




















**Worklist: 6606**

<u>LAB_CASE</u>	<u>ITEM</u>	<u>ITEM_TYPE</u>	<u>DESCRIPTION</u>	
C2023-2607	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
C2023-2663	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
C2023-2664	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
C2023-2669	2	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
C2023-2682	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
C2023-2687	2	UCK	AM 25/AM 26 Urine MultiDrug/THC Screen by LC-QQQ	
C2023-2693	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
C2023-2696	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
C2023-2696	2	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
C2023-2696	3	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
C2023-2701	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
C2023-2706	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
C2023-2720	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
C2023-2759	4	UCK	AM 25/AM 26 Urine MultiDrug/THC Screen by LC-QQQ	
C2023-2760	3	UCK	AM 25/AM 26 Urine MultiDrug/THC Screen by LC-QQQ	
C2023-2767	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
C2023-2775	1	AVK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	

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

Extraction Date: 12/13/23

Analyst: Anne Nord

Plate lot#: 230712

Plate retest date: 1/12/2024

**Mobile phase A:** 10mM Ammonium Formate  
0.5M Ammonium Hydroxide

**Mobile phase B:** 0.1% Formic Acid in MeOH  
Ethyl Acetate LC 20% Methanol

**Blank Blood Lot:** 23J52629 **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						2663-1	2701-1					
B						2664-1	2706-1					
C						2669-2	2720-1			2687-2		
D						2682-1	2767-1			2759-4		
E						2693-1	2775-1			2760-3		internal urine control
F						2696-1						internal urine control
G						2696-2	negative urine					cal 1
H					2607-1	2696-3	negative blood					cal 1

C2023-\_\_\_\_-

plate position 2

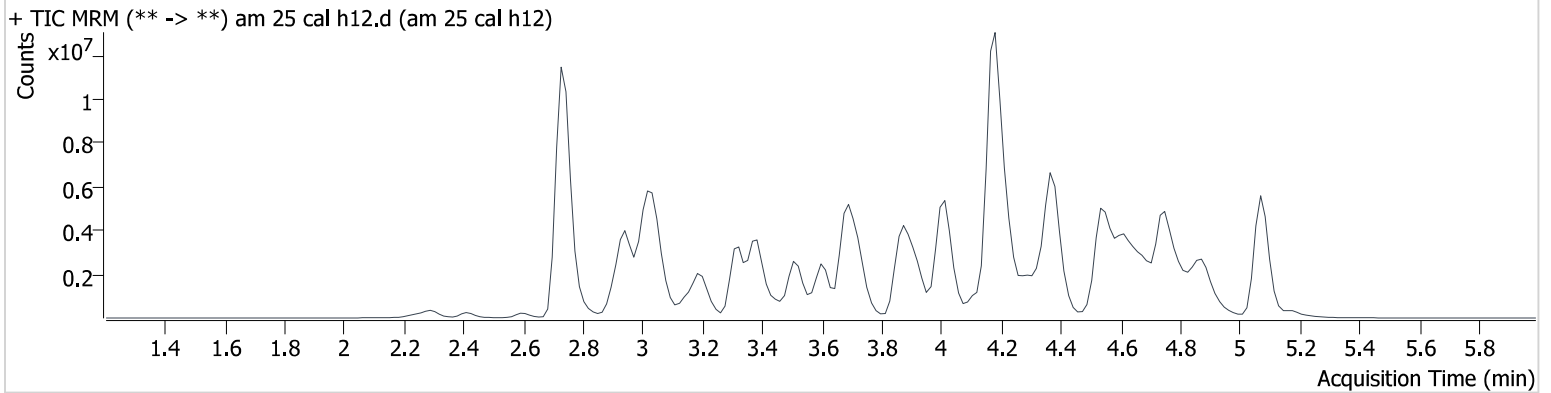
# AM #25 Multi-Drug Screen Results

**Batch results** D:\MassHunter\Data\2023\am 25-26\121323\QuantResults\am25.batch.bin  
**Calibration Last Update** 12/13/2023 3:20:34 PM

**Instrument** 69679  
**Type** Cal  
**Acq. Method** mds713.m  
**Sample Position** P2-H12  
**Injection Volume** 2.5  
**Acq. Date-Time** 12/13/2023 12:35:30 PM  
**Sample Info.**

**Data File** am 25 cal h12.d  
**Sample** am 25 cal h12  
**Operator** Anne Nord  
**Comment**

## Sample Chromatogram



Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
10-OH-Carbamazepine	3.867	462137	1504.8	37.7	589153	10.000
6-MAM	2.924	21260	8239.4	7224.0	804033	10.000
7-aminoclonazepam	3.633	64201	158.1	778.8	536672	10.000
7-aminoflunitrazepam	3.848	261154	996.3	238.5	536672	10.000
9-Hydroxyrisperidone	4.009	2209901	32409.0	25007.2	536672	10.000
Acetyl Fentanyl	3.922	165045	817.4	40928.6	3458538	10.000
Acetyl Norfentanyl	2.902	110747	248.9	297.6	9101705	10.000
a-hydroxyalprazolam	4.705	62567	∞	∞	589153	10.000
alpha-hydroxymidazolam	4.765	561052	20856.8	539.7	3349557	10.000
alpha-PHP	3.898	1385739	16383.5	2671.1	3151462	10.000
alpha-PVP	3.607	1546540	4848.3	245.0	3151462	10.000
Alprazolam	4.784	953019	740.1	293.1	3349557	10.000
Amitriptyline	4.650	785609	292.4	295.1	2904528	10.000
Amphetamine	2.953	996609	410.1	3844.6	3151462	10.000
Benzoyllecgonine	3.463	21892	7009.6	∞	106098	10.000
Bromazolam	4.871	313180	1454.5	4880.1	3349557	10.000
Brompheniramine	4.231	66651	24.5	9375.9	5036154	10.000
Buprenorphine	4.639	2966	2762.8	148.2	1063019	10.000
Bupropion	3.883	1699910	362.1	453.6	7072797	10.000
Carbamazepine	4.361	3167948	7927.3	2328.4	2555622	10.000
Carisoprodol	4.313	443691	284.5	237.7	2289806	10.000
Chlordiazepoxide	4.969	226453	920.2	292.7	3349557	10.000
Chlorpheniramine	4.110	2892209	∞	6624.8	5036154	10.000
Chlorpromazine	4.890	560503	1457.2	41767.2	2280947	10.000
Citalopram	4.275	1392850	469.5	100603.1	29869767	10.000
Clomipramine	4.890	676851	865.3	421.6	1014840	10.000
Clonazepam	4.645	137873	34028.7	10837.6	33186	10.000
Clonazolam	4.519	274199	303.4	38004.8	589153	10.000
clozapine	4.535	1684503	604850.6	463873.4	7695247	10.000
Cocaehtylene	3.907	1616128	820069.9	454435.4	10297165	10.000
Cocaine	3.693	2110941	811532.7	1079.1	10297165	10.000
Codeine	2.805	162941	1245.3	1811.2	2555622	10.000
Cyclobenzaprine	4.573	1341913	343.6	140.6	2904528	10.000
Desipramine	4.605	1820639	456756.0	1771.5	2904528	10.000

# AM #25 Multi-Drug Screen Results

Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
Dextromethorphan	4.235	913630	8547.4	249478.3	5036154	10.000
Dextrorphan	3.450	1161522	9459.3	158182.0	3151462	10.000
Diazepam	5.062	543157	1906.3	3665.1	3349557	10.000
Dihydrocodeine	2.727	426030	1368.7	2076.9	2555622	10.000
Dimethyltryptamine	3.026	814410	673.6	932.3	3151462	10.000
Diphenhydramine	4.190	4852187	760.6	1800.6	29869767	10.000
Doxepin	4.357	848808	2325.6	195.4	7695247	10.000
Doxylamine	3.726	3645073	1623.5	4381.6	3151462	10.000
Duloxetine	4.555	25191	5354.1	1682.5	1014840	10.000
EDDP	4.234	244133	5812.1	465.7	1162385	10.000
Estazolam	4.710	1433051	665.2	2050.6	3349557	10.000
Etizolam	4.765	69828	24064.5	1081.0	3349557	10.000
Fentanyl	4.167	123962	147.9	64303.5	7682475	10.000
Flualprazolam	4.613	320710	115729.0	158732.4	3349557	10.000
Flunitrazepam	4.753	631062	1020.3	1810.0	589153	10.000
Fluorofentanyl	4.211	102131	23449.9	507.0	7682475	10.000
Fluoxetine	4.523	911453	909655.2	13350.1	1014840	10.000
Flurazepam	4.318	1422133	1478608.4	152522.1	1063019	10.000
Hydrocodone	3.034	416346	564.8	202.7	2555622	10.000
Hydromorphone	2.413	410099	890.9	1288.9	100688	10.000
hydroxyzine	4.733	2111845	562413.7	41851.2	7695247	10.000
Imipramine	4.619	2521657	730.3	464.5	2904528	10.000
Ketamine	3.591	1031495	427250.9	161.9	3961097	10.000
Lamotrigine	3.697	84644	358.0	408.7	3151462	10.000
Levamisole	2.964	673948	46758.1	279.3	10297165	10.000
Levetiracetam	2.601	221564	145.0	998.5	536672	10.000
Lorazepam	4.614	19221	63.6	56.6	589153	10.000
Maprotiline	4.650	605463	142344.1	356.9	2904528	10.000
MDA	3.087	1092216	504.9	491.8	9767161	10.000
MDEA	3.317	1873763	6034.1	1430.0	9767161	10.000
MDMA	3.163	1664208	839.8	682.3	9767161	10.000
Meperidine	3.698	952762	877.2	1575.3	100688	10.000
Meprobamate	3.731	172987	2050.3	52.3	2289806	10.000
Methadone	4.584	3210199	1551.6	5502.8	3458538	10.000
Methamphetamine	3.043	1812609	∞	67892.6	9767161	10.000
Methocarbamol	3.683	96929	259.8	984.1	2289806	10.000
Methylphenidate	3.606	3385996	3896.8	531.1	5426239	10.000
Metoprolol	3.527	405304	4688.0	305351.7	3151462	10.000
Midazolam	4.904	311929	98465.1	64312.7	536672	10.000
Mirtazapine	4.004	1070945	2211.4	1746.9	1063019	10.000
Mitragynine	4.332	183391	68143.5	125497.1	7682475	10.000
Morphine	2.246	126074	284.4	1009.5	100688	10.000
Norbuprenorphine	3.933	25161	12375.3	7730.3	1063019	10.000
Nordiazepam	4.911	176291	229192.6	55.7	3349557	10.000
Norfentanyl	3.407	1829660	599.5	189.6	9101705	10.000
Norhydrocodone	2.974	68057	554.0	14594.8	2555622	10.000
norketamine	3.684	93861	64.8	5455.0	3961097	10.000
Normeperidine	3.714	1189168	640.8	432.4	100688	10.000
Noroxycodone	2.942	415640	100.6	370.3	2555622	10.000
Nortriptyline	4.652	611130	109196.0	188.8	1014840	10.000
O-desmethyl-tramadol	2.946	2554186	546.3	156.3	3458538	10.000
O-Desmethylvenlafaxine	3.327	776395	760.5	∞	3458538	10.000
Olanzapine	3.908	274670	461.2	177.8	1014840	10.000
Oxazepam	4.710	93227	340.7	33.0	589153	10.000
Oxycodone	2.955	835957	309.2	68353.8	3961097	10.000
Oxymorphone	2.288	550300	202.6	148.2	100688	10.000
Paroxetine	4.566	108060	146.8	3987.6	1014840	10.000
Phenazepam	4.826	306917	15783.0	75160.7	3349557	10.000
Phencyclidine	4.037	2187214	3845.7	364.5	3458538	10.000
Phentermine	3.227	482027	410.9	∞	5426239	10.000



# AM #25 Multi-Drug Screen Results

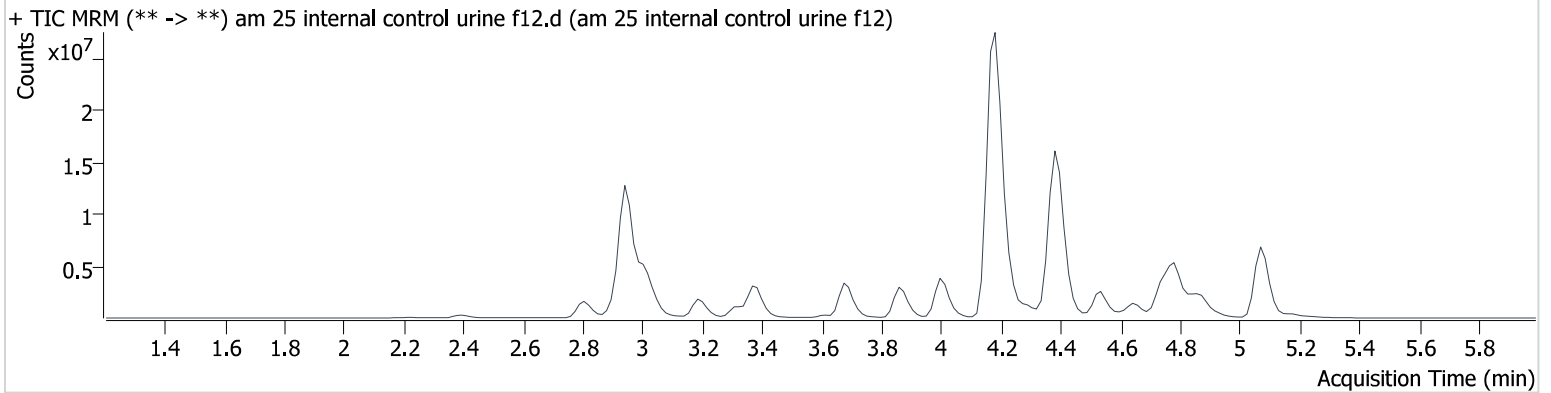
Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
Phenytoin	4.252	84151	299.9	96.5	33186	10.000
primidone	3.531	77767	200.8	25.9	33186	10.000
Promethazine	4.556	2312184	14178.0	907.5	2904528	10.000
Pseudoephedrine	2.738	34152647	2072.3	46882.4	5426239	10.000
Quetiapine	4.671	2483048	612917.7	659631.0	5036154	10.000
Risperidone	4.209	2291856	27779.9	60022.4	5036154	10.000
Sertraline	4.846	210700	204225.8	197.6	1014840	10.000
Sufentanil	4.533	86693	40490.1	28288.6	7682475	10.000
Tapentadol	3.531	1854592	60261.9	4239.7	3961097	10.000
Temazepam	4.862	727721	750.5	123.0	3349557	10.000
Topiramate	3.920	4793	1533.3	472.9	26280	10.000
Tramadol	3.512	5655219	585.7	70.1	804033	10.000
Trazodone	4.794	2140827	724104.4	407736.2	10247312	10.000
Venlafaxine	3.941	2715223	32668.1	418.7	3458538	10.000
Xylazine	3.423	112589	∞	10440.9	3458538	10.000
Zaleplon	4.509	515798	147332.7	182013.0	589153	10.000
Zolpidem	4.386	3100698	4166.8	527.5	14792438	10.000
Zopiclone	4.348	403385	591.6	4556.1	1867209	10.000

# AM #25 Multi-Drug Screen Results

**Batch results** D:\MassHunter\Data\2023\am 25-26\121323\QuantResults\am25.batch.bin  
**Calibration Last Update** 12/13/2023 3:20:34 PM

<b>Instrument</b>	69679	<b>Data File</b>	am 25 internal control urine f12.d
<b>Type</b>	Sample	<b>Sample</b>	am 25 internal control urine f12
<b>Acq. Method</b>	mds713.m	<b>Operator</b>	Anne Nord
<b>Sample Position</b>	P2-F12	<b>Comment</b>	
<b>Injection Volume</b>	2.5		
<b>Acq. Date-Time</b>	12/13/2023 12:42:23 PM		
<b>Sample Info.</b>			

## Sample Chromatogram



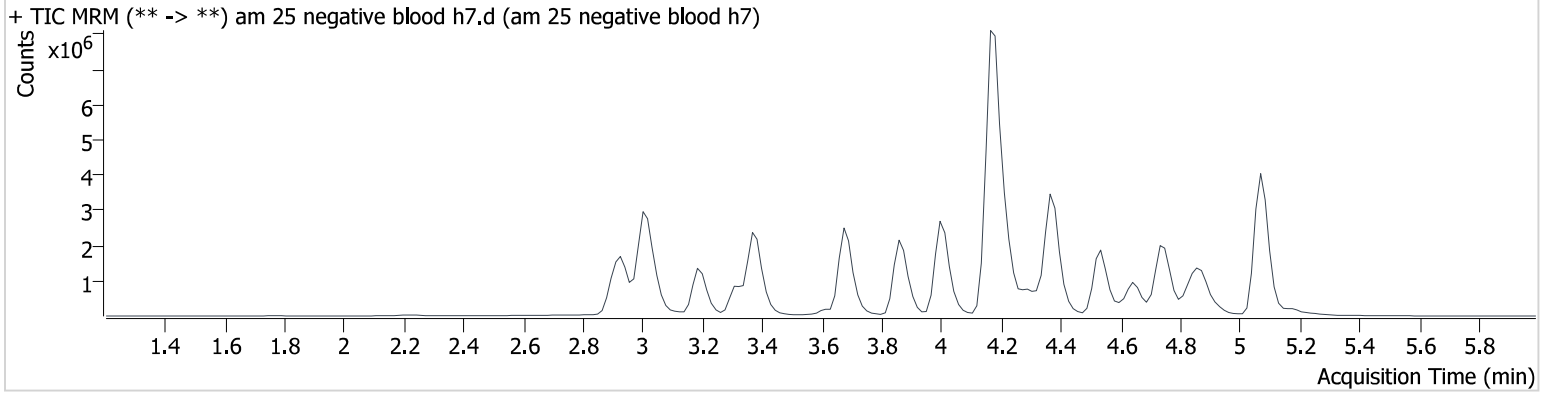
Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
Alprazolam	4.784	7544948	220.3	768.6	3282872	80.777
Amphetamine	2.953	10639756	12937.4	17696.6	3330266	101.028
Codeine	2.805	1769407	6602.4	17658.4	2700504	102.766
Diphenhydramine	4.190	46588015	1927.5	2099.5	28517506	100.567
Zolpidem	4.386	35206789	8237.8	1279.9	14167980	118.549

# AM #25 Multi-Drug Screen Results

**Batch results** D:\MassHunter\Data\2023\am 25-26\121323\QuantResults\am25.batch.bin  
**Calibration Last Update** 12/13/2023 3:20:34 PM

<b>Instrument</b>	69679	<b>Data File</b>	am 25 negative blood h7.d
<b>Type</b>	Sample	<b>Sample</b>	am 25 negative blood h7
<b>Acq. Method</b>	mds713.m	<b>Operator</b>	Anne Nord
<b>Sample Position</b>	P2-H7	<b>Comment</b>	
<b>Injection Volume</b>	2.5		
<b>Acq. Date-Time</b>	12/13/2023 12:49:06 PM		
<b>Sample Info.</b>			

## Sample Chromatogram



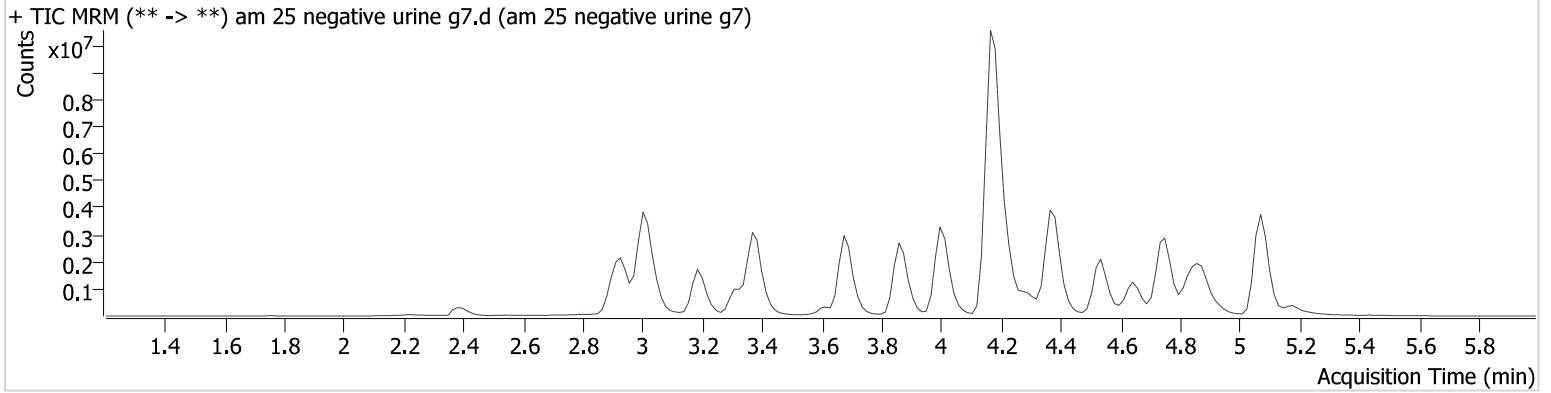


# AM #25 Multi-Drug Screen Results

**Batch results** D:\MassHunter\Data\2023\am 25-26\121323\QuantResults\am25.batch.bin  
**Calibration Last Update** 12/13/2023 3:20:34 PM

<b>Instrument</b>	69679	<b>Data File</b>	am 25 negative urine g7.d
<b>Type</b>	Sample	<b>Sample</b>	am 25 negative urine g7
<b>Acq. Method</b>	mds713.m	<b>Operator</b>	Anne Nord
<b>Sample Position</b>	P2-G7	<b>Comment</b>	
<b>Injection Volume</b>	2.5		
<b>Acq. Date-Time</b>	12/13/2023 2:29:40 PM		
<b>Sample Info.</b>			

## Sample Chromatogram





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

Extraction Date: 12/13/23 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:** 23J52629 **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 **800 µL of blood acid or urine acid** mixture to corresponding wells of SLE+ plate.
- 7. Apply positive pressure for approx. 10-15 seconds (or until no liquid remains on top of sorbent).  
**(Load at 85-100 PSI- Selector to the right)** Manifold ID: 66792
- 8. Wait 5 minutes.
- 9. Add **2.25 mL MTBE** (add in 3 increments of 750 µL).
- 10. Wait 5 minutes.
- 11. Apply positive pressure for approx. 10-15 seconds. **(12-15 PSI- Selector to the left)**.
- 12. Add **2.25 mL hexane** (add in 3 increments of 750 µL).
- 13. Wait 5 minutes.
- 14. Apply positive pressure for approx. 10-15 seconds. **(12-15 PSI- Selector to the left)**.
- 15. Remove plate containing eluate. Place on SPE Dry and evaporate to dryness at approx. 35°C.  
*SPE Dry ID: 66819*
- 16. Reconstitute in **100 µL 100% LCMS MeOH** and heat seal plate with foil. Place in autosampler and run worklist.

### Post-Analytic

- 1. Create batch and process data.
- 2. Calculated sample concentration of 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	2696-2	2687-2		
b	cal 2	negative blood	2696-3	2759-4		
c	cal 3	2607-1	2701-1	2760-3		
d	cal 4	2663-1	2706-1	2664-1		
e	cal 5	2669-2	2720-1			
f	cal 6	2682-1	2767-1			
g	cal 7	2693-1	2775-1			
h	Internal control (blood)	2696-1	negative urine			

Plate position 3

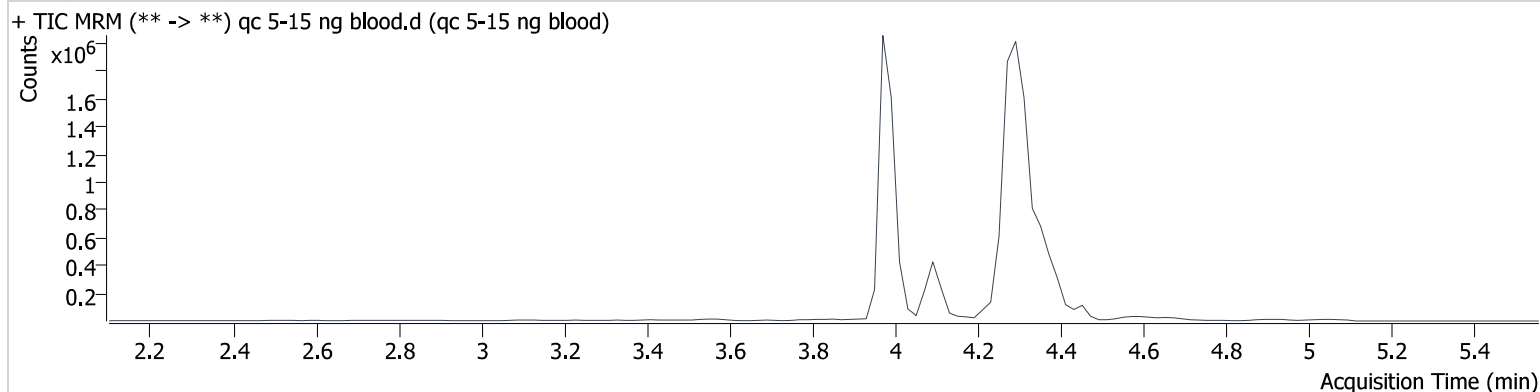
c2023-\_\_\_\_-\_\_

# AM #26 Cannabinoids Screen Results

**Batch results** D:\MassHunter\Data\2023\am 25-26\121323\QuantResults\am26.batch.bin  
**Calibration Last Update** 12/14/2023 11:07:06 AM

<b>Instrument</b>	69679	<b>Data File</b>	qc 5-15 ng blood.d
<b>Type</b>	QC	<b>Sample</b>	qc 5-15 ng blood
<b>Acq. Method</b>	am 26 cann scr 5-5-20.m	<b>Operator</b>	Anne Nord
<b>Sample Position</b>	P3-H1	<b>Comment</b>	
<b>Injection Volume</b>	5		
<b>Acq. Date-Time</b>	12/13/2023 4:29:07 PM		
<b>Sample Info.</b>			

## Sample Chromatogram



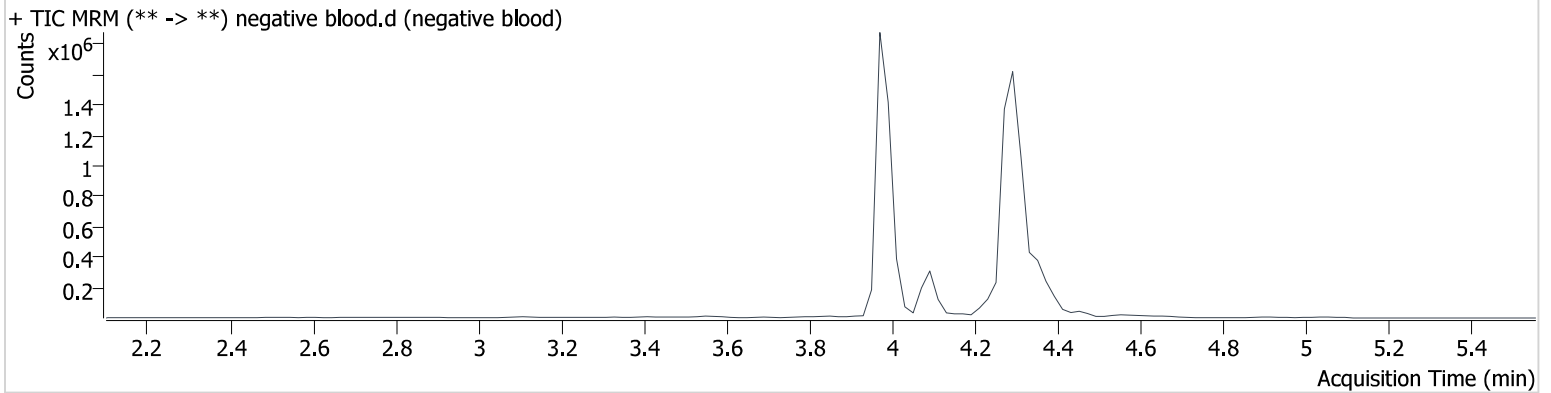
Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	4.365	8220	251369	4.236 ng/ml
THC-COOH	4.093	162301	666408	14.954 ng/ml
THC-OH	3.979	34945	4808764	4.744 ng/ml

# AM #26 Cannabinoids Screen Results

**Batch results** D:\MassHunter\Data\2023\am 25-26\121323\QuantResults\am26.batch.bin  
**Calibration Last Update** 12/14/2023 11:07:06 AM

<b>Instrument</b>	69679	<b>Data File</b>	negative blood.d
<b>Type</b>	Sample	<b>Sample</b>	negative blood
<b>Acq. Method</b>	am 26 cann scr 5-5-20.m	<b>Operator</b>	Anne Nord
<b>Sample Position</b>	P3-B2	<b>Comment</b>	
<b>Injection Volume</b>	5		
<b>Acq. Date-Time</b>	12/13/2023 4:42:05 PM		
<b>Sample Info.</b>			

## Sample Chromatogram

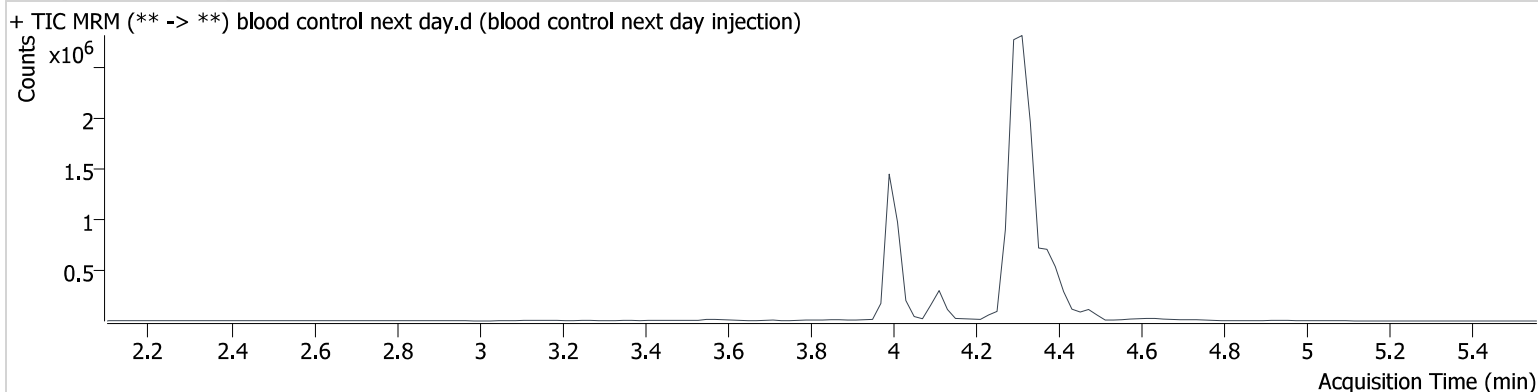


# AM #26 Cannabinoids Screen Results

**Batch results** D:\MassHunter\Data\2023\am 25-26\121323\QuantResults\am26.batch.bin  
**Calibration Last Update** 12/14/2023 11:07:06 AM

<b>Instrument</b>	69679	<b>Data File</b>	blood control next day.d
<b>Type</b>	Sample	<b>Sample</b>	blood control next day injection
<b>Acq. Method</b>	am 26 cann scr 5-5-20.m	<b>Operator</b>	Anne Nord
<b>Sample Position</b>	P3-H1	<b>Comment</b>	
<b>Injection Volume</b>	5		
<b>Acq. Date-Time</b>	12/14/2023 8:51:50 AM		
<b>Sample Info.</b>			

## Sample Chromatogram



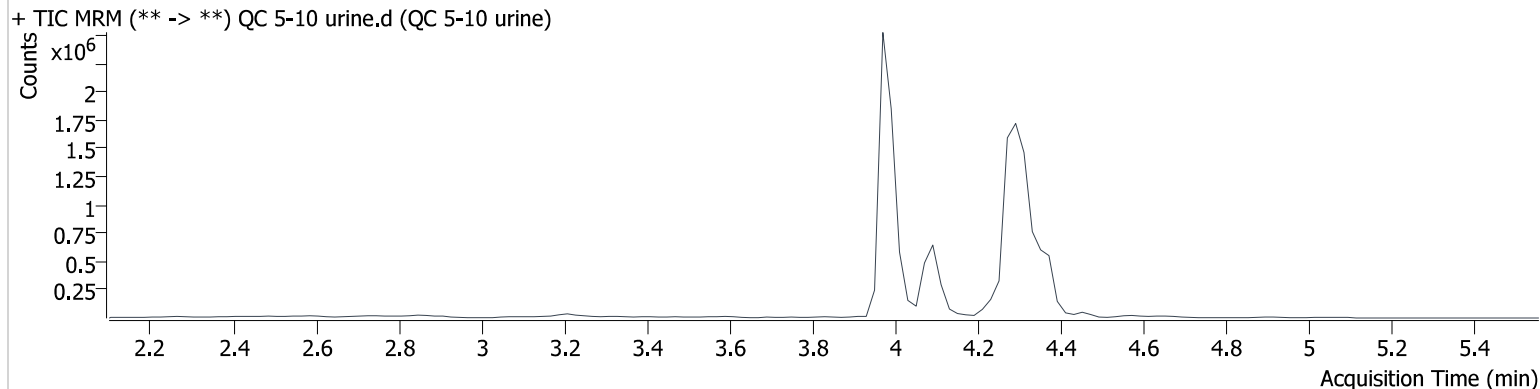
Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	4.405	6886	211712	4.215 ng/ml
THC-COOH	4.113	96776	417679	14.229 ng/ml
THC-OH	3.999	22616	3088719	4.780 ng/ml

# AM #26 Cannabinoids Screen Results

**Batch results** D:\MassHunter\Data\2023\am 25-26\121323\QuantResults\am26.batch.bin  
**Calibration Last Update** 12/14/2023 11:07:06 AM

<b>Instrument</b>	69679	<b>Data File</b>	QC 5-10 urine.d
<b>Type</b>	Sample	<b>Sample</b>	QC 5-10 urine
<b>Acq. Method</b>	am 26 cann scr 5-5-20.m	<b>Operator</b>	Anne Nord
<b>Sample Position</b>	P3-A2	<b>Comment</b>	
<b>Injection Volume</b>	5		
<b>Acq. Date-Time</b>	12/13/2023 4:35:35 PM		
<b>Sample Info.</b>			

## Sample Chromatogram



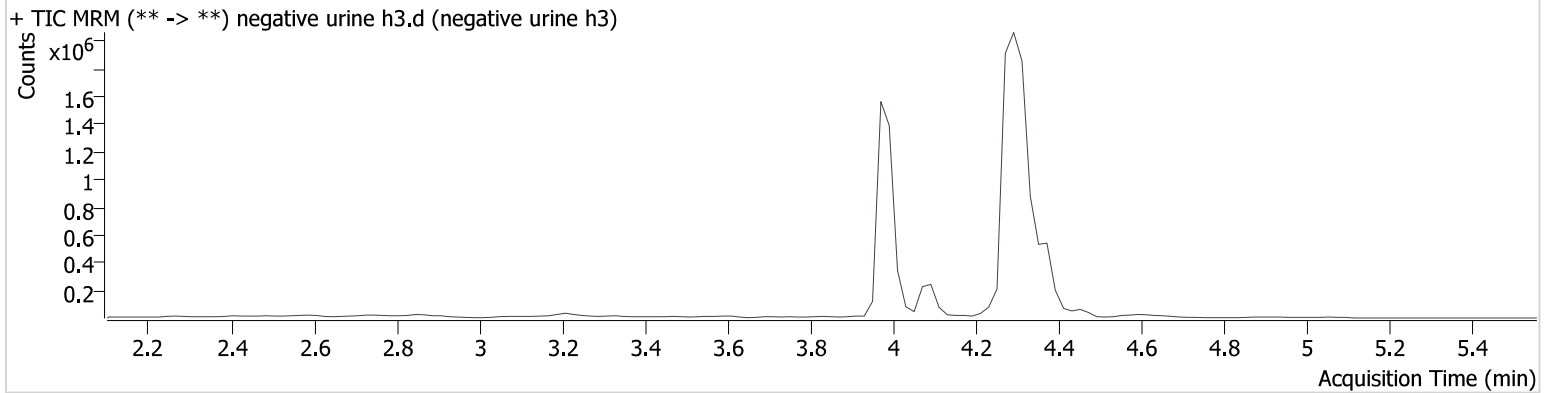
Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	4.385	29903	829537	4.652 ng/ml
THC-COOH	4.093	225966	1177935	11.789 ng/ml
THC-OH	3.979	41187	6034556	4.461 ng/ml

# AM #26 Cannabinoids Screen Results

**Batch results** D:\MassHunter\Data\2023\am 25-26\121323\QuantResults\am26.batch.bin  
**Calibration Last Update** 12/14/2023 11:07:06 AM

<b>Instrument</b>	69679	<b>Data File</b>	negative urine h3.d
<b>Type</b>	Sample	<b>Sample</b>	negative urine h3
<b>Acq. Method</b>	am 26 cann scr 5-5-20.m	<b>Operator</b>	Anne Nord
<b>Sample Position</b>	P3-H3	<b>Comment</b>	
<b>Injection Volume</b>	5		
<b>Acq. Date-Time</b>	12/13/2023 6:13:00 PM		
<b>Sample Info.</b>			

## Sample Chromatogram

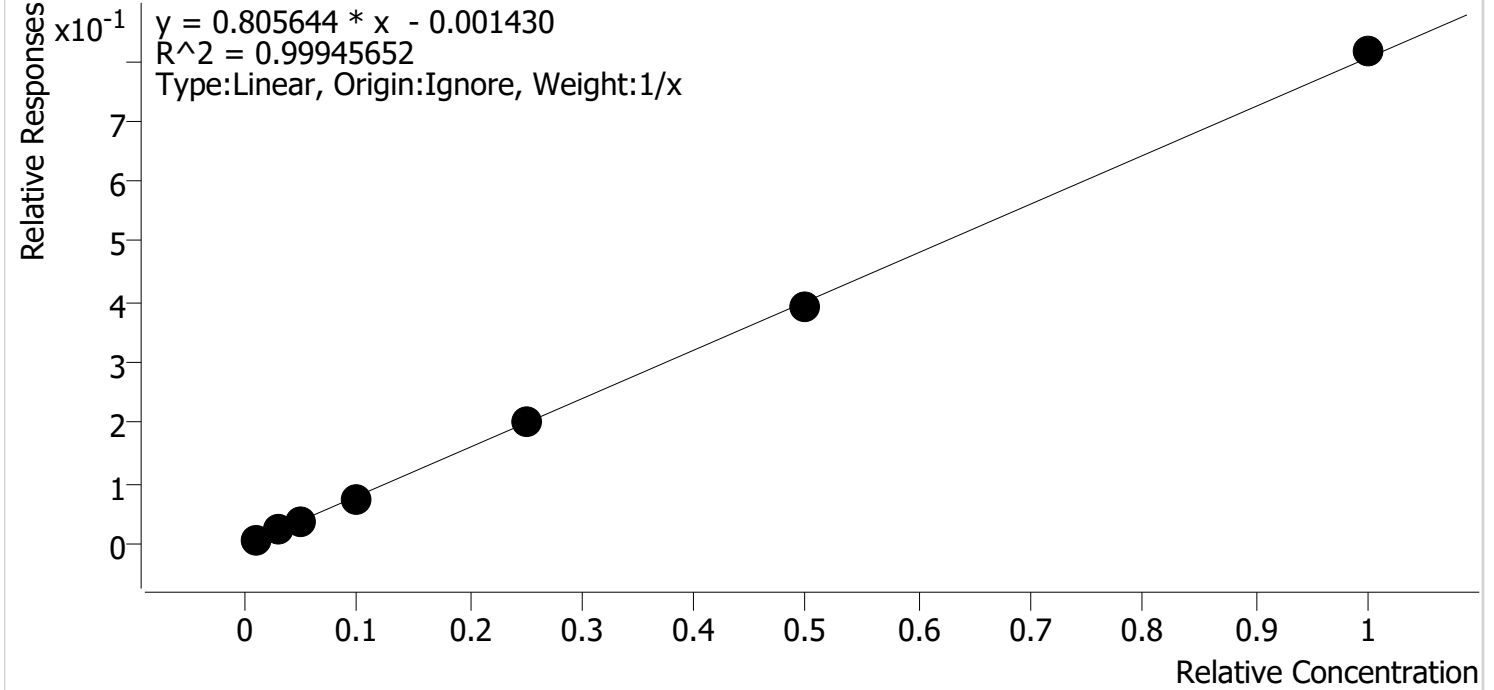




# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2023\lam 25-26\121323\QuantResults\lam26.batch.bin  
**Last Cal. Update** 12/14/2023 11:07 AM  
**Analyst Name** ISP\datastor  
**Analyte** THC **Internal Standard** THC-d3

THC - 7 Levels, 7 Levels Used, 7 Points, 7 Points Used, 0 QCs



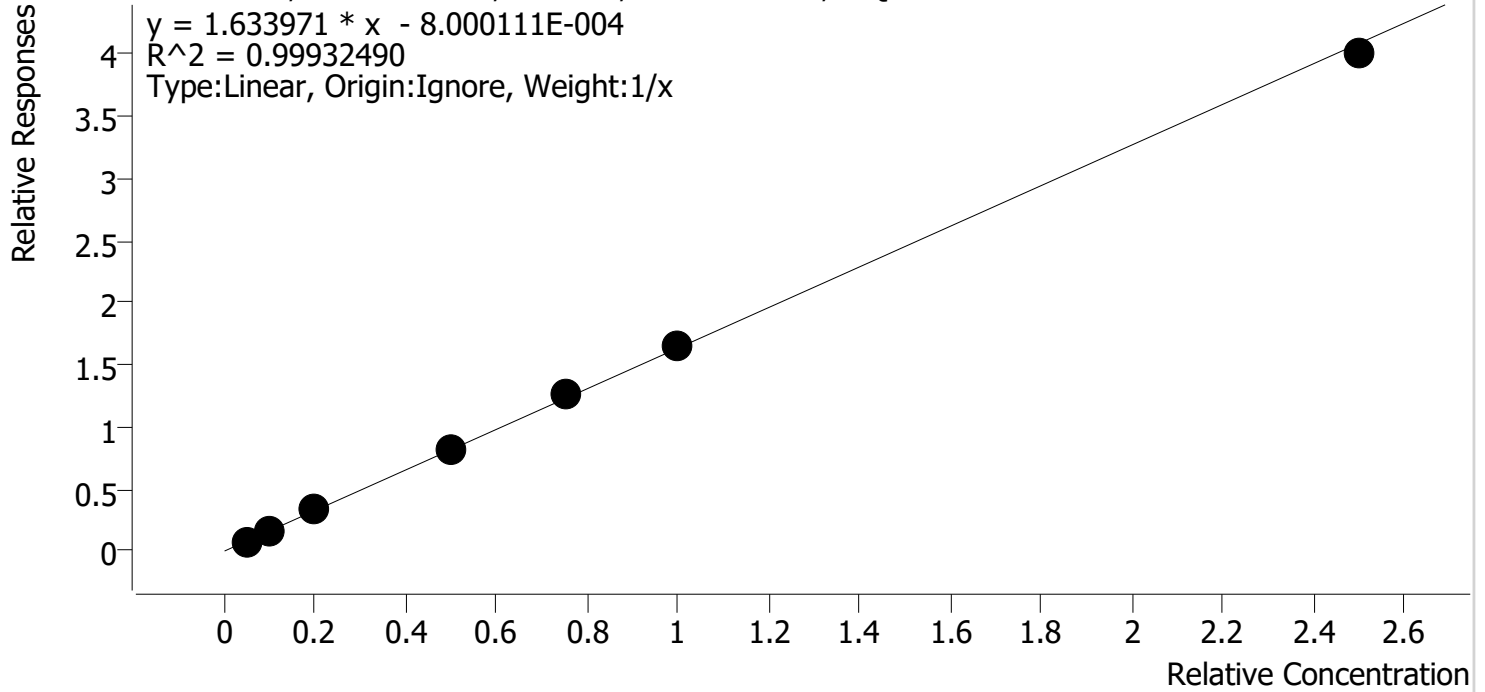
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1	1	✓	1.0	1.1	106.5
cal 2	2	✓	3.0	3.0	100.3
cal 3	3	✓	5.0	4.8	95.5
cal 4	4	✓	10.0	9.7	96.8
cal 5	5	✓	25.0	25.6	102.3
cal-6	6	✓	50.0	48.6	97.3
cal-7	7	✓	100.0	101.3	101.3

# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2023\lam 25-26\121323\QuantResults\lam26.batch.bin  
**Last Cal. Update** 12/14/2023 11:07 AM  
**Analyst Name** ISP\datastor  
**Analyte** THC-COOH

**Internal Standard** THC-COOH-d9

THC-COOH - 7 Levels, 7 Levels Used, 7 Points, 7 Points Used, 0 QCs

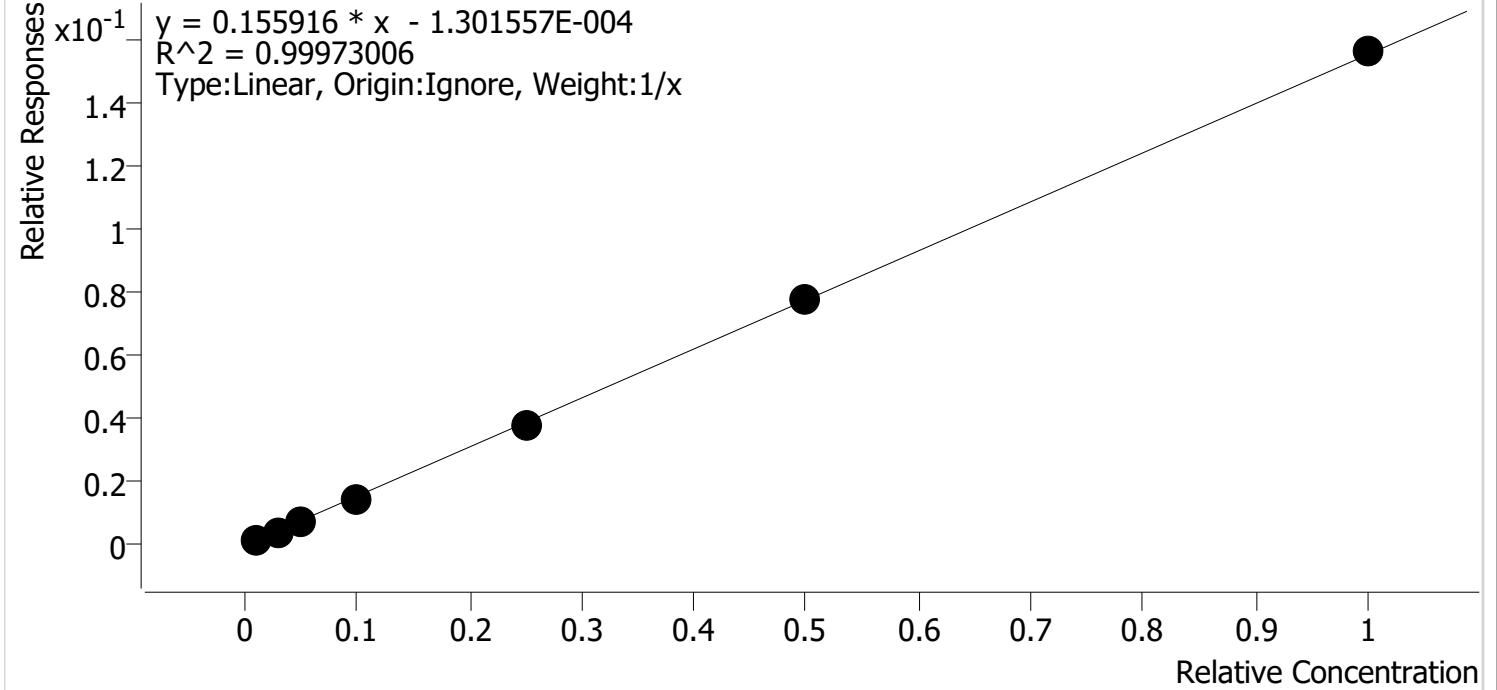


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1	1	✓	5.0	4.6	92.8
cal 2	2	✓	10.0	10.0	100.1
cal 3	3	✓	20.0	20.6	102.8
cal 4	4	✓	50.0	50.7	101.5
cal 5	5	✓	75.0	77.4	103.2
cal-6	6	✓	100.0	101.7	101.7
cal-7	7	✓	250.0	244.9	98.0

# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2023\lam 25-26\121323\QuantResults\lam26.batch.bin  
**Last Cal. Update** 12/14/2023 11:07 AM  
**Analyst Name** ISP\datastor  
**Analyte** THC-OH **Internal Standard** THC-OH-d3

THC-OH - 7 Levels, 7 Levels Used, 7 Points, 7 Points Used, 0 QCs



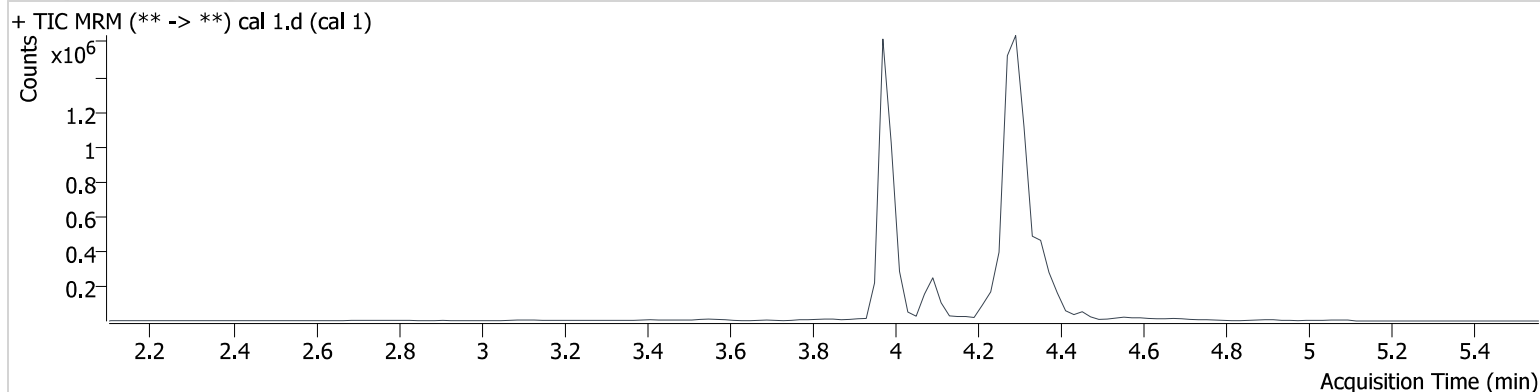
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1	1	✓	1.0	1.1	111.0
cal 2	2	✓	3.0	2.8	93.4
cal 3	3	✓	5.0	5.0	99.2
cal 4	4	✓	10.0	9.7	96.6
cal 5	5	✓	25.0	24.7	98.8
cal-6	6	✓	50.0	50.2	100.4
cal-7	7	✓	100.0	100.6	100.6

# AM #26 Cannabinoids Screen Results

**Batch results** D:\MassHunter\Data\2023\am 25-26\121323\QuantResults\am26.batch.bin  
**Calibration Last Update** 12/14/2023 11:07:06 AM

<b>Instrument</b>	69679	<b>Data File</b>	cal 1.d
<b>Type</b>	Cal	<b>Sample</b>	cal 1
<b>Acq. Method</b>	am 26 cann scr 5-5-20.m	<b>Operator</b>	Anne Nord
<b>Sample Position</b>	P3-A1	<b>Comment</b>	
<b>Injection Volume</b>	5		
<b>Acq. Date-Time</b>	12/13/2023 3:43:35 PM		
<b>Sample Info.</b>			

## Sample Chromatogram



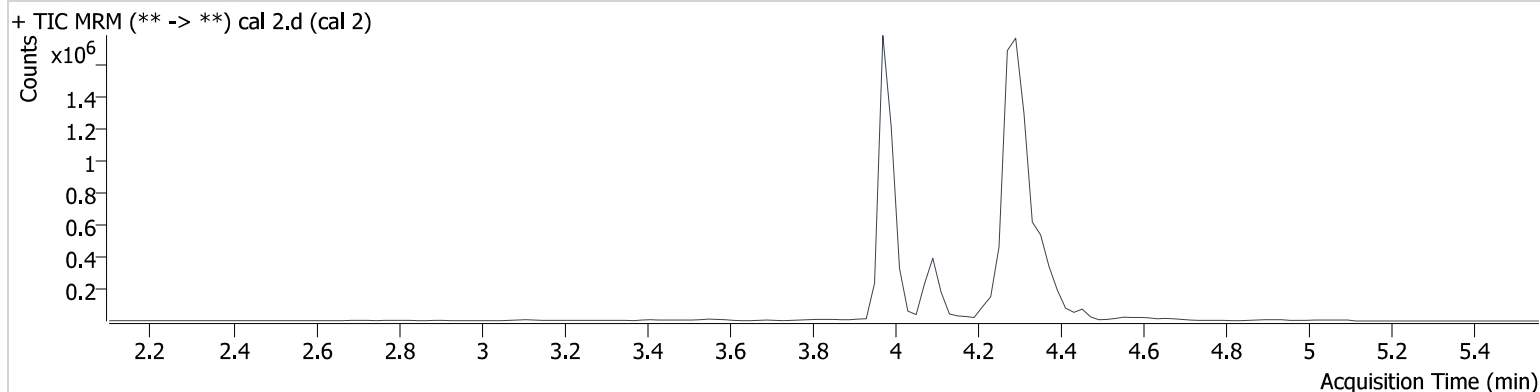
Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	4.365	2600	363476	1.065 ng/ml <b>Low</b>
THC-COOH	4.093	38119	508395	4.638 ng/ml <b>Low</b>
THC-OH	3.979	5819	3634033	1.110 ng/ml <b>Low</b>

# AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2023\am 25-26\121323\QuantResults\am26.batch.bin  
Calibration Last Update 12/14/2023 11:07:06 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	12/13/2023 3:50:14 PM		

## Sample Chromatogram



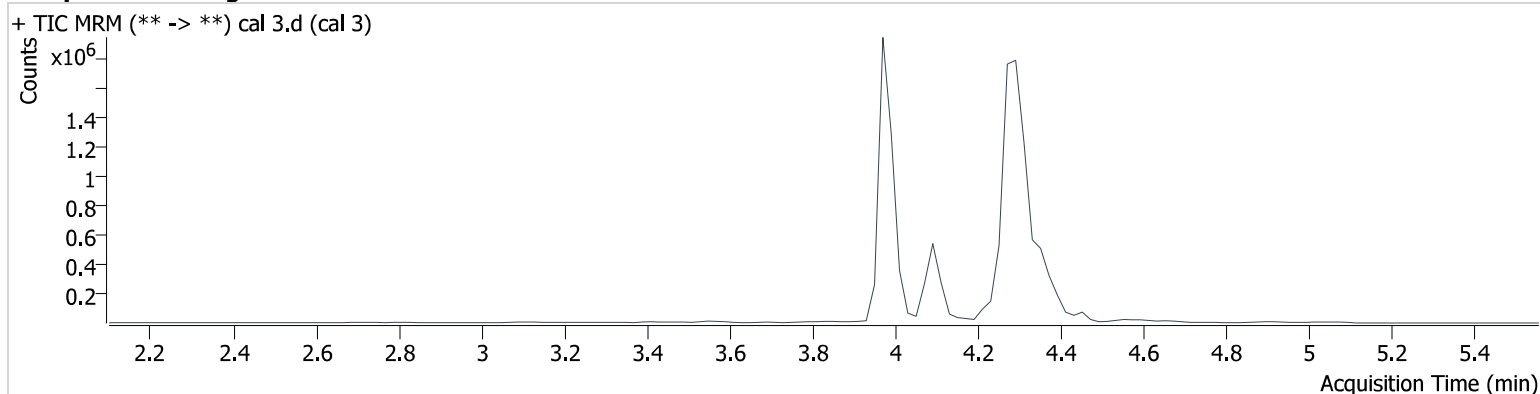
Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	4.365	7501	328708	3.010 ng/ml
THC-COOH	4.093	113574	697996	10.007 ng/ml
THC-OH	3.979	17070	4027308	2.802 ng/ml <b>Low</b>

# AM #26 Cannabinoids Screen Results

**Batch results** D:\MassHunter\Data\2023\am 25-26\121323\QuantResults\am26.batch.bin  
**Calibration Last Update** 12/14/2023 11:07:06 AM

<b>Instrument</b>	69679	<b>Data File</b>	cal 3.d
<b>Type</b>	Cal	<b>Sample</b>	cal 3
<b>Acq. Method</b>	am 26 cann scr 5-5-20.m	<b>Operator</b>	Anne Nord
<b>Sample Position</b>	P3-C1	<b>Comment</b>	
<b>Injection Volume</b>	5		
<b>Acq. Date-Time</b>	12/13/2023 3:56:45 PM		
<b>Sample Info.</b>			

## Sample Chromatogram



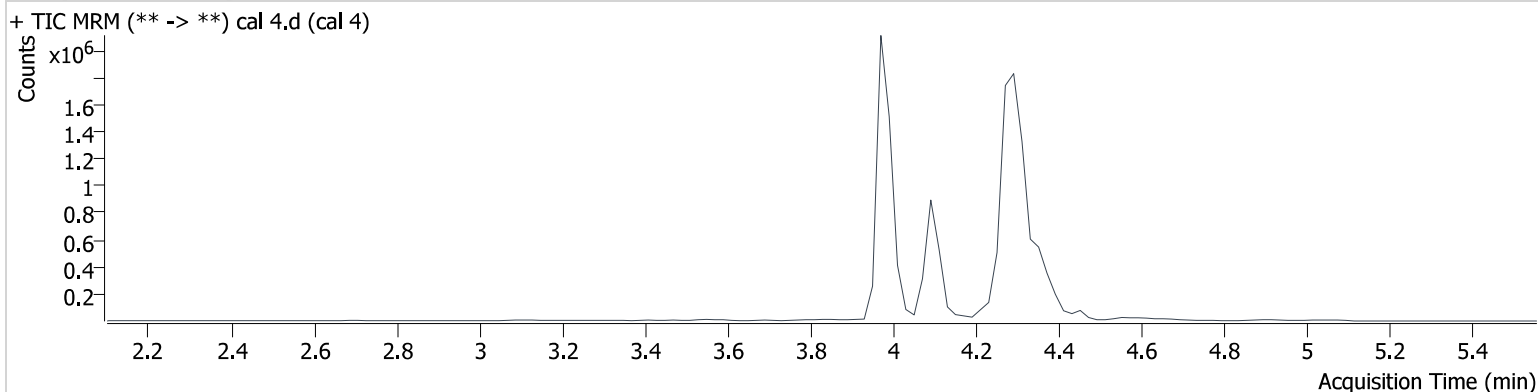
Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	4.365	11749	317178	4.775 ng/ml
THC-COOH	4.093	243564	726756	20.560 ng/ml
THC-OH	3.979	32123	4225148	4.960 ng/ml

# AM #26 Cannabinoids Screen Results

**Batch results** D:\MassHunter\Data\2023\am 25-26\121323\QuantResults\am26.batch.bin  
**Calibration Last Update** 12/14/2023 11:07:06 AM

<b>Instrument</b>	69679	<b>Data File</b>	cal 4.d
<b>Type</b>	Cal	<b>Sample</b>	cal 4
<b>Acq. Method</b>	am 26 cann scr 5-5-20.m	<b>Operator</b>	Anne Nord
<b>Sample Position</b>	P3-D1	<b>Comment</b>	
<b>Injection Volume</b>	5		
<b>Acq. Date-Time</b>	12/13/2023 4:03:15 PM		
<b>Sample Info.</b>			

## Sample Chromatogram



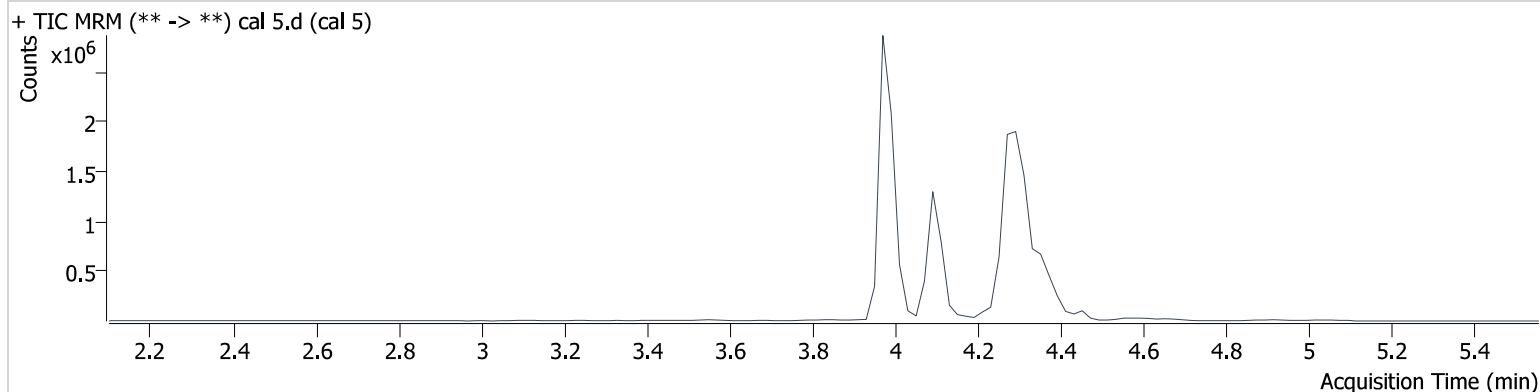
Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	4.365	22253	290641	9.681 ng/ml
THC-COOH	4.093	570038	688119	50.748 ng/ml
THC-OH	3.979	66272	4439143	9.658 ng/ml

# AM #26 Cannabinoids Screen Results

**Batch results** D:\MassHunter\Data\2023\am 25-26\121323\QuantResults\am26.batch.bin  
**Calibration Last Update** 12/14/2023 11:07:06 AM

<b>Instrument</b>	69679	<b>Data File</b>	cal 5.d
<b>Type</b>	Cal	<b>Sample</b>	cal 5
<b>Acq. Method</b>	am 26 cann scr 5-5-20.m	<b>Operator</b>	Anne Nord
<b>Sample Position</b>	P3-E1	<b>Comment</b>	
<b>Injection Volume</b>	5		
<b>Acq. Date-Time</b>	12/13/2023 4:09:43 PM		
<b>Sample Info.</b>			

## Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	4.365	62361	304884	25.566 ng/ml
THC-COOH	4.093	924033	731268	77.382 ng/ml
THC-OH	3.979	197219	5136453	24.709 ng/ml

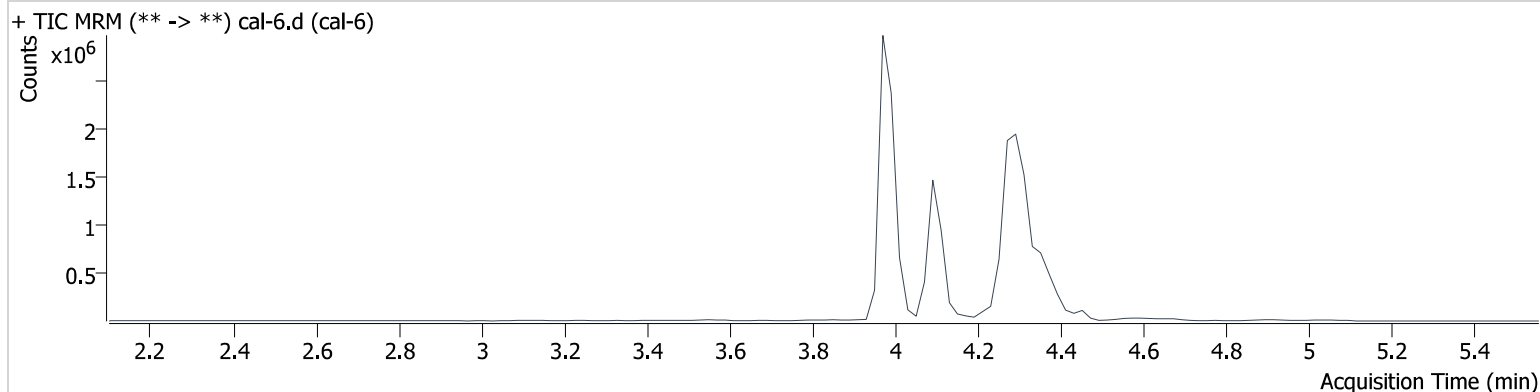


# AM #26 Cannabinoids Screen Results

**Batch results** D:\MassHunter\Data\2023\am 25-26\121323\QuantResults\am26.batch.bin  
**Calibration Last Update** 12/14/2023 11:07:06 AM

<b>Instrument</b>	69679	<b>Data File</b>	cal-6.d
<b>Type</b>	Cal	<b>Sample</b>	cal-6
<b>Acq. Method</b>	am 26 cann scr 5-5-20.m	<b>Operator</b>	Anne Nord
<b>Sample Position</b>	P3-F1	<b>Comment</b>	
<b>Injection Volume</b>	5		
<b>Acq. Date-Time</b>	12/13/2023 4:16:11 PM		
<b>Sample Info.</b>			

## Sample Chromatogram



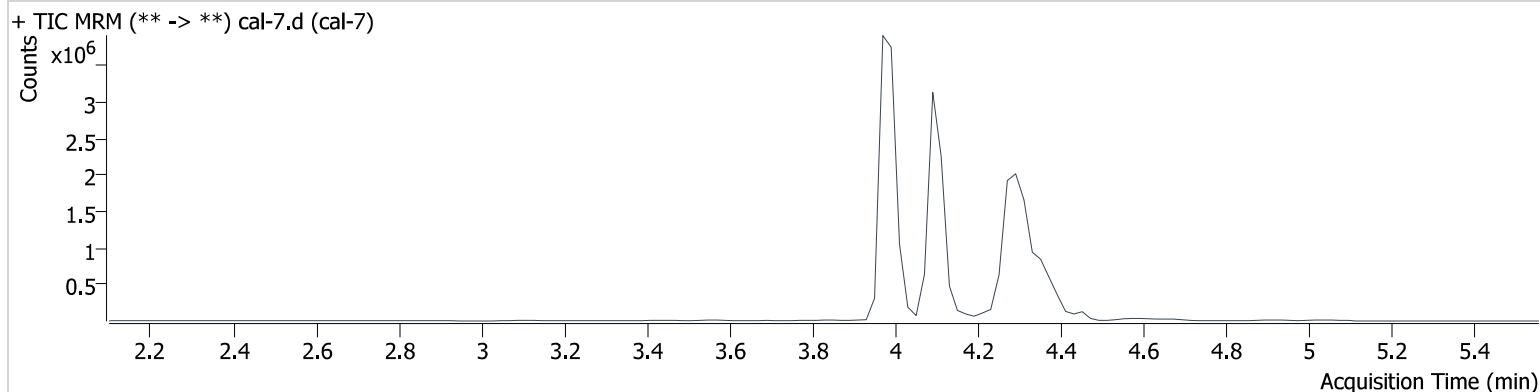
Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	4.365	107118	274324	48.646 ng/ml
THC-COOH	4.093	1112421	669558	101.729 ng/ml
THC-OH	3.979	341725	4374479	50.186 ng/ml

# AM #26 Cannabinoids Screen Results

**Batch results** D:\MassHunter\Data\2023\am 25-26\121323\QuantResults\am26.batch.bin  
**Calibration Last Update** 12/14/2023 11:07:06 AM

<b>Instrument</b>	69679	<b>Data File</b>	cal-7.d
<b>Type</b>	Cal	<b>Sample</b>	cal-7
<b>Acq. Method</b>	am 26 cann scr 5-5-20.m	<b>Operator</b>	Anne Nord
<b>Sample Position</b>	P3-G1	<b>Comment</b>	
<b>Injection Volume</b>	5		
<b>Acq. Date-Time</b>	12/13/2023 4:22:39 PM		
<b>Sample Info.</b>			

## Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	4.365	212314	260720	101.257 ng/ml
THC-COOH	4.093	2704214	675819	244.936 ng/ml
THC-OH	3.979	691365	4412574	100.574 ng/ml