Reviewed by Sarah Collins at 2:43 PM on Dec 22, 2020

12/21/2020

Worklist: 4688

LAB_CASE	ITEM	ITEM_TYPE	DESCRIPTION
C2020-2390	1	AVK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
C2020-2395	2	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
C2020-2410	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
C2020-2435	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
C2020-2460	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
C2020-2473	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
C2020-2478	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
C2020-2488	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
C2020-2489	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
C2020-2539	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
C2020-2541	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
C2020-2544	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2020-3536	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: 12/21/2020 Analyst: Britany Wylie
Plate lot#: 200511 Plate Expiration: 11/11/2020

Mobile phase A: 10mM Amm Form **Mobile phase B:** 0.1% Formic Acid in MeOH
0.5M Ammonium Hydroxide Ethyl Acetate LC Methanol
Blank Blood Lot: 20G20792 **Blank Urine lot:** **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. **Optional step: add 50ul 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

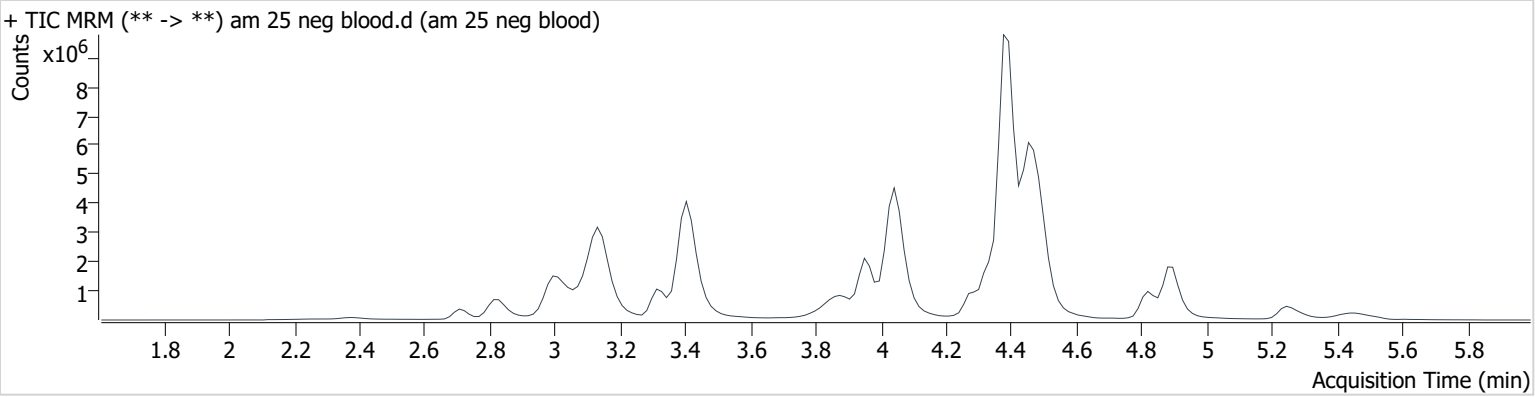
COMMENTS: *Due to the extraction occuring after the expiration of the analytical plate, an external control was included with this run as specified in the analytical method. No Urines included in this batch.*
Paroxetine was not evaluated.

AM #25 Multi-Drug Screen Results

Batch results	D:\MassHunter\Data\2020 Data\am 25-26 122120\QuantResults\mds.batch.bin
Calibration Last Update	12/21/2020 7:52:35 PM

Instrument	69679	**Data File**	am 25 neg blood.d
Type	Sample	**Sample**	am 25 neg blood
Acq. Method	mds 826.m	**Operator**	Britany Wylie
Sample Position	P2-G3	**Comment**	
Injection Volume	2.5		
Acq. Date-Time	12/21/2020 4:08:30 PM		
Sample Info.			

Sample Chromatogram

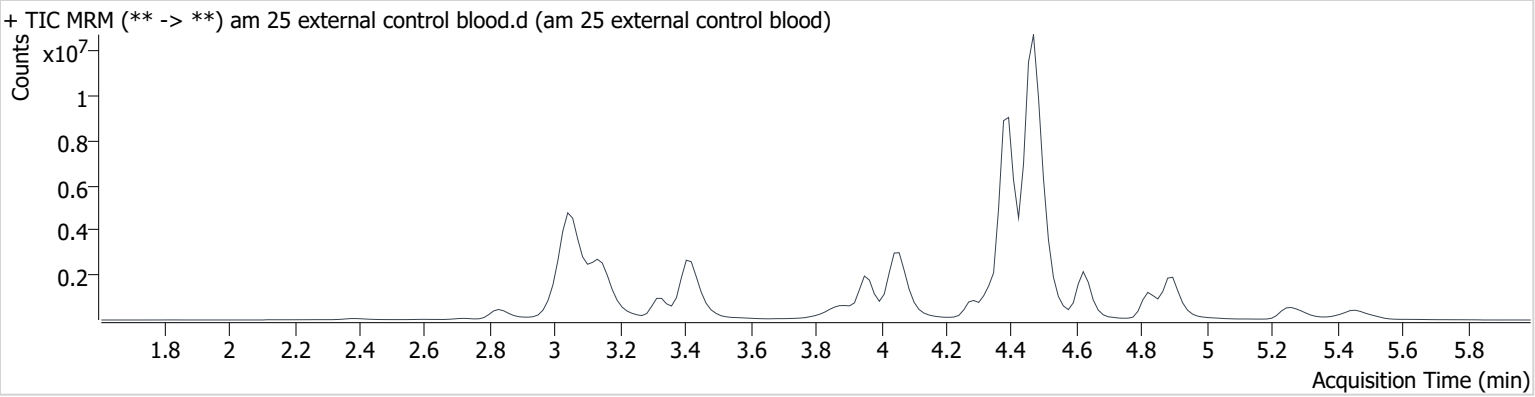


AM #25 Multi-Drug Screen Results

Batch results D:\MassHunter\Data\2020 Data\am 25-26 122120\QuantResults\mds.batch.bin
Calibration Last Update 12/21/2020 7:52:35 PM

Instrument	69679	**Data File**	am 25 external control blood.d
Type	Sample	**Sample**	am 25 external control blood
Acq. Method	mds 826.m	**Operator**	Britany Wylie
Sample Position	P2-F3	**Comment**	
Injection Volume	2.5		
Acq. Date-Time	12/21/2020 4:15:12 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
Methamphetamine	3.051	8243905	441.4	272.0	4343217	64.569
Midazolam	4.624	3102289	8386.0	6827.0	11661425	64.699
Temazepam	4.476	19547640	4994.0	457.9	11661425	94.544

Toxicology AM method 25/28 urine external control prep

working solution 10000 ng/ml in meoh methamphetamine, temazepam, midazolam

Stock solution 1mg/ml 50 ul each in 4850 ul MeOH (fisher 195629)

ppd 8/6/20: Exp: 4/1/2021 lot 4121 by baw

Drug	lot	expiration
Methamphetamine	FE08101708	10/1/2022
midazolam	FE01221602	4/1/2021
temazepam	FE04261601	5/1/2021

AM 25/28 control 500 ul working solution (4121) in 4500 ul negative urine (1000ng/mL Expected concentration)

ppd 8/6/20, exp 4/1/2021 lot u4121 negative urine 73020 by AMN

AM 25/28 Blood Control: 50ul working solution (4121) in 4950 ul neg blood (100ng/mL Expected concentration)

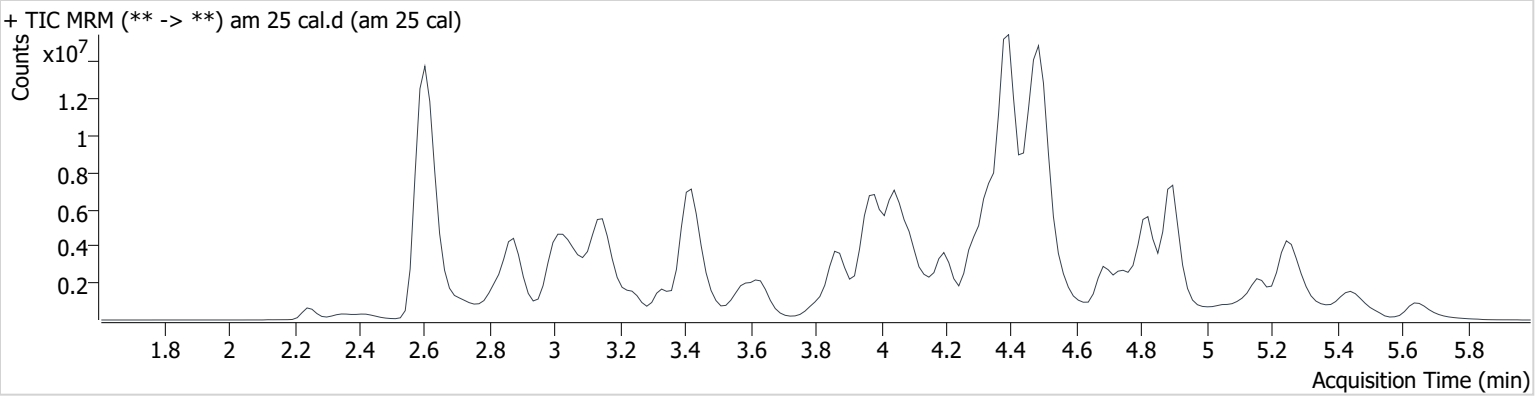
ppp 8/6/20, exp 4/1/21 lot b4121 neg blood 20G20792 by AMN

AM #25 Multi-Drug Screen Results

Batch results D:\MassHunter\Data\2020 Data\am 25-26 122120\QuantResults\mds.batch.bin
Calibration Last Update 12/21/2020 7:52:35 PM

Instrument	69679	**Data File**	am 25 cal.d
Type	Cal	**Sample**	am 25 cal
Acq. Method	mds 826.m	**Operator**	Britany Wylie
Sample Position	P2-A1	**Comment**	
Injection Volume	2.5		
Acq. Date-Time	12/21/2020 3:55:05 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
6-MAM	3.477	53412	95.6	59051.7	1241408	10.000
7-aminoclonazepam	3.331	857437	248.0	176.2	3023765	10.000
7-aminoflunitrazepam	3.558	1518385	164.3	395.6	3023765	10.000
Acetyl Fentanyl	4.656	248138	93.3	272.6	19214425	10.000
Acetyl Norfentanyl	2.865	206184	5474.5	1124.0	19214425	10.000
a-hydroxyalprazolam	4.302	181621	101.4	502.1	3023765	10.000
alpha-hydroxymidazolam	4.409	2946328	800.2	431.6	3023765	10.000
alpha-PHP	4.465	2012789	476.6	441.6	5531910	10.000
alpha-PVP	4.206	3308039	399.2	394.1	5531910	10.000
Alprazolam	4.429	1794184	503.8	386.2	11628319	10.000
Amitriptyline	5.269	1519527	272.7	231.2	7115553	10.000
Amphetamine	2.885	2801119	2315.7	1945.2	5531910	10.000
Benzoylecgonine	3.072	716088	1324.9	477.5	351046	10.000
Brompheniramine	4.641	62633	62.6	8.3	36926473	10.000
Buprenorphine	5.243	409207	24613.9	314.2	1698350	10.000
Bupropion	4.373	2558846	3395.9	17223.7	10483724	10.000
Carbamazepine	3.991	6128423	6276.8	1878.4	144031	10.000
Carisoprodol	3.973	957889	2015.2	797.2	5504469	10.000
Chlordiazepoxide	4.538	590561	1464.2	264.8	11628319	10.000
Chlorpheniramine	4.509	4086961	1155.3	15.0	36926473	10.000
Citalopram	4.563	1990708	562.5	260.0	36926473	10.000
Clomimpramine	5.640	2576393	∞	1375.1	7115553	10.000
Clonazepam	4.226	422841	275.8	6101.1	11628319	10.000
Clonazolam	4.162	624033	787.2	678049.9	11628319	10.000
Cocaethylene	4.272	3821375	23948.9	1002.0	24443732	10.000
Cocaine	4.091	4580186	928.9	286.5	24443732	10.000
Codeine	3.344	344736	80.7	204.8	8049475	10.000
Cyclobenzaprine	5.119	2599052	351.4	101.2	7115553	10.000
Desipramine	5.044	2626162	∞	33.1	7115553	10.000
Dextromethorphan	4.860	1304147	315.3	∞	6919783	10.000
Dextrorphan	3.805	2009125	447.7	194.4	6919783	10.000
Diazepam	4.675	1011392	427.2	640.2	11628319	10.000
Dihydrocodeine	3.009	1092131	570.1	646.8	8049475	10.000
Diphenhydramine	4.510	5323021	981.0	549.2	36926473	10.000

AM #25 Multi-Drug Screen Results

Name	RT	Resp.	S/N		S/N	ISTD Resp.	Calc. Conc.
Doxepin	4.904	1270148	2006.3		32.1	15913430	10.000
Doxylamine	3.972	6846864	5803.0		4841.8	6919783	10.000
EDDP	4.355	3244216	801.4		408.3	1811683	10.000
Estazolam	4.322	3390050	920.8		1286.1	11628319	10.000
Etizolam	4.455	190945	244872.9		356919.5	11628319	10.000
Fentanyl	4.822	170910	145.0		280.9	11195192	10.000
Flualprazolam	4.286	595053	1658.3		1457.7	11628319	10.000
Flunitrazepam	4.366	1460880	557.4		65172.2	11628319	10.000
Fluoxetine	4.704	1507408	381.0		169.9	6762344	10.000
Flurazepam	4.789	2080431	2178871.0		331792.9	11628319	10.000
Hydrocodone	3.939	1232675	182.2		57.1	8049475	10.000
Hydromorphone	2.786	1230437	268.9		78.8	294637	10.000
Imipramine	5.252	4641724	231.2		809.5	7115553	10.000
Ketamine	4.190	2986326	904.1		387.9	10876719	10.000
Lamotrigine	3.424	251025	974.3		4697.3	36926473	10.000
Levamisole	3.443	2064356	873522.6		133.2	24443732	10.000
Levetireacetam	2.247	809870	1007.6		4497.6	5504469	10.000
Lorazepam	4.210	215872	116.2		141.2	11628319	10.000
Maprotiline	5.270	1100397	50.5		∞	7115553	10.000
MDA	3.094	1665108	945.9		361.6	13792287	10.000
MDEA	3.427	2745184	373.8		385.3	13792287	10.000
MDMA	3.246	2871910	749.4		122.2	13792287	10.000
Meperidine	4.219	1928610	383.8		218.5	6919783	10.000
Meprobamate	3.351	249624	255.1		47.6	5504469	10.000
Methadone	4.780	3647929	492.0		202.3	1811683	10.000
Methamphetamine	3.051	4054436	475.3		168.5	13792287	10.000
Methocarbamol	3.258	153588	461.7		174.4	1811683	10.000
Methylphenidate	3.869	6153683	362.6		192.3	12909199	10.000
Metoprolol	3.589	506047	209.0		430.0	6919783	10.000
Midazolam	4.624	478137	836.8		2423.1	11628319	10.000
Mirtazapine	4.708	2176726	595.8		736.8	6919783	10.000
Mitragynine	4.834	297923	94545.4		1259.7	6919783	10.000
Morphine	2.423	352157	∞		684.7	294637	10.000
Norbuprenorphine	4.482	32007	23.5		376.0	1698350	10.000
Nordiazepam	4.494	678915	753.4		513.2	11628319	10.000
Norfentanyl	3.441	3728165	788.4		198.5	19214425	10.000
Norhydrocodone	3.209	66444	48.5		55.1	8049475	10.000
norketamine	4.008	499647	368.9		10618.3	36926473	10.000
Normeperidine	3.869	1388122	807.5		180.3	36926473	10.000
Noroxycodone	3.009	869450	82.2		94.5	10876719	10.000
Nortriptyline	5.151	1337814	2086.7		24.6	7115553	10.000
O-desmethyl-tramadol	2.879	6417383	1204.0		502.5	36926473	10.000
Olanzapine	4.550	384053	301.2		123.8	144031	10.000
Oxazepam	4.292	422871	268.7		143.4	2673923	10.000
Oxycodone	3.175	2455454	189.8		1206.9	10876719	10.000
Oxymorphone	2.345	1063277	275.4		∞	294637	10.000
Paroxetine	5.457	21168	3.0	**Low**	51.3	6762344	10.000
Phenazepam	4.454	916528	459502.2		3193.7	11628319	10.000
Phencyclidine	4.312	2879310	622.7		1819.0	6919783	10.000
Phentermine	3.173	1180198	157.4		38.0	12909199	10.000
Phenytoin	3.882	238686	481.1		176.8	144031	10.000
Promethazine	5.176	5511172	9016.3		631.7	36926473	10.000
Pseudoephedrine	2.611	54418799	22524.5		9162.7	13792287	10.000
Quetiapine	4.744	3531012	1084.5		1092.1	33503415	10.000
Sertraline	5.430	1257640	1686.6		112.0	6762344	10.000
Sufentanil	5.048	188317	91885.8		235.9	19214425	10.000
Tapentadol	3.595	3273208	1183.0		391.3	10876719	10.000
Temazepam	4.476	2061692	772.6		152.8	11628319	10.000
Tramadol	3.636	6311265	25086.3		27.1	36926473	10.000
Trazodone	4.897	3159669	2711.1		1761.0	15913430	10.000

am 25 cal

AM #25 Multi-Drug Screen Results

Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
Venlafaxine	4.110	4513082	7520.9	215.3	6762344	10.000
Zaleplon	4.152	1509314	567.8	822.3	33503415	10.000
Zolpidem	4.398	7228473	101788.4	746.4	33503415	10.000
Zopiclone	4.437	549387	591.2	160111.9	2777316	10.000

AM 25
12/21/20 WORKLIST 4688

	1	2	3	4	5	6	7	8	9	10	11	
A	IS + Cal. 1				c2390-1	c2489-1	c2489-1 2nd					
B	IS + Cal. 1				c2395-2	c2539-1						
C	IS + Cal 2				c2410-1	c2541-1						
D	IS + Cal 2				c2435-1	c2544-1						
E					c2460-1	p3536-1						IS + Cal 2
F					c2473-1	ext ctrl						IS + Cal 2
G					c2478-1	neg blood						IS + Cal. 1
H					c2488-1	c2390-1 2nd						IS + Cal. 1

All wells to contain 60 µl of residual DMSO

Case #: _2020-____-

sample did not flow through SLE, 2nd aliquot taken

columns columns

NOTE: Samples in ~~Rows~~ 5-7 on extraction plate were transferred to ~~rows~~ 2-4 on SLE plate, Contols moved to A1 and C1 on SLE plate.

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

Extraction Date: 12/21/2020 Analyst: Britany Wylie
Plate lot#: 200723 Plate Expiration: 1-23-2021

Mobile phase A: 10mM Ammonium Formate **Mobile phase B:** 0.1% Formic acid in MeOH
0.1% Formic Acid in Water MTBE Hexane
1N KOH Saturated Phosphate Buffer
Blank Blood Lot: 20G20792 **Urine Blank:**
Column: Phenomenex Phenyl Hexyl (4.6x50mm: 2.6 um) **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: 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.
☒ 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 **800 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 ~~1 ng/mL or greater for THC, 3 ng/mL or greater for THC-OH, and/or 5 ng/mL or greater for Carboxy-THC.~~ 3ng/mL THC or Hydroxy THC, and greater than 10ng/mL Carboxy-THC BW 12-24-20
☒ 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

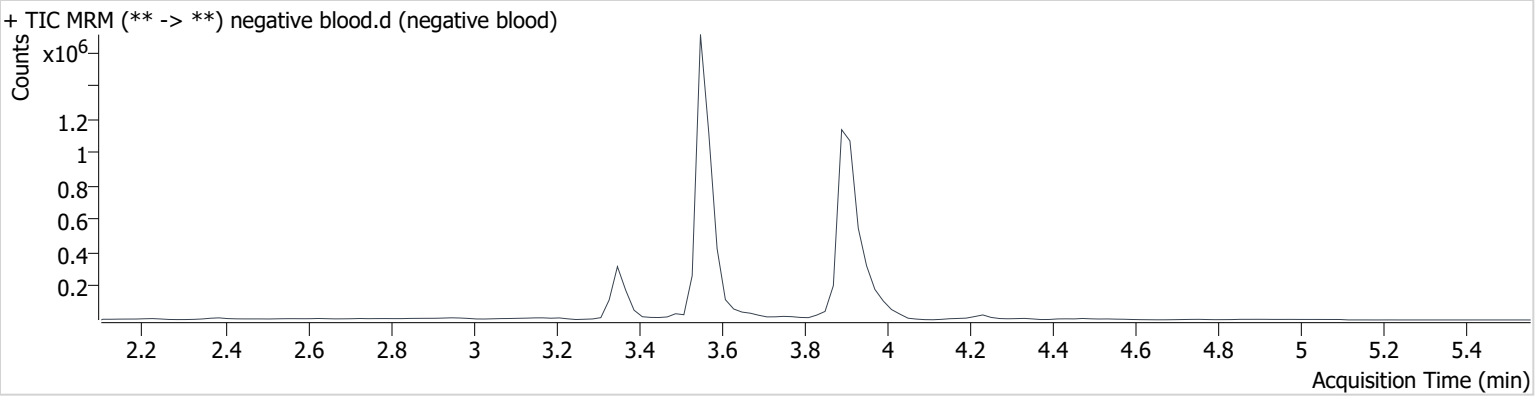
COMMENTS: *no urines included in this batch*

AM #26 Cannabinoids Screen Result

Batch results	D:\MassHunter\Data\2020 Data\am 25-26 122120\QuantResults\cann scr.batch.bin
Calibration Last Update	12/21/2020 9:29:01 PM

Instrument	69679	**Data File**	negative blood.d
Type	Sample	**Sample**	negative blood
Acq. Method	am 26 cann scr 5-5-20.m	**Operator**	Britany Wylie
Sample Position	P3-A2	**Comment**	
Injection Volume	5		
Acq. Date-Time	12/21/2020 7:35:20 PM		
Sample Info.			

Sample Chromatogram

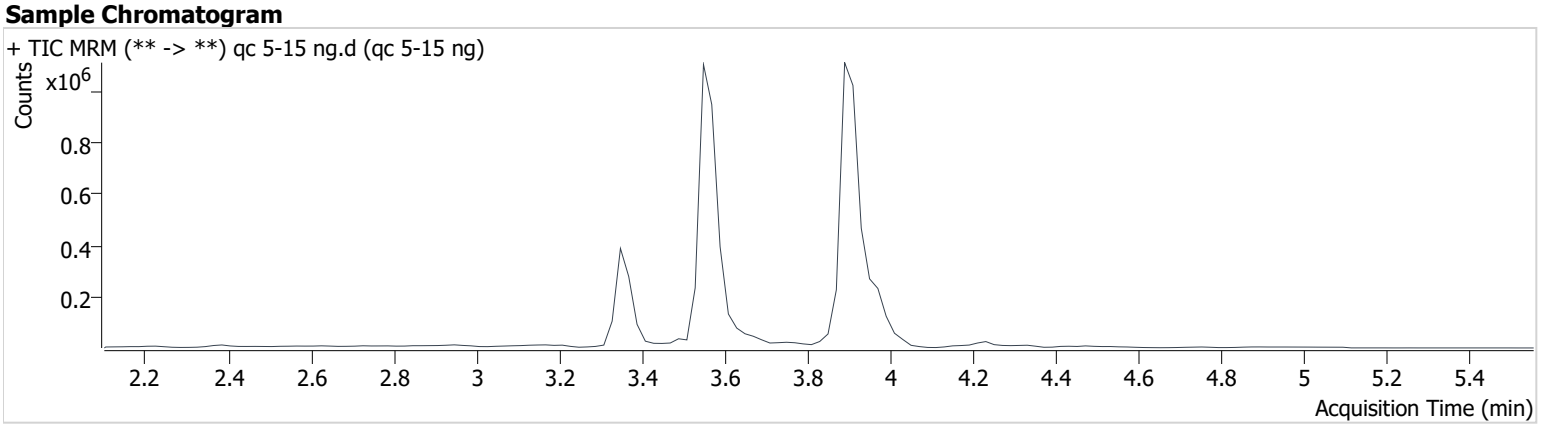


AM #26 Cannabinoids Screen Result

Batch results D:\MassHunter\Data\2020 Data\am 25-26 122120\QuantResults\cann scr.batch.bin
Calibration Last Update 12/21/2020 9:29:01 PM

Instrument	69679	**Data File**	qc 5-15 ng.d
Type	QC	**Sample**	qc 5-15 ng
Acq. Method	am 26 cann scr 5-5-20.m	**Operator**	Britany Wylie
Sample Position	P3-H1	**Comment**	
Injection Volume	5		
Acq. Date-Time	12/21/2020 7:28:42 PM		
Sample Info.			

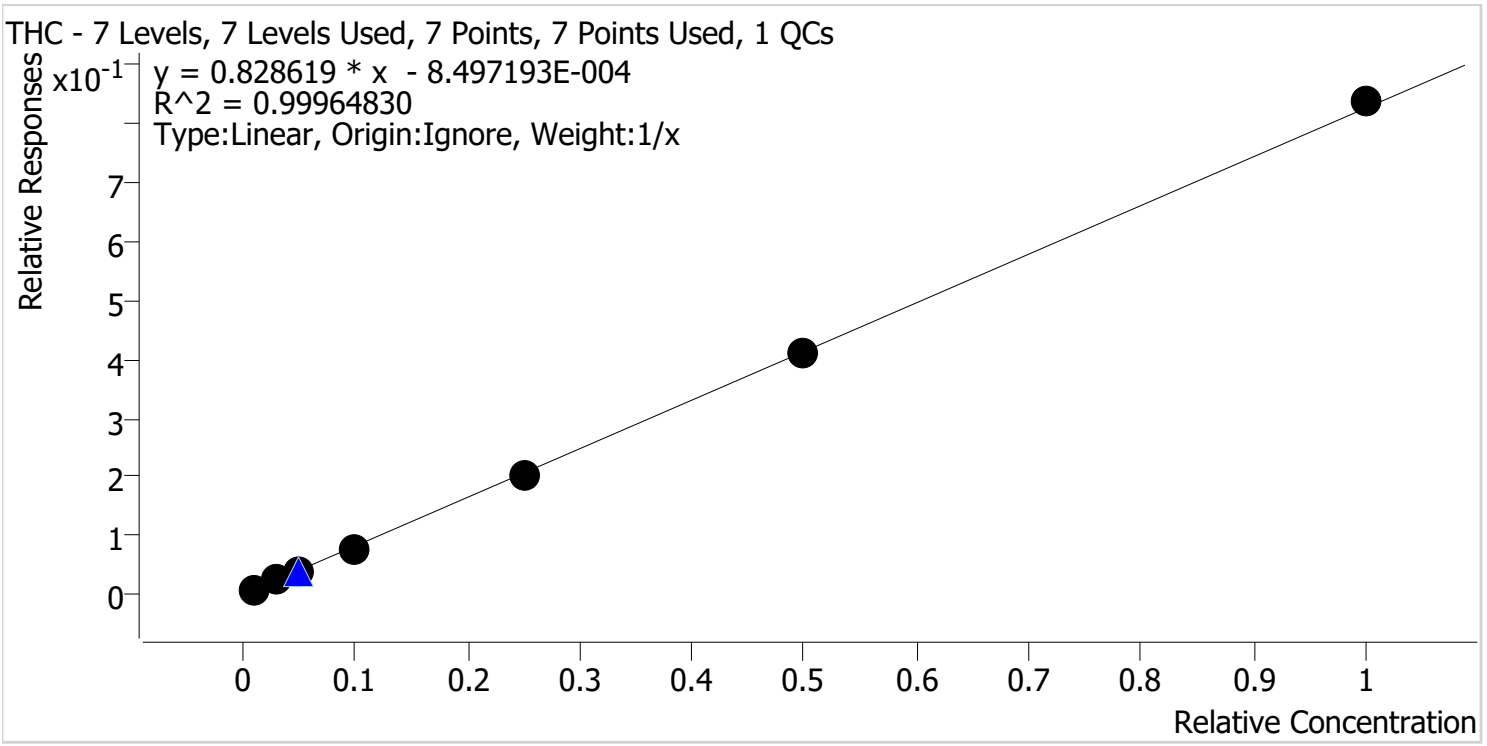
Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.	
THC	3.984	18443	458663	4.955	ng/ml
THC-COOH	3.351	157542	677340	14.928	ng/ml
THC-OH	3.578	28304	3329160	4.581	ng/ml

Compound Calibration Report

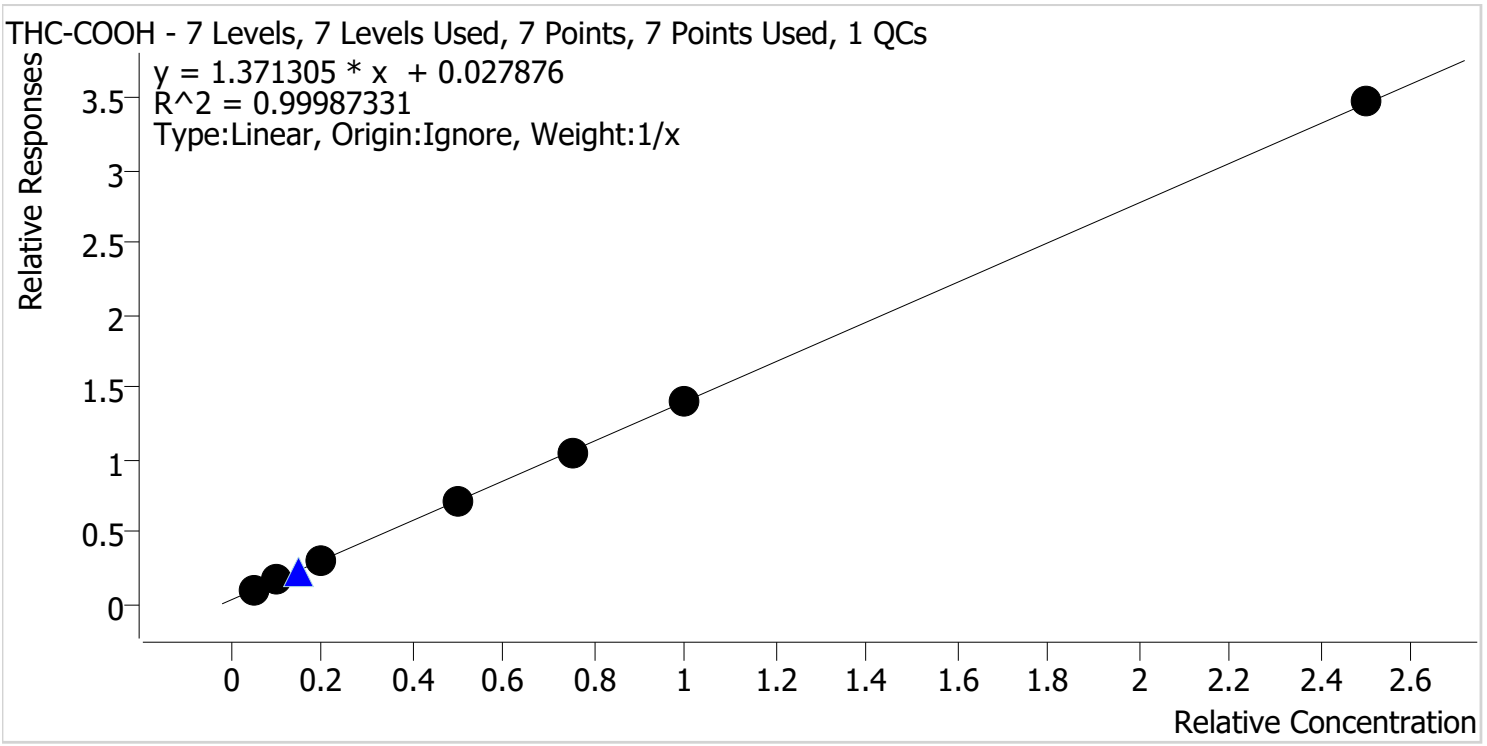
Batch results	D:\MassHunter\Data\2020 Data\am 25-26 122120\QuantResults\cann scr.batch.bin
Last Cal. Update	12/21/2020 9:29 PM
Analyst Name	ISP\datastor
Analyte	THC
Internal Standard	THC-d3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
check std 1ng	1	✔	1.0	1.0	103.2
cal 2	2	✔	3.0	3.0	101.4
cal 3	3	✔	5.0	5.1	101.7
cal 4	4	✔	10.0	9.6	95.7
cal 5	5	✔	25.0	24.4	97.4
cal-6	6	✔	50.0	49.6	99.2
cal-7	7	✔	100.0	101.3	101.3

Compound Calibration Report

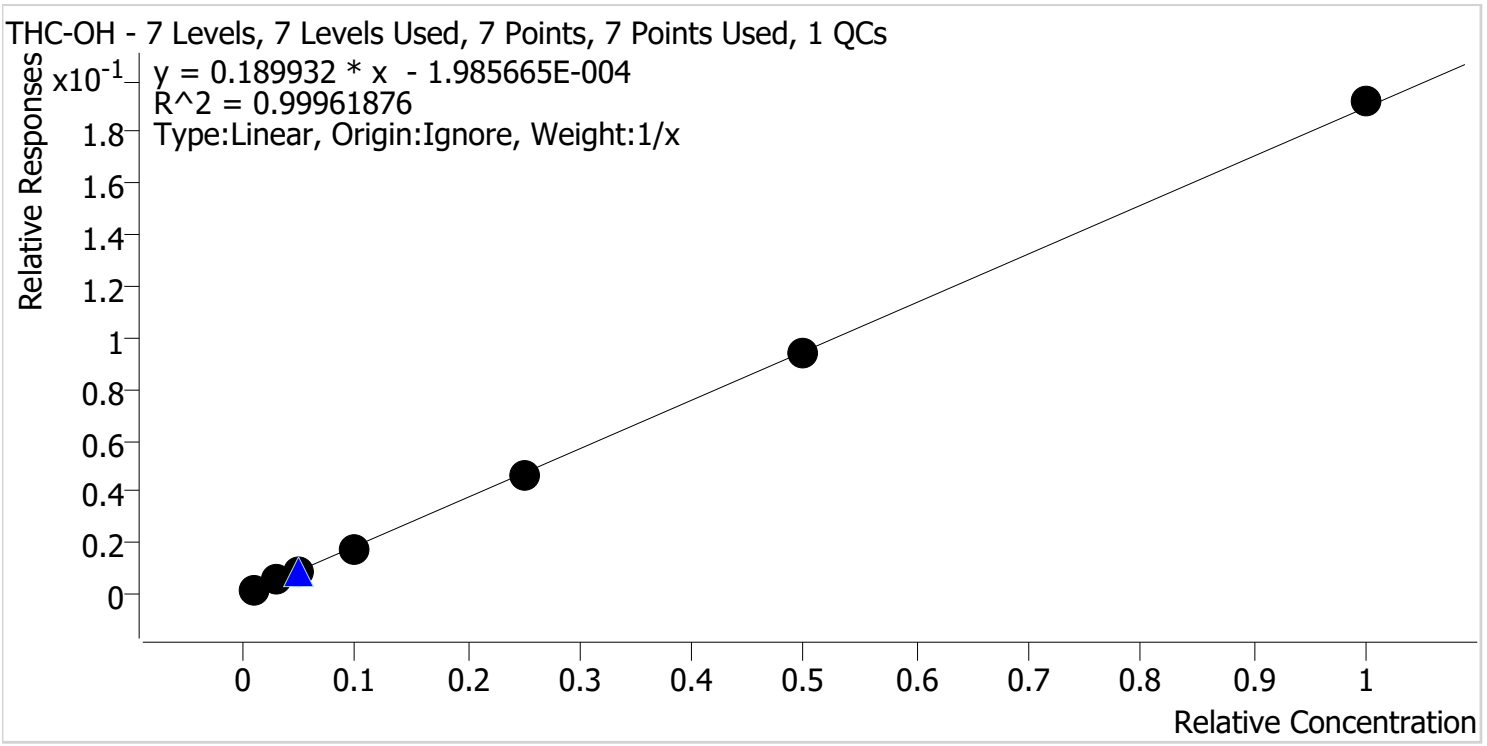
Batch results D:\MassHunter\Data\2020 Data\am 25-26 122120\QuantResults\cann scr.batch.bin
Last Cal. Update 12/21/2020 9:29 PM
Analyst Name ISP\datastor
Analyte THC-COOH **Internal Standard** THC-COOH-d9



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
check std 1ng	1	✔	5.0	5.1	101.9
cal 2	2	✔	10.0	9.9	99.5
cal 3	3	✔	20.0	20.2	100.9
cal 4	4	✔	50.0	48.9	97.8
cal 5	5	✔	75.0	74.1	98.8
cal-6	6	✔	100.0	100.8	100.8
cal-7	7	✔	250.0	251.0	100.4

Compound Calibration Report

Batch results	D:\MassHunter\Data\2020 Data\am 25-26 122120\QuantResults\cann scr.batch.bin
Last Cal. Update	12/21/2020 9:29 PM
Analyst Name	ISP\datastor
Analyte	THC-OH
Internal Standard	THC-OH-d3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
check std 1ng	1	✔	1.0	1.1	109.6
cal 2	2	✔	3.0	2.9	97.8
cal 3	3	✔	5.0	4.9	98.8
cal 4	4	✔	10.0	9.5	95.2
cal 5	5	✔	25.0	24.4	97.6
cal-6	6	✔	50.0	49.9	99.8
cal-7	7	✔	100.0	101.2	101.2

am 26

12/21/20 WORKLIST 4688

	1	2	3	4	5	6
A	IS + Cal. 1	neg blood	c2488-1 did not flow on SLE			IS + QC_1
B	IS + Cal. 2	c2390-1 did not flow on SLE	c2489-1			IS + Cal. 7
C	IS + Cal. 3	c2395-2	c2539-1			IS + Cal. 6
D	IS + Cal. 4	c2410-1	c2541-1			IS + Cal. 5
E	IS + Cal. 5	c2435-1	c2544-1			IS + Cal. 4
F	IS + Cal. 6	c2460-1	p3536-1			IS + Cal. 3
G	IS + Cal. 7	c2473-1	C2390-1			IS + Cal. 2
H	IS + QC_1	c2478-1	C2488-1			IS + Cal. 1

All wells to contain 100 µl of residual DMSO

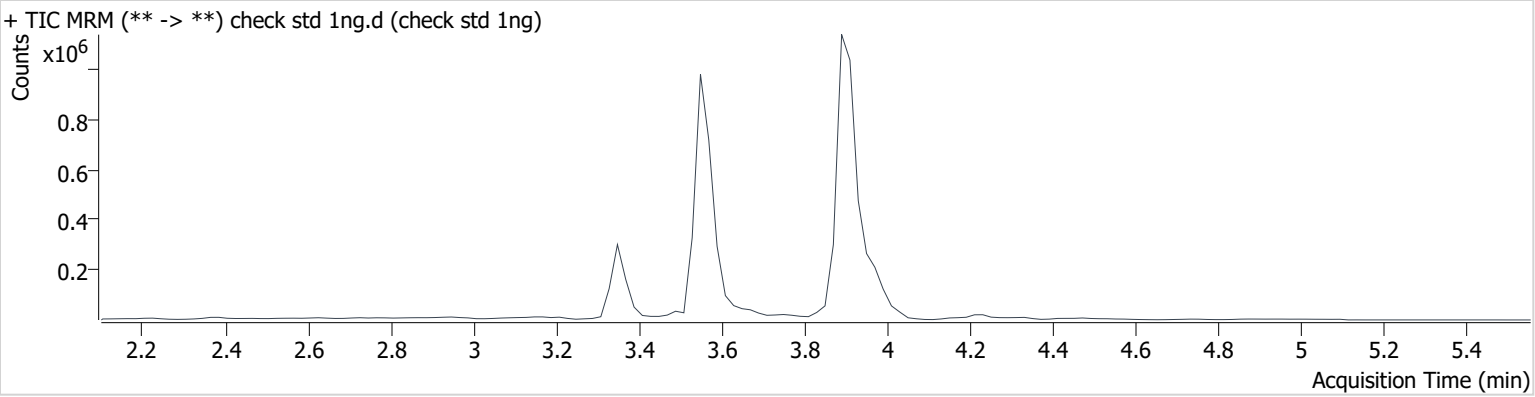
Case #: __2020-_____-__

AM #26 Cannabinoids Screen Result

Batch results D:\MassHunter\Data\2020 Data\am 25-26 122120\QuantResults\cann scr.batch.bin
Calibration Last Update 12/21/2020 9:29:01 PM

Instrument	69679	**Data File**	check std 1ng.d
Type	Cal	**Sample**	check std 1ng
Acq. Method	am 26 cann scr 5-5-20.m	**Operator**	Britany Wylie
Sample Position	P3-A1	**Comment**	
Injection Volume	5		
Acq. Date-Time	12/21/2020 6:35:59 PM		
Sample Info.			

Sample Chromatogram



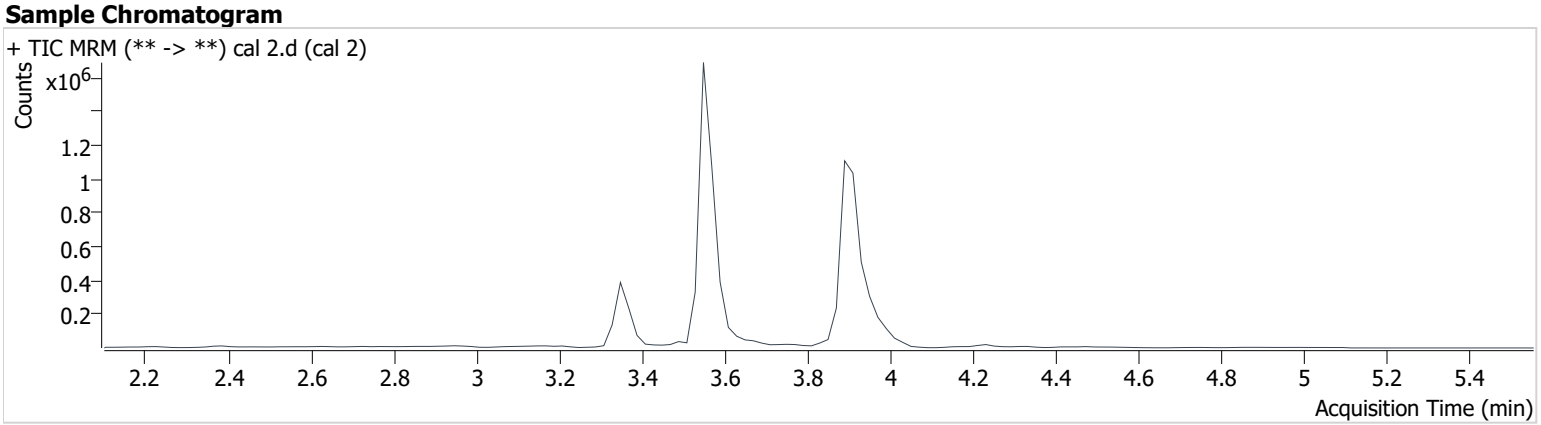
Name	RT	Resp.	ISTD Resp.	Final Conc.		
THC	3.984	3244	421050	1.032	ng/ml	**Low**
THC-COOH	3.351	61306	627282	5.094	ng/ml	
THC-OH	3.558	5697	3026058	1.096	ng/ml	**Low**

AM #26 Cannabinoids Screen Result

Batch results	D:\MassHunter\Data\2020 Data\am 25-26 122120\QuantResults\cann scr.batch.bin
Calibration Last Update	12/21/2020 9:29:01 PM

Instrument	69679	**Data File**	cal 2.d
Type	Cal	**Sample**	cal 2
Acq. Method	am 26 cann scr 5-5-20.m	**Operator**	Britany Wylie
Sample Position	P3-B1	**Comment**	
Injection Volume	5		
Acq. Date-Time	12/21/2020 6:42:37 PM		
Sample Info.			

Sample Chromatogram



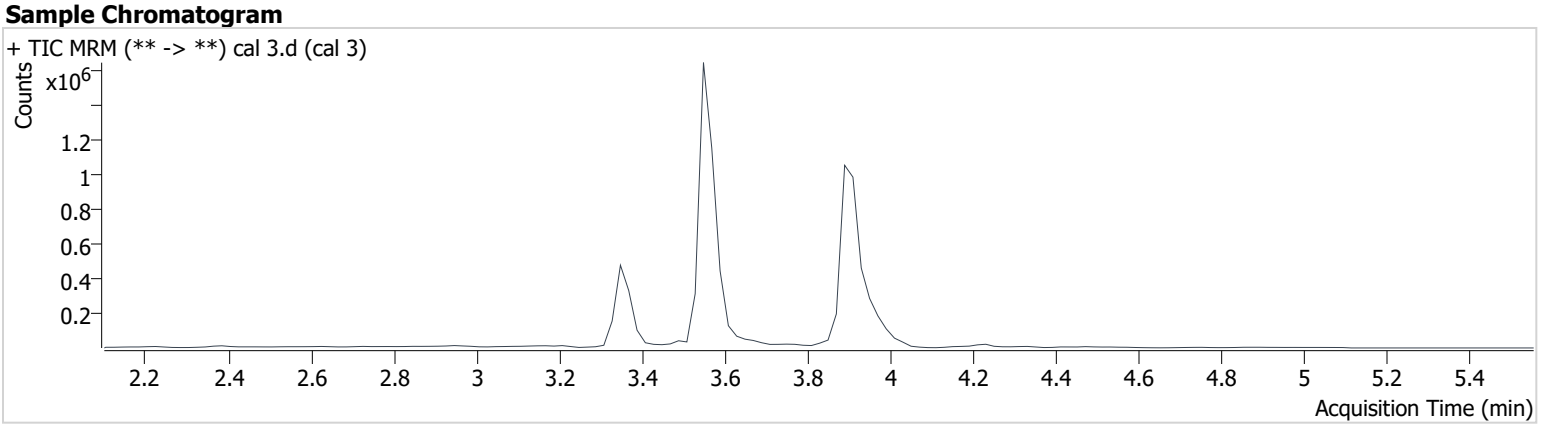
Name	RT	Resp.	ISTD Resp.	Final Conc.		
THC	3.964	10329	424113	3.042	ng/ml	
THC-COOH	3.351	119813	729327	9.947	ng/ml	
THC-OH	3.558	23140	4304306	2.935	ng/ml	**Low**

AM #26 Cannabinoids Screen Result

Batch results D:\MassHunter\Data\2020 Data\am 25-26 122120\QuantResults\cann scr.batch.bin
Calibration Last Update 12/21/2020 9:29:01 PM

Instrument	69679	**Data File**	cal 3.d
Type	Cal	**Sample**	cal 3
Acq. Method	am 26 cann scr 5-5-20.m	**Operator**	Britany Wylie
Sample Position	P3-C1	**Comment**	
Injection Volume	5		
Acq. Date-Time	12/21/2020 6:49:12 PM		
Sample Info.			

Sample Chromatogram



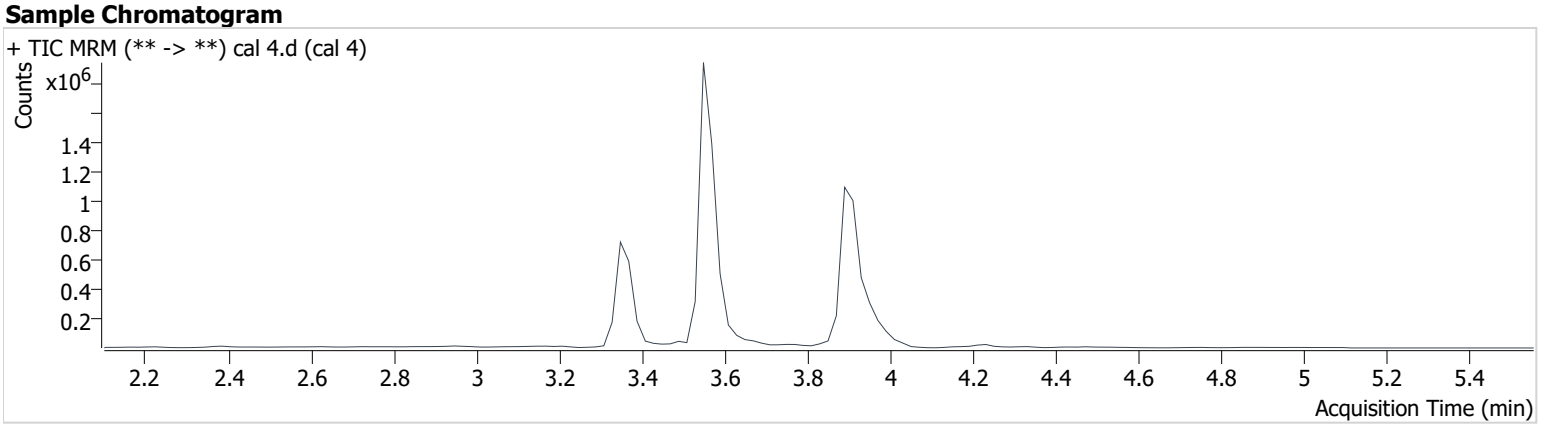
Name	RT	Resp.	ISTD Resp.	Final Conc.	
THC	3.964	17177	415926	5.086	ng/ml
THC-COOH	3.351	230285	756215	20.174	ng/ml
THC-OH	3.558	39087	4257689	4.938	ng/ml

AM #26 Cannabinoids Screen Result

Batch results D:\MassHunter\Data\2020 Data\am 25-26 122120\QuantResults\cann scr.batch.bin
Calibration Last Update 12/21/2020 9:29:01 PM

Instrument	69679	**Data File**	cal 4.d
Type	Cal	**Sample**	cal 4
Acq. Method	am 26 cann scr 5-5-20.m	**Operator**	Britany Wylie
Sample Position	P3-D1	**Comment**	
Injection Volume	5		
Acq. Date-Time	12/21/2020 6:55:48 PM		
Sample Info.			

Sample Chromatogram



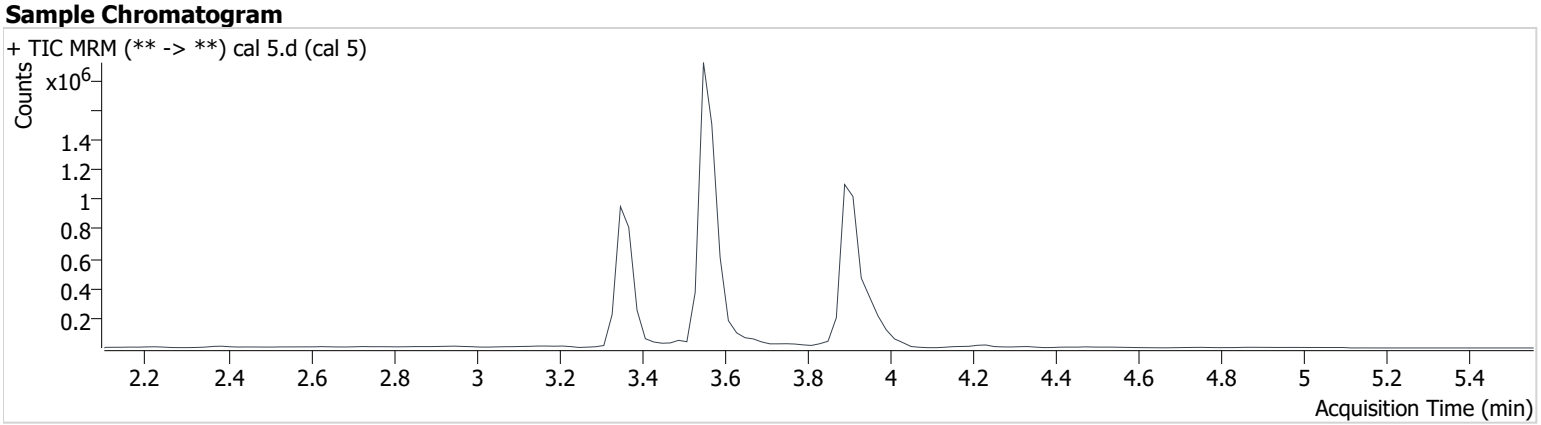
Name	RT	Resp.	ISTD Resp.	Final Conc.	
THC	3.964	33158	422649	9.571	ng/ml
THC-COOH	3.351	528568	756611	48.911	ng/ml
THC-OH	3.558	82923	4638804	9.516	ng/ml

AM #26 Cannabinoids Screen Result

Batch results D:\MassHunter\Data\2020 Data\am 25-26 122120\QuantResults\cann scr.batch.bin
Calibration Last Update 12/21/2020 9:29:01 PM

Instrument	69679	**Data File**	cal 5.d
Type	Cal	**Sample**	cal 5
Acq. Method	am 26 cann scr 5-5-20.m	**Operator**	Britany Wylie
Sample Position	P3-E1	**Comment**	
Injection Volume	5		
Acq. Date-Time	12/21/2020 7:02:24 PM		
Sample Info.			

Sample Chromatogram



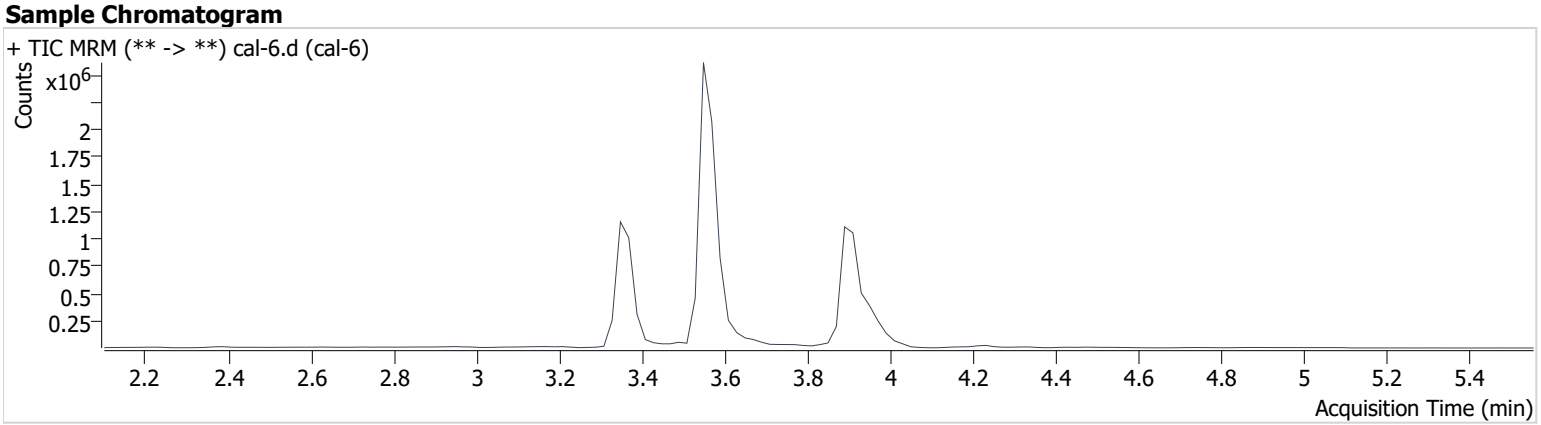
Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	3.964	89865	447108	24.359 ng/ml
THC-COOH	3.351	805551	771861	74.073 ng/ml
THC-OH	3.558	188685	4087267	24.410 ng/ml

AM #26 Cannabinoids Screen Result

Batch results D:\MassHunter\Data\2020 Data\am 25-26 122120\QuantResults\cann scr.batch.bin
Calibration Last Update 12/21/2020 9:29:01 PM

Instrument	69679	**Data File**	cal-6.d
Type	Cal	**Sample**	cal-6
Acq. Method	am 26 cann scr 5-5-20.m	**Operator**	Britany Wylie
Sample Position	P3-F1	**Comment**	
Injection Volume	5		
Acq. Date-Time	12/21/2020 7:09:00 PM		
Sample Info.			

Sample Chromatogram



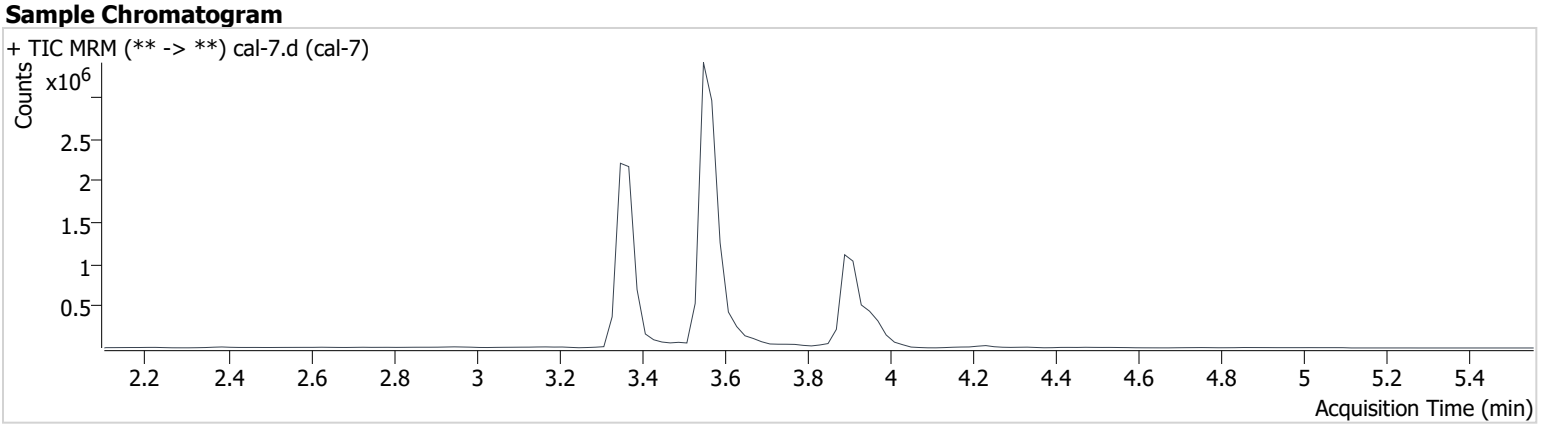
Name	RT	Resp.	ISTD Resp.	Final Conc.	
THC	3.964	179856	438465	49.606	ng/ml
THC-COOH	3.351	1061191	752662	100.783	ng/ml
THC-OH	3.558	402376	4253360	49.913	ng/ml

AM #26 Cannabinoids Screen Result

Batch results D:\MassHunter\Data\2020 Data\am 25-26 122120\QuantResults\cann scr.batch.bin
Calibration Last Update 12/21/2020 9:29:01 PM

Instrument	69679	**Data File**	cal-7.d
Type	Cal	**Sample**	cal-7
Acq. Method	am 26 cann scr 5-5-20.m	**Operator**	Britany Wylie
Sample Position	P3-G1	**Comment**	
Injection Volume	5		
Acq. Date-Time	12/21/2020 7:15:36 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	3.964	352539	420401	101.304 ng/ml
THC-COOH	3.351	2457096	708079	251.017 ng/ml
THC-OH	3.558	771760	4019654	101.192 ng/ml