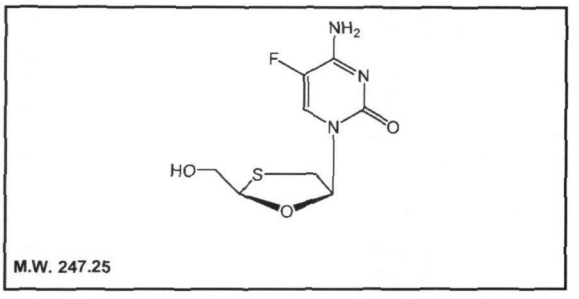
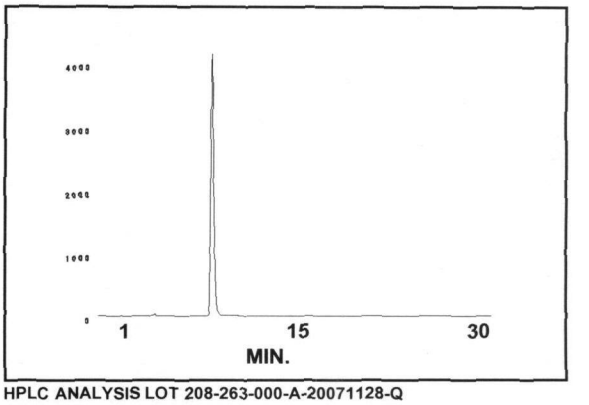
Product Data Sheet

M-1605

(-)-ß-2',3'-Dideoxy-5-fluoro-3'-thiacytidine



M.W. 247.25



HPLC ANALYSIS LOT 208-263-000-A-20071128-Q
File Name: intm5398 Date and Time: 6/14/2013 11:20:19 A
Unit 20 UV

Peak #	Area %	Time	Area
1	0.06	1.77670	4.00332
2	0.02	5.06670	1.42274
3	99.92	8.70330	6783.51192
Totals	*100.00*		*6788.93798*

Lot #: 208-263-000-A-20071128-Q

Packaged as: Solid

Date of Analysis: June 14, 2013

Chemical Purity @ 281nm: 99.9%

Stability and Storage Recommendation: The rate of decomposition is approximately 0.2%/year after purification when stored 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-1605

(-)-ß-2',3'-Dideoxy-5-fluoro-3'-thiacytidine

Lot 208-263-000-A-20071128-Q

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

Concentrations and volumes:

(-)-ß-2',3'-Dideoxy-5-fluoro-3'-thiacytidine concentration was 0.5 mg/ml.

Volume of **(-)-ß-2',3'-Dideoxy-5-fluoro-3'-thiacytidine** alone injection was 20.0 µl.

Volume of blank injection was 20.0 µl.

B) Mass spectrometry - Positive mode

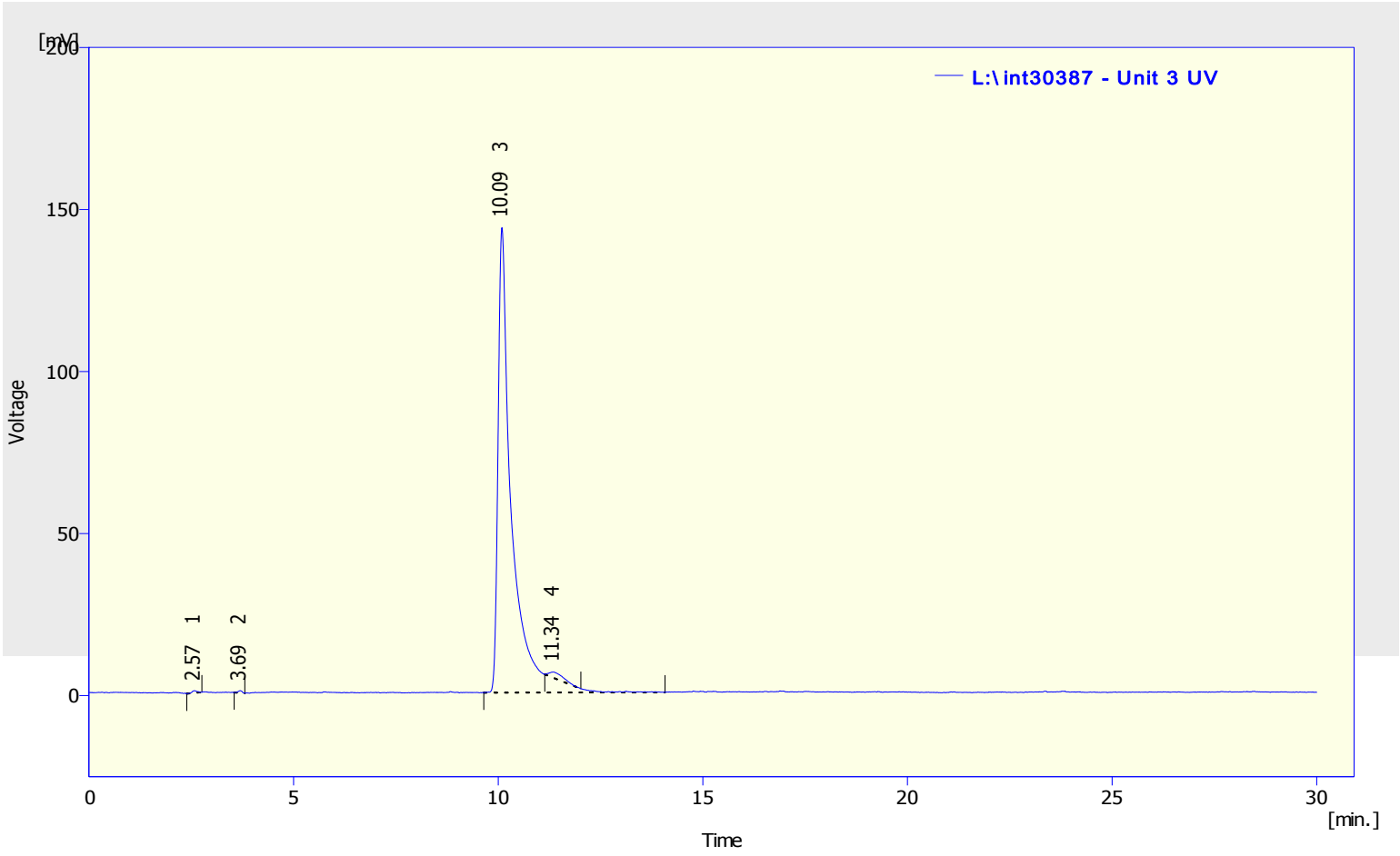
C) NMR

D) UV spectrum

M-1605
(-)-ß-2',3' Dideoxy-5-fluoro-3'-thiacytidine
Lot 208-263-000-A-20071128-Q

Chromatogram Info:

File Name	: L:\int30387	File Created	: 5/26/2009 1:10:35 PM
Origin	: Acquired	Acquired Date	: 5/26/2009 1:10:04 PM
Project	: Test	By	: Administrator
Method	: unit3-30minrun	By	: Administrator
Description	: UV trace of (-)-ß-2',3' Dideoxy-5-fluoro-3'-thiacytidine		
Created	: 7/2/2007 10:58 AM	Modified	: 6/23/2009 9:02 AM
Column	:	Detection	: 281nm
Mobile Phase	:	Temperature	:
Flow Rate	:	Pressure	:
Note	:		



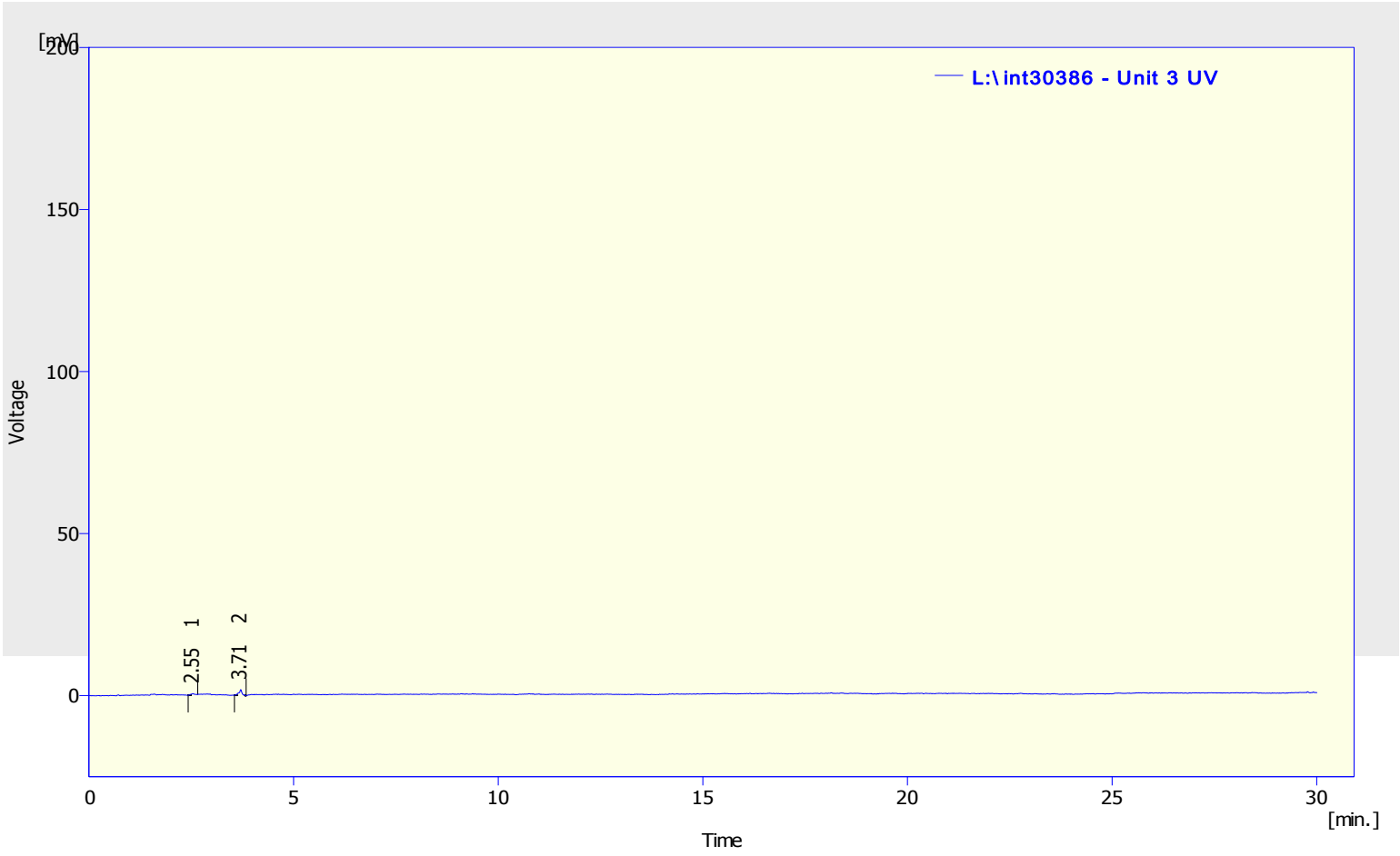
Result Table (Uncal - L:\int30387 - Unit 3 UV)

	Reten. Time [min]	Area [mV.s]	Height [mV]	Area [%]	Height [%]	W05 [min]
1	2.570	6.199	0.734	0.2	0.5	0.17
2	3.693	4.765	0.694	0.1	0.5	0.12
3	10.090	3354.318	143.521	98.3	97.8	0.27
4	11.343	48.618	1.808	1.4	1.2	0.37
	Total	3413.901	146.756	100.0	100.0	

M-1605
(-)-ß-2',3' Dideoxy-5-fluoro-3'-thiacytidine
Lot 208-263-000-A-20071128-Q

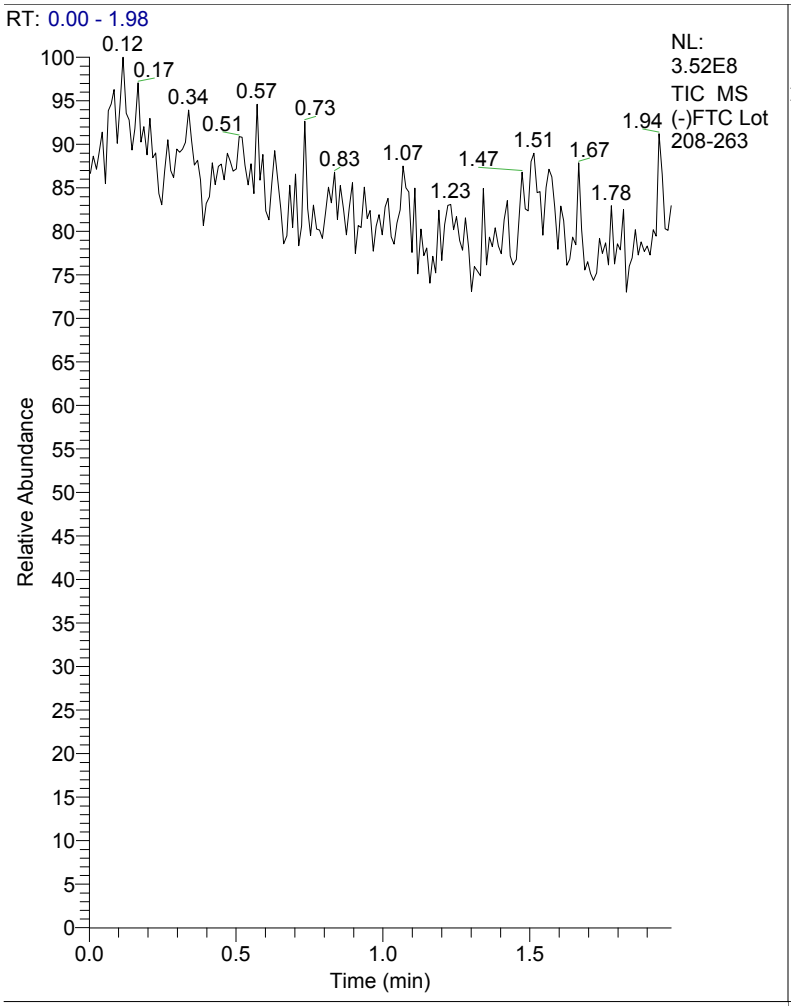
Chromatogram Info:

File Name	: L:\int30386	File Created	: 5/26/2009 12:31:38 PM
Origin	: Acquired	Acquired Date	: 5/26/2009 12:31:06 PM
Project	: Test	By	: Administrator
Method	: unit3-30minrun	By	: Administrator
Description	: UV trace of blank injection		
Created	: 7/2/2007 10:58 AM	Modified	: 6/23/2009 9:08 AM
Column	:	Detection	: 281nm
Mobile Phase	:	Temperature	:
Flow Rate	:	Pressure	:
Note	:		



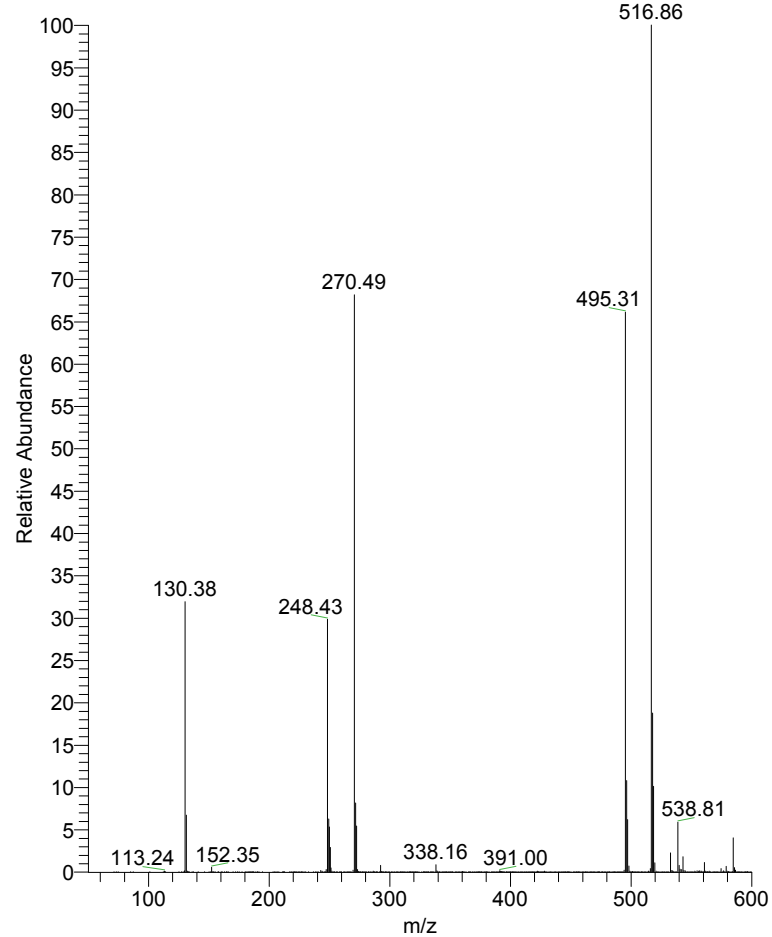
Result Table (Uncal - L:\int30386 - Unit 3 UV)

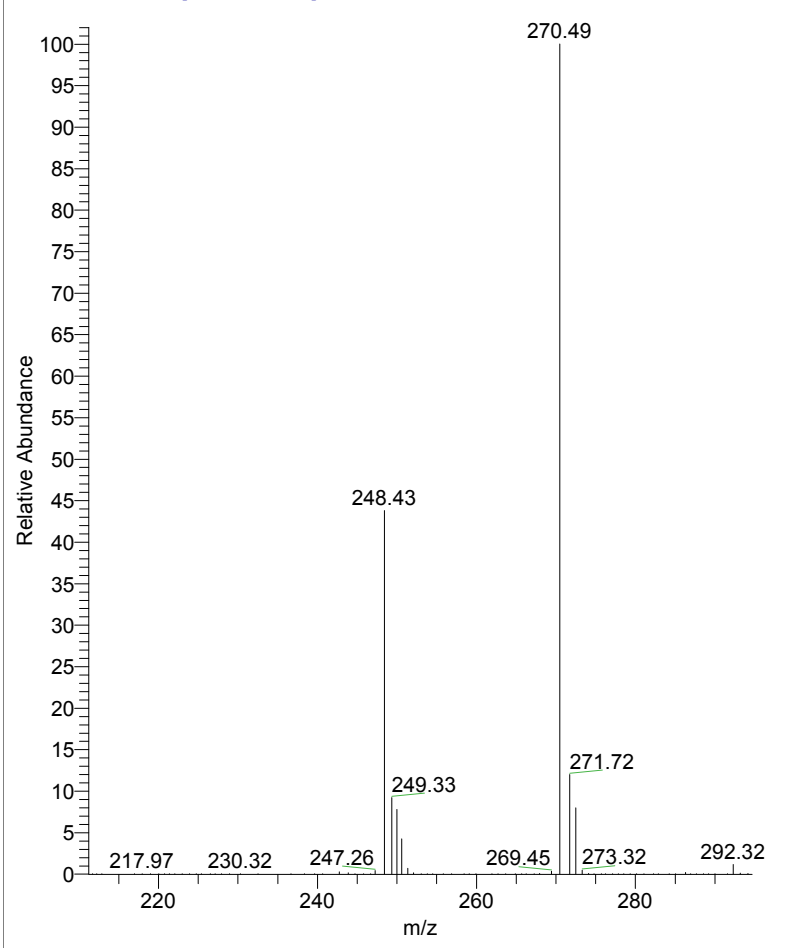
	Reten. Time [min]	Area [mV.s]	Height [mV]	Area [%]	Height [%]	W05 [min]
1	2.550	2.553	0.399	21.7	18.2	0.10
2	3.710	9.204	1.790	78.3	81.8	0.06
	Total	11.757	2.189	100.0	100.0	



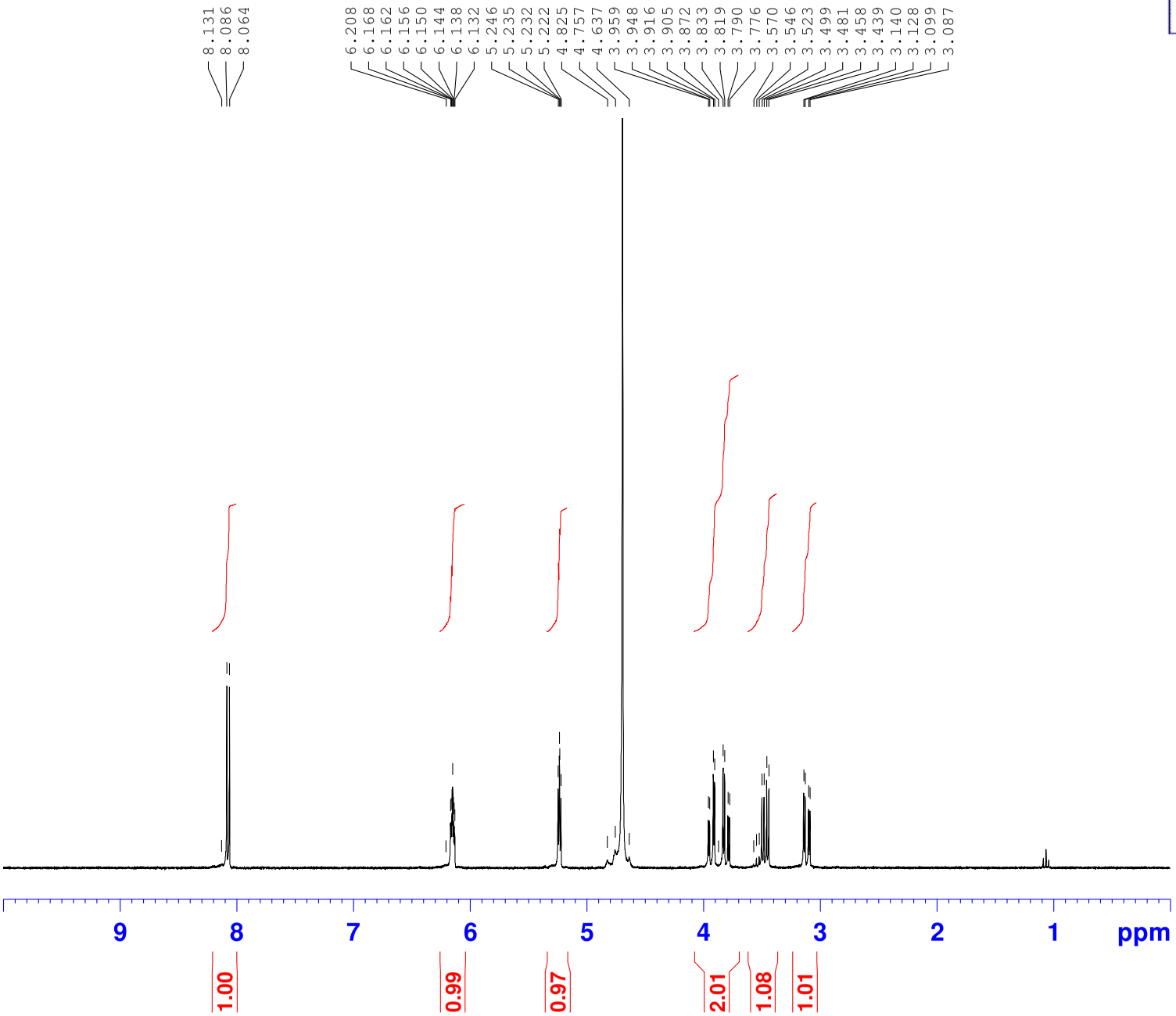
(-)FTC Lot 208-263#1-196 RT: 0.00-1.98
T: + c NSI Full ms [50.00-600.00]
m/z= 267.32-276.24

m/z	Intensity	Relative
267.96	22213.4	0.05
269.45	158693.5	0.32
270.49	49048793.5	100.00
271.72	5866586.7	11.96
272.48	3910060.4	7.97
273.32	216905.6	0.44
274.09	36461.8	0.07
274.79	8447.0	0.02
275.70	1417.3	0.00





M1605 1H NMR in D2O
Batch 20071128-Q



Current Data Parameters
NAME M1605
EXPNO 1
PROCNO 1

F2 - Acquisition Parameter
Date_ 20090227
Time 11.40
INSTRUM spect
PROBHD 5 mm DUX 3H-1H
PULPROG zg30
TD 65536
SOLVENT D2O
NS 500
DS 2
SWH 6172.839 Hz
FIDRES 0.094190 Hz
AQ 5.3084660 se
RG 362
DW 81.000 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

26/May/09 11:45:20

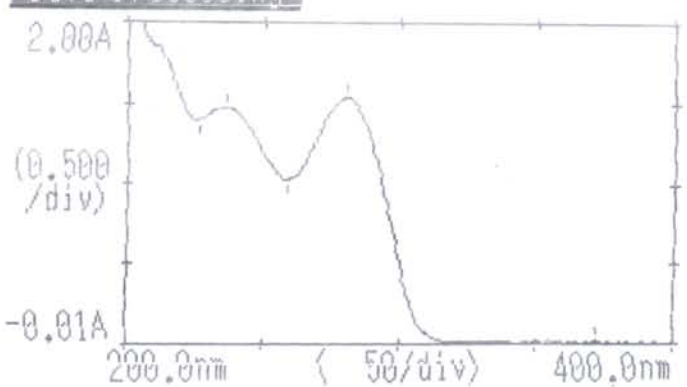
Peak detection

Abscis.	ABS	Abscis.	ABS
372.5	0.019		
281.0	1.548		
236.5	1.481		

Graph | PrintOut | | Valley

26/May/09 11:45:51

Data Processing



	PrintOut	Peak	Valley