REVIEWED
By Anne Nord at 2:49 pm, Nov 13, 2018

11/1/2018

Worklist: 2773

LAB_CASE	ITEM	TASK_ID	DESCRIPTION
P2018-2828	3	130925	AM 28 Blood Multi-Drug Quant Panel 2 by LC-Q(
P2018-2932	1	130926	AM 28 Blood Multi-Drug Quant Panel 2 by LC-Q(

P2018-2932-1 was extracted but not injected. Only P2b data was analyzed. Please note that daylight savings took place during this run. At 2:00 am on 11/4/18, the clock on the computer reset back one hour.

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

Extraction Date: 11/02/2018 Analyst: Celena Shrum
Plate lot#: 0530563 Plate Expiration: 05/21/2019

Mobile phase A: 5mM Amm Form + 0.01% FA
0.5M Ammonium Hydroxide
Blank Blood Lot: 445283-1
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: 16** 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\110218 MDQ P1 P2 CS*
Batch Name: *MDQ P2b 110218 CS*
☒ 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.

COMMENTS:
The only compounds evaluated were Flunitrazepam and Phencyclidine.

Idaho State Police Forensic Services

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

Analyst: Celena Shrum
Extraction Date: 11/02/2018
Worklist Number: 2773

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	445283-1		10/25/18		
Methanol External Control Solution	022018	02/20/19	02/20/18		
Blood External Control Solution	081518	~~02/15/19~~ 02/20/19 CS	08/15/18		
0.5M Ammonium Hydroxide	082818	02/28/19	08/28/18		
Formic Acid (LCMS Grade)	095180B		11/15/17		
Water (LCMS Grade)	182702		06/21/18		
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	082818		08/28/18		
5mM Ammonium Formate + 0.01% Formic Acid in Water (Mobile Phase A)	110218		~~11/08/18~~ 11/02/18 CS		
0.01% Formic Acid in Methanol (Mobile Phase B)	100918		10/09/18		
Needle Rinse--75% LCMS MeOH in LCMS Water	100918		10/09/18		

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: WS081518)

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		022018
Prepared:	08/15/18	
Prepared by:	Sarah Pickle	
Expires:	~~02/15/18~~ 02/20/19	

0.5M Ammonium Hydroxide (Lot: 082818)

Component	*Source*	*Source Lot Number*
Ammonium Hydroxide (ACS grade or better)	Fisher	053200
DI Water	-	-
Prepared:	*08/28/18*	
Prepared By:	Tamara Salazar	
Expires:	*02/28/18*	

20% LCMS Methanol in LCMS Water (Lot: 082818)

Component	*Source*	*Source Lot Number*
MeOH (LCMS Grade)	Fisher	177145
Water (LCMS Grade)	Fisher	182702
Prepared:	08/28/18	
Prepared By:	Tamara Salazar	

5mM Ammonium Formate + 0.01% Formic Acid in Water (Lot: ~~100918~~ 11/02/18)

Component	*Source*	*Source Lot Number*
Ammonium Formate	Arcos Organic	A0287238
LCMS Water	Fisher	182702
Formic Acid	Fisher	095180B
Prepared:	11/02/18	
Prepared By:	Celena Shrum	

0.01% Formic Acid in LCMS Methanol (Mobile Phase B) (Lot: 100918)

Component	*Source*	*Source Lot Number*
Formic Acid	Fisher	095180B
MeOH (LCMS Grade)	Fisher	177145
Prepared:	10/09/18	
Prepared By:	Tamara Salazar	

Needle Rinse (75% LCMS MeOH in LCMS Water) (Lot: 100918)

Component	*Source*	*Source Lot Number*
MeOH (LCMS Grade)	Fisher	177145
Water (LCMS Grade)	Fisher	182702
Prepared:	10/09/18	
Prepared By:	Sarah Pickle	

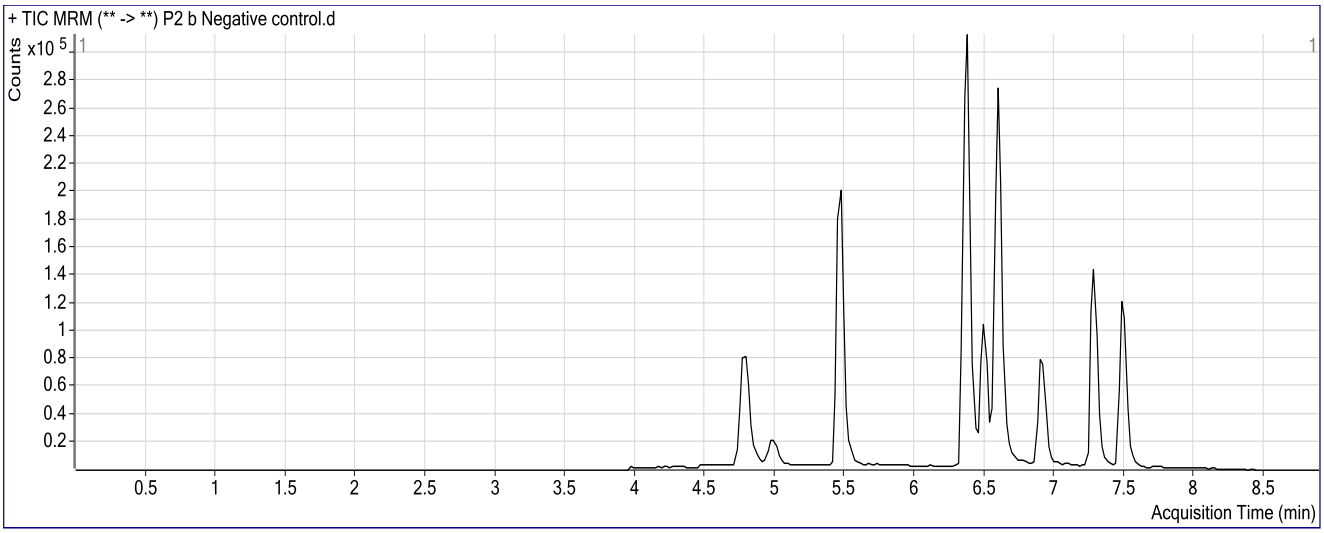
ISP FORENSICS - Pocatello Instrument # 59740
Multi-Drug Confirmatory Analysis Report

Batch Data Path	C:\MassHunter\Data\2018\MD Quant\110218 MDQ P1 P2 CS\QuantResults\MDQ P2b 110218 CS.b		
Analysis Time	11/8/2018 2:09 PM	**Analyst Name**	ISPUser
Report Time	11/9/2018 12:36 PM	**Reporter Name**	ISPUser
Last Calib Update	11/8/2018 2:09 PM	**Batch State**	Processed

Analysis Info

Acq Time	2018-11-03 22:09	**Data File**	P2 b Negative control.d
Sample Type	Sample	**Sample Name**	P2 b Negative control.d
Dilution	1	**Acq Method**	MDQ Panel 2b 06-22-18.m
Position	P1-E6	**Sample Info**	
Inj Vol	-1	**Comment**	AM 28-Panel 2

Sample Chromatogram



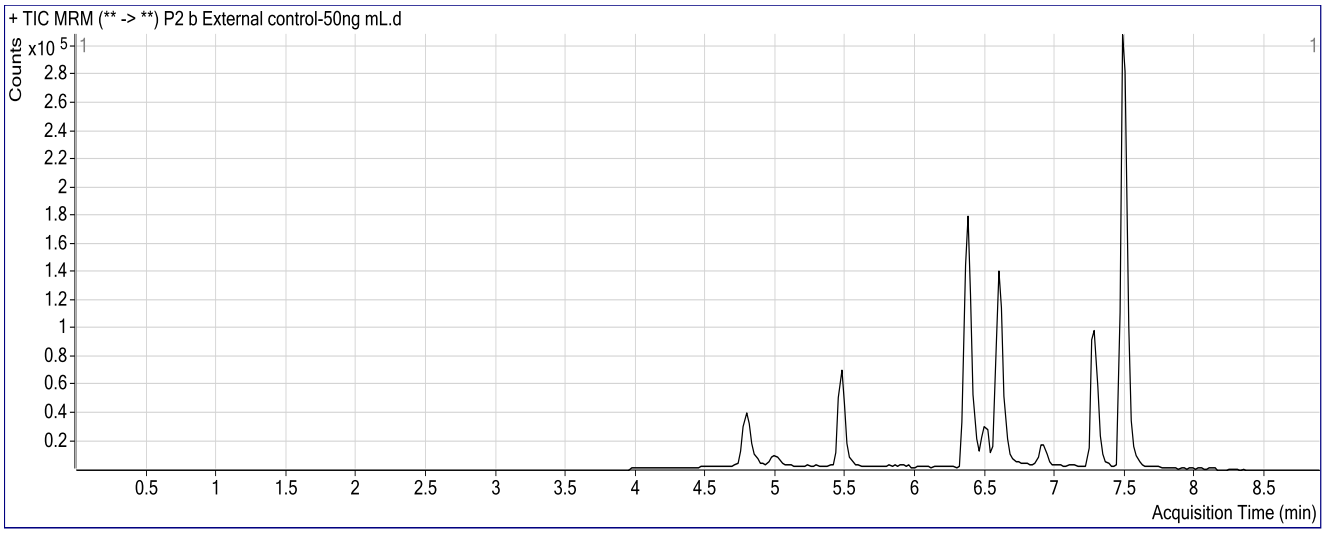
ISP FORENSICS - Pocatello Instrument # 59740
Multi-Drug Confirmatory Analysis Report

Batch Data Path	C:\MassHunter\Data\2018\MD Quant\110218 MDQ P1 P2 CS\QuantResults\MDQ P2b 110218 CS.batch.bin		
Analysis Time	11/8/2018 2:09 PM	**Analyst Name**	ISPUser
Report Time	11/9/2018 12:36 PM	**Reporter Name**	ISPUser
Last Calib Update	11/8/2018 2:09 PM	**Batch State**	Processed

Analysis Info

Acq Time	2018-11-03 22:35	**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 06-22-18.m
Position	P1-F6	**Sample Info**	
Inj Vol	-1	**Comment**	AM 28; 361331-1 + WS022018 50 ng flunitrazepam, zopiclone, chlorodia:

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Flunitrazepam	Flunitrazepam-D7	7.477	582640	121162	4.8088	54.1544

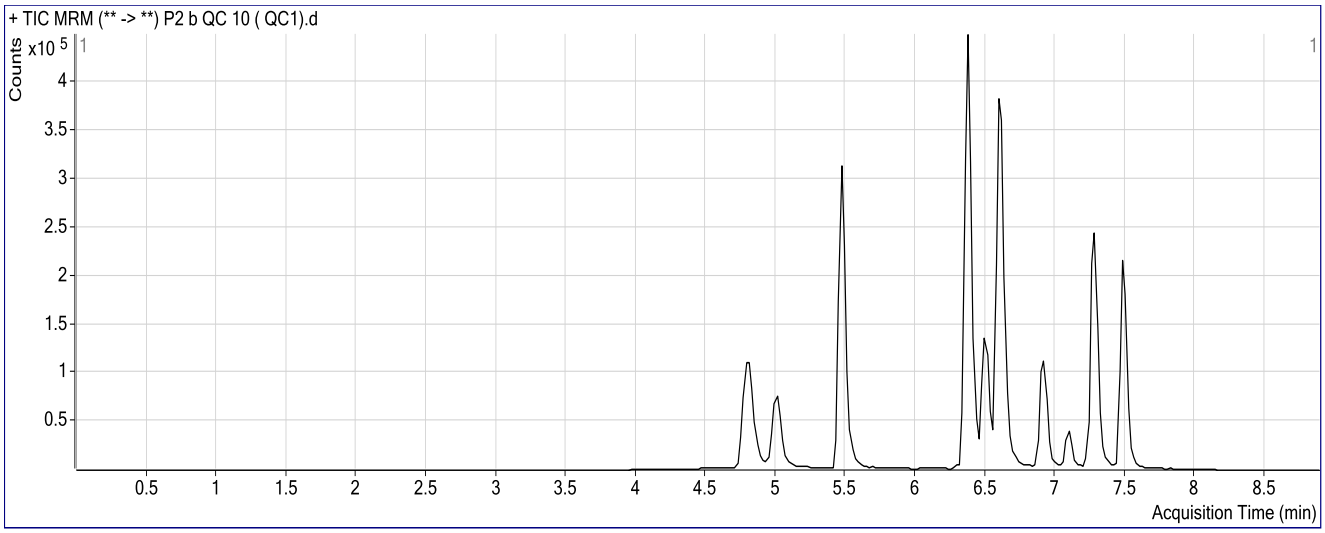
ISP FORENSICS - Pocatello Instrument # 59740
Multi-Drug Confirmatory Analysis Report

Batch Data Path	C:\MassHunter\Data\2018\MD Quant\110218 MDQ P1 P2 CS\QuantResults\MDQ P2b 110218 CS.batch.bin		
Analysis Time	11/8/2018 2:09 PM	**Analyst Name**	ISPUser
Report Time	11/9/2018 12:36 PM	**Reporter Name**	ISPUser
Last Calib Update	11/8/2018 2:09 PM	**Batch State**	Processed

Analysis Info

Acq Time	2018-11-03 23:26	**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 06-22-18.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
Phencyclidine	Phencydlidine-D5	6.927	70855	318794	0.2223	9.3827
Flunitrazepam	Flunitrazepam-D7	7.497	124424	170453	0.7300	9.0595

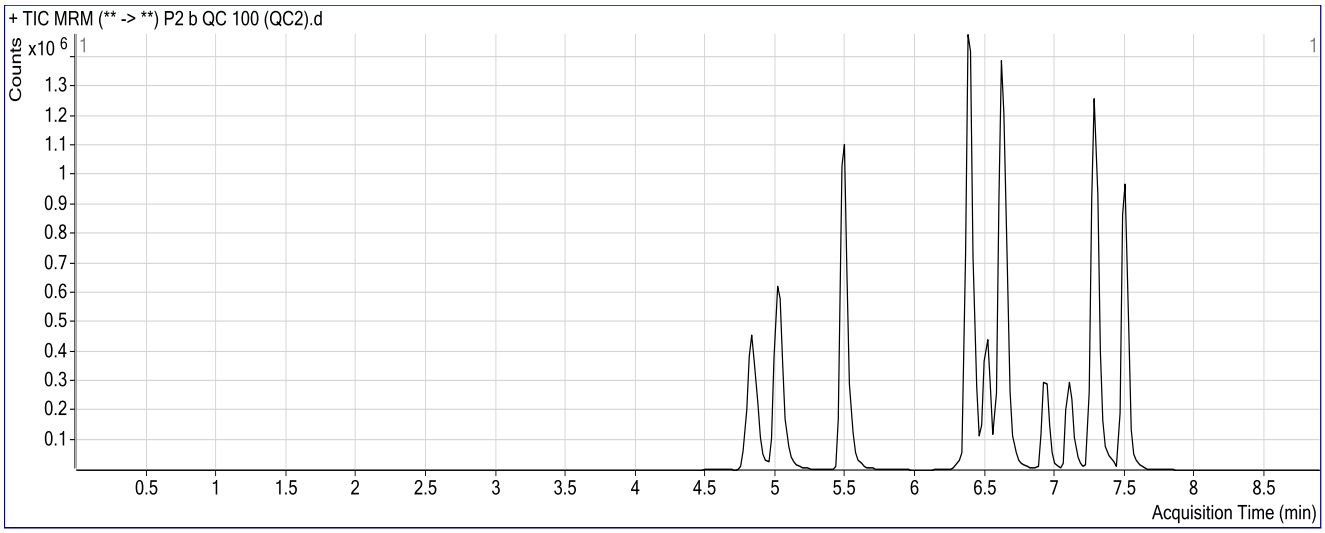
ISP FORENSICS - Pocatello Instrument # 59740
Multi-Drug Confirmatory Analysis Report

Batch Data Path	C:\MassHunter\Data\2018\MD Quant\110218 MDQ P1 P2 CS\QuantResults\MDQ P2b 110218 CS.batch.bin		
Analysis Time	11/8/2018 2:09 PM	**Analyst Name**	ISPUser
Report Time	11/9/2018 12:36 PM	**Reporter Name**	ISPUser
Last Calib Update	11/8/2018 2:09 PM	**Batch State**	Processed

Analysis Info

Acq Time	2018-11-04 00:17	**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 06-22-18.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
Phencyclidine	Phencydlidine-D5	6.947	613846	236069	2.6003	97.3720
Flunitrazepam	Flunitrazepam-D7	7.497	1383700	153598	9.0086	100.5869

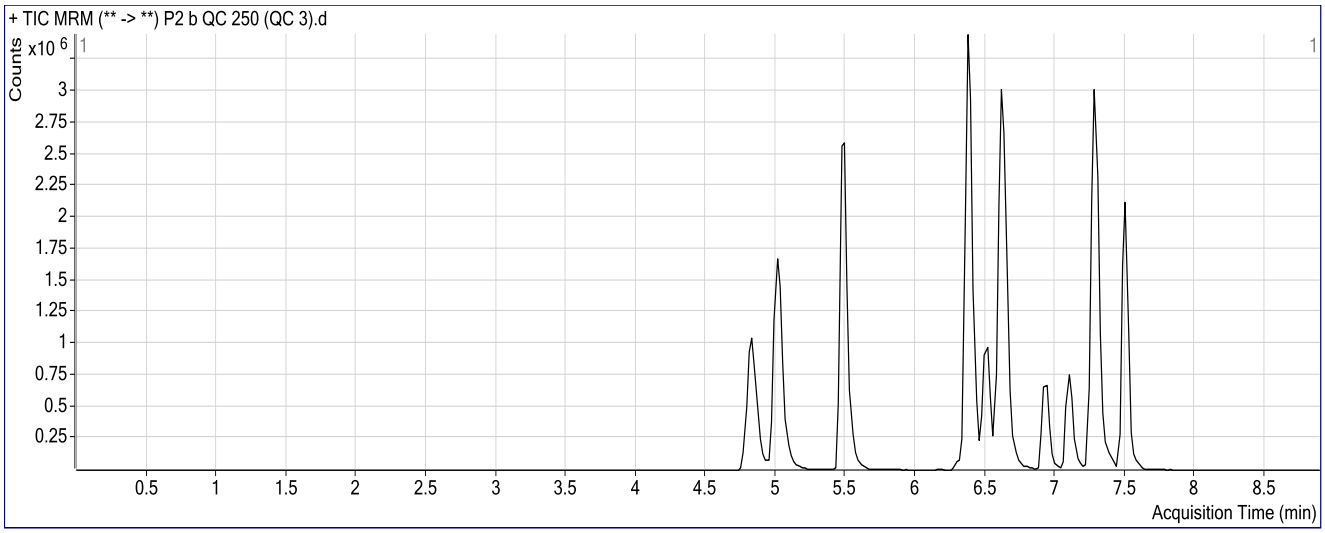
ISP FORENSICS - Pocatello Instrument # 59740
Multi-Drug Confirmatory Analysis Report

Batch Data Path	C:\MassHunter\Data\2018\MD Quant\110218 MDQ P1 P2 CS\QuantResults\MDQ P2b 110218 CS.batch.bin		
Analysis Time	11/8/2018 2:09 PM	**Analyst Name**	ISPUser
Report Time	11/9/2018 12:37 PM	**Reporter Name**	ISPUser
Last Calib Update	11/8/2018 2:09 PM	**Batch State**	Processed

Analysis Info

Acq Time	2018-11-04 01:33	**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 06-22-18.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
Phencyclidine	Phencydlidine-D5	6.947	1579333	233844	6.7538	251.0552
Flunitrazepam	Flunitrazepam-D7	7.497	3210403	131274	24.4557	271.3687

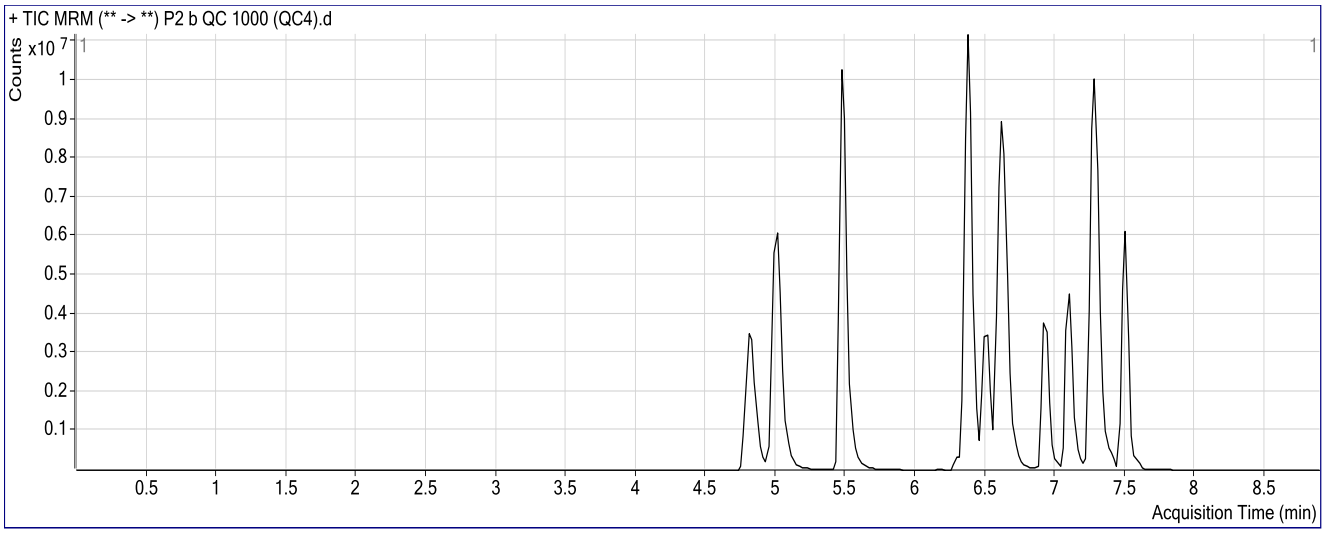
ISP FORENSICS - Pocatello Instrument # 59740
Multi-Drug Confirmatory Analysis Report

Batch Data Path	C:\MassHunter\Data\2018\MD Quant\110218 MDQ P1 P2 CS\QuantResults\MDQ P2b 110218 CS.batch.bin		
Analysis Time	11/8/2018 2:09 PM	**Analyst Name**	ISPUser
Report Time	11/9/2018 12:37 PM	**Reporter Name**	ISPUser
Last Calib Update	11/8/2018 2:09 PM	**Batch State**	Processed

Analysis Info

Acq Time	2018-11-04 01:49	**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 06-22-18.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
Phencyclidine	Phencydlidine-D5	6.927	9178154	298889	30.7076	1137.3707
Flunitrazepam	Flunitrazepam-D7	7.497	6787873	65704	103.3103	1143.1756

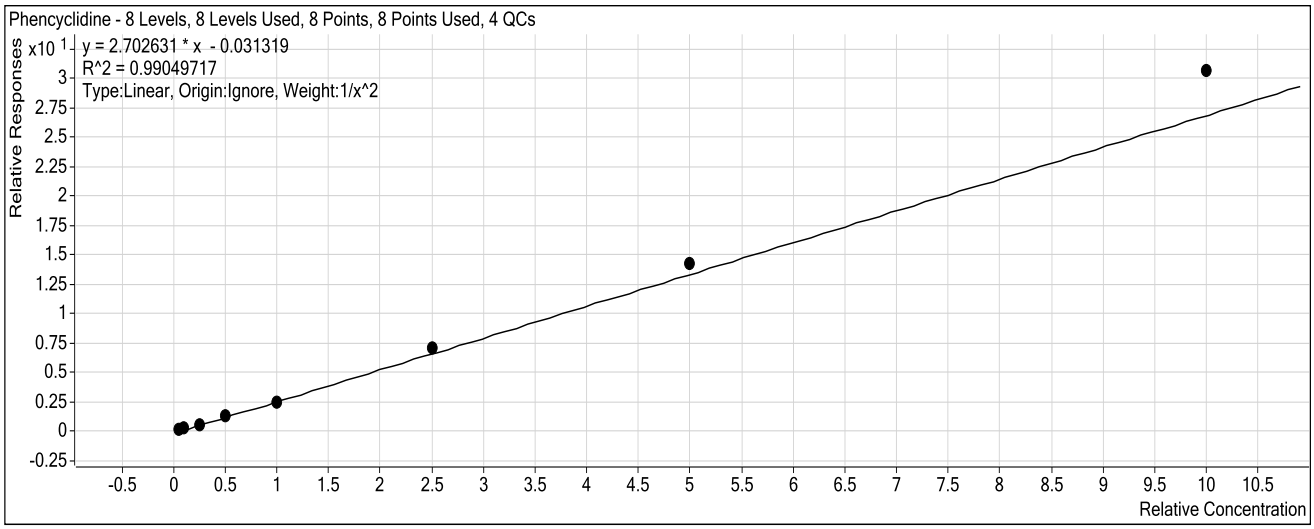
ISP Forensics
Calibration Curve Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\110218 MDQ P1 P2 CS\QuantResults\MDQ P2b 110218 CS.batch.bin

Last Calib Update 11/8/2018 2:09 PM **Analyst Name** ISP TOX

Target Compound *Phencyclidine*

Internal Standard *Phencydlidine-D5*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
P2 b cal 1-5ng.d	1	☑	5	5.3	105.7
P2 b cal 2-10ng.d	2	☑	10	9.4	94.3
P2 b QC 10 (QC1).d	2	☑	10	9.4	93.8
P2 b cal 3-25ng.d	3	☑	25	22.5	89.9
P2 b cal 4-50ng.d	4	☑	50	46.5	93.1
P2 b cal 5-100ng.d	5	☑	100	93.0	93.0
P2 b QC 100 (QC2).d	5	☑	100	97.4	97.4
P2 b cal 6-250ng.d	6	☑	250	261.2	104.5
P2 b QC 250 (QC 3).d	6	☑	250	251.1	100.4
P2 b cal 7-500ng.d	7	☑	500	529.1	105.8
P2 b cal 8-1000ng.d	8	☑	1000	1137.4	113.7
P2 b QC 1000 (QC4).d	8	☑	1000	1137.4	113.7

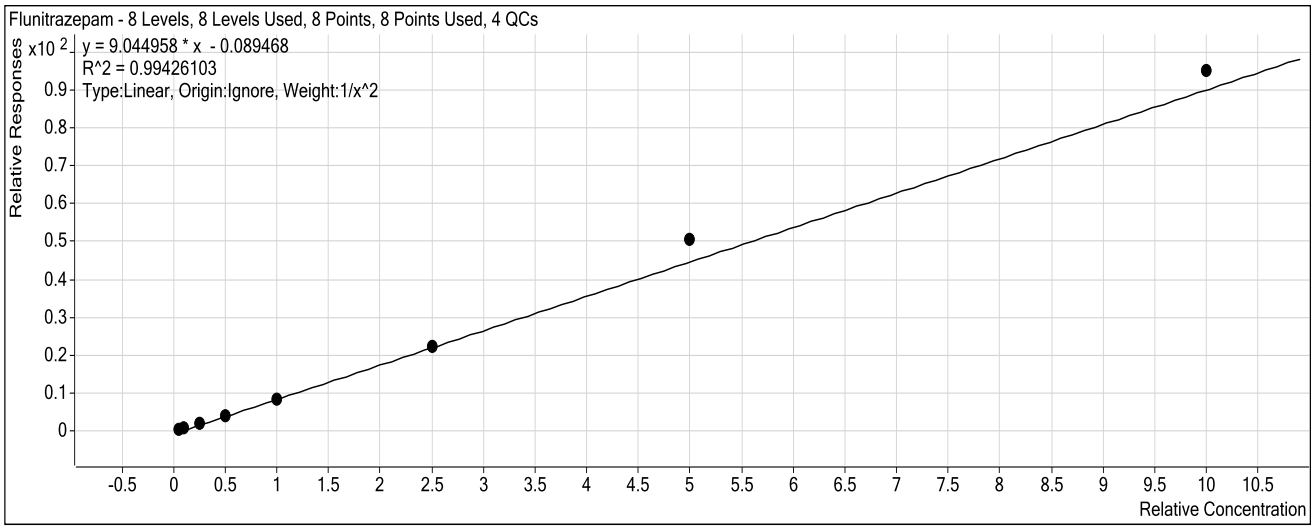
ISP Forensics
Calibration Curve Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\110218 MDQ P1 P2 CS\QuantResults\MDQ P2b 110218 CS.batch.bin

Last Calib Update 11/8/2018 2:09 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	5.2	103.3
P2 b cal 2-10ng.d	2	☑	10	9.7	97.4
P2 b QC 10 (QC1).d	2	☑	10	9.1	90.6
P2 b cal 3-25ng.d	3	☑	25	23.5	94.2
P2 b cal 4-50ng.d	4	☑	50	46.5	93.0
P2 b cal 5-100ng.d	5	☑	100	95.3	95.3
P2 b QC 100 (QC2).d	5	☑	100	100.6	100.6
P2 b cal 6-250ng.d	6	☑	250	247.9	99.2
P2 b QC 250 (QC 3).d	6	☑	250	271.4	108.5
P2 b cal 7-500ng.d	7	☑	500	561.7	112.3
P2 b cal 8-1000ng.d	8	☑	1000	1053.7	105.4
P2 b QC 1000 (QC4).d	8	☑	1000	1143.2	114.3

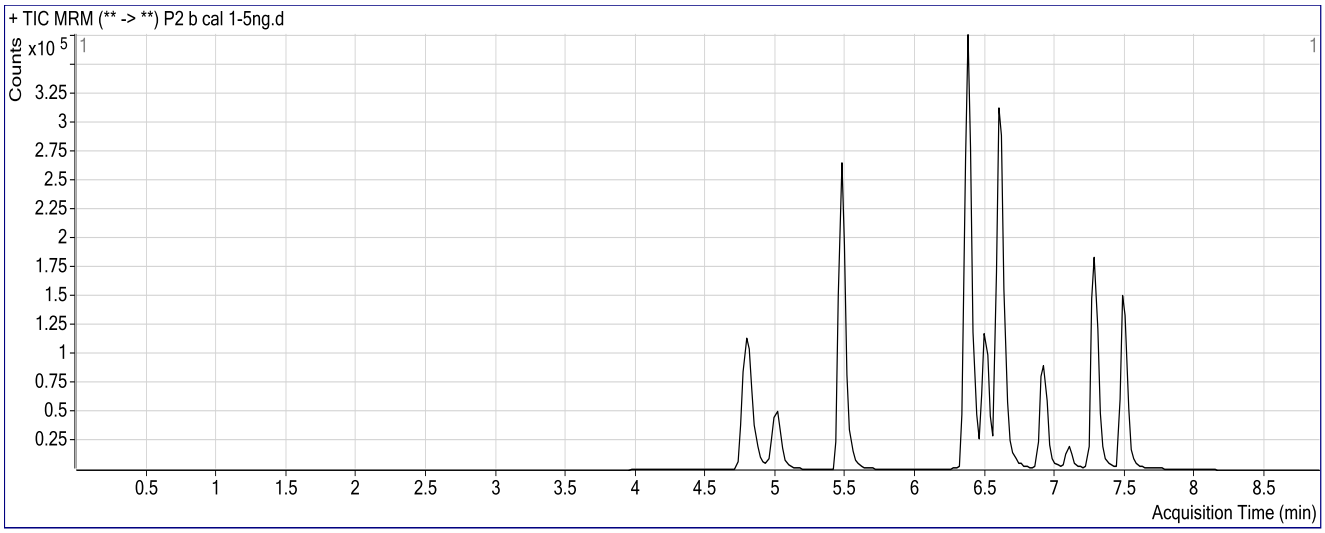
ISP FORENSICS - Pocatello Instrument # 59740
Multi-Drug Confirmatory Analysis Report

Batch Data Path	C:\MassHunter\Data\2018\MD Quant\110218 MDQ P1 P2 CS\QuantResults\MDQ P2b 110218 CS.batch.bin		
Analysis Time	11/8/2018 2:09 PM	**Analyst Name**	ISPUser
Report Time	11/9/2018 12:35 PM	**Reporter Name**	ISPUser
Last Calib Update	11/8/2018 2:09 PM	**Batch State**	Processed

Analysis Info

Acq Time	2018-11-03 18:19	**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 06-22-18.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
Phencyclidine	Phencydlidine-D5	6.927	32951	295590	0.1115	5.2835
Flunitrazepam	Flunitrazepam-D7	7.497	58982	156238	0.3775	5.1629

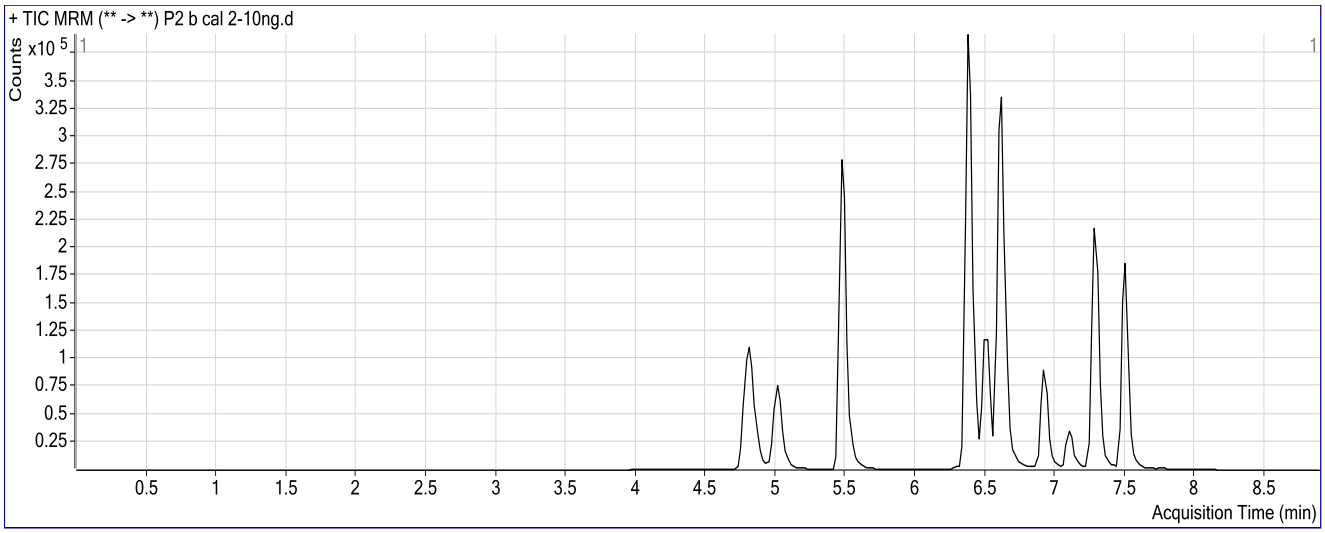
ISP FORENSICS - Pocatello Instrument # 59740
Multi-Drug Confirmatory Analysis Report

Batch Data Path	C:\MassHunter\Data\2018\MD Quant\110218 MDQ P1 P2 CS\QuantResults\MDQ P2b 110218 CS.batch.bin		
Analysis Time	11/8/2018 2:09 PM	**Analyst Name**	ISPUser
Report Time	11/9/2018 12:35 PM	**Reporter Name**	ISPUser
Last Calib Update	11/8/2018 2:09 PM	**Batch State**	Processed

Analysis Info

Acq Time	2018-11-03 18:45	**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 06-22-18.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
Phencyclidine	Phencydlidine-D5	6.947	54172	242197	0.2237	9.4348
Flunitrazepam	Flunitrazepam-D7	7.497	113445	143290	0.7917	9.7423

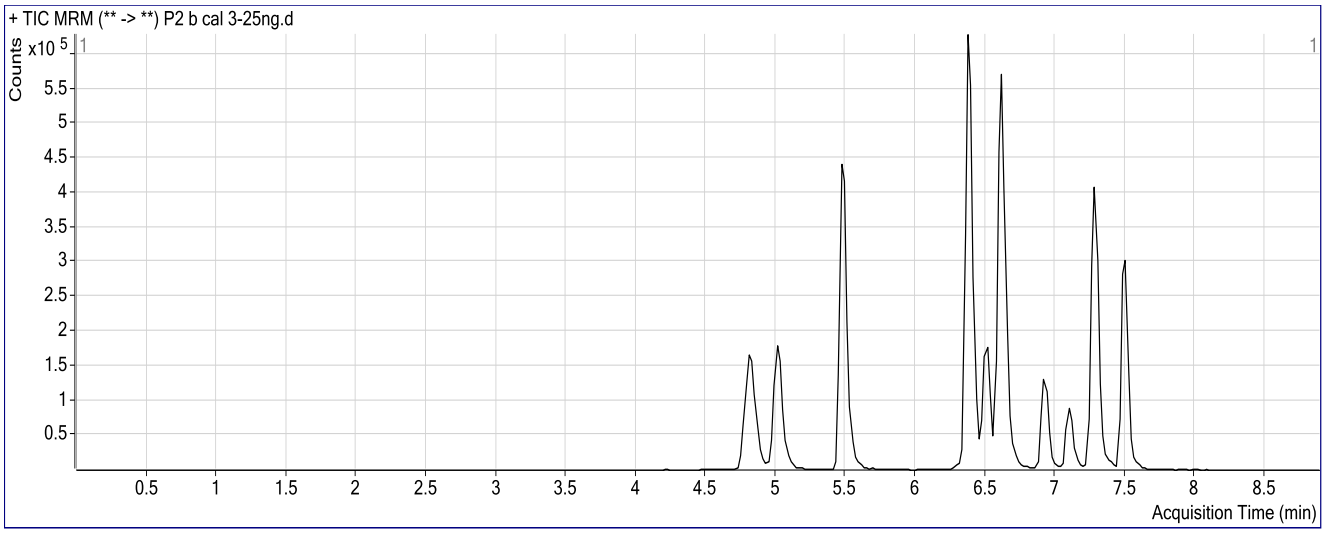
ISP FORENSICS - Pocatello Instrument # 59740
Multi-Drug Confirmatory Analysis Report

Batch Data Path	C:\MassHunter\Data\2018\MD Quant\110218 MDQ P1 P2 CS\QuantResults\MDQ P2b 110218 CS.batch.bin		
Analysis Time	11/8/2018 2:09 PM	**Analyst Name**	ISPUser
Report Time	11/9/2018 12:36 PM	**Reporter Name**	ISPUser
Last Calib Update	11/8/2018 2:09 PM	**Batch State**	Processed

Analysis Info

Acq Time	2018-11-03 19:10	**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 06-22-18.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
Phencyclidine	Phencydlidine-D5	6.947	152319	264307	0.5763	22.4823
Flunitrazepam	Flunitrazepam-D7	7.497	336612	164994	2.0402	23.5448

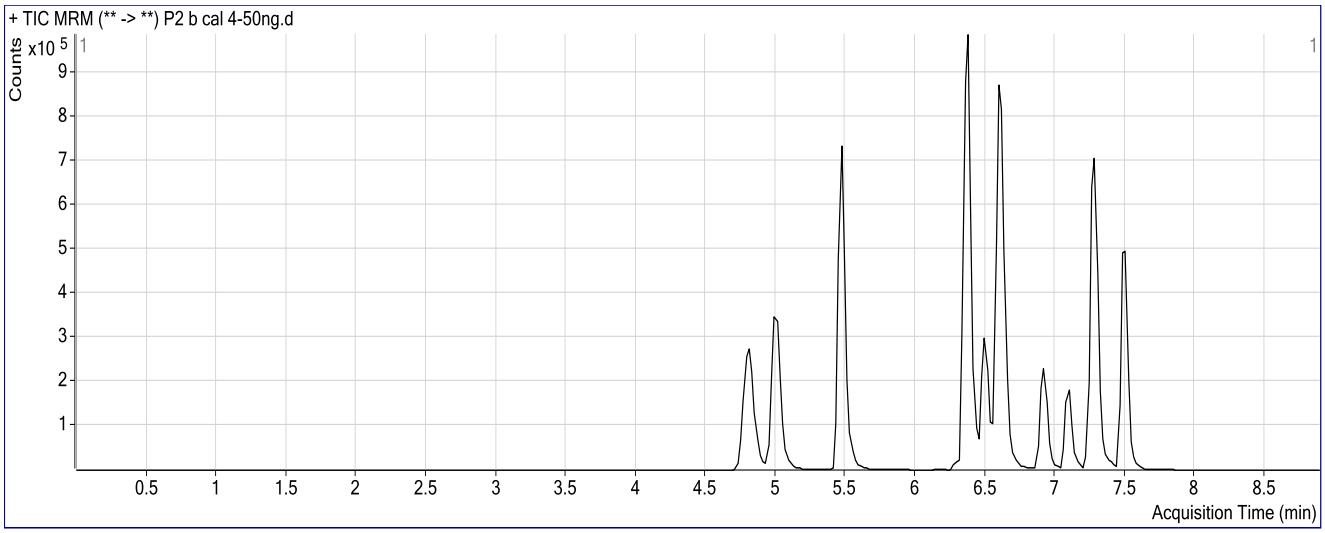
ISP FORENSICS - Pocatello Instrument # 59740
Multi-Drug Confirmatory Analysis Report

Batch Data Path	C:\MassHunter\Data\2018\MD Quant\110218 MDQ P1 P2 CS\QuantResults\MDQ P2b 110218 CS.batch.bin		
Analysis Time	11/8/2018 2:09 PM	**Analyst Name**	ISPUser
Report Time	11/9/2018 12:36 PM	**Reporter Name**	ISPUser
Last Calib Update	11/8/2018 2:09 PM	**Batch State**	Processed

Analysis Info

Acq Time	2018-11-03 19:36	**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 06-22-18.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
Phencyclidine	Phencydlidine-D5	6.927	372738	304007	1.2261	46.5251
Flunitrazepam	Flunitrazepam-D7	7.497	664119	161414	4.1144	46.4772

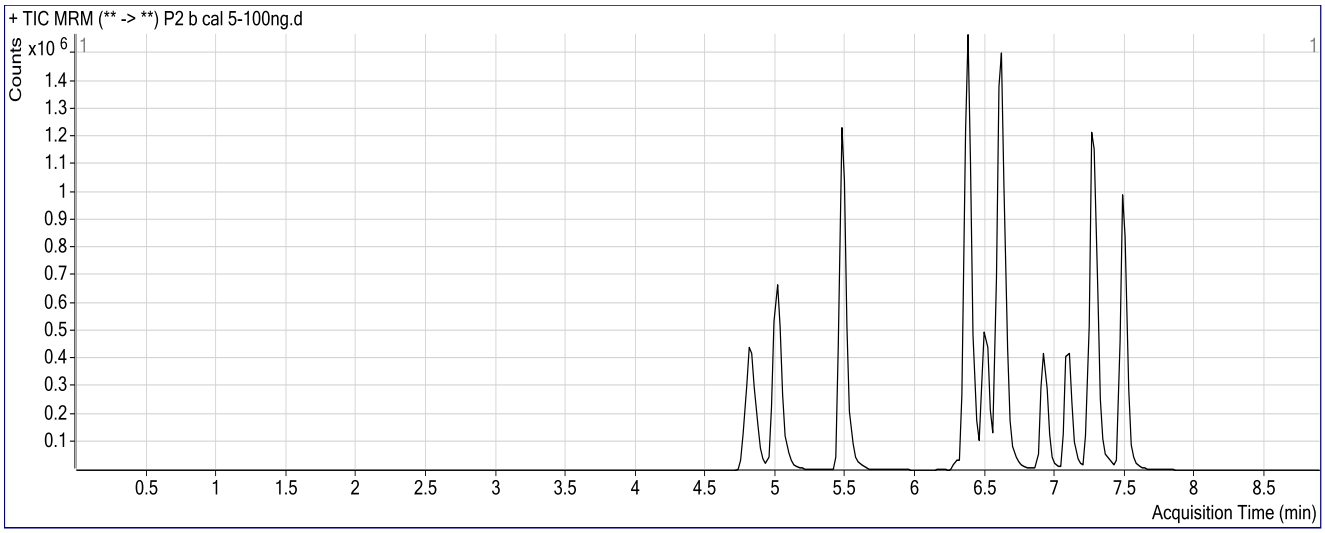
ISP FORENSICS - Pocatello Instrument # 59740
Multi-Drug Confirmatory Analysis Report

Batch Data Path	C:\MassHunter\Data\2018\MD Quant\110218 MDQ P1 P2 CS\QuantResults\MDQ P2b 110218 CS.batch.bin		
Analysis Time	11/8/2018 2:09 PM	**Analyst Name**	ISPUser
Report Time	11/9/2018 12:36 PM	**Reporter Name**	ISPUser
Last Calib Update	11/8/2018 2:09 PM	**Batch State**	Processed

Analysis Info

Acq Time	2018-11-03 20:01	**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 06-22-18.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
Phencyclidine	Phencydlidine-D5	6.927	800640	322681	2.4812	92.9661
Flunitrazepam	Flunitrazepam-D7	7.477	1200780	140738	8.5321	95.3185

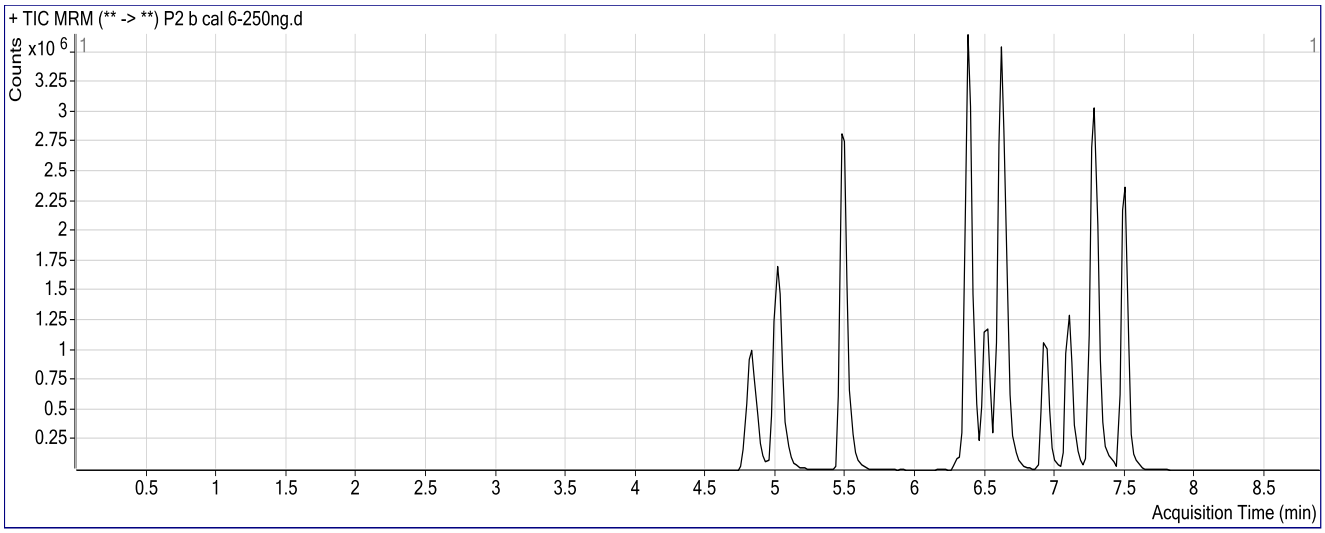
ISP FORENSICS - Pocatello Instrument # 59740
Multi-Drug Confirmatory Analysis Report

Batch Data Path	C:\MassHunter\Data\2018\MD Quant\110218 MDQ P1 P2 CS\QuantResults\MDQ P2b 110218 CS.batch.bin		
Analysis Time	11/8/2018 2:09 PM	**Analyst Name**	ISPUser
Report Time	11/9/2018 12:36 PM	**Reporter Name**	ISPUser
Last Calib Update	11/8/2018 2:09 PM	**Batch State**	Processed

Analysis Info

Acq Time	2018-11-03 20:27	**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 06-22-18.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
Phencyclidine	Phencydlidine-D5	6.927	2490623	354360	7.0285	261.2205
Flunitrazepam	Flunitrazepam-D7	7.497	2828557	126653	22.3331	247.9013

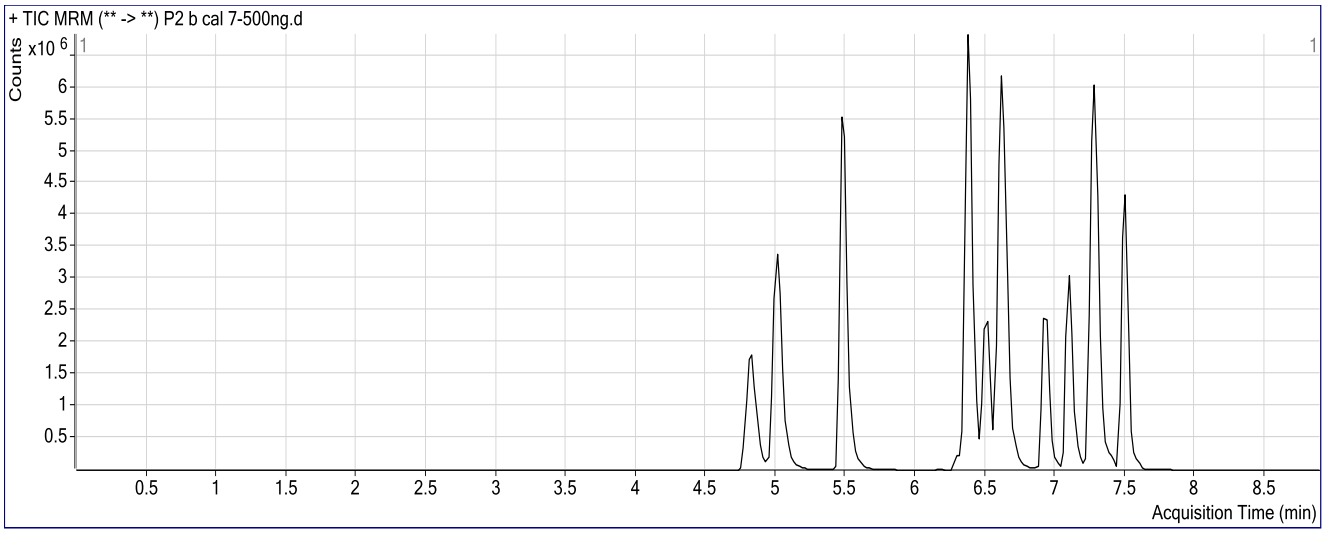
ISP FORENSICS - Pocatello Instrument # 59740
Multi-Drug Confirmatory Analysis Report

Batch Data Path	C:\MassHunter\Data\2018\MD Quant\110218 MDQ P1 P2 CS\QuantResults\MDQ P2b 110218 CS.batch.bin		
Analysis Time	11/8/2018 2:09 PM	**Analyst Name**	ISPUser
Report Time	11/9/2018 12:36 PM	**Reporter Name**	ISPUser
Last Calib Update	11/8/2018 2:09 PM	**Batch State**	Processed

Analysis Info

Acq Time	2018-11-03 20:53	**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 06-22-18.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
Phencyclidine	Phencydlidine-D5	6.927	5943604	416591	14.2672	529.0610
Flunitrazepam	Flunitrazepam-D7	7.497	4599576	90699	50.7126	561.6619

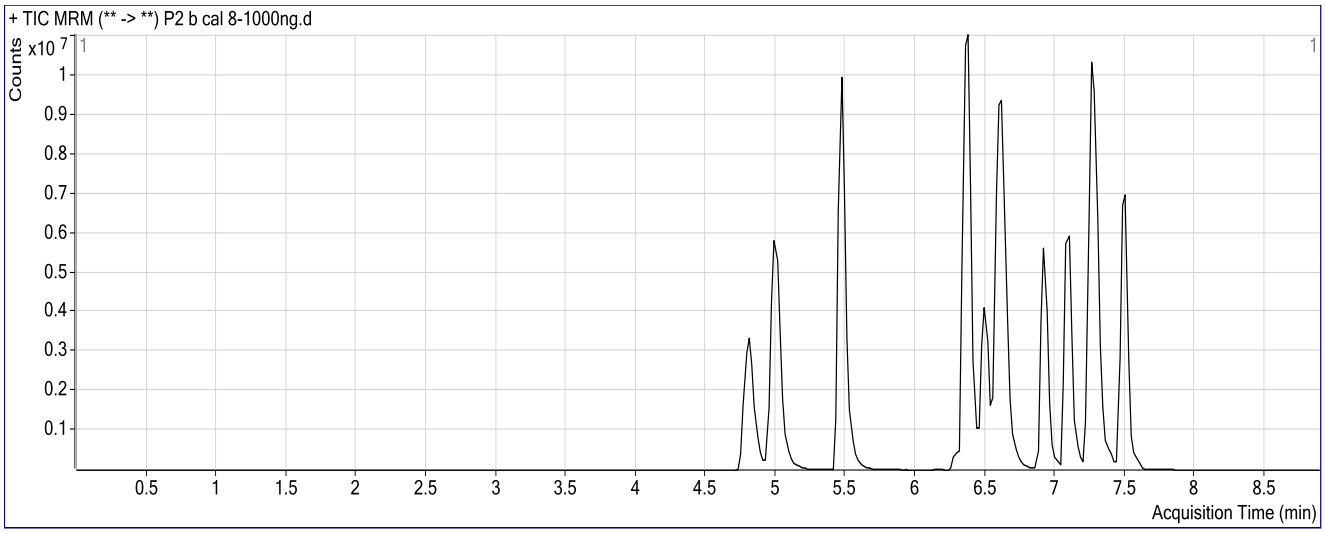
ISP FORENSICS - Pocatello Instrument # 59740
Multi-Drug Confirmatory Analysis Report

Batch Data Path	C:\MassHunter\Data\2018\MD Quant\110218 MDQ P1 P2 CS\QuantResults\MDQ P2b 110218 CS.batch.bin		
Analysis Time	11/8/2018 2:09 PM	**Analyst Name**	ISPUser
Report Time	11/9/2018 12:36 PM	**Reporter Name**	ISPUser
Last Calib Update	11/8/2018 2:09 PM	**Batch State**	Processed

Analysis Info

Acq Time	2018-11-03 21:18	**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 06-22-18.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
Phencyclidine	Phencydlidine-D5	6.927	12685672	413116	30.7073	1137.3599
Flunitrazepam	Flunitrazepam-D7	7.497	5740259	60284	95.2210	1053.7417