











**Worklist: 4978**

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
M2021-1694	3	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2021-1870	2	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2020-3105	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2020-3115	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2020-3795	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-1099	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-1105	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-1116	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-1254	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-1255	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-1256	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-1276	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-1278	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-1279	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-1280	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-1286	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-1314	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-1315	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-1317	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-1318	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-1357	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	

Worklist: 4978

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<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
P2021-1358	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-1359	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-1360	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-1361	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-1372	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-1373	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-1374	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-1405	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-1405	2	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-1405	3	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: 05/10/2021

Plate lot#: 201206

**Mobile phase A:** 10mM Amm Form

Instant Buffer I

**Blank Blood Lot:** Lampire 20L20723

**LCMS-QQQ ID:** 069901

Analyst: Celena Shrum

Plate Expiration: 06/06/2021

**Mobile phase B:** 0.1% Formic Acid in MeOH

Ethyl Acetate                      LC Methanol

**Column:** Phenomenex Phenyl Hexyl (4.6x50mm, 2.6um)

**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. Using a calibrated pipette, pipette **250µL blood** into wells of analytical (standards) plate. **Pipette ID: 42**
- 3. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- 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** mixture to corresponding wells of SLE+ plate.  
Amount transferred: 300µl
- 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: 067104*
- 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.
- 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:



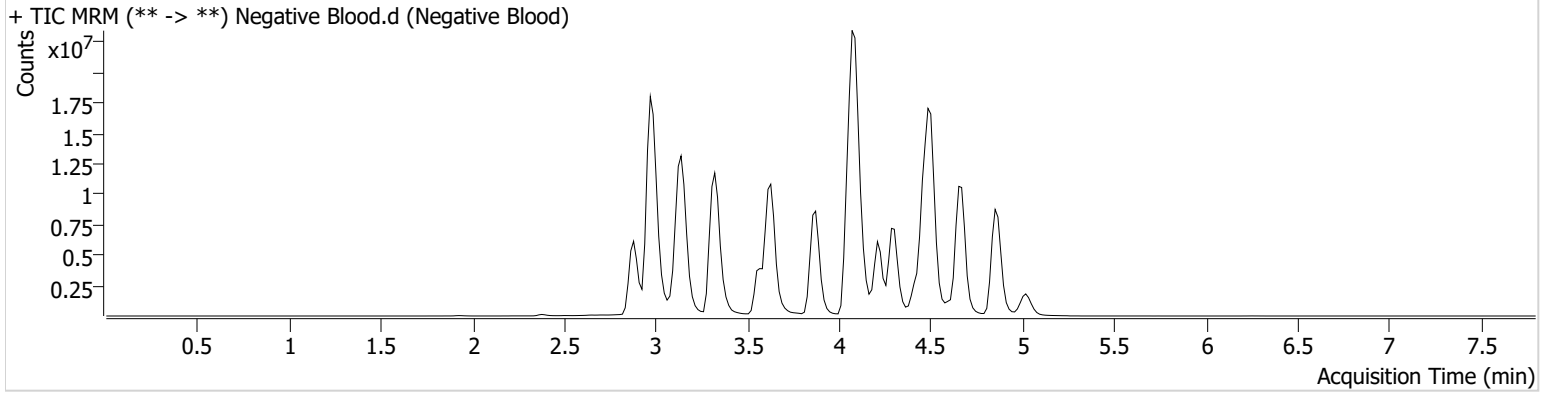
# AM #25 Multi-Drug Screen Results



**Batch results** D:\MassHunter\Data\2021\AM 25-26\051021 AM 25 26 CS\QuantResults\AM 25.batch.bin  
**Calibration Last Update** 5/14/2021 9:55:47 AM

<b>Instrument</b>	Falco (069901)	<b>Data File</b>	Negative Blood.d
<b>Type</b>	Sample	<b>Sample</b>	Negative Blood
<b>Acq. Method</b>	AM 25 MDS.m	<b>Operator</b>	Celena Shrum
<b>Sample Position</b>	P2-C1	<b>Comment</b>	
<b>Injection Volume</b>	5		
<b>Acq. Date-Time</b>	5/10/2021 10:09:51 PM		
<b>Sample Info.</b>			

## Sample Chromatogram



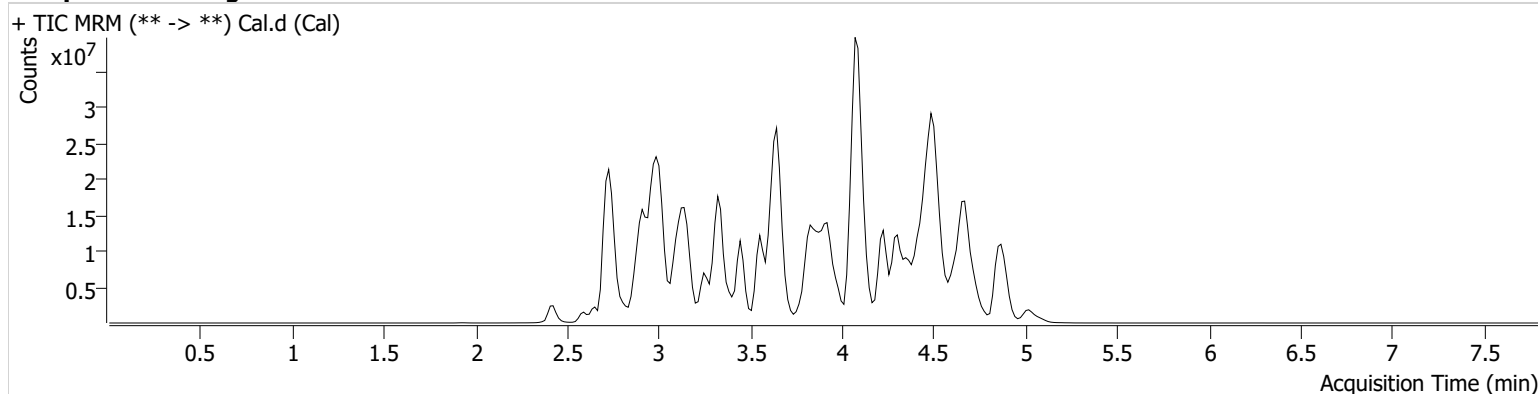
# AM #25 Multi-Drug Screen Results



**Batch results** D:\MassHunter\Data\2021\AM 25-26\051021 AM 25 26 CS\QuantResults\AM 25.batch.bin  
**Calibration Last Update** 5/14/2021 9:55:47 AM

<b>Instrument</b>	Falco (069901)	<b>Data File</b>	Cal.d
<b>Type</b>	Cal	<b>Sample</b>	Cal
<b>Acq. Method</b>	AM 25 MDS.m	<b>Operator</b>	Celena Shrum
<b>Sample Position</b>	P2-B1	<b>Comment</b>	
<b>Injection Volume</b>	5		
<b>Acq. Date-Time</b>	5/10/2021 10:01:16 PM		

## Sample Chromatogram



Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
6-MAM	3.029	128871	84713.64	38515.40	3420625	10.0000
7-aminoclonazepam	3.569	2450527	647.54	709.37	10779430	10.0000
7-aminoflunitrazepam	3.768	3901474	1046.33	245.81	10779430	10.0000
Acetyl Fentanyl	4.071	635613	164.63	479641.94	44124370	10.0000
Acetyl Norfentanyl	2.901	732384	11950.57	224.86	44124370	10.0000
a-hydroxyalprazolam	4.515	733545	6118.05	260.43	10779430	10.0000
alpha-hydroxymidazolam	4.606	4335436	756.18	419.94	10779430	10.0000
Alpha-PHP	3.926	7080657	10448.71	4090.35	44124370	10.0000
alpha-PVP	3.636	8449760	27528.87	1419.49	20694524	10.0000
Alprazolam	4.626	5978906	1397.88	1004.14	36757177	10.0000
Amitriptyline	4.507	934895	148.99	113.14	4660223	10.0000
Amphetamine	2.920	8639032	1864.39	1592.40	20694524	10.0000
Benzoylcegonine	3.369	498894	2820.75	29.58	854409	10.0000
Brompheniramine	4.072	156035	235.73	95.93	55947644	10.0000
Buprenorphine	5.075	1460364	2983.01	136756.76	6836687	10.0000
Bupropion	3.911	8817861	13026.54	976.45	30203371	10.0000
Carbamazepine	4.235	18252740	∞	1335.19	1077175	10.0000
Carisoprodol	4.233	2575024	339886.59	246.54	17034534	10.0000
Chlordiazepoxide	4.750	2263631	262.15	2118.55	36757177	10.0000
Chlorpheniramine	3.984	11233575	8925.63	29.26	55947644	10.0000
Citalopram	4.101	4716540	1117.12	177.41	55947644	10.0000
Clomipramine	4.717	1395970	6166.34	811.64	55947644	10.0000
Clonazepam	4.455	2312716	500.78	128459.47	36757177	10.0000
Clonazolam	4.375	3400126	126317.84	731716.77	36757177	10.0000
Cocaethylene	3.826	9555757	4713849.31	27561.70	41331936	10.0000
Cocaine	3.629	9407605	37581.45	849.71	41331936	10.0000
Codeine	2.957	695901	425.34	3566.29	20659859	10.0000
Cyclobenzaprine	4.416	1976041	4024966.70	47.60	4660223	10.0000
Desipramine	4.401	3219194	15134.48	373.07	4660223	10.0000
Dextromethorphan	4.124	3253887	257.24	632.19	16973266	10.0000
Dextrorphan	3.403	4959316	937.88	371.92	16973266	10.0000
Diazepam	4.859	1822160	538.23	5433.54	36757177	10.0000
Dihydrocodeine	2.820	1942203	678.44	470.20	20659859	10.0000
Diphenhydramine	4.064	14126395	2845.61	615.60	55947644	10.0000

Cal

# AM #25 Multi-Drug Screen Results



Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
Doxepin	4.214	2125627	429.85	73.72	33699481	10.0000
Doxylamine	3.662	18962262	165.12	12456.00	16973266	10.0000
EDDP	4.092	2845907	1034.98	504.06	6343098	10.0000
Estazolam	4.535	11243885	1792.04	41439.43	36757177	10.0000
Etizolam	4.636	803840	701477.54	1641315.46	36757177	10.0000
Fentanyl	4.300	366878	101.87	58238.96	26394039	10.0000
Flualprazolam	4.484	1982271	81988.49	1468414.63	36757177	10.0000
Flunitrazepam	4.564	5062519	1895.05	1192.41	36757177	10.0000
Fluoxetine	4.350	1162653	1065.09	360.59	2374846	10.0000
Flurazepam	4.359	7302806	616.42	883728.52	36757177	10.0000
Hydrocodone	3.155	2803849	410.78	788.76	20659859	10.0000
Hydromorphone	2.594	2549202	4849.38	3309.41	357665	10.0000
Imipramine	4.460	4575748	727.09	486.82	4660223	10.0000
Ketamine	3.819	7753854	802.51	157.04	27800455	10.0000
Lamotrigine	3.633	534454	1960.60	10627.65	55947644	10.0000
Levamisole	3.100	5375510	513.80	2090.19	41331936	10.0000
Levetiracetam	2.659	2360970	760.11	1068.00	55947644	10.0000
Lorazepam	4.439	1059443	888.04	∞	36757177	10.0000
Maprotiline	4.415	214143	13.54	41.46	4660223	10.0000
MDA	3.025	5762932	450.06	466.81	41024555	10.0000
MDEA	3.253	8525665	5790.97	463.92	41024555	10.0000
MDMA	3.101	10783880	1578.78	382.35	41024555	10.0000
Meperidine	3.665	5102309	844.54	322.91	16973266	10.0000
Meprobamate	3.668	1746868	552.64	301.17	17034534	10.0000
Methadone	4.410	9153995	5132.26	2250.52	6343098	10.0000
Methamphetamine	3.011	12438963	390.32	416.52	41024555	10.0000
Methocarbamol	3.573	1014703	502.56	3889.47	6343098	10.0000
Methylphenidate	3.543	19421637	870.77	586.08	33061254	10.0000
Metoprolol	3.448	1281605	919.88	1430.98	16973266	10.0000
Midazolam	4.776	1094242	601.11	918.77	36757177	10.0000
Mirtazapine	4.309	5621004	6059.84	21179.54	16973266	10.0000
Mitragynine	4.358	717332	283109.55	913680.47	16973266	10.0000
Morphine	2.412	545281	∞	298.20	357665	10.0000
Norbuprenorphine	3.868	141197	65298.41	82880.83	6836687	10.0000
Nordiazepam	4.707	2662973	747.69	919.60	36757177	10.0000
Norfentanyl	3.344	13548030	11328.59	191.70	44124370	10.0000
Norhydrocodone	2.944	83801	98.82	24.31	357665	10.0000
Norketamine	3.928	1548746	307.81	6441.49	27800455	10.0000
Normeperidine	3.621	4060128	681.27	867.68	55947644	10.0000
Noroxycodone	2.896	2466803	195.16	173.40	27800455	10.0000
Nortriptyline	4.448	714556	711.88	245.00	4660223	10.0000
O-desmethyl-tramadol	2.930	14297570	3753.38	256.94	55947644	10.0000
Olanzapine	3.965	836616	471990.30	663.19	1077175	10.0000
Oxazepam	4.521	4734185	1159.98	355.10	21273093	10.0000
Oxycodone	3.000	5511523	757.21	1759.44	27800455	10.0000
Oxymorphone	2.423	2668797	486.93	465.69	357665	10.0000
Paroxetine	4.377	189240	119.29	46977.66	2374846	10.0000
Phenazepam	4.651	4345587	3149.62	2453.93	36757177	10.0000
Phencyclidine	3.941	9740088	9276.82	797.77	16973266	10.0000
Phentermine	3.179	2842178	311.90	14.89	33061254	10.0000
Phenytoin	4.126	1949994	738.15	1194.29	1077175	10.0000
Promethazine	4.444	5550635	2460.08	509.42	55947644	10.0000
Pseudoephedrine	2.736	65612097	24814.23	3974.58	41024555	10.0000
Quetiapine	4.696	6869738	1747.29	2509596.10	50865355	10.0000
Sertraline	4.611	419165	357884.89	304.24	2374846	10.0000
Sufentanil	4.726	305761	185901.75	302.77	44124370	10.0000
Tapentadol	3.453	10453740	2458.17	13285.61	27800455	10.0000
Temazepam	4.673	8393724	752.53	369.85	36757177	10.0000
Tramadol	3.449	16749447	106078.07	149.80	55947644	10.0000
Trazodone	4.894	7889784	4216.94	688.34	33699481	10.0000

Cal

# AM #25 Multi-Drug Screen Results



Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
Venlafaxine	3.815	12926969	238595.44	329.22	2374846	10.0000
Zaleplon	4.351	4622262	186607.60	3252.98	50865355	10.0000
Zolpidem	4.488	18860127	9236.39	1663.82	50865355	10.0000
Zopiclone	4.420	1541082	810631.24	621746.32	8252754	10.0000



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

Extraction Date: 05/10/2021

Analyst: Celena Shrum

Plate lot#: IDP-108-2-210412

Plate Expiration: 10/12/2021

Mobile phase A: 0.1% Formic Acid in LCMS Water

Mobile phase B: 0.1% Formic acid in Acetonitrile

Blank Blood Lot: Lampire 20L20723

Column: Phenomenex Phenyl Hexyl (4.6x50mm, 2.6um)

LCMS-QQQ ID: 069901

## 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. Using a calibrated pipette, add **1000µl blood (calibrated pipette)** into the appropriate wells of analytical (standards) plate. **Pipette ID: #42**
- 3. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- 4. Pipette **500µL 0.1% formic acid in water blood sample** of analytical plate.
- 5. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- 6. Transfer **800µL of blood+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: 067104
- 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. **SPE Dry ID: 067103**
- 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<sup>2</sup> 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: P2021-1405-2 and P2021-1099-1 had to be reinjected due to low ISTD responses. An incorrect sample position was specified for P2021-1405-3. This was discovered and the sample was reinjected with no issues.

	1	2	3	4	5	6
a	cal 1ng	Blood NC	P2021-1254-1	P2021-1314-1	P2021-1361-1	
b	cal 3 ng	M2021-1694-3	P2021-1255-1	P2021-1315-1	P2021-1372-1	
c	cal 5 ng	P2020-3105-1	P2021-1256-1	P2021-1317-1	P2021-1373-1	
d	cal 10ng	P2020-3115-1	P2021-1276-1	P2021-1318-1	P2021-1374-1	
e	cal 25 ng	P2020-3795-1	P2021-1278-1	P2021-1357-1	P2021-1405-1	
f	cal 50 ng	P2021-1099-1	P2021-1279-1	P2021-1358-1	P2021-1405-2	
g	cal 100 ng	P2021-1105-1	P2021-1280-1	P2021-1359-1	P2021-1405-3	
h	QC 1	P2021-1116-1	P2021-1286-1	P2021-1360-1	P2021-1870-2	

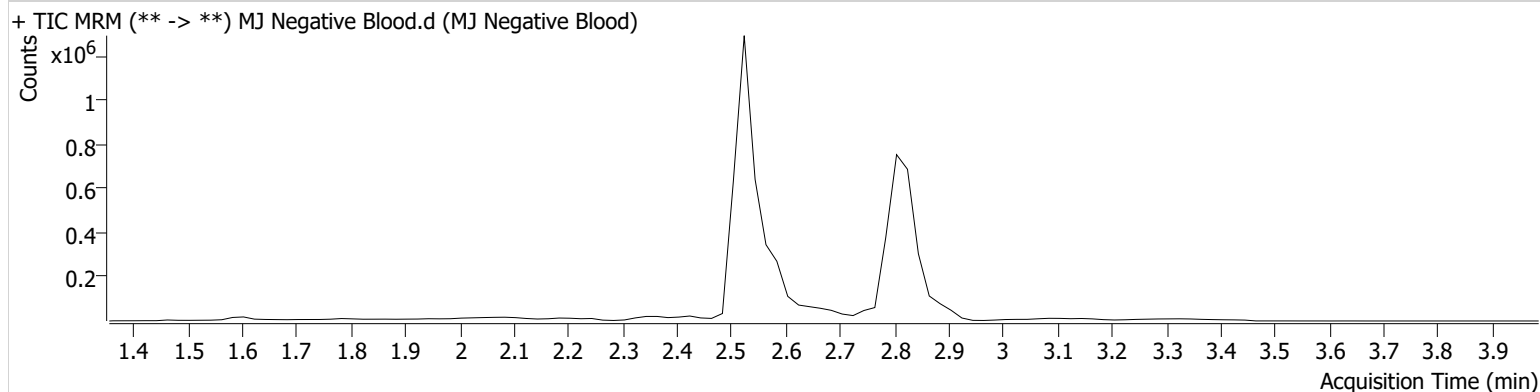
# AM #26 Cannabinoids Screen Results



**Batch results** D:\MassHunter\Data\2021\AM 25-26\051021 AM 25 26 CS\QuantResults\AM 26.batch.bin  
**Calibration Last Update** 5/14/2021 9:57:16 AM

<b>Instrument</b>	Falco (069901)	<b>Data File</b>	MJ Negative Blood.d
<b>Type</b>	Sample	<b>Sample</b>	MJ Negative Blood
<b>Acq. Method</b>	AM 26 THCS.m	<b>Operator</b>	Celena Shrum
<b>Sample Position</b>	P1-A2	<b>Comment</b>	
<b>Injection Volume</b>	10		
<b>Acq. Date-Time</b>	5/10/2021 4:11:01 PM		
<b>Sample Info.</b>			

## Sample Chromatogram



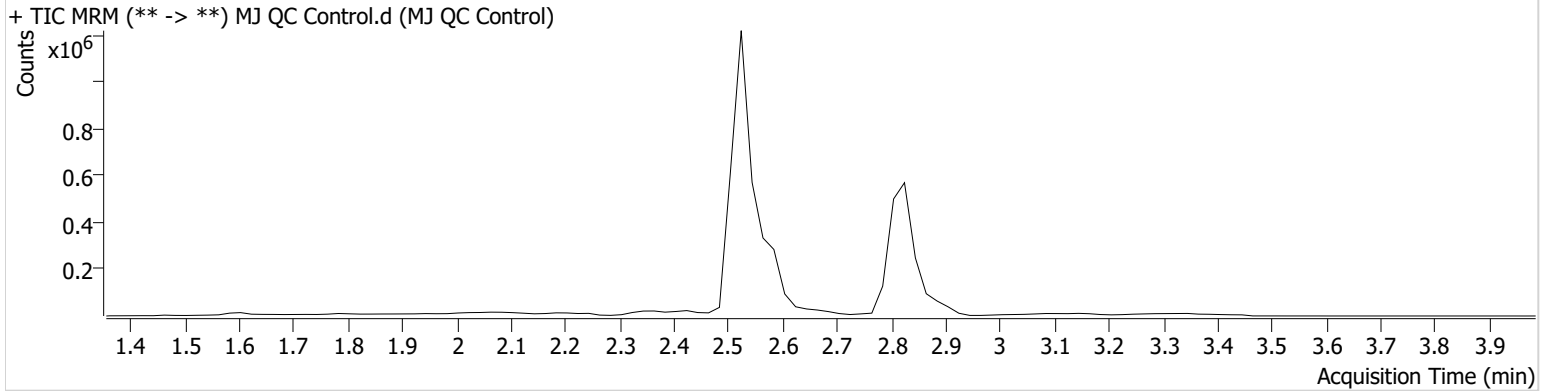
# AM #26 Cannabinoids Screen Results



**Batch results** D:\MassHunter\Data\2021\AM 25-26\051021 AM 25 26 CS\QuantResults\AM 26.batch.bin  
**Calibration Last Update** 5/14/2021 9:57:16 AM

<b>Instrument</b>	Falco (069901)	<b>Data File</b>	MJ QC Control.d
<b>Type</b>	Sample	<b>Sample</b>	MJ QC Control
<b>Acq. Method</b>	AM 26 THCS.m	<b>Operator</b>	Celena Shrum
<b>Sample Position</b>	P1-H1	<b>Comment</b>	
<b>Injection Volume</b>	10		
<b>Acq. Date-Time</b>	5/10/2021 3:57:56 PM		
<b>Sample Info.</b>			

## Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	2.879	3209	59799	4.9294 ng/ml
THC-COOH	2.587	104207	451517	17.2050 ng/ml
THC-OH	2.534	24391	2636442	4.7979 ng/ml

# AM #26 Cannabinoids Screen Results

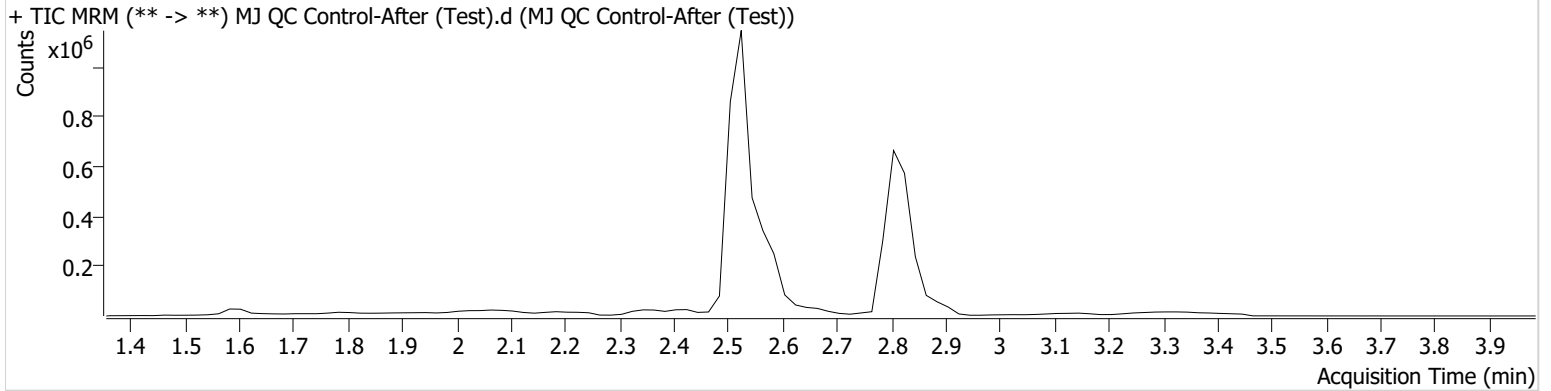


**Batch results** D:\MassHunter\Data\2021\AM 25-26\051021 AM 25 26 CS\QuantResults\AM 26.batch.bin  
**Calibration Last Update** 5/14/2021 9:57:16 AM

<b>Instrument</b>	Falco (069901)	<b>Data File</b>	MJ QC Control-After (Test).d
<b>Type</b>	Sample	<b>Sample</b>	MJ QC Control-After (Test)
<b>Acq. Method</b>	AM 26 THCS.m	<b>Operator</b>	Celena Shrum
<b>Sample Position</b>	P1-H1	<b>Comment</b>	
<b>Injection Volume</b>	10		
<b>Acq. Date-Time</b>	5/10/2021 9:15:00 PM		

**Sample Info.**

## Sample Chromatogram

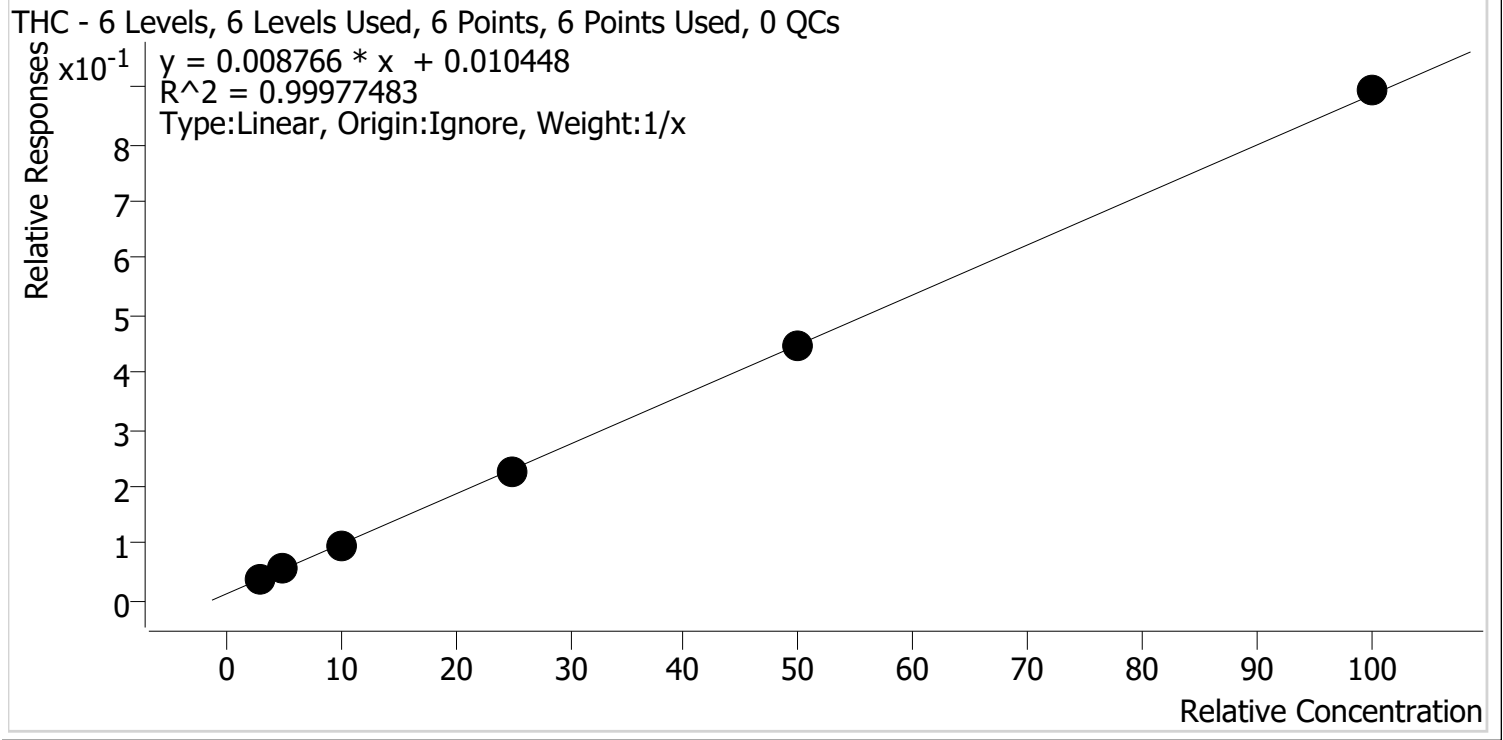


Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	2.859	3134	51345	5.7711 ng/ml
THC-COOH	2.587	93517	508357	13.5982 ng/ml
THC-OH	2.534	23236	2714816	4.4078 ng/ml



# AM #26 Cannabinoids Screen Calibration Curve Report

**Batch results** D:\MassHunter\Data\2021\AM 25-26\051021 AM 25 26 CS\QuantResults\AM 26.batch.bin  
**Last Cal. Update** 5/14/2021 9:57 AM  
**Analyst Name** ISP\datastor  
**Analyte** THC **Internal Standard** THC-D3

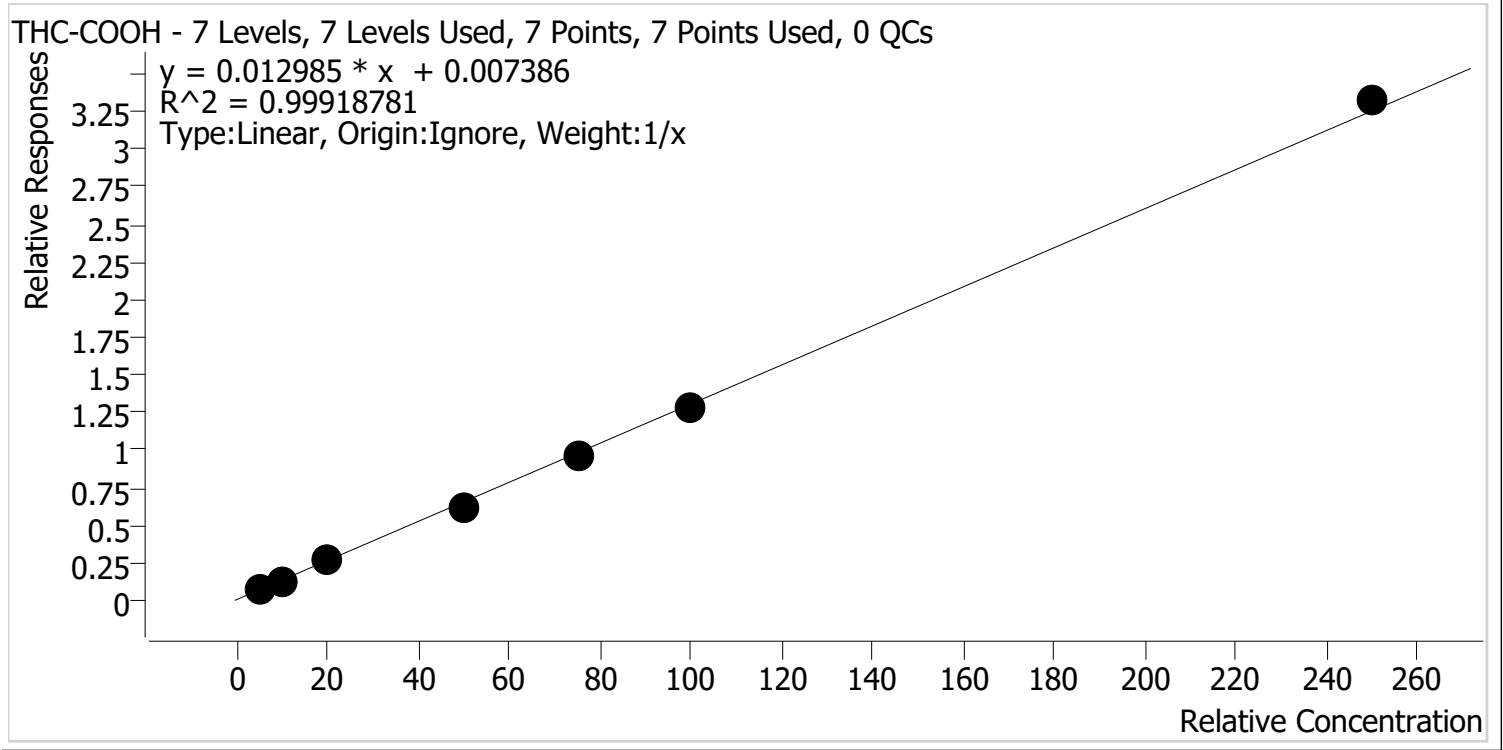


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
MJ Cal 2	2	✓	3.0	3.1	103.6
MJ Cal 3	3	✓	5.0	5.1	101.2
MJ Cal 4	4	✓	10.0	9.6	96.4
MJ Cal 5	5	✓	25.0	24.6	98.5
MJ Cal 6	6	✓	50.0	49.7	99.5
MJ Cal 7	7	✓	100.0	100.8	100.8



# AM #26 Cannabinoids Screen Calibration Curve Report

**Batch results** D:\MassHunter\Data\2021\AM 25-26\051021 AM 25 26 CS\QuantResults\AM 26.batch.bin  
**Last Cal. Update** 5/14/2021 9:57 AM  
**Analyst Name** ISP\datastor  
**Analyte** THC-COOH **Internal Standard** THC-COOH-D9

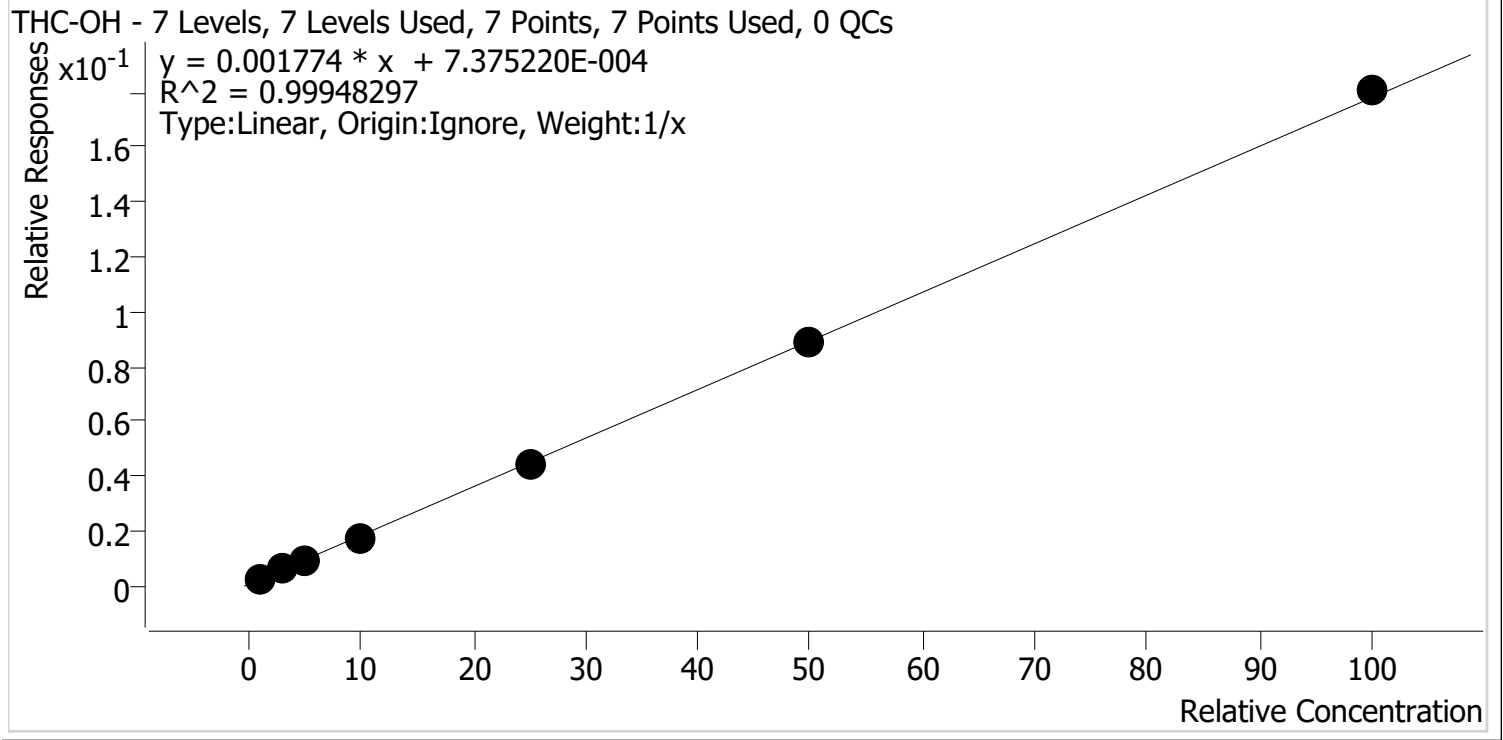


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
MJ Cal 1	1	✓	5.0	5.4	108.3
MJ Cal 2	2	✓	10.0	9.8	98.2
MJ Cal 3	3	✓	20.0	19.9	99.6
MJ Cal 4	4	✓	50.0	47.6	95.2
MJ Cal 5	5	✓	75.0	73.8	98.5
MJ Cal 6	6	✓	100.0	98.1	98.1
MJ Cal 7	7	✓	250.0	255.3	102.1



# AM #26 Cannabinoids Screen Calibration Curve Report

**Batch results** D:\MassHunter\Data\2021\AM 25-26\051021 AM 25 26 CS\QuantResults\AM 26.batch.bin  
**Last Cal. Update** 5/14/2021 9:57 AM  
**Analyst Name** ISP\datastor  
**Analyte** THC-OH **Internal Standard** THC-OH-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
MJ Cal 1	1	✓	1.0	1.1	109.8
MJ Cal 2	2	✓	3.0	3.1	102.2
MJ Cal 3	3	✓	5.0	4.7	94.0
MJ Cal 4	4	✓	10.0	9.6	95.5
MJ Cal 5	5	✓	25.0	24.4	97.6
MJ Cal 6	6	✓	50.0	49.8	99.5
MJ Cal 7	7	✓	100.0	101.4	101.4



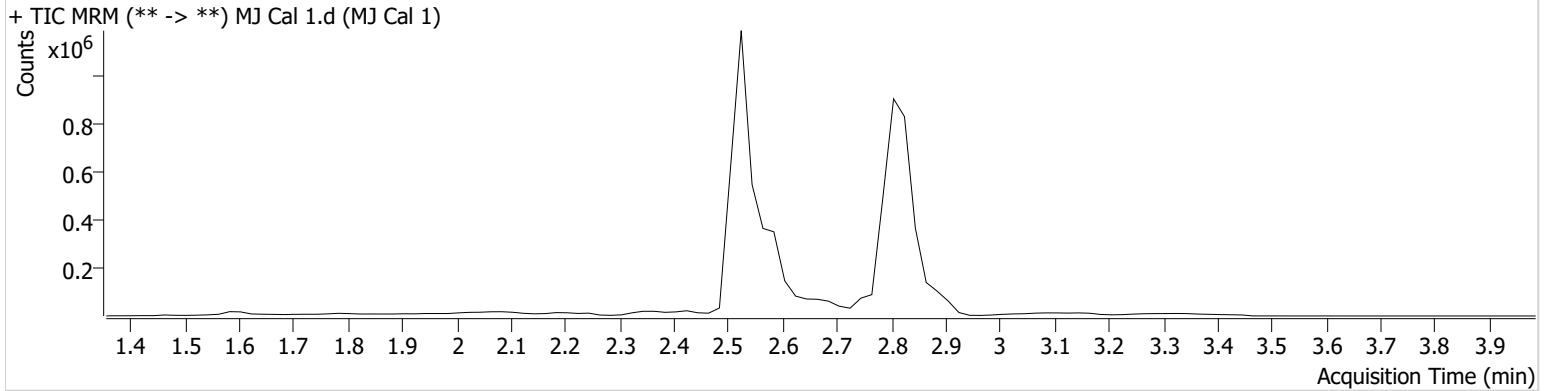
# AM #26 Cannabinoids Screen Results



**Batch results** D:\MassHunter\Data\2021\AM 25-26\051021 AM 25 26 CS\QuantResults\AM 26.batch.bin  
**Calibration Last Update** 5/14/2021 9:57:16 AM

<b>Instrument</b>	Falco (069901)	<b>Data File</b>	MJ Cal 1.d
<b>Type</b>	Cal	<b>Sample</b>	MJ Cal 1
<b>Acq. Method</b>	AM 26 THCS.m	<b>Operator</b>	Celena Shrum
<b>Sample Position</b>	P1-A1	<b>Comment</b>	
<b>Injection Volume</b>	10		
<b>Acq. Date-Time</b>	5/10/2021 3:12:08 PM		

## Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC-COOH	2.587	53833	692952	5.4140 ng/ml
THC-OH	2.534	7373	2745256	1.0979 ng/ml <b>Low</b>

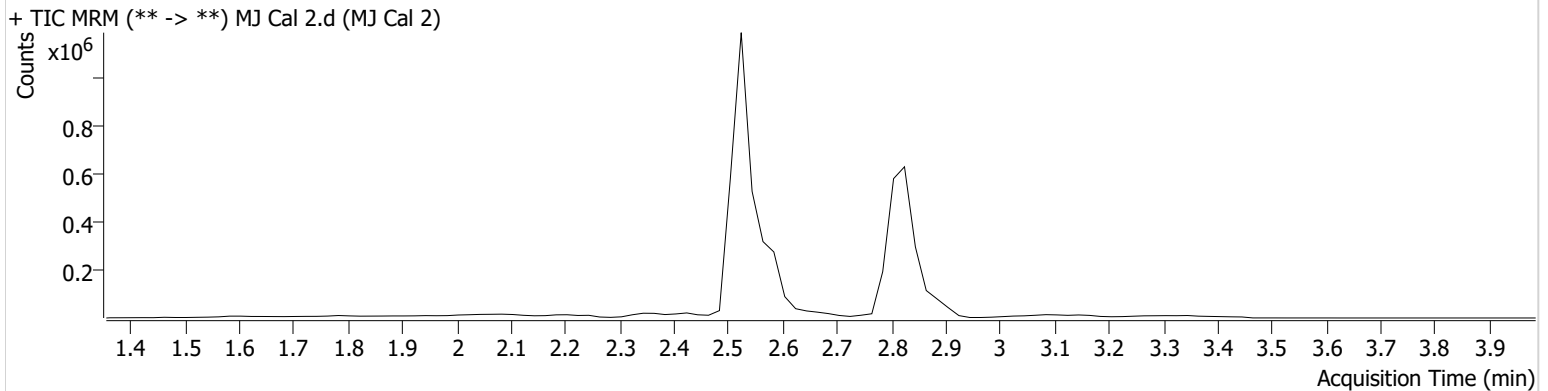


# AM #26 Cannabinoids Screen Results

**Batch results** D:\MassHunter\Data\2021\AM 25-26\051021 AM 25 26 CS\QuantResults\AM 26.batch.bin  
**Calibration Last Update** 5/14/2021 9:57:16 AM

**Instrument** Falco (069901) **Data File** MJ Cal 2.d  
**Type** Cal **Sample** MJ Cal 2  
**Acq. Method** AM 26 THCS.m **Operator** Celena Shrum  
**Sample Position** P1-B1 **Comment**  
**Injection Volume** 10  
**Acq. Date-Time** 5/10/2021 3:18:49 PM  
**Sample Info.**

### Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	2.879	2573	68244	3.1090 ng/ml
THC-COOH	2.587	70878	525639	9.8156 ng/ml
THC-OH	2.534	16001	2590385	3.0654 ng/ml

# AM #26 Cannabinoids Screen Results

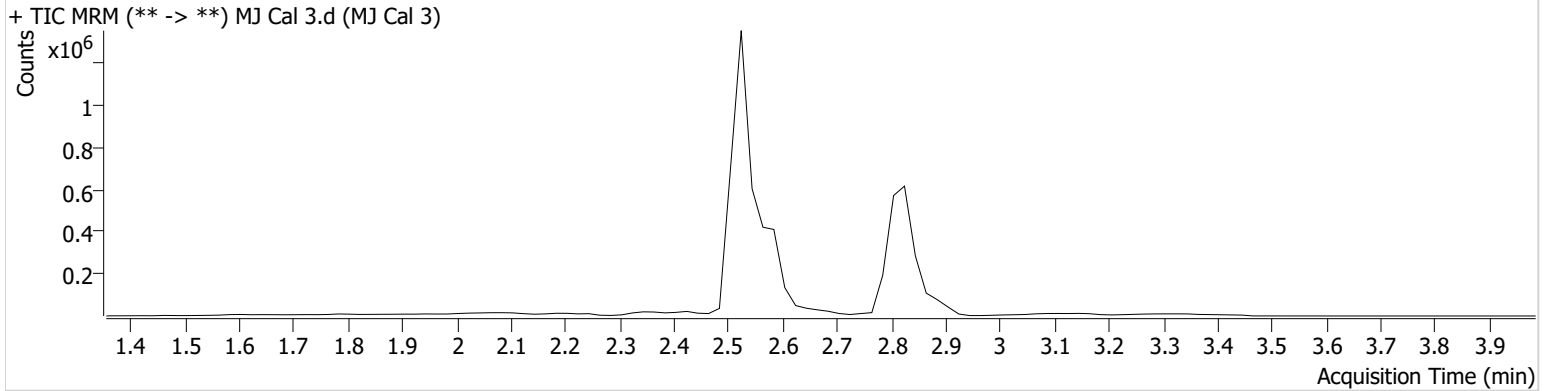


**Batch results** D:\MassHunter\Data\2021\AM 25-26\051021 AM 25 26 CS\QuantResults\AM 26.batch.bin  
**Calibration Last Update** 5/14/2021 9:57:16 AM

<b>Instrument</b>	Falco (069901)	<b>Data File</b>	MJ Cal 3.d
<b>Type</b>	Cal	<b>Sample</b>	MJ Cal 3
<b>Acq. Method</b>	AM 26 THCS.m	<b>Operator</b>	Celena Shrum
<b>Sample Position</b>	P1-C1	<b>Comment</b>	
<b>Injection Volume</b>	10		
<b>Acq. Date-Time</b>	5/10/2021 3:25:21 PM		

**Sample Info.**

## Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	2.859	3910	71346	5.0599 ng/ml
THC-COOH	2.587	168149	631809	19.9270 ng/ml
THC-OH	2.534	26429	2911759	4.6995 ng/ml

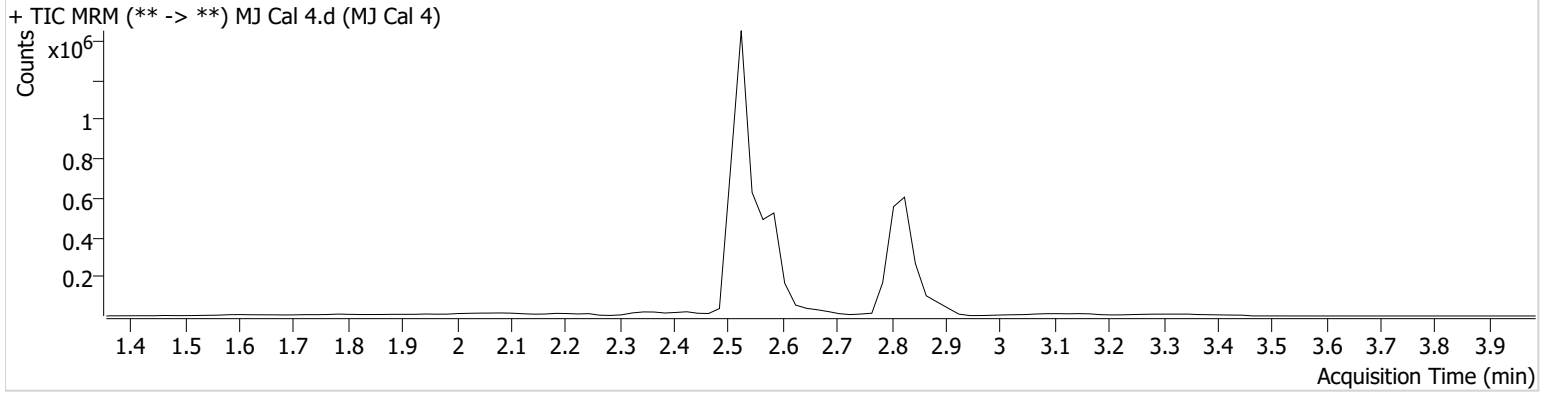
# AM #26 Cannabinoids Screen Results



**Batch results** D:\MassHunter\Data\2021\AM 25-26\051021 AM 25 26 CS\QuantResults\AM 26.batch.bin  
**Calibration Last Update** 5/14/2021 9:57:16 AM

<b>Instrument</b>	Falco (069901)	<b>Data File</b>	MJ Cal 4.d
<b>Type</b>	Cal	<b>Sample</b>	MJ Cal 4
<b>Acq. Method</b>	AM 26 THCS.m	<b>Operator</b>	Celena Shrum
<b>Sample Position</b>	P1-D1	<b>Comment</b>	
<b>Injection Volume</b>	10		
<b>Acq. Date-Time</b>	5/10/2021 3:31:52 PM		

## Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	2.879	6376	67171	9.6367 ng/ml
THC-COOH	2.587	312378	499170	47.6247 ng/ml
THC-OH	2.534	51361	2903988	9.5514 ng/ml

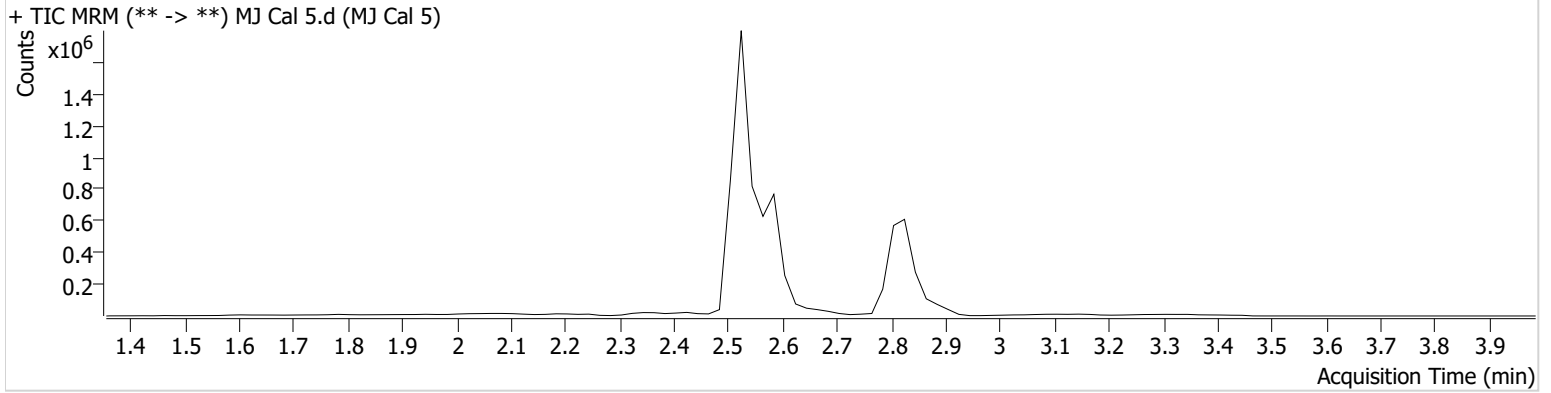
# AM #26 Cannabinoids Screen Results



**Batch results** D:\MassHunter\Data\2021\AM 25-26\051021 AM 25 26 CS\QuantResults\AM 26.batch.bin  
**Calibration Last Update** 5/14/2021 9:57:16 AM

<b>Instrument</b>	Falco (069901)	<b>Data File</b>	MJ Cal 5.d
<b>Type</b>	Cal	<b>Sample</b>	MJ Cal 5
<b>Acq. Method</b>	AM 26 THCS.m	<b>Operator</b>	Celena Shrum
<b>Sample Position</b>	P1-E1	<b>Comment</b>	
<b>Injection Volume</b>	10		
<b>Acq. Date-Time</b>	5/10/2021 3:38:23 PM		
<b>Sample Info.</b>			

## Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	2.879	15715	69439	24.6252 ng/ml
THC-COOH	2.587	509365	527167	73.8421 ng/ml
THC-OH	2.534	131595	2989708	24.3892 ng/ml

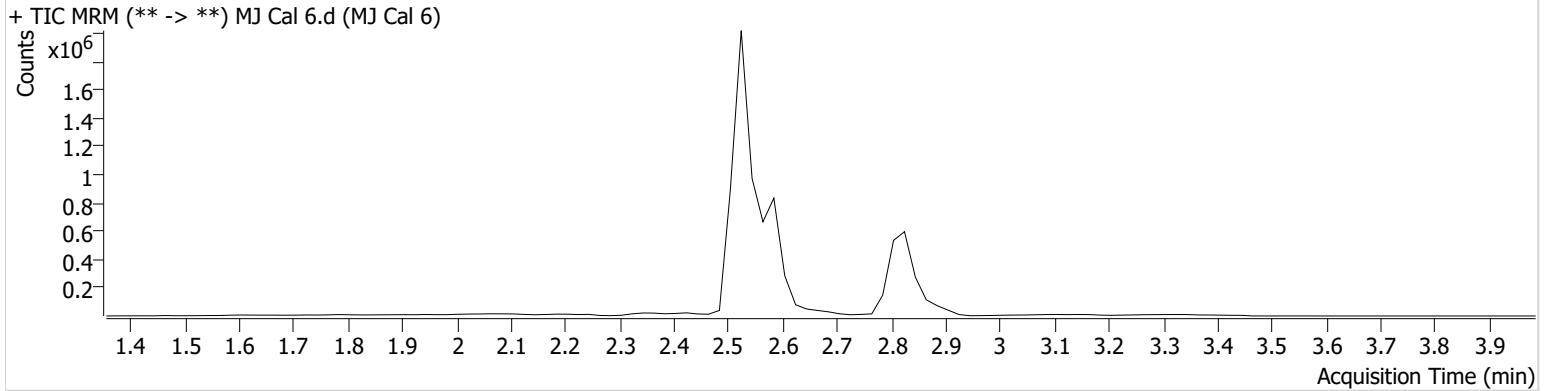


# AM #26 Cannabinoids Screen Results

**Batch results** D:\MassHunter\Data\2021\AM 25-26\051021 AM 25 26 CS\QuantResults\AM 26.batch.bin  
**Calibration Last Update** 5/14/2021 9:57:16 AM

**Instrument** Falco (069901) **Data File** MJ Cal 6.d  
**Type** Cal **Sample** MJ Cal 6  
**Acq. Method** AM 26 THCS.m **Operator** Celena Shrum  
**Sample Position** P1-F1 **Comment**  
**Injection Volume** 10  
**Acq. Date-Time** 5/10/2021 3:44:54 PM  
**Sample Info.**

## Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	2.879	28656	64194	49.7321 ng/ml
THC-COOH	2.587	592445	462299	98.1228 ng/ml
THC-OH	2.534	234186	2629652	49.7713 ng/ml

# AM #26 Cannabinoids Screen Results

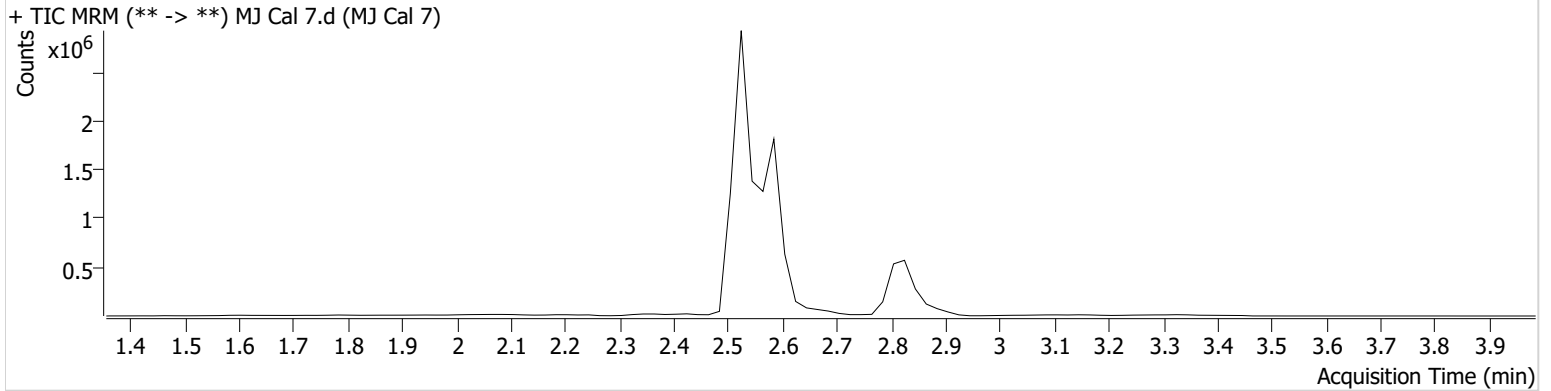


**Batch results** D:\MassHunter\Data\2021\AM 25-26\051021 AM 25 26 CS\QuantResults\AM 26.batch.bin  
**Calibration Last Update** 5/14/2021 9:57:16 AM

<b>Instrument</b>	Falco (069901)	<b>Data File</b>	MJ Cal 7.d
<b>Type</b>	Cal	<b>Sample</b>	MJ Cal 7
<b>Acq. Method</b>	AM 26 THCS.m	<b>Operator</b>	Celena Shrum
<b>Sample Position</b>	P1-G1	<b>Comment</b>	
<b>Injection Volume</b>	10		
<b>Acq. Date-Time</b>	5/10/2021 3:51:25 PM		

**Sample Info.**

## Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	2.879	54136	60529	100.8372 ng/ml
THC-COOH	2.587	1518847	457226	255.2538 ng/ml
THC-OH	2.534	469545	2598262	101.4253 ng/ml