



















**Worklist: 6542**

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
C2023-2265	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
C2023-2284	1	UCK	AM 25/AM 26 Urine MultiDrug/THC Screen by LC-QQQ	
C2023-2300	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
C2023-2301	1	UCK	AM 25/AM 26 Urine MultiDrug/THC Screen by LC-QQQ	
C2023-2315	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
C2023-2316	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
C2023-2337	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
C2023-2344	1	BLOOD	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
C2023-2359	5	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
C2023-2362	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
C2023-2364	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
C2023-2365	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
C2023-2381	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
C2023-2414	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
C2023-2429	2	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
C2023-2430	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
C2023-2431	1	UCK	AM 25/AM 26 Urine MultiDrug/THC Screen by LC-QQQ	
C2023-2432	1	UCK	AM 25/AM 26 Urine MultiDrug/THC Screen by LC-QQQ	
C2023-2447	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: 10/26/23

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:

C2023-2176 was also run with this extraction.

	1	2	3	4	5	6	7	8	9	10	11	12
A	cal 1	2316-1	2414-1								2284-1	2301-1
B	cal 1	2337-1	2429-2									2431-1
C	internal urine control	2344-1	2430-1									2432-1
D	internal urine control	2359-5	negative urine									
E	negative blood	2362-1	2447-1									internal urine control
F	2176-1	2364-1	2265-1									internal urine control
G	2300-1	2365-1										cal 1
H	2315-1	2381-1										cal 1

C2023-\_\_\_\_-

plate position 2

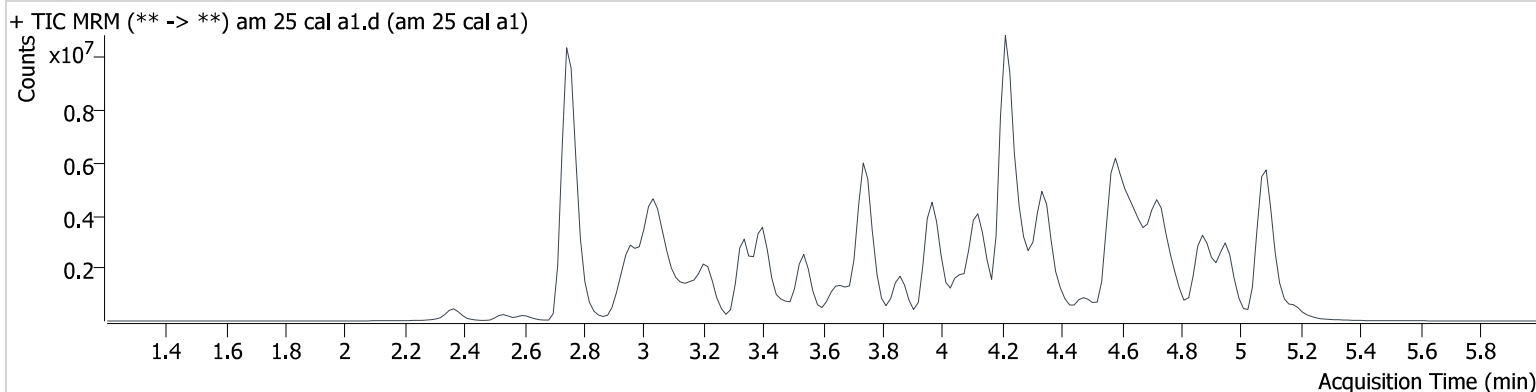
# AM #25 Multi-Drug Screen Results



**Batch results** D:\MassHunter\Data\2023\am 25-26\102623\QuantResults\mds.batch.bin  
**Calibration Last Update** 10/27/2023 10:57:20 AM

**Instrument** 69679 **Data File** am 25 cal a1.d  
**Type** Cal **Sample** am 25 cal a1  
**Acq. Method** mds713.m **Operator** Anne Nord  
**Sample Position** P2-A1 **Comment**  
**Injection Volume** 2.5  
**Acq. Date-Time** 10/26/2023 12:04:25 PM  
**Sample Info.**

## Sample Chromatogram



Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
10-OH-Carbamazepine	3.867	523498	3313.1	47.2	394724	10.000
6-MAM	3.030	19893	18959.7	4804.6	716907	10.000
7-aminoclonazepam	3.632	116395	48436.1	24197.1	827667	10.000
7-aminoflunitrazepam	3.848	351421	61499.4	81.0	827667	10.000
9-Hydroxyrisperidone	4.132	2235518	23550.4	33834.4	827667	10.000
Acetyl Fentanyl	4.106	148490	96.6	32686.0	3276828	10.000
Acetyl Norfentanyl	2.917	111456	57295.6	254.2	8885081	10.000
a-hydroxyalprazolam	4.720	50266	111.8	6925.8	394724	10.000
alpha-hydroxymidazolam	4.780	471194	567.7	984.7	2652812	10.000
alpha-PHP	3.990	1394009	433.6	298737.9	3505222	10.000
alpha-PVP	3.684	1444395	346.5	574.6	3505222	10.000
Alprazolam	4.784	708765	592.1	456.4	2652812	10.000
Amitriptyline	4.711	968995	288.0	388.7	3446255	10.000
Amphetamine	2.967	1141368	304.8	2030.8	3505222	10.000
Benzoylcegonine	3.463	24249	11424.5	624.6	98320	10.000
Bromazolam	4.871	236319	609.7	45840.4	2652812	10.000
Brompheniramine	4.276	52074	55.0	29.2	4520820	10.000
Buprenorphine	5.127	3554	2278.8	102.3	915250	10.000
Bupropion	4.007	1673634	509441.4	234.9	6928679	10.000
Carbamazepine	4.376	2514995	1789.9	222.7	2859276	10.000
Carisoprodol	4.313	373387	669.3	311.8	2180969	10.000
Chlordiazepoxide	4.984	230634	261.6	97.2	2652812	10.000
Chlorpheniramine	4.157	2500850	4326.4	14693.9	4520820	10.000
Chlorpromazine	4.966	966767	353192.0	2409.4	4061916	10.000
Citalopram	4.306	1220023	599.5	214670.5	28640270	10.000
Clomipramine	4.951	1132582	2873.6	3874.5	1768013	10.000
Clonazepam	4.645	98087	25030.3	6538.7	26767	10.000
Clonazolam	4.534	210300	293.0	85.8	394724	10.000
clozapine	4.735	1702457	20264.9	427735.2	7490453	10.000
Cocaethylene	3.953	1545200	379986.4	169107.5	9858659	10.000
Cocaine	3.739	2064668	2704.4	550.1	9858659	10.000
Codeine	2.942	162535	3740.7	3665.2	2859276	10.000
Cyclobenzaprine	4.620	1457346	12935.4	185.8	3446255	10.000
Desipramine	4.636	2429811	1029165.5	841.9	3446255	10.000



# AM #25 Multi-Drug Screen Results

Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
Dextromethorphan	4.266	864089	277832.5	7335.8	4520820	10.000
Dextrorphan	3.481	1101655	274718.9	370.8	3505222	10.000
Diazepam	5.062	353805	583.0	1008.7	2652812	10.000
Dihydrocodeine	2.788	401368	823.9	11127.6	2859276	10.000
Dimethyltryptamine	3.057	765462	454.7	522.0	3505222	10.000
Diphenhydramine	4.221	4570512	610.1	848.8	28640270	10.000
Doxepin	4.403	888477	1012.1	48.0	7490453	10.000
Doxylamine	3.757	3348545	1190.4	6483.5	3505222	10.000
Duloxetine	4.586	40271	14463.0	956.1	1768013	10.000
EDDP	4.249	269176	85134.2	30782.3	1185774	10.000
Estazolam	4.709	1037715	5196.3	143.9	2652812	10.000
Etizolam	4.780	55327	22497.9	118997.0	2652812	10.000
Fentanyl	4.351	134991	326.7	40582.3	7957954	10.000
Flualprazolam	4.613	256922	802.9	154161.1	2652812	10.000
Flunitrazepam	4.753	503071	147045.3	1468.1	394724	10.000
Fluorofentanyl	4.395	125982	31274.3	308.7	7957954	10.000
Fluoxetine	4.554	1348726	1953.5	141424.7	1768013	10.000
Flurazepam	4.456	1388146	2069943.6	118252.3	915250	10.000
Hydrocodone	3.170	479086	2959.7	1428.4	2859276	10.000
Hydromorphone	2.534	401976	1232.8	719.8	86630	10.000
hydroxyzine	4.870	1922052	197.2	283303.0	7490453	10.000
Imipramine	4.665	2771031	778.4	758.6	3446255	10.000
Ketamine	3.853	1009706	626.3	127.8	4265991	10.000
Lamotrigine	3.728	82550	256.5	609.5	3505222	10.000
Levamisole	3.102	697883	967.0	191.6	9858659	10.000
Levetiracetam	2.616	232171	1733.8	166.8	827667	10.000
Lorazepam	4.598	15982	22.9	14.6	394724	10.000
Maprotiline	4.711	754097	130409.7	272.5	3446255	10.000
MDA	3.103	1125003	382.7	1471.2	8501434	10.000
MDEA	3.332	1727033	780.7	3618.1	8501434	10.000
MDMA	3.178	1661489	5700.4	292.1	8501434	10.000
Meperidine	3.759	944663	399146.9	188254.7	86630	10.000
Meprobamate	3.731	134817	1799.4	97.1	2180969	10.000
Methadone	4.615	2777884	3443.0	409178.0	3276828	10.000
Methamphetamine	3.073	1084180	4412.5	∞	8501434	10.000
Methocarbamol	3.683	84420	1087.5	145.0	2180969	10.000
Methylphenidate	3.652	2757012	1601.2	643.8	5789406	10.000
Metoprolol	3.542	343819	706.0	113185.4	3505222	10.000
Midazolam	4.934	243634	68307.9	64451.8	827667	10.000
Mirtazapine	4.343	1046210	212010.0	2107.3	915250	10.000
Mitragynine	4.471	213722	93376.0	123501.1	7957954	10.000
Morphine	2.368	116305	346.1	818.0	86630	10.000
Norbuprenorphine	3.964	30153	12367.4	9650.1	915250	10.000
Nordiazepam	4.911	119523	77415.8	198.6	2652812	10.000
Norfentanyl	3.422	1923598	3497.8	1776.3	8885081	10.000
Norhydrocodone	3.004	53909	42.2	5934.8	2859276	10.000
norketamine	3.977	145983	89.5	379154.4	4265991	10.000
Normeperidine	3.729	1145559	405.1	330.5	86630	10.000
Noroxycodone	2.957	496926	∞	1821.4	2859276	10.000
Nortriptyline	4.683	922844	330530.6	640.8	1768013	10.000
O-desmethyl-tramadol	2.961	2340225	1397.7	221.8	3276828	10.000
O-Desmethylvenlafaxine	3.342	723401	112.5	∞	3276828	10.000
Olanzapine	4.061	1028964	273399.5	10967.2	1768013	10.000
Oxazepam	4.725	71419	61.8	20.9	394724	10.000
Oxycodone	3.016	868721	589.5	43603.0	4265991	10.000
Oxymorphone	2.364	606298	521.2	301.7	86630	10.000
Paroxetine	4.596	168626	87.0	49249.1	1768013	10.000
Phenazepam	4.841	212214	278347.2	310.7	2652812	10.000
Phencyclidine	4.068	2161456	869.7	577.7	3276828	10.000
Phentermine	3.242	524824	∞	276.7	5789406	10.000



# AM #25 Multi-Drug Screen Results

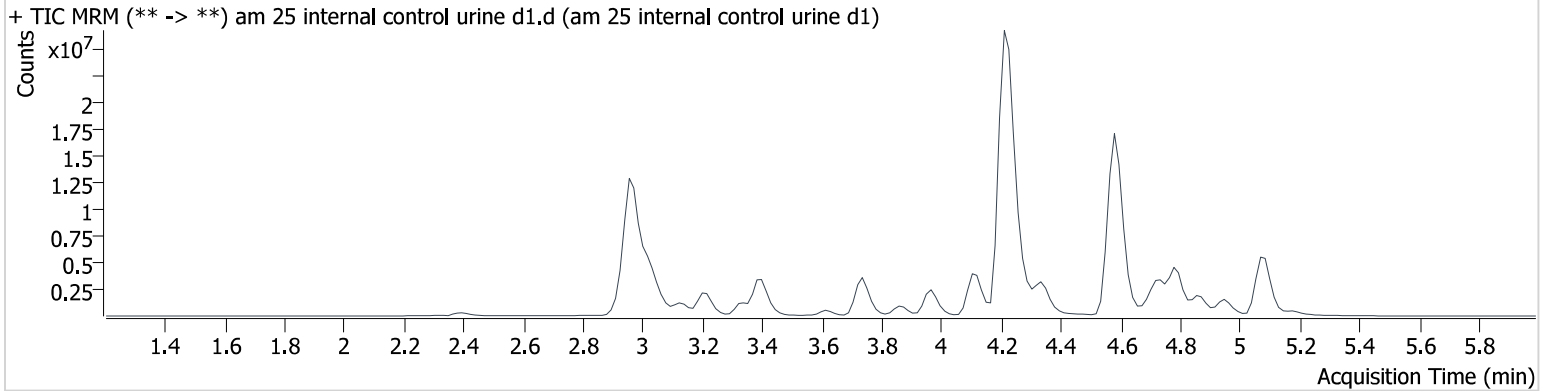
Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
Phenytoin	4.252	55783	21821.8	19.2	26767	10.000
primidone	3.531	72889	14666.3	41.8	26767	10.000
Promethazine	4.634	2758888	15064771.3	777.8	3446255	10.000
Pseudoephedrine	2.752	31446699	14483.2	50025.3	5789406	10.000
Quetiapine	4.900	2238764	578840.4	547.8	4520820	10.000
Risperidone	4.332	2368011	937736.9	71049.8	4520820	10.000
Sertraline	4.876	331039	211069.9	2686.9	1768013	10.000
Sufentanil	4.793	124612	43735.7	131.1	7957954	10.000
Tapentadol	3.561	1745848	1472.6	630.9	4265991	10.000
Temazepam	4.877	578286	483.3	46.6	2652812	10.000
Topiramate	3.935	6245	2612.4	1188.8	36635	10.000
Tramadol	3.542	5302048	402.3	29.2	716907	10.000
Trazodone	5.114	2216493	574114.8	611730.4	3276828	10.000
Venlafaxine	3.956	2509019	736.2	1327.8	3276828	10.000
Xylazine	3.469	152261	35.4	1107.7	3276828	10.000
Zaleplon	4.509	520297	161518.9	106628.8	394724	10.000
Zolpidem	4.585	2965524	868620.8	3207.1	13647270	10.000
Zopiclone	4.593	201049	69601.5	3394222	1024581	10.000
				1.1		

# AM #25 Multi-Drug Screen Results

**Batch results** D:\MassHunter\Data\2023\am 25-26\102623\QuantResults\mds.batch.bin  
**Calibration Last Update** 10/27/2023 10:57:20 AM

<b>Instrument</b>	69679	<b>Data File</b>	am 25 internal control urine d1.d
<b>Type</b>	Sample	<b>Sample</b>	am 25 internal control urine d1
<b>Acq. Method</b>	mds713.m	<b>Operator</b>	Anne Nord
<b>Sample Position</b>	P2-D1	<b>Comment</b>	
<b>Injection Volume</b>	2.5		
<b>Acq. Date-Time</b>	10/26/2023 12:11:18 PM		
<b>Sample Info.</b>			

## Sample Chromatogram



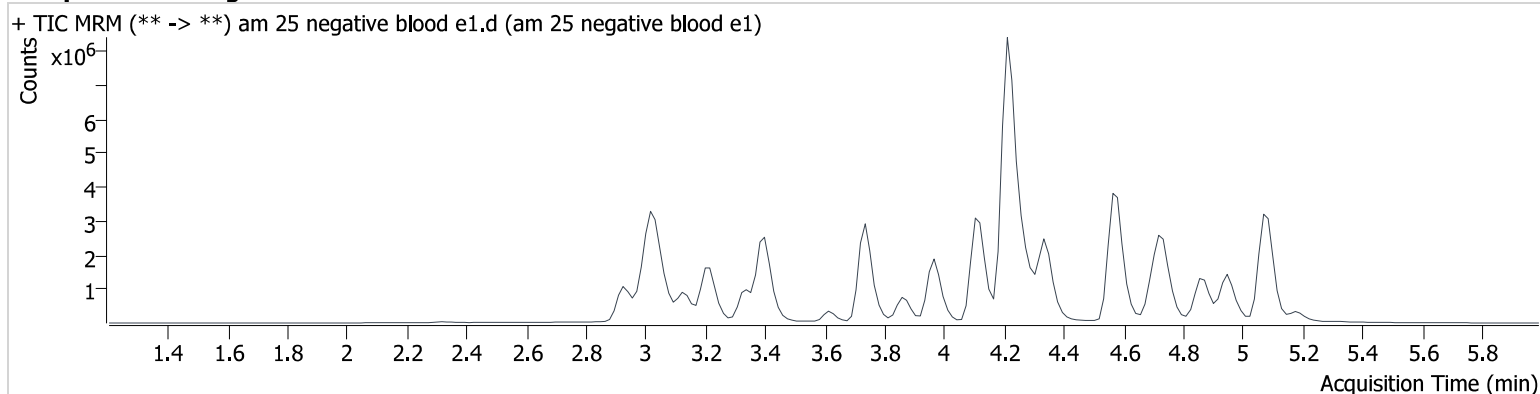
Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
Alprazolam	4.784	7163879	753.5	489.3	3166622	84.675
Amphetamine	2.967	11711588	3331.9	14114.6	3564396	100.907
Codeine	2.942	1860570	766.3	631.9	3562061	91.887
Diphenhydramine	4.221	49073970	1098.5	3433150. 7	30483018	100.880
Zolpidem	4.585	36439680	13397719.1	424896.8	14688680	114.166

# AM #25 Multi-Drug Screen Results

**Batch results** D:\MassHunter\Data\2023\am 25-26\102623\QuantResults\mds.batch.bin  
**Calibration Last Update** 10/27/2023 10:57:20 AM

<b>Instrument</b>	69679	<b>Data File</b>	am 25 negative blood e1.d
<b>Type</b>	Sample	<b>Sample</b>	am 25 negative blood e1
<b>Acq. Method</b>	mds713.m	<b>Operator</b>	Anne Nord
<b>Sample Position</b>	P2-E1	<b>Comment</b>	
<b>Injection Volume</b>	2.5		
<b>Acq. Date-Time</b>	10/26/2023 12:18:00 PM		
<b>Sample Info.</b>			

## Sample Chromatogram



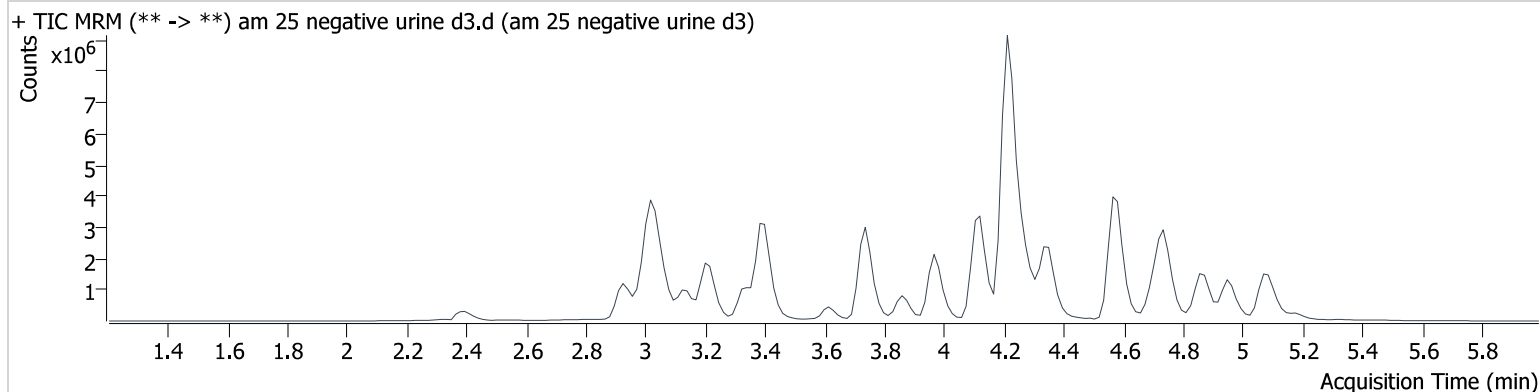


# AM #25 Multi-Drug Screen Results

**Batch results** D:\MassHunter\Data\2023\am 25-26\102623\QuantResults\mds.batch.bin  
**Calibration Last Update** 10/27/2023 10:57:20 AM

<b>Instrument</b>	69679	<b>Data File</b>	am 25 negative urine d3.d
<b>Type</b>	Sample	<b>Sample</b>	am 25 negative urine d3
<b>Acq. Method</b>	mds713.m	<b>Operator</b>	Anne Nord
<b>Sample Position</b>	P2-D3	<b>Comment</b>	
<b>Injection Volume</b>	2.5		
<b>Acq. Date-Time</b>	10/26/2023 2:12:01 PM		
<b>Sample Info.</b>			

## Sample Chromatogram





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

Extraction Date: 10/27/23 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	2344-1	2430-1		
b	cal 2	negative blood	2359-5	negative urine		
c	cal 3	2447-1	2362-1	2284-1		
d	cal 4	2265-1	2364-1	2301-1		
e	cal 5	2300-1	2365-1	2431-1		
f	cal 6	2315-1	2381-1	2432-1		
g	cal 7	2316-1	2414-1			
h	Internal control (blood)	2337-1	2429-2			

Plate position 3

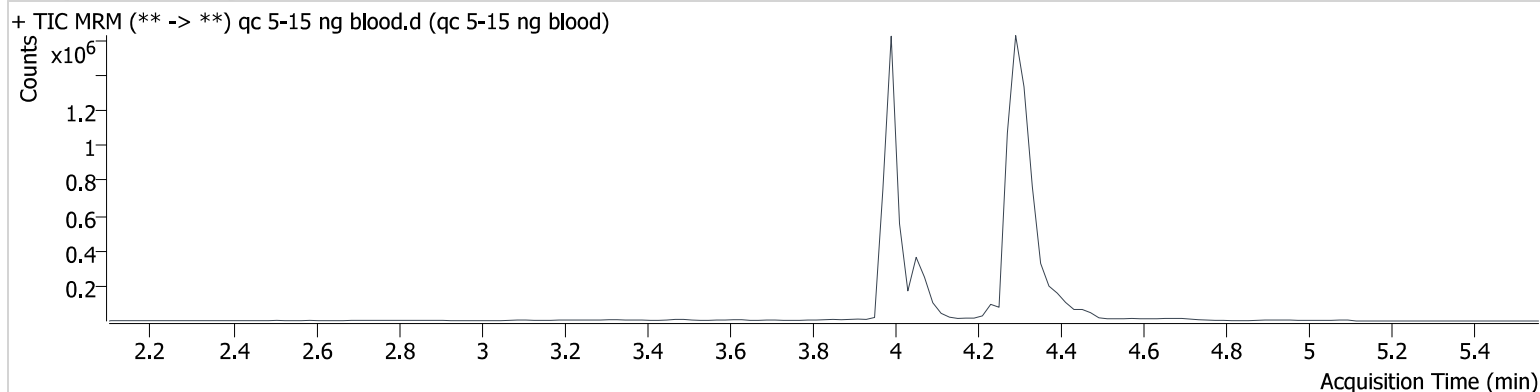
c2023-\_\_\_\_-\_\_

# AM #26 Cannabinoids Screen Results

**Batch results** D:\MassHunter\Data\2023\am 25-26\102623\QuantResults\am26.batch.bin  
**Calibration Last Update** 10/27/2023 3:02:05 PM

<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>	10/27/2023 11:59:01 AM		
<b>Sample Info.</b>			

## Sample Chromatogram



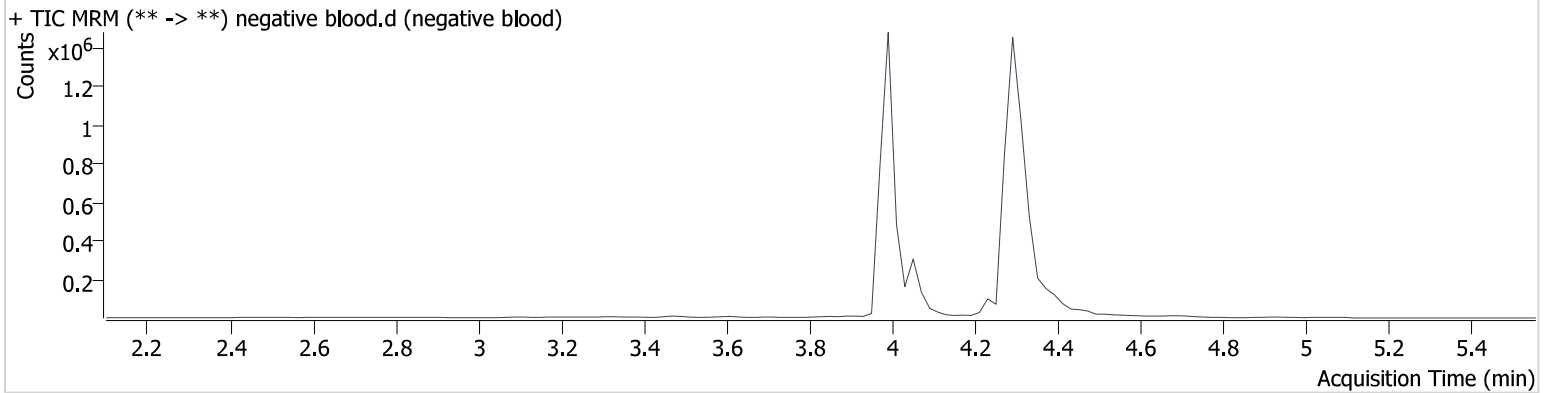
Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	4.405	11276	278523	4.321 ng/ml
THC-COOH	4.073	107101	611922	14.671 ng/ml
THC-OH	3.999	24671	3383109	4.607 ng/ml

# AM #26 Cannabinoids Screen Results

**Batch results** D:\MassHunter\Data\2023\am 25-26\102623\QuantResults\am26.batch.bin  
**Calibration Last Update** 10/27/2023 3:02:05 PM

<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>	10/27/2023 12:11:57 PM		
<b>Sample Info.</b>			

## Sample Chromatogram

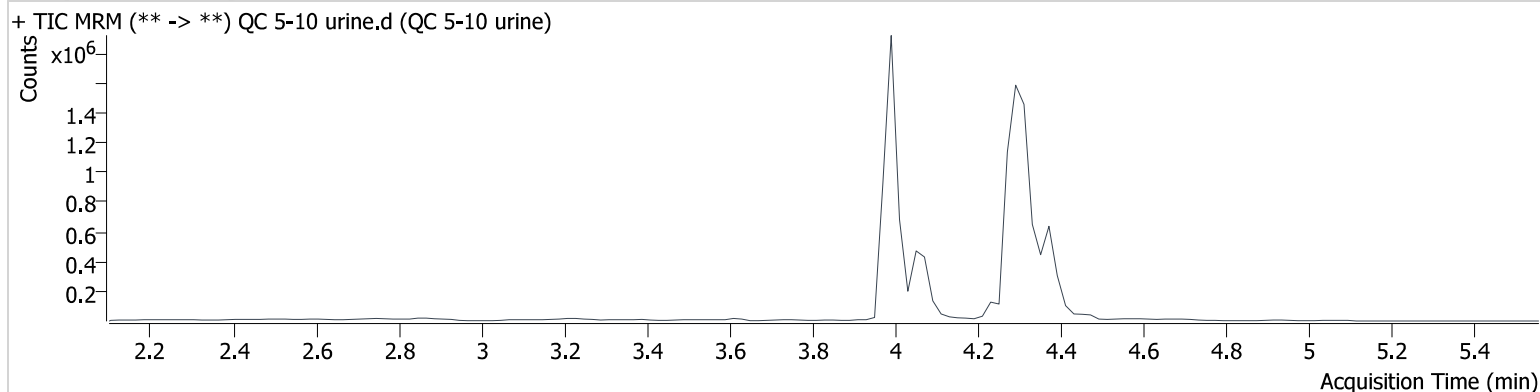


# AM #26 Cannabinoids Screen Results

**Batch results** D:\MassHunter\Data\2023\am 25-26\102623\QuantResults\am26.batch.bin  
**Calibration Last Update** 10/27/2023 3:02:05 PM

<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>	10/27/2023 12:05:29 PM		
<b>Sample Info.</b>			

## Sample Chromatogram



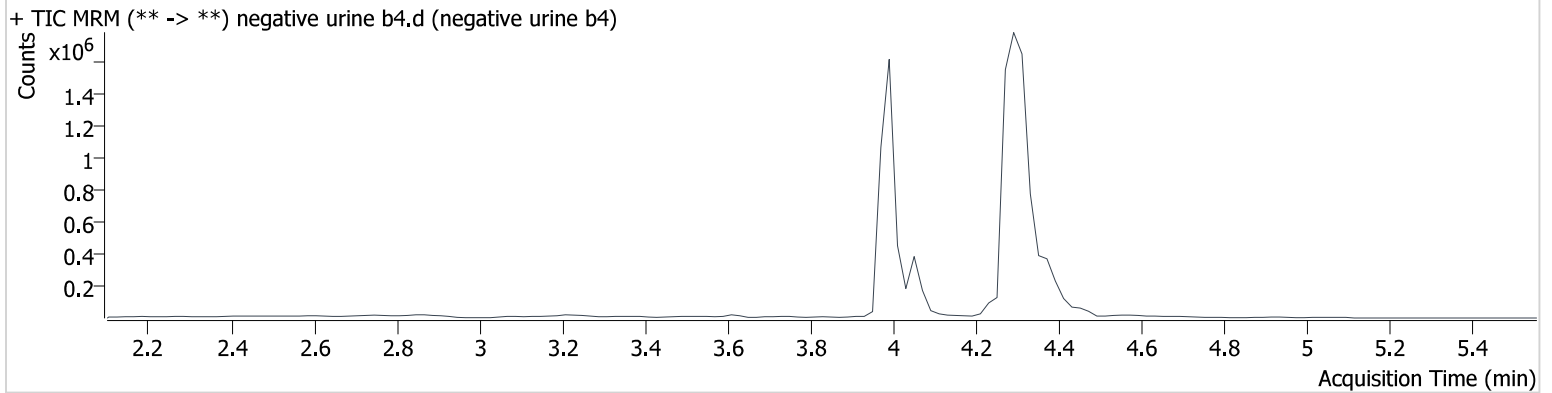
Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	4.385	35381	955829	3.971 ng/ml
THC-COOH	4.073	152391	801412	15.947 ng/ml
THC-OH	3.999	30741	4152715	4.676 ng/ml

# AM #26 Cannabinoids Screen Results

**Batch results** D:\MassHunter\Data\2023\am 25-26\102623\QuantResults\am26.batch.bin  
**Calibration Last Update** 10/27/2023 3:02:05 PM

<b>Instrument</b>	69679	<b>Data File</b>	negative urine b4.d
<b>Type</b>	Sample	<b>Sample</b>	negative urine b4
<b>Acq. Method</b>	am 26 cann scr 5-5-20.m	<b>Operator</b>	Anne Nord
<b>Sample Position</b>	P3-B4	<b>Comment</b>	
<b>Injection Volume</b>	5		
<b>Acq. Date-Time</b>	10/27/2023 1:55:29 PM		
<b>Sample Info.</b>			

## Sample Chromatogram

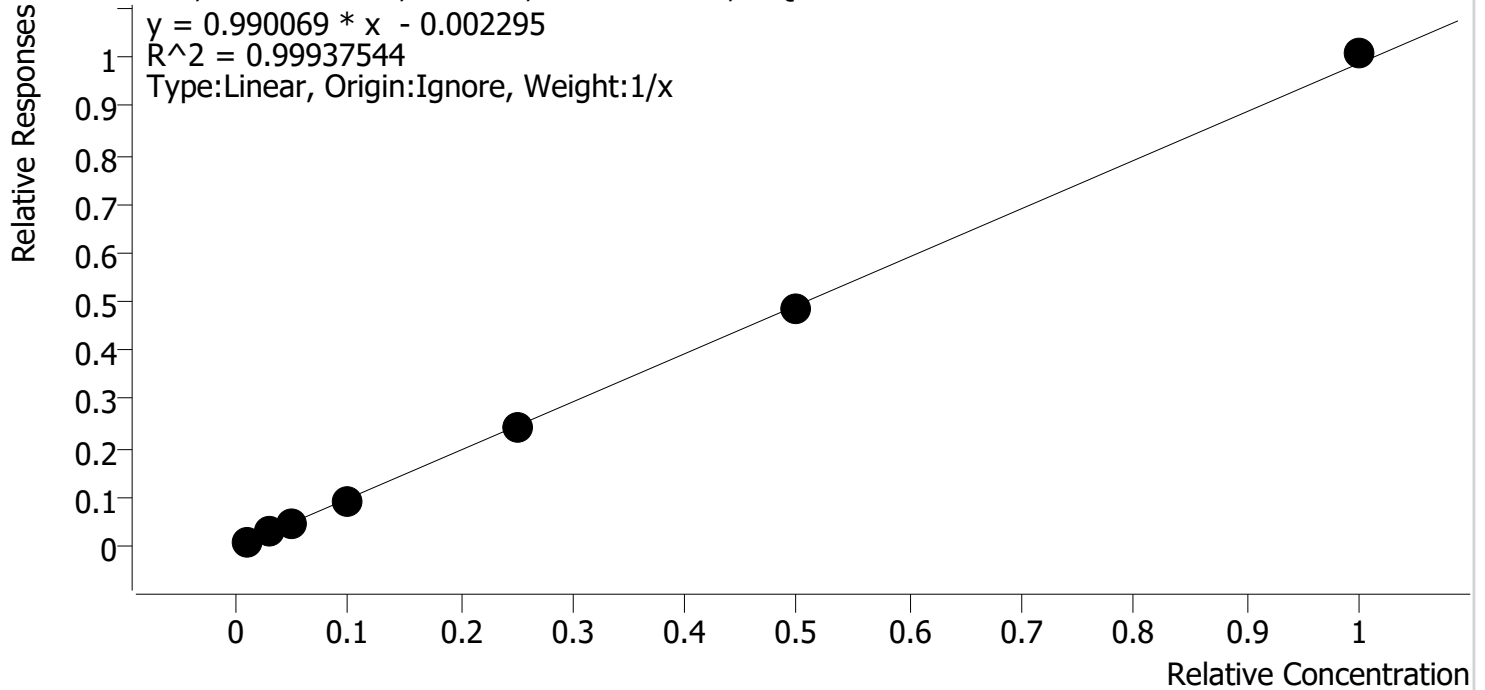


# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2023\lam 25-26\102623\QuantResults\lam26.batch.bin  
**Last Cal. Update** 10/27/2023 3:02 PM  
**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	108.6
cal 2	2	✓	3.0	2.9	97.3
cal 3	3	✓	5.0	5.0	100.6
cal 4	4	✓	10.0	9.6	96.0
cal 5	5	✓	25.0	24.4	97.5
cal-6	6	✓	50.0	49.0	97.9
cal-7	7	✓	100.0	102.0	102.0



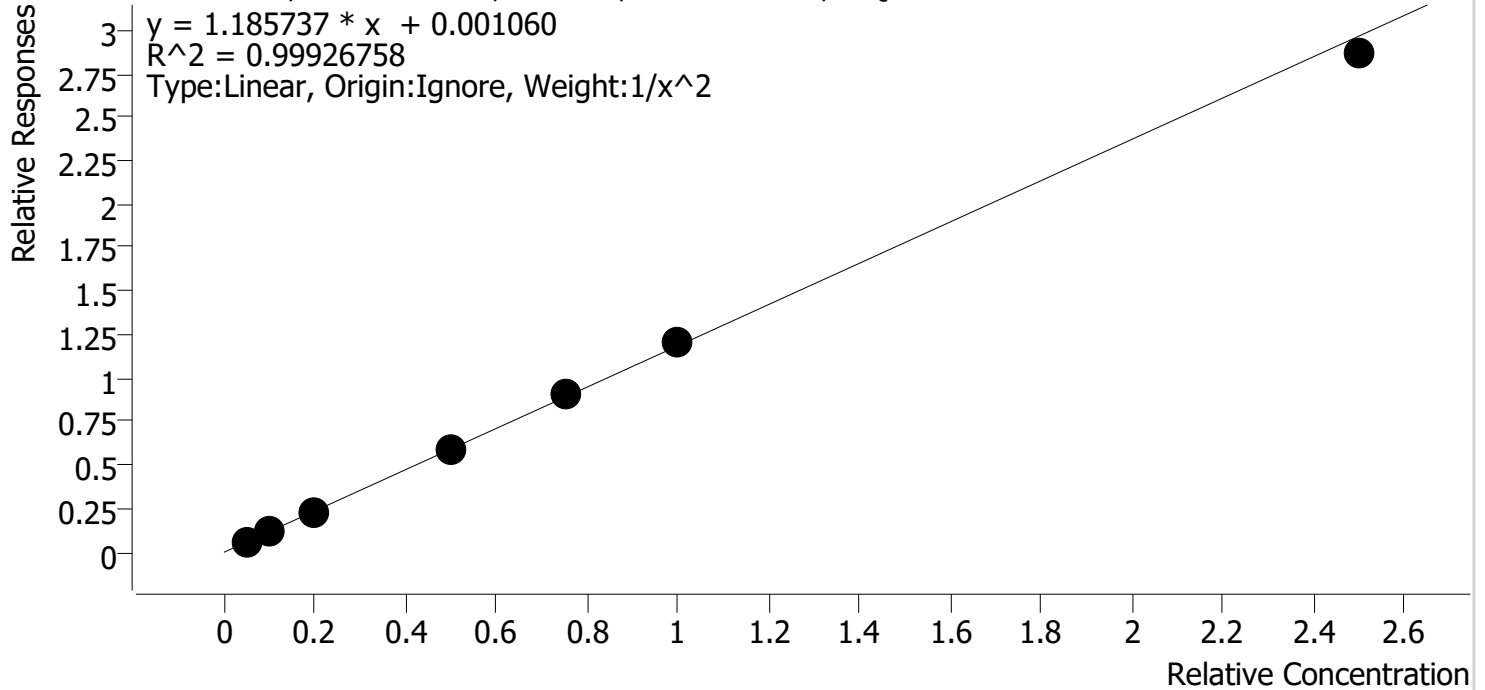
# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2023\lam 25-26\102623\QuantResults\lam26.batch.bin  
**Last Cal. Update** 10/27/2023 3:02 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, 0 QCs



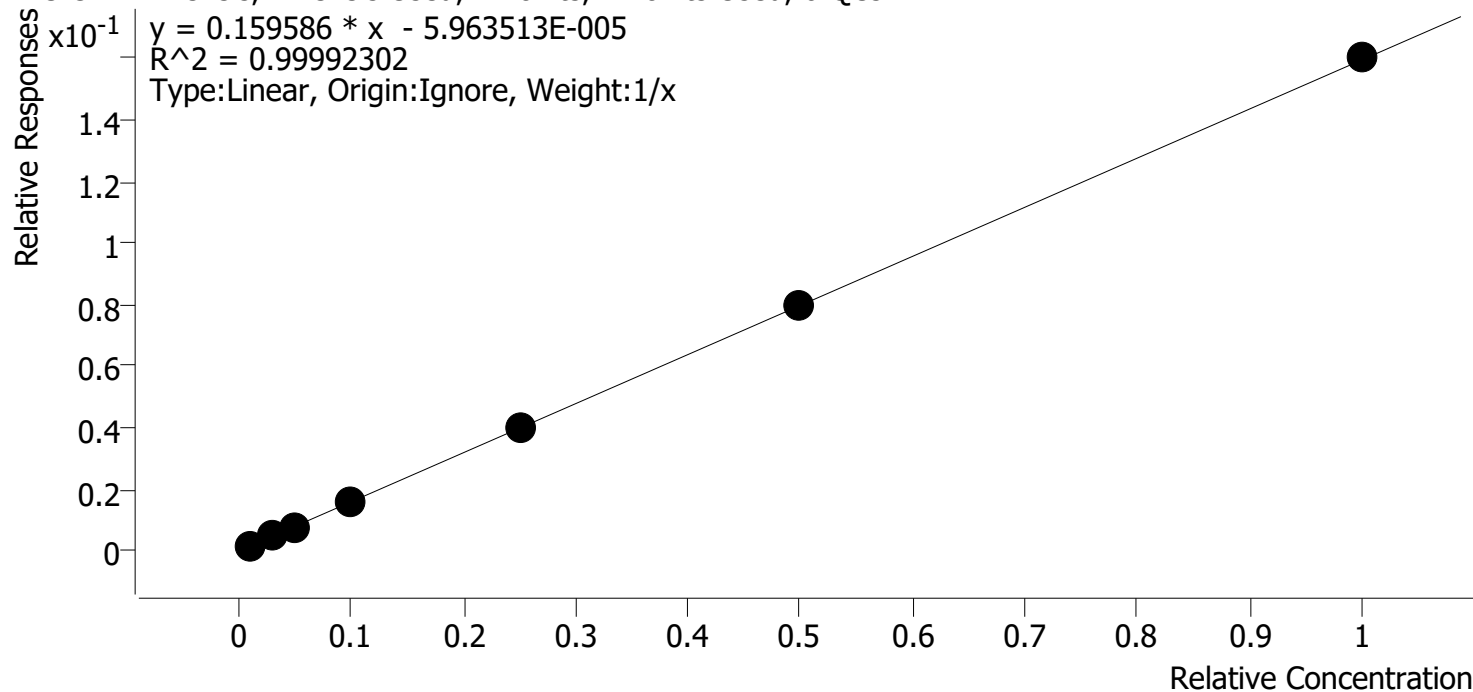
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1	1	✓	5.0	5.0	100.8
cal 2	2	✓	10.0	9.8	98.4
cal 3	3	✓	20.0	19.9	99.3
cal 4	4	✓	50.0	49.9	99.7
cal 5	5	✓	75.0	77.1	102.8
cal-6	6	✓	100.0	102.4	102.4
cal-7	7	✓	250.0	241.5	96.6

# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2023\lam 25-26\102623\QuantResults\lam26.batch.bin  
**Last Cal. Update** 10/27/2023 3:02 PM  
**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



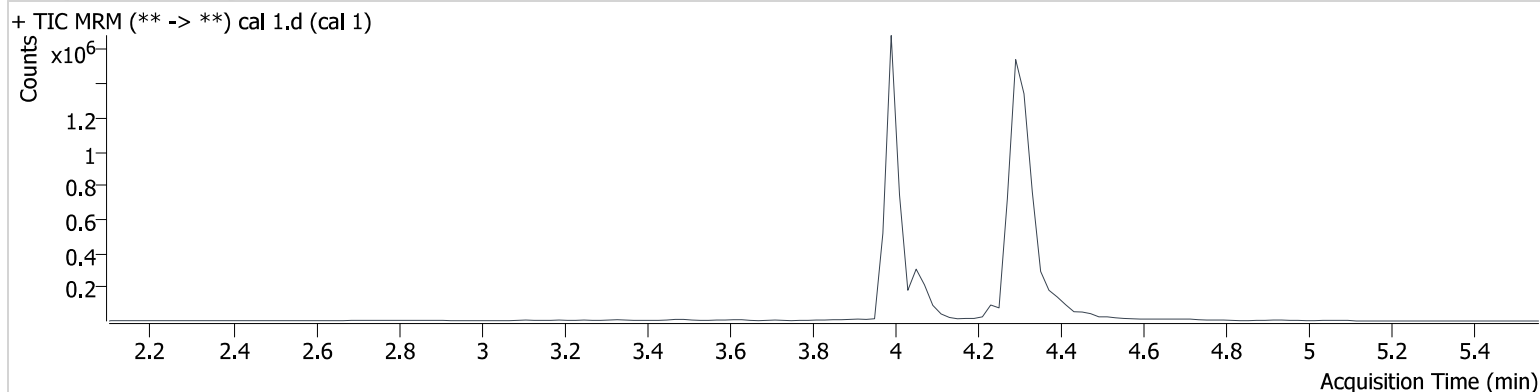
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1	1	✓	1.0	1.1	105.9
cal 2	2	✓	3.0	2.9	98.3
cal 3	3	✓	5.0	4.9	97.4
cal 4	4	✓	10.0	9.8	98.5
cal 5	5	✓	25.0	24.9	99.5
cal-6	6	✓	50.0	49.9	99.9
cal-7	7	✓	100.0	100.4	100.4

# AM #26 Cannabinoids Screen Results

**Batch results** D:\MassHunter\Data\2023\am 25-26\102623\QuantResults\am26.batch.bin  
**Calibration Last Update** 10/27/2023 3:02:05 PM

<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>	10/27/2023 11:13:34 AM		
<b>Sample Info.</b>			

## Sample Chromatogram



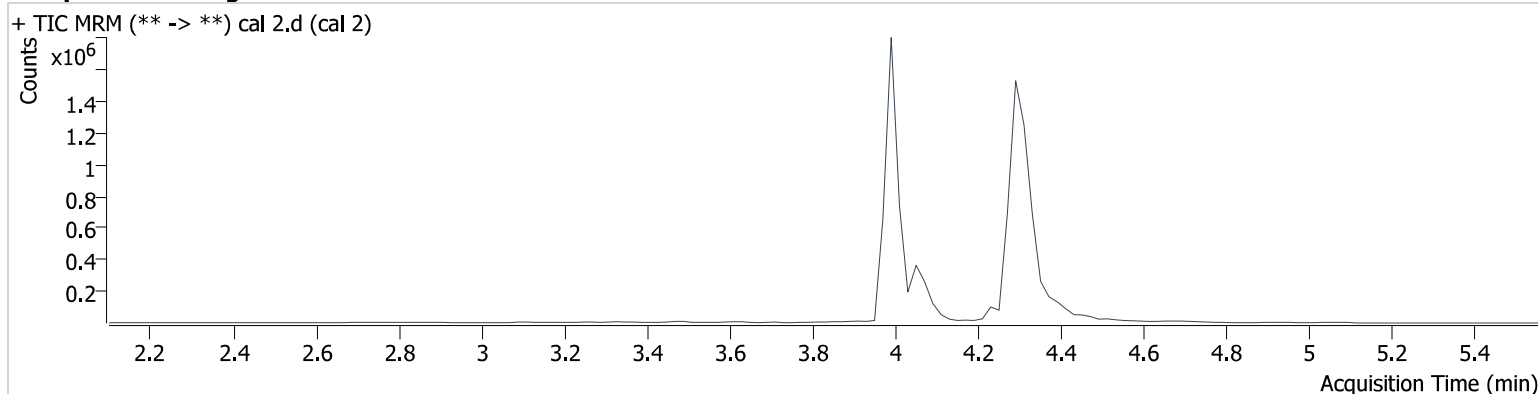
Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	4.405	2593	306403	1.086 ng/ml <b>Low</b>
THC-COOH	4.073	37655	619265	5.039 ng/ml <b>Low</b>
THC-OH	3.999	5923	3631201	1.059 ng/ml <b>Low</b>

# AM #26 Cannabinoids Screen Results

**Batch results** D:\MassHunter\Data\2023\am 25-26\102623\QuantResults\am26.batch.bin  
**Calibration Last Update** 10/27/2023 3:02:05 PM

<b>Instrument</b>	69679	<b>Data File</b>	cal 2.d
<b>Type</b>	Cal	<b>Sample</b>	cal 2
<b>Acq. Method</b>	am 26 cann scr 5-5-20.m	<b>Operator</b>	Anne Nord
<b>Sample Position</b>	P3-B1	<b>Comment</b>	
<b>Injection Volume</b>	5		
<b>Acq. Date-Time</b>	10/27/2023 11:20:12 AM		
<b>Sample Info.</b>			

## Sample Chromatogram



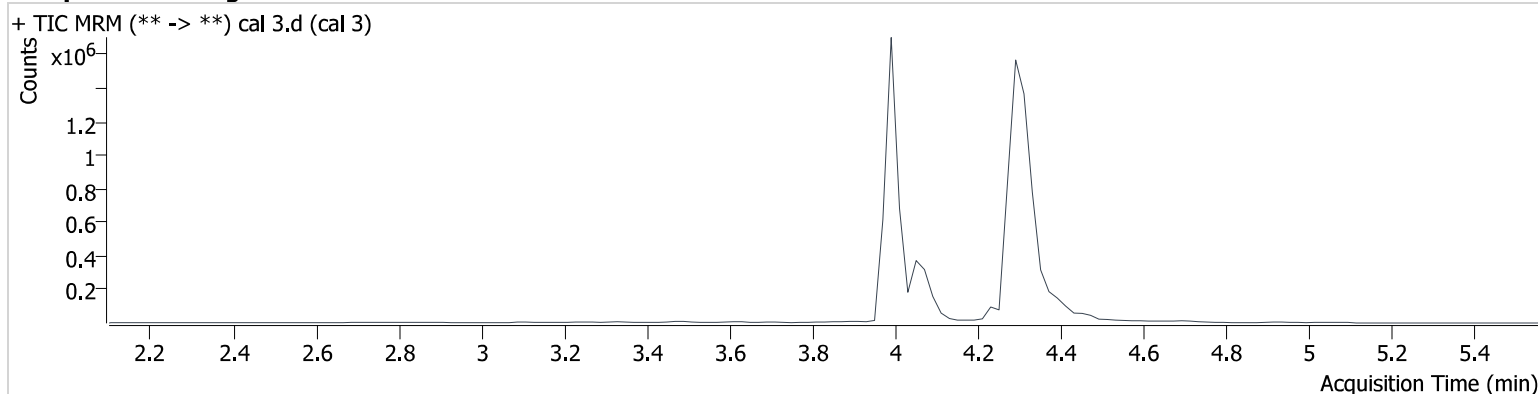
Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	4.405	7581	284942	2.919 ng/ml <b>Low</b>
THC-COOH	4.073	81596	693059	9.840 ng/ml <b>Low</b>
THC-OH	3.999	17752	3820644	2.949 ng/ml <b>Low</b>

# AM #26 Cannabinoids Screen Results

**Batch results** D:\MassHunter\Data\2023\am 25-26\102623\QuantResults\am26.batch.bin  
**Calibration Last Update** 10/27/2023 3:02:05 PM

<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>	10/27/2023 11:26:40 AM		
<b>Sample Info.</b>			

## Sample Chromatogram



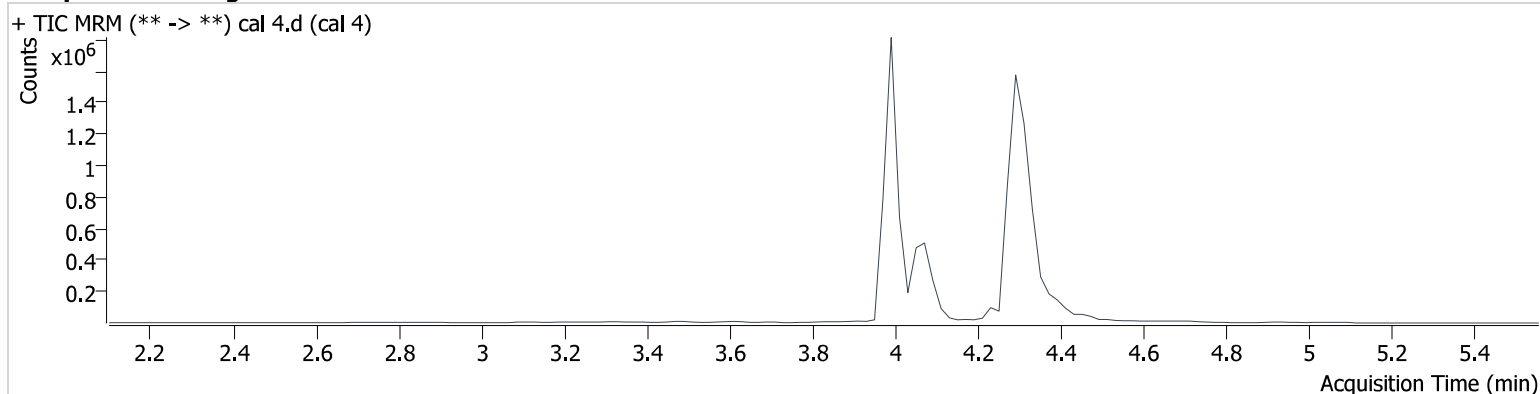
Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	4.405	13599	286360	5.028 ng/ml
THC-COOH	4.073	152833	646380	19.851 ng/ml
THC-OH	3.999	26935	3490874	4.872 ng/ml

# AM #26 Cannabinoids Screen Results

**Batch results** D:\MassHunter\Data\2023\am 25-26\102623\QuantResults\am26.batch.bin  
**Calibration Last Update** 10/27/2023 3:02:05 PM

<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>	10/27/2023 11:33:08 AM		
<b>Sample Info.</b>			

## Sample Chromatogram



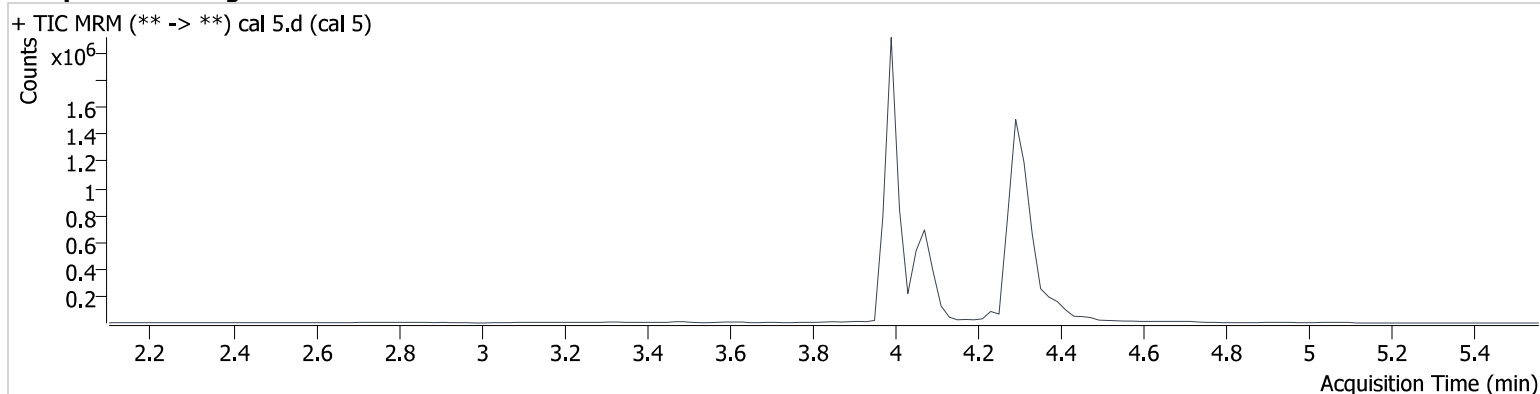
Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	4.405	26313	283714	9.599 ng/ml
THC-COOH	4.073	367024	619796	49.852 ng/ml
THC-OH	3.999	55113	3520788	9.846 ng/ml

# AM #26 Cannabinoids Screen Results

**Batch results** D:\MassHunter\Data\2023\am 25-26\102623\QuantResults\am26.batch.bin  
**Calibration Last Update** 10/27/2023 3:02:05 PM

<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>	10/27/2023 11:39:36 AM		
<b>Sample Info.</b>			

## Sample Chromatogram



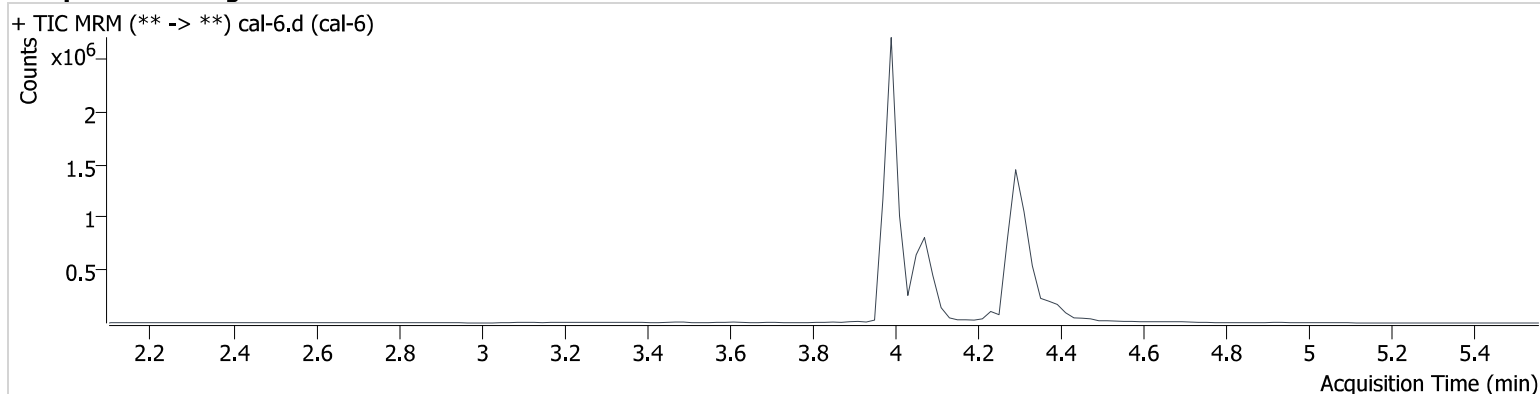
Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	4.405	71267	298008	24.386 ng/ml
THC-COOH	4.073	552669	603569	77.134 ng/ml
THC-OH	3.999	134839	3401730	24.876 ng/ml

# AM #26 Cannabinoids Screen Results

**Batch results** D:\MassHunter\Data\2023\am 25-26\102623\QuantResults\am26.batch.bin  
**Calibration Last Update** 10/27/2023 3:02:05 PM

<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>	10/27/2023 11:46:05 AM		
<b>Sample Info.</b>			

## Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	4.405	141297	292869	48.962 ng/ml
THC-COOH	4.073	701997	577417	102.442 ng/ml
THC-OH	3.999	277784	3487440	49.949 ng/ml

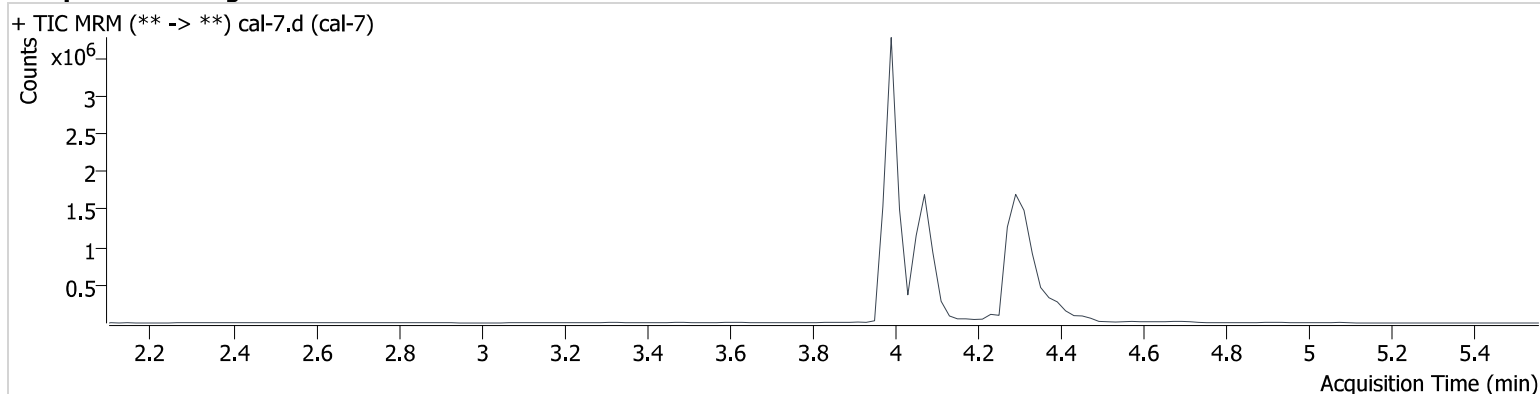


# AM #26 Cannabinoids Screen Results

**Batch results** D:\MassHunter\Data\2023\am 25-26\102623\QuantResults\am26.batch.bin  
**Calibration Last Update** 10/27/2023 3:02:05 PM

<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>	10/27/2023 11:52:33 AM		
<b>Sample Info.</b>			

## Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	4.405	265008	262967	102.019 ng/ml
THC-COOH	4.073	1629002	568769	241.455 ng/ml
THC-OH	3.999	543772	3393447	100.448 ng/ml