





**Worklist: 5164**

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
M2021-3215	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2021-3226	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2021-3227	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2021-3229	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2021-3322	2	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2021-3325	3	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2021-3334	2	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-2190	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-2205	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-2206	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-2282	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-2358	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-2526	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-2546	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-2547	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-2551	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-2561	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-2562	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-2563	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-2573	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-2587	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	

**Worklist: 5164**

SC

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
P2021-2592	3	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-2593	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-2616	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-2641	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	

SC

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

Extraction Date: 08/09/21  
Plate lot#: IDP-120-210611

Analyst: Sarah Collins  
Retest Date: 12/11/21

**Mobile phase A:** 10mM Amm Form  
Instant Buffer I

**Blank Blood Lot:** Lampire 20L20724  
**LCMS-QQQ ID:** 069901

**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. 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: #16**
- 4. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- 5. Pipette **250µL 0.5 M ammonium hydroxide** in wells of analytical plate.
- 6. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- 7. Transfer **200-450µL of blood+base and urine+base (if applicable)** mixture to corresponding wells of SLE+ plate.  
Amount transferred: 300 uL
- 8. 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).**
- 9. Wait 5 minutes.
- 10. Add **900uL ethyl acetate.**
- 11. Wait 5 minutes.
- 12. Apply positive pressure for approx. 15 seconds. **(10-15 PSI- Selector to the left).**
- 13. Add **900uL ethyl acetate.**
- 14. Wait 5 minutes.
- 15. Apply positive pressure for approx. 15 seconds. **(10-15 PSI- Selector to the left).**
- 16. Remove plate containing eluate. Place on SPE Dry and evaporate to dryness at approx. 35°C. If run contains urine, add 50µL 1% HCl in MeOH to wells and place plate cover on plate before drying.
- 17. 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:

SC

	1	2	3	4	5	6	7	8	9	10	11	12
A	IS + Cal. 1									p2021-2587-1	p2021-2526-1	m2021-3322-2
B	IS + Cal. 1									p2021-2573-1	p2021-2358-1	m2021-3229-1
C										p2021-2563-1	p2021-2282-1	m2021-3227-1
D										p2021-2562-1	p2021-2206-1	m2021-3226-1
E									p2021-2641-1	p2021-2561-1	p2021-2205-1	m2021-3215-1
F									p2021-2616-1	p2021-2551-1	p2021-2190-1	negative blood
G									p2021-2593-1	p2021-2547-1	m2021-3334-2	IS + Cal. 1
H									p2021-2592-3	p2021-2546-1	m2021-3325-3	IS + Cal. 1



SC

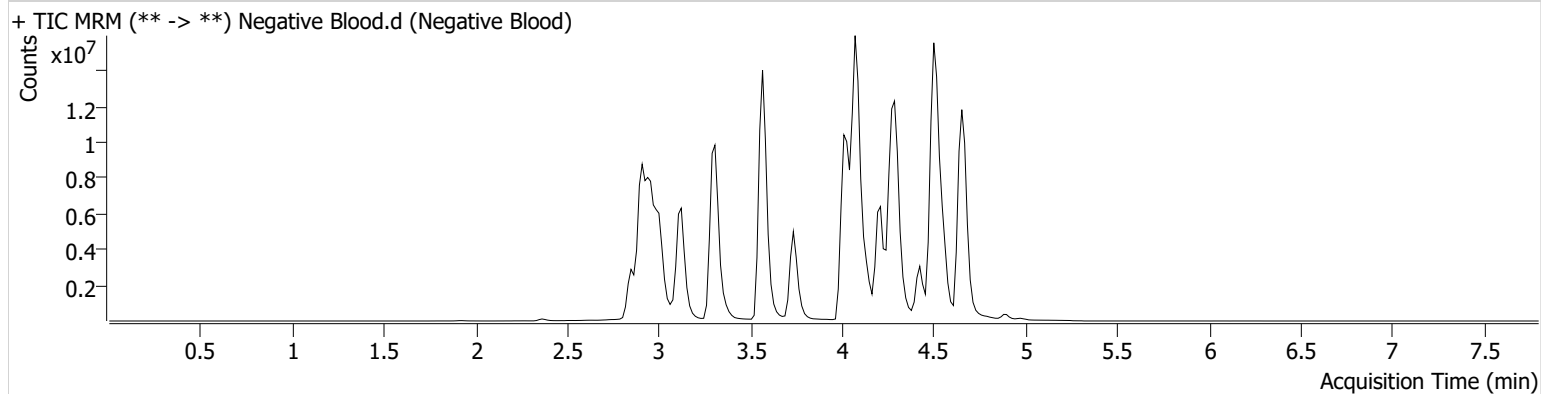


# AM #25 Multi-Drug Screen Results

**Batch results** D:\MassHunter\Data\2021\AM 25-26\080921 AM 25 26 SC\QuantResults\AM 25.batch.bin  
**Calibration Last Update** 8/10/2021 1:18:45 PM

<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>	Sarah Collins
<b>Sample Position</b>	P2-F12	<b>Comment</b>	
<b>Injection Volume</b>	5		
<b>Acq. Date-Time</b>	8/9/2021 7:50:56 PM		
<b>Sample Info.</b>			

## Sample Chromatogram



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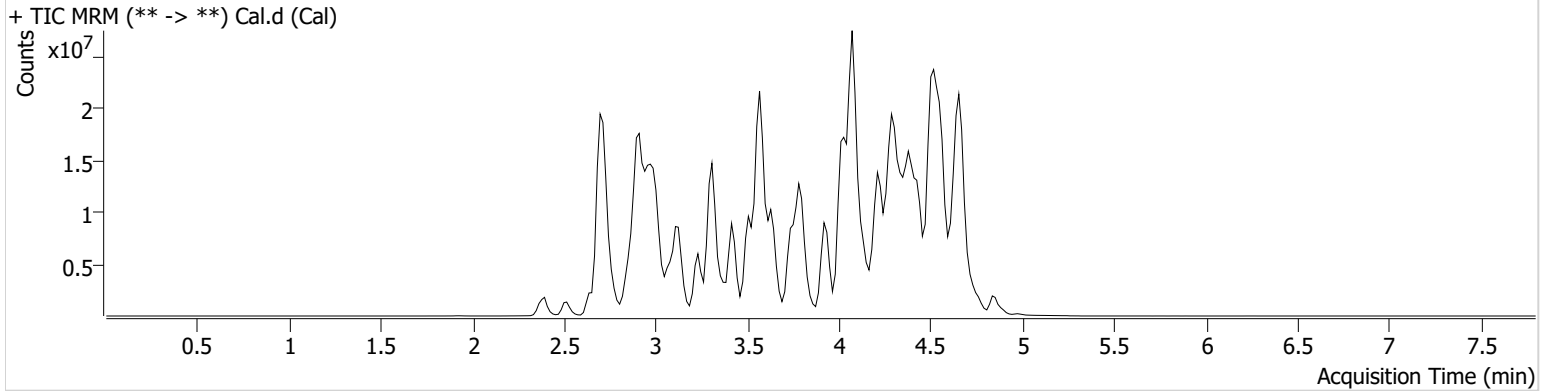


# AM #25 Multi-Drug Screen Results

**Batch results** D:\MassHunter\Data\2021\AM 25-26\080921 AM 25 26 SC\QuantResults\AM 25.batch.bin  
**Calibration Last Update** 8/10/2021 1:18:45 PM

<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>	Sarah Collins
<b>Sample Position</b>	P2-H12	<b>Comment</b>	
<b>Injection Volume</b>	5		
<b>Acq. Date-Time</b>	8/9/2021 7:42:21 PM		

**Sample Chromatogram**



Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
6-MAM	2.922	95638	78475.13	46256.39	3070661	10.0000
7-aminoclonazepam	3.584	1785829	739278.30	239.26	12649062	10.0000
7-aminoflunitrazepam	3.783	5235018	8947.80	2199.93	12649062	10.0000
Acetyl Fentanyl	3.856	457068	303.68	156946.00	35268141	10.0000
Acetyl Norfentanyl	2.886	543394	1828.61	202.09	35268141	10.0000
a-hydroxyalprazolam	4.515	629998	58.51	799.16	12649062	10.0000
alpha-hydroxymidazolam	4.591	2863809	276.91	1120.40	12649062	10.0000
Alpha-PHP	3.819	4298233	4617.73	8380.70	35268141	10.0000
alpha-PVP	3.544	6399010	1189.47	2421.19	10466519	10.0000
Alprazolam	4.626	5325825	382.26	626.05	37308940	10.0000
Amitriptyline	4.431	2796058	131.87	249.51	11355803	10.0000
Amphetamine	2.890	4320557	2365.12	5484.42	10466519	10.0000
Benzoylcegonine	3.385	497698	3799.53	200.69	886071	10.0000
Brompheniramine	4.026	136853	82664.52	1162.23	44761226	10.0000
Buprenorphine	4.542	1187804	884866.47	105956.60	4679059	10.0000
Bupropion	3.758	4935473	546.64	582.19	19041749	10.0000
Carbamazepine	4.234	20082735	∞	∞	1353081	10.0000
Carisoprodol	4.217	2928491	530.67	268.79	17240856	10.0000
Chlordiazepoxide	4.735	2121010	243.14	1096.03	37308940	10.0000
Chlorpheniramine	3.939	8426228	3281.19	30.88	44761226	10.0000
Citalopram	4.055	3934827	1025.52	1113.02	44761226	10.0000
Clomipramine	4.624	5574526	25710.64	11760.88	44761226	10.0000
Clonazepam	4.440	3065440	421.62	1944822.84	37308940	10.0000
Clonazolam	4.375	3732934	1623430.71	853521.04	37308940	10.0000
Cocaethylene	3.780	6114368	1947.93	722.79	32309783	10.0000
Cocaine	3.567	7336546	810.31	352.98	32309783	10.0000
Codeine	2.836	540649	6552.48	2797.80	16996972	10.0000
Cyclobenzaprine	4.354	3796666	569.60	100.29	11355803	10.0000
Desipramine	4.370	6412518	5144.58	384.02	11355803	10.0000
Dextromethorphan	4.078	2217007	62421.75	886769.33	12196419	10.0000
Dextrorphan	3.372	3358405	832.91	185598.06	12196419	10.0000
Diazepam	4.843	2637585	1359.60	2011.58	37308940	10.0000
Dihydrocodeine	2.759	1679277	623.52	938.00	16996972	10.0000
Diphenhydramine	4.017	9923514	154375.63	1711.13	44761226	10.0000

Cal

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# AM #25 Multi-Drug Screen Results



Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
Doxepin	4.138	2546603	234.45	108.49	30471556	10.0000
Doxylamine	3.632	12460366	30732.79	303.55	12196419	10.0000
EDDP	4.076	1395484	259.90	150.27	3283810	10.0000
Estazolam	4.535	12549132	2710.36	1473.38	37308940	10.0000
Etizolam	4.636	861917	753165.98	2321610.99	37308940	10.0000
Fentanyl	4.085	391717	174.25	659879.52	23877740	10.0000
Flualprazolam	4.484	2122952	2414540.93	1585781.25	37308940	10.0000
Flunitrazepam	4.564	5668903	723.03	469.90	37308940	10.0000
Fluoxetine	4.319	4169811	1197.86	430.35	12188495	10.0000
Flurazepam	4.175	4442104	2504106.86	192.54	37308940	10.0000
Hydrocodone	3.018	2552891	558.77	737.27	16996972	10.0000
Hydromorphone	2.519	2265868	1214.50	18638.37	291727	10.0000
Imipramine	4.383	8020944	1058.09	516.28	11355803	10.0000
Ketamine	3.513	6082350	915.16	189.54	25418006	10.0000
Lamotrigine	3.572	409007	151.69	632.04	44761226	10.0000
Levamisole	2.978	4449695	4190679.81	3548.79	32309783	10.0000
Levetiracetam	2.644	2349835	1291.43	1599.57	44761226	10.0000
Lorazepam	4.439	1155496	299.23	497.37	37308940	10.0000
Maprotiline	4.431	2139226	310.75	228.33	11355803	10.0000
MDA	3.010	3515598	714.74	203.49	26059004	10.0000
MDEA	3.238	5603813	249.01	382.84	26059004	10.0000
MDMA	3.085	7082699	53086.83	878.77	26059004	10.0000
Meperidine	3.588	2446210	954.91	220.13	12196419	10.0000
Meprobamate	3.652	1645593	960695.29	216.52	17240856	10.0000
Methadone	4.395	7716694	347.85	3179.05	3283810	10.0000
Methamphetamine	2.996	6448647	214.79	220.90	26059004	10.0000
Methocarbamol	3.573	716652	804.99	250557.37	3283810	10.0000
Methylphenidate	3.513	13408302	903.63	1654.94	23060262	10.0000
Metoprolol	3.433	945144	311.65	523393.11	12196419	10.0000
Midazolam	4.760	1353518	833.03	6617.75	37308940	10.0000
Mirtazapine	3.924	3730649	138752.28	889.28	12196419	10.0000
Mitragynine	4.190	591844	524743.66	728021.02	12196419	10.0000
Morphine	2.367	392710	∞	289.87	291727	10.0000
Norbuprenorphine	3.822	107009	65970.58	145145.97	4679059	10.0000
Nordiazepam	4.692	3695769	2765.30	720.34	37308940	10.0000
Norfentanyl	3.313	9616776	6543.86	888.32	35268141	10.0000
Norhydrocodone	2.929	50066	209.76	72.81	291727	10.0000
Norketamine	3.606	828576	142.90	3415.52	25418006	10.0000
Normeperidine	3.590	1715575	7712.95	171.96	44761226	10.0000
Noroxycodone	2.881	1961311	483.01	257.74	25418006	10.0000
Nortriptyline	4.417	2549976	451.32	454.05	11355803	10.0000
O-desmethyl-tramadol	2.915	12529229	1426.55	1058.31	44761226	10.0000
Olanzapine	3.812	2103700	1826687.36	2252.82	1353081	10.0000
Oxazepam	4.505	5170396	606.48	474.46	23975406	10.0000
Oxycodone	2.924	5331990	580.74	958.08	25418006	10.0000
Oxymorphone	2.378	2362158	5578.50	882.33	291727	10.0000
Paroxetine	4.331	633143	113.38	1201.17	12188495	10.0000
Phenazepam	4.636	4992598	3779.86	4772000.73	37308940	10.0000
Phencyclidine	3.926	5779562	619.22	1606.42	12196419	10.0000
Phentermine	3.149	1952905	216.44	36.07	23060262	10.0000
Phenytoin	4.126	2560026	3232.42	638.58	1353081	10.0000
Promethazine	4.337	10112647	729.05	466.60	44761226	10.0000
Pseudoephedrine	2.720	55862078	14190.07	690.22	26059004	10.0000
Quetiapine	4.451	4506672	1206.86	1330.61	47995223	10.0000
Sertraline	4.550	2346675	18516.23	971.35	12188495	10.0000
Sufentanil	4.420	331667	192499.44	379.38	35268141	10.0000
Tapentadol	3.422	7215050	786.22	484.06	25418006	10.0000
Temazepam	4.673	10435849	1068.95	509.46	37308940	10.0000
Tramadol	3.418	13542933	1601.65	54.31	44761226	10.0000
Trazodone	4.559	7255124	488.59	650.25	30471556	10.0000

Cal

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# AM #25 Multi-Drug Screen Results



Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
Venlafaxine	3.784	9419938	2565.77	889.47	12188495	10.0000
Zaleplon	4.351	5562009	715.40	585.06	47995223	10.0000
Zolpidem	4.289	15736102	15243.18	28424.80	47995223	10.0000
Zopiclone	4.144	1133340	671643.74	279459.77	6120025	10.0000

SC

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

Extraction Date: 08/09/21  
Plate lot#: IDP-108-2-210609

Analyst: Sarah Collins  
Retest Date: 12/09/2021

10mM Ammonium Formate 01/27/2023 SC

0.1% Formic Acid in Methanol 01/27/2023 SC

**Mobile phase A:** ~~0.1% Formic Acid in LCMS Water~~

**Mobile phase B:** ~~0.1% Formic acid in Acetonitrile~~

**Blank Blood Lot:** Lampire 20L20724

**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. Urine hydrolysis: add 1.5mL urine to blank plate, add 250µl 1N KOH. Shake and incubate at 40 degrees for 15 minutes.  
Using a calibrated pipette, add **1000µl blood and urine (if applicable) (calibrated pipette)** into the appropriate wells of analytical (standards) plate. **Pipette ID: 3382167**
- 3. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- 4. Pipette **500µL 0.1% formic acid in water blood sample, 500 µL saturated phosphate buffer in urine** in wells of 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: 800 uL
- 7. Apply positive pressure for approx. 10-15 seconds (or until no liquid remains on top of sorbent).  
*(Load at 85-100 PSI- Selector to the right)*
- 8. Wait 5 minutes.
- 9. Add **2.25mL MTBE. (Add in 3 increments of 750uL)**
- 10. Wait 5 minutes.
- 11. Apply positive pressure for approx. 15 seconds. *(10-15 PSI- Selector to the left).*
- 12. Add **2.25mL Hexane. (Add in 3 increments of 750uL)**
- 13. Wait 5 minutes.
- 14. Apply positive pressure for approx. 15 seconds. *(10-15 PSI- Selector to the left).*
- 15. Remove plate containing eluate. Place on SPE Dry and evaporate to dryness at approx. 35°C.
- 16. Reconstitute in **100µL 100% MeOH** and heat seal plate with foil. Place in autosampler and run worklist.

### Post-Analytic

- 1. Create batch and process data.
- 2. Make any necessary integration changes, Curve weighting of Linear 1/x with  $r^2$  values  $\geq 0.98$  for each analyte
- 3. RT +/- 3% or 0.100 min, whichever is greater, +/- 20% Accuracy for greater than (+/- 30% for 10ng/ml or less).
- 4. Case sample response for THC and OH-THC 3ng/mL (quantitative), Carboxy-THC: 10ng/mL (qualitative only) will be reported. Samples with a THC or OH-THC response over 50 ng/mL will be reported out as greater than 50 ng/mL.
- 5. Did all QCs pass for each analyte? (if not, describe in comments section)
- 6. Enter QCs into control charting.
- 7. Central File Packet to include: LIMS Worklist, Method Checklist, Calibration and Control Reports

COMMENTS:

SC

	1	2	3	4	5	6
A	IS + Cal. 1	negative blood	p2021-2190-1	p2021-2551-1*	p2021-2616-1	
B	IS + Cal. 2	m2021-3215-1	p2021-2205-1	p2021-2561-1	p2021-2641-1	
C	IS + Cal. 3	m2021-3226-1	p2021-2206-1	p2021-2562-1	well contaminated	
D	IS + Cal. 4	m2021-3227-1	p2021-2282-1	p2021-2563-1*	m2021-3229-1	
E	IS + Cal. 5	m2021-3229-1*	p2021-2358-1	p2021-2573-1*	p2021-2551-1	
F	IS + Cal. 6	m2021-3322-2	p2021-2526-1	p2021-2587-1	p2021-2563-1	
G	IS + Cal. 7	m2021-3325-3	p2021-2546-1	p2021-2592-3	p2021-2573-1	
H	IS + QC_1	m2021-3334-2	p2021-2547-1	p2021-2593-1		

All wells to contain 100 µl of residual DMSO

\*Samples moved during analytical step 6 due to blood clot

SC

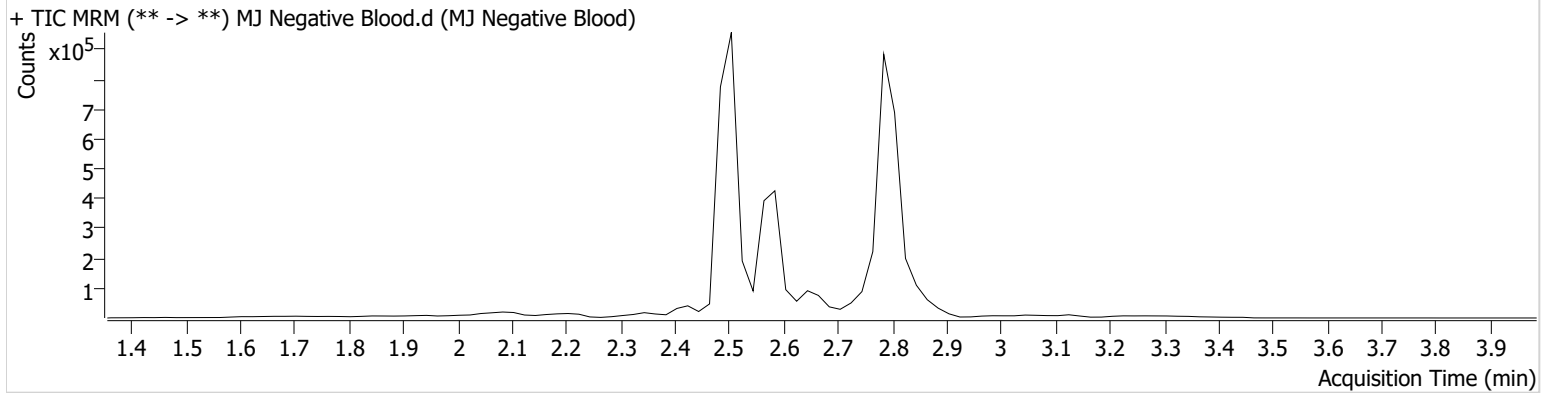


# AM #26 Cannabinoids Screen Results

**Batch results** D:\MassHunter\Data\2021\AM 25-26\080921 AM 25 26 SC\QuantResults\AM 26.batch.bin  
**Calibration Last Update** 8/10/2021 7:57:30 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>	Sarah Collins
<b>Sample Position</b>	P1-A2	<b>Comment</b>	
<b>Injection Volume</b>	10		
<b>Acq. Date-Time</b>	8/9/2021 3:49:48 PM		
<b>Sample Info.</b>			

## Sample Chromatogram



SC

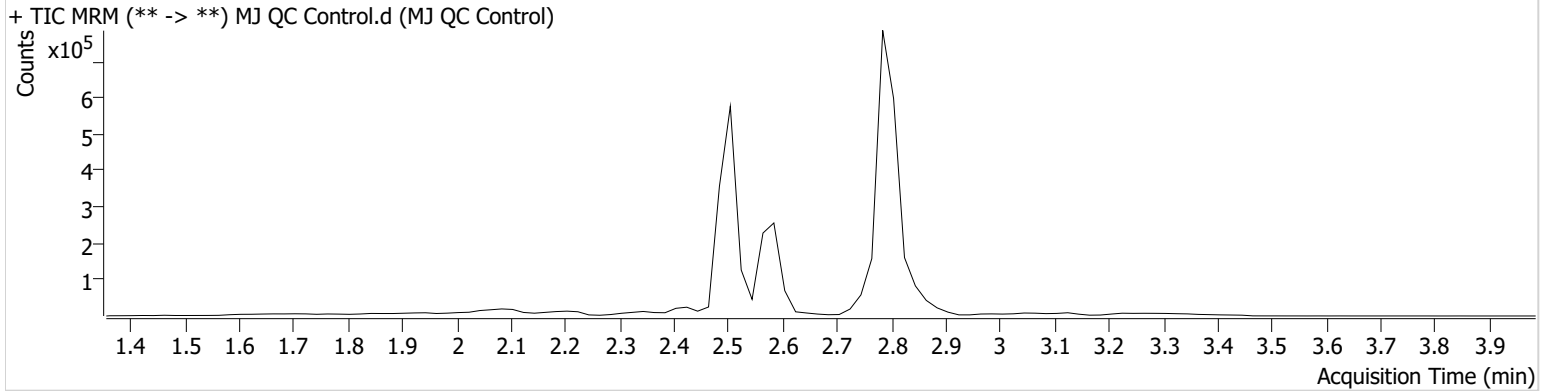


# AM #26 Cannabinoids Screen Results

**Batch results** D:\MassHunter\Data\2021\AM 25-26\080921 AM 25 26 SC\QuantResults\AM 26.batch.bin  
**Calibration Last Update** 8/10/2021 7:57:30 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>	Sarah Collins
<b>Sample Position</b>	P1-H1	<b>Comment</b>	
<b>Injection Volume</b>	10		
<b>Acq. Date-Time</b>	8/9/2021 3:36:43 PM		

**Sample Chromatogram**



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	2.839	5149	124534	4.8105 ng/ml
THC-COOH	2.567	38182	459324	17.5433 ng/ml
THC-OH	2.514	10793	1203443	5.3612 ng/ml



SC

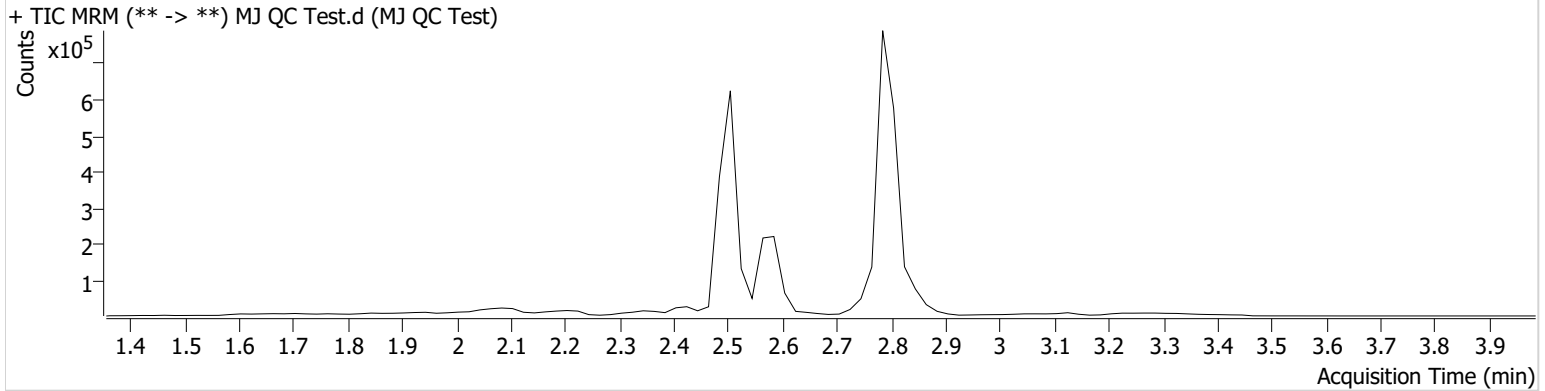


# AM #26 Cannabinoids Screen Results

**Batch results** D:\MassHunter\Data\2021\AM 25-26\080921 AM 25 26 SC\QuantResults\AM 26.batch.bin  
**Calibration Last Update** 8/10/2021 7:57:30 AM

<b>Instrument</b>	Falco (069901)	<b>Data File</b>	MJ QC Test.d
<b>Type</b>	Sample	<b>Sample</b>	MJ QC Test
<b>Acq. Method</b>	AM 26 THCS.m	<b>Operator</b>	Sarah Collins
<b>Sample Position</b>	P1-H1	<b>Comment</b>	
<b>Injection Volume</b>	10		
<b>Acq. Date-Time</b>	8/9/2021 6:39:41 PM		

**Sample Chromatogram**



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	2.839	4489	108400	4.8179 ng/ml
THC-COOH	2.607	31065	416883	16.0205 ng/ml
THC-OH	2.514	10717	1298783	4.9541 ng/ml

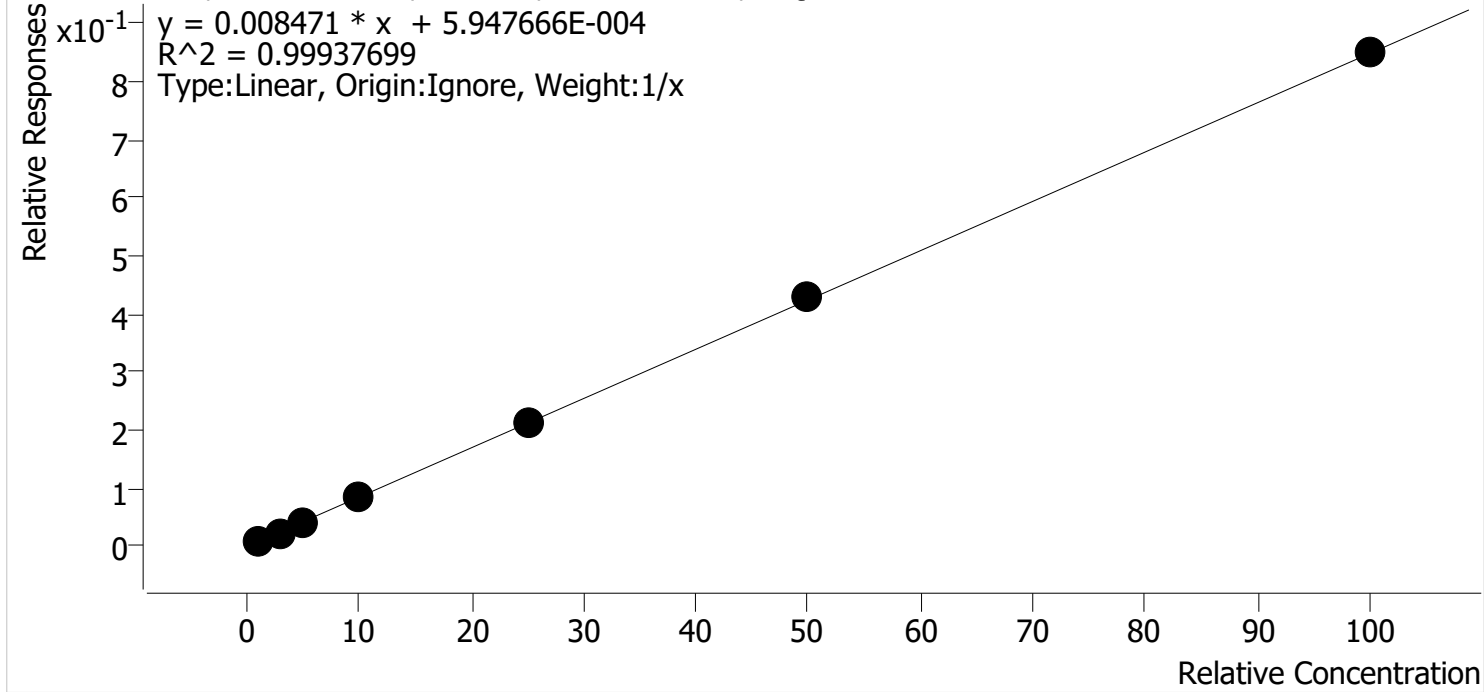
SC



# AM #26 Cannabinoids Screen Calibration Curve Report

**Batch results** D:\MassHunter\Data\2021\AM 25-26\080921 AM 25 26 SC\QuantResults\AM 26.batch.bin  
**Last Cal. Update** 8/10/2021 7:57 AM  
**Analyst Name** ISP\datastor  
**Analyte** THC **Internal Standard** THC-D3

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



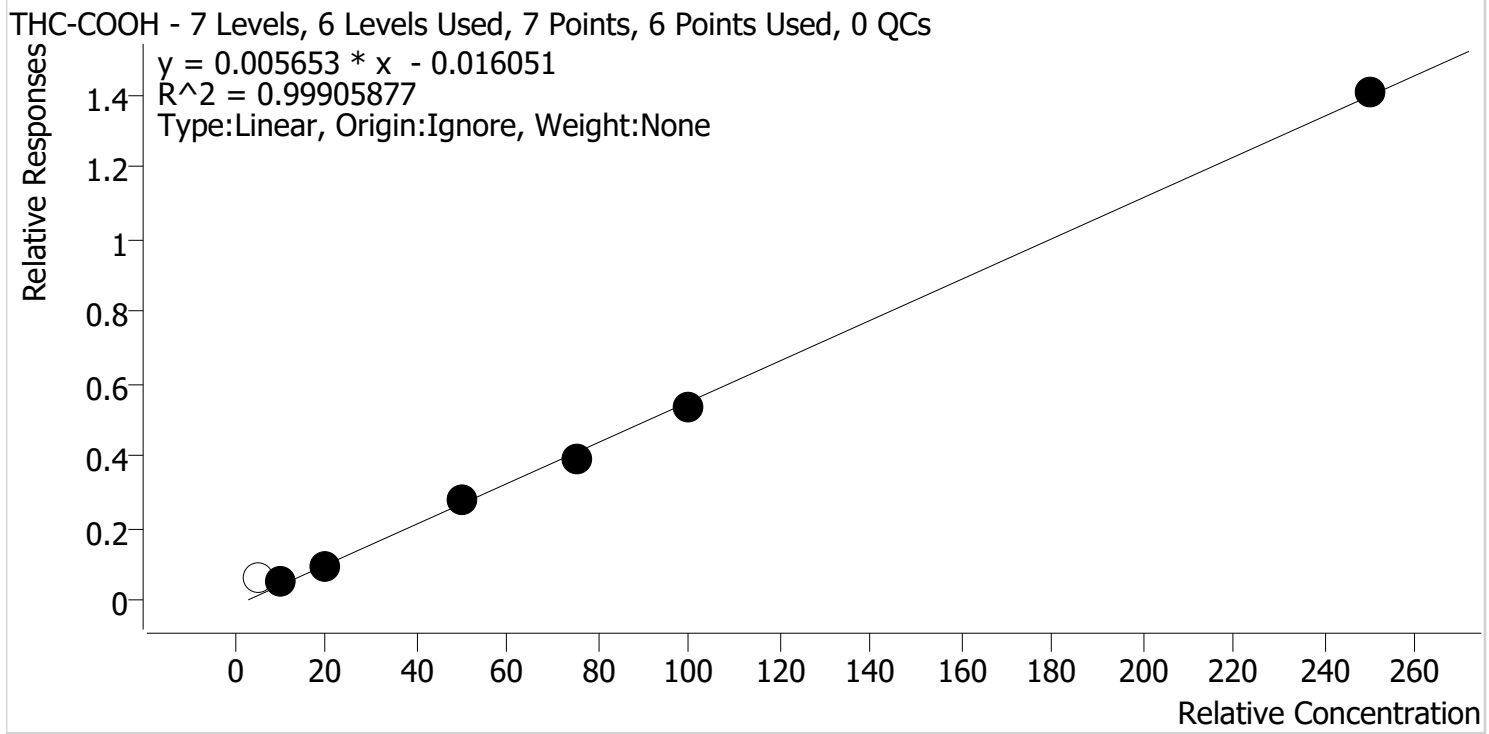
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
MJ Cal 1	1	✓	1.0	1.1	115.0
MJ Cal 2	2	✓	3.0	2.8	93.5
MJ Cal 3	3	✓	5.0	4.5	89.2
MJ Cal 4	4	✓	10.0	10.2	102.1
MJ Cal 5	5	✓	25.0	24.8	99.2
MJ Cal 6	6	✓	50.0	50.4	100.9
MJ Cal 7	7	✓	100.0	100.1	100.1

SC



# AM #26 Cannabinoids Screen Calibration Curve Report

**Batch results** D:\MassHunter\Data\2021\AM 25-26\080921 AM 25 26 SC\QuantResults\AM 26.batch.bin  
**Last Cal. Update** 8/10/2021 7:57 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	x	5.0	14.4	288.3
MJ Cal 2	2	✓	10.0	12.2	122.2
MJ Cal 3	3	✓	20.0	19.9	99.7
MJ Cal 4	4	✓	50.0	52.7	105.4
MJ Cal 5	5	✓	75.0	71.0	94.7
MJ Cal 6	6	✓	100.0	97.6	97.6
MJ Cal 7	7	✓	250.0	251.5	100.6

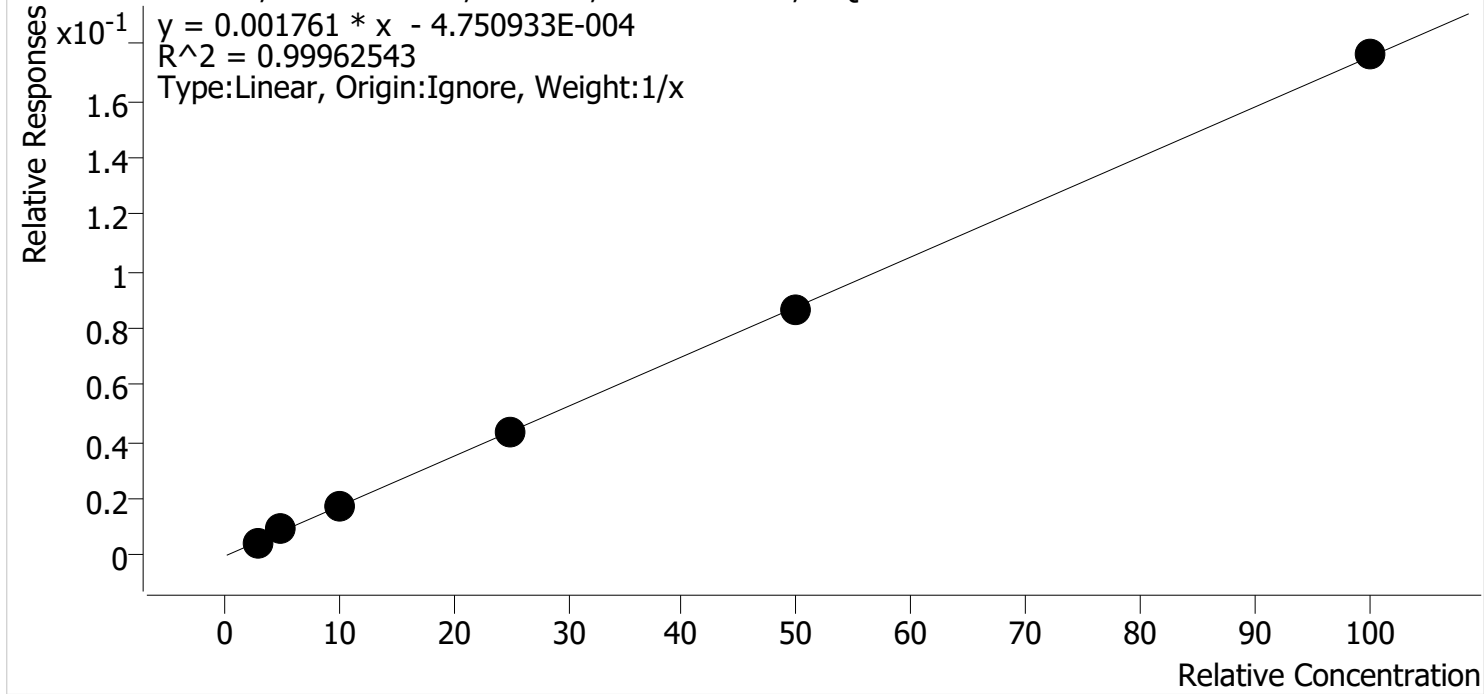
SC



# AM #26 Cannabinoids Screen Calibration Curve Report

**Batch results** D:\MassHunter\Data\2021\AM 25-26\080921 AM 25 26 SC\QuantResults\AM 26.batch.bin  
**Last Cal. Update** 8/10/2021 7:57 AM  
**Analyst Name** ISP\datastor  
**Analyte** THC-OH **Internal Standard** THC-OH-D3

THC-OH - 6 Levels, 6 Levels Used, 6 Points, 6 Points Used, 0 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
MJ Cal 2	2	✓	3.0	2.8	92.8
MJ Cal 3	3	✓	5.0	5.4	107.5
MJ Cal 4	4	✓	10.0	10.1	100.9
MJ Cal 5	5	✓	25.0	24.9	99.4
MJ Cal 6	6	✓	50.0	49.5	98.9
MJ Cal 7	7	✓	100.0	100.4	100.4

SC

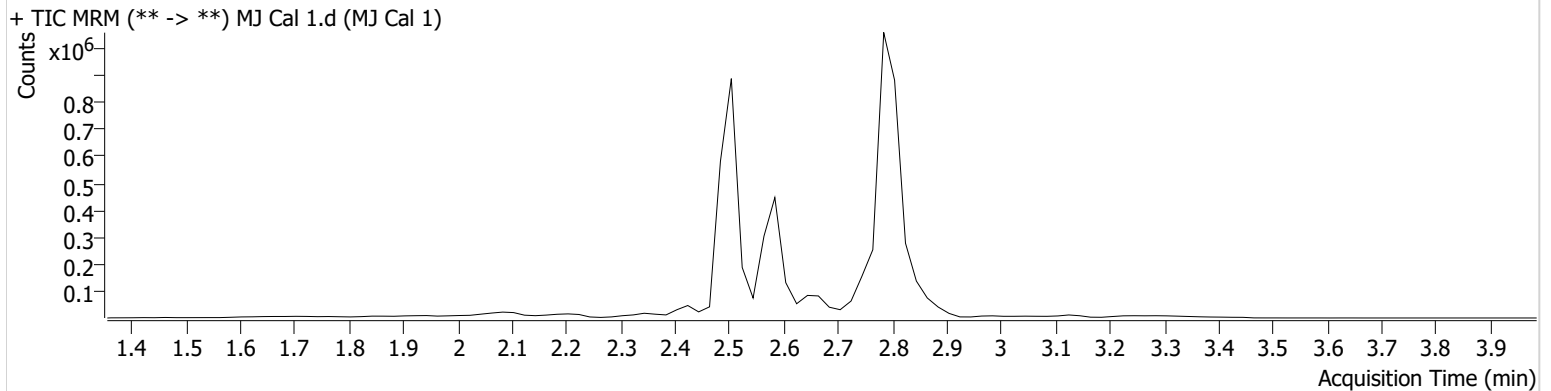


# AM #26 Cannabinoids Screen Results

**Batch results** D:\MassHunter\Data\2021\AM 25-26\080921 AM 25 26 SC\QuantResults\AM 26.batch.bin  
**Calibration Last Update** 8/10/2021 7:57:30 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>	Sarah Collins
<b>Sample Position</b>	P1-A1	<b>Comment</b>	
<b>Injection Volume</b>	10		
<b>Acq. Date-Time</b>	8/9/2021 2:47:21 PM		

## Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.	
THC	2.839	2101	203346	1.1496 ng/ml	<b>Low</b>
THC-COOH	2.587	42924	655911	14.4149 ng/ml	

SC

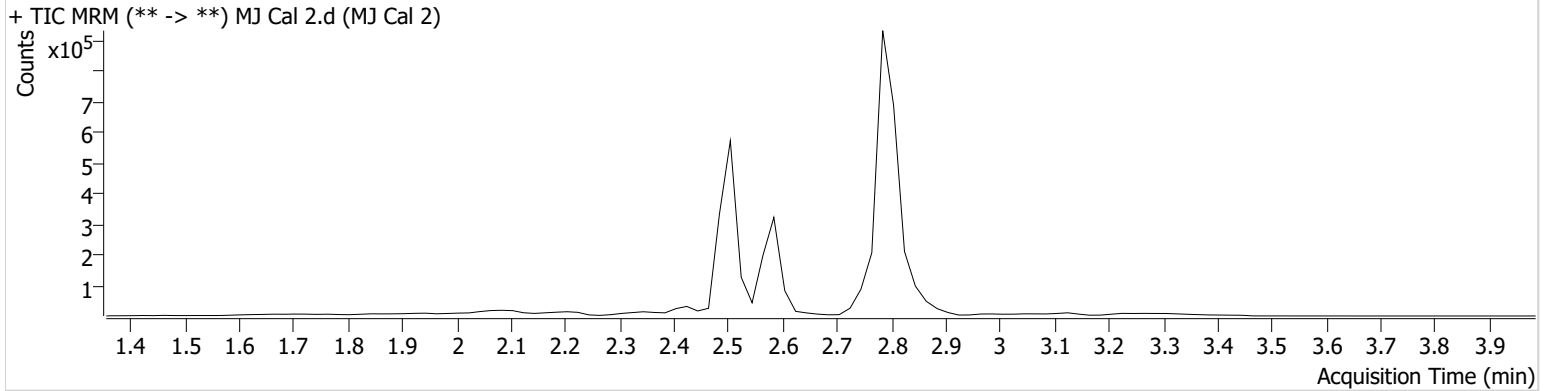
# AM #26 Cannabinoids Screen Results



**Batch results** D:\MassHunter\Data\2021\AM 25-26\080921 AM 25 26 SC\QuantResults\AM 26.batch.bin  
**Calibration Last Update** 8/10/2021 7:57:30 AM

<b>Instrument</b>	Falco (069901)	<b>Data File</b>	MJ Cal 2.d
<b>Type</b>	Cal	<b>Sample</b>	MJ Cal 2
<b>Acq. Method</b>	AM 26 THCS.m	<b>Operator</b>	Sarah Collins
<b>Sample Position</b>	P1-B1	<b>Comment</b>	
<b>Injection Volume</b>	10		
<b>Acq. Date-Time</b>	8/9/2021 2:57:25 PM		
<b>Sample Info.</b>			

## Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.	
THC	2.839	4046	166116	2.8047 ng/ml	Low
THC-COOH	2.607	25934	488883	12.2224 ng/ml	
THC-OH	2.514	5359	1209978	2.7843 ng/ml	Low

SC

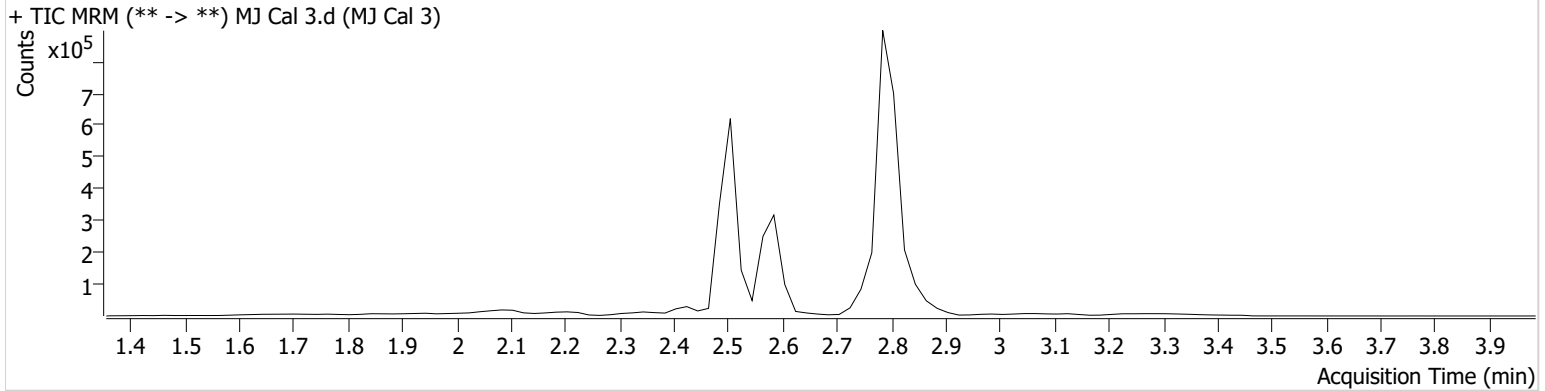


# AM #26 Cannabinoids Screen Results

**Batch results** D:\MassHunter\Data\2021\AM 25-26\080921 AM 25 26 SC\QuantResults\AM 26.batch.bin  
**Calibration Last Update** 8/10/2021 7:57:30 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>	Sarah Collins
<b>Sample Position</b>	P1-C1	<b>Comment</b>	
<b>Injection Volume</b>	10		
<b>Acq. Date-Time</b>	8/9/2021 3:04:07 PM		

**Sample Chromatogram**



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	2.839	6161	160516	4.4606 ng/ml
THC-COOH	2.607	52023	538160	19.9385 ng/ml
THC-OH	2.514	11510	1279389	5.3774 ng/ml

SC

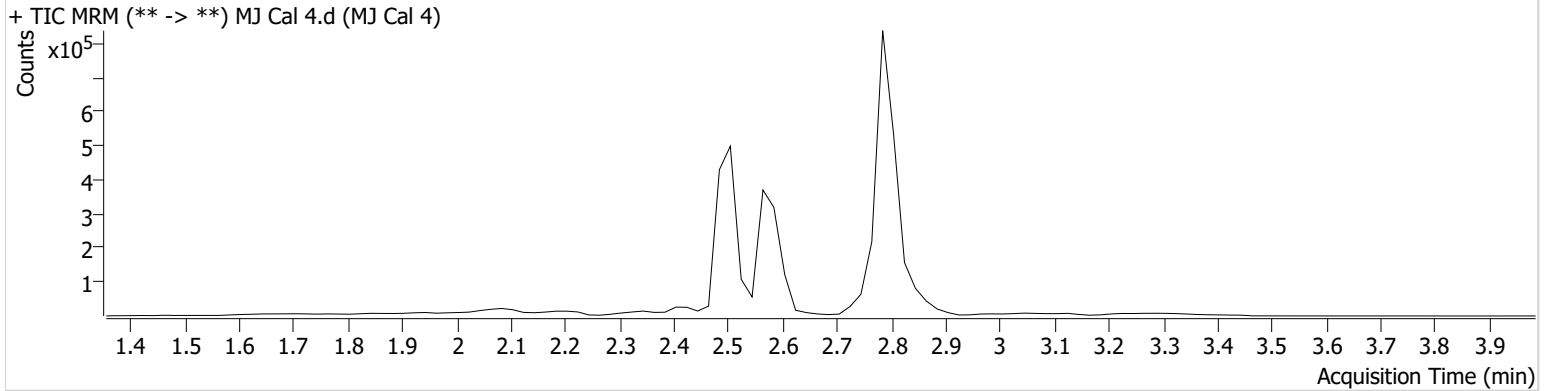


# AM #26 Cannabinoids Screen Results

**Batch results** D:\MassHunter\Data\2021\AM 25-26\080921 AM 25 26 SC\QuantResults\AM 26.batch.bin  
**Calibration Last Update** 8/10/2021 7:57:30 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>	Sarah Collins
<b>Sample Position</b>	P1-D1	<b>Comment</b>	
<b>Injection Volume</b>	10		
<b>Acq. Date-Time</b>	8/9/2021 3:10:38 PM		

**Sample Chromatogram**



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	2.839	11790	135377	10.2102 ng/ml
THC-COOH	2.567	142439	505248	52.7067 ng/ml
THC-OH	2.514	19393	1121625	10.0856 ng/ml



SC

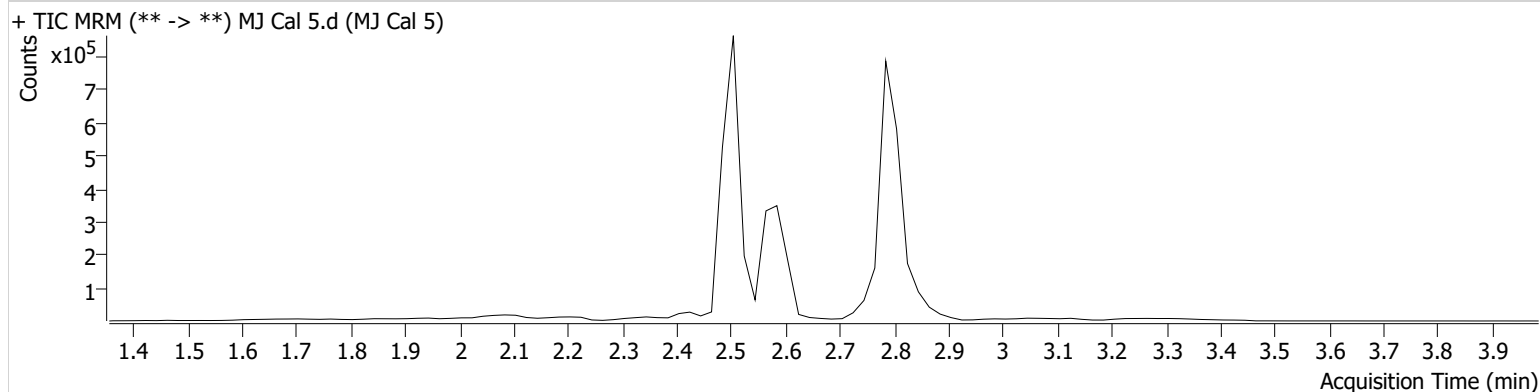
# AM #26 Cannabinoids Screen Results



**Batch results** D:\MassHunter\Data\2021\AM 25-26\080921 AM 25 26 SC\QuantResults\AM 26.batch.bin  
**Calibration Last Update** 8/10/2021 7:57:30 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>	Sarah Collins
<b>Sample Position</b>	P1-E1	<b>Comment</b>	
<b>Injection Volume</b>	10		
<b>Acq. Date-Time</b>	8/9/2021 3:17:09 PM		
<b>Sample Info.</b>			

## Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	2.839	27267	129370	24.8105 ng/ml
THC-COOH	2.567	177869	461507	71.0125 ng/ml
THC-OH	2.514	61375	1417188	24.8561 ng/ml

SC

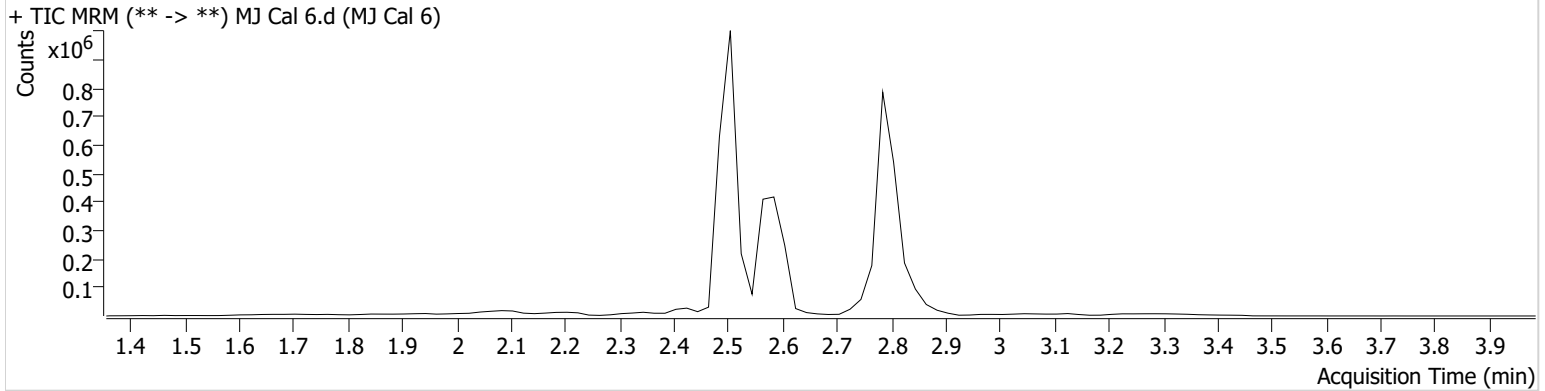


# AM #26 Cannabinoids Screen Results

**Batch results** D:\MassHunter\Data\2021\AM 25-26\080921 AM 25 26 SC\QuantResults\AM 26.batch.bin  
**Calibration Last Update** 8/10/2021 7:57:30 AM

<b>Instrument</b>	Falco (069901)	<b>Data File</b>	MJ Cal 6.d
<b>Type</b>	Cal	<b>Sample</b>	MJ Cal 6
<b>Acq. Method</b>	AM 26 THCS.m	<b>Operator</b>	Sarah Collins
<b>Sample Position</b>	P1-F1	<b>Comment</b>	
<b>Injection Volume</b>	10		
<b>Acq. Date-Time</b>	8/9/2021 3:23:41 PM		

**Sample Chromatogram**



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	2.839	54763	128013	50.4292 ng/ml
THC-COOH	2.567	255765	477518	97.5815 ng/ml
THC-OH	2.514	113327	1307802	49.4650 ng/ml

SC

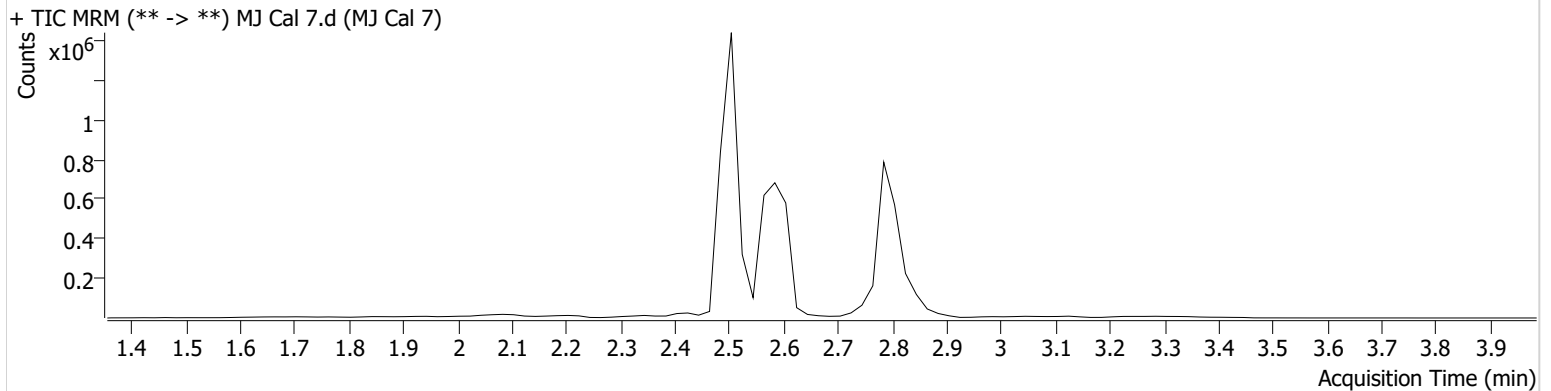


# AM #26 Cannabinoids Screen Results

**Batch results** D:\MassHunter\Data\2021\AM 25-26\080921 AM 25 26 SC\QuantResults\AM 26.batch.bin  
**Calibration Last Update** 8/10/2021 7:57:30 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>	Sarah Collins
<b>Sample Position</b>	P1-G1	<b>Comment</b>	
<b>Injection Volume</b>	10		
<b>Acq. Date-Time</b>	8/9/2021 3:30:12 PM		
<b>Sample Info.</b>			

## Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	2.839	104743	123393	100.1352 ng/ml
THC-COOH	2.567	623917	443757	251.5383 ng/ml
THC-OH	2.514	222131	1259038	100.4317 ng/ml