

MT- 648

2'-Deoxyuridine, [5-³H]-

Lot 165-069-0172-A-20080930-TT

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

Concentrations and volumes:

Standard solution concentration was 3.0 mg/ml.

2'-Deoxyuridine, [5-³H]- concentration was 1.0 mCi/ml.

Volume of standard alone injection was 1.0 µl.

Volume of **2'-Deoxyuridine, [5-³H]-** alone injection was 1.0 µl.

Co-injection solution consisted of 1.0 µl **2'-Deoxyuridine, [5-³H]-** + 0.5 µl standard.

Volume of co-injection was 1.5 µl.

Volume of blank injection was 1.0 µl.

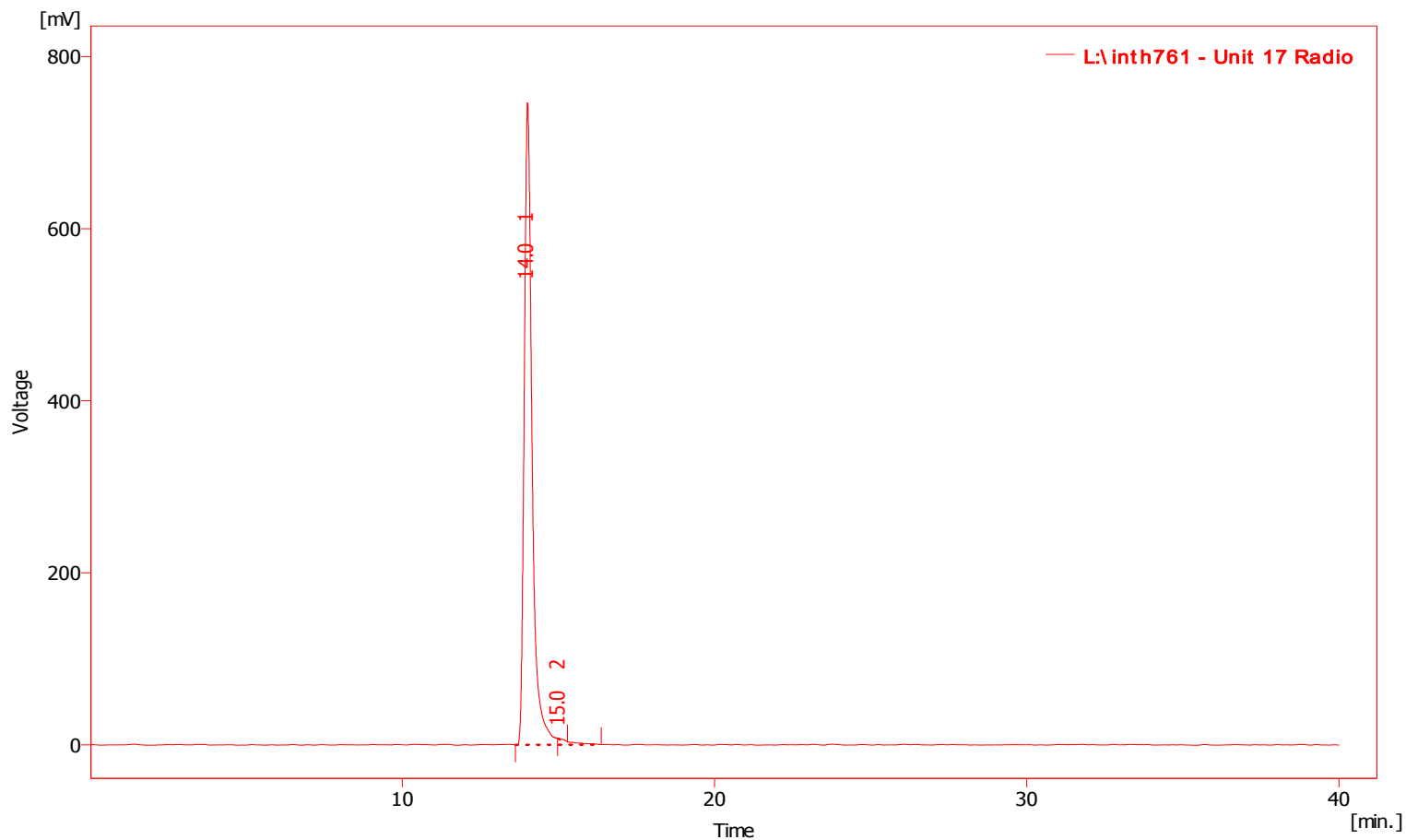
B) Mass spectrometry – Positive mode

C) NMR

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2'-Deoxyuridine, [5-3H]-
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Chromatogram Info:

File Name	: L:\inth761	File Created	: 2/27/2014 3:52:22 PM
Origin	: Acquired, Acquisition started 4/24/2009 12:41:42 PM	Acquired Date	: 4/24/2009 1:21:40 PM
Project	: Test	By	: Administrator
Method	: Unit17_40_min_run	By	: Administrator
Description	: Radiochemical trace of 3H material alone	Modified	: 2/27/2014 4:12 PM
Created	: 8/9/2007 8:59 AM		
Column	:	Detection	: Radiochemical
Mobile Phase	:	Temperature	:
Flow Rate	:	Pressure	:
Note	:		



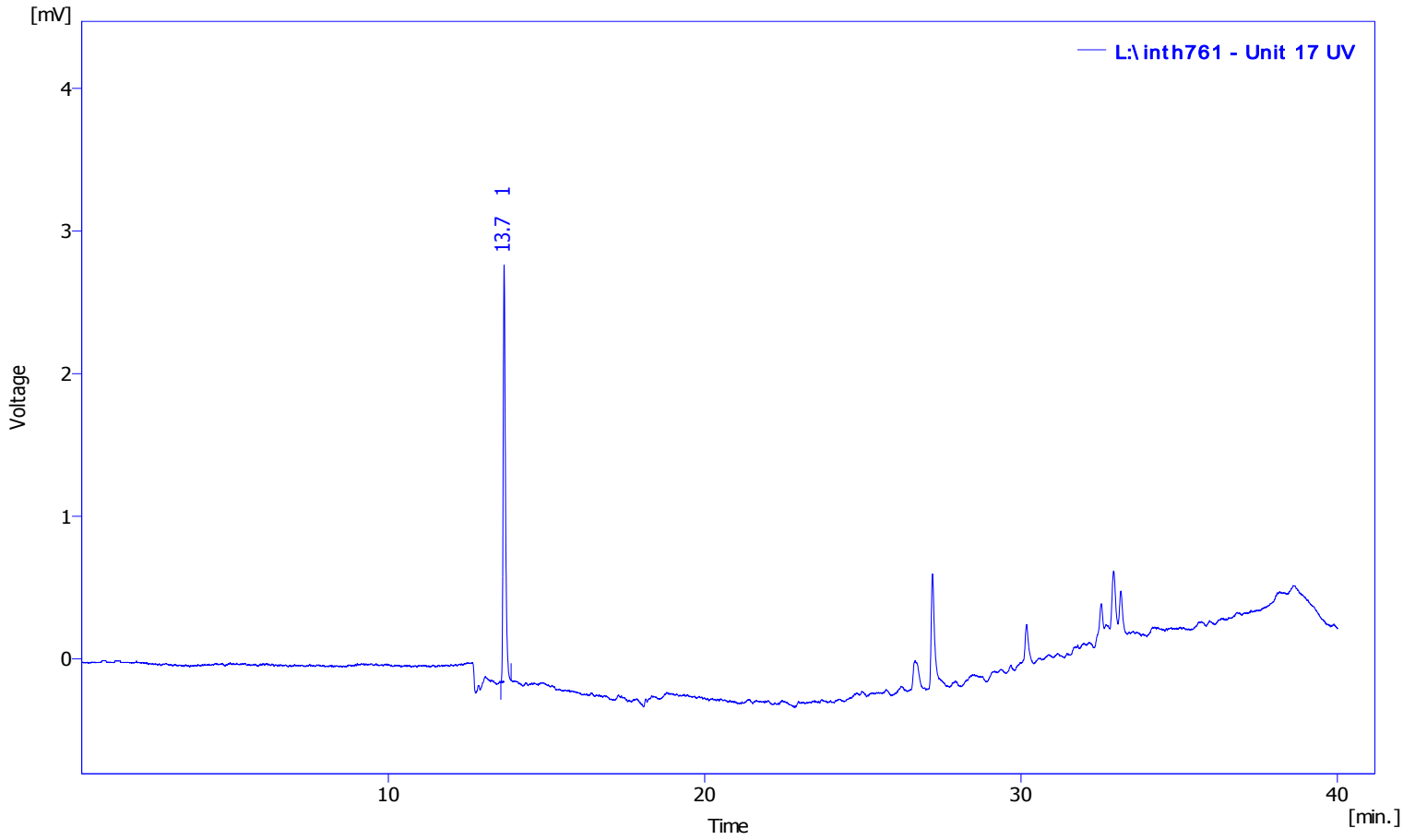
Result Table (Uncal - L:\inth761 - Unit 17 Radio)

	Compound Name	Reten. Time [min]	Area [mV.s]	Height [mV]	Area [%]	Height [%]	Efficiency [th.pl]	Eff/I [t.p./m]	Symmetry/Tailing [-]	Response Factor	Resolution [-]
1		14.01	13307.740	746.21	99.89	99.86	0.00	0.00	3.56		
2		15.02	14.449	1.03	0.11	0.14	41560.67	831213.46	3.32		3.8
		Total	13322.190	747.25	100.00	100.00					

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Chromatogram Info:

File Name	: L:\inth761	File Created	: 2/27/2014 3:52:22 PM
Origin	: Acquired, Acquisition started 4/24/2009 12:41:42 PM	Acquired Date	: 4/24/2009 1:21:40 PM
Project	: Test	By	: Administrator
Method	: Unit17_40_min_run	By	: Administrator
Description	: UV trace of 3H material alone	Modified	: 2/27/2014 4:13 PM
Created	: 8/9/2007 8:59 AM		
Column	:	Detection	: UV 262nm
Mobile Phase	:	Temperature	:
Flow Rate	:	Pressure	:
Note	:		



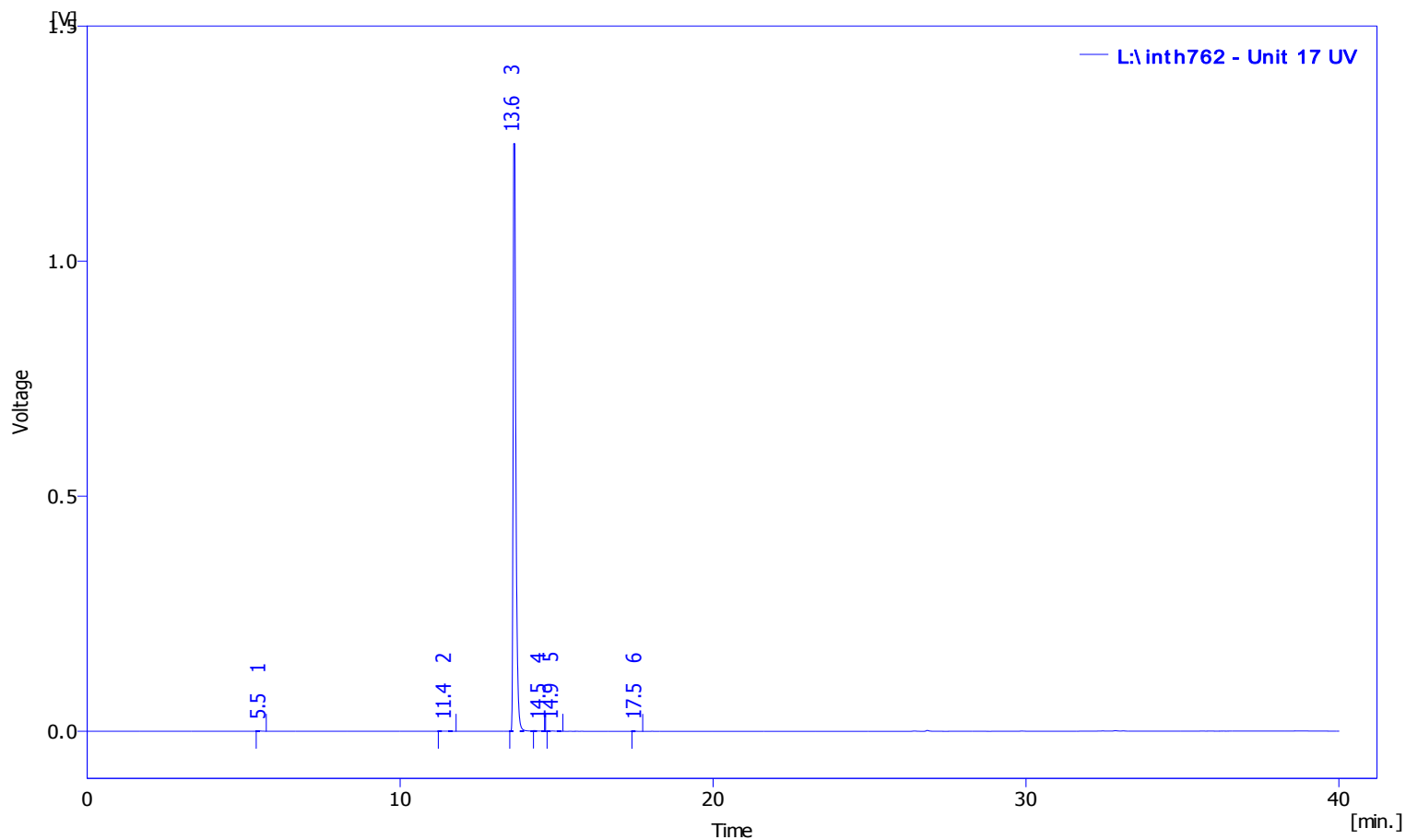
Result Table (Uncal - L:\inth761 - Unit 17 UV)

	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		13.66	14.685	2.92	100.00	100.00	123426.02	2468520.33	1.40		
		Total	14.685	2.92	100.00	100.00					

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Chromatogram Info:

File Name	: L:\inth762	File Created	: 2/27/2014 3:52:22 PM
Origin	: Acquired, Acquisition started 4/24/2009 2:07:10 PM	Acquired Date	: 4/24/2009 2:47:09 PM
Project	: Test	By	: Administrator
Method	: Unit17_40_min_run	By	: Administrator
Description	: UV trace of standard material alone	Modified	: 2/27/2014 4:14 PM
Created	: 8/9/2007 8:59 AM		
Column	:	Detection	: UV 262nm
Mobile Phase	:	Temperature	:
Flow Rate	:	Pressure	:
Note	:		



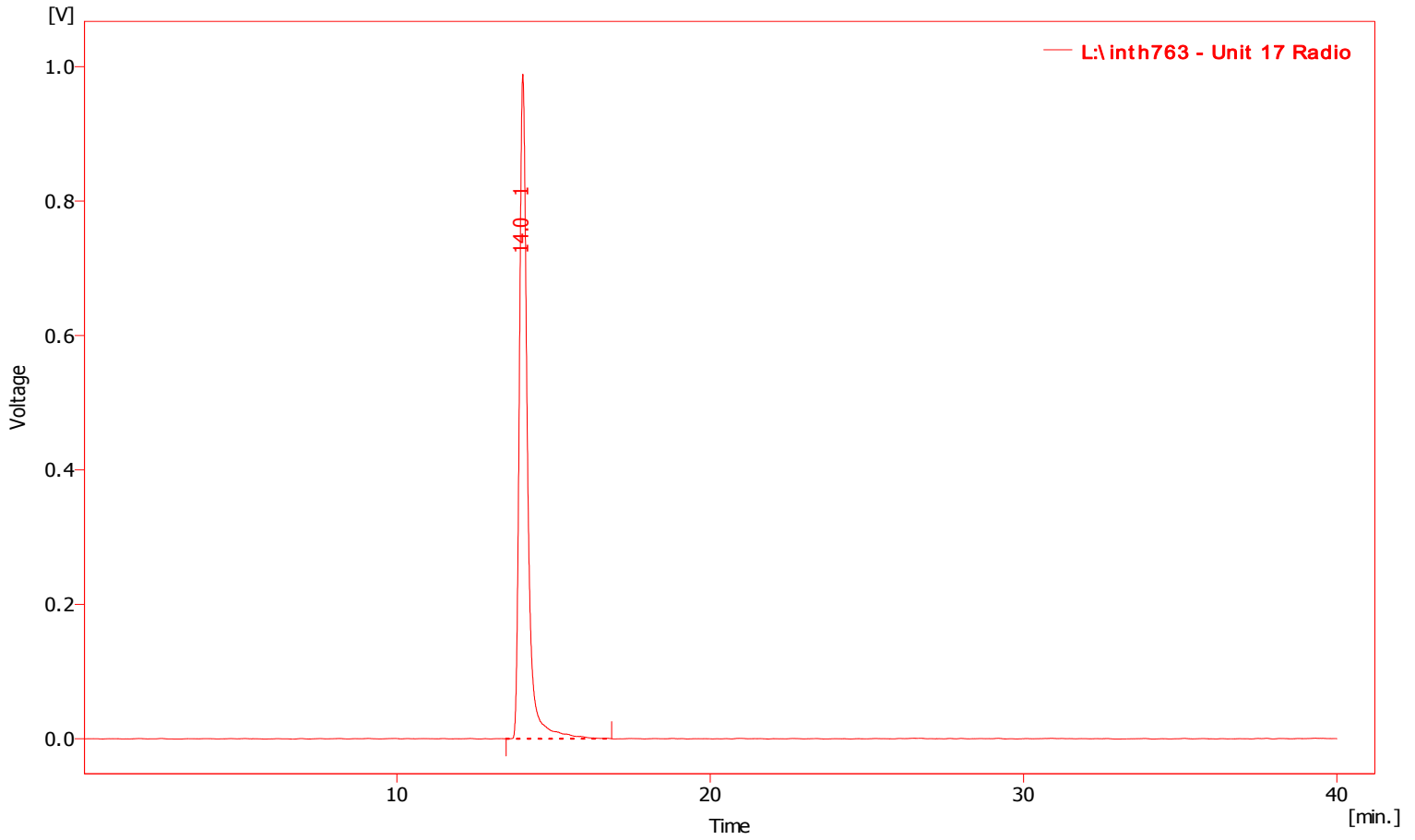
Result Table (Uncal - L:\inth762 - Unit 17 UV)

Compound Name	Reten. Time [min]	Area [mV.s]	Height [mV]	Area [%]	Height [%]	Efficiency [th.pl]	Eff/I [t.p./m]	Symmetry/Tailing [-]	Response Factor	Resolution [-]
1	5.52	3.525	0.49	0.05	0.04	11096.73	221934.54	1.41		
2	11.44	3.155	0.22	0.04	0.02	13292.50	265850.02	1.17		21.4
3	13.63	7645.327	1250.06	99.79	99.86	0.00	0.00	4.74		8.4
4	14.47	2.445	0.24	0.03	0.02	44836.04	896720.75	0.78		2.8
5	14.86	5.236	0.54	0.07	0.04	31409.22	628184.37	1.49		1.2
6	17.52	1.960	0.31	0.03	0.03	118016.90	2360337.94	1.46		14.1
Total		7661.649	1251.86	100.00	100.00					

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Chromatogram Info:

File Name	: L:\inth763	File Created	: 2/27/2014 3:52:22 PM
Origin	: Acquired, Acquisition started 4/24/2009 3:02:42 PM	Acquired Date	: 4/24/2009 3:42:40 PM
Project	: Test	By	: Administrator
Method	: Unit17_40_min_run	By	: Administrator
Description	: Radiochemical trace of 3H material co-injected with standard	Modified	: 2/27/2014 4:16 PM
Created	: 8/9/2007 8:59 AM		
Column	:	Detection	: Radiochemical
Mobile Phase	:	Temperature	:
Flow Rate	:	Pressure	:
Note	:		



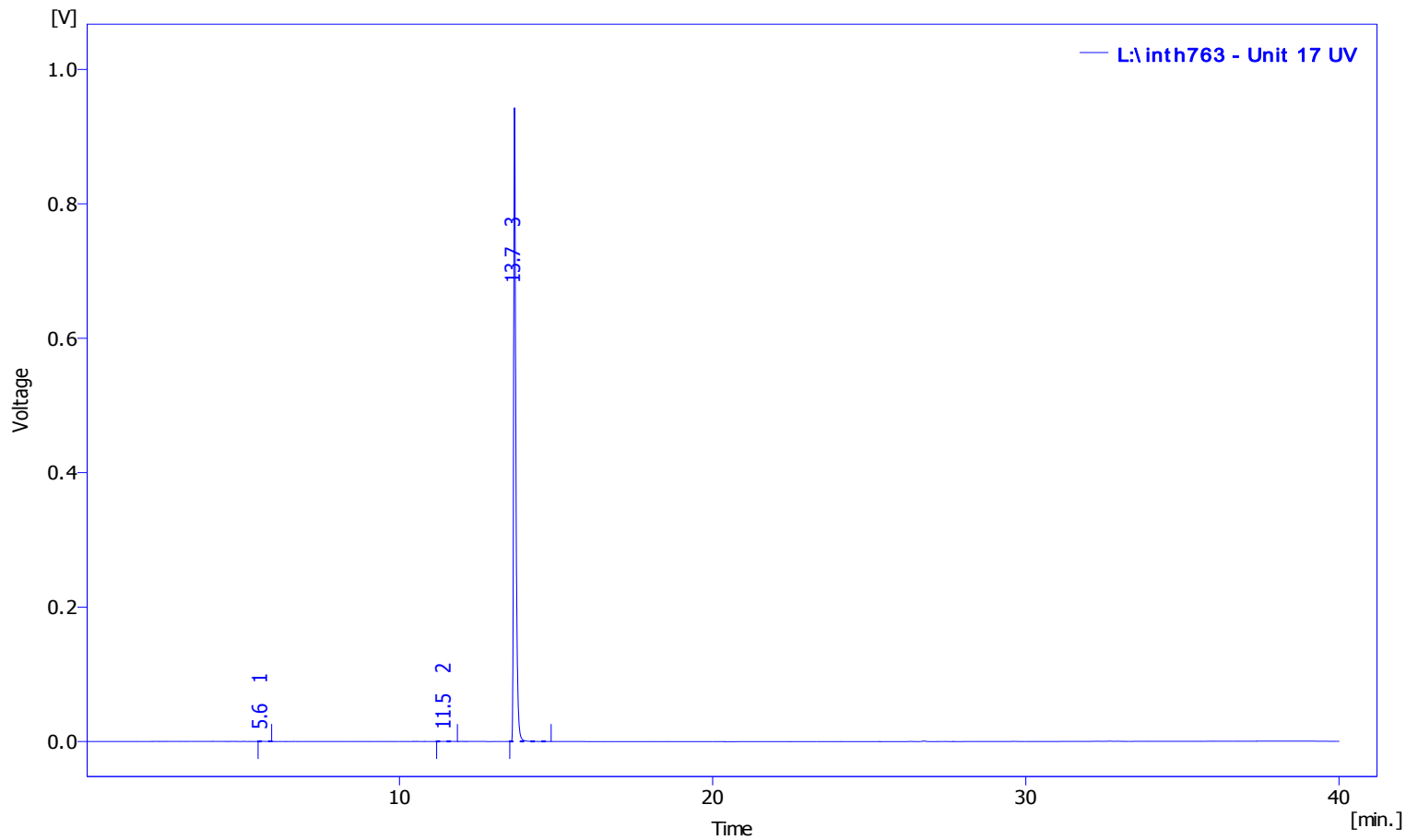
Result Table (Uncal - L:\inth763 - Unit 17 Radio)

	Compound Name	Reten. Time [min]	Area [mV.s]	Height [mV]	Area [%]	Height [%]	Efficiency [th.pl]	Eff/I [t.p./m]	Symmetry/Tailing [-]	Response Factor	Resolution [-]
1		14.02	17674.385	988.87	100.00	100.00	2552.68	51053.56	1.39		
		Total	17674.385	988.87	100.00	100.00					

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Chromatogram Info:

File Name	: L:\inth763	File Created	: 2/27/2014 3:52:22 PM
Origin	: Acquired, Acquisition started 4/24/2009 3:02:42 PM	Acquired Date	: 4/24/2009 3:42:40 PM
Project	: Test	By	: Administrator
Method	: Unit17_40_min_run	By	: Administrator
Description	: UV trace of 3H material co-injected with standard	Modified	: 2/27/2014 4:17 PM
Created	: 8/9/2007 8:59 AM		
Column	:	Detection	: UV 262nm
Mobile Phase	:	Temperature	:
Flow Rate	:	Pressure	:
Note	:		



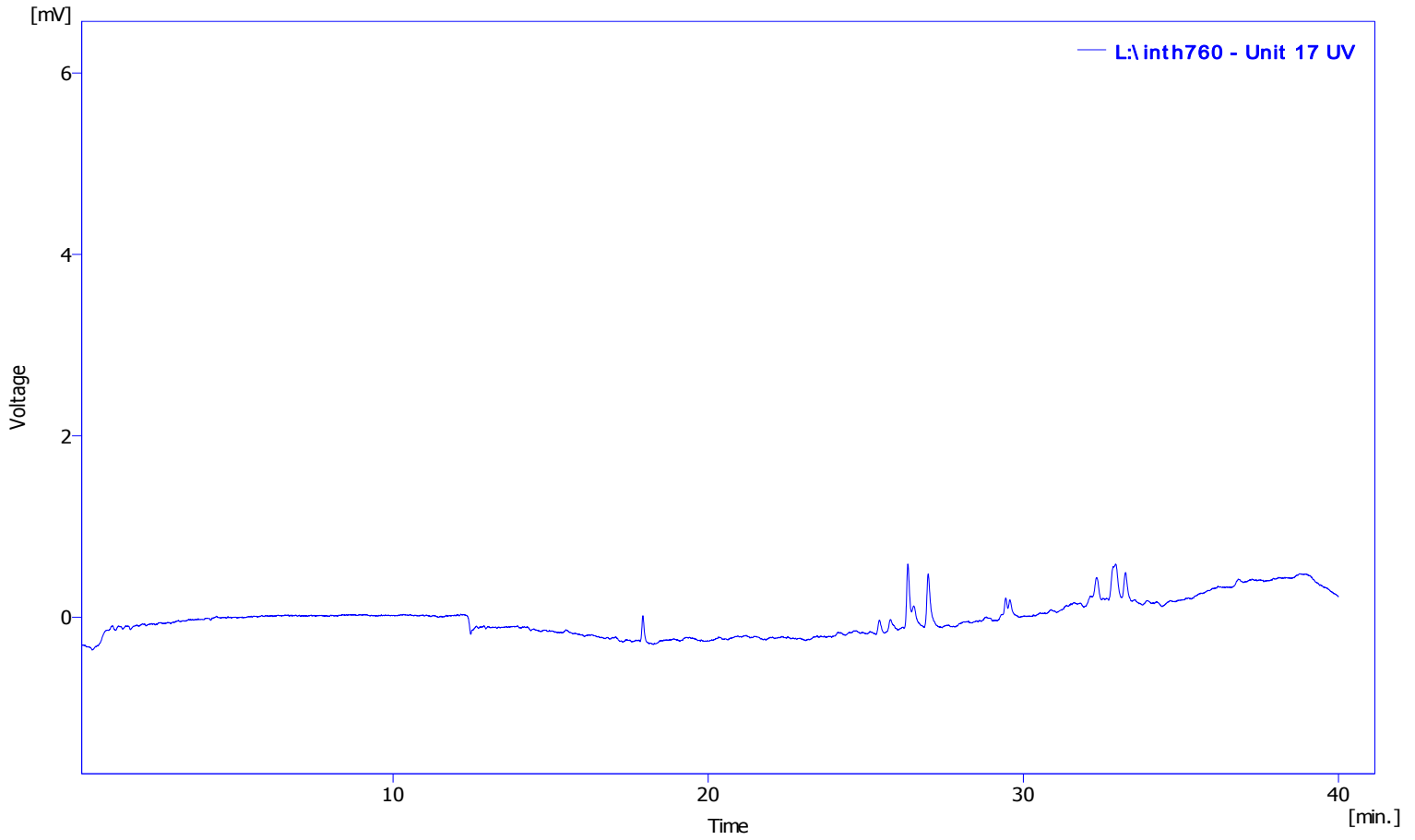
Result Table (Uncal - L:\inth763 - Unit 17 UV)

	Compound Name	Reten. Time [min]	Area [mV.s]	Height [mV]	Area [%]	Height [%]	Efficiency [th.pl]	Eff/I [t.p./m]	Symmetry/Tailing [-]	Response Factor	Resolution [-]
1		5.60	2.266	0.27	0.05	0.03	6121.47	122429.32	1.87		
2		11.45	2.018	0.13	0.04	0.01	9494.40	189888.07	1.49		19.9
3		13.67	4746.302	942.93	99.91	99.96	78038.07	1560761.38	1.50		8.6
		Total	4750.587	943.33	100.00	100.00					

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Chromatogram Info:

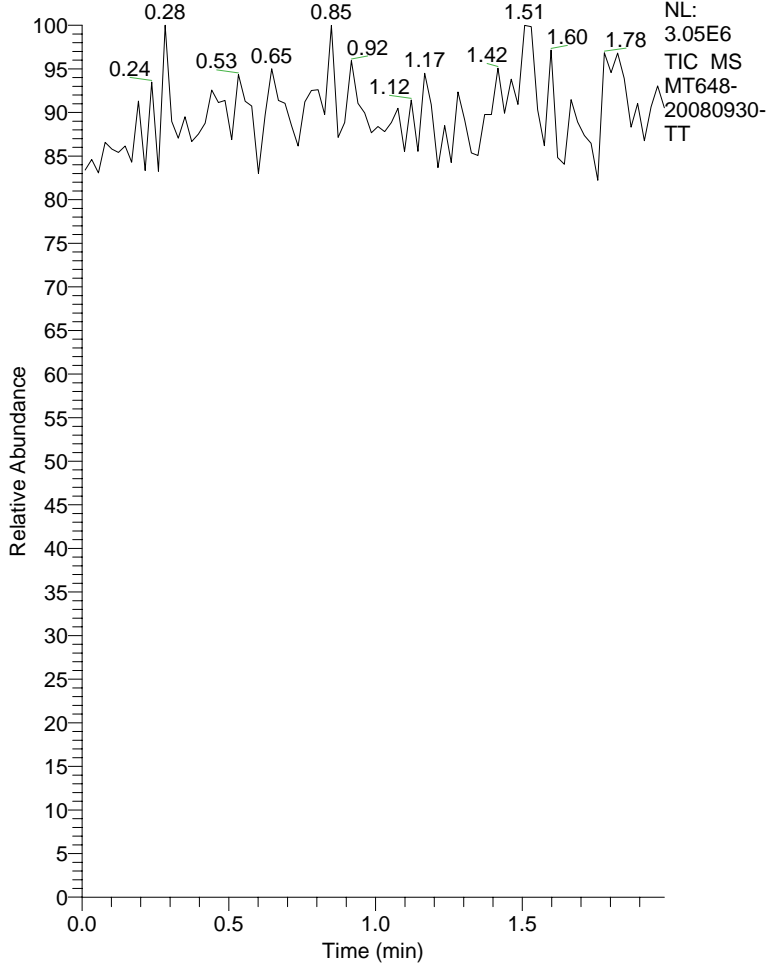
File Name	: L:\inth760	File Created	: 2/27/2014 3:52:22 PM
Origin	: Acquired, Acquisition started 4/24/2009 10:45:57 AM	Acquired Date	: 4/24/2009 11:25:55 AM
Project	: Test	By	: Administrator
Method	: Unit17_40_min_run	By	: Administrator
Description	: UV trace of blank injection	Modified	: 2/27/2014 4:18 PM
Created	: 8/9/2007 8:59 AM		
Column	:	Detection	: UV 262nm
Mobile Phase	:	Temperature	:
Flow Rate	:	Pressure	:
Note	:		



Result Table (Uncal - L:\inth760 - Unit 17 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										

RT: 0.00 - 1.98



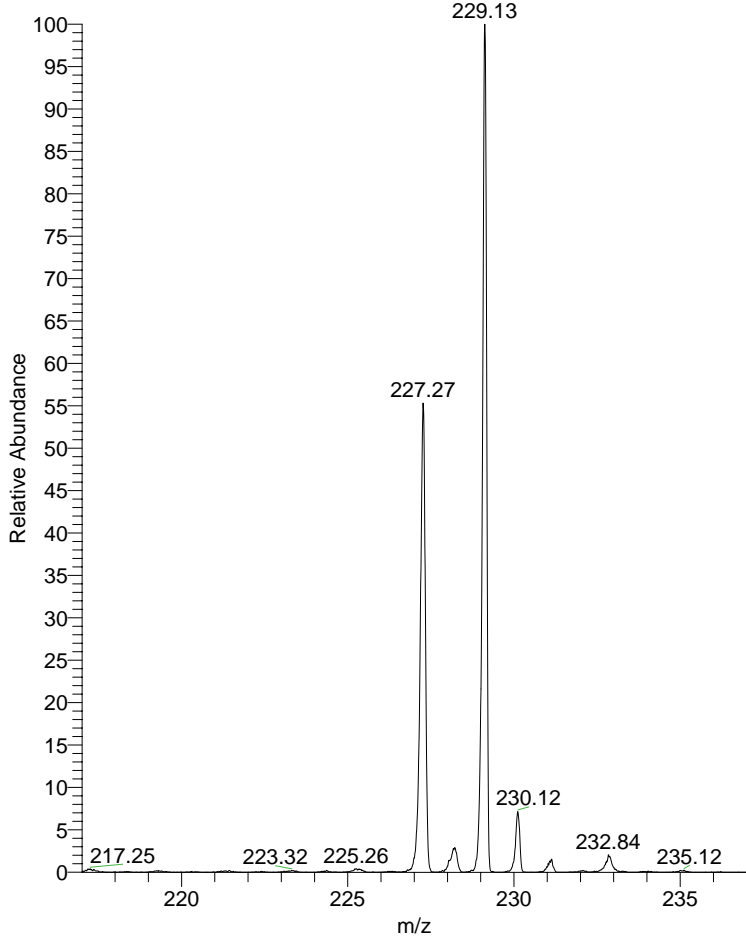
MT648-20080930-TT#1-88 RT: 0.01-1.98 AV:

T: - p NSI Z ms [217.00-237.00]

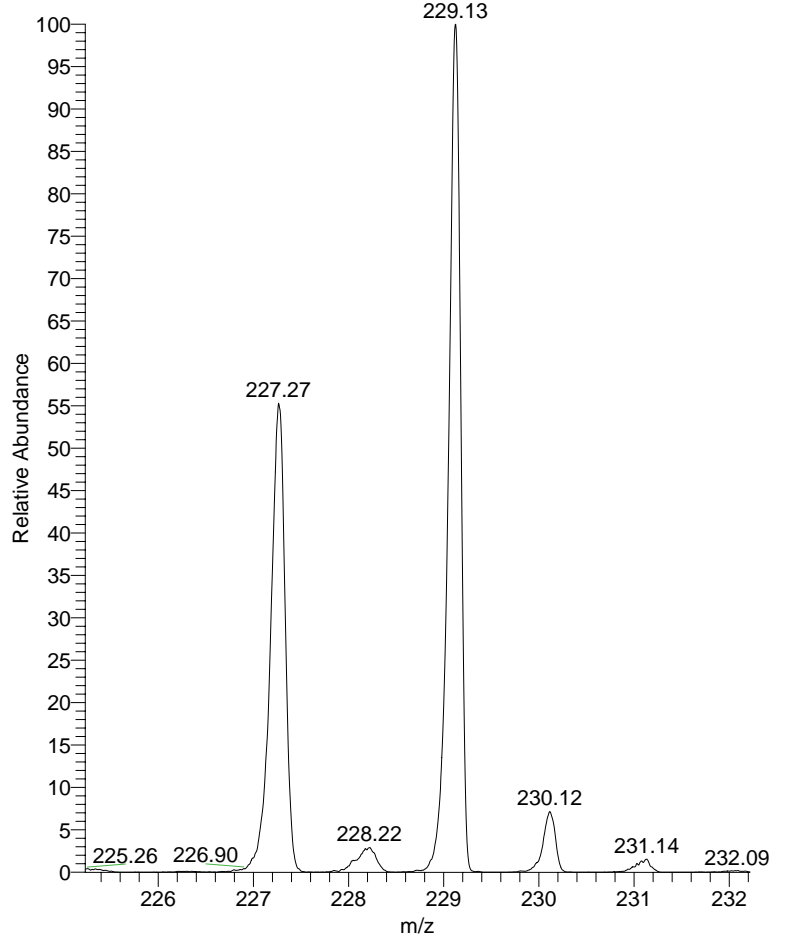
m/z = 226.45-229.84

m/z	Intensity	Relative
226.52	224.7	0.02
226.57	184.2	0.01
227.25	965320.3	67.20
227.56	1058.9	0.07
227.82	1238.2	0.09
228.17	68652.5	4.78
229.11	1436433.5	100.00
229.37	892.6	0.06

MT648-20080930-TT #1-88 RT: 0.01-1.98 AV: 88 NL: 4.85E4
T: - p NSI Z ms [217.00-237.00]



MT648-20080930-TT #1-88 RT: 0.01-1.98 AV: 88 NL: 4.85E4
T: - p NSI Z ms [217.00-237.00]



MT648 3H NMR in D2O
Batch 20080930-TT



5.873
5.854
5.811
5.785
5.748
5.719

```
Current Data Parameters
NAME      MT648-20080930-TT
EXPNO     1
PROCNO    1

F2 - Acquisition Parameters
Date_     20090511
Time      20.52
INSTRUM   spect
PROBHD    5 mm DUX 3H-1H
PULPROG   zgdc
TD         16384
SOLVENT   D2O
NS         5000
DS         2
SWH        6172.839 Hz
FIDRES     0.376760 Hz
AQ         1.3271540 sec
RG         46341
DW         81.000 usec
DE         6.00 usec
TE         300.0 K
D1         2.00000000 sec
d11        0.03000000 sec
TD0        1

===== CHANNEL f1 =====
NUC1       3H
P1         10.00 usec
PL1        2.00 dB
SFO1       320.1321857 MHz

===== CHANNEL f2 =====
CPDPRG2    waltz16
NUC2       1H
PCPD2      85.00 usec
PL12       18.59 dB
PL2        0.00 dB
SFO2       300.1318534 MHz

F2 - Processing parameters
SI          32768
SF          320.1305850 MHz
WDW         no
SSB         0
LB          0.00 Hz
GB          0
PC          1.00
```

