

**BfR**

Risiken erkennen – Gesundheit schützen

MS/MS Parameters of Pesticides

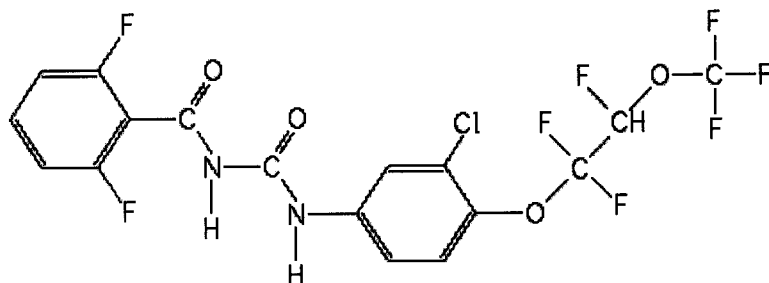
Analyte: Novaluron

CAS No.: 116714-46-6

Formula: C₁₇H₉ClF₈N₂O₄

Molecular mass (lowest isotopes): 492,01 amu

Structure:



Ionisation: ESI -

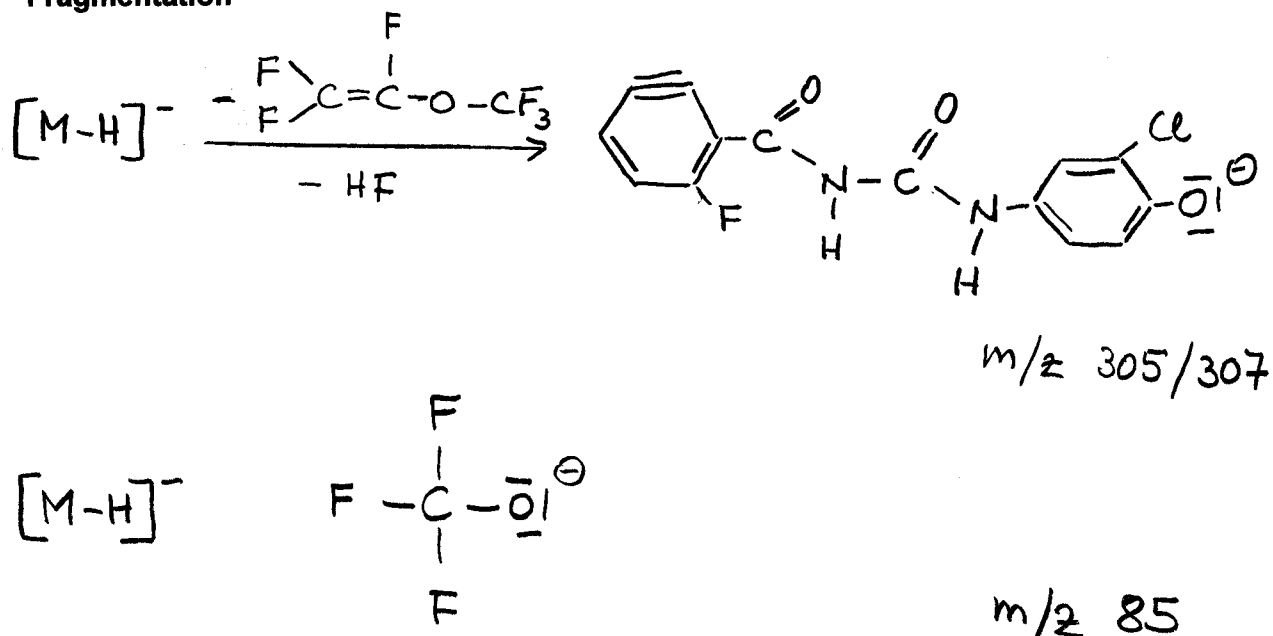
Quasimolecular ion: 491,01 amu = [M-H]⁻

Analyte sensitive parameter set (API 2000)

Transition	491,0 → 304,9	491,0 → 84,9
Declustering potential (DP) ^{*)}	-66 V	-66 V
Focusing potential (FP)	-340 V	-340 V
Entrance potential (EP)	-10 V	-10 V
Collision cell entrance potential (CEP)	-22 V	-20 V
Collision energy (CE)	-20 V	-50 V
Collision cell exit potential (CXP)	-20 V	-16 V

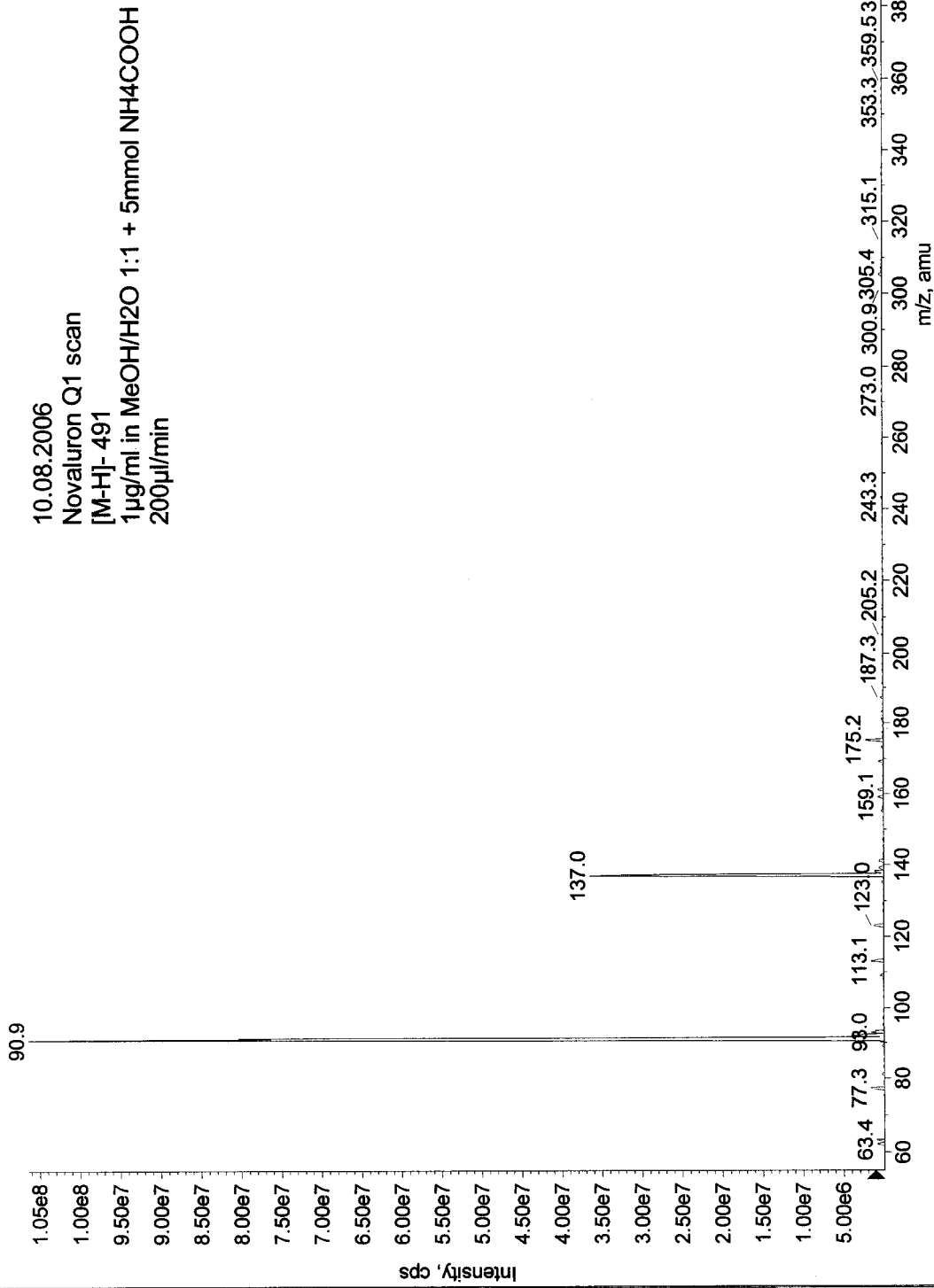
^{*)} For API 3000 and 4000 enhance DP by 20V

Fragmentation



Max. 1.1e8 cps.

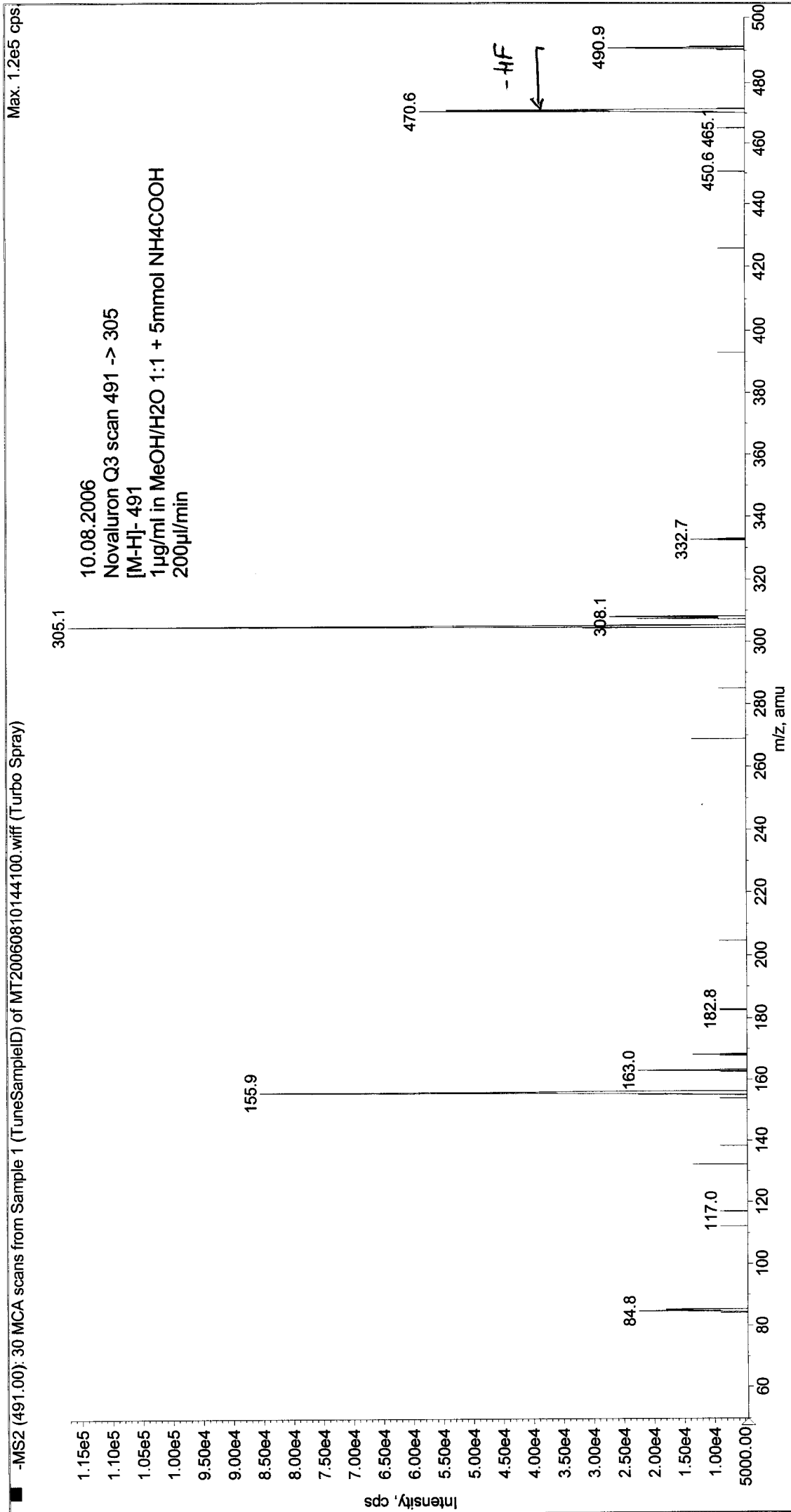
■ -Q1: 30 MCA scans from Sample 1 (TuneSampleID) of MT20060810143808.wiff (Turbo Spray)



Printing Time: 14:42:15
Printing Date: Thursday, August 10, 2006

Acq. Time: 14:41
Acq. Date: Thursday, August 10, 2006
Acq. File: MT20060810144100.wiff

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



Printing Time: 14:43:54

Printing Date: Thursday, August 10, 2006

Acq. Time: 14:42

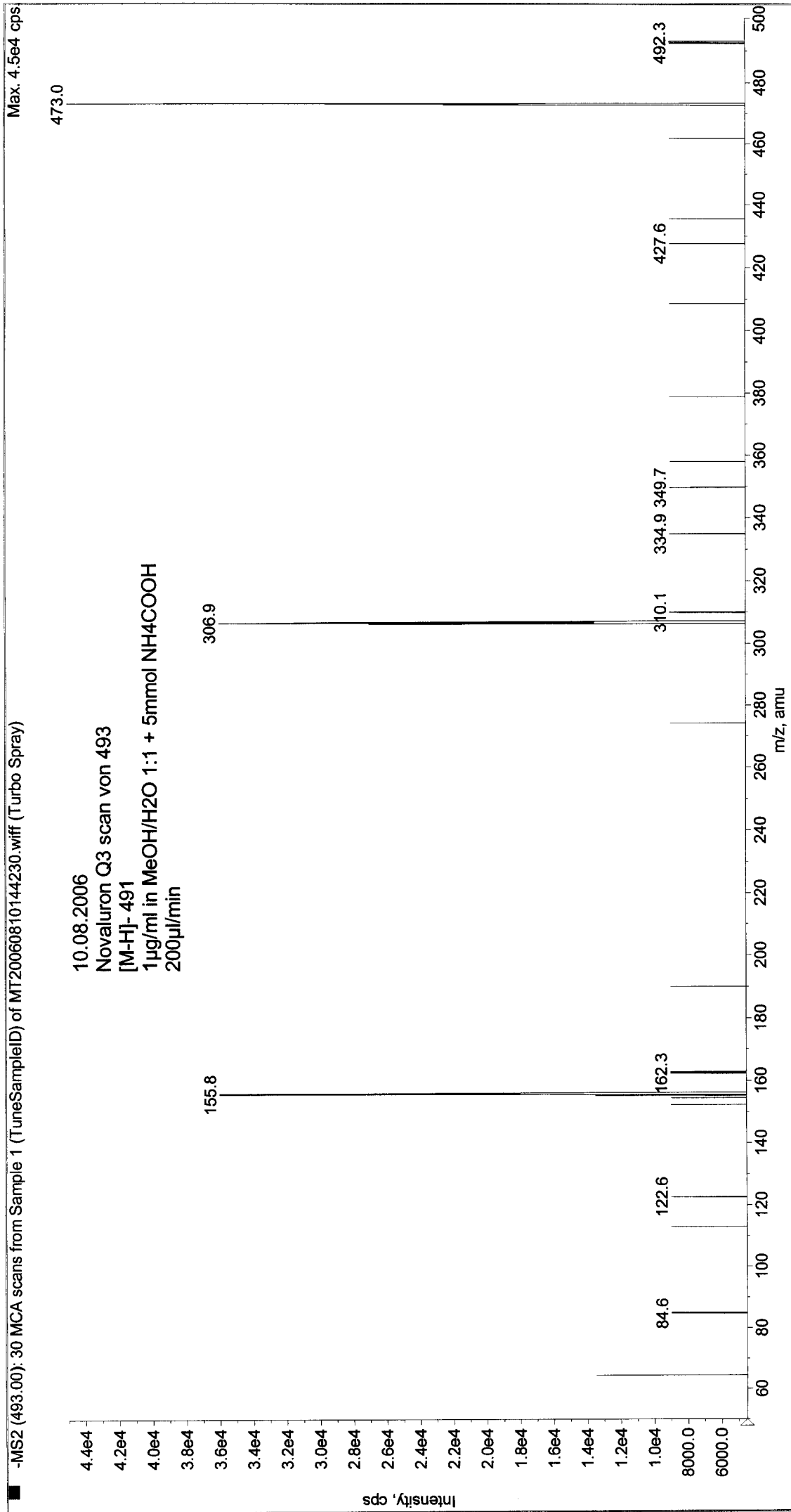
Acq. Date: Thursday, August 10, 2006

Acq. File: MT2006081014230.wiff

Sample Comment:

Sample Name: TuneSampleID

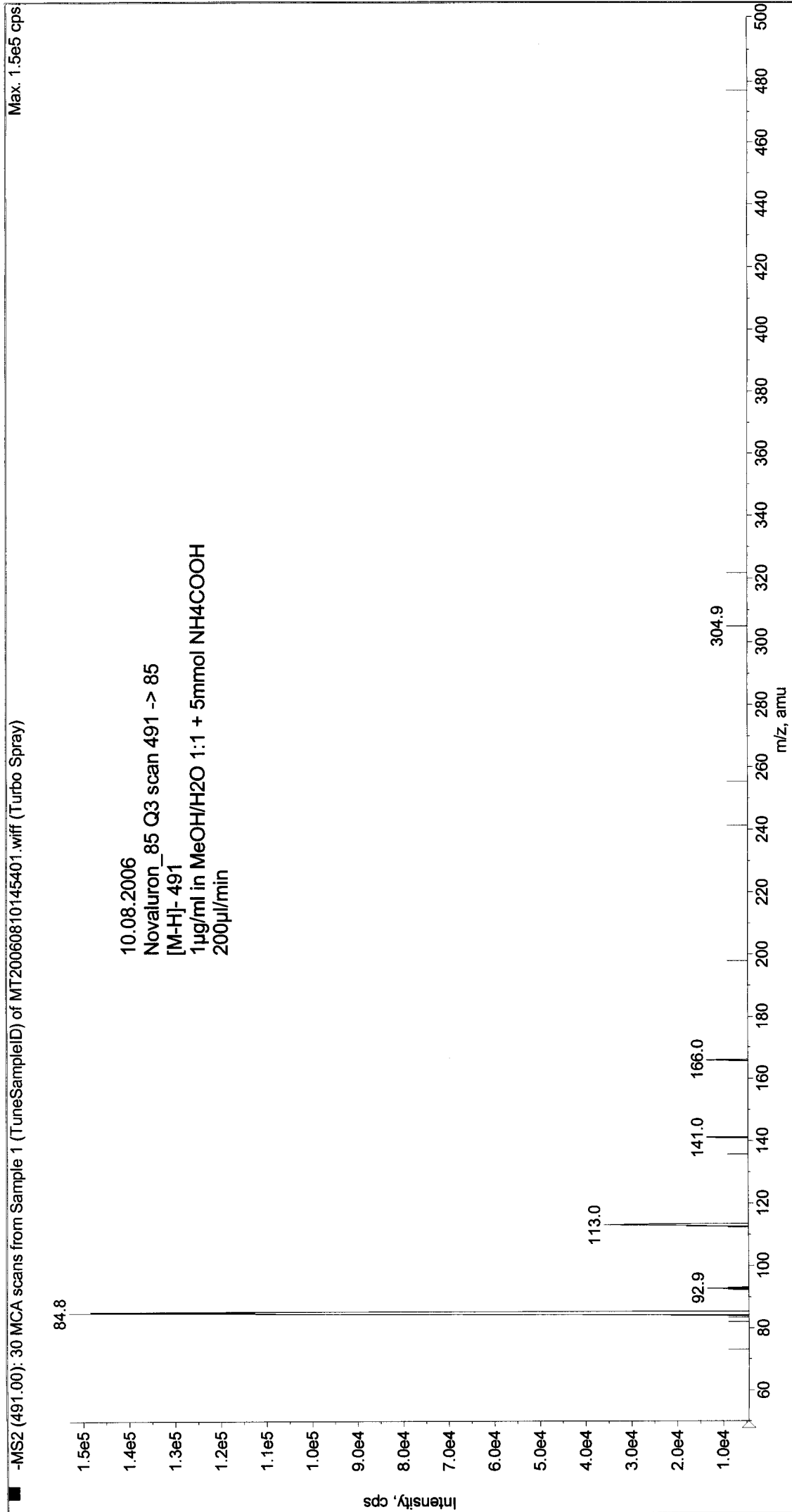
Batch Name: ManualTune.bat



Printing Time: 14:55:20
Printing Date: Thursday, August 10, 2006

Acq. Time: 14:54
Acq. Date: Thursday, August 10, 2006
Acq. File: MT20060810145401.wiff

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



Printing Time: 14:56:37
Printing Date: Thursday, August 10, 2006

Acq. Time: 14:55
Acq. Date: Thursday, August 10, 2006
Acq. File: MT20060810145537.wiff

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

■ -MS2 (493.00): 30 MCA scans from Sample 1 (TuneSampleID) of MT20060810145537.wiff (Turbo Spray)

Max. 7.2e4 cps

