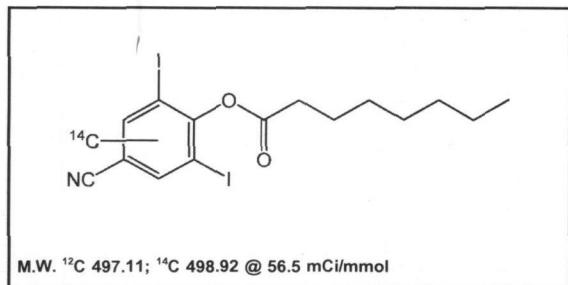




Product Data Sheet

MC-2349

loxynil octanoate, [ring-¹⁴C(U)]-



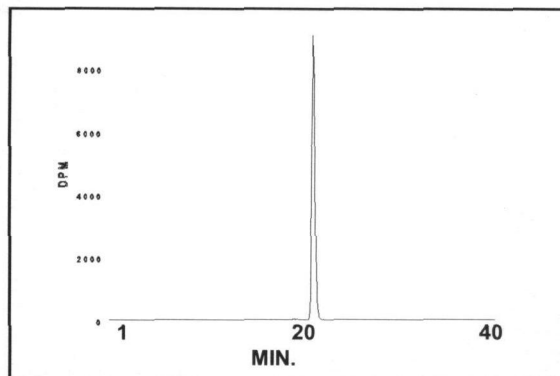
Lot #: 190-098-0565-A-20100408-DC

Specific Activity: 56.5 mCi/mmol

Packaged as: Solid

Date of Analysis: April 20, 2010

Radiochemical Purity: 99.3%



HPLC ANALYSIS LOT 190-098-0565-A-20100408-DC
File Name: inti2336 Date and Time: 4/20/2010 12:33:32 P
Unit 18 Radio

Peak #	Area %	Time	Area
1	0.06	8.56000	12.50651
2	0.09	18.01500	19.06969
3	0.46	19.14670	93.08940
4	99.35	21.15830	20295.39505
5	0.04	22.26500	7.61068
Totals	100.00		20427.67133

Storage Recommendation: Store 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.

MC-2349

loxynil octanoate, [ring-¹⁴C(U)]-

Lot 190-098-0565-A-20100408-DC

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.

loxynil octanoate, [ring-¹⁴C(U)]- concentration was 0.1 mCi/ml.

Volume of standard alone injection was 2.0 µl.

Volume of **loxynil octanoate, [ring-¹⁴C(U)]-** alone injection was 2.0 µl.

Co-injection solution consisted of 1.0 µl **loxynil octanoate, [ring-¹⁴C(U)]-** + 1.0 µl standard.

Volume of co-injection was 2.0 µl.

Volume of blank injection was 2.0 µl.

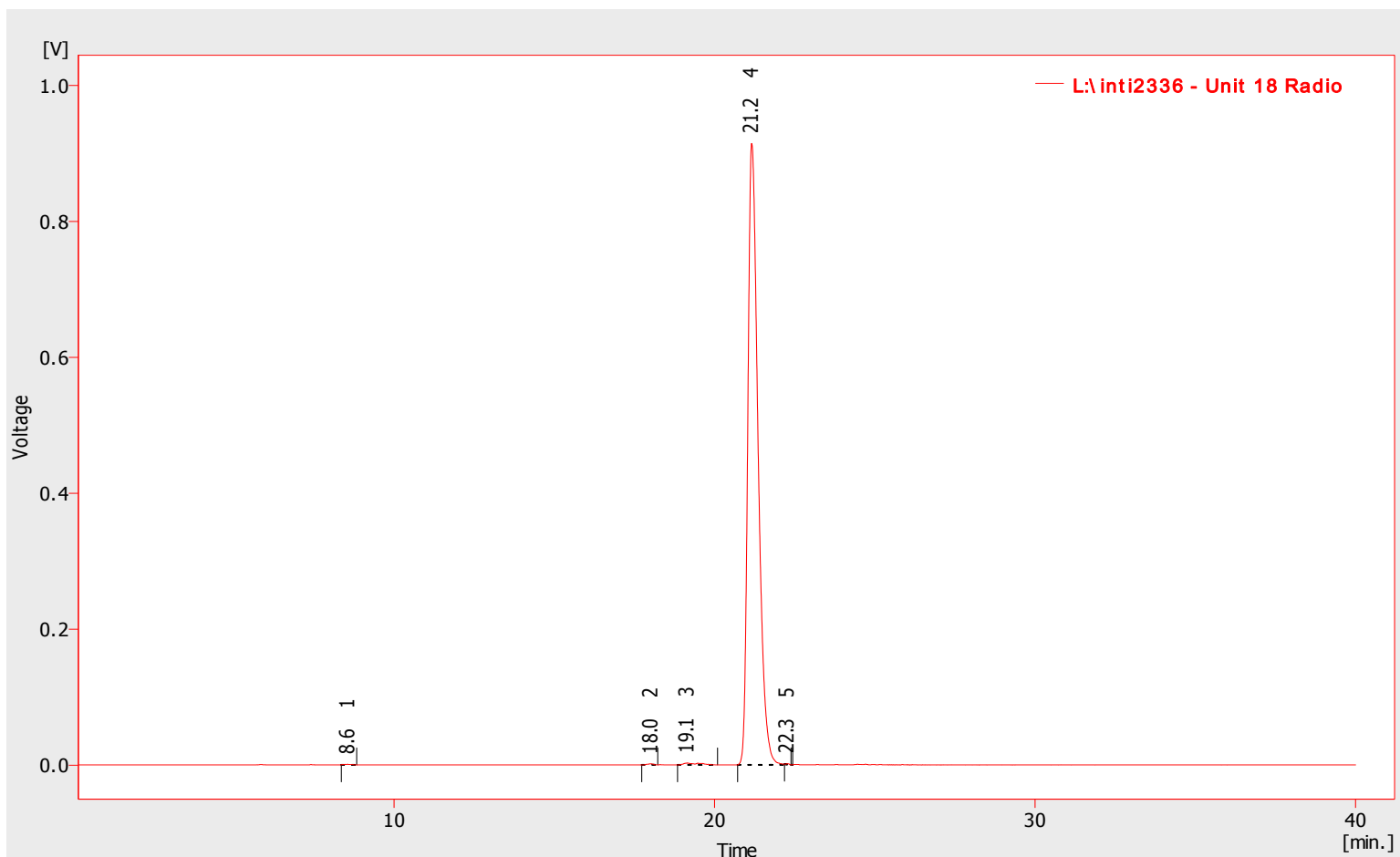
B) Mass spectrometry – Negative mode

C) NMR

MC-2349
loxynil octanoate, [ring-14C(U)]-
Lot 190-098-0565-A-20100408-DC

Chromatogram Info:

File Name	: L:\inti2336.PRM	File Created	: 5/19/2014 11:52:56 AM
Origin	: Acquired, Acquisition started 4/20/2010 11:53:34 AM	Acquired Date	: 4/20/2010 12:33:32 PM
Project	: c:\Clarity\Projects\Test.PRJ	By	: Administrator
Method	: Unit18_40_min_run	By	: Administrator
Description	: Radiochemical trace of 14C material alone	Modified	: 5/19/2014 12:19 PM
Created	: 8/9/2007 1:12 PM		
Column	:	Detection	: Radiochemical
Mobile Phase	:	Temperature	:
Flow Rate	:	Pressure	:
Note	:		



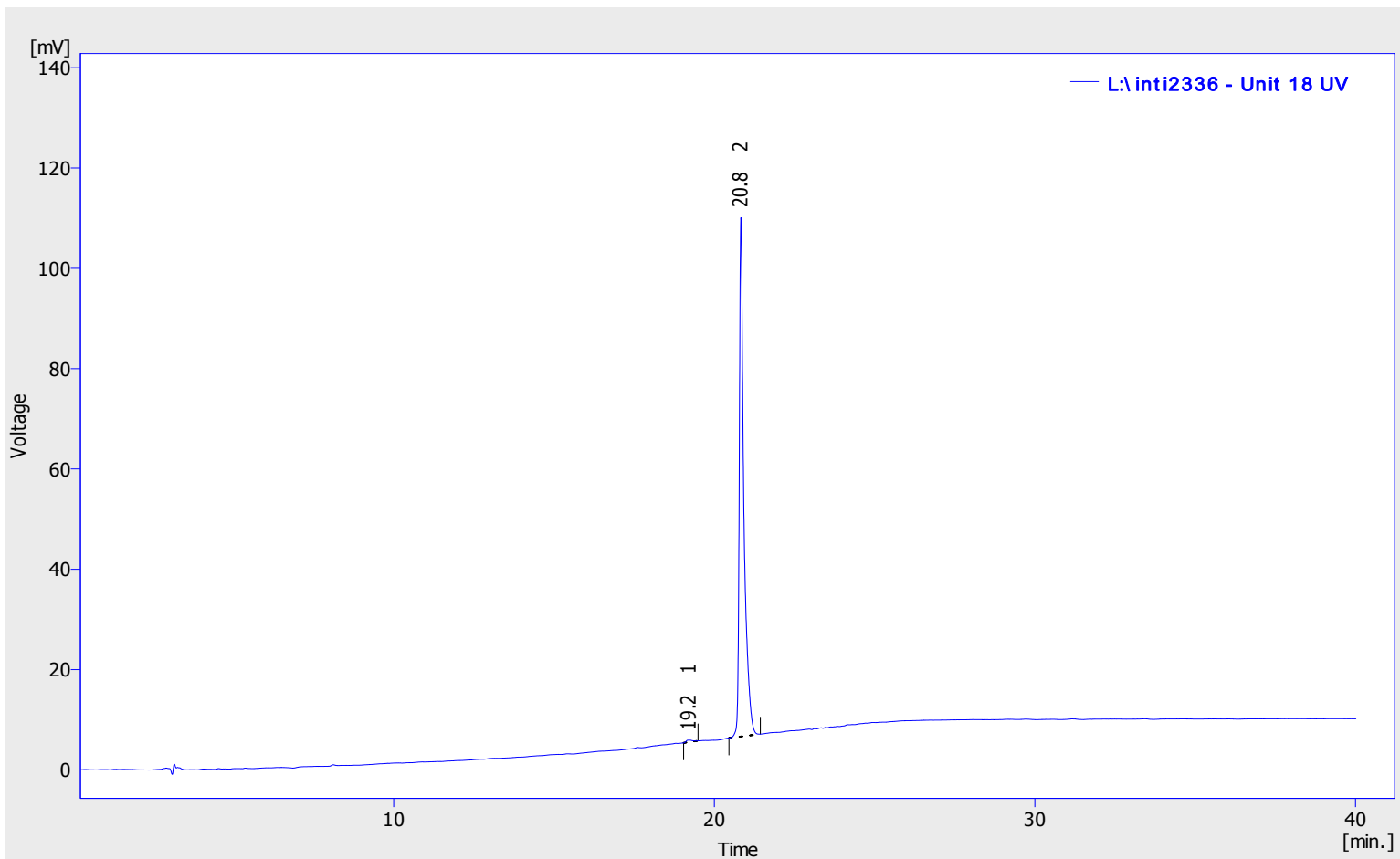
Result Table (Uncal - L:\inti2336 - Unit 18 Radio)

	Compound Name	Reten. Time [min]	Area [mV.s]	Height [mV]	Area [%]	Height [%]	Efficiency [th.pl]	Resolution [-]	Symmetry/Tailing [-]	Eff/I [t.p./m]	Response Factor
1		8.56	12.494	0.93	0.06	0.10	6971.62		1.0	139432.37	
2		18.01	19.061	1.60	0.09	0.17	55148.01	19.58	0.8	1102960.24	
3		19.15	93.067	2.88	0.46	0.31	6373.60	2.35	2.1	127472.08	
4		21.16	20295.845	914.17	99.35	99.28	0.00	3.49	2.0	0.00	
5		22.26	7.236	1.25	0.04	0.14	372811.36	3.01	1.1	7456227.20	
	Total		20427.704	920.83	100.00	100.00					

MC-2349
loxynil octanoate, [ring-14C(U)]-
Lot 190-098-0565-A-20100408-DC

Chromatogram Info:

File Name	: L:\inti2336.PRM	File Created	: 5/19/2014 11:52:56 AM
Origin	: Acquired, Acquisition started 4/20/2010 11:53:34 AM	Acquired Date	: 4/20/2010 12:33:32 PM
Project	: c:\Clarity\Projects\Test.PRJ	By	: Administrator
Method	: Unit18_40_min_run	By	: Administrator
Description	: UV trace of 14C material alone	Modified	: 5/19/2014 12:20 PM
Created	: 8/9/2007 1:12 PM		
Column	:	Detection	: UV 254nm
Mobile Phase	:	Temperature	:
Flow Rate	:	Pressure	:
Note	:		



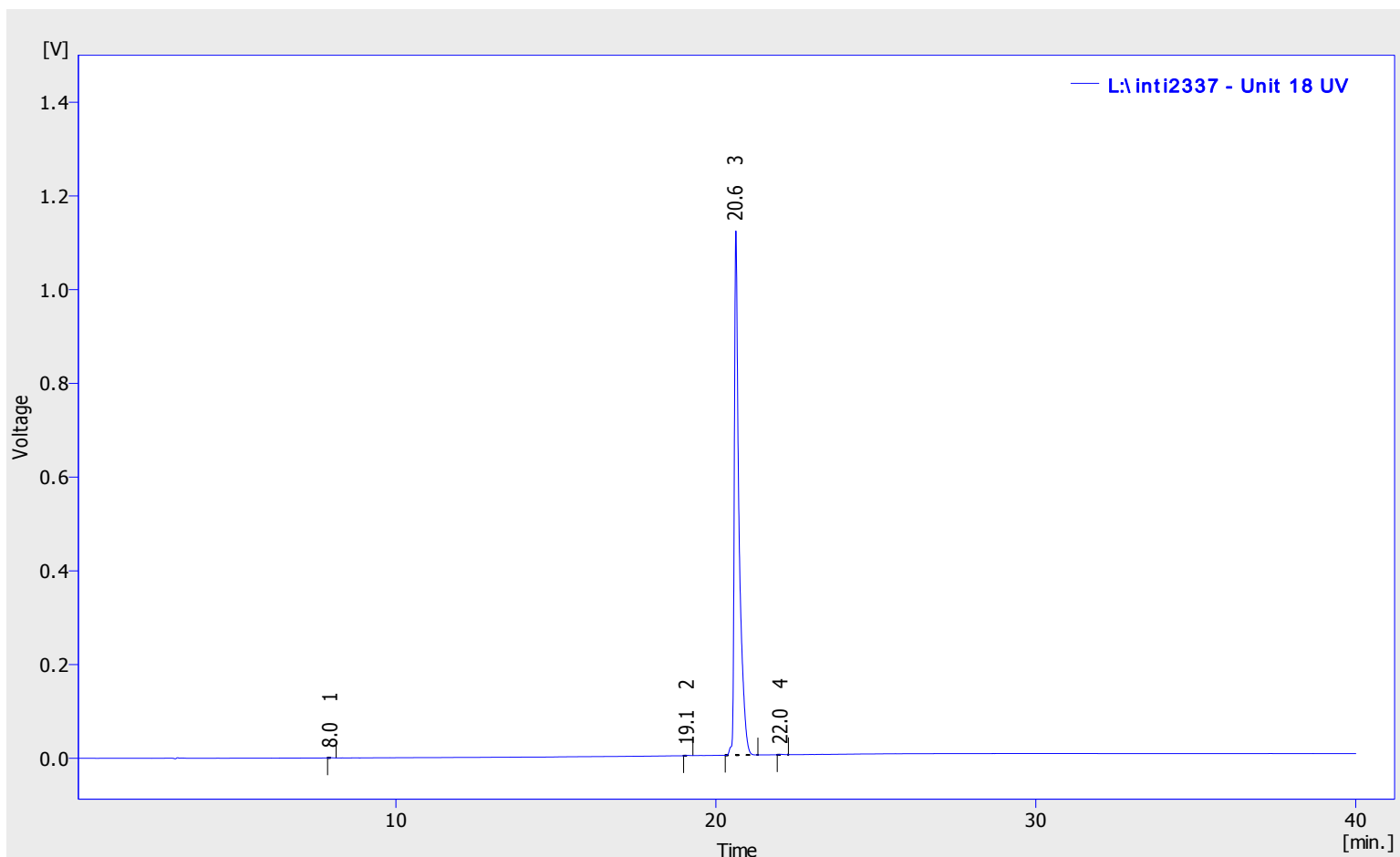
Result Table (Uncal - L:\inti2336 - Unit 18 UV)

	Compound Name	Reten. Time [min]	Area [mV.s]	Height [mV]	Area [%]	Height [%]	Efficiency [th.pl]	Resolution [-]	Symmetry/Tailing [-]	Eff/I [t.p./m]	Response Factor
1		19.21	5.300	0.39	0.50	0.38	52384.12		1.3	1047682.32	
2		20.83	1046.824	103.45	99.50	99.62	47634.65	3.79	1.8	952693.08	
		Total	1052.123	103.84	100.00	100.00					

MC-2349
loxynil octanoate, [ring-14C(U)]-
Lot 190-098-0565-A-20100408-DC

Chromatogram Info:

File Name	: L:\inti2337.PRM	File Created	: 5/19/2014 11:52:56 AM
Origin	: Acquired, Acquisition started 4/20/2010 12:54:30 PM	Acquired Date	: 4/20/2010 1:34:28 PM
Project	: c:\Clarity\Projects\Test.PRJ	By	: Administrator
Method	: Unit18_40_min_run	By	: Administrator
Description	: UV trace of standard material alone	Modified	: 5/19/2014 12:23 PM
Created	: 8/9/2007 1:12 PM		
Column	:	Detection	: UV 254nm
Mobile Phase	:	Temperature	:
Flow Rate	:	Pressure	:
Note	:		



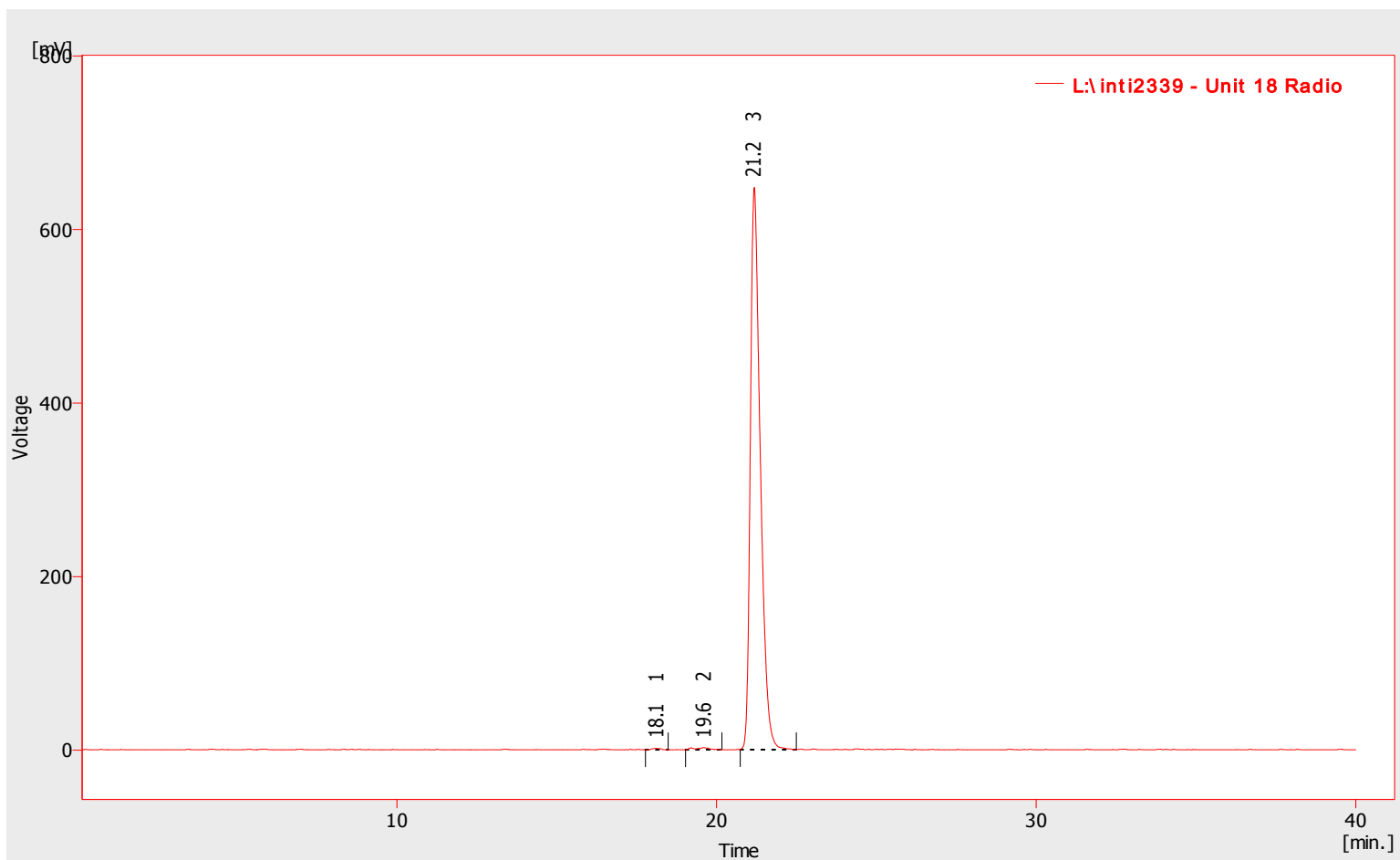
Result Table (Uncal - L:\inti2337 - Unit 18 UV)

	Compound Name	Reten. Time [min]	Area [mV.s]	Height [mV]	Area [%]	Height [%]	Efficiency [th.pl]	Resolution [-]	Symmetry/Tailing [-]	Eff/I [t.p./m]	Response Factor
1		7.97	2.876	0.42	0.02	0.04	29881.37		1.3	597627.41	
2		19.11	4.279	0.60	0.04	0.05	145042.61	50.56	1.3	2900852.11	
3		20.63	11623.987	1118.60	99.88	99.83	45509.12	6.26	2.0	910182.45	
4		22.04	7.229	0.88	0.06	0.08	139042.61	6.01	1.5	2780852.19	
	Total		11638.372	1120.50	100.00	100.00					

MC-2349
loxynil octanoate, [ring-14C(U)]-
Lot 190-098-0565-A-20100408-DC

Chromatogram Info:

File Name	: L:\inti2339.PRM	File Created	: 5/19/2014 1:02:18 PM
Origin	: Acquired, Acquisition started 4/20/2010 3:02:36 PM	Acquired Date	: 4/20/2010 3:42:34 PM
Project	: c:\Clarity\Projects\Test.PRJ	By	: Administrator
Method	: Unit18_40_min_run	By	: Administrator
Description	: Radiochemical trace of 14C material co-injected with standard		
Created	: 8/9/2007 1:12 PM	Modified	: 5/19/2014 1:13 PM
Column	:	Detection	: Radiochemical
Mobile Phase	:	Temperature	:
Flow Rate	:	Pressure	:
Note	:		



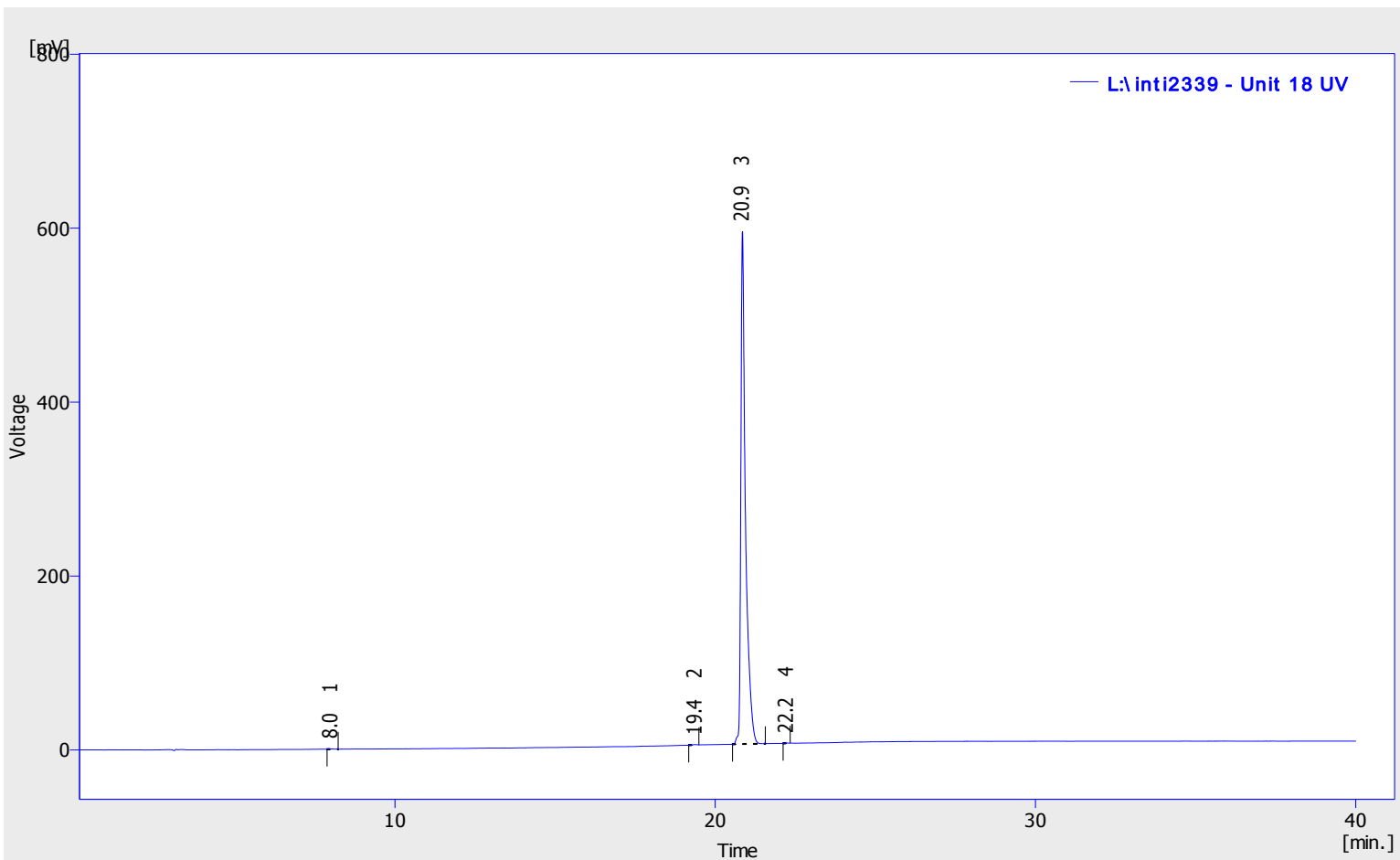
Result Table (Uncal - L:\inti2339 - Unit 18 Radio)

	Compound Name	Reten. Time [min]	Area [mV.s]	Height [mV]	Area [%]	Height [%]	Efficiency [th.pl]	Resolution [-]	Symmetry/Tailing [-]	Eff/I [t.p./m]	Response Factor
1		18.13	27.180	1.51	0.19	0.23	31893.35		1.0	637867.01	
2		19.62	78.027	2.47	0.55	0.38	6471.21	2.41	0.8	129424.26	
3		21.18	14027.091	647.99	99.26	99.39	16331.95	2.60	1.4	326639.07	
		Total	14132.297	651.98	100.00	100.00					

MC-2349
loxynil octanoate, [ring-14C(U)]-
Lot 190-098-0565-A-20100408-DC

Chromatogram Info:

File Name	: L:\inti2339.PRM	File Created	: 5/19/2014 1:02:18 PM
Origin	: Acquired, Acquisition started 4/20/2010 3:02:36 PM	Acquired Date	: 4/20/2010 3:42:34 PM
Project	: c:\Clarity\Projects\Test.PRJ	By	: Administrator
Method	: Unit18_40_min_run	By	: Administrator
Description	: UV trace of 14C material co-injected with standard	Modified	: 5/19/2014 1:06 PM
Created	: 8/9/2007 1:12 PM		
Column	:	Detection	: UV 254nm
Mobile Phase	:	Temperature	:
Flow Rate	:	Pressure	:
Note	:		



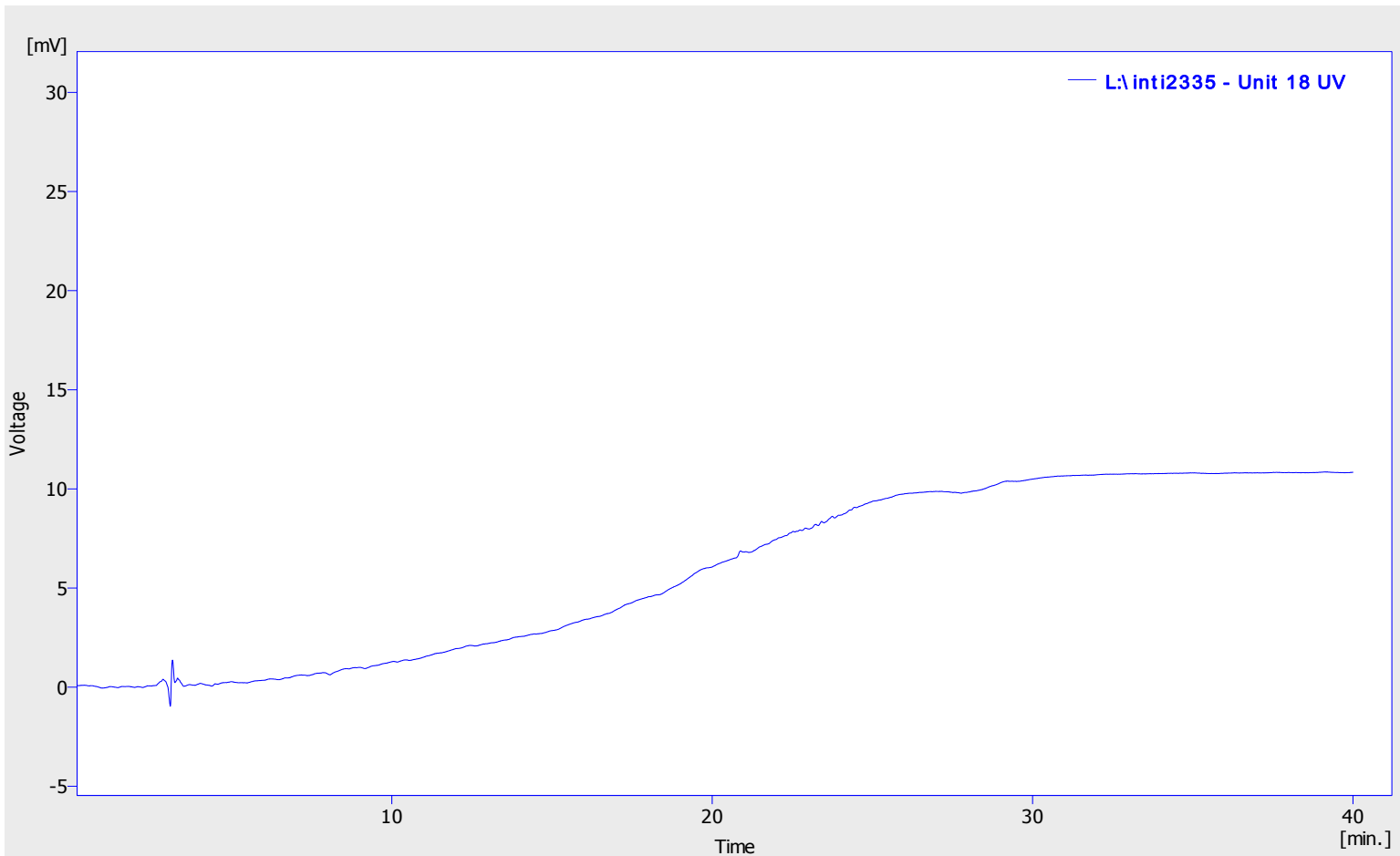
Result Table (Uncal - L:\inti2339 - Unit 18 UV)

	Compound Name	Reten. Time [min]	Area [mV.s]	Height [mV]	Area [%]	Height [%]	Efficiency [th.pl]	Resolution [-]	Symmetry/Tailing [-]	Eff/I [t.p./m]	Response Factor
1		8.00	2.650	0.36	0.04	0.06	19451.90		1.5	389037.99	
2		19.37	4.192	0.45	0.07	0.08	108864.05	49.68	0.8	2177280.94	
3		20.85	5979.945	589.42	99.85	99.80	47979.31	6.02	2.0	959586.15	
4		22.22	2.107	0.36	0.04	0.06	326970.42	6.31	1.1	6539408.42	
	Total		5988.894	590.59	100.00	100.00					

MC-2349
loxynil octanoate, [ring-14C(U)]-
Lot 190-098-0565-A-20100408-DC

Chromatogram Info:

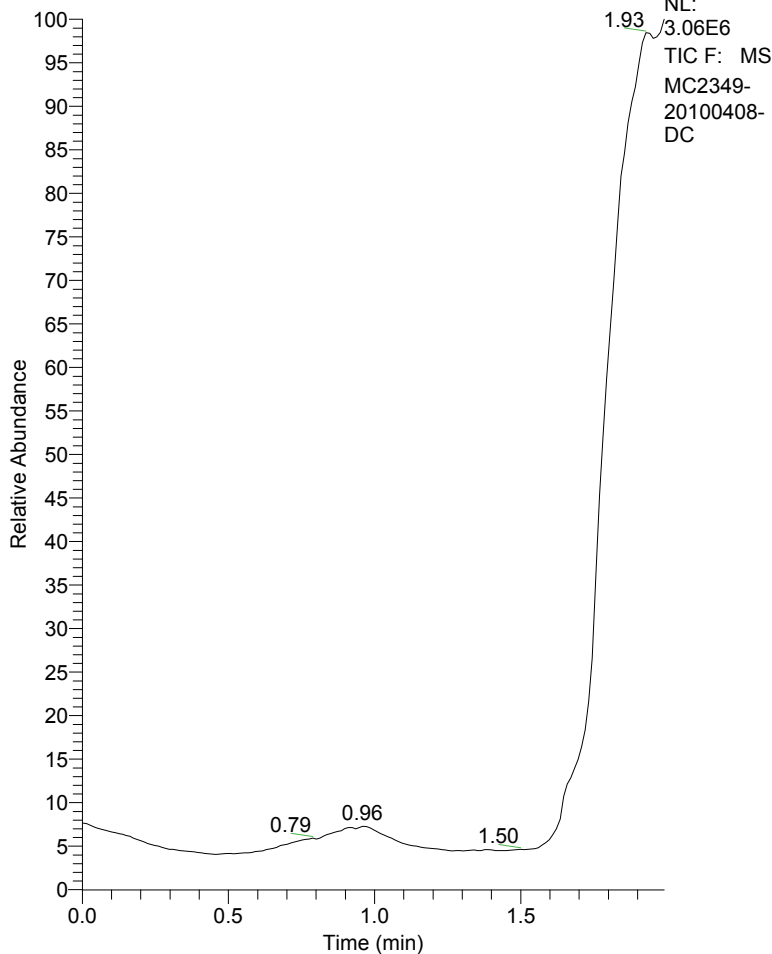
File Name : L:\inti2335.PRM File Created : 5/19/2014 11:52:57 AM
Origin : Acquired, Acquisition started 4/20/2010 10:53:19 AM Acquired Date : 4/20/2010 11:33:17 AM
Project : c:\Clarity\Projects\Test.PRJ By : Administrator
Method : Unit18_40_min_run By : Administrator
Description : UV trace of blank injection
Created : 8/9/2007 1:12 PM Modified : 5/19/2014 11:59 AM
Column : Detection : UV 254nm
Mobile Phase : Temperature :
Flow Rate : Pressure :
Note :



Result Table (Uncal - L:\inti2335 - Unit 18 UV)

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

RT: 0.00 - 1.99



MC2349-20100408-DC#1-163 RT: 0.00-1.99

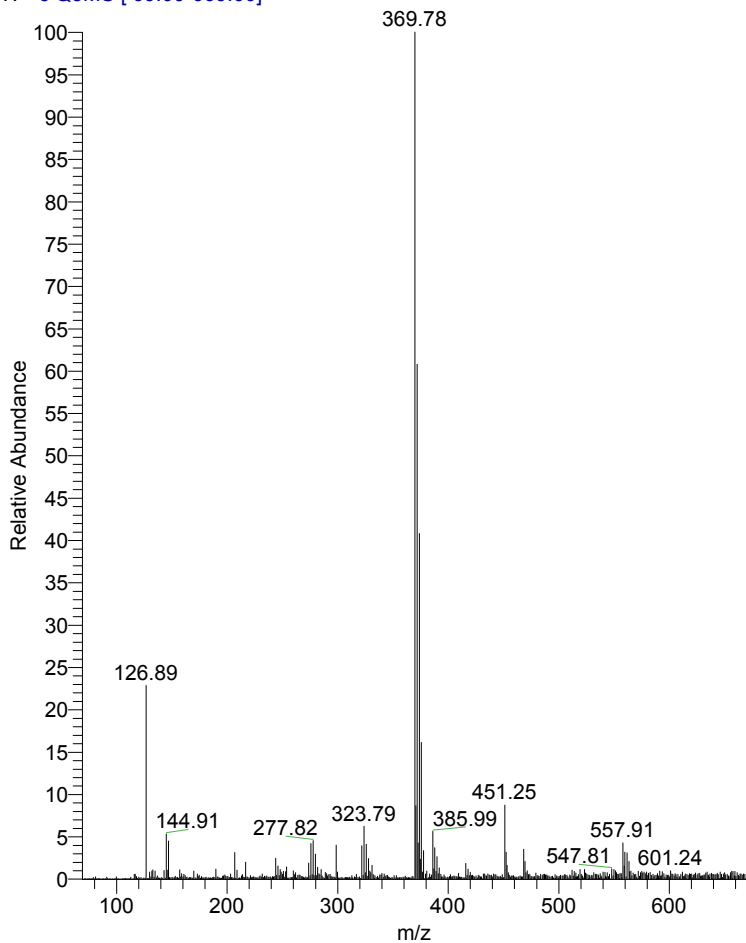
T: - c Q3MS [69.00-669.00]

m/z = 365.98-383.41

m/z	Intensity	Relative
368.02	237.7	0.29
369.01	38.8	0.05
369.78	82248.7	100.00
370.80	7118.1	8.65
371.79	49984.0	60.77
372.81	3485.0	4.24
373.79	33549.5	40.79
374.83	1919.4	2.33
375.80	13255.8	16.12
376.84	678.8	0.83
377.81	2751.5	3.35
378.44	1.5	0.00
379.36	494.6	0.60
379.94	13.2	0.02
380.55	765.4	0.93
381.18	4.1	0.00
381.89	153.8	0.19
383.29	496.0	0.60

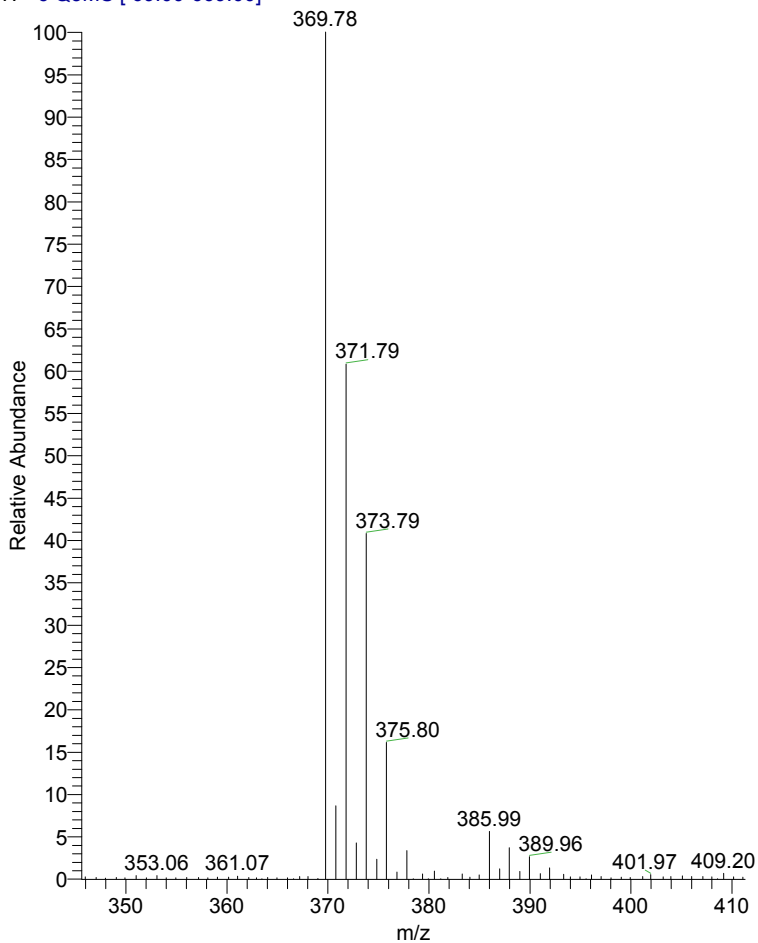
MC2349-20100408-DC #1-163 RT: 0.00-1.99 AV: 163 NL: 8.22E4

T: - c Q3MS [69.00-669.00]



MC2349-20100408-DC #1-163 RT: 0.00-1.99 AV: 163 NL: 8.22E4

T: - c Q3MS [69.00-669.00]



MC2349 1H NMR in C3D60
Batch 20100408-DC



8.424
8.284

2.907
2.831
2.818
2.800
1.900
1.883
1.868
1.851
1.590
1.572
1.556
1.450
1.384
0.955

MC2349
NAME
EXPNO 1
PROCNO 1
Date_ 20100420
Time 14.39
INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zg30
TD 65536
SOLVENT Acetone
NS 512
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 294.5 K
D1 1.00000000 sec
TD0 1
===== CHANNEL f1 =====
NUC1 1H
P1 14.50 usec
PL1 -0.70 dB
PL1W 10.03411102 W
SF01 400.1324710 MHz
SI 32768
SF 400.1299812 MHz
WDW no
SSB 0
LB 0.00 Hz
GB 0
PC 1.00

