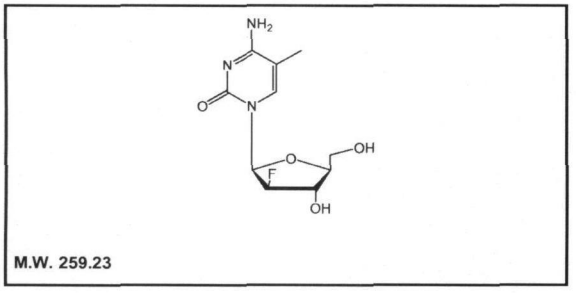
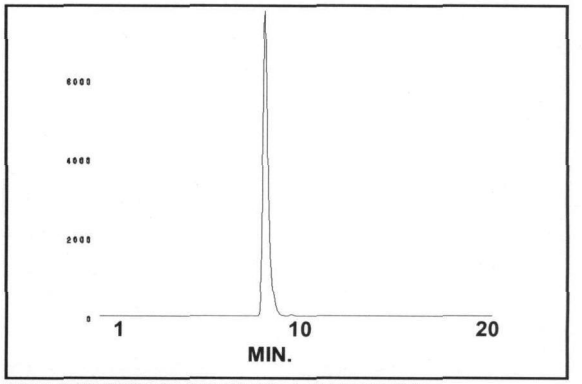
Product Data Sheet

M-1913

2'-Deoxy-2'-fluoro-5-methyl-L-arabinofuranosyl cytosine



M.W. 259.23



Lot #: 221-010-000-A-20110712-KDZ

Packaged as: Solid

Date of Analysis: July 23, 2011

Chemical Purity @ 255nm: 99.6%

HPLC ANALYSIS LOT 221-010-000-A-20110712-KDZ
File Name: intm3937 Date and Time: 7/23/2011 11:52:35 A
Unit 20 UV

Peak #	Area %	Time	Area
1	0.01	3.15670	1.17392
2	0.01	6.91330	2.15264
3	99.68	8.46000	14704.27451
4	0.30	9.78000	44.43899
Totals	100.00		14752.04006

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.

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M-1913

2'-Deoxy-2'-fluoro-5-methyl-L-arabinofuranosyl cytosine

Lot 221-010-000-A-20110712-KDZ

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

Concentrations and volumes:

2'-Deoxy-2'-fluoro-5-methyl-L-arabinofuranosyl cytosine concentration was 1.0 mg/ml.

Volume of **2'-Deoxy-2'-fluoro-5-methyl-L-arabinofuranosyl cytosine** injection was 5.0 µl.

Volume of blank injection was 5.0 µl.

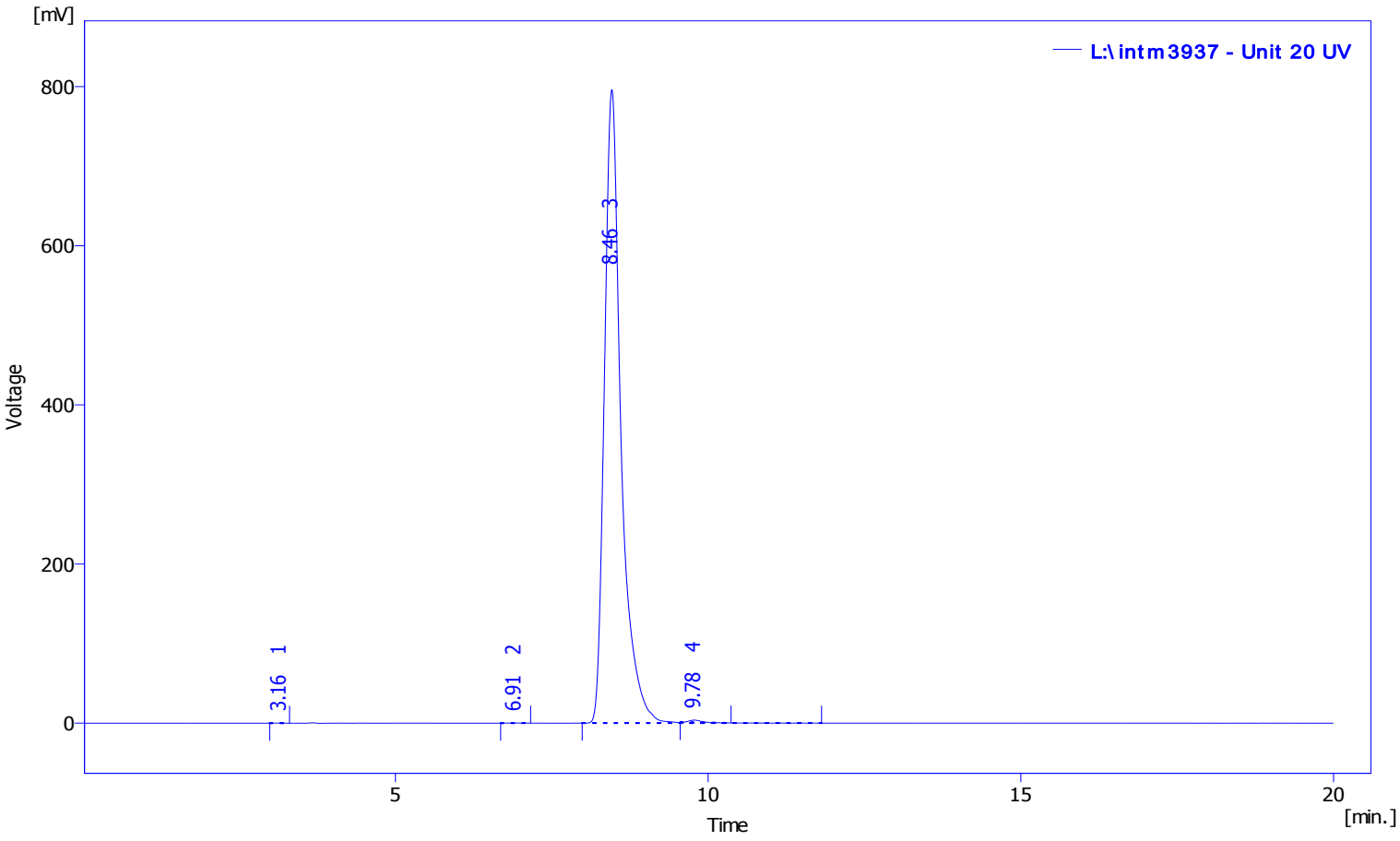
B) Mass spectrometry - Positive mode

C) NMR

M-1913
2'-Deoxy-2'-fluoro-5-methyl-L-arabinofuranosyl cytosine
Lot 221-010-000-A-20110712-KDZ

Chromatogram Info:

File Name	: L:\intm3937	File Created	: 2/6/2014 1:54:39 PM
Origin	: Acquired, Acquisition started 7/23/2011 11:32:35 AM	Acquired Date	: 7/23/2011 11:52:35 AM
Project	: Test	By	: Administrator
Method	: Unit_20_20_min_run	By	: Administrator
Description	: UV trace of 2'-Deoxy-2'-fluoro-5-methyl-L-arabinofuranosyl cytosine		
Created	: 4/15/2008 11:38 AM	Modified	: 2/6/2014 2:01 PM
Column	:	Detection	: UV 255nm
Mobile Phase	:	Temperature	:
Flow Rate	:	Pressure	:
Note	:		



Result Table (Uncal - L:\intm3937 - Unit 20 UV)

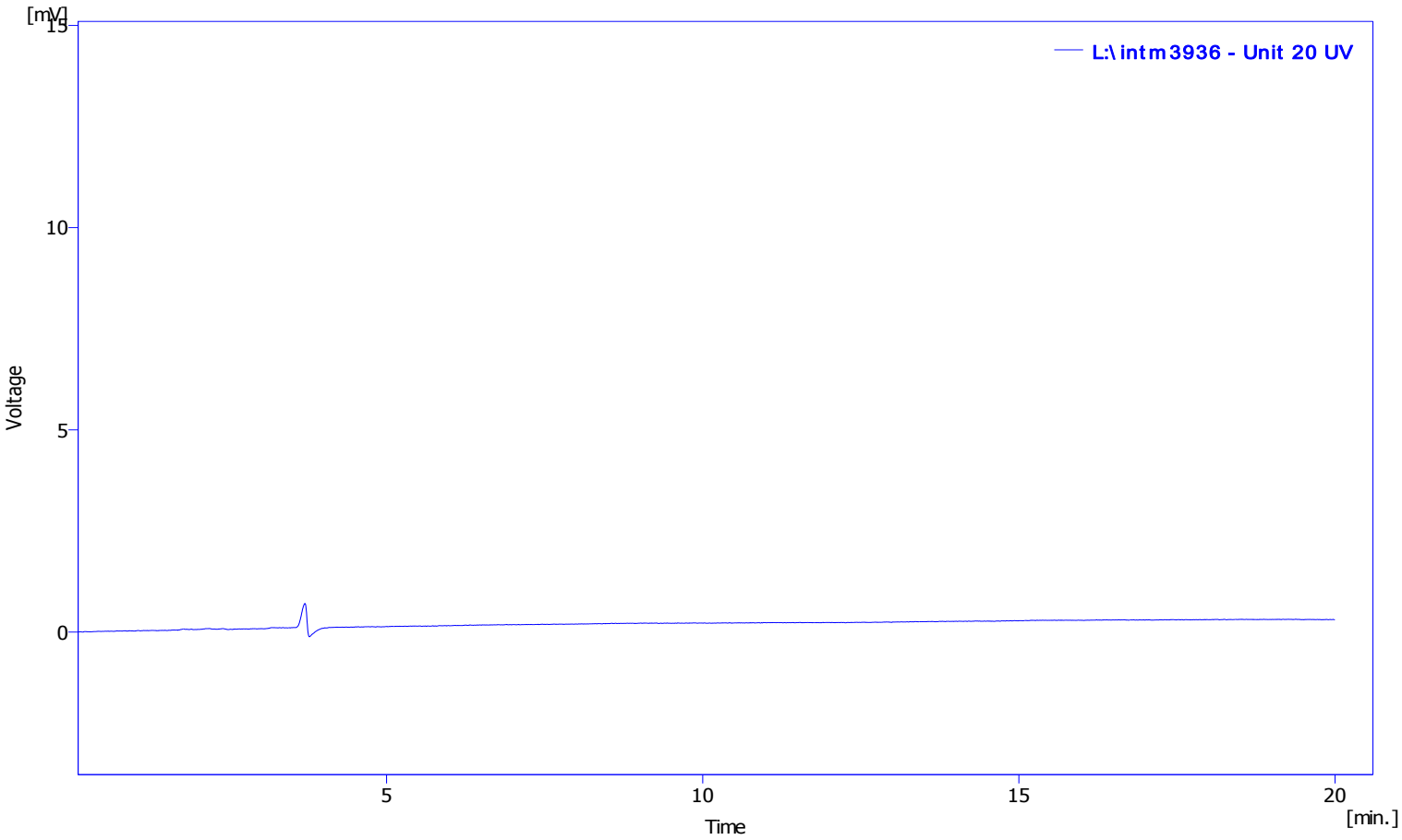
	Compound Name	Reten. Time [min]	Area [mV.s]	Height [mV]	Area [%]	Height [%]	Efficiency [th.pl]	Eff/l [t.p./m]	Symmetry/Tailing [-]	Response Factor	Resolution [-]
1		3.16	1.174	0.15	0.01	0.02	3833.58	76671.63	0.99		
2		6.91	2.153	0.20	0.01	0.02	8812.94	176258.71	1.19		15.1
3		8.46	14704.275	796.30	99.68	99.57	5717.93	114358.60	4.08		4.2
4		9.78	44.439	3.09	0.30	0.39	11287.64	225752.86	1.35		3.2
		Total	14752.040	799.74	100.00	100.00					

M-1913
2'-Deoxy-2'-fluoro-5-methyl-L-arabinofuranosyl cytosine
Lot 221-010-000-A-20110712-KDZ

Chromatogram Info:

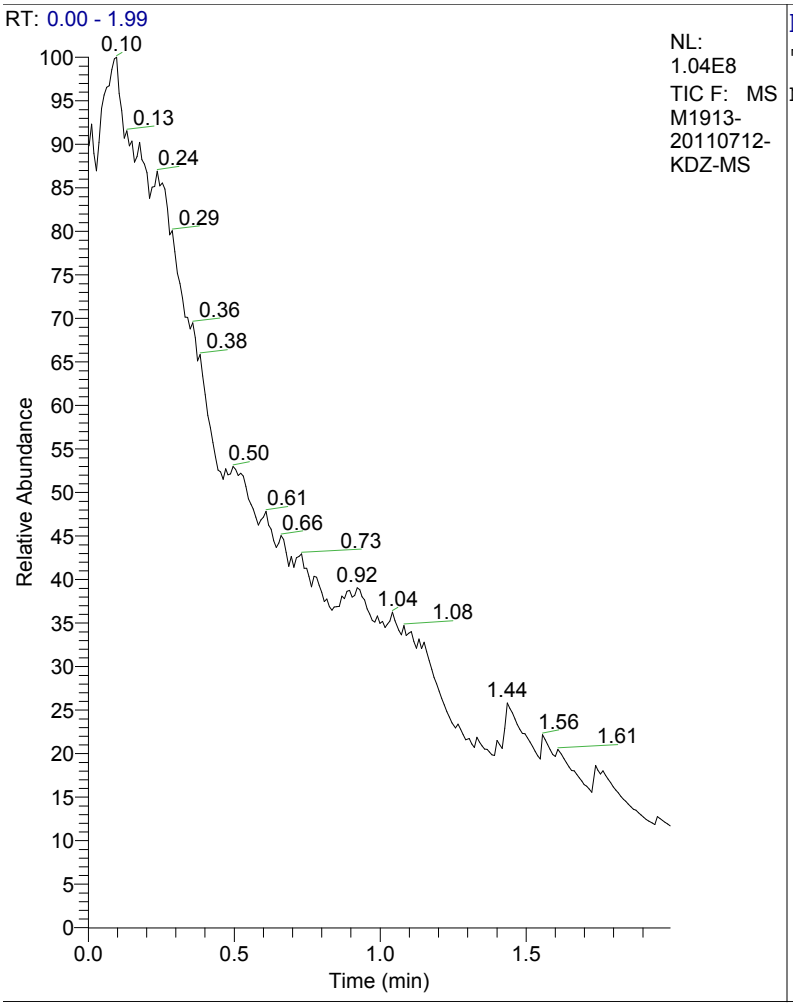
File Name	: L:\intm3936	File Created	: 2/6/2014 1:54:39 PM
Origin	: Acquired, Acquisition started 7/23/2011 11:11:06 AM	Acquired Date	: 7/23/2011 11:31:05 AM
Project	: Test	By	: Administrator

Method	: Unit_20_20_min_run	By	: Administrator
Description	: UV trace of blank injection		
Created	: 4/15/2008 11:38 AM	Modified	: 2/6/2014 1:55 PM
Column	:	Detection	: UV 255nm
Mobile Phase	:	Temperature	:
Flow Rate	:	Pressure	:
Note	:		



Result Table (Uncal - L:\intm3936 - Unit 20 UV)

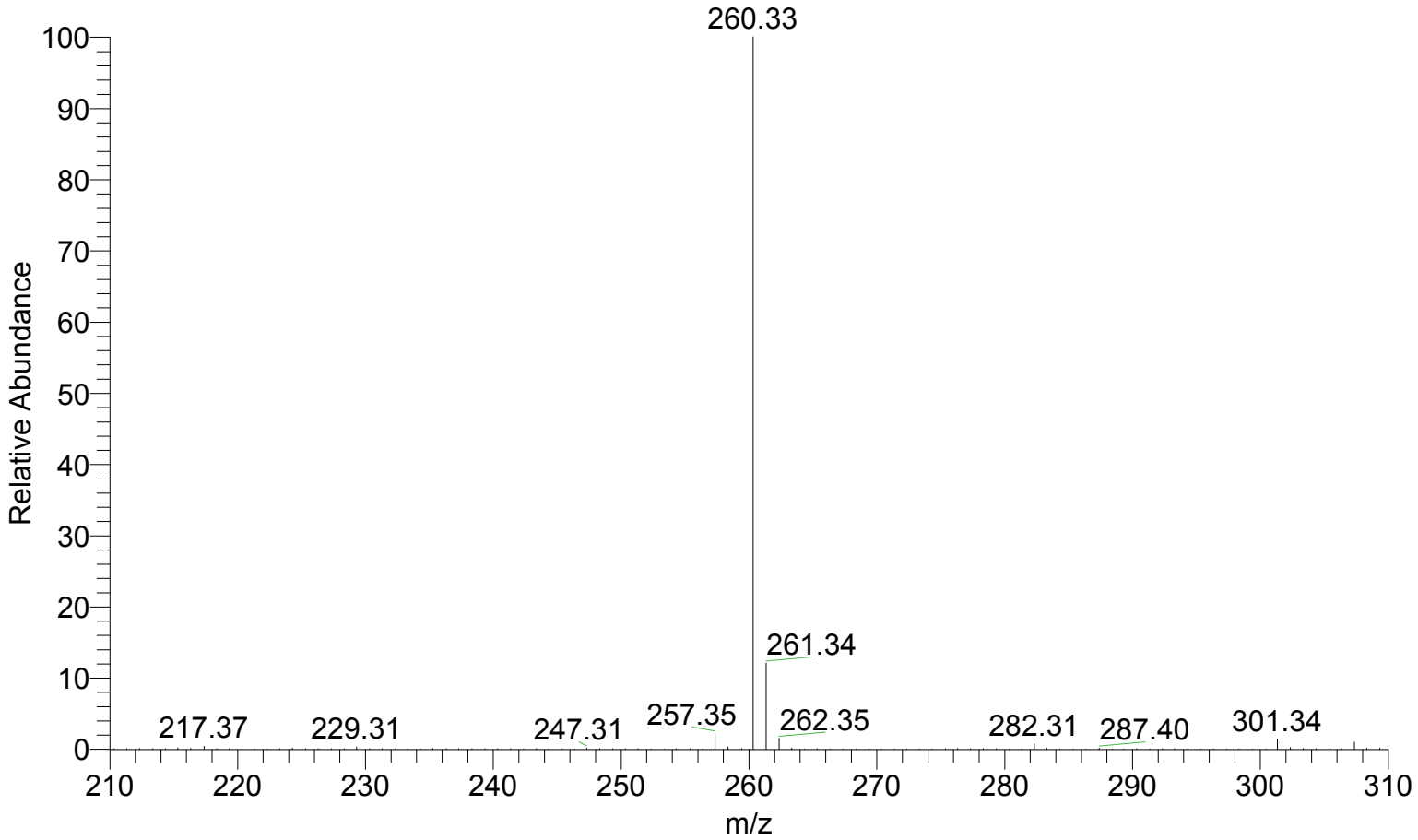
Compound Name	Reten. Time [min]	Area [mV.s]	Height [mV]	Area [%]	Height [%]	Efficiency [th.pl]	Eff/l [t.p./m]	Symmetry/Tailing [-]	Response Factor	Resolution [-]
No peak to report										



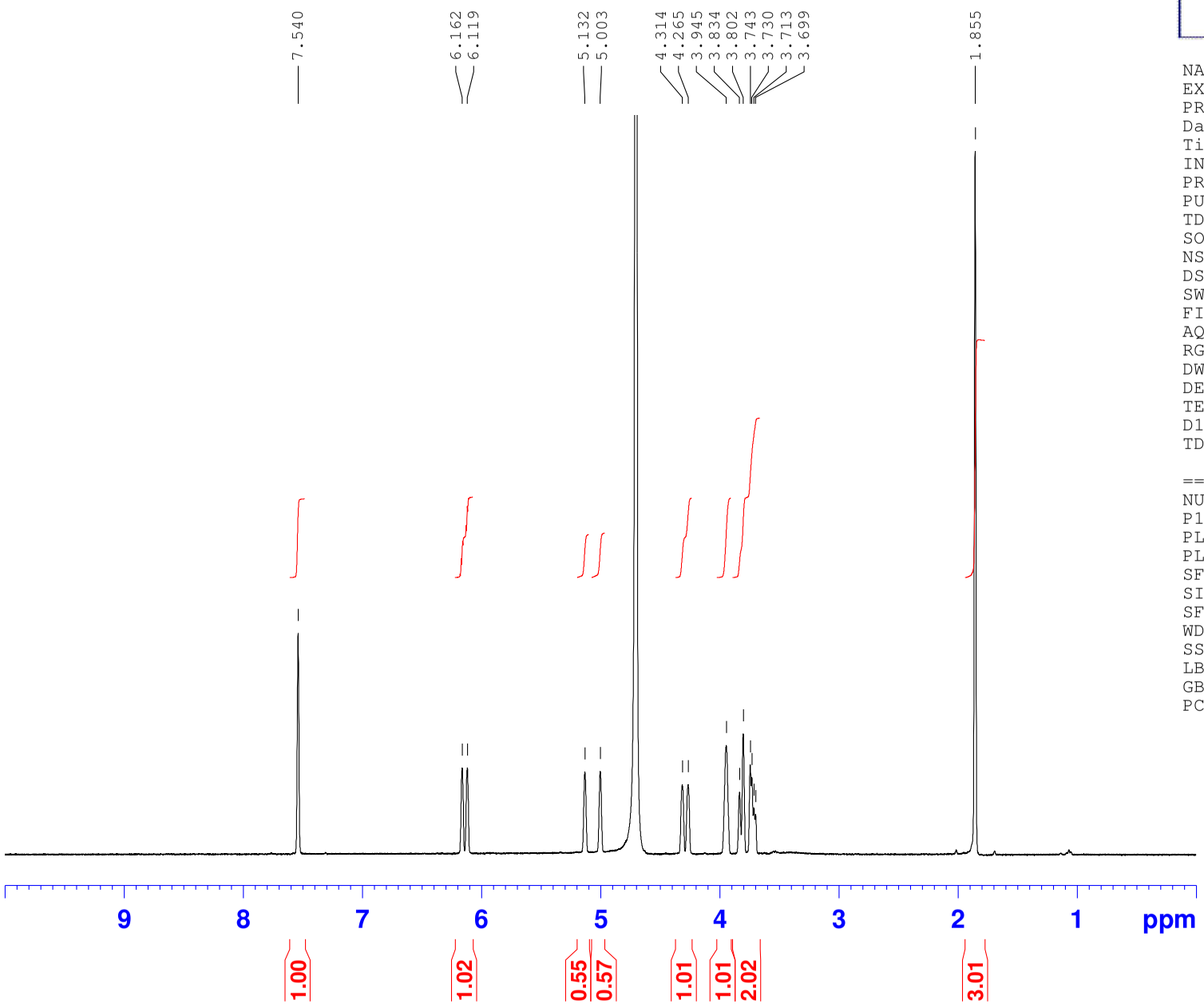
M1913-20110712-KDZ-MS#1-12 RT: 0.00-0.10
T: + c Q3MS [210.00-310.00]
m/z= 258.34-267.23

m/z	Intensity	Relative
258.36	254046.1	0.32
259.41	94766.7	0.12
260.33	78184626.0	100.00
261.34	9430177.6	12.06
262.35	1175463.3	1.50
263.34	125567.8	0.16
264.34	29569.7	0.04
265.33	34519.2	0.04
266.36	28444.0	0.04

M1913-20110712-KDZ-MS #1-12 RT: 0.00-0.10 AV: 12 NL: 7.82E7
T: + c Q3MS [210.00-310.00]



M1913 1H NMR in D2O
Batch 20110712-KDZ



NAME	M1913
EXPNO	1
PROCNO	1
Date_	20110725
Time	10.15
INSTRUM	spect
PROBHD	5 mm PABBO BB-
PULPROG	zg30
TD	65536
SOLVENT	D2O
NS	256
DS	0
SWH	8278.146 Hz
FIDRES	0.126314 Hz
AQ	3.9584243 sec
RG	645.1
DW	60.400 usec
DE	6.50 usec
TE	294.7 K
D1	2.00000000 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	400.1299987 MHz
WDW	no
SSB	0
LB	0.00 Hz
GB	0
PC	1.00