








Worklist: 2556

<u>LAB CASE</u>	<u>ITEM</u>	<u>TASK ID</u>	<u>DESCRIPTION</u>	
M2018-2858	1	120982	AM 28 Blood Multi-Drug Quant Panel 2 by LC-QC	
M2018-2859	1	120975	AM 28 Blood Multi-Drug Quant Panel 2 by LC-QC	
M2018-2960	1	120976	AM 28 Blood Multi-Drug Quant Panel 2 by LC-QC	
P2018-1668	1	120974	AM 28 Blood Multi-Drug Quant Panel 2 by LC-QC	
P2018-1757	1	120983	AM 28 Blood Multi-Drug Quant Panel 2 by LC-QC	
P2018-1772	1	120980	AM 28 Blood Multi-Drug Quant Panel 2 by LC-QC	
P2018-1789	1	120981	AM 28 Blood Multi-Drug Quant Panel 2 by LC-QC	

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

TS

Extraction Date: 07/12/18
Plate lot#: 0530563

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

Mobile phase A: 5mM Amm Form + 0.01% FA
0.5M Ammonium Hydroxide
Mobile phase B: 0.01% Formic Acid in MeOH
Ethyl Acetate 20% Methanol in Water
Blank Blood Lot: 361331-1
LCMS-QQQ ID: 59740
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\ 071118 MDQ P2 TS worklist 2556*
Batch Name: *071118 MDQ P2a TS_Final*
071118 MDQ P2b TS_Final
- 2. Make necessary changes to integration limits
- 3. Integration linear and R² 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:

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*Panel 2a evaluated for: Zopiclone
Amitriptyline
Nortriptyline
Chlordiazepoxide*

*Panel 2b evaluated for: Phenytoin
Flunitrazepam*



Idaho State Police Forensic Services

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

Analyst: Tamara Salazar
Extraction Date: 07/12/18
Worklist Number: 2556

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 181370	TS	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	071218	Make Fresh	07/12/18		
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	070518		07/05/18		

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		

TS

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

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 181370

TS

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~~)

061818

TS

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: ~~070518~~)

181370

TS

Component	Source	Source Lot Number
MeOH (LCMS Grade)	Fisher	177145
Water (LCMS Grade)	Fisher	177528
Prepared:	07/05/18	
Prepared By:	Tamara Salazar	

ISP FORENSICS - Pocatello Instrument # 59740

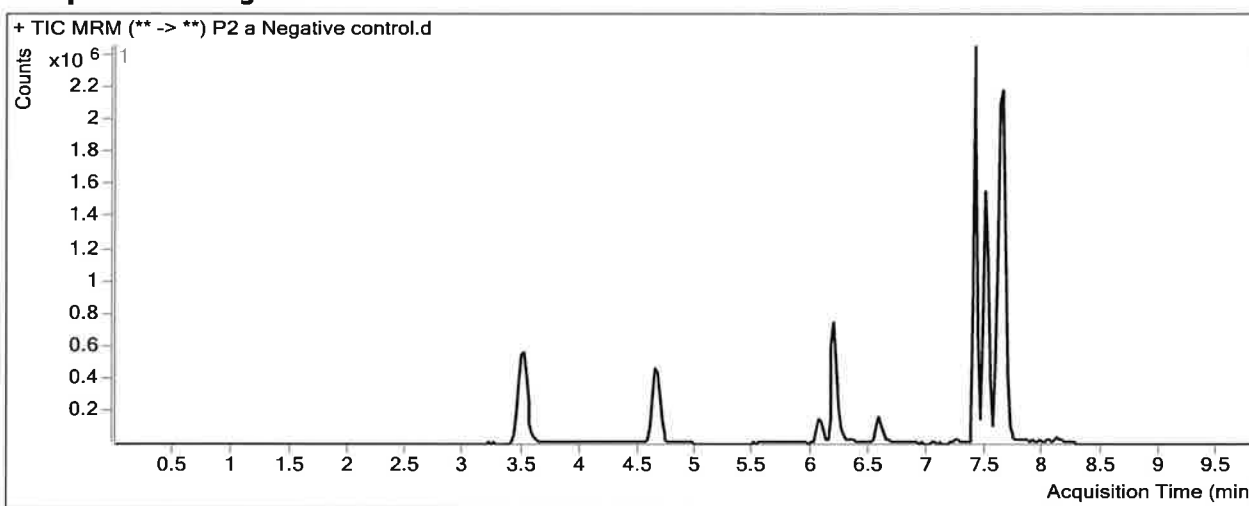
Multi-Drug Confirmatory Analysis Report

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Report Time	7/13/2018 6:52 AM	Reporter Name	ISPUser
Last Calib Update	7/13/2018 6:51 AM	Batch State	Processed

Analysis Info

Acq Time	2018-07-11 16:12	Data File	P2 a Negative control.d
Sample Type	Sample	Sample Name	P2 a Negative control.d
Dilution	1	Acq Method	MDQ Panel 2a 6-22-18.m
Position	P1-E6	Sample Info	
Inj Vol	-1	Comment	AM 28-Panel 2 worklist 2556

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Zopiclone	Zopiclone-D4	6.091	1819	602572	0.0030	1.0527 <i>LS TS</i>

AS

ISP FORENSICS - Pocatello Instrument # 59740

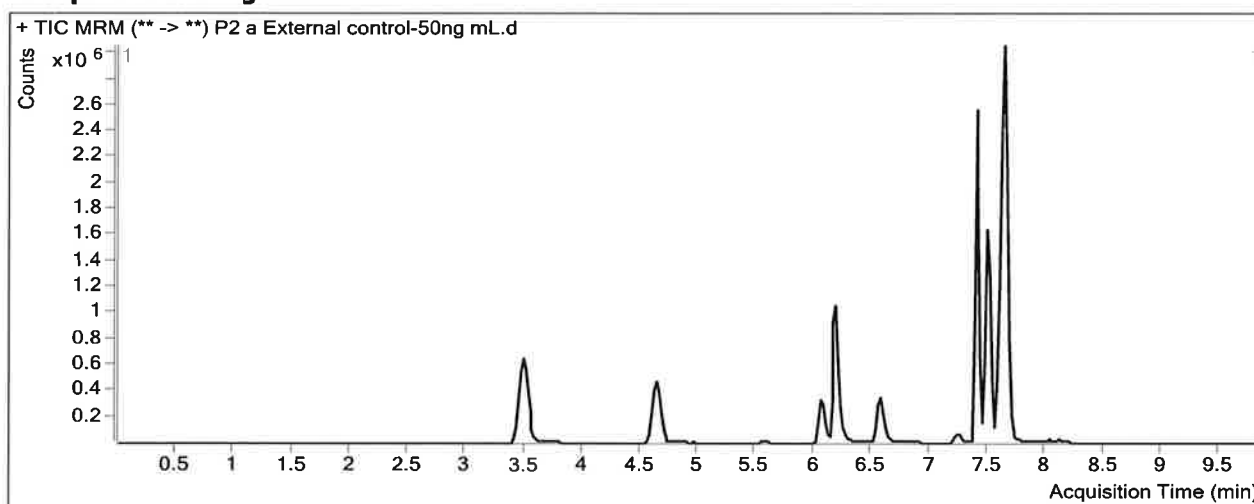
Multi-Drug Confirmatory Analysis Report

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Analysis Time 7/13/2018 6:51 AM **Analyst Name** ISPUser
Report Time 7/13/2018 6:52 AM **Reporter Name** ISPUser
Last Calib Update 7/13/2018 6:51 AM **Batch State** Processed

Analysis Info

Acq Time 2018-07-11 16:37 **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 6-22-18.m
Position P1-F6 **Sample Info**
Inj Vol -1 **Comment** AM 28; WS061218 50 ng flunitrazepam, zopiclone, chlordiazepoxide

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
<u>Zopiclone</u>	Zopiclone-D4	6.071	555125	520099	1.0673	<u>34.5298</u>
<u>Chlordiazepoxide</u>	Chlordiazepoxide-D5	7.627	1693323	4109319	0.4121	<u>44.6954</u>

TS

ISP FORENSICS - Pocatello Instrument # 59740

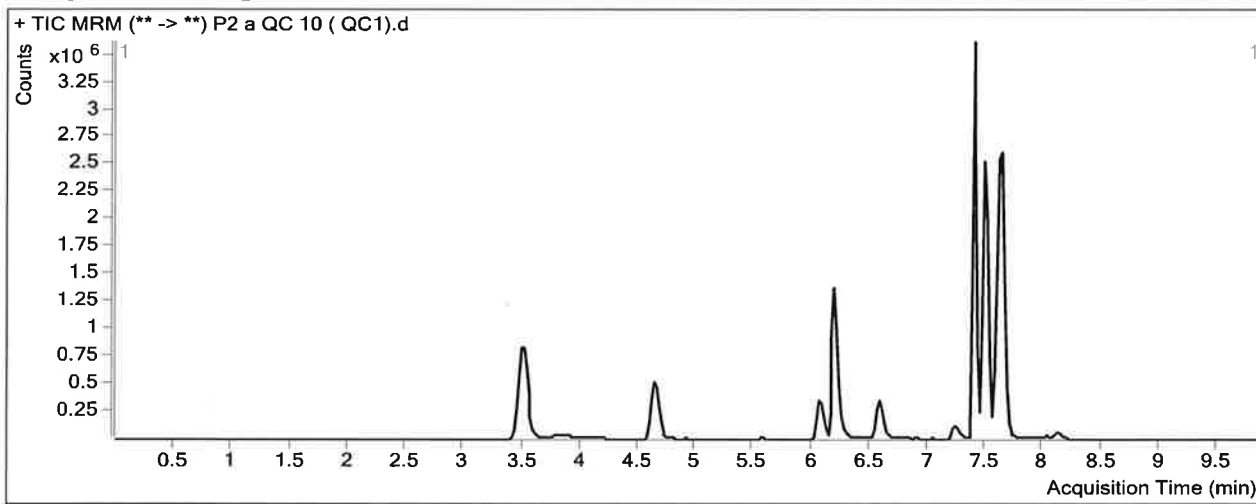
Multi-Drug Confirmatory Analysis Report

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Report Time 7/13/2018 6:52 AM **Reporter Name** ISPUser
Last Calib Update 7/13/2018 6:51 AM **Batch State** Processed

Analysis Info

Acq Time 2018-07-11 17:28 **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 6-22-18.m
Position P1-A6 **Sample Info**
Inj Vol -1 **Comment** AM 28-Panel 2 worklist 2556

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Zopiclone	Zopiclone-D4	6.071	275221	998302	0.2757	9.6292
Amitriptyline	Amitriptyline-D3	7.490	192499	424126	0.4539	7.8070
Nortriptyline	Nortriptyline-D3	7.514	74621	230411	0.3239	9.7875
Chlordiazepoxide	Chlordiazepoxide-D5	7.627	315863	4287479	0.0737	9.3051

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ISP FORENSICS - Pocatello Instrument # 59740

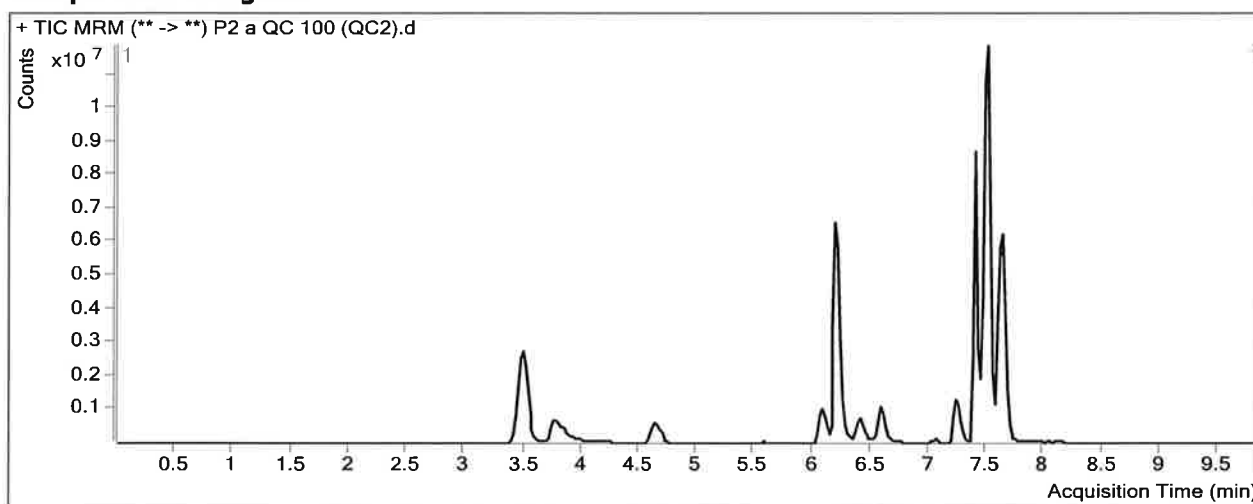
Multi-Drug Confirmatory Analysis Report

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Analysis Time 7/13/2018 6:51 AM **Analyst Name** ISPUser
Report Time 7/13/2018 6:52 AM **Reporter Name** ISPUser
Last Calib Update 7/13/2018 6:51 AM **Batch State** Processed

Analysis Info

Acq Time 2018-07-11 18:32 **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 6-22-18.m
Position P1-B6 **Sample Info**
Inj Vol -1 **Comment** AM 28-Panel 2 worklist 2556

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Zopiclone	Zopiclone-D4	6.071	2131421	673579	3.1643	100.4879
Amitriptyline	Amitriptyline-D3	7.490	6746337	1265029	5.3329	94.4295
Nortriptyline	Nortriptyline-D3	7.514	2553536	612885	4.1664	104.5497
Chlordiazepoxide	Chlordiazepoxide-D5	7.648	2976536	3465570	0.8589	91.4245

TS

ISP FORENSICS - Pocatello Instrument # 59740

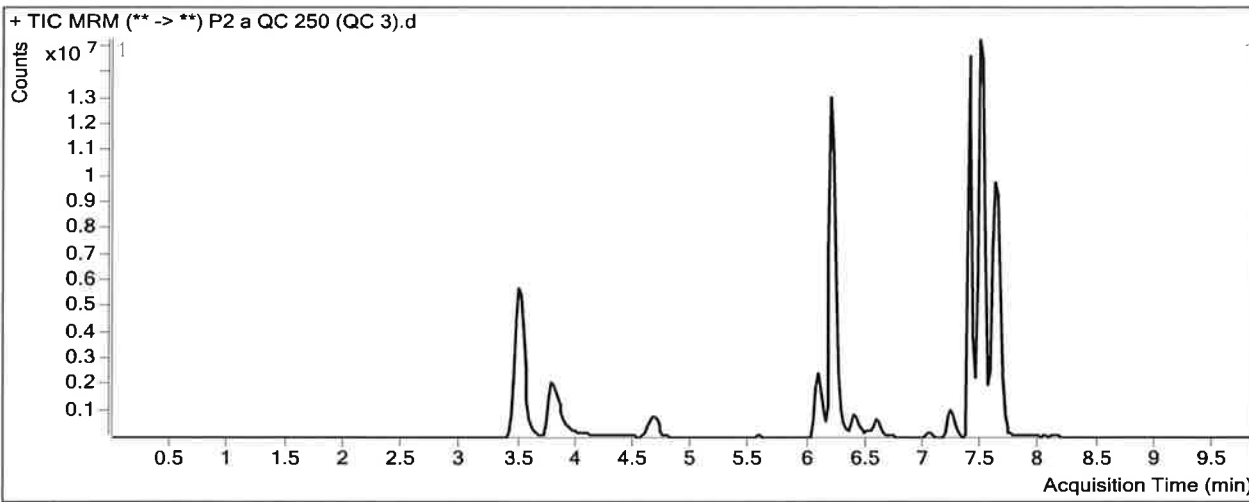
Multi-Drug Confirmatory Analysis Report

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Analysis Time 7/13/2018 6:51 AM **Analyst Name** ISPUser
Report Time 7/13/2018 6:52 AM **Reporter Name** ISPUser
Last Calib Update 7/13/2018 6:51 AM **Batch State** Processed

Analysis Info

Acq Time 2018-07-11 19:35 **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 6-22-18.m
Position P1-C6 **Sample Info**
Inj Vol -1 **Comment** AM 28-Panel 2 worklist 2556

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Zopiclone	Zopiclone-D4	6.071	5361956	681113	7.8723	248.5735
Amitriptyline	Amitriptyline-D3	7.490	5374758	368234	14.5960	258.8850
Nortriptyline	Nortriptyline-D3	7.514	2021196	196541	10.2839	255.4130
Chlordiazepoxide	Chlordiazepoxide-D5	7.627	6468814	2732863	2.3670	249.1506

TS

ISP FORENSICS - Pocatello Instrument # 59740

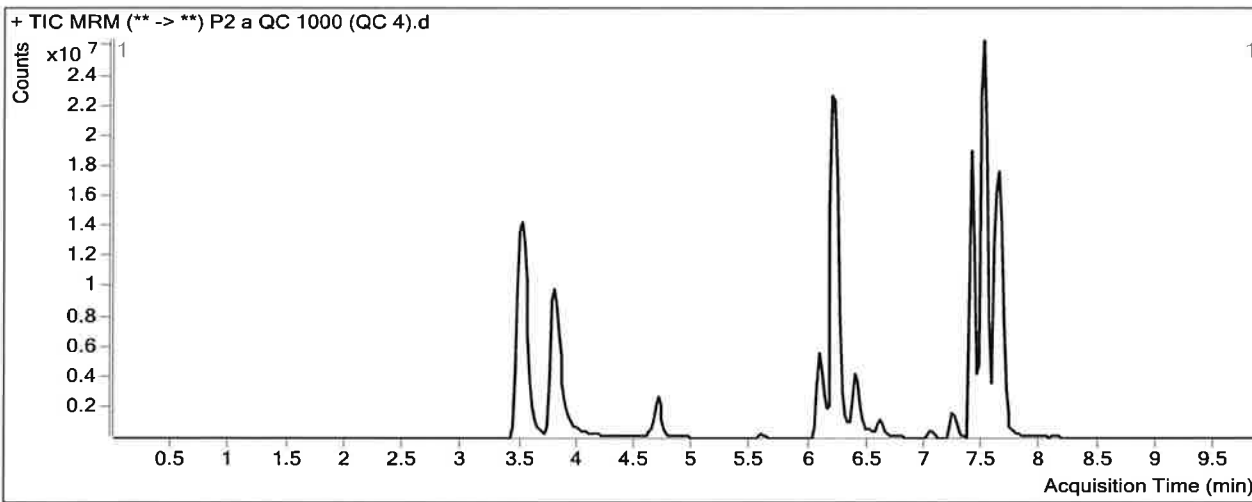
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\071118 MDQ P2 TS worklist 2556\QuantResults\071118 MDQ P2a TS_Fi
Analysis Time 7/13/2018 6:51 AM **Analyst Name** ISPUser
Report Time 7/13/2018 6:53 AM **Reporter Name** ISPUser
Last Calib Update 7/13/2018 6:51 AM **Batch State** Processed

Analysis Info

Acq Time 2018-07-11 20:39 **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 6-22-18.m
Position P1-D6 **Sample Info**
Inj Vol -1 **Comment** AM 28-Panel 2 worklist 2556

Sample Chromatogram



Results

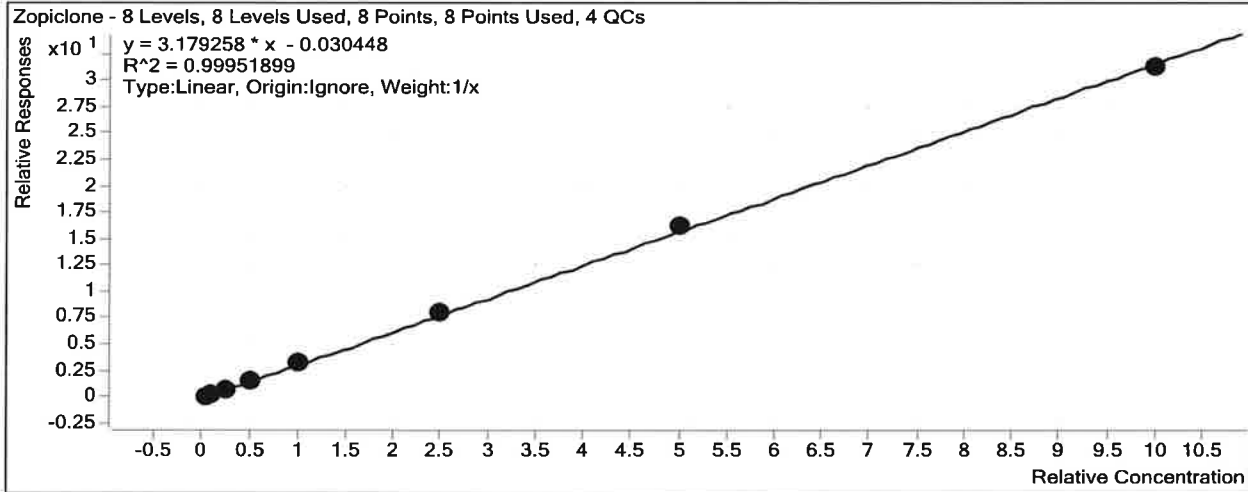
Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Zopiclone	Zopiclone-D4	6.071	11875159	373998	31.7519	999.6797
Amitriptyline	Amitriptyline-D3	7.490	5410832	106541	50.7865	901.4057
Nortriptyline	Nortriptyline-D3	7.534	1639334	38816	42.2332	1043.3218
Chlordiazepoxide	Chlordiazepoxide-D5	7.648	14184648	1320480	10.7420	1125.0235

ISP Forensics Calibration Curve Report

B

Batch Data Path C:\MassHunter\Data\2018\MD Quant\071118 MDQ P2 TS worklist 2556\QuantResults\071118 MDQ P2a TS_Final.batch.bin
Last Calib Update 7/13/2018 6:51 AM **Analyst Name** ISP TOX

Target Compound Zopiclone
Internal Standard Zopiclone-D4



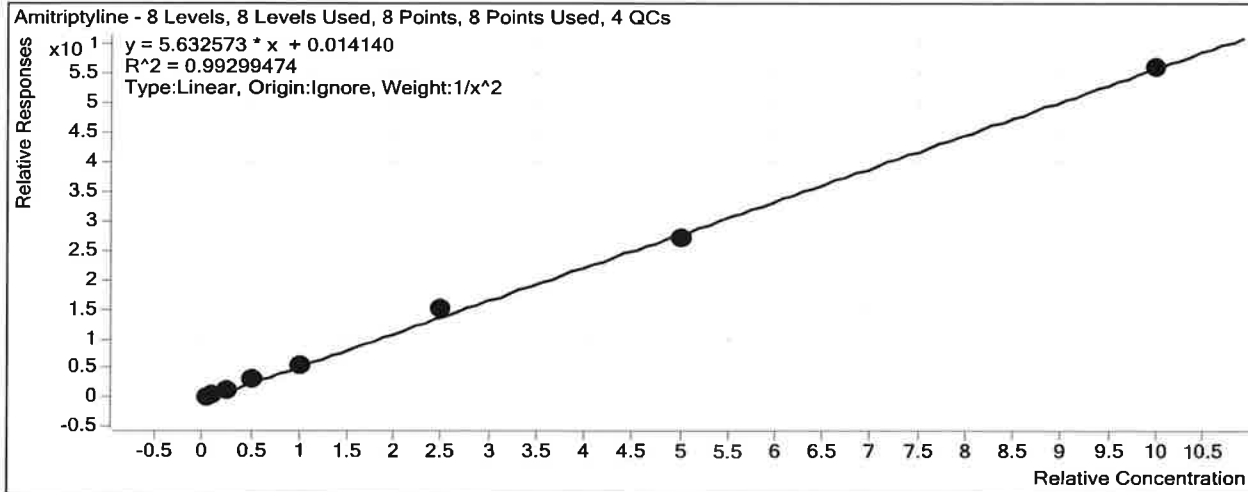
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P2 a cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	10.1	101.0
P2 a QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	9.6	96.3
P2 a cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	23.0	91.9
P2 a cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	50.1	100.2
P2 a cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	102.8	102.8
P2 a QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	100.5	100.5
P2 a cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	250.4	100.1
P2 a QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	248.6	99.4
P2 a cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	513.7	102.7
P2 a cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	984.8	98.5
P2 a QC 1000 (QC 4).d	8	<input checked="" type="checkbox"/>	1000	999.7	100.0

ISP Forensics Calibration Curve Report

TS

Batch Data Path C:\MassHunter\Data\2018\MD Quant\071118 MDQ P2 TS worklist 2556\QuantResults\071118 MDQ P2a TS_Final.batch.bin
Last Calib Update 7/13/2018 6:51 AM **Analyst Name** ISP TOX

Target Compound Amitriptyline
Internal Standard Amitriptyline-D3



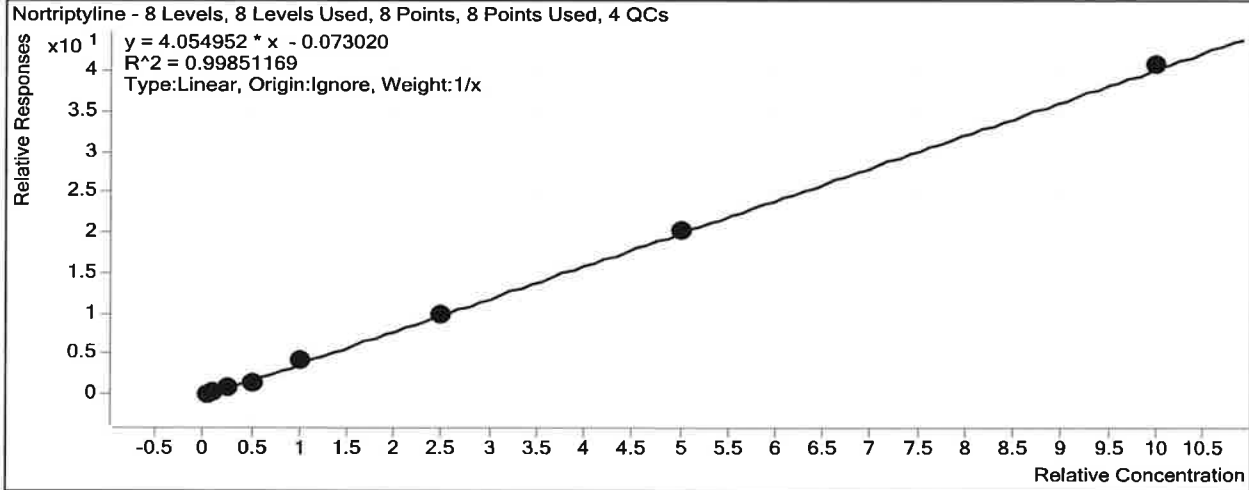
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
P2 a cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	4.9	98.5
P2 a cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	10.6	106.3
P2 a QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	7.8	78.1
P2 a cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	21.9	87.4
P2 a cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	54.8	109.6
P2 a cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	95.6	95.6
P2 a QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	94.4	94.4
P2 a cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	267.0	106.8
P2 a QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	258.9	103.6
P2 a cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	480.8	96.2
P2 a cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	996.3	99.6
P2 a QC 1000 (QC 4).d	8	<input checked="" type="checkbox"/>	1000	901.4	90.1

ISP Forensics Calibration Curve Report

B

Batch Data Path C:\MassHunter\Data\2018\MD Quant\071118 MDQ P2 TS worklist 2556\QuantResults\071118 MDQ P2a TS_Final.batch.bin
Last Calib Update 7/13/2018 6:51 AM **Analyst Name** ISP TOX

Target Compound Nortriptyline
Internal Standard Nortriptyline-D3



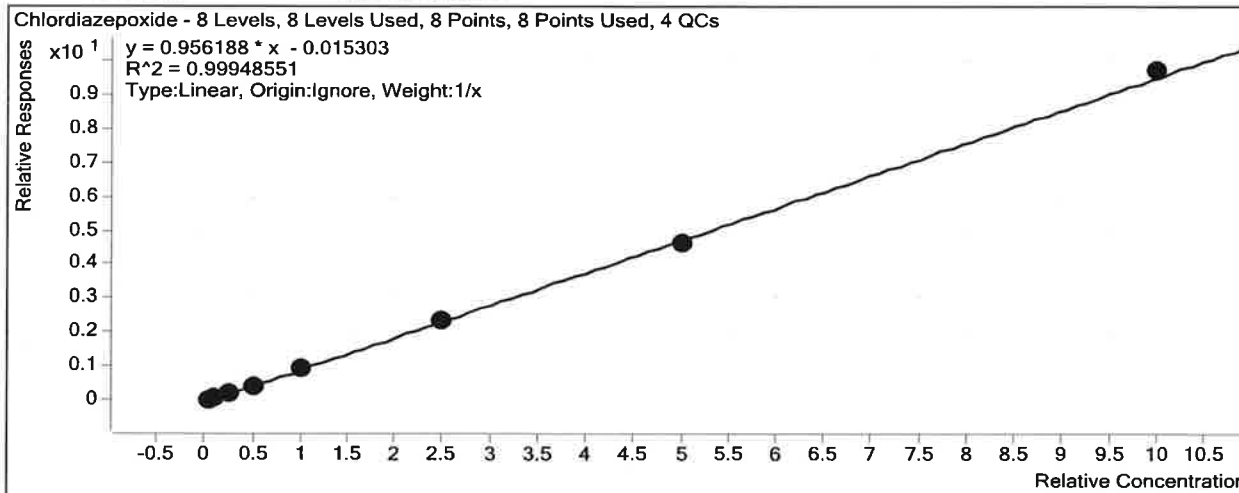
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
P2 a cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	5.8	116.0
P2 a cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	11.0	109.8
P2 a QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	9.8	97.9
P2 a cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	22.2	88.7
P2 a cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	41.0	82.0
P2 a cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	104.5	104.5
P2 a QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	104.5	104.5
P2 a cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	243.4	97.4
P2 a QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	255.4	102.2
P2 a cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	504.7	100.9
P2 a cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	1007.5	100.7
P2 a QC 1000 (QC 4).d	8	<input checked="" type="checkbox"/>	1000	1043.3	104.3

ISP Forensics Calibration Curve Report

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Batch Data Path C:\MassHunter\Data\2018\MD Quant\071118 MDQ P2 TS worklist 2556\QuantResults\071118 MDQ P2a TS_Final.batch.bin
Last Calib Update 7/13/2018 6:51 AM **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	<input checked="" type="checkbox"/>	5	5.6	111.8
P2 a cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	10.2	102.2
P2 a QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	9.3	93.1
P2 a cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	22.7	90.9
P2 a cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	47.8	95.6
P2 a cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	100.7	100.7
P2 a QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	91.4	91.4
P2 a cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	249.1	99.6
P2 a QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	249.2	99.7
P2 a cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	488.2	97.6
P2 a cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	1015.7	101.6
P2 a QC 1000 (QC 4).d	8	<input checked="" type="checkbox"/>	1000	1125.0	112.5

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ISP FORENSICS - Pocatello Instrument # 59740

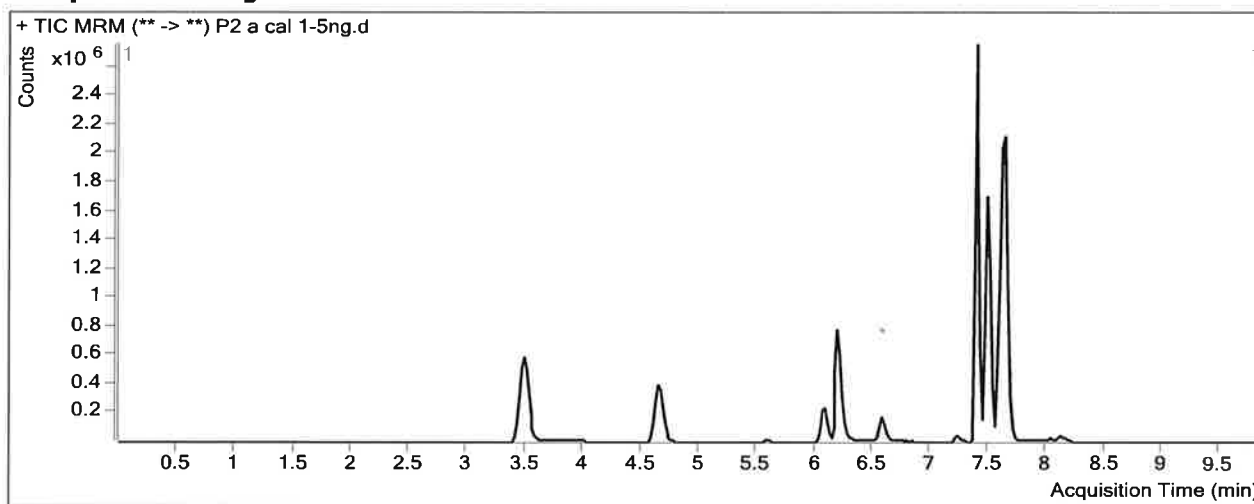
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\071118 MDQ P2 TS worklist 2556\QuantResults\071118 MDQ P2a TS_Fi
Analysis Time 7/13/2018 6:51 AM **Analyst Name** ISPUser
Report Time 7/13/2018 6:51 AM **Reporter Name** ISPUser
Last Calib Update 7/13/2018 6:51 AM **Batch State** Processed

Analysis Info

Acq Time 2018-07-11 12:22 **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 6-22-18.m
Position P1-A5 **Sample Info**
Inj Vol -1 **Comment** AM 28-Panel 2 worklist 2556

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Zopiclone	Zopiclone-D4	6.071	102550	772049	0.1328	5.1356
Amitriptyline	Amitriptyline-D3	7.490	33141	113624	0.2917	4.9272
Nortriptyline	Nortriptyline-D3	7.514	8934	55091	0.1622	5.8000
Chlordiazepoxide	Chlordiazepoxide-D5	7.627	141871	3718254	0.0382	5.5908

TS

ISP FORENSICS - Pocatello Instrument # 59740

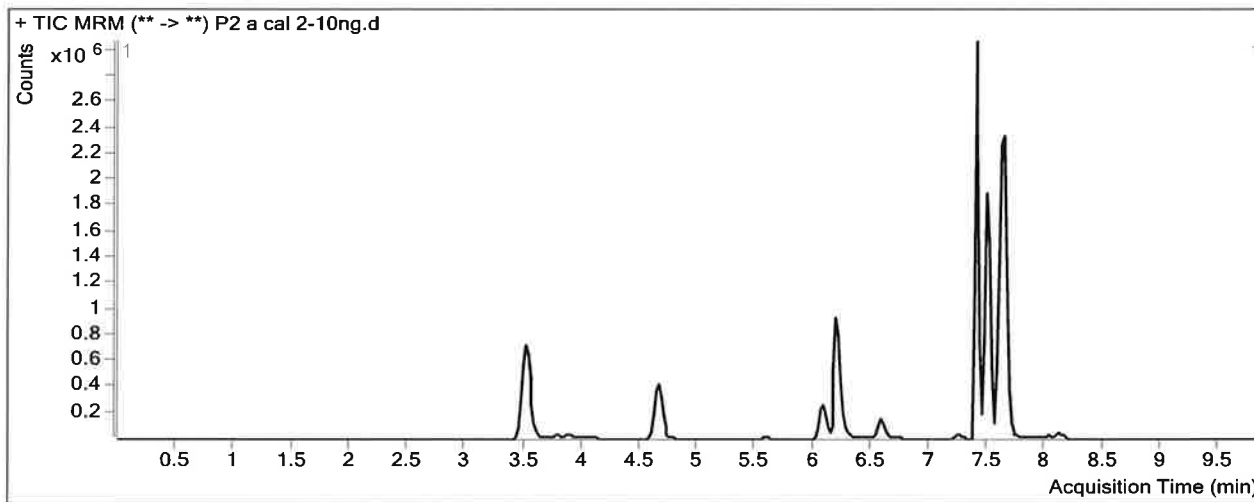
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\071118 MDQ P2 TS worklist 2556\QuantResults\071118 MDQ P2a TS_Fi
Analysis Time 7/13/2018 6:51 AM **Analyst Name** ISPUser
Report Time 7/13/2018 6:51 AM **Reporter Name** ISPUser
Last Calib Update 7/13/2018 6:51 AM **Batch State** Processed

Analysis Info

Acq Time 2018-07-11 12:47 **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 6-22-18.m
Position P1-B5 **Sample Info**
Inj Vol -1 **Comment** AM 28-Panel 2 worklist 2556

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Zopiclone	Zopiclone-D4	6.071	218053	750086	0.2907	10.1015
Amitriptyline	Amitriptyline-D3	7.490	37785	61660	0.6128	10.6285
Nortriptyline	Nortriptyline-D3	7.514	11236	30199	0.3721	10.9760
Chlordiazepoxide	Chlordiazepoxide-D5	7.627	307118	3727255	0.0824	10.2177

TS

ISP FORENSICS - Pocatello Instrument # 59740

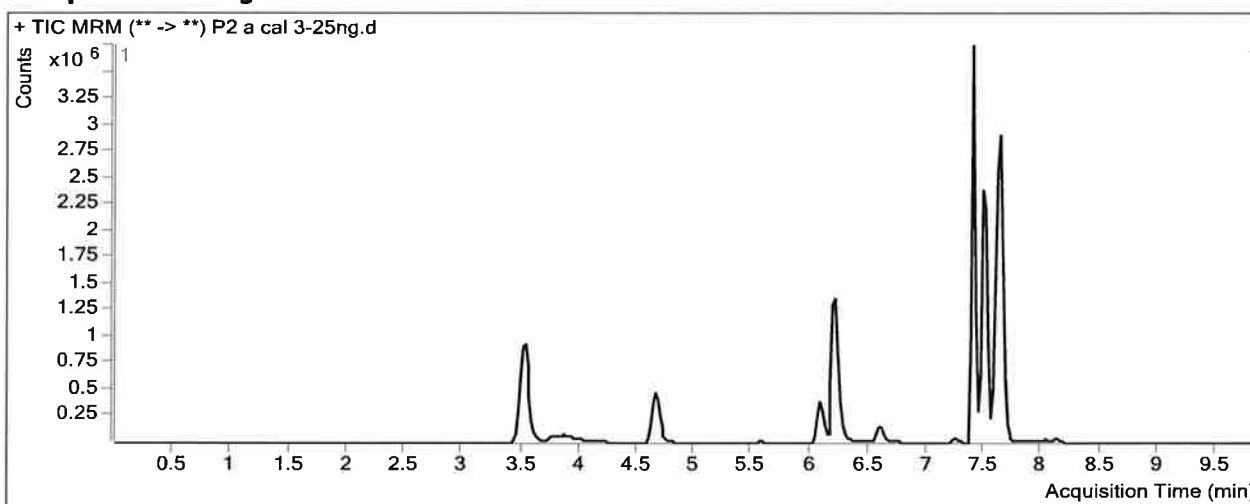
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\071118 MDQ P2 TS worklist 2556\QuantResults\071118 MDQ P2a TS_Fir
Analysis Time 7/13/2018 6:51 AM **Analyst Name** ISPUser
Report Time 7/13/2018 6:51 AM **Reporter Name** ISPUser
Last Calib Update 7/13/2018 6:51 AM **Batch State** Processed

Analysis Info

Acq Time 2018-07-11 13:13 **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 6-22-18.m
Position P1-C5 **Sample Info**
Inj Vol -1 **Comment** AM 28-Panel 2 worklist 2556

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Zopiclone	Zopiclone-D4	6.071	499028	712554	0.7003	22.9860
Amitriptyline	Amitriptyline-D3	7.490	62048	49835	1.2451	21.8539
Nortriptyline	Nortriptyline-D3	7.514	18481	22364	0.8264	22.1801
Chlordiazepoxide	Chlordiazepoxide-D5	7.627	740839	3666769	0.2020	22.7303

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ISP FORENSICS - Pocatello Instrument # 59740

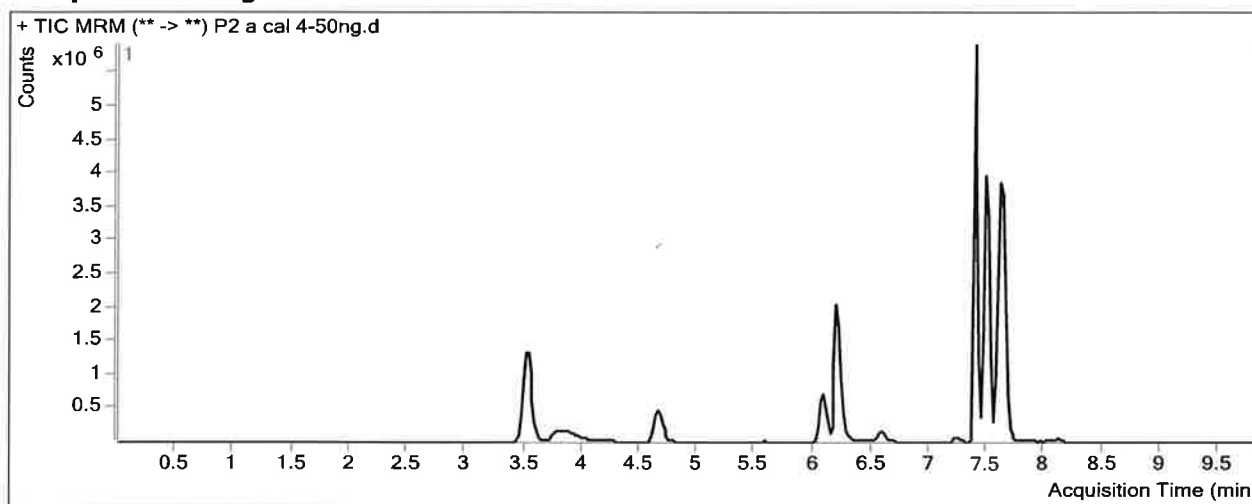
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\071118 MDQ P2 TS worklist 2556\QuantResults\071118 MDQ P2a TS_Fi
Analysis Time 7/13/2018 6:51 AM **Analyst Name** ISPUser
Report Time 7/13/2018 6:51 AM **Reporter Name** ISPUser
Last Calib Update 7/13/2018 6:51 AM **Batch State** Processed

Analysis Info

Acq Time 2018-07-11 13:39 **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 6-22-18.m
Position P1-D5 **Sample Info**
Inj Vol -1 **Comment** AM 28-Panel 2 worklist 2556

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Zopiclone	Zopiclone-D4	6.071	1322251	846373	1.5623	50.0967
Amitriptyline	Amitriptyline-D3	7.490	153310	49465	3.0994	54.7751
Nortriptyline	Nortriptyline-D3	7.514	45311	28511	1.5893	40.9939
Chlordiazepoxide	Chlordiazepoxide-D5	7.627	1694872	3837695	0.4416	47.7877

TS

ISP FORENSICS - Pocatello Instrument # 59740

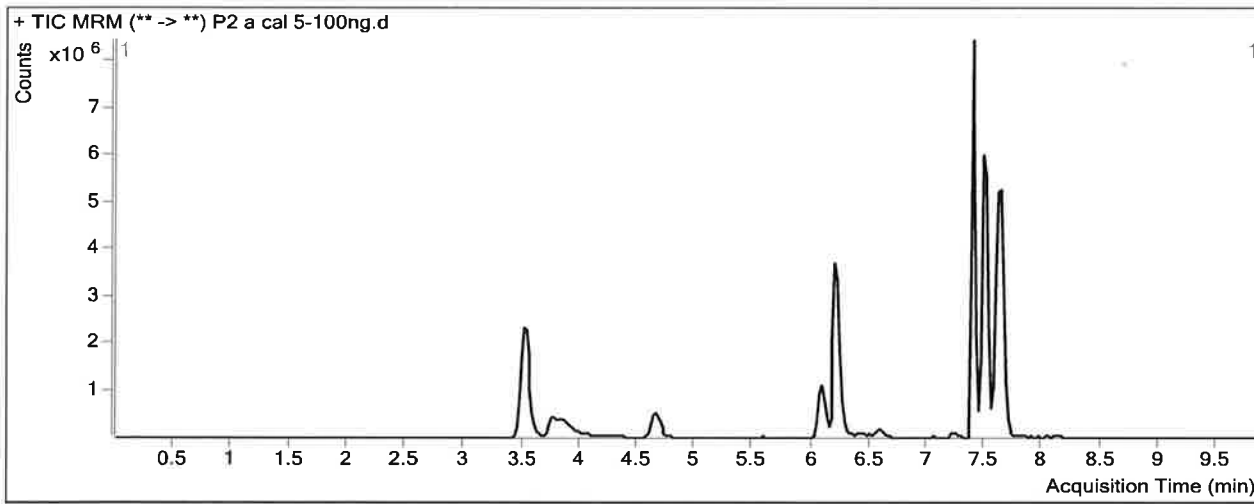
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\071118 MDQ P2 TS worklist 2556\QuantResults\071118 MDQ P2a TS_Fi
Analysis Time 7/13/2018 6:51 AM **Analyst Name** ISPUser
Report Time 7/13/2018 6:51 AM **Reporter Name** ISPUser
Last Calib Update 7/13/2018 6:51 AM **Batch State** Processed

Analysis Info

Acq Time 2018-07-11 14:04 **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 6-22-18.m
Position P1-E5 **Sample Info**
Inj Vol -1 **Comment** AM 28-Panel 2 worklist 2556

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Zopiclone	Zopiclone-D4	6.071	2383109	736296	3.2366	102.7620
Amitriptyline	Amitriptyline-D3	7.490	244769	45344	5.3981	95.5855
Nortriptyline	Nortriptyline-D3	7.514	70873	17022	4.1637	104.4826
Chlordiazepoxide	Chlordiazepoxide-D5	7.627	3145612	3320892	0.9472	100.6624

TS

ISP FORENSICS - Pocatello Instrument # 59740

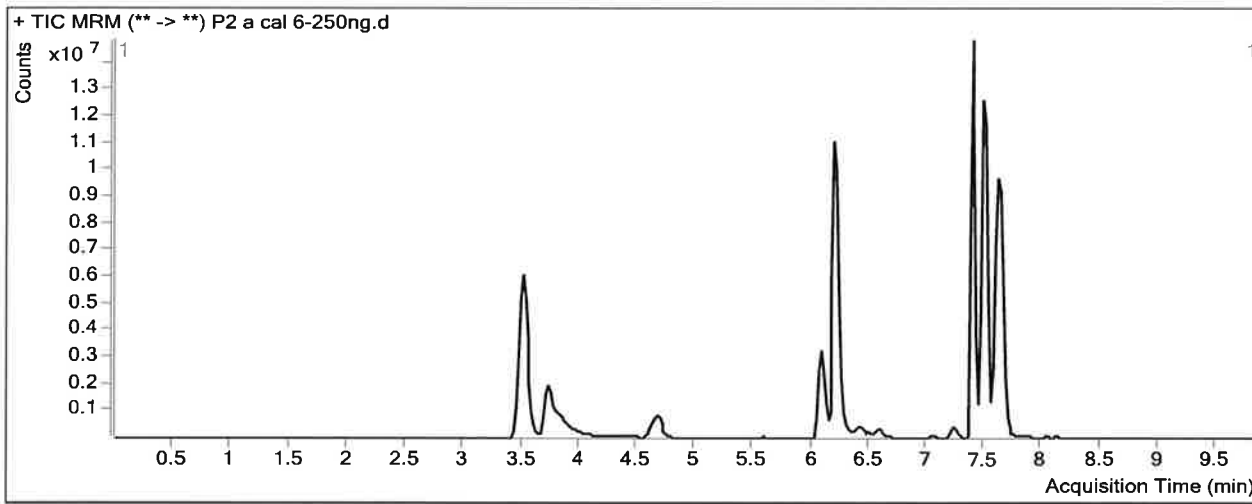
Multi-Drug Confirmatory Analysis Report

Batch Data Path	C:\MassHunter\Data\2018\MD Quant\071118 MDQ P2 TS worklist 2556\QuantResults\071118 MDQ P2a TS_Fi		
Analysis Time	7/13/2018 6:51 AM	Analyst Name	ISPUser
Report Time	7/13/2018 6:51 AM	Reporter Name	ISPUser
Last Calib Update	7/13/2018 6:51 AM	Batch State	Processed

Analysis Info

Acq Time	2018-07-11 14:30	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 6-22-18.m
Position	P1-F5	Sample Info	
Inj Vol	-1	Comment	AM 28-Panel 2 worklist 2556

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Zopiclone	Zopiclone-D4	6.071	7299614	920614	7.9291	250.3578
Amitriptyline	Amitriptyline-D3	7.490	1272024	84487	15.0558	267.0473
Nortriptyline	Nortriptyline-D3	7.514	430623	43955	9.7968	243.4016
Chlordiazepoxide	Chlordiazepoxide-D5	7.627	6758322	2855887	2.3665	249.0886

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ISP FORENSICS - Pocatello Instrument # 59740

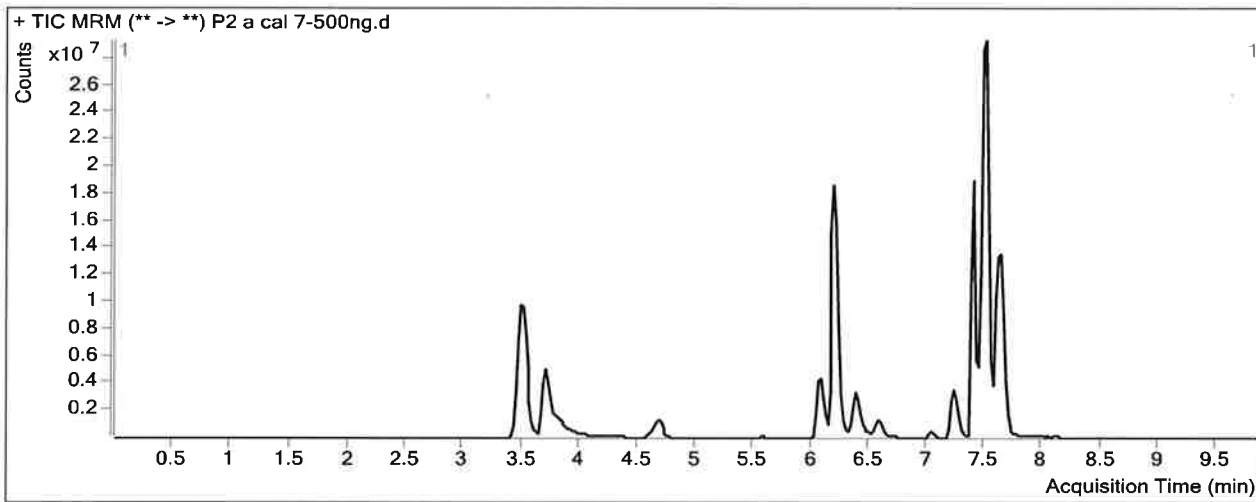
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\071118 MDQ P2 TS worklist 2556\QuantResults\071118 MDQ P2a TS_Fi
Analysis Time 7/13/2018 6:51 AM **Analyst Name** ISPUser
Report Time 7/13/2018 6:52 AM **Reporter Name** ISPUser
Last Calib Update 7/13/2018 6:51 AM **Batch State** Processed

Analysis Info

Acq Time 2018-07-11 14:55 **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 6-22-18.m
Position P1-G5 **Sample Info**
Inj Vol -1 **Comment** AM 28-Panel 2 worklist 2556

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Zopiclone	Zopiclone-D4	6.051	10363002	635663	16.3027	513.7398
Amitriptyline	Amitriptyline-D3	7.490	19535065	720920	27.0974	480.8328
Nortriptyline	Nortriptyline-D3	7.514	7400542	362899	20.3928	504.7130
Chlordiazepoxide	Chlordiazepoxide-D5	7.648	9510565	2044014	4.6529	488.2080

TS

ISP FORENSICS - Pocatello Instrument # 59740

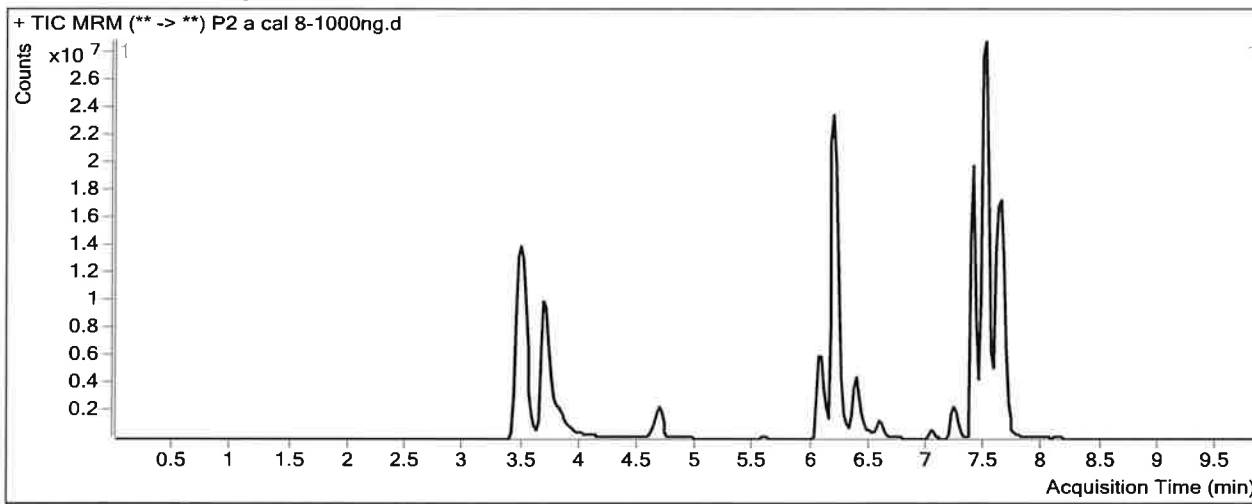
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\071118 MDQ P2 TS worklist 2556\QuantResults\071118 MDQ P2a TS_Fi
Analysis Time 7/13/2018 6:51 AM **Analyst Name** ISPUser
Report Time 7/13/2018 6:52 AM **Reporter Name** ISPUser
Last Calib Update 7/13/2018 6:51 AM **Batch State** Processed

Analysis Info

Acq Time 2018-07-11 15:21 **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 6-22-18.m
Position P1-H5 **Sample Info**
Inj Vol -1 **Comment** AM 28-Panel 2 worklist 2556

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Zopiclone	Zopiclone-D4	6.051	14053276	449280	31.2795	984.8207
Amitriptyline	Amitriptyline-D3	7.490	10859119	193450	56.1340	996.3444
Nortriptyline	Nortriptyline-D3	7.514	3980031	97601	40.7787	1007.4527
Chlordiazepoxide	Chlordiazepoxide-D5	7.648	13483209	1390474	9.6968	1015.7145

B

ISP FORENSICS - Pocatello Instrument # 59740

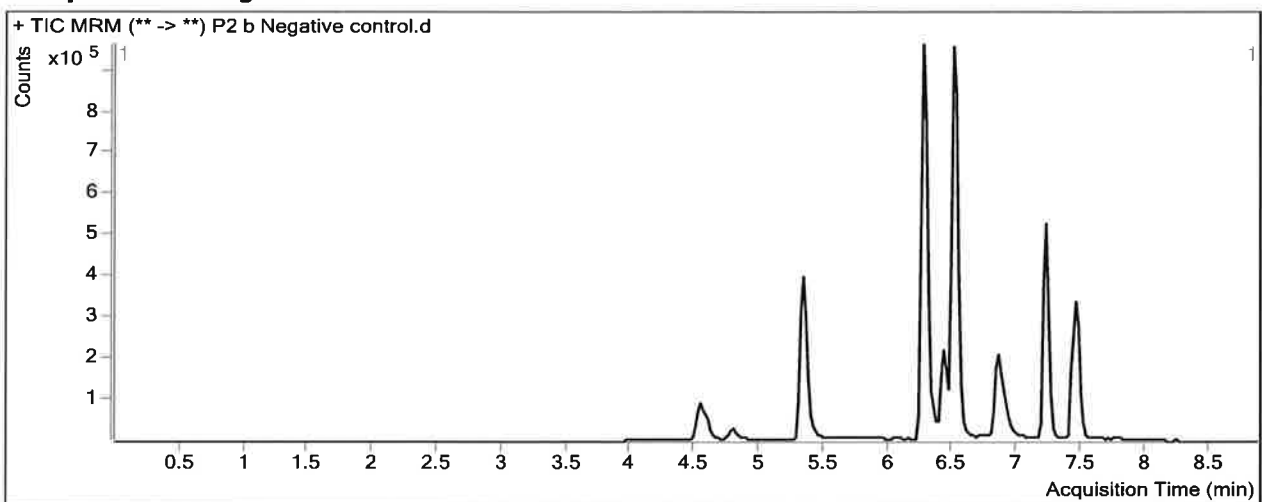
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\071118 MDQ P2 TS worklist 2556\QuantResults\071118 MD
Analysis Time 7/13/2018 6:56 AM **Analyst Name** ISPUser
Report Time 7/13/2018 6:58 AM **Reporter Name** ISPUser
Last Calib Update 7/13/2018 6:56 AM **Batch State** Processed

Analysis Info

Acq Time 2018-07-11 16:25 **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 worklist 2556

Sample Chromatogram



B

ISP FORENSICS - Pocatello Instrument # 59740

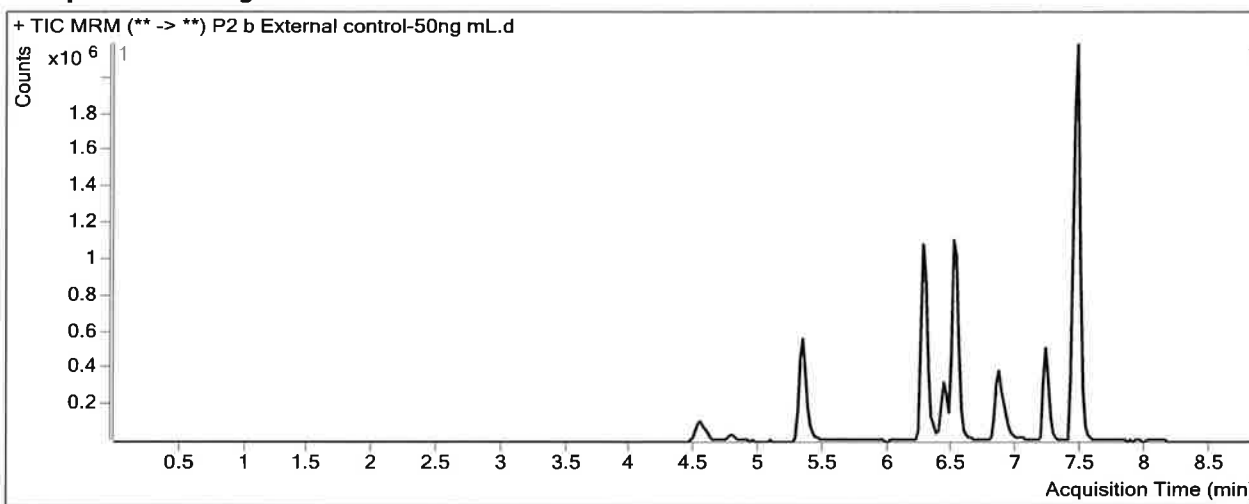
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\071118 MDQ P2 TS worklist 2556\QuantResults\071118 MDQ P2b TS_Fi
Analysis Time 7/13/2018 6:56 AM **Analyst Name** ISPUser
Report Time 7/13/2018 6:58 AM **Reporter Name** ISPUser
Last Calib Update 7/13/2018 6:56 AM **Batch State** Processed

Analysis Info

Acq Time 2018-07-11 16:50 **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; WS061218 50 ng flunitrazepam, zopiclone, chlorodiazepoxide

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Flunitrazepam	Flunitrazepam-D7	7.457	3055979	756872	4.0376	43.8736

B

ISP FORENSICS - Pocatello Instrument # 59740

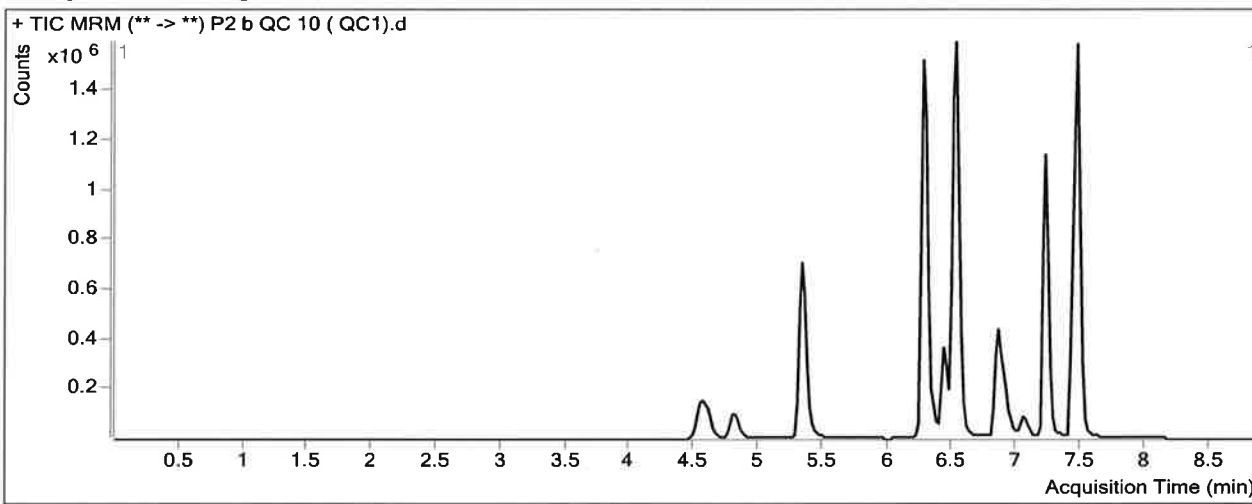
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\071118 MDQ P2 TS worklist 2556\QuantResults\071118 MDQ P2b TS_Fi
Analysis Time 7/13/2018 6:56 AM **Analyst Name** ISPUser
Report Time 7/13/2018 6:58 AM **Reporter Name** ISPUser
Last Calib Update 7/13/2018 6:56 AM **Batch State** Processed

Analysis Info

Acq Time 2018-07-11 17:41 **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 worklist 2556

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Phenytoin	Phenytoin-D10	7.290	20724	96255	0.2153	9.6593
Flunitrazepam	Flunitrazepam-D7	7.457	670763	846354	0.7925	8.9247

TS

ISP FORENSICS - Pocatello Instrument # 59740

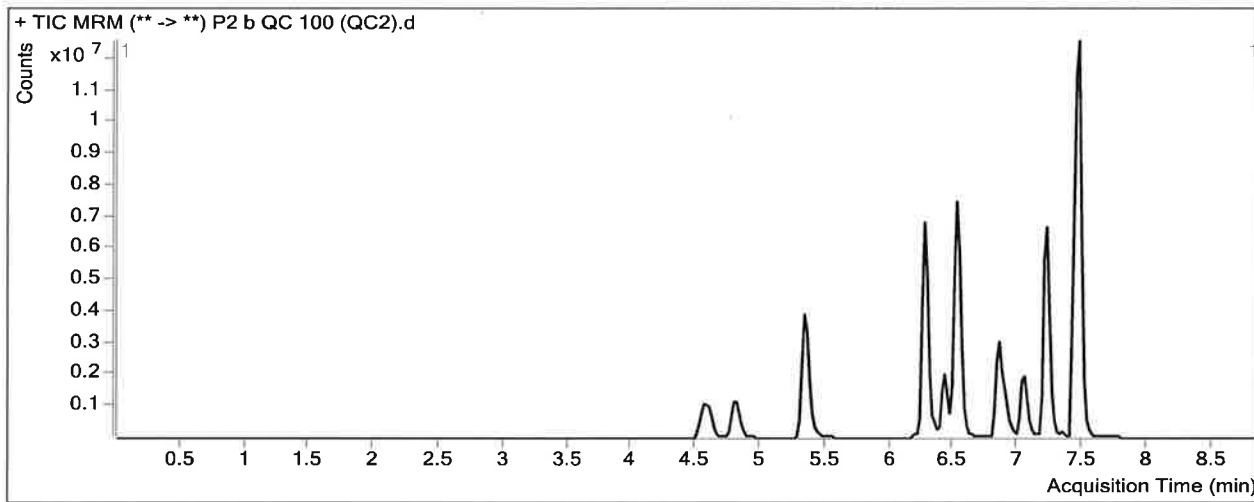
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\071118 MDQ P2 TS worklist 2556\QuantResults\071118 MDQ P2b TS_Fi
Analysis Time 7/13/2018 6:56 AM **Analyst Name** ISPUser
Report Time 7/13/2018 6:58 AM **Reporter Name** ISPUser
Last Calib Update 7/13/2018 6:56 AM **Batch State** Processed

Analysis Info

Acq Time 2018-07-11 18:45 **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 worklist 2556

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Phenytoin	Phenytoin-D10	7.270	233763	85609	2.7306	99.6365
Flunitrazepam	Flunitrazepam-D7	7.437	5852655	649181	9.0154	97.4832

B

ISP FORENSICS - Pocatello Instrument # 59740

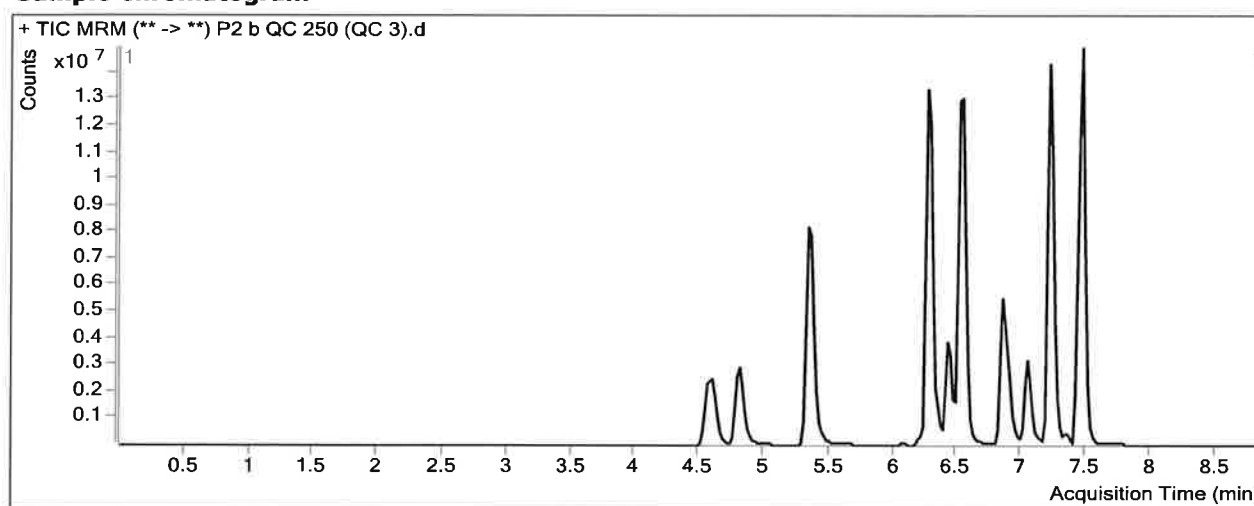
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\071118 MDQ P2 TS worklist 2556\QuantResults\071118 MDQ P2b TS_Fi
Analysis Time 7/13/2018 6:56 AM **Analyst Name** ISPUser
Report Time 7/13/2018 6:58 AM **Reporter Name** ISPUser
Last Calib Update 7/13/2018 6:56 AM **Batch State** Processed

Analysis Info

Acq Time 2018-07-11 19:48 **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 worklist 2556

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Phenytoin	Phenytoin-D10	7.290	669085	101409	6.5979	237.9771
Flunitrazepam	Flunitrazepam-D7	7.457	13758765	586219	23.4704	253.1585

K

ISP FORENSICS - Pocatello Instrument # 59740

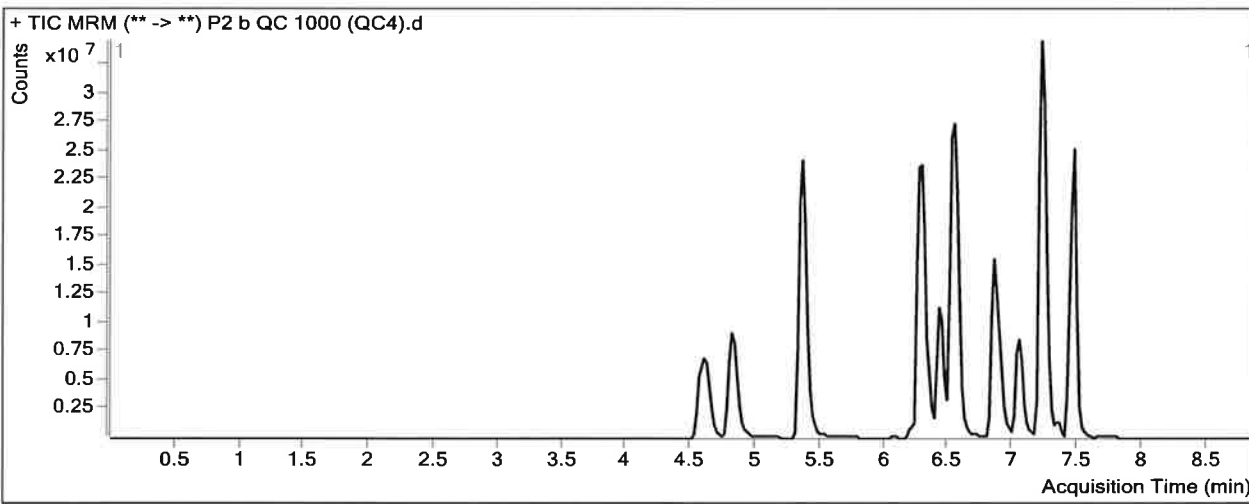
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\071118 MDQ P2 TS worklist 2556\QuantResults\071118 MDQ P2b TS_Fi
Analysis Time 7/13/2018 6:56 AM **Analyst Name** ISPUser
Report Time 7/13/2018 6:58 AM **Reporter Name** ISPUser
Last Calib Update 7/13/2018 6:56 AM **Batch State** Processed

Analysis Info

Acq Time 2018-07-11 20:52 **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 worklist 2556

Sample Chromatogram



Results

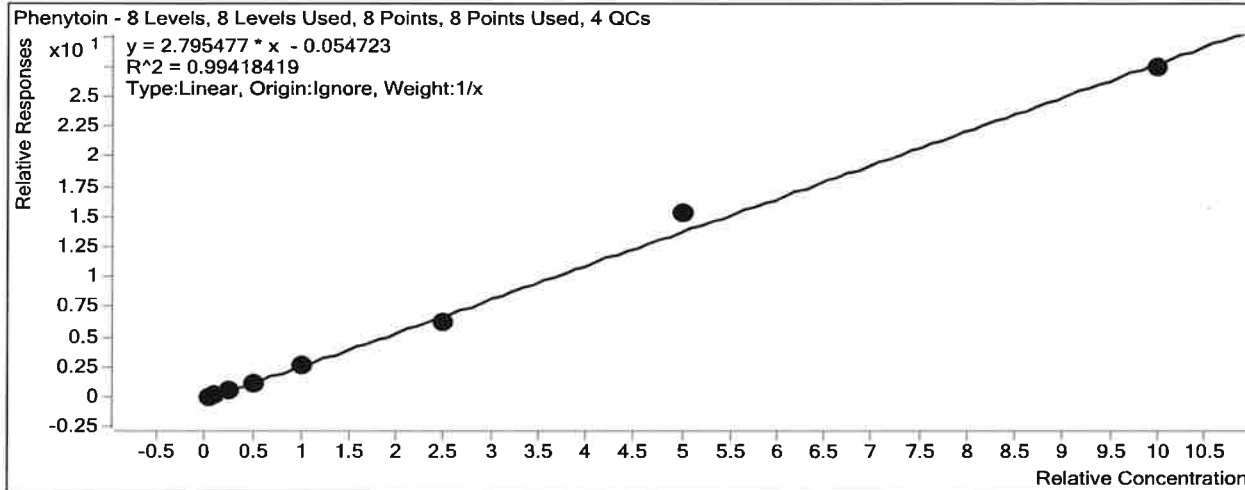
Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Phenytoin	Phenytoin-D10	7.290	3470572	112255	30.9168	1107.9157
Flunitrazepam	Flunitrazepam-D7	7.457	30511899	320073	95.3280	1027.0453

ISP Forensics Calibration Curve Report

15

Batch Data Path C:\MassHunter\Data\2018\MD Quant\071118 MDQ P2 TS worklist 2556\QuantResults\071118 MDQ P2b TS_Final.batch.bin
Last Calib Update 7/13/2018 6:56 AM **Analyst Name** ISP TOX

Target Compound Phenytoin
Internal Standard Phenytoin-D10



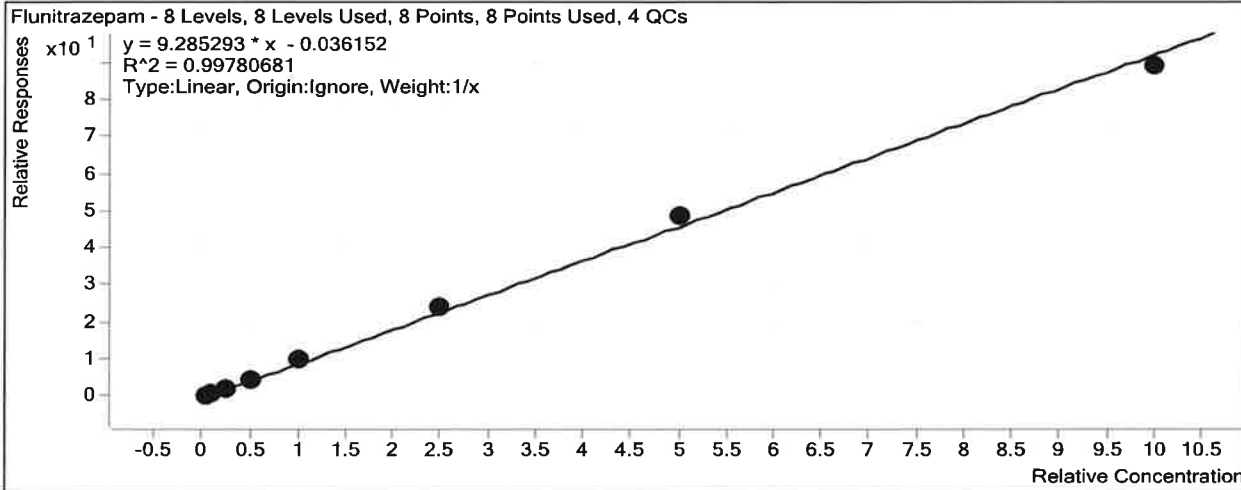
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
P2 b cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	5.5	110.1
P2 b cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	11.7	116.6
P2 b QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	9.7	96.6
P2 b cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	22.3	89.2
P2 b cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	42.6	85.2
P2 b cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	100.8	100.8
P2 b QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	99.6	99.6
P2 b cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	223.6	89.5
P2 b QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	238.0	95.2
P2 b cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	552.4	110.5
P2 b cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	981.1	98.1
P2 b QC 1000 (QC4).d	8	<input checked="" type="checkbox"/>	1000	1107.9	110.8

ISP Forensics Calibration Curve Report

TS

Batch Data Path C:\MassHunter\Data\2018\MD Quant\071118 MDQ P2 TS worklist 2556\QuantResults\071118 MDQ P2b TS_Final.batch.bin
Last Calib Update 7/13/2018 6:56 AM **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	<input checked="" type="checkbox"/>	5	4.6	91.4
P2 b cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	10.3	103.1
P2 b QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	8.9	89.2
P2 b cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	23.4	93.5
P2 b cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	51.1	102.1
P2 b cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	104.9	104.9
P2 b QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	97.5	97.5
P2 b cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	258.6	103.5
P2 b QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	253.2	101.3
P2 b cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	527.7	105.5
P2 b cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	959.5	95.9
P2 b QC 1000 (QC4).d	8	<input checked="" type="checkbox"/>	1000	1027.0	102.7

TS

ISP FORENSICS - Pocatello Instrument # 59740

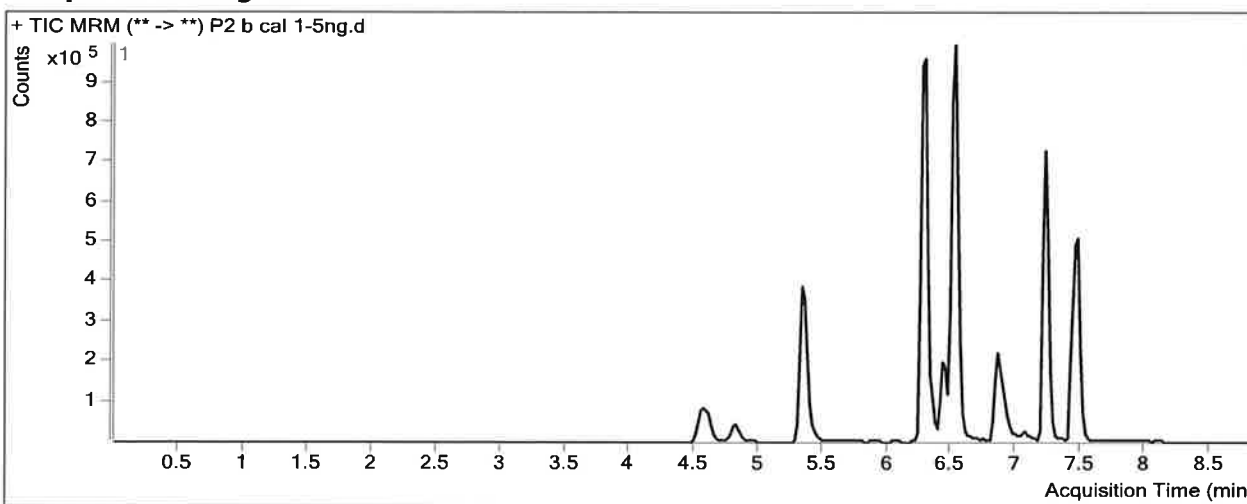
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\071118 MDQ P2 TS worklist 2556\QuantResults\071118 MDQ P2b TS_Fi
Analysis Time 7/13/2018 6:56 AM **Analyst Name** ISPUser
Report Time 7/13/2018 6:57 AM **Reporter Name** ISPUser
Last Calib Update 7/13/2018 6:56 AM **Batch State** Processed

Analysis Info

Acq Time 2018-07-11 12:35 **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 worklist 2556

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Phenytoin	Phenytoin-D10	7.290	7955	80160	0.0992	5.5073
Flunitrazepam	Flunitrazepam-D7	7.457	267051	687697	0.3883	4.5715

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ISP FORENSICS - Pocatello Instrument # 59740

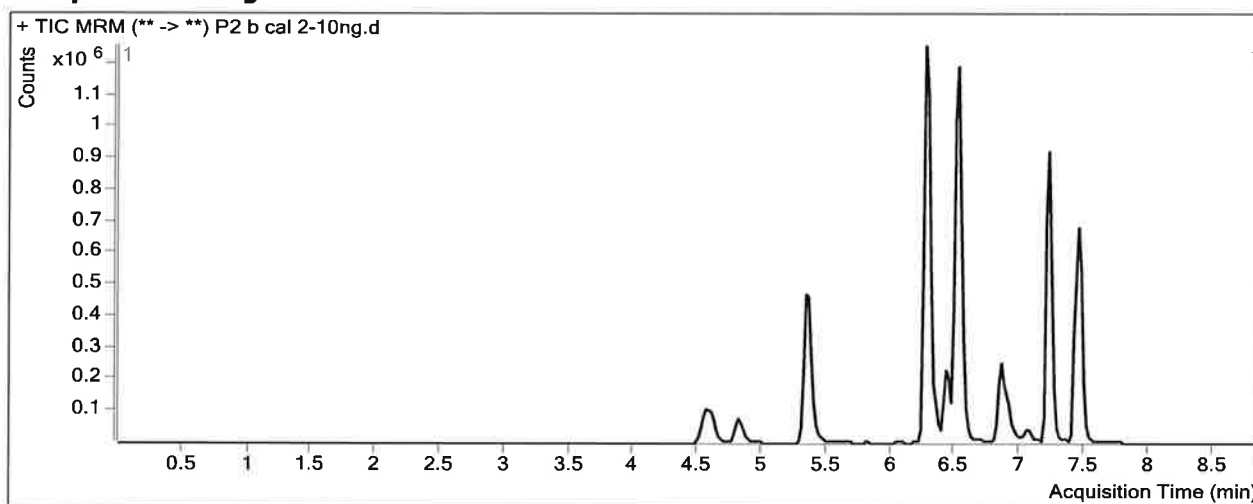
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\071118 MDQ P2 TS worklist 2556\QuantResults\071118 MDQ P2b TS_Fi
Analysis Time 7/13/2018 6:56 AM **Analyst Name** ISPUser
Report Time 7/13/2018 6:57 AM **Reporter Name** ISPUser
Last Calib Update 7/13/2018 6:56 AM **Batch State** Processed

Analysis Info

Acq Time 2018-07-11 13:00 **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 worklist 2556

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Phenytoin	Phenytoin-D10	7.270	20287	74810	0.2712	11.6581
Flunitrazepam	Flunitrazepam-D7	7.437	612325	664631	0.9213	10.3115

15

ISP FORENSICS - Pocatello Instrument # 59740

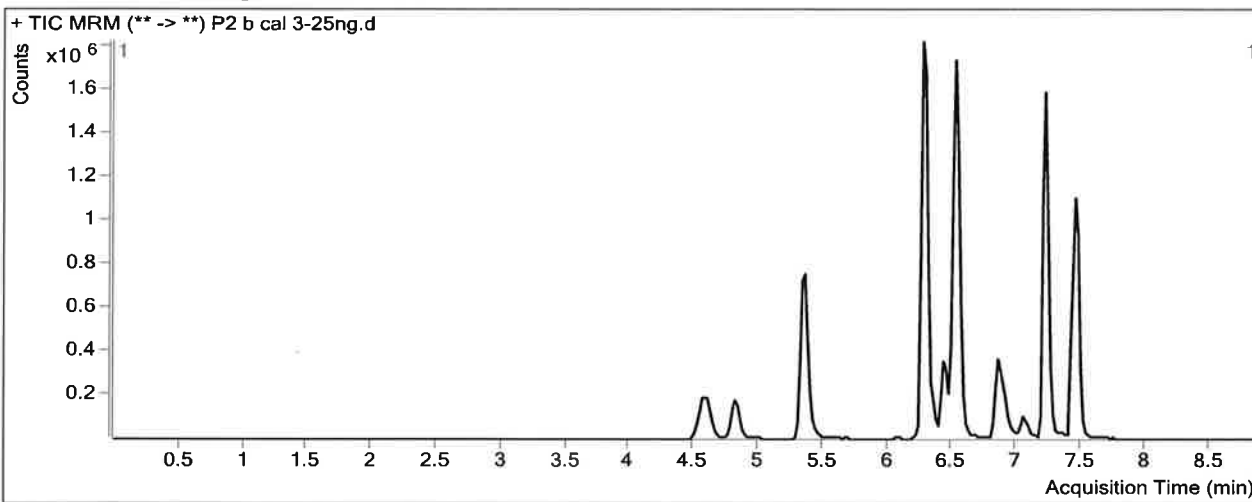
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\071118 MDQ P2 TS worklist 2556\QuantResults\071118 MDQ P2b TS_Fi
Analysis Time 7/13/2018 6:56 AM **Analyst Name** ISPUser
Report Time 7/13/2018 6:57 AM **Reporter Name** ISPUser
Last Calib Update 7/13/2018 6:56 AM **Batch State** Processed

Analysis Info

Acq Time 2018-07-11 13:26 **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 worklist 2556

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Phenytoin	Phenytoin-D10	7.290	47025	82673	0.5688	22.3050
Flunitrazepam	Flunitrazepam-D7	7.437	1415755	663411	2.1341	23.3725

TS

ISP FORENSICS - Pocatello Instrument # 59740

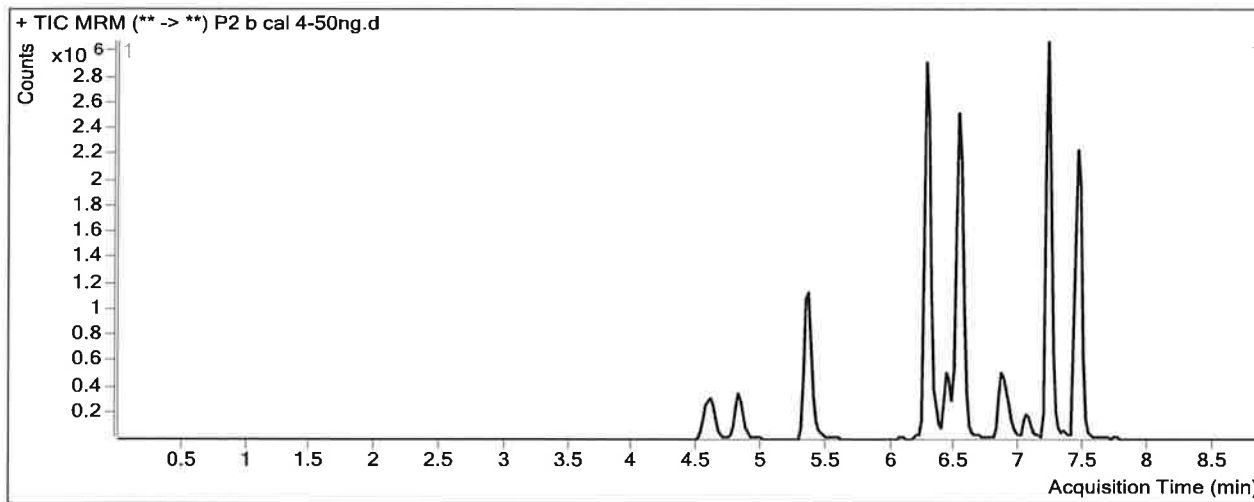
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\071118 MDQ P2 TS worklist 2556\QuantResults\071118 MDQ P2b TS_Fi
Analysis Time 7/13/2018 6:56 AM **Analyst Name** ISPUser
Report Time 7/13/2018 6:57 AM **Reporter Name** ISPUser
Last Calib Update 7/13/2018 6:56 AM **Batch State** Processed

Analysis Info

Acq Time 2018-07-11 13:51 **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 worklist 2556

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Phenytoin	Phenytoin-D10	7.270	105928	93207	1.1365	42.6122
Flunitrazepam	Flunitrazepam-D7	7.437	3355894	713119	4.7059	51.0710

15

ISP FORENSICS - Pocatello Instrument # 59740

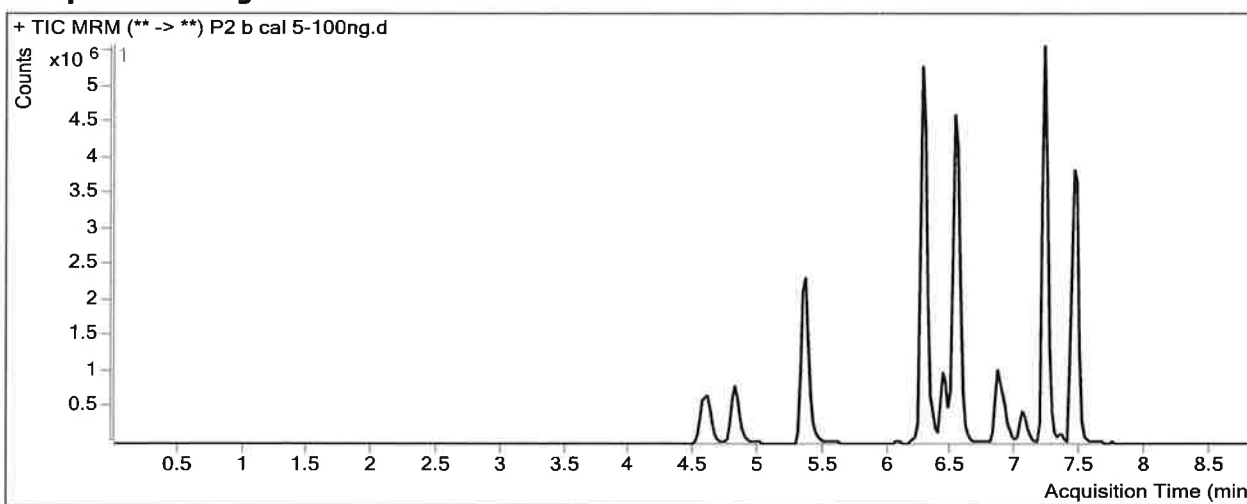
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\071118 MDQ P2 TS worklist 2556\QuantResults\071118 MDQ P2b TS_Fi
Analysis Time 7/13/2018 6:56 AM **Analyst Name** ISUser
Report Time 7/13/2018 6:57 AM **Reporter Name** ISUser
Last Calib Update 7/13/2018 6:56 AM **Batch State** Processed

Analysis Info

Acq Time 2018-07-11 14:17 **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 worklist 2556

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Phenytoin	Phenytoin-D10	7.270	234458	84870	2.7626	100.7800
Flunitrazepam	Flunitrazepam-D7	7.437	6553204	675433	9.7022	104.8797

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ISP FORENSICS - Pocatello Instrument # 59740

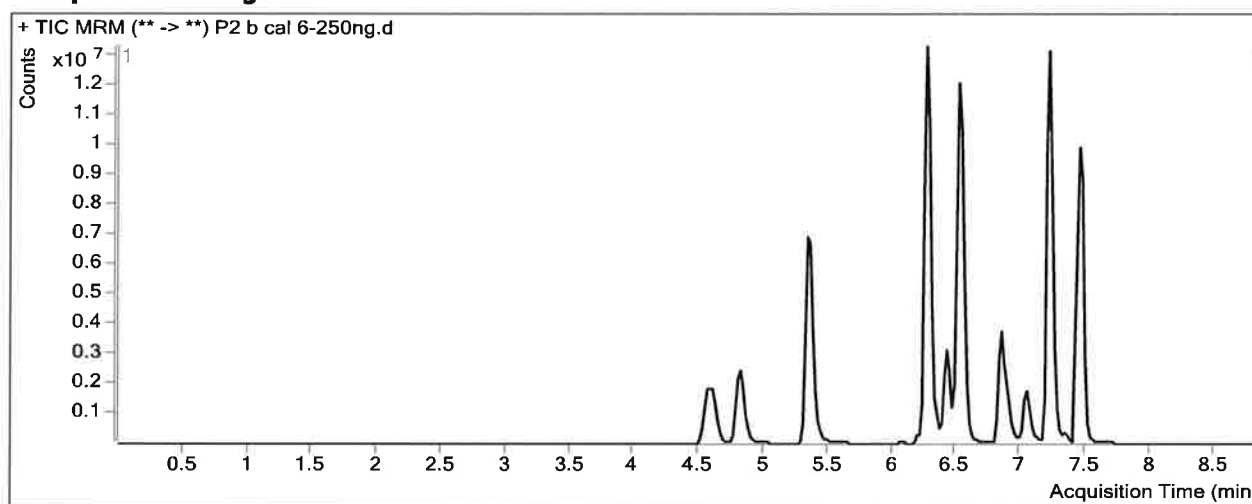
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\071118 MDQ P2 TS worklist. 2556\QuantResults\071118 MDQ P2b TS_Fi
Analysis Time 7/13/2018 6:56 AM **Analyst Name** ISPUser
Report Time 7/13/2018 6:57 AM **Reporter Name** ISPUser
Last Calib Update 7/13/2018 6:56 AM **Batch State** Processed

Analysis Info

Acq Time 2018-07-11 14:42 **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 worklist 2556

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Phenytoin	Phenytoin-D10	7.270	677171	109276	6.1969	223.6341
Flunitrazepam	Flunitrazepam-D7	7.437	15663992	653216	23.9798	258.6452

TS

ISP FORENSICS - Pocatello Instrument # 59740

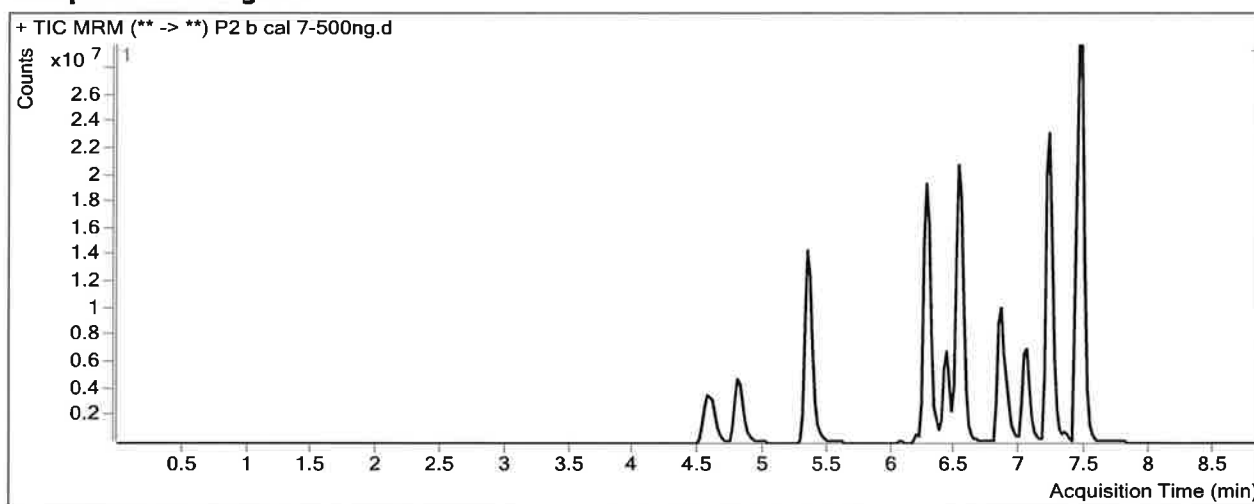
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\071118 MDQ P2 TS worklist 2556\QuantResults\071118 MDQ P2b TS_Fi
Analysis Time 7/13/2018 6:56 AM **Analyst Name** ISPUser
Report Time 7/13/2018 6:57 AM **Reporter Name** ISPUser
Last Calib Update 7/13/2018 6:56 AM **Batch State** Processed

Analysis Info

Acq Time 2018-07-11 15:08 **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 worklist 2556

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Phenytoin	Phenytoin-D10	7.290	1385091	90006	15.3888	552.4475
Flunitrazepam	Flunitrazepam-D7	7.437	18306246	373886	48.9622	527.6980

15

ISP FORENSICS - Pocatello Instrument # 59740

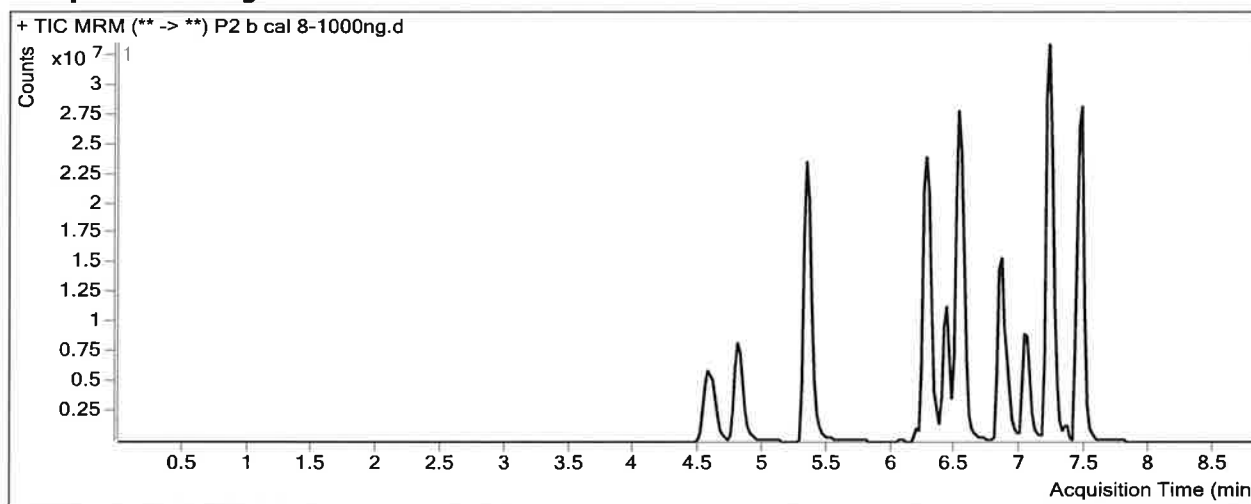
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\071118 MDQ P2 TS worklist 2556\QuantResults\071118 MDQ P2b TS_Fi
Analysis Time 7/13/2018 6:56 AM **Analyst Name** ISPUser
Report Time 7/13/2018 6:57 AM **Reporter Name** ISPUser
Last Calib Update 7/13/2018 6:56 AM **Batch State** Processed

Analysis Info

Acq Time 2018-07-11 15:33 **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 worklist 2556

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Phenytoin	Phenytoin-D10	7.290	2965143	108334	27.3705	981.0557
Flunitrazepam	Flunitrazepam-D7	7.437	27785104	312011	89.0516	959.4506