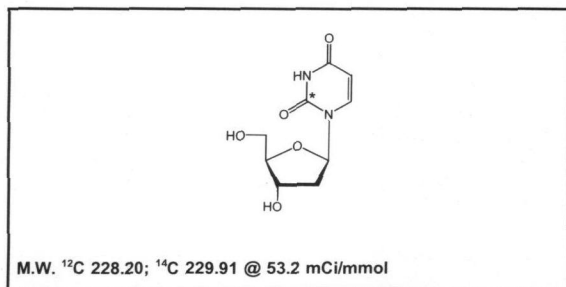




Product Data Sheet

MC-119

2'-Deoxyuridine, [2-¹⁴C]-



Lot #: 194-042-0532-A-20100204-NT

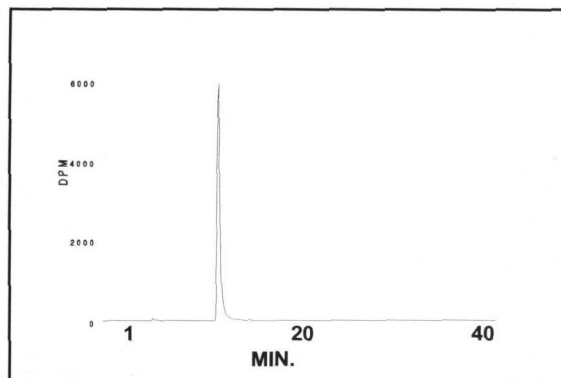
Specific Activity: 53.2 mCi/mmol

Concentration: 0.1 mCi/ml; 432.15 µg/ml

Packaged in: Sterile water solution

Date of Analysis: March 02, 2010

Radiochemical Purity: 99.2%



HPLC ANALYSIS LOT 194-042-0532-A-20100204-NT
File Name: intj1462 Date and Time: 3/2/2010 4:25:36 PM
Unit 19 Radio

Peak #	Area %	Time	Area
1	0.44	5.19000	56.65034
2	99.21	11.82330	12804.49341
3	0.35	13.84000	45.24390
Totals	100.00		12906.38765

Stability and Storage Recommendation: The rate of decomposition is approximately 1%/month for the first six months after purification when stored 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.

MC-119

2'-Deoxyuridine, [2-¹⁴C]-

Lot 194-042-0532-A-20100204-NT

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

Concentrations and volumes:

Standard solution concentration was 1.0 mg/ml.

2'-Deoxyuridine, [2-¹⁴C]- concentration was 50.0 µCi/ml.

Volume of standard alone injection was 1.5 µl.

Volume of **2'-Deoxyuridine, [2-¹⁴C]-** alone injection was 1.5 µl.

Co-injection solution consisted of 1.5 µl **2'-Deoxyuridine, [2-¹⁴C]-** + 1.5 µl standard.

Volume of co-injection was 3.0 µl.

Volume of blank injection was 1.5 µl.

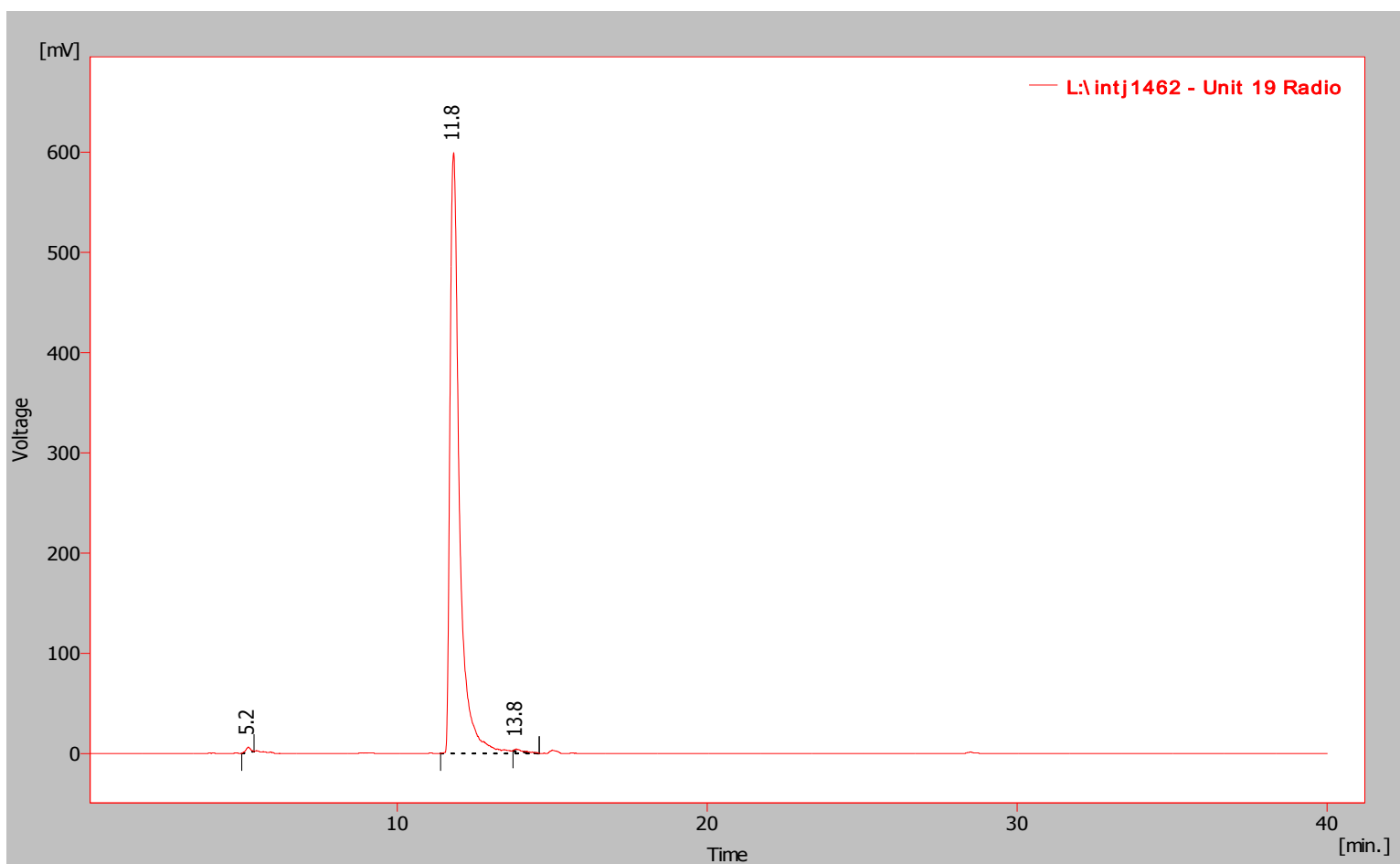
B) Mass spectrometry – Positive mode

C) NMR

MC-119
2'-Deoxyuridine, [2-14C]-
Lot 194-042-0532-A-20100204-NT

Chromatogram Info:

File Name	: L:\intj1462	File Created	: 10/14/2013 4:27:36 PM
Origin	: Acquired, Acquisition started 3/2/2010 3:45:38 PM	Acquired Date	: 3/2/2010 4:25:36 PM
Project	: Test	By	: Administrator
Method	: Unit19_40_min_run	By	: Administrator
Description	: Radiochemical trace of 14C material alone	Modified	: 10/15/2013 8:53 AM
Created	: 8/9/2007 1:12 PM		
Column	:	Detection	: Radiochemical
Mobile Phase	:	Temperature	:
Flow Rate	:	Pressure	:
Note	:		



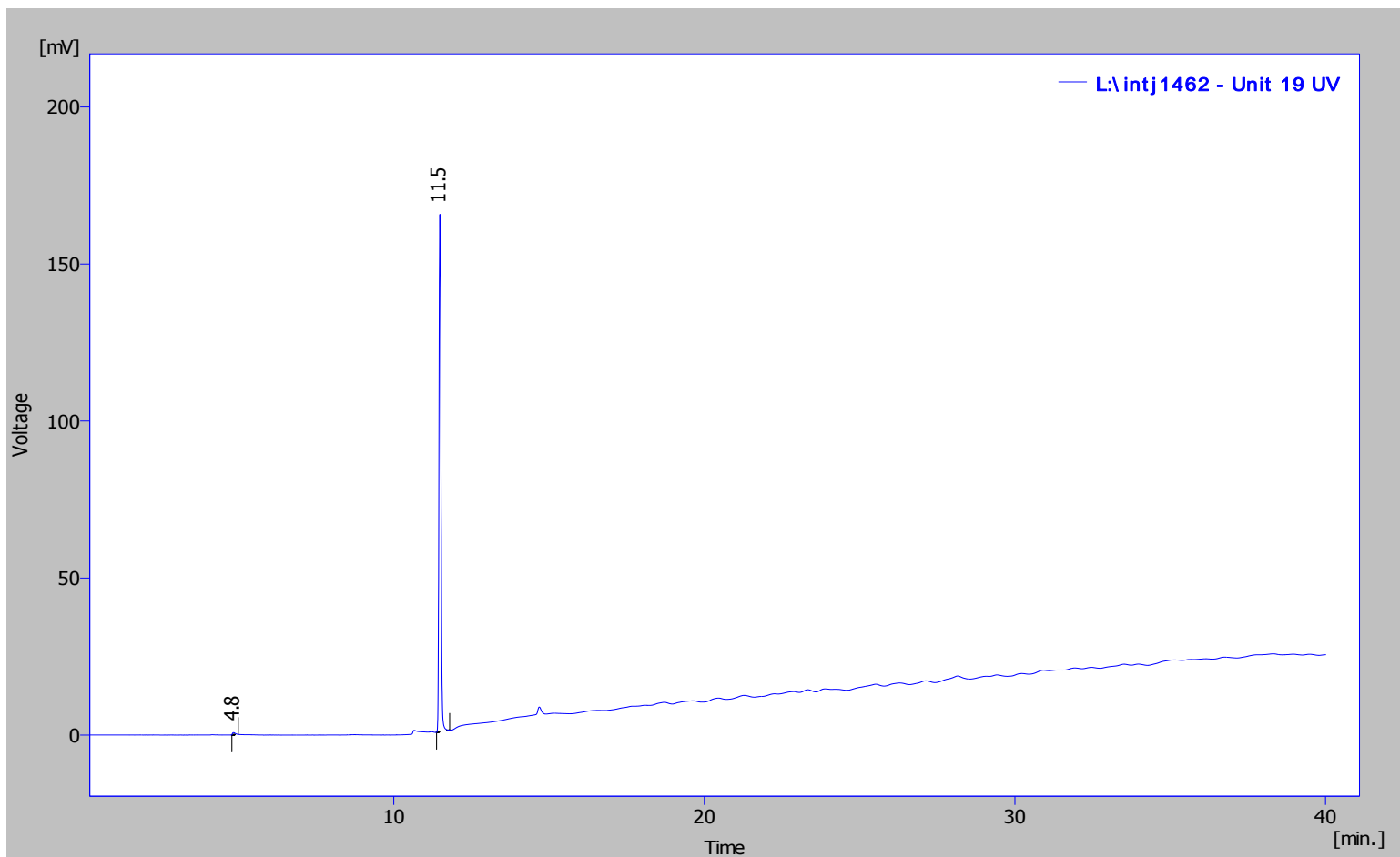
Result Table (Uncal - L:\intj1462 - Unit 19 Radio)

	Compound Name	Reten. Time [min]	Area [%]	Area [mV.s]	Height [mV]	Height [%]	Efficiency [th.pl]
1		5.19	0.44	56.65	5.47	0.90	4762.53
2		11.82	99.21	12804.49	599.47	98.72	0.00
3		13.84	0.35	45.24	2.30	0.38	3555.89
	Total		100.00	12906.39	607.23	100.00	

MC-119
2'-Deoxyuridine, [2-14C]-
Lot 194-042-0532-A-20100204-NT

Chromatogram Info:

File Name	: L:\intj1462	File Created	: 10/14/2013 4:27:36 PM
Origin	: Acquired, Acquisition started 3/2/2010 3:45:38 PM	Acquired Date	: 3/2/2010 4:25:36 PM
Project	: Test	By	: Administrator
Method	: Unit19_40_min_run	By	: Administrator
Description	: UV trace of 14C material alone	Modified	: 10/15/2013 8:56 AM
Created	: 8/9/2007 1:12 PM		
Column	:	Detection	: UV 260nm
Mobile Phase	:	Temperature	:
Flow Rate	:	Pressure	:
Note	:		



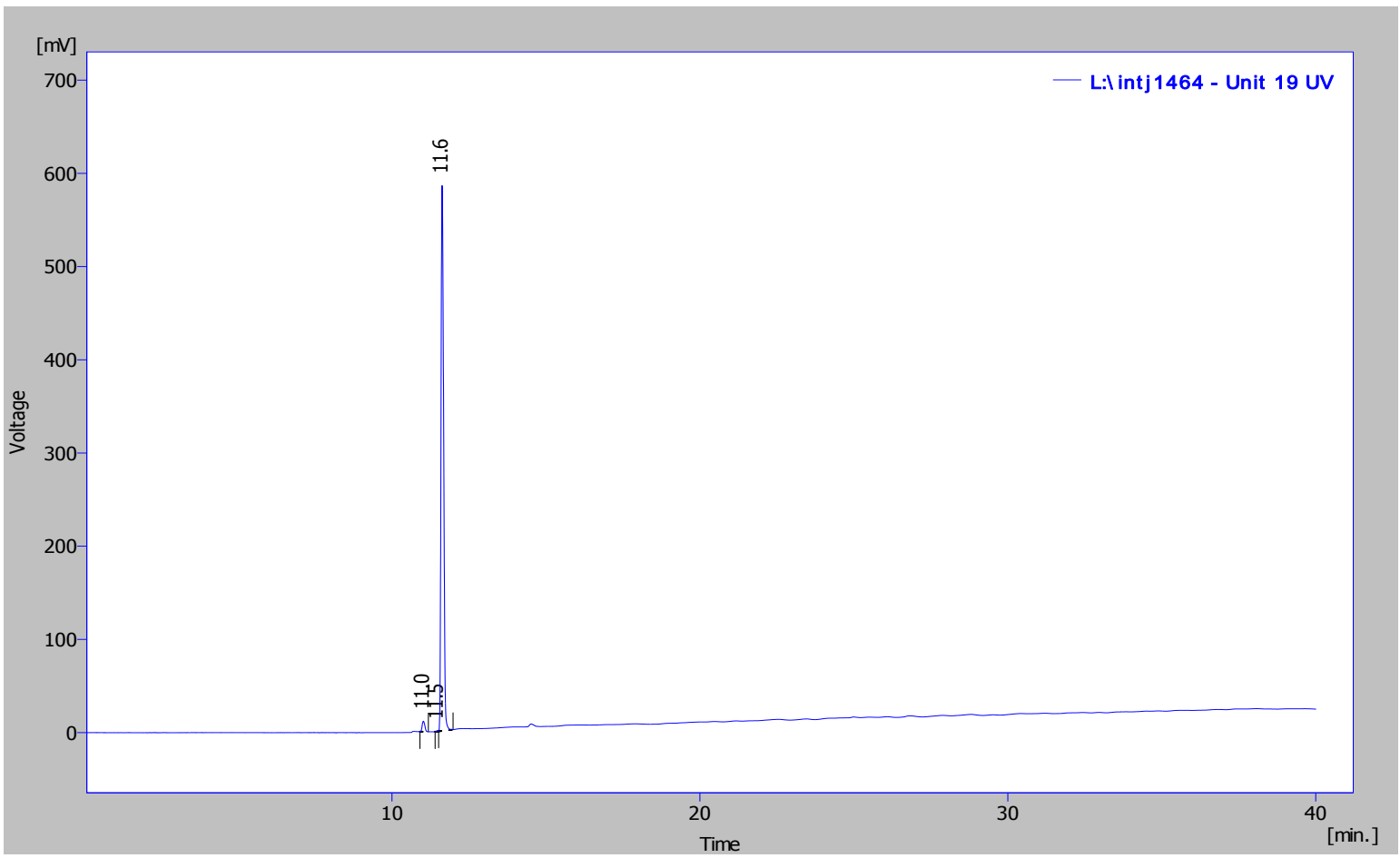
Result Table (Uncal - L:\intj1462 - Unit 19 UV)

	Compound Name	Reten. Time [min]	Area [%]	Area [mV.s]	Height [mV]	Height [%]	Efficiency [th.pl]
1		4.84	0.58	4.32	0.70	0.42	13919.00
2		11.49	99.42	743.92	164.79	99.58	115945.02
		Total	100.00	748.25	165.49	100.00	

MC-119
2'-Deoxyuridine, [2-14C]-
Lot 194-042-0532-A-20100204-NT

Chromatogram Info:

File Name	: L:\intj1464	File Created	: 10/14/2013 4:27:36 PM
Origin	: Acquired, Acquisition started 3/3/2010 10:50:40 AM	Acquired Date	: 3/3/2010 11:30:38 AM
Project	: Test	By	: Administrator
Method	: Unit19_40_min_run	By	: Administrator
Description	: UV trace of standard material alone	Modified	: 10/15/2013 8:58 AM
Created	: 8/9/2007 1:12 PM		
Column	:	Detection	: UV 260nm
Mobile Phase	:	Temperature	:
Flow Rate	:	Pressure	:
Note	:		



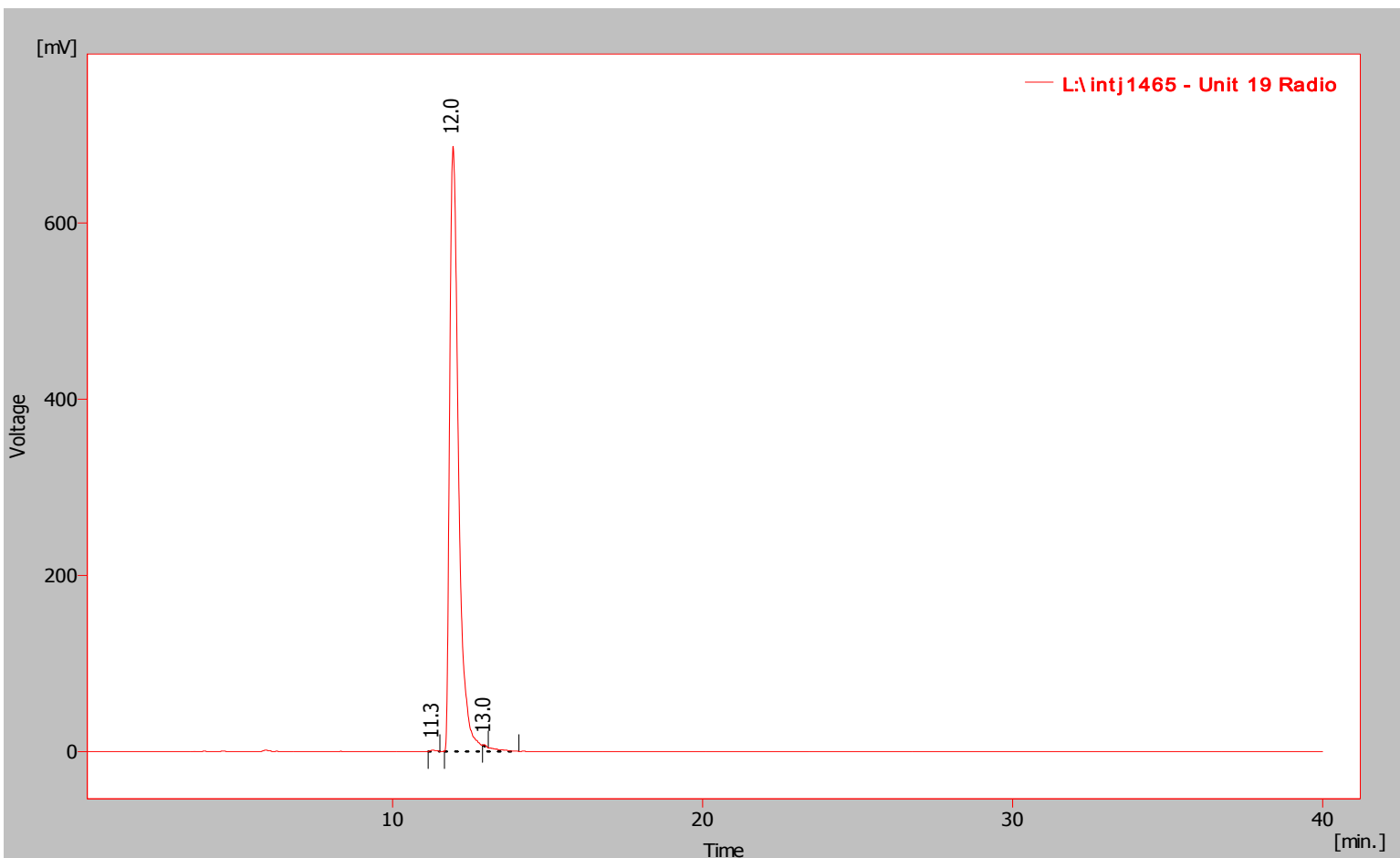
Result Table (Uncal - L:\intj1464 - Unit 19 UV)

	Compound Name	Reten. Time [min]	Area [%]	Area [mV.s]	Height [mV]	Height [%]	Efficiency [th.pl]
1		11.02	1.91	67.45	11.28	1.89	86949.01
2		11.47	0.06	1.95	0.48	0.08	246617.07
3		11.63	98.03	3458.04	585.03	98.03	81558.66
	Total		100.00	3527.44	596.79	100.00	

MC-119
2'-Deoxyuridine, [2-14C]-
Lot 194-042-0532-A-20100204-NT

Chromatogram Info:

File Name	: L:\intj1465	File Created	: 10/14/2013 4:27:36 PM
Origin	: Acquired, Acquisition started 3/3/2010 12:00:07 PM	Acquired Date	: 3/3/2010 12:40:06 PM
Project	: Test	By	: Administrator
Method	: Unit19_40_min_run	By	: Administrator
Description	: Radiochemical trace of 14C material co-injected with standard	Modified	: 10/15/2013 8:59 AM
Created	: 8/9/2007 1:12 PM		
Column	:	Detection	: Radiochemical
Mobile Phase	:	Temperature	:
Flow Rate	:	Pressure	:
Note	:		



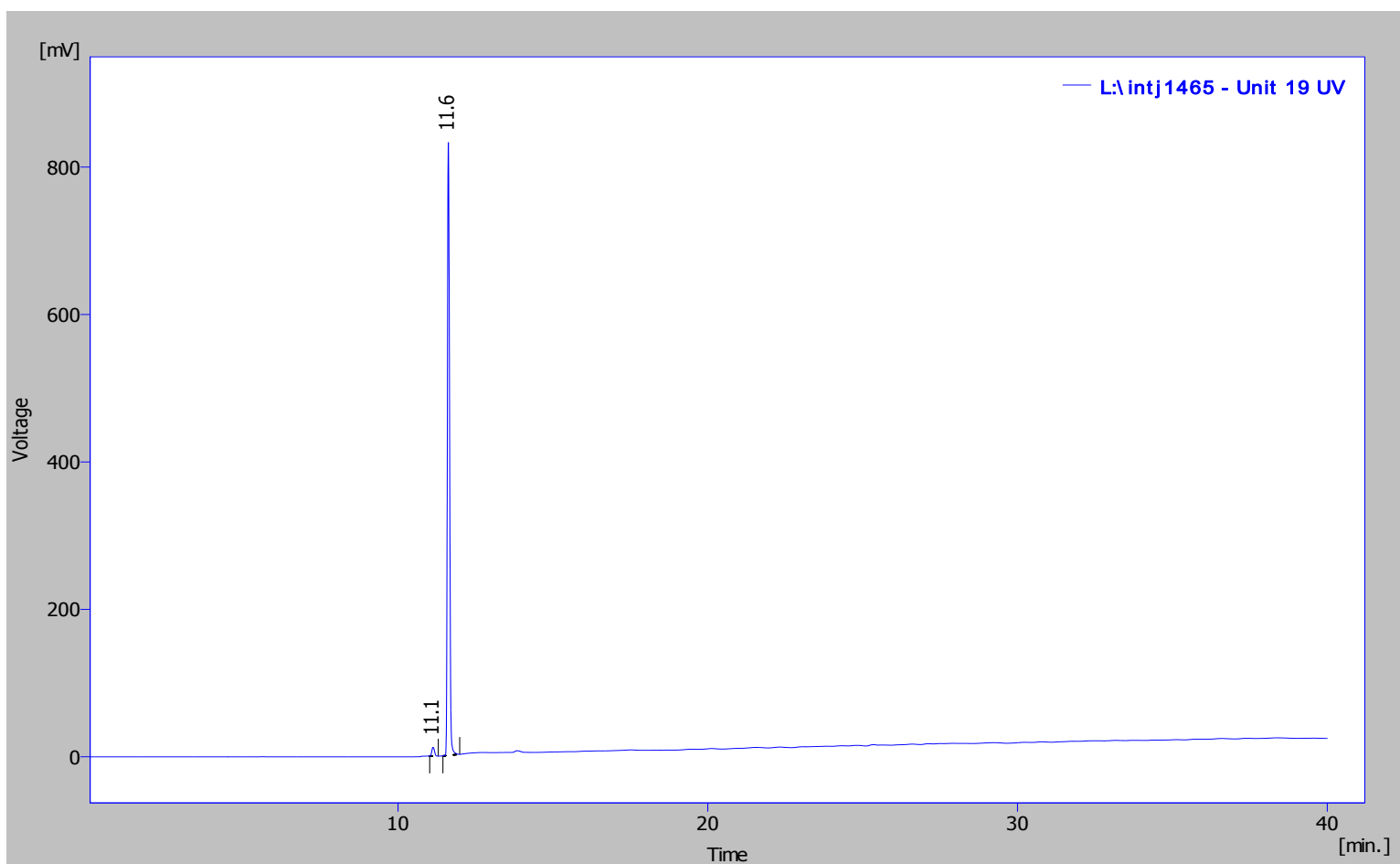
Result Table (Uncal - L:\intj1465 - Unit 19 Radio)

	Compound Name	Reten. Time [min]	Area [%]	Area [mV.s]	Height [mV]	Height [%]	Efficiency [th.pl]
1		11.30	0.16	22.66	1.59	0.23	17113.18
2		11.95	99.75	13898.42	686.96	99.48	0.00
3		12.97	0.09	12.79	1.99	0.29	112377.56
	Total		100.00	13933.86	690.54	100.00	

MC-119
2'-Deoxyuridine, [2-14C]-
Lot 194-042-0532-A-20100204-NT

Chromatogram Info:

File Name	: L:\intj1465	File Created	: 10/14/2013 4:27:36 PM
Origin	: Acquired, Acquisition started 3/3/2010 12:00:07 PM	Acquired Date	: 3/3/2010 12:40:06 PM
Project	: Test	By	: Administrator
Method	: Unit19_40_min_run	By	: Administrator
Description	: UV trace of 14C material co-injected with standard	Modified	: 10/15/2013 9:00 AM
Created	: 8/9/2007 1:12 PM		
Column	:	Detection	: UV 260nm
Mobile Phase	:	Temperature	:
Flow Rate	:	Pressure	:
Note	:		



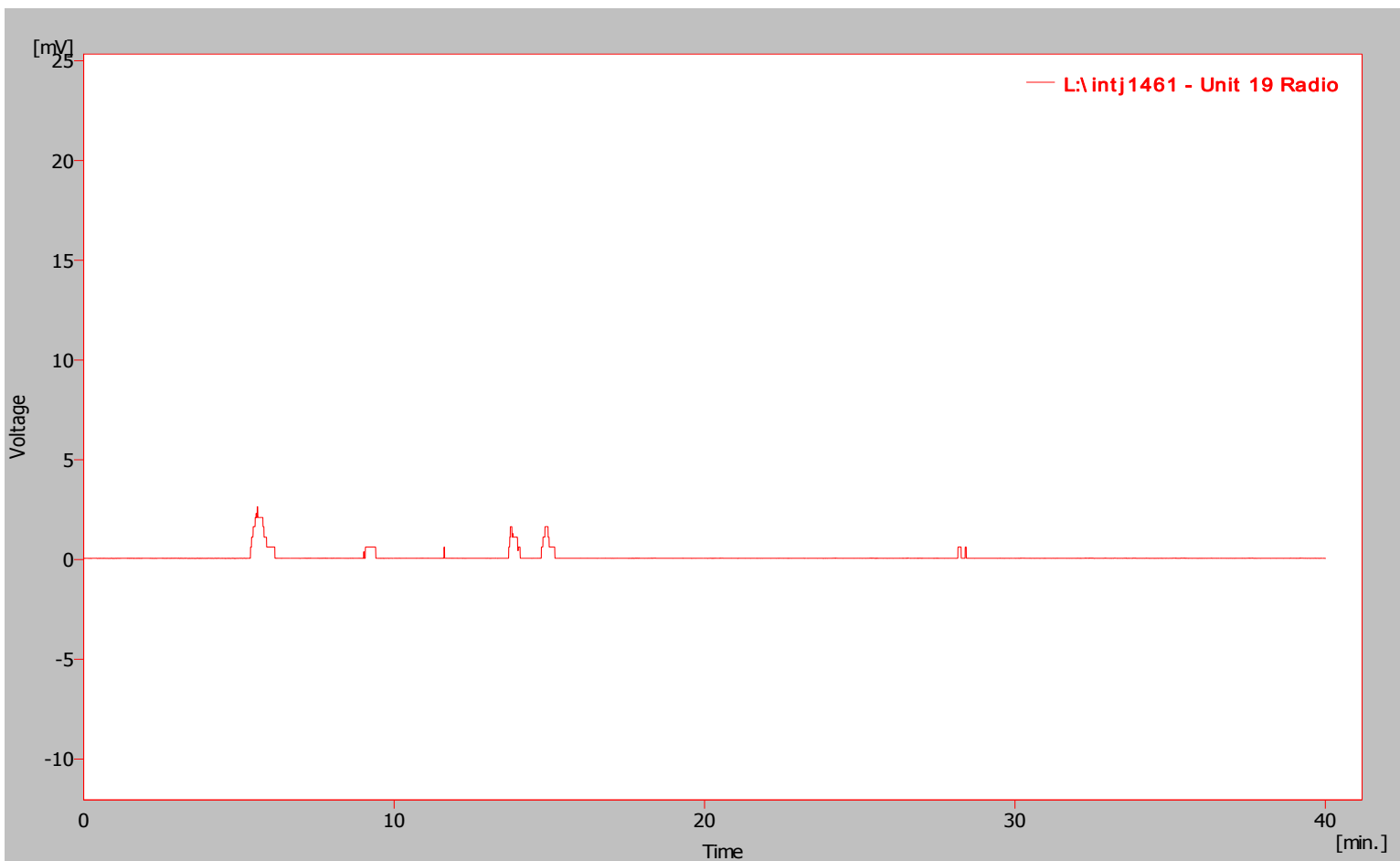
Result Table (Uncal - L:\intj1465 - Unit 19 UV)

	Compound Name	Reten. Time [min]	Area [%]	Area [mV.s]	Height [mV]	Height [%]	Efficiency [th.pl]
1		11.13	1.66	69.22	11.85	1.41	92403.91
2		11.62	98.34	4095.81	831.51	98.59	101433.00
		Total	100.00	4165.04	843.36	100.00	

MC-119
2'-Deoxyuridine, [2-14C]-
Lot 194-042-0532-A-20100204-NT

Chromatogram Info:

File Name	: L:\intj1461	File Created	: 10/14/2013 4:27:36 PM
Origin	: Acquired, Acquisition started 3/2/2010 2:38:51 PM	Acquired Date	: 3/2/2010 3:18:49 PM
Project	: Test	By	: Administrator
Method	: Unit19_40_min_run	By	: Administrator
Description	: Radiochemical trace of blank injection	Modified	: 10/15/2013 9:02 AM
Created	: 8/9/2007 1:12 PM	Detection	: Radiochemical
Column	:	Temperature	:
Mobile Phase	:	Pressure	:
Flow Rate	:	Note	:



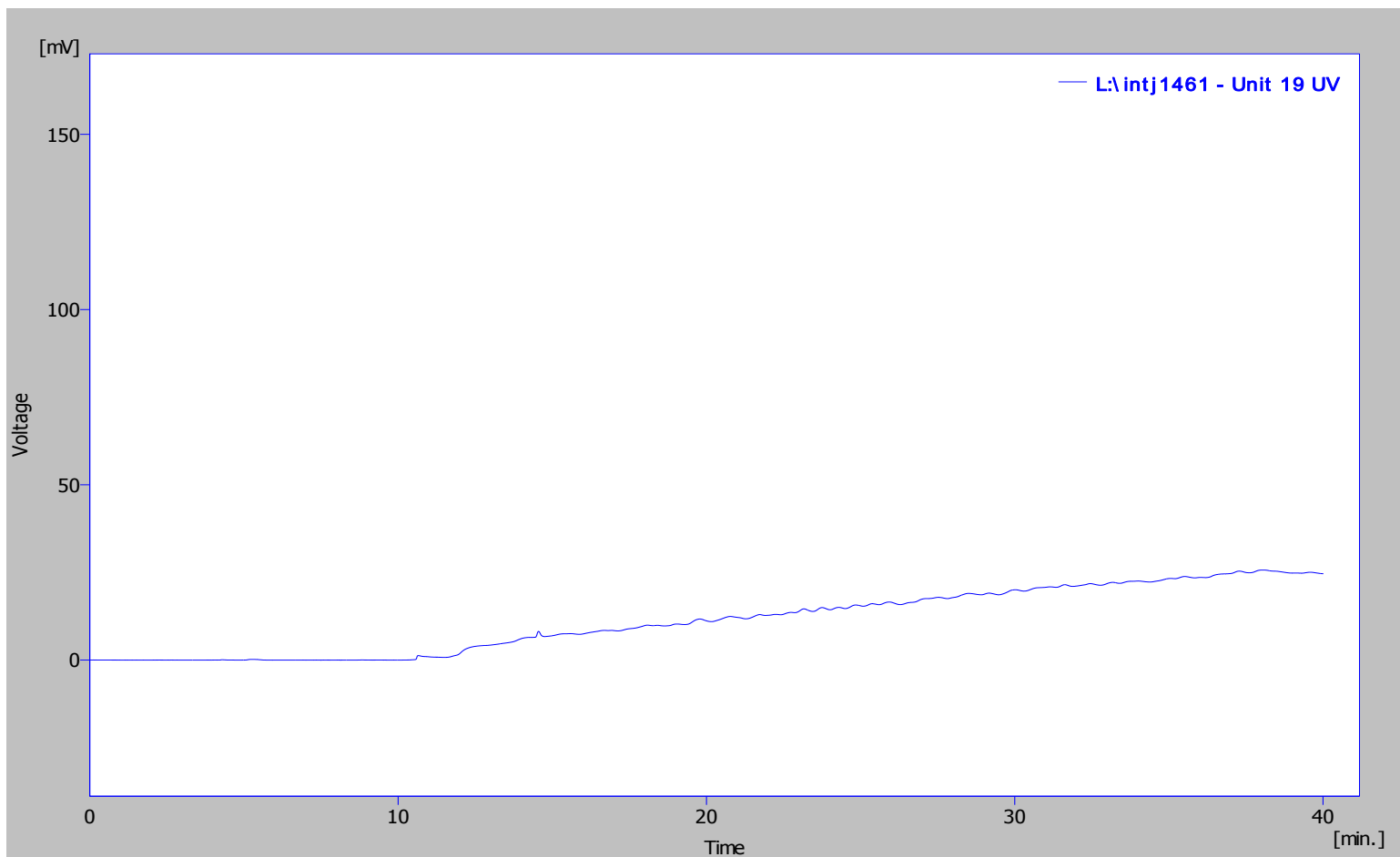
Result Table (Uncal - L:\intj1461 - Unit 19 Radio)

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

MC-119
2'-Deoxyuridine, [2-14C]-
Lot 194-042-0532-A-20100204-NT

Chromatogram Info:

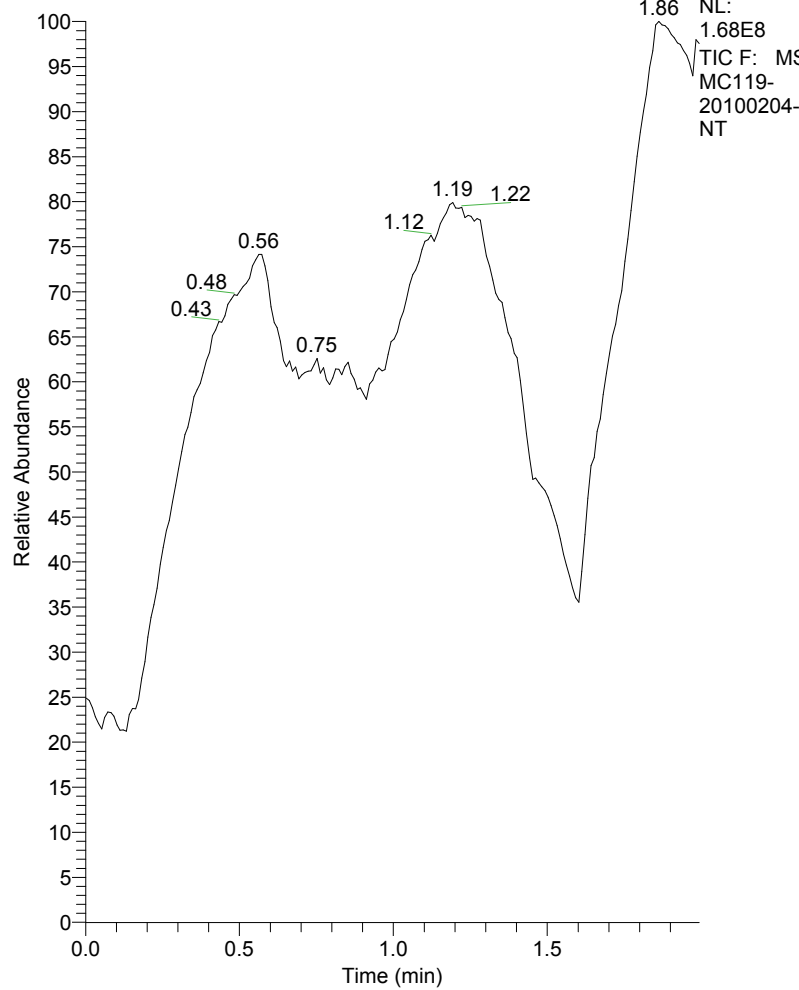
File Name	: L:\intj1461	File Created	: 10/14/2013 4:27:36 PM
Origin	: Acquired, Acquisition started 3/2/2010 2:38:51 PM	Acquired Date	: 3/2/2010 3:18:49 PM
Project	: Test	By	: Administrator
Method	: Unit19_40_min_run	By	: Administrator
Description	: UV trace of blank injection	Modified	: 10/15/2013 9:01 AM
Created	: 8/9/2007 1:12 PM		
Column	:	Detection	: UV 260nm
Mobile Phase	:	Temperature	:
Flow Rate	:	Pressure	:
Note	:		



Result Table (Uncal - L:\intj1461 - Unit 19 UV)

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

RT: 0.00 - 1.99



MC119-20100204-NT#1-200 RT: 0.00-1.99 AV:

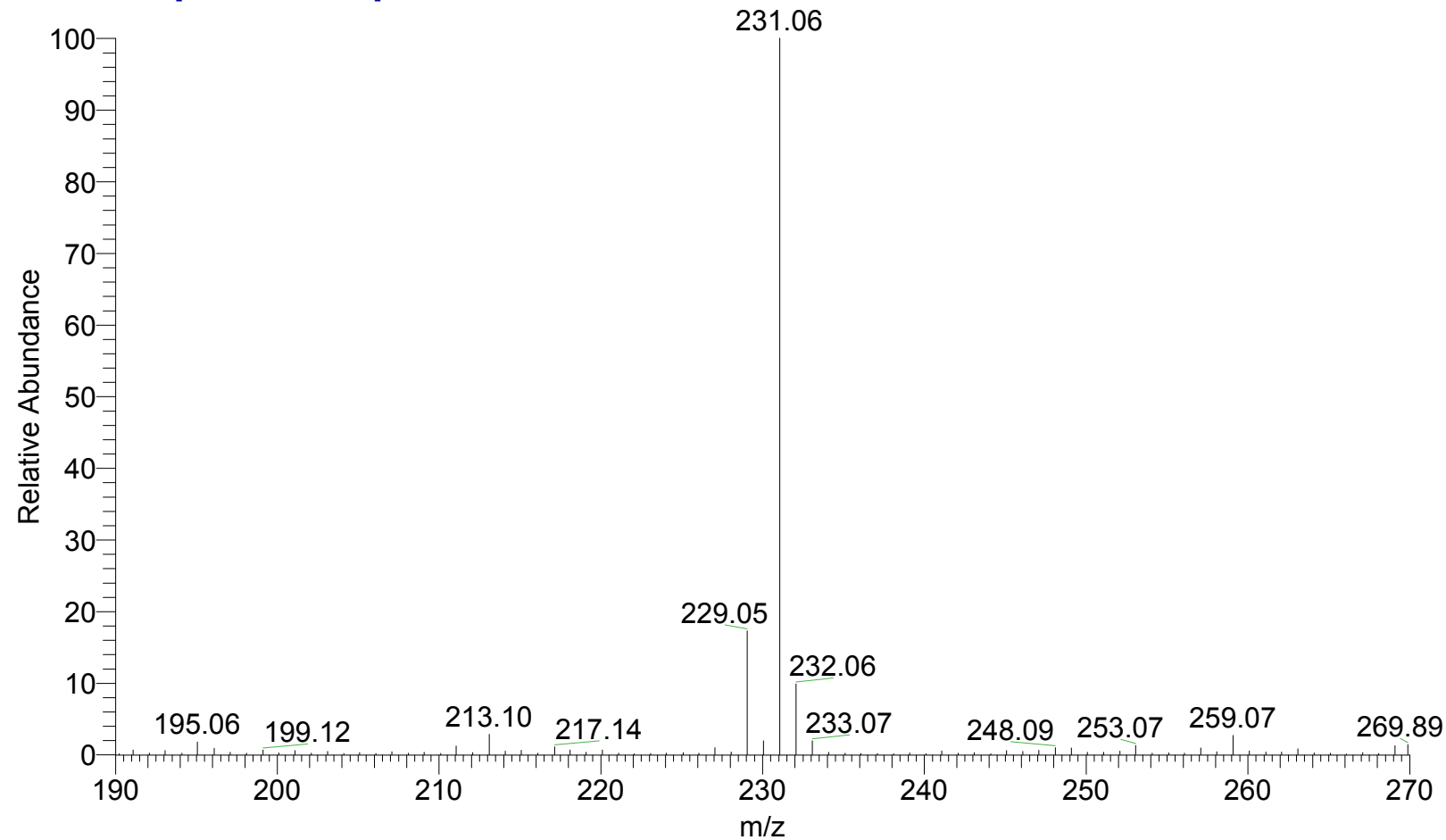
T: + c Q3MS [190.00-270.00]

NL: 1.68E8
TIC F: MS
MC119-20100204-NT
m/z = 227.56-234.24

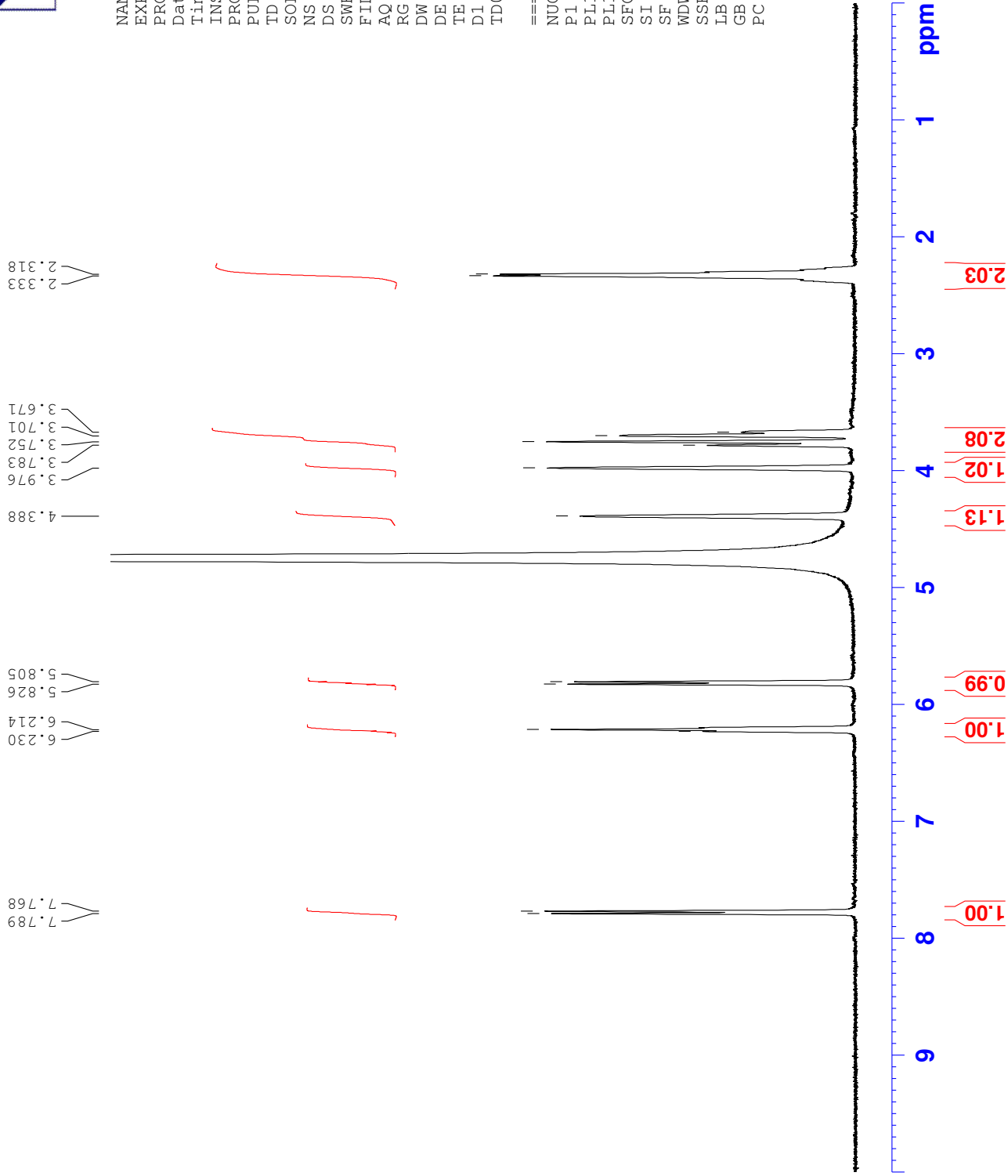
m/z	Intensity	Relative
228.06	226158.5	0.37
229.05	10543073.8	17.29
230.05	1171383.7	1.92
231.06	60975955.8	100.00
232.06	6013635.7	9.86
233.07	1186638.5	1.95
234.08	215466.5	0.35

MC119-20100204-NT #1-200 RT: 0.00-1.99 AV: 200 NL: 6.10E7

T: + c Q3MS [190.00-270.00]



MC119 1H NMR in D2O
Batch 20100204-NT



NAME MC119-20100204-NT
EXPNO 1
PROCNO 1
Date_ 20100303
Time 15.08
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zg30
TD 65536
SOLVENT D2O
NS 1000
DS 2
SWH 8278.146 Hz
FIDRES 0.126314 Hz
AQ 3.9584243 sec
RG 4
DW 60.400 usec
DE 6.50 usec
TE 294.8 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 400.1299812 MHz
WDW no
SSB 0
LB 0.00 Hz
GB 0
PC 1.00