REVIEWED
By Britany Wylie at 1:41 pm, Jun 17, 2020

6/17/2020

Worklist: 4308

LAB_CASE	ITEM	ITEM_TYPE	DESCRIPTION	
C2020-1084	1	BCK	AM 28 Blood Multi-Drug Quant Panel 2 by LC-QQQ	
P2020-1226	1	BCK	AM 28 Blood Multi-Drug Quant Panel 2 by LC-QQQ	
P2020-1438	1	BCK	AM 28 Blood Multi-Drug Quant Panel 2 by LC-QQQ	

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

Extraction Date 6/16/20 Analyst: Anne Nord
Plate lot#: ~~19730~~ 190730 8/13/20 (part IDP-112) Plate Expiration: 1/30/20

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: 19H52275 **Urine Blank lot:** 11719
Column: Agilent 120 EC-C18 (2.1x 100-2.7um)
LCMS-QQQ ID: 69679

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. Urine hydrolysis pipette 250 ul urine in blank well, add 40 ul BG Turbo, add 100 ul 500 mm sodium phosphate buffer, mix for at least 5 minutes at ambient temperature. Pipette **250µL blood (calibrated pipette) Pipette ID: 1926134 or 250µL hydrolyzed urine** in wells of analytical (standards) plate.
☒ 3. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
☒ 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/urine+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: 66792*
☒ 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: 66819*
☒ 16. Reconstitute in **100µL 20% MeOH** and heat seal plate with foil.

Post-Analytic

☒ 1. Create batch and process data.
☒ 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? Yes, see comments Add Control data to QC tracking spreadsheet.
☒ 6. Central File Packet to include: LIMS Worklist, Method Checklist, Calibration and Control Reports.

COMMENTS: *Compounds evaluated: Amitriptyline, Chlordiazepoxide, Etizolam, MDA, MDMA, Nortriptyline*
Curve limit Chlordiazepoxide 5-500

Idaho State Police
Forensic Services
Toxicology Discipline

Request for Departure from an Analytical Method

Date of Request
01/13/2020

Forensic Scientist
Celena Shrum

Analytical Methods
Toxicology AM #25, Toxicology AM #26/27, and AM #28

Deviation

The expiration dates listed for the current batch of PinPoint ToxBox extraction plates are as follows:
*MDS (batch IDP-107-190725)- Expiration is 1/25/2020
*THC (batch IDP-108-190716)- Expiration is 1/16/2020
*MDQ P1 (batch IDP-111-190729)- Expiration is 1/29/2020
*MDQ P2 (batch IDP-112-190730)- Expiration is 1/30/2020

I am issuing a deviation to allow for the use of the remaining plates of these batches. The controls will be used to evaluate if the plate is working as intended. In addition, at least one external control must be included for each run.

Celena Shrum

Date: 01/13/2020
Celena Shrum
Toxicology Discipline Lead

Toxicology AM method 25/28 urine external control prep

working solution 10000 ng/ml in meoh Hydromorphone, Diphenhydramine, Nortriptyline, Chlordiazepoxide

Stock solution 1mg/ml 50 ul each in 4800ul meOH (Alfa Aesar lot Z22F712)

ppd 5/6/20: Exp: 6/1/20 lot 5620 by baw

Drug	lot	expiration
Hydromorphone	FE04101502	6/1/2020
Doxylamine	FN11201501	11/1/2020
nortriptyline	FN06191503	8/1/2020
chlordiazepoxide	FE07241502	8/1/2020

AM 25/28 control 500 ul working solution (5620) in 4500 ul negative urine (1000ng/mL Expected concentration)

ppd 5/6/20, exp 6/1/20 lot u32420 negative urine 41520 by BAW

AM 25/28 Blood Control: 50ul working solution (562020) in 4950 ul neg blood (100ng/mL Expected concentration)

ppd 5/6/20, exp 6/1/20 lot b3920 neg blood lot 20A52255 by BAW

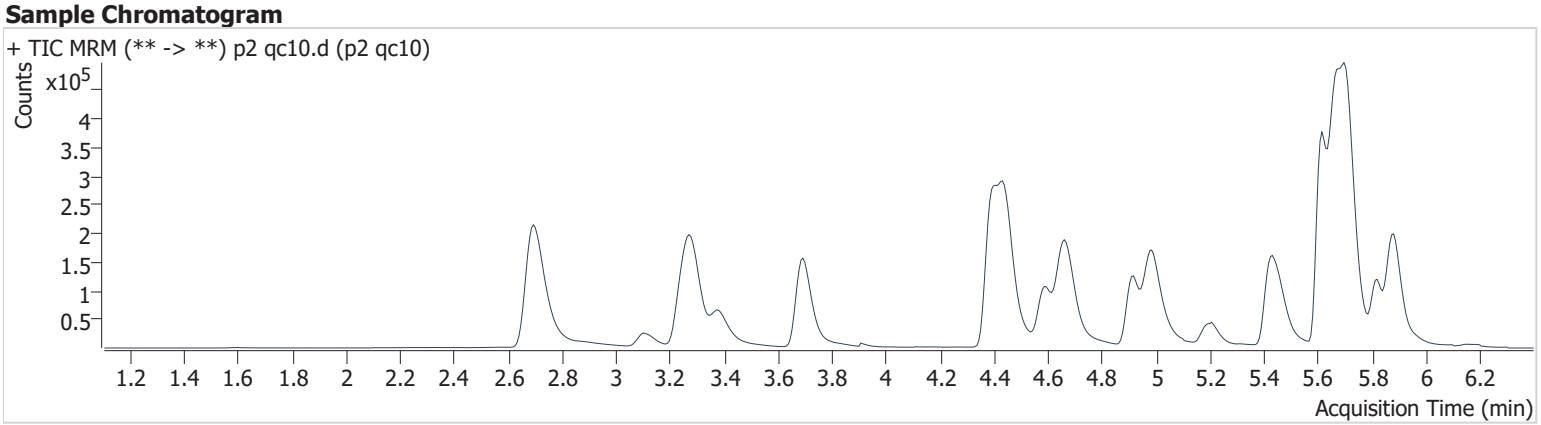
ok to use until 8/1/20 (evaluating doxylamine, nortriptyline, and chlordiazepoxide)

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2020\am28-27 061620\QuantResults\mdq p2.batch.bin
Calibration Last Update 6/17/2020 8:47:01 AM

Instrument	69679	**Data File**	p2 qc10.d
Type	QC	**Sample**	p2 qc10
Acq. Method	am 28 p2.m	**Operator**	Anne Nord
Sample Position	P2-A5	**Comment**	
Injection Volume	2.5		
Acq. Date-Time	6/16/2020 4:05:37 PM		
Sample Info.			

Sample Chromatogram



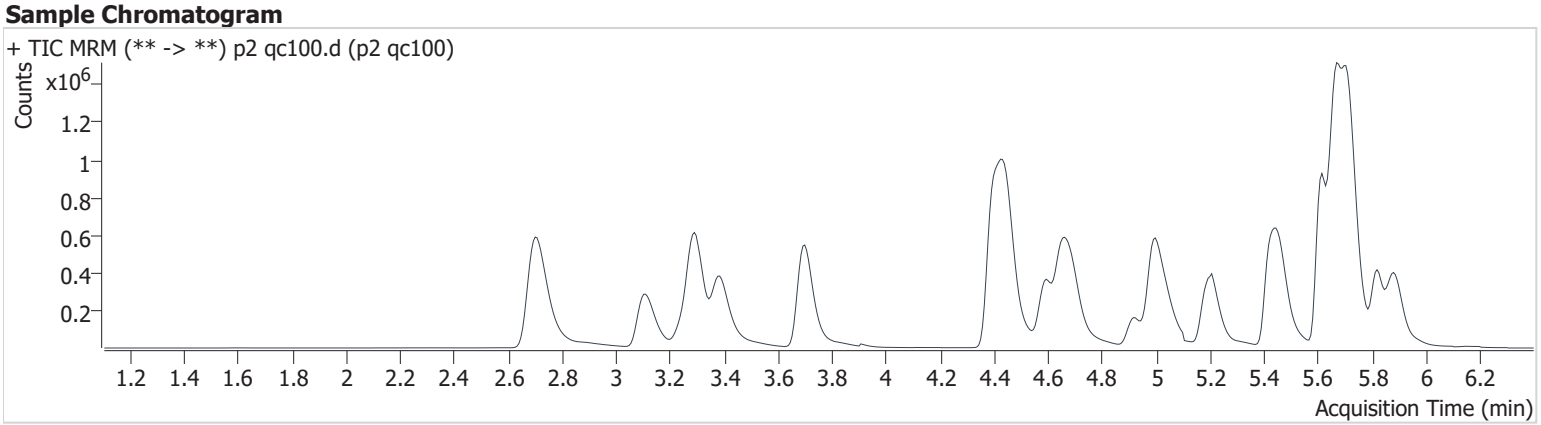
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.	
Amitriptyline	5.712	31816	562.4	106.0	528.9	134714	10.186	ng/ml
Chlordiazepoxide	5.873	25448	932.3	59.5	107.1	330119	10.048	ng/ml
Etizolam	5.817	31426	2070.5	25.1	486.1	192845	10.559	ng/ml
MDA	3.299	148272	491.2	28.2	726.3	414209	9.877	ng/ml
MDMA	3.385	79068	1123.2	89.8	3028.2	83864	9.454	ng/ml
Nortriptyline	5.727	35129	861.2	73.9	218.4	117281	11.395	ng/ml

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2020\am28-27 061620\QuantResults\mdq p2.batch.bin
Calibration Last Update 6/17/2020 8:47:01 AM

Instrument	69679	**Data File**	p2 qc100.d
Type	QC	**Sample**	p2 qc100
Acq. Method	am 28 p2.m	**Operator**	Anne Nord
Sample Position	P2-B5	**Comment**	
Injection Volume	2.5		
Acq. Date-Time	6/16/2020 4:16:27 PM		
Sample Info.			

Sample Chromatogram



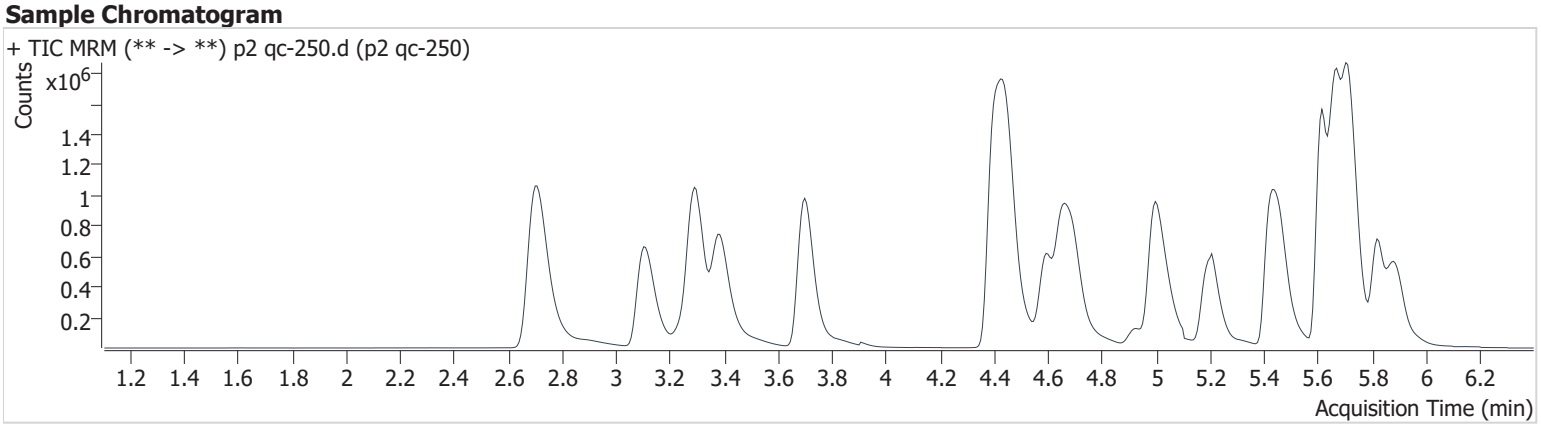
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.	
Amitriptyline	5.712	278603	2732.7	107.9	770.2	124689	100.077	ng/ml
Chlordiazepoxide	5.873	214073	1237.1	57.5	1356.5	301424	103.404	ng/ml
Etizolam	5.817	297154	194909.5	24.9	68829.8	190749	105.034	ng/ml
MDA	3.299	1398514	∞	28.0	1915.4	401928	102.324	ng/ml
MDMA	3.385	779503	2812.7	89.2	73742.4	84517	92.142	ng/ml
Nortriptyline	5.727	298749	11930.9	74.4	2592.6	106758	105.869	ng/ml

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2020\am28-27 061620\QuantResults\mdq p2.batch.bin
Calibration Last Update 6/17/2020 8:47:01 AM

Instrument	69679	**Data File**	p2 qc-250.d
Type	QC	**Sample**	p2 qc-250
Acq. Method	am 28 p2.m	**Operator**	Anne Nord
Sample Position	P2-C5	**Comment**	
Injection Volume	2.5		
Acq. Date-Time	6/16/2020 4:27:15 PM		
Sample Info.			

Sample Chromatogram



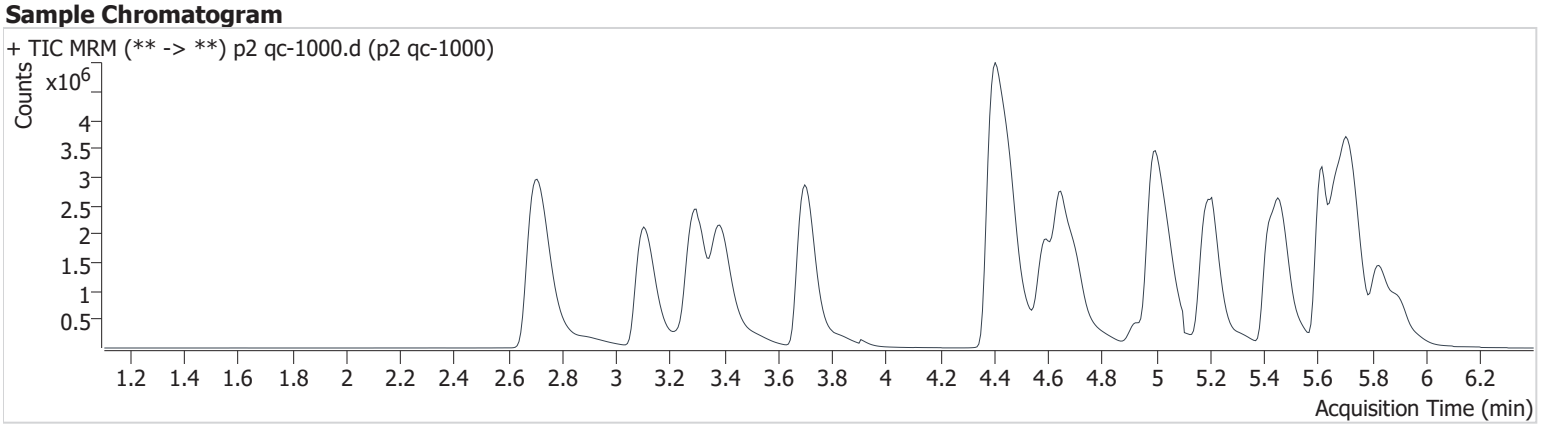
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.	
Amitriptyline	5.712	303845	5718.7	108.7	1716.4	57273	238.223	ng/ml
Chlordiazepoxide	5.866	394441	1651.8	59.9	811.6	247154	234.007	ng/ml
Etizolam	5.817	606933	379683.2	25.4	107241.8	87774	467.858	ng/ml
MDA	3.299	2737553	45100.0	28.0	50539.3	326416	247.655	ng/ml
MDMA	3.385	1628758	10796.2	89.1	2560.8	72261	225.129	ng/ml
Nortriptyline	5.727	318706	15104.1	74.8	3552.5	46879	257.100	ng/ml

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2020\am28-27 061620\QuantResults\mdq p2.batch.bin
Calibration Last Update 6/17/2020 8:47:01 AM

Instrument	69679	**Data File**	p2 qc-1000.d
Type	QC	**Sample**	p2 qc-1000
Acq. Method	am 28 p2.m	**Operator**	Anne Nord
Sample Position	P2-D5	**Comment**	
Injection Volume	2.5		
Acq. Date-Time	6/16/2020 4:38:05 PM		
Sample Info.			

Sample Chromatogram



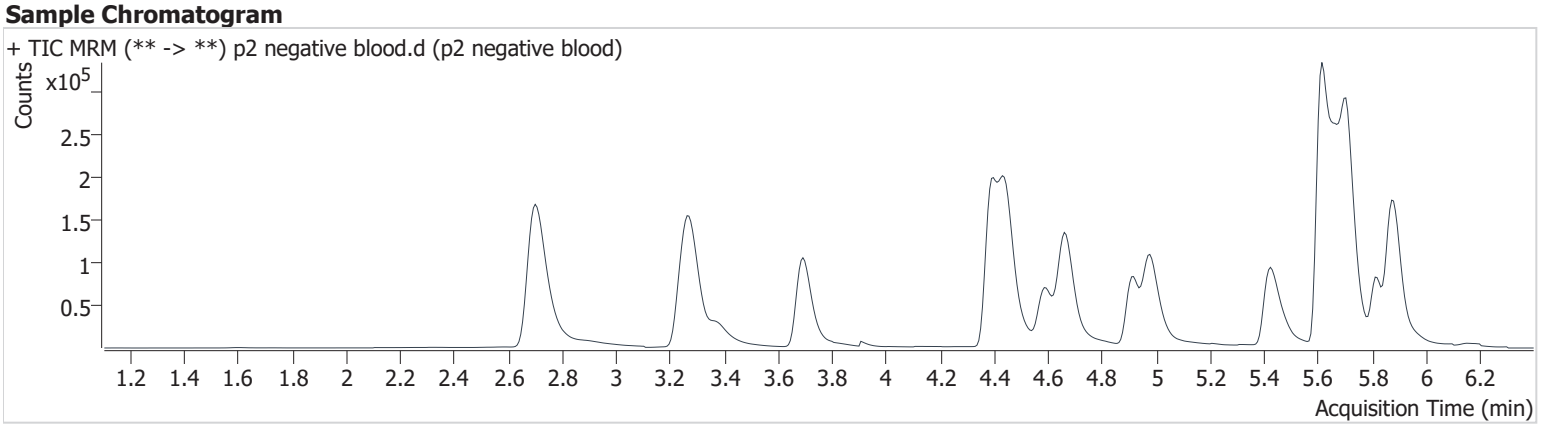
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.	
Amitriptyline	5.712	1004311	31135.5	116.7	1336.4	49330	915.432	ng/ml
Chlordiazepoxide	5.866	662979	25314.0	67.9	6704.5	131400	742.653	ng/ml
Etizolam	5.817	1472203	233733.4	24.8	164262.1	81995	1215.603	ng/ml
MDA	3.299	6610171	49993.7	27.4	4361.7	207405	943.162	ng/ml
MDMA	3.385	5657083	1573.1	90.1	64305.8	61517	918.371	ng/ml
Nortriptyline	5.727	939311	34776.6	75.7	7526.3	34265	1036.468	ng/ml

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2020\am28-27 061620\QuantResults\mdq p2.batch.bin
Calibration Last Update 6/17/2020 8:47:01 AM

Instrument	69679	**Data File**	p2 negative blood.d
Type	Sample	**Sample**	p2 negative blood
Acq. Method	am 28 p2.m	**Operator**	Anne Nord
Sample Position	P2-E5	**Comment**	
Injection Volume	2.5		
Acq. Date-Time	6/16/2020 5:10:19 PM		
Sample Info.			

Sample Chromatogram

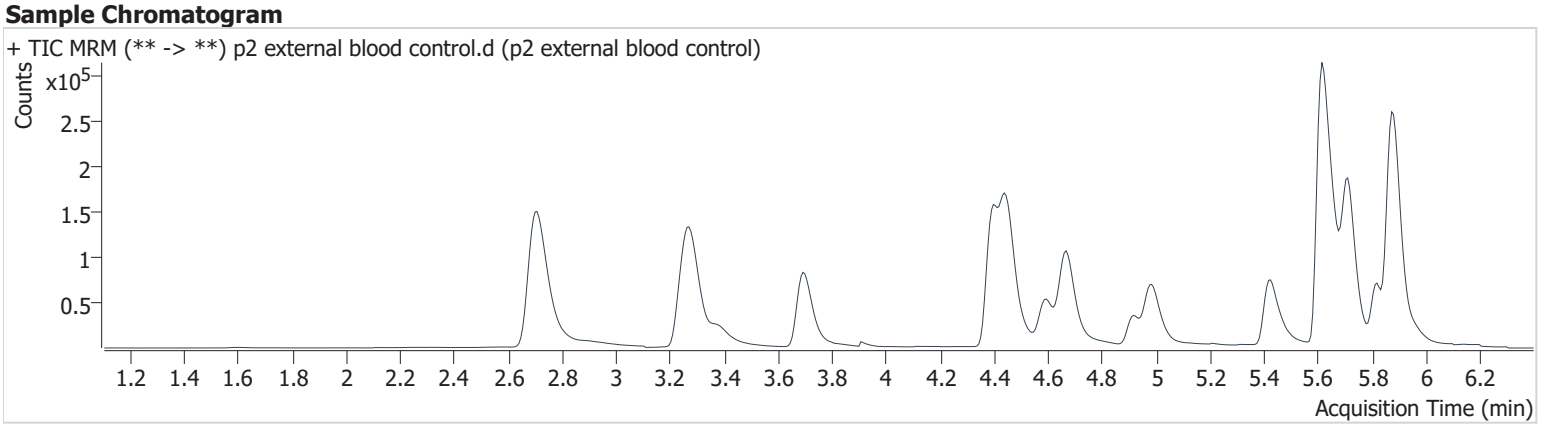


AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2020\am28-27 061620\QuantResults\mdq p2.batch.bin
Calibration Last Update 6/17/2020 8:47:01 AM

Instrument	69679	**Data File**	p2 external blood control.d
Type	Sample	**Sample**	p2 external blood control
Acq. Method	am 28 p2.m	**Operator**	Anne Nord
Sample Position	P2-A6	**Comment**	
Injection Volume	2.5		
Acq. Date-Time	6/16/2020 5:53:33 PM		
Sample Info.			

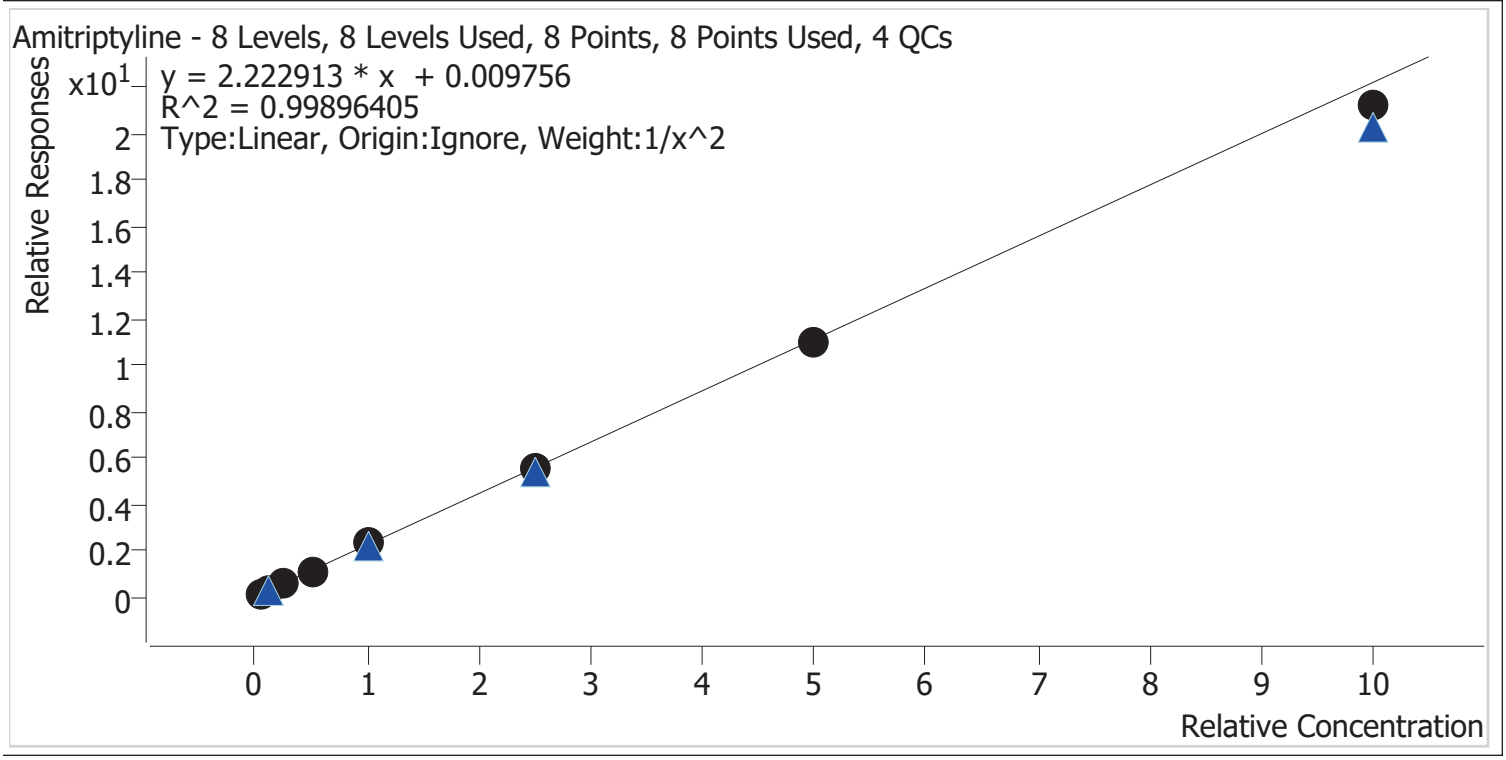
Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.	
Chlordiazepoxide	5.873	268400	3055.5	56.5	3286.9	326396	119.934	ng/ml
Nortriptyline	5.727	37430	747.3	72.8	311.7	14820	95.558	ng/ml

Compound Calibration Report

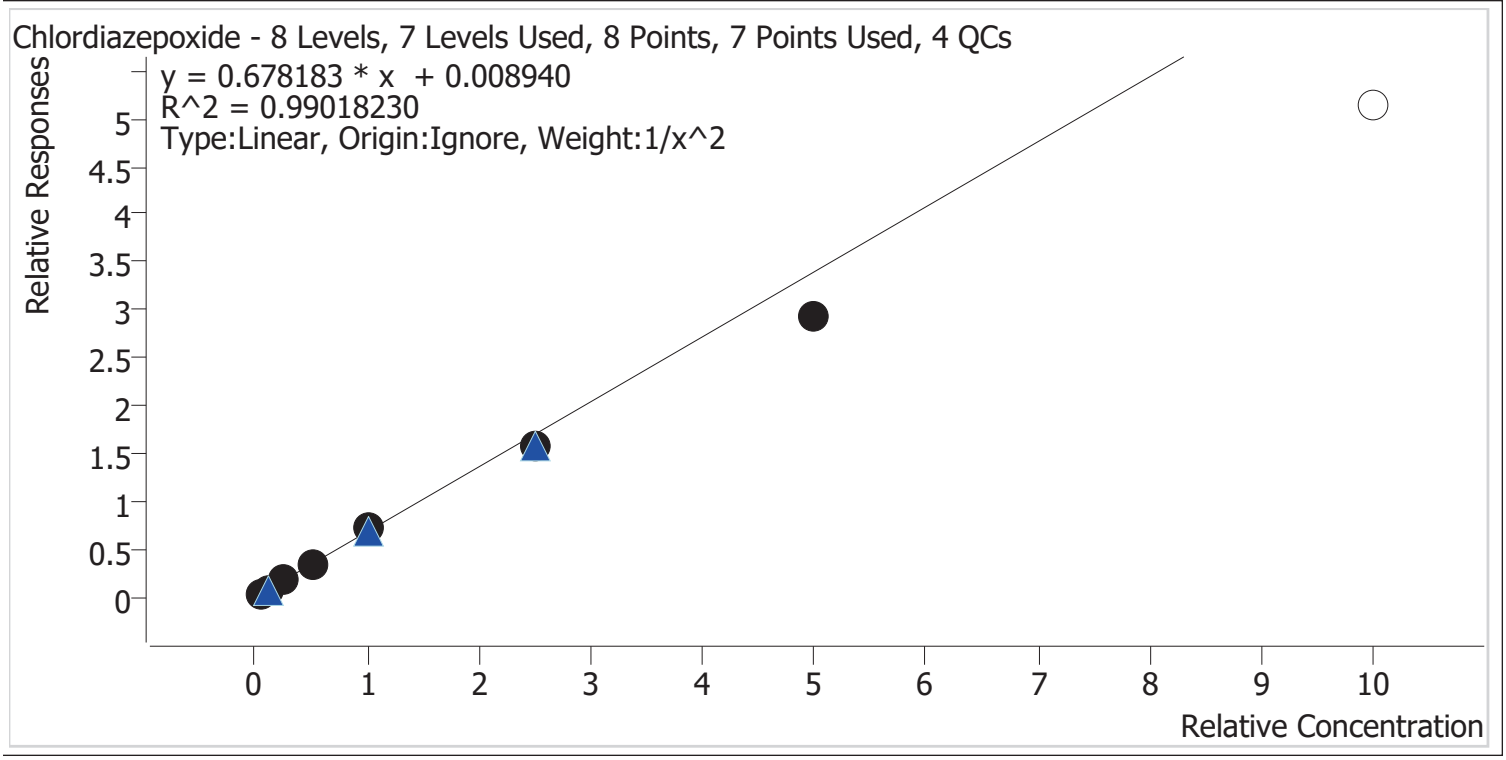
Batch results	D:\MassHunter\Data\2020\am28-27 061620\QuantResults\mdq p2.batch.bin
Last Cal. Update	6/17/2020 8:47 AM
Analyst Name	ISP\datastor
Analyte	Amitriptyline
Internal Standard	Amitriptyline-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p2 cal 1	1	✓	5.0	4.9	98.7
p2 cal 2	2	✓	10.0	10.1	101.2
p2 cal 3	3	✓	25.0	25.6	102.4
p2 cal 4	4	✓	50.0	50.6	101.2
p2 cal 5	5	✓	100.0	104.3	104.3
p2 cal 6	6	✓	250.0	246.3	98.5
p2 cal 7	7	✓	500.0	491.3	98.3
p2 cal 8	8	✓	1000.0	954.7	95.5

Compound Calibration Report

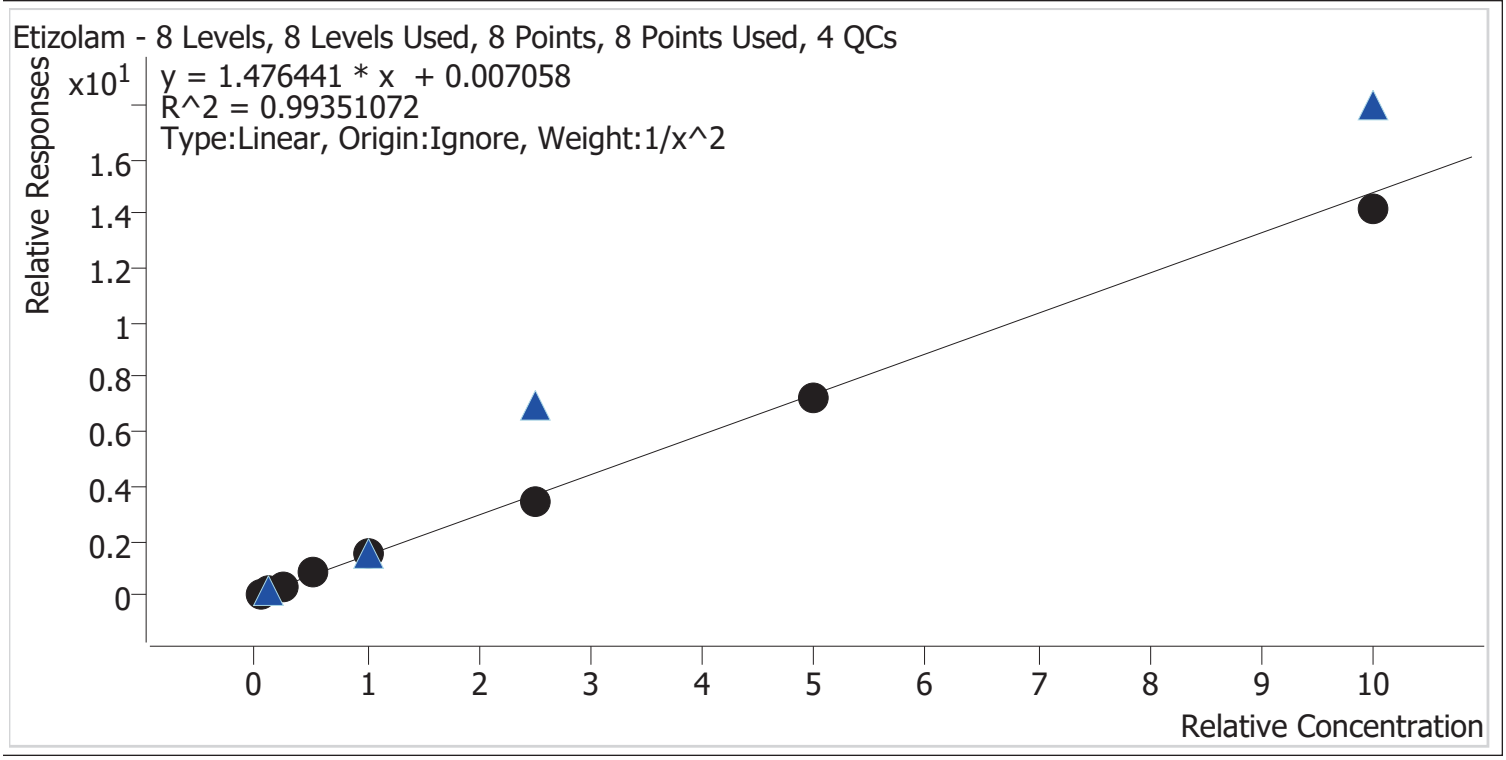
Batch results	D:\MassHunter\Data\2020\am28-27 061620\QuantResults\mdq p2.batch.bin
Last Cal. Update	6/17/2020 8:47 AM
Analyst Name	ISP\datastor
Analyte	Chlordiazepoxide
Internal Standard	Chlordiazepoxide-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p2 cal 1	1	✓	5.0	4.7	94.7
p2 cal 2	2	✓	10.0	10.6	106.0
p2 cal 3	3	✓	25.0	27.2	108.8
p2 cal 4	4	✓	50.0	52.2	104.4
p2 cal 5	5	✓	100.0	106.2	106.2
p2 cal 6	6	✓	250.0	233.7	93.5
p2 cal 7	7	✓	500.0	432.2	86.4
p2 cal 8	8	×	1000.0	755.6	75.6

Compound Calibration Report

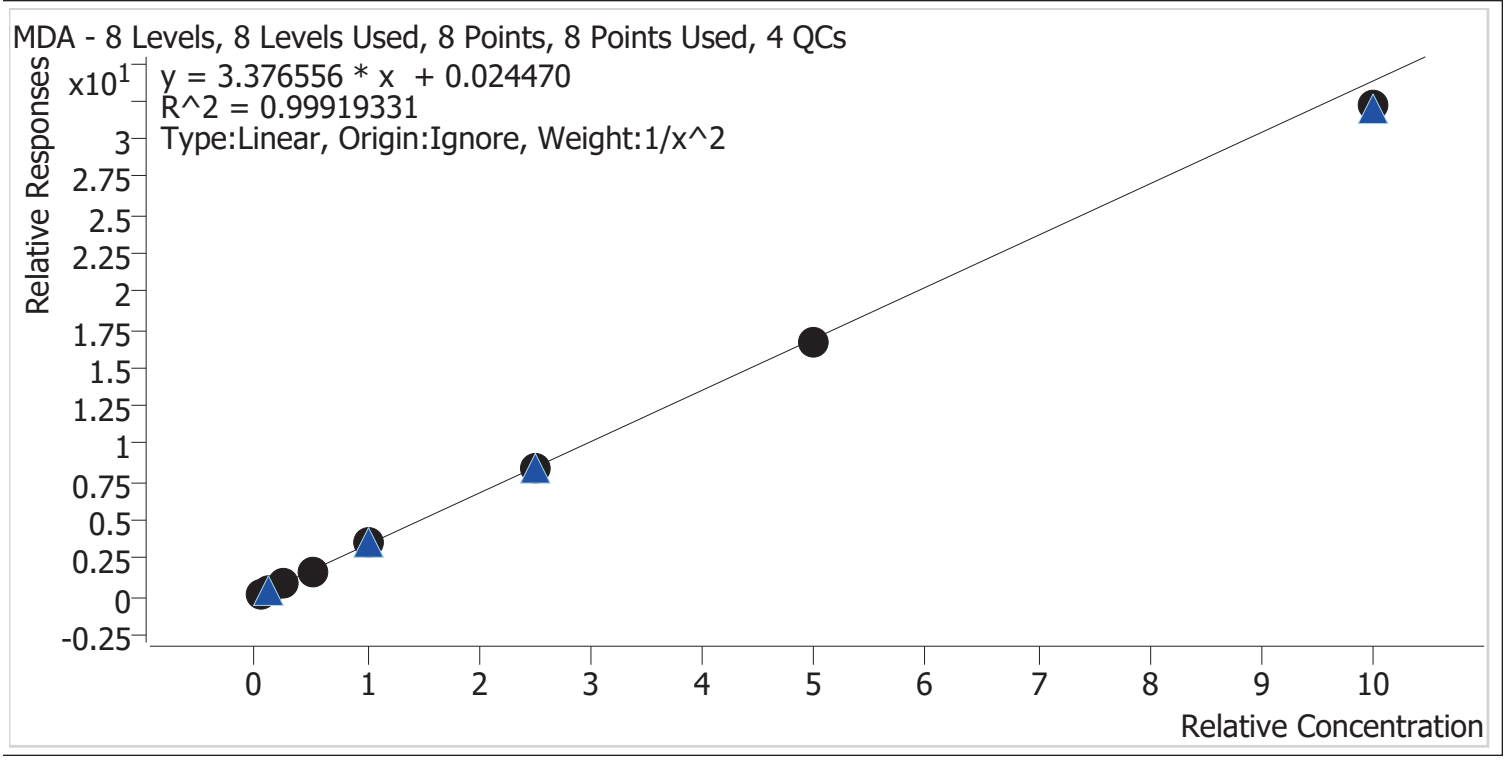
Batch results	D:\MassHunter\Data\2020\am28-27 061620\QuantResults\mdq p2.batch.bin
Last Cal. Update	6/17/2020 8:47 AM
Analyst Name	ISP\datastor
Analyte	Etizolam
Internal Standard	Doxepin-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p2 cal 1	1	✓	5.0	4.8	95.4
p2 cal 2	2	✓	10.0	11.0	110.2
p2 cal 3	3	✓	25.0	23.2	92.8
p2 cal 4	4	✓	50.0	54.5	109.0
p2 cal 5	5	✓	100.0	104.8	104.8
p2 cal 6	6	✓	250.0	232.7	93.1
p2 cal 7	7	✓	500.0	491.8	98.4
p2 cal 8	8	✓	1000.0	964.1	96.4

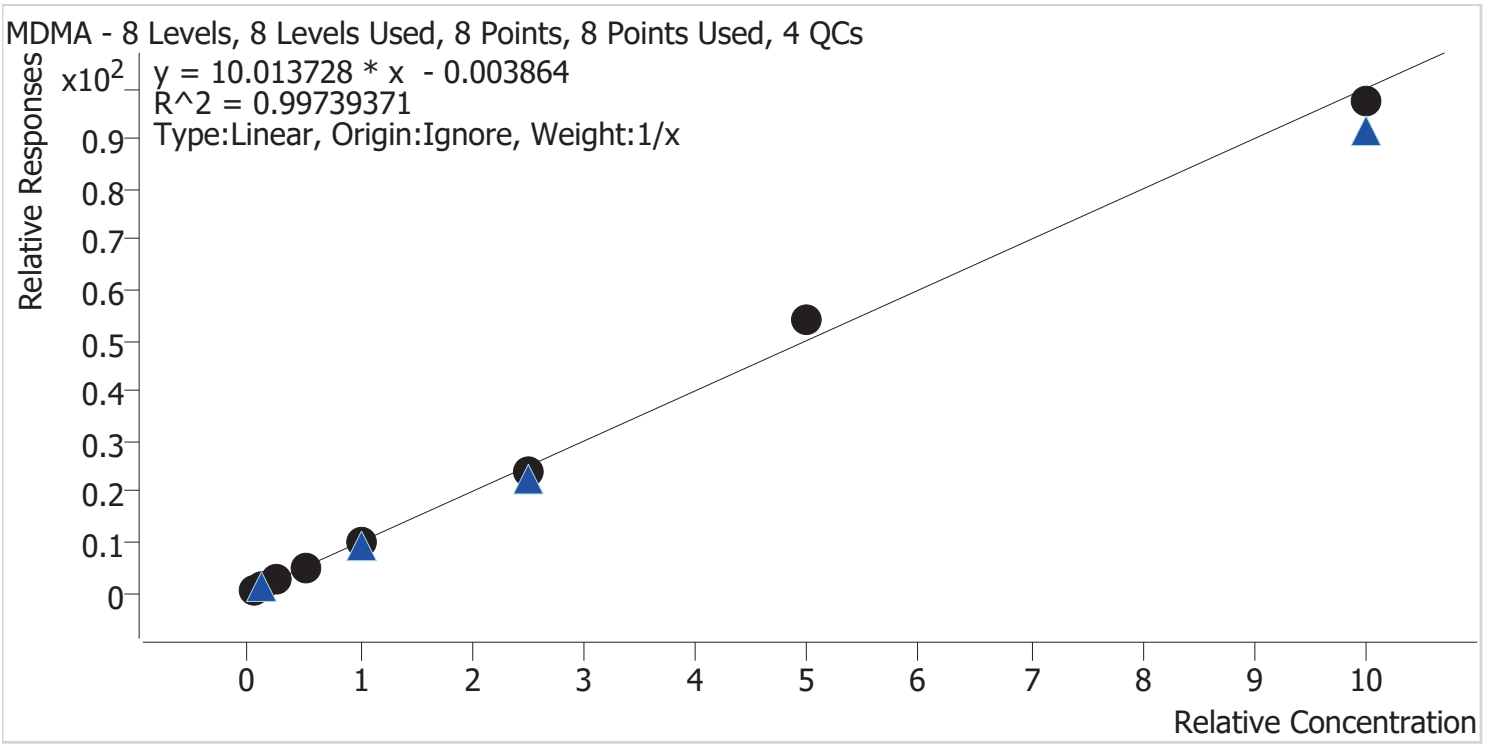
Compound Calibration Report

Batch results	D:\MassHunter\Data\2020\am28-27 061620\QuantResults\mdq p2.batch.bin
Last Cal. Update	6/17/2020 8:47 AM
Analyst Name	ISP\datastor
Analyte	MDA
Internal Standard	MDA-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p2 cal 1	1	✓	5.0	5.0	99.3
p2 cal 2	2	✓	10.0	10.1	100.8
p2 cal 3	3	✓	25.0	25.1	100.4
p2 cal 4	4	✓	50.0	50.2	100.4
p2 cal 5	5	✓	100.0	104.1	104.1
p2 cal 6	6	✓	250.0	251.7	100.7
p2 cal 7	7	✓	500.0	495.5	99.1
p2 cal 8	8	✓	1000.0	952.1	95.2

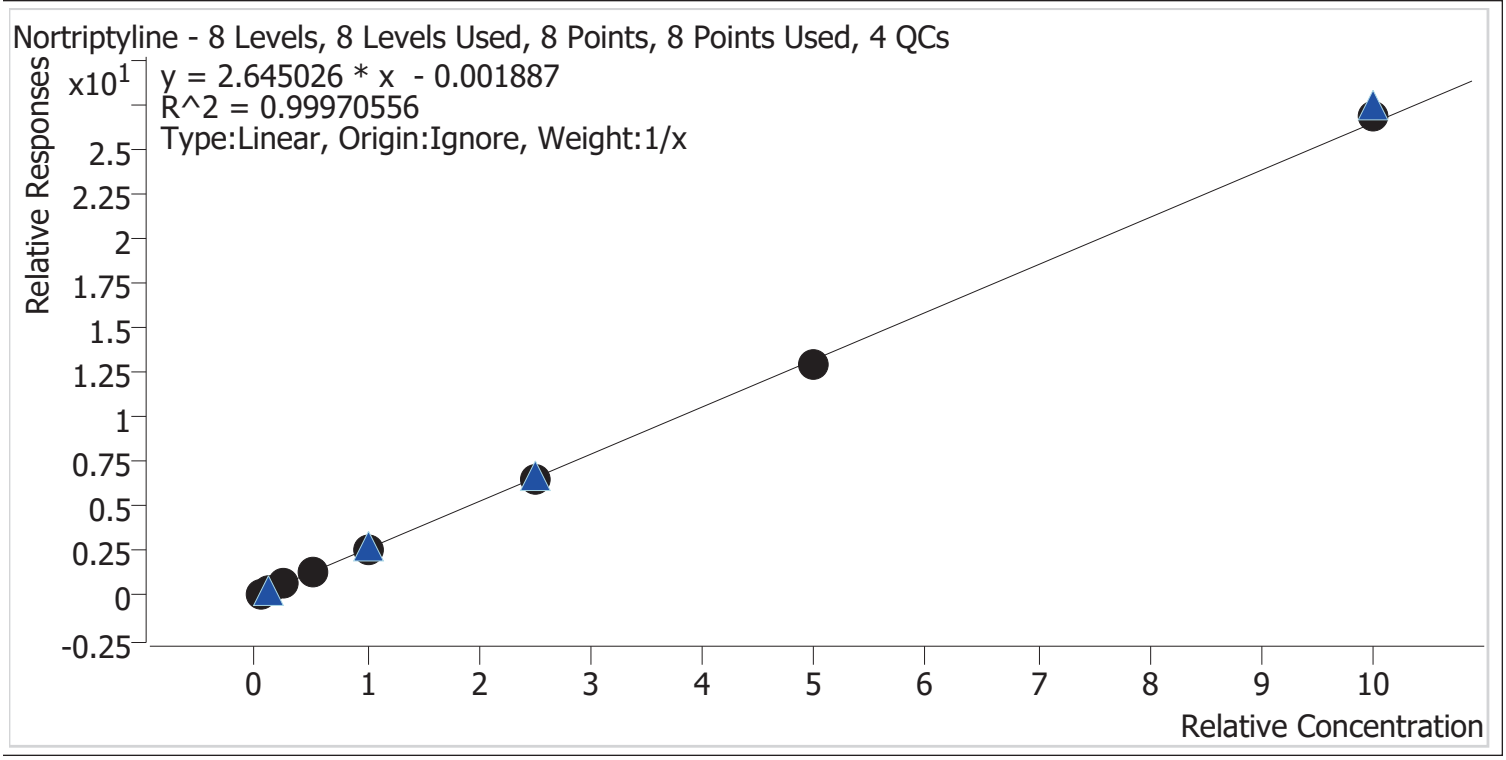
Batch results	D:\MassHunter\Data\2020\am28-27 061620\QuantResults\mdq p2.batch.bin
Last Cal. Update	6/17/2020 8:47 AM
Analyst Name	ISP\datastor
Analyte	MDMA
Internal Standard	MDMA-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p2 cal 1	1	✓	5.0	5.3	106.5
p2 cal 2	2	✓	10.0	10.1	101.2
p2 cal 3	3	✓	25.0	24.3	97.1
p2 cal 4	4	✓	50.0	47.6	95.3
p2 cal 5	5	✓	100.0	98.5	98.5
p2 cal 6	6	✓	250.0	239.9	95.9
p2 cal 7	7	✓	500.0	540.8	108.2
p2 cal 8	8	✓	1000.0	973.4	97.3

Compound Calibration Report

Batch results	D:\MassHunter\Data\2020\am28-27 061620\QuantResults\mdq p2.batch.bin
Last Cal. Update	6/17/2020 8:47 AM
Analyst Name	ISP\datastor
Analyte	Nortriptyline
Internal Standard	Nortriptyline-d3



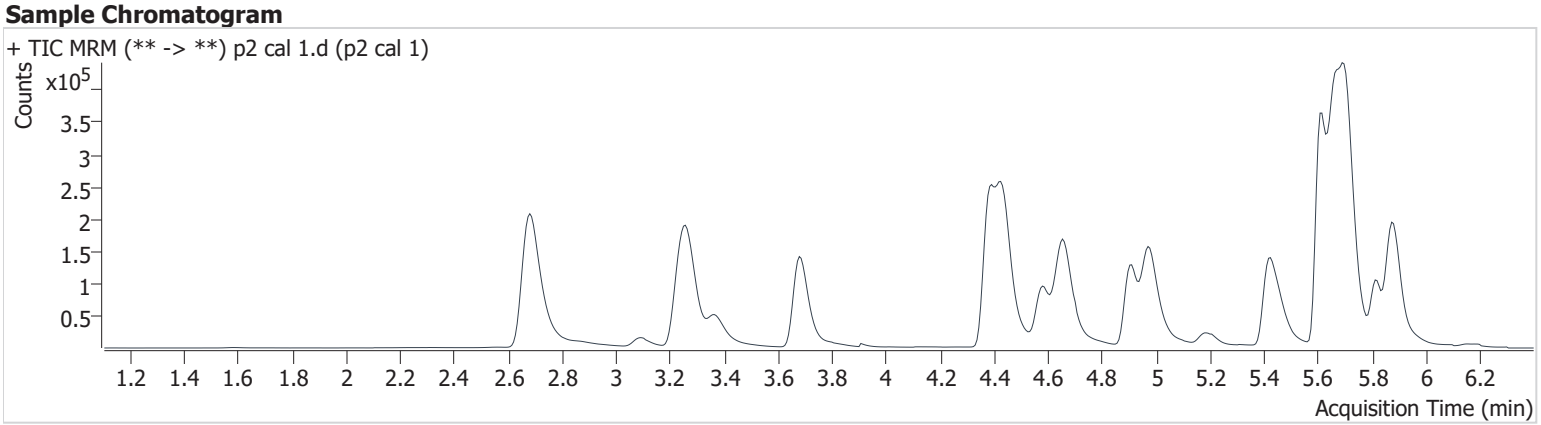
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p2 cal 1	1	✓	5.0	5.3	105.7
p2 cal 2	2	✓	10.0	10.1	100.6
p2 cal 3	3	✓	25.0	24.5	98.0
p2 cal 4	4	✓	50.0	49.0	98.1
p2 cal 5	5	✓	100.0	99.8	99.8
p2 cal 6	6	✓	250.0	245.3	98.1
p2 cal 7	7	✓	500.0	491.0	98.2
p2 cal 8	8	✓	1000.0	1015.0	101.5

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2020\am28-27 061620\QuantResults\mdq p2.batch.bin
Calibration Last Update 6/17/2020 8:47:01 AM

Instrument	69679	**Data File**	p2 cal 1.d
Type	Cal	**Sample**	p2 cal 1
Acq. Method	am 28 p2.m	**Operator**	Anne Nord
Sample Position	P2-A4	**Comment**	
Injection Volume	2.5		
Acq. Date-Time	6/16/2020 2:28:29 PM		
Sample Info.			

Sample Chromatogram



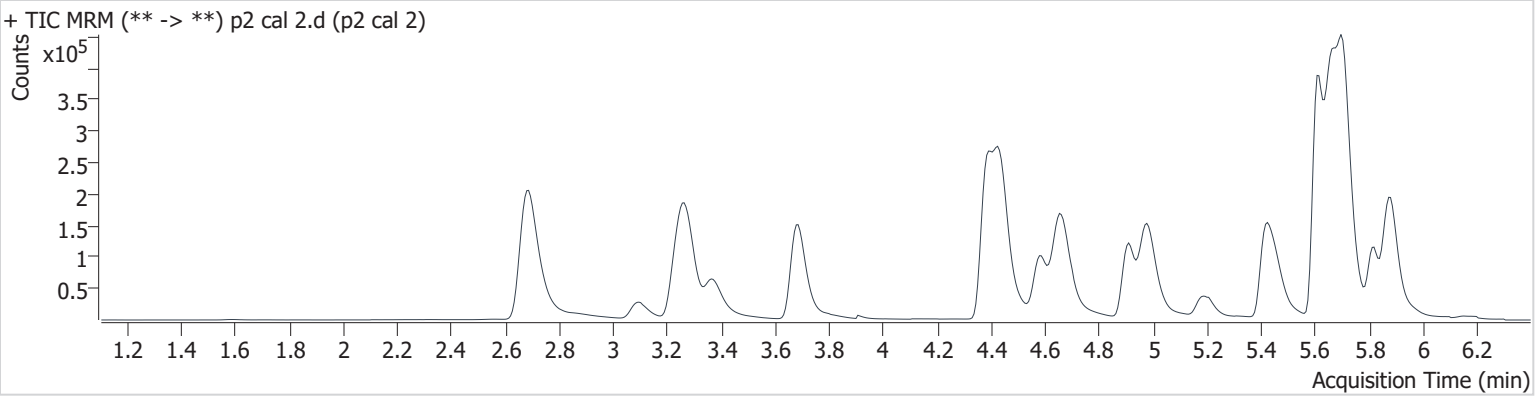
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.	
Amitriptyline	5.705	17103	389.5	107.4	364.9	143216	4.933	ng/ml
Chlordiazepoxide	5.873	14296	232.2	49.8	104.5	348095	4.737	ng/ml
Etizolam	5.810	16054	10213.0	26.0	2461.4	207212	4.769	ng/ml
MDA	3.286	81419	610.2	27.8	503.9	423772	4.965	ng/ml
MDMA	3.371	45481	386.4	89.7	1614.6	85927	5.324	ng/ml
Nortriptyline	5.720	16829	1219.3	72.9	200.1	122020	5.286	ng/ml

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2020\am28-27 061620\QuantResults\mdq p2.batch.bin
Calibration Last Update 6/17/2020 8:47:01 AM

Instrument	69679	**Data File**	p2 cal 2.d
Type	Cal	**Sample**	p2 cal 2
Acq. Method	am 28 p2.m	**Operator**	Anne Nord
Sample Position	P2-B4	**Comment**	
Injection Volume	2.5		
Acq. Date-Time	6/16/2020 2:39:17 PM		
Sample Info.			

Sample Chromatogram



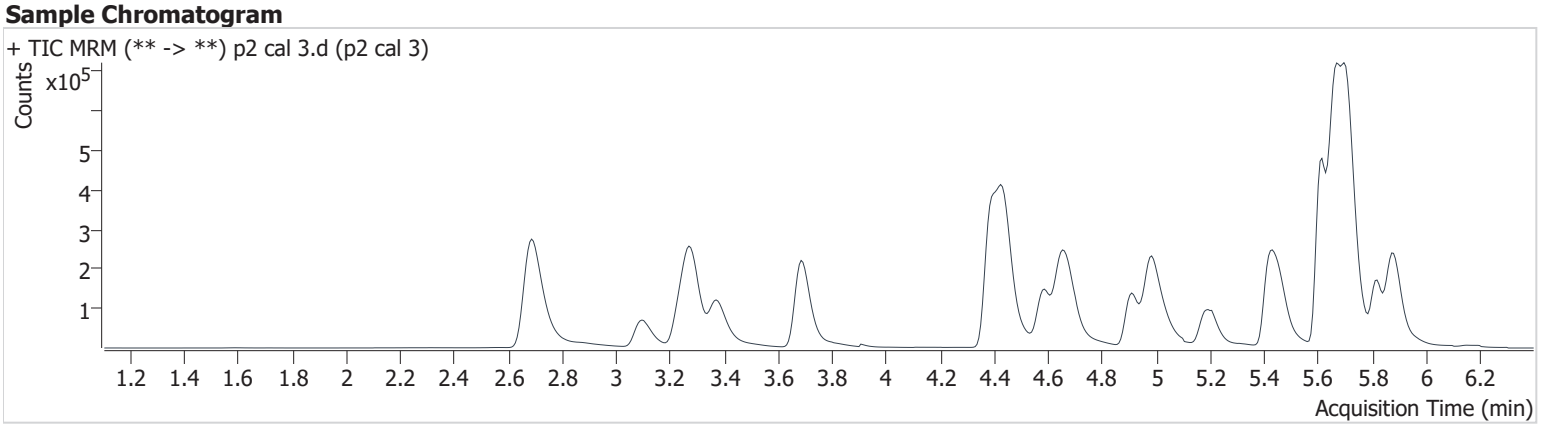
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.	
Amitriptyline	5.705	27695	991.0	106.2	129.9	118010	10.119	ng/ml
Chlordiazepoxide	5.873	25957	742.2	51.7	153.9	321065	10.603	ng/ml
Etizolam	5.810	30524	17508.9	24.6	2925.7	179851	11.017	ng/ml
MDA	3.286	144428	2658.6	28.0	3654.0	395988	10.077	ng/ml
MDMA	3.371	80652	6059.0	89.6	1159.3	79927	10.115	ng/ml
Nortriptyline	5.720	25153	350.3	75.4	274.6	95227	10.058	ng/ml

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2020\am28-27 061620\QuantResults\mdq p2.batch.bin
Calibration Last Update 6/17/2020 8:47:01 AM

Instrument	69679	**Data File**	p2 cal 3.d
Type	Cal	**Sample**	p2 cal 3
Acq. Method	am 28 p2.m	**Operator**	Anne Nord
Sample Position	P2-C4	**Comment**	
Injection Volume	2.5		
Acq. Date-Time	6/16/2020 2:50:06 PM		
Sample Info.			

Sample Chromatogram



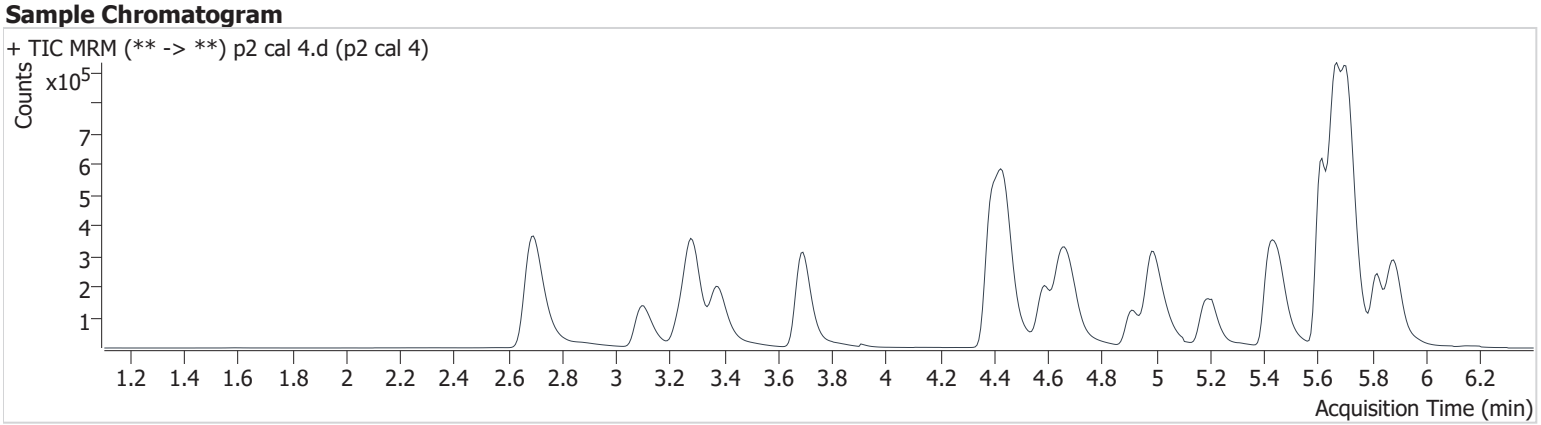
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.	
Amitriptyline	5.705	83543	1535.1	109.3	961.9	144347	25.597	ng/ml
Chlordiazepoxide	5.873	63861	739.1	55.3	382.7	330205	27.199	ng/ml
Etizolam	5.810	72762	61262.5	25.7	10512.5	208132	23.200	ng/ml
MDA	3.286	354701	2387.9	28.1	2619.8	406836	25.096	ng/ml
MDMA	3.378	200671	75378.0	89.7	7834.8	82677	24.277	ng/ml
Nortriptyline	5.720	79508	5056.2	74.1	878.7	123076	24.495	ng/ml

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2020\am28-27 061620\QuantResults\mdq p2.batch.bin
Calibration Last Update 6/17/2020 8:47:01 AM

Instrument	69679	**Data File**	p2 cal 4.d
Type	Cal	**Sample**	p2 cal 4
Acq. Method	am 28 p2.m	**Operator**	Anne Nord
Sample Position	P2-D4	**Comment**	
Injection Volume	2.5		
Acq. Date-Time	6/16/2020 3:00:55 PM		
Sample Info.			

Sample Chromatogram



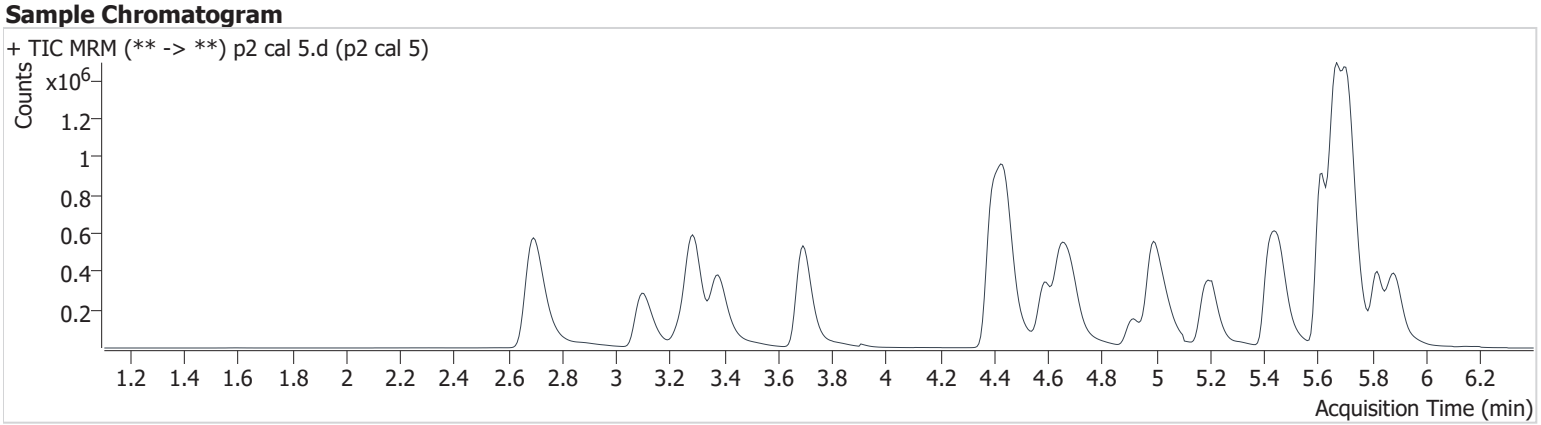
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.	
Amitriptyline	5.705	136168	1560.8	107.9	1548.2	120063	50.581	ng/ml
Chlordiazepoxide	5.873	114219	1540.6	57.6	550.8	314756	52.190	ng/ml
Etizolam	5.817	139385	131710.3	25.1	50644.9	171710	54.502	ng/ml
MDA	3.286	668367	5463.7	28.0	2774.2	388563	50.218	ng/ml
MDMA	3.378	380730	72061.9	89.0	1400.3	79879	47.636	ng/ml
Nortriptyline	5.727	131550	168384.3	74.5	549.6	101562	49.042	ng/ml

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2020\am28-27 061620\QuantResults\mdq p2.batch.bin
Calibration Last Update 6/17/2020 8:47:01 AM

Instrument	69679	**Data File**	p2 cal 5.d
Type	Cal	**Sample**	p2 cal 5
Acq. Method	am 28 p2.m	**Operator**	Anne Nord
Sample Position	P2-E4	**Comment**	
Injection Volume	2.5		
Acq. Date-Time	6/16/2020 3:11:44 PM		
Sample Info.			

Sample Chromatogram



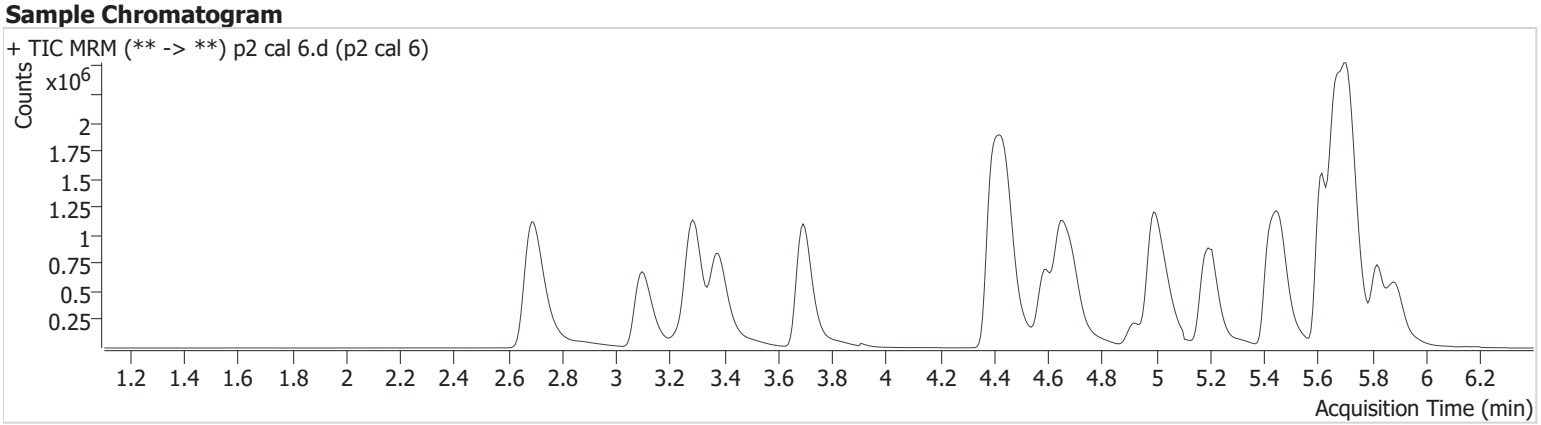
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.	
Amitriptyline	5.705	278875	1125.4	109.0	1086.4	119746	104.329	ng/ml
Chlordiazepoxide	5.873	212752	7355.0	57.4	1343.3	291892	106.156	ng/ml
Etizolam	5.810	273524	76686.9	25.2	45694.8	175969	104.801	ng/ml
MDA	3.293	1346471	16109.8	28.0	18668.5	380356	104.117	ng/ml
MDMA	3.378	779869	46996.2	89.7	36897.0	79075	98.527	ng/ml
Nortriptyline	5.727	265648	1630.8	75.3	1069.2	100664	99.842	ng/ml

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2020\am28-27 061620\QuantResults\mdq p2.batch.bin
Calibration Last Update 6/17/2020 8:47:01 AM

Instrument	69679	**Data File**	p2 cal 6.d
Type	Cal	**Sample**	p2 cal 6
Acq. Method	am 28 p2.m	**Operator**	Anne Nord
Sample Position	P2-F4	**Comment**	
Injection Volume	2.5		
Acq. Date-Time	6/16/2020 3:22:31 PM		
Sample Info.			

Sample Chromatogram



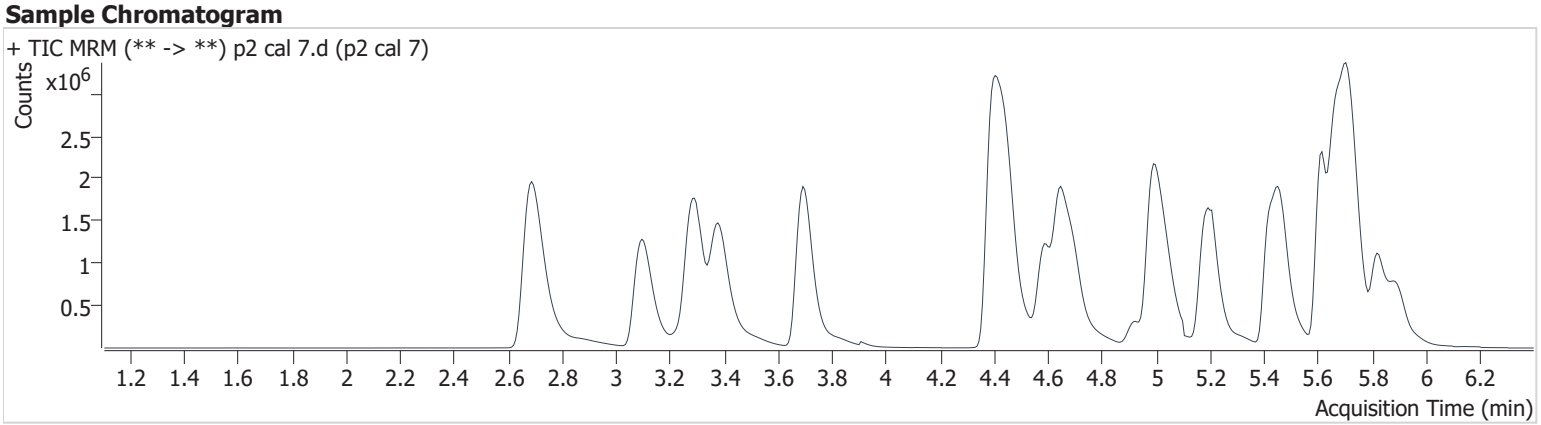
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.	
Amitriptyline	5.712	609996	59795.9	112.4	3942.0	111199	246.338	ng/ml
Chlordiazepoxide	5.866	385182	63236.9	61.0	4138.0	241718	233.650	ng/ml
Etizolam	5.817	584258	8159.7	25.2	85966.2	169741	232.655	ng/ml
MDA	3.293	2997386	2832.2	27.7	7413.5	351692	251.685	ng/ml
MDMA	3.378	1862813	79639.4	89.4	15248.2	77570	239.856	ng/ml
Nortriptyline	5.727	573558	30432.5	73.6	7054.4	88436	245.269	ng/ml

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2020\am28-27 061620\QuantResults\mdq p2.batch.bin
Calibration Last Update 6/17/2020 8:47:01 AM

Instrument	69679	**Data File**	p2 cal 7.d
Type	Cal	**Sample**	p2 cal 7
Acq. Method	am 28 p2.m	**Operator**	Anne Nord
Sample Position	P2-G4	**Comment**	
Injection Volume	2.5		
Acq. Date-Time	6/16/2020 3:33:19 PM		
Sample Info.			

Sample Chromatogram



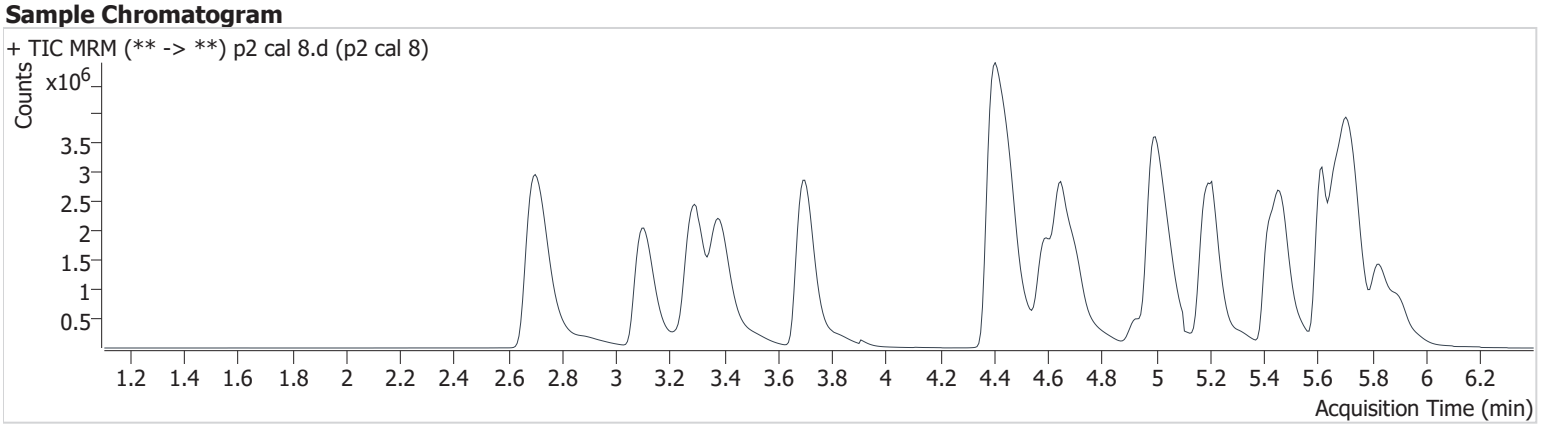
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.	
Amitriptyline	5.712	929910	1268.4	112.3	1392.5	85070	491.311	ng/ml
Chlordiazepoxide	5.866	543395	12030.7	62.7	13158.6	184836	432.174	ng/ml
Etizolam	5.817	972600	54731.3	24.8	117616.5	133803	491.847	ng/ml
MDA	3.293	4657074	75412.9	27.7	64352.4	277941	495.510	ng/ml
MDMA	3.378	3546311	71542.2	89.0	63778.0	65488	540.819	ng/ml
Nortriptyline	5.727	844765	21716.8	75.0	10513.7	65054	491.013	ng/ml

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2020\am28-27 061620\QuantResults\mdq p2.batch.bin
Calibration Last Update 6/17/2020 8:47:01 AM

Instrument	69679	**Data File**	p2 cal 8.d
Type	Cal	**Sample**	p2 cal 8
Acq. Method	am 28 p2.m	**Operator**	Anne Nord
Sample Position	P2-H4	**Comment**	
Injection Volume	2.5		
Acq. Date-Time	6/16/2020 3:44:06 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.	
Amitriptyline	5.712	1257078	567.1	118.3	1612.8	59207	954.695	ng/ml
Chlordiazepoxide	5.866	654318	14484.5	67.4	8444.4	127459	755.641	ng/ml
Etizolam	5.817	1403153	730548.0	24.7	106390.3	98531	964.051	ng/ml
MDA	3.299	6636890	10991.7	27.3	34305.7	206292	952.091	ng/ml
MDMA	3.378	5911222	204803.5	89.4	97154.7	60644	973.445	ng/ml
Nortriptyline	5.733	1038767	2368.7	73.8	1323.6	38695	1014.996	ng/ml