REVIEWED
By Celena Shrum at 3:04 pm, Feb 07, 2024

1/31/2024

Worklist: 6668

LAB_CASE	ITEM	ITEM_TYPE	DESCRIPTION
C2024-0008	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
C2024-0011	2	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
C2024-0035	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
C2024-0081	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
C2024-0087	1	UCK	AM 25/AM 26 Urine MultiDrug/THC Screen by LC-QQQ
C2024-0088	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
C2024-0092	1	UCK	AM 25/AM 26 Urine MultiDrug/THC Screen by LC-QQQ
C2024-0098	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
C2024-0099	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
C2024-0122	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
C2024-0128	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
C2024-0134	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
C2024-0141	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
C2024-0164	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: 1/31/24
Plate lot#: 231213
Mobile phase A: 10mM Amm Form
Blank Blood Lot: 23J52629
LCMS-QQQ ID: 69679

Analyst: Anne Nord
Plate Retest Date: 6/13/2024
Mobile phase B: 0.1% Formic Acid in MeOH
Blank Urine Lot: 1324
Column: Agilent Phenyl Hexyl (4.6x50mm, 2.7um)

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: In blank well, add 250µL urine, 40µL BG Turbo, and 100µL Instant Buffer I. Place on plate shaker for 5 minutes.
☒ 3. Using a calibrated pipette, pipette **250µL blood and urine** (if applicable) into wells of analytical (standards) plate. **Pipette ID: P31168J**
☒ 4. Pipette **250µL 0.5 M ammonium hydroxide** in wells of analytical plate.
☒ 5. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
☒ 6. Transfer **200-450µL of blood+base and urine+base (if applicable)** mixture to corresponding wells of SLE+ plate. Amount transferred: *300 (200 for C2024-0128-1 and C2024-134-1)*
☒ 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).***
☒ 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. ☒ If run contains urine or at the analyst's discretion, add 50µL 1% HCl in MeOH to wells and place plate cover on plate before drying (optional). SPE Dry ID: 66819
☒ 16. Reconstitute in **100µL 20% LC MeOH** 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 of 5 or greater or 2-5 for discretionary range.
☒ 4. Did all QCs pass for each analyte? If no, describe issue in comments (below).
☒ 5. Central File Packet to include: LIMS Worklist, Method Checklist, Calibration and Control Reports

COMMENTS: Due to contamination in SLE wells A4 and B4, Sample C2024-0128-1 and ~~C2024-134-1~~ C2024-0134-1 were moved respectively to H4 and A5 on the SLE and injection plate. A 2-7-24

Hands of the analyst Mikel Buffaloe.

	1	2	3	4	5	6	7	8	9	10	11	12
A			neg blood	0128-1 mixing	0134-1 SLE and injection						0087-1	
B	cal 1		0008-1	0134-1 mixing							0092-1	
C			0011-~~1~~ 2 2/7/24	0141-1								
D			0035-1	0164-1								
E			0081-1	neg urine								
F			0088-1	external positive urine								
G			0098-1	0099-1								
H			0122-1	0128-1 SLE & injection								

C2024-____-_ plate position 2

Idaho State Police
Forensic Services

AM #25 Multidrug Screen and AM #28 Confirmation
Multidrug Control Prep Sheet

Methanol External Control Working Solution (Lot: WS72623)

50 µL 1mg/ml methamphetamine, alprazolam, diphenhydramine, and morphine in ~4800 µL MeOH

Approximate concentration 10000ng/ml of each compound

Component	***Source***	***Source Lot Number***	***Expiration Date***
Methamphetamine	Cerilliant	FE03132001	7/1/2025
Alprazolam	Cerilliant	FE06102008	6/1/2025
Diphenhydramine	Cerilliant	FE02212011	3/1/2025
Morphine	Cerilliant	FE03232010	4/1/2025
Prepared:	07/26/2023		
Expires:	07/26/2024		
Prepared By:	Anne Nord		

Urine External Control Solution

500 ul of methanol external control working solution to 4500 ul of urine.
Approximately 1000 ng/ml of each compound

Negative urine source and lot number	***Date prepared***	***Expiration***	***Lot number***	***Prepared by***	***Out of use***
In house 61423	07/26/23	07/26/24	U72623	Anne Nord	

Blood External Control Solution

50 ul of methanol external control working solution to 4950 ul of blood.
Approximately 100ng/ml of each compound

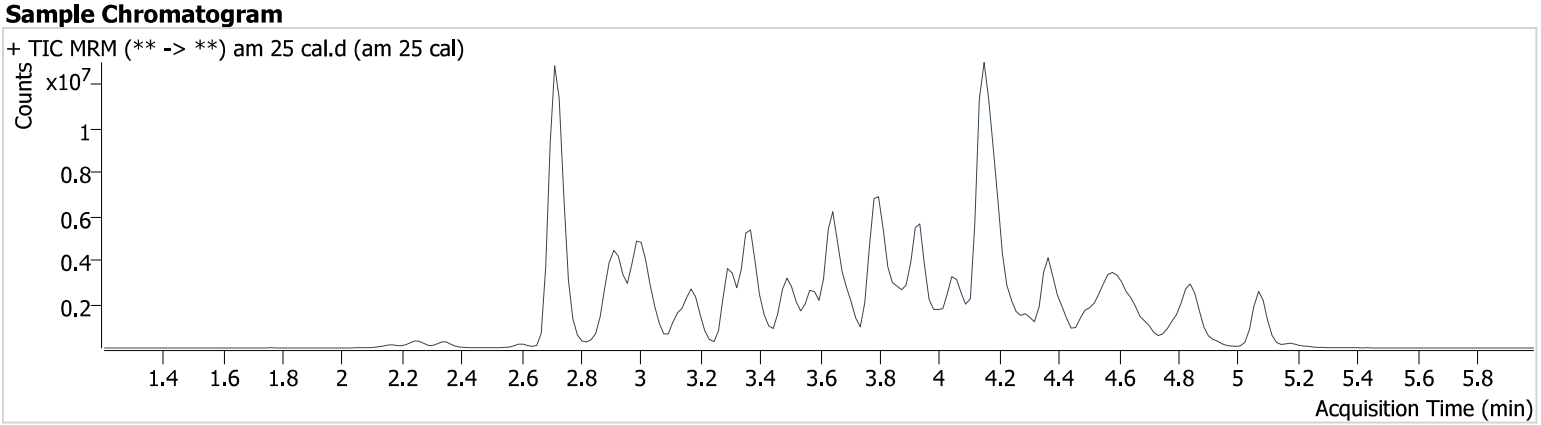
Negative blood source and lot number	***Date prepared***	***Expiration***	***Lot number***	***Prepared by***	***Out of use***
Lampire 23C57106	07/26/23	07/26/24	B72623	Anne Nord	

AM #25 Multi-Drug Screen Results

Batch results D:\MassHunter\Data\2024 Data\am 25-26 013124\QuantResults\am25.batch.bin
Calibration Last Update 2/1/2024 1:23:18 PM

Instrument	69679	**Data File**	am 25 cal.d
Type	Cal	**Sample**	am 25 cal
Acq. Method	mds713.m	**Operator**	Anne Nord
Sample Position	P2-B1	**Comment**	
Injection Volume	2.5		
Acq. Date-Time	1/31/2024 12:19:54 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
10-OH-Carbamazepine	3.867	360910	2913.6	90.8	703722	10.000
6-MAM	2.863	21989	508.0	5804.8	956087	10.000
7-aminoclonazepam	3.587	117862	61267.7	42375.3	1021837	10.000
7-aminoflunitrazepam	3.833	515240	1262.1	1142.8	1021837	10.000
9-Hydroxyrisperidone	3.933	3092412	∞	44693.1	1021837	10.000
Acetyl Fentanyl	3.798	141438	262.7	24269.7	4053959	10.000
Acetyl Norfentanyl	2.887	91677	247.1	389.7	13027066	10.000
a-hydroxyalprazolam	4.705	34879	115.1	22.8	703722	10.000
alpha-hydroxymidazolam	4.643	414656	399.4	389.8	3420051	10.000
alpha-PHP	3.852	1094313	1833.6	673.7	3087176	10.000
alpha-PVP	3.546	1163307	1343.4	1760.8	3087176	10.000
Alprazolam	4.784	584098	305.7	1852.3	3420051	10.000
Amitriptyline	4.620	684746	660.3	862.6	3170689	10.000
Amphetamine	2.937	906844	346.7	1685.9	3087176	10.000
Benzoylecgonine	3.463	21929	1485.2	1483.7	108625	10.000
Bromazolam	4.871	255893	9714.2	2264.6	3420051	10.000
Brompheniramine	4.199	47459	14070.7	5607.7	33676540	10.000
Buprenorphine	4.132	3267	1532.2	1996.4	1284871	10.000
Bupropion	3.822	1834067	1134.0	987.0	7879603	10.000
Carbamazepine	4.361	2735084	∞	811.8	3107920	10.000
Carisoprodol	4.313	311438	3101.0	213.5	2398854	10.000
Chlordiazepoxide	4.771	242806	∞	∞	3420051	10.000
Chlorpheniramine	4.080	3214660	15079.4	∞	5386640	10.000
Chlorpromazine	4.829	600284	10520.6	185843.8	3105709	10.000
Citalopram	4.260	1465946	404.2	377244.1	33676540	10.000
Clomimpramine	4.844	762116	210.2	5317.3	1517403	10.000
Clonazepam	4.645	111690	81.2	473.6	38105	10.000
Clonazolam	4.534	146889	15695.0	16121.8	703722	10.000
clozapine	4.367	1506985	132890.9	539474.3	7553284	10.000
Cocaethylene	3.861	1415886	1685.0	848.0	11547549	10.000
Cocaine	3.647	1730495	523496.6	524.4	11547549	10.000
Codeine	2.729	126619	9360.1	1927.6	3107920	10.000
Cyclobenzaprine	4.527	1214560	434.5	125.5	3170689	10.000
Desipramine	4.589	1442367	289914.5	1610.9	3170689	10.000

AM #25 Multi-Drug Screen Results

Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
Dextromethorphan	4.204	769442	198804.6	8816.4	5386640	10.000
Dextrorphan	3.435	1003558	2317.8	370.7	3087176	10.000
Diazepam	5.047	468300	3559.2	538.9	3420051	10.000
Dihydrocodeine	2.682	423178	203953.1	1168.3	3107920	10.000
Dimethyltriptamine	3.011	956182	329.5	861.0	3087176	10.000
Diphenhydramine	4.159	4208624	1305.2	586.5	33676540	10.000
Doxepin	4.311	825646	264.8	238.3	7553284	10.000
Doxylamine	3.634	3085875	589.3	493.9	3087176	10.000
Duloxetine	4.525	31780	10940.6	368.3	1517403	10.000
EDDP	4.203	108506	1053.0	42.0	780628	10.000
Estazolam	4.694	1145269	528.7	128.9	3420051	10.000
Etizolam	4.765	63690	29563.8	102473.2	3420051	10.000
Fentanyl	4.059	130686	358.0	64782.0	8284252	10.000
Flualprazolam	4.613	220096	43533.5	47723.7	3420051	10.000
Flunitrazepam	4.753	511853	642.1	142089.4	703722	10.000
Fluorofentanyl	4.089	109427	53311.7	536.1	8284252	10.000
Fluoxetine	4.508	949555	374423.8	13494.4	1517403	10.000
Flurazepam	4.226	1236185	7708.8	65747.0	1284871	10.000
Hydrocodone	2.958	455042	135.2	83.4	3107920	10.000
Hydromorphone	2.337	520998	645.6	929.4	108252	10.000
hydroxyzine	4.656	1850038	61862.3	720678.6	7553284	10.000
Imipramine	4.587	2648565	1395.1	784.2	3170689	10.000
Ketamine	3.406	1175118	32993.8	115.1	4546484	10.000
Lamotrigine	3.589	1014894	45332.4	1962.3	3087176	10.000
Levamisole	2.903	965897	12581.7	403.0	11547549	10.000
Levetiracetam	2.616	172361	362.9	450.2	1021837	10.000
Lorazepam	4.598	15670	∞	∞	703722	10.000
Maprotiline	4.603	519479	897.8	159.4	3170689	10.000
MDA	3.057	1262295	216.7	414.1	10343205	10.000
MDEA	3.301	1939852	414.1	605.5	10343205	10.000
MDMA	3.133	1851346	3522.9	284.6	10343205	10.000
Meperidine	3.651	1011421	777.8	1383.7	108252	10.000
Meprobamate	3.731	158657	2258.3	1229.7	2398854	10.000
Methadone	4.554	3223556	4251534.0	353836.7	4053959	10.000
Methamphetamine	3.028	1106408	4078.8	∞	10343205	10.000
Methocarbamol	3.683	118534	71.1	1510.9	2398854	10.000
Methylphenidate	3.591	3524775	2455.0	496.9	6973157	10.000
Metoprolol	3.495	389549	780.2	247939.7	3087176	10.000
Midazolam	4.444	225230	120987.8	88364.5	1021837	10.000
Mirtazapine	3.712	1187301	1312.9	1742.9	1284871	10.000
Mitragynine	4.240	191340	278.4	226081.6	8284252	10.000
Morphine	2.171	137083	808.3	268.3	108252	10.000
Norbuprenorphine	3.902	50094	11368.3	20541.6	1284871	10.000
Nordiazepam	4.911	158397	56687.0	198.3	3420051	10.000
Norfentanyl	3.376	2205637	9063.0	2679.4	13027066	10.000
Norhydrocodone	2.959	55897	184.4	6436.3	3107920	10.000
norketamine	3.377	147020	220.0	862.1	4546484	10.000
Normeperidine	3.699	1286513	500.6	2794.8	108252	10.000
Noroxycodone	2.927	447140	∞	512.7	3107920	10.000
Nortriptyline	4.621	707506	303.1	530.7	1517403	10.000
O-desmethyl-tramadol	2.916	2713319	24751.7	180.6	4053959	10.000
O-Desmethylvenlafaxine	3.312	809074	460.3	13736.7	4053959	10.000
Olanzapine	3.123	887715	1106.0	24512.3	1517403	10.000
Oxazepam	4.726	108508	117.7	23.0	703722	10.000
Oxycodone	2.910	878735	244.8	82742.6	4546484	10.000
Oxymorphone	2.242	531757	608.8	294.6	108252	10.000
Paroxetine	4.535	154402	655.2	459.8	1517403	10.000
Phenazepam	4.826	231281	67963.0	41528.8	3420051	10.000
Phencyclidine	4.006	2401566	17385.6	1958.9	4053959	10.000
Phentermine	3.211	672071	∞	454.3	6973157	10.000

AM #25 Multi-Drug Screen Results

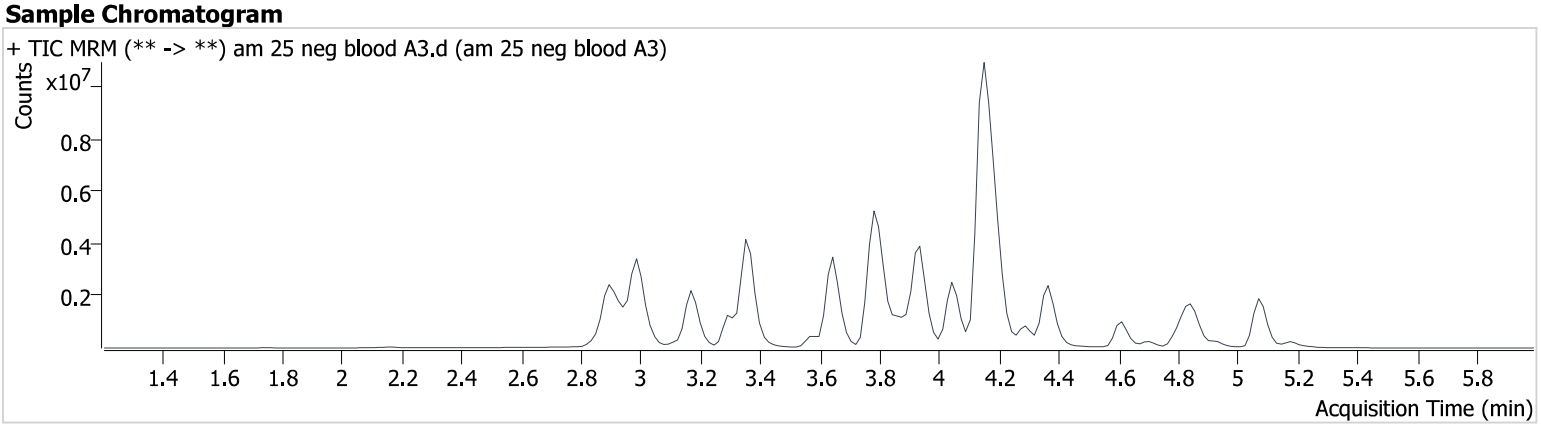
Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
Phenytoin	4.252	103880	18038.6	27.8	38105	10.000
primidone	3.516	829808	450.8	2990.0	38105	10.000
Promethazine	4.495	2362749	11106.1	645.1	3170689	10.000
Pseudoephedrine	2.722	37884616	2041.1	87896.1	6973157	10.000
Quetiapine	4.410	2285490	1057503.9	379739.4	5386640	10.000
Risperidone	4.102	2130903	4315.8	1249.9	5386640	10.000
Sertraline	4.800	327080	∞	1384.9	1517403	10.000
Sufentanil	4.333	80055	49078.2	160.3	8284252	10.000
Tapentadol	3.516	2064483	12949.9	1020.5	4546484	10.000
Temazepam	4.862	771622	1257.2	77.9	3420051	10.000
Topiramate	3.920	58564	14904.1	30717.3	28993	10.000
Tramadol	3.480	6743050	∞	69.5	956087	10.000
Trazodone	4.196	1639215	1073.8	311443.1	7893919	10.000
Venlafaxine	3.910	3104045	937014.4	346.1	4053959	10.000
Xylazine	3.392	183144	∞	192264.2	4053959	10.000
Zaleplon	4.509	570134	135743.9	221799.3	703722	10.000
Zolpidem	3.800	2860162	2859.4	27188.6	13200112	10.000
Zopiclone	3.903	247420	806.1	596081.3	1423868	10.000

AM #25 Multi-Drug Screen Results

Batch results D:\MassHunter\Data\2024 Data\am 25-26 013124\QuantResults\am25.batch.bin
Calibration Last Update 2/1/2024 1:23:18 PM

Instrument	69679	**Data File**	am 25 neg blood A3.d
Type	Sample	**Sample**	am 25 neg blood A3
Acq. Method	mds713.m	**Operator**	Anne Nord
Sample Position	P2-A3	**Comment**	
Injection Volume	2.5		
Acq. Date-Time	1/31/2024 12:26:48 PM		
Sample Info.			

Sample Chromatogram

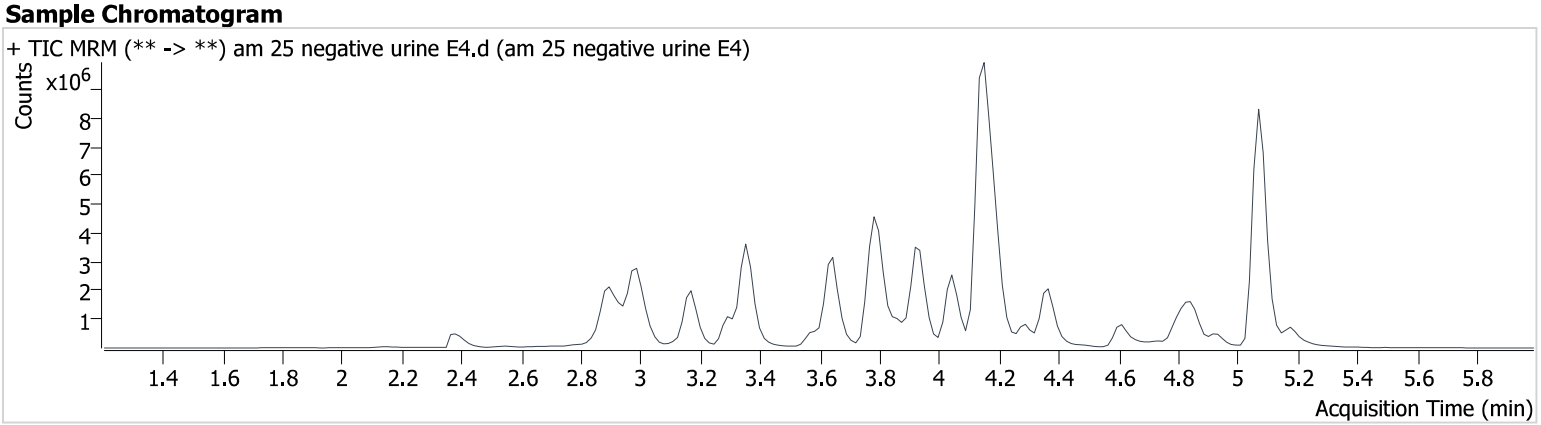


AM #25 Multi-Drug Screen Results

Batch results D:\MassHunter\Data\2024 Data\am 25-26 013124\QuantResults\am25.batch.bin
Calibration Last Update 2/1/2024 1:23:18 PM

Instrument	69679	**Data File**	am 25 negative urine E4.d
Type	Sample	**Sample**	am 25 negative urine E4
Acq. Method	mds713.m	**Operator**	Anne Nord
Sample Position	P2-E4	**Comment**	
Injection Volume	2.5		
Acq. Date-Time	1/31/2024 1:34:15 PM		
Sample Info.			

Sample Chromatogram

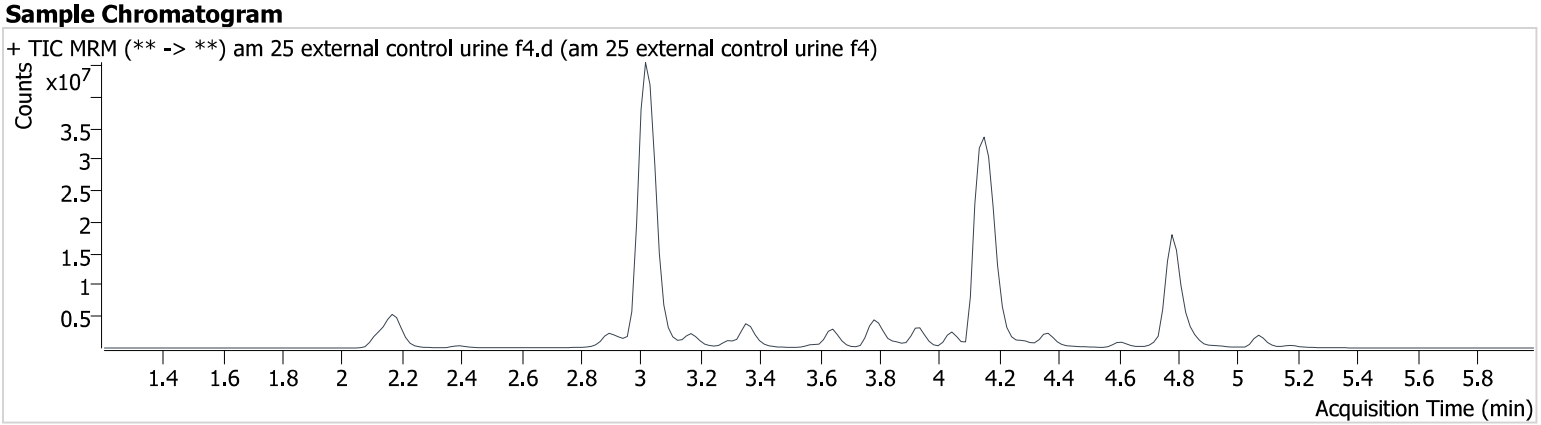


AM #25 Multi-Drug Screen Results

Batch results D:\MassHunter\Data\2024 Data\am 25-26 013124\QuantResults\am25.batch.bin
Calibration Last Update 2/1/2024 1:23:18 PM

Instrument	69679	**Data File**	am 25 external control urine f4.d
Type	Sample	**Sample**	am 25 external control urine f4
Acq. Method	mds713.m	**Operator**	Anne Nord
Sample Position	P2-F4	**Comment**	
Injection Volume	2.5		
Acq. Date-Time	1/31/2024 1:41:00 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
Alprazolam	4.784	31802414	∞	1495.6	2850585	653.240
Diphenhydramine	4.159	82609894	4188.7	2528.2	18209992	363.003
Methamphetamine	3.028	38376396	16839422.4	5318844 3276952 70.0	7269304	493.527
Morphine	2.171	9136244	∞	107762.2	89077	809.944

AM# 26: Screening of THC and Metabolites in Blood and Urine by LC-MS/MS

Extraction Date: 1/31/24
Plate lot#: 231212
Mobile phase A: 10mM Amm Form in LCMS water
Blank Blood Lot: ~~23J52529~~ 23J52629 2/29/24
LCMS-QQQ ID: 69679

Analyst: Anne Nord
Plate Retest Date: 6/12/2024
Mobile phase B: 0.1% Formic acid in MeOH
Blank Urine Lot: 1324
Column: Agilent Phenyl Hexyl (4.6x50mm, 2.7um)

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 1.5mL urine to blank plate, add 250µl 1N KOH. Shake and incubate at 40 degrees for 15 minutes.
☒ 3. Using a calibrated pipette, pipette 1000µL blood or 1000µL hydrolyzed urine in wells of analytical (standards) plate. **Pipette ID: I41142J**
☒ 3. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
☒ 4. Add **500µL of 0.1% formic acid in water to blood samples, and 500µL of saturated phosphate buffer to urine samples** in the wells of the analytical plate.
☒ 5. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
☒ 6. Transfer **700-800µL of blood+acid or urine+acid** mixture to corresponding wells of SLE+ plate. Amount transferred: **800 µL**
☒ 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)***
☒ 8. Wait 5 minutes.
☒ 9. Add **2.25mL MTBE. (*Add in 3 increments of 750uL)***
☒ 10. Wait 5 minutes.
☒ 11. Apply positive pressure for approx. 15 seconds. ***(10-15 PSI- Selector to the left).***
☒ 12. Add **2.25mL Hexane. (*Add in 3 increments of 750uL)***
☒ 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.
☒ 16. Reconstitute in **100µL 100% MeOH** and heat seal plate with foil. Place in autosampler and run worklist.

Post-Analytic

☒ 1. Create batch and process data.
☒ 2. Make any necessary integration changes, R^2 values ≥0.98 for each analyte
☒ 3. RT +/- 2% or 0.100 min, whichever is greater
☒ 4. Confirmation testing on case samples with a response for THC and OH-THC of 3ng/mL or greater and/or Carboxy-THC at 10ng/mL or greater (analyst discretion between 5-10ng/mL) may be pursued.
☒ 5. Did all QCs pass for each analyte? (if not, describe in comments section)
☒ 6. Central File Packet to include: LIMS Worklist, Method Checklist, Calibration and Control Reports

COMMENTS: Mikel Buffaloe hands of the analyst
C2024-0099-1, C2024-0141-1 moved on SLE plate due to clot, 700ul transferred for step 6 on the these two.
Cal 4 dropped due to quantifier peak shape. Peak has a flat top, internal standard did not respond the same.

	1	2	3	4	5	6
a	cal 1	Internal control urine	0122-1	0099-1 mixing		
b	cal 2	negative blood	0128-1			
c	cal 3	0008-1	0134-1			
d	cal 4	0011-2	0141-1 mixing	0141-1 SLE & injection		
e	cal 5	0035-1	0164-1	0099-1 SLE & injection		
f	cal 6	0081-1	neg urine			
g	cal 7	0088-1	0087-1			
h	Internal control (blood)	0098-1	0092-1			

Plate position 3

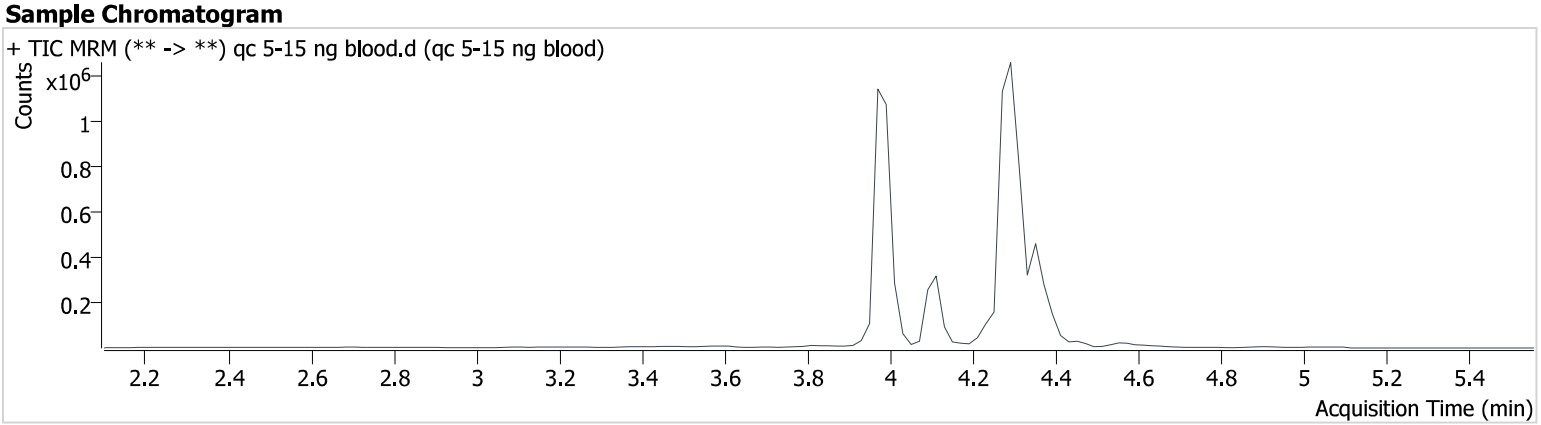
c2024-____-_

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2024 Data\am 25-26 013124\QuantResults\am26.batch.bin
Calibration Last Update 2/1/2024 9:44:06 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	1/31/2024 3:27:42 PM		
Sample Info.			

Sample Chromatogram



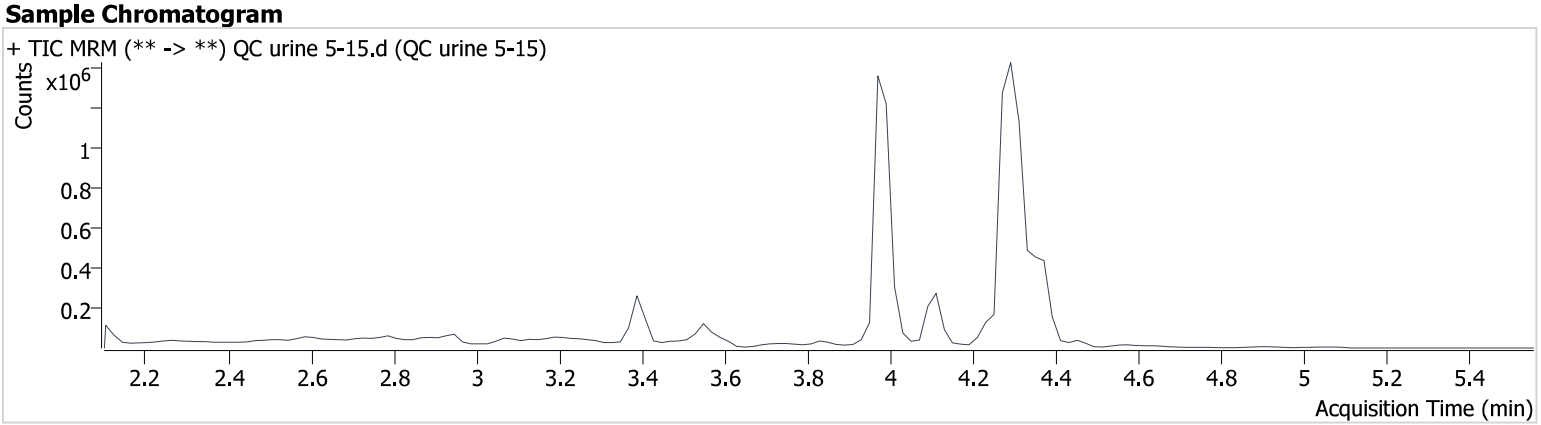
Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	4.365	20179	555345	5.166 ng/ml
THC-COOH	4.111	172931	574517	13.065 ng/ml
THC-OH	3.979	23288	2866037	4.925 ng/ml

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2024 Data\am 25-26 013124\QuantResults\am26.batch.bin
Calibration Last Update 2/1/2024 9:44:06 AM

Instrument	69679	**Data File**	QC urine 5-15.d
Type	Sample	**Sample**	QC urine 5-15
Acq. Method	am 26 cann scr 5-5-20.m	**Operator**	Anne Nord
Sample Position	P3-A2	**Comment**	
Injection Volume	5		
Acq. Date-Time	1/31/2024 3:34:13 PM		
Sample Info.			

Sample Chromatogram



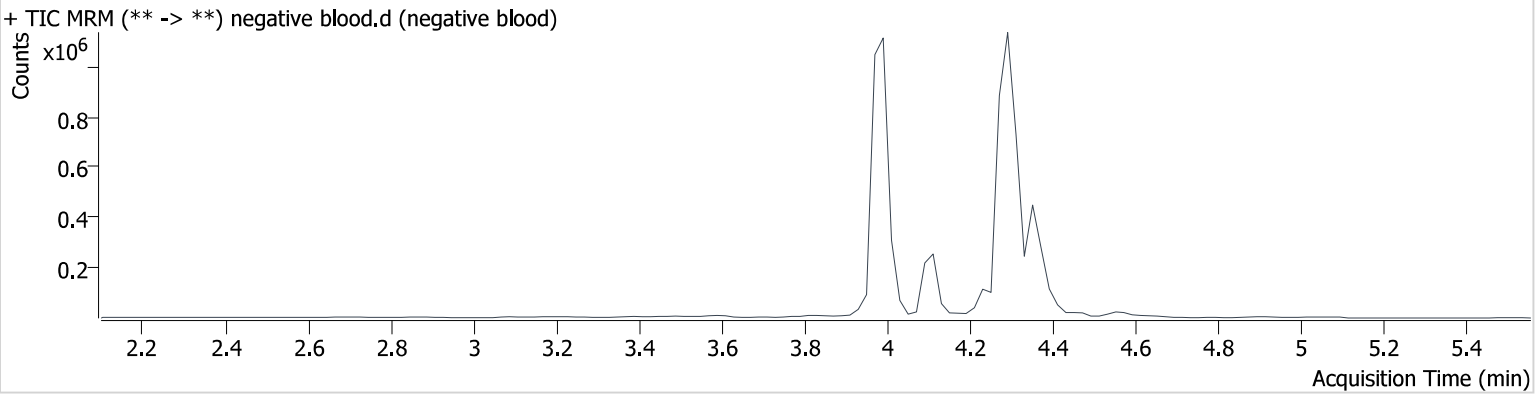
Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	4.385	28848	672146	6.068 ng/ml
THC-COOH	4.111	127670	487122	10.775 ng/ml
THC-OH	3.999	27317	3376656	4.904 ng/ml

AM #26 Cannabinoids Screen Results

Batch results	D:\MassHunter\Data\2024 Data\am 25-26 013124\QuantResults\am26.batch.bin
Calibration Last Update	2/1/2024 9:44:06 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	1/31/2024 3:40:43 PM		
Sample Info.			

Sample Chromatogram

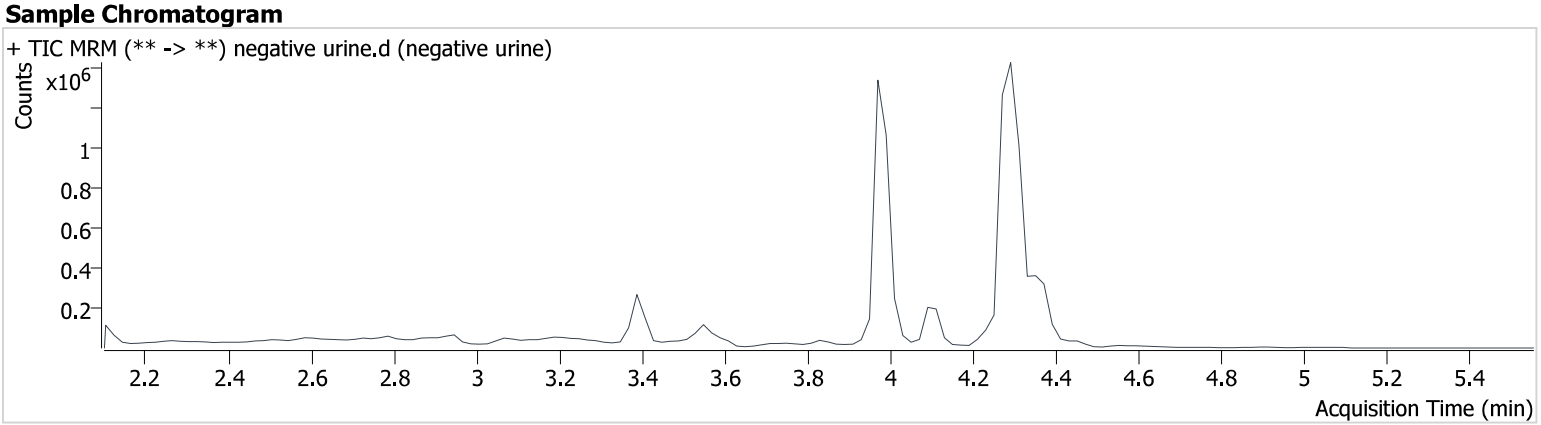


AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2024 Data\am 25-26 013124\QuantResults\am26.batch.bin
Calibration Last Update 2/1/2024 9:44:06 AM

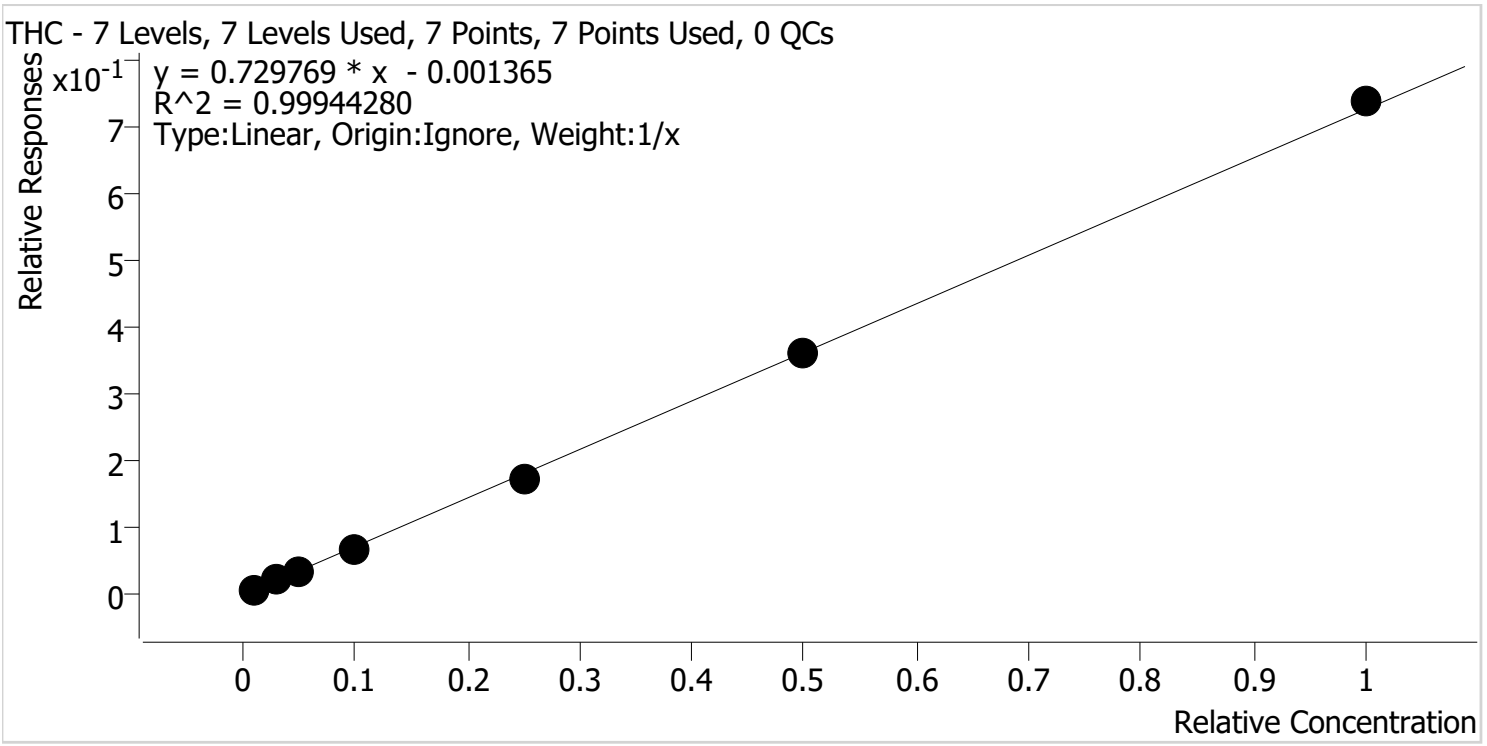
Instrument	69679	**Data File**	negative urine.d
Type	Sample	**Sample**	negative urine
Acq. Method	am 26 cann scr 5-5-20.m	**Operator**	Anne Nord
Sample Position	P3-F3	**Comment**	
Injection Volume	5		
Acq. Date-Time	1/31/2024 4:52:10 PM		
Sample Info.			

Sample Chromatogram



Compound Calibration Report

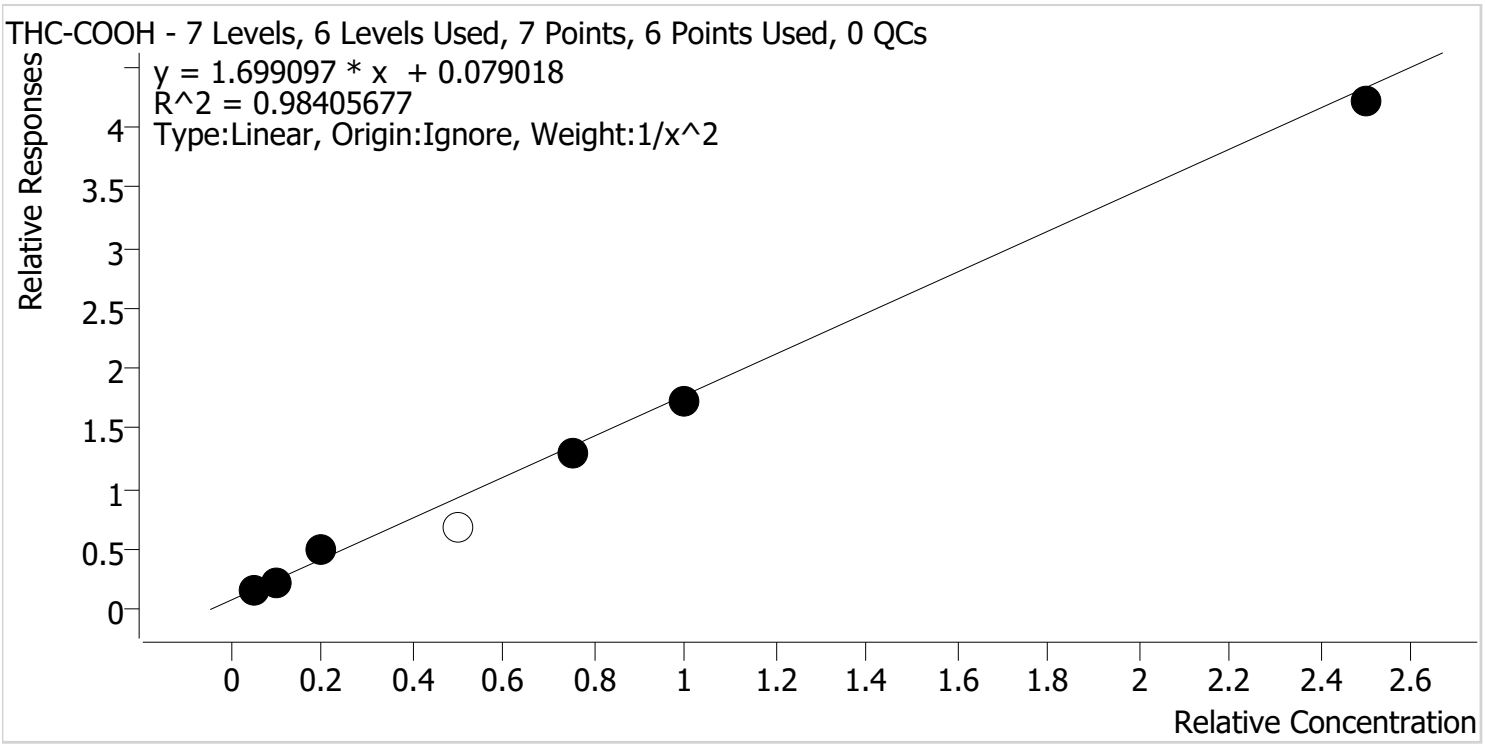
Batch results	D:\MassHunter\Data\2024 Data\am 25-26 013124\QuantResults\am26.batch.bin
Last Cal. Update	2/1/2024 9:44 AM
Analyst Name	ISP\datastor
Analyte	THC
Internal Standard	THC-d3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1	1	✔	1.0	1.1	113.1
cal 2	2	✔	3.0	2.9	97.4
cal 3	3	✔	5.0	4.7	95.0
cal 4	4	✔	10.0	9.6	96.5
cal 5	5	✔	25.0	24.3	97.1
cal-6	6	✔	50.0	49.7	99.4
cal-7	7	✔	100.0	101.6	101.6

Compound Calibration Report

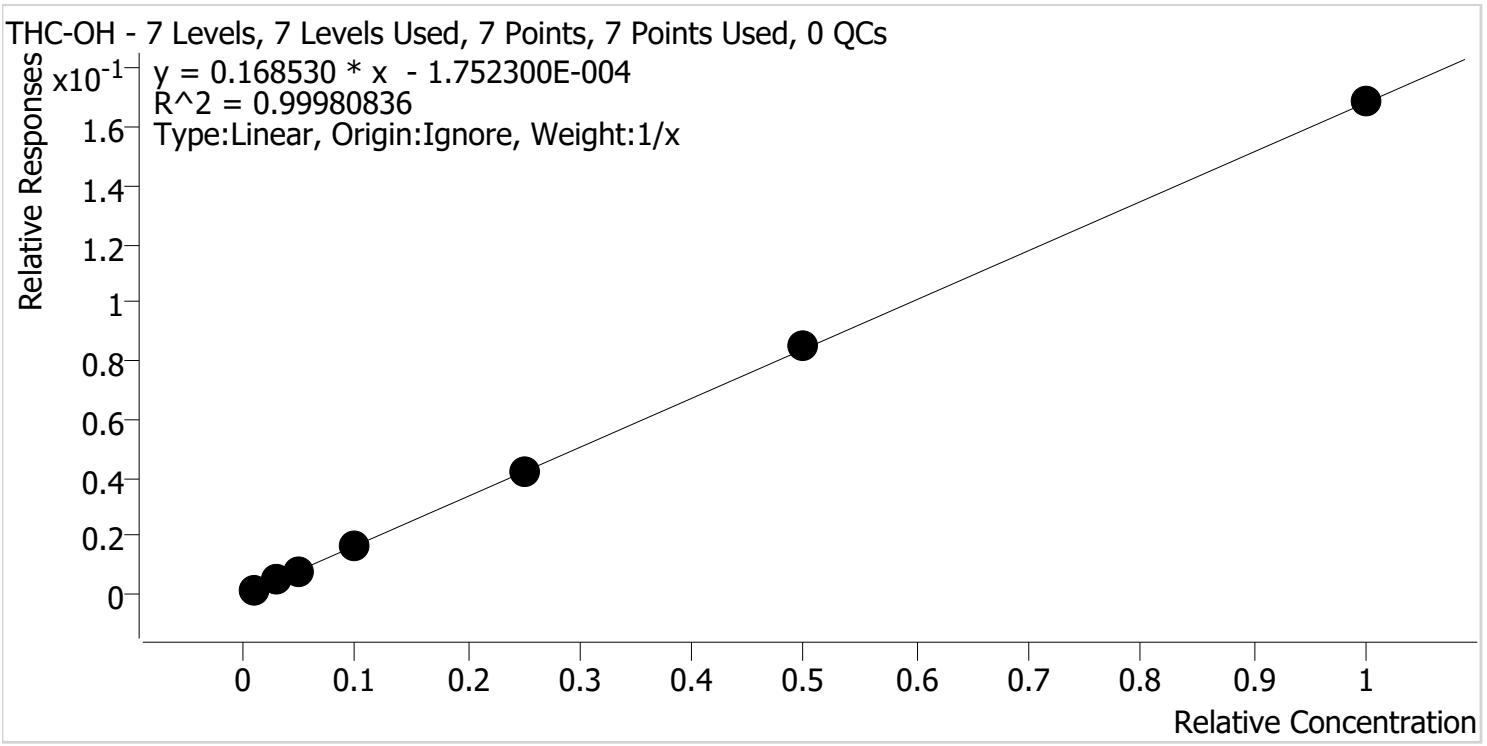
Batch results	D:\MassHunter\Data\2024 Data\am 25-26 013124\QuantResults\am26.batch.bin
Last Cal. Update	2/1/2024 9:44 AM
Analyst Name	ISP\datastor
Analyte	THC-COOH
Internal Standard	THC-COOH-d9



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1	1	✔	5.0	5.0	100.7
cal 2	2	✔	10.0	9.0	89.7
cal 3	3	✔	20.0	24.0	119.8
cal 4	4	✗	50.0	34.8	69.6
cal 5	5	✔	75.0	72.0	96.1
cal-6	6	✔	100.0	96.5	96.5
cal-7	7	✔	250.0	243.1	97.2

Compound Calibration Report

Batch results	D:\MassHunter\Data\2024 Data\am 25-26 013124\QuantResults\am26.batch.bin
Last Cal. Update	2/1/2024 9:44 AM
Analyst Name	ISP\datastor
Analyte	THC-OH
Internal Standard	THC-OH-d3



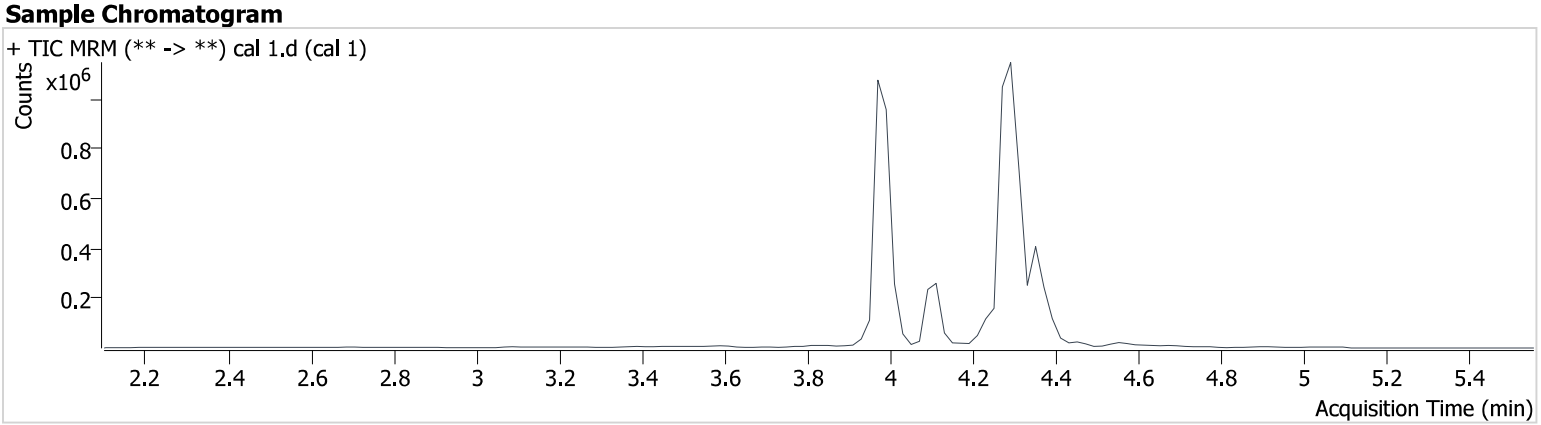
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1	1	✔	1.0	1.1	109.3
cal 2	2	✔	3.0	2.9	97.6
cal 3	3	✔	5.0	4.7	94.7
cal 4	4	✔	10.0	9.8	98.0
cal 5	5	✔	25.0	24.9	99.5
cal-6	6	✔	50.0	50.3	100.7
cal-7	7	✔	100.0	100.2	100.2

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2024 Data\am 25-26 013124\QuantResults\am26.batch.bin
Calibration Last Update 2/1/2024 9:44:06 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	1/31/2024 2:42:04 PM		
Sample Info.			

Sample Chromatogram



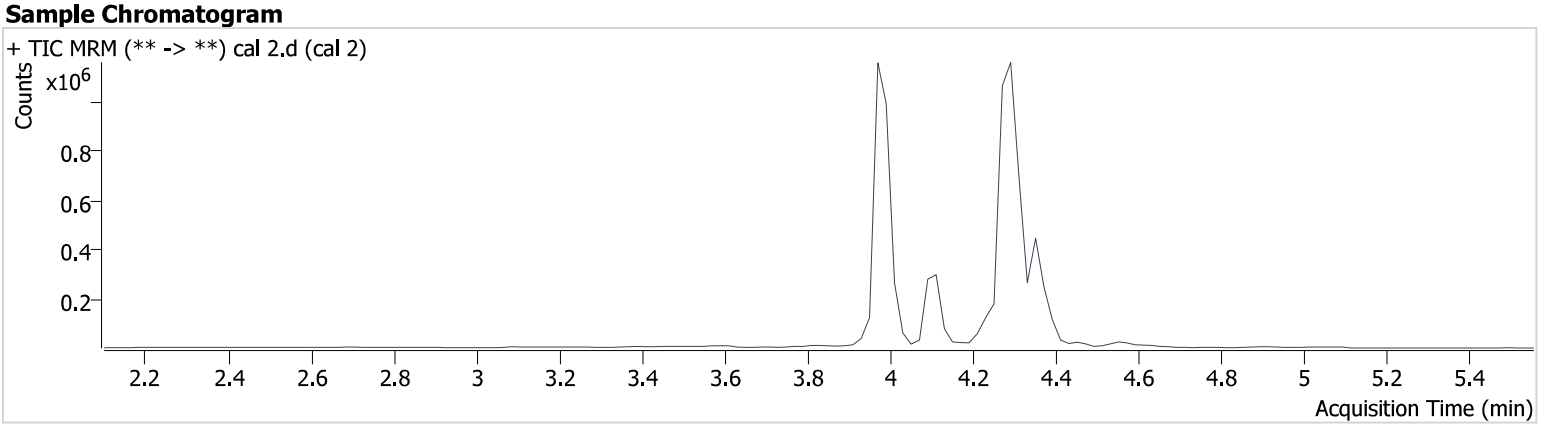
Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	4.365	3764	546389	1.131 ng/ml **Low**
THC-COOH	4.111	92387	561351	5.036 ng/ml **Low**
THC-OH	3.979	4655	2794204	1.093 ng/ml **Low**

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2024 Data\am 25-26 013124\QuantResults\am26.batch.bin
Calibration Last Update 2/1/2024 9:44:06 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	1/31/2024 2:48:44 PM		
Sample Info.			

Sample Chromatogram



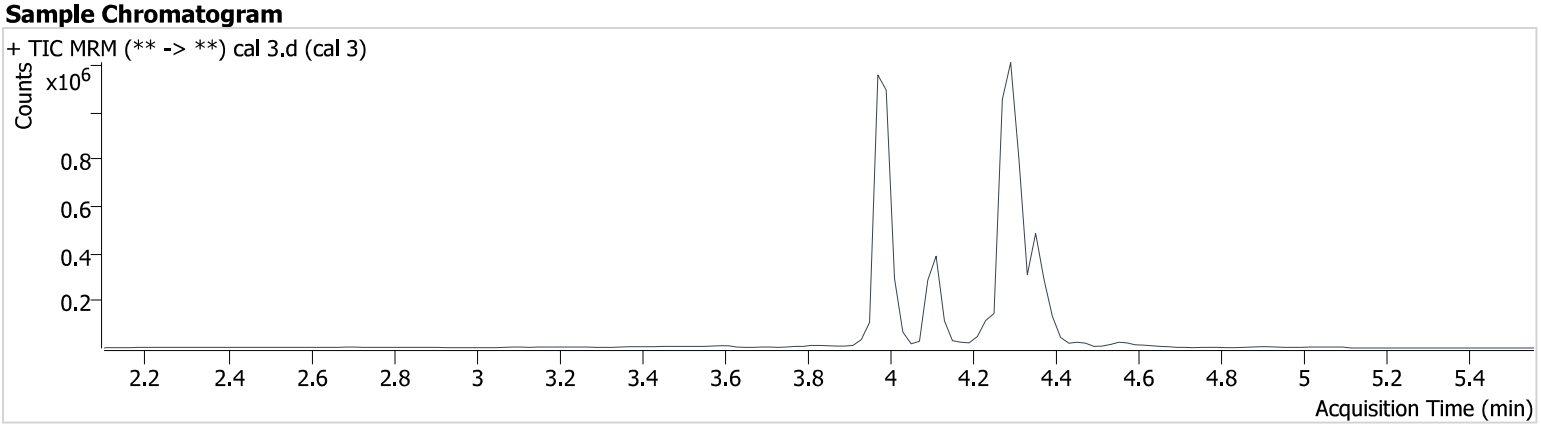
Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	4.365	11684	585346	2.922 ng/ml **Low**
THC-COOH	4.111	142263	614945	8.965 ng/ml **Low**
THC-OH	3.979	13594	2854924	2.929 ng/ml **Low**

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2024 Data\am 25-26 013124\QuantResults\am26.batch.bin
Calibration Last Update 2/1/2024 9:44:06 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	1/31/2024 2:55:14 PM		
Sample Info.			

Sample Chromatogram



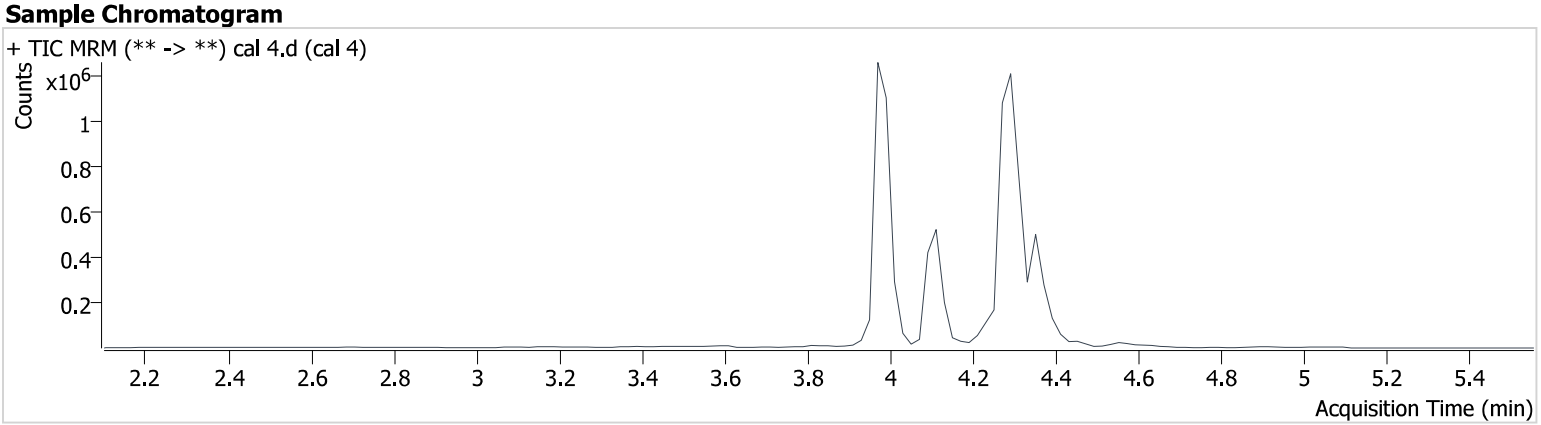
Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	4.365	20622	619348	4.750 ng/ml
THC-COOH	4.111	297129	611192	23.961 ng/ml
THC-OH	3.999	23072	2955902	4.736 ng/ml

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2024 Data\am 25-26 013124\QuantResults\am26.batch.bin
Calibration Last Update 2/1/2024 9:44:06 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	1/31/2024 3:01:44 PM		
Sample Info.			

Sample Chromatogram



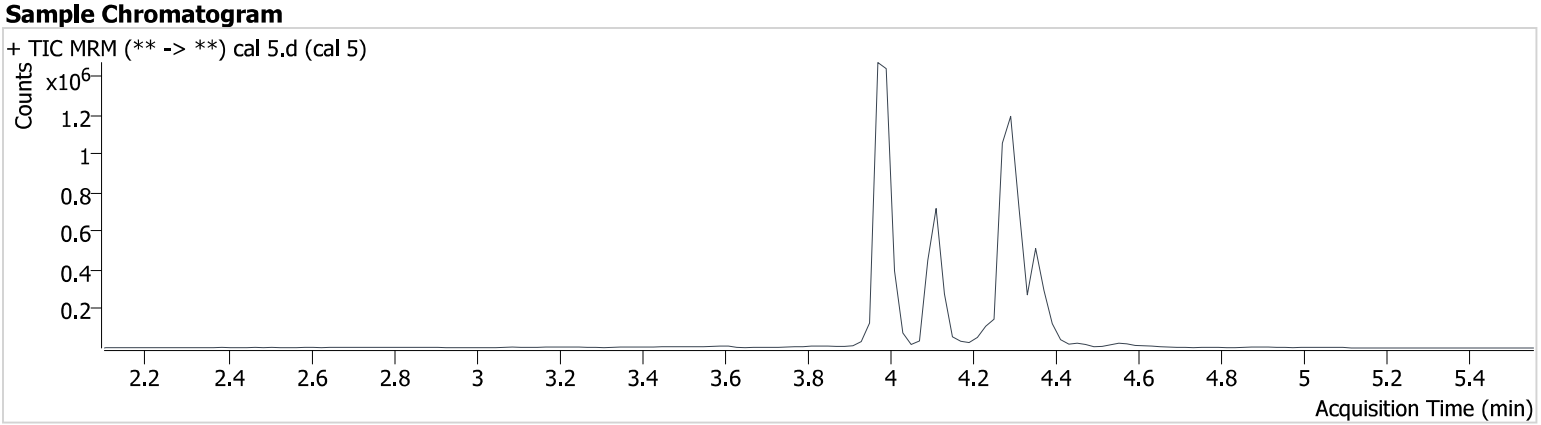
Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	4.365	44750	648352	9.645 ng/ml
THC-COOH	4.131	420643	627857	34.780 ng/ml
THC-OH	3.979	46280	2833273	9.796 ng/ml

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2024 Data\am 25-26 013124\QuantResults\am26.batch.bin
Calibration Last Update 2/1/2024 9:44:06 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	1/31/2024 3:08:14 PM		
Sample Info.			

Sample Chromatogram



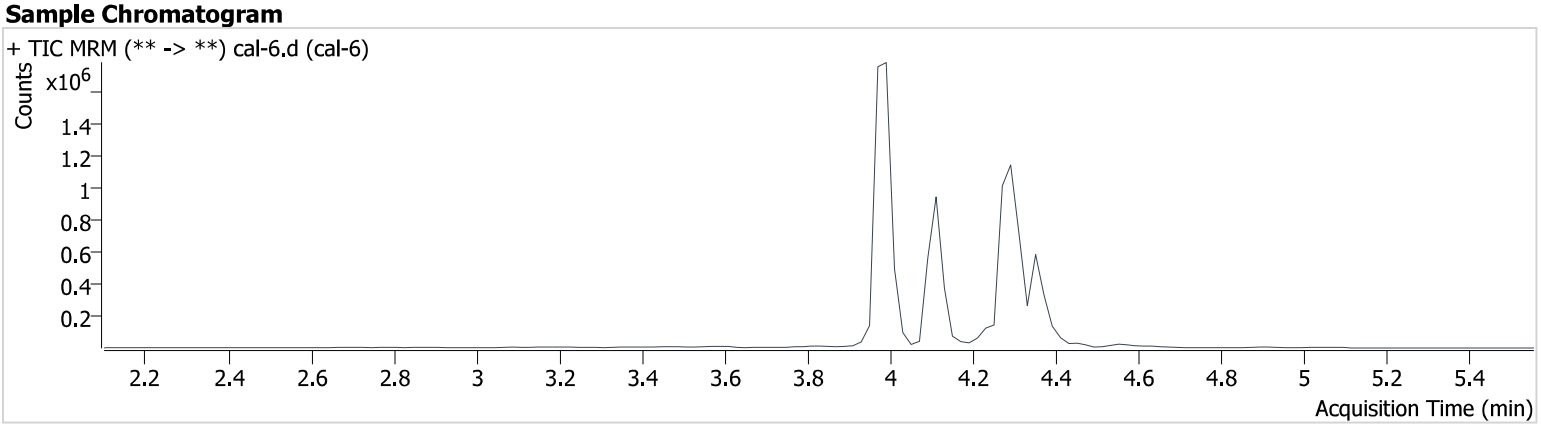
Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	4.365	108742	618889	24.264 ng/ml
THC-COOH	4.111	786054	603232	72.041 ng/ml
THC-OH	3.979	122848	2941711	24.883 ng/ml

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2024 Data\am 25-26 013124\QuantResults\am26.batch.bin
Calibration Last Update 2/1/2024 9:44:06 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	1/31/2024 3:14:44 PM		
Sample Info.			

Sample Chromatogram



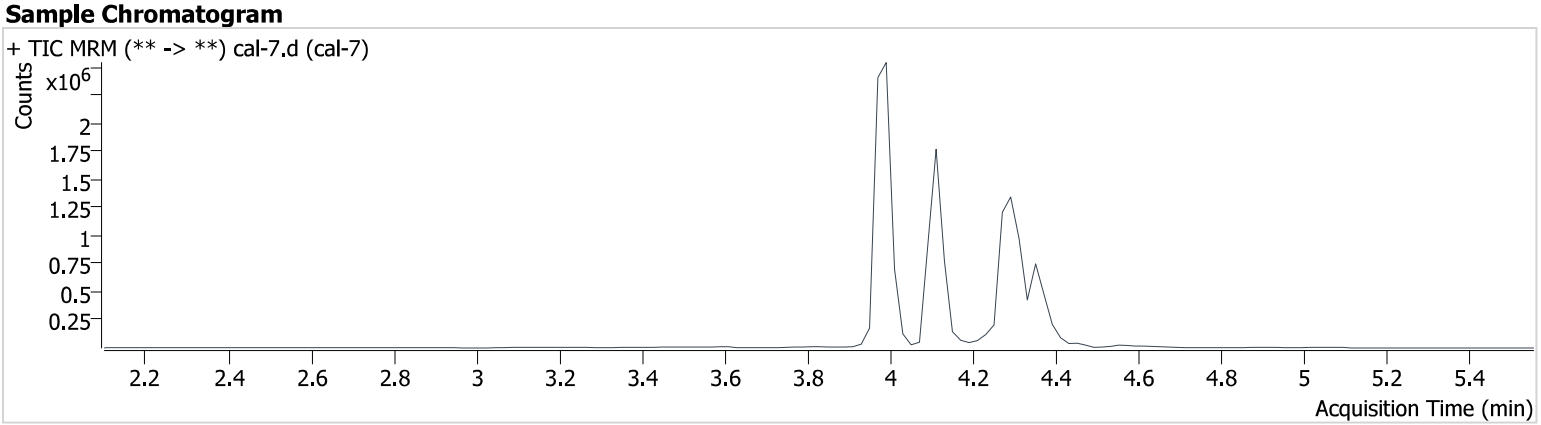
Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	4.365	230933	638852	49.721 ng/ml
THC-COOH	4.111	1109730	645481	96.534 ng/ml
THC-OH	3.979	235141	2777726	50.334 ng/ml

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2024 Data\am 25-26 013124\QuantResults\am26.batch.bin
Calibration Last Update 2/1/2024 9:44:06 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	1/31/2024 3:21:14 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	4.365	431944	583829	101.568 ng/ml
THC-COOH	4.111	2432298	577817	243.096 ng/ml
THC-OH	3.979	459622	2723840	100.229 ng/ml