

MS/MS Parameters of Pesticides

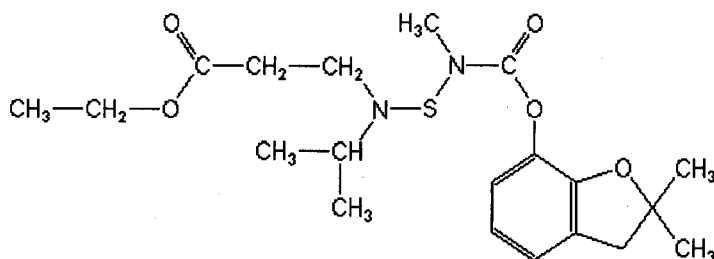
Analyte: Benfuracarb

CAS No.: 82560-54-1

Formula: C₂₀H₃₀N₂O₅S

Molecular mass (lowest isotopes): 410,19 amu

Structure:



Ionisation: ESI +

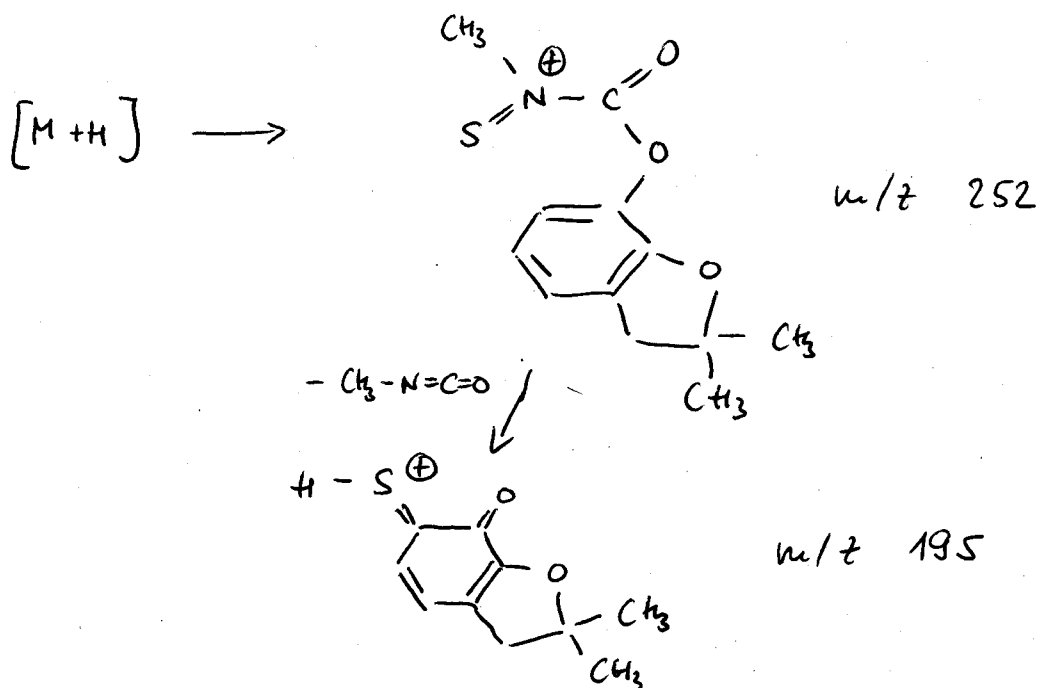
Quasimolecular ion: 411,2 amu = [M+H]⁺

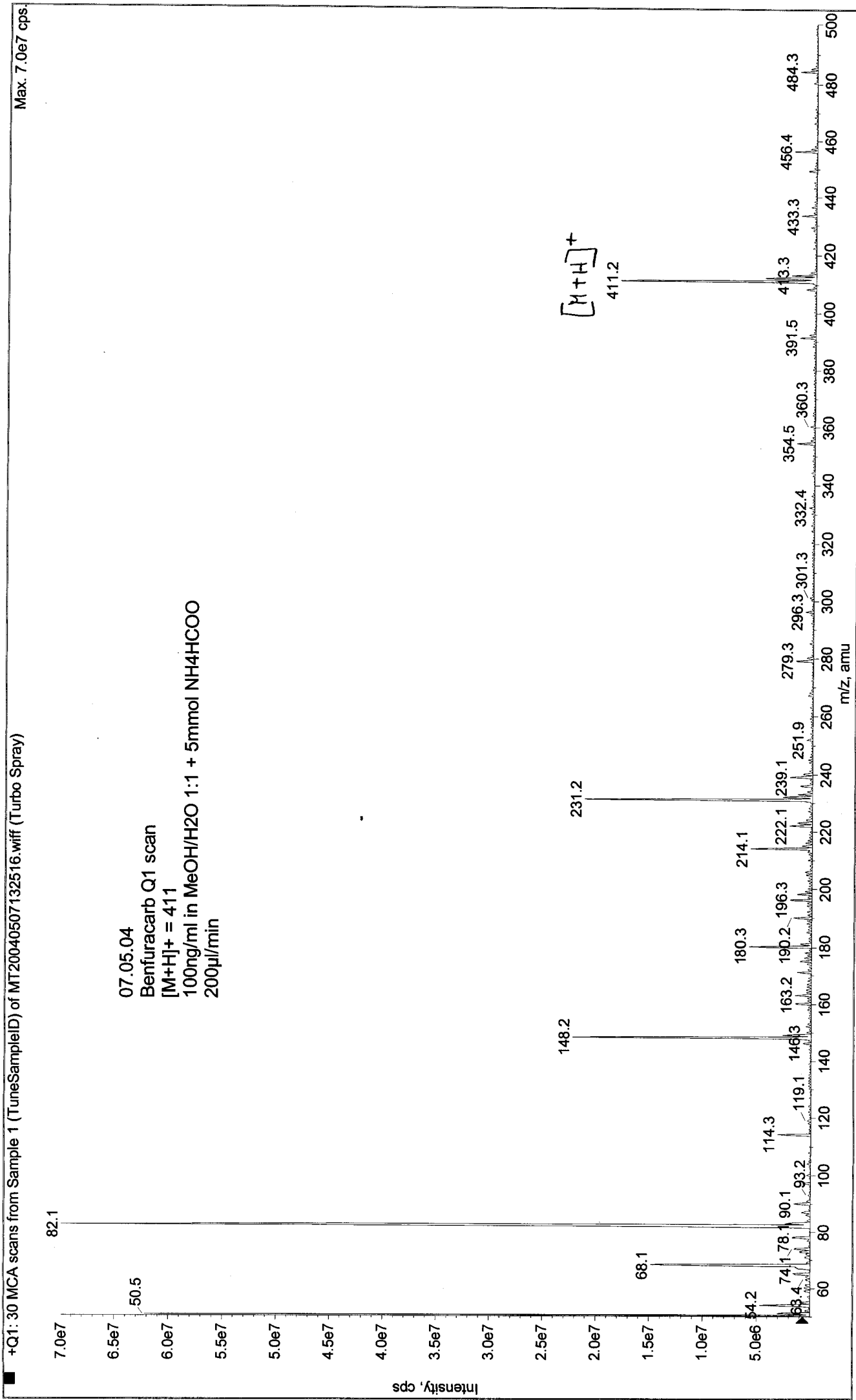
Analyte sensitive parameter set (API 2000)

Transition	411,2 → 195,1	411,2 → 252,0
Declustering potential (DP) ^{*)}	4 V	4 V
Focusing potential (FP)	370 V	370 V
Entrance potential (EP)	7,5 V	7,0 V
Collision cell entrance potential (CEP)	22 V	20 V
Collision energy (CE)	31 V	19 V
Collision cell exit potential (CXP)	10 V	14 V

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

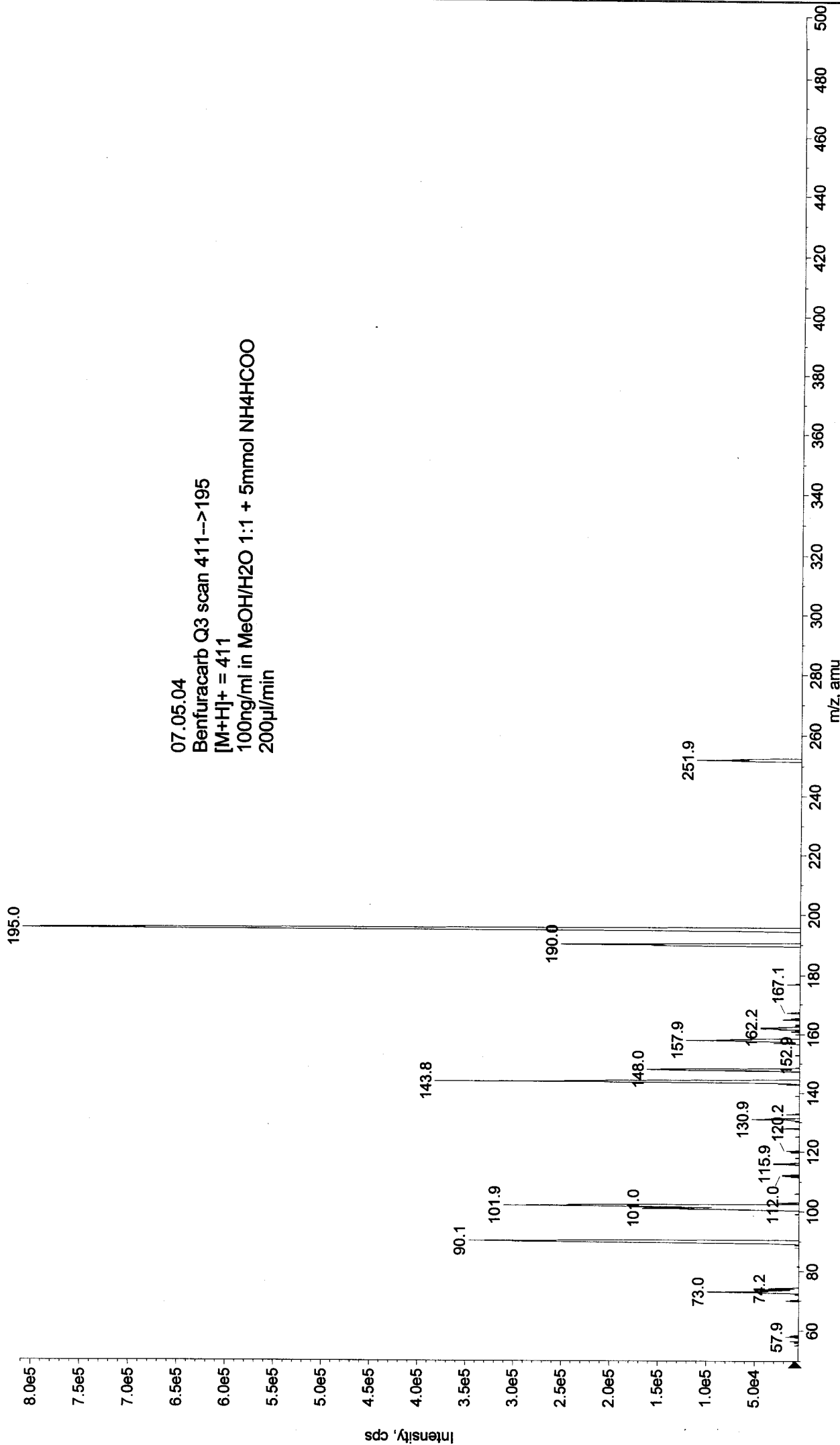
Fragmentation





+MS2 (411.00): 30 MCA scans from Sample 1 (TuneSampleID) of MT20040507132910.wiff (Turbo Spray)

Max. 8.1e5 cps.



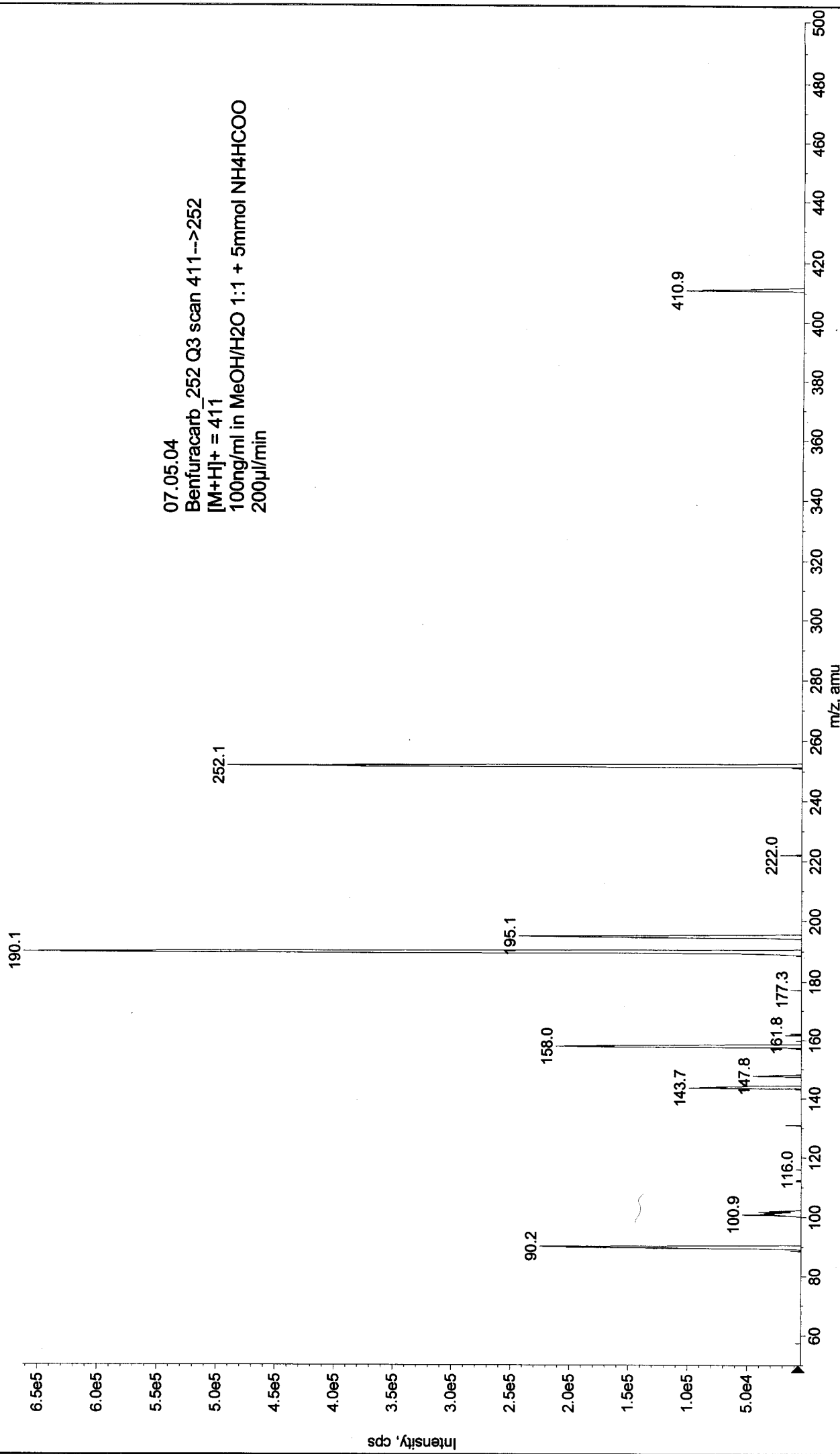
07.05.04
Benfuracarb Q3 scan 411-->195
[M+H]⁺ = 411
100ng/ml in MeOH/H₂O 1:1 + 5mmol NH₄HCOO
200μl/min

Printing Time: 13:43:59
Printing Date: Friday, May 07, 2004

Acq. Time: 13:41
Acq. Date: Friday, May 07, 2004
Acq. File: MT20040507134147.wiff

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

+MS2 (411.00): 30 MCA scans from Sample 1 (TuneSampleID) of MT20040507134147.wiff (Turbo Spray) Max. 6.6e5 cps



07.05.04
Benfuracarb_252 Q3 scan 411-->252
[M+H]⁺ = 411
100ng/ml in MeOH/H₂O 1:1 + 5mmol NH₄HCOO
200µl/min