REVIEWED
By Sarah Collins at 11:55 am, Jun 07, 2024

6/5/2024

REVIEWED
By Britany Wylie at 7:43 am, Jun 11, 2024

Worklist: 6832

LAB_CASE	ITEM	ITEM_TYPE	DESCRIPTION
C2024-0859	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
C2024-0866	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
C2024-0866	2	UCK	AM 25/AM 26 Urine MultiDrug/THC Screen by LC-QQQ
C2024-0877	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
C2024-0880	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
C2024-0897	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
C2024-0919	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
C2024-0923	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
C2024-0924	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
C2024-0934	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
C2024-0950	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
C2024-0961	1	UCK	AM 25/AM 26 Urine MultiDrug/THC Screen by LC-QQQ
C2024-0985	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
C2024-1015	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
C2024-1025	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
C2024-1030	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
C2024-1031	1	UCK	AM 25/AM 26 Urine MultiDrug/THC Screen by LC-QQQ
C2024-1033	2	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
C2024-1041	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
C2024-1043	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
C2024-1062	2	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ

Worklist: 6832

LAB_CASE	ITEM	ITEM_TYPE	DESCRIPTION
C2024-1066	1	BLOOD	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
C2024-1074	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
M2024-1969	3	UCK	AM 25/AM 26 Urine MultiDrug/THC Screen by LC-QQQ

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

Extraction Date: 06/05/24
Plate lot#: 231213
Mobile phase A: 10mM Amm Form
Blank Blood Lot: 24C52042
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: 6524
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: 390993**
☒ 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*
☒ 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. Lot 203770**
☒ 10. Wait 5 minutes.
☒ 11. Apply positive pressure for approx. 15 seconds. ***(10-15 PSI- Selector to the left).***
☒ 12. Add **900uL ethyl acetate. Lot 216605**
☒ 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: *Shortly after the run was started it was determined fentanyl was outside the acquisition window. The acquisition method was updated, and the run was restarted.*

	1	2	3	4	5	6	7	8	9	10	11	12
A	cal 1	0880-1	1015-1	1066-1								1031-1
B		0897-1	1025-1	1074-1								0961-1
C	internal urine control	0919-1	1030-1									m2024-1969-3
D		0923-1	1033-2									0866-2
E	negative blood	0924-1	1041-1									
F	0859-1	0934-1	1043-1									
G	0866-1	0950-1	negative urine									
H	0877-1	0985-1	1062-2									

C2024-____-_ plate position 2

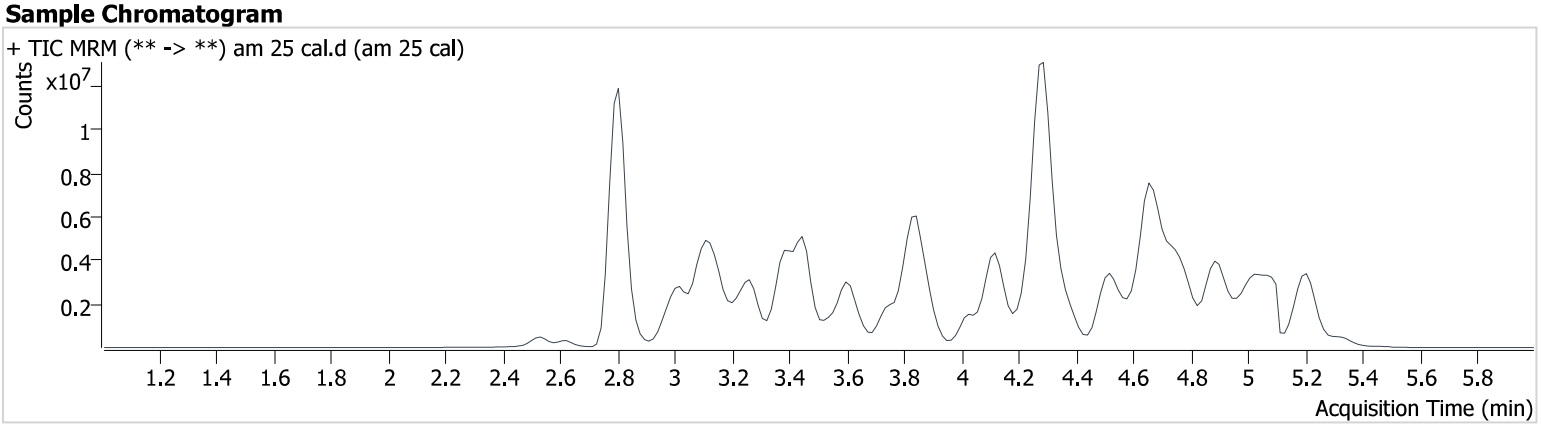
AM #25 Multi-Drug Screen. Results

Batch results D:\MassHunter\Data\2024\am 25-26\060524r\QuantResults\am 25.batch.bin
Calibration Last Update 6/6/2024 11:47:52 AM

Instrument 69679
Type Cal
Acq. Method mds 4324.m
Sample Position P2-A1
Injection Volume 2.5
Acq. Date-Time 6/5/2024 10:27:37 AM
Sample Info.

Data File am 25 cal.d
Sample am 25 cal
Operator Anne Nord
Comment Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values included in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.

Sample Chromatogram



Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
10-OH-Carbamazepine	3.896	449412	2005.8	20.8	981425	10.000
6-MAM	3.243	21820	13680.6	5912.0	1047865	10.000
7-aminoclonazepam	3.646	322989	84405.8	1253.9	2226782	10.000
7-aminoflunitrazepam	3.877	854180	757.8	263.5	2226782	10.000
9-Hydroxyrisperidone	4.283	3197203	83.7	25753.6	2226782	10.000
Acetyl Fentanyl	4.304	170365	98.3	20318.8	4444951	10.000
Acetyl Norfentanyl	2.977	39032	246.2	171.4	14305605	10.000
a-hydroxyalprazolam	4.734	40756	309.9	26859.4	981425	10.000
alpha-hydroxymidazolam	4.793	513085	27725.7	554.2	3070094	10.000
alpha-PHP	4.127	1236073	450.0	539.0	4358997	10.000
alpha-PVP	3.836	1293242	4006.6	547.6	4358997	10.000
Alprazolam	4.813	401774	172.5	121.5	3070094	10.000
Amitriptyline	4.801	900332	466.2	327.2	4642393	10.000
Amphetamine	3.027	1287409	457.2	412.2	4358997	10.000
Benzoylecgonine	3.492	30338	2454.2	67.2	160365	10.000
Bromazolam	4.899	190354	42325.5	403.3	3070094	10.000
Brompheniramine	4.336	48258	∞	9374.5	35969550	10.000
Buprenorphine	5.337	4105	185.4	58.0	1796561	10.000
Bupropion	4.158	2140544	6078.7	2057.3	8623839	10.000
Carbamazepine	4.390	2565281	1246.7	∞	4170002	10.000
Carisoprodol	4.327	323880	241.6	55.5	2314552	10.000
Chlordiazepoxide	4.998	316034	∞	∞	3070094	10.000
Chlorpheniramine	4.217	3153440	107931.2	54.7	5750245	10.000
Chlorpromazine	5.071	1015154	1112.2	160022.0	6296675	10.000
Citalopram	4.365	1511831	429.8	238905.4	35969550	10.000
Clomimpramine	5.056	1326482	130.7	335.4	3002263	10.000
Clonazepam	4.674	117268	83.0	4682.1	981425	10.000
Clonazolam	4.547	112304	64802.2	15682.4	981425	10.000
clozapine	4.885	1908542	1341.9	402692.5	9609163	10.000
Cocaethylene	4.044	1677581	228.8	1254.2	14028540	10.000
Cocaine	3.860	2148869	436.9	203.1	14028540	10.000
Codeine	3.215	179358	12273.7	174482.0	4170002	10.000

AM #25 Multi-Drug Screen. Results

Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
Cyclobenzaprine	4.694	1430610	8237.9	23.3	4642393	10.000
Desipramine	4.695	2180188	349496.7	1331.0	4642393	10.000
Dextromethorphan	4.341	812920	3141.5	693.2	5750245	10.000
Dextrorphan	3.542	982461	3281.8	14122.5	4358997	10.000
Diazepam	5.091	419852	532.7	481.7	3070094	10.000
Dihydrocodeine	2.955	509771	181.2	222.0	4170002	10.000
Dimethyltriptamine	3.117	1007599	3468.6	1857.5	4358997	10.000
Diphenhydramine	4.296	4199585	1737.5	237.7	35969550	10.000
Doxepin	4.494	936897	2176.1	462.0	9609163	10.000
Doxylamine	3.817	3640525	507.6	2790.5	4358997	10.000
Duloxetine	4.631	48061	10793.2	2952.4	3002263	10.000
EDDP	4.293	154614	3277.6	20577.3	945200	10.000
Estazolam	4.739	899798	195.6	120.2	3070094	10.000
Etizolam	4.808	47973	10254.9	59575.6	3070094	10.000
Fentanyl	4.533	180671	590.8	24087.8	10754004	10.000
Flualprazolam	4.641	198768	44209.6	570.9	3070094	10.000
Flunitrazepam	4.781	412357	6975.5	40041.7	981425	10.000
Fluorofentanyl	4.593	161106	29526.4	39138.8	10754004	10.000
Fluoxetine	4.598	1436676	21133.5	30430.9	3002263	10.000
Flurazepam	4.607	1474354	276316.5	65163.1	1796561	10.000
Hydrocodone	3.415	595819	245.9	661.7	4170002	10.000
Hydromorphone	2.791	345607	7064.4	∞	119109	10.000
hydroxyzine	4.989	2414901	405757.4	2591.8	9609163	10.000
Imipramine	4.755	3341817	50480.7	5461.2	4642393	10.000
Ketamine	4.113	1331236	9689.6	338.6	6409240	10.000
Lamotrigine	3.772	1215514	185777.8	749794.2	4358997	10.000
Levamisole	3.361	892145	6147.4	263.6	14028540	10.000
Levetiracetam	2.630	253747	273.5	2074.9	2226782	10.000
Lorazepam	4.627	22763	∞	∞	981425	10.000
Maprotiline	4.709	382766	101170.5	69.1	4642393	10.000
MDA	3.147	1347971	703.5	150.8	9771969	10.000
MDEA	3.392	2217308	7865.3	252.2	9771969	10.000
MDMA	3.239	2225028	937.8	277.8	9771969	10.000
Meperidine	3.865	1184456	5304.9	12683.3	119109	10.000
Meprobamate	3.745	150508	1515.2	27.3	2314552	10.000
Methadone	4.675	3541631	1139.1	1077.7	4444951	10.000
Methamphetamine	3.134	1483707	∞	∞	9771969	10.000
Methocarbamol	3.712	104460	310.7	855.9	4170002	10.000
Methylphenidate	3.743	3729345	326.3	2173.5	8926966	10.000
Metoprolol	3.587	413864	3075.7	1549.4	4358997	10.000
Midazolam	4.962	275269	167582.0	69561.4	2226782	10.000
Mirtazapine	4.588	1549203	2359.2	1478.7	1796561	10.000
Mitragynine	4.621	216512	57608.1	138351.8	10754004	10.000
Morphine	2.608	129197	∞	1028.5	119109	10.000
Norbuprenorphine	4.023	60711	344.6	15529.9	1796561	10.000
Nordiazepam	4.940	218351	62404.9	70754.6	3070094	10.000
Norfentanyl	3.467	2546061	15284.6	864.7	14305605	10.000
Norhydrocodone	3.064	70169	70.3	599.1	4170002	10.000
norketamine	4.159	230049	50.8	13592.0	6409240	10.000
Normeperidine	3.790	1332425	5684.4	1896.0	119109	10.000
Noroxycodone	3.016	826847	∞	884.2	4170002	10.000
Nortriptyline	4.742	1106737	304676.3	135.9	3002263	10.000
O-desmethyl-tramadol	3.021	2970629	5688.7	115.4	4444951	10.000
O-Desmethylvenlafaxine	3.402	856929	655.4	∞	4444951	10.000
Olanzapine	4.214	862544	5101.1	605.9	3002263	10.000
Oxazepam	4.739	136768	51.9	34.8	981425	10.000
Oxycodone	3.198	1298957	366.2	42.8	6409240	10.000
Oxymorphone	2.529	880543	399.0	340.0	119109	10.000
Paroxetine	4.656	257676	∞	23376.6	3002263	10.000
Phenazepam	4.854	256152	∞	20540.3	3070094	10.000

AM #25 Multi-Drug Screen. Results

Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
Phencyclidine	4.128	2579522	7271.6	977.9	4444951	10.000
Phentermine	3.287	839515	∞	19212275 088185.7	8926966	10.000
Phenytoin	4.281	81528	3281.3	27.1	39971	10.000
primidone	3.546	1275841	357999.8	339.7	14305605	10.000
Promethazine	4.755	2992335	11047.8	2035.5	4642393	10.000
Pseudoephedrine	2.812	42482612	1364.7	610.0	8926966	10.000
Quetiapine	5.004	3136545	581362.7	346357.0	5750245	10.000
Risperidone	4.499	2615512	873574.8	154.2	5750245	10.000
Sertraline	4.951	584844	82984.1	∞	3002263	10.000
Sufentanil	4.973	155596	43752.9	115.4	10754004	10.000
Tapentadol	3.607	2140846	5901.9	289.8	6409240	10.000
Temazepam	4.905	660807	777.4	45.0	3070094	10.000
Topiramate	3.949	116774	29099.0	15002.8	60302	10.000
Tramadol	3.603	7088773	∞	41.0	1047865	10.000
Trazodone	5.218	2792155	304430.9	328467.3	13704762	10.000
Venlafaxine	4.017	3140186	1417105.6	184.2	4444951	10.000
Xylazine	3.561	165448	201.7	7063.3	4444951	10.000
Zaleplon	4.538	445734	84019.7	525.5	981425	10.000
Zolpidem	4.676	3987837	983142.6	436365.4	16968947	10.000
Zopiclone	4.714	380177	307854.8	1702.4	2220769	10.000

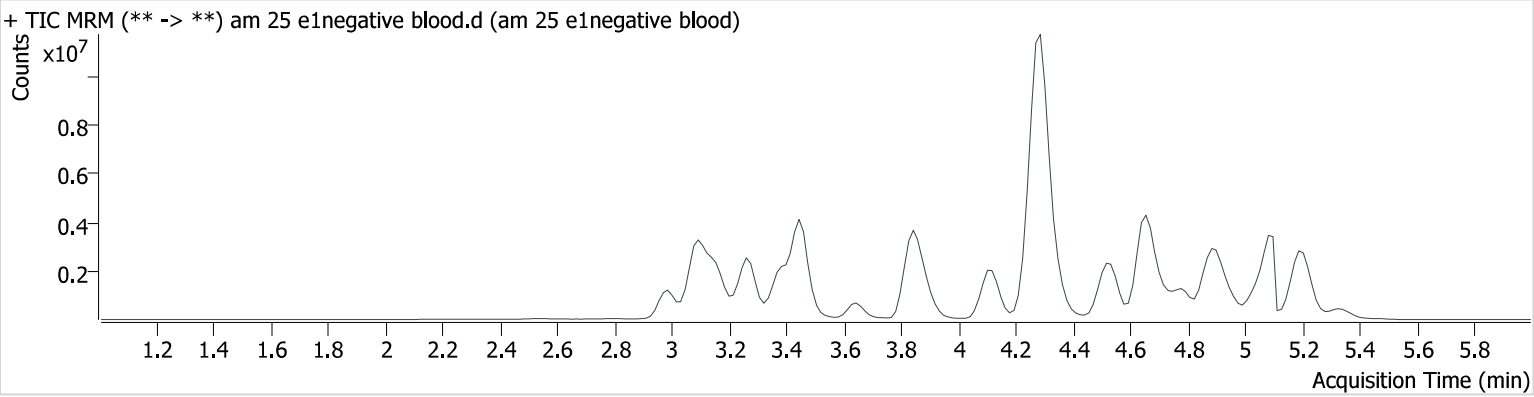
AM #25 Multi-Drug Screen. Results

6/7/24

Batch results D:\MassHunter\Data\2024\am 25-26\060524r\QuantResults\am 25.batch.bin
Calibration Last Update 6/6/2024 11:47:52 AM

Instrument	69679	**Data File**	am 25 e1negative blood.d
Type	Sample	**Sample**	am 25 e1negative blood
Acq. Method	mds 4324.m	**Operator**	Anne Nord
Sample Position	P2-E1	**Comment**	Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values included in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.
Injection Volume	2.5		
Acq. Date-Time	6/5/2024 10:41:15 AM		
Sample Info.			

Sample Chromatogram

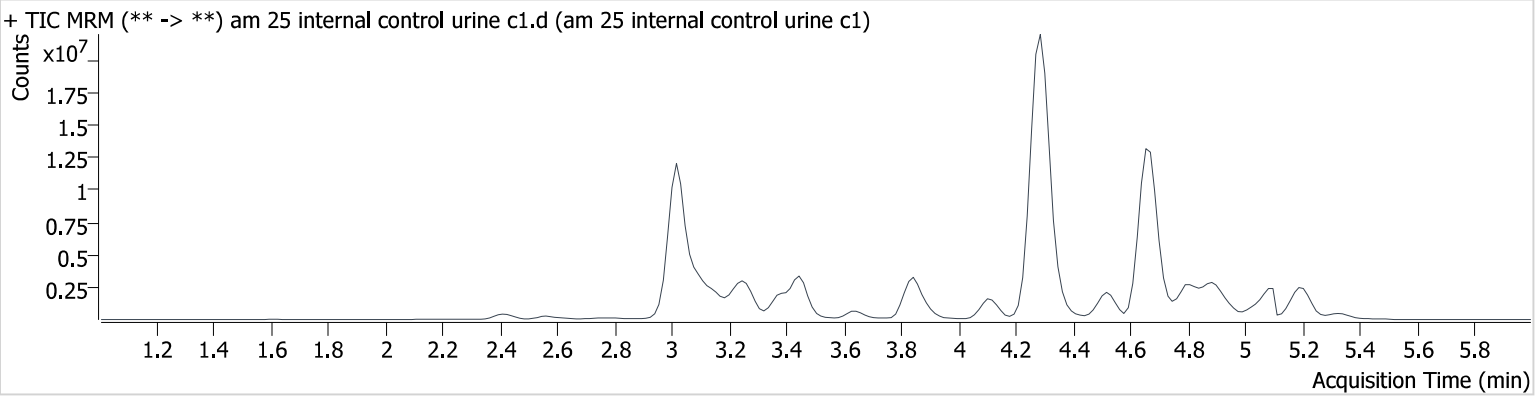


AM #25 Multi-Drug Screen. Results

Batch results D:\MassHunter\Data\2024\am 25-26\060524r\QuantResults\am 25.batch.bin
Calibration Last Update 6/6/2024 11:47:52 AM

Instrument	69679	**Data File**	am 25 internal control urine c1.d
Type	Sample	**Sample**	am 25 internal control urine c1
Acq. Method	mds 4324.m	**Operator**	Anne Nord
Sample Position	P2-C1	**Comment**	Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values included in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.
Injection Volume	2.5		
Acq. Date-Time	6/5/2024 10:34:31 AM		
Sample Info.			

Sample Chromatogram



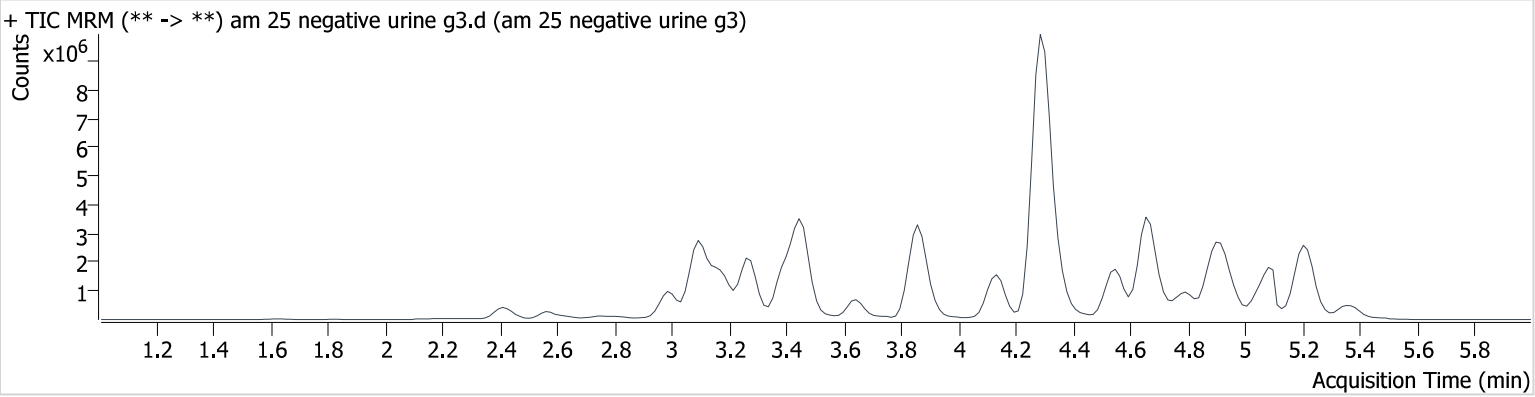
Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
Alprazolam	4.813	4696904	1273.3	548.9	2990672	120.009
Amphetamine	3.027	14171964	885.5	2833.4	3487659	137.583
Codeine	3.230	2209479	17228.7	1984.6	3867275	132.831
Diphenhydramine	4.296	45718501	15319.0	10482.5	28715106	136.367
Zolpidem	4.676	36807358	24525386.3	28769.6	13658464	114.670

AM #25 Multi-Drug Screen. Results

Batch results D:\MassHunter\Data\2024\am 25-26\060524r\QuantResults\am 25.batch.bin
Calibration Last Update 6/6/2024 11:47:52 AM

Instrument	69679	**Data File**	am 25 negative urine g3.d
Type	Sample	**Sample**	am 25 negative urine g3
Acq. Method	mds 4324.m	**Operator**	Anne Nord
Sample Position	P2-G3	**Comment**	Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values included in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.
Injection Volume	2.5		
Acq. Date-Time	6/5/2024 12:42:28 PM		
Sample Info.			

Sample Chromatogram



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

Extraction Date: 06/05/24
Plate lot#: 240513
Mobile phase A: 10mM Amm Form in LCMS water
Blank Blood Lot: 24C52042
LCMS-QQQ ID: 69679

Analyst: Anne Nord
Plate Retest Date: 11/13/2024
Mobile phase B: 0.1% Formic acid in MeOH
Blank Urine Lot: 6524
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: K52558G**
☒ 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: **750 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:

	1	2	3	4	5	6
a	cal 1	Internal control urine	0923-1	1033-2	1062-2	
b	cal 2	negative blood	0924-1	1041-1	1066-1	
c	cal 3	0859-1	0934-1	1043-1	1074-1	
d	cal 4	0866-1	0950-1	negative urine		
e	cal 5	0877-1	0985-1	0866-2		
f	cal 6	0880-1	1015-1	0961-1		
g	cal 7	0897-1	1025-1	1031-1		
h	Internal control (blood)	0919-1	1030-1	M2024-1969-3		

Plate position 3

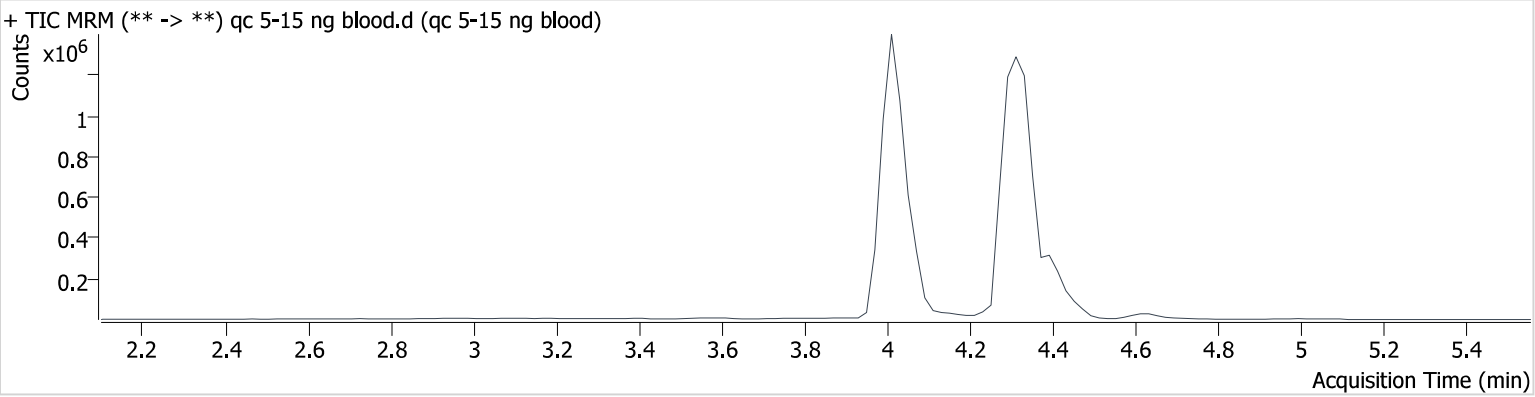
c2024-____-_

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2024\am 25-26\060524r\QuantResults\am 26.batch.bin
Calibration Last Update 6/6/2024 11:23:02 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**	Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values included in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.
Injection Volume	5		
Acq. Date-Time	6/5/2024 3:02:39 PM		
Sample Info.			

Sample Chromatogram



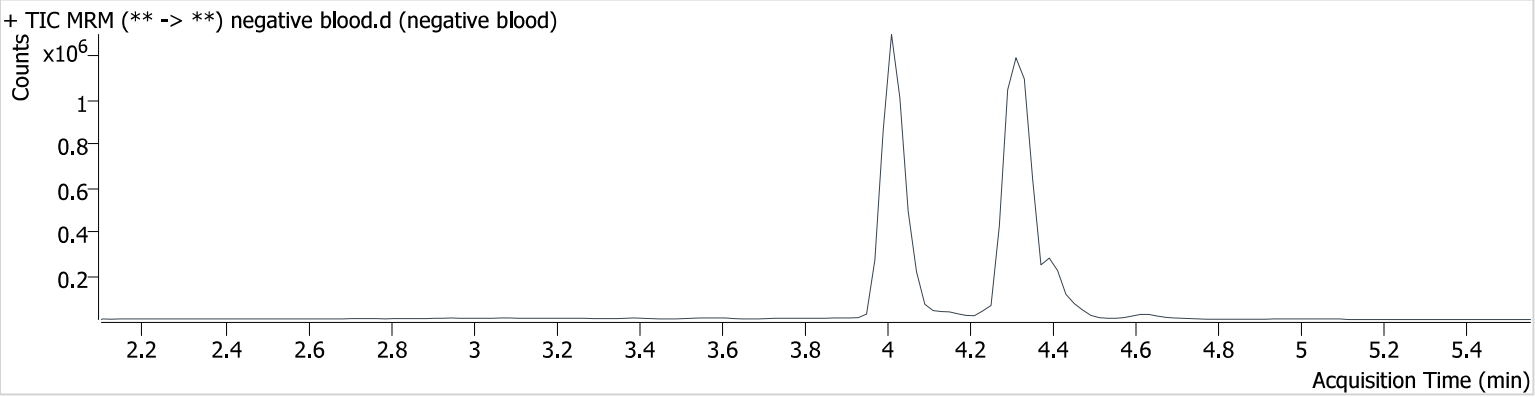
Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	4.405	19143	427224	4.80 ng/ml
THC-COOH	4.053	198402	955814	14.51 ng/ml
THC-OH	4.019	34822	4022833	4.86 ng/ml

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2024\am 25-26\060524r\QuantResults\am 26.batch.bin
Calibration Last Update 6/6/2024 11:23:02 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**	Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values included in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.
Injection Volume	5		
Acq. Date-Time	6/5/2024 3:15:36 PM		
Sample Info.			

Sample Chromatogram

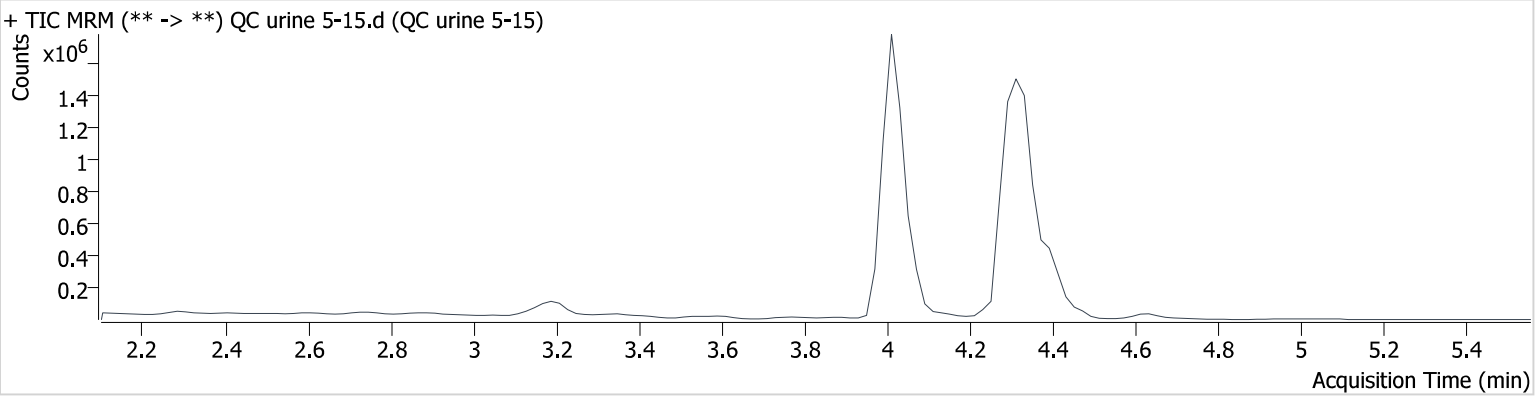


AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2024\am 25-26\060524r\QuantResults\am 26.batch.bin
Calibration Last Update 6/6/2024 11:23:02 AM

Instrument	69679	**Data File**	QC urine 5-15.d
Type	QC	**Sample**	QC urine 5-15
Acq. Method	am 26 cann scr 5-5-20.m	**Operator**	Anne Nord
Sample Position	P3-A2	**Comment**	Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values included in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.
Injection Volume	5		
Acq. Date-Time	6/5/2024 3:09:08 PM		
Sample Info.			

Sample Chromatogram



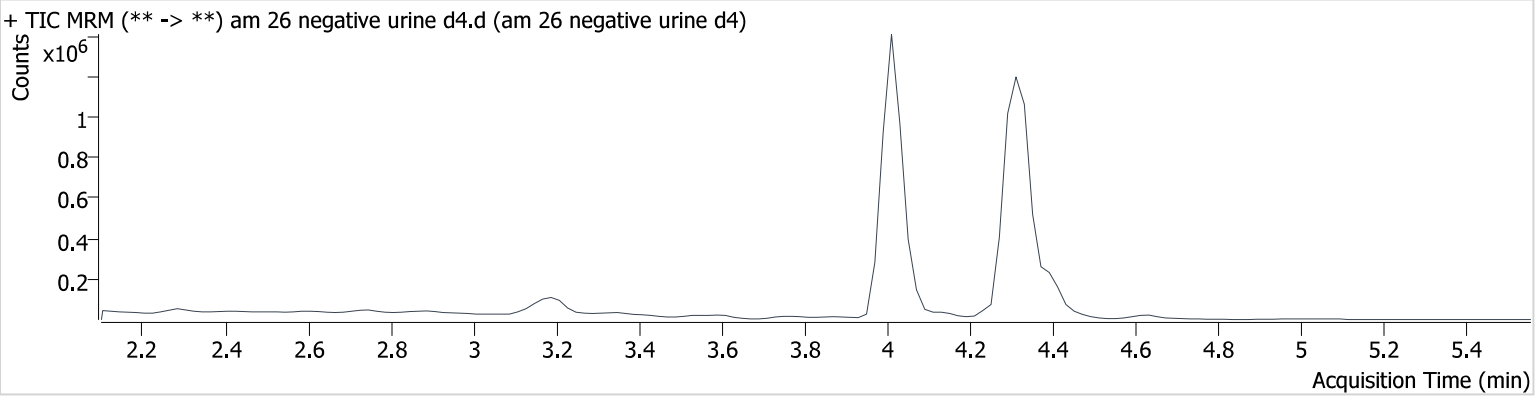
Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	4.405	27416	613341	4.79 ng/ml
THC-COOH	4.053	170196	852974	13.95 ng/ml
THC-OH	4.019	43430	4982636	4.90 ng/ml

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2024\am 25-26\060524r\QuantResults\am 26.batch.bin
Calibration Last Update 6/6/2024 11:23:02 AM

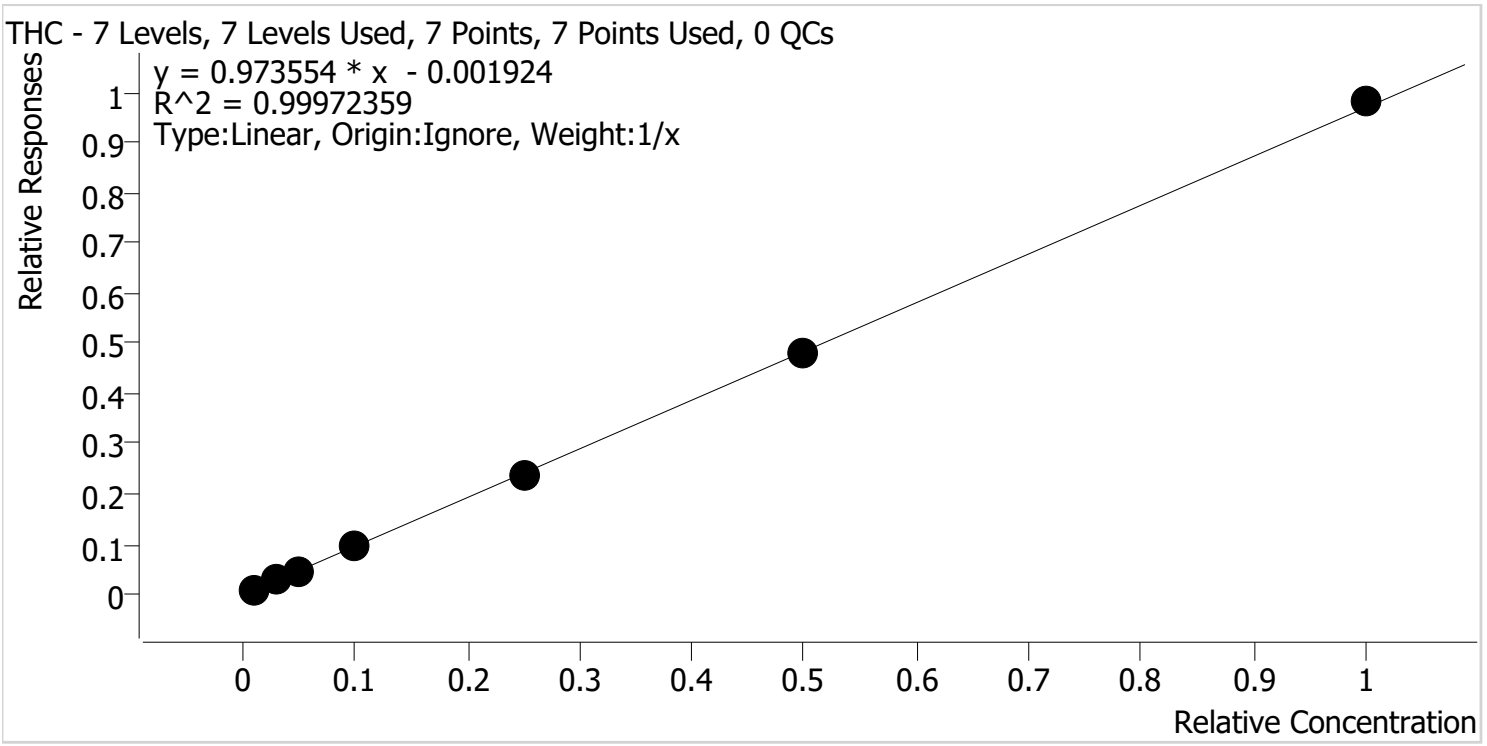
Instrument	69679	**Data File**	am 26 negative urine d4.d
Type	Sample	**Sample**	am 26 negative urine d4
Acq. Method	am 26 cann scr 5-5-20.m	**Operator**	Anne Nord
Sample Position	P3-D4	**Comment**	Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values included in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.
Injection Volume	5		
Acq. Date-Time	6/5/2024 5:12:02 PM		
Sample Info.			

Sample Chromatogram



Compound Calibration Report

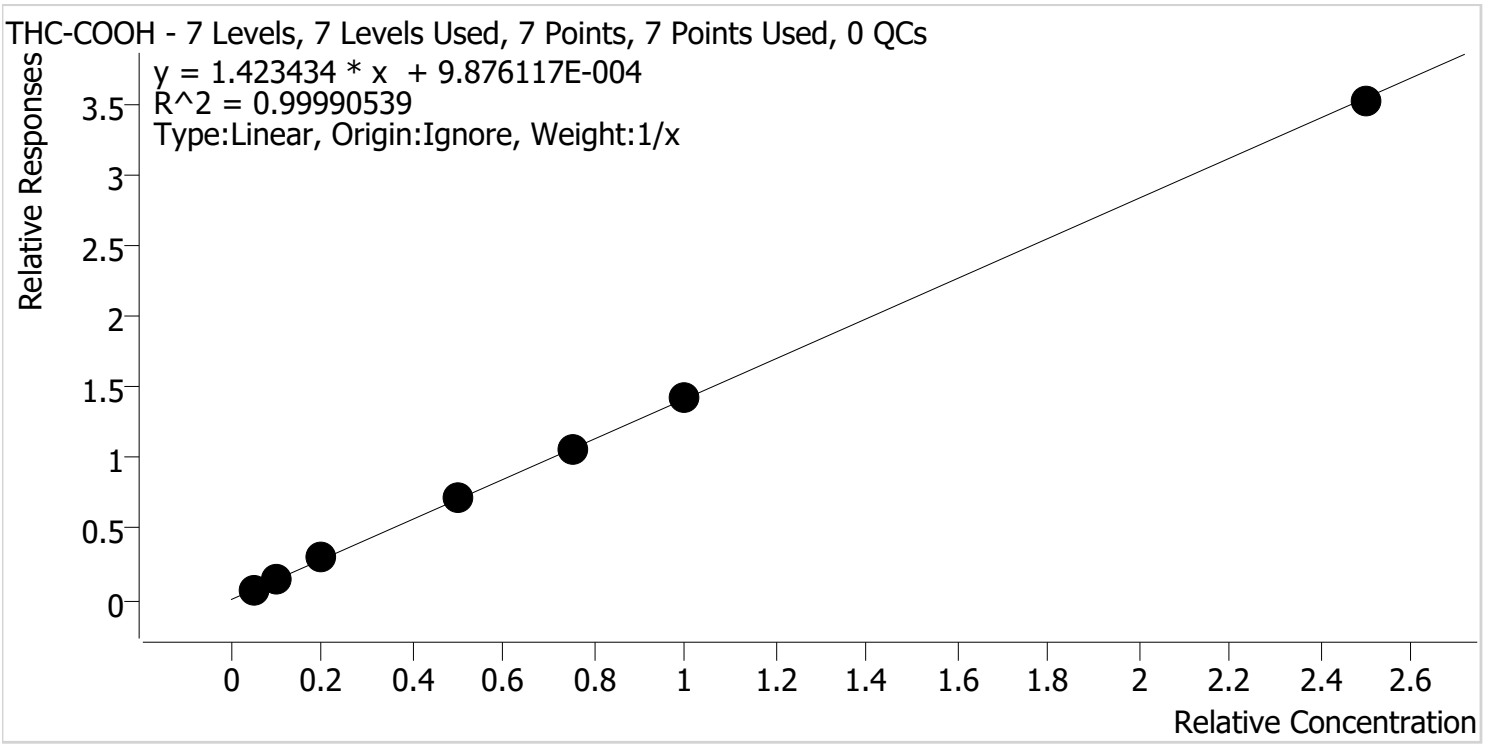
Batch results	D:\MassHunter\Data\2024\am 25-26\060524r\QuantResults\am 26.batch.bin
Last Cal. Update	6/6/2024 11:23 AM
Analyst Name	ISP\datastor
Analyte	THC
Internal Standard	THC-d3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1	1	✔	1.0	1.1	109.4
cal 2	2	✔	3.0	2.9	96.3
cal 3	3	✔	5.0	4.9	97.8
cal 4	4	✔	10.0	9.7	97.4
cal 5	5	✔	25.0	24.7	99.0
cal-6	6	✔	50.0	49.4	98.8
cal-7	7	✔	100.0	101.2	101.2

Compound Calibration Report

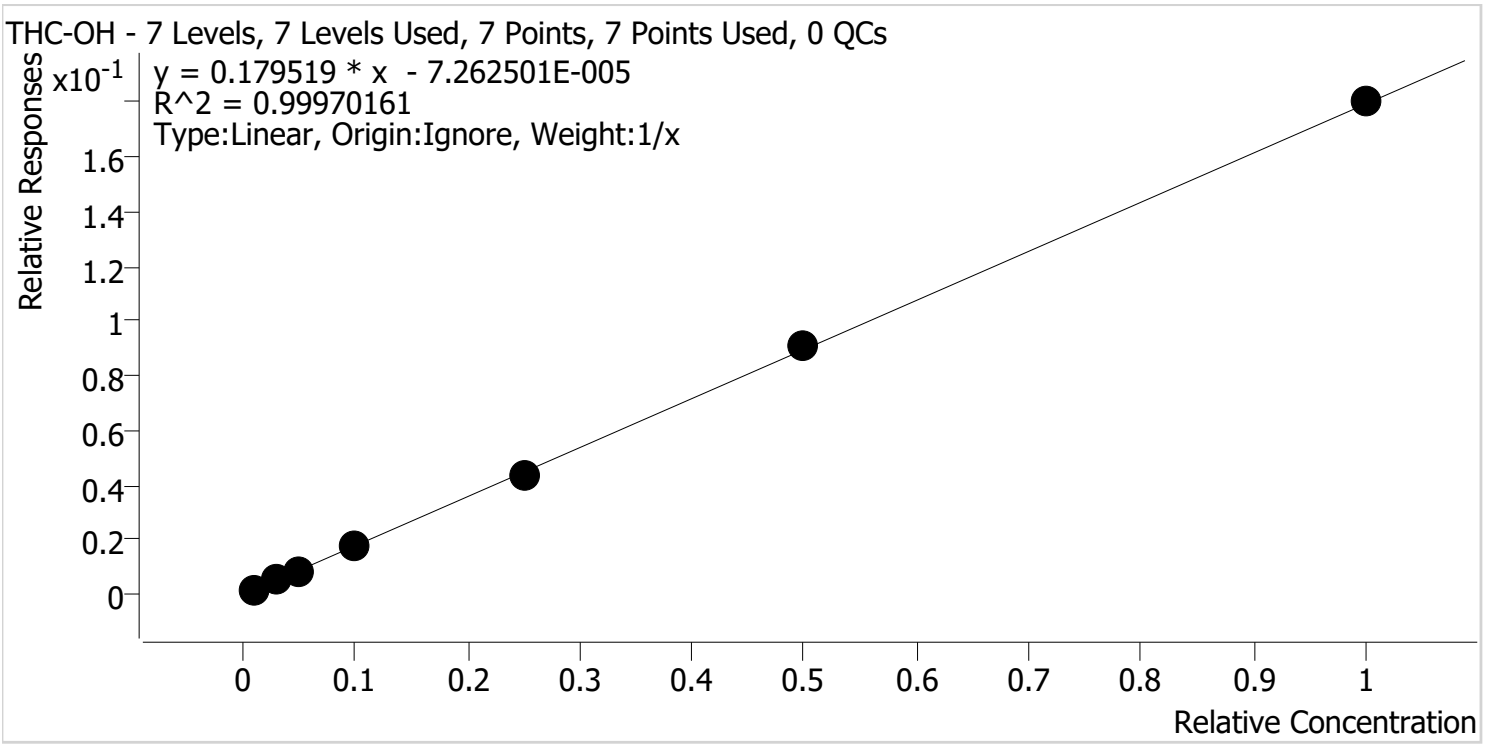
Batch results	D:\MassHunter\Data\2024\am 25-26\060524r\QuantResults\am 26.batch.bin
Last Cal. Update	6/6/2024 11:23 AM
Analyst Name	ISP\datastor
Analyte	THC-COOH
Internal Standard	THC-COOH-d9



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1	1	✔	5.0	4.9	97.7
cal 2	2	✔	10.0	9.9	99.2
cal 3	3	✔	20.0	20.3	101.5
cal 4	4	✔	50.0	50.5	101.0
cal 5	5	✔	75.0	75.5	100.7
cal-6	6	✔	100.0	100.8	100.8
cal-7	7	✔	250.0	248.1	99.2

Compound Calibration Report

Batch results	D:\MassHunter\Data\2024\am 25-26\060524r\QuantResults\am 26.batch.bin
Last Cal. Update	6/6/2024 11:23 AM
Analyst Name	ISP\datastor
Analyte	THC-OH
Internal Standard	THC-OH-d3



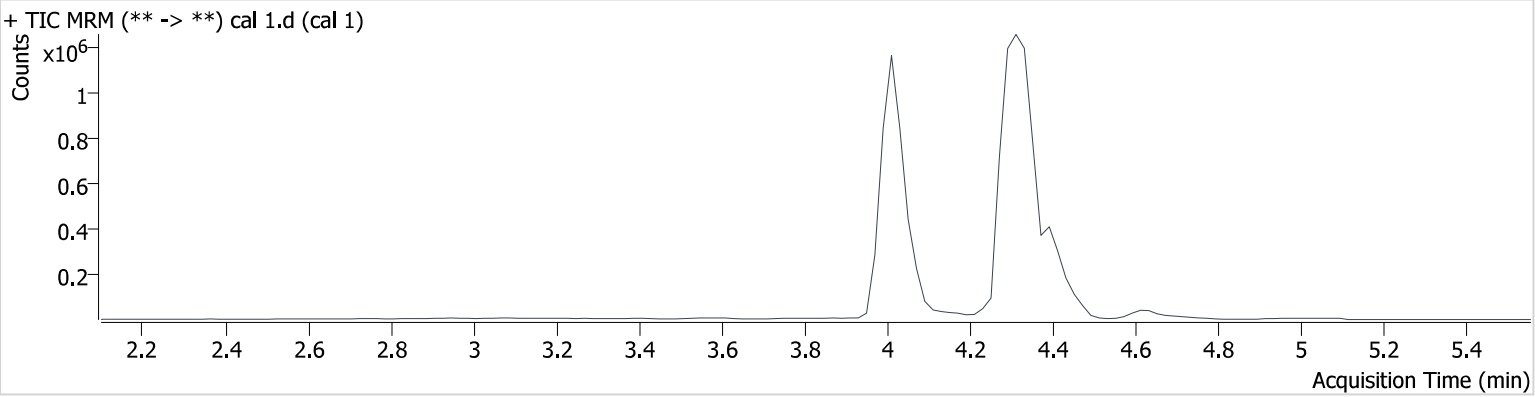
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1	1	✔	1.0	1.1	106.3
cal 2	2	✔	3.0	3.1	102.8
cal 3	3	✔	5.0	4.7	94.6
cal 4	4	✔	10.0	9.7	97.0
cal 5	5	✔	25.0	24.4	97.8
cal-6	6	✔	50.0	50.5	101.0
cal-7	7	✔	100.0	100.4	100.4

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2024\am 25-26\060524r\QuantResults\am 26.batch.bin
Calibration Last Update 6/6/2024 11:23:02 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**	Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values included in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.
Injection Volume	5		
Acq. Date-Time	6/5/2024 2:17:11 PM		
Sample Info.			

Sample Chromatogram



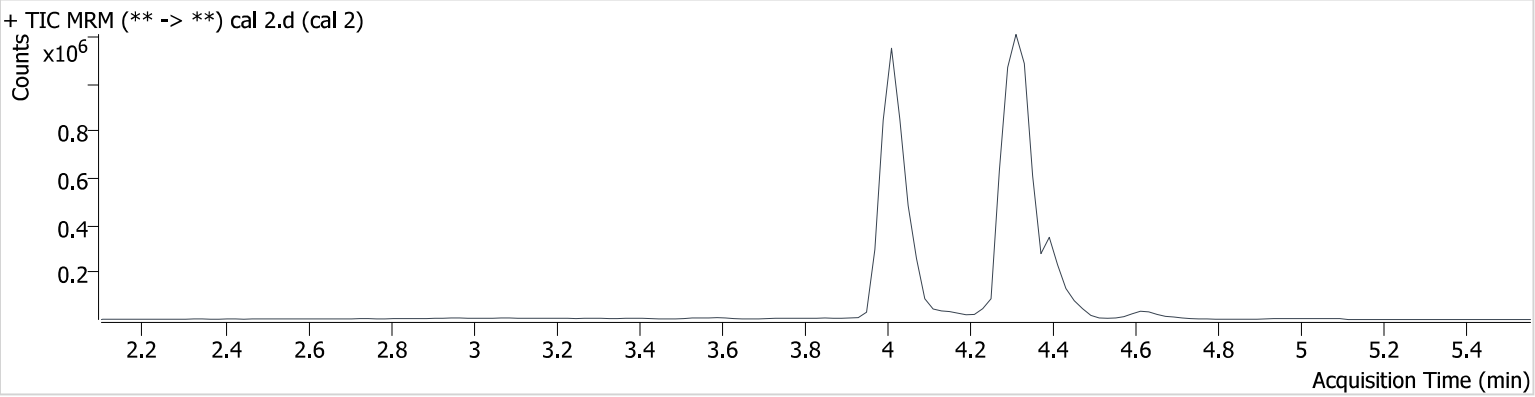
Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	4.405	4741	543308	1.09 ng/ml **Low**
THC-COOH	4.053	57826	820263	4.88 ng/ml **Low**
THC-OH	4.019	6642	3618903	1.06 ng/ml **Low**

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2024\am 25-26\060524r\QuantResults\am 26.batch.bin
Calibration Last Update 6/6/2024 11:23:02 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**	Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values included in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.
Injection Volume	5		
Acq. Date-Time	6/5/2024 2:23:49 PM		
Sample Info.			

Sample Chromatogram



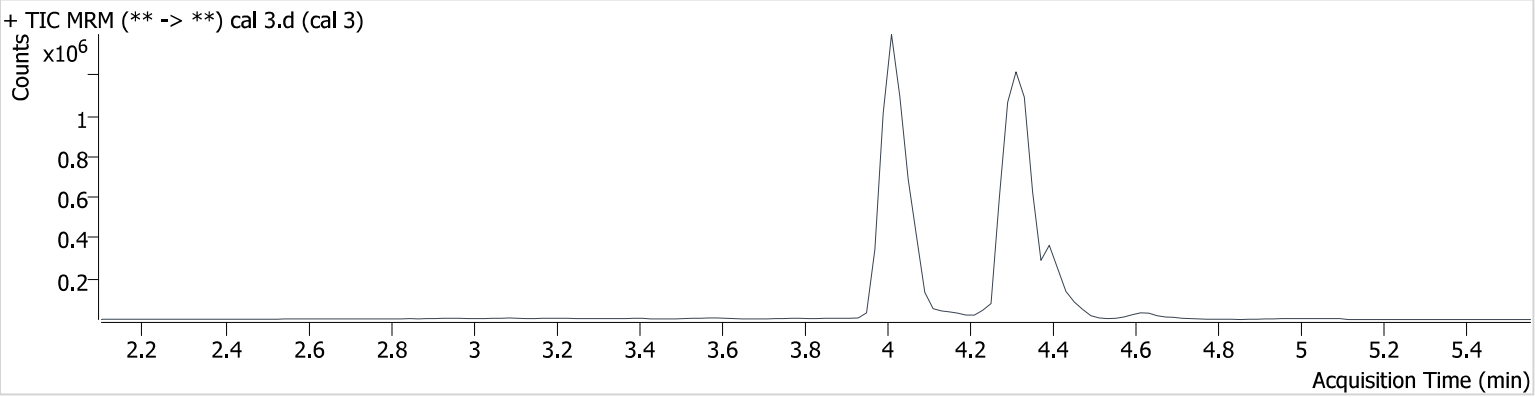
Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	4.405	13543	516846	2.89 ng/ml **Low**
THC-COOH	4.053	121736	856540	9.92 ng/ml **Low**
THC-OH	4.019	18689	3420906	3.08 ng/ml

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2024\am 25-26\060524r\QuantResults\am 26.batch.bin
Calibration Last Update 6/6/2024 11:23:02 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**	Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values included in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.
Injection Volume	5		
Acq. Date-Time	6/5/2024 2:30:17 PM		
Sample Info.			

Sample Chromatogram



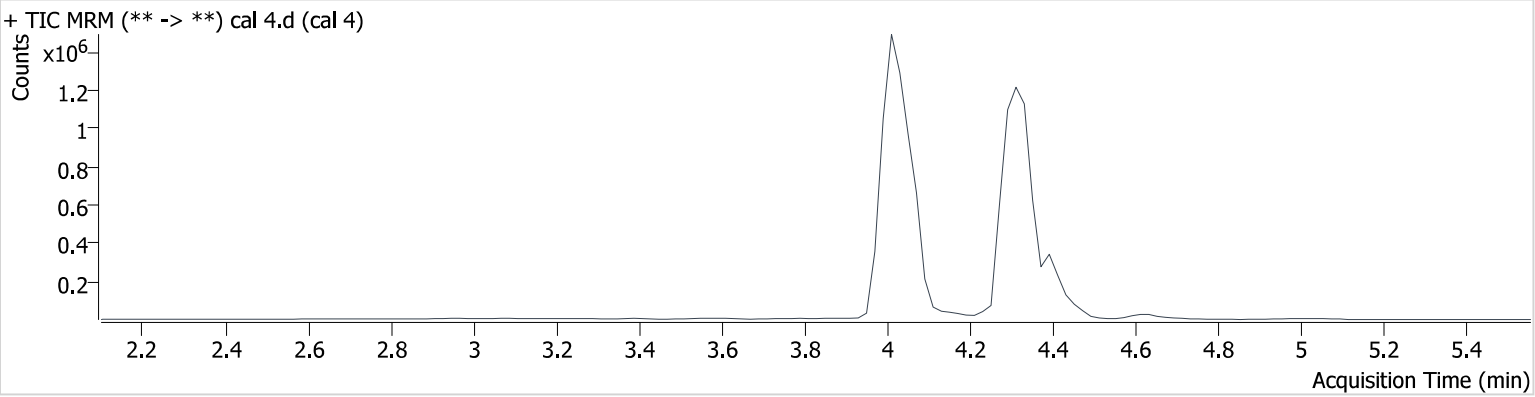
Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	4.405	24718	541017	4.89 ng/ml
THC-COOH	4.053	290089	1000898	20.29 ng/ml
THC-OH	4.019	33873	4022063	4.73 ng/ml

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2024\am 25-26\060524r\QuantResults\am 26.batch.bin
Calibration Last Update 6/6/2024 11:23:02 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**	Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values included in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.
Injection Volume	5		
Acq. Date-Time	6/5/2024 2:36:46 PM		
Sample Info.			

Sample Chromatogram



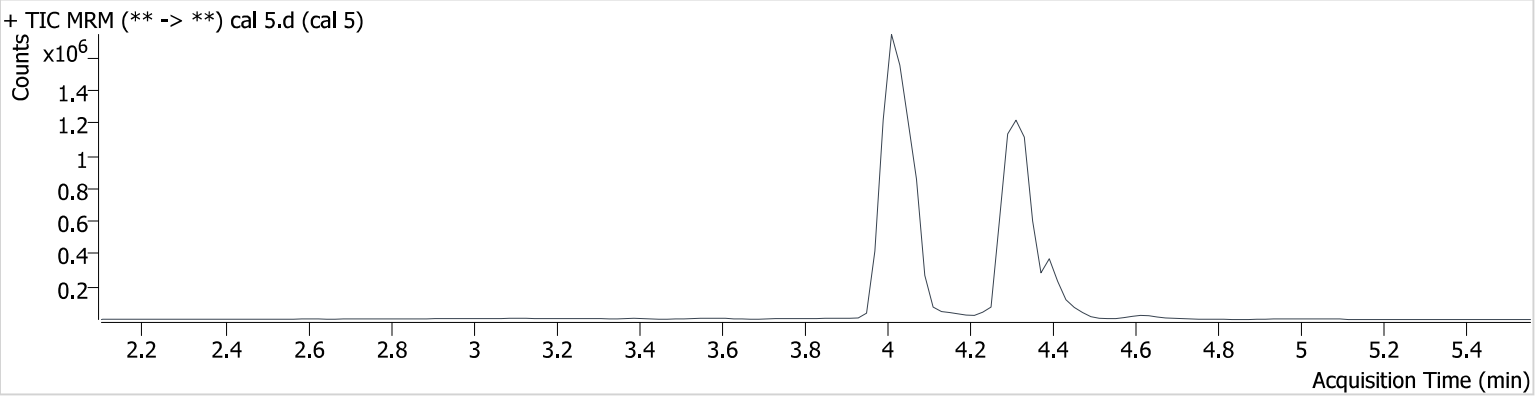
Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	4.405	45114	485417	9.74 ng/ml
THC-COOH	4.053	678389	942285	50.51 ng/ml
THC-OH	4.019	67217	3876162	9.70 ng/ml

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2024\am 25-26\060524r\QuantResults\am 26.batch.bin
Calibration Last Update 6/6/2024 11:23:02 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**	Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values included in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.
Injection Volume	5		
Acq. Date-Time	6/5/2024 2:43:15 PM		
Sample Info.			

Sample Chromatogram



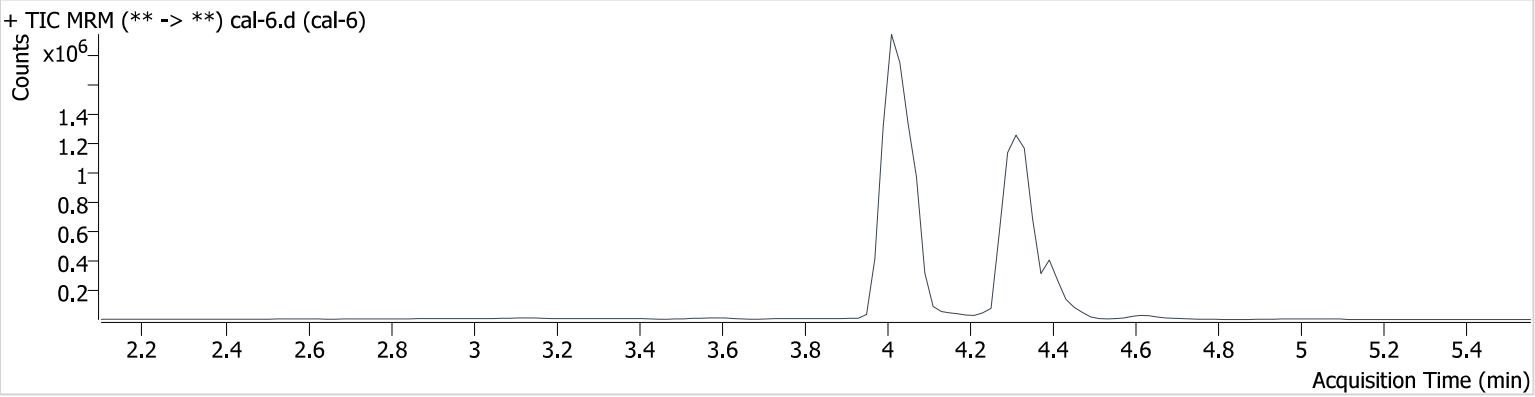
Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	4.405	114112	477422	24.75 ng/ml
THC-COOH	4.053	964581	896471	75.52 ng/ml
THC-OH	4.019	163265	3726062	24.45 ng/ml

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2024\am 25-26\060524r\QuantResults\am 26.batch.bin
Calibration Last Update 6/6/2024 11:23:02 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**	Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values included in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.
Injection Volume	5		
Acq. Date-Time	6/5/2024 2:49:43 PM		
Sample Info.			

Sample Chromatogram



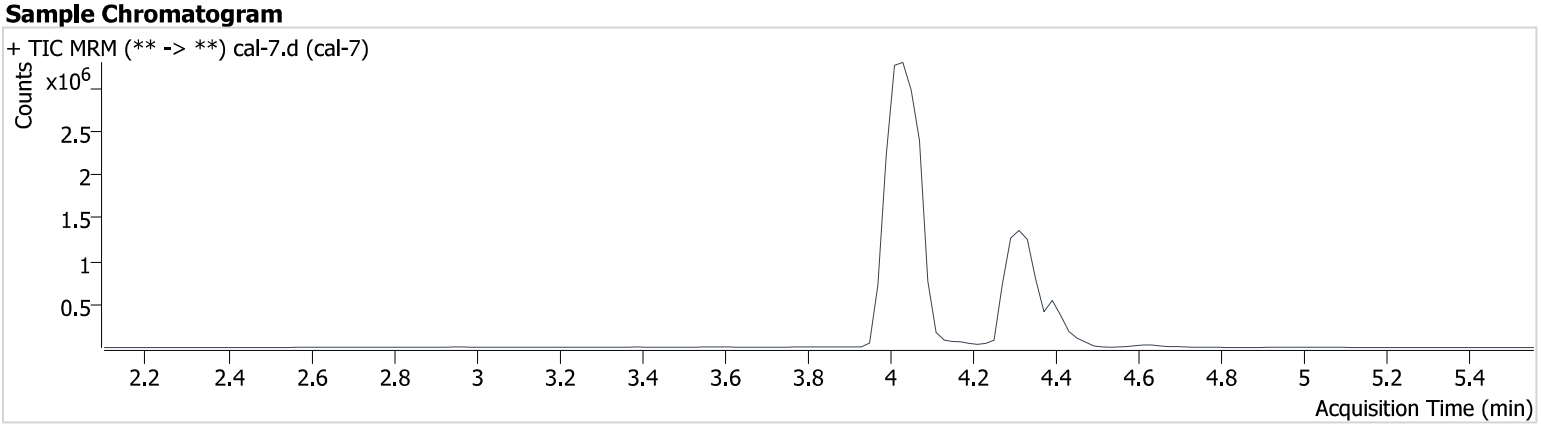
Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	4.405	211220	440740	49.42 ng/ml
THC-COOH	4.053	1129429	786877	100.77 ng/ml
THC-OH	4.019	294029	3244421	50.52 ng/ml

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2024\am 25-26\060524r\QuantResults\am 26.batch.bin
Calibration Last Update 6/6/2024 11:23:02 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**	Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values included in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.
Injection Volume	5		
Acq. Date-Time	6/5/2024 2:56:11 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	4.405	426119	433306	101.21 ng/ml
THC-COOH	4.053	3044937	861922	248.11 ng/ml
THC-OH	4.019	663632	3681663	100.45 ng/ml