



Worklist: 6861

<u>LAB_CASE</u>	<u>ITEM</u>	<u>ITEM_TYPE</u>	<u>DESCRIPTION</u>	
C2024-1093	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
C2024-1110	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
C2024-1114	2	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
C2024-1120	1	UCK	AM 25/AM 26 Urine MultiDrug/THC Screen by LC-QQQ	
C2024-1131	2	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
C2024-1141	2	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
C2024-1181	1	UCK	AM 25/AM 26 Urine MultiDrug/THC Screen by LC-QQQ	
C2024-1188	3	UCK	AM 25/AM 26 Urine MultiDrug/THC Screen by LC-QQQ	
C2024-1189	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
C2024-1197	1	UCK	AM 25/AM 26 Urine MultiDrug/THC Screen by LC-QQQ	
C2024-1232	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
C2024-1233	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
C2024-1242	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
C2024-1244	2	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
C2024-1250	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: 07/08/2024

Plate lot#: 240524

Mobile phase A: 10mM Amm Form

Blank Blood Lot: 24C52042

LCMS-QQQ ID: 69679

Analyst: Anne Nord

Plate Retest Date: 11/24/2024

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.**
- 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: 75401
- 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:

C2024-1197-1 was re-injected due to suspected contamination. This sample will be re-extracted and run with another batch.

	1	2	3	4	5	6	7	8	9	10	11	12
A		1131-2	negative urine									1120-1
B	cal 1	1141-2										1181-1
C		1189-1										1188-3
D	internal urine control	1232-1										1197-1
E	negative blood	1233-1										
F	1093-1	1242-1										
G	1110-1	1244-2										
H	1114-2	1250-2										

C2024- ____ -

plate position 2

AM #25 Multi-Drug Screen. Results

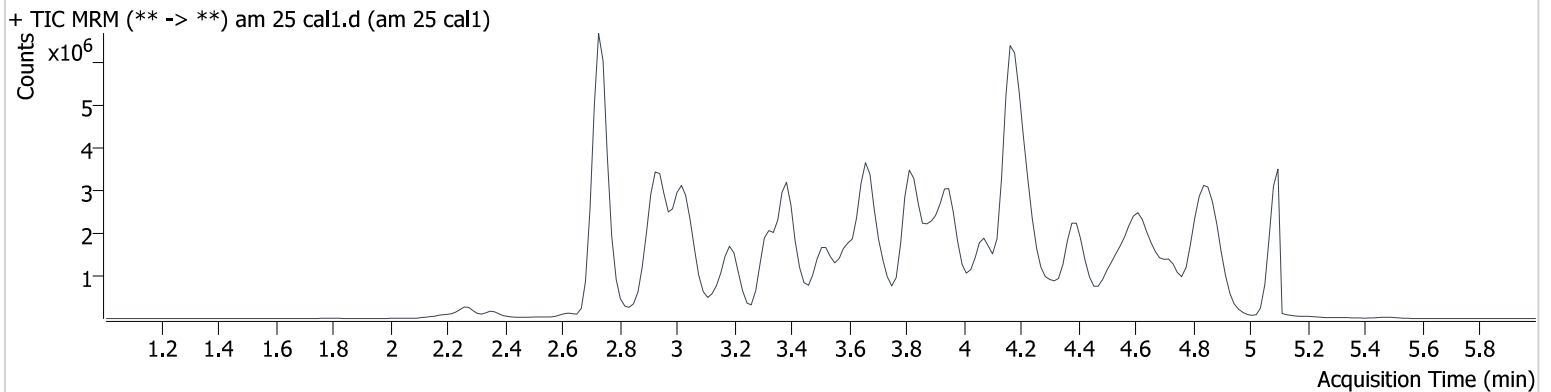
Batch results D:\MassHunter\Data\2024\am 25-26\070824\QuantResults\am 25.batch.bin
Calibration Last Update 7/9/2024 2:21:08 PM

Instrument 69679
Type Cal
Acq. Method mds 4324.m
Sample Position P2-B1
Injection Volume 2.5
Acq. Date-Time 7/8/2024 11:42:25 AM
Sample Info.

Data File am 25 cal1.d
Sample am 25 cal1
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	333341	4489.0	22.6	2217363	10.000
6-MAM	2.877	14317	13589.7	5435.5	514431	10.000
7-aminoclonazepam	3.616	260785	171.1	∞	1303092	10.000
7-aminoflunitrazepam	3.861	453069	585.4	93.9	1303092	10.000
9-Hydroxyrisperidone	3.946	1682552	2987.5	11616.3	1303092	10.000
Acetyl Fentanyl	3.827	98933	227.0	27704.8	2385517	10.000
Acetyl Norfentanyl	2.901	33513	∞	1182.1	8111322	10.000
a-hydroxyalprazolam	4.734	102394	130.6	25178.0	2217363	10.000
alpha-hydroxymidazolam	4.686	471062	130055.7	283.0	3569829	10.000
alpha-PHP	3.866	786780	2924.2	244.4	2401717	10.000
alpha-PVP	3.575	940485	3155.9	341.2	2401717	10.000
Alprazolam	4.813	522257	720.1	289.8	3569829	10.000
Amitriptyline	4.633	605483	325.3	259.9	2309149	10.000
Amphetamine	2.951	979232	322.9	682.7	2401717	10.000
Benzoylecgonine	3.477	29025	1037.8	∞	113541	10.000
Bromazolam	4.899	408796	562.8	2933.9	3569829	10.000
Brompheniramine	4.213	40270	∞	819.5	17729976	10.000
Buprenorphine	4.175	1210	86.8	20.8	565829	10.000
Bupropion	3.836	975293	760.6	248.6	3792108	10.000
Carbamazepine	4.390	1536409	1014.1	511.3	2271299	10.000
Carisoprodol	4.327	196646	58465.9	16.8	1087616	10.000
Chlordiazepoxide	4.814	446061	14633.9	11158.5	3569829	10.000
Chlorpheniramine	4.093	1783703	∞	55.3	17729976	10.000
Chlorpromazine	4.842	808622	491.6	324652.1	3788656	10.000
Citalopram	4.273	890911	181.8	107715.4	17729976	10.000
Clomipramine	4.858	999339	523.1	926.5	2353221	10.000
Clonazepam	4.674	229073	316.6	5087.0	2217363	10.000
Clonazolam	4.562	151457	352.2	1514.8	2217363	10.000
clozapine	4.395	1274949	3470.0	1886.0	4666564	10.000
Cocaethylene	3.890	1164154	263040.0	359.9	6456262	10.000
Cocaine	3.660	1380396	4143.7	2195.5	6456262	10.000
Codeine	2.742	113377	22824.9	43400.9	2271299	10.000

AM #25 Multi-Drug Screen. Results

Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
Cyclobenzaprine	4.541	1013237	∞	111.7	2309149	10.000
Desipramine	4.603	1480139	1734.3	809.7	2309149	10.000
Dextromethorphan	4.217	567283	205596.8	90069.4	3052825	10.000
Dextrorphan	3.449	739802	2674.4	128896.2	2401717	10.000
Diazepam	5.075	388346	353.7	338.4	3569829	10.000
Dihydrocodeine	2.695	311507	842.6	1316.2	2271299	10.000
Dimethyltryptamine	3.024	563332	357.8	7090.1	2401717	10.000
Diphenhydramine	4.173	2518401	2096.5	724.2	17729976	10.000
Doxepin	4.340	636030	1340.4	85.7	4666564	10.000
Doxylamine	3.663	2280333	527.5	1733.3	2401717	10.000
Duloxetine	4.538	31783	12229.5	8625.2	2353221	10.000
EDDP	4.216	134113	108.3	83.2	698723	10.000
Estazolam	4.723	926872	256.0	137.6	3569829	10.000
Etizolam	4.793	37971	8982.8	∞	3569829	10.000
Fentanyl	4.088	92635	115.8	31843.6	5360029	10.000
Flualprazolam	4.641	211808	54066.0	90.5	3569829	10.000
Flunitrazepam	4.781	483404	581.2	154191.8	2217363	10.000
Fluorofentanyl	4.102	82169	26244.0	53.0	5360029	10.000
Fluoxetine	4.521	981742	546.3	93.1	2353221	10.000
Flurazepam	4.254	851189	385498.5	39859.9	565829	10.000
Hydrocodone	2.971	435871	281.7	618.6	2271299	10.000
Hydromorphone	2.353	228879	1466.8	3359.4	51747	10.000
hydroxyzine	4.669	1274130	1265.2	600046.2	4666564	10.000
Imipramine	4.601	1683370	2950384.8	236.4	2309149	10.000
Ketamine	3.421	769663	6656.4	147.9	3514352	10.000
Lamotrigine	3.603	679241	1368.0	817.5	2401717	10.000
Levamisole	2.917	583276	4169.1	357.7	6456262	10.000
Levetiracetam	2.630	112219	57.9	224.2	1303092	10.000
Lorazepam	4.627	36606	∞	49.8	2217363	10.000
Maprotiline	4.617	490949	286.0	138.7	2309149	10.000
MDA	3.071	951803	207.7	94.3	5630889	10.000
MDEA	3.315	1140296	476.4	292.7	5630889	10.000
MDMA	3.147	1156751	616.2	299.5	5630889	10.000
Meperidine	3.665	576287	127.5	226.2	51747	10.000
Meprobamate	3.745	84860	413.8	58.5	1087616	10.000
Methadone	4.567	1680959	966.9	560.5	2385517	10.000
Methamphetamine	3.042	915583	∞	∞	5630889	10.000
Methocarbamol	3.712	59661	96.1	764.5	2271299	10.000
Methylphenidate	3.605	2152863	746.8	239.6	4872123	10.000
Metoprolol	3.525	215969	773.5	36817.1	2401717	10.000
Midazolam	4.503	135682	298.5	44910.9	1303092	10.000
Mirtazapine	3.725	715128	13553.7	1011.2	565829	10.000
Mitragynine	4.253	115475	18040.8	99653.3	5360029	10.000
Morphine	2.186	72667	459.4	142.8	51747	10.000
Norbuprenorphine	3.916	33694	8872.3	9349.7	565829	10.000
Nordiazepam	4.924	325073	242185.3	189.5	3569829	10.000
Norfentanyl	3.405	1581359	1636.3	503.7	8111322	10.000
Norhydrocodone	2.972	49242	13049.4	2782.4	2271299	10.000
norketamine	3.391	109119	54.8	5659.7	3514352	10.000
Normeperidine	3.713	899705	1561.6	98.5	51747	10.000
Noroxycodone	2.940	697628	∞	440.2	2271299	10.000
Nortriptyline	4.634	679400	2579.3	583.7	2353221	10.000
O-desmethyl-tramadol	2.944	1759973	3850.4	98.7	2385517	10.000
O-Desmethylvenlafaxine	3.325	529850	217.4	∞	2385517	10.000
Olanzapine	3.183	251738	30100.9	305.2	2353221	10.000
Oxazepam	4.739	359005	∞	145.5	2217363	10.000
Oxycodone	2.923	722302	42.1	53485.4	3514352	10.000
Oxymorphone	2.257	488692	191.2	409.7	51747	10.000
Paroxetine	4.548	149715	∞	∞	2353221	10.000
Phenazepam	4.854	662613	86080.2	264808.1	3569829	10.000



AM #25 Multi-Drug Screen. Results

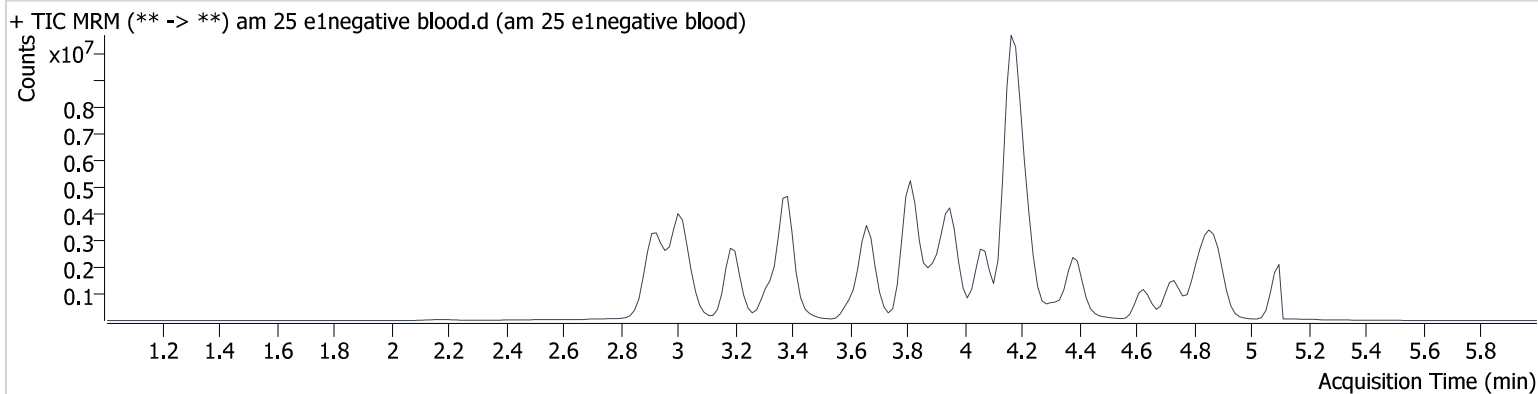
Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
Phencyclidine	4.020	1217444	497.4	204.6	2385517	10.000
Phentermine	3.225	415515	∞	35.3	4872123	10.000
Phenytoin	4.281	52789	152.8	4.1 Low	22298	10.000
primidone	3.545	497188	701.8	47.7	8111322	10.000
Promethazine	4.508	1588050	373917.7	273.7	2309149	10.000
Pseudoephedrine	2.736	21248669	681.4	613.8	4872123	10.000
Quetiapine	4.423	1335834	2896.9	282876.7	2353221	10.000
Risperidone	4.130	1507142	1811.0	185.2	17729976	10.000
Sertraline	4.813	488487	258074.2	1061.0	2353221	10.000
Sufentanil	4.346	73095	9681.0	188.7	5360029	10.000
Tapentadol	3.530	1366127	551.2	823.8	3514352	10.000
Temazepam	4.890	702231	475.8	54.2	3569829	10.000
Topiramate	3.949	58830	44178.4	18277.9	24706	10.000
Tramadol	3.511	3833824	∞	40.2	514431	10.000
Trazodone	4.224	1093699	411932.7	2540.2	4741023	10.000
Venlafaxine	3.924	1877647	1297.1	94.1	2385517	10.000
Xylazine	3.422	93244	∞	6931.9	2385517	10.000
Zaleplon	4.538	126580	49011.0	20572.8	2217363	10.000
Zolpidem	3.829	1529303	471095.5	1094.2	7010044	10.000
Zopiclone	3.917	248124	537674.8	45753.9	1313177	10.000

AM #25 Multi-Drug Screen. Results

Batch results D:\MassHunter\Data\2024\am 25-26\070824\QuantResults\am 25.batch.bin
Calibration Last Update 7/9/2024 2:21:08 PM

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	7/8/2024 11:58:02 AM		
Sample Info.			

Sample Chromatogram

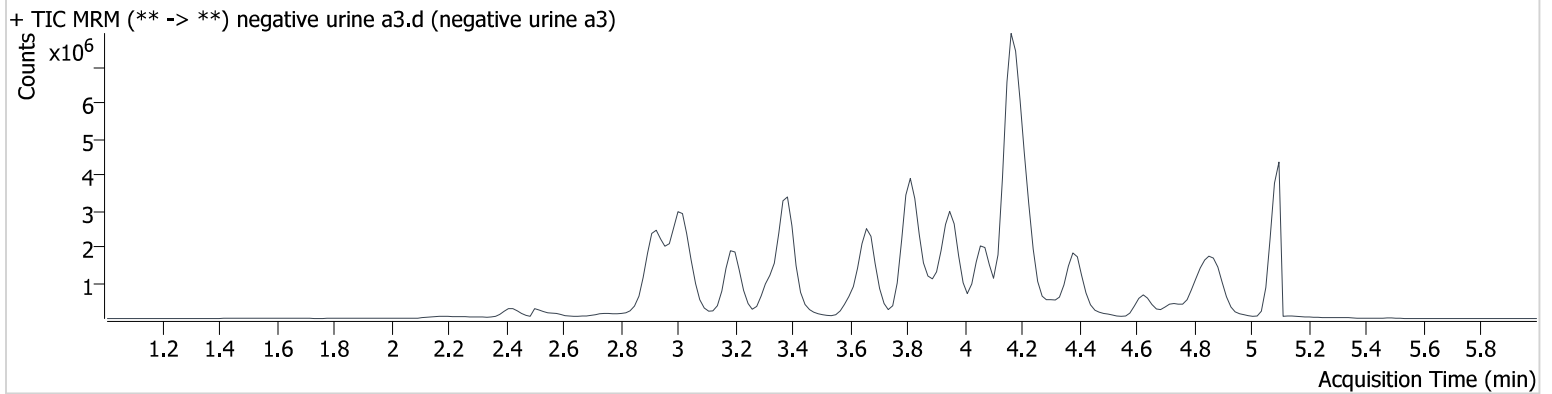


AM #25 Multi-Drug Screen. Results

Batch results D:\MassHunter\Data\2024\am 25-26\070824\QuantResults\am 25.batch.bin
Calibration Last Update 7/9/2024 2:21:08 PM

Instrument	69679	Data File	negative urine a3.d
Type	Sample	Sample	negative urine a3
Acq. Method	mds 4324.m	Operator	Anne Nord
Sample Position	P2-A3	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	7/8/2024 1:18:48 PM		
Sample Info.			

Sample Chromatogram



AM #25 Multi-Drug Screen. Results

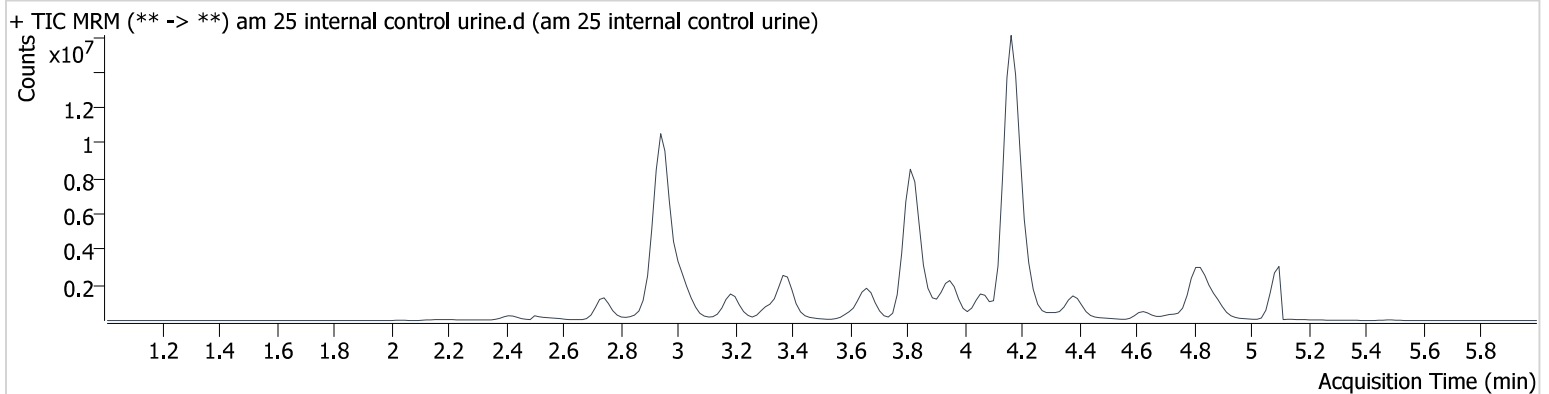
Batch results D:\MassHunter\Data\2024\am 25-26\070824\QuantResults\am 25.batch.bin
Calibration Last Update 7/9/2024 2:21:08 PM

Instrument 69679
Type Sample
Acq. Method mds 4324.m
Sample Position P2-D1
Injection Volume 2.5
Acq. Date-Time 7/8/2024 11:51:17 AM
Sample Info.

Data File am 25 internal control urine.d
Sample am 25 internal control urine
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.
Alprazolam	4.813	4963159	472.9	1057.7	3356016	101.087
Amphetamine	2.951	10363711	13564.5	19687.6	2496364	101.822
Codeine	2.742	1445075	4724.2	13925.7	2544028	113.793
Diphenhydramine	4.173	32906934	∞	1811.0	18031794	128.479
Zolpidem	3.814	18796452	4789699.0	8424.5	7634852	112.850



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

Extraction Date: 07/08/2024

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 75401 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, R² 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:

C2024-1188-3 was re-injected due to suspected contamination. This sample will be re-extracted and run with another batch.

	1	2	3	4	5	6
a	cal 1	Internal control urine	1232-1	1188-3		
b	cal 2	negative blood	1233-1	1197-1		
c	cal 3	1093-1	1242-1			
d	cal 4	1110-1	1244-2			
e	cal 5	1114-2	1250-2			
f	cal 6	1131-2	negative urine			
g	cal 7	1141-2	1120-1			
h	Internal control (blood)	1189-1	1181-1			

Plate position 3

c2024-____-__

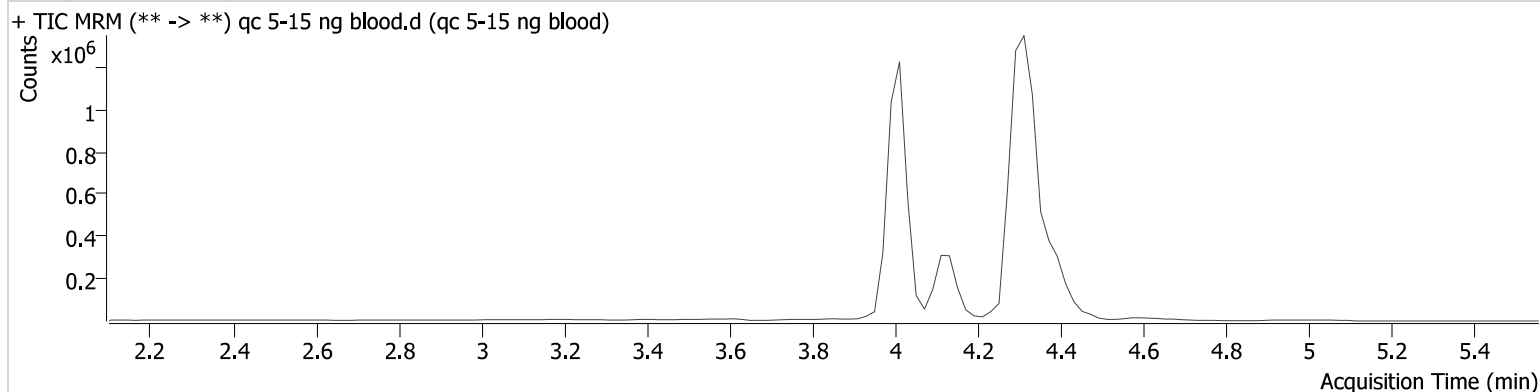


AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2024\am 25-26\070824\QuantResults\am 26.batch.bin
Calibration Last Update 7/8/2024 5:47:08 PM

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	7/8/2024 3:12:23 PM		
Sample Info.			

Sample Chromatogram



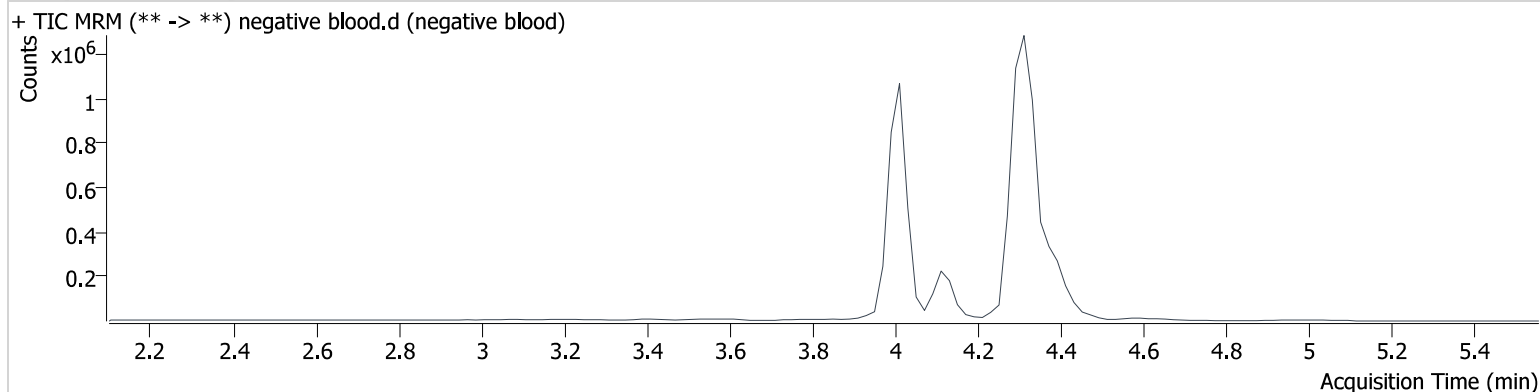
Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	4.385	17648	420761	5.045 ng/ml
THC-COOH	4.133	137681	737100	14.798 ng/ml
THC-OH	4.019	29478	3640952	4.816 ng/ml

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2024\am 25-26\070824\QuantResults\am 26.batch.bin
Calibration Last Update 7/8/2024 5:47:08 PM

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	7/8/2024 3:25:18 PM		
Sample Info.			

Sample Chromatogram



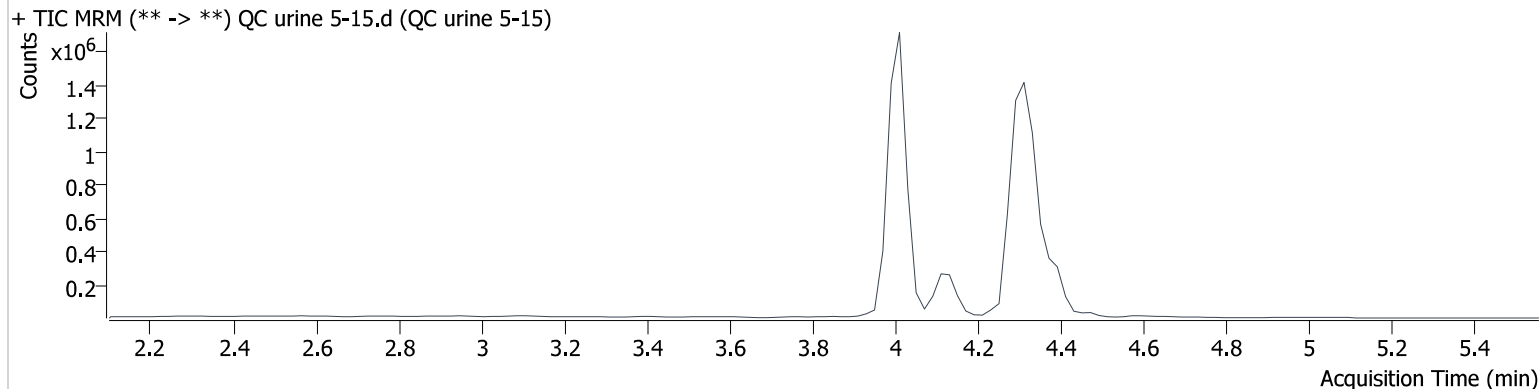


AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2024\am 25-26\070824\QuantResults\am 26.batch.bin
Calibration Last Update 7/8/2024 5:47:08 PM

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	
Injection Volume	5		
Acq. Date-Time	7/8/2024 3:18:50 PM		
Sample Info.			

Sample Chromatogram



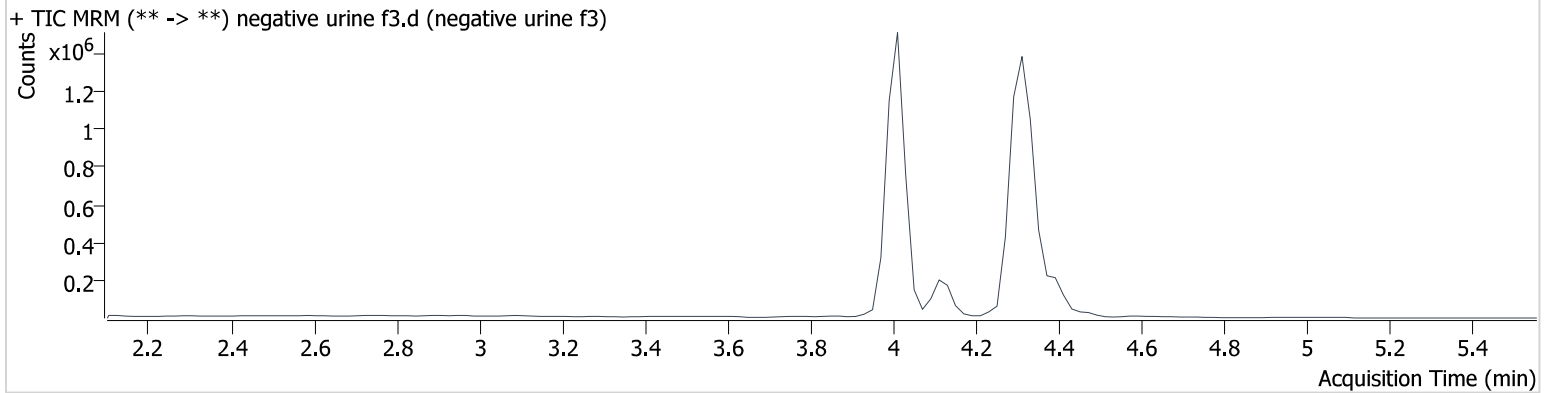
Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	4.405	19393	467894	4.986 ng/ml
THC-COOH	4.133	118821	637284	14.771 ng/ml
THC-OH	4.019	41872	5010617	4.968 ng/ml

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2024\am 25-26\070824\QuantResults\am 26.batch.bin
Calibration Last Update 7/8/2024 5:47:08 PM

Instrument	69679	Data File	negative urine f3.d
Type	Sample	Sample	negative urine f3
Acq. Method	am 26 cann scr 5-5-20.m	Operator	Anne Nord
Sample Position	P3-F3	Comment	
Injection Volume	5		
Acq. Date-Time	7/8/2024 4:42:52 PM		
Sample Info.			

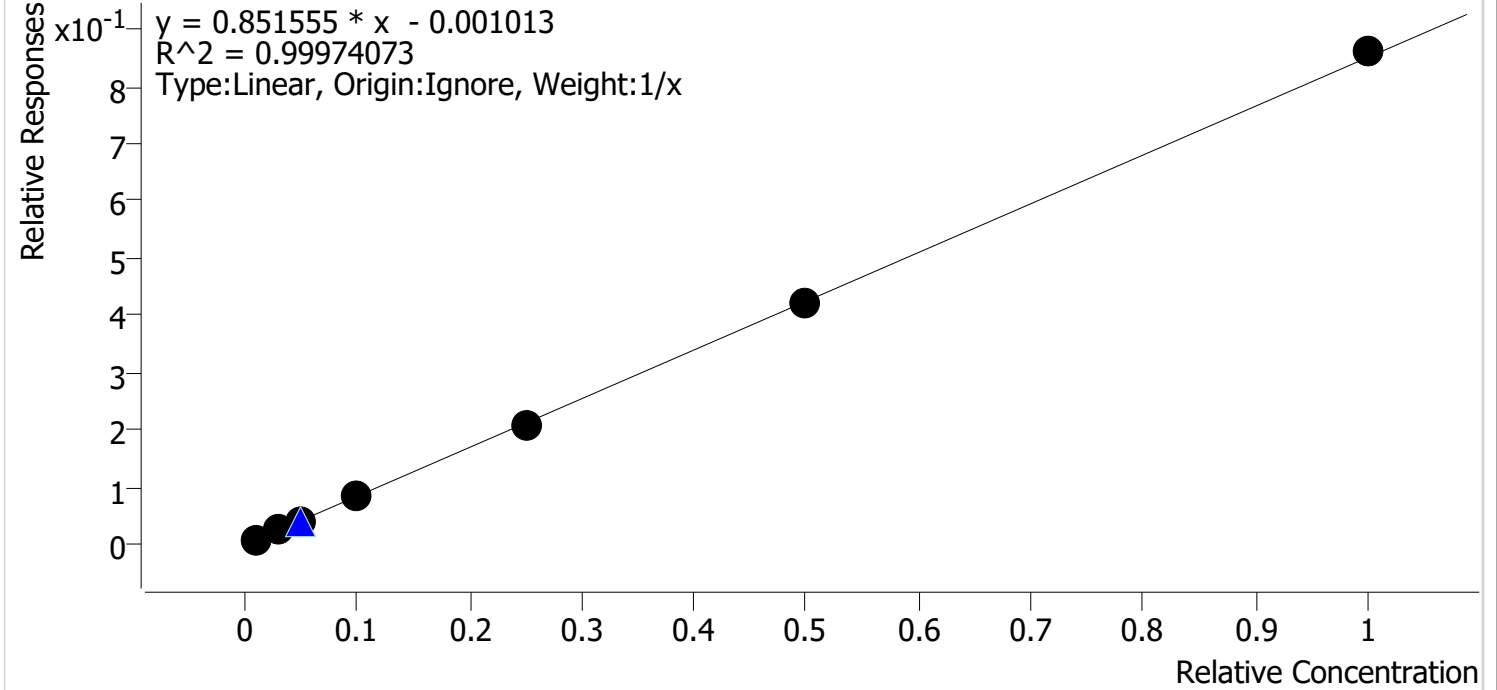
Sample Chromatogram



Compound Calibration Report

Batch results D:\MassHunter\Data\2024\lam 25-26\070824\QuantResults\lam 26.batch.bin
Last Cal. Update 7/8/2024 5:47 PM
Analyst Name ISP\datastor
Analyte THC **Internal Standard** THC-d3

THC - 7 Levels, 7 Levels Used, 7 Points, 7 Points Used, 2 QCs

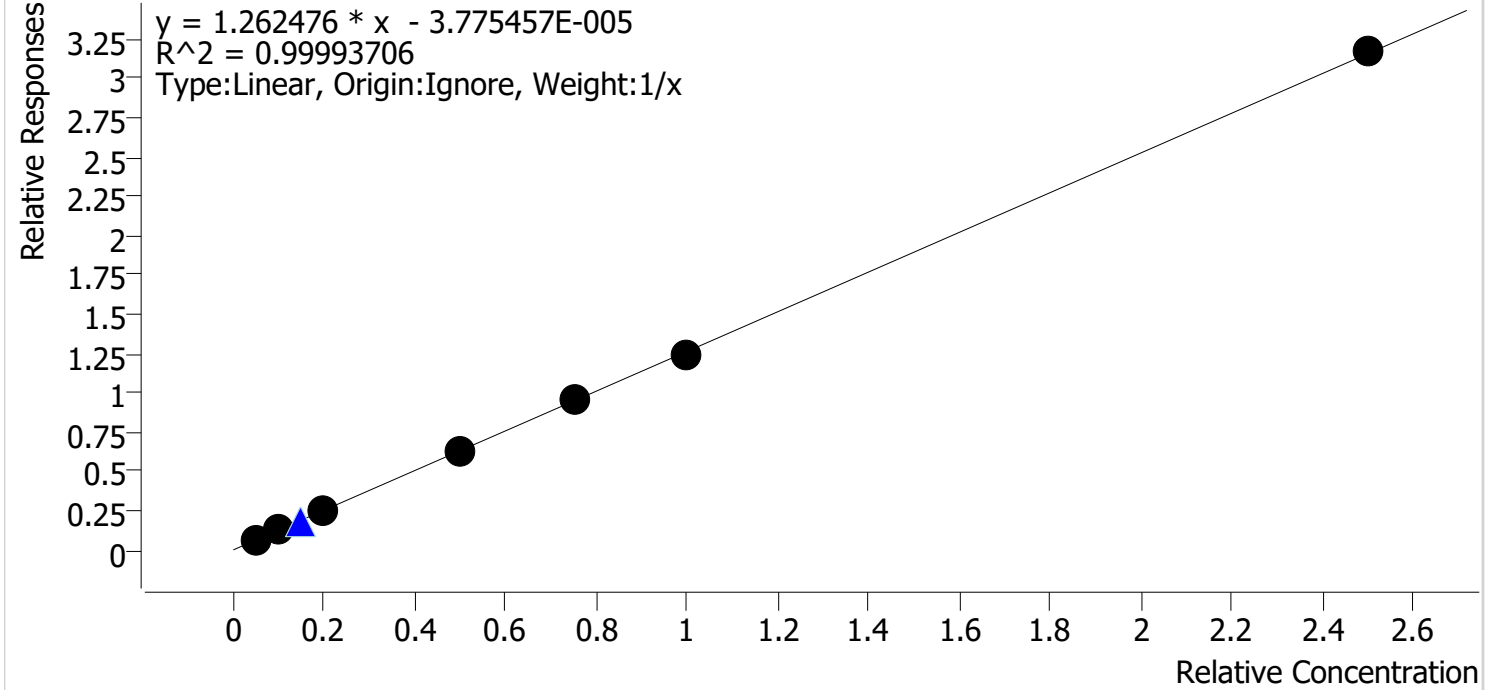


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1	1	✓	1.0	1.1	108.3
cal 2	2	✓	3.0	2.9	98.0
cal 3	3	✓	5.0	4.9	97.9
cal 4	4	✓	10.0	9.7	97.3
cal 5	5	✓	25.0	24.5	98.1
cal-6	6	✓	50.0	49.7	99.4
cal-7	7	✓	100.0	101.2	101.2

Compound Calibration Report

Batch results D:\MassHunter\Data\2024\lam 25-26\070824\QuantResults\lam 26.batch.bin
Last Cal. Update 7/8/2024 5:47 PM
Analyst Name ISP\datastor
Analyte THC-COOH **Internal Standard** THC-COOH-d9

THC-COOH - 7 Levels, 7 Levels Used, 7 Points, 7 Points Used, 2 QCs



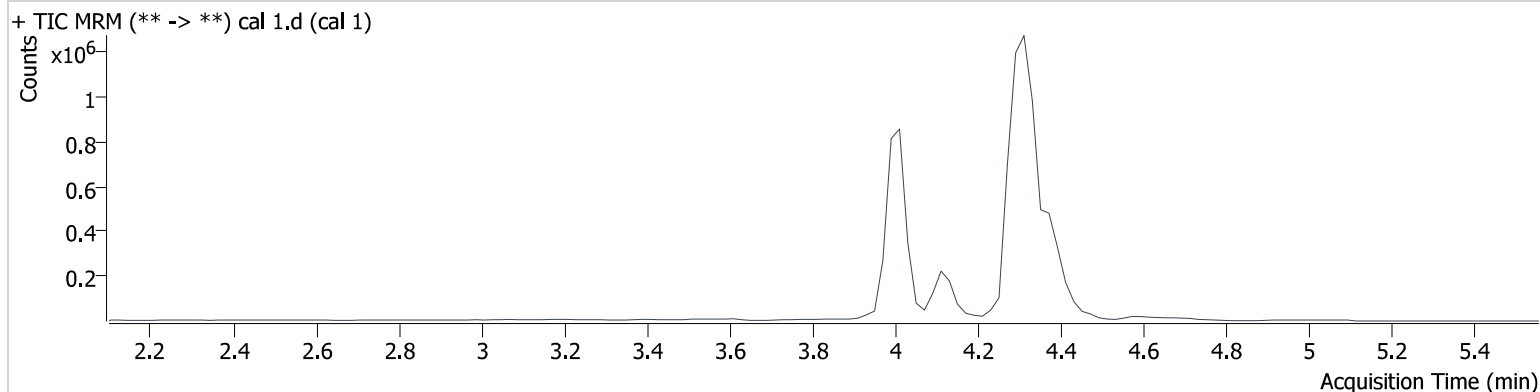
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1	1	✓	5.0	5.1	102.6
cal 2	2	✓	10.0	9.8	98.3
cal 3	3	✓	20.0	20.0	99.8
cal 4	4	✓	50.0	49.7	99.5
cal 5	5	✓	75.0	75.4	100.5
cal-6	6	✓	100.0	99.0	99.0
cal-7	7	✓	250.0	251.0	100.4

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2024\am 25-26\070824\QuantResults\am 26.batch.bin
Calibration Last Update 7/8/2024 5:47:08 PM

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	7/8/2024 2:26:59 PM		
Sample Info.			

Sample Chromatogram



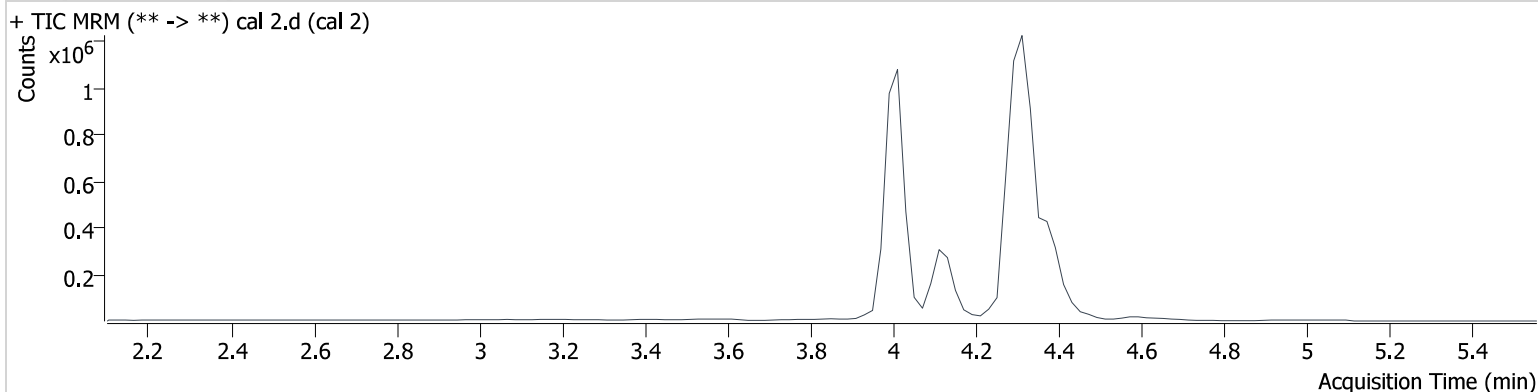
Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	4.385	5019	611513	1.083 ng/ml Low
THC-COOH	4.133	37695	582594	5.128 ng/ml Low
THC-OH	4.019	4416	2776009	1.034 ng/ml Low

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2024\am 25-26\070824\QuantResults\am 26.batch.bin
Calibration Last Update 7/8/2024 5:47:08 PM

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	7/8/2024 2:33:36 PM		
Sample Info.			

Sample Chromatogram



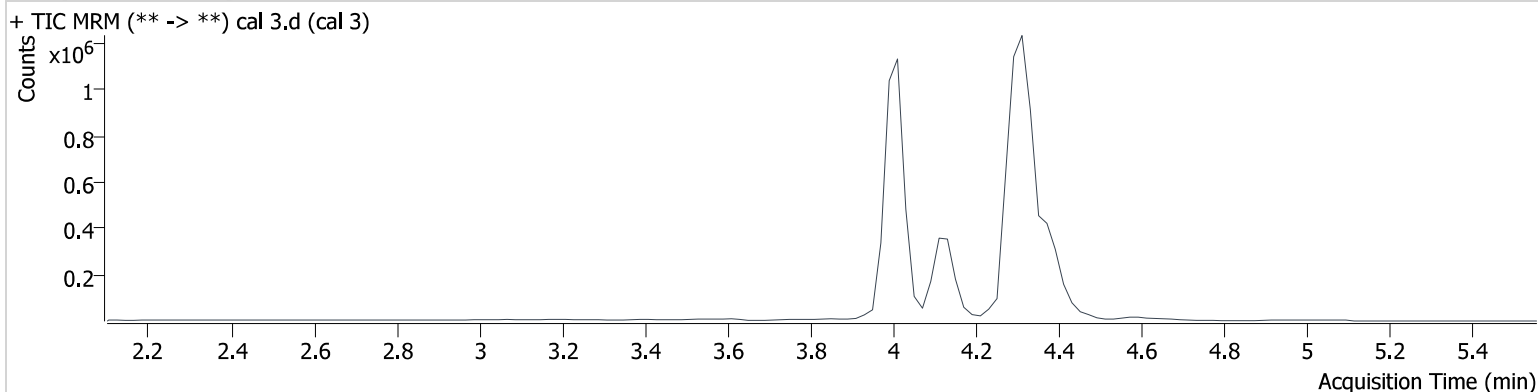
Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	4.385	14956	622699	2.939 ng/ml Low
THC-COOH	4.133	94937	765353	9.828 ng/ml Low
THC-OH	4.019	16733	3359808	3.005 ng/ml

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2024\am 25-26\070824\QuantResults\am 26.batch.bin
Calibration Last Update 7/8/2024 5:47:08 PM

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	7/8/2024 2:40:04 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	4.385	24587	604571	4.895 ng/ml
THC-COOH	4.133	191389	759685	19.958 ng/ml
THC-OH	4.019	27818	3427230	4.828 ng/ml

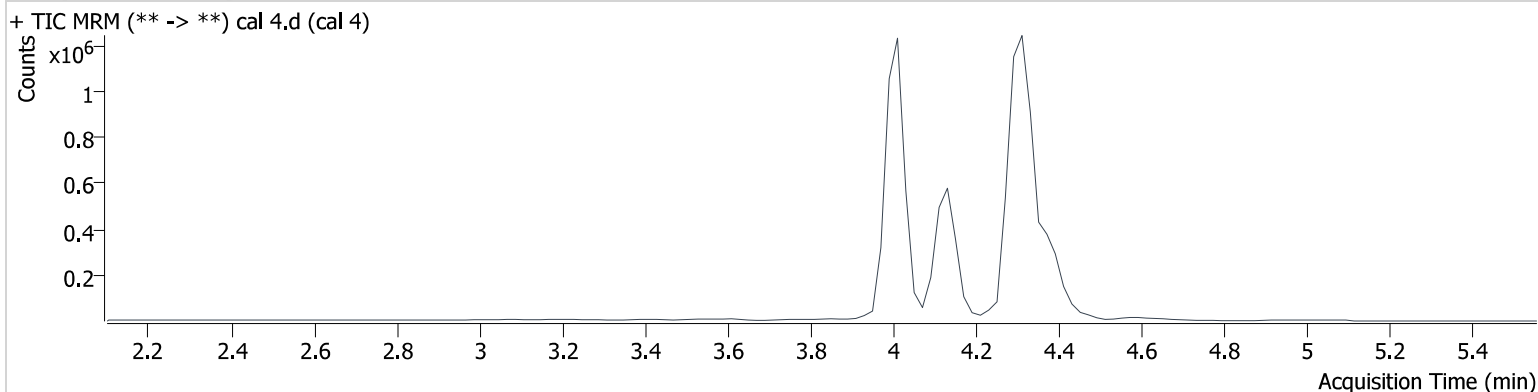


AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2024\am 25-26\070824\QuantResults\am 26.batch.bin
Calibration Last Update 7/8/2024 5:47:08 PM

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	7/8/2024 2:46:32 PM		
Sample Info.			

Sample Chromatogram



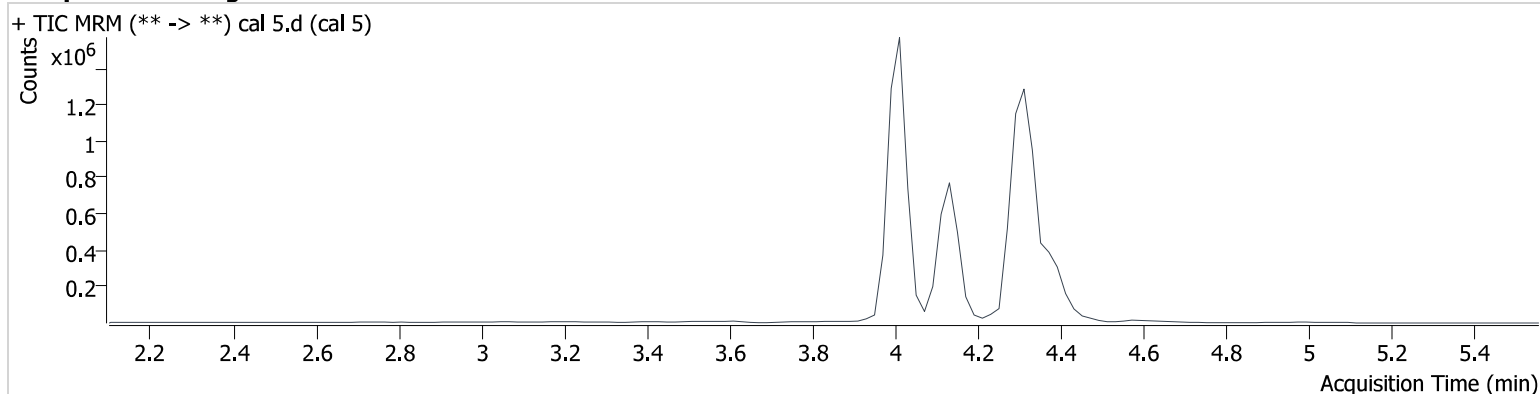
Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	4.385	42783	522933	9.726 ng/ml
THC-COOH	4.133	472657	752910	49.729 ng/ml
THC-OH	4.019	57882	3404327	9.995 ng/ml

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2024\am 25-26\070824\QuantResults\am 26.batch.bin
Calibration Last Update 7/8/2024 5:47:08 PM

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	7/8/2024 2:53:00 PM		
Sample Info.			

Sample Chromatogram



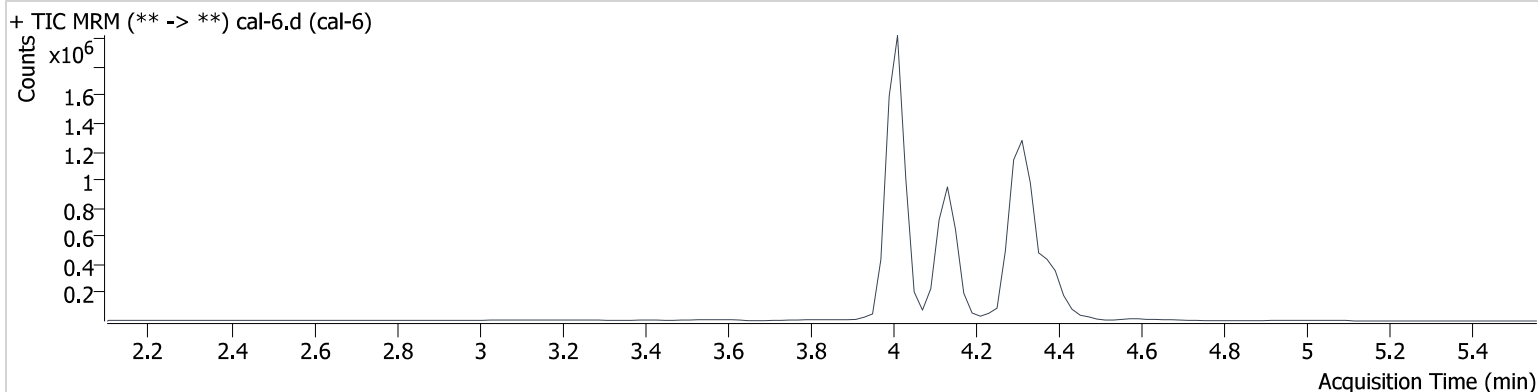
Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	4.385	99854	480647	24.515 ng/ml
THC-COOH	4.133	702139	737563	75.408 ng/ml
THC-OH	4.019	149891	3524825	24.834 ng/ml

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2024\am 25-26\070824\QuantResults\am 26.batch.bin
Calibration Last Update 7/8/2024 5:47:08 PM

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	7/8/2024 2:59:27 PM		
Sample Info.			

Sample Chromatogram



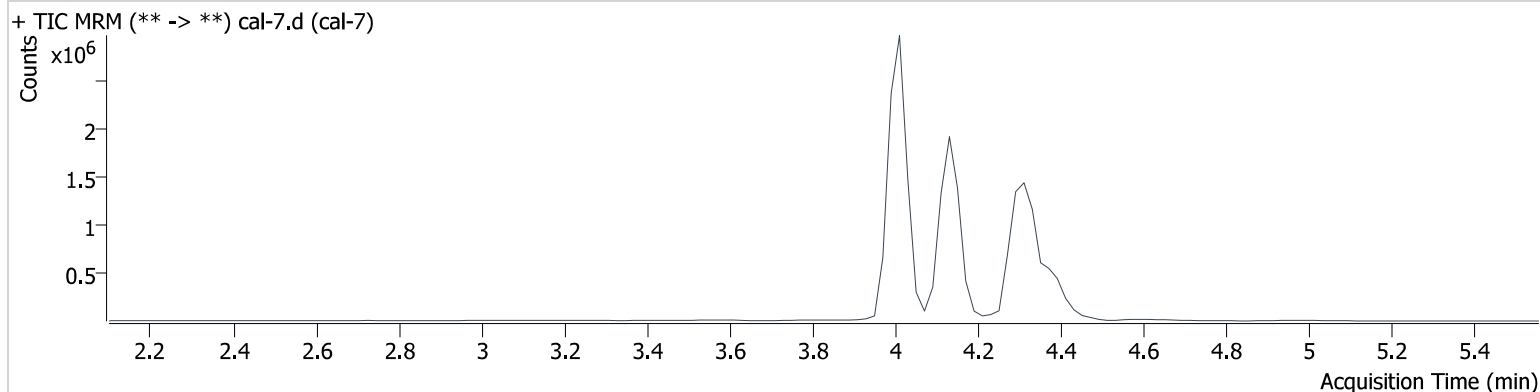
Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	4.385	204132	483727	49.675 ng/ml
THC-COOH	4.133	939225	751692	98.974 ng/ml
THC-OH	4.019	302143	3501418	50.282 ng/ml

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2024\am 25-26\070824\QuantResults\am 26.batch.bin
Calibration Last Update 7/8/2024 5:47:08 PM

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	7/8/2024 3:05:55 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	4.385	351063	407991	101.166 ng/ml
THC-COOH	4.133	2199738	694260	250.975 ng/ml
THC-OH	4.019	609669	3547910	100.022 ng/ml