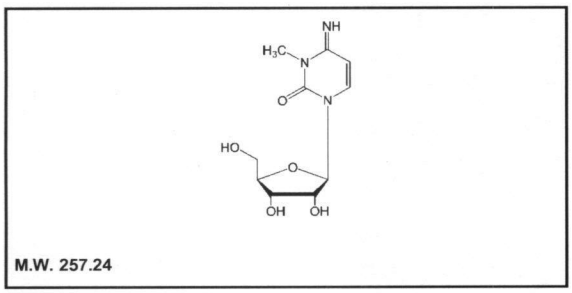
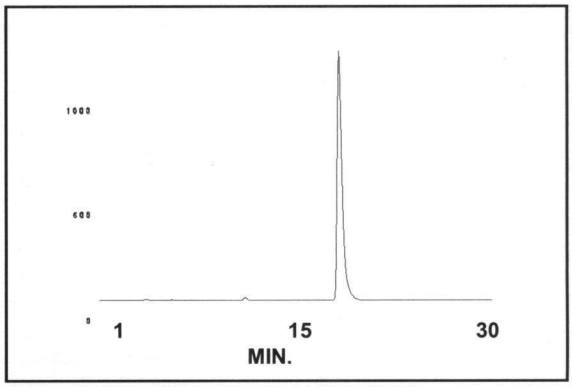
Product Data Sheet

M-1803

N3-Methylcytidine



M.W. 257.24



HPLC ANALYSIS LOT 208-283-000-A-20090622-HP
File Name: int61254 Date and Time: 1/19/2010 3:28:55 PM
Unit 6 UV

Peak #	Area %	Time	Area
1	0.04	4.80670	1.25611
2	0.15	9.47000	4.85886
3	0.62	11.16670	19.69559
4	99.19	18.32330	3176.31228
Totals	100.00		3202.12284

Lot #: 208-283-000-A-20090622-HP

Packaged as: Solid

Date of Analysis: January 19, 2010

Chemical Purity @ 262nm: 99.1%

Storage Recommendation: Store at -20°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.

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M-1803

N^3-Methylcytidine

Lot 208-283-000-A-20090622-HP

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

Concentrations and volumes:

N^3-Methylcytidine solution concentration was 1.0 mg/ml.

Volume of **N^3-Methylcytidine** injection was 2.5 µl.

Volume of blank injection was 2.5 µl.

B) Mass spectrometry - Positive mode

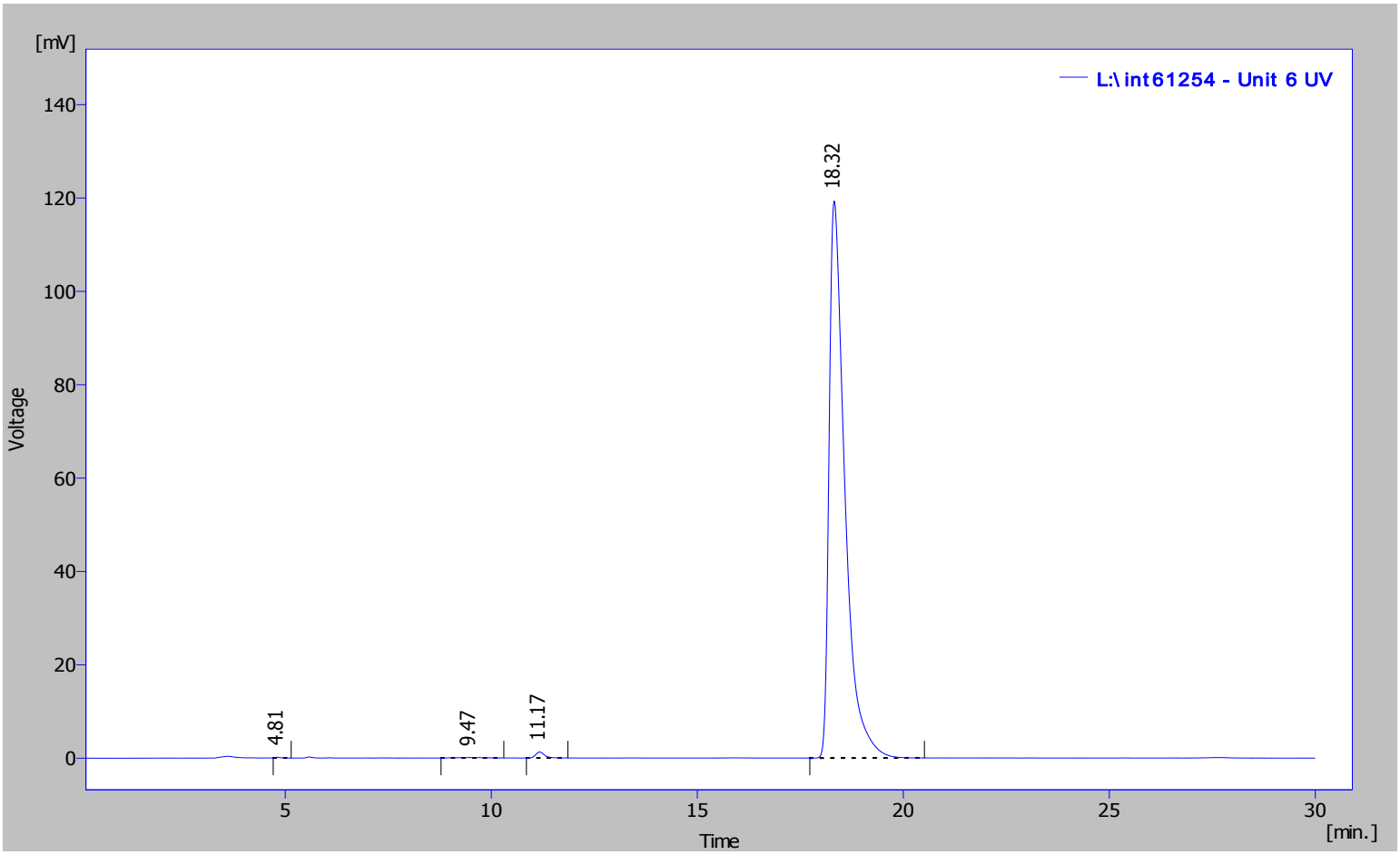
C) NMR

D) UV Spectrum

M-1803
N3-Methylcytidine
Lot 208-283-000-A-20090622-HP

Chromatogram Info:

File Name	: L:\int61254	File Created	: 12/17/2013 11:23:59 AM
Origin	: Acquired, Acquisition started 1/19/2010 2:58:55 PM	Acquired Date	: 1/19/2010 3:28:55 PM
Project	: Test	By	: Administrator
Method	: Unit6-30minrun	By	: Administrator
Description	: UV trace of N3-Methylcytidine		
Created	: 7/14/2007 11:10 AM	Modified	: 12/17/2013 11:28 AM
Column	:	Detection	: UV 262nm
Mobile Phase	:	Temperature	:
Flow Rate	:	Pressure	:
Note	:		



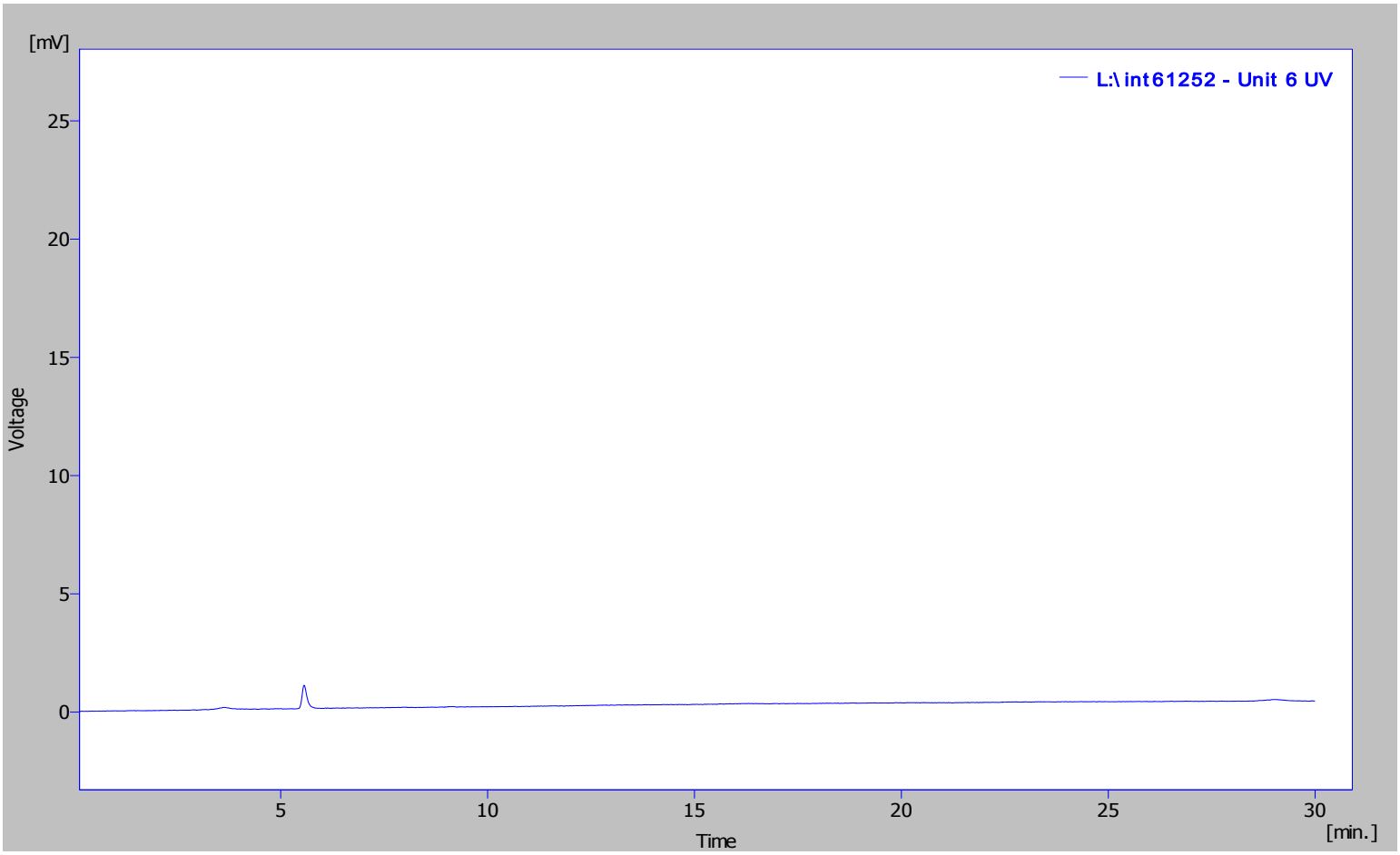
Result Table (Uncal - L:\int61254 - Unit 6 UV)

	Compound Name	Reten. Time [min]	Area [%]	Area [mV.s]	Height [mV]	Height [%]	Efficiency [th.pl]
1		4.807	0.04	1.256	0.156	0.129	8888.639
2		9.470	0.15	4.859	0.106	0.088	738.894
3		11.167	0.62	19.696	1.285	1.063	13445.642
4		18.323	99.19	3176.312	119.331	98.720	12228.960
		Total	100.00	3202.123	120.878	100.000	

M-1803
N3-Methylcytidine
Lot 208-283-000-A-20090622-HP

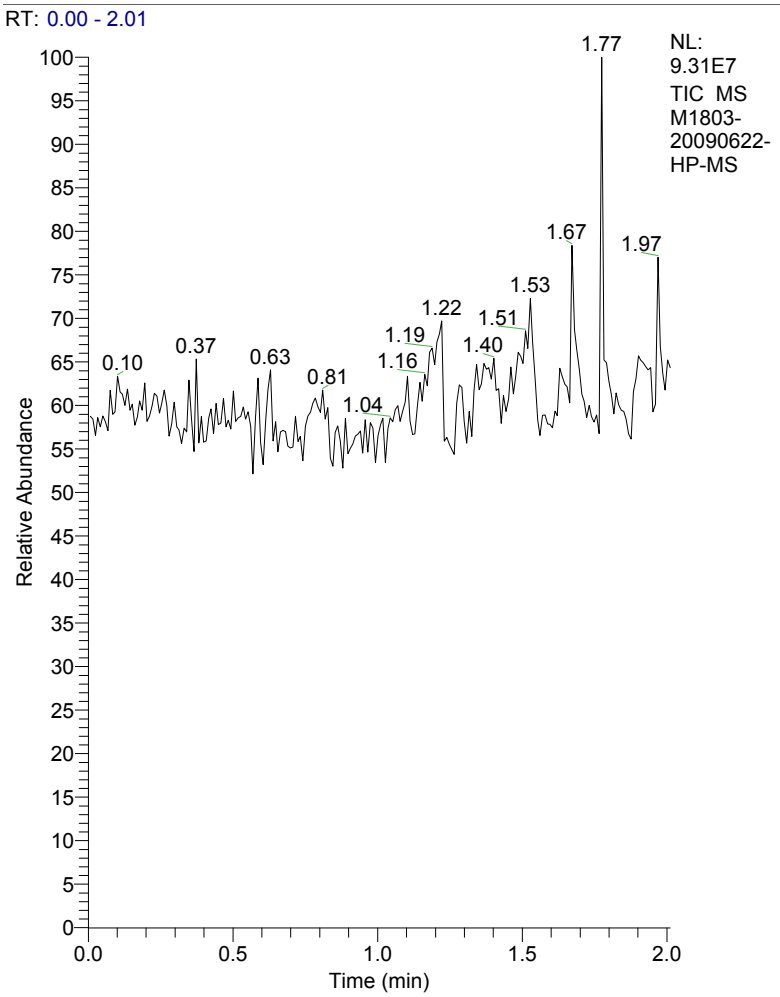
Chromatogram Info:

File Name	: L:\int61252	File Created	: 12/17/2013 11:23:58 AM
Origin	: Acquired, Acquisition started 1/19/2010 1:47:31 PM	Acquired Date	: 1/19/2010 2:17:31 PM
Project	: Test	By	: Administrator
Method	: Unit6-30minrun	By	: Administrator
Description	: UV trace of blank injection		
Created	: 7/14/2007 11:10 AM	Modified	: 12/17/2013 11:32 AM
Column	:	Detection	: UV 262nm
Mobile Phase	:	Temperature	:
Flow Rate	:	Pressure	:
Note	:		



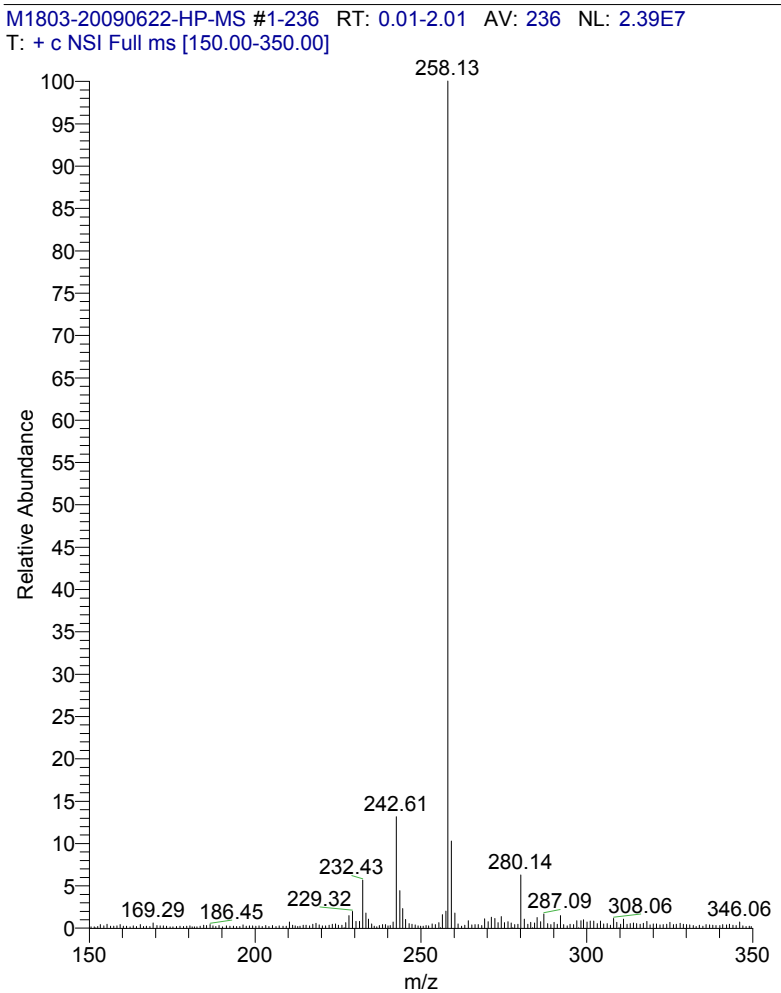
Result Table (Uncal - L:\int61252 - Unit 6 UV)

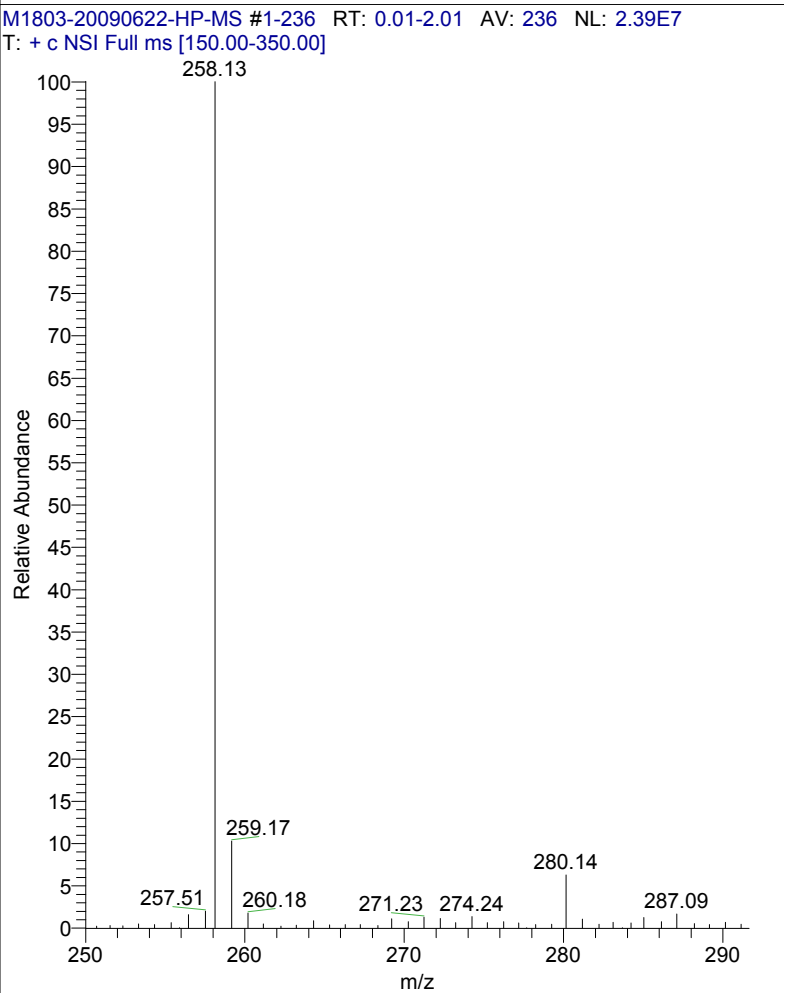
Compound Name	Reten. Time [min]	Area [%]	Area [mV.s]	Height [mV]	Height [%]	Efficiency [th.pl]
No peak to report						



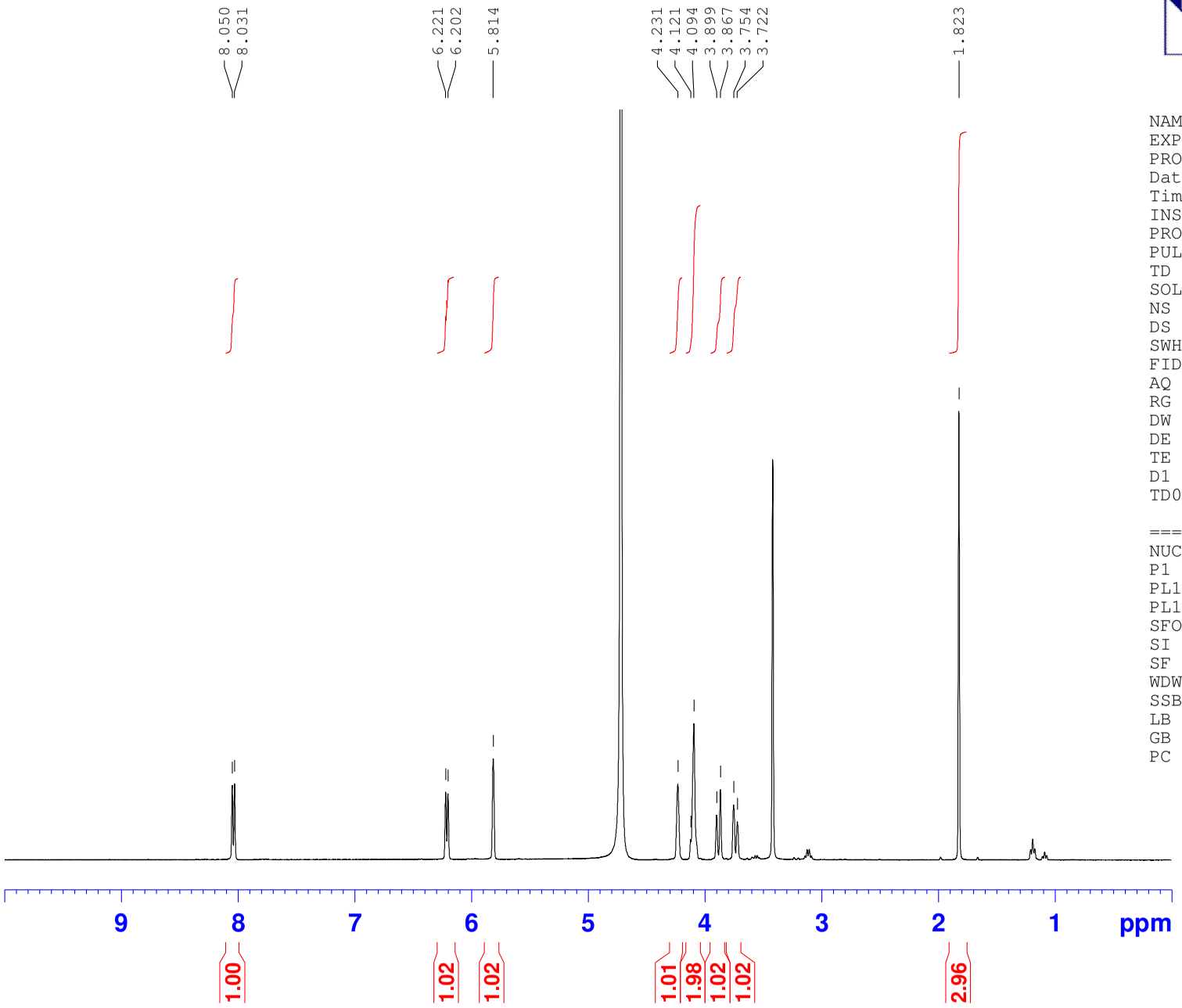
M1803-20090622-HP-MS#1-236 RT: 0.01-2.01
T: + c NSI Full ms [150.00-350.00]
m/z= 254.58-270.61

m/z	Intensity	Relative
257.51	476711.6	1.99
258.13	23942115.8	100.00
259.17	2458602.0	10.27
260.18	422523.8	1.76
261.16	110822.9	0.46
262.26	48982.7	0.20
263.23	77991.9	0.33
264.30	201392.3	0.84
265.31	87067.2	0.36
266.30	95373.0	0.40
267.25	96028.4	0.40
268.35	67269.3	0.28
269.20	255725.5	1.07
270.25	175484.7	0.73





M1803 1H NMR in D2O
Batch 20090622-HP



NAME	M1803
EXPNO	1
PROCNO	1
Date_	20090721
Time	13.37
INSTRUM	spect
PROBHD	5 mm PABBO BB-
PULPROG	zg30
TD	65536
SOLVENT	D2O
NS	512
DS	2
SWH	8278.146 Hz
FIDRES	0.126314 Hz
AQ	3.9584243 sec
RG	256
DW	60.400 usec
DE	6.50 usec
TE	295.1 K
D1	1.00000000 sec
TD0	1
======== CHANNEL f1 ========	
NUC1	1H
P1	14.50 usec
PL1	-0.70 dB
PL1W	10.03411102 W
SFO1	400.1324710 MHz
SI	32768
SF	400.1299917 MHz
WDW	no
SSB	0
LB	0.00 Hz
GB	0
PC	1.00

19/Jan/10 03:42:54

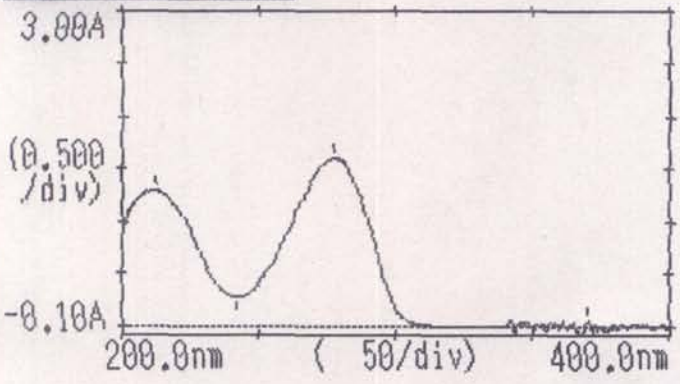
Peak detection

Abscis.	ABS	Abscis.	ABS
370.5	0.049		
278.0	1.610		
212.5	1.305		

Graph | PrintOut | | Valley

19/Jan/10 03:43:27

Data Processing



	PrintOut	Peak	Valley