6/24/2020

REVIEWED
By Brittany Wylie at 5:29 pm, Jun 29, 2020

Worklist: 4317

LAB_CASE	ITEM	ITEM_TYPE	DESCRIPTION
C2020-0958	2	UCK	AM 25/AM 26 Urine MultiDrug/THC Screen by LC-QQQ
C2020-1050	3	UCK	AM 25/AM 26 Urine MultiDrug/THC Screen by LC-QQQ
C2020-1090	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
C2020-1098	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
C2020-1102	2	UCK	AM 25/AM 26 Urine MultiDrug/THC Screen by LC-QQQ
C2020-1104	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
C2020-1110	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
C2020-1118	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
C2020-1122	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
C2020-1127	1	UCK	AM 25/AM 26 Urine MultiDrug/THC Screen by LC-QQQ
C2020-1132	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
C2020-1134	4	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
C2020-1153	4	UCK	AM 25/AM 26 Urine MultiDrug/THC Screen by LC-QQQ
C2020-1172	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
C2020-1181	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ

AM# 25: Multi-Drug Screen in Blood and Urine by LC-MS/MS

Extraction Date: 6/23/20 Analyst: Anne Nord
Plate lot#: 200511 Plate Expiration: 11/11/2020

Mobile phase A: 10mM Amm Form 0.5M Ammonium Hydroxide **Mobile phase B:** 0.1% Formic Acid in MeOH Ethyl Acetate LC Methanol
Blank Blood Lot: 20A52255 **Blank Urine lot:** 6920 **Column**: Phenomenex Phenyl Hexyl (4.6x50mm, 2.6um)
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.

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 five minutes ambient temperature.
Pipette **250 µL blood (calibrated pipette)** or 250 ul urine in wells of analytical (standards) plate. **Pipette ID: 1926134**
☒ 3. Place on shaking incubator at ambient temp., 900 rpm for 15 minutes.
☒ 4. Pipette **250 µL of 0.5 M ammonium hydroxide** in wells of analytical plate.
☒ 5. Place on shaking incubator at ambient temp., 900 rpm for 15 minutes.
☒ 6. Transfer **300 µL of blood or 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 **900 µL ethyl acetate.**
☒ 10. Wait 5 minutes.
☒ 11. Apply positive pressure for approx. 10-15 seconds. ***(12-15 PSI- Selector to the left).***
☒ 12. Add **900 µL ethyl acetate.**
☒ 13. Wait 5 minutes.
☒ 14. Apply positive pressure for approx. 10-15 seconds. ***(12-15 PSI- Selector to the left).***
☒ 15. Remove plate containing eluate. **Urine samples add 50 ul 1% HCl in MeOH** Place on SPE Dry and evaporate to dryness at approx. 35°C.
SPE Dry ID: 66819
☒ 16. Reconstitute in **100 µL 20% LC MeOH** in LC Water and heat seal plate with foil. Place in autosampler and run worklist.

Post-Analytic

☒ 1. Open quantitation software and create a new quantitation batch.
☒ 2. Make necessary changes to integration limits
☒ 3. Evaluate samples, S/N of primary transition >5 and S/N of secondary transition >3 or evaluation of peak symmetry and resolution. Within +/- 2% or 0.1 min RT of administrative control. Calculated concentration 5 or greater or 2-5 for discretionary range.
☒ 4. Did all QCs pass for each analyte? (If no is it described in comments?)
☒ 5. Central File Packet to include: LIMS Worklist, Method Checklist, Calibration and Control Reports

COMMENTS:
Originally ran samples 6/24/20 due to interference with methamphetamine, the samples were not evaluated. Mobile phases and needle rinse were changed samples were run on 6/25/20 and evaluated.

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

8/1/20

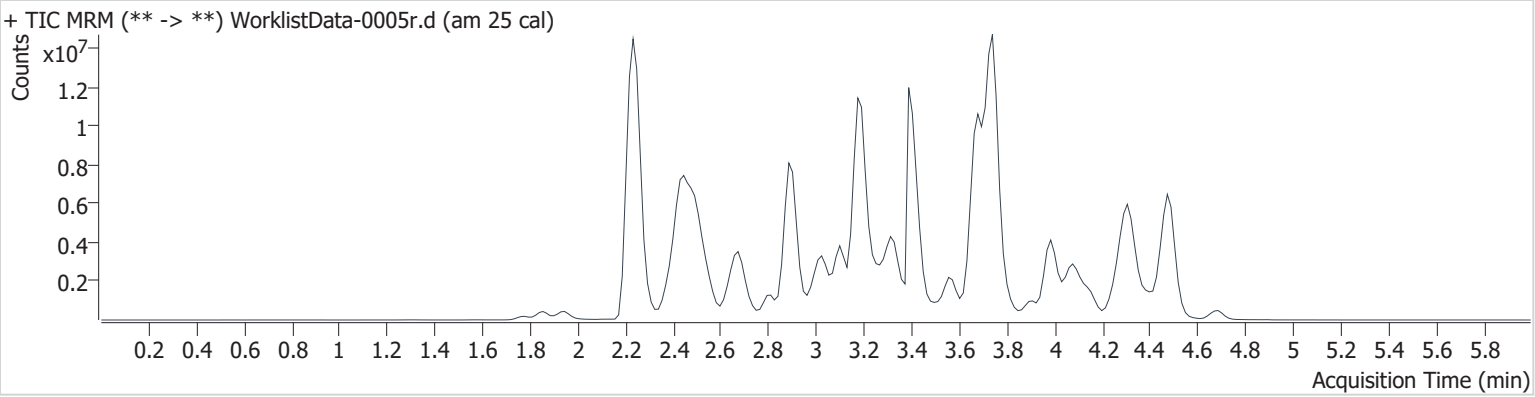
ok to use until ~~11/6/20~~ (evaluating doxylamine, nortriptyline, and cholordiazepoxide)

AM #25 Multi-Drug Screen Results

Batch results D:\MassHunter\Data\2020 Data\am 25-26 6-25-20\QuantResults\mds.batch.bin
Calibration Last Update 6/29/2020 10:50:12 AM

Instrument	69679	**Data File**	WorklistData-0005r.d
Type	Cal	**Sample**	am 25 cal
Acq. Method	MDS 5-27-20.m	**Operator**	Anne Nord
Sample Position	P1-B1	**Comment**	
Injection Volume	2.5		
Acq. Date-Time	6/25/2020 9:59:43 AM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
6-MAM	2.413	34142	26502.5	27800.4	1114909	10.000
7-aminoclonazepam	3.271	982578	1582.7	4266.1	4205777	10.000
7-aminoflunitrazepam	3.499	1549179	294.9	1502.3	4205777	10.000
Acetyl Fentanyl	3.404	118523	53.9	230.8	20140506	10.000
Acetyl Norfentanyl	2.437	200462	516.0	261.5	20140506	10.000
a-hydroxyalprazolam	4.308	195967	689.3	51180.7	4205777	10.000
alpha-hydroxymidazolam	4.276	1214063	333.2	1318.0	4205777	10.000
alpha-PVP	3.109	2940936	686.3	600.3	5907217	10.000
Alprazolam	4.433	1737935	561.5	1585.8	16154582	10.000
Amitriptyline	4.100	460436	104.6	674.2	1987474	10.000
Amphetamine	2.427	2056474	2894.1	539.0	5907217	10.000
Benzoylecgonine	3.041	598303	470.0	63.9	261683	10.000
Buprenorphine	3.722	128360	400.4	11306.7	541478	10.000
Bupropion	3.337	2366219	659.7	726.1	8579422	10.000
Carbamazepine	4.011	5612224	∞	2019.8	376484	10.000
Carisoprodol	3.994	1126823	777.4	210.7	5993528	10.000
Chlordiazepoxide	4.358	643584	492.3	2866.6	16154582	10.000
Chlorpheniramine	3.593	8636	61.6	∞	28036853	10.000
Citalopram	3.741	1277972	353.5	2572.8	28036853	10.000
Clonazepam	4.263	1392416	1852.6	1884.7	16154582	10.000
Cocaine	3.176	3870098	11037.5	1244.3	24183270	10.000
Codeine	2.296	249520	212.1	713.2	6519898	10.000
Cyclobenzaprine	4.039	728088	607.9	138.4	1987474	10.000
Desipramine	4.071	1066294	744.8	543.9	1987474	10.000
Dextromethorphan	3.716	770557	723.0	5699.6	3843101	10.000
Dextrorphan	2.982	1950539	2155.3	1551.0	3843101	10.000
Diazepam	4.695	967849	∞	1422.1	16154582	10.000
Dihydrocodeine	2.265	613332	1750.5	588.2	6519898	10.000
Diphenhydramine	3.687	4251597	2581.9	1826.3	28036853	10.000
Doxepin	3.806	666085	442.8	115.7	4811715	10.000
Doxylamine	3.195	6366219	1992.6	4646646.2	3843101	10.000
EDDP	3.746	2771667	83682.7	649619.7	1644891	10.000
Estazolam	4.343	3787616	1024.2	467.1	16154582	10.000

AM #25 Multi-Drug Screen Results

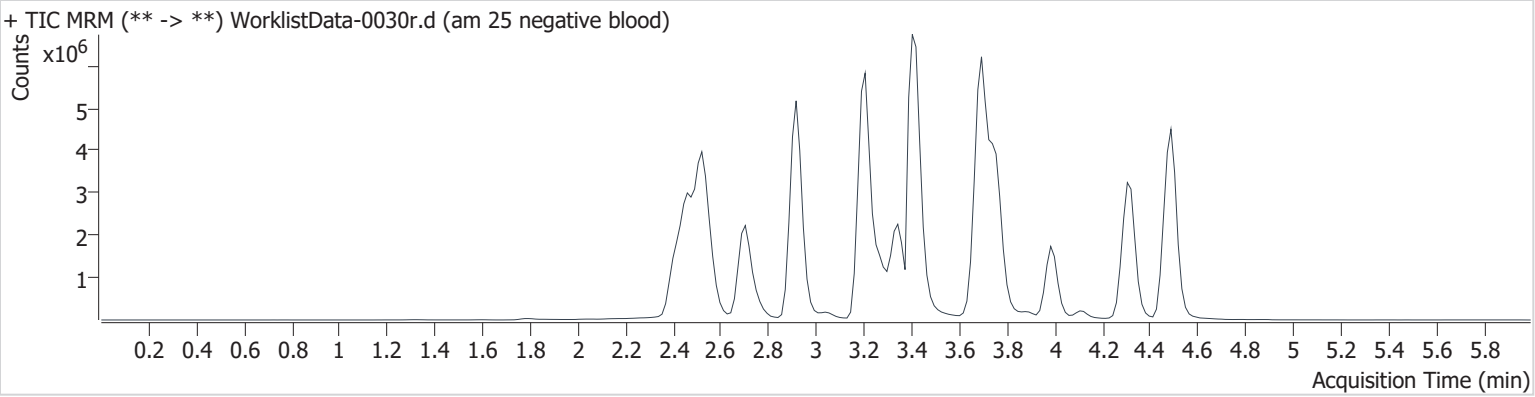
Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
Etizolam	4.458	157999	221.4	119554.9	16154582	10.000
Fentanyl	3.648	77418	65.1	26787.8	4329794	10.000
Flunitrazepam	4.386	2315623	1442.7	386834.4	16154582	10.000
Fluoxetine	4.034	680031	549.0	95.2	1632217	10.000
Flurazepam	3.769	1560712	4742.2	263.9	16154582	10.000
Hydrocodone	2.493	1049070	517.1	189.9	6519898	10.000
Hydromorphone	1.951	805517	611.9	356.6	122799	10.000
Imipramine	4.068	1485532	1137.5	736.8	1987474	10.000
Ketamine	2.908	2248834	1382.6	83.6	9342068	10.000
Lamotrigine	3.105	211103	337.6	168.7	28036853	10.000
Levamisole	2.452	2197877	1107.8	341.1	24183270	10.000
Lorazepam	4.232	376961	495.5	∞	16154582	10.000
Maprotiline	4.100	311267	38.1	301.6	1987474	10.000
MDA	2.560	2152106	479.2	329.3	8366886	10.000
MDEA	2.819	3022815	982.6	473.0	8366886	10.000
MDMA	2.651	3510104	15870.6	785.1	8366886	10.000
Meperidine	3.197	1634107	450.3	255.3	3843101	10.000
Meprobamate	3.370	754488	141.9	311.4	5993528	10.000
Methadone	4.080	2265974	1412145.3	1845.3	1644891	10.000
Methamphetamine	2.532	2502104	249.3	235.6	8366886	10.000
Methocarbamol	3.275	289476	349.3	161.8	1644891	10.000
Methylphenidate	3.108	6818970	833.2	303.7	9641551	10.000
Metoprolol	3.043	396051	528.3	1959.1	3843101	10.000
Midazolam	4.078	297012	900.0	69190.5	16154582	10.000
Mirtazapine	3.288	1103660	992.4	4879.2	3843101	10.000
Mitragynine	3.799	81739	25339.9	57321.8	3843101	10.000
Morphine	1.786	161216	∞	317.9	122799	10.000
Norbuprenorphine	3.478	23870	17311.0	18.4	541478	10.000
Nordiazepam	4.514	965149	1038.7	317.3	16154582	10.000
Norfentanyl	2.909	3892347	2259.2	1132.9	20140506	10.000
Norhydrocodone	2.494	53730	75.3	289.0	122799	10.000
Normeperidine	3.215	1389764	570.5	∞	28036853	10.000
Noroxycodone	2.447	857263	144.5	189.8	9342068	10.000
Nortriptyline	4.117	442700	126496.3	125.6	1987474	10.000
O-desmethyl-tramadol	2.466	4934645	3947.5	415.4	28036853	10.000
Olanzapine	2.704	45722	36.1	13.2	376484	10.000
Oxazepam	4.313	1770825	489.2	∞	11606245	10.000
Oxycodone	2.445	2060299	1114.3	1158.1	9342068	10.000
Oxymorphone	1.858	1085743	1165.0	662.9	122799	10.000
Paroxetine	4.047	98451	144.5	38222.8	1632217	10.000
Phenazepam	4.473	2111292	2072.3	626872.5	16154582	10.000
Phencyclidine	3.566	3002831	876.9	1265.9	3843101	10.000
Phentermine	2.700	719719	428.2	27.8	9641551	10.000
Phenytoin	3.903	765899	2985.5	213.1	376484	10.000
Promethazine	3.975	1536978	964.0	163.8	28036853	10.000
Pseudoephedrine	2.243	46355766	3785.6	5441.9	8366886	10.000
Quetiapine	3.907	1072559	726.0	1414.8	12462138	10.000
Sertraline	4.265	321382	189045.2	172.5	1632217	10.000
Sufentanil	3.922	54366	353.0	31.4	20140506	10.000
Tapentadol	3.048	3117768	1152.3	878.0	9342068	10.000
Temazepam	4.495	2888953	1954.6	192.4	16154582	10.000
Tramadol	3.013	7088205	2394.4	72.7	28036853	10.000
Trazodone	3.724	1358340	680.5	∞	4811715	10.000
Venlafaxine	3.424	4050306	981.8	472.2	1632217	10.000
Zaleplon	4.143	1902306	776.8	625.1	12462138	10.000
Zolpidem	3.406	3503688	32.6	34.6	12462138	10.000
Zopiclone	3.341	424020	216.6	355.0	2063992	10.000

AM #25 Multi-Drug Screen Results

Batch results D:\MassHunter\Data\2020 Data\am 25-26 6-25-20\QuantResults\mds.batch.bin
Calibration Last Update 6/29/2020 10:50:12 AM

Instrument	69679	**Data File**	WorklistData-0030r.d
Type	Sample	**Sample**	am 25 negative blood
Acq. Method	MDS 5-27-20.m	**Operator**	Anne Nord
Sample Position	P1-D4	**Comment**	
Injection Volume	2.5		
Acq. Date-Time	6/25/2020 10:13:06 AM		
Sample Info.			

Sample Chromatogram

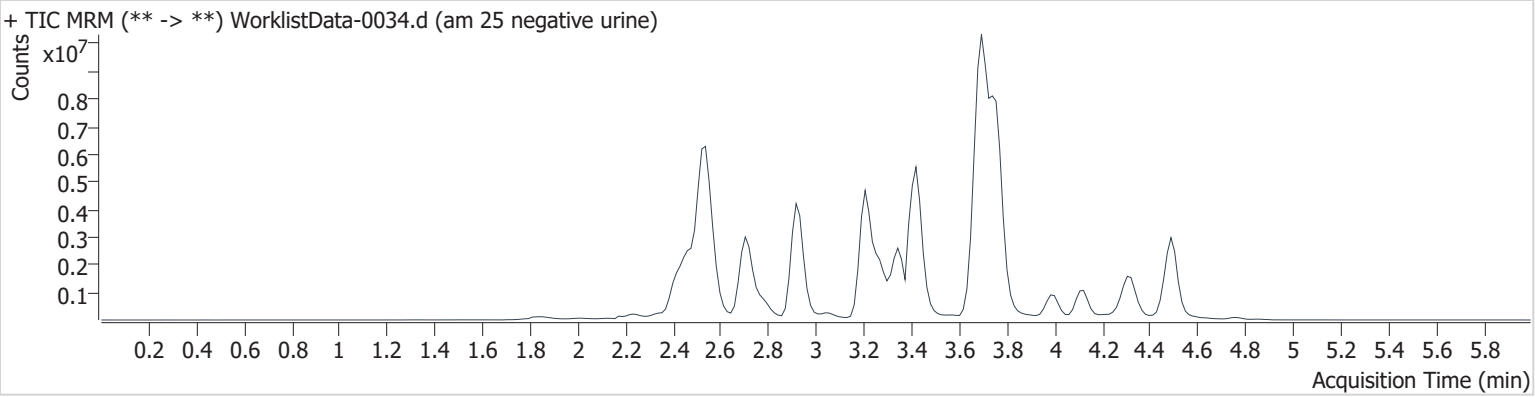


AM #25 Multi-Drug Screen Results

Batch results D:\MassHunter\Data\2020 Data\am 25-26 6-25-20\QuantResults\mds.batch.bin
Calibration Last Update 6/29/2020 10:50:12 AM

Instrument	69679	**Data File**	WorklistData-0034.d
Type	Sample	**Sample**	am 25 negative urine
Acq. Method	MDS 5-27-20.m	**Operator**	Anne Nord
Sample Position	P1-H4	**Comment**	
Injection Volume	2.5		
Acq. Date-Time	6/25/2020 11:13:24 AM		
Sample Info.			

Sample Chromatogram



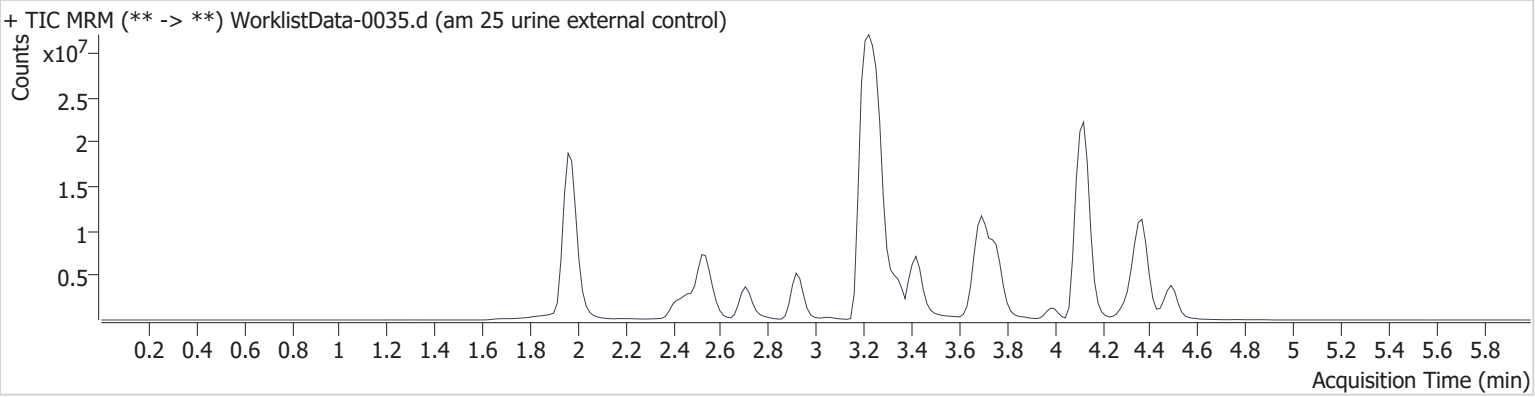
Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
Acetyl Norfentanyl	2.497	66445	139.1	15.1	15358451	4.347 < 5
Methamphetamine	2.563	3129183	201.9	309.2	15578074	6.717 < 32

AM #25 Multi-Drug Screen Results

Batch results D:\MassHunter\Data\2020 Data\am 25-26 6-25-20\QuantResults\mds.batch.bin
Calibration Last Update 6/29/2020 10:50:12 AM

Instrument	69679	**Data File**	WorklistData-0035.d
Type	Sample	**Sample**	am 25 urine external control
Acq. Method	MDS 5-27-20.m	**Operator**	Anne Nord
Sample Position	P1-A5	**Comment**	
Injection Volume	2.5		
Acq. Date-Time	6/25/2020 11:20:05 AM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.	
Chlordiazepoxide	4.373	21510785	2512.4	∞	14005021	385.534	
Doxylamine	3.226	95953375	∞	686.3	6813699	85.011	
Hydromorphone	1.967	39407771	127183.5	231997.8	127628	470.716	
Methamphetamine	2.563	3650970	546.9	313.3	18304625	6.670	< 32
Nortriptyline	4.136	52860557	2420.4	2748.2	3564962	665.685	

AM# 26: THC and Metabolites Screen in Blood by LC-MS/MS

Extraction Date: 6/23/20 Analyst: Anne Nord

Plate lot#: 200303 Plate Expiration: 09/03/2020

Mobile phase A: 10mM Ammonium Formate
0.1% Formic Acid in Water
Blank Blood Lot: 20A52255 **Urine Blank:** 6920
LCMS-QQQ ID: 69679

Mobile phase B: 0.1% Formic acid in MeOH
MTBE Hexane
Column: Phenomenex Phenyl Hexyl (4.6x50mm: 2.6 um)

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.

Analytic:

☒ 1. Remove standards, plate, controls, and samples from cold storage. Allow to reach room temperature.
☒ 2. Urine hydrolysis: add 1.5 ml urine to blank plate, add 250 ul 1N KOH mix and incubate at 40 degrees for 15 minutes.
Pipette **1000 µL blood (calibrated pipette)** in wells of analytical (standards) plate. **Pipette ID: K52558g**
Pipette 1000 ul urine to analytical (standards) plate.
☒ 3. Place on shaking incubator at ambient temp., 900 rpm for 15 minutes. *Shaker ID: 66759*
☒ 4. Pipette **500 µL 0.1% formic acid in blood** wells **500 ul saturated phosphate buffer in urine** wells of analytical plate.
☒ 5. Place on shaking incubator at ambient temp., 900 rpm for 15 minutes.
☒ 6. Transfer 8**00 µL of blood acid or urine acid** 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 **2.25 mL MTBE** (add in 3 increments of 750 µL).
☒ 10. Wait 5 minutes.
☒ 11. Apply positive pressure for approx. 10-15 seconds. ***(12-15 PSI- Selector to the left).***
☒ 12. Add **2.25 mL hexane** (add in 3 increments of 750 µL).
☒ 13. Wait 5 minutes.
☒ 14. Apply positive pressure for approx. 10-15 seconds. ***(12-15 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 **100 µL 100% LCMS MeOH** and heat seal plate with foil. Place in autosampler and run worklist.

Post-Analytic

☒ 1. Create batch and process data.
☒ 2. Calculated sample concentration of 3 ng/mL or greater for THC and THC-OH, a calculated sample concentration of 10 ng/mL or greater for Carboxy-THC.
☒ 3. Retention time within +/- 2% or +/-0.100 min whichever is greater of the average retention time of the calibrators.
☒ 4. Did all QCs pass for each analyte? Yes
☒ 5. Central File Packet to include: LIMS Worklist, Method Checklist, Calibration and Control Reports

COMMENTS: *injected samples on LC-QTOF using method 30. Did not evaluate the run due poor mass accuracy on some calibrators and internal standards. Samples were reconstituted and injected on 6/24/20 using Method 26 LCMS-QQQ*

Toxicology AM method 27/26 external prep information

working solution 1 ug/ml in meoh C-THC, THC-OH, THC

Stock solution 1mg/ml 7.5 ul each THC, 100 ug/ml 150 ul C-THC, 75 ulTHC-OH in 9767.5 ul meOH

Ppd 2/13/20 Exp: 8/13/20 lot 21320 by AMN

Drug	lot	expiration
C-THC	FE07171501	9/1/2020
THC-OH	FE07721601	7/1/2021
THC	FE001041701	3/1/2022

AM 27/26 blood control 100 ul working solution lot (91319) in 9900 ul blood lot (20A52255)

ppd 02/13/20 Exp 08/13/20 lot b81320 Concentration 7.5 ng/ml THC, THC-OH and 15 ng/ml C-THC by AMN

AM 27/26 urine control 400 ul working solution lot (21320) in 9600 ul urine lot (6920) out of use

ppd 4/17/20 Exp 9120 lot u101720 Concentration 30 ng/ml THC, THC-OH and 60 ng/ml C-THC by BAW 6/8/2020

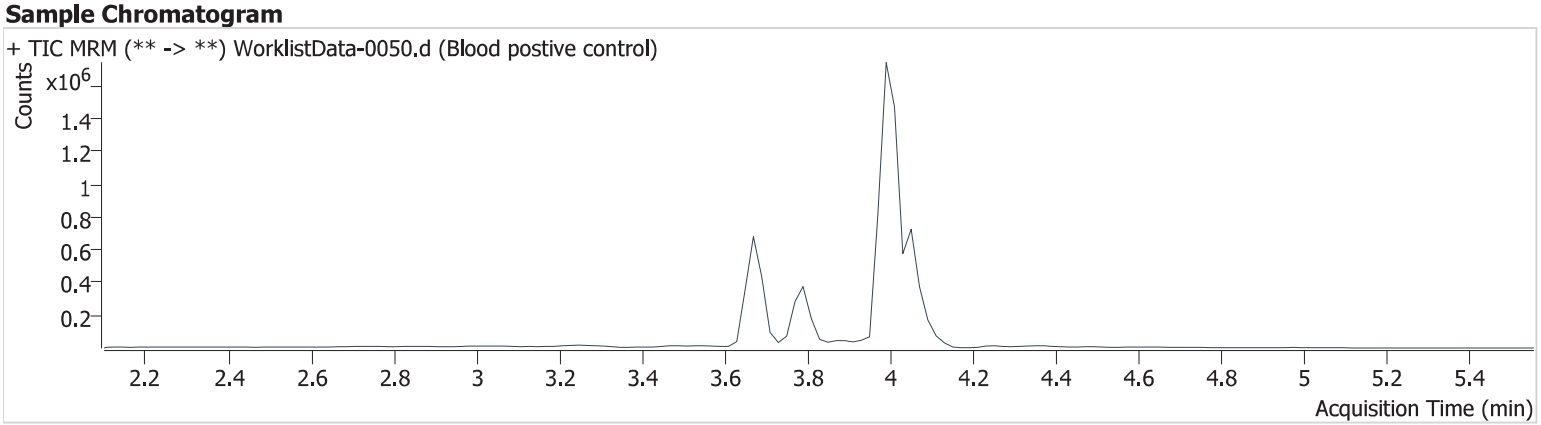
ppd 6/9/20 exp 8/13/20 lot 6920 Concentration 30 ng/ml THC, THC-OH and 60 ng/ml C-THC by amn

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2020 Data\am 25-26 6-23-20\QuantResults\cann screen.batch.bin
Calibration Last Update 6/29/2020 9:54:19 AM

Instrument	69679	**Data File**	WorklistData-0050.d
Type	QC	**Sample**	Blood postive control
Acq. Method	am 26 cann scr 5-5-20.m	**Operator**	Anne Nord
Sample Position	P3-H1	**Comment**	
Injection Volume	5		
Acq. Date-Time	6/24/2020 3:16:39 PM		
Sample Info.			

Sample Chromatogram



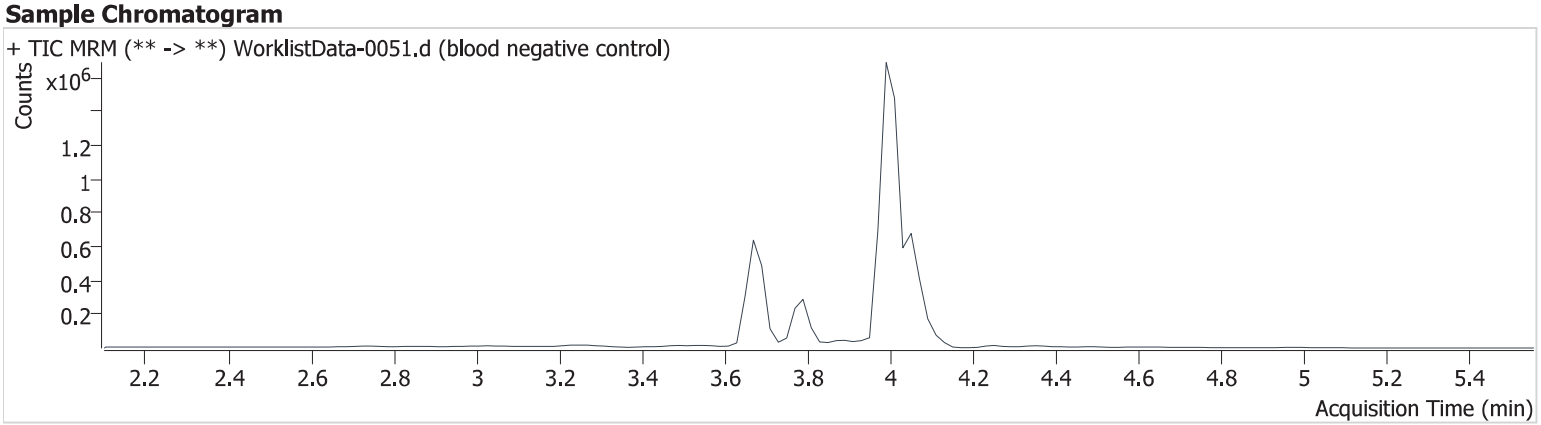
Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	4.064	38016	1085451	4.547 ng/ml
THC-COOH	3.792	133282	728228	15.909 ng/ml
THC-OH	3.679	16640	1779071	4.604 ng/ml

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2020 Data\am 25-26 6-23-20\QuantResults\cann screen.batch.bin
Calibration Last Update 6/29/2020 9:54:19 AM

Instrument	69679	**Data File**	WorklistData-0051.d
Type	Sample	**Sample**	blood negative control
Acq. Method	am 26 cann scr 5-5-20.m	**Operator**	Anne Nord
Sample Position	P3-A2	**Comment**	
Injection Volume	5		
Acq. Date-Time	6/24/2020 3:23:15 PM		
Sample Info.			

Sample Chromatogram

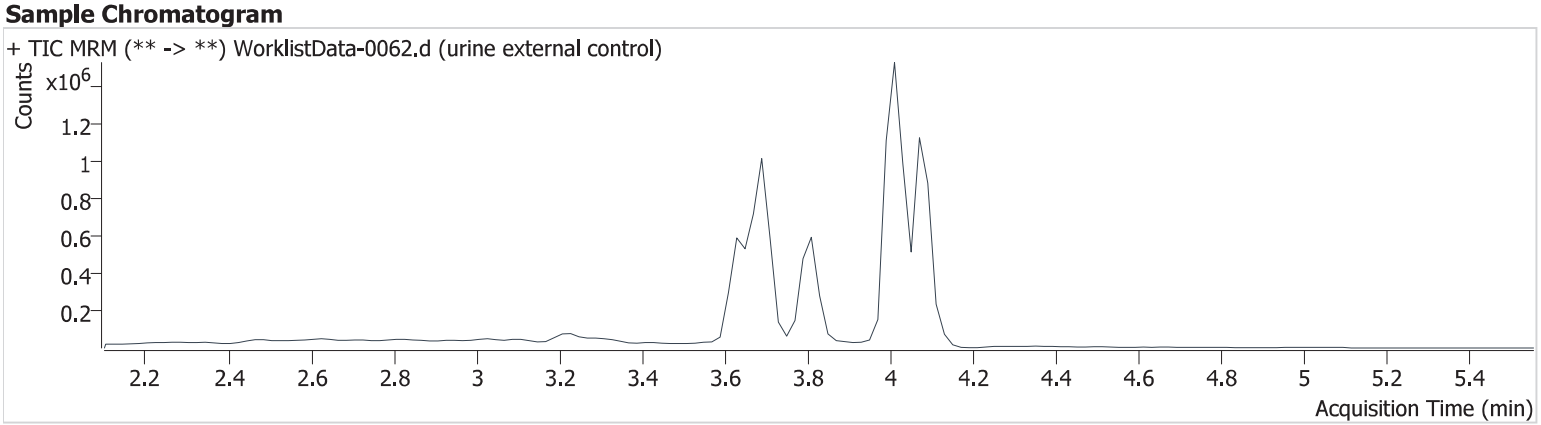


AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2020 Data\am 25-26 6-23-20\QuantResults\cann screen.batch.bin
Calibration Last Update 6/29/2020 9:54:19 AM

Instrument	69679	**Data File**	WorklistData-0062.d
Type	Sample	**Sample**	urine external control
Acq. Method	am 26 cann scr 5-5-20.m	**Operator**	Anne Nord
Sample Position	P3-D3	**Comment**	
Injection Volume	5		
Acq. Date-Time	6/24/2020 4:35:56 PM		
Sample Info.			

Sample Chromatogram



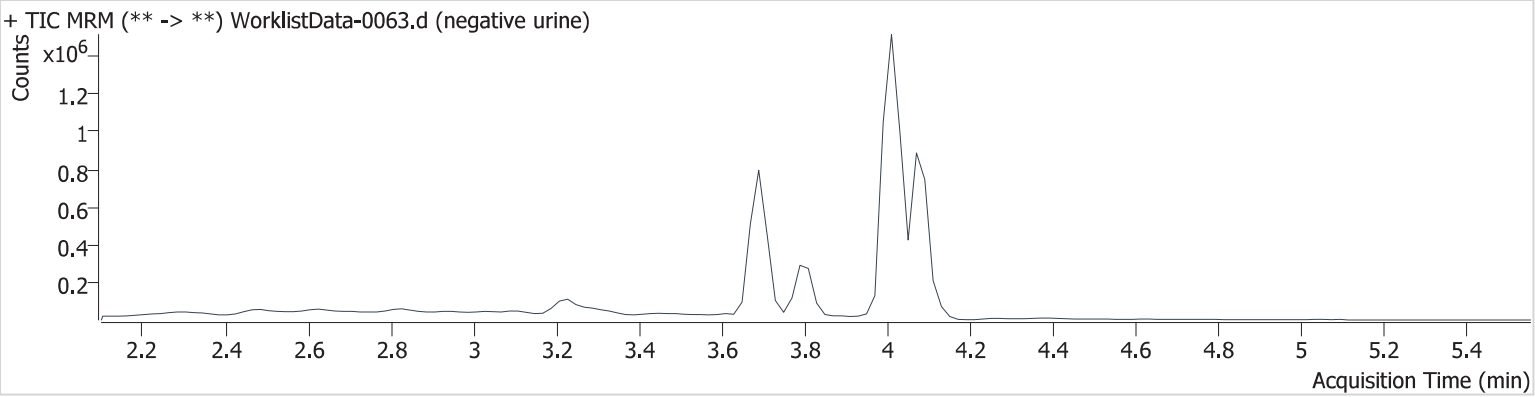
Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	4.084	296490	2205100	17.463 ng/ml
THC-COOH	3.812	335875	827417	35.336 ng/ml
THC-OH	3.638	1733314	2290895	359.559 ng/ml

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2020 Data\am 25-26 6-23-20\QuantResults\cann screen.batch.bin
Calibration Last Update 6/29/2020 9:54:19 AM

Instrument	69679	**Data File**	WorklistData-0063.d
Type	Sample	**Sample**	negative urine
Acq. Method	am 26 cann scr 5-5-20.m	**Operator**	Anne Nord
Sample Position	P3-E3	**Comment**	
Injection Volume	5		
Acq. Date-Time	6/24/2020 4:42:32 PM		
Sample Info.			

Sample Chromatogram

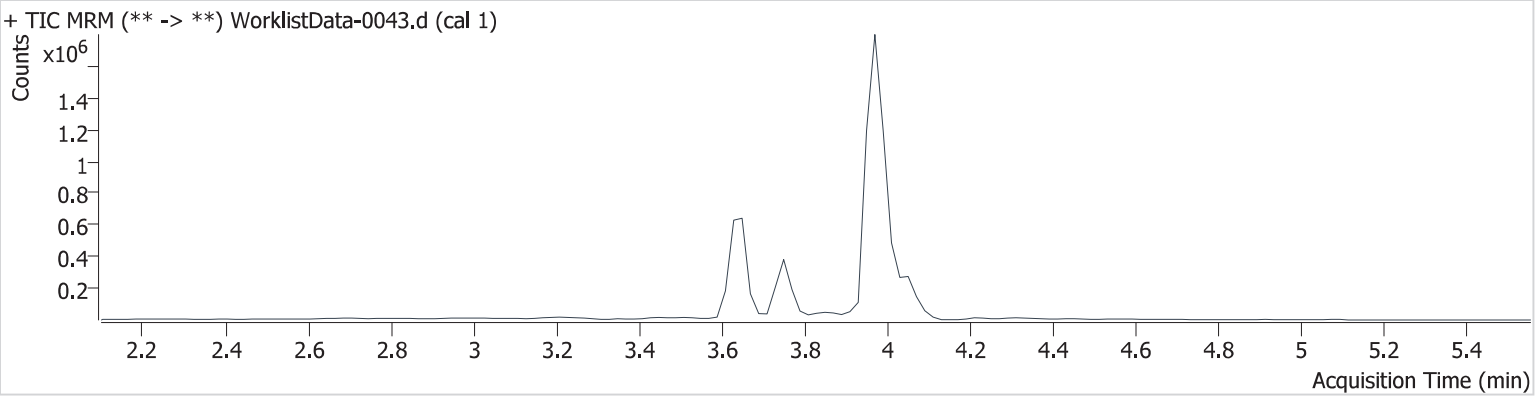


AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2020 Data\am 25-26 6-23-20\QuantResults\cann screen.batch.bin
Calibration Last Update 6/29/2020 9:54:19 AM

Instrument	69679	**Data File**	WorklistData-0043.d
Type	Cal	**Sample**	cal 1
Acq. Method	am 26 cann scr 5-5-20.m	**Operator**	Anne Nord
Sample Position	P3-A1	**Comment**	
Injection Volume	5		
Acq. Date-Time	6/24/2020 2:30:20 PM		
Sample Info.			

Sample Chromatogram



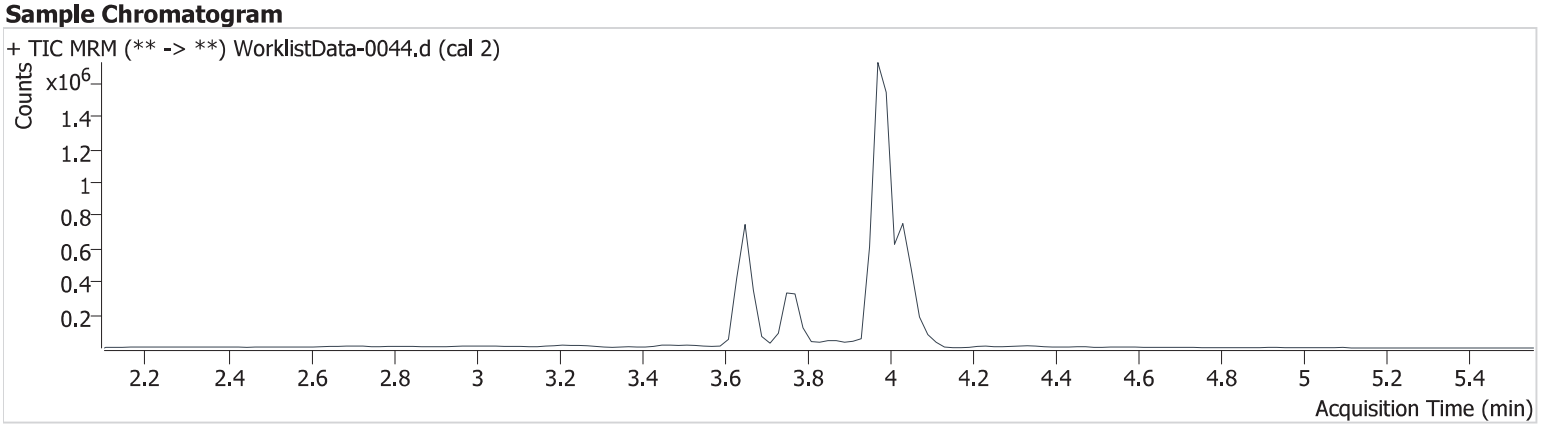
Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	4.024	4406	558264	1.022 ng/ml **Low**
THC-COOH	3.752	50532	818399	5.339 ng/ml **Low**
THC-OH	3.658	3602	1915964	1.054 ng/ml **Low**

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2020 Data\am 25-26 6-23-20\QuantResults\cann screen.batch.bin
Calibration Last Update 6/29/2020 9:54:19 AM

Instrument	69679	**Data File**	WorklistData-0044.d
Type	Cal	**Sample**	cal 2
Acq. Method	am 26 cann scr 5-5-20.m	**Operator**	Anne Nord
Sample Position	P3-B1	**Comment**	
Injection Volume	5		
Acq. Date-Time	6/24/2020 2:36:58 PM		
Sample Info.			

Sample Chromatogram



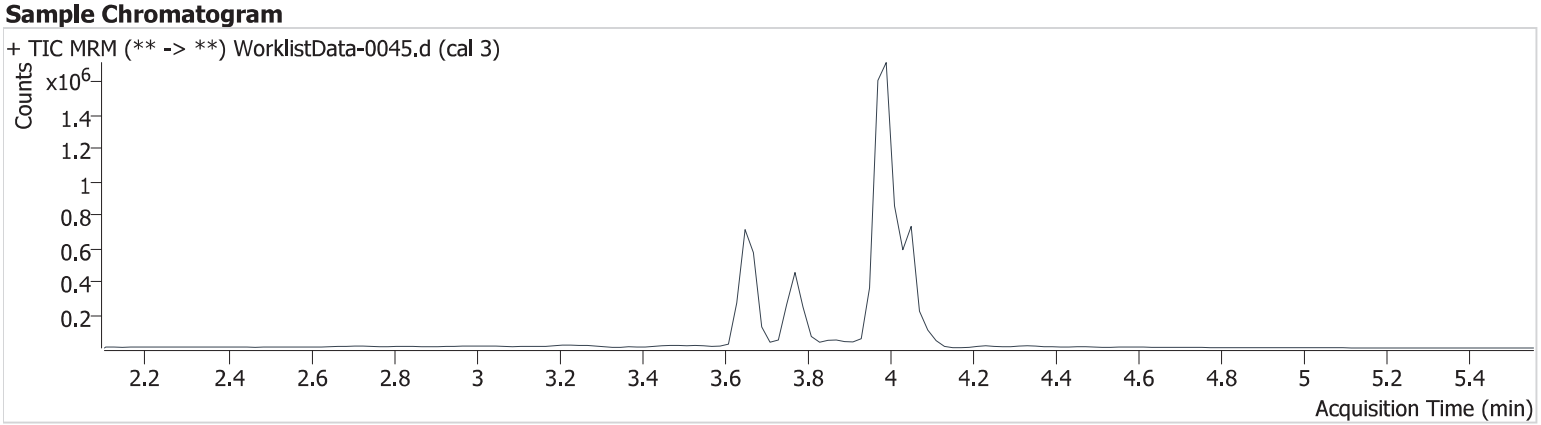
Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	4.044	27922	1240852	2.920 ng/ml **Low**
THC-COOH	3.772	86844	778385	9.682 ng/ml **Low**
THC-OH	3.658	10788	1803325	3.003 ng/ml

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2020 Data\am 25-26 6-23-20\QuantResults\cann screen.batch.bin
Calibration Last Update 6/29/2020 9:54:19 AM

Instrument	69679	**Data File**	WorklistData-0045.d
Type	Cal	**Sample**	cal 3
Acq. Method	am 26 cann scr 5-5-20.m	**Operator**	Anne Nord
Sample Position	P3-C1	**Comment**	
Injection Volume	5		
Acq. Date-Time	6/24/2020 2:43:35 PM		
Sample Info.			

Sample Chromatogram



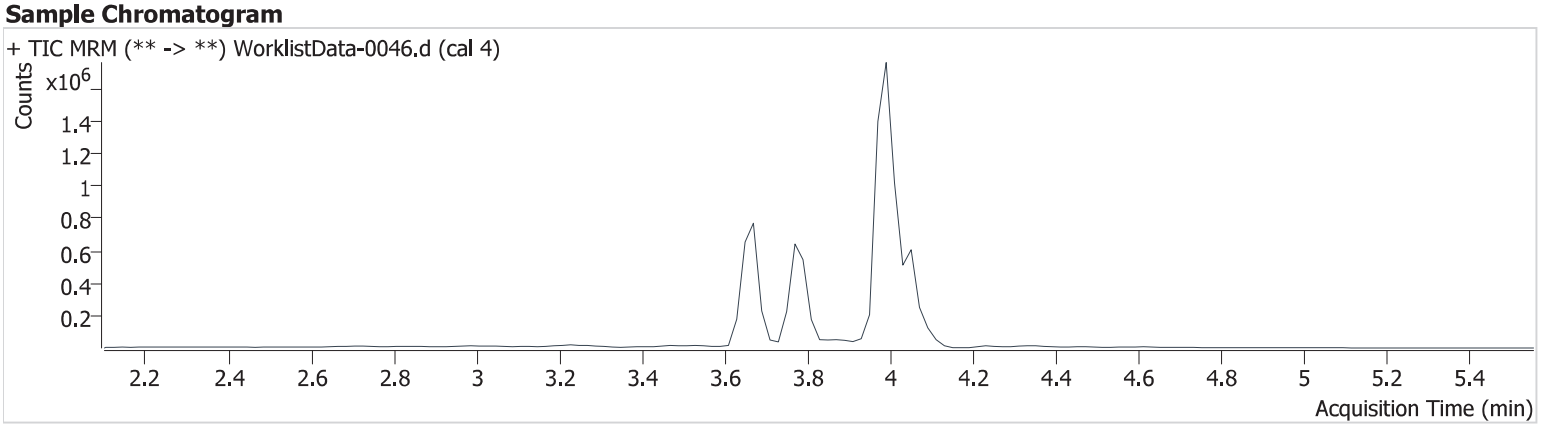
Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	4.064	45865	1250079	4.763 ng/ml
THC-COOH	3.772	170954	755411	19.681 ng/ml
THC-OH	3.658	19143	1845924	5.087 ng/ml

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2020 Data\am 25-26 6-23-20\QuantResults\cann screen.batch.bin
Calibration Last Update 6/29/2020 9:54:19 AM

Instrument	69679	**Data File**	WorklistData-0046.d
Type	Cal	**Sample**	cal 4
Acq. Method	am 26 cann scr 5-5-20.m	**Operator**	Anne Nord
Sample Position	P3-D1	**Comment**	
Injection Volume	5		
Acq. Date-Time	6/24/2020 2:50:13 PM		
Sample Info.			

Sample Chromatogram



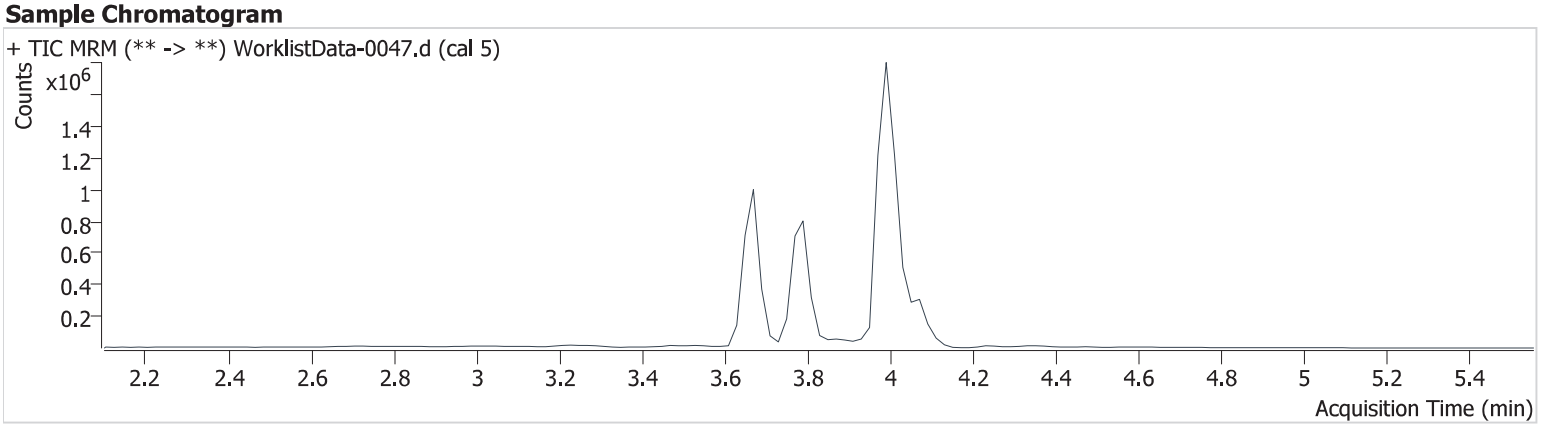
Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	4.064	69055	957026	9.370 ng/ml
THC-COOH	3.792	433335	765508	49.293 ng/ml
THC-OH	3.679	37601	1862860	9.749 ng/ml

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2020 Data\am 25-26 6-23-20\QuantResults\cann screen.batch.bin
Calibration Last Update 6/29/2020 9:54:19 AM

Instrument	69679	**Data File**	WorklistData-0047.d
Type	Cal	**Sample**	cal 5
Acq. Method	am 26 cann scr 5-5-20.m	**Operator**	Anne Nord
Sample Position	P3-E1	**Comment**	
Injection Volume	5		
Acq. Date-Time	6/24/2020 2:56:49 PM		
Sample Info.			

Sample Chromatogram



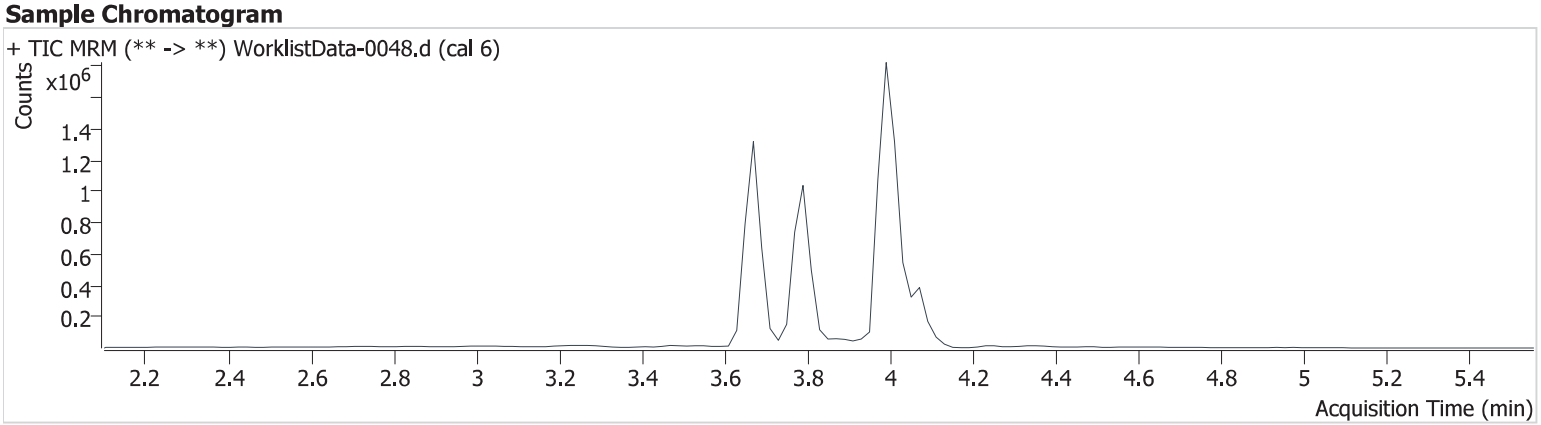
Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	4.084	101629	514900	25.636 ng/ml
THC-COOH	3.792	646061	759052	74.137 ng/ml
THC-OH	3.679	93802	1868310	24.010 ng/ml

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2020 Data\am 25-26 6-23-20\QuantResults\cann screen.batch.bin
Calibration Last Update 6/29/2020 9:54:19 AM

Instrument	69679	**Data File**	WorklistData-0048.d
Type	Cal	**Sample**	cal 6
Acq. Method	am 26 cann scr 5-5-20.m	**Operator**	Anne Nord
Sample Position	P3-F1	**Comment**	
Injection Volume	5		
Acq. Date-Time	6/24/2020 3:03:27 PM		
Sample Info.			

Sample Chromatogram



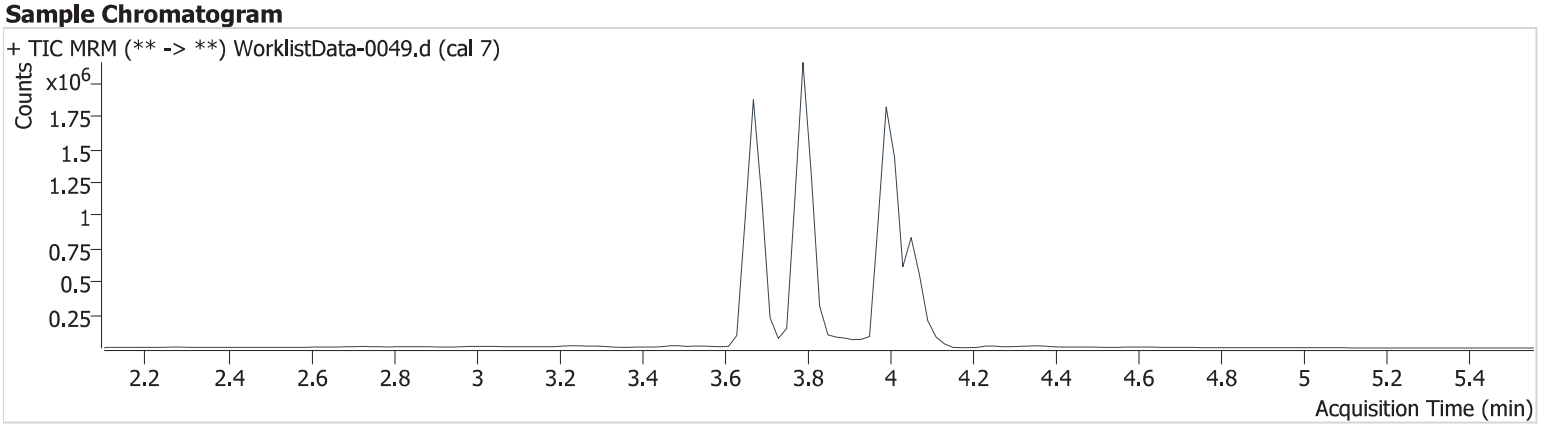
Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	4.084	202337	510846	51.447 ng/ml
THC-COOH	3.792	857023	749022	99.677 ng/ml
THC-OH	3.679	187273	1856543	48.077 ng/ml

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2020 Data\am 25-26 6-23-20\QuantResults\cann screen.batch.bin
Calibration Last Update 6/29/2020 9:54:19 AM

Instrument	69679	**Data File**	WorklistData-0049.d
Type	Cal	**Sample**	cal 7
Acq. Method	am 26 cann scr 5-5-20.m	**Operator**	Anne Nord
Sample Position	P3-G1	**Comment**	
Injection Volume	5		
Acq. Date-Time	6/24/2020 3:10:03 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	4.064	663482	812944	106.013 ng/ml
THC-COOH	3.792	2084237	720158	252.190 ng/ml
THC-OH	3.679	383498	1771043	103.019 ng/ml