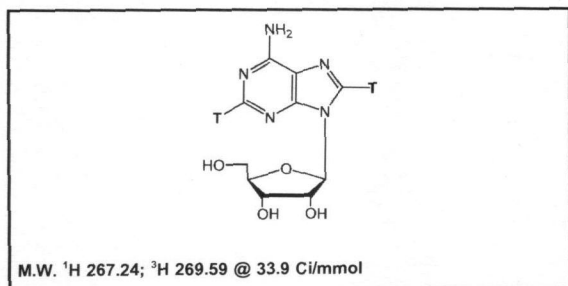




Product Data Sheet

MT-793

Adenosine, [2,8-³H]-



Lot #: 186-142-0339-A-20100917-TN

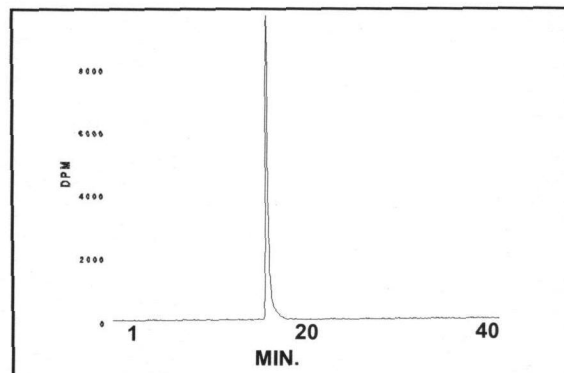
Specific Activity: 33.9 Ci/mmol

Concentration: 1.0 mCi/ml; 7.95 µg/ml

Packaged in: Sterile water solution

Date of Analysis: September 23, 2010

Radiochemical Purity: 99.9%



HPLC ANALYSIS LOT 186-142-0339-A-20100917-TN
File Name: int20694 Date and Time: 9/23/2010 1:53:05 PM
Unit 2 Radio

Peak #	Area %	Time	Area
1	100.00	16.02330	19017.19915
Totals	100.00		19017.19915

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.

MT-793

Adenosine, [2,8-³H]-

Lot 186-142-0339-A-20100917-TN

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

Concentrations and volumes:

Standard solution concentration was 0.5 mg/ml.

Adenosine, [2,8-³H]- concentration was 0.1 mCi/ml.

Volume of standard alone injection was 2.0 µl.

Volume of **Adenosine, [2,8-³H]-** alone injection was 2.0 µl.

Co-injection solution consisted of 1.5 µl **Adenosine, [2,8-³H]-** + 1.5 µl standard.

Volume of co-injection was 3.0 µl.

Volume of blank injection was 2.0 µl.

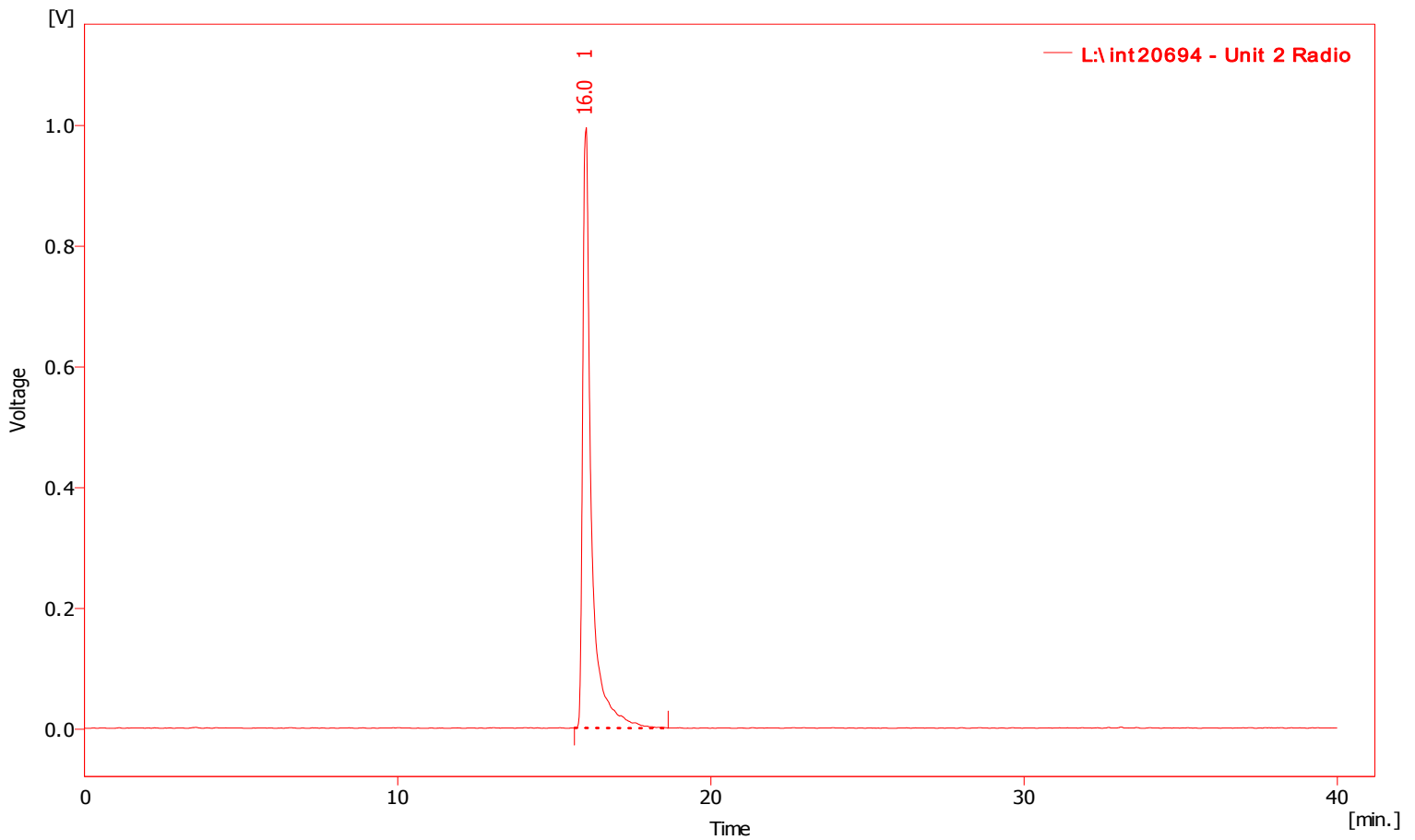
B) Mass spectrometry – Positive mode

C) NMR

MT-793
Adenosine, [2,8-3H]-
Lot 186-142-0339-A-20100917-TN

Chromatogram Info:

File Name	: L:\int20694	File Created	: 3/12/2014 3:16:10 PM
Origin	: Acquired, Acquisition started 9/23/2010 1:13:06 PM	Acquired Date	: 9/23/2010 1:53:05 PM
Project	: Test	By	: Administrator
Method	: Unit2-40minrun	By	: Administrator
Description	: Radiochemical trace of 3H material alone	Modified	: 3/12/2014 3:26 PM
Created	: 6/16/2007 8:19 AM	Detection	: Radiochemical
Column	:	Temperature	:
Mobile Phase	:	Pressure	:
Flow Rate	:	Note	:



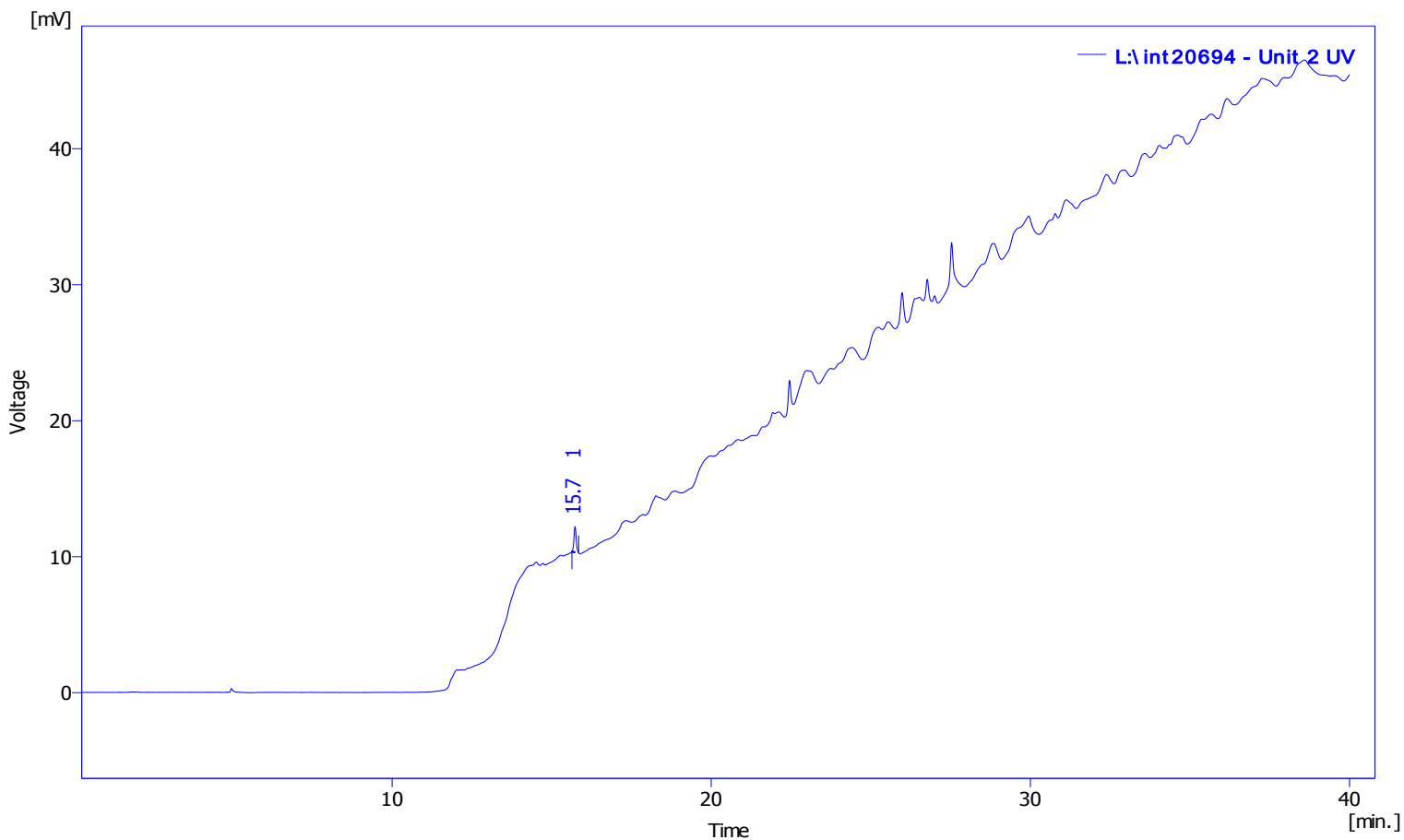
Result Table (Uncal - L:\int20694 - Unit 2 Radio)

	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		16.02	19017.199	994.47	100.00	100.00	24694.09	493881.79	1.98		
		Total	19017.199	994.47	100.00	100.00					

MT-793
Adenosine, [2,8-3H]-
Lot 186-142-0339-A-20100917-TN

Chromatogram Info:

File Name	: L:\int20694	File Created	: 3/12/2014 3:16:10 PM
Origin	: Acquired, Acquisition started 9/23/2010 1:13:06 PM	Acquired Date	: 9/23/2010 1:53:05 PM
Project	: Test	By	: Administrator
Method	: Unit2-40minrun	By	: Administrator
Description	: UV trace of 3H material alone	Modified	: 3/12/2014 3:22 PM
Created	: 6/16/2007 8:19 AM	Detection	: UV 259nm
Column	:	Temperature	:
Mobile Phase	:	Pressure	:
Flow Rate	:	Note	:



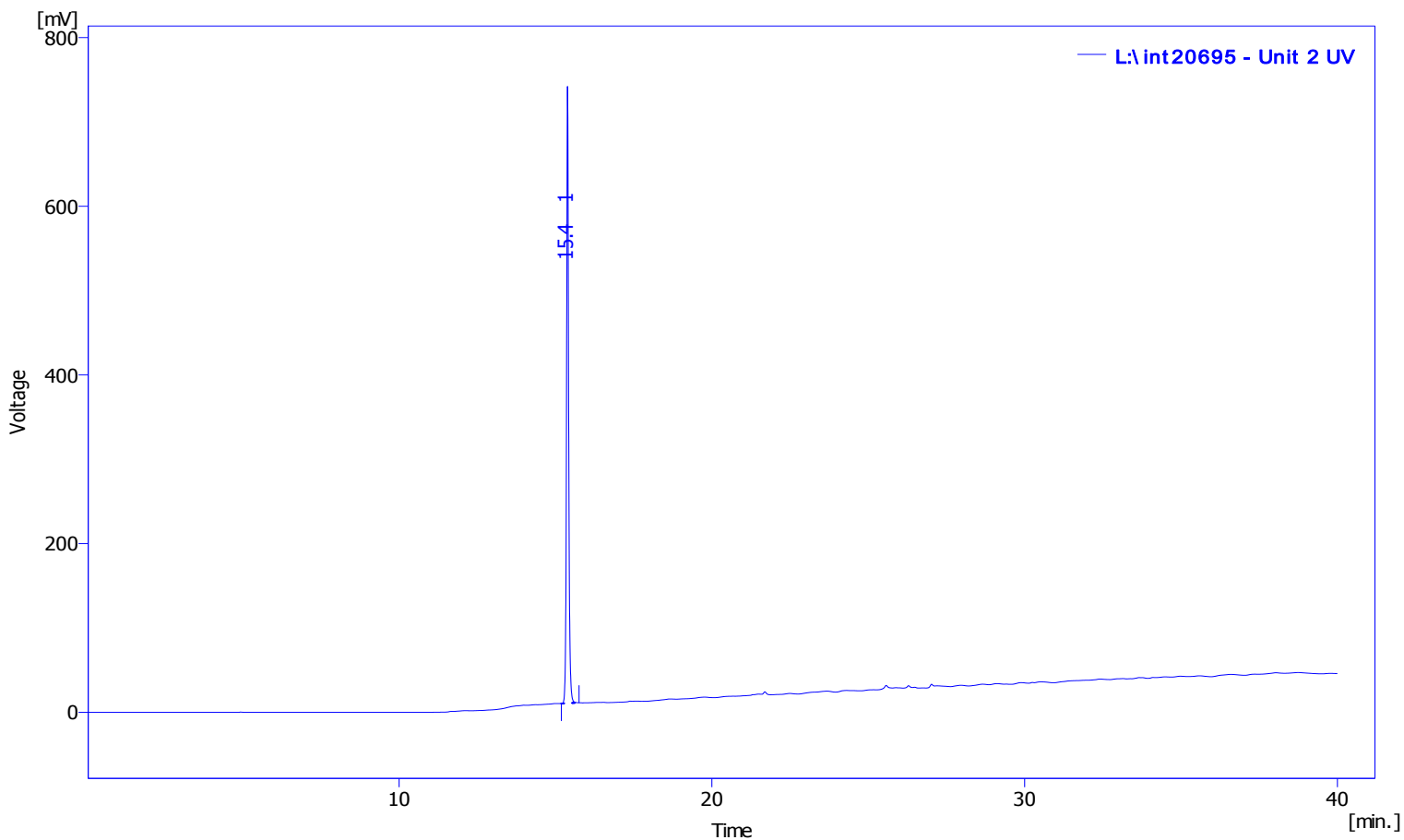
Result Table (Uncal - L:\int20694 - Unit 2 UV)

	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		15.73	9.438	1.89	100.00	100.00	214274.89	4285497.78	1.04		
		Total	9.438	1.89	100.00	100.00					

MT-793
Adenosine, [2,8-3H]-
Lot 186-142-0339-A-20100917-TN

Chromatogram Info:

File Name	: L:\int20695	File Created	: 3/12/2014 3:16:10 PM
Origin	: Acquired, Acquisition started 9/23/2010 3:03:26 PM	Acquired Date	: 9/23/2010 3:43:25 PM
Project	: Test	By	: Administrator
Method	: Unit2-40minrun	By	: Administrator
Description	: UV trace of standard material alone	Modified	: 3/12/2014 3:28 PM
Created	: 6/16/2007 8:19 AM	Detection	: UV 259nm
Column	:	Temperature	:
Mobile Phase	:	Pressure	:
Flow Rate	:	Note	:



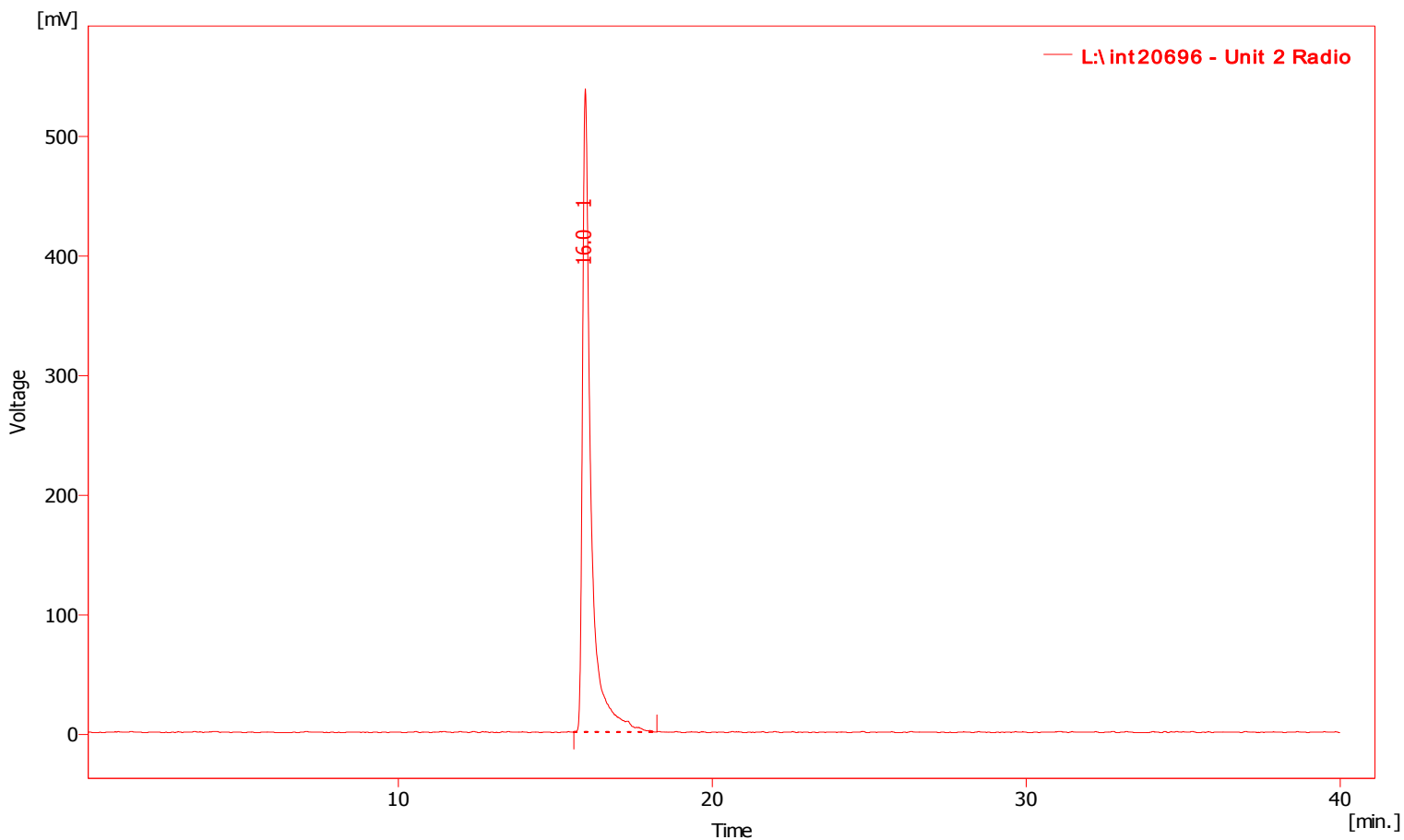
Result Table (Uncal - L:\int20695 - Unit 2 UV)

	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		15.38	3376.588	731.28	100.00	100.00	267555.93	5351118.66	1.15		
		Total	3376.588	731.28	100.00	100.00					

MT-793
Adenosine, [2,8-3H]-
Lot 186-142-0339-A-20100917-TN

Chromatogram Info:

File Name	: L:\int20696	File Created	: 3/12/2014 3:16:10 PM
Origin	: Acquired, Acquisition started 9/24/2010 10:54:09 AM	Acquired Date	: 9/24/2010 11:34:08 AM
Project	: Test	By	: Administrator
Method	: Unit2-40minrun	By	: Administrator
Description	: Radiochemical trace of 3H material co-injected with standard	Modified	: 3/12/2014 3:32 PM
Created	: 6/16/2007 8:19 AM		
Column	:	Detection	: Radiochemical
Mobile Phase	:	Temperature	:
Flow Rate	:	Pressure	:
Note	:		



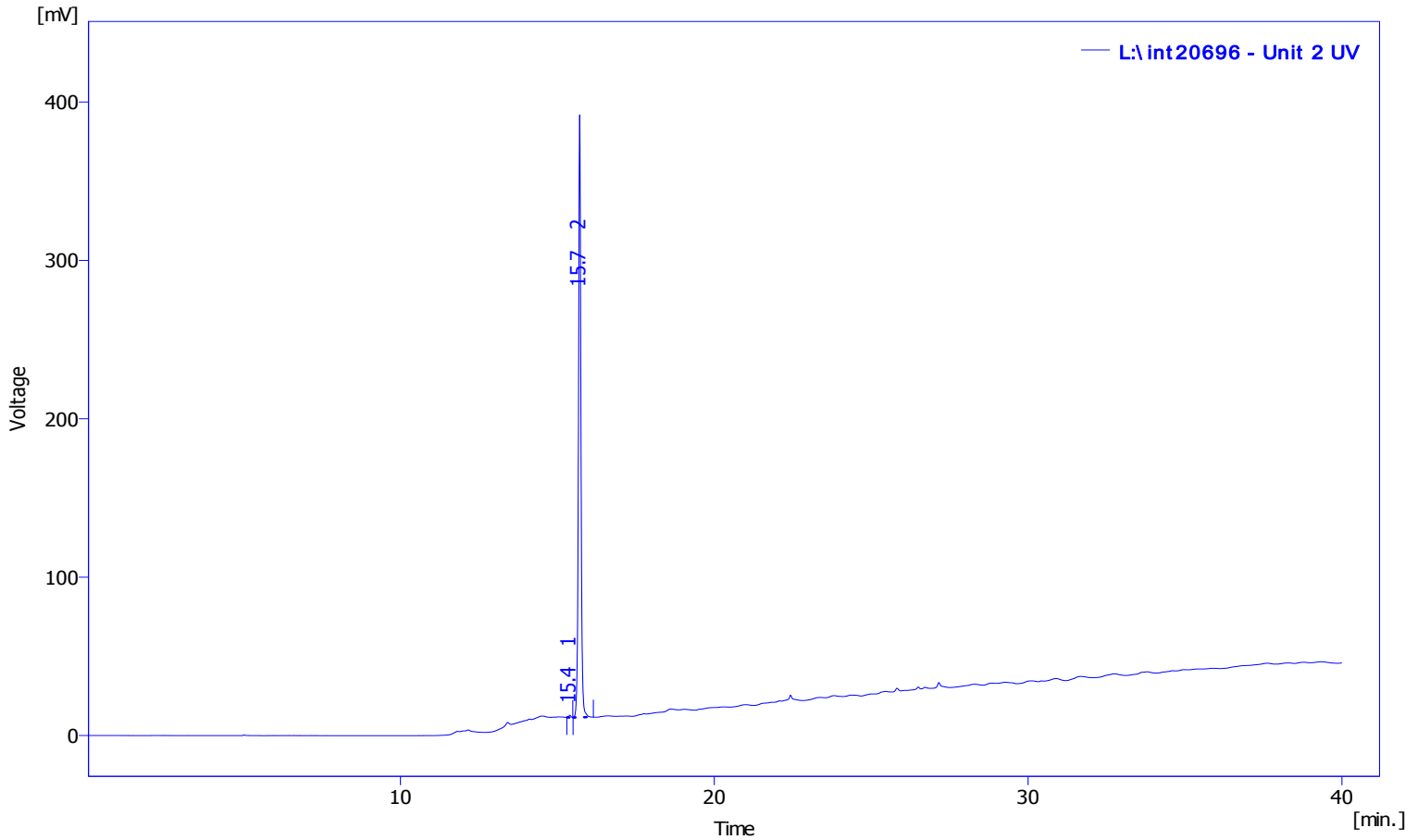
Result Table (Uncal - L:\int20696 - Unit 2 Radio)

	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		15.96	9973.224	537.49	100.00	100.00	25183.72	503674.45	2.20		
		Total	9973.224	537.49	100.00	100.00					

MT-793
Adenosine, [2,8-3H]-
Lot 186-142-0339-A-20100917-TN

Chromatogram Info:

File Name	: L:\int20696	File Created	: 3/12/2014 3:16:10 PM
Origin	: Acquired, Acquisition started 9/24/2010 10:54:09 AM	Acquired Date	: 9/24/2010 11:34:08 AM
Project	: Test	By	: Administrator
Method	: Unit2-40minrun	By	: Administrator
Description	: UV trace of 3H material co-injected with standard	Modified	: 3/12/2014 3:31 PM
Created	: 6/16/2007 8:19 AM	Detection	: UV 259nm
Column	:	Temperature	:
Mobile Phase	:	Pressure	:
Flow Rate	:	Note	:



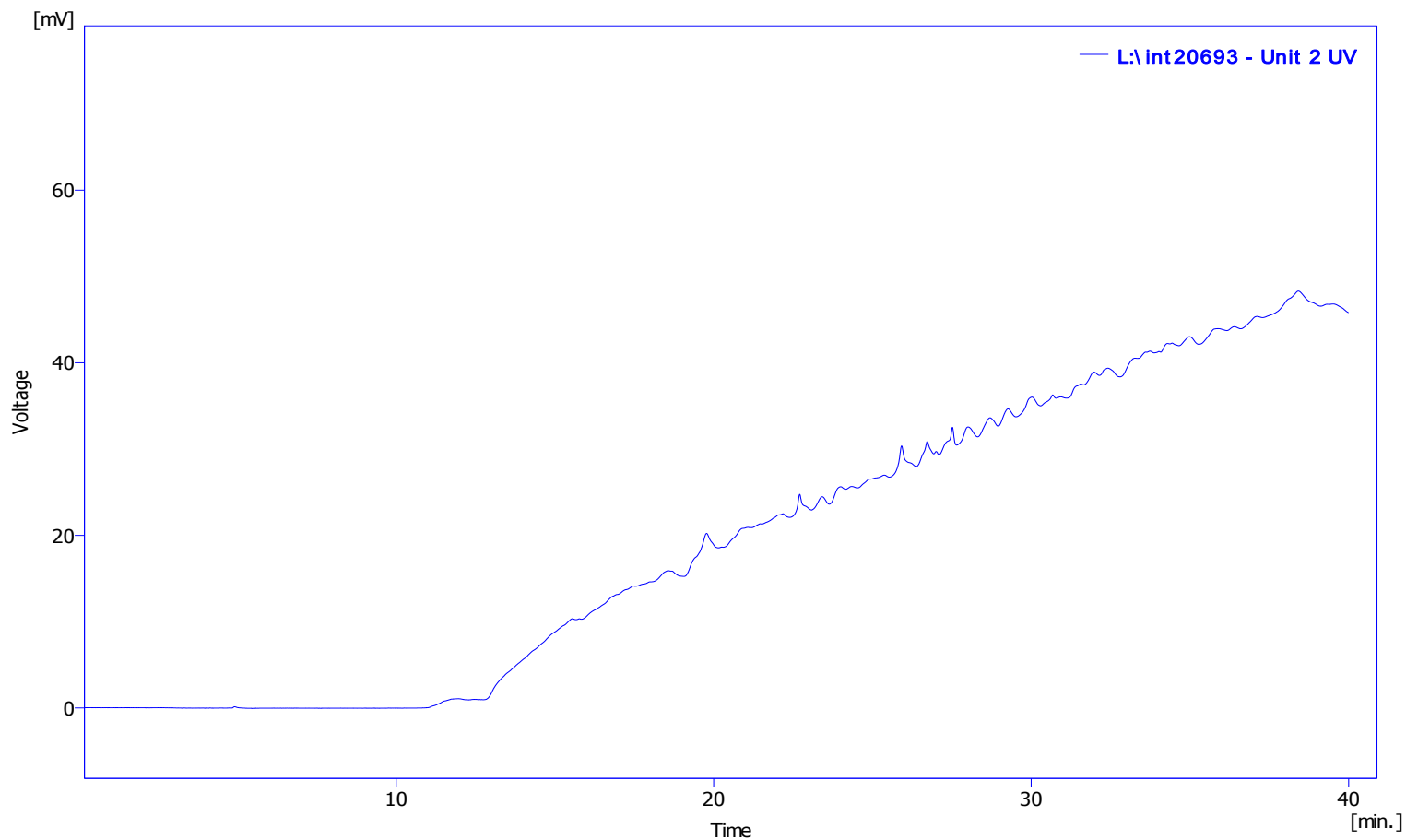
Result Table (Uncal - L:\int20696 - Unit 2 UV)

	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		15.40	6.271	1.37	0.30	0.36	244208.25	4884164.96	0.98		
2		15.71	2058.689	380.49	99.70	99.64	196890.44	3937808.78	1.05		2.4
		Total	2064.961	381.86	100.00	100.00					

MT-793
Adenosine, [2,8-3H]-
Lot 186-142-0339-A-20100917-TN

Chromatogram Info:

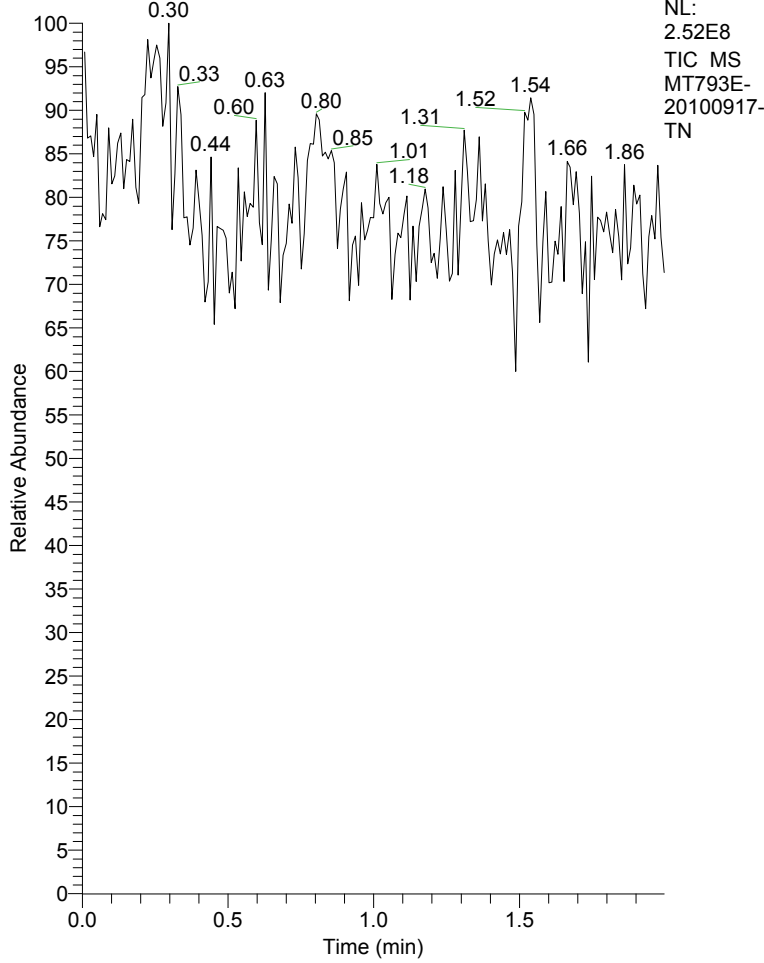
File Name	: L:\int20693	File Created	: 3/12/2014 3:16:10 PM
Origin	: Acquired, Acquisition started 9/23/2010 11:42:33 AM	Acquired Date	: 9/23/2010 12:22:32 PM
Project	: Test	By	: Administrator
Method	: Unit2-40minrun	By	: Administrator
Description	: UV trace of blank injection	Modified	: 3/12/2014 3:34 PM
Created	: 6/16/2007 8:19 AM		
Column	:	Detection	: UV 259nm
Mobile Phase	:	Temperature	:
Flow Rate	:	Pressure	:
Note	:		



Result Table (Uncal - L:\int20693 - Unit 2 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 - 2.00



NL:
2.52E8
TIC MS
MT793E-
20100917-
TN

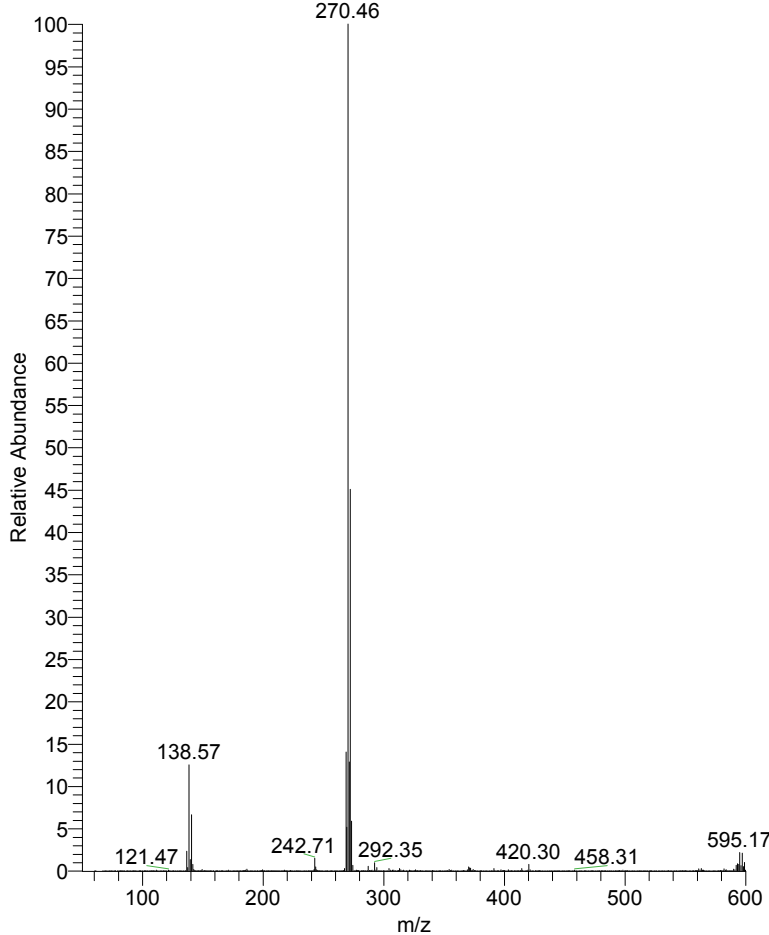
MT793-20100917-TN #1-193 RT: 0.01-2.00

T: + c NSI Full ms [50.00-600.00]

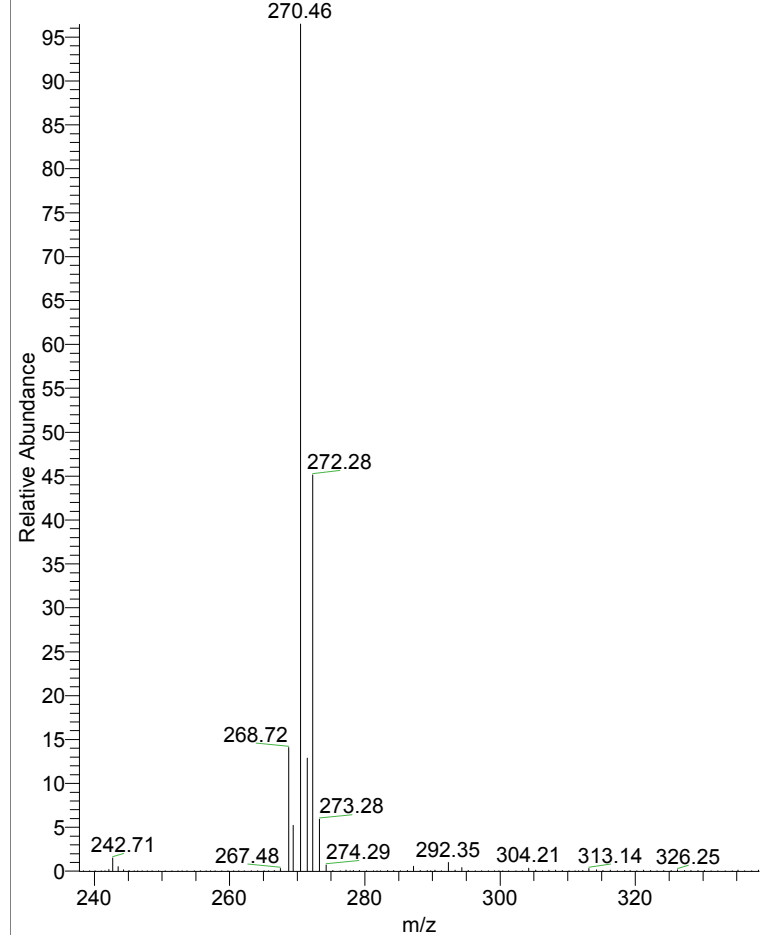
m/z = 260.70-291.05

m/z	Intensity	Relative
267.48	228583.7	0.28
268.72	11627081.2	14.05
269.38	4282507.7	5.18
270.46	82736528.6	100.00
271.49	10643124.0	12.86
272.28	37303206.7	45.09
273.28	4863213.0	5.88
274.29	542865.9	0.66
275.26	39769.6	0.05
276.35	22093.5	0.03
277.19	83310.7	0.10
277.80	208.0	0.00
278.32	37503.2	0.05
279.21	54247.0	0.07
280.25	14043.8	0.02
281.27	16310.1	0.02
281.78	159.2	0.00
282.29	12743.4	0.02
283.34	33738.4	0.04
284.28	51544.2	0.06
285.26	28392.0	0.03
286.29	45395.4	0.05
287.17	444846.3	0.54
288.19	54819.6	0.07

MT793-20100917-TN #1-193 RT: 0.01-2.00 AV: 193 NL: 8.27E7
T: + c NSI Full ms [50.00-600.00]



MT793-20100917-TN #1-193 RT: 0.01-2.00 AV: 193 NL: 8.27E7
T: + c NSI Full ms [50.00-600.00]



MT793 3H NMR in MeOD
Batch 20100917-TN



BRUKER

8.218
8.358
8

NAME MT793-201000917-TN
EXPNO 1
PROCNO 1
Date_ 20100924
Time_ 15.49
INSTRUM spect
PROBHD 5 mm DUX 3H-1H
PULPROG zg
TD 16384
SOLVENT MeOD
NS 4681
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
TD0 1

==== CHANNEL f1 =====
NUC1 3H
P1 10.00 usec
PL1 2.00 dB
SF01 320.1321857 MHz
SI 32768
SF 320.1305850 MHz
WDW no
SSB 0
LB 0.00 Hz
GB 0
PC 1.00

