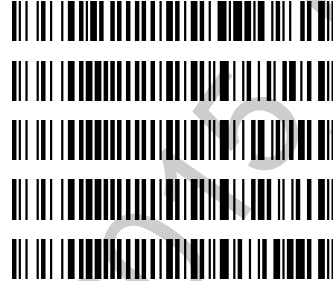


7/22/2015

Worklist: 779

<u>LAB CASE</u>	<u>ITEM</u>	<u>TASK ID</u>	<u>DESCRIPTION</u>
M2015-1818	1	38023	3.10.3 Blood confirmation of co
P2015-1490	1	38024	3.10.3 Blood confirmation of co
P2015-1493	1	38025	3.10.3 Blood confirmation of co
P2015-1494	1	38030	3.10.3 Blood confirmation of co
P2015-1496	1	38031	3.10.3 Blood confirmation of co



Reviewed by DND on 07/29/2015.

Reviewed by Anne Nord on 7/29/15

POC_AM 3.10.3_07152015_CDS

7/15/15
CDS

Simulate Run Sequence Wed Jul 15 14:21:41 2015

Instrument Name: Probie
Sequence File: C:\msdchem\1\sequence\CS-Op071515.s
Comment:
Operator: C Shrum
Data Path: C:\MSDCHEM\1\DATA\CDS\2015\071515 OP\
Method Path: C:\MSDCHEM\1\METHODS\

Line	Type	Vial	DataFile	Method	Sample Name
1)	Sample	100	Pre-run Solvent Blank		
	Datafile		Pre-runSolventBlk		
	Method		AM-3-10-3-3		
2)	Sample	6	750ng/mL Positive Control		
	Datafile		Pre-runPC-FS		
	Method		AM3-10-3-FS		
3)	Sample	6	750ng/mL Positive Control		
	Datafile		Pre-runPC		
	Method		AM-3-10-3-3		
4)	Sample	99	Pre-run Solvent Blank		
	Datafile		Pre-BlankSolventBlk		
	Method		AM-3-10-3-3		
5)	Sample	1	Negative Whole Blood Utak Lot B0689		
	Datafile		NegativeWholeBlood		
	Method		AM-3-10-3-3		
6)	Sample	1	Negative Whole Blood Utak Lot B0689		
	Datafile		NegativeWholeBlood-FS		
	Method		AM3-10-3-FS		
7)	Sample	2	Calibrator Level 1: 25ng/mL		
	Datafile		CalLevel-1-25		
	Method		AM-3-10-3-3		
8)	Sample	3	Calibrator Level 2: 50ng/mL		
	Datafile		CalLevel-2-50		
	Method		AM-3-10-3-3		
9)	Sample	4	Calibrator Level 3: 100ng/mL		
	Datafile		CalLevel-3-100		
	Method		AM-3-10-3-3		
10)	Sample	98	Solvent Blank		
	Datafile		SolventBlk		
	Method		AM-3-10-3-3		
11)	Sample	97	Lab No.: M2015-1818-1 Blank		
	Datafile		M2015-1818-1 Blank		
	Method		AM3-10-3-FS		
12)	Sample	7	Lab No.: M2015-1818-1		
	Datafile		M2015-1818-1		
	Method		AM-3-10-3-3		
13)	Sample	7	Lab No.: M2015-1818-1		
	Datafile		M2015-1818-1 FS		
	Method		AM3-10-3-FS		
14)	Sample	96	Lab No.: P2015-1490-1 Blank		
	Datafile		P2015-149-1 BLK		
	Method		AM3-10-3-FS		
15)	Sample	8	Lab No.: P2015-1490-1		
	Datafile		P2015-1490-1		
	Method		AM-3-10-3-3		
16)	Sample	8	Lab No.: P2015-1490-1		

POC-AM3

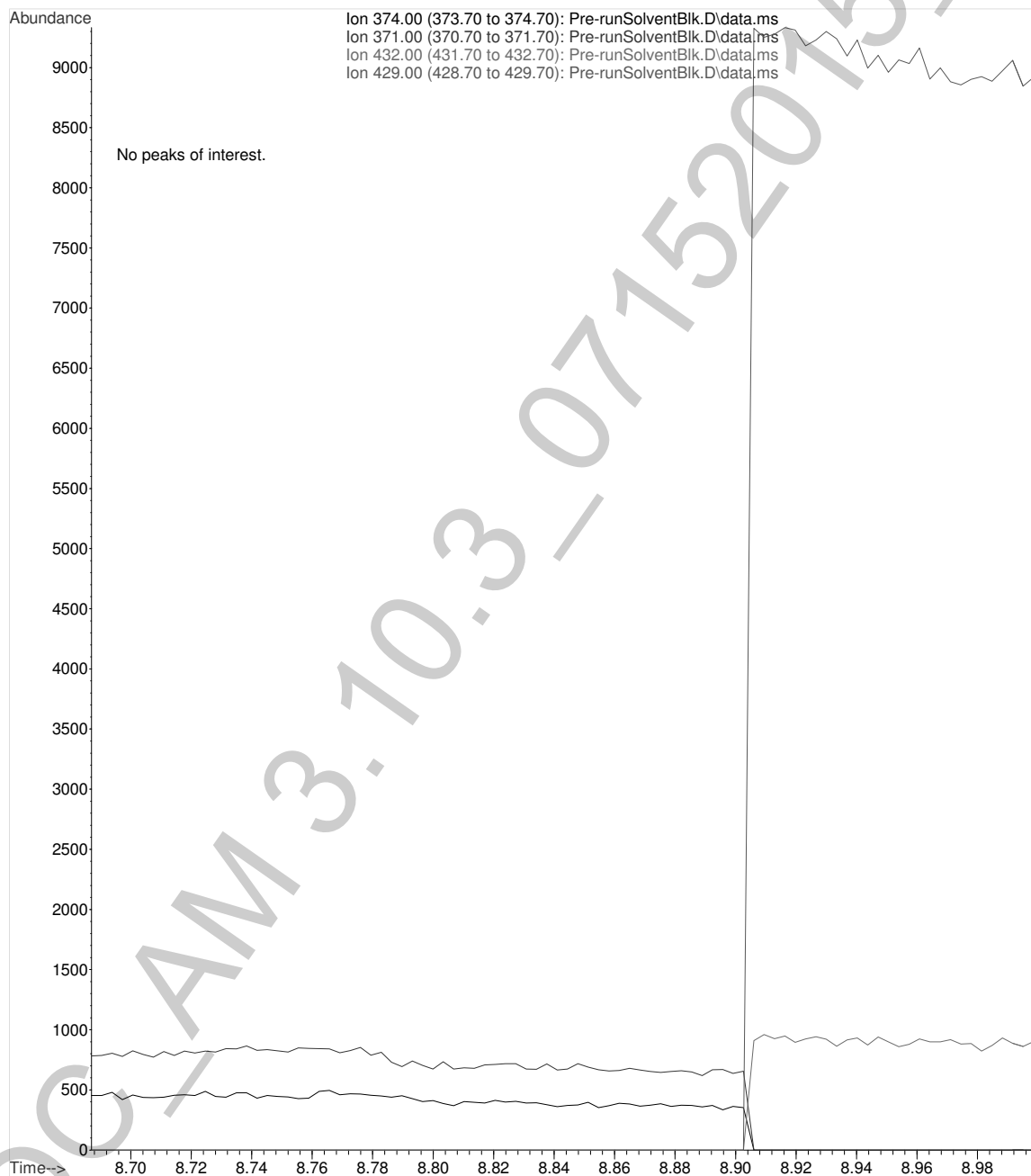
7/15/15

g

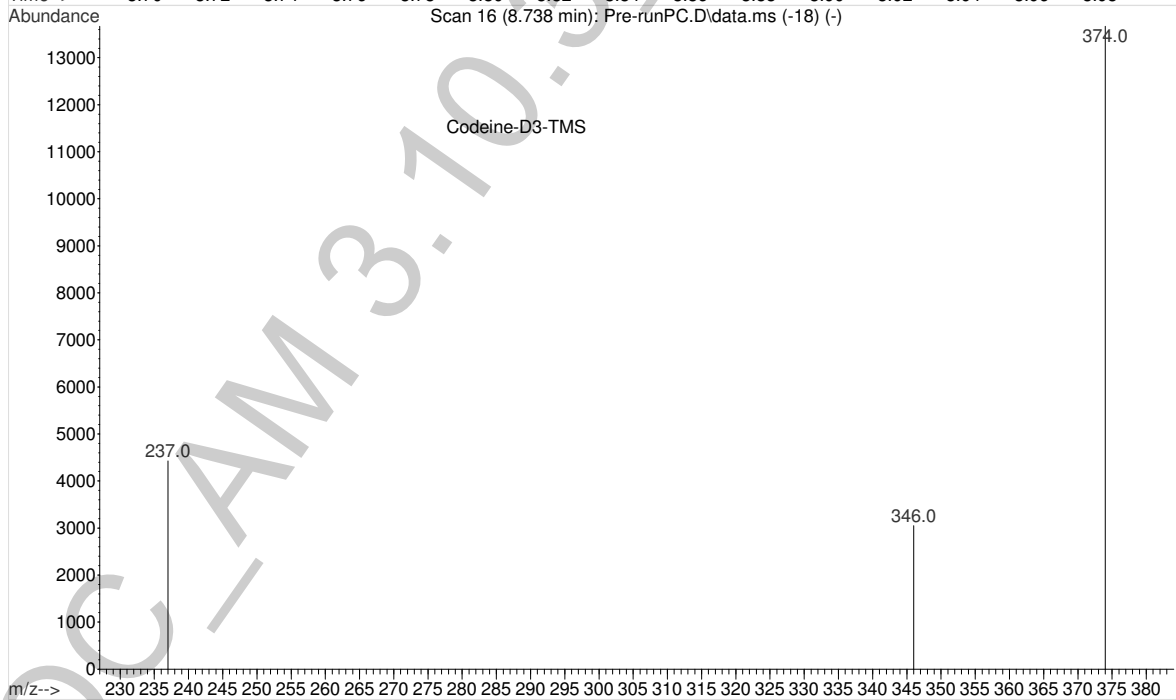
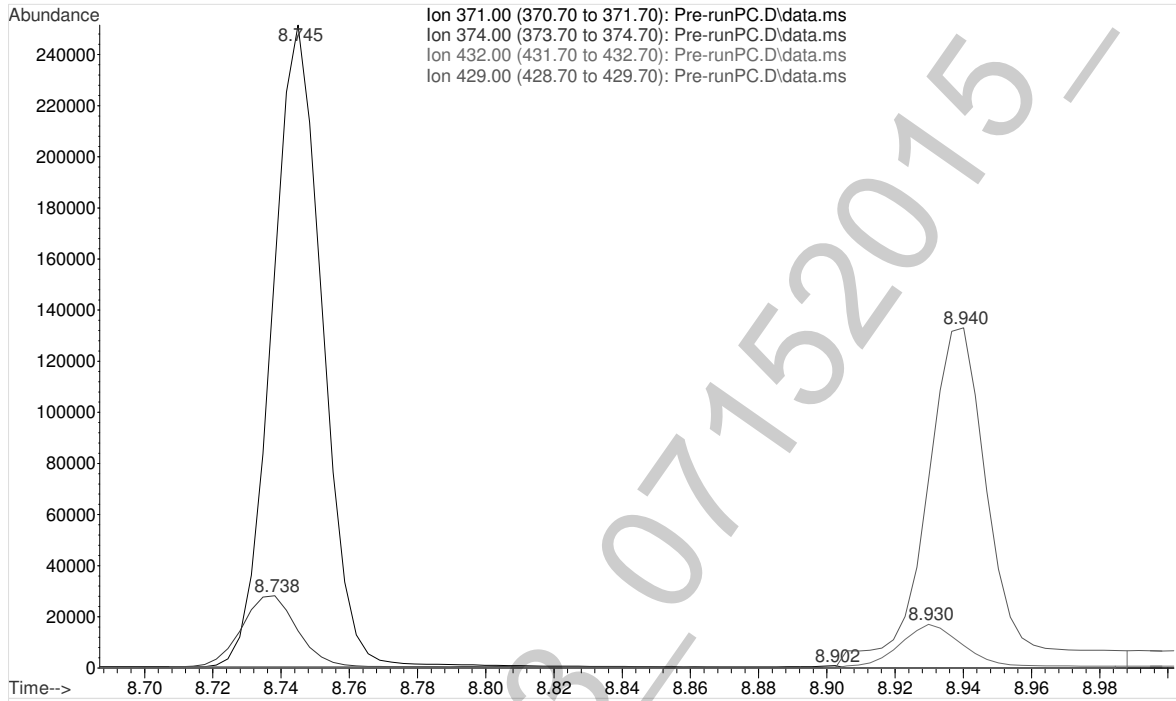
Datafile P2015-1490-1 FS
Method AM3-10-3-FS
17) Sample 6 750ng/mL Positive Control
Datafile PC-750-1
Method AM-3-10-3-3
18) Sample 95 Lab No.: P2015-1493-1 Blank
Datafile P2015-1493-1 BLK
Method AM3-10-3-FS
19) Sample 9 Lab No.: P2015-1493-1
Datafile P2015-1493-1
Method AM-3-10-3-3
20) Sample 9 Lab No.: P2015-1493-1
Datafile P2015-1493-1 FS
Method AM3-10-3-FS
21) Sample 94 Lab No.: P2015-1494-1 Blank
Datafile P2015-1494-1 BLK
Method AM3-10-3-FS
22) Sample 10 Lab No.: P2015-1494-1
Datafile P2015-1494-1
Method AM-3-10-3-3
23) Sample 10 Lab No.: P2015-1494-1
Datafile P2015-1494-1 FS
Method AM3-10-3-FS
24) Sample 93 Solvent Blank
Datafile SolventBlk2
Method AM-3-10-3-3
25) Sample 5 75ng/mL Positive Control
Datafile PC-75-1
Method AM-3-10-3-3
26) Sample 92 Solvent Blank
Datafile SolventBlk3
Method AM-3-10-3-3
27) Sample 91 Lab No.: P2015-1496-1 Blank
Datafile P2015-1496-1 BLK
Method AM3-10-3-FS
28) Sample 11 Lab No.: P2015-1496-1
Datafile P2015-1496-1
Method AM-3-10-3-3
29) Sample 11 Lab No.: P2015-1496-1
Datafile P2015-1496-1 FS
Method AM3-10-3-FS
30) Sample 90 Post-run Solvent Blank
Datafile Post-Blank
Method AM-3-10-3-3
Bytes Needed: 18701820 Space on drive C: 4.2965e+011
Sequence Verification Done!

POC_AM3-10-3-3-07152015_CDS

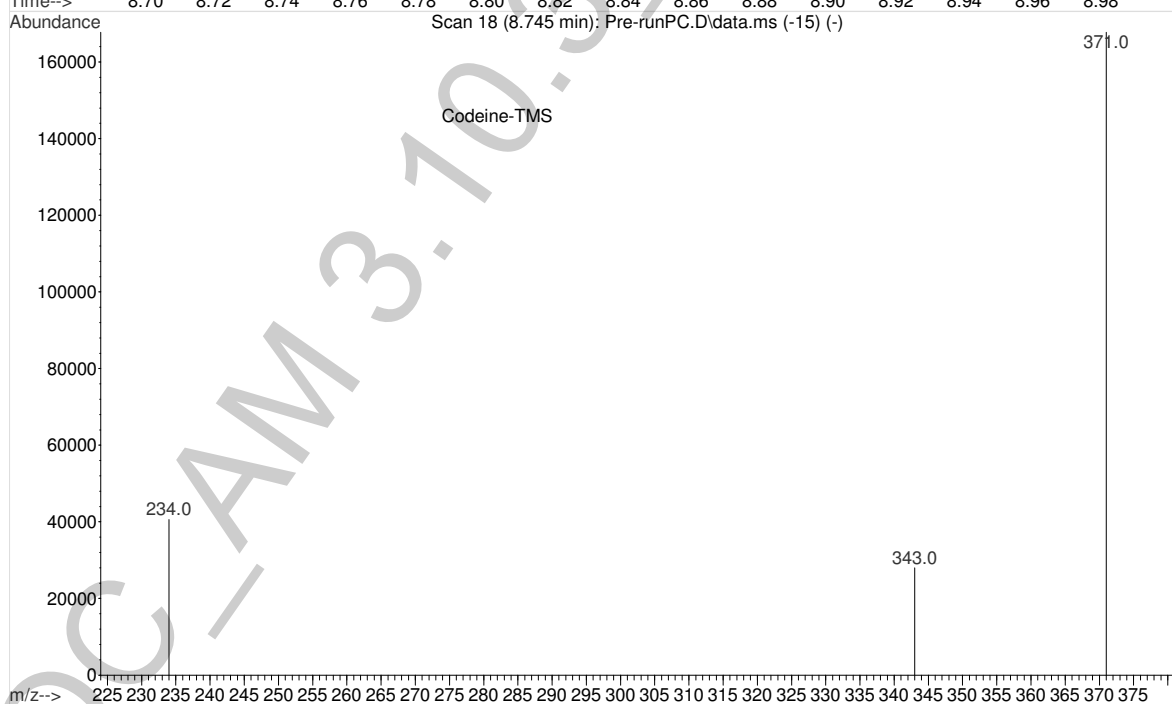
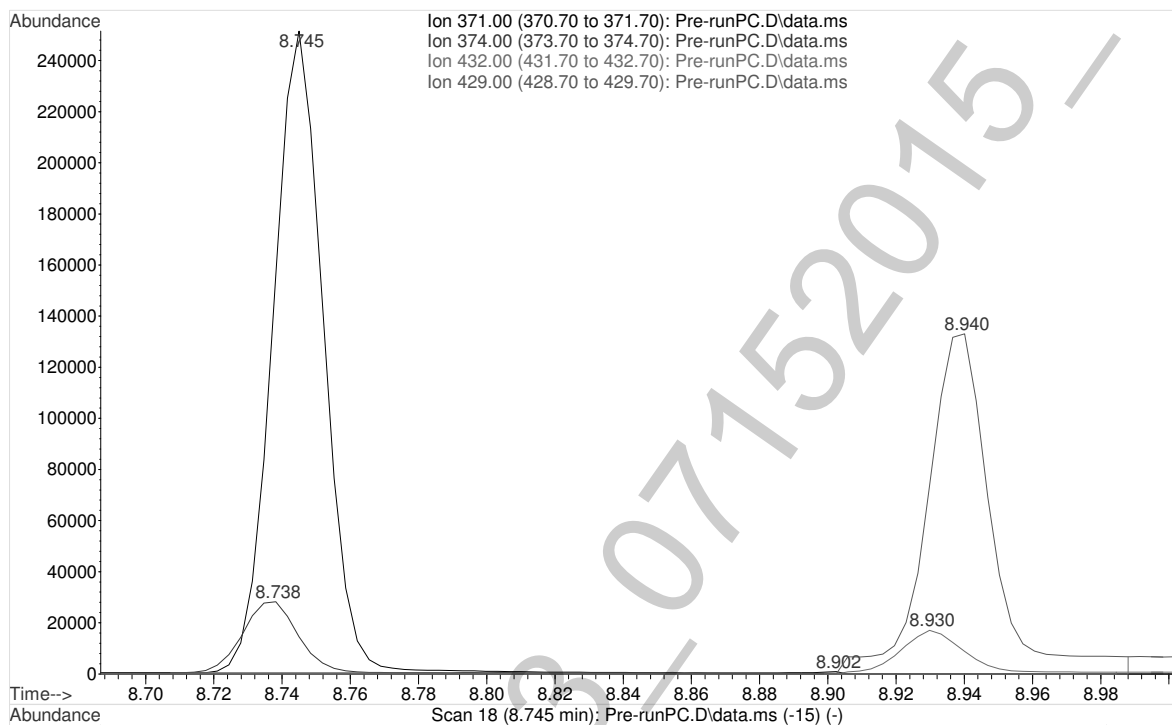
File :F:\Data\071515 OP\Pre-runSolventBlk.D
Operator : C Shrum
Acquired : 15 Jul 2015 15:05 using AcqMethod AM-3-10-3-3.M
Instrument : Probie
Sample Name: Pre-run Solvent Blank
Misc Info : CHCl3
Vial Number: 100



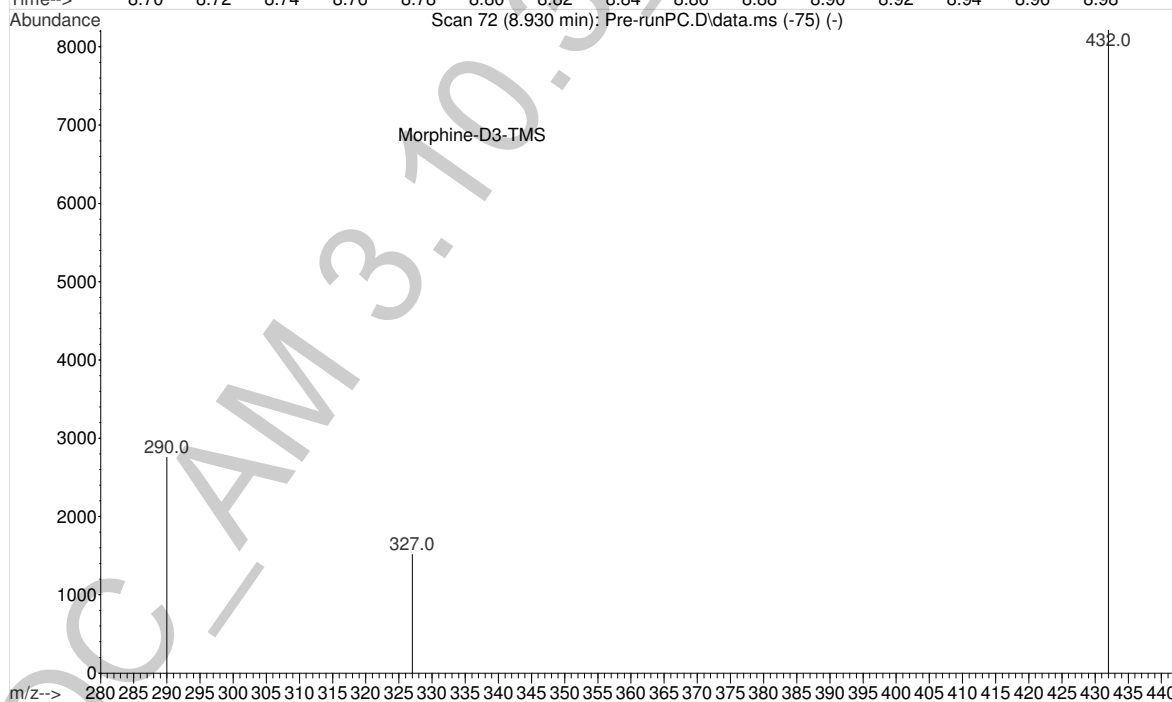
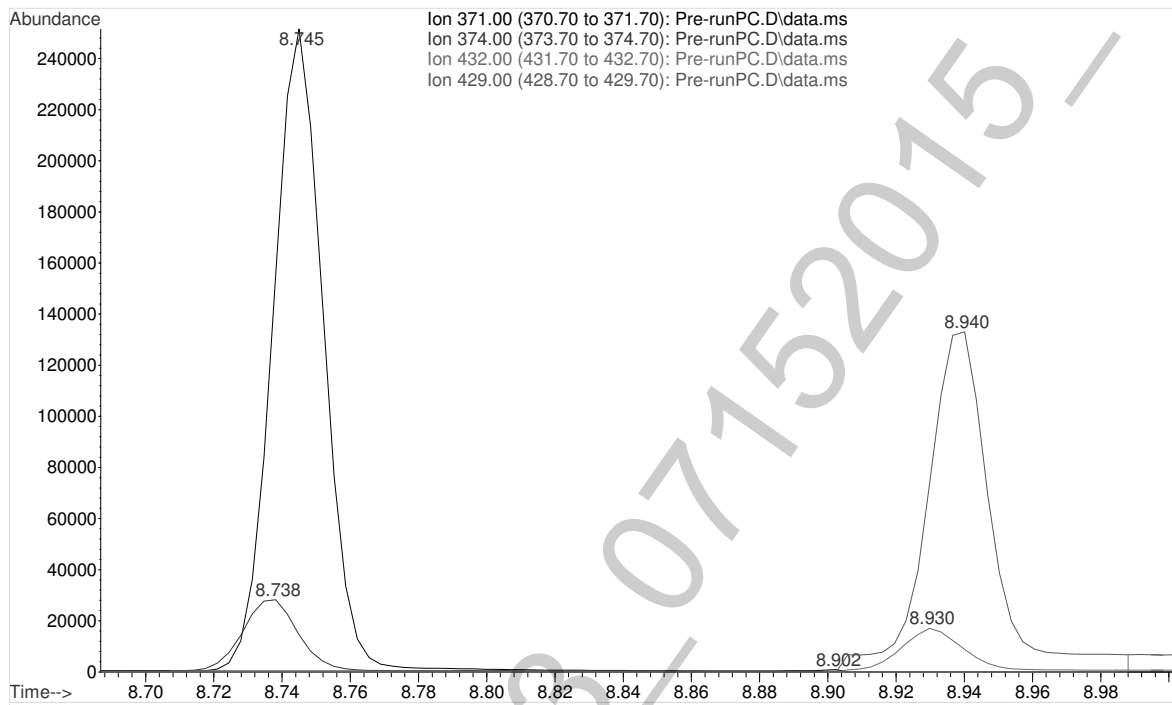
File :F:\Data\071515 OP\Pre-runPC.D
Operator : C Shrum
Acquired : 15 Jul 2015 15:42 using AcqMethod AM-3-10-3-3.M
Instrument : Probie
Sample Name: 750ng/mL Positive Control
Misc Info : Analytical Method 3.10.3
Vial Number: 6



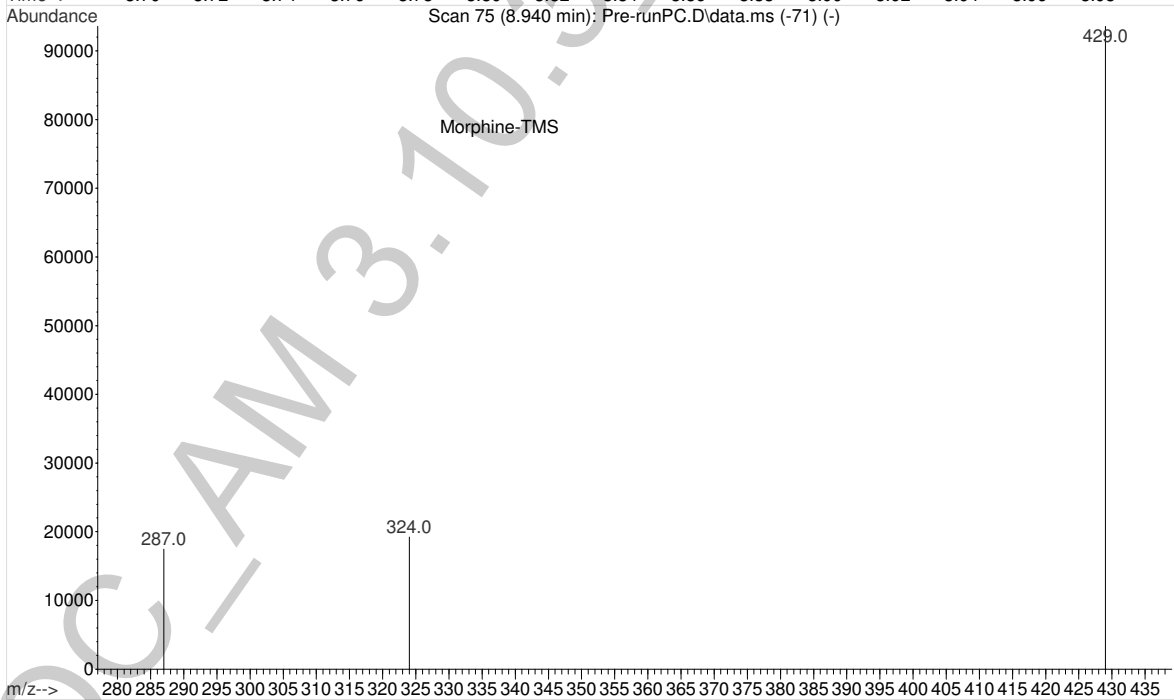
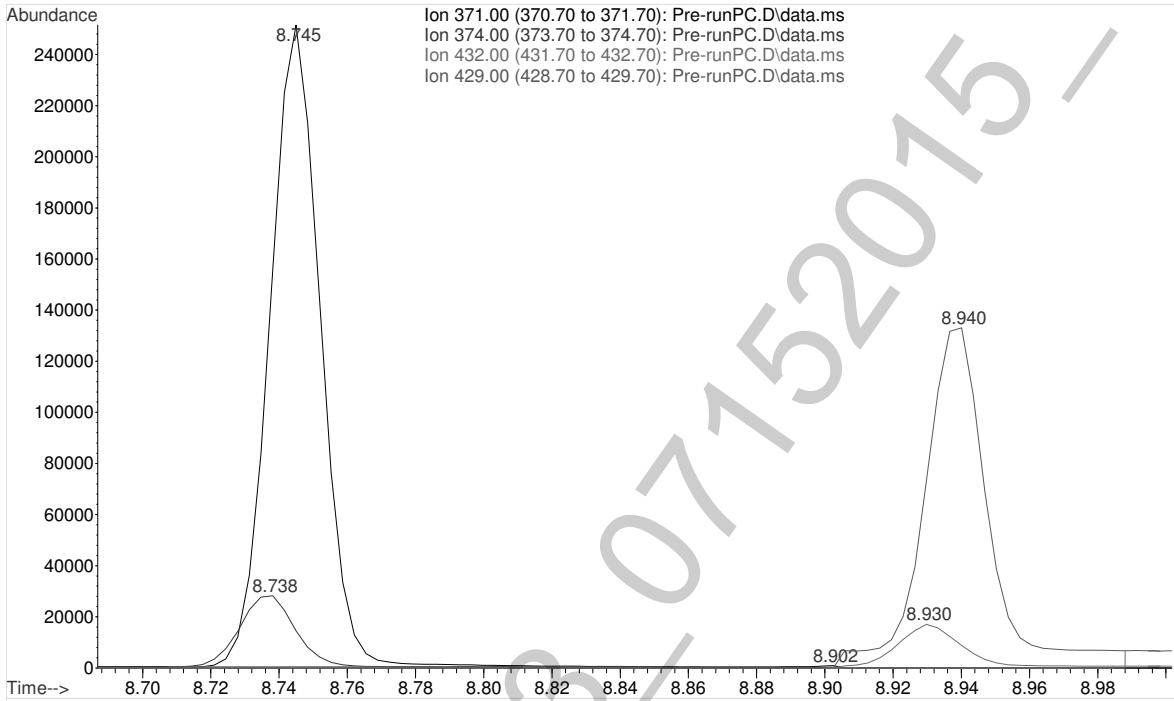
File :F:\Data\071515 OP\Pre-runPC.D
Operator : C Shrum
Acquired : 15 Jul 2015 15:42 using AcqMethod AM-3-10-3-3.M
Instrument : Probie
Sample Name: 750ng/mL Positive Control
Misc Info : Analytical Method 3.10.3
Vial Number: 6



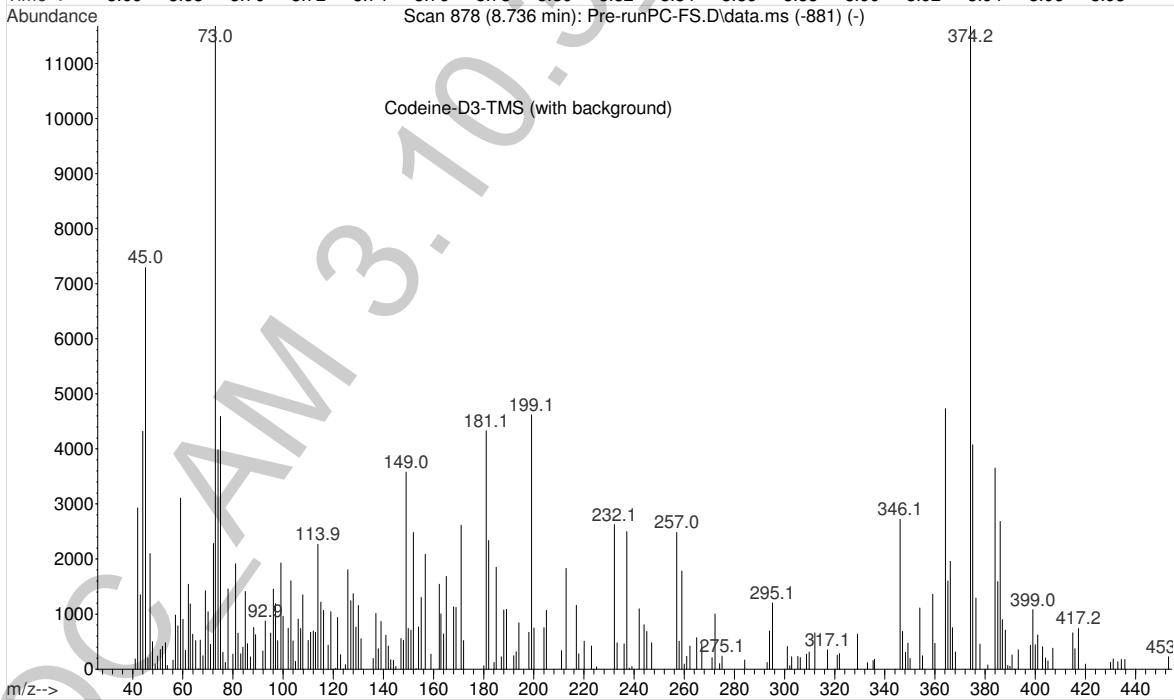
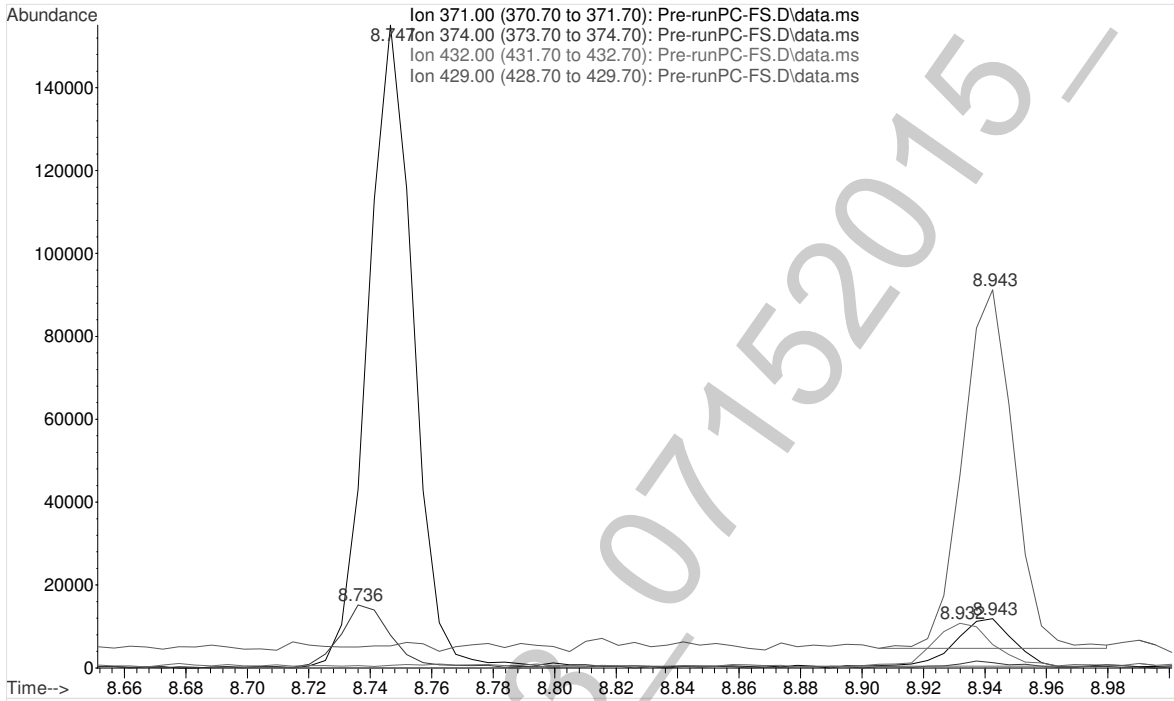
File : F:\Data\071515 OP\Pre-runPC.D
Operator : C Shrum
Acquired : 15 Jul 2015 15:42 using AcqMethod AM-3-10-3-3.M
Instrument : Probie
Sample Name: 750ng/mL Positive Control
Misc Info : Analytical Method 3.10.3
Vial Number: 6



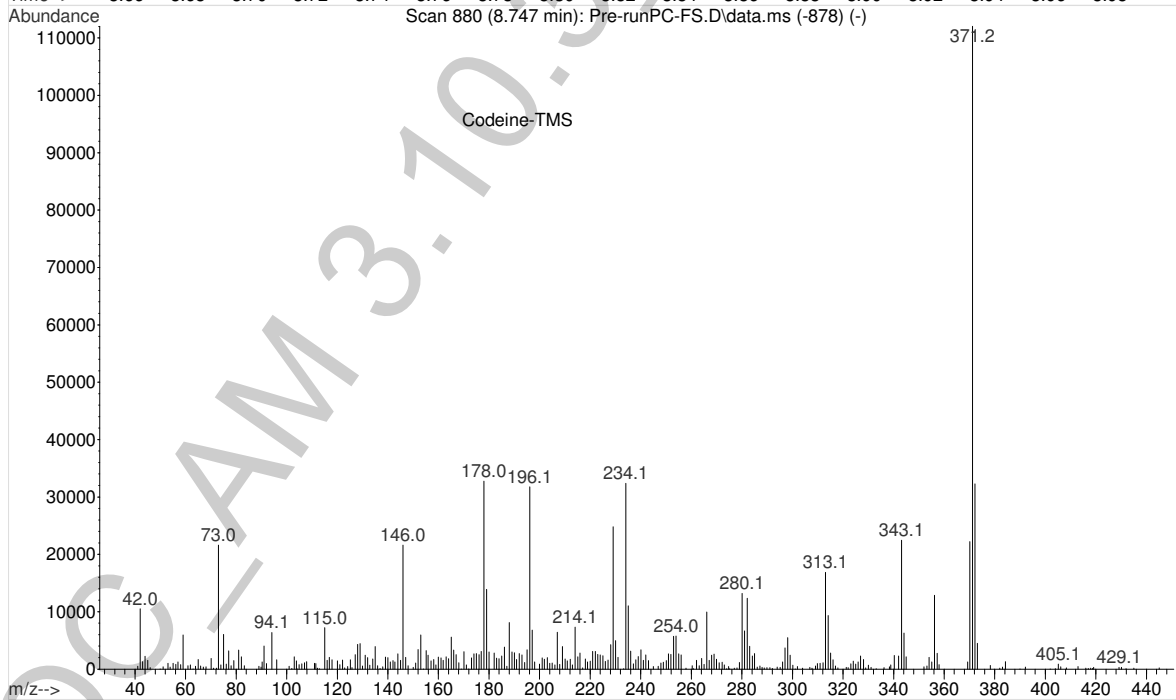
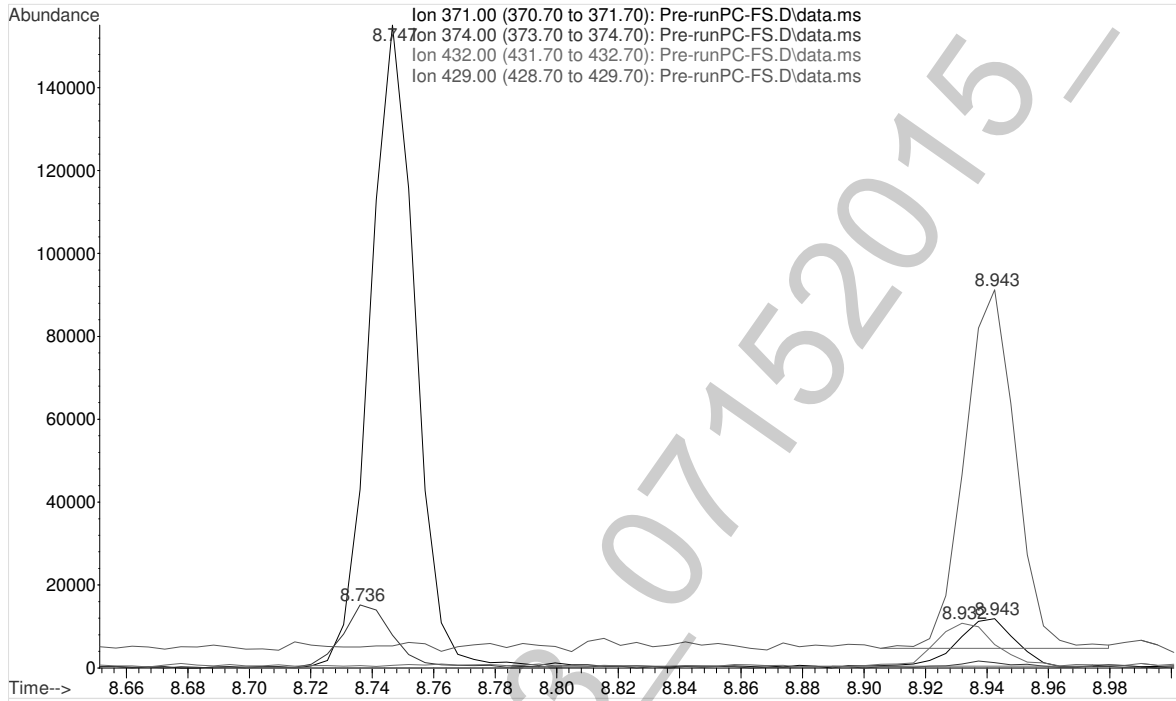
File : F:\Data\071515 OP\Pre-runPC.D
Operator : C Shrum
Acquired : 15 Jul 2015 15:42 using AcqMethod AM-3-10-3-3.M
Instrument : Probie
Sample Name: 750ng/mL Positive Control
Misc Info : Analytical Method 3.10.3
Vial Number: 6



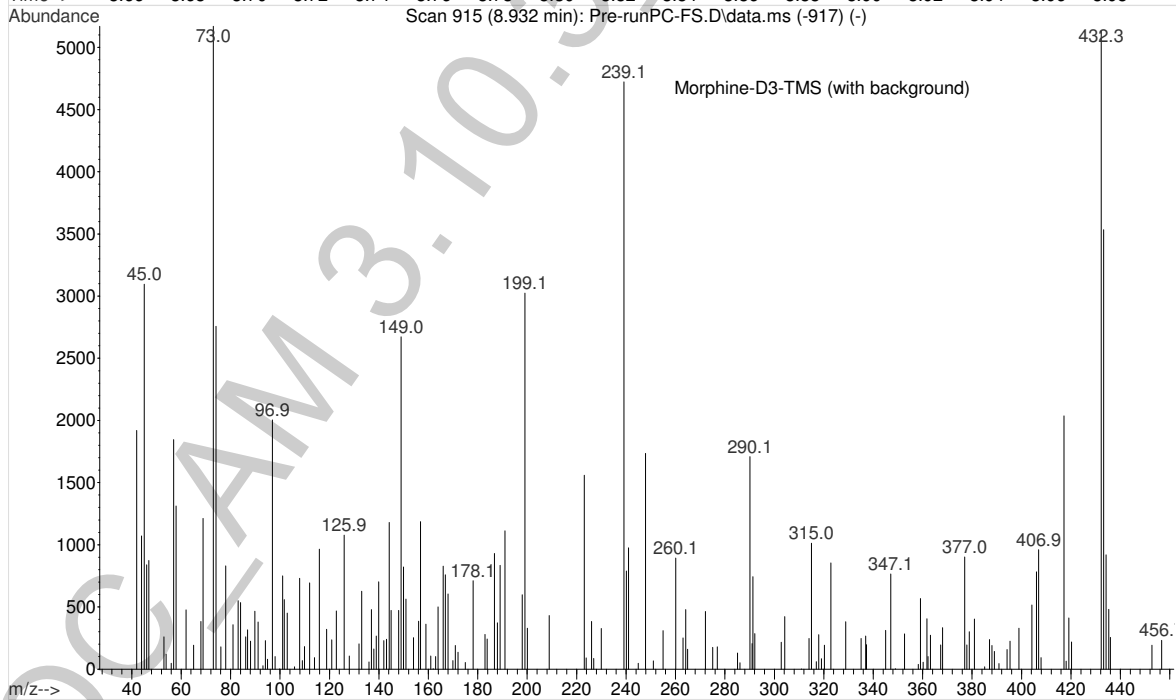
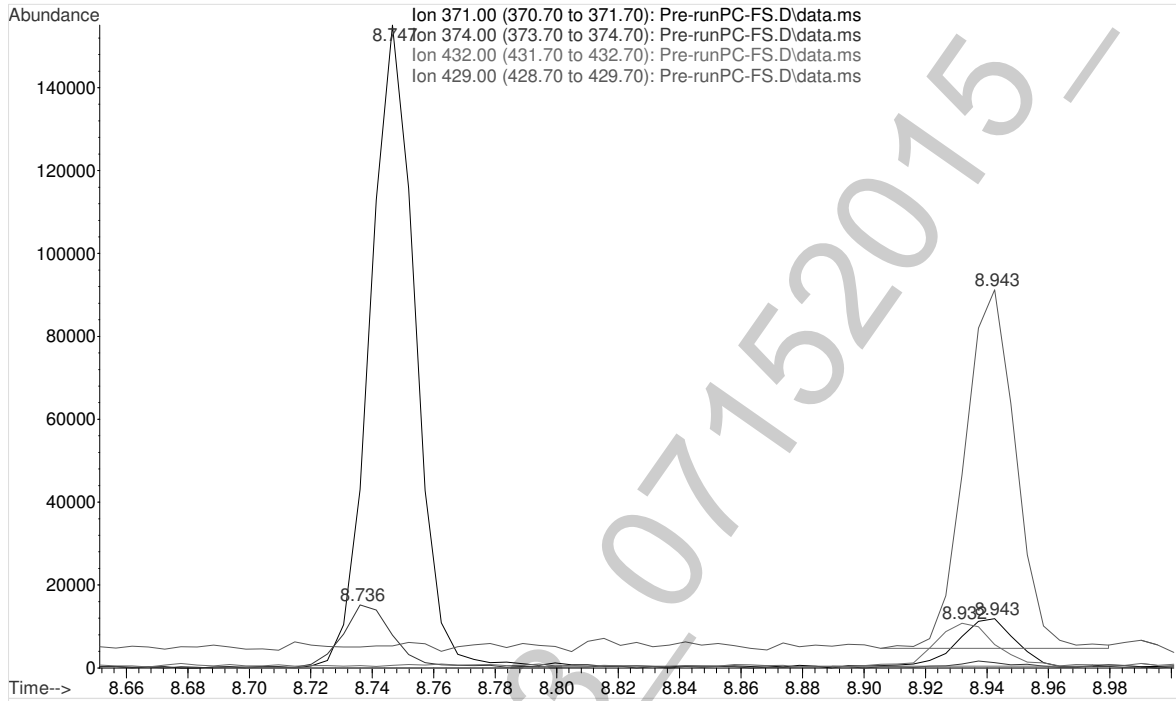
File :F:\Data\071515 OP\Pre-runPC-FS.D
Operator : C Shrum
Acquired : 15 Jul 2015 15:23 using AcqMethod AM3-10-3-FS.M
Instrument : Probie
Sample Name: 750ng/mL Positive Control
Misc Info : Analytical Method 3.10.3
Vial Number: 6



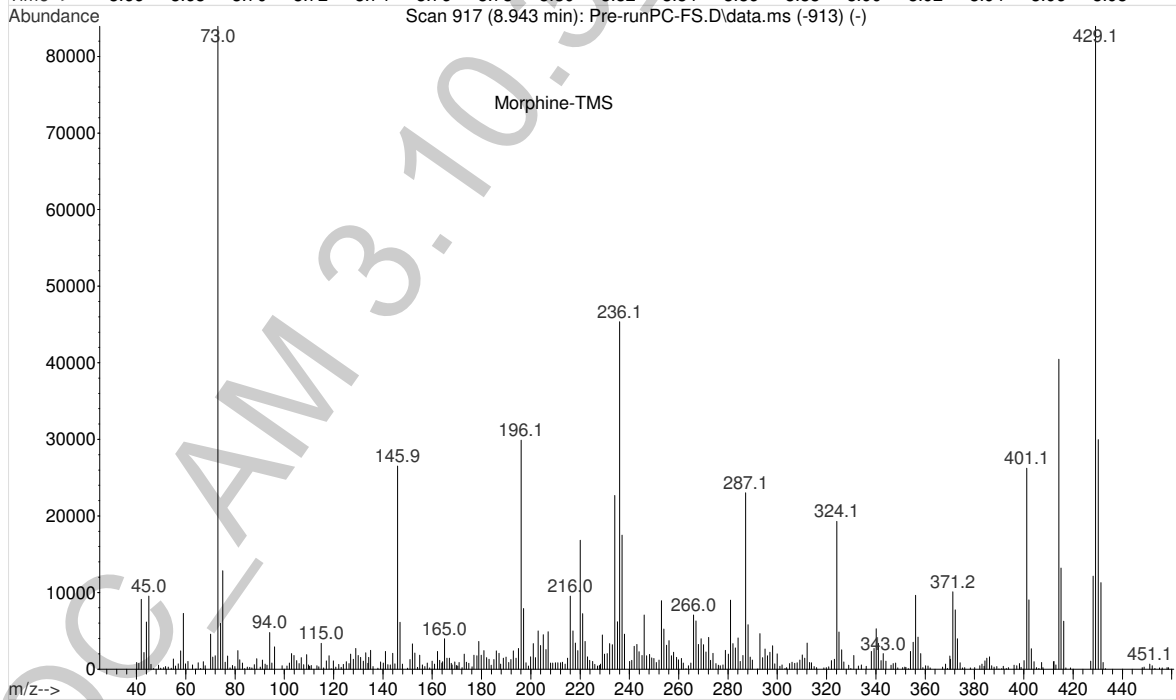
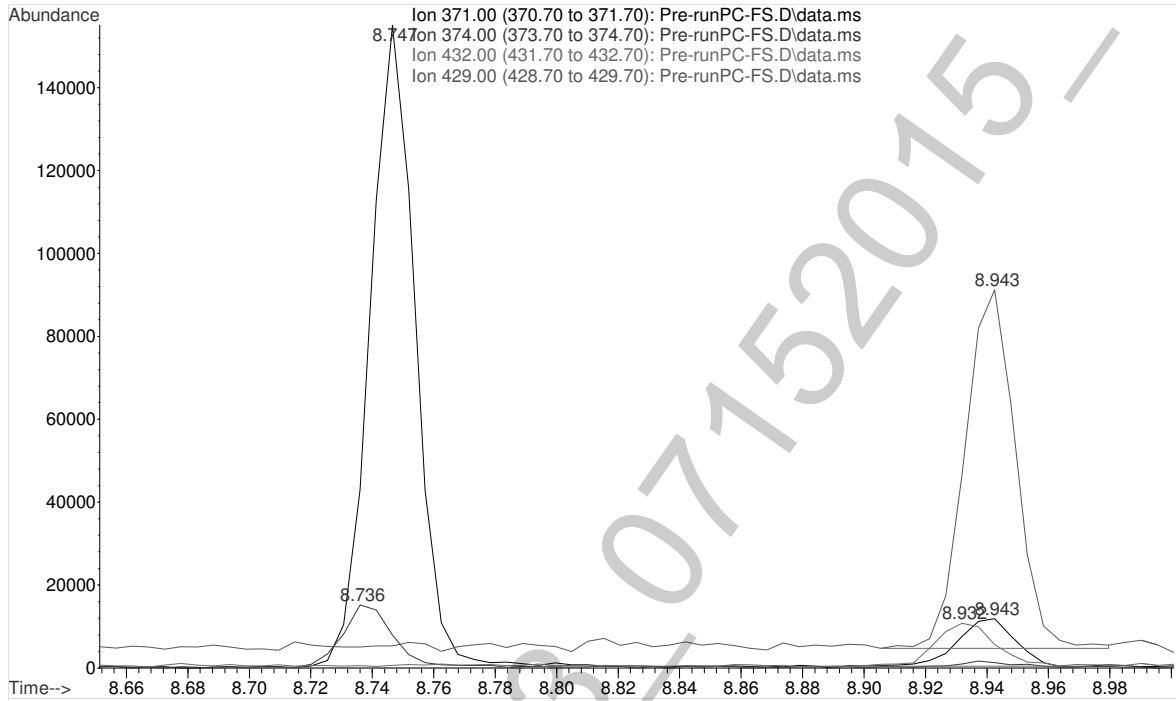
File : F:\Data\071515 OP\Pre-runPC-FS.D
Operator : C Shrum
Acquired : 15 Jul 2015 15:23 using AcqMethod AM3-10-3-FS.M
Instrument : Probie
Sample Name: 750ng/mL Positive Control
Misc Info : Analytical Method 3.10.3
Vial Number: 6



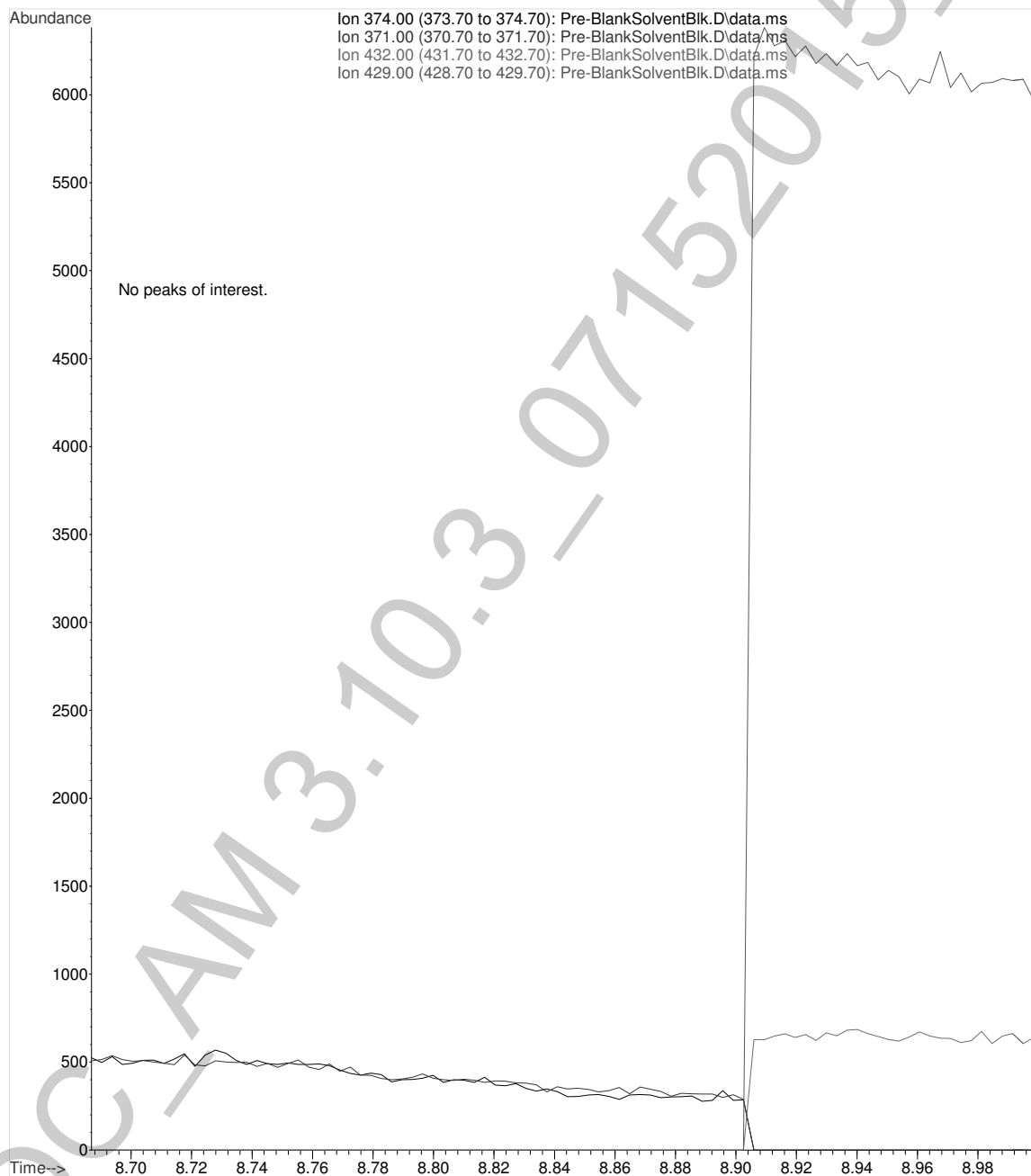
File : F:\Data\071515 OP\Pre-runPC-FS.D
Operator : C Shrum
Acquired : 15 Jul 2015 15:23 using AcqMethod AM3-10-3-FS.M
Instrument : Probie
Sample Name: 750ng/mL Positive Control
Misc Info : Analytical Method 3.10.3
Vial Number: 6



File :F:\Data\071515 OP\Pre-runPC-FS.D
Operator : C Shrum
Acquired : 15 Jul 2015 15:23 using AcqMethod AM3-10-3-FS.M
Instrument : Probie
Sample Name: 750ng/mL Positive Control
Misc Info : Analytical Method 3.10.3
Vial Number: 6



File :F:\Data\071515 OP\Pre-BlankSolventBlk.D
Operator : C Shrum
Acquired : 15 Jul 2015 16:01 using AcqMethod AM-3-10-3-3.M
Instrument : Probie
Sample Name: Pre-run Solvent Blank
Misc Info : CHCl3
Vial Number: 99



29

Calibration data of Codeine-D3-TMS

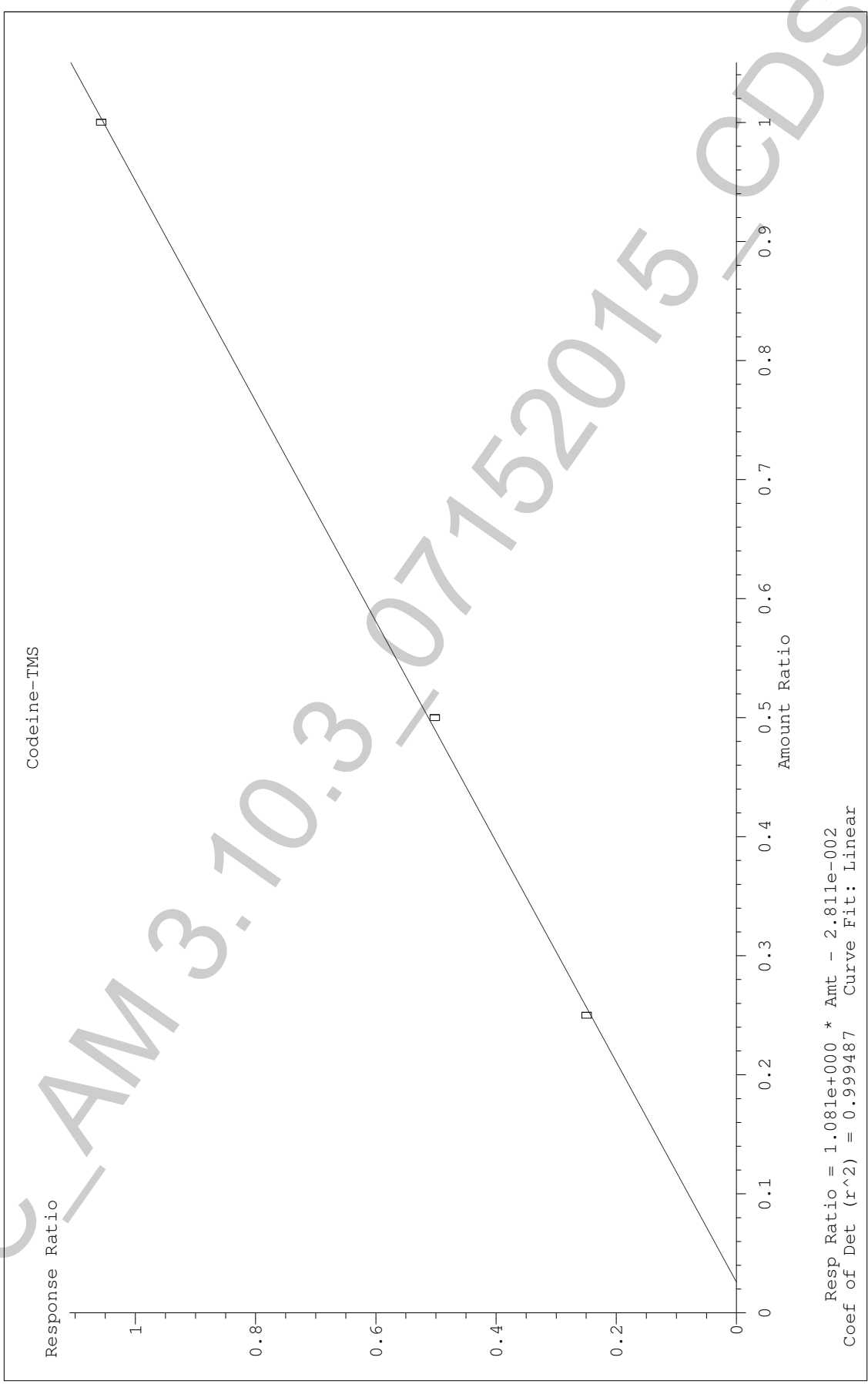
LvLID	Amount (ratio)	Response (ratio)	Data File
1	100.0000	48691.000000	F:\Data\071515 OP\CalLevel-1-25.D
2	100.0000	47403.000000	F:\Data\071515 OP\CalLevel-2-50.D
3	100.0000	40928.000000	F:\Data\071515 OP\CalLevel-3-100.D

Internal Standard

29

Calibration data of Codeine-TMS

LvLID	Amount (ratio)	Response (ratio)	bias (%)	Data File
1	0.2500	0.249307	-2.92	F:\Data\071515 OP\CalLevel-1-25.D
2	0.5000	0.501972	-2.07	F:\Data\071515 OP\CalLevel-2-50.D
3	1.0000	1.056807	0.34	F:\Data\071515 OP\CalLevel-3-100.D



29

Calibration data of Morphine-D3-TMS

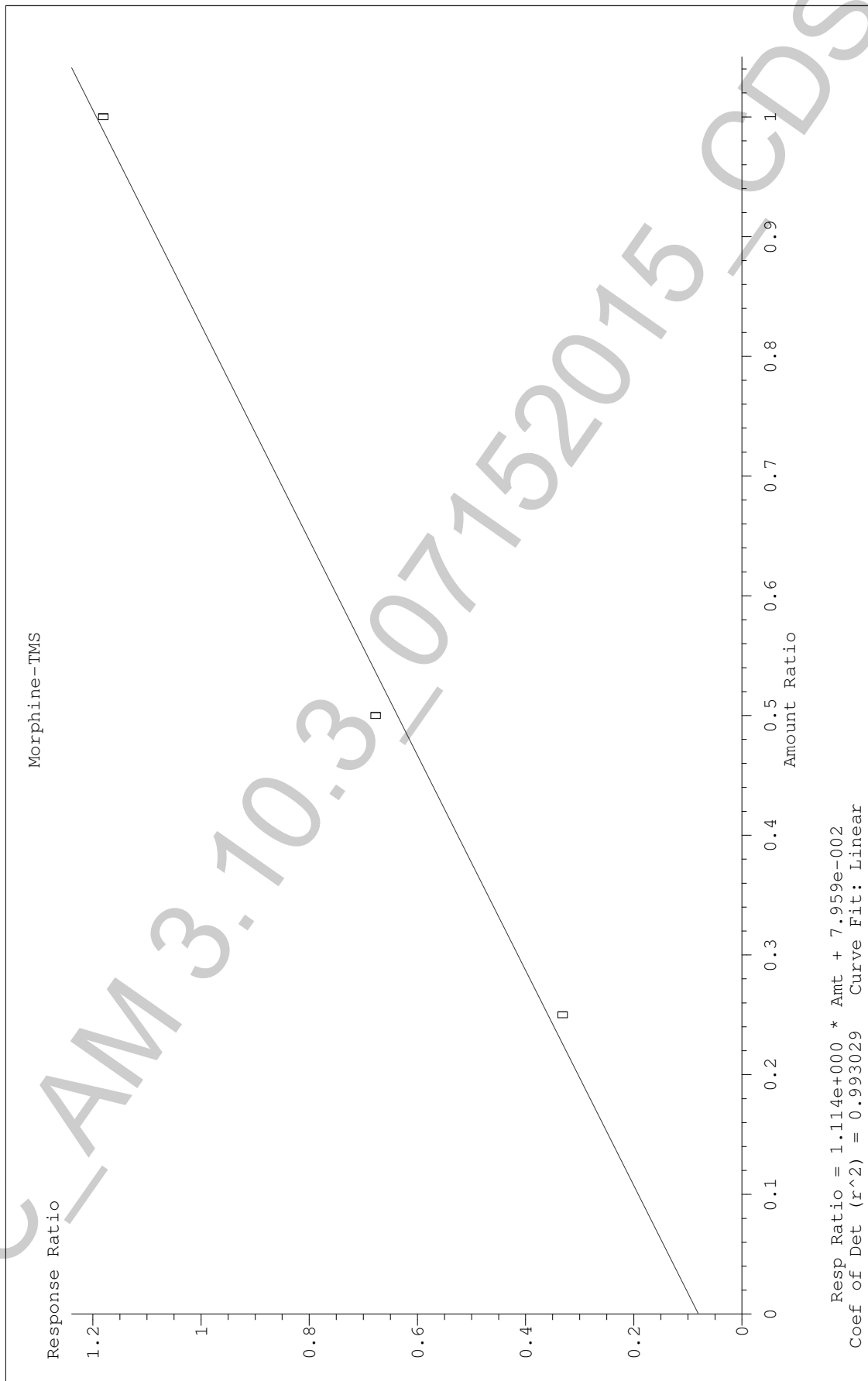
LvLID	Amount (ratio)	Response (ratio)	Data File
1	100.0000	28293.000000	F:\Data\071515 OP\CalLevel-1-25.D
2	100.0000	26927.000000	F:\Data\071515 OP\CalLevel-2-50.D
3	100.0000	28857.000000	F:\Data\071515 OP\CalLevel-3-100.D

Internal Standard

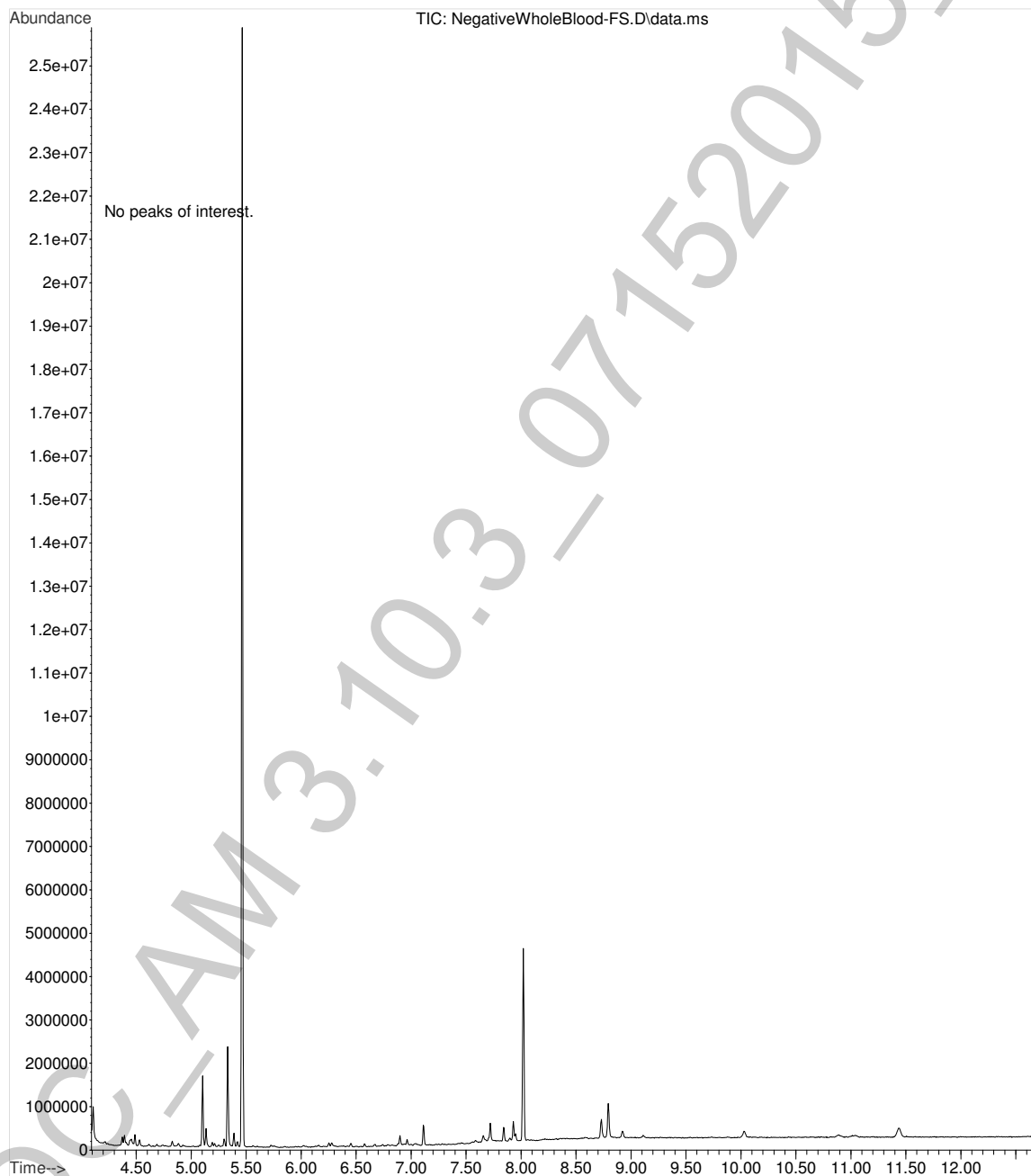
29

Calibration data of Morphine-TMS

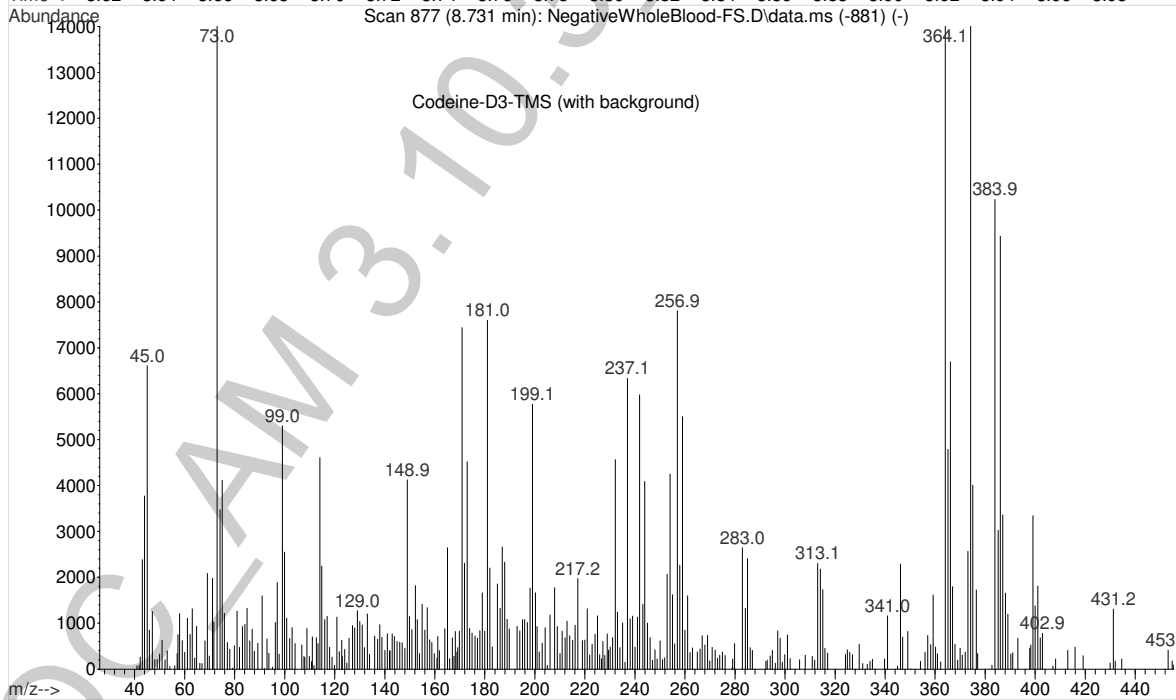
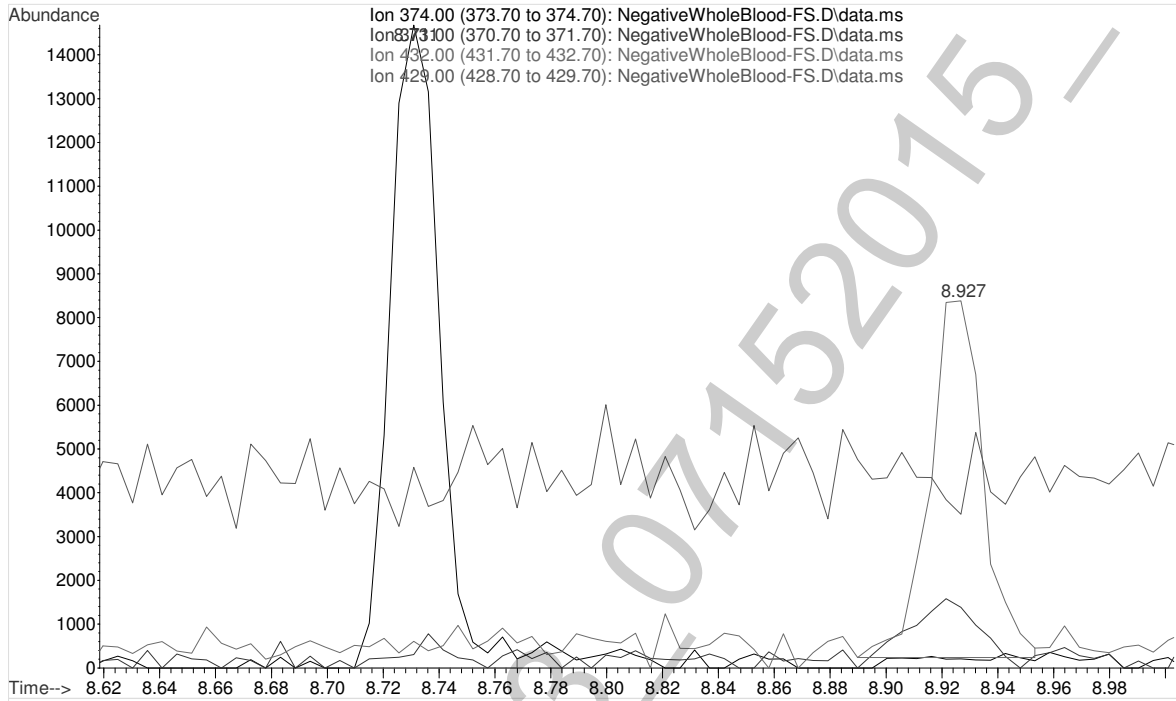
LvLID	Amount (ratio)	Response (ratio)	bias (%)	Data File
1	0.2500	0.331213	-7.52	F:\Data\071515 OP\CalLevel-1-25.D
2	0.5000	0.677164	6.35	F:\Data\071515 OP\CalLevel-2-50.D
3	1.0000	1.180407	-1.13	F:\Data\071515 OP\CalLevel-3-100.D



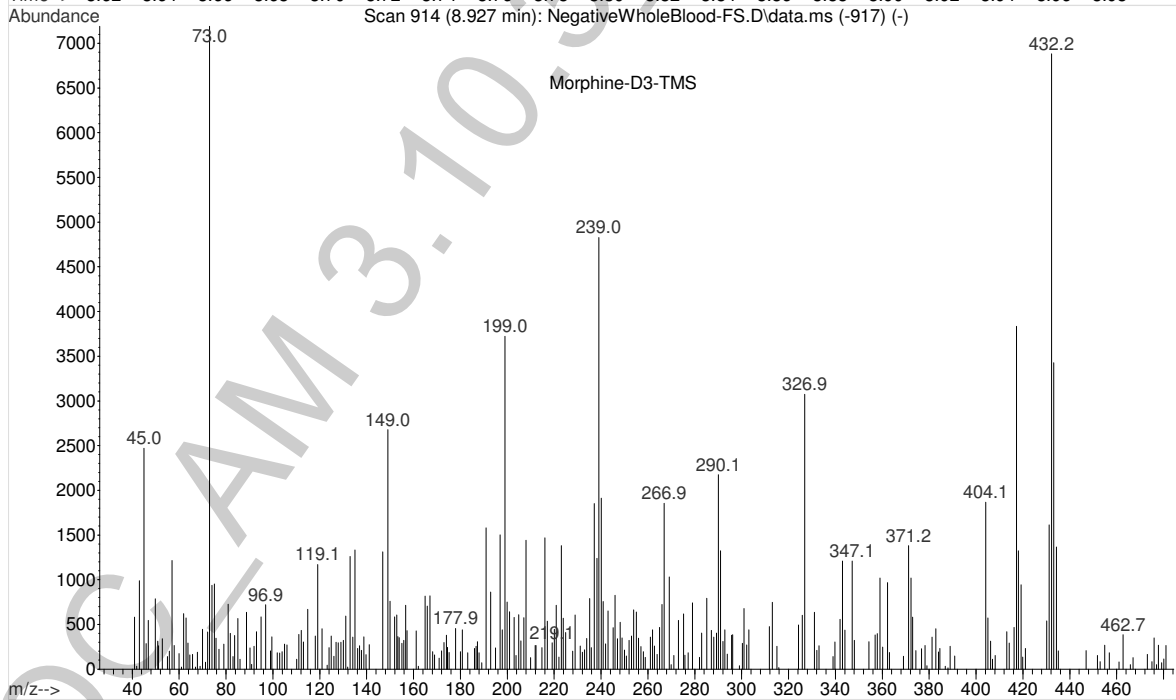
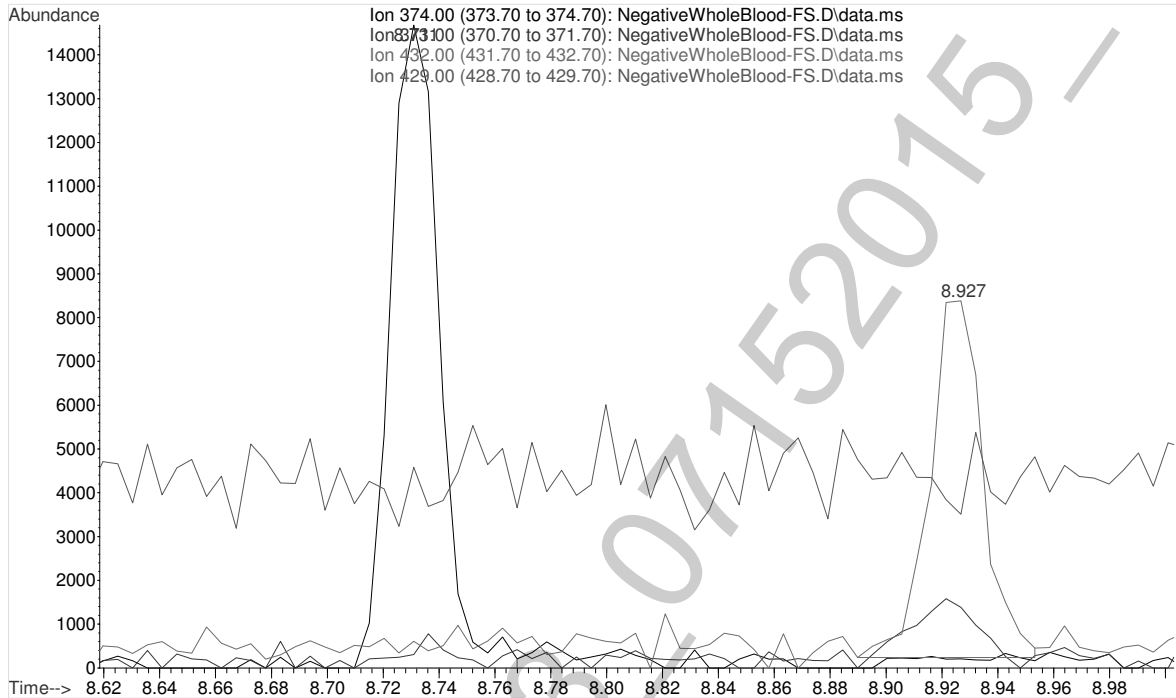
File :F:\Data\071515 OP\NegativeWholeBlood-FS.D
Operator : C Shrum
Acquired : 15 Jul 2015 16:38 using AcqMethod AM3-10-3-FS.M
Instrument : Probie
Sample Name: Negative Whole Blood Utak Lot B0689
Misc Info : Analytical Method 3.10.3
Vial Number: 1



File : F:\Data\071515 OP\NegativeWholeBlood-FS.D
Operator : C Shrum
Acquired : 15 Jul 2015 16:38 using AcqMethod AM3-10-3-FS.M
Instrument : Probie
Sample Name: Negative Whole Blood Utak Lot B0689
Misc Info : Analytical Method 3.10.3
Vial Number: 1



File :F:\Data\071515 OP\NegativeWholeBlood-FS.D
Operator : C Shrum
Acquired : 15 Jul 2015 16:38 using AcqMethod AM3-10-3-FS.M
Instrument : Probie
Sample Name: Negative Whole Blood Utak Lot B0689
Misc Info : Analytical Method 3.10.3
Vial Number: 1



Quantitation Report (Not Reviewed)

Data Path : F:\Data\071515 OP\
 Data File : NegativeWholeBlood.D
 Acq On : 15 Jul 2015 16:19
 Operator : C Shrum
 Sample : Negative Whole Blood Utak Lot B0689
 Misc : Analytical Method 3.10.3
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 16 14:48:23 2015
 Quant Method : F:\Methods\AM-3-10-3-D3- All levels.M
 Quant Title :
 QLast Update : Thu Jul 16 14:42:44 2015
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Codeine-D3-TMS	8.731	374	31083	100.00	ng/mL	0.00
3) Morphine-D3-TMS	8.926	432	16853	100.00	ng/mL	0.00
Target Compounds						
2) Codeine-D3	8.735	371	716	Below Cal	# *	1
4) Morphine-TMS	8.913	429	9799	Below Cal	# *	93

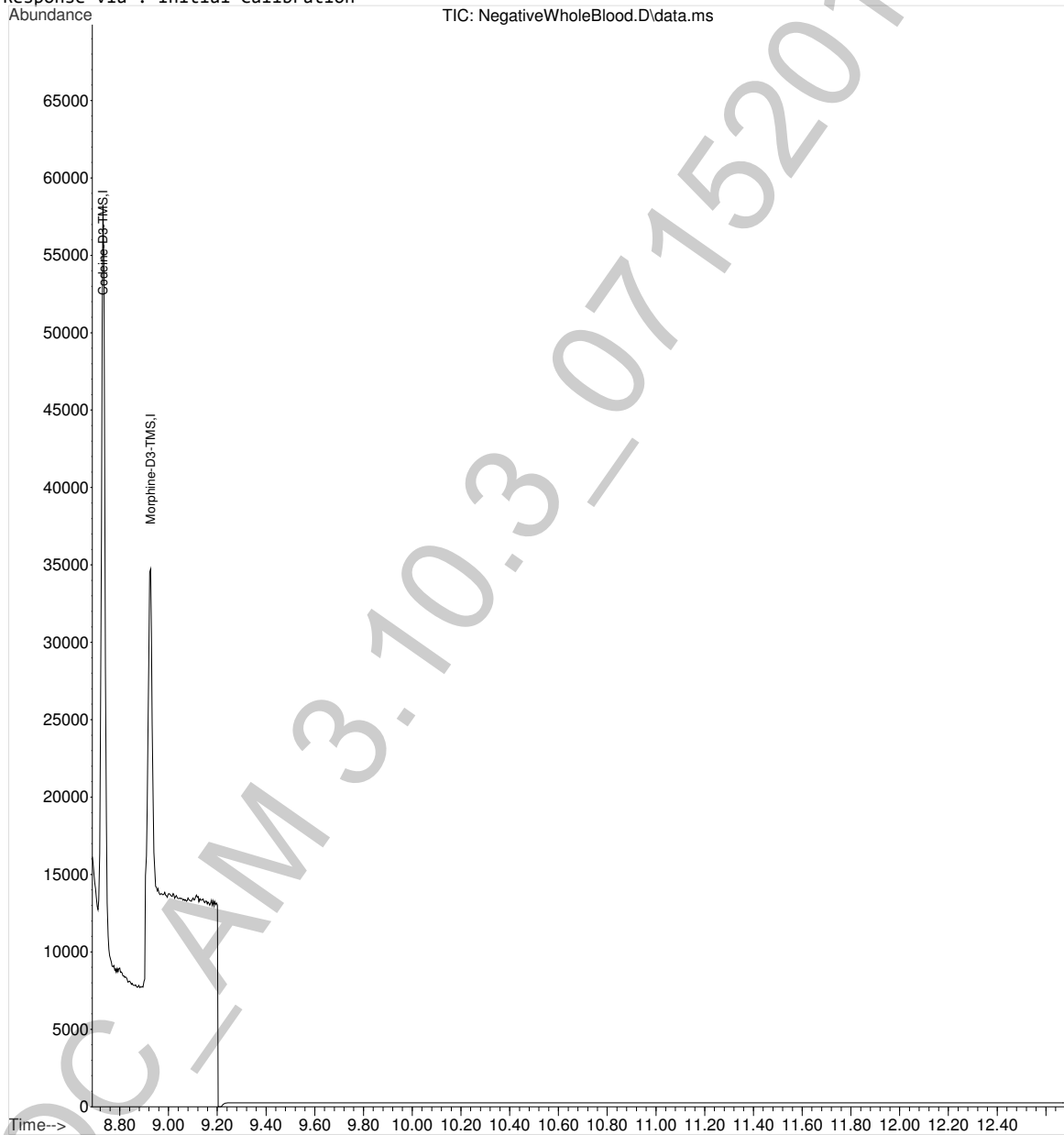
(#) = qualifier out of range (m) = manual integration (+) = signals summed

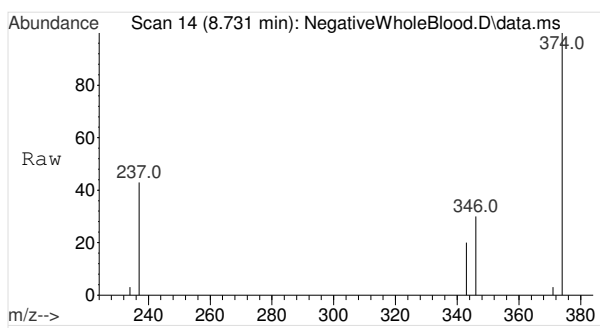
*None detected.

Quantitation Report (Not Reviewed)

Data Path : F:\Data\071515 OP\
Data File : NegativeWholeBlood.D
Acq On : 15 Jul 2015 16:19
Operator : C Shrum
Sample : Negative Whole Blood Utak Lot B0689
Misc : Analytical Method 3.10.3
ALS Vial : 1 Sample Multiplier: 1

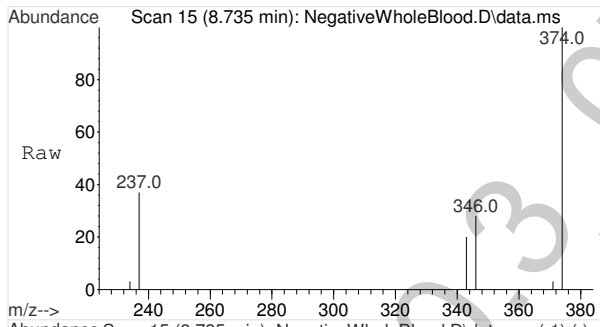
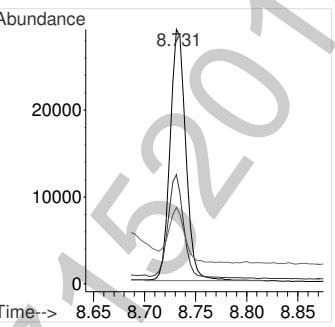
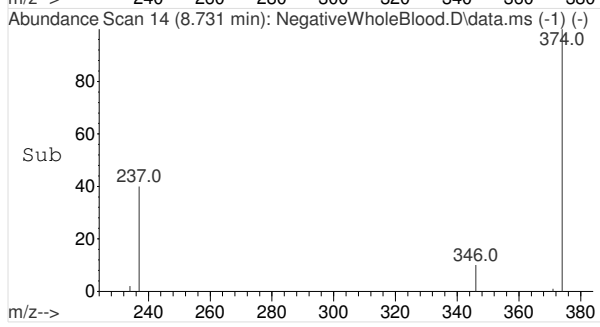
Quant Time: Jul 16 14:48:23 2015
Quant Method : F:\Methods\AM-3-10-3-D3- All levels.M
Quant Title :
QLast Update : Thu Jul 16 14:42:44 2015
Response via : Initial Calibration





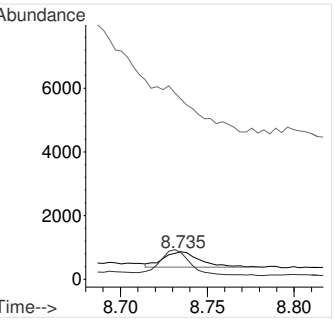
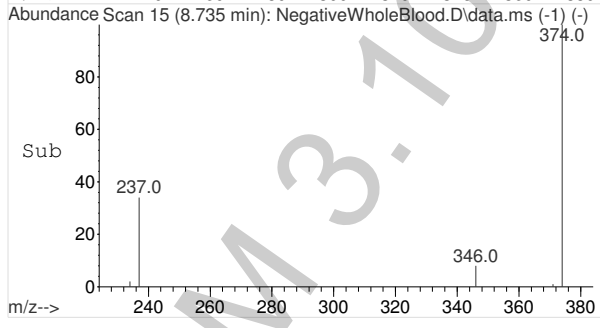
#1
 Codeine-D3-TMS
 Concen: 100.00 ng/mL
 RT: 8.731 min Scan# 14
 Delta R.T. 0.000 min
 Lab File: NegativeWholeBlood.D
 Acq: 15 Jul 2015 16:19

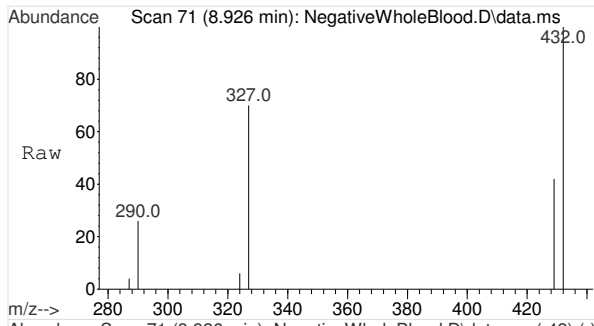
Tgt Ion	Resp	Lower	Upper
374	31083		
237	42.0	34.2	51.2
346	22.4	19.2	28.8



#2
 Codeine-D3
 Concen: Below Cal
 RT: 8.735 min Scan# 15
 Delta R.T. -0.007 min
 Lab File: NegativeWholeBlood.D
 Acq: 15 Jul 2015 16:19

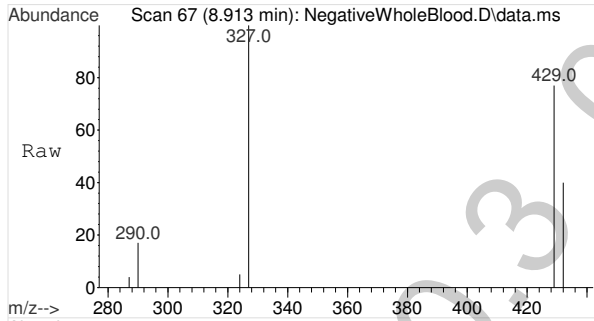
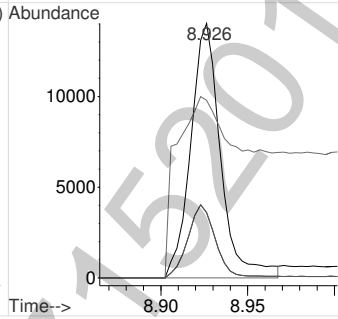
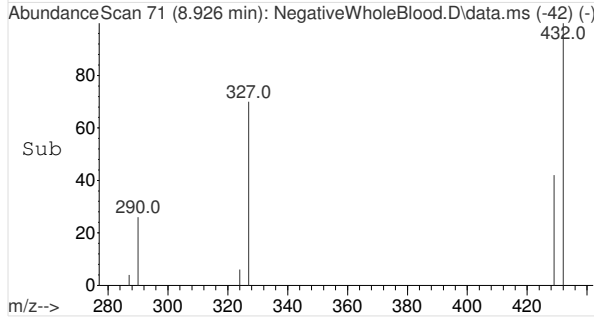
Tgt Ion	Resp	Lower	Upper
371	716		
234	127.4	32.8	49.2#
343	0.0	26.2	39.4#





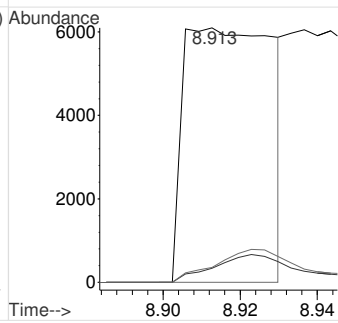
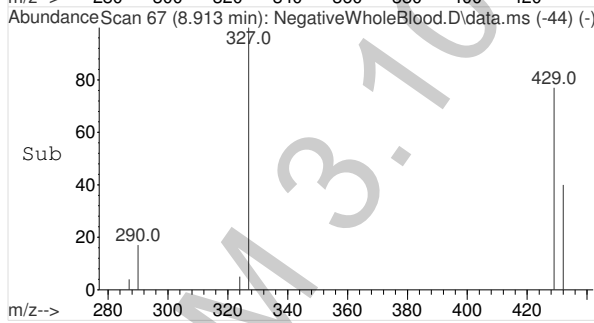
#3
 Morphine-D3-TMS
 Concen: 100.00 ng/mL
 RT: 8.926 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: NegativeWholeBlood.D
 Acq: 15 Jul 2015 16:19

Tgt Ion	Resp	Lower	Upper
432	16853		
290	26.9	21.6	32.4
327	198.1	146.2	219.4
290	26.9	21.6	32.4



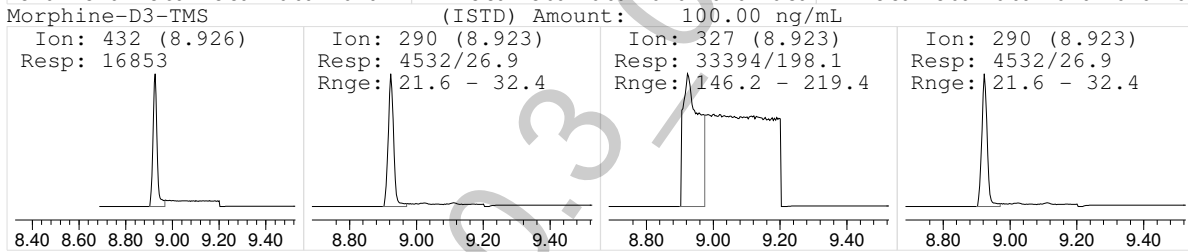
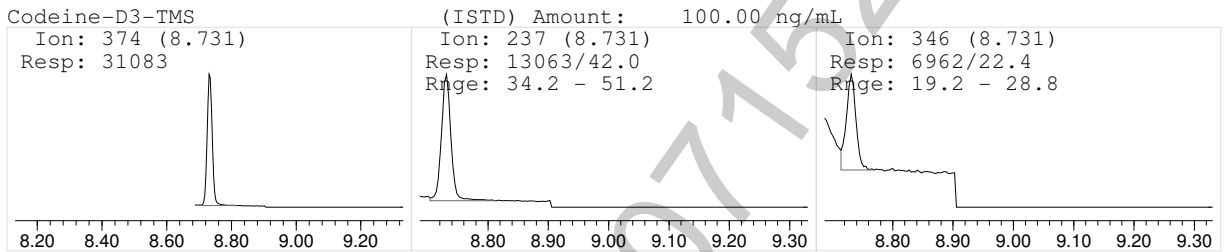
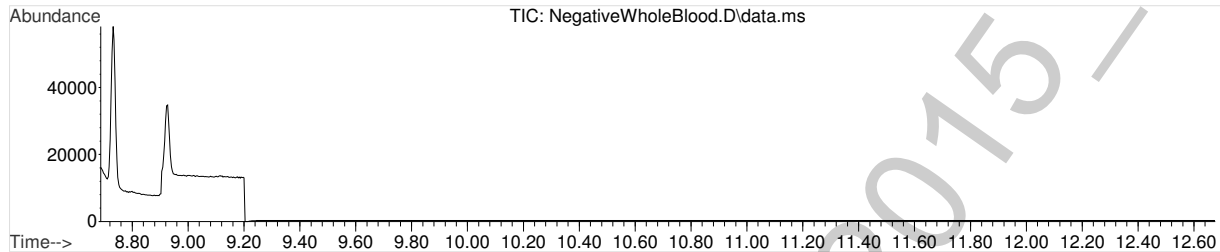
#4
 Morphine-TMS
 Concen: Below Cal
 RT: 8.913 min Scan# 67
 Delta R.T. -0.020 min
 Lab File: NegativeWholeBlood.D
 Acq: 15 Jul 2015 16:19

Tgt Ion	Resp	Lower	Upper
429	9799		
287	10.5	7.4	11.0
324	13.0	7.4	11.0



Quantitation Report (Not Reviewed)

Data Path : F:\Data\071515 OP\
Data File : NegativeWholeBlood.D
Acq On : 15 Jul 2015 16:19
Operator : C Shrum
Sample : Negative Whole Blood Utak Lot B0689
Misc : Analytical Method 3.10.3
ALS Vial : 1 Sample Multiplier: 1



Quantitation Report (Not Reviewed)

Data Path : F:\Data\071515 OP\
 Data File : CalLevel-1-25.D
 Acq On : 15 Jul 2015 16:57
 Operator : C Shrum
 Sample : Calibrator Level 1: 25ng/mL
 Misc : Analytical Method 3.10.3
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 16 14:56:24 2015
 Quant Method : F:\Methods\AM-3-10-3-D3- All levels.M
 Quant Title :
 QLast Update : Thu Jul 16 14:42:44 2015
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Codeine-D3-TMS	8.731	374	29365	100.00	ng/mL	0.00
3) Morphine-D3-TMS	8.923	432	15945	100.00	ng/mL	0.00
Target Compounds						
2) Codeine-D3	8.742	371	7597	15.61	ng/mL	94
4) Morphine-TMS	8.933	429	23398	Below Cal *		98

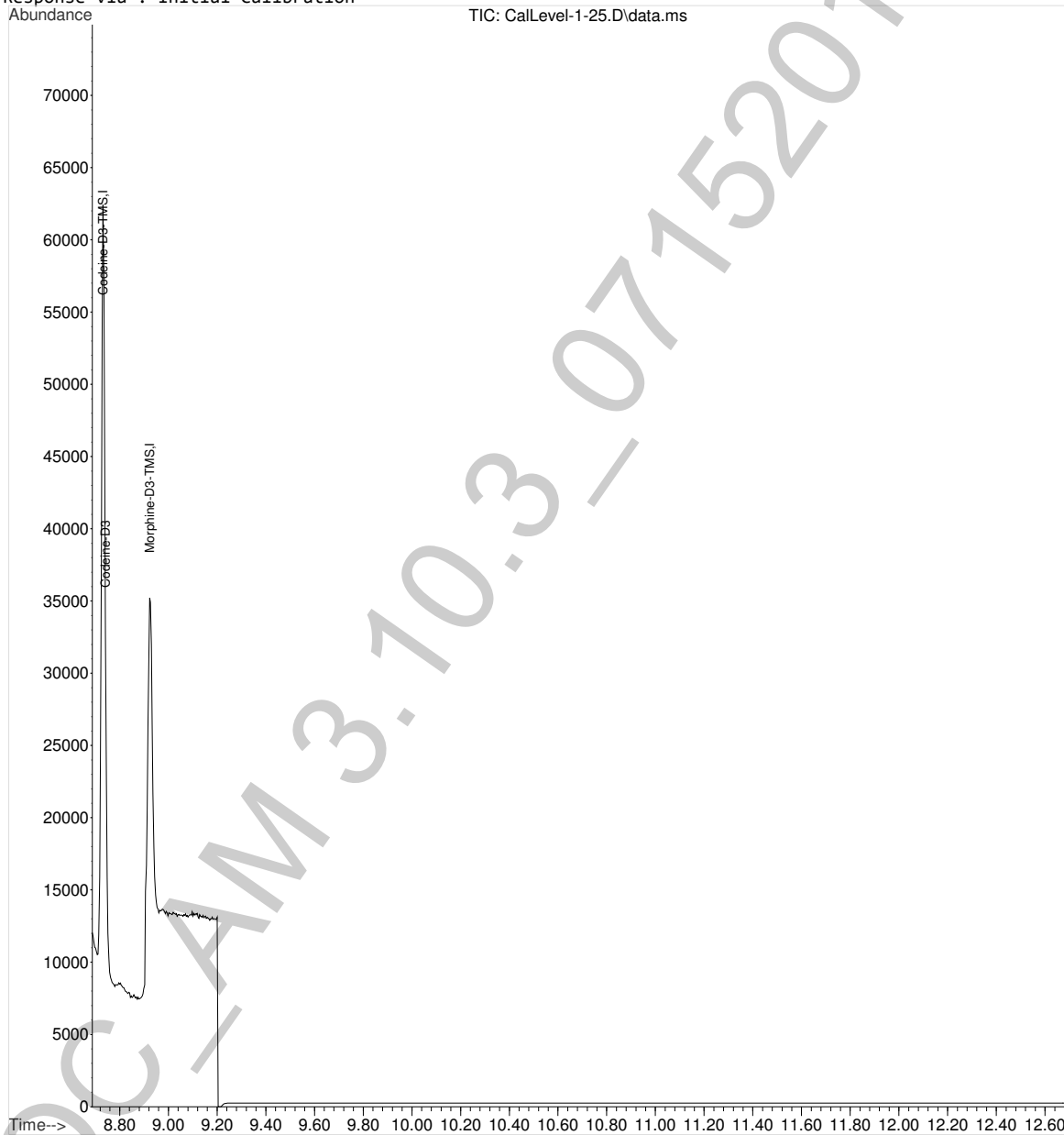
(#) = qualifier out of range (m) = manual integration (+) = signals summed

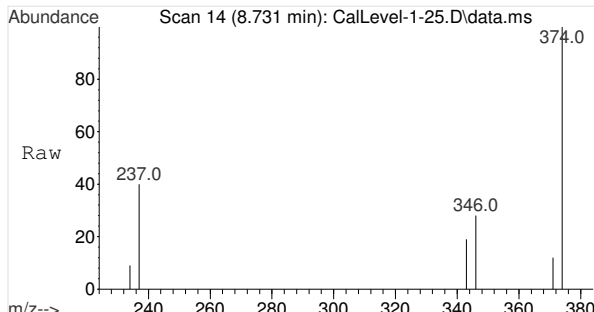
*Use 50 ng/mL as administrative cutoff for morphine.

Quantitation Report (Not Reviewed)

Data Path : F:\Data\071515 OP\
Data File : CalLevel-1-25.D
Acq On : 15 Jul 2015 16:57
Operator : C Shrum
Sample : Calibrator Level 1: 25ng/mL
Misc : Analytical Method 3.10.3
ALS Vial : 2 Sample Multiplier: 1

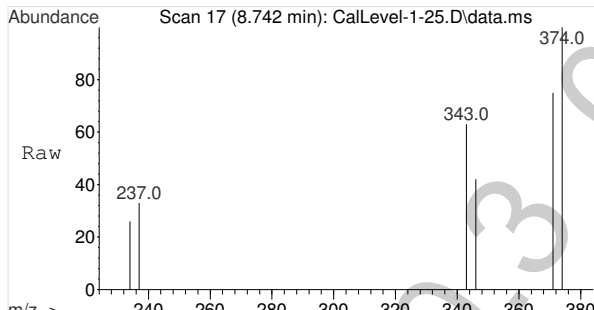
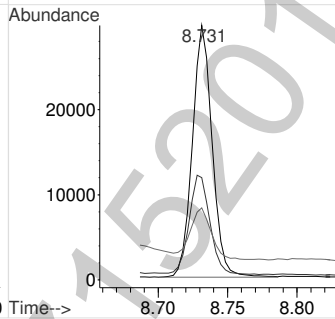
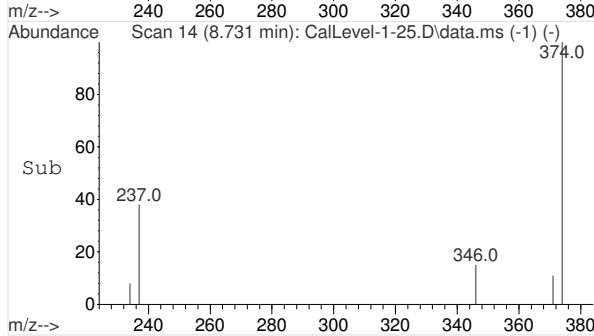
Quant Time: Jul 16 14:56:24 2015
Quant Method : F:\Methods\AM-3-10-3-D3- All levels.M
Quant Title :
QLast Update : Thu Jul 16 14:42:44 2015
Response via : Initial Calibration





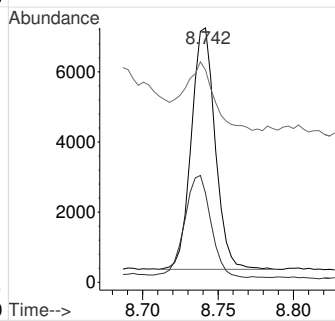
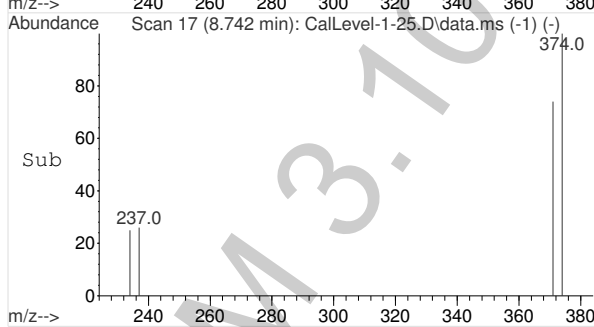
#1
 Codeine-D3-TMS
 Concen: 100.00 ng/mL
 RT: 8.731 min Scan# 14
 Delta R.T. 0.000 min
 Lab File: CalLevel-1-25.D
 Acq: 15 Jul 2015 16:57

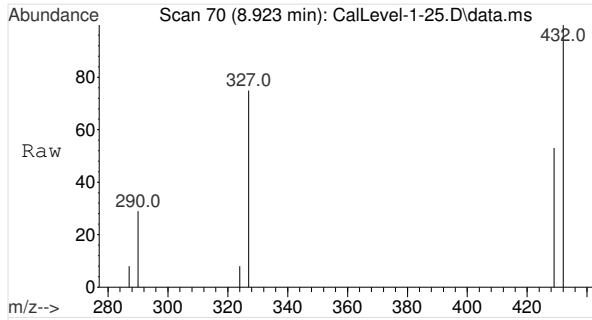
Tgt Ion	Resp	Lower	Upper
374	29365		
237	41.5	34.2	51.2
346	21.6	19.2	28.8



#2
 Codeine-D3
 Concen: 15.61 ng/mL
 RT: 8.742 min Scan# 17
 Delta R.T. -0.000 min
 Lab File: CalLevel-1-25.D
 Acq: 15 Jul 2015 16:57

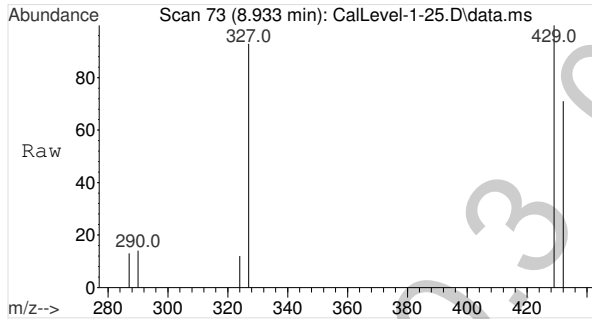
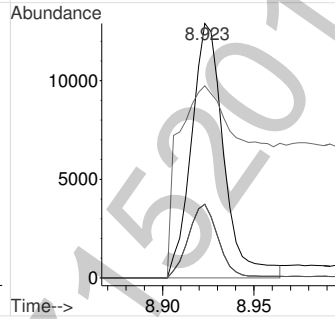
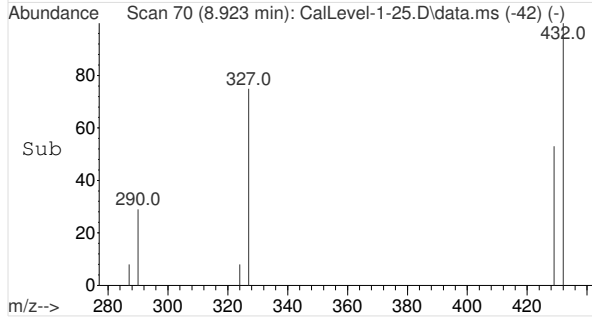
Tgt Ion	Resp	Lower	Upper
371	7597		
234	46.7	32.8	49.2
343	33.4	26.2	39.4





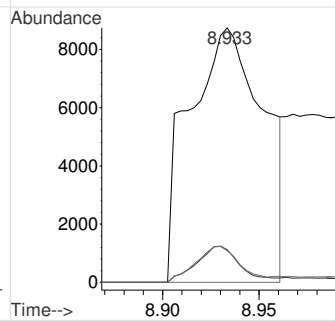
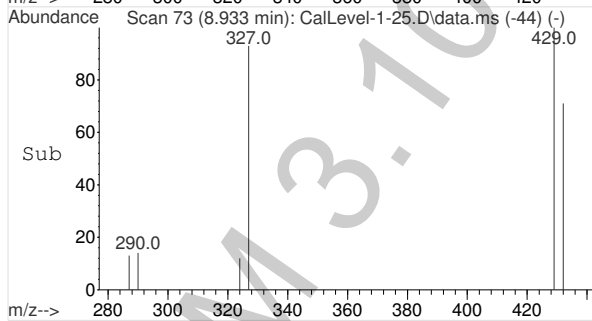
#3
 Morphine-D3-TMS
 Concen: 100.00 ng/mL
 RT: 8.923 min Scan# 70
 Delta R.T. -0.003 min
 Lab File: CalLevel-1-25.D
 Acq: 15 Jul 2015 16:57

Tgt Ion	Resp	Lower	Upper
432	15945		
290	27.1	21.6	32.4
327	170.8	146.2	219.4
290	27.1	21.6	32.4



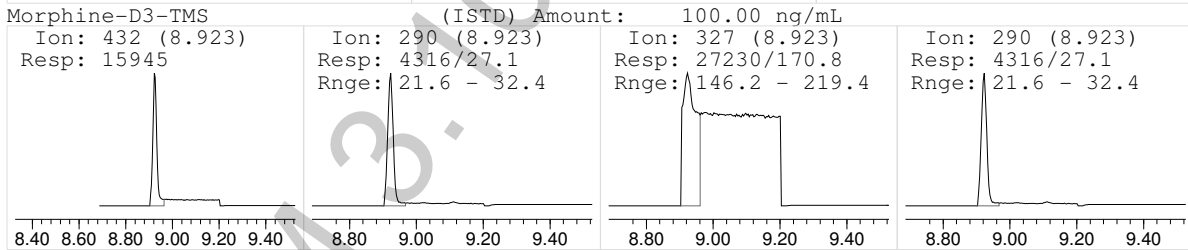
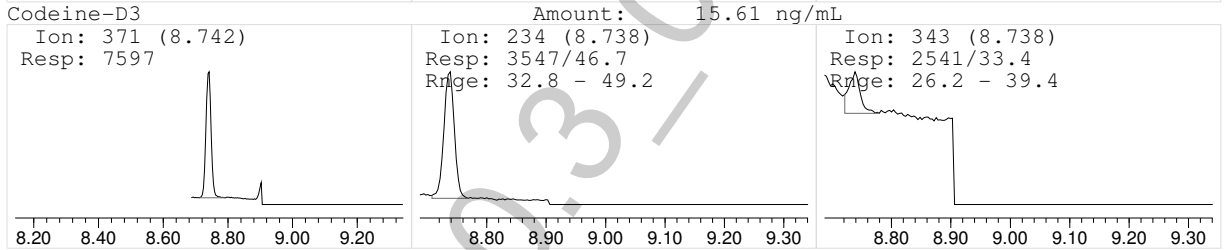
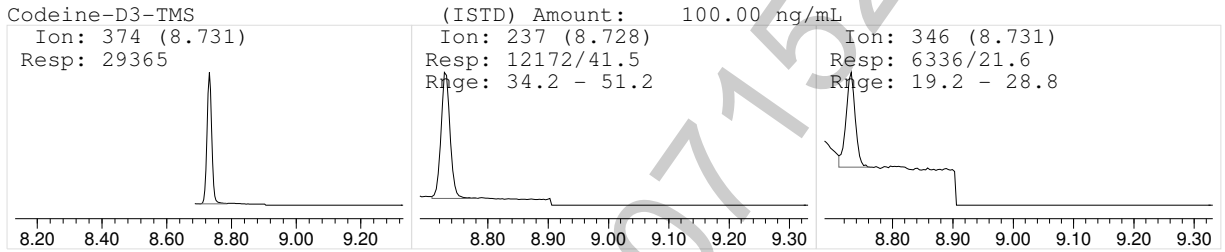
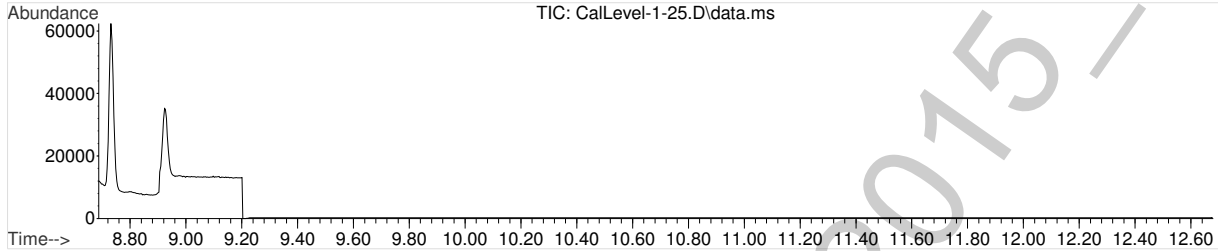
#4
 Morphine-TMS
 Concen: Below Cal
 RT: 8.933 min Scan# 73
 Delta R.T. 0.000 min
 Lab File: CalLevel-1-25.D
 Acq: 15 Jul 2015 16:57

Tgt Ion	Resp	Lower	Upper
429	23398		
287	8.4	7.4	11.0
324	8.6	7.4	11.0

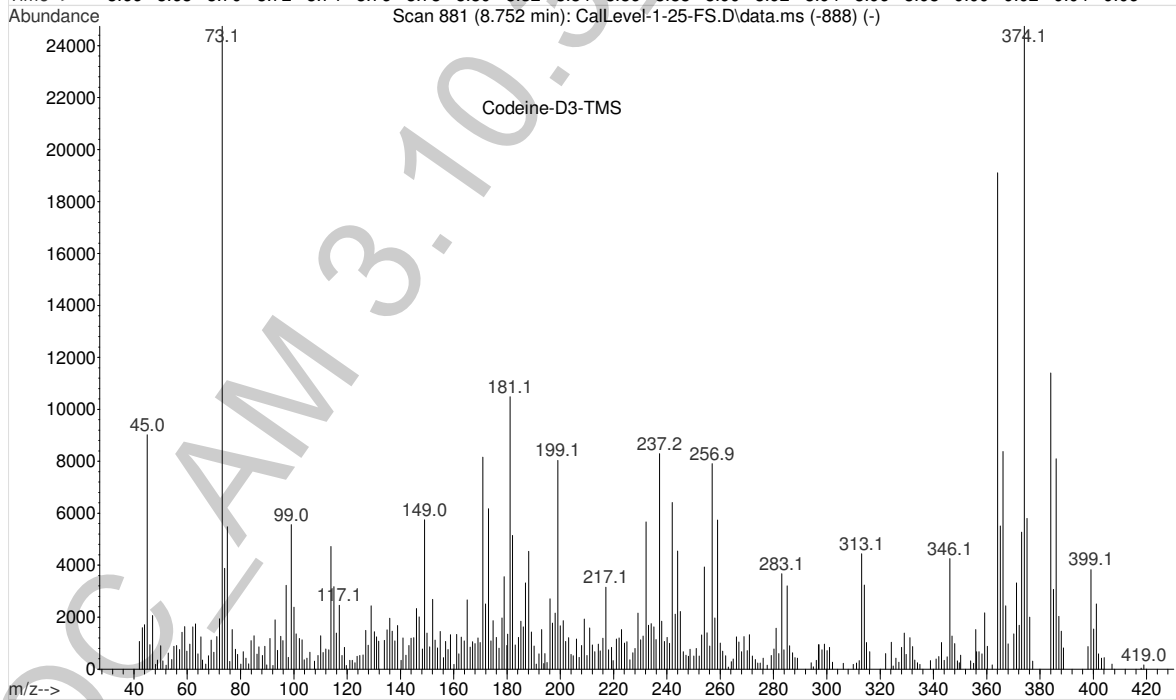
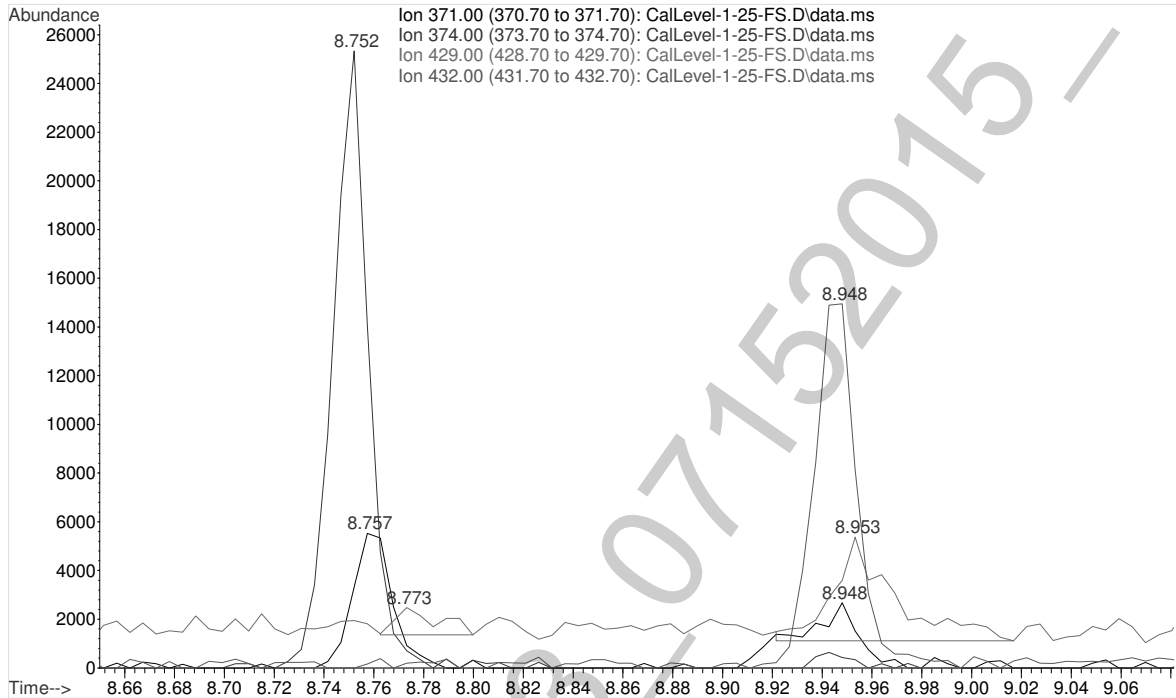


Quantitation Report (Not Reviewed)

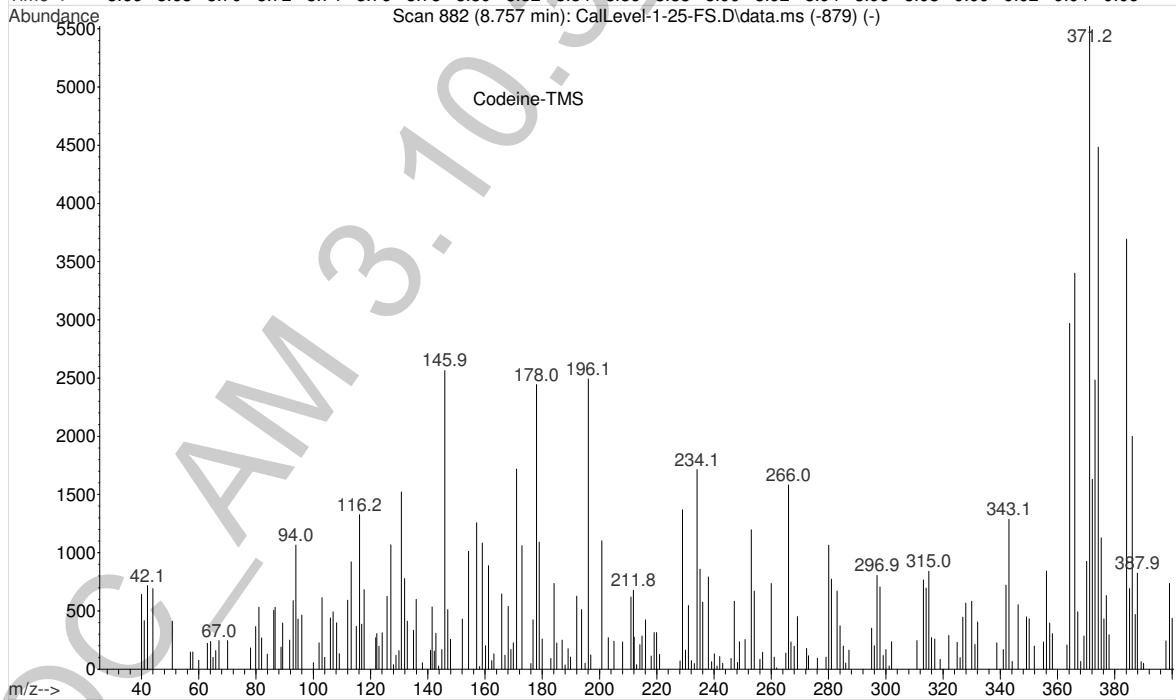
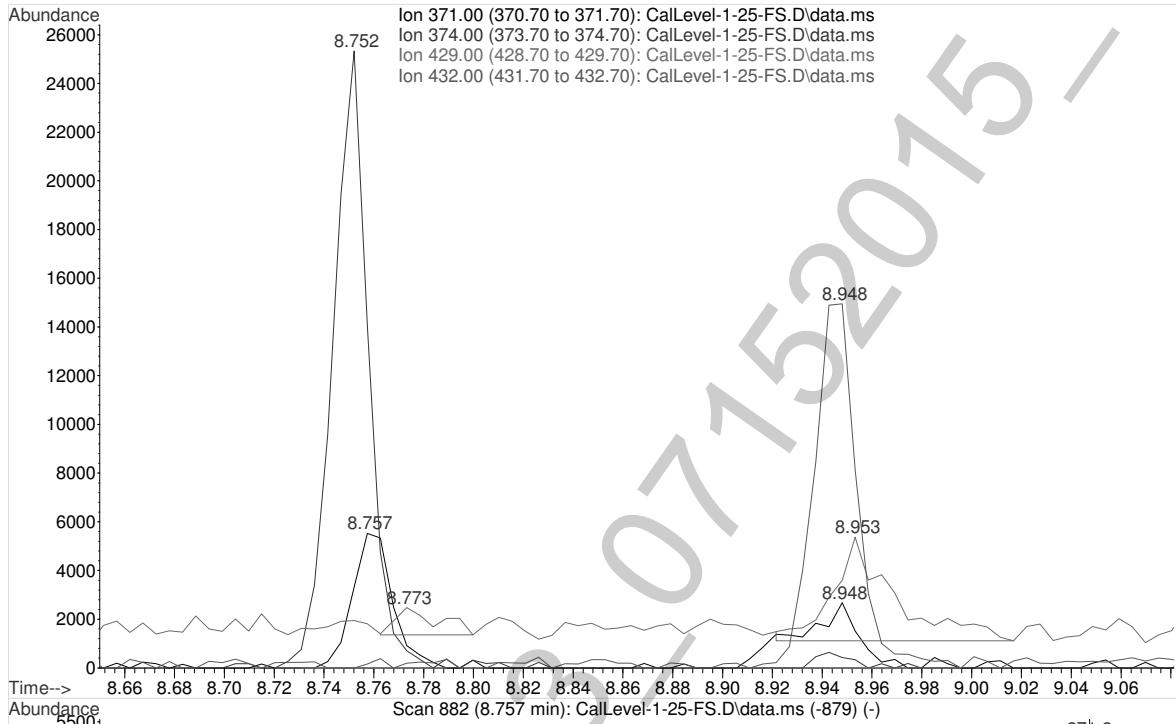
Data Path : F:\Data\071515 OP\
 Data File : CalLevel-1-25.D
 Acq On : 15 Jul 2015 16:57
 Operator : C Shrum
 Sample : Calibrator Level 1: 25ng/mL
 Misc : Analytical Method 3.10.3
 ALS Vial : 2 Sample Multiplier: 1



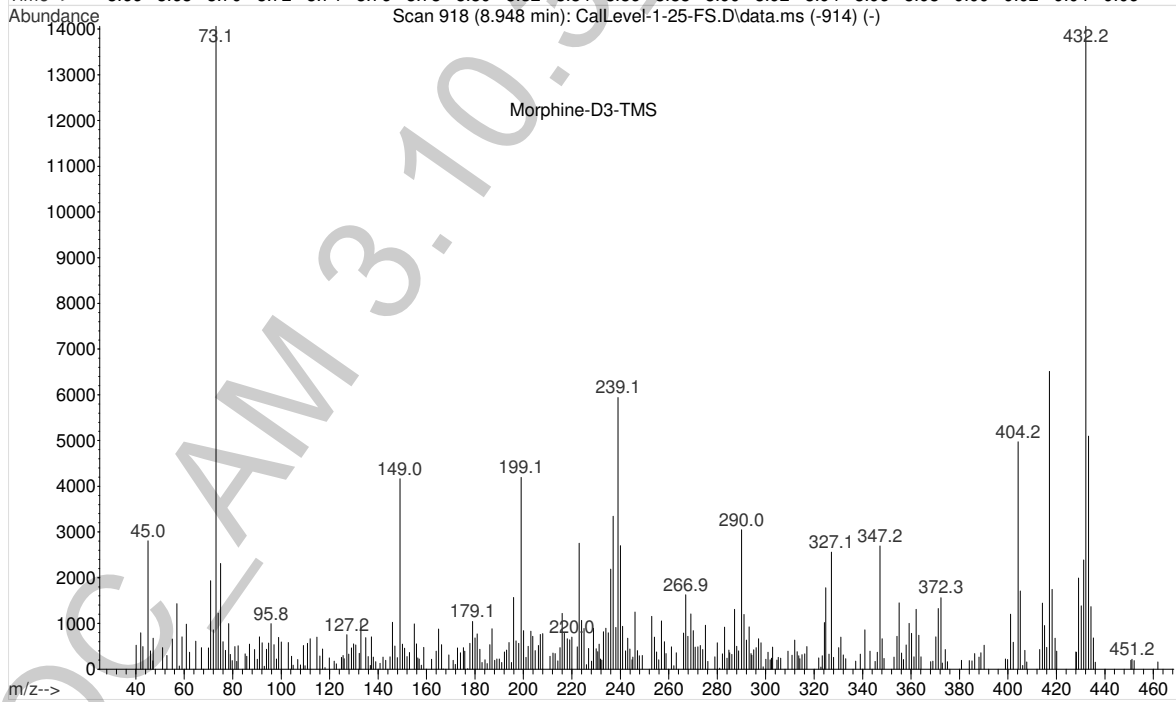
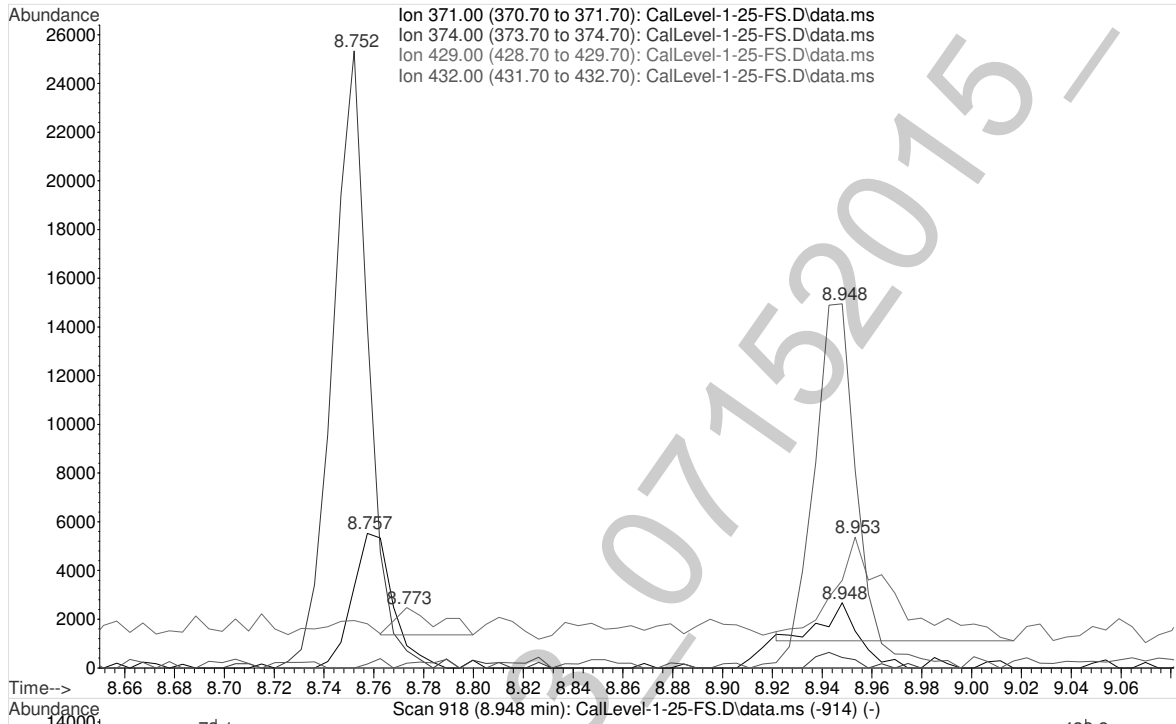
File : F:\Data\071515 OP\CalLevel-1-25-FS.D
Operator : C Shrum
Acquired : 17 Jul 2015 9:16 using AcqMethod AM3-10-3-FS.M
Instrument : Probie
Sample Name: Calibrator Level 1: 25ng/mL
Misc Info : Analytical Method 3.10.3
Vial Number: 2



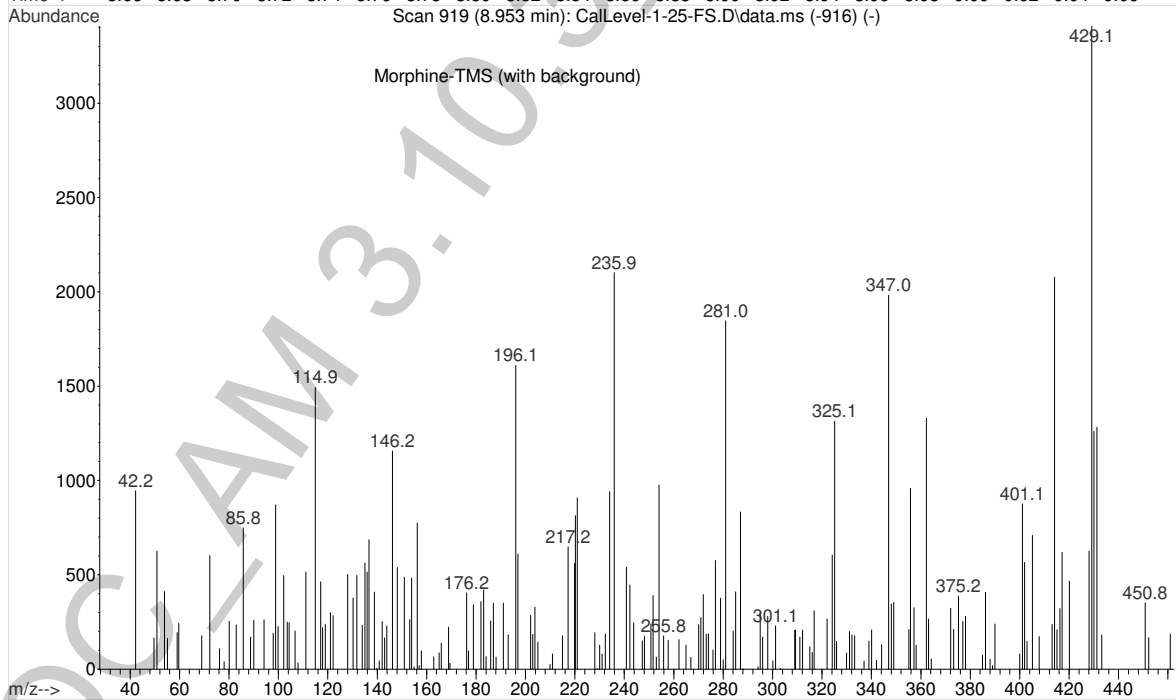
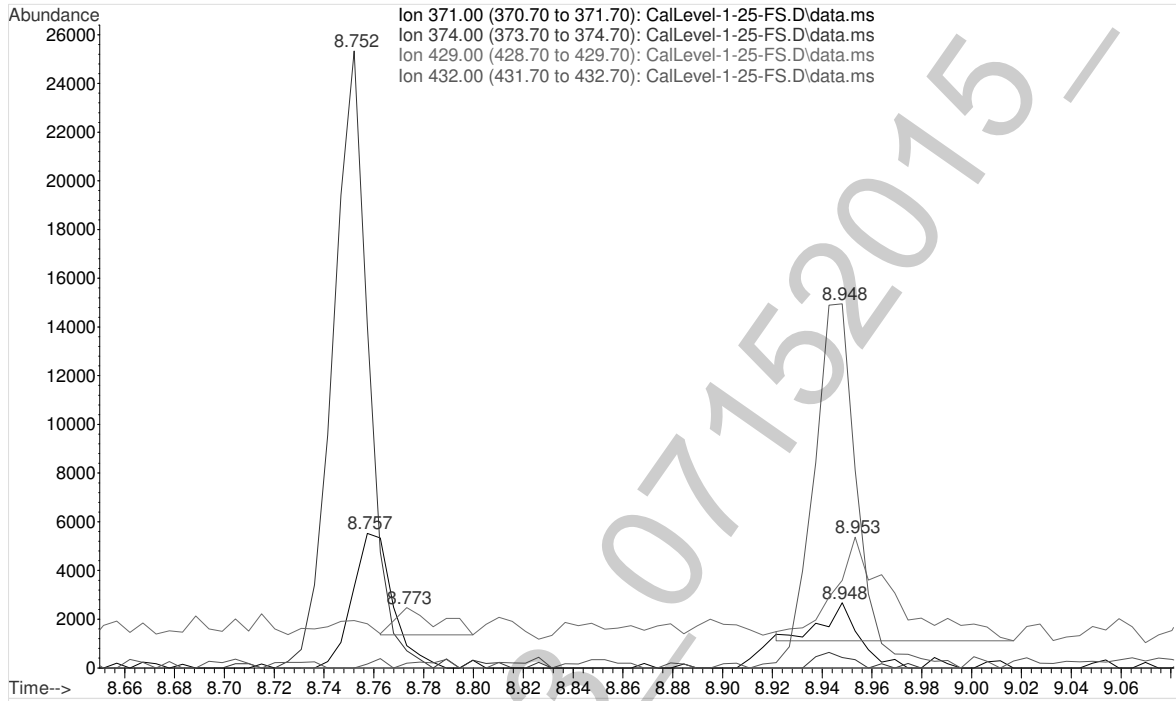
File : F:\Data\071515 OP\CalLevel-1-25-FS.D
Operator : C Shrum
Acquired : 17 Jul 2015 9:16 using AcqMethod AM3-10-3-FS.M
Instrument : Probie
Sample Name: Calibrator Level 1: 25ng/mL
Misc Info : Analytical Method 3.10.3
Vial Number: 2



File : F:\Data\071515 OP\CalLevel-1-25-FS.D
Operator : C Shrum
Acquired : 17 Jul 2015 9:16 using AcqMethod AM3-10-3-FS.M
Instrument : Probie
Sample Name: Calibrator Level 1: 25ng/mL
Misc Info : Analytical Method 3.10.3
Vial Number: 2



File : F:\Data\071515 OP\CalLevel-1-25-FS.D
Operator : C Shrum
Acquired : 17 Jul 2015 9:16 using AcqMethod AM3-10-3-FS.M
Instrument : Probie
Sample Name: Calibrator Level 1: 25ng/mL
Misc Info : Analytical Method 3.10.3
Vial Number: 2



Quantitation Report (Not Reviewed)

Data Path : F:\Data\071515 OP\
 Data File : CalLevel-2-50.D
 Acq On : 15 Jul 2015 17:15
 Operator : C Shrum
 Sample : Calibrator Level 2: 50ng/mL
 Misc : Analytical Method 3.10.3
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 16 14:58:23 2015
 Quant Method : F:\Methods\AM-3-10-3-D3- All levels.M
 Quant Title :
 QLast Update : Thu Jul 16 14:42:44 2015
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Codeine-D3-TMS	8.731	374	30346	100.00	ng/mL	0.00
3) Morphine-D3-TMS	8.926	432	18088	100.00	ng/mL	0.00
Target Compounds						
2) Codeine-D3	8.741	371	15265	42.05	ng/mL	100
4) Morphine-TMS	8.933	429	36023	67.91	ng/mL *	100

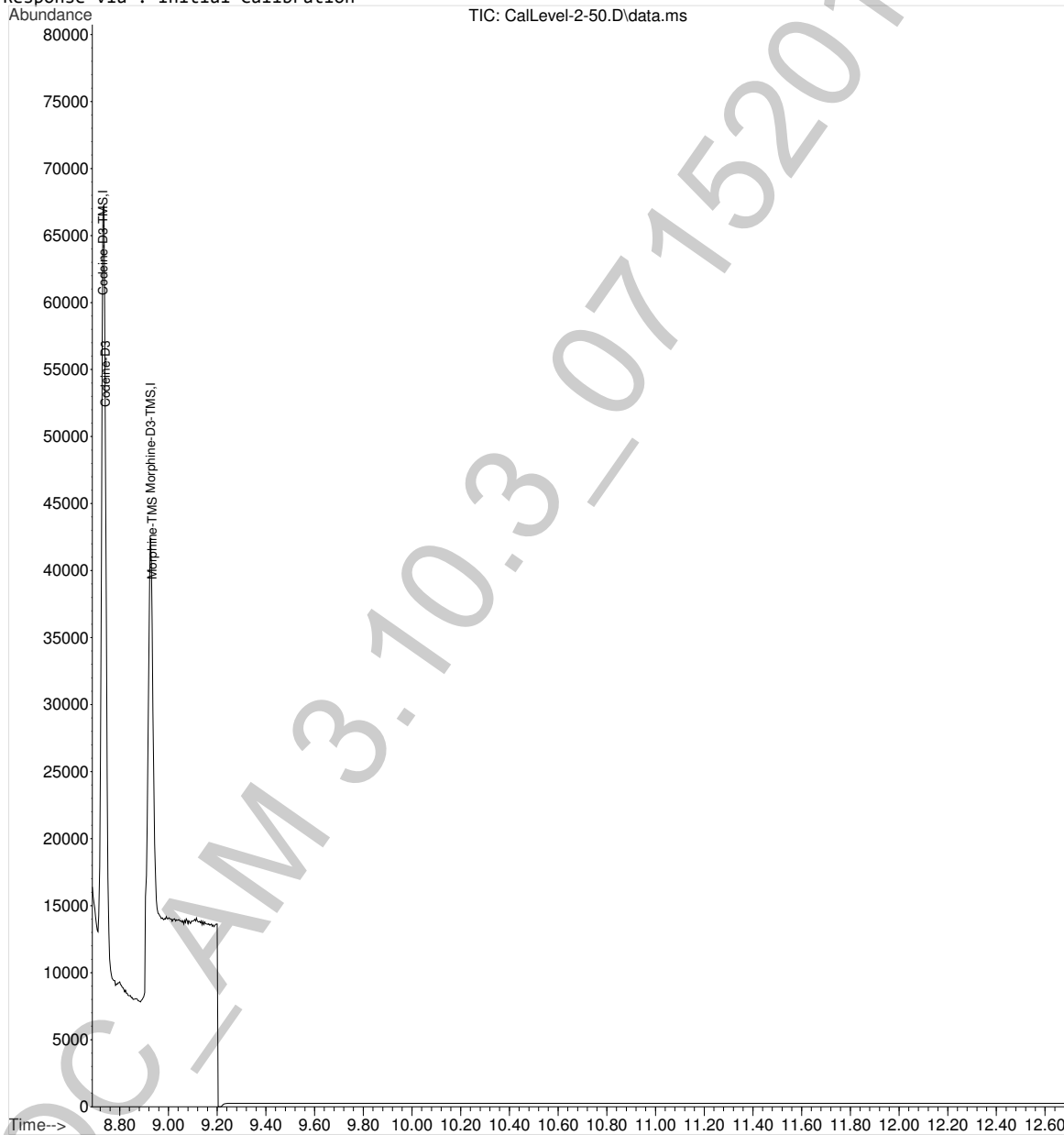
(#) = qualifier out of range (m) = manual integration (+) = signals summed

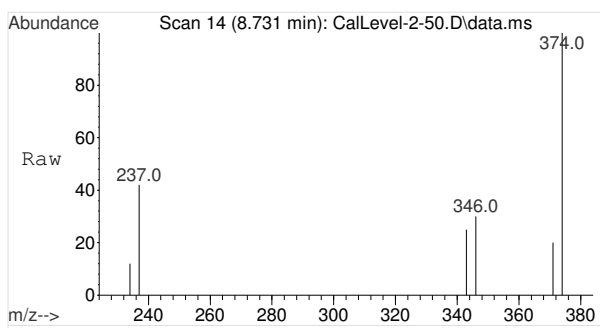
*Quantity not within 20% expected range- for qualitative use only.

Quantitation Report (Not Reviewed)

Data Path : F:\Data\071515 OP\
Data File : CalLevel-2-50.D
Acq On : 15 Jul 2015 17:15
Operator : C Shrum
Sample : Calibrator Level 2: 50ng/mL
Misc : Analytical Method 3.10.3
ALS Vial : 3 Sample Multiplier: 1

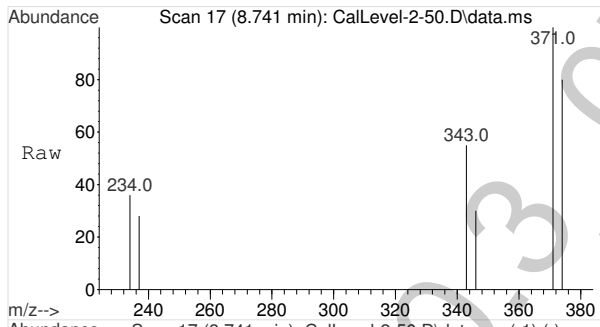
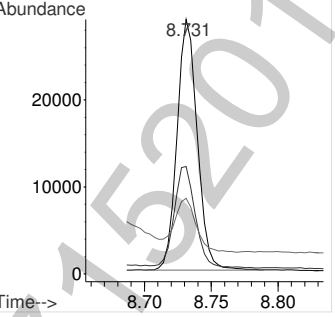
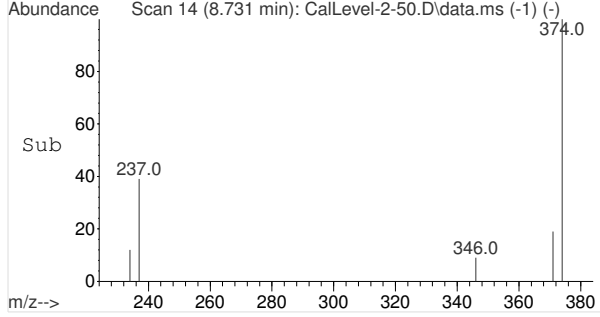
Quant Time: Jul 16 14:58:23 2015
Quant Method : F:\Methods\AM-3-10-3-D3- All levels.M
Quant Title :
QLast Update : Thu Jul 16 14:42:44 2015
Response via : Initial Calibration





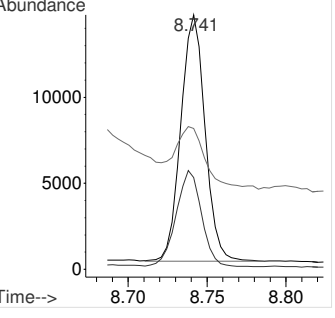
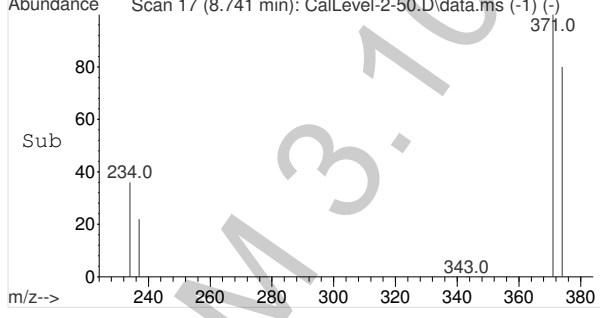
#1
 Codeine-D3-TMS
 Concen: 100.00 ng/mL
 RT: 8.731 min Scan# 14
 Delta R.T. 0.000 min
 Lab File: CalLevel-2-50.D
 Acq: 15 Jul 2015 17:15

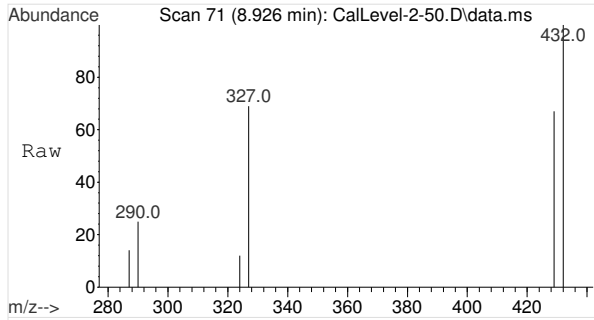
Tgt Ion	Resp	Lower	Upper
374	30346		
237	42.7	34.2	51.2
346	24.0	19.2	28.8



#2
 Codeine-D3
 Concen: 42.05 ng/mL
 RT: 8.741 min Scan# 17
 Delta R.T. -0.001 min
 Lab File: CalLevel-2-50.D
 Acq: 15 Jul 2015 17:15

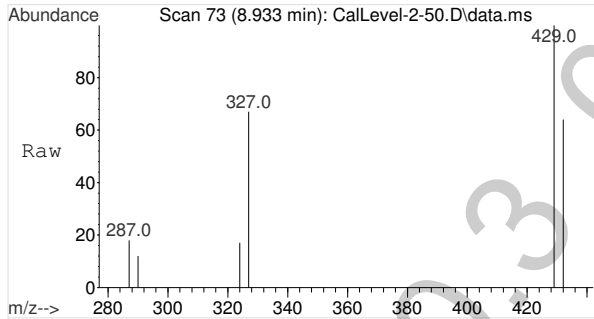
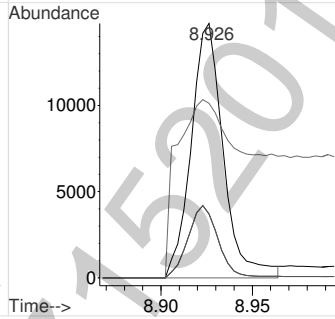
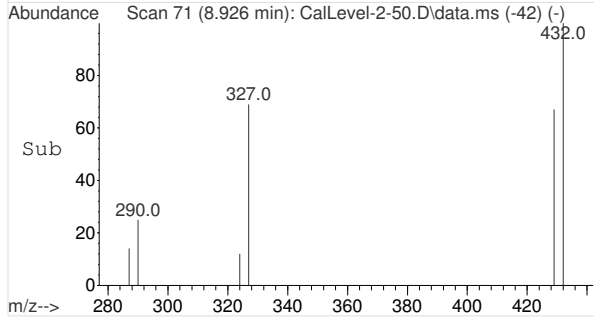
Tgt Ion	Resp	Lower	Upper
371	15265		
234	41.0	32.8	49.2
343	32.8	26.2	39.4





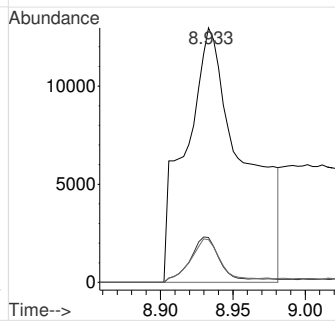
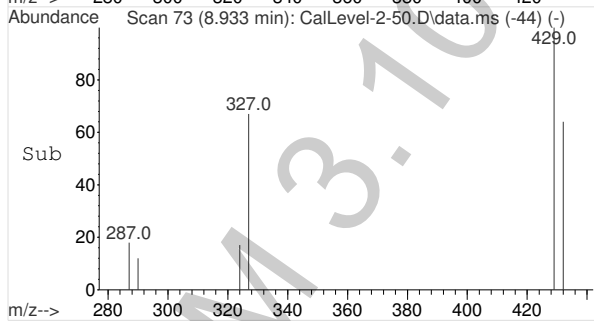
#3
 Morphine-D3-TMS
 Concen: 100.00 ng/mL
 RT: 8.926 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: CalLevel-2-50.D
 Acq: 15 Jul 2015 17:15

Tgt Ion	Resp	Lower	Upper
432	18088		
290	27.0	21.6	32.4
327	182.8	146.2	219.4
290	27.0	21.6	32.4



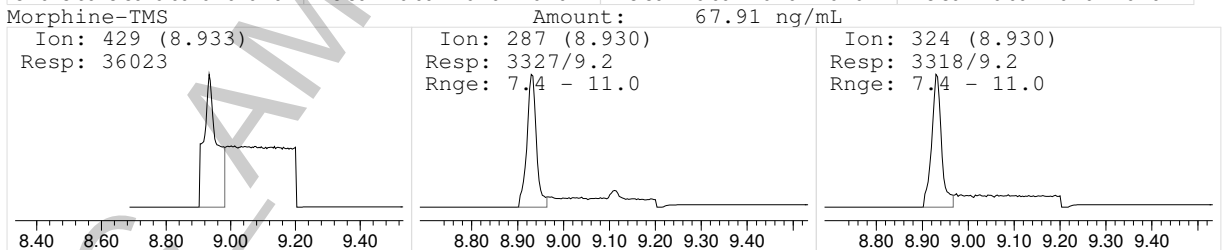
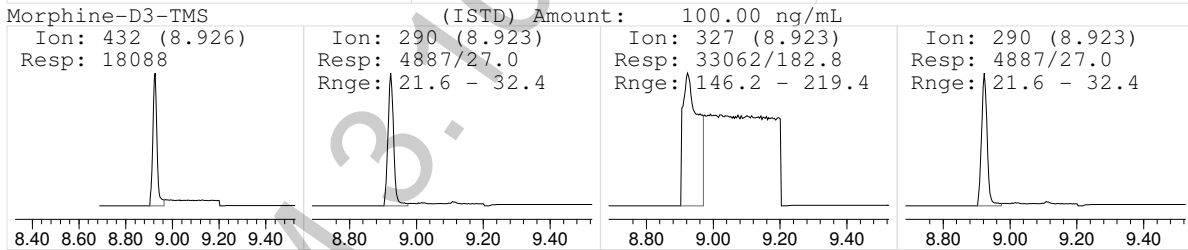
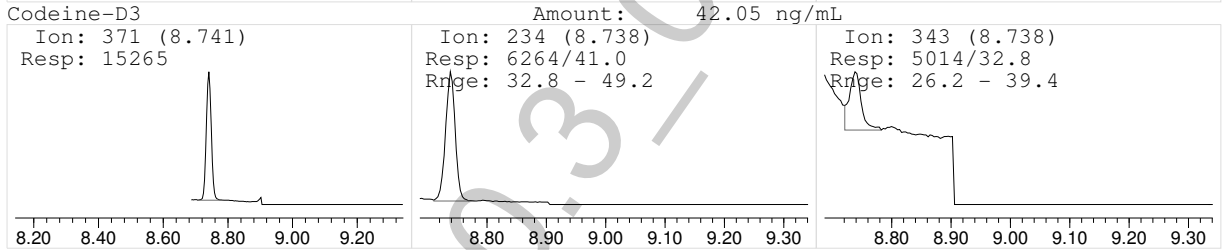
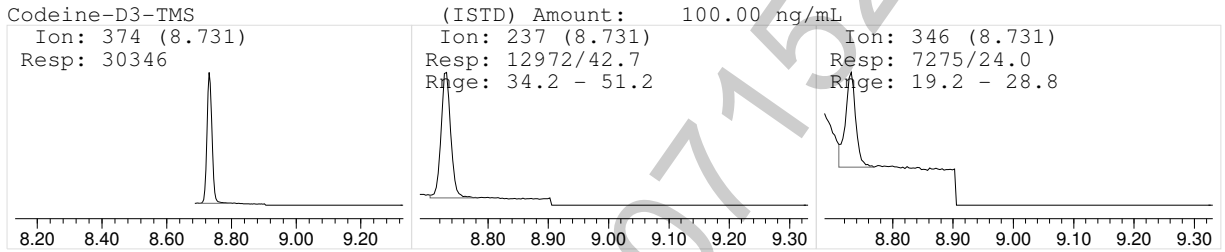
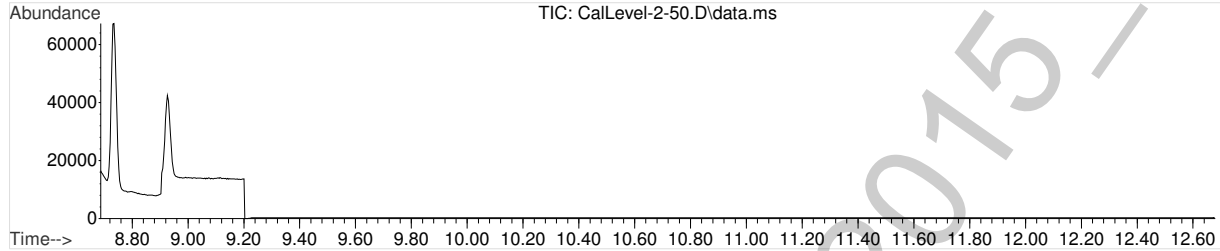
#4
 Morphine-TMS
 Concen: 67.91 ng/mL
 RT: 8.933 min Scan# 73
 Delta R.T. 0.000 min
 Lab File: CalLevel-2-50.D
 Acq: 15 Jul 2015 17:15

Tgt Ion	Resp	Lower	Upper
429	36023		
287	9.2	7.4	11.0
324	9.2	7.4	11.0



Quantitation Report (Not Reviewed)

Data Path : F:\Data\071515 OP\
 Data File : CalLevel-2-50.D
 Acq On : 15 Jul 2015 17:15
 Operator : C Shrum
 Sample : Calibrator Level 2: 50ng/mL
 Misc : Analytical Method 3.10.3
 ALS Vial : 3 Sample Multiplier: 1



Quantitation Report (Not Reviewed)

Data Path : F:\Data\071515 OP\
 Data File : CalLevel-3-100.D
 Acq On : 15 Jul 2015 17:34
 Operator : C Shrum
 Sample : Calibrator Level 3: 100ng/mL
 Misc : Analytical Method 3.10.3
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 16 14:59:11 2015
 Quant Method : F:\Methods\AM-3-10-3-D3- All levels.M
 Quant Title :
 QLast Update : Thu Jul 16 14:42:44 2015
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Codeine-D3-TMS	8.731	374	33238	100.00	ng/mL	0.00
3) Morphine-D3-TMS	8.926	432	20565	100.00	ng/mL	0.00
Target Compounds						
2) Codeine-D3	8.742	371	34412	99.67	ng/mL	94
4) Morphine-TMS	8.933	429	42810	80.24	ng/mL# *	86

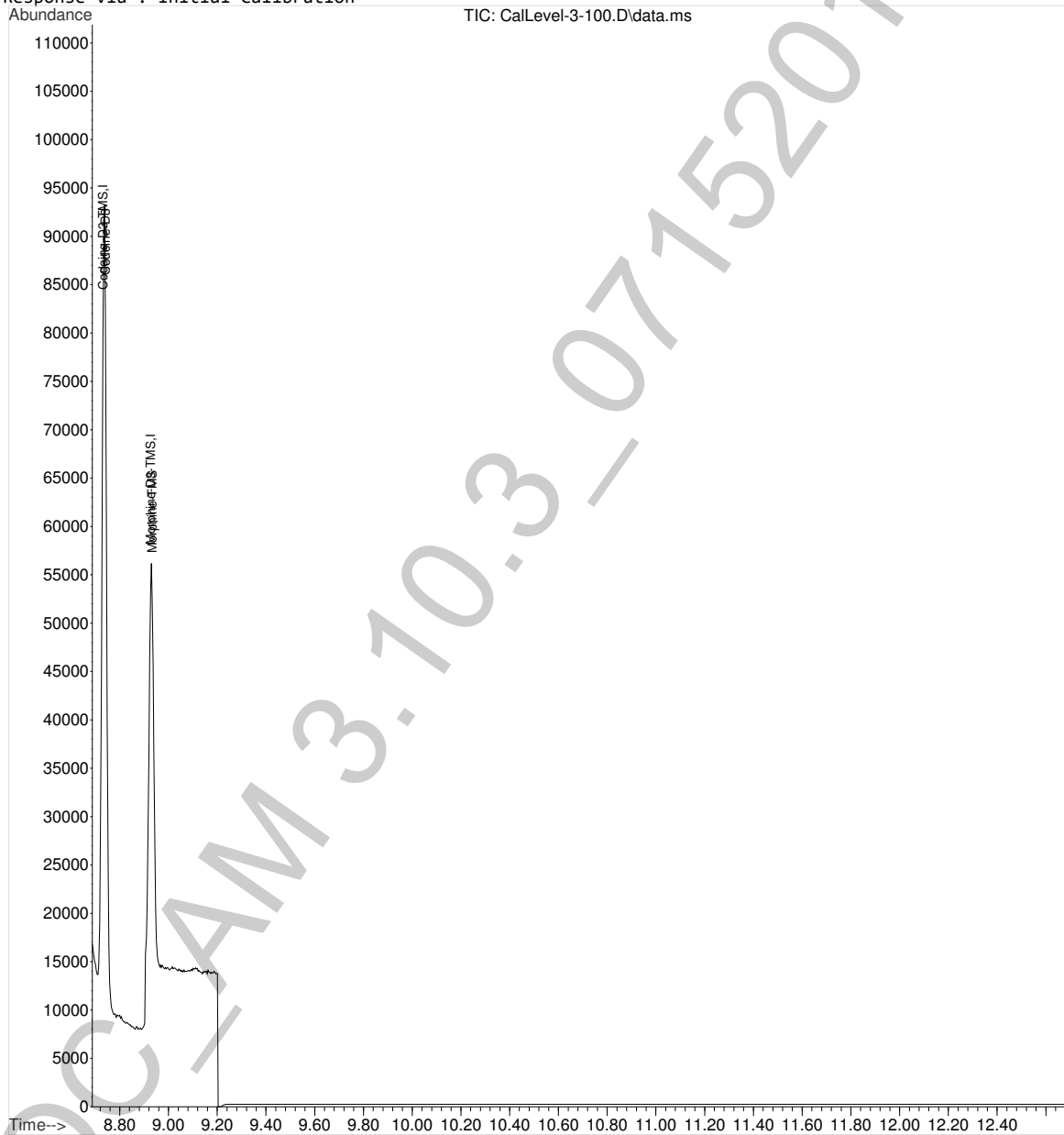
(#) = qualifier out of range (m) = manual integration (+) = signals summed

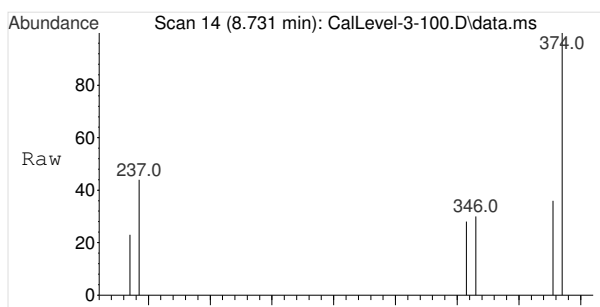
*Refer to manual integration.

Quantitation Report (Not Reviewed)

Data Path : F:\Data\071515 OP\
Data File : CalLevel-3-100.D
Acq On : 15 Jul 2015 17:34
Operator : C Shrum
Sample : Calibrator Level 3: 100ng/mL
Misc : Analytical Method 3.10.3
ALS Vial : 4 Sample Multiplier: 1

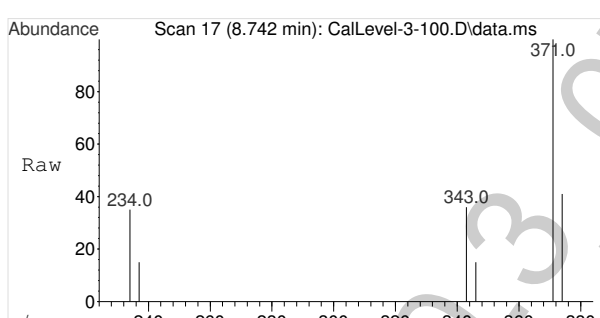
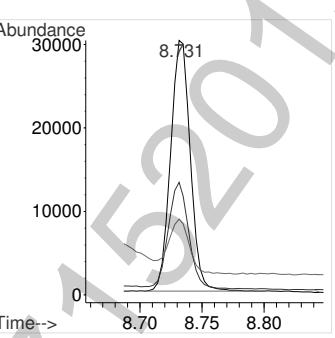
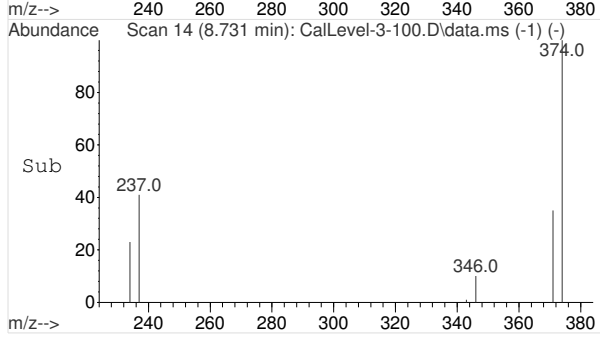
Quant Time: Jul 16 14:59:11 2015
Quant Method : F:\Methods\AM-3-10-3-D3- All levels.M
Quant Title :
QLast Update : Thu Jul 16 14:42:44 2015
Response via : Initial Calibration





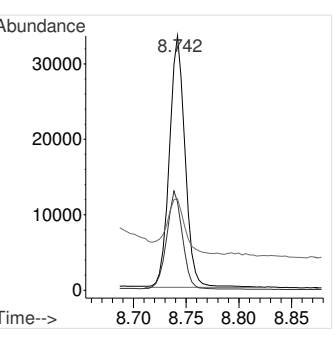
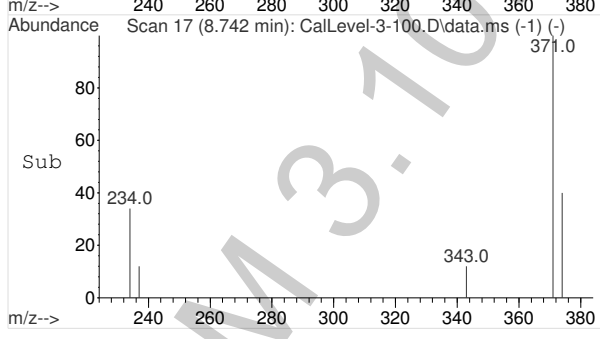
#1
 Codeine-D3-TMS
 Concen: 100.00 ng/mL
 RT: 8.731 min Scan# 14
 Delta R.T. 0.000 min
 Lab File: CalLevel-3-100.D
 Acq: 15 Jul 2015 17:34

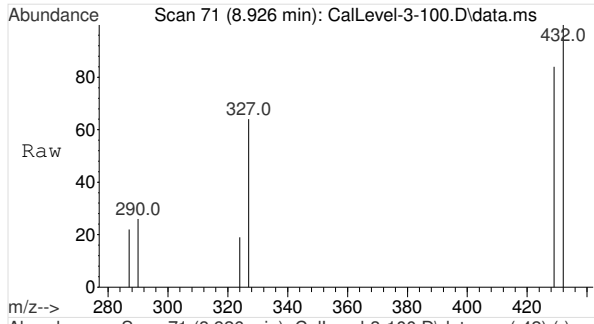
Tgt Ion	Resp	Lower	Upper
374	33238		
237	43.7	34.2	51.2
346	24.1	19.2	28.8



#2
 Codeine-D3
 Concen: 99.67 ng/mL
 RT: 8.742 min Scan# 17
 Delta R.T. -0.000 min
 Lab File: CalLevel-3-100.D
 Acq: 15 Jul 2015 17:34

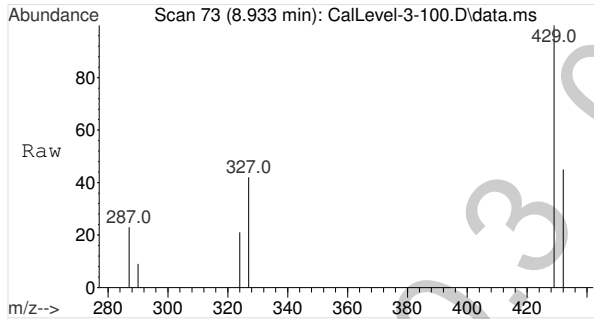
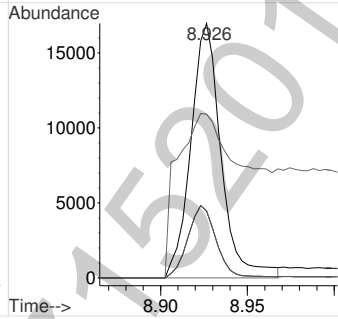
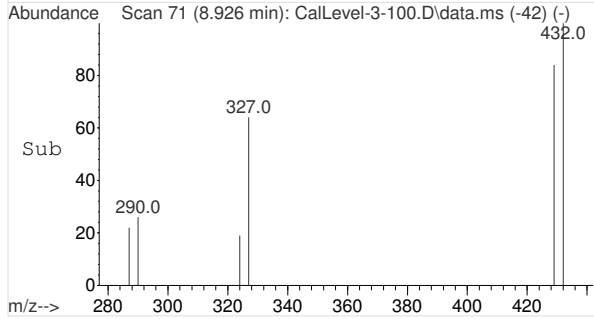
Tgt Ion	Resp	Lower	Upper
371	34412		
234	38.9	32.8	49.2
343	27.2	26.2	39.4





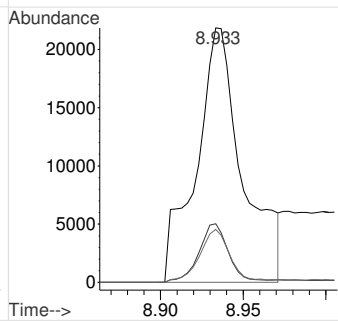
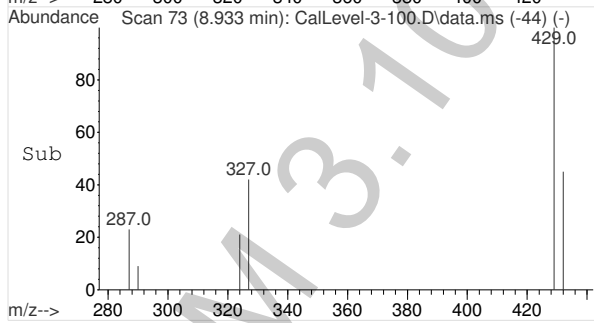
#3
 Morphine-D3-TMS
 Concen: 100.00 ng/mL
 RT: 8.926 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: CalLevel-3-100.D
 Acq: 15 Jul 2015 17:34

Tgt Ion	Resp	Lower	Upper
432	20565		
290	26.8	21.6	32.4
327	152.3	146.2	219.4
290	26.8	21.6	32.4



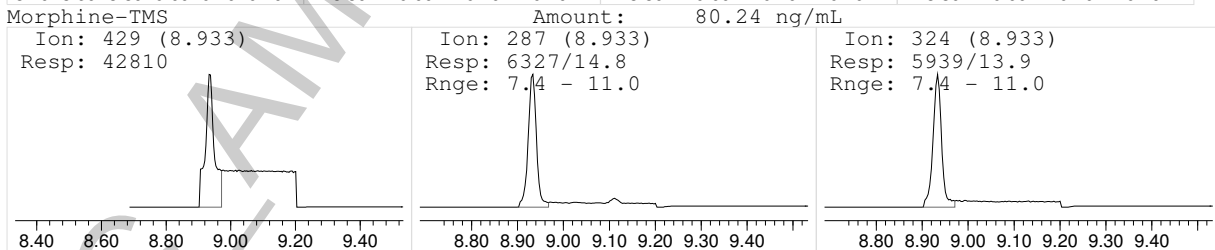
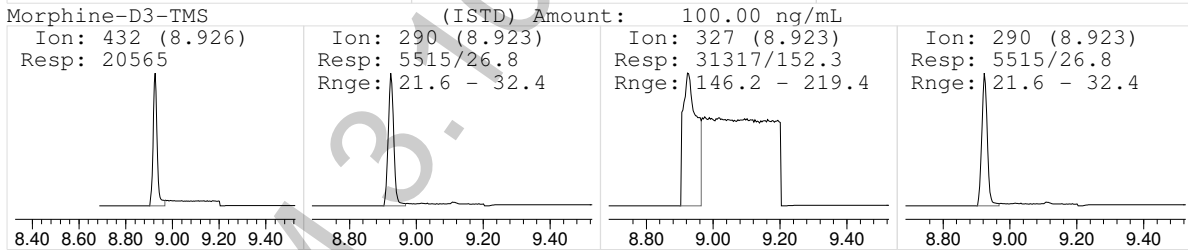
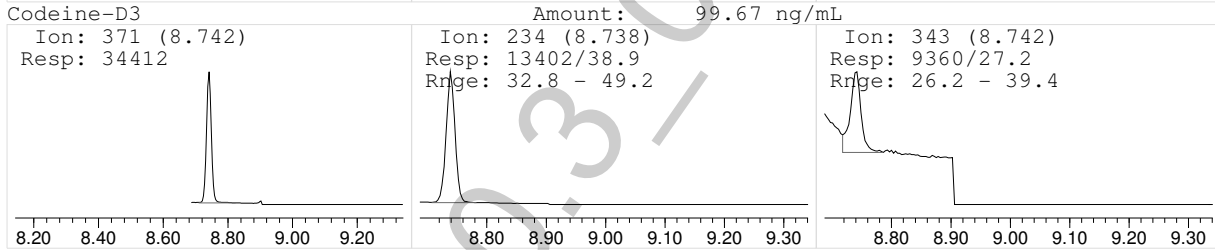
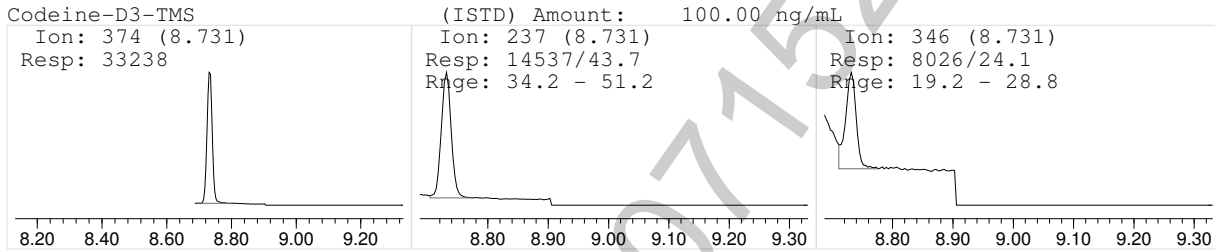
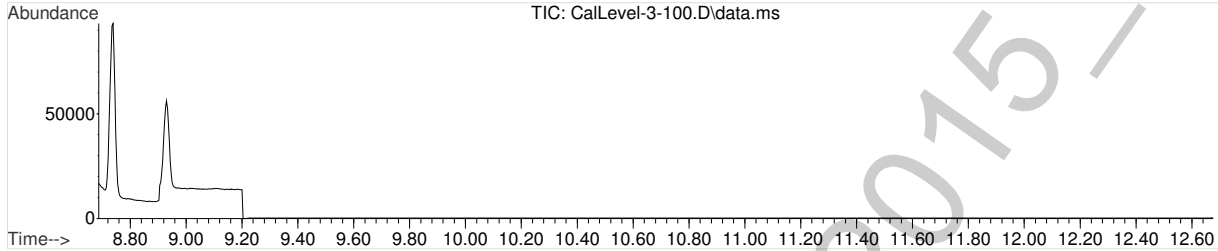
#4
 Morphine-TMS
 Concen: 80.24 ng/mL
 RT: 8.933 min Scan# 73
 Delta R.T. 0.000 min
 Lab File: CalLevel-3-100.D
 Acq: 15 Jul 2015 17:34

Tgt Ion	Resp	Lower	Upper
429	42810		
287	14.8	7.4	11.0#
324	13.9	7.4	11.0#



Quantitation Report (Not Reviewed)

Data Path : F:\Data\071515 OP\
 Data File : CalLevel-3-100.D
 Acq On : 15 Jul 2015 17:34
 Operator : C Shrum
 Sample : Calibrator Level 3: 100ng/mL
 Misc : Analytical Method 3.10.3
 ALS Vial : 4 Sample Multiplier: 1



Quantitation Report (QT Reviewed)

Data Path : F:\Data\071515 OP\
 Data File : CalLevel-3-100.D
 Acq On : 15 Jul 2015 17:34
 Operator : C Shrum
 Sample : Calibrator Level 3: 100ng/mL
 Misc : Analytical Method 3.10.3
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 16 14:59:11 2015
 Quant Method : F:\Methods\AM-3-10-3-D3- All levels.M
 Quant Title :
 QLast Update : Thu Jul 16 14:42:44 2015
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Codeine-D3-TMS	8.731	374	33238	100.00	ng/mL	0.00
3) Morphine-D3-TMS	8.926	432	20565	100.00	ng/mL	0.00
Target Compounds						
2) Codeine-D3	8.742	371	34412	99.67	ng/mL	94
4) Morphine-TMS	8.933	429	58885m	187.15	ng/mL *	

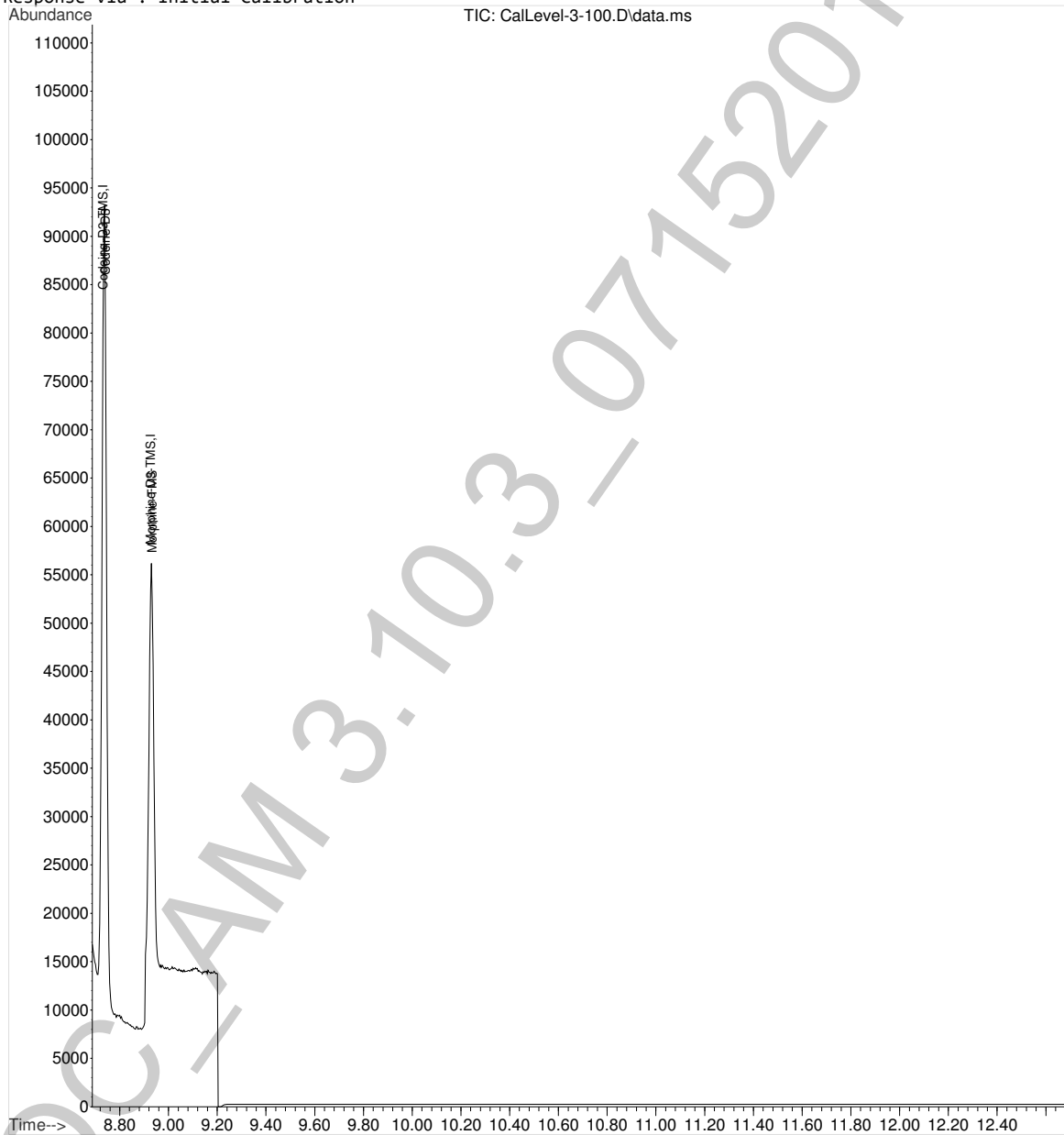
(#) = qualifier out of range (m) = manual integration (+) = signals summed

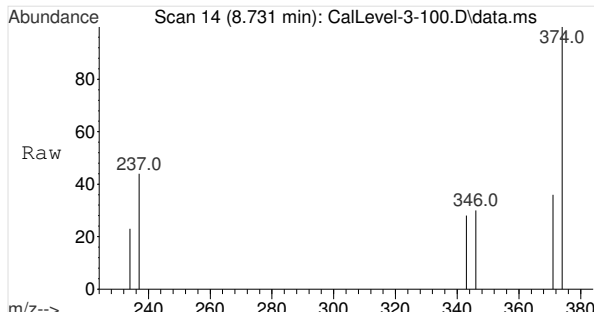
*Quantity not within 20% expected range. For qualitative use only.

Quantitation Report (QT Reviewed)

Data Path : F:\Data\071515 OP\
Data File : CalLevel-3-100.D
Acq On : 15 Jul 2015 17:34
Operator : C Shrum
Sample : Calibrator Level 3: 100ng/mL
Misc : Analytical Method 3.10.3
ALS Vial : 4 Sample Multiplier: 1

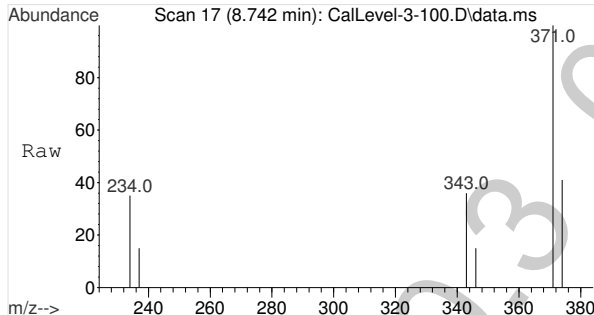
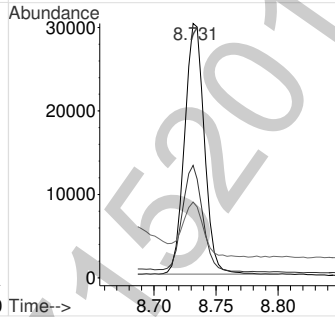
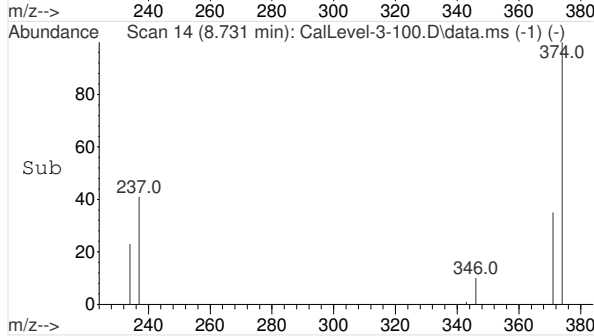
Quant Time: Jul 16 14:59:11 2015
Quant Method : F:\Methods\AM-3-10-3-D3- All levels.M
Quant Title :
QLast Update : Thu Jul 16 14:42:44 2015
Response via : Initial Calibration





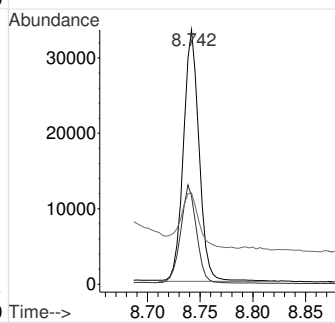
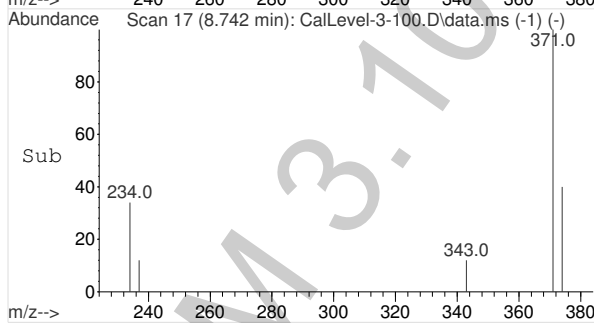
#1
 Codeine-D3-TMS
 Concen: 100.00 ng/mL
 RT: 8.731 min Scan# 14
 Delta R.T. 0.000 min
 Lab File: CalLevel-3-100.D
 Acq: 15 Jul 2015 17:34

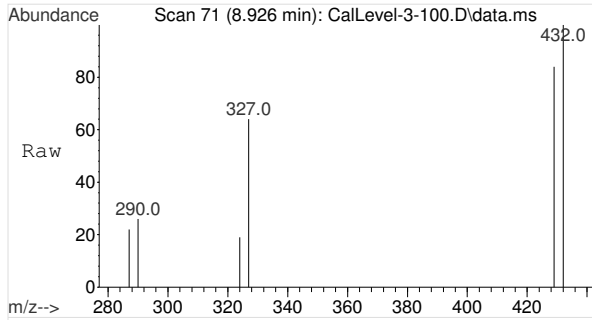
Tgt Ion	Resp	Lower	Upper
374	33238		
374	100		
237	43.7	34.2	51.2
346	24.1	19.2	28.8



#2
 Codeine-D3
 Concen: 99.67 ng/mL
 RT: 8.742 min Scan# 17
 Delta R.T. -0.000 min
 Lab File: CalLevel-3-100.D
 Acq: 15 Jul 2015 17:34

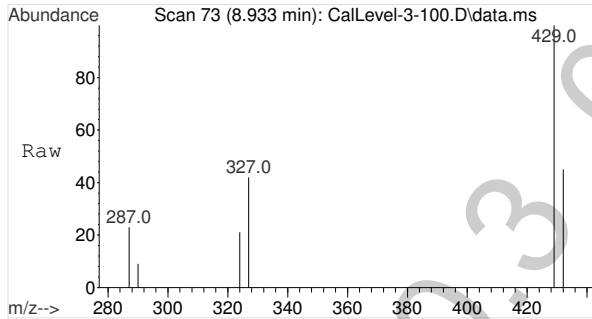
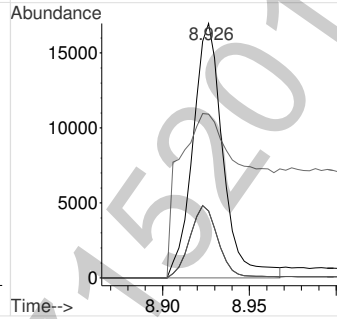
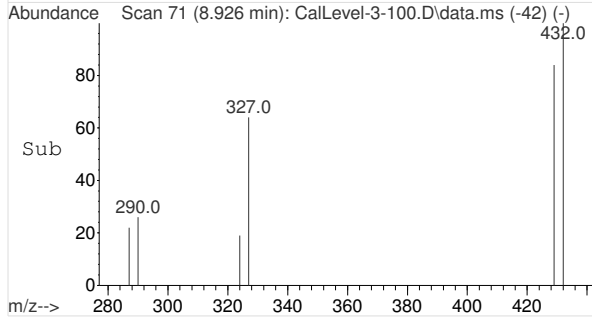
Tgt Ion	Resp	Lower	Upper
371	34412		
371	100		
234	38.9	32.8	49.2
343	27.2	26.2	39.4





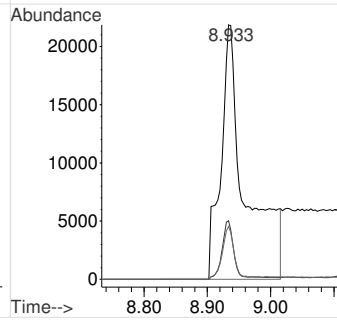
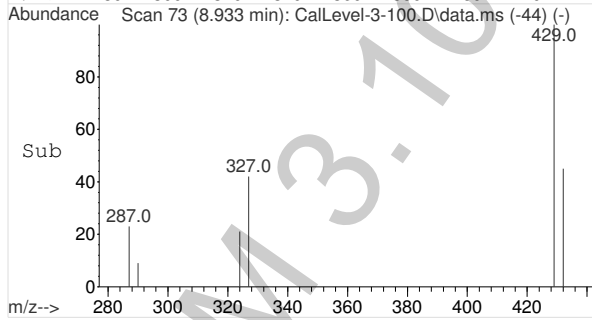
#3
 Morphine-D3-TMS
 Concen: 100.00 ng/mL
 RT: 8.926 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: CalLevel-3-100.D
 Acq: 15 Jul 2015 17:34

Tgt Ion	Resp	Lower	Upper
432	20565	100	100
290	26.8	21.6	32.4
327	152.3	146.2	219.4
290	26.8	21.6	32.4



#4
 Morphine-TMS
 Concen: 187.15 ng/mL m
 RT: 8.933 min Scan# 73
 Delta R.T. 0.000 min
 Lab File: CalLevel-3-100.D
 Acq: 15 Jul 2015 17:34

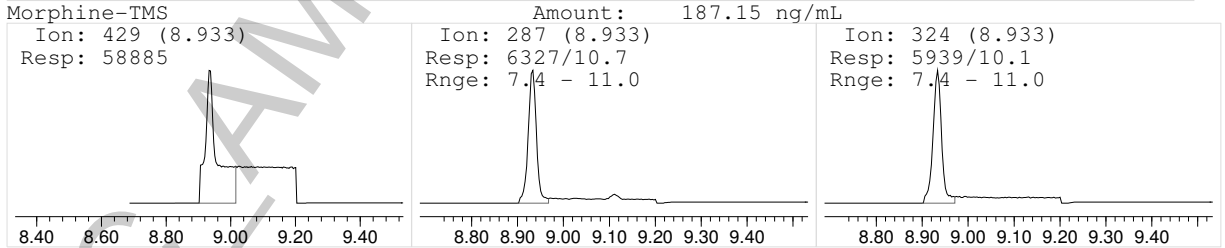
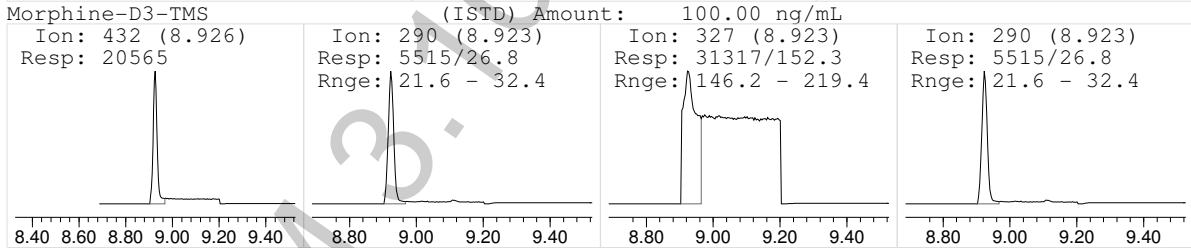
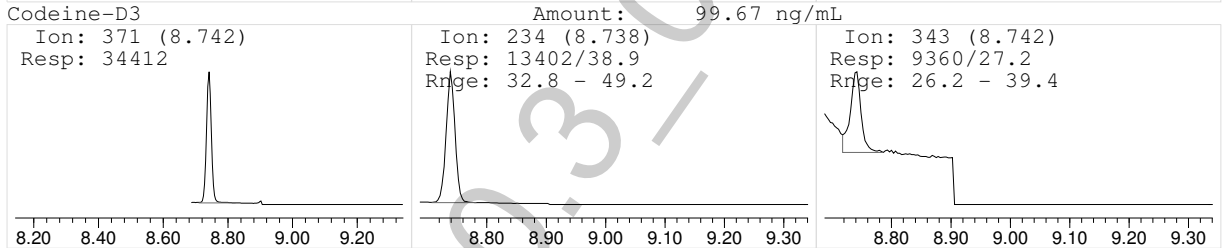
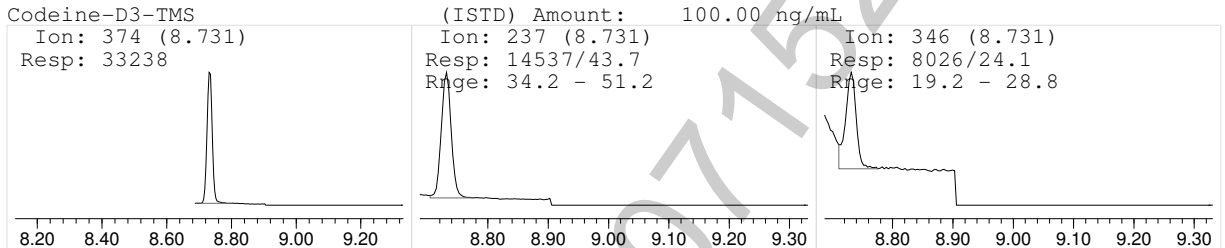
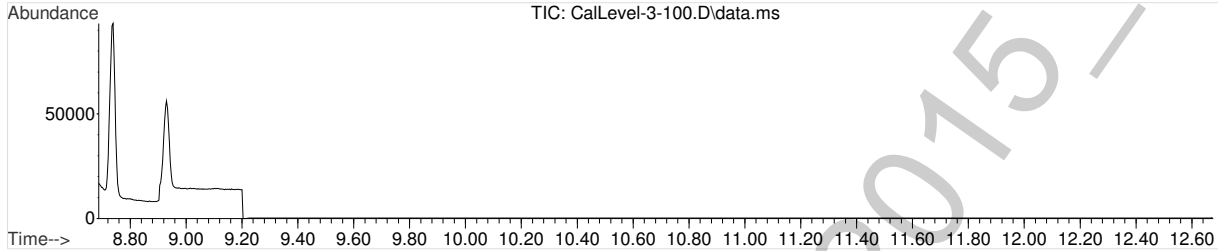
Tgt Ion	Resp	Lower	Upper
429	58885	100	100
287	10.7	7.4	11.0
324	10.1	7.4	11.0



Quantitation Report (QT Reviewed)

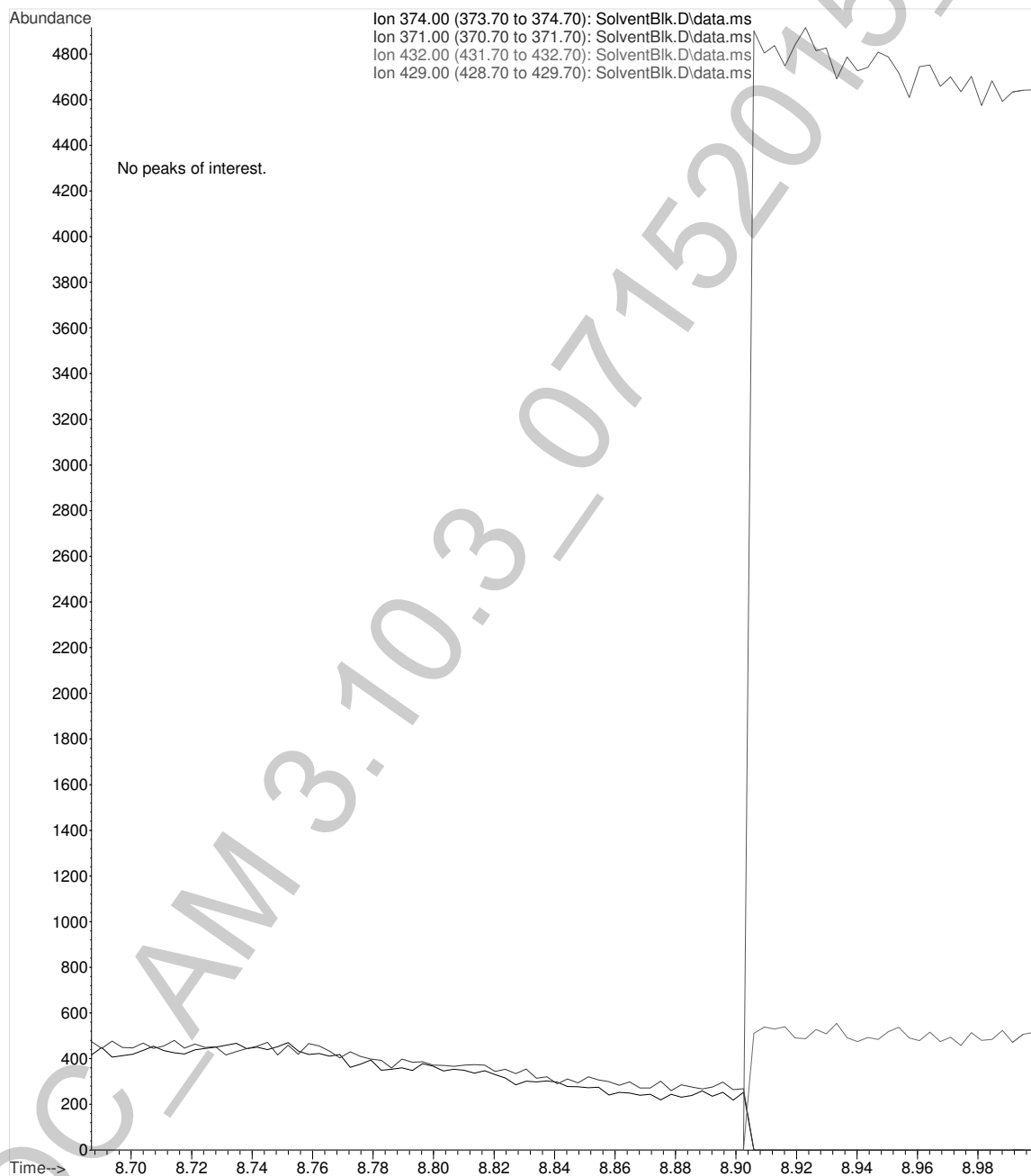
Data Path : F:\Data\071515 OP\
Data File : CalLevel-3-100.D
Acq On : 15 Jul 2015 17:34
Operator : C Shrum
Sample : Calibrator Level 3: 100ng/mL
Misc : Analytical Method 3.10.3
ALS Vial : 4 Sample Multiplier: 1

CDS *CS*



POC-AM-3-10-3-D...All levels.M

File :F:\Data\071515 OP\SolventBlk.D
Operator : C Shrum
Acquired : 15 Jul 2015 17:53 using AcqMethod AM-3-10-3-3.M
Instrument : Probie
Sample Name: Solvent Blank
Misc Info : CHCl3
Vial Number: 98



Quantitation Report (Not Reviewed)

Data Path : F:\Data\071515 OP\
Data File : PC-75-1.D
Acq On : 15 Jul 2015 22:32
Operator : C Shrum
Sample : 75ng/mL Positive Control
Misc : Analytical Method 3.10.3
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 16 15:02:33 2015
Quant Method : F:\Methods\AM-3-10-3-D3- All levels.M
Quant Title :
QLast Update : Thu Jul 16 14:42:44 2015
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Codeine-D3-TMS	8.731	374	30859	100.00	ng/mL	0.00
3) Morphine-D3-TMS	8.926	432	18168	100.00	ng/mL* #	0.00
Target Compounds						
2) Codeine-D3	8.742	371	28140	86.31	ng/mL# *	92
4) Morphine-TMS	8.937	429	27038	Below Cal	# *	76

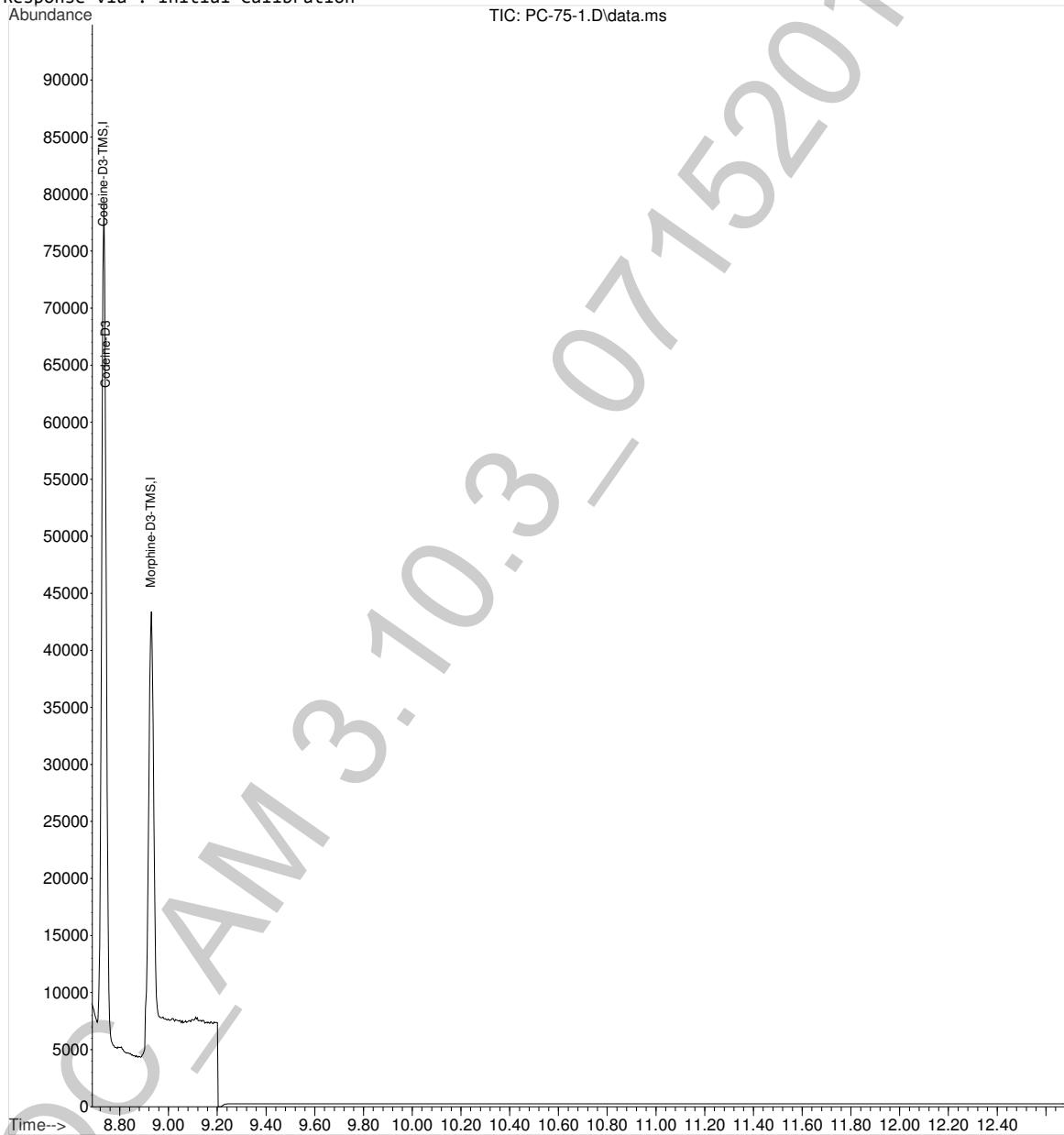
(#) = qualifier out of range (m) = manual integration (+) = signals summed

*Unable to manually integrate. Refer to full scan data.

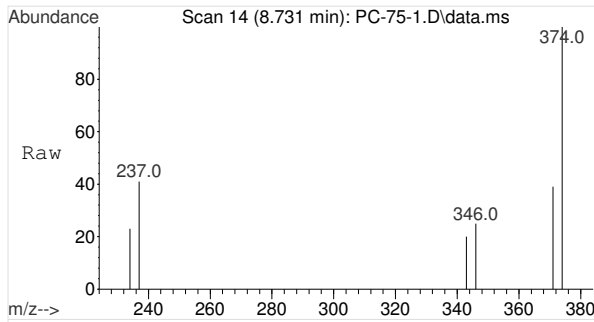
Quantitation Report (Not Reviewed)

Data Path : F:\Data\071515 OP\
Data File : PC-75-1.D
Acq On : 15 Jul 2015 22:32
Operator : C Shrum
Sample : 75ng/mL Positive Control
Misc : Analytical Method 3.10.3
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 16 15:02:33 2015
Quant Method : F:\Methods\AM-3-10-3-D3- All levels.M
Quant Title :
QLast Update : Thu Jul 16 14:42:44 2015
Response via : Initial Calibration

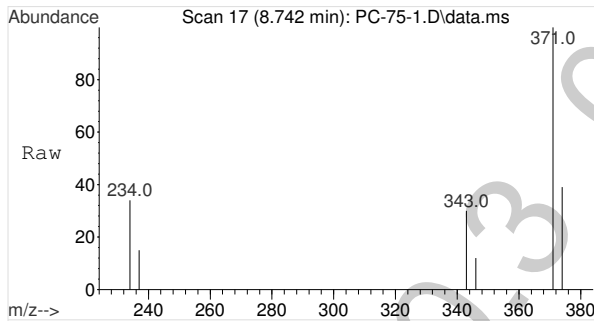
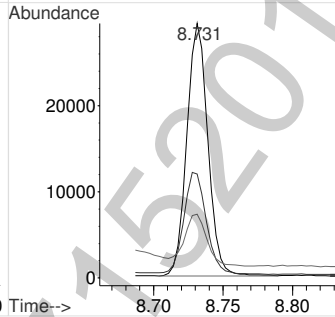
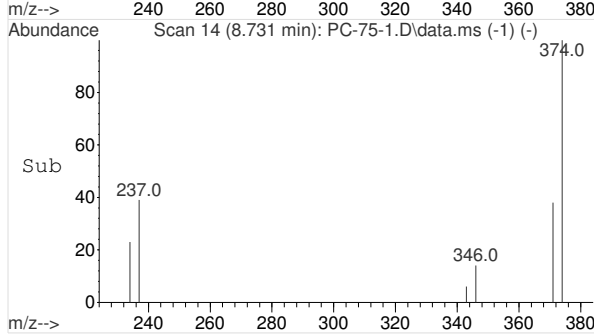


2



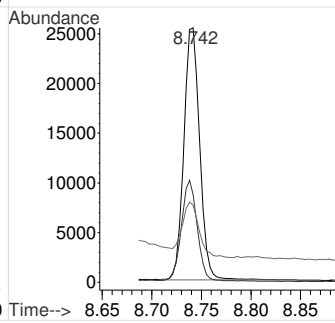
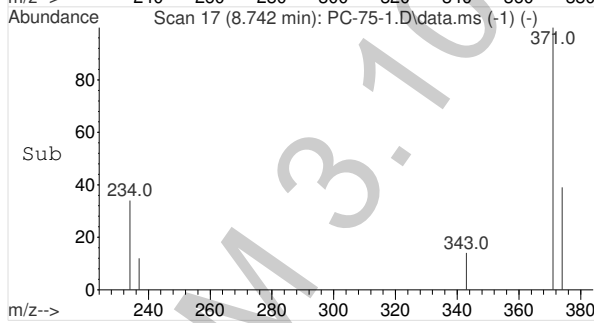
#1
Codeine-D3-TMS
Concen: 100.00 ng/mL
RT: 8.731 min Scan# 14
Delta R.T. 0.000 min
Lab File: PC-75-1.D
Acq: 15 Jul 2015 22:32

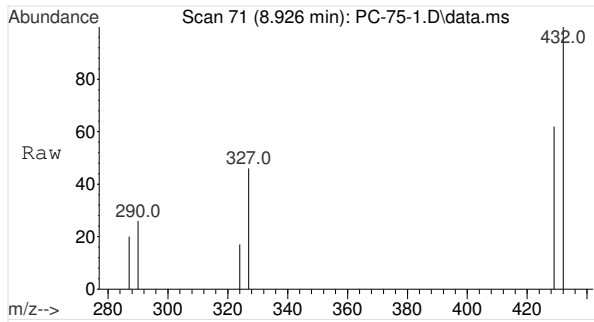
Tgt Ion	Resp	Lower	Upper
374	30859		
237	43.6	34.2	51.2
346	21.9	19.2	28.8



#2
Codeine-D3
Concen: 86.31 ng/mL
RT: 8.742 min Scan# 17
Delta R.T. -0.000 min
Lab File: PC-75-1.D
Acq: 15 Jul 2015 22:32

Tgt Ion	Resp	Lower	Upper
371	28140		
234	40.3	32.8	49.2
343	23.6	26.2	39.4

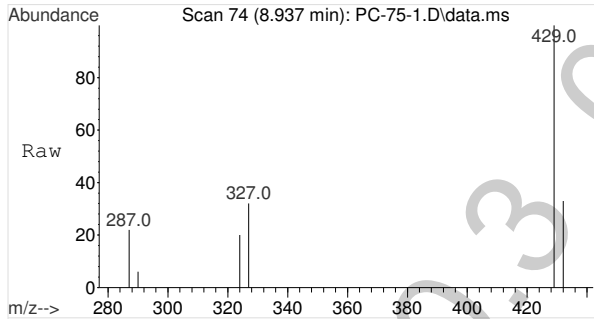
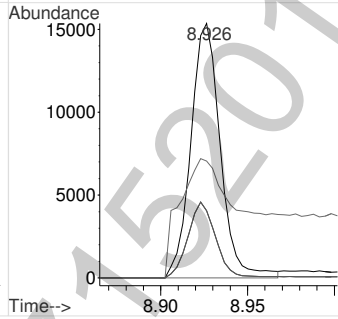
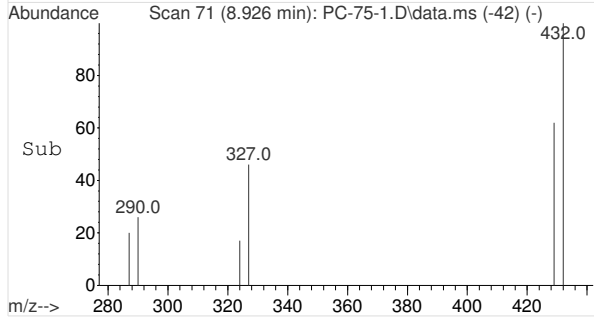




#3
 Morphine-D3-TMS
 Concen: 100.00 ng/mL
 RT: 8.926 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: PC-75-1.D
 Acq: 15 Jul 2015 22:32

Tgt Ion: 432 Resp: 18168

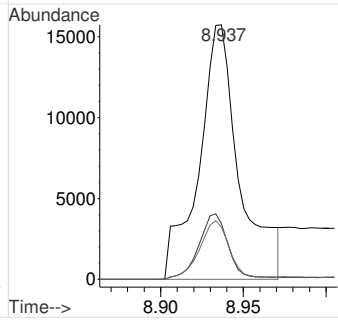
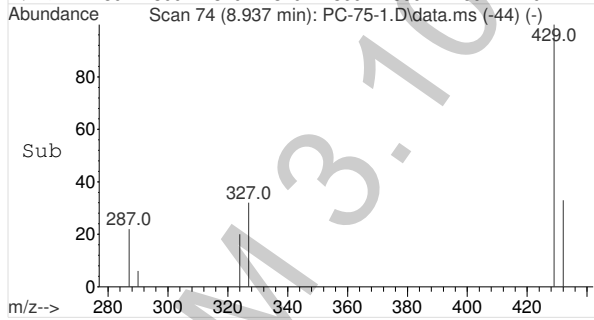
Ion	Ratio	Lower	Upper
432	100		
290	28.7	21.6	32.4
327	126.1	146.2	219.4#
290	28.7	21.6	32.4



#4
 Morphine-TMS
 Concen: Below Cal
 RT: 8.937 min Scan# 74
 Delta R.T. 0.004 min
 Lab File: PC-75-1.D
 Acq: 15 Jul 2015 22:32

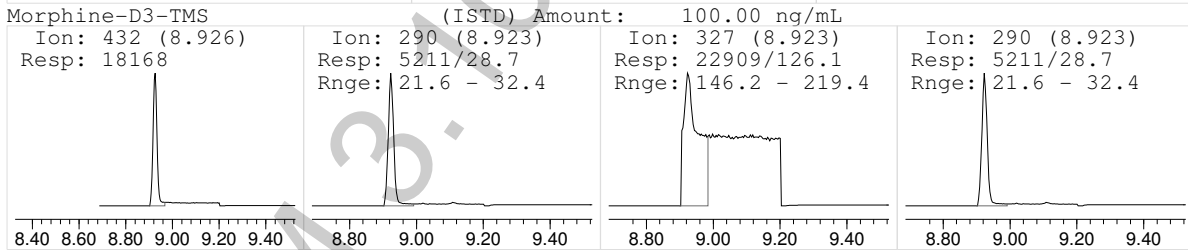
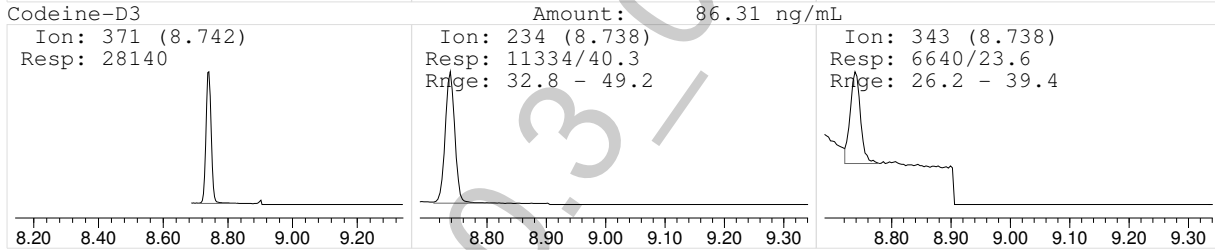
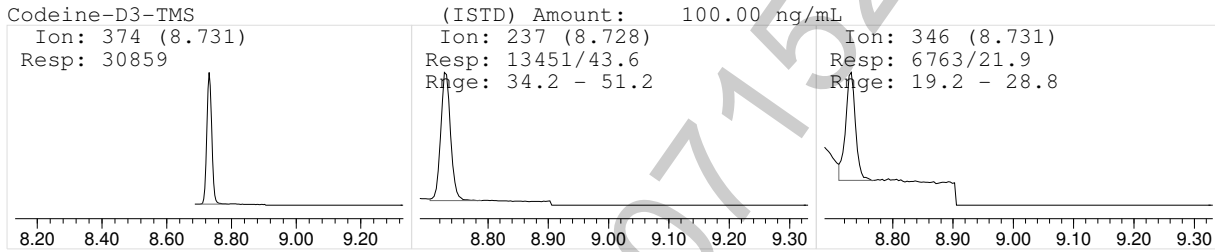
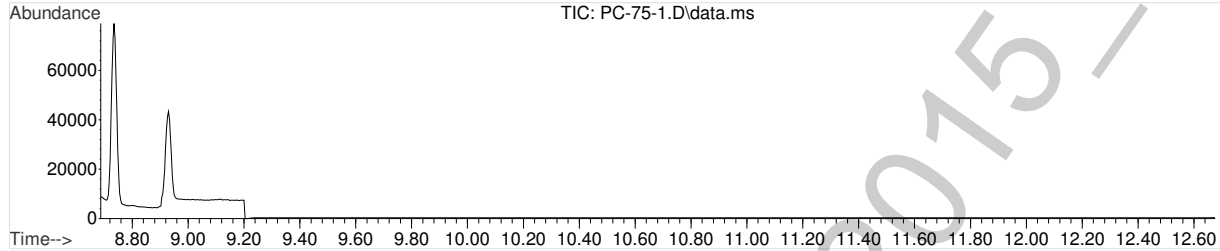
Tgt Ion: 429 Resp: 27038

Ion	Ratio	Lower	Upper
429	100		
287	18.6	7.4	11.0#
324	17.4	7.4	11.0#

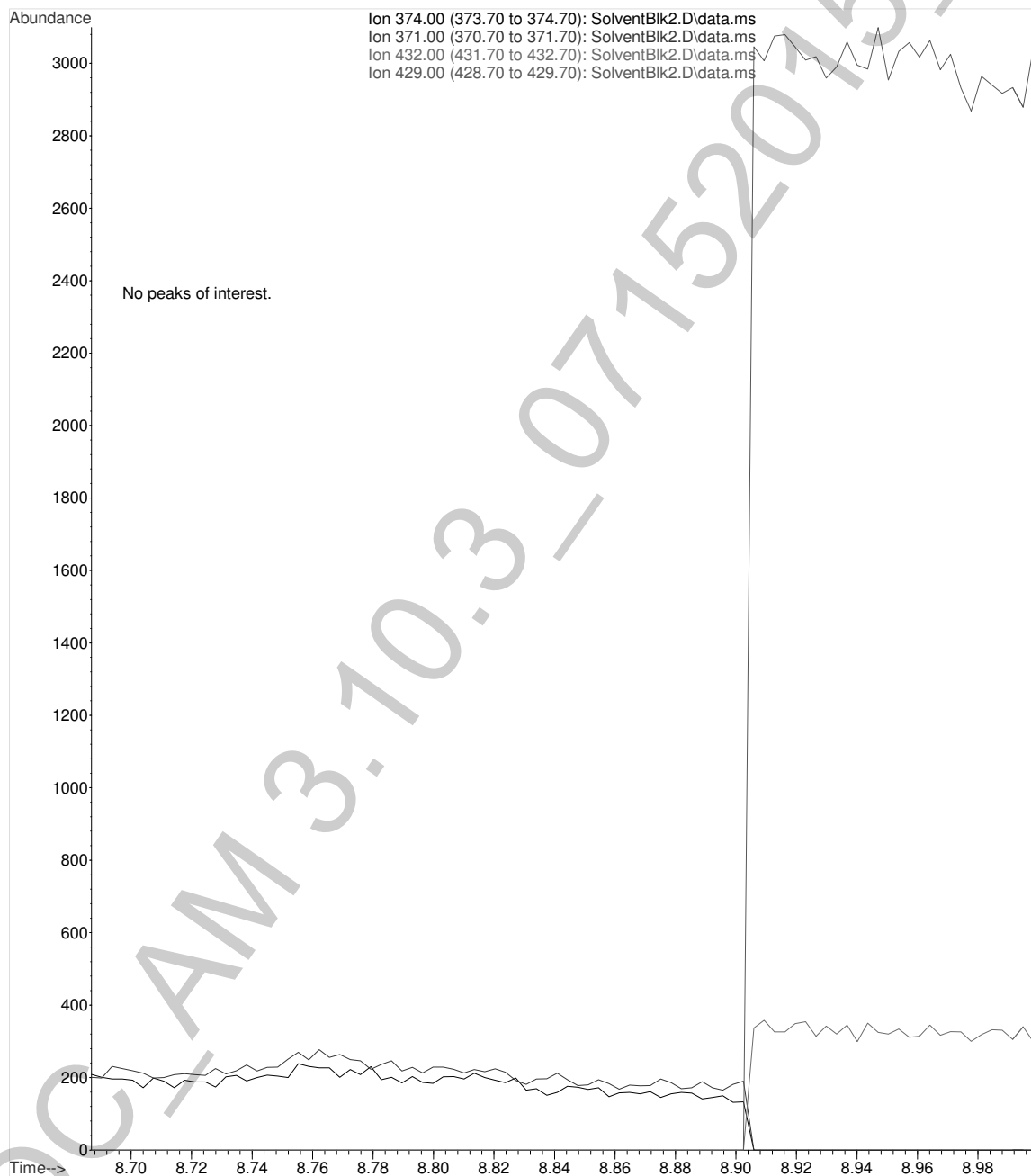


Quantitation Report (Not Reviewed)

Data Path : F:\Data\071515 OP\
 Data File : PC-75-1.D
 Acq On : 15 Jul 2015 22:32
 Operator : C Shrum
 Sample : 75ng/mL Positive Control
 Misc : Analytical Method 3.10.3
 ALS Vial : 5 Sample Multiplier: 1



File :F:\Data\071515 OP\SolventBlk2.D
Operator : C Shrum
Acquired : 15 Jul 2015 22:14 using AcqMethod AM-3-10-3-3.M
Instrument : Probie
Sample Name: Solvent Blank
Misc Info : CHCl3
Vial Number: 93



Quantitation Report (Not Reviewed)

Data Path : F:\Data\071515 OP\
Data File : PC-750-1.D
Acq On : 15 Jul 2015 20:03
Operator : C Shrum
Sample : 750ng/mL Positive Control
Misc : Analytical Method 3.10.3
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 16 15:05:15 2015
Quant Method : F:\Methods\AM-3-10-3-D3- All levels.M
Quant Title :
QLast Update : Thu Jul 16 14:42:44 2015
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

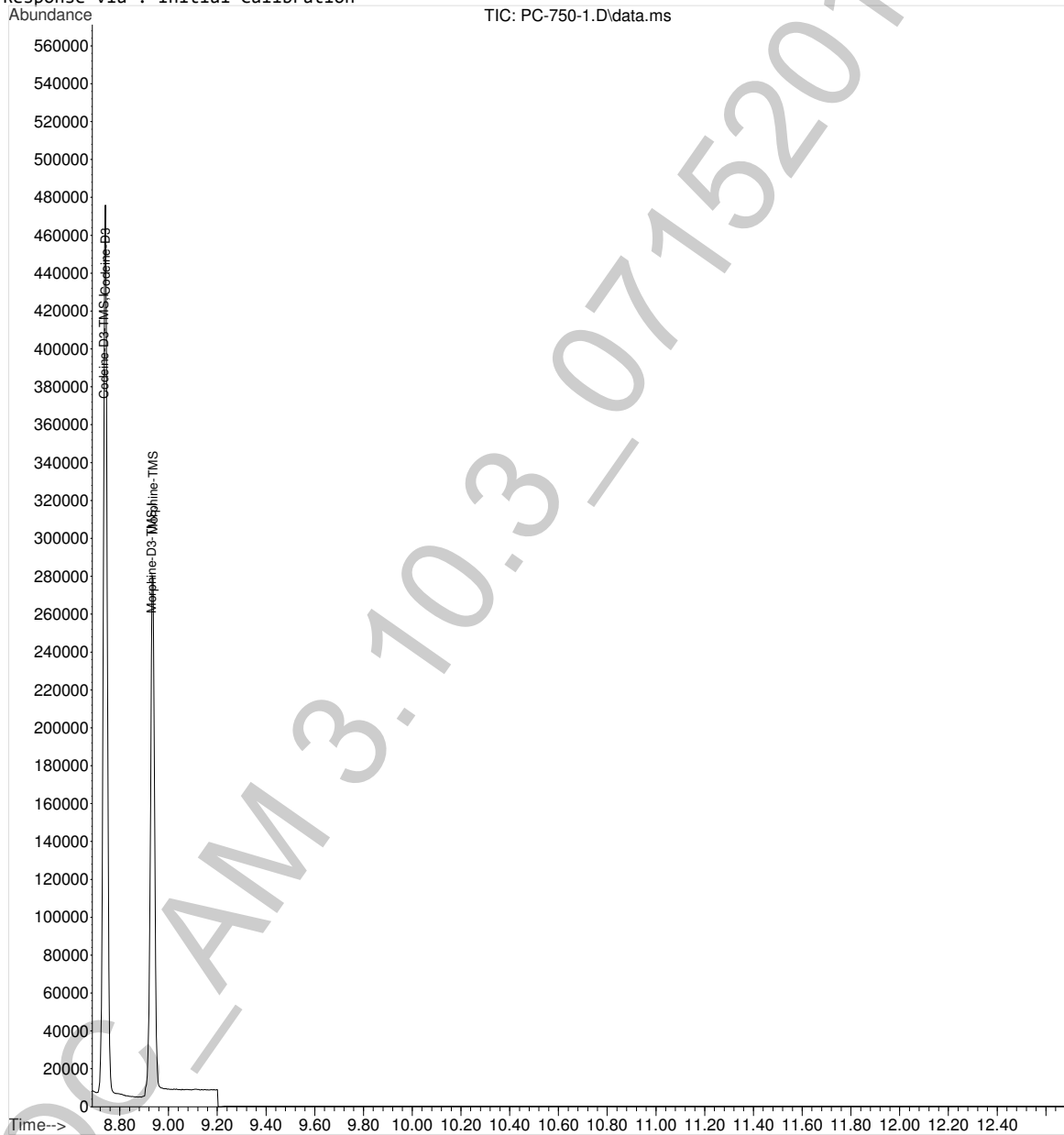
Internal Standards						
1) Codeine-D3-TMS	8.735	374	36044	100.00	ng/mL	# 0.00
3) Morphine-D3-TMS	8.930	432	26456	100.00	ng/mL	# 0.00
Target Compounds						
2) Codeine-D3	8.742	371	295898	876.14	ng/mL#	87
4) Morphine-TMS	8.937	429	200636	832.81	ng/mL#	57

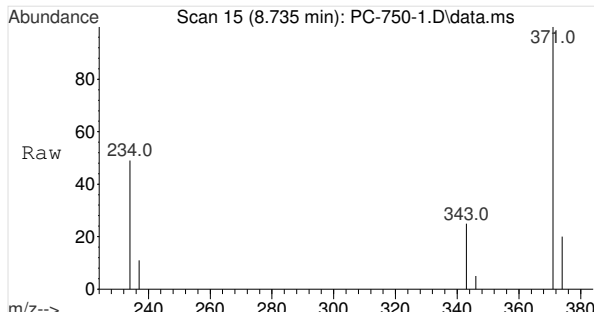
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : F:\Data\071515 OP\
Data File : PC-750-1.D
Acq On : 15 Jul 2015 20:03
Operator : C Shrum
Sample : 750ng/mL Positive Control
Misc : Analytical Method 3.10.3
ALS Vial : 6 Sample Multiplier: 1

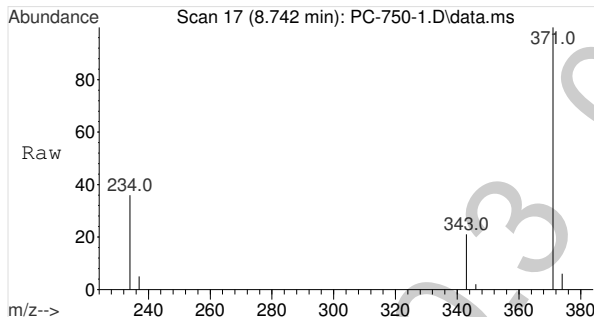
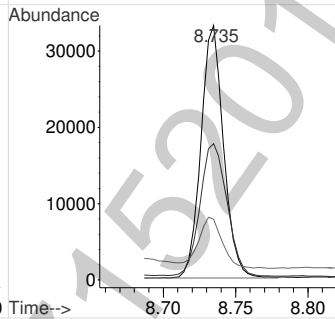
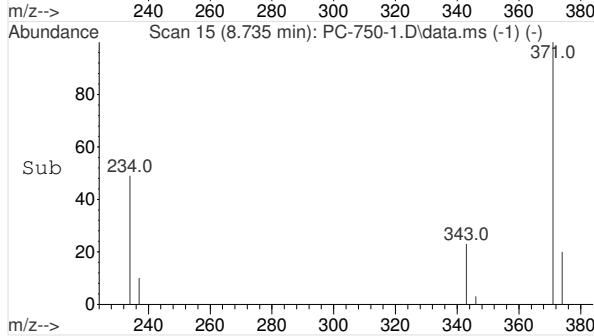
Quant Time: Jul 16 15:05:15 2015
Quant Method : F:\Methods\AM-3-10-3-D3- All levels.M
Quant Title :
QLast Update : Thu Jul 16 14:42:44 2015
Response via : Initial Calibration





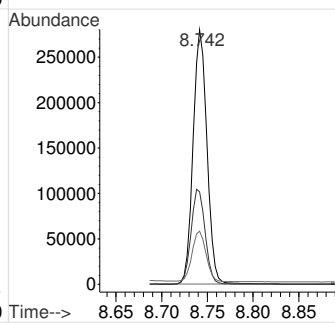
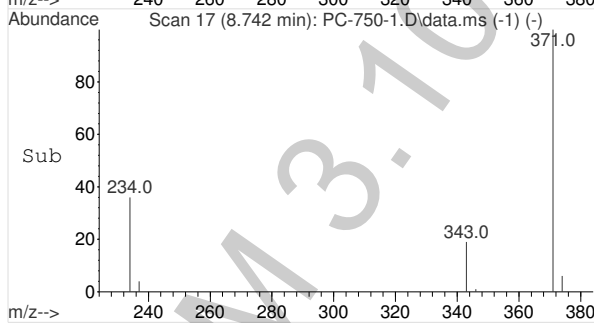
#1
 Codeine-D3-TMS
 Concen: 100.00 ng/mL
 RT: 8.735 min Scan# 15
 Delta R.T. 0.004 min
 Lab File: PC-750-1.D
 Acq: 15 Jul 2015 20:03

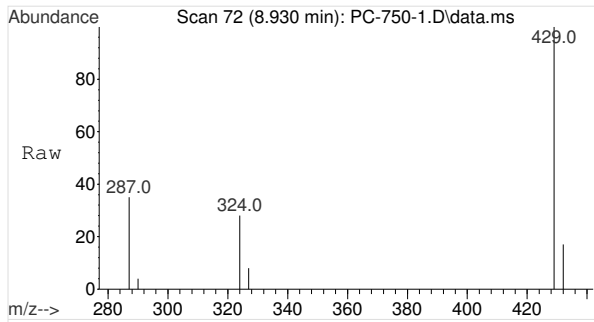
Tgt Ion	Resp	Lower	Upper
374	36044		
374	100		
237	62.5	34.2	51.2#
346	21.1	19.2	28.8



#2
 Codeine-D3
 Concen: 876.14 ng/mL
 RT: 8.742 min Scan# 17
 Delta R.T. -0.000 min
 Lab File: PC-750-1.D
 Acq: 15 Jul 2015 20:03

Tgt Ion	Resp	Lower	Upper
371	295898		
371	100		
234	37.9	32.8	49.2
343	20.1	26.2	39.4#

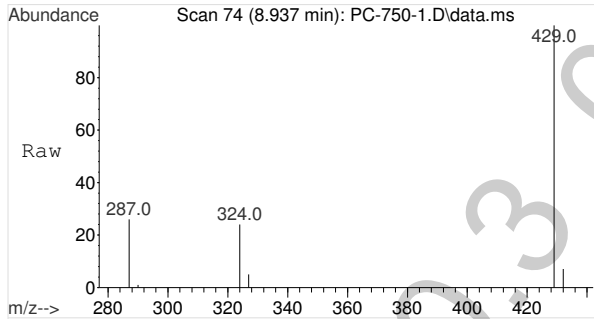
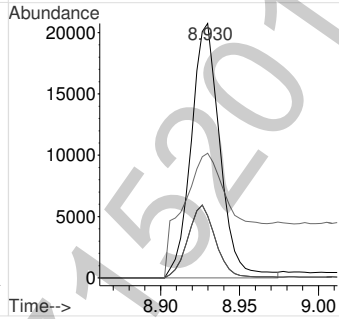
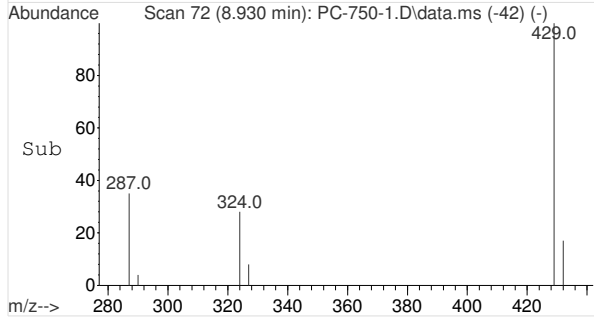




#3
 Morphine-D3-TMS
 Concen: 100.00 ng/mL
 RT: 8.930 min Scan# 72
 Delta R.T. 0.004 min
 Lab File: PC-750-1.D
 Acq: 15 Jul 2015 20:03

Tgt Ion: 432 Resp: 26456

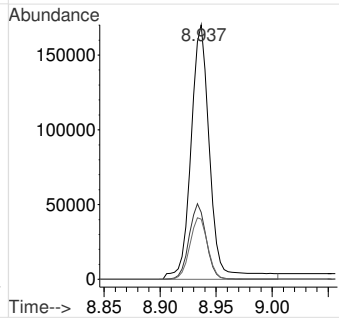
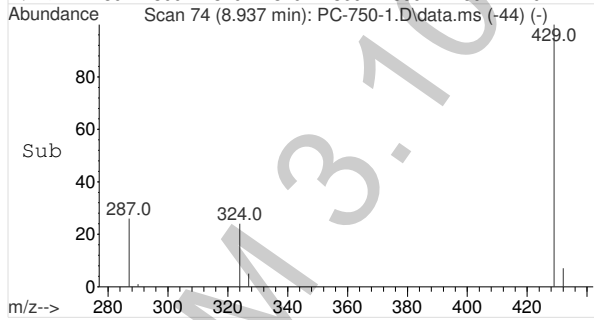
Ion	Ratio	Lower	Upper
432	100		
290	27.5	21.6	32.4
327	93.9	146.2	219.4#
290	27.5	21.6	32.4



#4
 Morphine-TMS
 Concen: 832.81 ng/mL
 RT: 8.937 min Scan# 74
 Delta R.T. 0.004 min
 Lab File: PC-750-1.D
 Acq: 15 Jul 2015 20:03

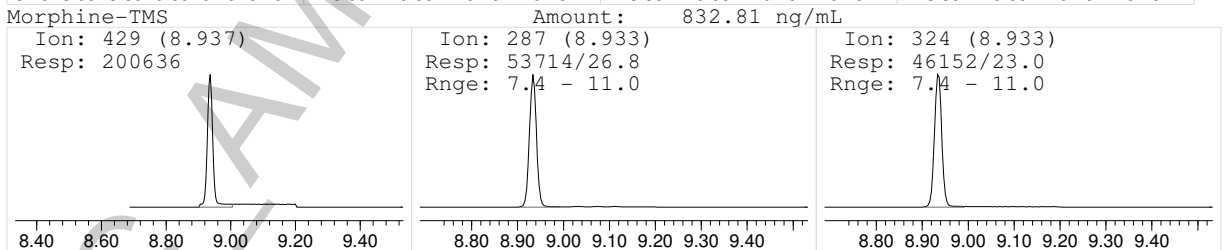
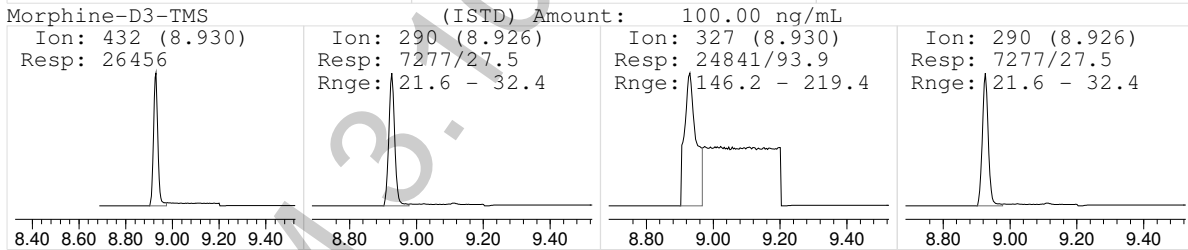
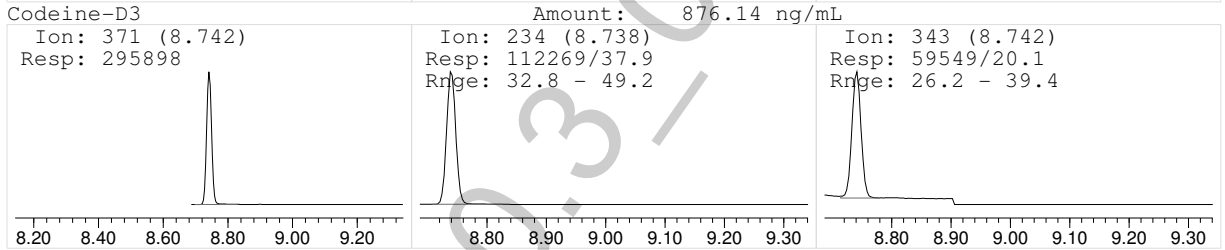
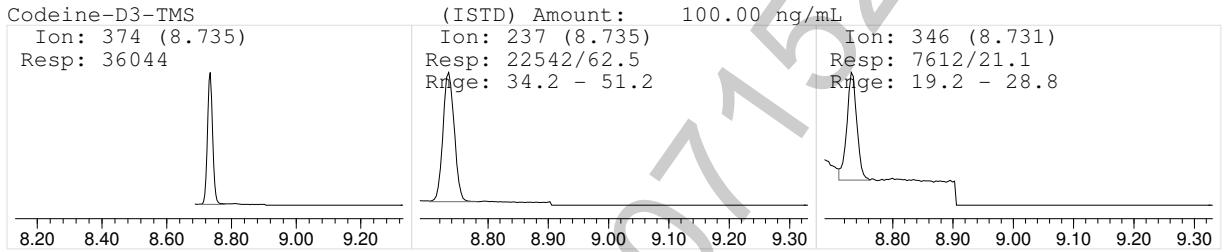
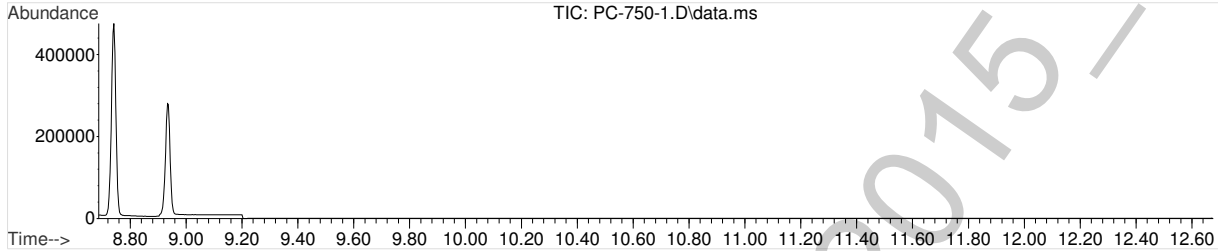
Tgt Ion: 429 Resp: 200636

Ion	Ratio	Lower	Upper
429	100		
287	26.8	7.4	11.0#
324	23.0	7.4	11.0#

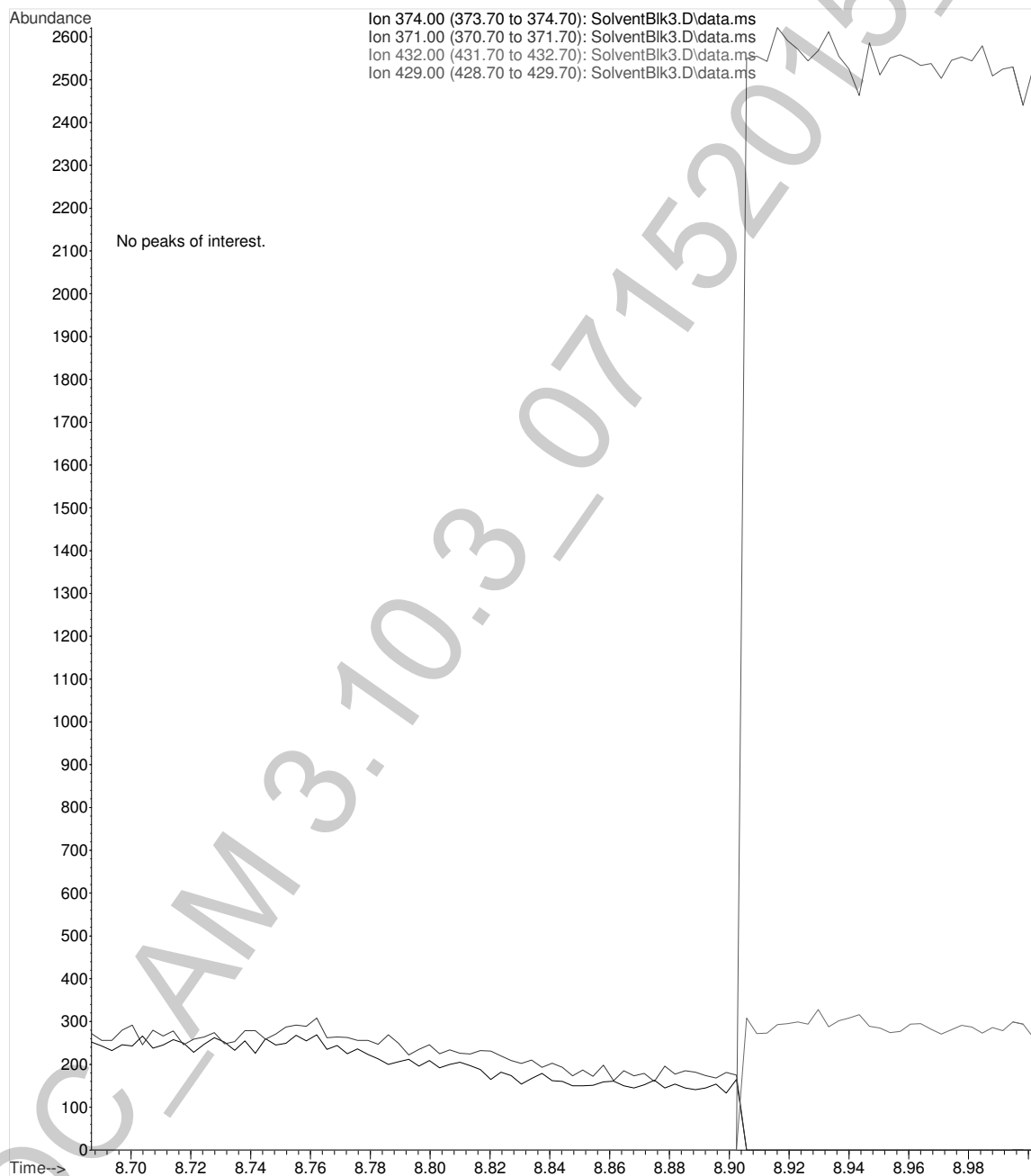


Quantitation Report (Not Reviewed)

Data Path : F:\Data\071515 OP\
 Data File : PC-750-1.D
 Acq On : 15 Jul 2015 20:03
 Operator : C Shrum
 Sample : 750ng/mL Positive Control
 Misc : Analytical Method 3.10.3
 ALS Vial : 6 Sample Multiplier: 1



File :F:\Data\071515 OP\SolventBlk3.D
Operator : C Shrum
Acquired : 15 Jul 2015 22:51 using AcqMethod AM-3-10-3-3.M
Instrument : Probie
Sample Name: Solvent Blank
Misc Info : CHCl3
Vial Number: 92



File :F:\Data\071515 OP\Post-Blank.D
Operator : C Shrum
Acquired : 16 Jul 2015 00:05 using AcqMethod AM-3-10-3-3.M
Instrument : Probie
Sample Name: Post-run Solvent Blank
Misc Info : CHCl3
Vial Number: 90

