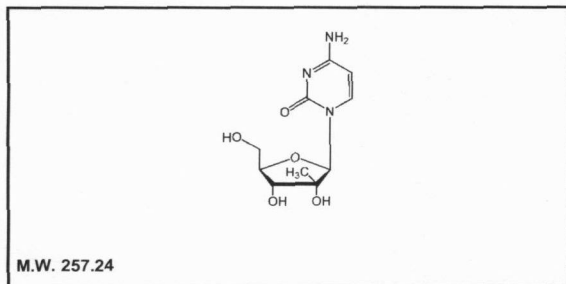




Product Data Sheet

M-1864

2'-Methylcytidine

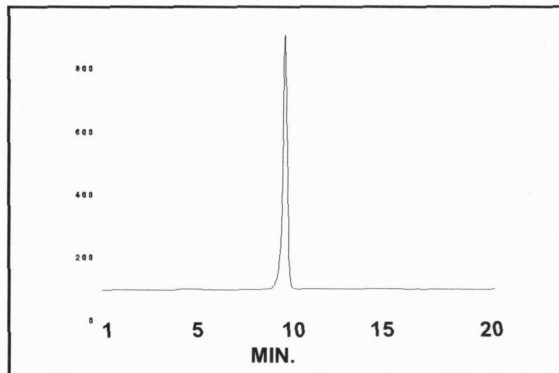


Lot #: 208-220-000-A-20041105-Q

Packaged as: Solid

Date of Analysis: November 15, 2011

Chemical Purity @ 272nm: 99.9%



HPLC ANALYSIS LOT 208-220-000-A-20041105-Q
File Name: int21385 Date and Time: 11/15/2011 12:23:53
Unit 2 UV

Peak #	Area %	Time	Area
1	100.00	9.35000	1304.30473
Totals	100.00		1304.30473

Storage Recommendation: Store at 0-5°C.

Product Warranty: Stated on the reverse side of this Product Data Sheet.

Caution: Not For Use In Humans Or Clinical Diagnosis. This product is intended for investigational or manufacturing use only. It is pharmaceutically unrefined and is not intended for use in humans. Responsibility for its use in humans, as a diagnostic reagent, and compliance with federal laws rests solely with the purchaser.

M-1864

2'-Methylcytidine

Lot 208-220-000-A-20041105-Q

A) All chromatograms were run using the HPLC method described on the Product Data Sheet.

Concentrations and volumes:

2'-Methylcytidine solution concentration was 1.9 mg/mL.

Volume of **2'-Methylcytidine** injection was 1.0 μ L.

Volume of blank injection was 1.0 μ L.

B) Mass spectrometry - Positive mode

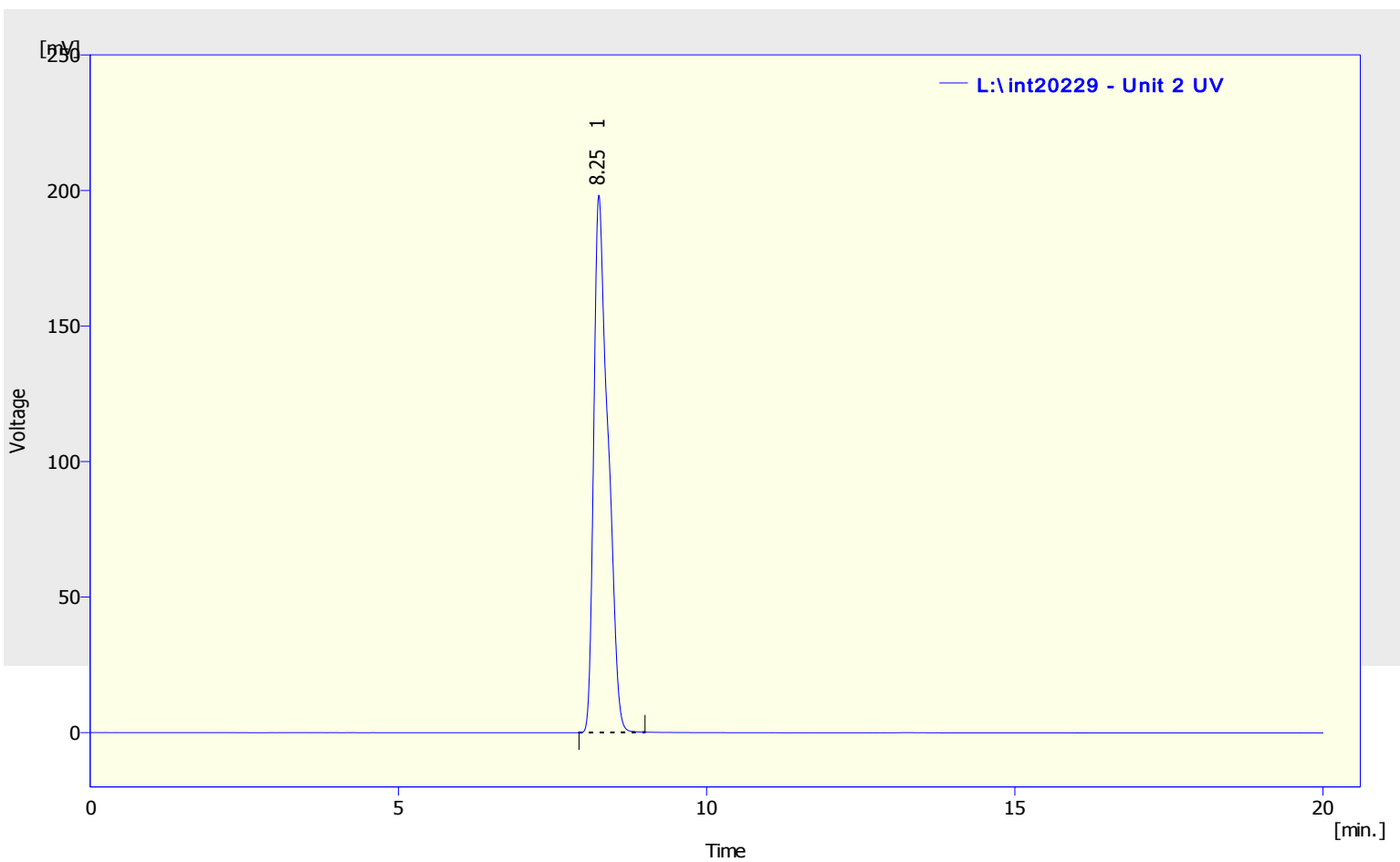
C) NMR

D) UV Spectrum

M-1864
2'-Methylcytidine
Lot 208-220-000-A-20041105-Q

Chromatogram Info:

File Name	: L:\int20229	File Created	: 8/11/2009 2:37:19 PM
Origin	: Acquired	Acquired Date	: 8/11/2009 2:34:56 PM
Project	: Test	By	: Administrator
Method	: unit2-20minrun	By	: Administrator
Description	: UV trace of 2'-Methylcytidine alone	Modified	: 8/11/2009 4:09 PM
Created	: 8/8/2007 9:12 AM		
Column	: Supelco Discovery C18 4.6 x 250mm	Detection	: 272nm
Mobile Phase	:	Temperature	:
Flow Rate	:	Pressure	:
Note	:		



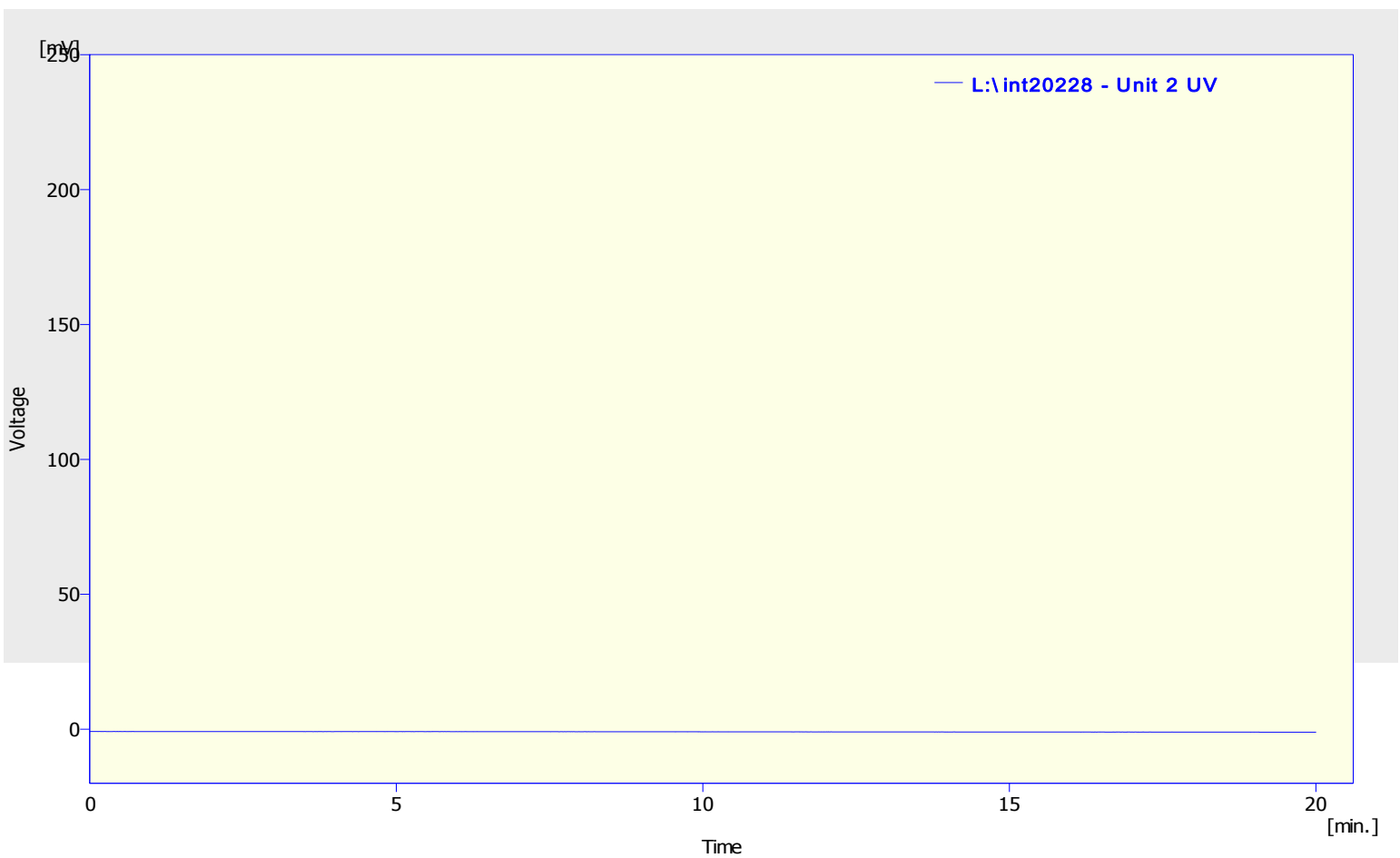
Result Table (Uncal - L:\int20229 - Unit 2 UV)

	Reten. Time [min]	Area [mV.s]	Height [mV]	Area [%]	Height [%]	W05 [min]
1	8.253	3173.029	198.254	100.00	100.0	0.27
	Total	3173.029	198.254	100.00	100.0	

M-1864
2'-Methylcytidine
Lot 208-220-000-A-20041105-Q

Chromatogram Info:

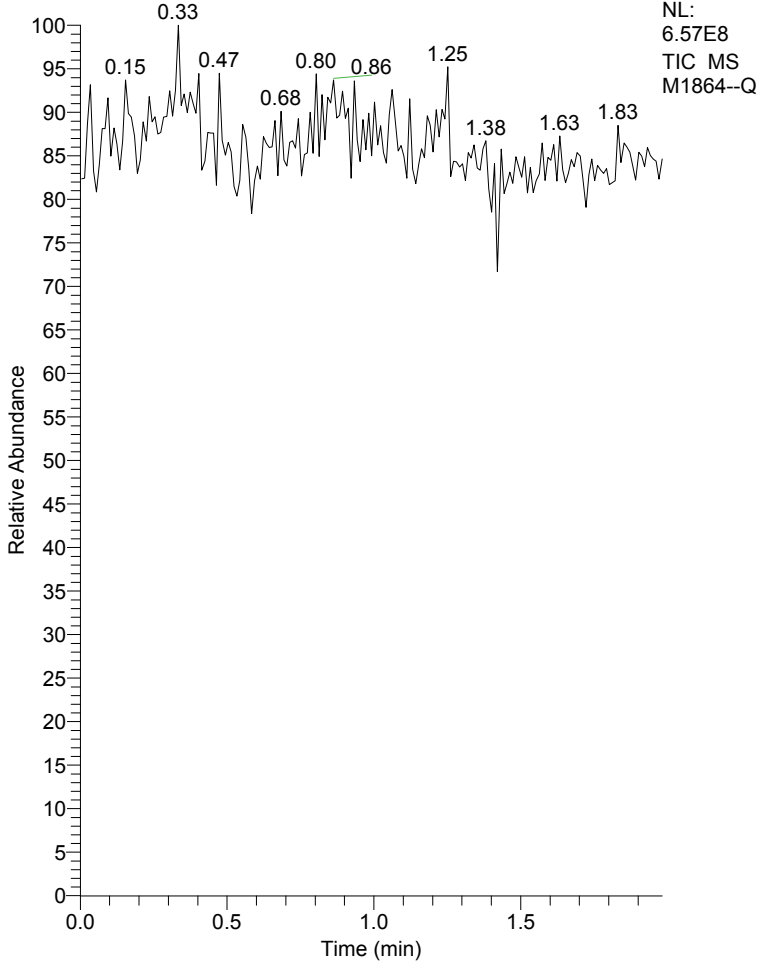
File Name	: L:\int20228	File Created	: 8/11/2009 2:14:25 PM
Origin	: Acquired	Acquired Date	: 8/11/2009 2:11:39 PM
Project	: Test	By	: Administrator
Method	: unit2-20minrun	By	: Administrator
Description	: UV trace of blank injection		
Created	: 8/8/2007 9:12 AM	Modified	: 8/11/2009 4:11 PM
Column	: Supelco Discovery C18 4.6 x 250mm	Detection	: 272nm
Mobile Phase	:	Temperature	:
Flow Rate	:	Pressure	:
Note	:		



Result Table (Uncal - L:\int20228 - Unit 2 UV)

Reten. Time [min]	Area [mV.s]	Height [mV]	Area [%]	Height [%]	W05 [min]
No peak to report					

RT: 0.00 - 1.98



M1864--Q#1-199 RT: 0.00-1.98 AV: 199

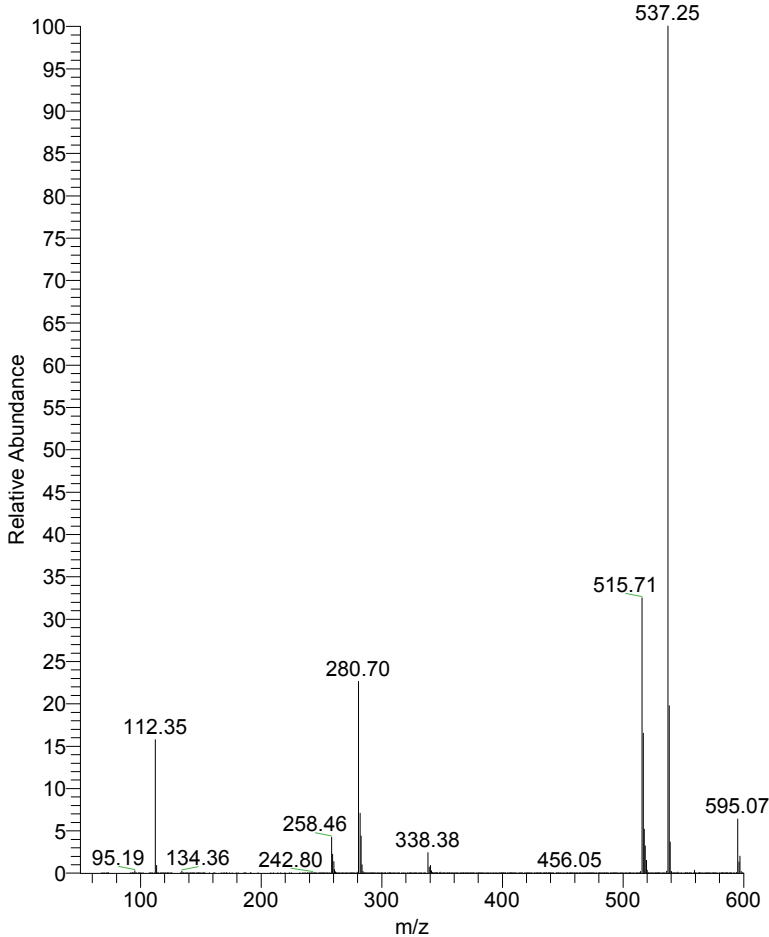
T: + c NSI Full ms [50.00-600.00]

m/z = 278.04-291.42

m/z	Intensity	Relative
278.52	9185.0	0.02
279.66	174854.3	0.36
280.70	49250390.5	100.00
281.95	15295794.1	31.06
282.87	9513768.6	19.32
283.63	2084700.4	4.23
284.30	371710.6	0.75
285.02	68403.6	0.14
285.76	16283.0	0.03
286.64	5915.5	0.01
287.15	491.6	0.00
287.82	3290.9	0.01
288.54	2448.4	0.00
289.52	1739.2	0.00
290.23	2378.1	0.00
291.01	1053.8	0.00

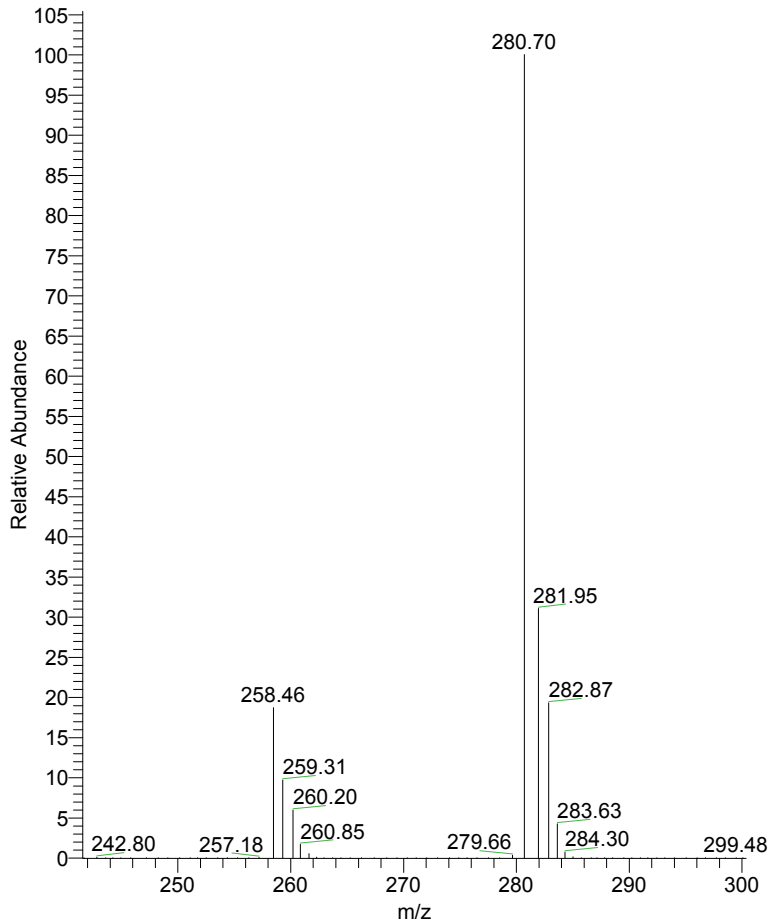
M1864--Q #1-199 RT: 0.00-1.98 AV: 199 NL: 2.18E8

T: + c NSI Full ms [50.00-600.00]



M1864--Q #1-199 RT: 0.00-1.98 AV: 199 NL: 4.93E7

T: + c NSI Full ms [50.00-600.00]



M1864 1H NMR in D2O
Batch 20041105-Q

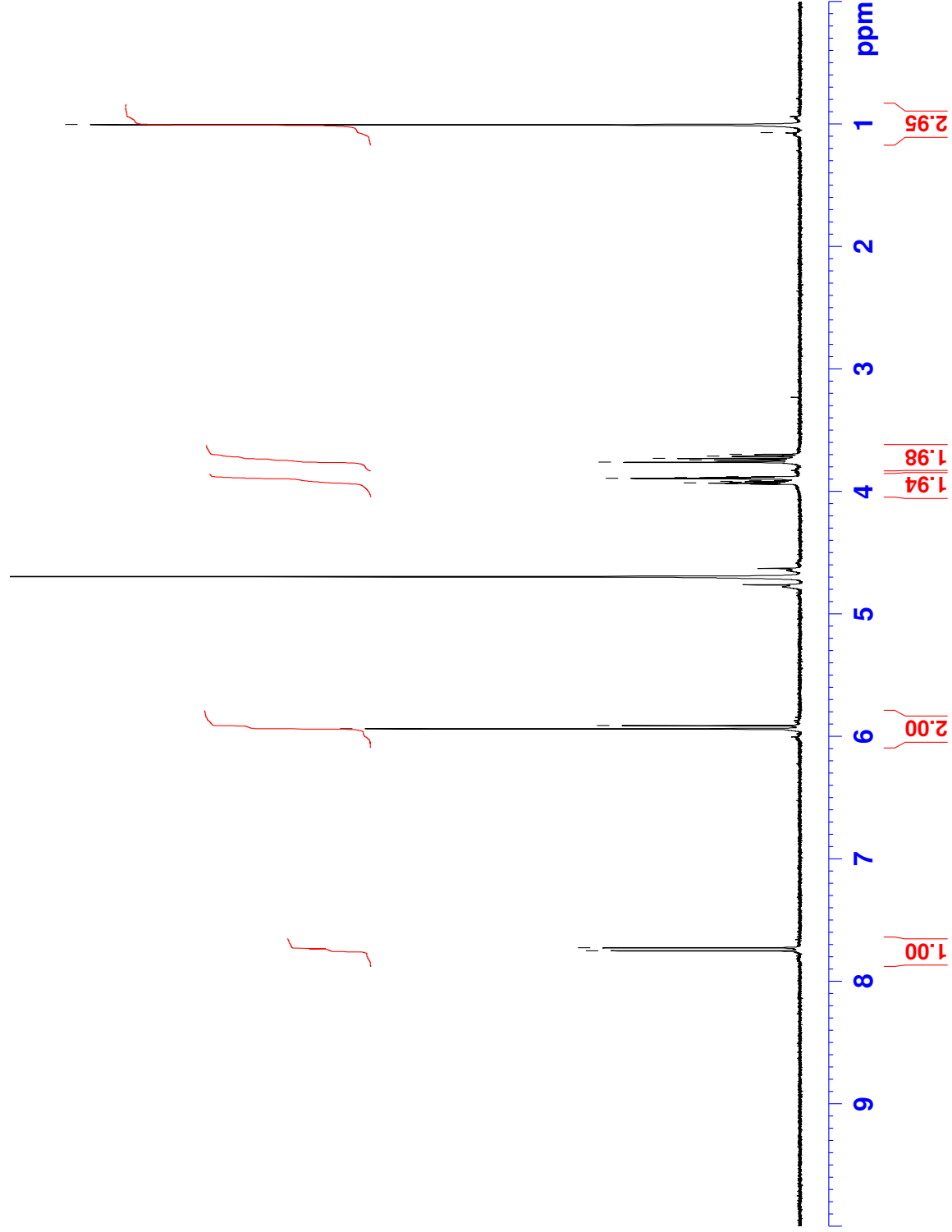


7.751
7.726

5.938
5.912

3.938
3.931
3.925
3.918
3.918
3.911
3.893
3.887
3.880
3.761
3.743
3.731
3.712
3.697

1.071
1.004



Current Data Parameters
NAME M1864
EXPNO 1
PROCNO 1

F2 - Acquisition Parameter
Date_ 20090421
Time 10.21
INSTRUM spect
PROBHD 5 mm DUX 3H-1H
PULPROG zg30
TD 65536
SOLVENT D2O
NS 485
DS 2
SWH 4496.403 Hz
FIDRES 0.068610 Hz
AQ 7.2876530 se
RG 362
DW 111.200 us
DE 6.00 us
TE 300.0 K
D1 1.00000000 se
TD0 1

==== CHANNEL f1 =====
NUC1 1H
P1 10.25 us
PL1 0.00 dB
SFO1 300.1318534 MH

F2 - Processing parameters
SI 32768
SF 300.1300000 MH
WDW no
SSB 0
LB 0.00 Hz
GB 0
PC 1.00

11/Aug/09 15:40:39

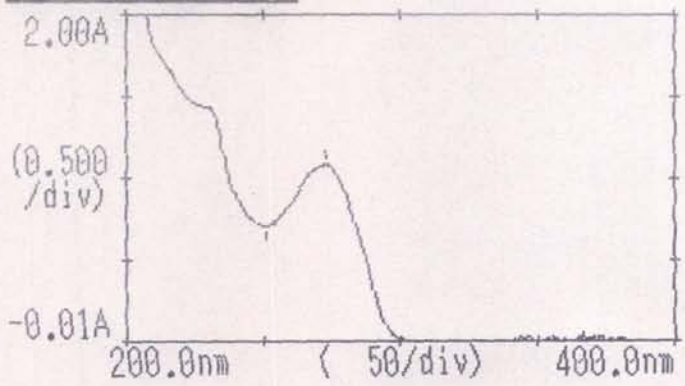
Peak detection

Abscis.	ABS	Abscis.	ABS
273.0	1.001		

Graph PrintOut Valley

11/Aug/09 15:41:07

Data Processing



PrintOut Peak Valley