

MC2318

Clozapine, [chlorophenyl-¹⁴C(U)]-

Lot 742-082-1134-A-20120810-SBA

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.

Clozapine, [chlorophenyl-¹⁴C(U)]- concentration was 70.0 µCi/mL.

Volume of standard alone injection was 2.0 µL.

Volume of **Clozapine, [chlorophenyl-¹⁴C(U)]-** alone injection was 1.0 µL.

Co-injection solution consisted of 1.0 µL **Clozapine, [chlorophenyl-¹⁴C(U)]-** + 2.0 µL standard.

Volume of co-injection was 3.0 µL.

Volume of blank injection was 3.0 µL.

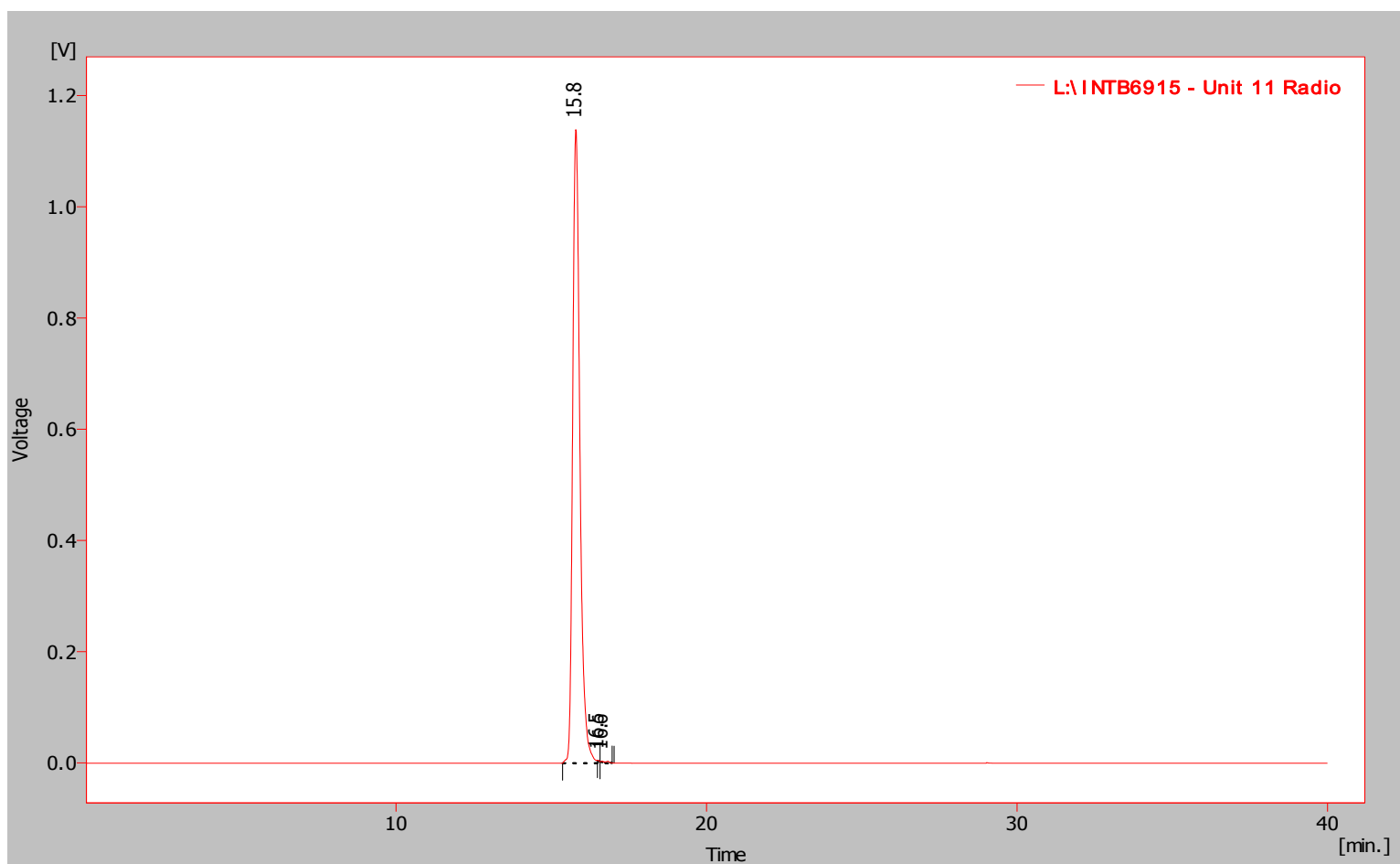
B) Mass spectrometry- Positive Mode

C) NMR

MC2318
Clozapine, [chlorophenyl-14C(U)]-
Lot 742-082-1134-A-20120810-SBA

Chromatogram Info:

File Name	: L:\INTB6915	File Created	: 11/8/2013 11:13:40 AM
Origin	: Acquired, Acquisition started 8/11/2012 12:45:18 PM	Acquired Date	: 8/11/2012 1:25:17 PM
Project	: Test	By	: Administrator
Method	: Unit11_40_min_run	By	: Administrator
Description	: Radiochemical trace of 14C material alone	Modified	: 11/8/2013 11:28 AM
Created	: 11/6/2007 2:08 PM	Detection	: Radiochemical
Column	:	Temperature	:
Mobile Phase	:	Pressure	:
Flow Rate	:	Note	:



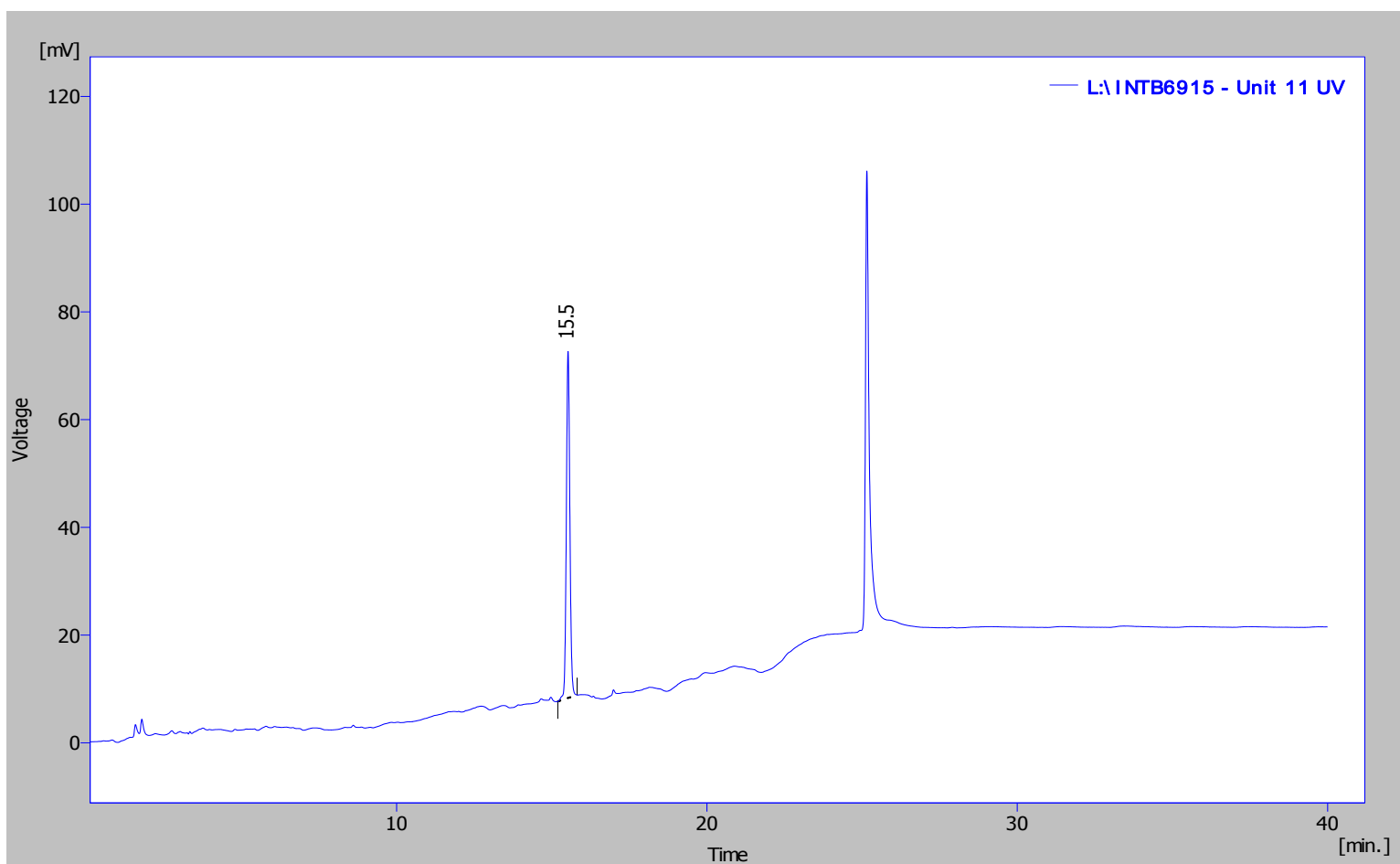
Result Table (Uncal - L:\INTB6915 - Unit 11 Radio)

	Compound Name	Reten. Time [min]	Area [%]	Area [mV.s]	Height [mV]	Height [%]	Efficiency [th.pl]
1		15.787	99.85	18524.837	1139.478	99.758	0.000
2		16.503	0.02	4.497	1.185	0.104	908794.913
3		16.633	0.12	23.140	1.583	0.139	33822.020
		Total	100.00	18552.474	1142.245	100.000	

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Project	: Test	By	: Administrator
Method	: Unit11_40_min_run	By	: Administrator
Description	: UV trace of 14C material alone	Modified	: 11/8/2013 11:31 AM
Created	: 11/6/2007 2:08 PM		
Column	:	Detection	: UV 257nm
Mobile Phase	:	Temperature	:
Flow Rate	:	Pressure	:
Note	:		



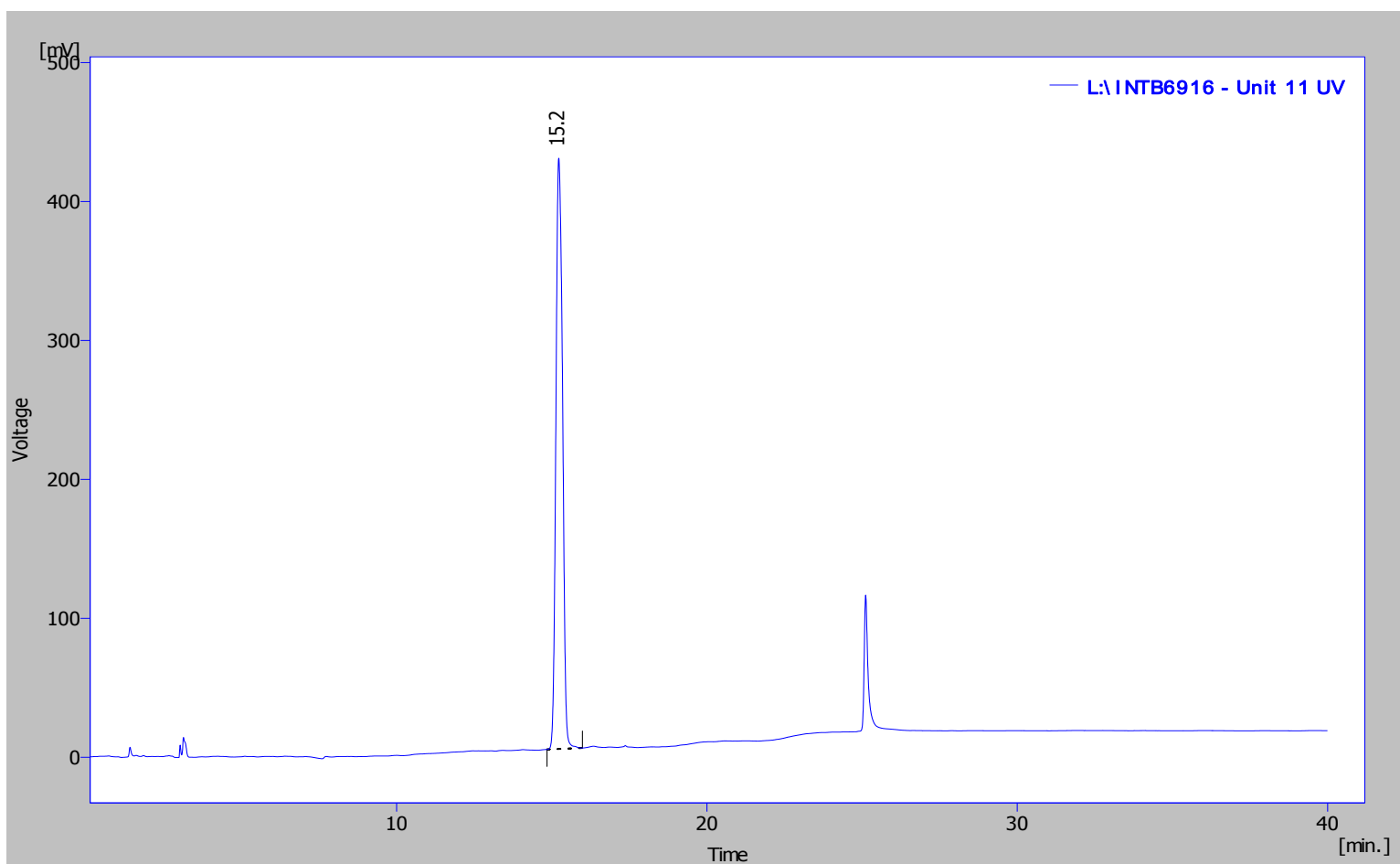
Result Table (Uncal - L:\INTB6915 - Unit 11 UV)

	Compound Name	Reten. Time [min]	Area [%]	Area [mV.s]	Height [mV]	Height [%]	Efficiency [th.pl]
1		15.523	100.00	508.726	64.341	100.000	70465.537
		Total	100.00	508.726	64.341	100.000	

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Chromatogram Info:

File Name	: L:\INTB6916	File Created	: 11/8/2013 11:13:40 AM
Origin	: Acquired, Acquisition started 8/11/2012 1:36:49 PM	Acquired Date	: 8/11/2012 2:16:48 PM
Project	: Test	By	: Administrator
Method	: Unit11_40_min_run	By	: Administrator
Description	: UV trace of standard alone	Modified	: 11/8/2013 11:18 AM
Created	: 11/6/2007 2:08 PM		
Column	:	Detection	: UV 257nm
Mobile Phase	:	Temperature	:
Flow Rate	:	Pressure	:
Note	:		



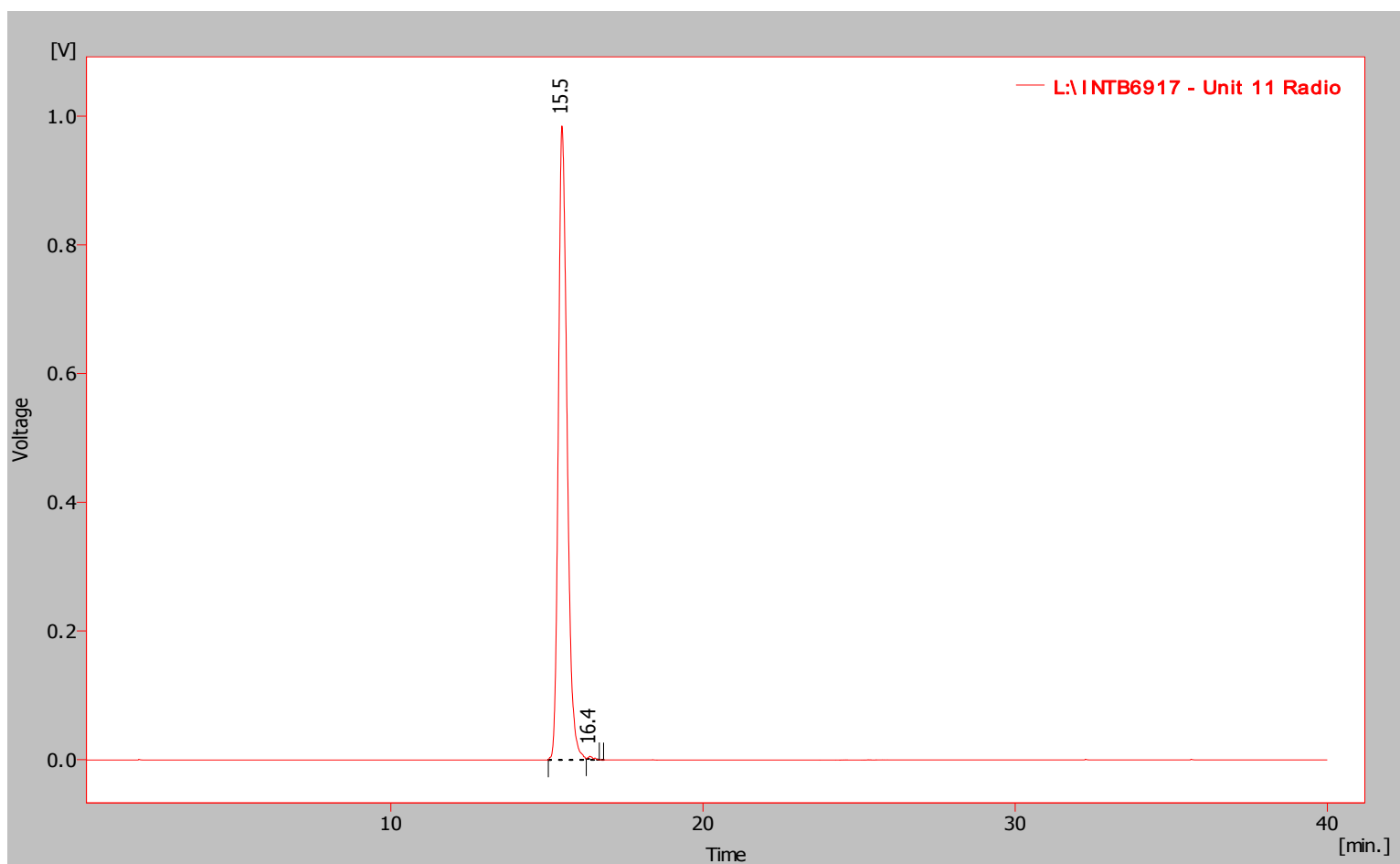
Result Table (Uncal - L:\INTB6916 - Unit 11 UV)

	Compound Name	Reten. Time [min]	Area [%]	Area [mV.s]	Height [mV]	Height [%]	Efficiency [th.pl]
1		15.223	100.00	6342.090	425.243	100.000	23724.194
		Total	100.00	6342.090	425.243	100.000	

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Chromatogram Info:

File Name	: L:\INTB6917	File Created	: 11/8/2013 11:13:40 AM
Origin	: Acquired, Acquisition started 8/11/2012 2:29:10 PM	Acquired Date	: 8/11/2012 3:09:09 PM
Project	: Test	By	: Administrator
Method	: Unit11_40_min_run	By	: Administrator
Description	: Radiochemical trace of 14C material co-injected with standard	Modified	: 11/8/2013 11:35 AM
Created	: 11/6/2007 2:08 PM	Detection	: Radiochemical
Column	:	Temperature	:
Mobile Phase	:	Pressure	:
Flow Rate	:	Note	:



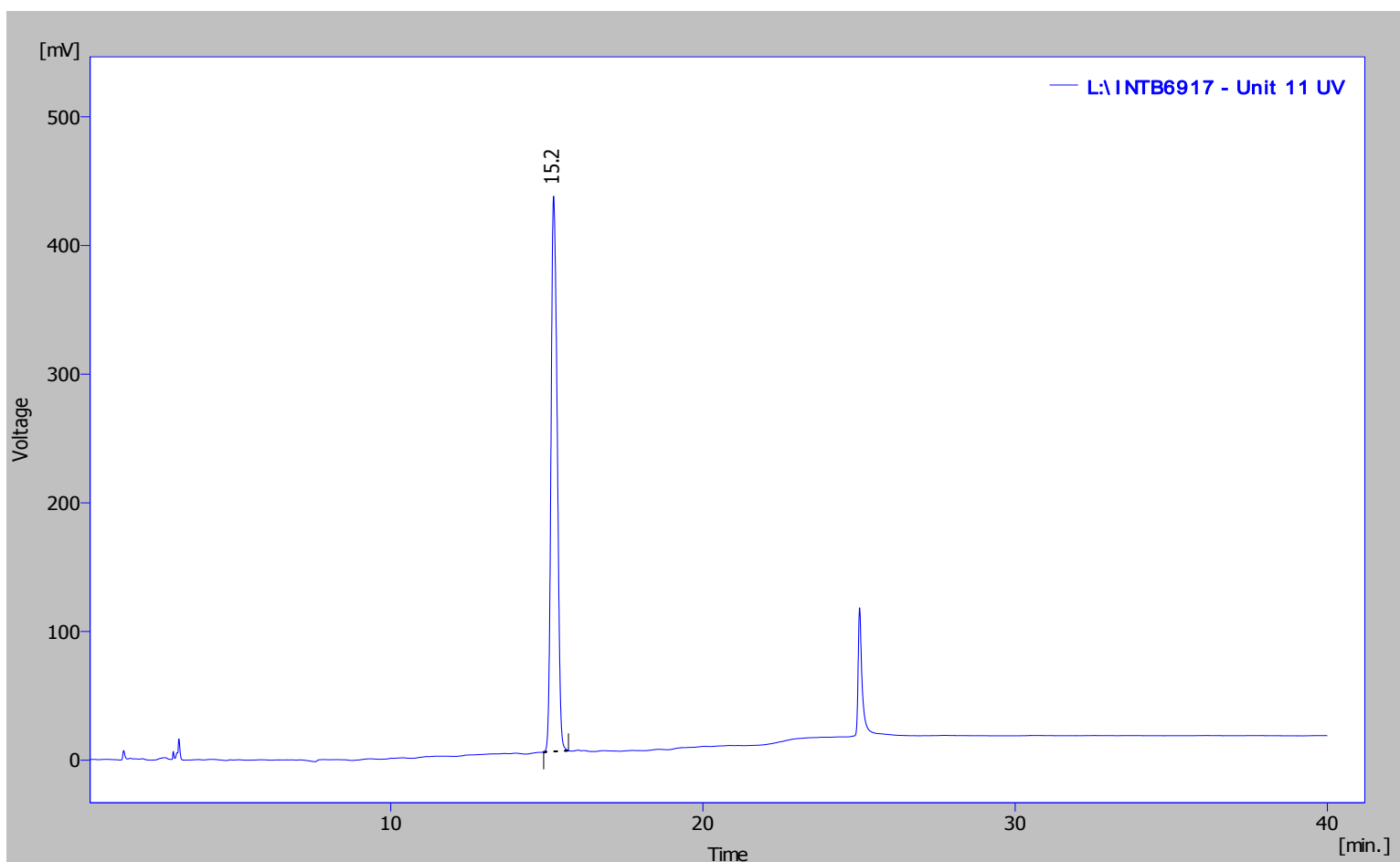
Result Table (Uncal - L:\INTB6917 - Unit 11 Radio)

	Compound Name	Reten. Time [min]	Area [%]	Area [mV.s]	Height [mV]	Height [%]	Efficiency [th.pl]
1		15.480	99.77	19175.859	985.275	99.550	0.000
2		16.377	0.23	45.040	4.454	0.450	41063.920
	Total		100.00	19220.899	989.729	100.000	

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Project	: Test	By	: Administrator
Method	: Unit11_40_min_run	By	: Administrator
Description	: UV trace of 14C material co-injected with standard	Modified	: 11/8/2013 11:28 AM
Created	: 11/6/2007 2:08 PM		
Column	:	Detection	: UV 257nm
Mobile Phase	:	Temperature	:
Flow Rate	:	Pressure	:
Note	:		



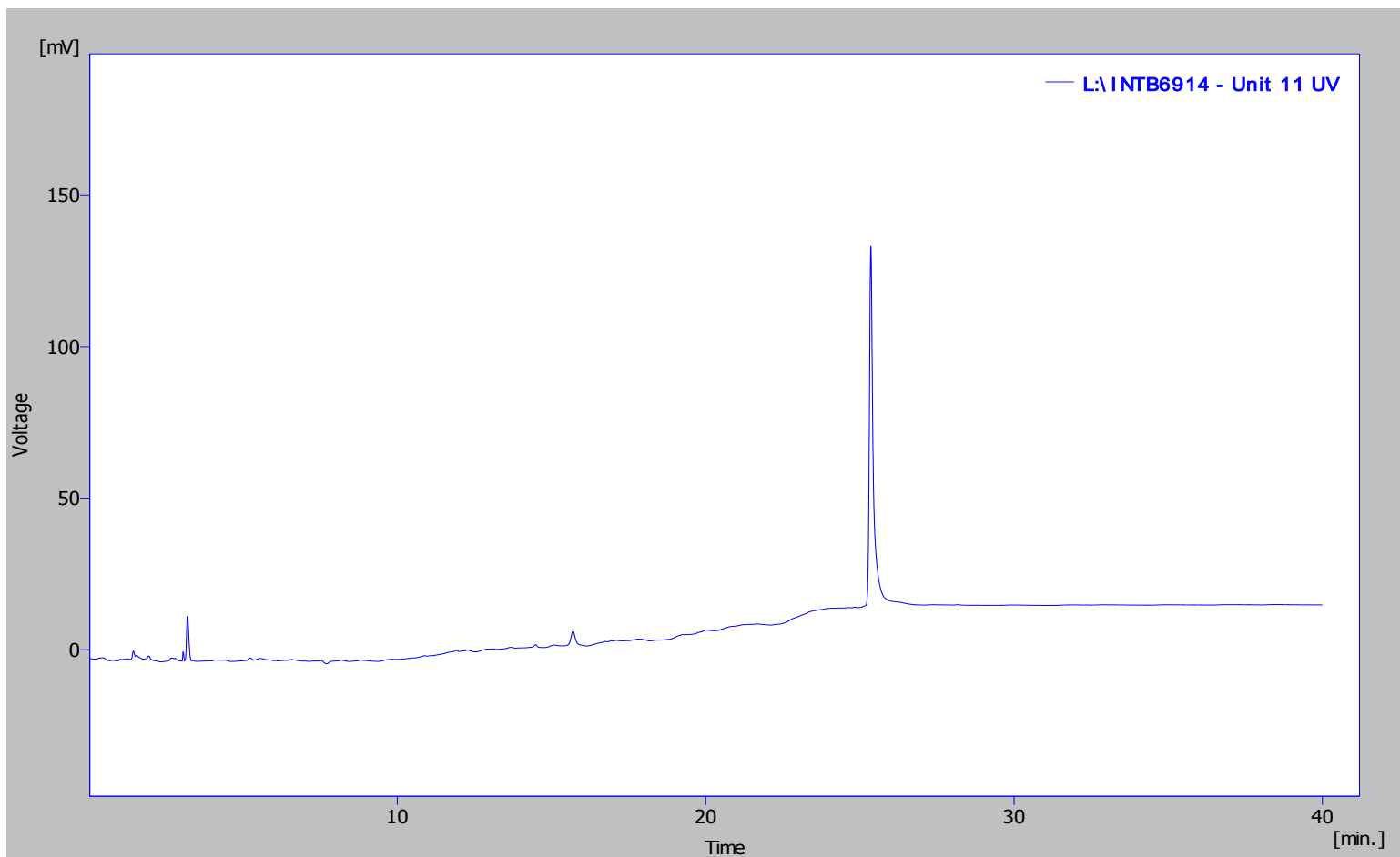
Result Table (Uncal - L:\INTB6917 - Unit 11 UV)

	Compound Name	Reten. Time [min]	Area [%]	Area [mV.s]	Height [mV]	Height [%]	Efficiency [th.pl]
1		15.217	100.00	5932.581	431.533	100.000	28767.431
		Total	100.00	5932.581	431.533	100.000	

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Chromatogram Info:

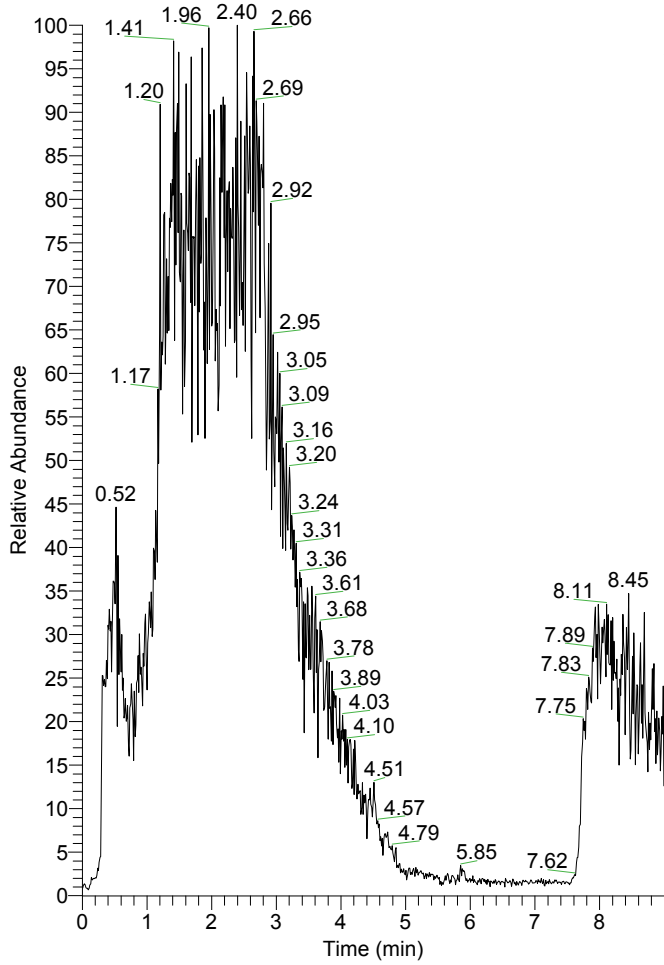
File Name	: L:\INTB6914	File Created	: 11/8/2013 11:13:39 AM
Origin	: Acquired, Acquisition started 8/11/2012 11:58:24 AM	Acquired Date	: 8/11/2012 12:38:23 PM
Project	: Test	By	: Administrator
Method	: Unit11_40_min_run	By	: Administrator
Description	: UV trace of blank injection	Modified	: 11/8/2013 11:38 AM
Created	: 11/6/2007 2:08 PM		
Column	:	Detection	: UV 257nm
Mobile Phase	:	Temperature	:
Flow Rate	:	Pressure	:
Note	:		



Result Table (Uncal - L:\INTB6914 - Unit 11 UV)

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

RT: 0.00 - 9.00



NL:
1.07E10
TIC MS
MC2318

MC2318#51-470 RT: 0.59-5.40 AV: 420

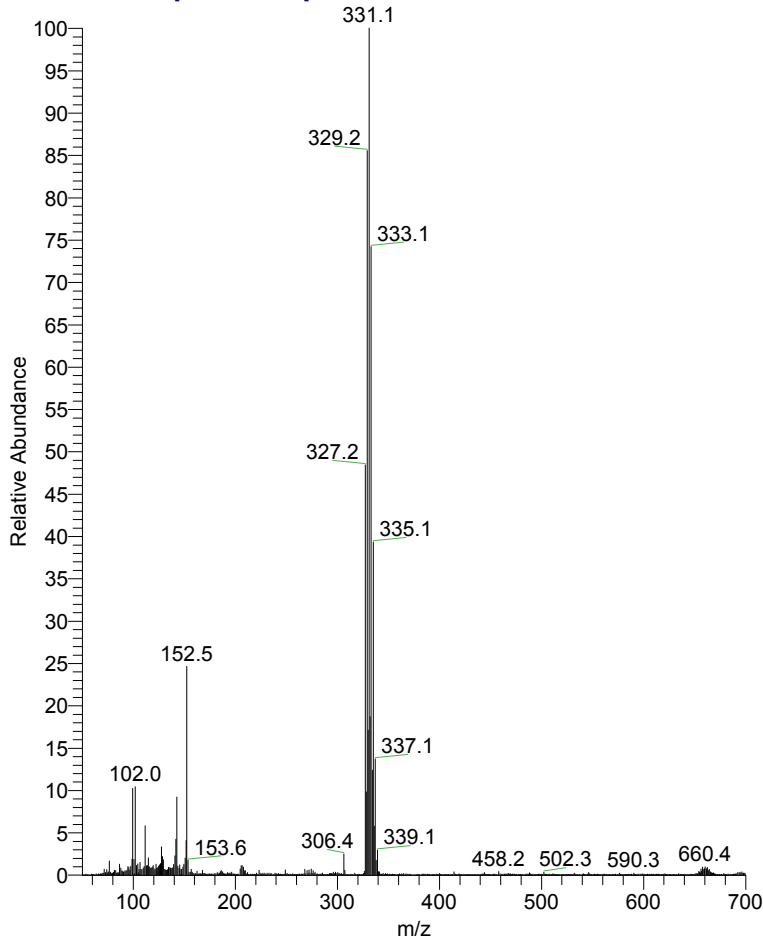
T: + c ESI Full ms [50.00-700.00]

m/z= 311.4-367.7

m/z	Intensity	Relative
326.4	2868162.4	0.42
327.2	328814418.8	48.42
328.3	66533653.1	9.80
329.2	580789487.3	85.53
330.2	116243055.1	17.12
331.1	679079498.8	100.00
332.2	127025311.6	18.71
333.1	503967626.8	74.21
334.1	83931001.2	12.36
335.1	267029246.6	39.32
336.1	39058292.1	5.75
337.1	93074370.8	13.71
338.1	11731212.5	1.73
339.1	19805919.5	2.92
340.1	2658677.5	0.39
341.1	2508180.3	0.37
347.0	1037761.7	0.15
365.0	1173672.4	0.17

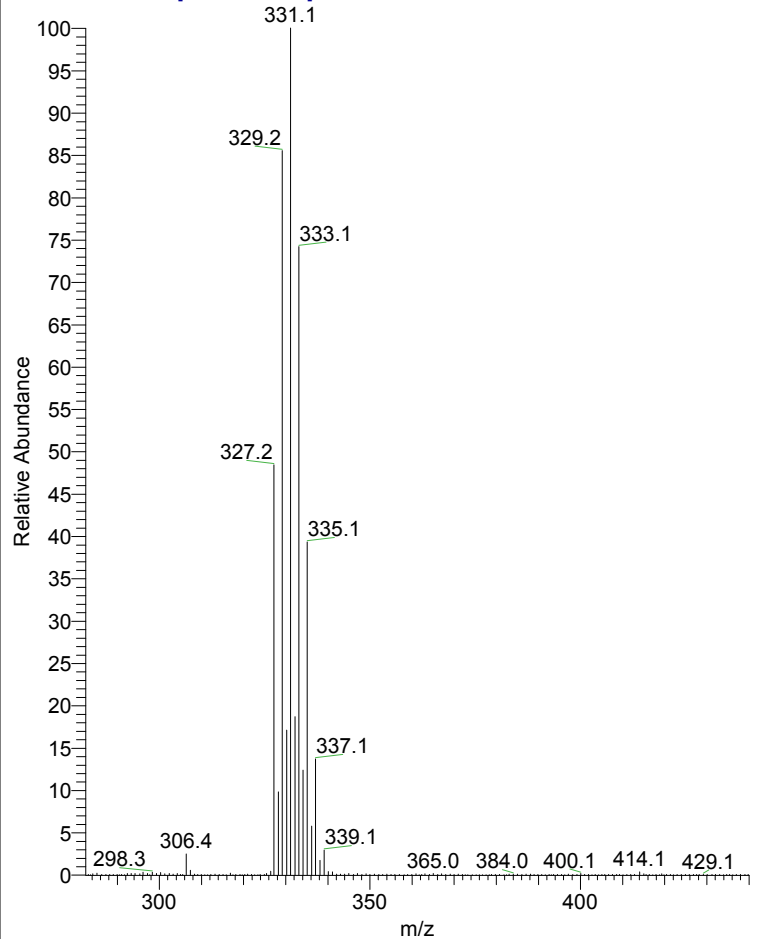
MC2318 #51-470 RT: 0.59-5.40 AV: 420 NL: 6.79E8

T: + c ESI Full ms [50.00-700.00]



MC2318 #51-470 RT: 0.59-5.40 AV: 420 NL: 6.79E8

T: + c ESI Full ms [50.00-700.00]



MC2318 1H NMR in MeOD
Batch 20120810-SBA



BRUKER

7.366
7.361
7.340
7.336
7.315
7.310
7.288
7.284
7.262
7.258
7.053
7.050
7.028
7.025
7.000
6.973
6.971
6.946
6.938
6.860
6.853
6.832
6.825
6.799
6.771

3.519
3.495
3.472
3.449
3.424

2.547
2.338

NAME MC2318-20120810-SBA
EXPNO 1
PROCNO 1
Date_ 20120814
Time_ 9.10
INSTRUM spect
PROBHD 5 mm DUX 3H-1H
PULPROG zg30
TD 65536
SOLVENT MeOD
NS 512
DS 2
SWH 5411.255 Hz
FIDRES 0.082569 Hz
AQ 6.0555763 sec
RG 812.7
DW 92.400 usec
DE 6.50 usec
TE 300.0 K
D1 1.00000000 sec
TD0 1

==== CHANNEL f1 =====
NUC1 1H
P1 7.25 usec
PL1 0.00 dB
SFO1 300.1318534 MHz
SI 32768
SF 300.1300061 MHz
WDW no
SSB 0
LB 0.00 Hz
GB 0
PC 1.00

