
Declustering potential (DP) ^{*)}	-16V	-16 V
Focusing potential (FP)	-330 V	-330 V
Entrance potential (EP)	-10,5 V	-10,0 V
Collision cell entrance potential (CEP)	-16 V	-24 V
Collision energy (CE)	-6 V	-14 V
Collision cell exit potential (CXP)	-12 V	-12 V

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

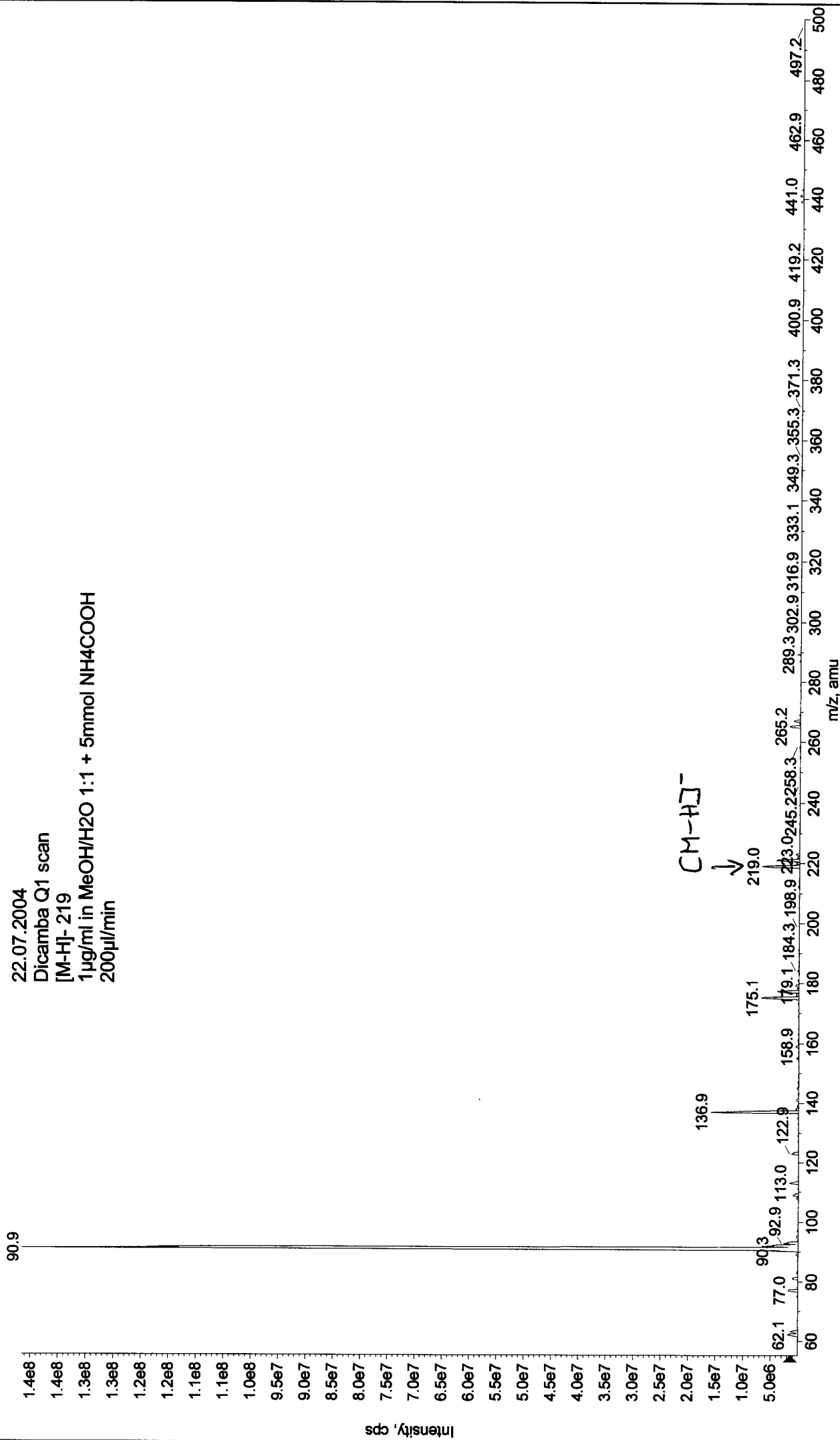
Fragmentation



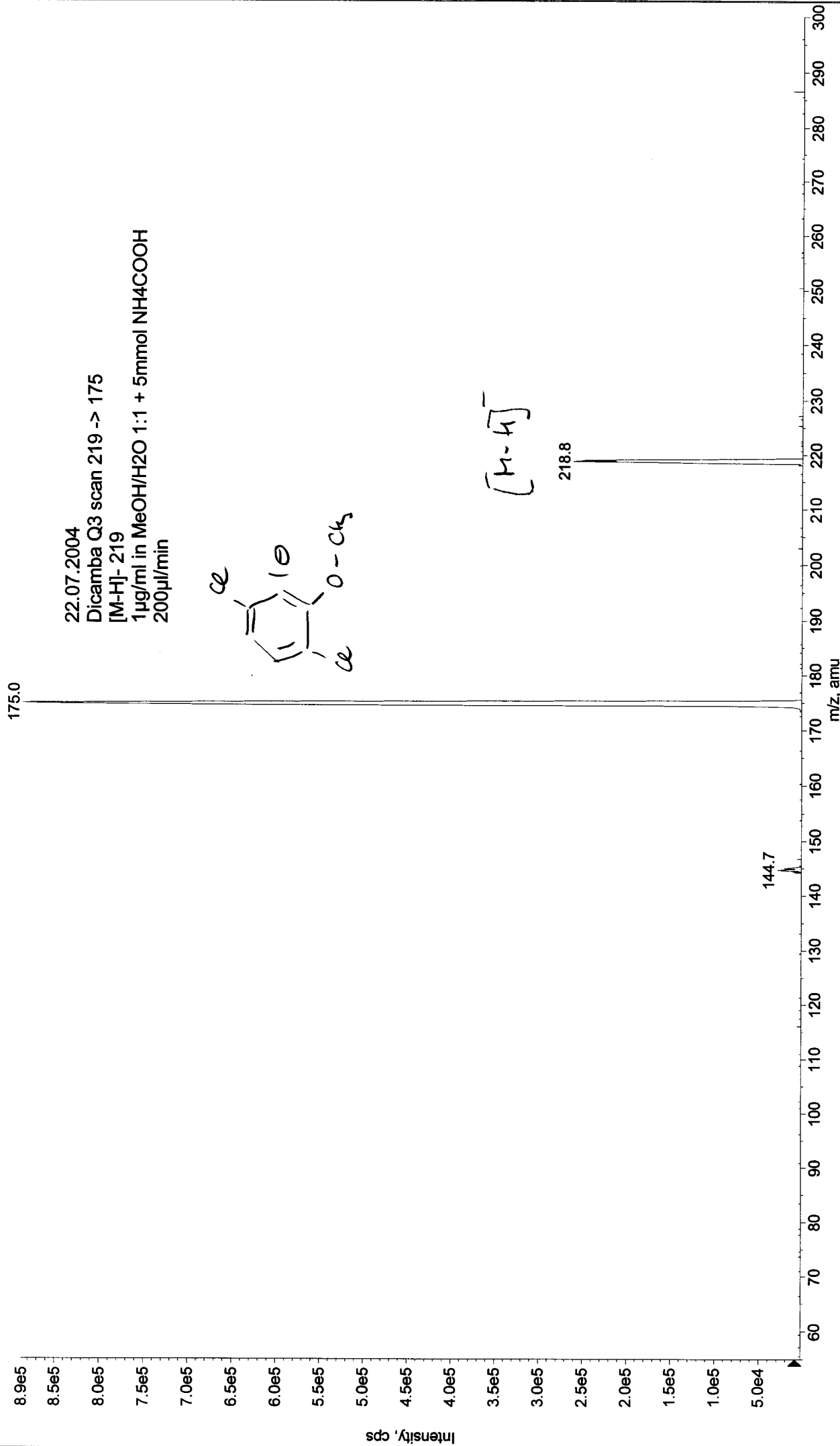
-Q1: 30 MCA scans from Sample 1 (TuneSampleID) of MT20040722113536.wiff (Turbo Spray)

Max. 1.4e8 cps.

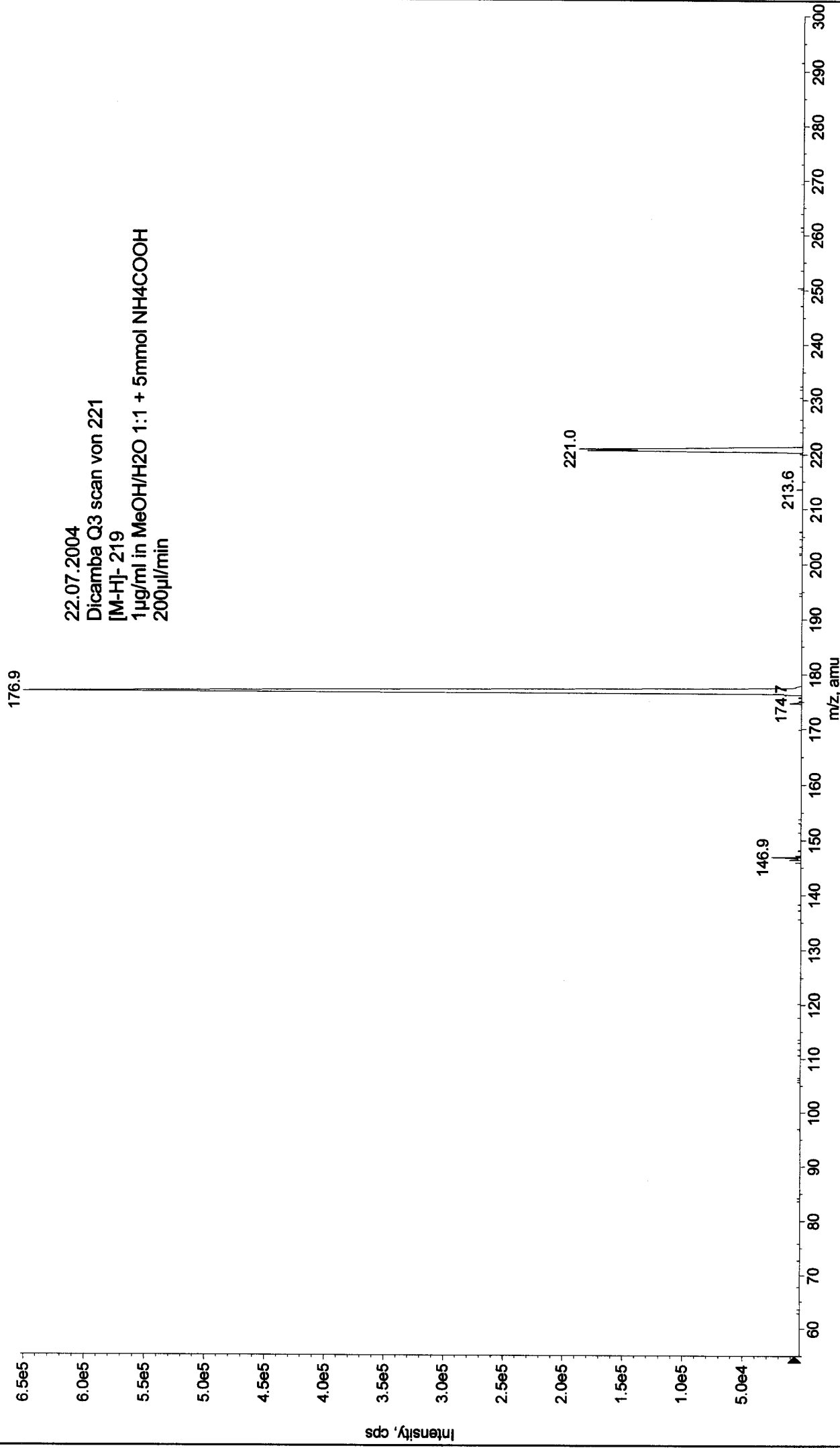
22.07.2004
Dicamba Q1 scan
[M-H]⁻ 219
1 µg/ml in MeOH/H₂O 1:1 + 5mmol NH₄COOH
200 µl/min



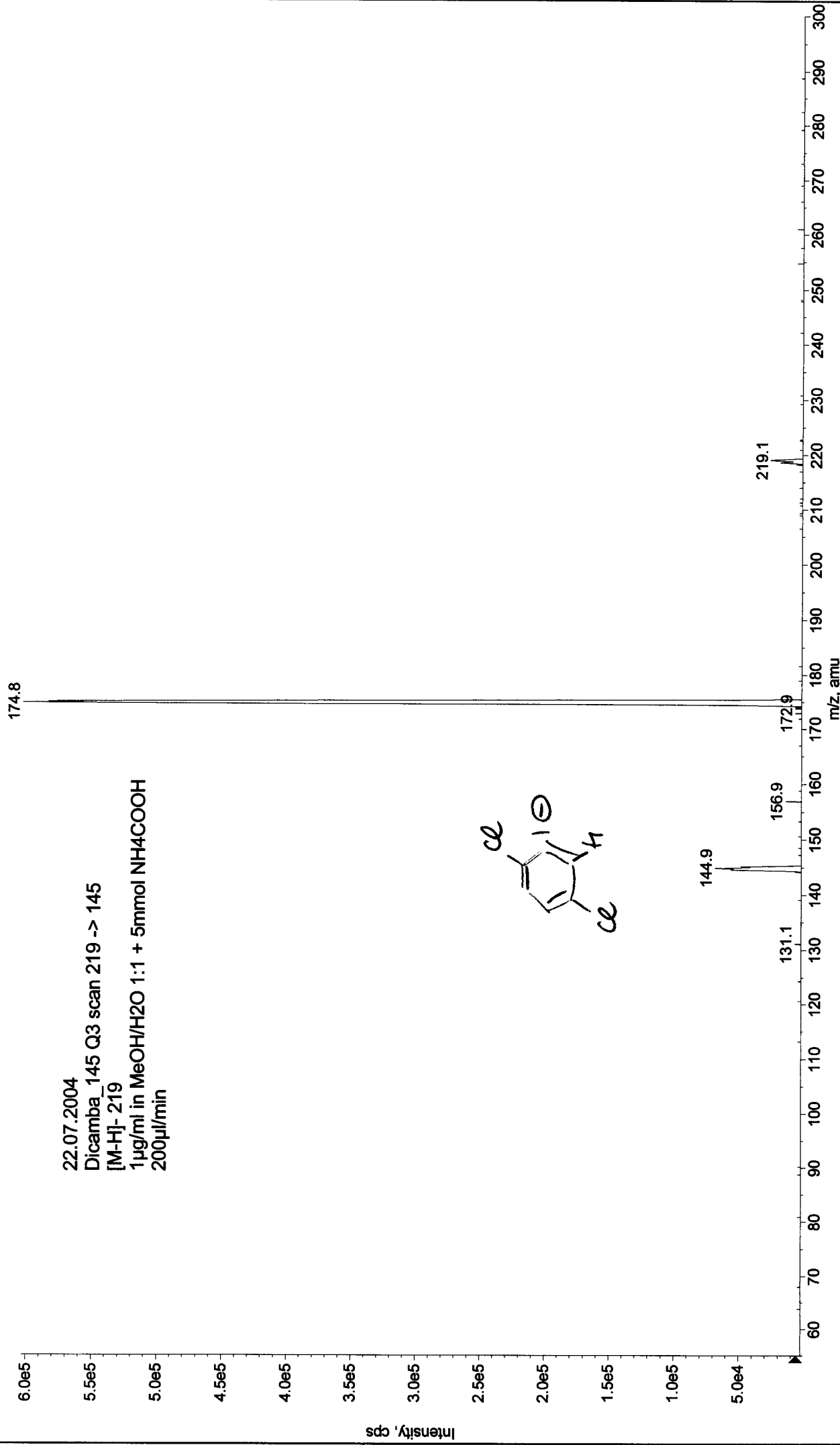
-MS2 (219.00): 30 MCA scans from Sample 1 (TuneSampleID) of MT20040722114045.wiff (Turbo Spray) Max. 8.9e5 cps



-MS2 (221.00): 30 MCA scans from Sample 1 (TuneSampleID) of MT20040722113921.wiff (Turbo Spray) Max. 6.5e5 cps



■ -MS2 (219.00): 30 MCA scans from Sample 1 (TuneSampleID) of MT20040722114807.wiff (Turbo Spray) Max. 6.0e5 cps



Printing Time: 11:50:46
Printing Date: Thursday, July 22, 2004

Acq. Time: 11:49
Acq. Date: Thursday, July 22, 2004
Acq. File: MT20040722114932.wiff

Sample Comment:
Sample Name: TuneSampleID
Batch Name: ManualTune.bat

Max. 4.1e5 cps

-MS2 (221.00): 30 MCA scans from Sample 1 (TuneSampleID) of MT20040722114932.wiff (Turbo Spray)

