

**REVIEWED**

By Tamara Salazar at 8:38 am, Oct 14, 2021

10/4/2021











**Worklist: 5270**

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
* M2021-3317	3	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2021-4178	2	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2021-4198	2	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2021-4202	2	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2021-4252	3	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
* P2020-3407	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
* P2021-3224	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-3233	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-3234	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-3235	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-3236	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-3242	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-3243	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-3244	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-3246	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-3272	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-3273	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-3277	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-3278	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-3280	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-3282	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	

\*These samples were only ran on AM 25 and not AM 26.

Worklist: 5270

SC

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
P2021-3297	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-3302	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-3303	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-3319	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-3341	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-3342	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-3345	2	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-3347	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-3348	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-3349	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: 10/05/21  
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

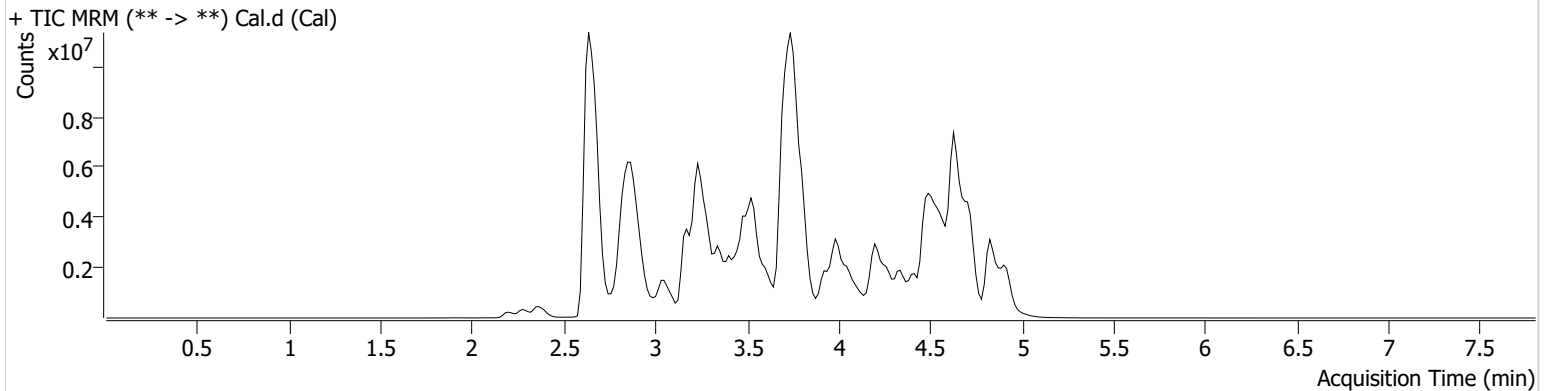
# AM #25 Multi-Drug Screen Results



**Batch results** D:\MassHunter\Data\2021\AM 25-26\100521 AM 25 26 SC\QuantResults\AM 25.batch.bin  
**Calibration Last Update** 10/6/2021 9:01:44 AM

**Instrument** Falco (069901) **Data File** Cal.d  
**Type** Cal **Sample** Cal  
**Acq. Method** AM 25 MDS.m **Operator** Sarah Collins  
**Sample Position** P2-A1 **Comment**  
**Injection Volume** 5  
**Acq. Date-Time** 10/6/2021 12:34:30 AM  
**Sample Info.**

## Sample Chromatogram



Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
6-MAM	2.786	32907	28107.54	8930.19	816969	10.0000
7-aminoclonazepam	3.541	896339	5855.44	1576716.55	5207042	10.0000
7-aminoflunitrazepam	3.771	2352746	336.09	1006.05	5207042	10.0000
Acetyl Fentanyl	3.675	19491	14.27	5291.22	15874816	10.0000
Acetyl Norfentanyl	2.825	202608	109.65	516.39	15874816	10.0000
a-hydroxyalprazolam	4.490	220852	151.91	43730.77	5207042	10.0000
alpha-hydroxymidazolam	4.489	862722	542.38	76059.77	5207042	10.0000
Alpha-PHP	3.698	741191	1748.49	136.81	15874816	10.0000
alpha-PVP	3.423	1866724	280.31	159.88	1949769	10.0000
Alprazolam	4.601	2479838	241.11	144.08	27456967	10.0000
Amitriptyline	4.328	107081	15.66	12.64	432729	10.0000
Amphetamine	2.814	1020708	271.19	106.85	1949769	10.0000
Benzoylcegonine	3.371	289301	345.82	541.20	496624	10.0000
Brompheniramine	3.922	2997	48.80	152.66	6623377	10.0000
Buprenorphine	3.978	66470	298.31	2177.84	239606	10.0000
Bupropion	3.622	712613	1303.17	96.56	2407891	10.0000
Carbamazepine	4.208	9228600	∞	737.15	813899	10.0000
Carisoprodol	4.191	873602	389.29	30.12	5337923	10.0000
Chlordiazepoxide	4.587	1158281	345.21	448.06	27456967	10.0000
Chlorpheniramine	3.834	498685	222.95	6.80	6623377	10.0000
Citalopram	3.968	334833	75.18	192.55	6623377	10.0000
Clomipramine	4.492	176102	2053.10	491.28	6623377	10.0000
Clonazepam	4.415	1611068	848.75	304959.04	27456967	10.0000
Clonazolam	4.350	1363532	416544.82	194787.00	27456967	10.0000
Cocaethylene	3.691	1517210	333135.41	362.98	12570039	10.0000
Cocaine	3.478	2622595	1651.93	280.69	12570039	10.0000
Codeine	2.699	312651	700.43	1284.22	5962548	10.0000
Cyclobenzaprine	4.235	125422	178.87	93.27	432729	10.0000
Desipramine	4.267	220688	388.59	29.94	432729	10.0000
Dextromethorphan	3.973	130415	250.85	25.75	755137	10.0000
Dextrorphan	3.297	666884	1082.76	62.11	755137	10.0000
Diazepam	4.818	1172499	∞	524.85	27456967	10.0000
Dihydrocodeine	2.667	855248	1147.19	321.58	5962548	10.0000
Diphenhydramine	3.928	630570	158.62	55.55	6623377	10.0000

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# AM #25 Multi-Drug Screen Results



Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
Doxepin	4.048	101104	48.59	12.41	2119758	10.0000
Doxylamine	3.527	2776405	80.07	173.90	755137	10.0000
EDDP	4.003	282098	108.20	42.86	743199	10.0000
Estazolam	4.510	5841222	439.81	4637.81	27456967	10.0000
Etizolam	4.611	211699	125748.24	156445.62	27456967	10.0000
Fentanyl	3.905	15987	10.58	2308.12	894332	10.0000
Flualprazolam	4.474	671029	147138.46	121989.88	27456967	10.0000
Flunitrazepam	4.538	2498461	8211.01	1677.54	27456967	10.0000
Fluoxetine	4.231	148997	55800.37	8056.79	451922	10.0000
Flurazepam	4.010	234712	90089.69	26100.07	27456967	10.0000
Hydrocodone	2.882	852058	1542.82	1046.25	5962548	10.0000
Hydromorphone	2.366	1066020	2200.19	5599.72	214244	10.0000
Imipramine	4.280	255587	182.01	73.84	432729	10.0000
Ketamine	3.268	2416653	489.43	230.59	9337564	10.0000
Lamotrigine	3.405	240588	663.20	2163.52	6623377	10.0000
Levamisole	2.841	1904505	679.03	389.84	12570039	10.0000
Levetiracetam	2.629	1081848	336.36	438.53	6623377	10.0000
Lorazepam	4.414	609619	449.66	∞	27456967	10.0000
Maprotiline	4.297	58980	5.52	139.93	432729	10.0000
MDA	2.934	553453	157.52	73.35	5841312	10.0000
MDEA	3.163	970002	517.25	128.49	5841312	10.0000
MDMA	3.010	1485579	96612.14	144.79	5841312	10.0000
Meperidine	3.498	647775	99.78	68.24	755137	10.0000
Meprobamate	3.639	260358	49.21	45.77	5337923	10.0000
Methadone	4.293	372846	90.68	67.18	743199	10.0000
Methamphetamine	2.920	1528419	93.57	3136.31	5841312	10.0000
Methocarbamol	3.560	506798	272.85	1046.82	743199	10.0000
Methylphenidate	3.423	2150344	646.01	63.73	5012612	10.0000
Metoprolol	3.357	228852	236.70	92.42	755137	10.0000
Midazolam	4.382	201635	1657.86	44222.98	27456967	10.0000
Mirtazapine	3.588	262241	74309.24	1119.20	755137	10.0000
Mitragynine	4.041	25705	23671.27	17816.71	755137	10.0000
Morphine	2.201	221122	787.60	167.50	214244	10.0000
Norbuprenorphine	3.779	3105	1891.95	2262.01	239606	10.0000
Nordiazepam	4.667	1250865	3265.43	119.13	27456967	10.0000
Norfentanyl	3.253	3159250	245.76	670.09	15874816	10.0000
Norhydrocodone	2.852	6899	3195.81	3872.95	214244	10.0000
Norketamine	3.239	372499	53.10	1243.25	9337564	10.0000
Normeperidine	3.515	342836	208.45	38.58	6623377	10.0000
Noroxycodone	2.820	759871	∞	100.32	9337564	10.0000
Nortriptyline	4.314	99635	10075.27	18.66	432729	10.0000
O-desmethyl-tramadol	2.854	5718201	21141.69	169.95	6623377	10.0000
Olanzapine	3.200	95559	27744.36	62.37	813899	10.0000
Oxazepam	4.480	2709459	953.80	183.07	14850504	10.0000
Oxycodone	2.833	2229995	380.66	322.60	9337564	10.0000
Oxymorphone	2.271	905016	1176.78	214.16	214244	10.0000
Paroxetine	4.243	21869	36.77	3252.80	451922	10.0000
Phenazepam	4.611	1826961	113809.76	2374.85	27456967	10.0000
Phencyclidine	3.837	510346	94.15	397.50	755137	10.0000
Phentermine	3.073	413055	67.00	7.79	5012612	10.0000
Phenytoin	4.114	1440301	25503.10	295.17	813899	10.0000
Promethazine	4.203	380515	173033.74	41.56	6623377	10.0000
Pseudoephedrine	2.645	44917691	2209.43	24449.62	5841312	10.0000
Quetiapine	4.149	417332	108.98	527.85	30178363	10.0000
Sertraline	4.447	89163	7561.59	180.59	451922	10.0000
Sufentanil	4.180	10849	21.41	29.07	15874816	10.0000
Tapentadol	3.362	1768649	360.98	156.95	9337564	10.0000
Temazepam	4.648	4497906	1657.26	73.93	27456967	10.0000
Tramadol	3.342	4500591	255.85	38.04	6623377	10.0000
Trazodone	3.981	498121	292.20	138.71	2119758	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	3.710	1793799	487.10	70.28	451922	10.0000
Zaleplon	4.341	3553053	1003766.27	613.35	30178363	10.0000
Zolpidem	3.708	5202261	923.47	1298.08	30178363	10.0000
Zopiclone	3.642	178471	47130.60	59580.56	1011380	10.0000

SC



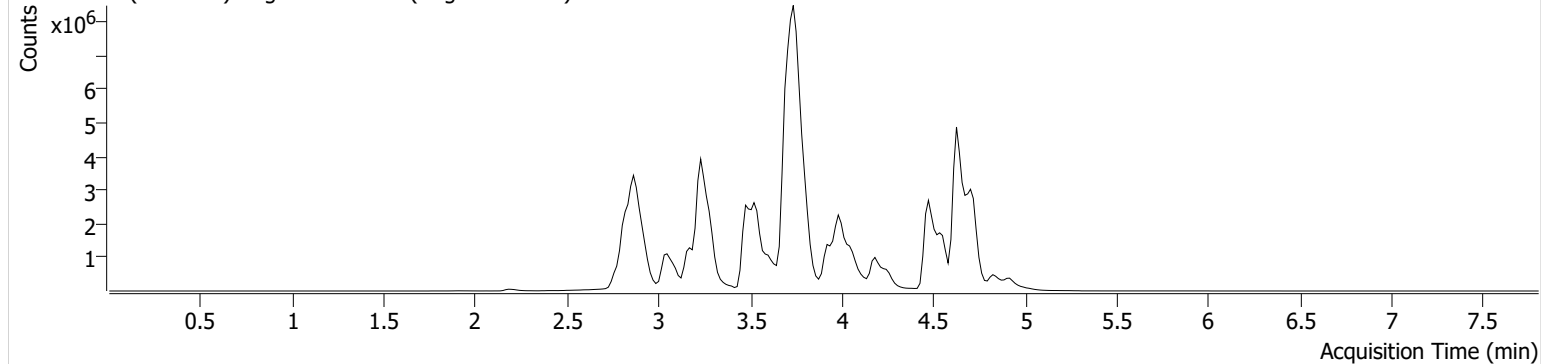
# AM #25 Multi-Drug Screen Results

**Batch results** D:\MassHunter\Data\2021\AM 25-26\100521 AM 25 26 SC\QuantResults\AM 25.batch.bin  
**Calibration Last Update** 10/6/2021 9:01:44 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>	Sarah Collins
<b>Sample Position</b>	P2-C1	<b>Comment</b>	
<b>Injection Volume</b>	5		
<b>Acq. Date-Time</b>	10/6/2021 12:43:03 AM		
<b>Sample Info.</b>			

## Sample Chromatogram

+ TIC MRM (\*\* -> \*\*) Negative Blood.d (Negative Blood)



SC

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

Extraction Date: 10/05/21

Plate lot#: IDP-108-2-210609

10mM Ammonium Formate 01/27/2023 SC

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

**Blank Blood Lot:** Lampire 20L20724

**LCMS-QQQ ID:** 069901

Analyst: Sarah Collins

Retest Date: 12/09/2021

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

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

**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: 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: Carboxy-THC only evaluated in this run. Due to the pressure maxing out, the run stopped after calibrator 7. The clog was fixed and the calibrators were all reinjected and batch ran with no further problems.

SC

	1	2	3	4	5	6
A	IS + Cal. 1	negative blood	p2021-3233-1	p2021-3272-1	p2021-3303-1	m2021-4198-2
B	IS + Cal. 2		p2021-3234-1	p2021-3273-1	p2021-3319-1*	p2021-3242-1
C	IS + Cal. 3	m2021-4178-2	p2021-3235-1	p2021-3277-1	p2021-3341-1	p2021-3244-1
D	IS + Cal. 4	m2021-4198-2*	p2021-3236-1	p2021-3278-1	p2021-3342-1	p2021-3319-1
E	IS + Cal. 5	m2021-4202-2	p2021-3242-1*	p2021-3280-1	p2021-3345-2	p2021-3349-1
F	IS + Cal. 6	m2021-4252-3	p2021-3243-1	p2021-3282-1	p2021-3347-1	
G	IS + Cal. 7		p2021-3244-1*	p2021-3297-1	p2021-3348-1	
H	IS + QC_1		p2021-3246-1	p2021-3302-1	p2021-3349-1*	

All wells to contain 100 µl of residual DMSO

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

SC

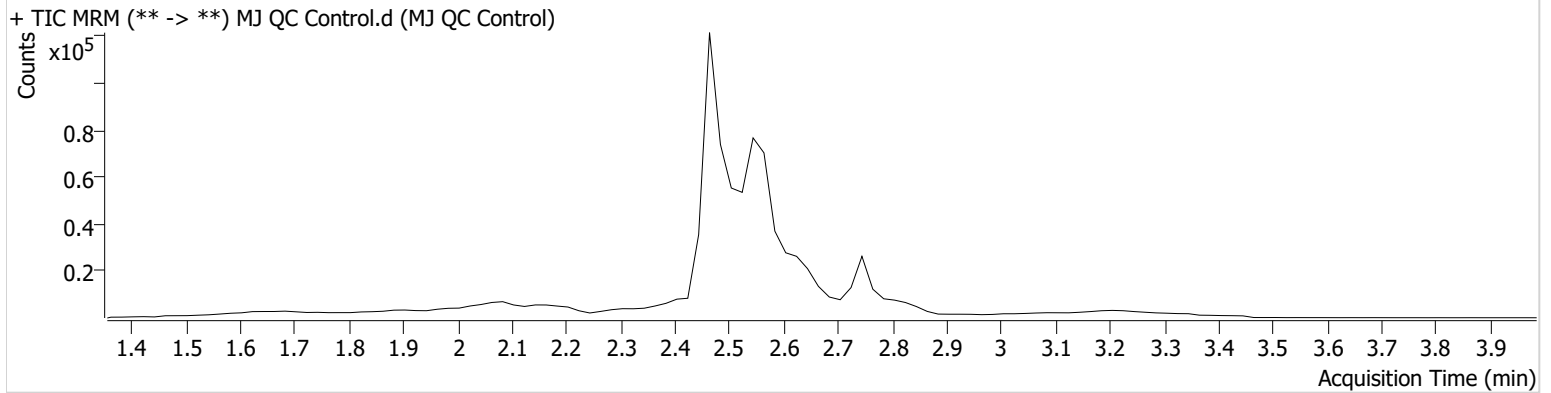


# AM #26 Cannabinoids Screen Results

**Batch results** D:\MassHunter\Data\2021\AM 25-26\100521 AM 25 26 SC\QuantResults\AM 26.batch.bin  
**Calibration Last Update** 10/6/2021 7:09:24 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>	10/5/2021 3:20:42 PM		
<b>Sample Info.</b>			

## Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC-COOH	2.567	21346	90612	14.9213 ng/ml
THC-OH	2.474	2212	452742	4.5878 ng/ml

SC

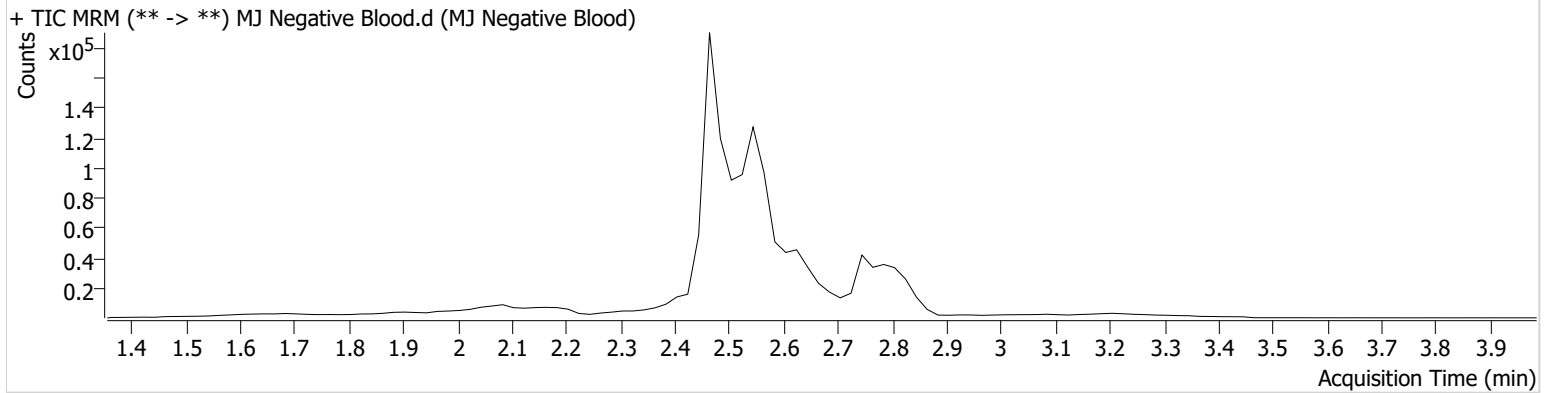


# AM #26 Cannabinoids Screen Results

**Batch results** D:\MassHunter\Data\2021\AM 25-26\100521 AM 25 26 SC\QuantResults\AM 26.batch.bin  
**Calibration Last Update** 10/6/2021 7:09:24 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>	10/5/2021 3:33:50 PM		
<b>Sample Info.</b>			

## Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	2.658 <b>Low</b>	471	33455	0.2768 ng/ml <b>Low</b>



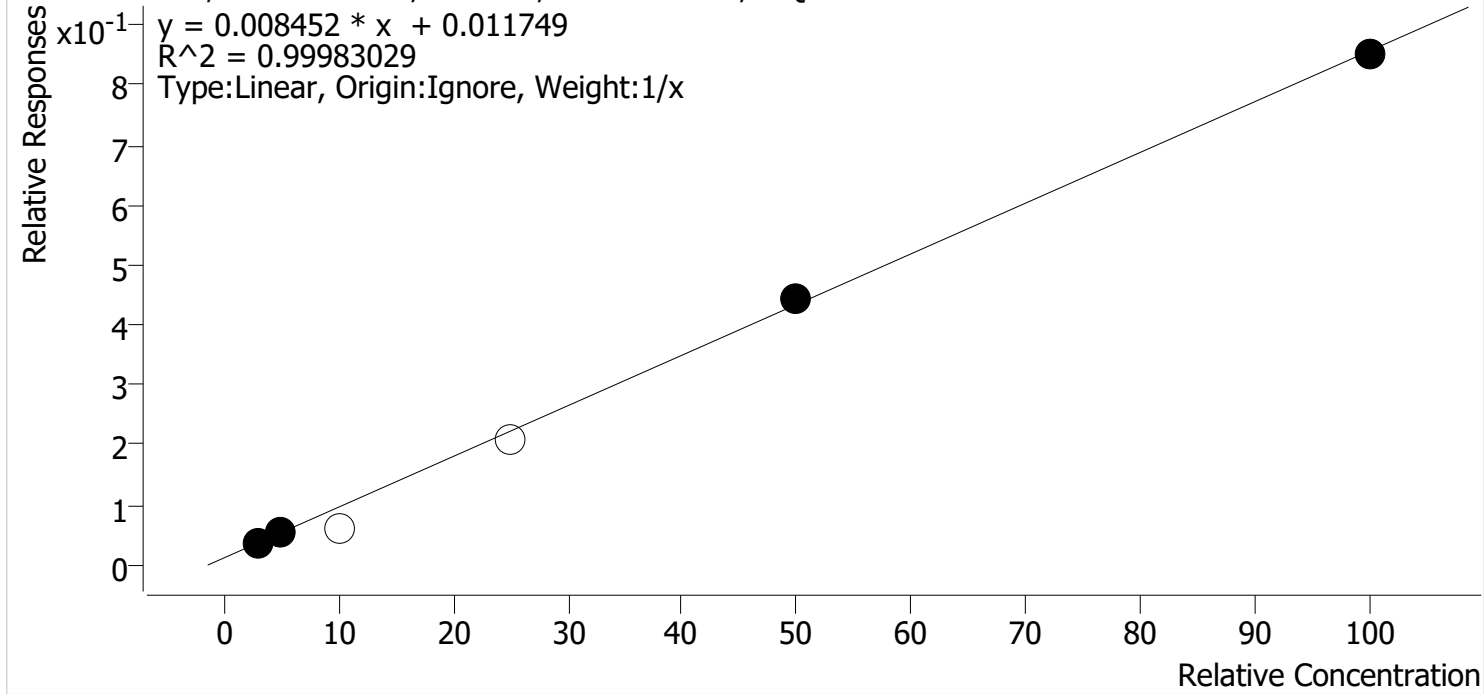
SC



# AM #26 Cannabinoids Screen Calibration Curve Report

**Batch results** D:\MassHunter\Data\2021\AM 25-26\100521 AM 25 26 SC\QuantResults\AM 26.batch.bin  
**Last Cal. Update** 10/6/2021 7:09 AM  
**Analyst Name** ISP\datastor  
**Analyte** THC **Internal Standard** THC-D3

THC - 6 Levels, 4 Levels Used, 6 Points, 4 Points Used, 0 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
MJ Cal 2R	2	✓	3.0	3.0	100.9
MJ Cal 3R	3	✓	5.0	4.9	98.2
MJ Cal 4R	4	✗	10.0	5.5	54.8
MJ Cal 5R	5	✗	25.0	23.1	92.3
MJ Cal 6R	6	✓	50.0	50.8	101.7
MJ Cal 7R	7	✓	100.0	99.2	99.2

Compound not evaluated in this batch

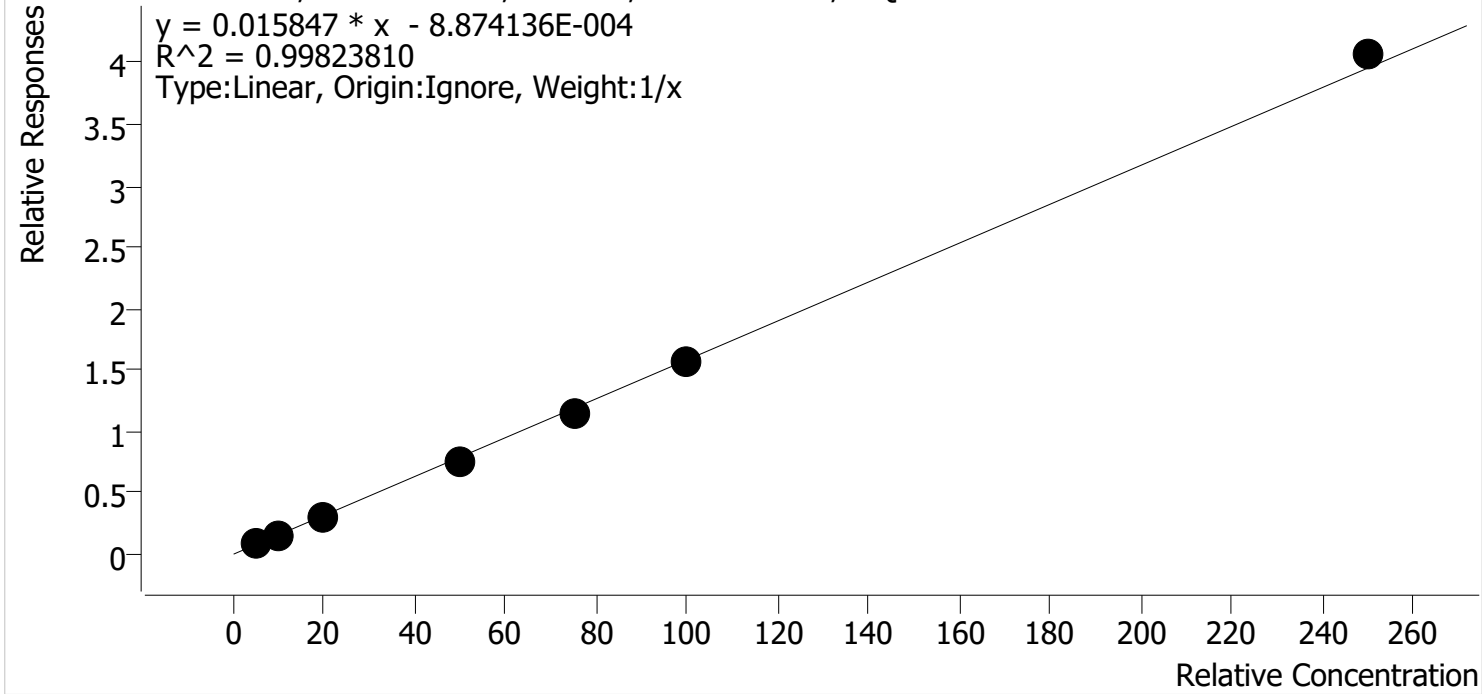
SC



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**Batch results** D:\MassHunter\Data\2021\AM 25-26\100521 AM 25 26 SC\QuantResults\AM 26.batch.bin  
**Last Cal. Update** 10/6/2021 7:09 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
MJ Cal 1R	1	✓	5.0	5.9	118.8
MJ Cal 2R	2	✓	10.0	9.3	93.0
MJ Cal 3R	3	✓	20.0	19.0	94.8
MJ Cal 4R	4	✓	50.0	47.4	94.8
MJ Cal 5R	5	✓	75.0	72.8	97.0
MJ Cal 6R	6	✓	100.0	98.7	98.7
MJ Cal 7R	7	✓	250.0	256.9	102.7

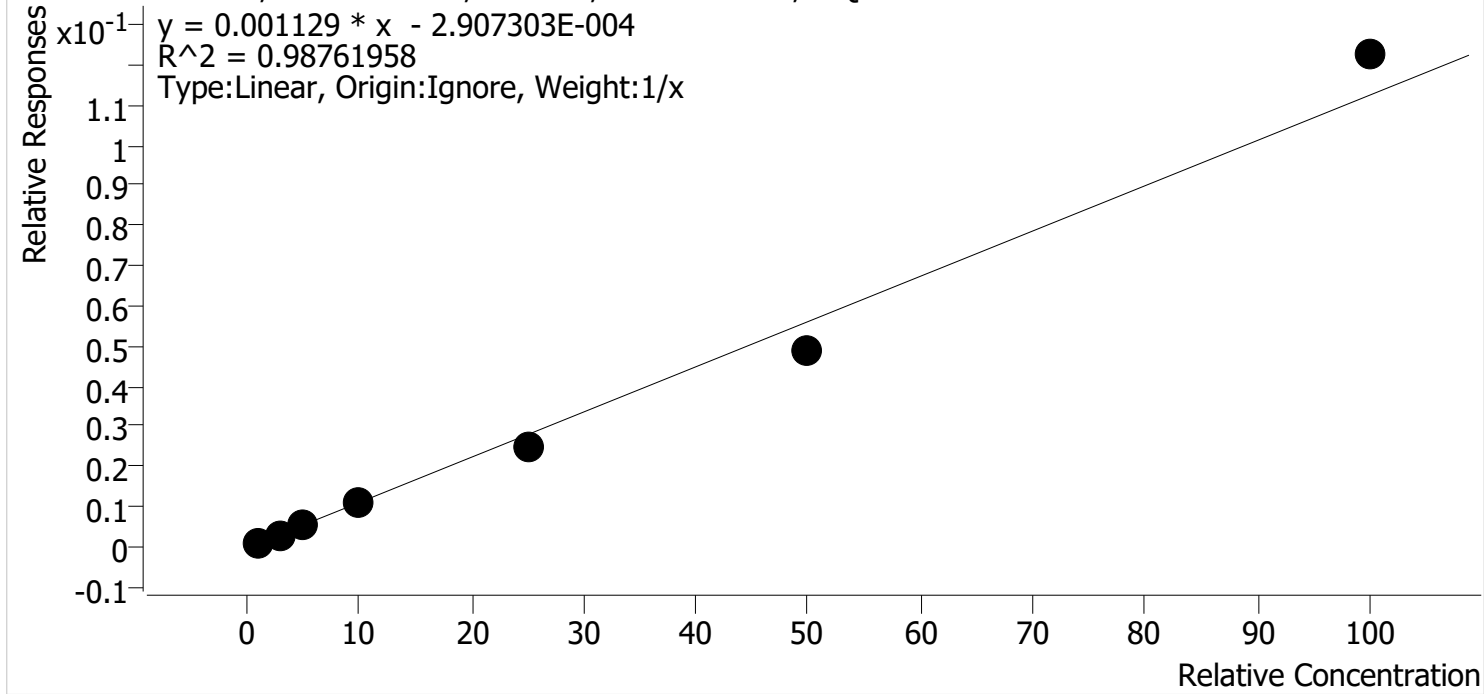
SC



# AM #26 Cannabinoids Screen Calibration Curve Report

**Batch results** D:\MassHunter\Data\2021\AM 25-26\100521 AM 25 26 SC\QuantResults\AM 26.batch.bin  
**Last Cal. Update** 10/6/2021 7:09 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
MJ Cal 1R	1	✓	1.0	1.1	112.3
MJ Cal 2R	2	✓	3.0	2.8	93.1
MJ Cal 3R	3	✓	5.0	5.4	108.1
MJ Cal 4R	4	✓	10.0	10.3	102.7
MJ Cal 5R	5	✓	25.0	22.0	87.9
MJ Cal 6R	6	✓	50.0	43.5	87.0
MJ Cal 7R	7	✓	100.0	108.9	108.9

Compound not evaluated in this batch

SC

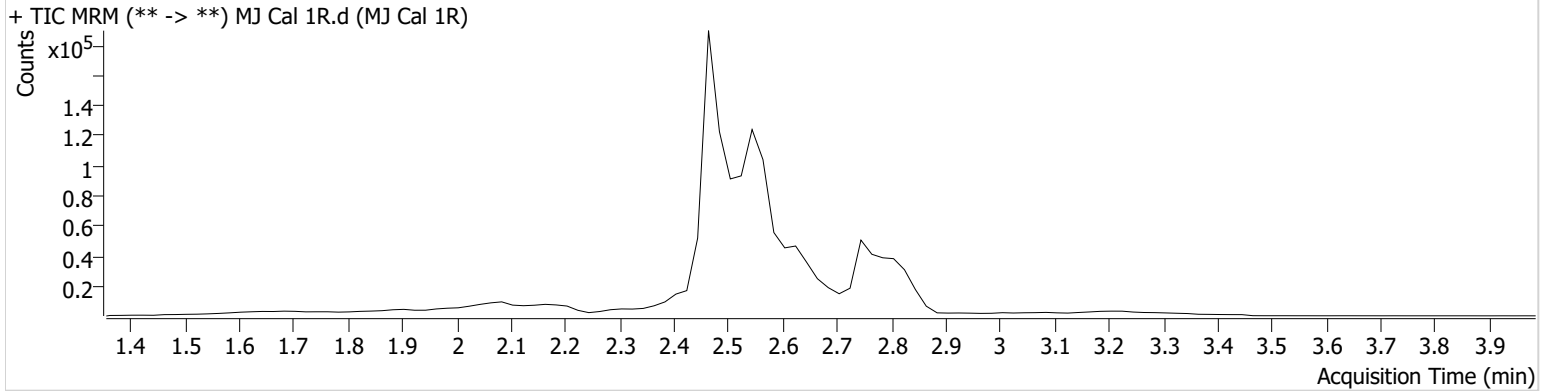


# AM #26 Cannabinoids Screen Results

**Batch results** D:\MassHunter\Data\2021\AM 25-26\100521 AM 25 26 SC\QuantResults\AM 26.batch.bin  
**Calibration Last Update** 10/6/2021 7:09:24 AM

<b>Instrument</b>	Falco (069901)	<b>Data File</b>	MJ Cal 1R.d
<b>Type</b>	Cal	<b>Sample</b>	MJ Cal 1R
<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>	10/5/2021 2:34:39 PM		

**Sample Chromatogram**



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC-COOH	2.567	12278	131661	5.9407 ng/ml
THC-OH	2.474	666	682145	1.1225 ng/ml <b>Low</b>

SC

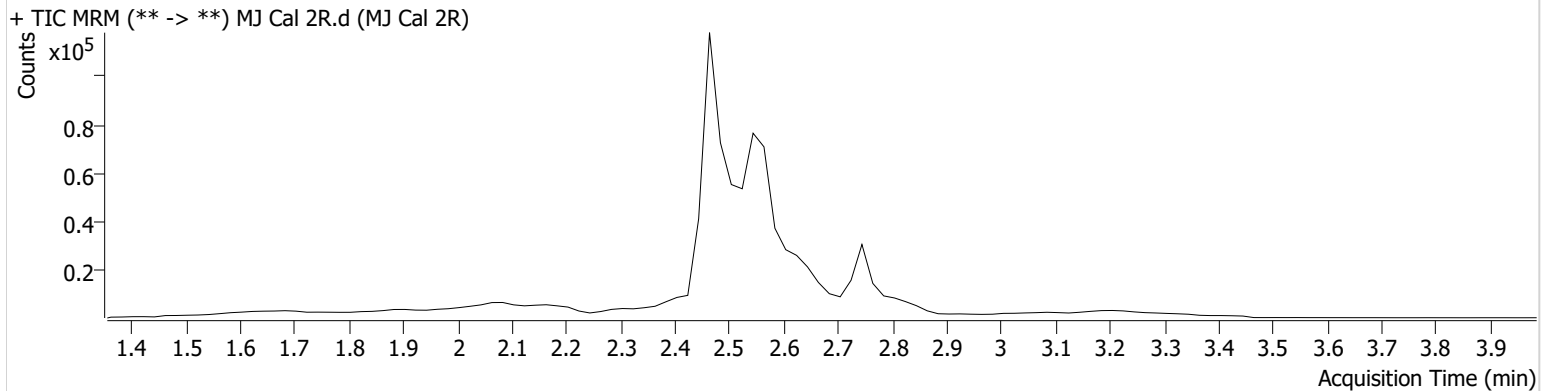


# AM #26 Cannabinoids Screen Results

**Batch results** D:\MassHunter\Data\2021\AM 25-26\100521 AM 25 26 SC\QuantResults\AM 26.batch.bin  
**Calibration Last Update** 10/6/2021 7:09:24 AM

<b>Instrument</b>	Falco (069901)	<b>Data File</b>	MJ Cal 2R.d
<b>Type</b>	Cal	<b>Sample</b>	MJ Cal 2R
<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>	10/5/2021 2:41:22 PM		

## Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	2.799	266	7120	3.0258 ng/ml
THC-COOH	2.567	14023	95701	9.3019 ng/ml
THC-OH	2.474	1336	466626	2.7944 ng/ml <b>Low</b>

SC

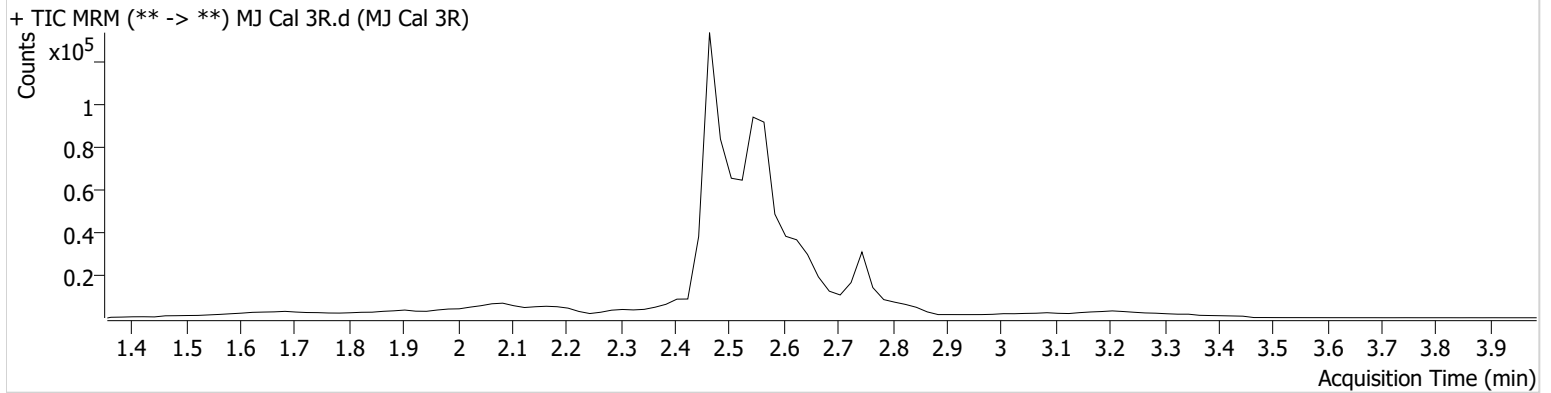


# AM #26 Cannabinoids Screen Results

**Batch results** D:\MassHunter\Data\2021\AM 25-26\100521 AM 25 26 SC\QuantResults\AM 26.batch.bin  
**Calibration Last Update** 10/6/2021 7:09:24 AM

<b>Instrument</b>	Falco (069901)	<b>Data File</b>	MJ Cal 3R.d
<b>Type</b>	Cal	<b>Sample</b>	MJ Cal 3R
<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>	10/5/2021 2:47:55 PM		
<b>Sample Info.</b>			

## Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	2.799	354	6651	4.9118 ng/ml
THC-COOH	2.567	34968	116720	18.9608 ng/ml
THC-OH	2.474	3039	523284	5.4031 ng/ml

SC

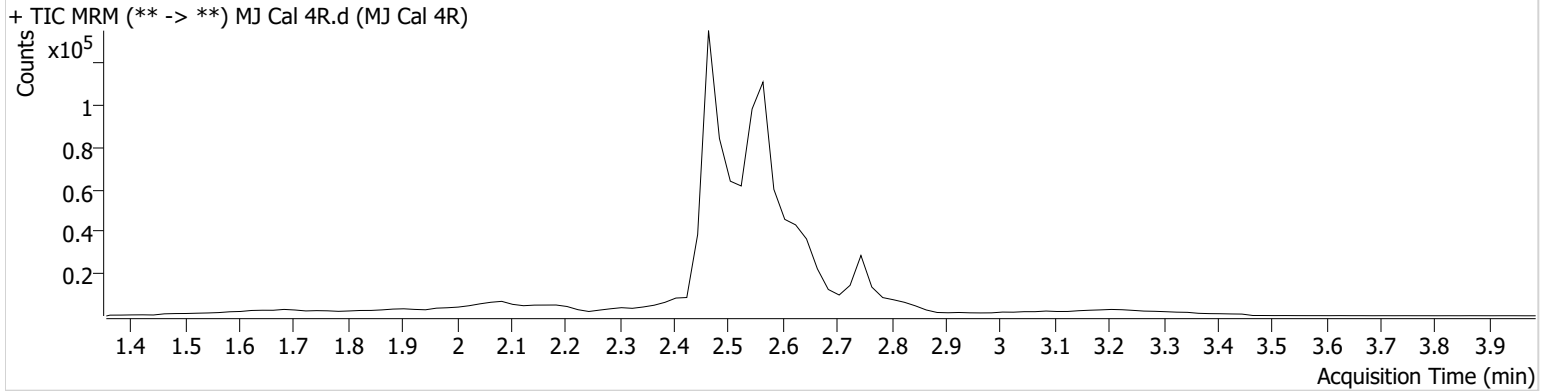


# AM #26 Cannabinoids Screen Results

**Batch results** D:\MassHunter\Data\2021\AM 25-26\100521 AM 25 26 SC\QuantResults\AM 26.batch.bin  
**Calibration Last Update** 10/6/2021 7:09:24 AM

<b>Instrument</b>	Falco (069901)	<b>Data File</b>	MJ Cal 4R.d
<b>Type</b>	Cal	<b>Sample</b>	MJ Cal 4R
<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>	10/5/2021 2:54:29 PM		

**Sample Chromatogram**



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	2.819	411	7081	5.4762 ng/ml
THC-COOH	2.567	76121	101415	47.4196 ng/ml
THC-OH	2.474	5501	487033	10.2673 ng/ml

SC

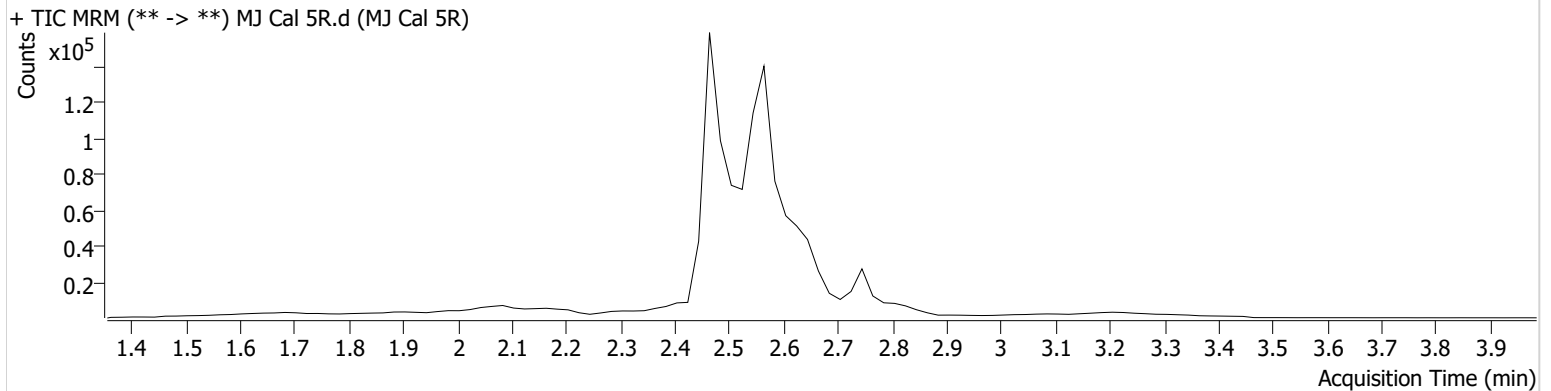


# AM #26 Cannabinoids Screen Results

**Batch results** D:\MassHunter\Data\2021\AM 25-26\100521 AM 25 26 SC\QuantResults\AM 26.batch.bin  
**Calibration Last Update** 10/6/2021 7:09:24 AM

<b>Instrument</b>	Falco (069901)	<b>Data File</b>	MJ Cal 5R.d
<b>Type</b>	Cal	<b>Sample</b>	MJ Cal 5R
<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>	10/5/2021 3:01:02 PM		
<b>Sample Info.</b>			

## Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	2.819	1457	7045	23.0783 ng/ml
THC-COOH	2.567	113840	98779	72.7792 ng/ml
THC-OH	2.474	11873	484300	21.9809 ng/ml



SC

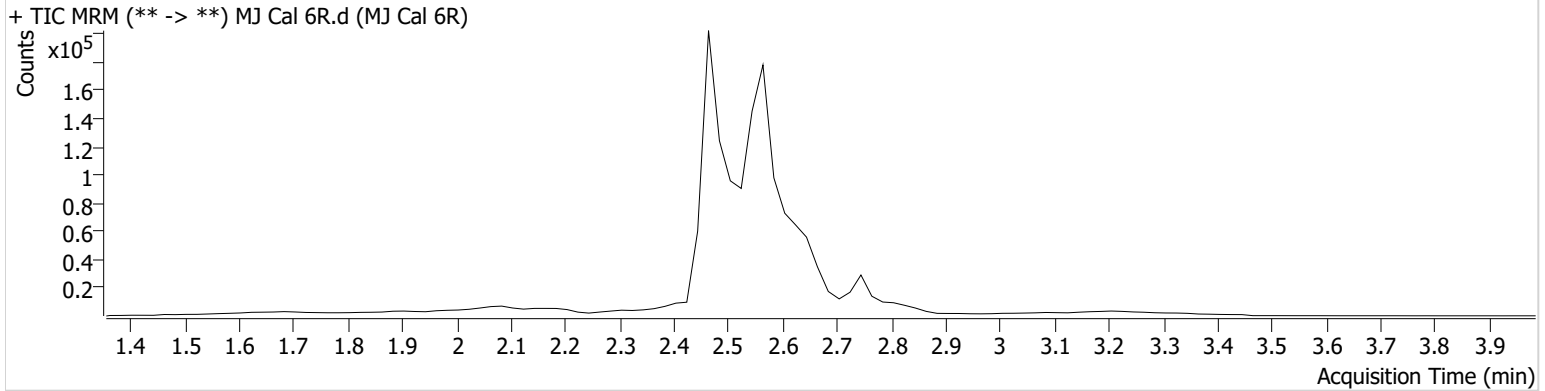


# AM #26 Cannabinoids Screen Results

**Batch results** D:\MassHunter\Data\2021\AM 25-26\100521 AM 25 26 SC\QuantResults\AM 26.batch.bin  
**Calibration Last Update** 10/6/2021 7:09:24 AM

<b>Instrument</b>	Falco (069901)	<b>Data File</b>	MJ Cal 6R.d
<b>Type</b>	Cal	<b>Sample</b>	MJ Cal 6R
<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>	10/5/2021 3:07:36 PM		

**Sample Chromatogram**



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	2.819	3215	7283	50.8412 ng/ml
THC-COOH	2.567	158679	101463	98.7419 ng/ml
THC-OH	2.474	24711	506254	43.5109 ng/ml

SC

# AM #26 Cannabinoids Screen Results

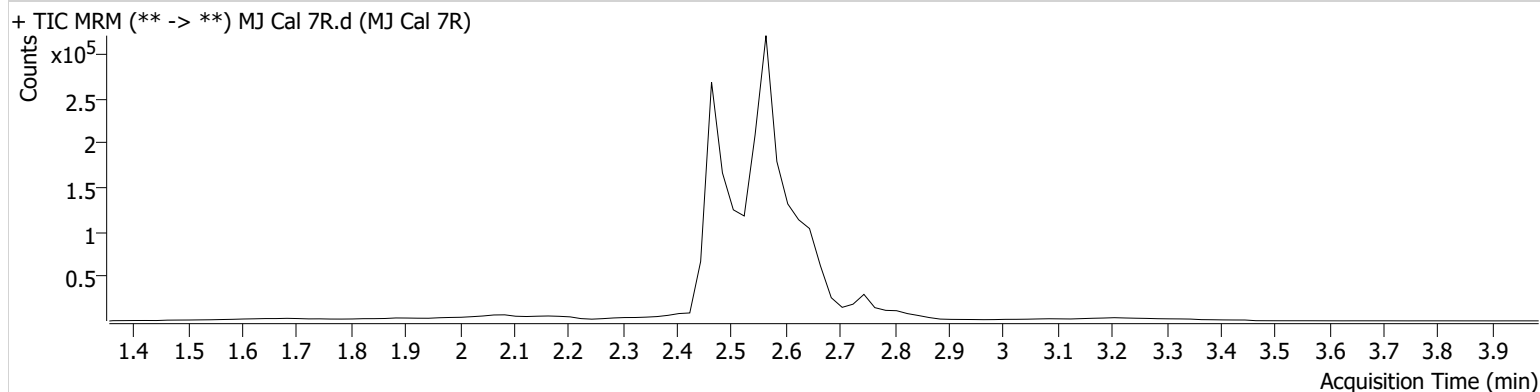


**Batch results** D:\MassHunter\Data\2021\AM 25-26\100521 AM 25 26 SC\QuantResults\AM 26.batch.bin  
**Calibration Last Update** 10/6/2021 7:09:24 AM

<b>Instrument</b>	Falco (069901)	<b>Data File</b>	MJ Cal 7R.d
<b>Type</b>	Cal	<b>Sample</b>	MJ Cal 7R
<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>	10/5/2021 3:14:09 PM		

**Sample Info.**

## Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	2.819	6577	7735	99.2212 ng/ml
THC-COOH	2.567	377892	92857	256.8559 ng/ml
THC-OH	2.474	58023	473171	108.9208 ng/ml