reviewed 6/22/18 amn

TS

6/18/2018

Worklist: 2495

LAB_CASE	ITEM	TASK_ID	DESCRIPTION
M2018-2479	1	118877	AM 28 Blood Multi-Drug Quant Panel 2 by LC-Q(
M2018-2617	2	118895	AM 28 Blood Multi-Drug Quant Panel 2 by LC-Q(
P2018-1522	1	118896	AM 28 Blood Multi-Drug Quant Panel 2 by LC-Q(

TS

AM# 28: Multi-Drug Quantitation in Blood by LC-MS/MS

Extraction Date: 06/18/2018
Plate lot#: 0530563

Analyst: Tamara Salazar
Plate Expiration: 05/21/2019

Mobile phase A: 5mM Amm Form + 0.01% FA
0.5M Ammonium Hydroxide
Blank Blood Lot: 361331-1
LCMS-QQQ ID: 59740

Mobile phase B: 0.01% Formic Acid in MeOH
Ethyl Acetate 20% Methanol in Water
Column: Agilent 120 EC-C18 (2.1x 100-4um)

Pre-Analytic:

☒ 1. Check levels of mobile phases and needle wash refill as needed. Ensure waste is not full.
☒ 2. Ensure correct column is installed and begin mobile phase flow allow to equilibrate ~ 30 minutes.
☒ 3. Create worklist: _____

Analytic:

☒ 1. Remove standards, plate, controls, and samples from cold storage. Allow to reach room temperature.
☒ 2. Pipette **250µL blood (calibrated pipette) Pipette ID: 3** in wells of analytical (standards) plate.
☒ 3. Place on shaking incubator at ambient temp., 900rpm for 15 minutes. *Shaker ID: 067105*
☒ 4. Pipette **250µL 00.5M ammonium hydroxide** in wells of analytical plate.
☒ 5. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
☒ 6. Transfer **300µL of blood+base** mixture to corresponding wells of SLE+ plate.
☒ 7. Apply positive pressure for approx. 10-15 seconds (or until no liquid remains on top of sorbent). ***(Load at 85-100 PSI- Selector to the right)*** *Manifold ID: 067104*
☒ 8. Wait 5 minutes.
☒ 9. Add **900uL ethyl acetate.**
☒ 10. Wait 5 minutes.
☒ 11. Apply positive pressure for approx. 15 seconds. ***(10-15 PSI- Selector to the left).***
☒ 12. Add **900uL ethyl acetate.**
☒ 13. Wait 5 minutes.
☒ 14. Apply positive pressure for approx. 15 seconds. ***(10-15 PSI- Selector to the left).***
☒ 15. Remove plate containing eluate. Place on SPE Dry and evaporate to dryness at approx. 35°C. *SPE Dry ID: 067103*
☒ 16. Reconstitute in **100µL 20% MeOH** and heat seal plate with foil. Place in autosampler and run worklist.

Post-Analytic

☒ 1. Create batch and process data.
Worklist path: *C:\MassHunter\Data\2018\MD Quant\061818 MDQ P1and P2 TS*
Batch Name: *p2a MDQ 61818 final*
p2b MDQ 61818 final
☒ 2. Make necessary changes to integration limits
☒ 3. Integration linear and R^2 values ≥0.98 for each analyte.
☒ 4. For unknown samples and controls: response ratio within 20% of average of controls and standards, RT within +/- 5% (tramadol RT +/-2%), S/N for primary transition >10 and secondary transitions >5.
☒ 5. Did all QCs pass for each analyte? Y / N _____ Add Control data to QC tracking spreadsheet.
☒ 6. Central File Packet to include: LIMS Worklist, Method Checklist, Calibration and Control Reports.

AM# 28: Multi-Drug Quantitation in Blood by LC-MS/MS Cont.

Extraction Date: 06/18/2018
Plate lot#: 0530563

Analyst: Tamara Salazar
Plate Expiration: 05/21/2019

COMMENTS:

P2a evaluated for: *Pseudoephedrine*
Zopiclone
Amitriptyline
Nortriptyline
Midazolam
Alpha-hydroxymidazolam
Chlordiazepoxide

P1b evaluated for: *Flunitrazepam*

Curves Limited: *Nortriptyline 5-500*

TS

Idaho State Police Forensic Services

AM #28 Blood Multi-Drug Confirmatory Analysis by LCMS-QQQ

Analyst: Tamara Salazar
Extraction Date: 06/18/18
Worklist Number: 2495

Reagent	*Lot Number*	*Expiration Date*	*Date in Service*	*Date Out of Service*	*Initials*
ToxBox Benzo/Opiate Quant Plate	0530563	05/21/19	06/05/18		
Negative Blood	361331-1		05/25/18		
Methanol External Control Solution	022018	02/20/19	02/20/18		
Blood External Control Solution	WS061218	06/12/19	06/12/18		
0.5M Ammonium Hydroxide	032918	09/29/18	03/29/18		
Formic Acid (LCMS Grade)	095180B		11/15/17		
Water (LCMS Grade)	177528		03/05/18		
Methanol (LCMS Grade)	177145		04/11/18		
Ammonium Formate (LCMS Grade)	A0287238		01/30/17		
Ammonium Hydroxide (ACS grade or better)	053200		08/03/07		
Ethyl Acetate (ACS grade or better)	100362		06/26/17		
20% LCMS Methanol in LCMS Water	06/18/18 ~~052918~~ TS	Make Fresh	06/18/18 ~~052918~~ TS		
5mM Ammonium Formate + 0.01% Formic Acid in Water (Mobile Phase A)	051018		05/10/18		
0.01% Formic Acid in Methanol (Mobile Phase B)	061818		06/18/18		
Needle Rinse--75% LCMS MeOH in LCMS Water	061818		06/18/18		

Methanol External Control Solution (Lot: 022018)
100 ul each 1 mg/mL stock solution in 9600 ul MeOH

Component	*Source*	*Source Lot Number*	*Expiration Date*
Methanol (LCMS)	Fisher	172516	
Zopiclone	Cerilliant	FE08291601	12/31/2021
Chlordiazepoxide	Cerilliant	FE07241502	08/31/2020
Flunitrazepam	Cerilliant	FE08051602	08/31/2021
Prepared:	02/20/18		
Prepared By:	Tamara Salazar		
Expires:	02/20/19		

Blood External Control Solution (Lot: WS061218)

50 ul of methanol external control solution was added to 9950 ul of blood.

Component	*Source*	*Source Lot Number*
Negative Blood	Hemostat	361331-1
Methanol External Control Solution		121217
Prepared:	06/12/18	
Prepared by:	Tamara Salazar	
Expires:	06/12/19	

0.5M Ammonium Hydroxide (Lot: 032918)

Component	*Source*	*Source Lot Number*
Ammonium Hydroxide (ACS grade or better)	Fisher	053200
DI Water	-	-
Prepared:	*03/29/18*	
Prepared By:	Tamara Salazar	
Expires:	*09/29/18*	

20% LCMS Methanol in LCMS Water (Lot: Prepared Fresh)

Component	*Source*	*Source Lot Number*
MeOH (LCMS Grade)	Fisher	177145
Water (LCMS Grade)	Fisher	177528

5mM Ammonium Formate + 0.01% Formic Acid in Water (Lot: 051018)

Component	*Source*	*Source Lot Number*
Ammonium Formate	Arcos Organic	A0287238
LCMS Water	Fisher	177528
Formic Acid	Fisher	095180B
Prepared:	05/10/18	
Prepared By:	Sarah Pickle	

0.01% Formic Acid in LCMS Methanol (Mobile Phase B) (Lot: 031918)

Component	*Source*	*Source Lot Number*
Formic Acid	Fisher	095180B
MeOH (LCMS Grade)	Fisher	172517
Prepared:	06/18/18	
Prepared By:	Tamara Salazar	

Needle Rinse (75% LCMS MeOH in LCMS Water) (Lot: 052918)

Component	*Source*	*Source Lot Number*
MeOH (LCMS Grade)	Fisher	177145
Water (LCMS Grade)	Fisher	177528
Prepared:	06/18/18	
Prepared By:	Tamara Salazar	

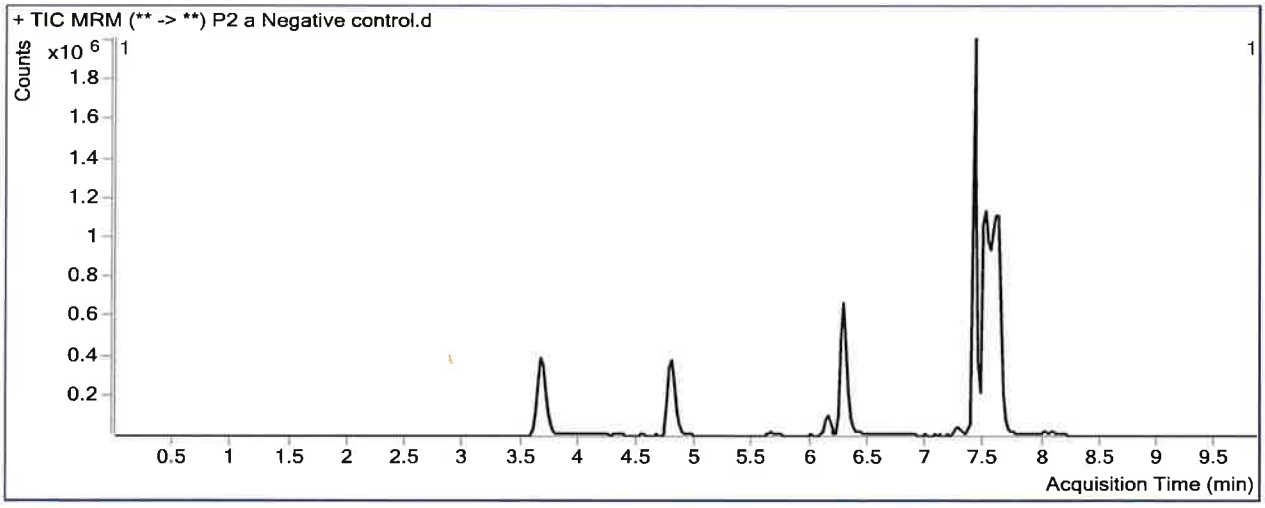
ISP FORENSICS - Pocatello Instrument # 59740
Multi-Drug Confirmatory Analysis Report

Batch Data Path	C:\MassHunter\Data\2018\MD Quant\061818 MDQ P1 and P2 TS\QuantResults\p2a MDQ 61818 final.batch.bir		
Analysis Time	6/22/2018 1:37 PM	**Analyst Name**	ISPUser
Report Time	6/22/2018 1:39 PM	**Reporter Name**	ISPUser
Last Calib Update	6/22/2018 1:37 PM	**Batch State**	Processed

Analysis Info

Acq Time	2018-06-18 19:38	**Data File**	P2 a Negative control.d
Sample Type	Sample	**Sample Name**	P2 a Negative control.d
Dilution	1	**Acq Method**	MDQ Panel 2a 6-18-18.m
Position	P1-E6	**Sample Info**	
Inj Vol	-1	**Comment**	AM 28-Panel 2

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Pseudoephedrine	Pseudoephedrine-D3	4.161	13317	1948119	0.0068	2.0879

TS

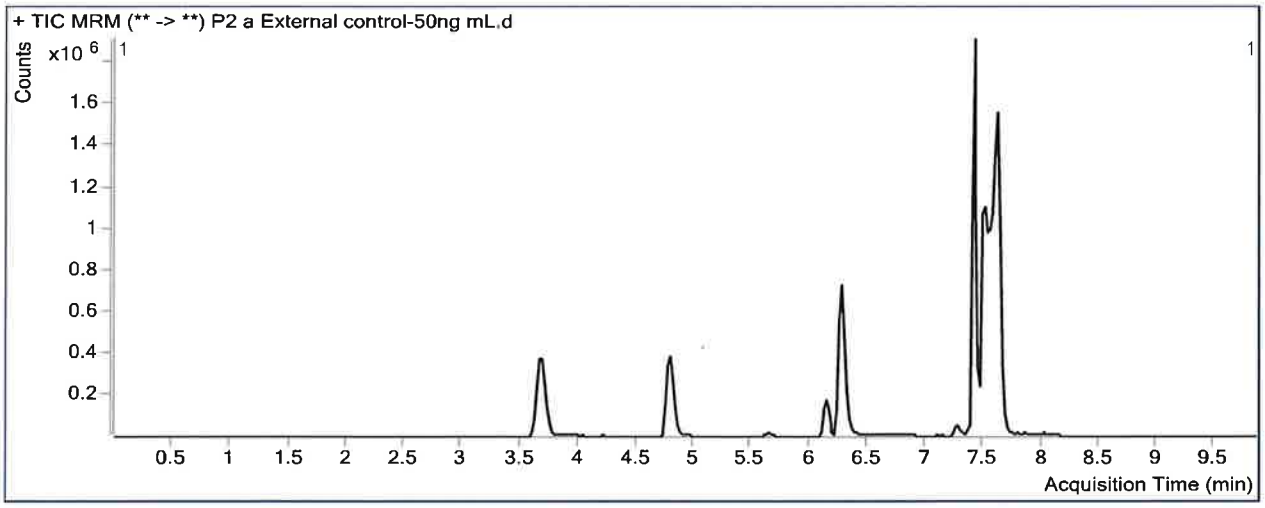
ISP FORENSICS - Pocatello Instrument # 59740
Multi-Drug Confirmatory Analysis Report

Batch Data Path	C:\MassHunter\Data\2018\MD Quant\061818 MDQ P1 and P2 TS\QuantResults\p2a MDQ 61818 final.batch.bir		
Analysis Time	6/22/2018 1:37 PM	**Analyst Name**	ISPUser
Report Time	6/22/2018 1:39 PM	**Reporter Name**	ISPUser
Last Calib Update	6/22/2018 1:37 PM	**Batch State**	Processed

Analysis Info

Acq Time	2018-06-18 20:03	**Data File**	P2 a External control-50ng mL.d
Sample Type	Sample	**Sample Name**	P2 a External control-50ng mL.d
Dilution	1	**Acq Method**	MDQ Panel 2a 6-18-18.m
Position	P1-F6	**Sample Info**	
Inj Vol	-1	**Comment**	AM 28; WS061218 50 ng flunitrazepam, zopiclone, chlorodiazepoxide

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Zopiclone	Zopiclone-D4	6.131	291411	243229	1.1981	39.9816
Chlordiazepoxide	Chlordiazepoxide-D5	7.605	606155	2422794	0.2502	43.5703

TS

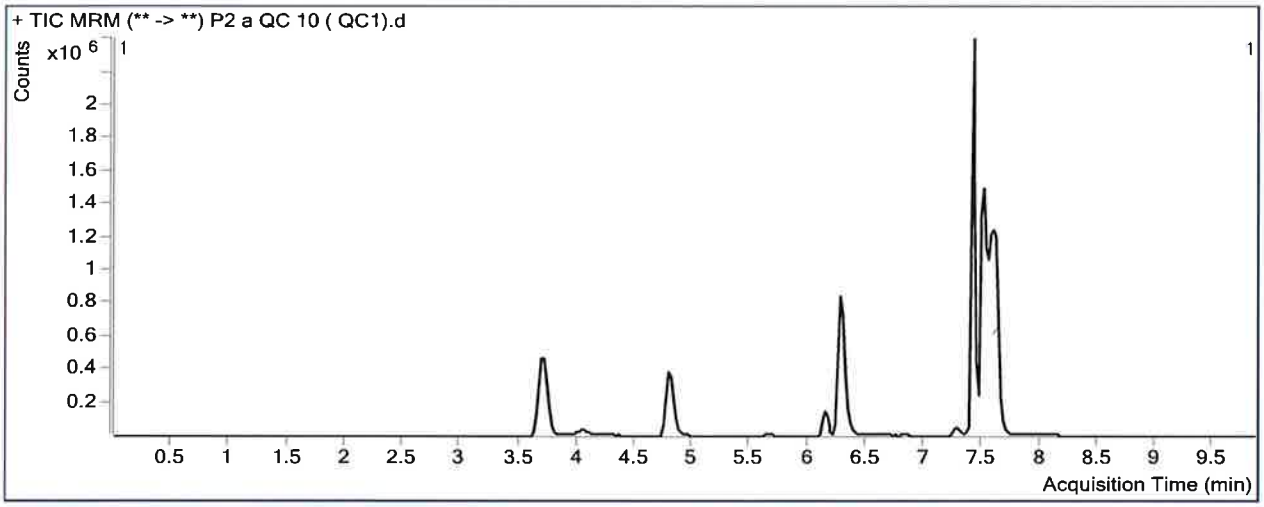
ISP FORENSICS - Pocatello Instrument # 59740
Multi-Drug Confirmatory Analysis Report

Batch Data Path	C:\MassHunter\Data\2018\MD Quant\061818 MDQ P1 and P2 TS\QuantResults\p2a MDQ 61818 final.batch.bir		
Analysis Time	6/22/2018 1:37 PM	**Analyst Name**	ISPUser
Report Time	6/22/2018 1:39 PM	**Reporter Name**	ISPUser
Last Calib Update	6/22/2018 1:37 PM	**Batch State**	Processed

Analysis Info

Acq Time	2018-06-18 20:54	**Data File**	P2 a QC 10 (QC1).d
Sample Type	QC	**Sample Name**	P2 a QC 10 (QC1).d
Dilution	1	**Acq Method**	MDQ Panel 2a 6-18-18.m
Position	P1-A6	**Sample Info**	
Inj Vol	-1	**Comment**	AM 28-Panel 2

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Pseudoephedrine	Pseudoephedrine-D3	3.716	428838	1985573	0.2160	10.4420
Zopiclone	Zopiclone-D4	6.151	100509	408780	0.2459	10.2461
Amitriptyline	Amitriptyline-D3	7.489	17780	87121	0.2041	9.4148
Nortriptyline	Nortriptyline-D3	7.514	12242	77052	0.1589	9.8091
Midazolam	Midazolam-D4	7.543	87807	1960602	0.0448	9.6566
alpha-hydroxymidazolam	alpha-hydroxymidazolam-D4	7.562	228595	1882820	0.1214	10.6827
Chlordiazepoxide	Chlordiazepoxide-D5	7.605	131744	2431883	0.0542	10.9163

15

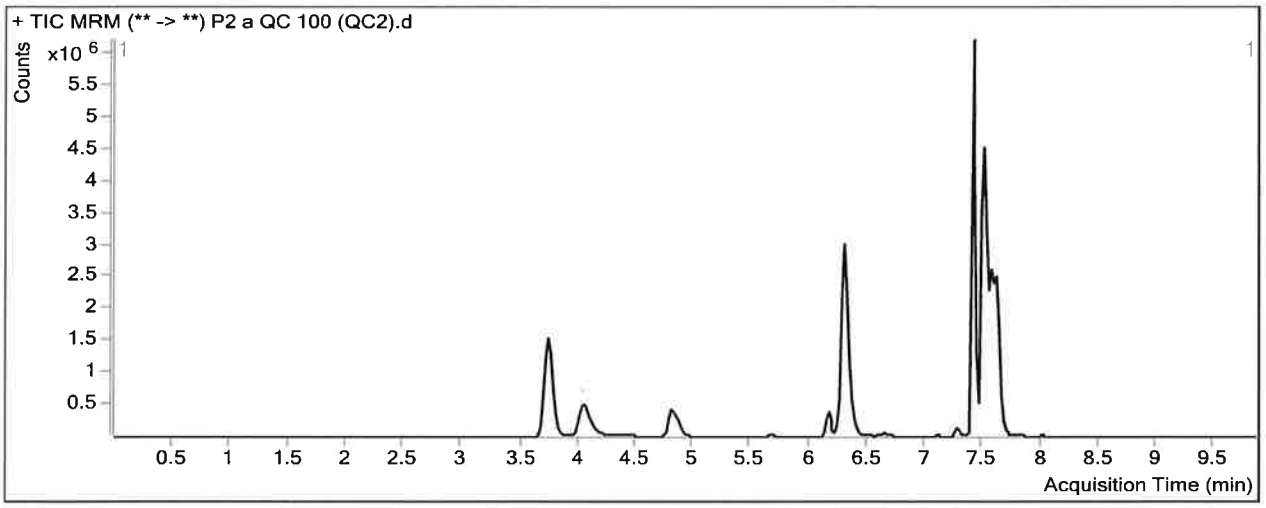
ISP FORENSICS - Pocatello Instrument # 59740
Multi-Drug Confirmatory Analysis Report

Batch Data Path	C:\MassHunter\Data\2018\MD Quant\061818 MDQ P1 and P2 TS\QuantResults\p2a MDQ 61818 final.batch.bir		
Analysis Time	6/22/2018 1:37 PM	**Analyst Name**	ISPUser
Report Time	6/22/2018 1:39 PM	**Reporter Name**	ISPUser
Last Calib Update	6/22/2018 1:37 PM	**Batch State**	Processed

Analysis Info

Acq Time	2018-06-18 22:11	**Data File**	P2 a QC 100 (QC2).d
Sample Type	QC	**Sample Name**	P2 a QC 100 (QC2).d
Dilution	1	**Acq Method**	MDQ Panel 2a 6-18-18.m
Position	P1-B6	**Sample Info**	
Inj Vol	-1	**Comment**	AM 28-Panel 2

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Pseudoephedrine	Pseudoephedrine-D3	3.736	4876923	2023181	2.4105	98.1034
Zopiclone	Zopiclone-D4	6.151	804268	273215	2.9437	94.4934
Amitriptyline	Amitriptyline-D3	7.489	140002	64823	2.1598	89.5431
Nortriptyline	Nortriptyline-D3	7.514	103690	51134	2.0278	110.7697
Midazolam	Midazolam-D4	7.543	1062325	1873837	0.5669	99.6804
alpha-hydroxymidazolam	alpha-hydroxymidazolam-D4	7.582	2255010	1625534	1.3872	111.3540
Chlordiazepoxide	Chlordiazepoxide-D5	7.605	1219019	2093667	0.5822	98.8868

15

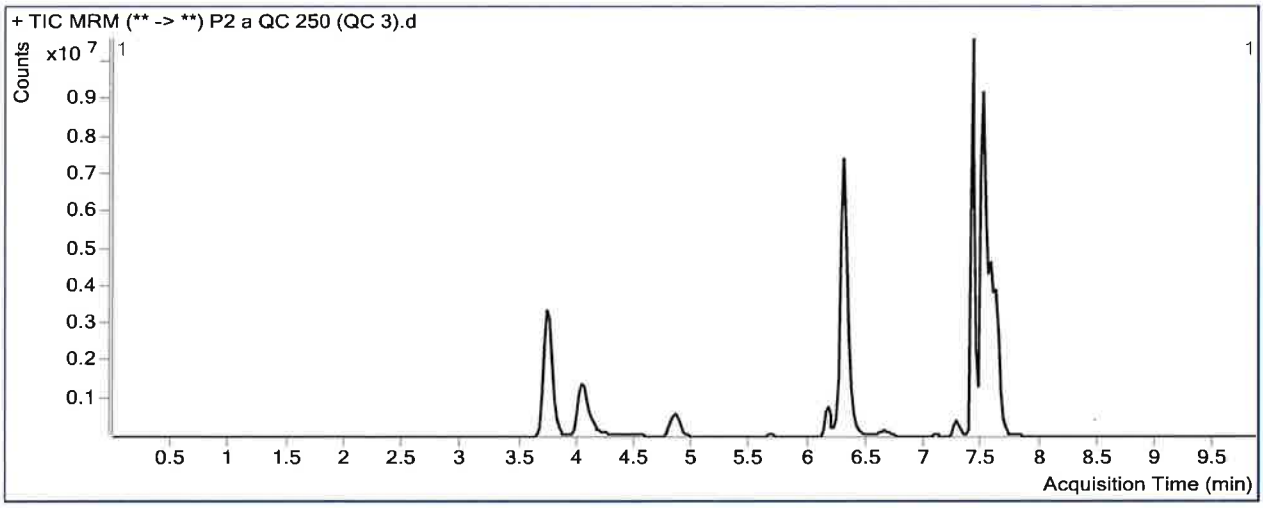
ISP FORENSICS - Pocatello Instrument # 59740
Multi-Drug Confirmatory Analysis Report

Batch Data Path	C:\MassHunter\Data\2018\MD Quant\061818 MDQ P1 and P2 TS\QuantResults\p2a MDQ 61818 final.batch.bir		
Analysis Time	6/22/2018 1:37 PM	**Analyst Name**	ISPUser
Report Time	6/22/2018 1:40 PM	**Reporter Name**	ISPUser
Last Calib Update	6/22/2018 1:37 PM	**Batch State**	Processed

Analysis Info

Acq Time	2018-06-18 23:27	**Data File**	P2 a QC 250 (QC 3).d
Sample Type	QC	**Sample Name**	P2 a QC 250 (QC 3).d
Dilution	1	**Acq Method**	MDQ Panel 2a 6-18-18.m
Position	P1-C6	**Sample Info**	
Inj Vol	-1	**Comment**	AM 28-Panel 2

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Pseudoephedrine	Pseudoephedrine-D3	3.736	13265199	2081658	6.3724	256.3619
Zopiclone	Zopiclone-D4	6.151	1978014	250192	7.9060	249.4540
Amitriptyline	Amitriptyline-D3	7.489	681743	110283	6.1817	254.3314
Nortriptyline	Nortriptyline-D3	7.514	503210	98623	5.1023	276.8600
Midazolam	Midazolam-D4	7.543	2670597	1898433	1.4067	244.4753
alpha-hydroxymidazolam	alpha-hydroxymidazolam-D4	7.562	4665848	1370409	3.4047	271.8028
Chlordiazepoxide	Chlordiazepoxide-D5	7.605	2393961	1639573	1.4601	245.1312

TS

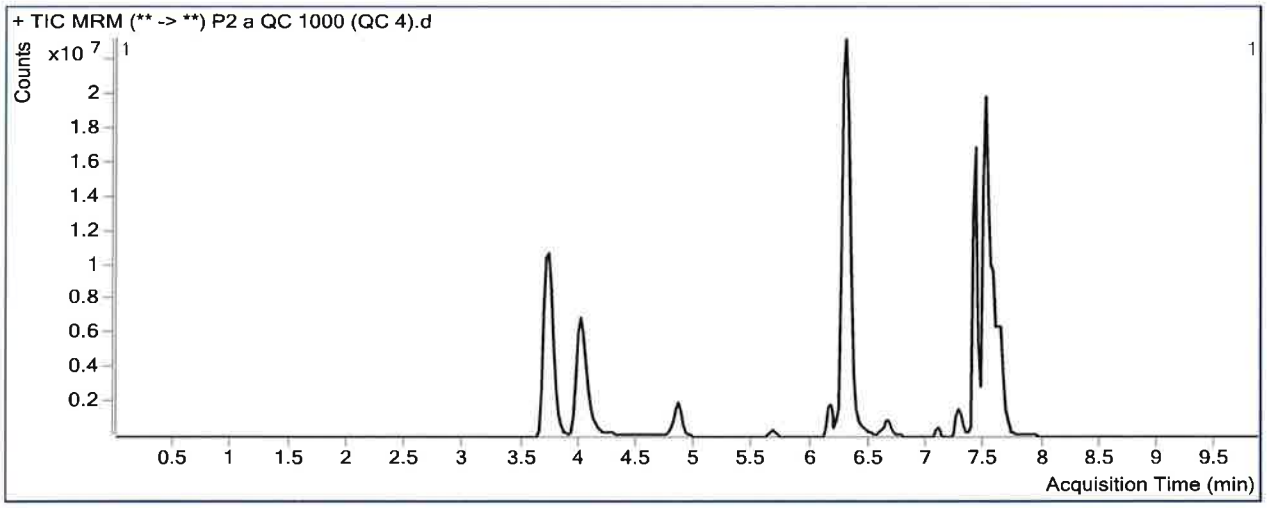
ISP FORENSICS - Pocatello Instrument # 59740
Multi-Drug Confirmatory Analysis Report

Batch Data Path	C:\MassHunter\Data\2018\MD Quant\061818 MDQ P1 and P2 TS\QuantResults\p2a MDQ 61818 final.batch.bir		
Analysis Time	6/22/2018 1:37 PM	**Analyst Name**	ISPUser
Report Time	6/22/2018 1:40 PM	**Reporter Name**	ISPUser
Last Calib Update	6/22/2018 1:37 PM	**Batch State**	Processed

Analysis Info

Acq Time	2018-06-19 00:43	**Data File**	P2 a QC 1000 (QC 4).d
Sample Type	QC	**Sample Name**	P2 a QC 1000 (QC 4).d
Dilution	1	**Acq Method**	MDQ Panel 2a 6-18-18.m
Position	P1-D6	**Sample Info**	
Inj Vol	-1	**Comment**	AM 28-Panel 2

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Pseudoephedrine	Pseudoephedrine-D3	3.736	52369283	2015474	25.9836	1039.7331
Zopiclone	Zopiclone-D4	6.151	5000080	151121	33.0865	1035.7844
Amitriptyline	Amitriptyline-D3	7.489	1808060	79214	22.8250	936.2400
Nortriptyline	Nortriptyline-D3	7.514	986552	44942	21.9515	1187.0690
Midazolam	Midazolam-D4	7.543	8318913	1390246	5.9838	1033.6167
alpha-hydroxymidazolam	alpha-hydroxymidazolam-D4	7.582	9285664	651552	14.2516	1134.4535
Chlordiazepoxide	Chlordiazepoxide-D5	7.625	5465333	862424	6.3372	1057.5995

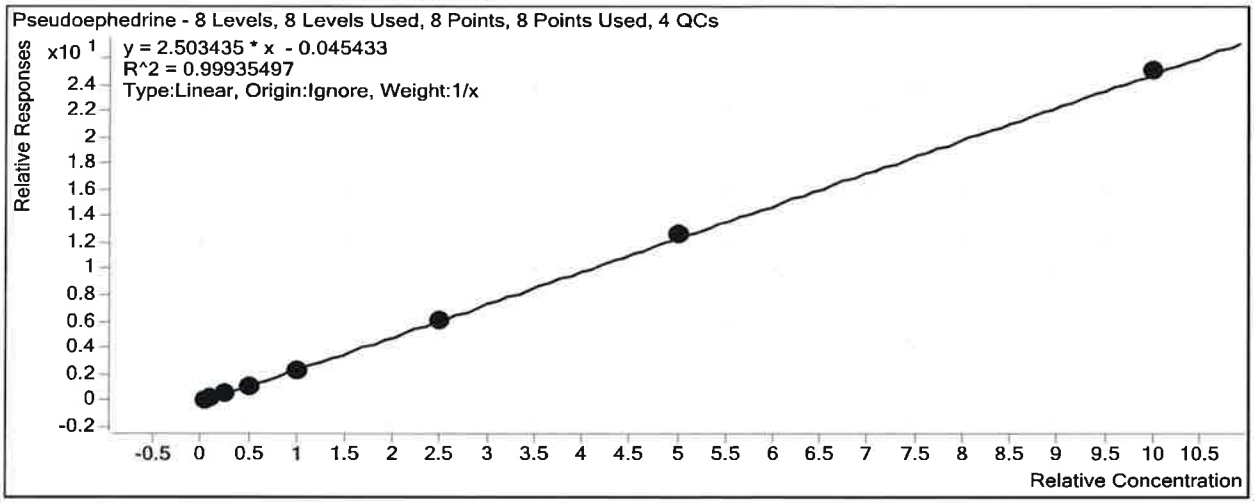
Outside curve range. TS

ISP Forensics
Calibration Curve Report

Batch Data Path	C:\MassHunter\Data\2018\MD Quant\061818 MDQ P1 and P2 TS\QuantResults\p2a MDQ 61818 final.batch.bin		
Last Calib Update	6/22/2018 1:37 PM	**Analyst Name**	ISP TOX

Target Compound *Pseudoephedrine*

Internal Standard *Pseudoephedrine-D3*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
P2 a cal 1-5ng.d	1	☑	5	5.8	116.3
P2 a cal 2-10ng.d	2	☑	10	9.9	98.9
P2 a QC 10 (QC1).d	2	☑	10	10.4	104.4
P2 a cal 3-25ng.d	3	☑	25	24.1	96.4
P2 a cal 4-50ng.d	4	☑	50	47.4	94.8
P2 a cal 5-100ng.d	5	☑	100	93.3	93.3
P2 a QC 100 (QC2).d	5	☑	100	98.1	98.1
P2 a cal 6-250ng.d	6	☑	250	244.3	97.7
P2 a QC 250 (QC 3).d	6	☑	250	256.4	102.5
P2 a cal 7-500ng.d	7	☑	500	511.0	102.2
P2 a cal 8-1000ng.d	8	☑	1000	1004.3	100.4
P2 a QC 1000 (QC 4).d	8	☑	1000	1039.7	104.0

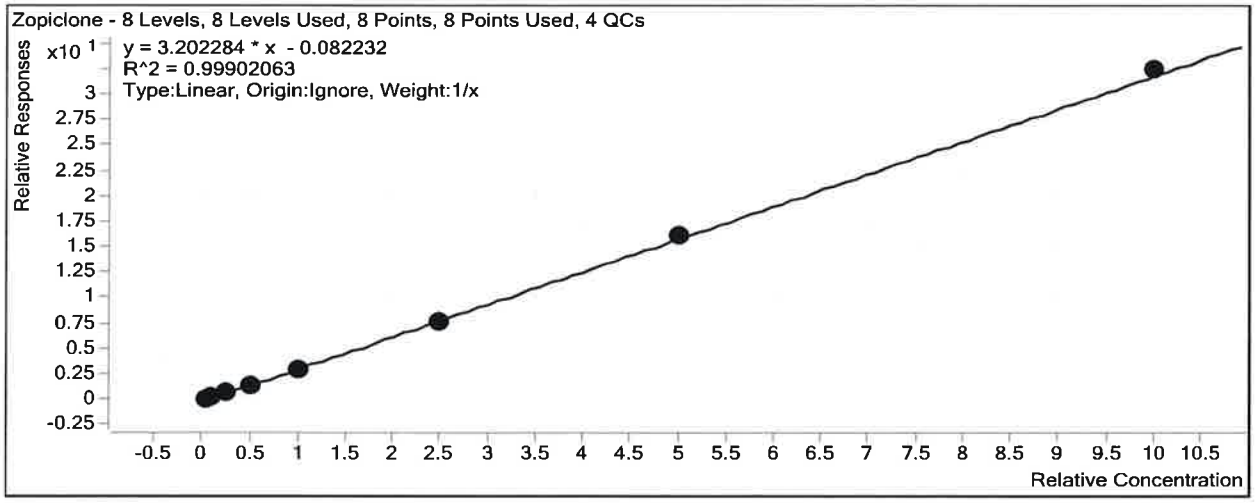
ISP Forensics
Calibration Curve Report

15

Batch Data Path	C:\MassHunter\Data\2018\MD Quant\061818 MDQ P1 and P2 TS\QuantResults\p2a MDQ 61818 final.batch.bin		
Last Calib Update	6/22/2018 1:37 PM	**Analyst Name**	ISP TOX

Target Compound *Zopiclone*

Internal Standard *Zopiclone-D4*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
P2 a cal 1-5ng.d	1	☑	5	6.0	119.6
P2 a cal 2-10ng.d	2	☑	10	10.1	101.4
P2 a QC 10 (QC1).d	2	☑	10	10.2	102.5
P2 a cal 3-25ng.d	3	☑	25	23.5	94.1
P2 a cal 4-50ng.d	4	☑	50	46.9	93.8
P2 a cal 5-100ng.d	5	☑	100	91.9	91.9
P2 a QC 100 (QC2).d	5	☑	100	94.5	94.5
P2 a cal 6-250ng.d	6	☑	250	240.9	96.4
P2 a QC 250 (QC 3).d	6	☑	250	249.5	99.8
P2 a cal 7-500ng.d	7	☑	500	506.9	101.4
P2 a cal 8-1000ng.d	8	☑	1000	1013.7	101.4
P2 a QC 1000 (QC 4).d	8	☑	1000	1035.8	103.6

ISP Forensics
Calibration Curve Report

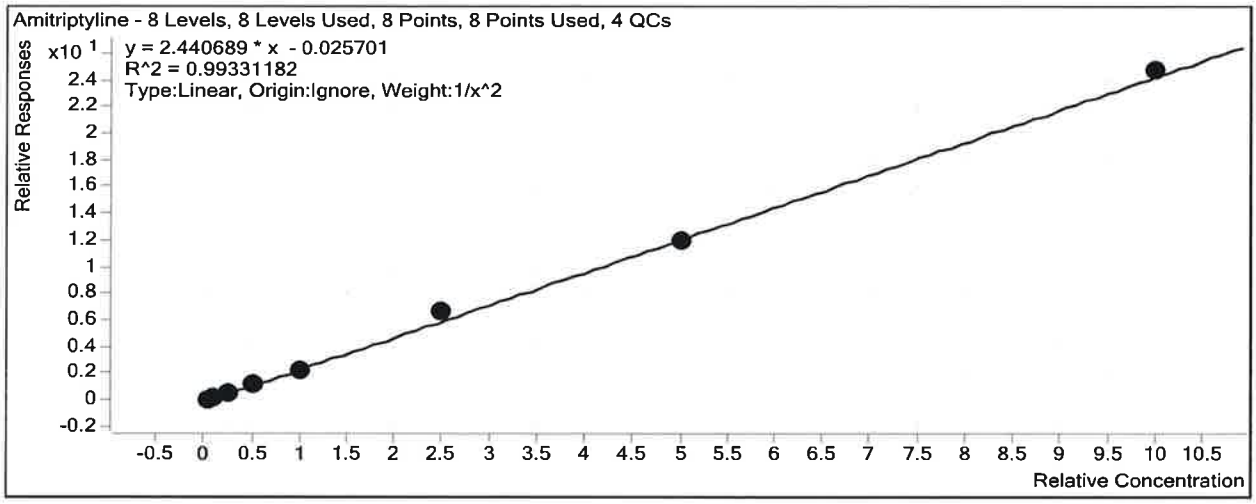
15

Batch Data Path C:\MassHunter\Data\2018\MD Quant\061818 MDQ P1 and P2 TS\QuantResults\p2a MDQ 61818 final.batch.bin

Last Calib Update 6/22/2018 1:37 PM **Analyst Name** ISP TOX

Target Compound *Amitriptyline*

Internal Standard *Amitriptyline-D3*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
P2 a cal 1-5ng.d	1	☑	5	5.3	106.5
P2 a cal 2-10ng.d	2	☑	10	8.6	85.9
P2 a QC 10 (QC1).d	2	☑	10	9.4	94.1
P2 a cal 3-25ng.d	3	☑	25	25.9	103.6
P2 a cal 4-50ng.d	4	☑	50	49.3	98.5
P2 a cal 5-100ng.d	5	☑	100	96.0	96.0
P2 a QC 100 (QC2).d	5	☑	100	89.5	89.5
P2 a cal 6-250ng.d	6	☑	250	272.4	109.0
P2 a QC 250 (QC 3).d	6	☑	250	254.3	101.7
P2 a cal 7-500ng.d	7	☑	500	495.1	99.0
P2 a cal 8-1000ng.d	8	☑	1000	1014.0	101.4
P2 a QC 1000 (QC 4).d	8	☑	1000	936.2	93.6

ISP Forensics
Calibration Curve Report

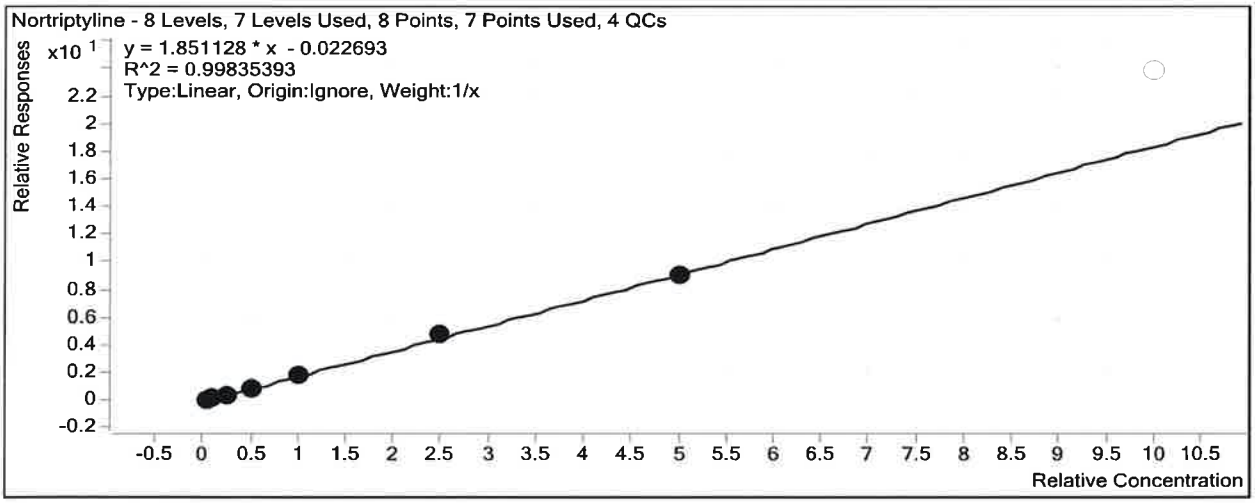
15

Batch Data Path C:\MassHunter\Data\2018\MD Quant\061818 MDQ P1 and P2 TS\QuantResults\p2a MDQ 61818 final.batch.bin

Last Calib Update 6/22/2018 1:37 PM **Analyst Name** ISP TOX

Target Compound *Nortriptyline*

Internal Standard *Nortriptyline-D3*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
P2 a cal 1-5ng.d	1	☑	5	5.5	109.3
P2 a cal 2-10ng.d	2	☑	10	9.7	96.6
P2 a QC 10 (QC1).d	2	☑	10	9.8	98.1
P2 a cal 3-25ng.d	3	☑	25	23.9	95.8
P2 a cal 4-50ng.d	4	☑	50	46.3	92.6
P2 a cal 5-100ng.d	5	☑	100	102.8	102.8
P2 a QC 100 (QC2).d	5	☑	100	110.8	110.8
P2 a cal 6-250ng.d	6	☑	250	262.7	105.1
P2 a QC 250 (QC 3).d	6	☑	250	276.9	110.7
P2 a cal 7-500ng.d	7	☑	500	489.1	97.8
P2 a cal 8-1000ng.d	8	☐	1000	1288.8	128.9
P2 a QC 1000 (QC 4).d	8	☐	1000	1187.1	118.7

ISP Forensics
Calibration Curve Report

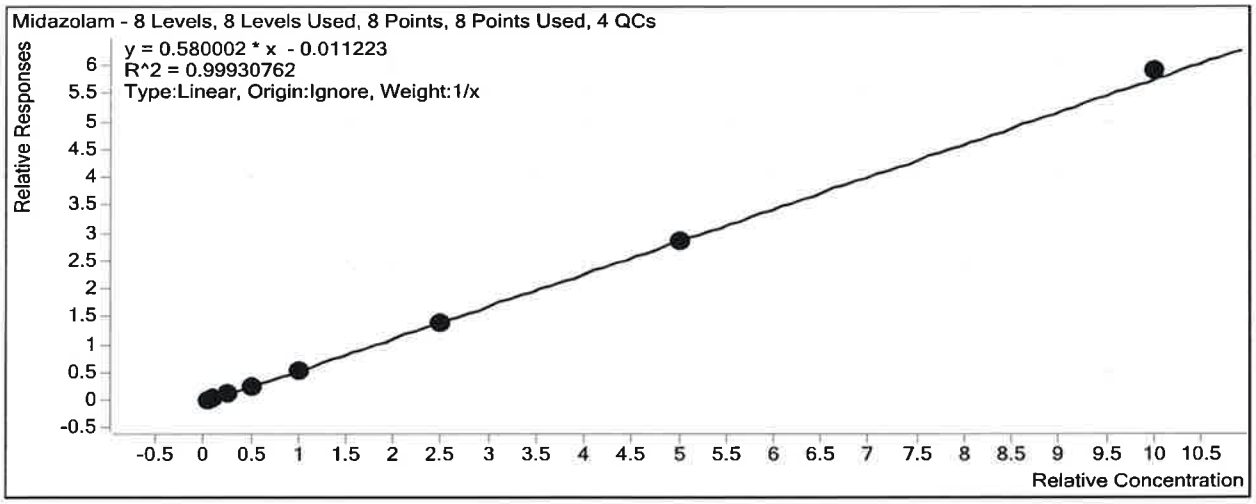
15

Batch Data Path C:\MassHunter\Data\2018\MD Quant\061818 MDQ P1 and P2 TS\QuantResults\p2a MDQ 61818 final.batch.bin

Last Calib Update 6/22/2018 1:37 PM **Analyst Name** ISP TOX

Target Compound *Midazolam*

Internal Standard *Midazolam-D4*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
P2 a cal 1-5ng.d	1	☑	5	5.9	117.5
P2 a cal 2-10ng.d	2	☑	10	9.9	98.7
P2 a QC 10 (QC1).d	2	☑	10	9.7	96.6
P2 a cal 3-25ng.d	3	☑	25	23.8	95.0
P2 a cal 4-50ng.d	4	☑	50	48.0	96.0
P2 a cal 5-100ng.d	5	☑	100	94.5	94.5
P2 a QC 100 (QC2).d	5	☑	100	99.7	99.7
P2 a cal 6-250ng.d	6	☑	250	242.9	97.1
P2 a QC 250 (QC 3).d	6	☑	250	244.5	97.8
P2 a cal 7-500ng.d	7	☑	500	495.4	99.1
P2 a cal 8-1000ng.d	8	☑	1000	1019.7	102.0
P2 a QC 1000 (QC 4).d	8	☑	1000	1033.6	103.4

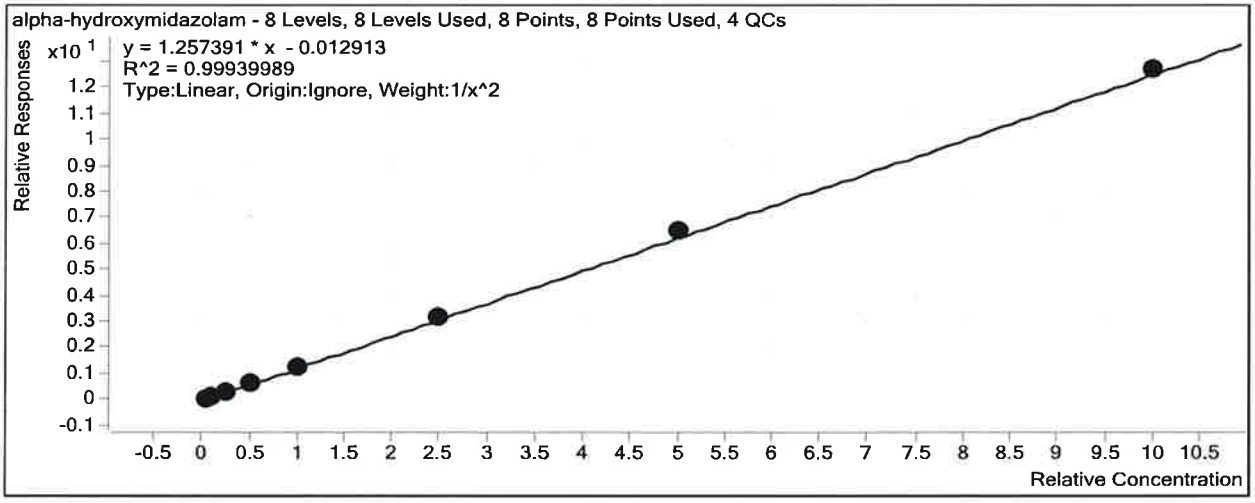
ISP Forensics
Calibration Curve Report

15

Batch Data Path	C:\MassHunter\Data\2018\MD Quant\061818 MDQ P1 and P2 TS\QuantResults\p2a MDQ 61818 final.batch.bin		
Last Calib Update	6/22/2018 1:37 PM	**Analyst Name**	ISP TOX

Target Compound *alpha-hydroxymidazolam*

Internal Standard *alpha-hydroxymidazolam-D4*

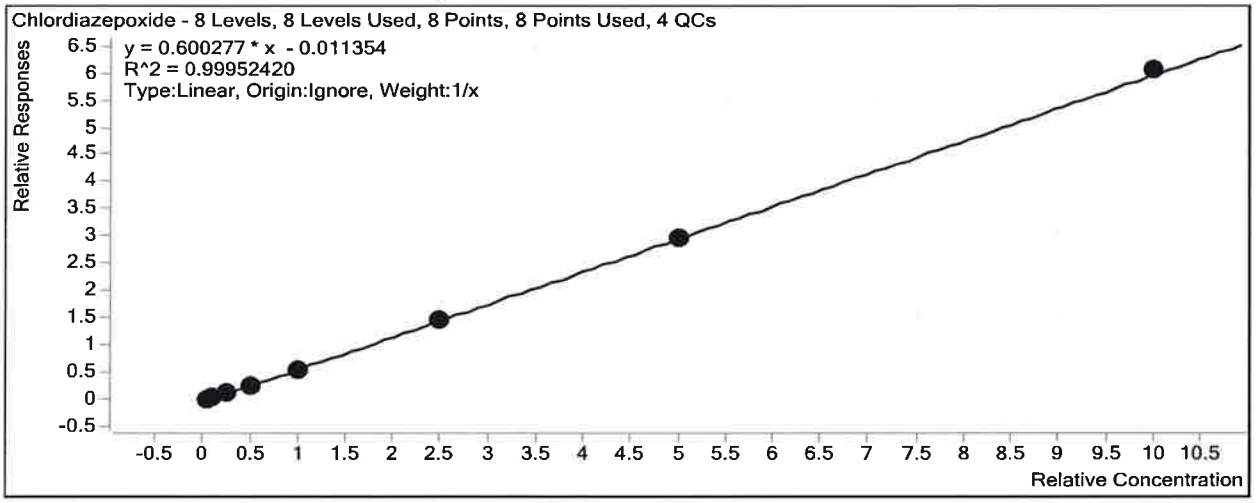


Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
P2 a cal 1-5ng.d	1	☑	5	5.1	101.0
P2 a cal 2-10ng.d	2	☑	10	9.9	98.7
P2 a QC 10 (QC1).d	2	☑	10	10.7	106.8
P2 a cal 3-25ng.d	3	☑	25	24.9	99.4
P2 a cal 4-50ng.d	4	☑	50	49.2	98.4
P2 a cal 5-100ng.d	5	☑	100	97.0	97.0
P2 a QC 100 (QC2).d	5	☑	100	111.4	111.4
P2 a cal 6-250ng.d	6	☑	250	251.4	100.5
P2 a QC 250 (QC 3).d	6	☑	250	271.8	108.7
P2 a cal 7-500ng.d	7	☑	500	519.5	103.9
P2 a cal 8-1000ng.d	8	☑	1000	1010.8	101.1
P2 a QC 1000 (QC 4).d	8	☑	1000	1134.5	113.4

ISP Forensics
Calibration Curve Report

Batch Data Path	C:\MassHunter\Data\2018\MD Quant\061818 MDQ P1 and P2 TS\QuantResults\p2a MDQ 61818 final.batch.bin		
Last Calib Update	6/22/2018 1:37 PM	**Analyst Name**	ISP TOX

Target Compound *Chlordiazepoxide*
Internal Standard *Chlordiazepoxide-D5*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
P2 a cal 1-5ng.d	1	☑	5	6.0	119.2
P2 a cal 2-10ng.d	2	☑	10	9.0	90.3
P2 a QC 10 (QC1).d	2	☑	10	10.9	109.2
P2 a cal 3-25ng.d	3	☑	25	25.2	100.9
P2 a cal 4-50ng.d	4	☑	50	47.5	95.0
P2 a cal 5-100ng.d	5	☑	100	94.2	94.2
P2 a QC 100 (QC2).d	5	☑	100	98.9	98.9
P2 a cal 6-250ng.d	6	☑	250	248.9	99.6
P2 a QC 250 (QC 3).d	6	☑	250	245.1	98.1
P2 a cal 7-500ng.d	7	☑	500	499.5	99.9
P2 a cal 8-1000ng.d	8	☑	1000	1009.7	101.0
P2 a QC 1000 (QC 4).d	8	☑	1000	1057.6	105.8

TS

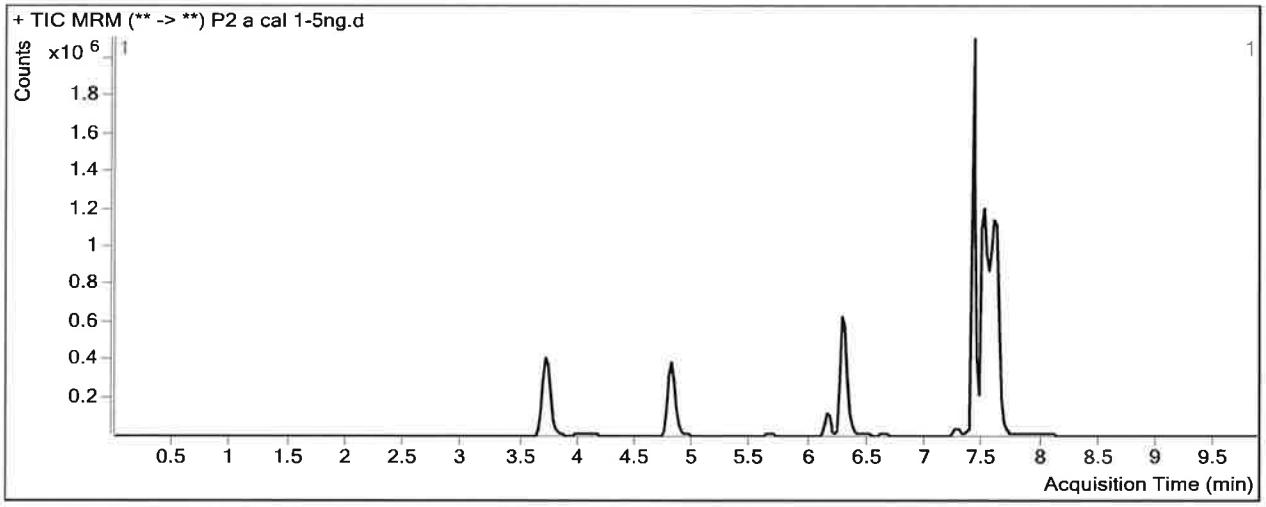
ISP FORENSICS - Pocatello Instrument # 59740
Multi-Drug Confirmatory Analysis Report

Batch Data Path	C:\MassHunter\Data\2018\MD Quant\061818 MDQ P1 and P2 TS\QuantResults\p2a MDQ 61818 final.batch.bir		
Analysis Time	6/22/2018 1:37 PM	**Analyst Name**	ISPUser
Report Time	6/22/2018 1:38 PM	**Reporter Name**	ISPUser
Last Calib Update	6/22/2018 1:37 PM	**Batch State**	Processed

Analysis Info

Acq Time	2018-06-18 16:01	**Data File**	P2 a cal 1-5ng.d
Sample Type	Calibration	**Sample Name**	P2 a cal 1-5ng.d
Dilution	1	**Acq Method**	MDQ Panel 2a 6-18-18.m
Position	P1-A5	**Sample Info**	
Inj Vol	-1	**Comment**	AM 28-Panel 2

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Pseudoephedrine	Pseudoephedrine-D3	3.736	182934	1827722	0.1001	5.8129
Zopiclone	Zopiclone-D4	6.151	42394	388113	0.1092	5.9790
Amitriptyline	Amitriptyline-D3	7.489	9191	88172	0.1042	5.3240
Nortriptyline	Nortriptyline-D3	7.514	6150	78342	0.0785	5.4666
Midazolam	Midazolam-D4	7.543	35829	1568459	0.0228	5.8735
alpha-hydroxymidazolam	alpha-hydroxymidazolam-D4	7.582	95612	1889197	0.0506	5.0520
Chlordiazepoxide	Chlordiazepoxide-D5	7.605	59765	2447284	0.0244	5.9597

TS

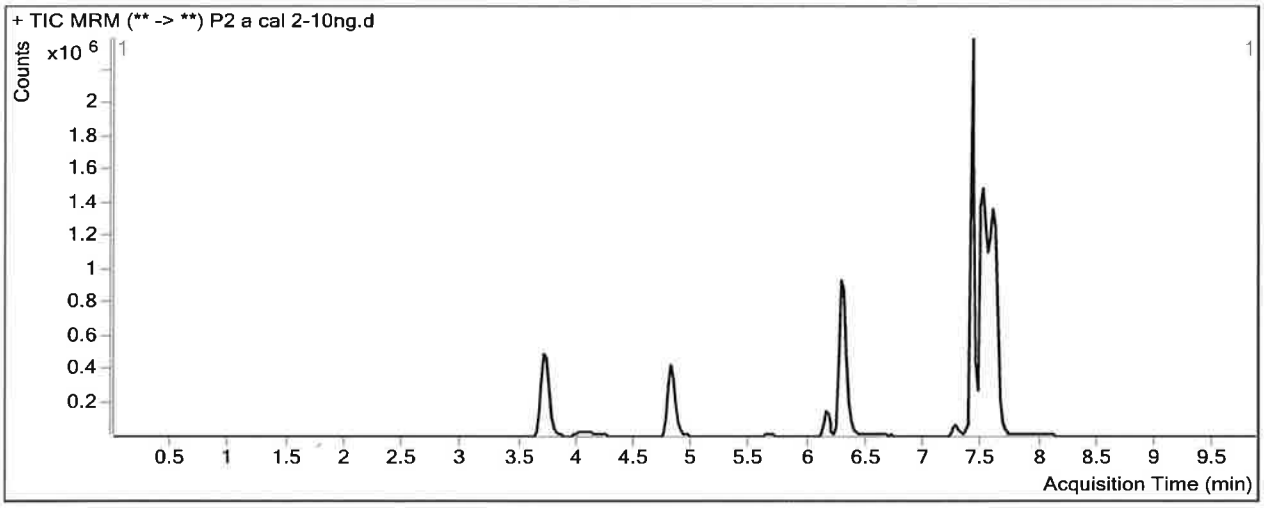
ISP FORENSICS - Pocatello Instrument # 59740
Multi-Drug Confirmatory Analysis Report

Batch Data Path	C:\MassHunter\Data\2018\MD Quant\061818 MDQ P1 and P2 TS\QuantResults\p2a MDQ 61818 final.batch.bir		
Analysis Time	6/22/2018 1:37 PM	**Analyst Name**	ISPUser
Report Time	6/22/2018 1:38 PM	**Reporter Name**	ISPUser
Last Calib Update	6/22/2018 1:37 PM	**Batch State**	Processed

Analysis Info

Acq Time	2018-06-18 16:26	**Data File**	P2 a cal 2-10ng.d
Sample Type	Calibration	**Sample Name**	P2 a cal 2-10ng.d
Dilution	1	**Acq Method**	MDQ Panel 2a 6-18-18.m
Position	P1-B5	**Sample Info**	
Inj Vol	-1	**Comment**	AM 28-Panel 2

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Pseudoephedrine	Pseudoephedrine-D3	3.736	412354	2039722	0.2022	9.8902
Zopiclone	Zopiclone-D4	6.151	103767	427745	0.2426	10.1435
Amitriptyline	Amitriptyline-D3	7.489	23615	128349	0.1840	8.5915
Nortriptyline	Nortriptyline-D3	7.514	19948	127804	0.1561	9.6576
Midazolam	Midazolam-D4	7.543	89967	1953698	0.0460	9.8745
alpha-hydroxymidazolam	alpha-hydroxymidazolam-D4	7.582	227222	2044022	0.1112	9.8678
Chlordiazepoxide	Chlordiazepoxide-D5	7.605	114562	2674451	0.0428	9.0275

B

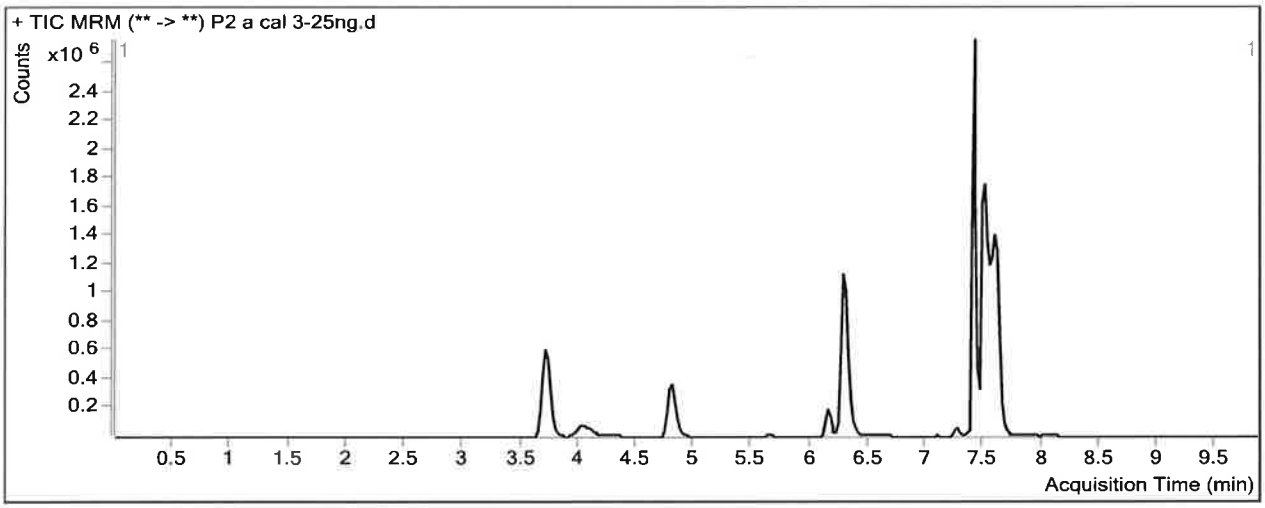
ISP FORENSICS - Pocatello Instrument # 59740
Multi-Drug Confirmatory Analysis Report

Batch Data Path	C:\MassHunter\Data\2018\MD Quant\061818 MDQ P1 and P2 TS\QuantResults\p2a MDQ 61818 final.batch.bir		
Analysis Time	6/22/2018 1:37 PM	**Analyst Name**	ISPUser
Report Time	6/22/2018 1:38 PM	**Reporter Name**	ISPUser
Last Calib Update	6/22/2018 1:37 PM	**Batch State**	Processed

Analysis Info

Acq Time	2018-06-18 16:52	**Data File**	P2 a cal 3-25ng.d
Sample Type	Calibration	**Sample Name**	P2 a cal 3-25ng.d
Dilution	1	**Acq Method**	MDQ Panel 2a 6-18-18.m
Position	P1-C5	**Sample Info**	
Inj Vol	-1	**Comment**	AM 28-Panel 2

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Pseudoephedrine	Pseudoephedrine-D3	3.736	1021425	1830505	0.5580	24.1043
Zopiclone	Zopiclone-D4	6.131	233899	348419	0.6713	23.5316
Amitriptyline	Amitriptyline-D3	7.489	33257	54813	0.6067	25.9124
Nortriptyline	Nortriptyline-D3	7.514	20512	48772	0.4206	23.9462
Midazolam	Midazolam-D4	7.543	219434	1733996	0.1265	23.7536
alpha-hydroxymidazolam	alpha-hydroxymidazolam-D4	7.562	522161	1743103	0.2996	24.8508
Chlordiazepoxide	Chlordiazepoxide-D5	7.605	311726	2224768	0.1401	25.2334

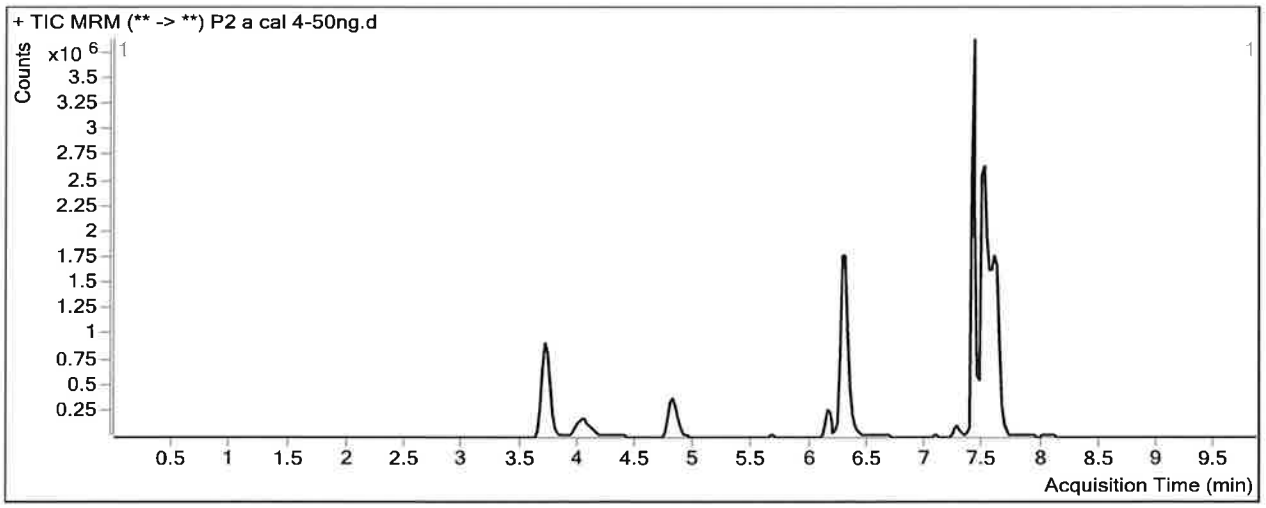
ISP FORENSICS - Pocatello Instrument # 59740
Multi-Drug Confirmatory Analysis Report

Batch Data Path	C:\MassHunter\Data\2018\MD Quant\061818 MDQ P1 and P2 TS\QuantResults\p2a MDQ 61818 final.batch.bir		
Analysis Time	6/22/2018 1:37 PM	**Analyst Name**	ISPUser
Report Time	6/22/2018 1:38 PM	**Reporter Name**	ISPUser
Last Calib Update	6/22/2018 1:37 PM	**Batch State**	Processed

Analysis Info

Acq Time	2018-06-18 17:17	**Data File**	P2 a cal 4-50ng.d
Sample Type	Calibration	**Sample Name**	P2 a cal 4-50ng.d
Dilution	1	**Acq Method**	MDQ Panel 2a 6-18-18.m
Position	P1-D5	**Sample Info**	
Inj Vol	-1	**Comment**	AM 28-Panel 2

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Pseudoephedrine	Pseudoephedrine-D3	3.736	2216194	1941295	1.1416	47.4164
Zopiclone	Zopiclone-D4	6.131	473711	333652	1.4198	46.9042
Amitriptyline	Amitriptyline-D3	7.489	121771	103481	1.1768	49.2669
Nortriptyline	Nortriptyline-D3	7.514	74429	89198	0.8344	46.3025
Midazolam	Midazolam-D4	7.543	487473	1823761	0.2673	48.0193
alpha-hydroxymidazolam	alpha-hydroxymidazolam-D4	7.562	1059744	1750146	0.6055	49.1836
Chlordiazepoxide	Chlordiazepoxide-D5	7.605	614524	2245617	0.2737	47.4796

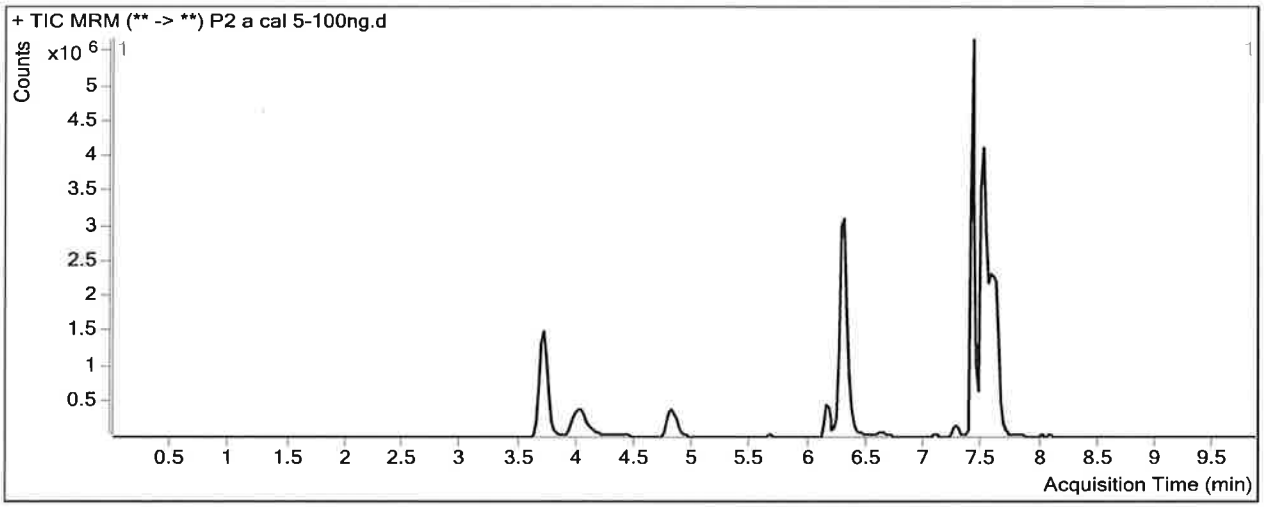
ISP FORENSICS - Pocatello Instrument # 59740
Multi-Drug Confirmatory Analysis Report

Batch Data Path	C:\MassHunter\Data\2018\MD Quant\061818 MDQ P1 and P2 TS\QuantResults\p2a MDQ 61818 final.batch.bir		
Analysis Time	6/22/2018 1:37 PM	**Analyst Name**	ISPUser
Report Time	6/22/2018 1:38 PM	**Reporter Name**	ISPUser
Last Calib Update	6/22/2018 1:37 PM	**Batch State**	Processed

Analysis Info

Acq Time	2018-06-18 17:43	**Data File**	P2 a cal 5-100ng.d
Sample Type	Calibration	**Sample Name**	P2 a cal 5-100ng.d
Dilution	1	**Acq Method**	MDQ Panel 2a 6-18-18.m
Position	P1-E5	**Sample Info**	
Inj Vol	-1	**Comment**	AM 28-Panel 2

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Pseudoephedrine	Pseudoephedrine-D3	3.716	4538418	1982462	2.2893	93.2605
Zopiclone	Zopiclone-D4	6.131	994566	347515	2.8619	91.9396
Amitriptyline	Amitriptyline-D3	7.489	189857	81898	2.3182	96.0353
Nortriptyline	Nortriptyline-D3	7.514	127428	67777	1.8801	102.7912
Midazolam	Midazolam-D4	7.543	978939	1822642	0.5371	94.5380
alpha-hydroxymidazolam	alpha-hydroxymidazolam-D4	7.562	1967449	1630646	1.2065	96.9832
Chlordiazepoxide	Chlordiazepoxide-D5	7.605	1123786	2027819	0.5542	94.2129

15

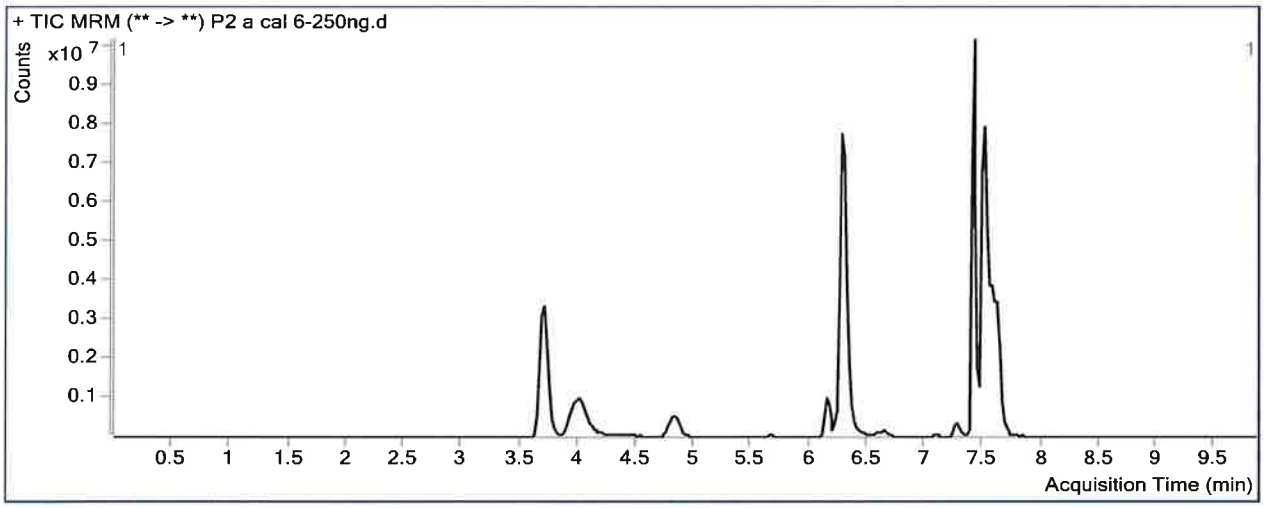
ISP FORENSICS - Pocatello Instrument # 59740
Multi-Drug Confirmatory Analysis Report

Batch Data Path	C:\MassHunter\Data\2018\MD Quant\061818 MDQ P1 and P2 TS\QuantResults\p2a MDQ 61818 final.batch.bir		
Analysis Time	6/22/2018 1:37 PM	**Analyst Name**	ISPUser
Report Time	6/22/2018 1:38 PM	**Reporter Name**	ISPUser
Last Calib Update	6/22/2018 1:37 PM	**Batch State**	Processed

Analysis Info

Acq Time	2018-06-18 18:09	**Data File**	P2 a cal 6-250ng.d
Sample Type	Calibration	**Sample Name**	P2 a cal 6-250ng.d
Dilution	1	**Acq Method**	MDQ Panel 2a 6-18-18.m
Position	P1-F5	**Sample Info**	
Inj Vol	-1	**Comment**	AM 28-Panel 2

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Pseudoephedrine	Pseudoephedrine-D3	3.716	12086700	1991265	6.0699	244.2761
Zopiclone	Zopiclone-D4	6.131	2383982	312362	7.6321	240.9017
Amitriptyline	Amitriptyline-D3	7.489	449844	67916	6.6236	272.4341
Nortriptyline	Nortriptyline-D3	7.514	267835	55331	4.8406	262.7189
Midazolam	Midazolam-D4	7.543	2407067	1722499	1.3974	242.8699
alpha-hydroxymidazolam	alpha-hydroxymidazolam-D4	7.562	4040968	1283810	3.1476	251.3577
Chlordiazepoxide	Chlordiazepoxide-D5	7.605	2366292	1595949	1.4827	248.8917

15

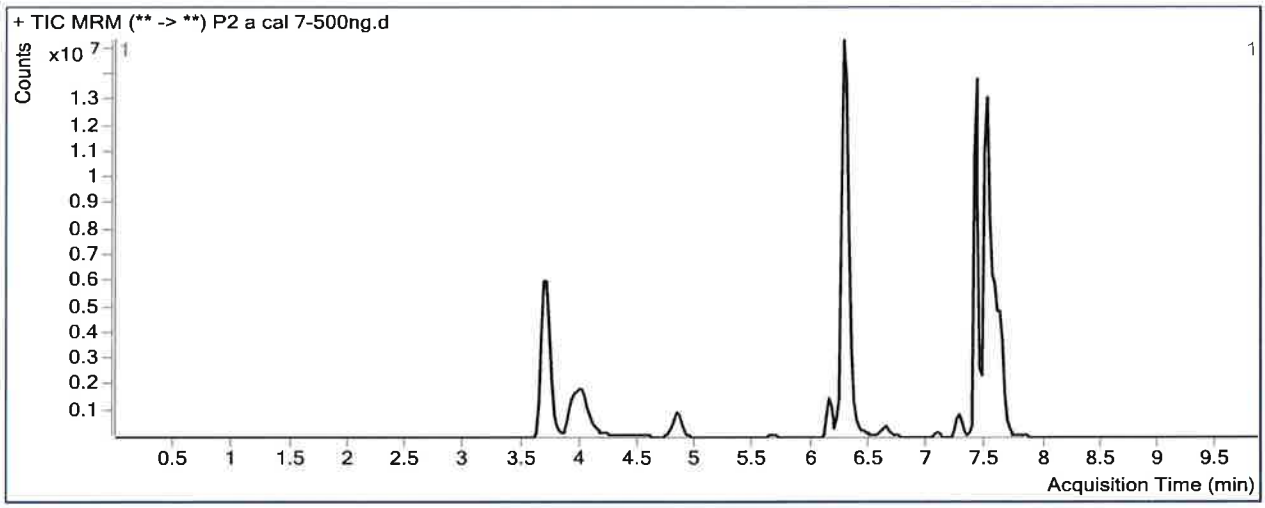
ISP FORENSICS - Pocatello Instrument # 59740
Multi-Drug Confirmatory Analysis Report

Batch Data Path	C:\MassHunter\Data\2018\MD Quant\061818 MDQ P1 and P2 TS\QuantResults\p2a MDQ 61818 final.batch.bir		
Analysis Time	6/22/2018 1:37 PM	**Analyst Name**	ISPUser
Report Time	6/22/2018 1:39 PM	**Reporter Name**	ISPUser
Last Calib Update	6/22/2018 1:37 PM	**Batch State**	Processed

Analysis Info

Acq Time	2018-06-18 18:34	**Data File**	P2 a cal 7-500ng.d
Sample Type	Calibration	**Sample Name**	P2 a cal 7-500ng.d
Dilution	1	**Acq Method**	MDQ Panel 2a 6-18-18.m
Position	P1-G5	**Sample Info**	
Inj Vol	-1	**Comment**	AM 28-Panel 2

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Pseudoephedrine	Pseudoephedrine-D3	3.716	24847444	1949431	12.7460	510.9553
Zopiclone	Zopiclone-D4	6.131	3847825	238251	16.1503	506.9041
Amitriptyline	Amitriptyline-D3	7.489	1261763	104650	12.0570	495.0518
Nortriptyline	Nortriptyline-D3	7.514	705312	78095	9.0315	489.1170
Midazolam	Midazolam-D4	7.543	4511193	1576224	2.8620	495.3862
alpha-hydroxymidazolam	alpha-hydroxymidazolam-D4	7.562	6444912	988550	6.5196	519.5259
Chlordiazepoxide	Chlordiazepoxide-D5	7.605	3735944	1250760	2.9869	499.4847

TS

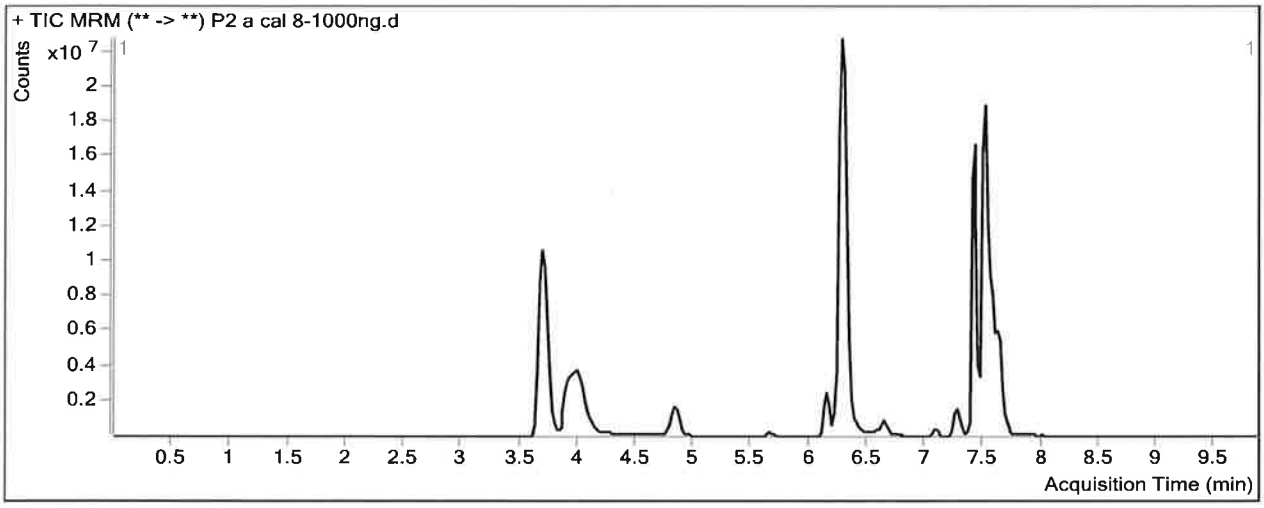
ISP FORENSICS - Pocatello Instrument # 59740
Multi-Drug Confirmatory Analysis Report

Batch Data Path	C:\MassHunter\Data\2018\MD Quant\061818 MDQ P1 and P2 TS\QuantResults\p2a MDQ 61818 final.batch.bir		
Analysis Time	6/22/2018 1:37 PM	**Analyst Name**	ISPUser
Report Time	6/22/2018 1:39 PM	**Reporter Name**	ISPUser
Last Calib Update	6/22/2018 1:37 PM	**Batch State**	Processed

Analysis Info

Acq Time	2018-06-18 19:00	**Data File**	P2 a cal 8-1000ng.d
Sample Type	Calibration	**Sample Name**	P2 a cal 8-1000ng.d
Dilution	1	**Acq Method**	MDQ Panel 2a 6-18-18.m
Position	P1-H5	**Sample Info**	
Inj Vol	-1	**Comment**	AM 28-Panel 2

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Pseudoephedrine	Pseudoephedrine-D3	3.696	46718834	1861592	25.0962	1004.2843
Zopiclone	Zopiclone-D4	6.131	6247062	192934	32.3792	1013.6964
Amitriptyline	Amitriptyline-D3	7.489	1975342	79898	24.7232	1014.0148
Nortriptyline	Nortriptyline-D3	7.514	1124028	47160	23.8344	1288.7861
Midazolam	Midazolam-D4	7.543	7558562	1280468	5.9030	1019.6848
alpha-hydroxymidazolam	alpha-hydroxymidazolam-D4	7.562	8694563	684778	12.6969	1010.8092
Chlordiazepoxide	Chlordiazepoxide-D5	7.625	5289771	874384	6.0497	1009.7105

TS

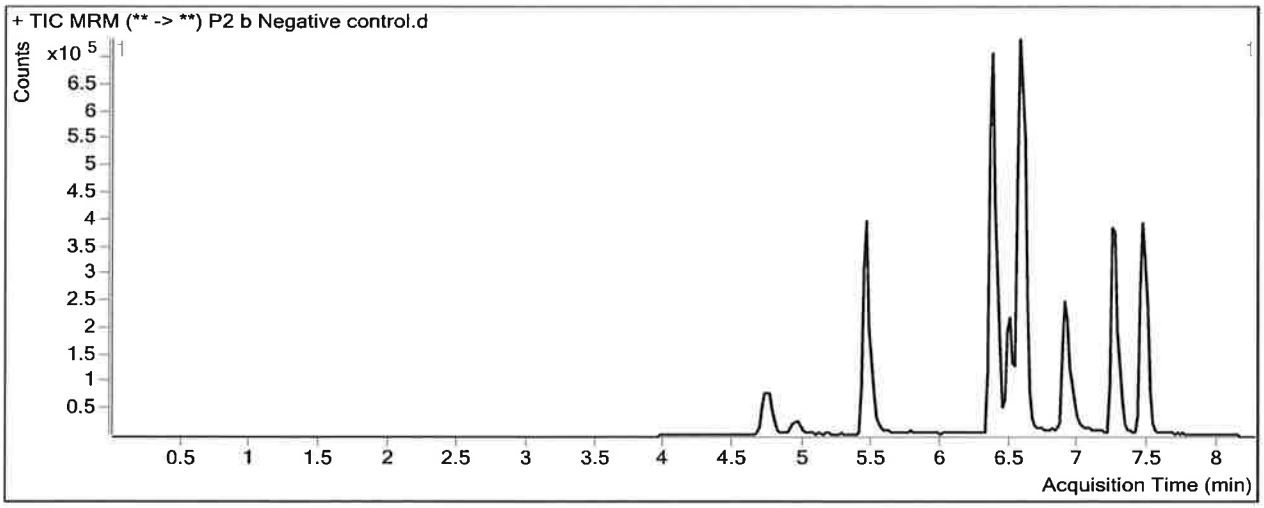
ISP FORENSICS - Pocatello Instrument # 59740
Multi-Drug Confirmatory Analysis Report

Batch Data Path	C:\MassHunter\Data\2018\MD Quant\061818 MDQ P1 and P2 TS\QuantResults\p2b MDQ 61818 fi		
Analysis Time	6/22/2018 1:41 PM	**Analyst Name**	ISPUser
Report Time	6/22/2018 1:42 PM	**Reporter Name**	ISPUser
Last Calib Update	6/22/2018 1:41 PM	**Batch State**	Processed

Analysis Info

Acq Time	2018-06-18 19:51	**Data File**	P2 b Negative control.d
Sample Type	Sample	**Sample Name**	P2 b Negative control.d
Dilution	1	**Acq Method**	MDQ Panel 2b 06-18-18.m
Position	P1-E6	**Sample Info**	
Inj Vol	-1	**Comment**	AM 28-Panel 2

Sample Chromatogram



15

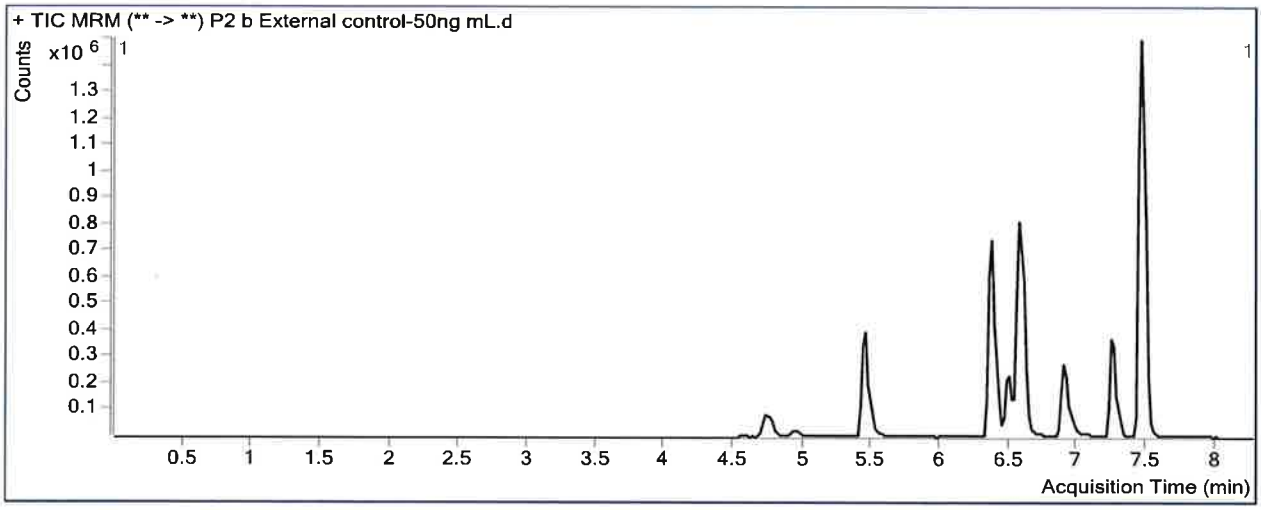
ISP FORENSICS - Pocatello Instrument # 59740
Multi-Drug Confirmatory Analysis Report

Batch Data Path	C:\MassHunter\Data\2018\MD Quant\061818 MDQ P1 and P2 TS\QuantResults\p2b MDQ 61818 final.batch.bir		
Analysis Time	6/22/2018 1:41 PM	**Analyst Name**	ISPUser
Report Time	6/22/2018 1:42 PM	**Reporter Name**	ISPUser
Last Calib Update	6/22/2018 1:41 PM	**Batch State**	Processed

Analysis Info

Acq Time	2018-06-18 20:16	**Data File**	P2 b External control-50ng mL.d
Sample Type	Sample	**Sample Name**	P2 b External control-50ng mL.d
Dilution	1	**Acq Method**	MDQ Panel 2b 06-18-18.m
Position	P1-F6	**Sample Info**	
Inj Vol	-1	**Comment**	AM 28; WS061218 50 ng flunitrazepam, zopiclone, chlorodiazepoxide

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Flunitrazepam	Flunitrazepam-D7	7.456	2023246	556165	3.6379	39.8121

15

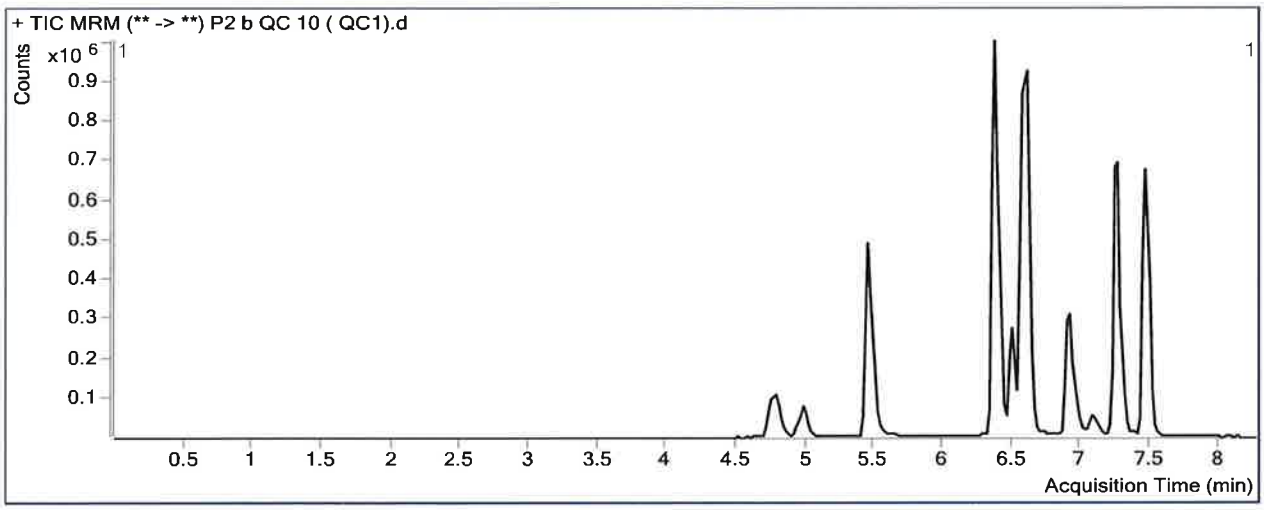
ISP FORENSICS - Pocatello Instrument # 59740
Multi-Drug Confirmatory Analysis Report

Batch Data Path	C:\MassHunter\Data\2018\MD Quant\061818 MDQ P1 and P2 TS\QuantResults\p2b MDQ 61818 final.batch.bir		
Analysis Time	6/22/2018 1:41 PM	**Analyst Name**	ISPUser
Report Time	6/22/2018 1:42 PM	**Reporter Name**	ISPUser
Last Calib Update	6/22/2018 1:41 PM	**Batch State**	Processed

Analysis Info

Acq Time	2018-06-18 21:07	**Data File**	P2 b QC 10 (QC1).d
Sample Type	QC	**Sample Name**	P2 b QC 10 (QC1).d
Dilution	1	**Acq Method**	MDQ Panel 2b 06-18-18.m
Position	P1-A6	**Sample Info**	
Inj Vol	-1	**Comment**	AM 28-Panel 2

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Flunitrazepam	Flunitrazepam-D7	7.456	454030	537168	0.8452	11.1250

15

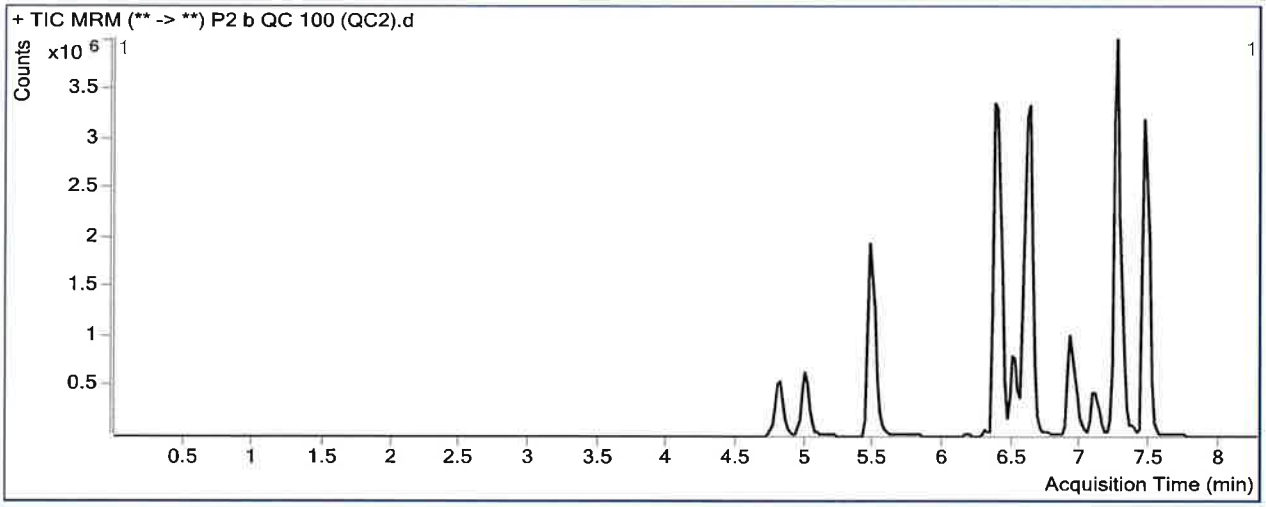
ISP FORENSICS - Pocatello Instrument # 59740
Multi-Drug Confirmatory Analysis Report

Batch Data Path	C:\MassHunter\Data\2018\MD Quant\061818 MDQ P1 and P2 TS\QuantResults\p2b MDQ 61818 final.batch.bir		
Analysis Time	6/22/2018 1:41 PM	**Analyst Name**	ISPUser
Report Time	6/22/2018 1:42 PM	**Reporter Name**	ISPUser
Last Calib Update	6/22/2018 1:41 PM	**Batch State**	Processed

Analysis Info

Acq Time	2018-06-18 22:24	**Data File**	P2 b QC 100 (QC2).d
Sample Type	QC	**Sample Name**	P2 b QC 100 (QC2).d
Dilution	1	**Acq Method**	MDQ Panel 2b 06-18-18.m
Position	P1-B6	**Sample Info**	
Inj Vol	-1	**Comment**	AM 28-Panel 2

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Flunitrazepam	Flunitrazepam-D7	7.456	4323153	479032	9.0248	95.1488

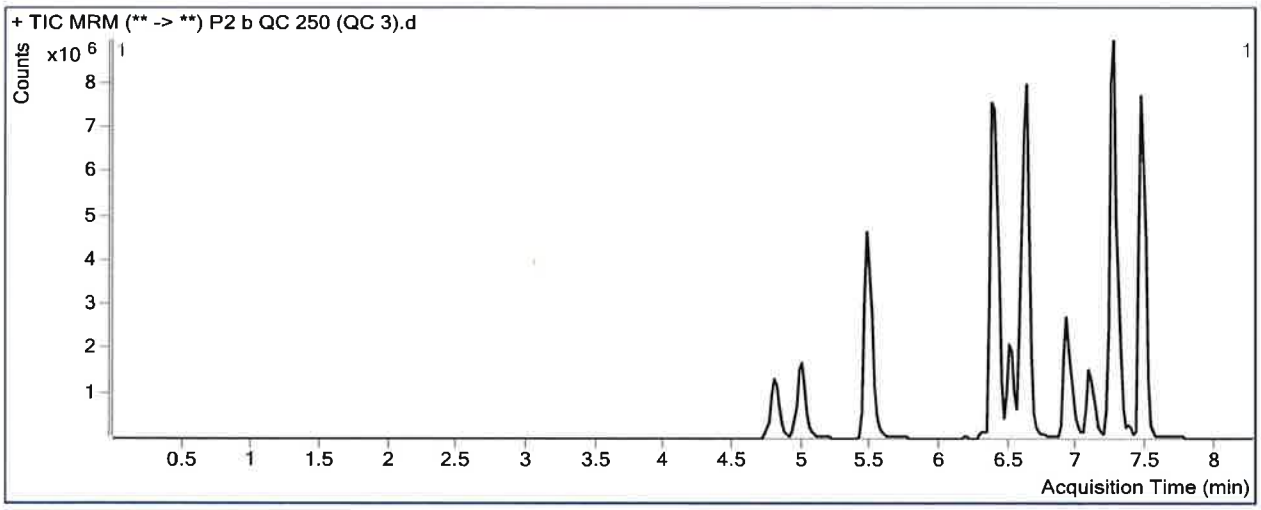
ISP FORENSICS - Pocatello Instrument # 59740
Multi-Drug Confirmatory Analysis Report

Batch Data Path	C:\MassHunter\Data\2018\MD Quant\061818 MDQ P1 and P2 TS\QuantResults\p2b MDQ 61818 final.batch.bir		
Analysis Time	6/22/2018 1:41 PM	**Analyst Name**	ISPUser
Report Time	6/22/2018 1:42 PM	**Reporter Name**	ISPUser
Last Calib Update	6/22/2018 1:41 PM	**Batch State**	Processed

Analysis Info

Acq Time	2018-06-18 23:40	**Data File**	P2 b QC 250 (QC 3).d
Sample Type	QC	**Sample Name**	P2 b QC 250 (QC 3).d
Dilution	1	**Acq Method**	MDQ Panel 2b 06-18-18.m
Position	P1-C6	**Sample Info**	
Inj Vol	-1	**Comment**	AM 28-Panel 2

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Flunitrazepam	Flunitrazepam-D7	7.456	9319710	394085	23.6490	245.3754

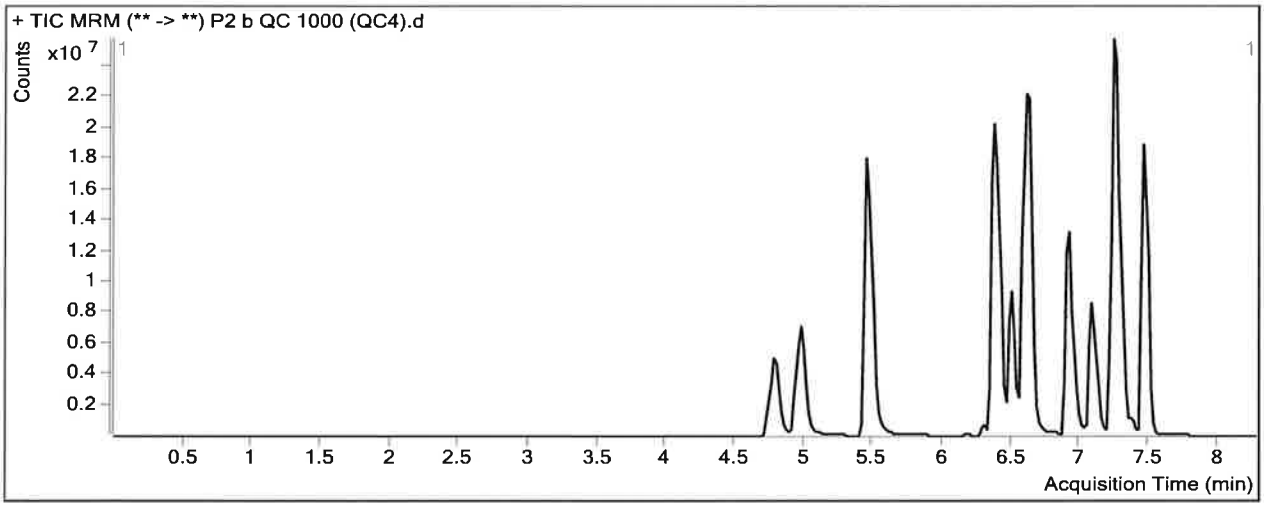
ISP FORENSICS - Pocatello Instrument # 59740
Multi-Drug Confirmatory Analysis Report

Batch Data Path	C:\MassHunter\Data\2018\MD Quant\061818 MDQ P1 and P2 TS\QuantResults\p2b MDQ 61818 final.batch.bir		
Analysis Time	6/22/2018 1:41 PM	**Analyst Name**	ISPUser
Report Time	6/22/2018 1:42 PM	**Reporter Name**	ISPUser
Last Calib Update	6/22/2018 1:41 PM	**Batch State**	Processed

Analysis Info

Acq Time	2018-06-19 00:56	**Data File**	P2 b QC 1000 (QC4).d
Sample Type	QC	**Sample Name**	P2 b QC 1000 (QC4).d
Dilution	1	**Acq Method**	MDQ Panel 2b 06-18-18.m
Position	P1-D6	**Sample Info**	
Inj Vol	-1	**Comment**	AM 28-Panel 2

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Flunitrazepam	Flunitrazepam-D7	7.456	20621214	201548	102.3144	1053.4617

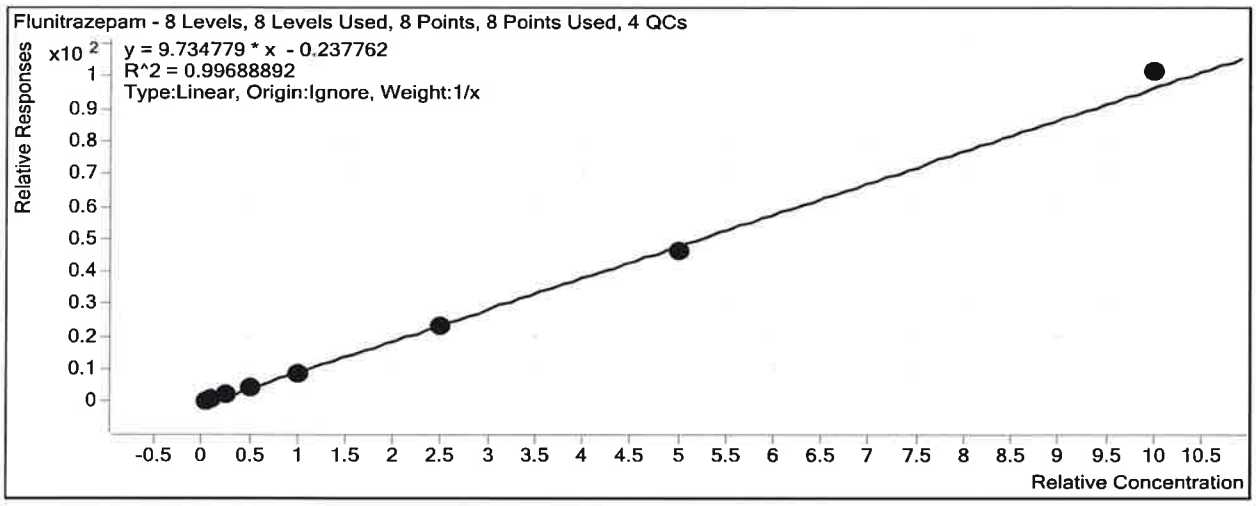
ISP Forensics
Calibration Curve Report

15

Batch Data Path	C:\MassHunter\Data\2018\MD Quant\061818 MDQ P1 and P2 TS\QuantResults\p2b MDQ 61818 final.batch.bin		
Last Calib Update	6/22/2018 1:41 PM	**Analyst Name**	ISP TOX

Target Compound *Flunitrazepam*

Internal Standard *Flunitrazepam-D7*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
P2 b cal 1-5ng.d	1	☑	5	6.4	127.4
P2 b cal 2-10ng.d	2	☑	10	10.2	102.4
P2 b QC 10 (QC1).d	2	☑	10	11.1	111.2
P2 b cal 3-25ng.d	3	☑	25	23.9	95.4
P2 b cal 4-50ng.d	4	☑	50	44.9	89.8
P2 b cal 5-100ng.d	5	☑	100	87.3	87.3
P2 b QC 100 (QC2).d	5	☑	100	95.1	95.1
P2 b cal 6-250ng.d	6	☑	250	243.1	97.2
P2 b QC 250 (QC 3).d	6	☑	250	245.4	98.2
P2 b cal 7-500ng.d	7	☑	500	480.0	96.0
P2 b cal 8-1000ng.d	8	☑	1000	1044.3	104.4
P2 b QC 1000 (QC4).d	8	☑	1000	1053.5	105.3

15

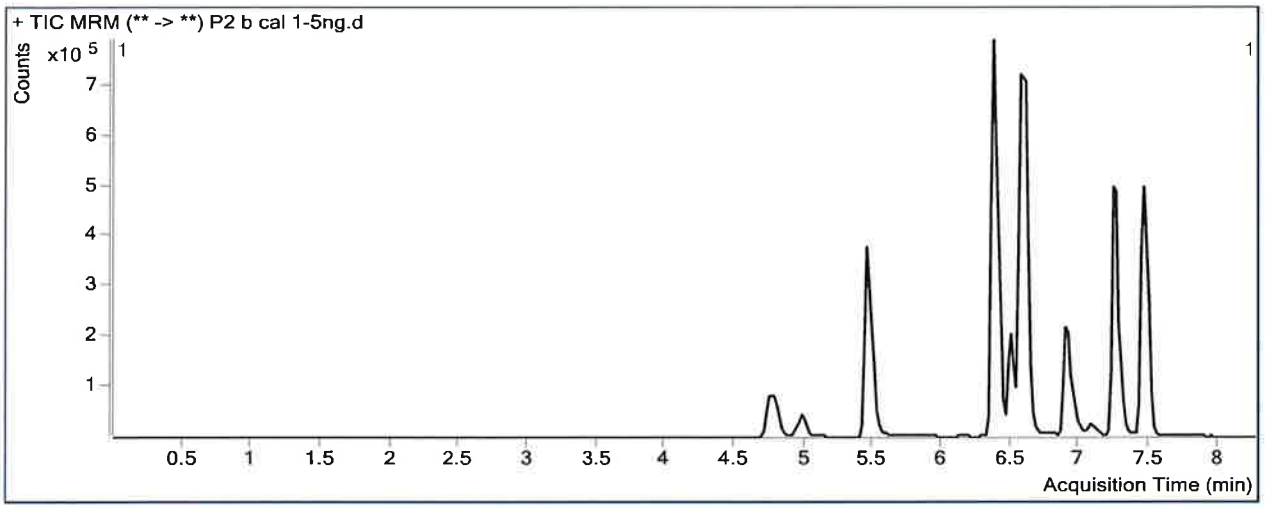
ISP FORENSICS - Pocatello Instrument # 59740
Multi-Drug Confirmatory Analysis Report

Batch Data Path	C:\MassHunter\Data\2018\MD Quant\061818 MDQ P1 and P2 TS\QuantResults\p2b MDQ 61818 final.batch.bir		
Analysis Time	6/22/2018 1:41 PM	**Analyst Name**	ISPUser
Report Time	6/22/2018 1:41 PM	**Reporter Name**	ISPUser
Last Calib Update	6/22/2018 1:41 PM	**Batch State**	Processed

Analysis Info

Acq Time	2018-06-18 16:14	**Data File**	P2 b cal 1-5ng.d
Sample Type	Calibration	**Sample Name**	P2 b cal 1-5ng.d
Dilution	1	**Acq Method**	MDQ Panel 2b 06-18-18.m
Position	P1-A5	**Sample Info**	
Inj Vol	-1	**Comment**	AM 28-Panel 2

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Flunitrazepam	Flunitrazepam-D7	7.456	209930	548824	0.3825	6.3717

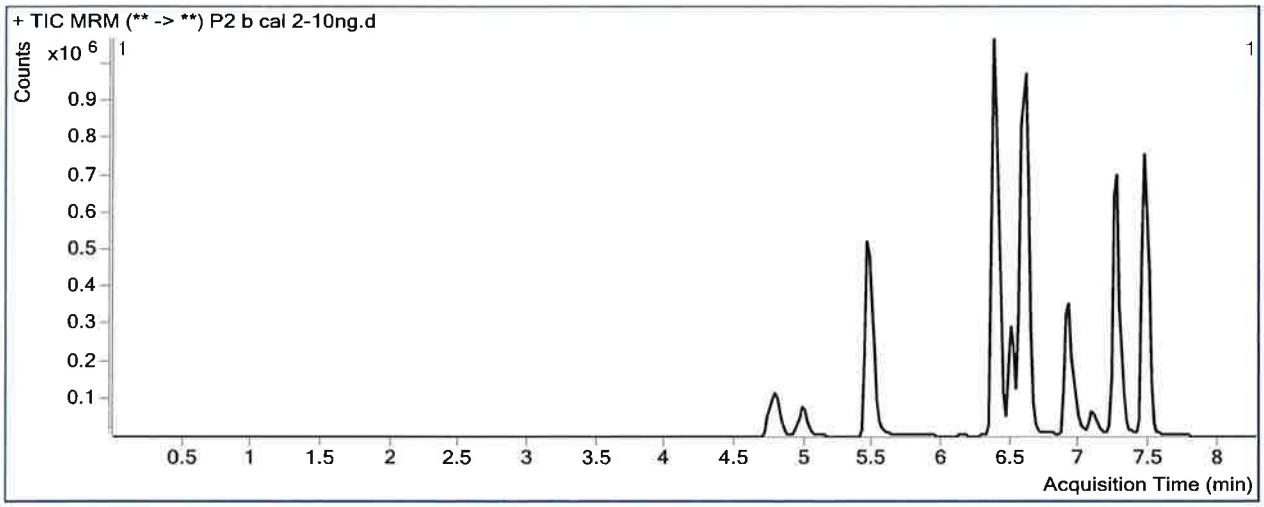
ISP FORENSICS - Pocatello Instrument # 59740
Multi-Drug Confirmatory Analysis Report

Batch Data Path	C:\MassHunter\Data\2018\MD Quant\061818 MDQ P1 and P2 TS\QuantResults\p2b MDQ 61818 final.batch.bir		
Analysis Time	6/22/2018 1:41 PM	**Analyst Name**	ISPUser
Report Time	6/22/2018 1:41 PM	**Reporter Name**	ISPUser
Last Calib Update	6/22/2018 1:41 PM	**Batch State**	Processed

Analysis Info

Acq Time	2018-06-18 16:39	**Data File**	P2 b cal 2-10ng.d
Sample Type	Calibration	**Sample Name**	P2 b cal 2-10ng.d
Dilution	1	**Acq Method**	MDQ Panel 2b 06-18-18.m
Position	P1-B5	**Sample Info**	
Inj Vol	-1	**Comment**	AM 28-Panel 2

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Flunitrazepam	Flunitrazepam-D7	7.456	437512	576543	0.7589	10.2377

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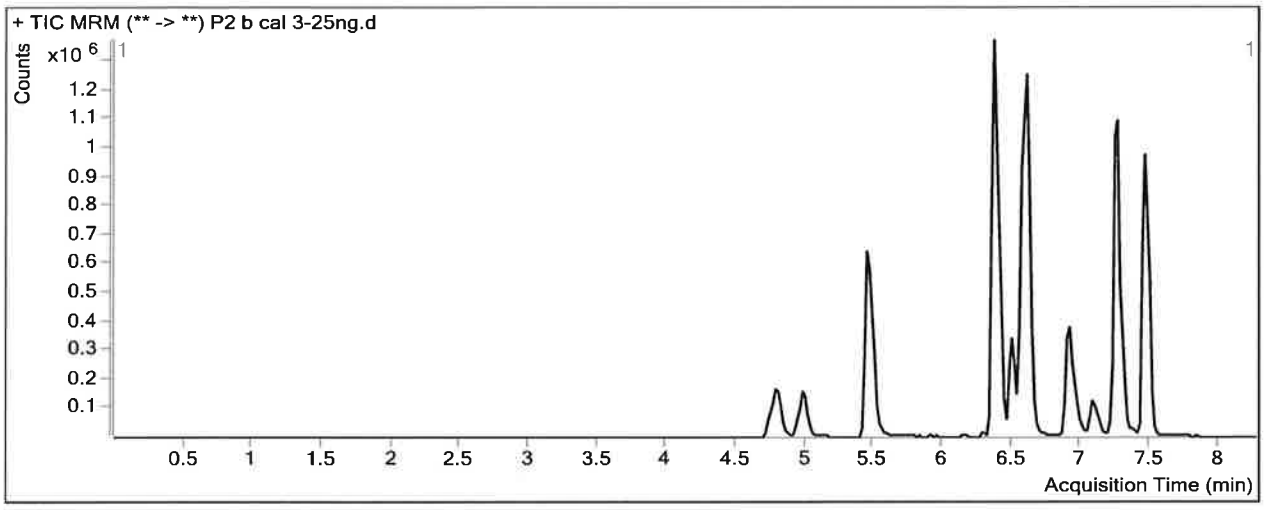
ISP FORENSICS - Pocatello Instrument # 59740
Multi-Drug Confirmatory Analysis Report

Batch Data Path	C:\MassHunter\Data\2018\MD Quant\061818 MDQ P1 and P2 TS\QuantResults\p2b MDQ 61818 final.batch.bir		
Analysis Time	6/22/2018 1:41 PM	**Analyst Name**	ISPUser
Report Time	6/22/2018 1:41 PM	**Reporter Name**	ISPUser
Last Calib Update	6/22/2018 1:41 PM	**Batch State**	Processed

Analysis Info

Acq Time	2018-06-18 17:05	**Data File**	P2 b cal 3-25ng.d
Sample Type	Calibration	**Sample Name**	P2 b cal 3-25ng.d
Dilution	1	**Acq Method**	MDQ Panel 2b 06-18-18.m
Position	P1-C5	**Sample Info**	
Inj Vol	-1	**Comment**	AM 28-Panel 2

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Flunitrazepam	Flunitrazepam-D7	7.456	1033729	495770	2.0851	23.8615

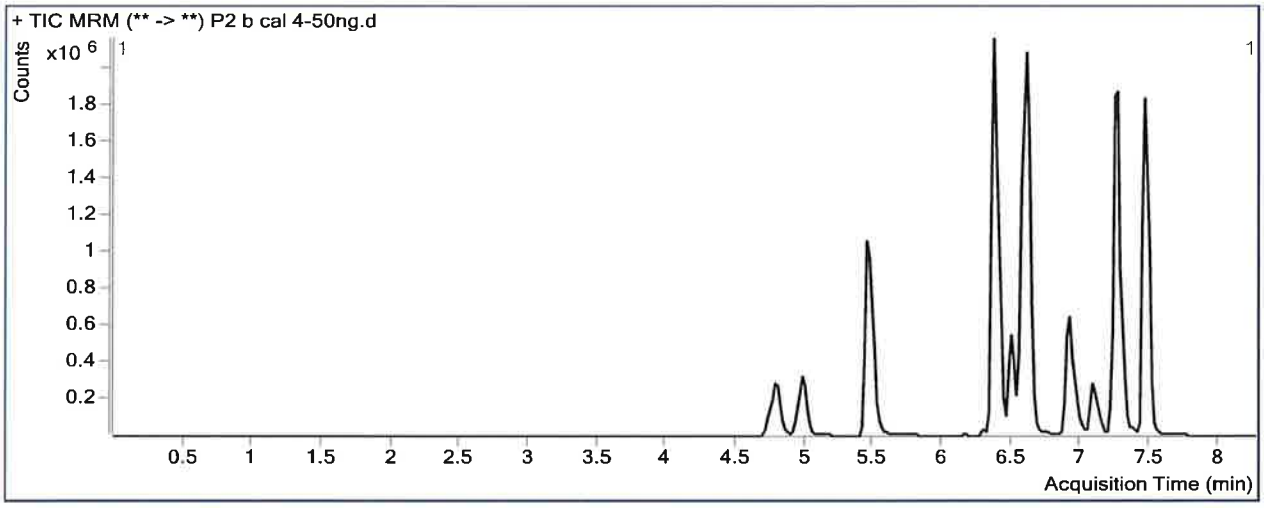
ISP FORENSICS - Pocatello Instrument # 59740
Multi-Drug Confirmatory Analysis Report

Batch Data Path	C:\MassHunter\Data\2018\MD Quant\061818 MDQ P1 and P2 TS\QuantResults\p2b MDQ 61818 final.batch.bir		
Analysis Time	6/22/2018 1:41 PM	**Analyst Name**	ISPUser
Report Time	6/22/2018 1:41 PM	**Reporter Name**	ISPUser
Last Calib Update	6/22/2018 1:41 PM	**Batch State**	Processed

Analysis Info

Acq Time	2018-06-18 17:30	**Data File**	P2 b cal 4-50ng.d
Sample Type	Calibration	**Sample Name**	P2 b cal 4-50ng.d
Dilution	1	**Acq Method**	MDQ Panel 2b 06-18-18.m
Position	P1-D5	**Sample Info**	
Inj Vol	-1	**Comment**	AM 28-Panel 2

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Flunitrazepam	Flunitrazepam-D7	7.456	2041585	493860	4.1339	44.9081

15

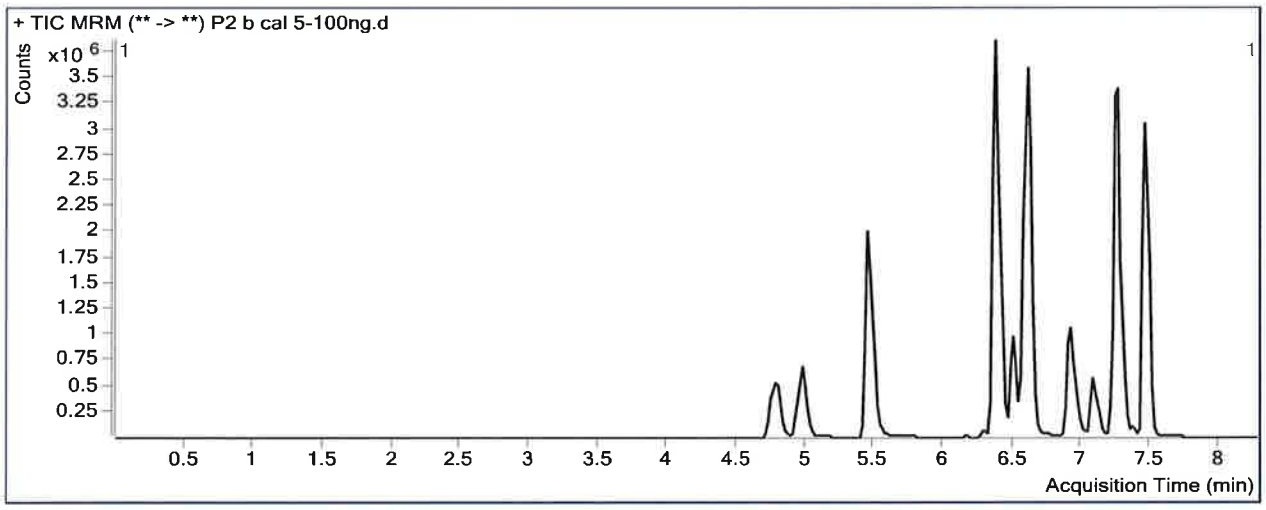
ISP FORENSICS - Pocatello Instrument # 59740
Multi-Drug Confirmatory Analysis Report

Batch Data Path	C:\MassHunter\Data\2018\MD Quant\061818 MDQ P1 and P2 TS\QuantResults\p2b MDQ 61818 final.batch.bir		
Analysis Time	6/22/2018 1:41 PM	**Analyst Name**	ISPUser
Report Time	6/22/2018 1:41 PM	**Reporter Name**	ISPUser
Last Calib Update	6/22/2018 1:41 PM	**Batch State**	Processed

Analysis Info

Acq Time	2018-06-18 17:56	**Data File**	P2 b cal 5-100ng.d
Sample Type	Calibration	**Sample Name**	P2 b cal 5-100ng.d
Dilution	1	**Acq Method**	MDQ Panel 2b 06-18-18.m
Position	P1-E5	**Sample Info**	
Inj Vol	-1	**Comment**	AM 28-Panel 2

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Flunitrazepam	Flunitrazepam-D7	7.456	3820115	462578	8.2583	87.2755

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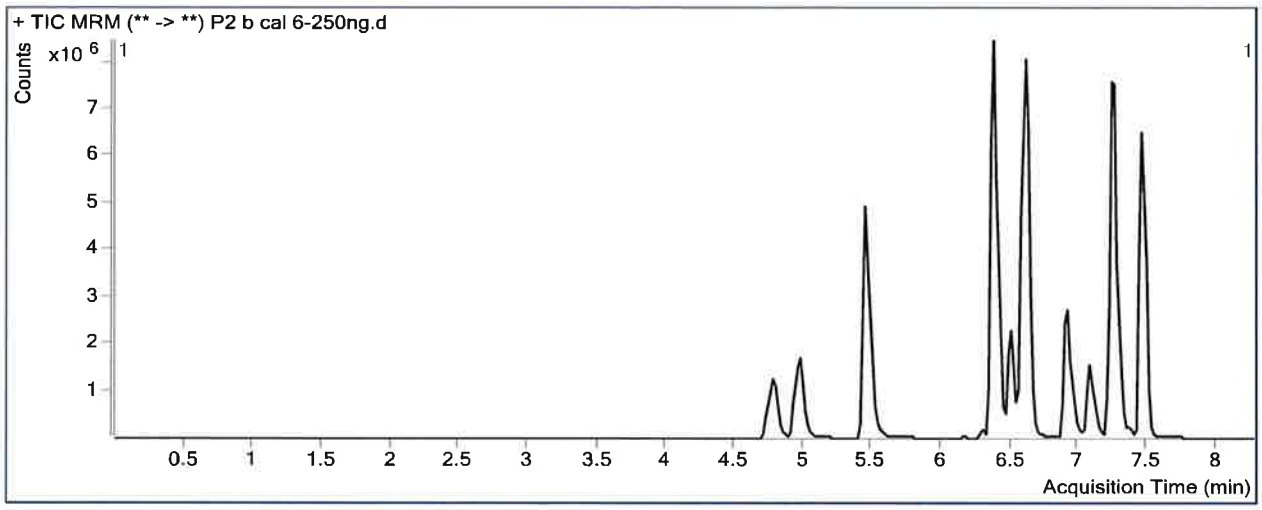
ISP FORENSICS - Pocatello Instrument # 59740
Multi-Drug Confirmatory Analysis Report

Batch Data Path	C:\MassHunter\Data\2018\MD Quant\061818 MDQ P1 and P2 TS\QuantResults\p2b MDQ 61818 final.batch.bir		
Analysis Time	6/22/2018 1:41 PM	**Analyst Name**	ISPUser
Report Time	6/22/2018 1:41 PM	**Reporter Name**	ISPUser
Last Calib Update	6/22/2018 1:41 PM	**Batch State**	Processed

Analysis Info

Acq Time	2018-06-18 18:21	**Data File**	P2 b cal 6-250ng.d
Sample Type	Calibration	**Sample Name**	P2 b cal 6-250ng.d
Dilution	1	**Acq Method**	MDQ Panel 2b 06-18-18.m
Position	P1-F5	**Sample Info**	
Inj Vol	-1	**Comment**	AM 28-Panel 2

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Flunitrazepam	Flunitrazepam-D7	7.456	8470425	361629	23.4230	243.0537

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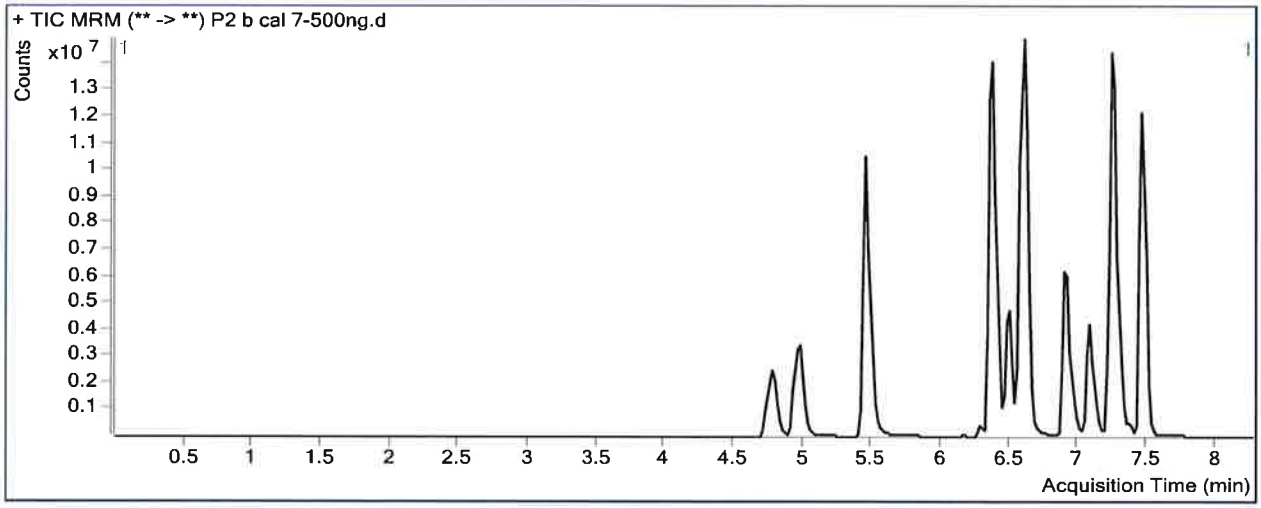
ISP FORENSICS - Pocatello Instrument # 59740
Multi-Drug Confirmatory Analysis Report

Batch Data Path	C:\MassHunter\Data\2018\MD Quant\061818 MDQ P1 and P2 TS\QuantResults\p2b MDQ 61818 final.batch.bir		
Analysis Time	6/22/2018 1:41 PM	**Analyst Name**	ISPUser
Report Time	6/22/2018 1:41 PM	**Reporter Name**	ISPUser
Last Calib Update	6/22/2018 1:41 PM	**Batch State**	Processed

Analysis Info

Acq Time	2018-06-18 18:47	**Data File**	P2 b cal 7-500ng.d
Sample Type	Calibration	**Sample Name**	P2 b cal 7-500ng.d
Dilution	1	**Acq Method**	MDQ Panel 2b 06-18-18.m
Position	P1-G5	**Sample Info**	
Inj Vol	-1	**Comment**	AM 28-Panel 2

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Flunitrazepam	Flunitrazepam-D7	7.456	13617776	292917	46.4902	480.0102

15

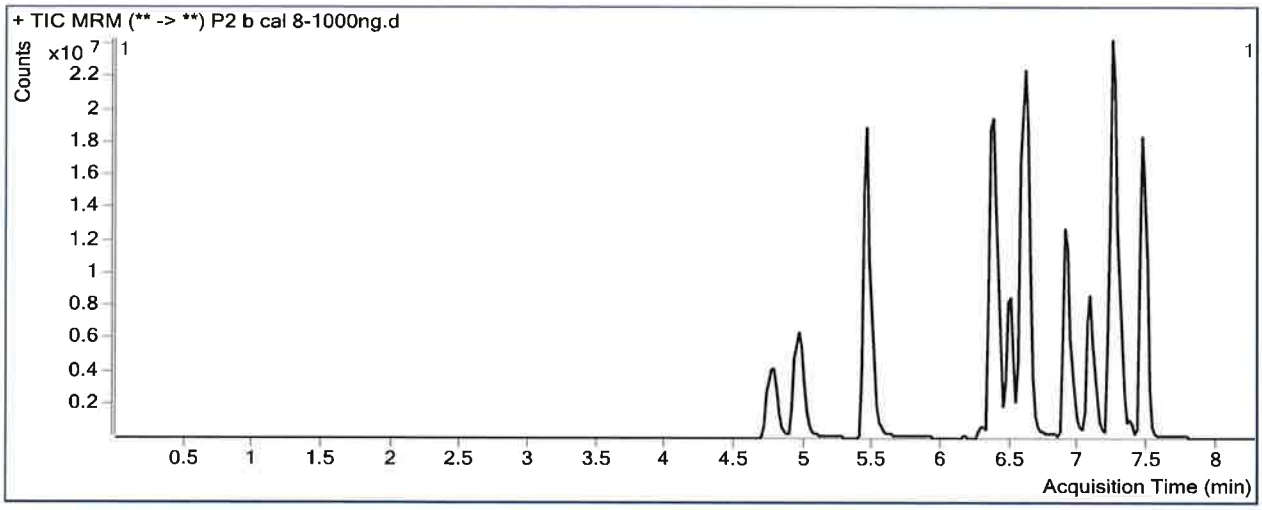
ISP FORENSICS - Pocatello Instrument # 59740
Multi-Drug Confirmatory Analysis Report

Batch Data Path	C:\MassHunter\Data\2018\MD Quant\061818 MDQ P1 and P2 TS\QuantResults\p2b MDQ 61818 final.batch.bir		
Analysis Time	6/22/2018 1:41 PM	**Analyst Name**	ISPUser
Report Time	6/22/2018 1:42 PM	**Reporter Name**	ISPUser
Last Calib Update	6/22/2018 1:41 PM	**Batch State**	Processed

Analysis Info

Acq Time	2018-06-18 19:12	**Data File**	P2 b cal 8-1000ng.d
Sample Type	Calibration	**Sample Name**	P2 b cal 8-1000ng.d
Dilution	1	**Acq Method**	MDQ Panel 2b 06-18-18.m
Position	P1-H5	**Sample Info**	
Inj Vol	-1	**Comment**	AM 28-Panel 2

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Flunitrazepam	Flunitrazepam-D7	7.456	19475088	192023	101.4207	1044.2817