



TCG Lifesciences Ltd.

Enabling Translational Medicine

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ANALYTICAL REPORT

Batch No : CR302-5625-98-P1
Project Code : CR302
Submitted by : Narasimha Reddy
Submission Date : 20th June 12
Report release Date : 20th June 12
Report No : 4940/12
Reference No : PC/20.06.12/833

1. Description : Off White Solid

2. Solubility : DMSO

3. Identification

By NMR: Complies (1H)

By Mass: Complies [M+H] : 360

4. Chromatographic Purity

Qualitative by UPLC

(% by Area Normalization)

At wavelength ($\lambda_{200 \text{ nm}}$) : 93.68 %

Prepared by

Checked by

SAMPLE ID : CR302-5625-98-P1

COLUMN: ZORBAX SB C18 (4.6 X 50mm), 1.8 μ , Diluent : MEOH

Mobile phase D) 0.05% TFA in water, Mobile phase B) ACN

Peak #	RT [min]	Area	Area %
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*** End of Report ***

SAMPLE ID : CR302-5625-98-P1

COLUMN: ZORBAX SB C18 (4.6 X 50mm), 1.8 μ , Diluent : MEOH

Mobile phase D) 0.05% TFA in water, Mobile phase B) ACN

Signal 0 :DAD1 A, Sig=200,4 Ref=off

Peak	RT	Area	Area %
#	[min]		
----	-----	-----	-----
1	5.13	6.23	0.20
2	5.27	5.45	0.18
3	5.47	7.49	0.25
4	5.72	26.81	0.88
5	6.04	3.70	0.12
6	6.23	3.93	0.13
7	6.56	4.06	0.13
8	6.89	30.02	0.99
9	7.13	2853.22	93.68
10	7.28	6.02	0.20
11	7.37	15.88	0.52
12	7.46	5.00	0.16
13	7.95	69.66	2.29
14	8.03	8.13	0.27

Signal 0 :DAD1 B, Sig=220,4 Ref=off

Peak	RT	Area	Area %
#	[min]		
----	-----	-----	-----
1	3.40	1.34	0.11
2	4.02	1.60	0.13
3	5.13	6.24	0.49
4	5.47	9.54	0.75
5	5.72	17.10	1.34
6	5.92	6.74	0.53
7	6.04	1.49	0.12
8	6.55	5.29	0.42
9	6.69	1.57	0.12
10	6.89	9.30	0.73
11	6.99	1.98	0.16
12	7.13	1172.01	92.14
13	7.28	2.50	0.20
14	7.37	16.54	1.30
15	7.46	2.31	0.18
16	7.95	11.46	0.90
17	8.04	4.91	0.39

Signal 0 :DAD1 E, Sig=260,4 Ref=off

Peak	RT	Area	Area %
#	[min]		
----	-----	-----	-----
1	5.13	2.44	0.18
2	5.47	8.33	0.61
3	5.72	6.44	0.47
4	5.84	2.70	0.20
5	5.92	1.37	0.10
6	6.56	4.04	0.30
7	6.88	6.28	0.46
8	7.13	1318.38	96.34
9	7.28	1.64	0.12
10	7.37	6.86	0.50
11	7.46	2.15	0.16
12	7.76	1.39	0.10
13	7.95	1.38	0.10
14	8.03	5.08	0.37

SAMPLE ID : CR302-5625-98-P1

COLUMN: ZORBAX SB C18 (4.6 X 50mm), 1.8 μ , Diluent : MEOH

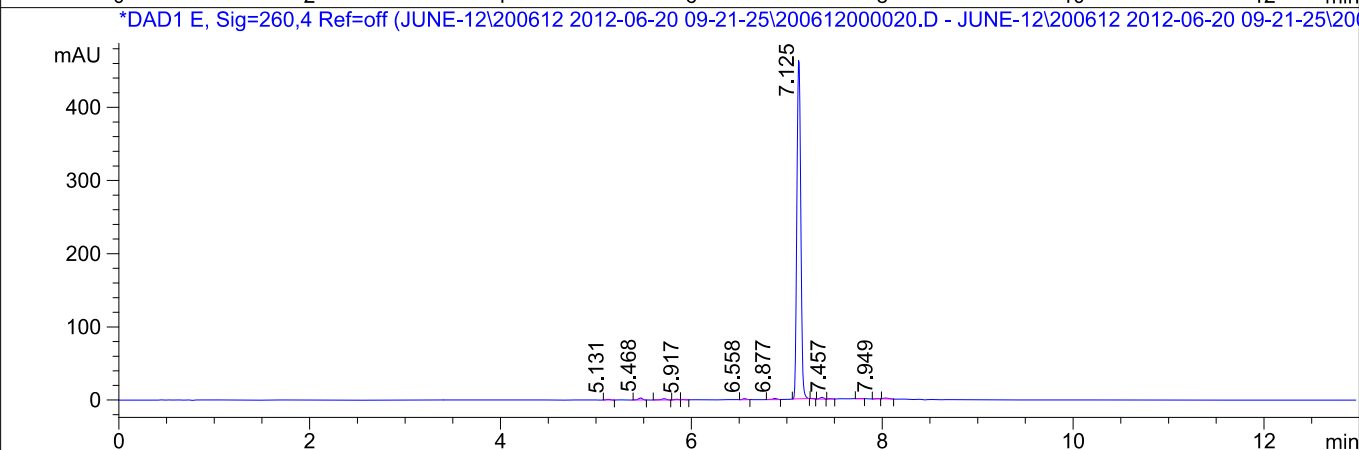
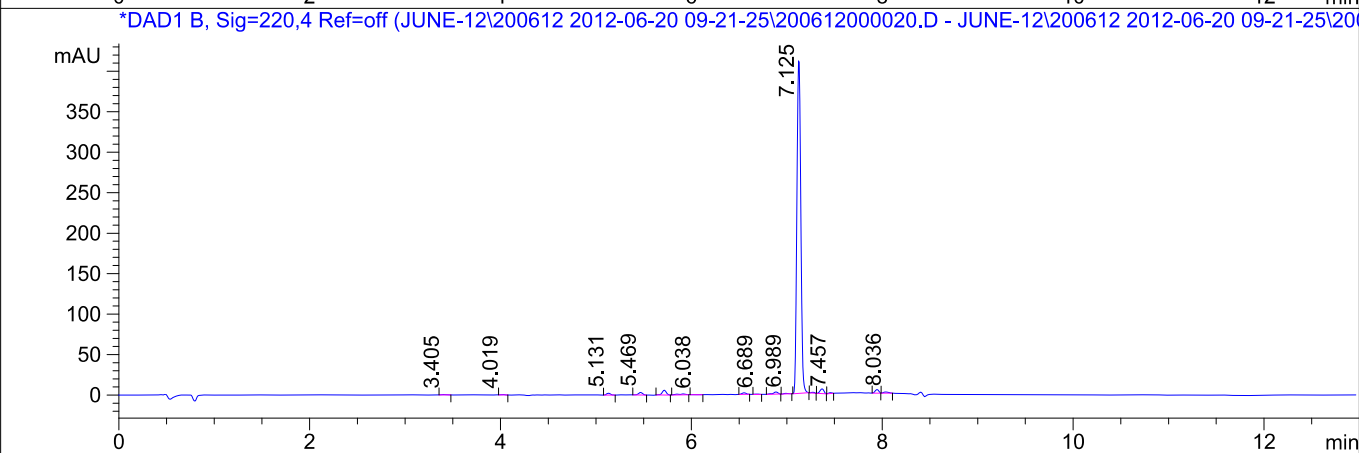
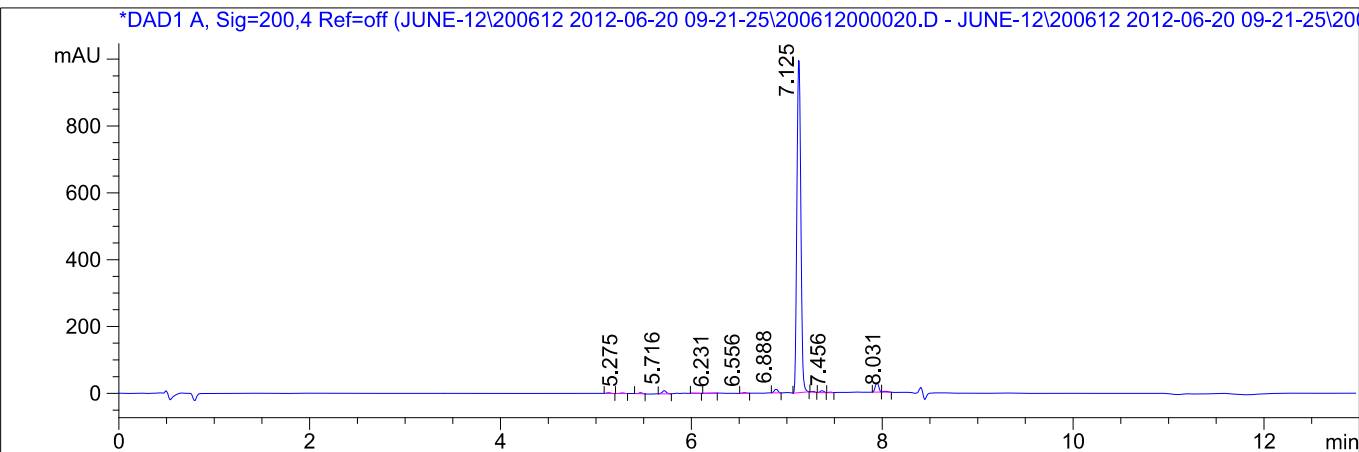
Mobile phase D) 0.05% TFA in water, Mobile phase B) ACN

Injection Date	: 6/20/2012	2:07:33 PM	Location	:	Vial 75
Sample Name	: CR302-5625-98-P1		Inj. No.	:	1
Acq Operator	: PRIYA CHANDRA		Inj. Vol.	:	6 μ l

Analysis Method : C:\CHEM32\1\METHODS\GEN-1.M
Last Changed : Wed, 20. Jun. 2012, 01:10:23 pm
(modified after loading)

Acq. Method : C:\Chem32\1\DATA\JUNE-12\200612 2012-06-20 09-21-25\GEN-P4.M

Ref : PC/20-06-12/833



CR302-5625-98-P1 IN DMSO

TCGLS/ARD/NMR01/K01

Current Data Parameters

NAME CR302-5625-98-P1

EXPNO 1

PROCNO 1

F2 - Acquisition Parameters

Date_ 20120620

Time 12.15

INSTRUM spect

PROBHD 5 mm DUL 13C-1

PULPROG zgpg30

SOLVENT DMSO

NS 32

DS 4

SWH 8012.620 Hz

FIDRES 0.244532 Hz

RG 2.0462731 sec

AQ 203

DWT 62.400 usec

DE 0.00 usec

TE 300.0 K

TD 1.00000000 sec

D0 1

===== CHANNEL f1 =====

NUC1 13C

PL1 14.50 usec

PL1 -1.00 dB

SFO1 62.5130516 MHz

SFO1 400.1324710 MHz

===== Processing parameters =====

SF 400.1300037 MHz

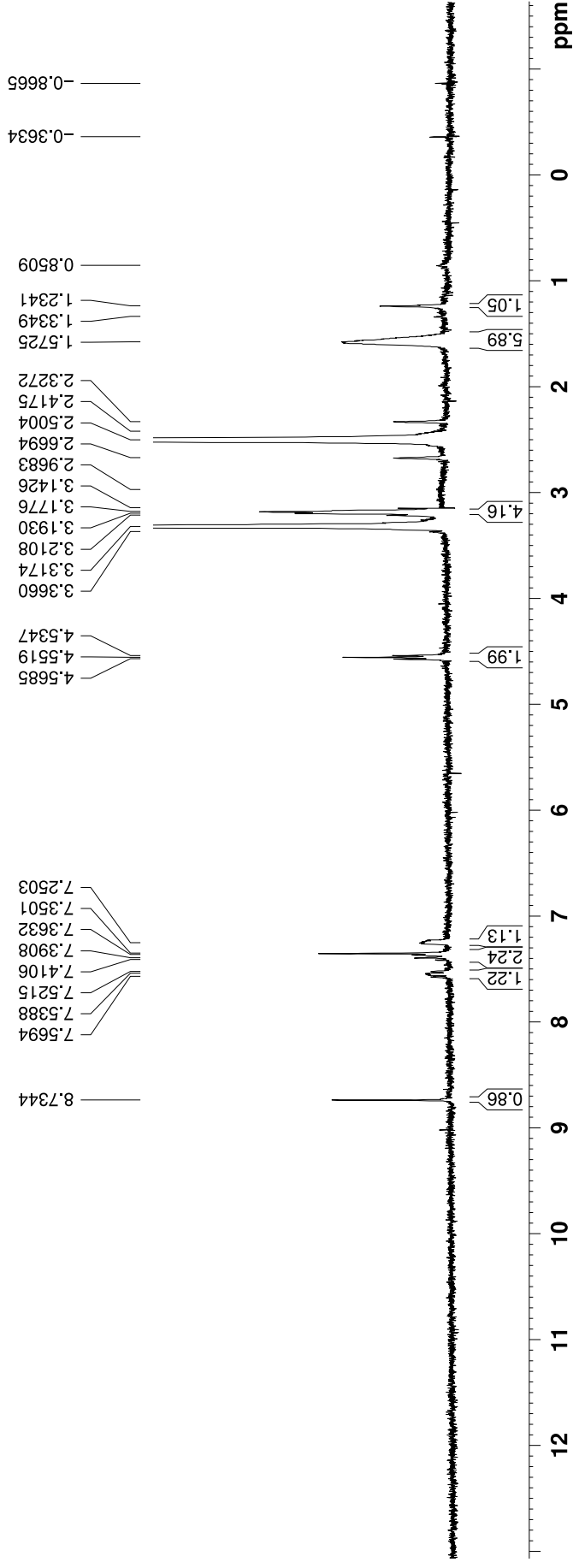
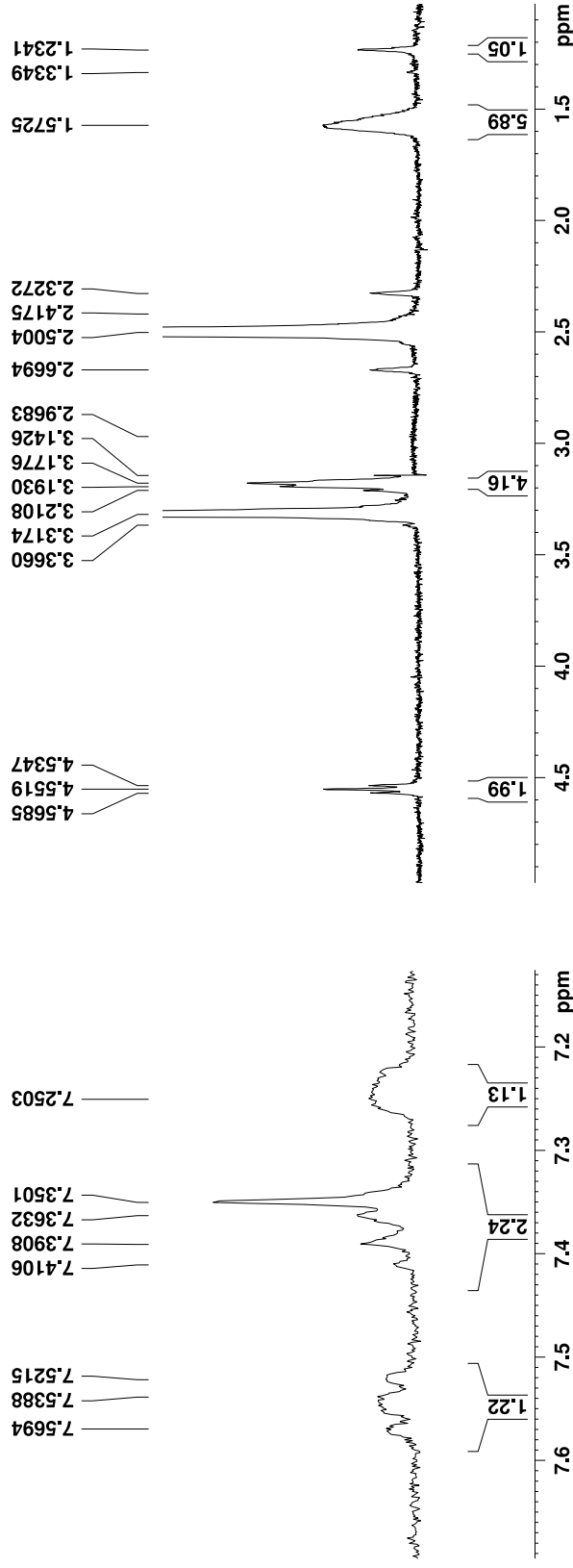
WDW EM

SSB 0

LB 0.30 Hz

GB 0

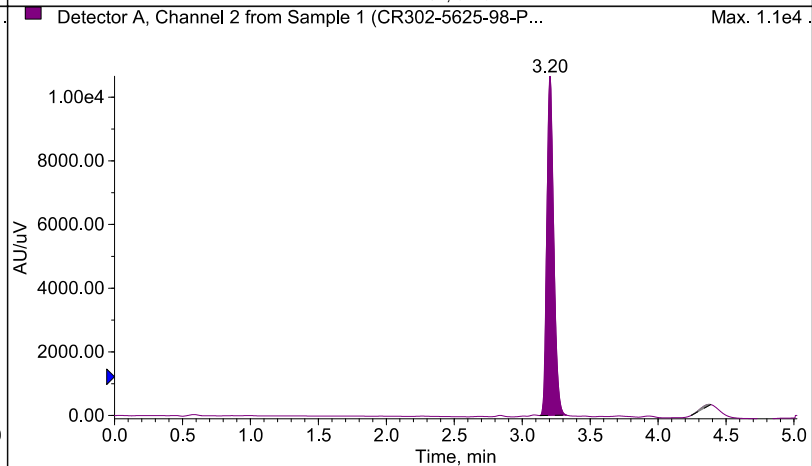
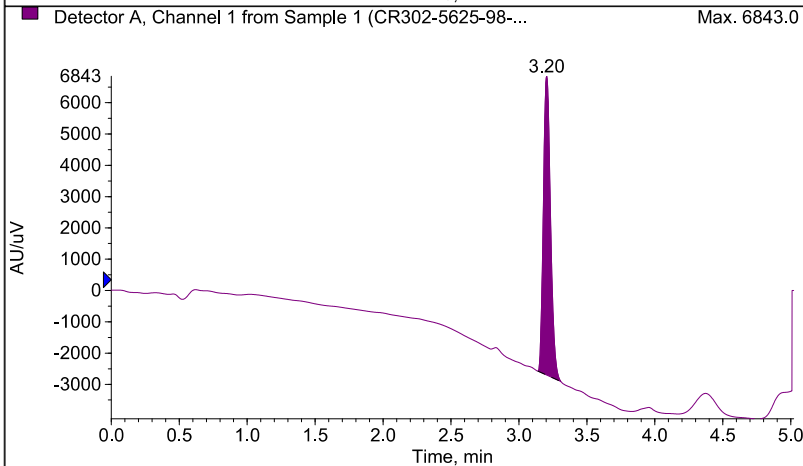
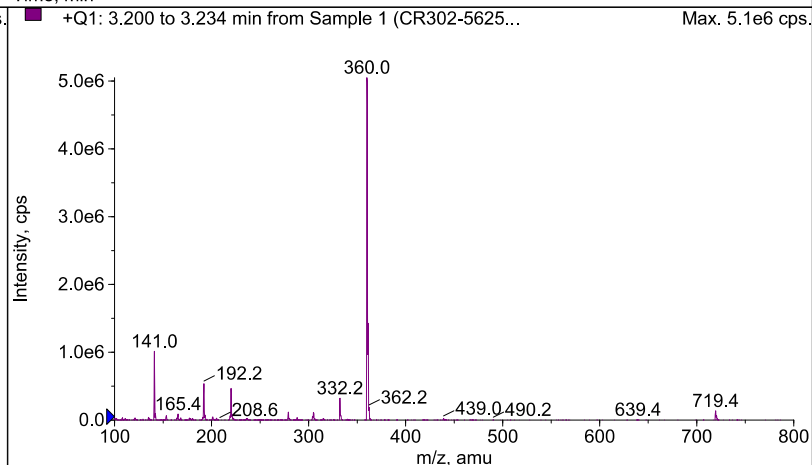
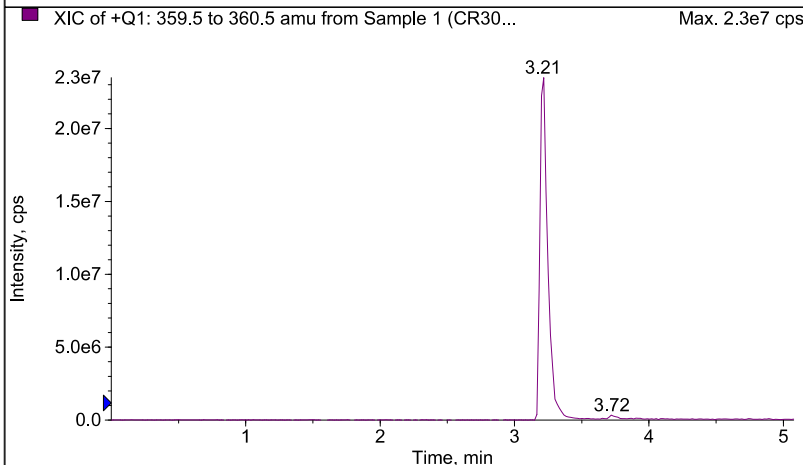
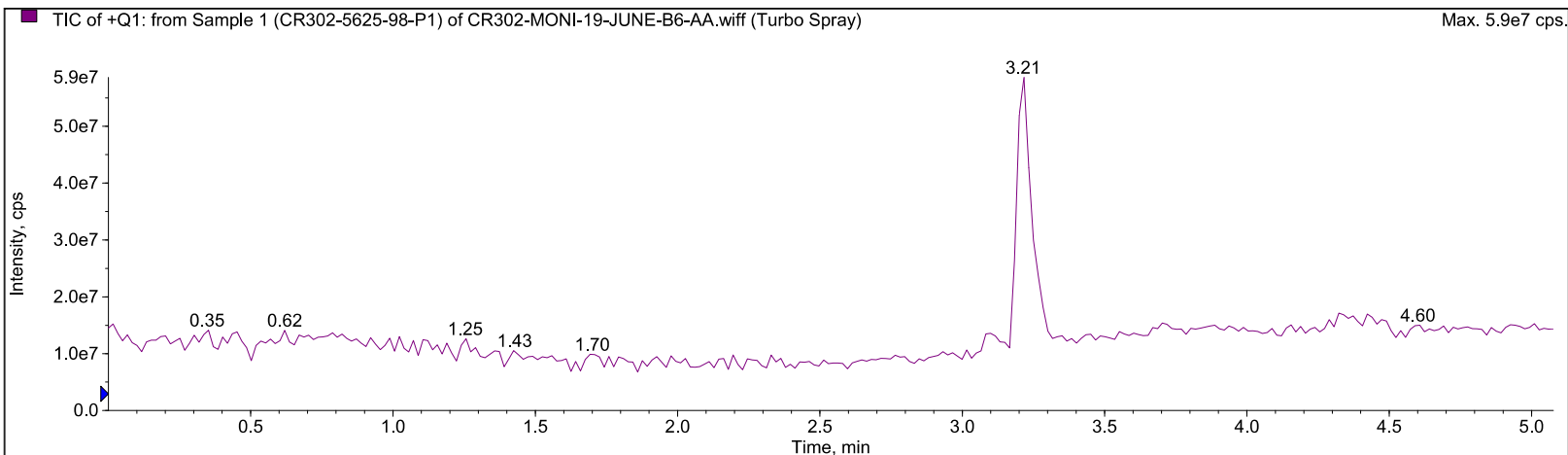
PC 1.00



Sample Name: CR302-5625-98-P1

Acq. Time: 01:48

Acq. Date: Wednesday, June 20, 2012



Peak List for "Detector A, Channel 1 from Sample 1 (CR302-5625-98-P1) of CR302-MONI-19-JUNE-B6-AA.wiff (Turbo Spray)"

	Time (min)	Area (counts)	%Area	Height	%Height
1	3.2037	3.4710e4	100.000	9544.0440	100.0000

Peak List for "Detector A, Channel 2 from Sample 1 (CR302-5625-98-P1) of CR302-MONI-19-JUNE-B6-AA.wiff (Turbo Spray)"

	Time (min)	Area (counts)	%Area	Height	%Height
1	3.2041	3.7497e4	99.1737	1.0658e4	99.6647
2	4.3742	312.4338	0.8263	35.8568	0.3353

LCMS MONITORING SAMPLE

ACN:NH4OAc

TCGLS/ARD/LCMS08/K42

Channel 1 at wavelength 220 nm,
Channel 2 at wavelength 260 nm

Column: ZORBAX EXTEND C18 (50x4.6mm) ,5μ

Analyzed by