REVIEWED
By Tamara Salazar at 3:34 pm, Oct 05, 2023

Worklist: 6516

LAB_CASE	ITEM	ITEM_TYPE	DESCRIPTION
C2023-2144	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
C2023-2145	1	UCK	AM 25/AM 26 Urine MultiDrug/THC Screen by LC-QQQ
C2023-2148	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
C2023-2163	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
C2023-2169	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
C2023-2172	1	UCK	AM 25/AM 26 Urine MultiDrug/THC Screen by LC-QQQ
C2023-2173	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
C2023-2175	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
C2023-2176	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
C2023-2179	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
C2023-2190	2	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
C2023-2195	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
C2023-2198	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
C2023-2205	1	UCK	AM 25/AM 26 Urine MultiDrug/THC Screen by LC-QQQ
C2023-2211	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
C2023-2218	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
C2023-2239	2	UCK	AM 25/AM 26 Urine MultiDrug/THC Screen by LC-QQQ
C2023-2242	1	BLOOD	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
C2023-2246	1	UCK	AM 25/AM 26 Urine MultiDrug/THC Screen by LC-QQQ
C2023-2247	1	BLOOD	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
C2023-2255	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ

Worklist: 6516

LAB_CASE	ITEM	ITEM_TYPE	DESCRIPTION
C2023-2261	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
C2023-2273	1	UCK	AM 25/AM 26 Urine MultiDrug/THC Screen by LC-QQQ
C2023-2274	2	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: 10/03/23 Analyst: Anne Nord
Plate lot#: 230712 Plate retest date: 1/12/2024

Mobile phase A: 10mM Ammonium Formate **Mobile phase B:** 0.1% Formic Acid in MeOH
0.5M Ammonium Hydroxide Ethyl Acetate LC 20% Methanol
Blank Blood Lot: 23C57106 **Blank Urine lot:** 8423 **Column**: Agilent Phenyl Hexyl (4.6x50mm, 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.

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: P31168J**
☒ 3. Pipette **250 µL of 0.5 M ammonium hydroxide** in wells of analytical plate.
☒ 4. Place on shaking incubator at ambient temp., 900 rpm for 15 minutes.
☒ 5. Transfer **300 µL of blood or urine+base** mixture to corresponding wells of SLE+ plate.
☒ 6. 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*
☒ 7. Wait 5 minutes.
☒ 8. Add **900 µL ethyl acetate.**
☒ 9. Wait 5 minutes.
☒ 10. Apply positive pressure for approx. 10-15 seconds. ***(12-15 PSI- Selector to the left).***
☒ 11. Add **900 µL ethyl acetate.**
☒ 12. Wait 5 minutes.
☒ 13. Apply positive pressure for approx. 10-15 seconds. ***(12-15 PSI- Selector to the left).***
☒ 14. Remove plate containing eluate. add 50 ul 1% HCl in MeOH Place on SPE Dry and evaporate to dryness at approx. 35°C.
SPE Dry ID: 66819
☒ 15. 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:

	1	2	3	4	5	6	7	8	9	10	11	12
A						2148-1	2195-1	2274-2				
B						2163-1	2198-1	negative urine				
C						2169-1	2211-1	2144-1		2172-1		
D						2173-1	2218-1			2205-1		
E						2175-1	2242-1			2246-1		internal urine control
F						2176-1	2247-1			2239-2		
G					negative blood	2179-1	2255-1			2145-1		
H						2190-2	2261-1			2273-1		cal 1

C2023-____-_

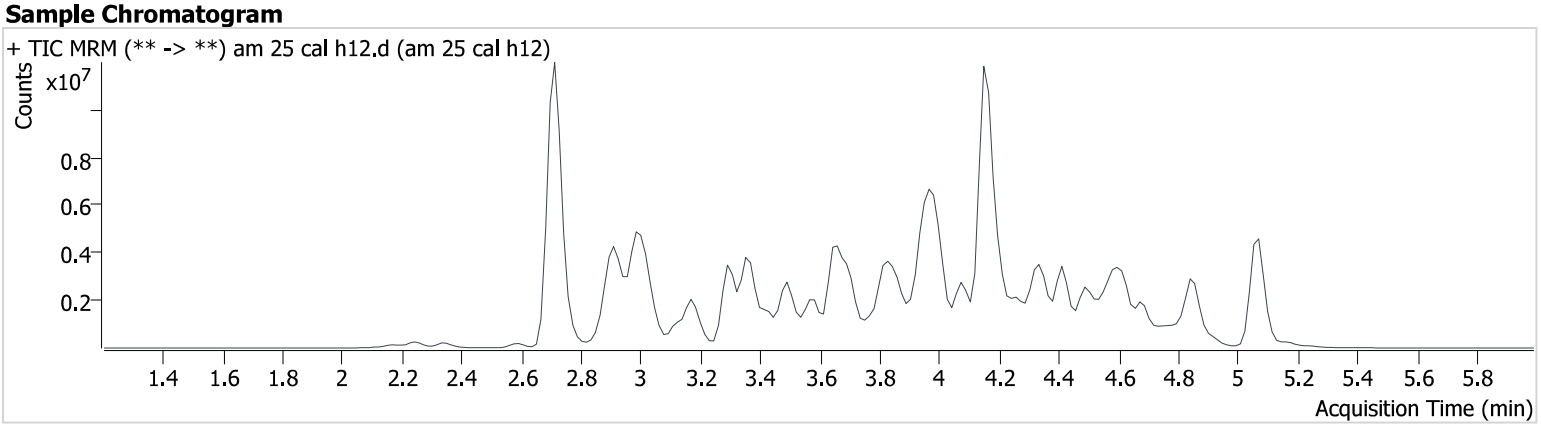
plate position 2

AM #25 Multi-Drug Screen Results

Batch results D:\MassHunter\Data\2023\am 25-26\100323\QuantResults\mds.batch.bin
Calibration Last Update 10/4/2023 11:10:45 AM

Instrument	69679	**Data File**	am 25 cal h12.d
Type	Cal	**Sample**	am 25 cal h12
Acq. Method	mds713.m	**Operator**	Anne Nord
Sample Position	P2-H12	**Comment**	
Injection Volume	2.5		
Acq. Date-Time	10/3/2023 4:23:15 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
10-OH-Carbamazepine	3.851	400177	6477.2	52.6	424357	10.000
6-MAM	2.863	18504	12583.3	8096.5	801974	10.000
7-aminoclonazepam	3.602	61290	21162.8	83769.6	572036	10.000
7-aminoflunitrazepam	3.833	347082	124302.0	27942.4	572036	10.000
9-Hydroxyrisperidone	3.948	2321391	1897.9	32730.2	572036	10.000
Acetyl Fentanyl	3.829	135323	435.6	14397.5	3752139	10.000
Acetyl Norfentanyl	2.887	111013	80565.2	1352.3	9442952	10.000
a-hydroxyalprazolam	4.705	55202	272.1	5807.4	424357	10.000
alpha-hydroxymidazolam	4.734	397266	2340.1	970.0	2435975	10.000
alpha-PHP	3.867	1431510	2136.4	2583.7	3140649	10.000
alpha-PVP	3.561	1674602	11388.6	757.9	3140649	10.000
Alprazolam	4.784	690638	298.2	397.5	2435975	10.000
Amitriptyline	4.635	799405	328.5	757.0	2852173	10.000
Amphetamine	2.937	1010380	611.7	2294.7	3140649	10.000
Benzoylecgonine	3.432	15261	1723.9	1406.3	74837	10.000
Bromazolam	4.856	213462	1183.4	300.1	2435975	10.000
Brompheniramine	4.215	62590	26130.6	∞	4579102	10.000
Buprenorphine	4.270	3285	1107.5	4595.1	865185	10.000
Bupropion	3.837	1693264	7123.8	475.4	7154393	10.000
Carbamazepine	4.361	2479033	∞	281.3	2532427	10.000
Carisoprodol	4.298	353662	1957.7	98.1	1769266	10.000
Chlordiazepoxide	4.923	195089	30297.4	419.0	2435975	10.000
Chlorpheniramine	4.095	2924579	25928.4	6334.8	4579102	10.000
Chlorpromazine	4.843	680841	231905.2	960.1	2666690	10.000
Citalopram	4.260	1375328	1520.2	901.3	29372198	10.000
Clomimpramine	4.859	741048	1012.9	554.1	1333715	10.000
Clonazepam	4.630	89976	56463.4	24664.7	26626	10.000
Clonazolam	4.518	181286	81479.0	18093.3	424357	10.000
clozapine	4.412	1724408	374036.6	377637.8	7455092	10.000
Cocaethylene	3.876	1733240	1238.7	249638.9	9799415	10.000
Cocaine	3.646	1998743	597.2	982.4	9799415	10.000
Codeine	2.728	129149	1854.1	138.7	2532427	10.000
Cyclobenzaprine	4.542	1354322	569875.1	37.6	2852173	10.000
Desipramine	4.589	1796975	731911.2	4008.4	2852173	10.000

AM #25 Multi-Drug Screen Results

Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
Dextromethorphan	4.204	863625	256994.7	236030.1	4579102	10.000
Dextrorphan	3.435	1254791	128041.8	1767.2	3140649	10.000
Diazepam	5.047	395518	774.4	762.0	2435975	10.000
Dihydrocodeine	2.682	439470	6975.1	56134.4	2532427	10.000
Dimethyltriptamine	2.995	845561	2039.1	921.8	3140649	10.000
Diphenhydramine	4.159	4851926	2050.5	619.6	29372198	10.000
Doxepin	4.326	822678	223.0	150.3	7455092	10.000
Doxylamine	3.711	3713981	500.9	2605.7	3140649	10.000
Duloxetine	4.540	29302	9775.5	3974.8	1333715	10.000
EDDP	4.203	208282	76.0	23517.7	969104	10.000
Estazolam	4.694	1097787	1467.7	165.7	2435975	10.000
Etizolam	4.765	49423	32746.5	98043.6	2435975	10.000
Fentanyl	4.090	106512	51.8	29653.8	6488481	10.000
Flualprazolam	4.597	263455	293.4	147131.7	2435975	10.000
Flunitrazepam	4.737	466246	816.0	156885.9	424357	10.000
Fluorofentanyl	4.119	93134	30251.4	335.1	6488481	10.000
Fluoxetine	4.523	1048797	914.5	19524.1	1333715	10.000
Flurazepam	4.256	1270899	574095.0	85018.0	865185	10.000
Hydrocodone	2.957	407006	523.5	483.2	2532427	10.000
Hydromorphone	2.352	401042	822.9	457.8	96282	10.000
hydroxyzine	4.671	1705081	593583.9	508953.8	7455092	10.000
Imipramine	4.587	2314412	816.4	96.0	2852173	10.000
Ketamine	3.437	1072164	36707.0	135.1	4075858	10.000
Lamotrigine	3.604	73627	23122.6	38103.5	3140649	10.000
Levamisole	2.903	625989	22412.7	452.4	9799415	10.000
Levetiracetam	2.601	198967	131.7	349.1	572036	10.000
Lorazepam	4.598	11748	∞	52.3	424357	10.000
Maprotiline	4.619	607229	169371.8	121.4	2852173	10.000
MDA	3.057	979075	806.0	599.6	9834328	10.000
MDEA	3.286	1805473	701.8	1851.1	9834328	10.000
MDMA	3.133	1683570	898.7	347.4	9834328	10.000
Meperidine	3.667	855762	2849.0	86965.4	96282	10.000
Meprobamate	3.716	133544	336.7	60.0	1769266	10.000
Methadone	4.553	2804678	1400.7	27460.6	3752139	10.000
Methamphetamine	3.028	1269216	∞	∞	9834328	10.000
Methocarbamol	3.667	72392	795.3	494.7	1769266	10.000
Methylphenidate	3.591	3440803	2461.1	419.6	5410578	10.000
Metoprolol	3.495	365655	2044.0	48922.4	3140649	10.000
Midazolam	4.781	247351	89782.4	81861.0	572036	10.000
Mirtazapine	3.773	1044646	2202.3	1450.0	865185	10.000
Mitragynine	4.255	184135	59787.0	649.9	6488481	10.000
Morphine	2.171	105435	1413.5	434.3	96282	10.000
Norbuprenorphine	3.902	23410	13686.4	6050.7	865185	10.000
Nordiazepam	4.896	95795	351.8	62.0	2435975	10.000
Norfentanyl	3.376	1876988	2090.1	345.8	9442952	10.000
Norhydrocodone	2.958	75820	514.0	19493.2	2532427	10.000
norketamine	3.453	112553	161.6	274053.6	4075858	10.000
Normeperidine	3.699	1146185	417.2	355.4	96282	10.000
Noroxycodone	2.911	436770	239.9	67969.5	2532427	10.000
Nortriptyline	4.637	668255	653.1	203.2	1333715	10.000
O-desmethyl-tramadol	2.915	2698683	1348.4	281.4	3752139	10.000
O-Desmethylvenlafaxine	3.296	820075	120.0	9463.9	3752139	10.000
Olanzapine	3.692	916868	627471.9	98389.8	1333715	10.000
Oxazepam	4.710	58387	135.2	11.9	424357	10.000
Oxycodone	2.909	842240	330.9	16160.8	4075858	10.000
Oxymorphone	2.242	423645	3612.3	2205.5	96282	10.000
Paroxetine	4.535	133417	500.9	32027.5	1333715	10.000
Phenazepam	4.825	140764	69067.0	36163.7	2435975	10.000
Phencyclidine	4.022	2085078	1715.8	277.8	3752139	10.000
Phentermine	3.196	504543	∞	164.1	5410578	10.000

AM #25 Multi-Drug Screen Results

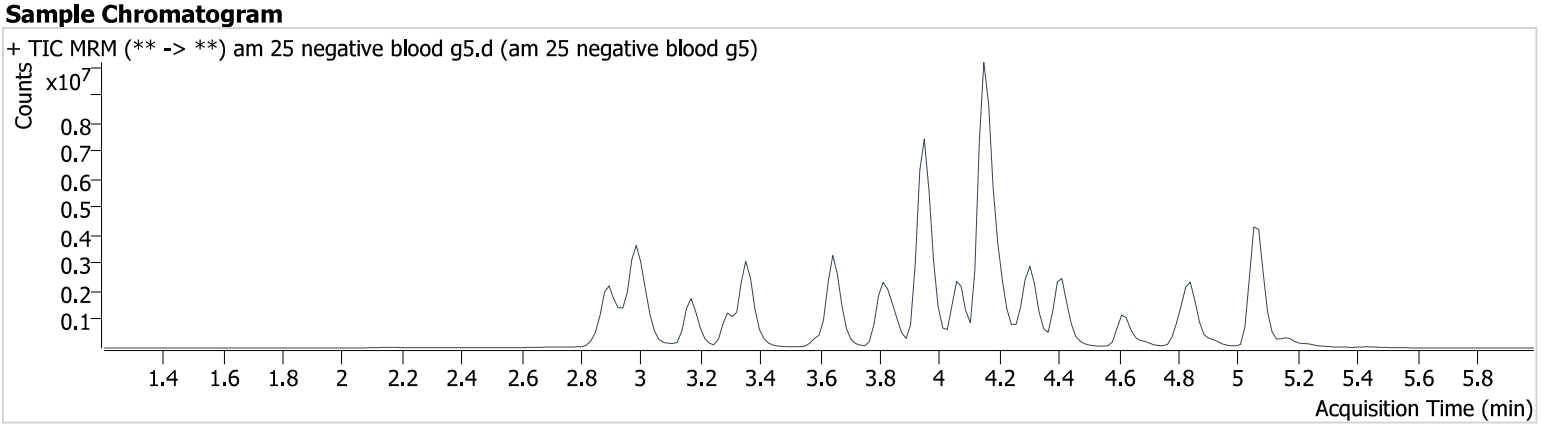
Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
Phenytoin	4.237	58348	17172.3	32.1	26626	10.000
primidone	3.516	54996	18157.2	140.1	26626	10.000
Promethazine	4.510	2285030	1361.7	254.9	2852173	10.000
Pseudoephedrine	2.722	34973226	2218.4	10262.0	5410578	10.000
Quetiapine	4.471	2274803	11993.6	338573.1	4579102	10.000
Risperidone	4.133	2388032	666946.5	79814.5	4579102	10.000
Sertraline	4.815	260610	318.0	497.2	1333715	10.000
Sufentanil	4.379	72892	23182.9	15909.7	6488481	10.000
Tapentadol	3.516	1889113	2147.9	515.3	4075858	10.000
Temazepam	4.862	527332	245.2	113.9	2435975	10.000
Topiramate	3.920	4736	891.3	2995.2	25885	10.000
Tramadol	3.496	5830180	1097.4	119.9	801974	10.000
Trazodone	4.349	1578371	575199.7	471688.8	7391499	10.000
Venlafaxine	3.910	2820606	4645.3	231.7	3752139	10.000
Xylazine	3.408	131554	36.4	761.6	3752139	10.000
Zaleplon	4.494	475063	130607.6	100988.8	424357	10.000
Zolpidem	4.000	2459462	1697484.8	488.9	11696989	10.000
Zopiclone	3.995	160182	84646.9	14178.1	727751	10.000

AM #25 Multi-Drug Screen Results

Batch results D:\MassHunter\Data\2023\am 25-26\100323\QuantResults\mds.batch.bin
Calibration Last Update 10/4/2023 11:10:45 AM

Instrument	69679	**Data File**	am 25 negative blood g5.d
Type	Sample	**Sample**	am 25 negative blood g5
Acq. Method	mds713.m	**Operator**	Anne Nord
Sample Position	P2-G5	**Comment**	
Injection Volume	2.5		
Acq. Date-Time	10/3/2023 4:36:49 PM		
Sample Info.			

Sample Chromatogram

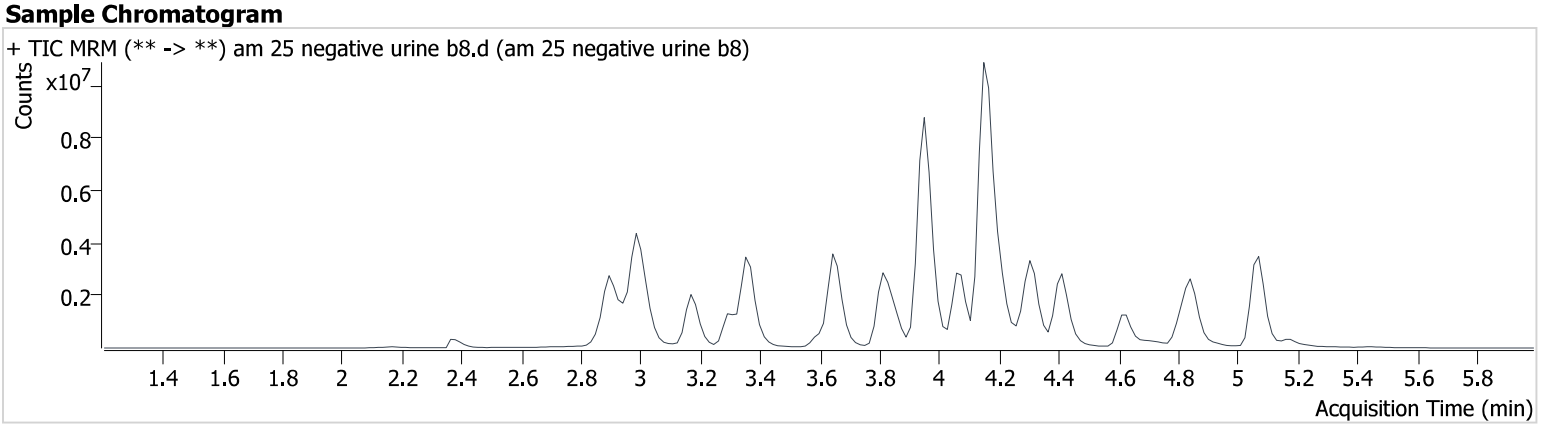


AM #25 Multi-Drug Screen Results

Batch results D:\MassHunter\Data\2023\am 25-26\100323\QuantResults\mds.batch.bin
Calibration Last Update 10/4/2023 11:10:45 AM

Instrument	69679	**Data File**	am 25 negative urine b8.d
Type	Sample	**Sample**	am 25 negative urine b8
Acq. Method	mds713.m	**Operator**	Anne Nord
Sample Position	P2-B8	**Comment**	
Injection Volume	2.5		
Acq. Date-Time	10/3/2023 6:44:16 PM		
Sample Info.			

Sample Chromatogram

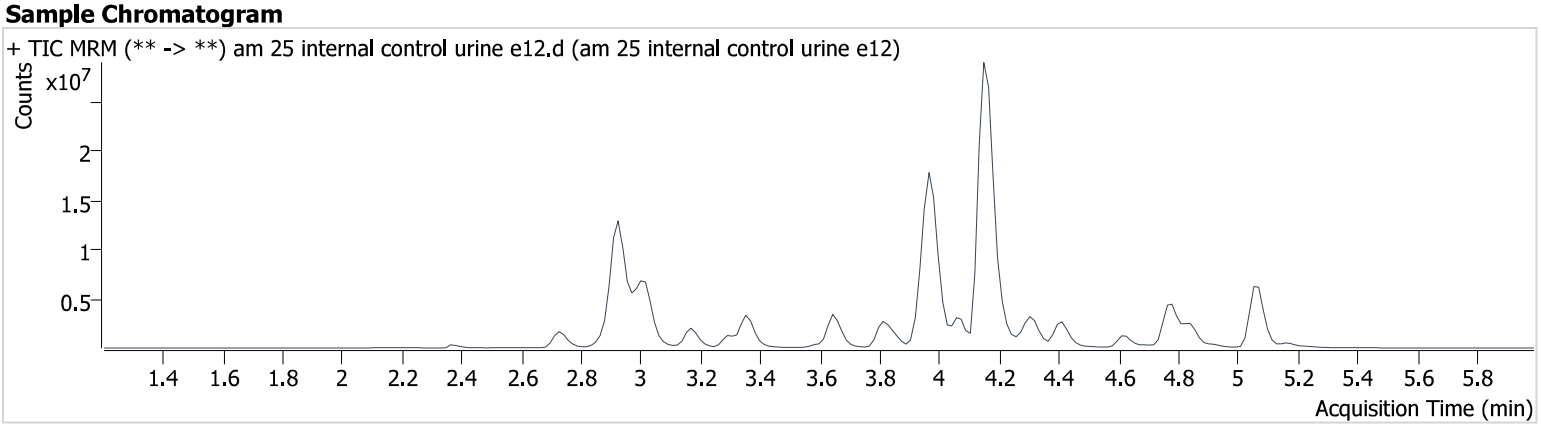


AM #25 Multi-Drug Screen Results

Batch results D:\MassHunter\Data\2023\am 25-26\100323\QuantResults\mds.batch.bin
Calibration Last Update 10/4/2023 11:10:45 AM

Instrument	69679	**Data File**	am 25 internal control urine e12.d
Type	Sample	**Sample**	am 25 internal control urine e12
Acq. Method	mds713.m	**Operator**	Anne Nord
Sample Position	P2-E12	**Comment**	
Injection Volume	2.5		
Acq. Date-Time	10/3/2023 4:30:07 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.	
Alprazolam	4.769	7643303	894.6	462.2	2909820	92.648	
Amphetamine	2.937	10597803	1320.2	28080.5	3363870	97.929	
Codeine	2.728	1807810	6959.1	16541.6	3025066	117.183	
Diphenhydramine	4.159	50076205	1239.2	2310.5	32324833	93.782	
Methamphetamine	3.028	2869239	∞	∞	11580080	19.198	< 32
Zolpidem	3.985	33124130	264633.0	18952.3	13618016	115.682	

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

Extraction Date: ~~10/04/23~~ 10/3/23 10/5/23 Analyst: Anne Nord

Plate lot#: 230627 Plate retest date: 12/27/2023

Mobile phase A: 10mM Ammonium Formate 0.1% Formic Acid in Water **Mobile phase B:** 0.1% Formic acid in MeOH MTBE Hexane
Blank Blood Lot: 23C57106 **Urine Blank:** 8423
Column: Agilent Phenyl Hexyl (4.6x50mm: 2.7 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: I41142J** 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 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:

	1	2	3	4	5	6
a	cal 1	Internal control urine	2179-1	2255-1	2246-1	
b	cal 2	negative blood	2190-~~1~~ 2	2261-1	2273-1	
c	cal 3	2144-1	2195-1	2274-2	2218-1 SLE and injection plate	
d	cal 4	2148-1	2198-1	negative urine		
e	cal 5	2163-1	2211-1	2145-1		
f	cal 6	2169-1	2218-1 mixing plate	2172-1		
g	cal 7	2175-1	2242-1	2205-1		
h	Internal control (blood)	2176-1	2247-1	2239-~~1~~ 2		

Plate position 3

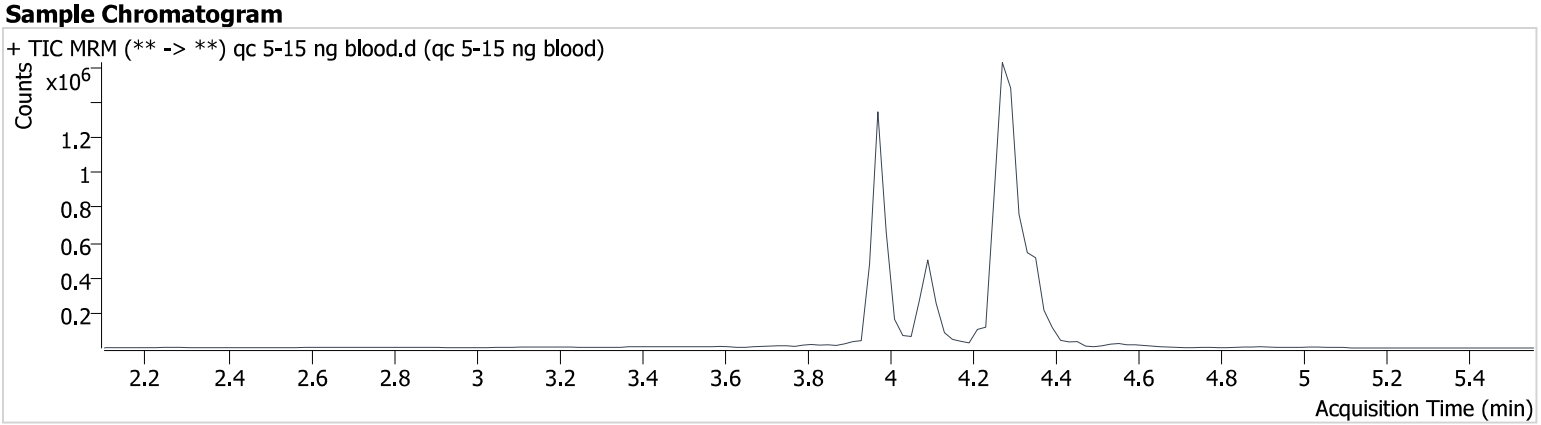
c2023-____-_

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2023\am 25-26\100323\QuantResults\cann.batch.bin
Calibration Last Update 10/4/2023 9:54:27 AM

Instrument	69679	**Data File**	qc 5-15 ng blood.d
Type	QC	**Sample**	qc 5-15 ng blood
Acq. Method	am 26 cann scr 5-5-20.m	**Operator**	Anne Nord
Sample Position	P3-H1	**Comment**	
Injection Volume	5		
Acq. Date-Time	10/3/2023 9:10:49 PM		
Sample Info.			

Sample Chromatogram



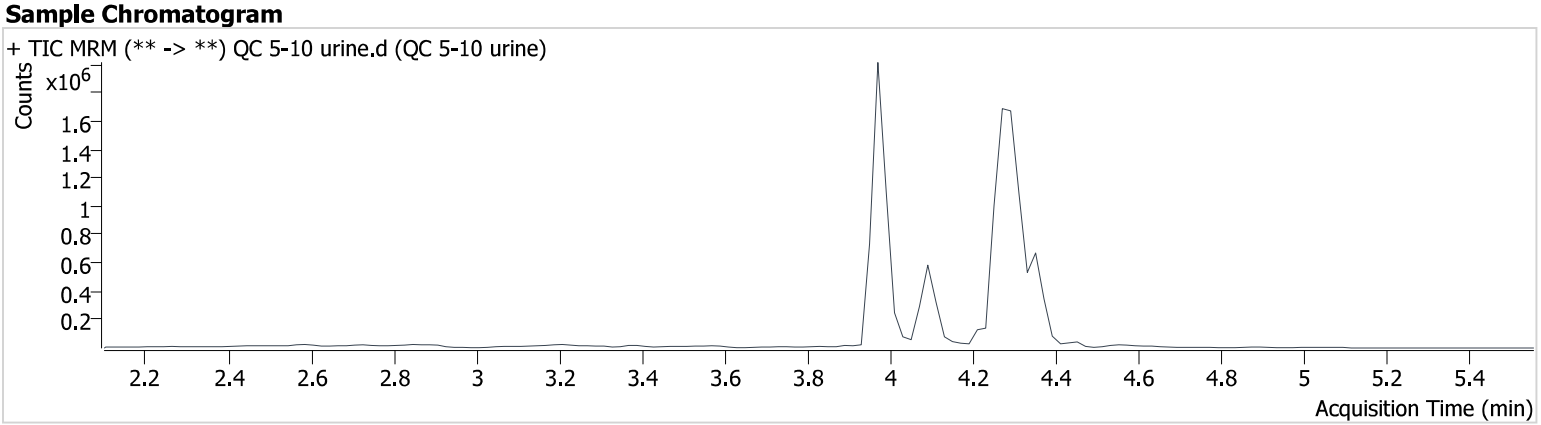
Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	4.365	19672	634744	4.317 ng/ml
THC-COOH	4.093	159143	804526	14.746 ng/ml
THC-OH	3.979	20586	2910453	4.655 ng/ml

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2023\am 25-26\100323\QuantResults\cann.batch.bin
Calibration Last Update 10/4/2023 9:54:27 AM

Instrument	69679	**Data File**	QC 5-10 urine.d
Type	Sample	**Sample**	QC 5-10 urine
Acq. Method	am 26 cann scr 5-5-20.m	**Operator**	Anne Nord
Sample Position	P3-A2	**Comment**	
Injection Volume	5		
Acq. Date-Time	10/3/2023 9:17:17 PM		
Sample Info.			

Sample Chromatogram



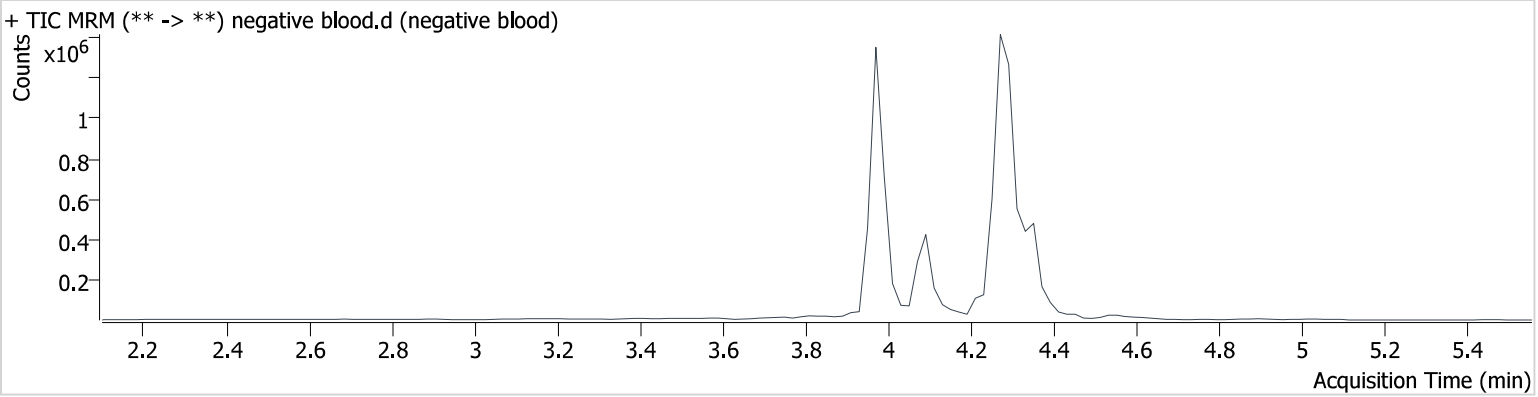
Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	4.365	40153	841891	6.532 ng/ml
THC-COOH	4.093	197879	957385	15.417 ng/ml
THC-OH	3.979	32799	4655396	4.637 ng/ml

AM #26 Cannabinoids Screen Results

Batch results	D:\MassHunter\Data\2023\am 25-26\100323\QuantResults\cann.batch.bin
Calibration Last Update	10/4/2023 9:54:27 AM

Instrument	69679	**Data File**	negative blood.d
Type	Sample	**Sample**	negative blood
Acq. Method	am 26 cann scr 5-5-20.m	**Operator**	Anne Nord
Sample Position	P3-B2	**Comment**	
Injection Volume	5		
Acq. Date-Time	10/3/2023 9:23:46 PM		
Sample Info.			

Sample Chromatogram

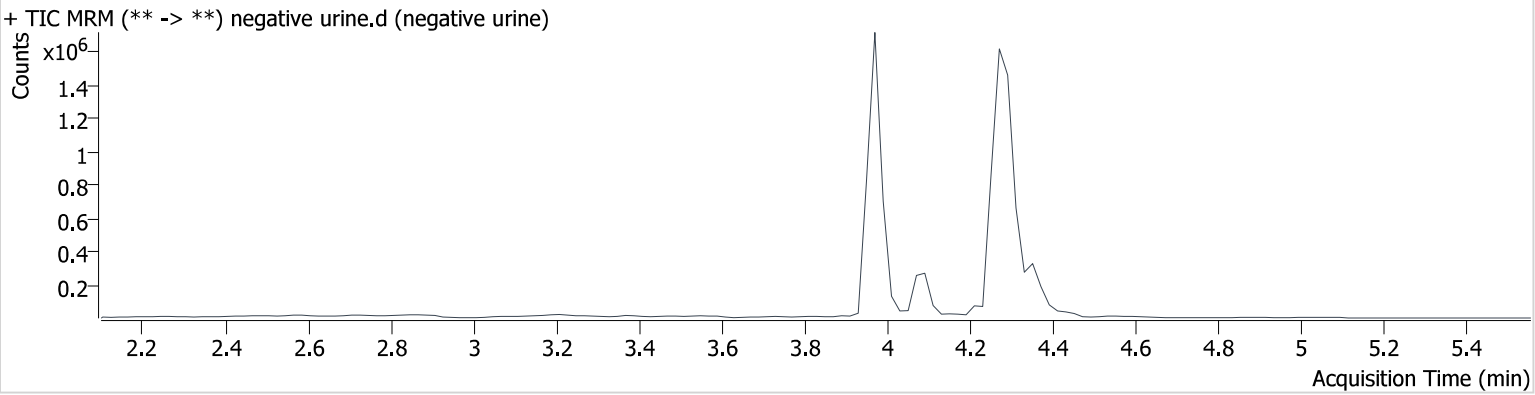


AM #26 Cannabinoids Screen Results

Batch results	D:\MassHunter\Data\2023\am 25-26\100323\QuantResults\cann.batch.bin
Calibration Last Update	10/4/2023 9:54:27 AM

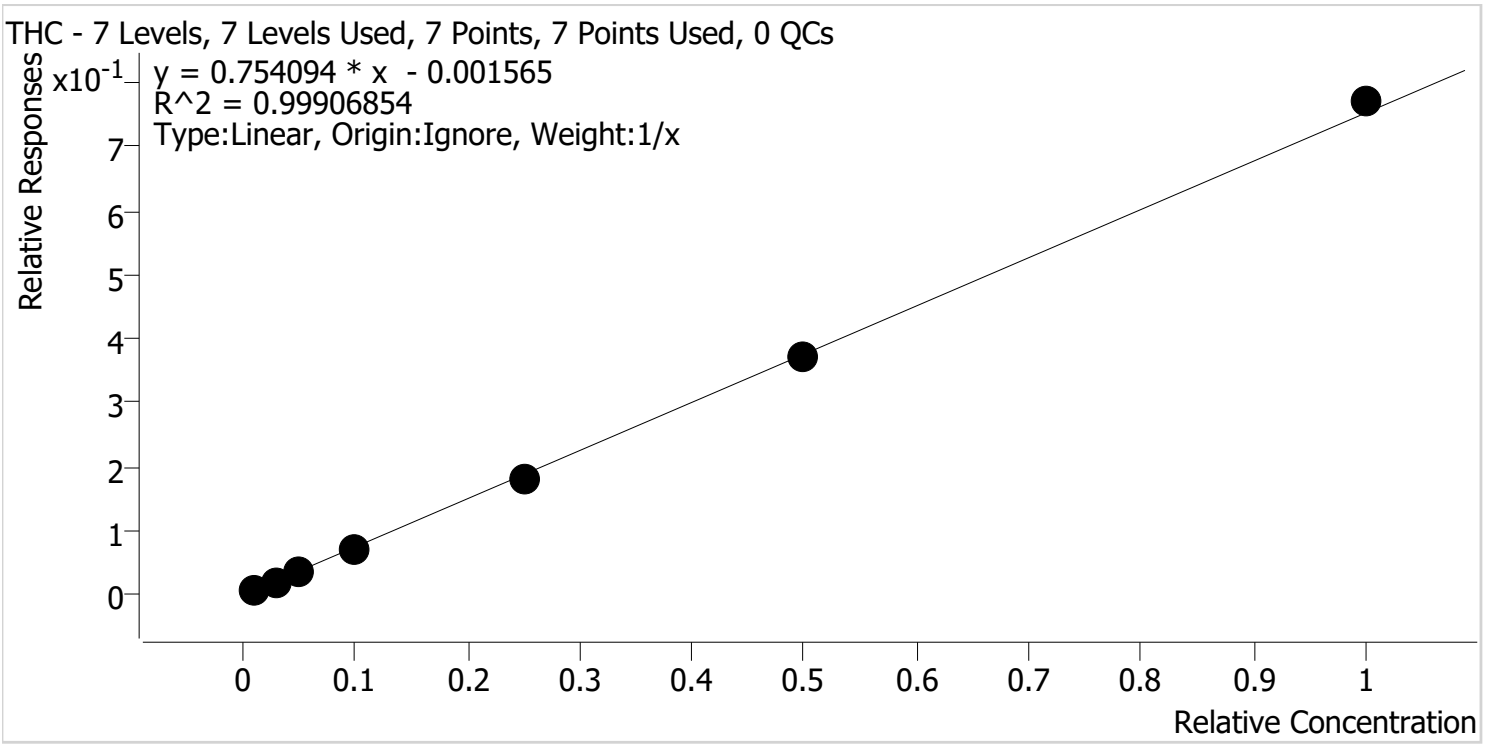
Instrument	69679	**Data File**	negative urine.d
Type	Sample	**Sample**	negative urine
Acq. Method	am 26 cann scr 5-5-20.m	**Operator**	Anne Nord
Sample Position	P3-D4	**Comment**	
Injection Volume	5		
Acq. Date-Time	10/3/2023 11:20:16 PM		
Sample Info.			

Sample Chromatogram



Compound Calibration Report

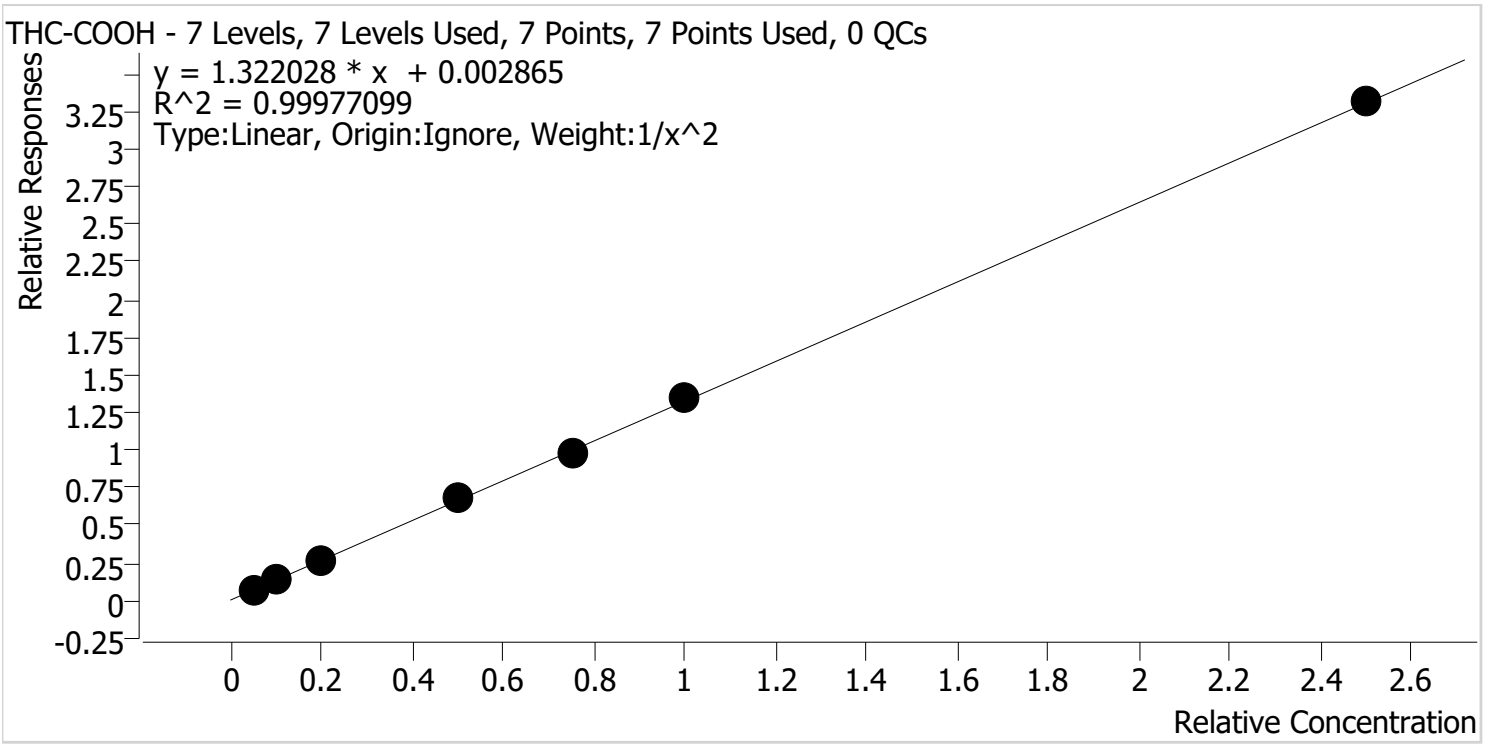
Batch results	D:\MassHunter\Data\2023\am 25-26\100323\QuantResults\cann.batch.bin
Last Cal. Update	10/4/2023 9:54 AM
Analyst Name	ISP\datastor
Analyte	THC
Internal Standard	THC-d3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1	1	✔	1.0	1.1	114.7
cal 2	2	✔	3.0	2.9	95.8
cal 3	3	✔	5.0	4.9	97.3
cal 4	4	✔	10.0	9.5	95.1
cal 5	5	✔	25.0	24.1	96.4
cal-6	6	✔	50.0	49.2	98.4
cal-7	7	✔	100.0	102.3	102.3

Compound Calibration Report

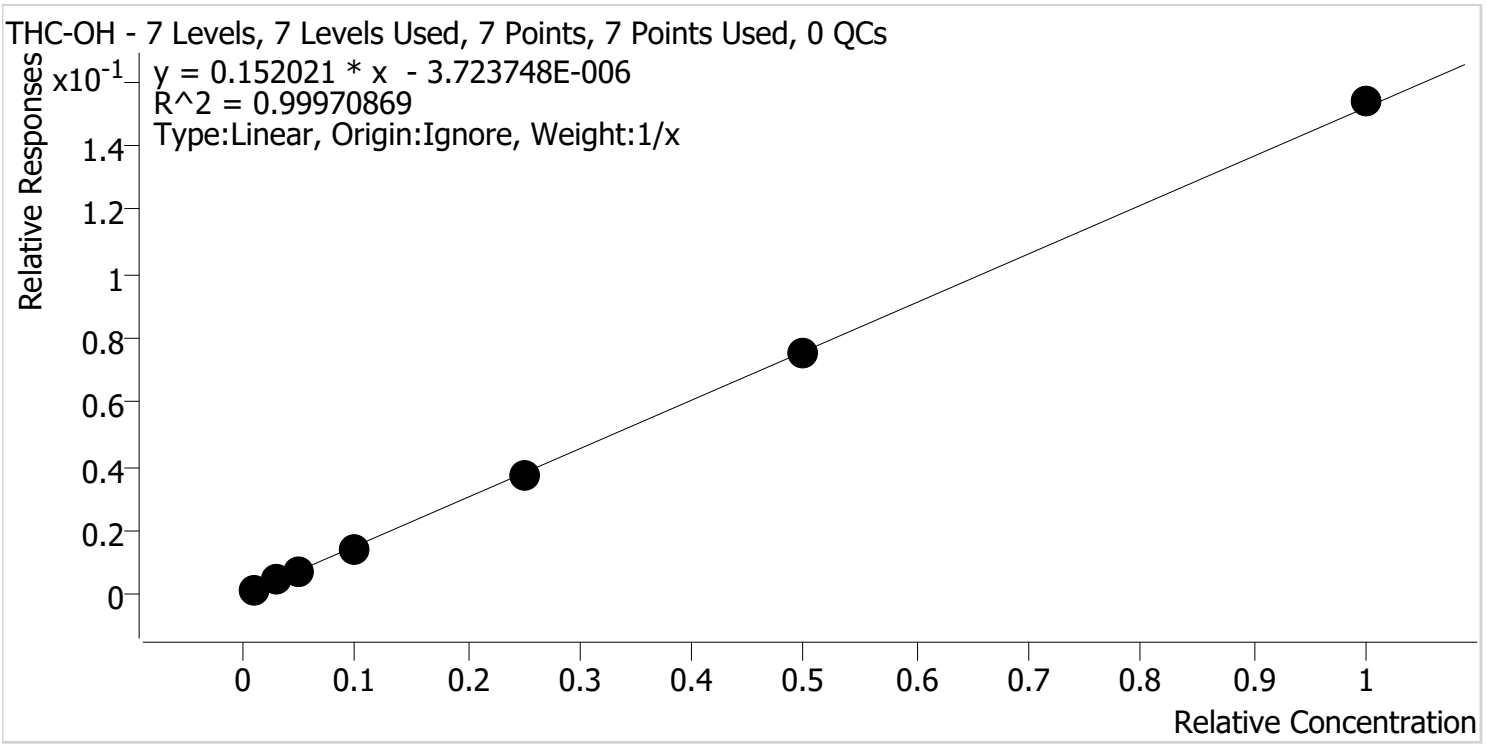
Batch results	D:\MassHunter\Data\2023\am 25-26\100323\QuantResults\cann.batch.bin
Last Cal. Update	10/4/2023 9:54 AM
Analyst Name	ISP\datastor
Analyte	THC-COOH
Internal Standard	THC-COOH-d9



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1	1	✔	5.0	5.0	100.6
cal 2	2	✔	10.0	10.0	99.5
cal 3	3	✔	20.0	19.6	98.0
cal 4	4	✔	50.0	50.6	101.1
cal 5	5	✔	75.0	74.3	99.0
cal-6	6	✔	100.0	101.5	101.5
cal-7	7	✔	250.0	250.7	100.3

Compound Calibration Report

Batch results	D:\MassHunter\Data\2023\am 25-26\100323\QuantResults\cann.batch.bin
Last Cal. Update	10/4/2023 9:54 AM
Analyst Name	ISP\datastor
Analyte	THC-OH
Internal Standard	THC-OH-d3



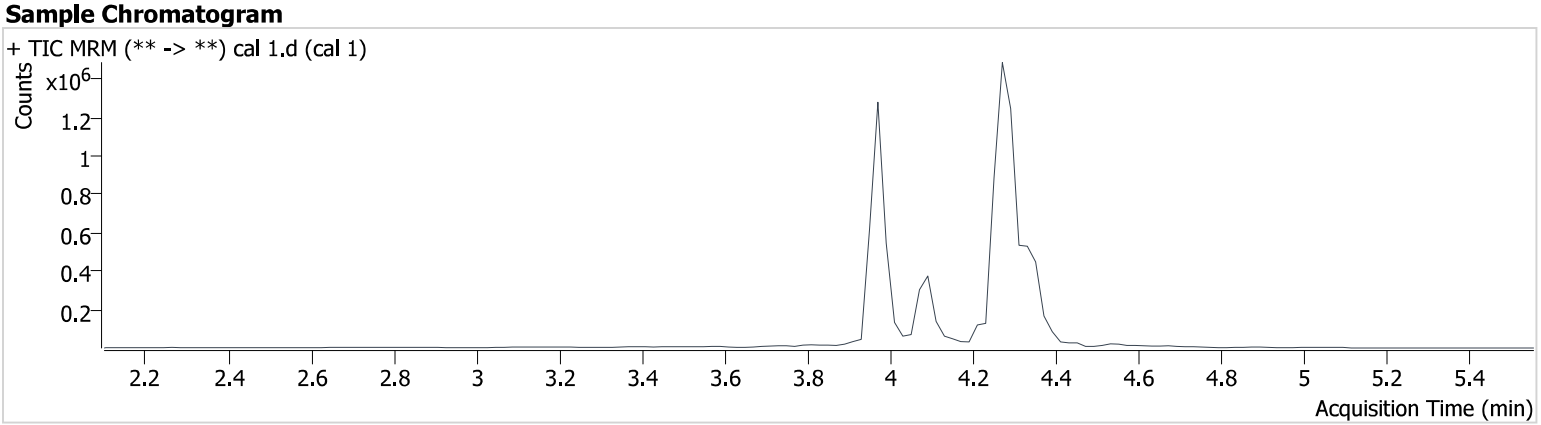
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1	1	✔	1.0	1.1	108.0
cal 2	2	✔	3.0	2.9	97.7
cal 3	3	✔	5.0	5.0	99.4
cal 4	4	✔	10.0	9.6	96.3
cal 5	5	✔	25.0	24.5	97.9
cal-6	6	✔	50.0	49.7	99.4
cal-7	7	✔	100.0	101.2	101.2

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2023\am 25-26\100323\QuantResults\cann.batch.bin
Calibration Last Update 10/4/2023 9:54:27 AM

Instrument	69679	**Data File**	cal 1.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	10/3/2023 8:25:20 PM		
Sample Info.			

Sample Chromatogram



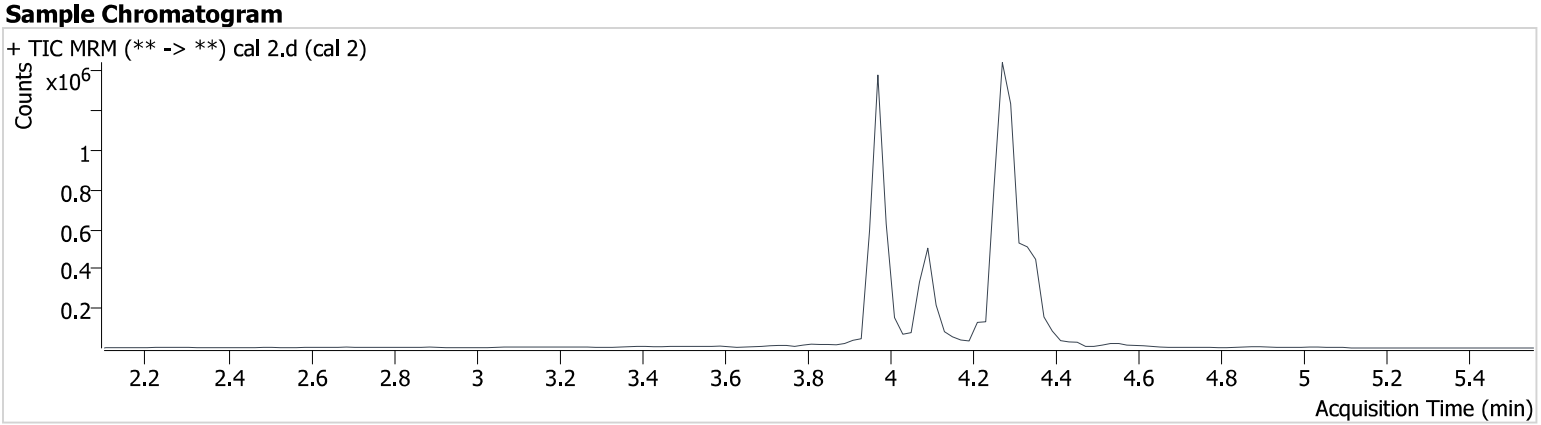
Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	4.345	5549	783578	1.147 ng/ml **Low**
THC-COOH	4.093	55582	801119	5.031 ng/ml **Low**
THC-OH	3.979	4876	2976647	1.080 ng/ml **Low**

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2023\am 25-26\100323\QuantResults\cann.batch.bin
Calibration Last Update 10/4/2023 9:54:27 AM

Instrument	69679	**Data File**	cal 2.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	10/3/2023 8:31:58 PM		
Sample Info.			

Sample Chromatogram



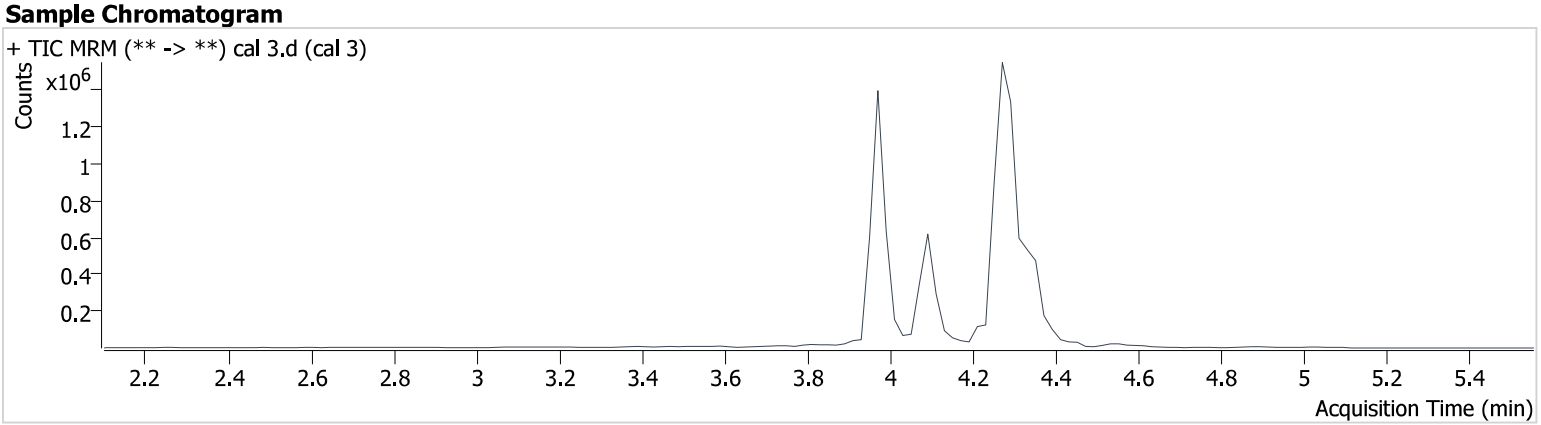
Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	4.365	14805	736007	2.875 ng/ml **Low**
THC-COOH	4.093	121814	906174	9.951 ng/ml **Low**
THC-OH	3.979	13771	3094057	2.930 ng/ml **Low**

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2023\am 25-26\100323\QuantResults\cann.batch.bin
Calibration Last Update 10/4/2023 9:54:27 AM

Instrument	69679	**Data File**	cal 3.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	10/3/2023 8:38:27 PM		
Sample Info.			

Sample Chromatogram



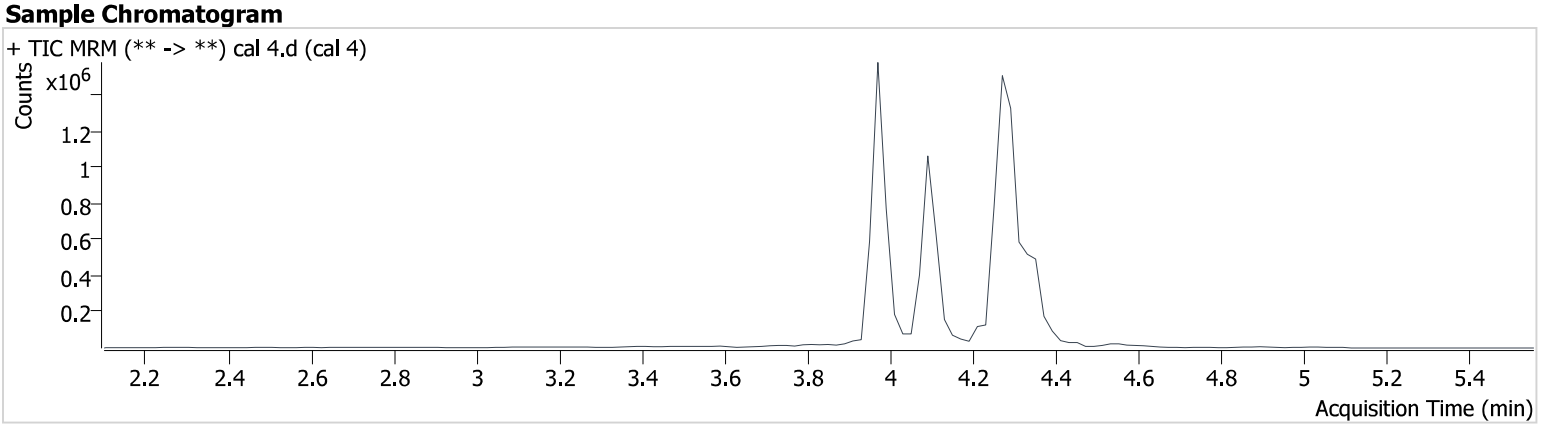
Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	4.365	24989	711134	4.867 ng/ml
THC-COOH	4.093	234490	895385	19.593 ng/ml
THC-OH	3.979	23029	3048473	4.972 ng/ml

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2023\am 25-26\100323\QuantResults\cann.batch.bin
Calibration Last Update 10/4/2023 9:54:27 AM

Instrument	69679	**Data File**	cal 4.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	10/3/2023 8:44:55 PM		
Sample Info.			

Sample Chromatogram



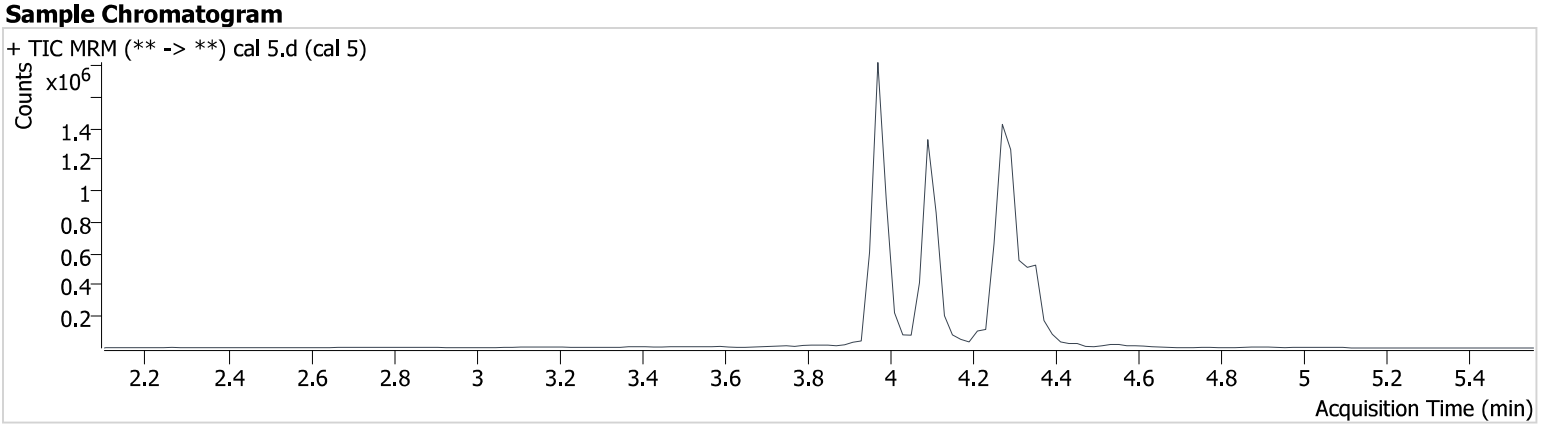
Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	4.365	50593	721458	9.507 ng/ml
THC-COOH	4.093	618985	922049	50.562 ng/ml
THC-OH	3.979	46988	3209187	9.634 ng/ml

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2023\am 25-26\100323\QuantResults\cann.batch.bin
Calibration Last Update 10/4/2023 9:54:27 AM

Instrument	69679	**Data File**	cal 5.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	10/3/2023 8:51:23 PM		
Sample Info.			

Sample Chromatogram



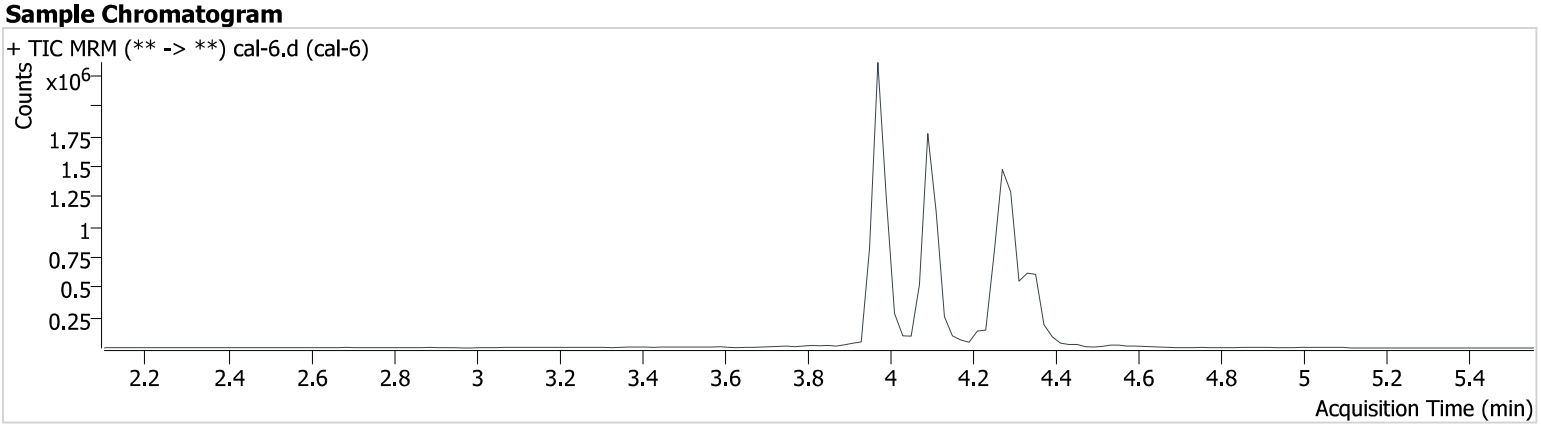
Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	4.365	132381	734741	24.100 ng/ml
THC-COOH	4.093	890228	904149	74.260 ng/ml
THC-OH	3.979	116538	3131041	24.486 ng/ml

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2023\am 25-26\100323\QuantResults\cann.batch.bin
Calibration Last Update 10/4/2023 9:54:27 AM

Instrument	69679	**Data File**	cal-6.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	10/3/2023 8:57:52 PM		
Sample Info.			

Sample Chromatogram



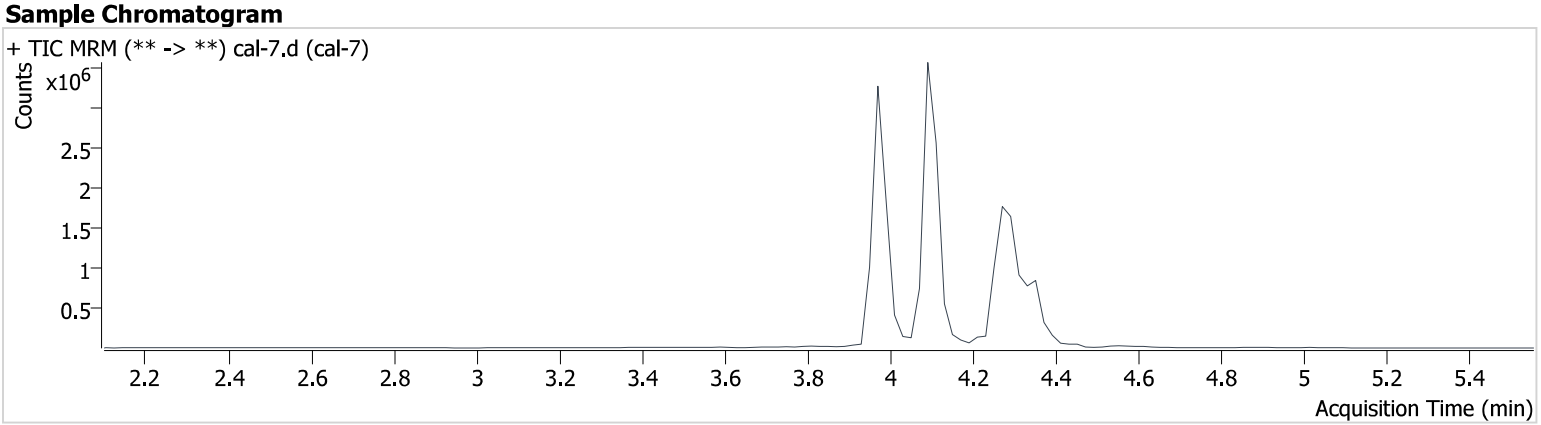
Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	4.365	283875	768624	49.184 ng/ml
THC-COOH	4.093	1266653	942291	101.462 ng/ml
THC-OH	3.979	246502	3262432	49.705 ng/ml

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2023\am 25-26\100323\QuantResults\cann.batch.bin
Calibration Last Update 10/4/2023 9:54:27 AM

Instrument	69679	**Data File**	cal-7.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	10/3/2023 9:04:20 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	4.365	487136	632625	102.320 ng/ml
THC-COOH	4.093	2992154	901884	250.736 ng/ml
THC-OH	3.979	490925	3191327	101.193 ng/ml