













**Worklist: 4868**

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
M2021-0843	2	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
*M2021-1056	8	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2021-1061	3	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2021-1132	3	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2021-1162	2	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-0609	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-0612	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-0625	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-0665	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-0784	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-0785	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-0786	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-0787	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-0788	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-0790	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-0791	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-0796	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-0812	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-0832	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-0833	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-0834	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	

\*Case sample is included in this worklist; however, there was not enough sample to run AM 25 and 26.

**Worklist: 4868**

8C

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
P2021-0835	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-0839	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-0840	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-0846	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	

8C

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

Extraction Date: 03/30/21  
 Plate lot#: IDP-120-201206

Analyst: Sarah Collins  
 Plate Expiration: 6/6/2021

**Mobile phase A:** 10mM Amm Form  
 0.5M Ammonium Hydroxide  
**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. Pipette **250 µL blood (calibrated pipette)** in wells of analytical (standards) plate. **Pipette ID: #16**
- 3. Place on shaking incubator at ambient temp., 900 rpm for 15 minutes.
- 4. Pipette **250 µL of 0.5 M ammonium hydroxide** in wells of analytical plate.
- 5. Place on shaking incubator at ambient temp., 900 rpm for 15 minutes.
- 6. Transfer **300 µL of blood+base** 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)*
- 8. Wait 5 minutes.
- 9. Add **900 µL ethyl acetate.**
- 10. Wait 5 minutes.
- 11. Apply positive pressure for approx. 10-15 seconds. *(12-15 PSI- Selector to the left).*
- 12. Add **900 µL ethyl acetate.**
- 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.
- 16. Reconstitute in **100 µL 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 5 or greater or 2-5 for discretionary range.
- 4. Did all QCs pass for each analyte? Y / N \_\_\_\_\_
- 5. Central File Packet to include: LIMS Worklist, Method Checklist, Calibration and Control Reports

COMMENTS:

8C

	1	2	3	4	5	6	7	8	9	10	11	12
A	IS + Cal. 1					negative	p2021-0625-1	p2021-0791-1	p2021-0840-1			
B	IS + Cal. 1					m2021-0843-2	p2021-0665-1	p2021-0796-1	p2021-0846-1			
C						not enough sample m2021- 1056-8	p2021-0784-1	p2021-0812-1				
D						m2021-1061-3	p2021-0785-1	p2021-0832-1				
E						m2021-1132-3	p2021-0786-1	p2021-0833-1				
F						m2021-1162-2	p2021-0787-1	p2021-0834-1				
G						p2021-0609-1	p2021-0788-1	p2021-0835-1				IS + Cal. 1
H						p2021-0612-1	p2021-0790-1	p2021-0839-1				IS + Cal. 1

SC

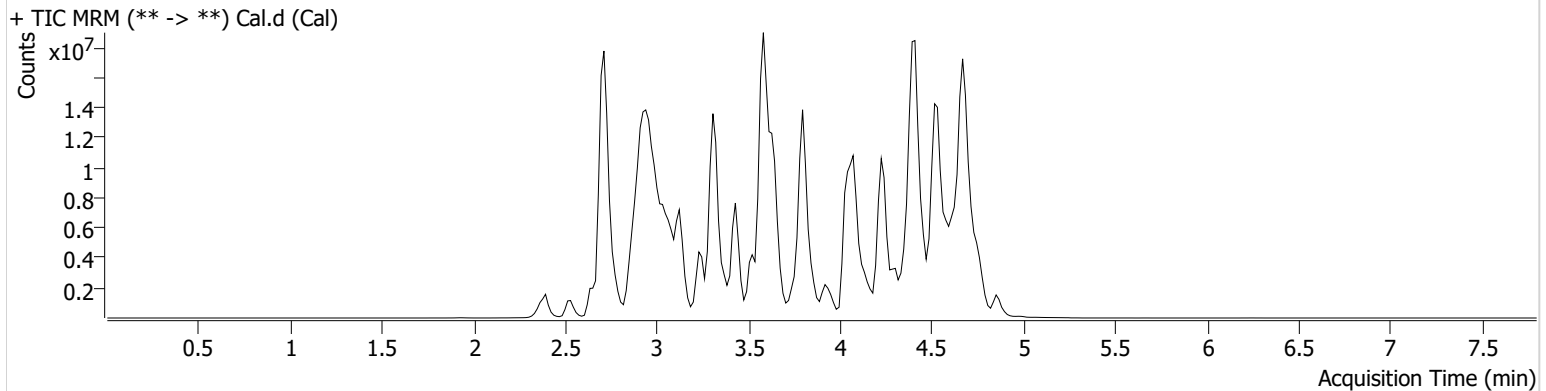


# AM #25 Multi-Drug Screen Results

**Batch results** D:\MassHunter\Data\2021\AM 25-26\033021 AM 25 26 SC\QuantResults\AM 25.batch.bin  
**Calibration Last Update** 4/1/2021 11:53:21 AM

<b>Instrument</b>	Instrument 1	<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-G12	<b>Comment</b>	
<b>Injection Volume</b>	5		
<b>Acq. Date-Time</b>	3/30/2021 5:31:57 PM		

**Sample Chromatogram**



Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
6-MAM	2.953	103291	49717.32	44115.87	2884324	10.0000
7-aminoclonazepam	3.584	2101758	352.57	1642.31	8873092	10.0000
7-aminoflunitrazepam	3.783	3257470	1676.30	790.74	8873092	10.0000
Acetyl Fentanyl	3.948	98203	54.85	38822.83	32927398	10.0000
Acetyl Norfentanyl	2.886	474633	1409.20	392.29	32927398	10.0000
a-hydroxyalprazolam	4.531	732864	167.26	224.44	8873092	10.0000
alpha-hydroxymidazolam	4.606	4137808	470.99	732.80	8873092	10.0000
Alpha-PHP	3.849	2980267	12224.94	3785.53	32927398	10.0000
alpha-PVP	3.575	4566448	895.97	598.47	8439057	10.0000
Alprazolam	4.626	5554635	1003.88	∞	32663471	10.0000
Amitriptyline	4.461	102815	7.00	41.86	435635	10.0000
Amphetamine	2.905	2849368	706.36	277.08	8439057	10.0000
Benzoylcegonine	3.385	470172	674.83	∞	779537	10.0000
Brompheniramine	4.041	28598	247.28	224.75	22332710	10.0000
Buprenorphine	4.801	276900	7179.88	4006.06	1201454	10.0000
Bupropion	3.819	3630733	1663.70	541.07	13590837	10.0000
Carbamazepine	4.250	16541875	∞	1657.78	1534051	10.0000
Carisoprodol	4.233	2216663	681.24	199.27	13404369	10.0000
Chlordiazepoxide	4.750	2824858	2812.29	1439.04	32663471	10.0000
Chlorpheniramine	3.954	2319326	796.44	6.39	22332710	10.0000
Citalopram	4.086	1148005	236.89	291302.44	22332710	10.0000
Clomipramine	4.655	150854	5021.93	483.62	22332710	10.0000
Clonazepam	4.455	3053901	819.62	4174.97	32663471	10.0000
Clonazolam	4.375	3249497	1692910.62	954162.09	32663471	10.0000
Cocaethylene	3.796	5856030	3092952.35	1323981.84	32127834	10.0000
Cocaine	3.582	6723186	4912977.43	567.01	32127834	10.0000
Codeine	2.866	579208	214.99	1394.20	16459352	10.0000
Cyclobenzaprine	4.370	178355	108.14	4.15 <b>Low</b>	435635	10.0000
Desipramine	4.386	242781	185.84	36.76	435635	10.0000
Dextromethorphan	4.093	472372	176.58	1336.59	2559011	10.0000
Dextrorphan	3.372	2533893	4846627.24	889511.21	2559011	10.0000
Diazepam	4.859	1969464	1605.90	1043.28	32663471	10.0000
Dihydrocodeine	2.774	1635026	368.20	1216.61	16459352	10.0000
Diphenhydramine	4.047	3056328	742.91	1811.82	22332710	10.0000

Cal

SC



# AM #25 Multi-Drug Screen Results

Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
Doxepin	4.168	219621	112.04	74.82	9672523	10.0000
Doxylamine	3.647	10704693	7112.22	844.06	2559011	10.0000
EDDP	4.076	684751	329.84	129.50	1663212	10.0000
Estazolam	4.535	11538107	1486.39	1442.33	32663471	10.0000
Etizolam	4.636	656819	326718.12	2039218.77	32663471	10.0000
Fentanyl	4.177	34730	20.46	58.99	2618790	10.0000
Flualprazolam	4.484	2151870	482173.96	1405755.83	32663471	10.0000
Flunitrazepam	4.579	5871383	1144.27	1081.96	32663471	10.0000
Fluoxetine	4.335	131483	96.44	7.70	359597	10.0000
Flurazepam	4.252	1718308	1587.68	112696.58	32663471	10.0000
Hydrocodone	3.064	2324799	3327.42	352.64	16459352	10.0000
Hydromorphone	2.534	2091615	17449.90	17096.33	334133	10.0000
Imipramine	4.414	419615	846.61	21.83	435635	10.0000
Ketamine	3.635	4672261	5213.68	258.34	22828897	10.0000
Lamotrigine	3.618	429048	7985.91	14941.84	22332710	10.0000
Levamisole	3.009	3706876	15223.17	725.32	32127834	10.0000
Levetiracetam	2.659	2064613	351.59	1797.90	22332710	10.0000
Lorazepam	4.439	1074743	746.11	332.03	32663471	10.0000
Maprotiline	4.461	70353	7.56	16.27	435635	10.0000
MDA	3.010	2876450	648.71	180.26	21675379	10.0000
MDEA	3.238	4373762	583.44	330.96	21675379	10.0000
MDMA	3.085	6063297	1272.86	4215.36	21675379	10.0000
Meperidine	3.619	1967971	731.87	321.82	2559011	10.0000
Meprobamate	3.668	1433680	1097.92	16344.08	13404369	10.0000
Methadone	4.395	1457302	372.67	410.27	1663212	10.0000
Methamphetamine	2.996	5041437	109.80	441.37	21675379	10.0000
Methocarbamol	3.589	1069129	453.37	1386.46	1663212	10.0000
Methylphenidate	3.528	9747205	80.18	2106.46	16883430	10.0000
Metoprolol	3.433	793229	306.23	347640.46	2559011	10.0000
Midazolam	4.776	780073	420.53	924899.17	32663471	10.0000
Mirtazapine	4.094	1375351	506727.96	1170.56	2559011	10.0000
Mitragynine	4.251	72720	33084.54	99926.73	2559011	10.0000
Morphine	2.367	409739	∞	365.63	334133	10.0000
Norbuprenorphine	3.838	30305	22368.46	13112.76	1201454	10.0000
Nordiazepam	4.707	2692975	820.36	776.20	32663471	10.0000
Norfentanyl	3.329	8358298	499.29	854.66	32927398	10.0000
Norhydrocodone	2.929	54228	81.40	66.80	334133	10.0000
Norketamine	3.759	972022	373.04	29399.62	22828897	10.0000
Normeperidine	3.605	1403975	314.47	177.05	22332710	10.0000
Noroxycodone	2.881	2203305	1096.75	232.86	22828897	10.0000
Nortriptyline	4.432	71332	152.75	52.43	435635	10.0000
O-desmethyl-tramadol	2.915	10228761	86445.50	410.83	22332710	10.0000
Olanzapine	3.873	315570	487.93	144.84	1534051	10.0000
Oxazepam	4.521	5328095	1437.15	804.93	21844540	10.0000
Oxycodone	2.939	4860317	1396.04	13976.09	22828897	10.0000
Oxymorphone	2.378	2133794	496.52	5811.12	334133	10.0000
Paroxetine	4.346	19393	188.54	4857.28	359597	10.0000
Phenazepam	4.651	4642435	1828.15	170754.52	32663471	10.0000
Phencyclidine	3.926	2975766	269.66	499.33	2559011	10.0000
Phentermine	3.149	1368711	129.65	38.30	16883430	10.0000
Phenytoin	4.141	2472161	72001.41	1143.30	1534051	10.0000
Promethazine	4.383	514033	62.38	85.38	22332710	10.0000
Pseudoephedrine	2.720	47715290	13997.80	1794.36	21675379	10.0000
Quetiapine	4.574	2004755	1427767.03	778419.72	41130546	10.0000
Sertraline	4.581	63597	35989.32	122.82	359597	10.0000
Sufentanil	4.558	23977	17637.94	23.58	32927398	10.0000
Tapentadol	3.438	6377702	1819.82	430.59	22828897	10.0000
Temazepam	4.673	8680973	3447.69	297.08	32663471	10.0000
Tramadol	3.433	11003910	1391.66	∞	22332710	10.0000
Trazodone	4.757	2211426	649.61	128.17	9672523	10.0000

Cal

SC

# AM #25 Multi-Drug Screen Results



Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
Venlafaxine	3.800	6894411	525.70	496.05	359597	10.0000
Zaleplon	4.351	5168389	2444736.17	5357.96	41130546	10.0000
Zolpidem	4.411	14466044	6949931.88	3833538.41	41130546	10.0000
Zopiclone	4.298	1248907	867165.71	485561.62	6970889	10.0000

SC

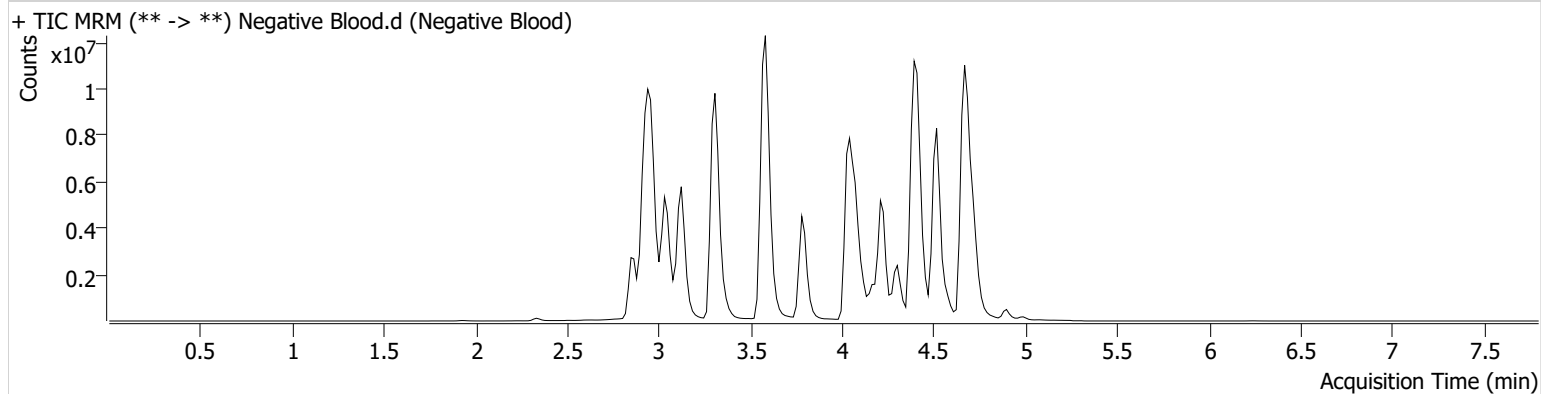


# AM #25 Multi-Drug Screen Results

**Batch results** D:\MassHunter\Data\2021\AM 25-26\033021 AM 25 26 SC\QuantResults\AM 25.batch.bin  
**Calibration Last Update** 4/1/2021 11:53:21 AM

<b>Instrument</b>	Instrument 1	<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-A6	<b>Comment</b>	
<b>Injection Volume</b>	5		
<b>Acq. Date-Time</b>	3/30/2021 5:40:30 PM		
<b>Sample Info.</b>			

## Sample Chromatogram





80

**AM# 26: THC and Metabolites Screen in Blood by LC-MS/MS**Extraction Date: 03/30/21Analyst: Sarah Collins

Plate lot#: IDP-108-2-201206

Plate Expiration: 06/06/21

**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:** Lampire 20L20724**Column:** Phenomenex Phenyl Hexyl (4.6x50mm: 2.6 um)**LCMS-QQ 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. Pipette **1000 µL blood (calibrated pipette)** in wells of analytical (standards) plate. **Pipette ID: #3382167**
- 3. Place on shaking incubator at ambient temp., 900 rpm for 15 minutes.
- 4. Pipette **500 µL 0.1% formic acid** in wells of analytical plate.
- 5. Place on shaking incubator at ambient temp., 900 rpm for 15 minutes.
- 6. Transfer **800 µL of blood+base** 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)**
- 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.
- 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 (analyst discretion between 5-10 ng/mL).
- 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? Y / N
- 5. Central File Packet to include: LIMS Worklist, Method Checklist, Calibration and Control Reports

COMMENTS: Case sample P2021-0625-1 was reinjected due to low internal standard response. Reinject data used.  
Case sample P2021-0482 was ran with this batch due to inadvertently not being injected with initial batch.

8C

	1	2	3	4	5	6
A	IS + Cal. 1	negative	p2021-0625-1	p2021-0791-1	p2021-0840-1	IS + QC_1
B	IS + Cal. 2	m2021-0843-2*	p2021-0665-1	p2021-0796-1	p2021-0846-1	IS + Cal. 7
C	IS + Cal. 3	not enough sample m2021-1056-8	p2021-0784-1	p2021-0812-1	p2021-0482-1	IS + Cal. 6
D	IS + Cal. 4	m2021-1061-3	p2021-0785-1	p2021-0832-1	m2021-0843-2	IS + Cal. 5
E	IS + Cal. 5	m2021-1132-3	p2021-0786-1	p2021-0833-1	p2021-0834-1	IS + Cal. 4
F	IS + Cal. 6	m2021-1162-2	p2021-0787-1	p2021-0834-1*		IS + Cal. 3
G	IS + Cal. 7	p2021-0609-1	p2021-0788-1	p2021-0835-1		IS + Cal. 2
H	IS + QC_1	p2021-0612-1	p2021-0790-1	p2021-0839-1		IS + Cal. 1

All wells to contain 100 µl of residual DMSO

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

SC

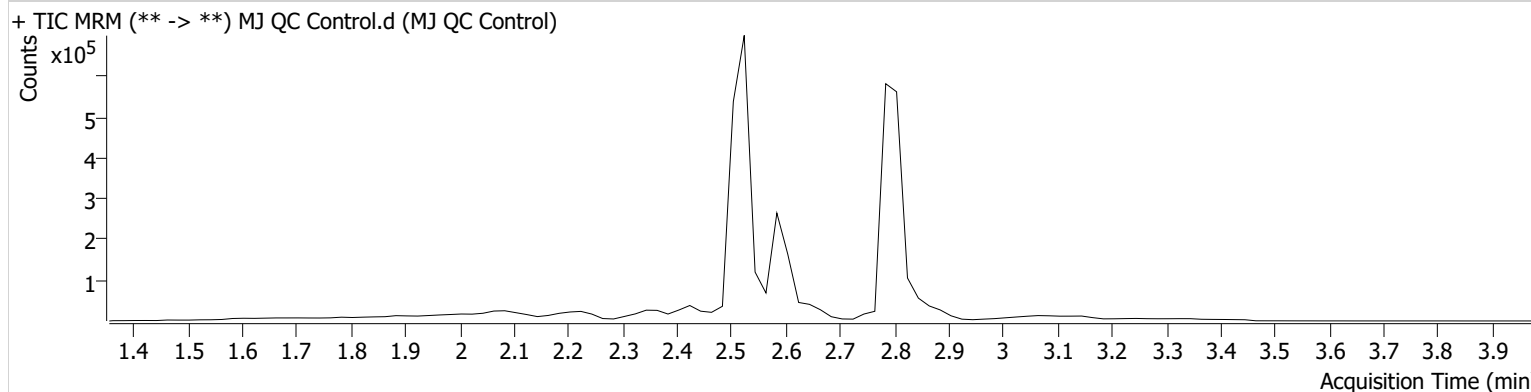


# AM #26 Cannabinoids Screen Results

**Batch results** D:\MassHunter\Data\2021\AM 25-26\033021 AM 25 26 SC\QuantResults\AM 26.batch.bin  
**Calibration Last Update** 4/1/2021 10:42:40 AM

<b>Instrument</b>	Instrument 1	<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>	3/30/2021 12:15:50 PM		
<b>Sample Info.</b>			

**Sample Chromatogram**



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	2.839	1620	19593	6.4148 ng/ml
THC-COOH	2.605	117903	359820	14.6781 ng/ml
THC-OH	2.534	9306	1522516	3.9896 ng/ml

SC

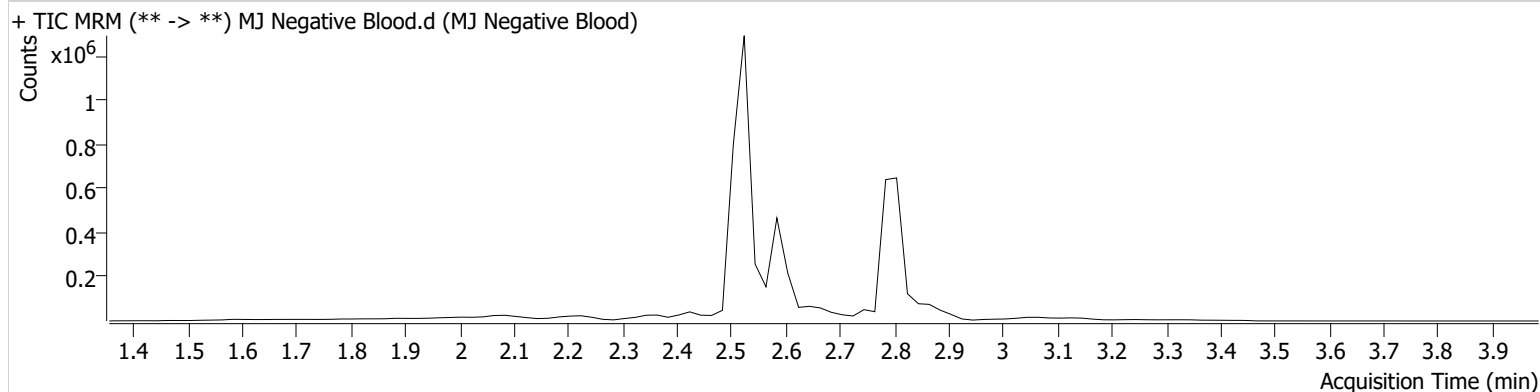


# AM #26 Cannabinoids Screen Results

**Batch results** D:\MassHunter\Data\2021\AM 25-26\033021 AM 25 26 SC\QuantResults\AM 26.batch.bin  
**Calibration Last Update** 4/1/2021 10:42:40 AM

<b>Instrument</b>	Instrument 1	<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>	3/30/2021 12:28:56 PM		
<b>Sample Info.</b>			

## Sample Chromatogram

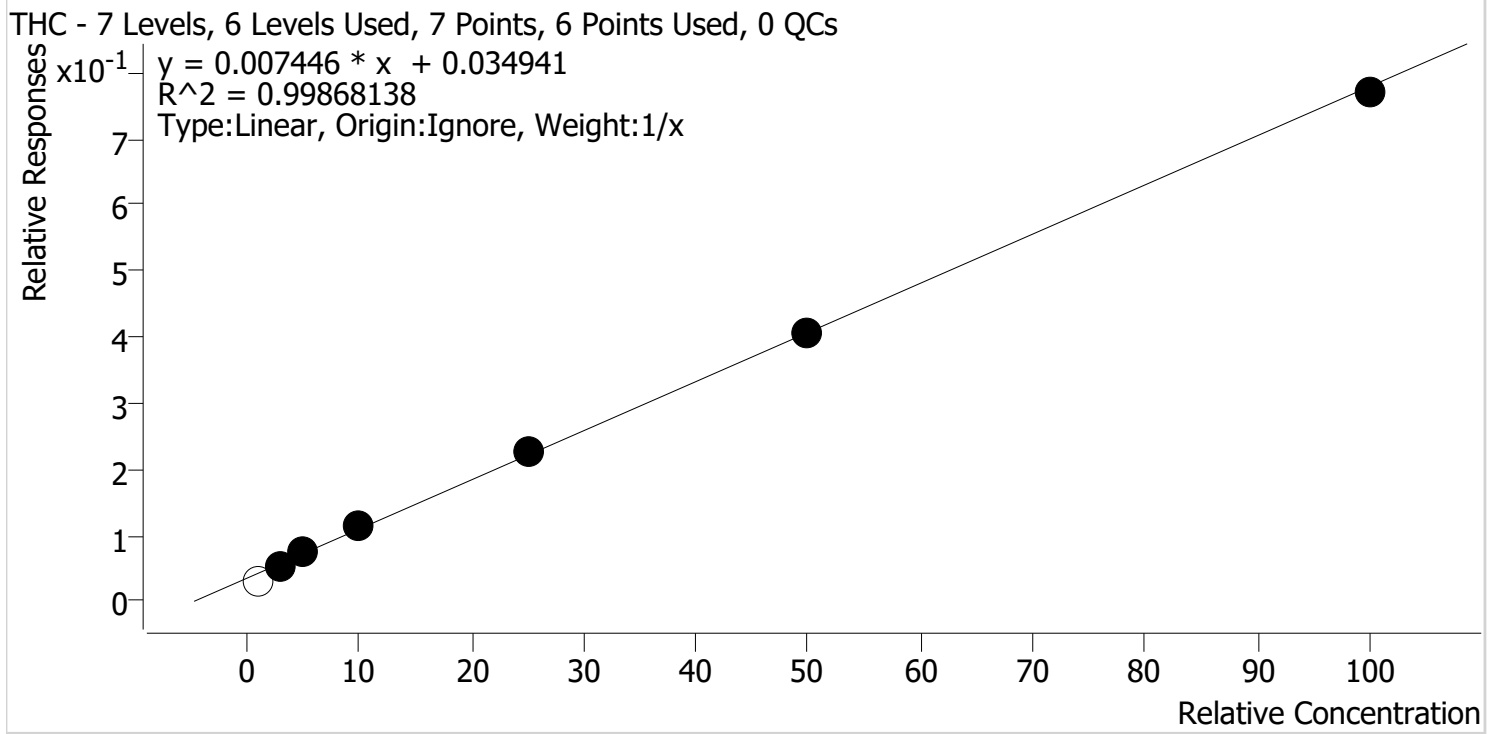


SC



# AM #26 Cannabinoids Screen Calibration Curve Report

**Batch results** D:\MassHunter\Data\2021\AM 25-26\033021 AM 25 26 SC\QuantResults\AM 26.batch.bin  
**Last Cal. Update** 4/1/2021 10:42 AM  
**Analyst Name** ISP\Datastor  
**Analyte** THC **Internal Standard** THC-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
MJ Cal 1	1	x	1.0	0.0	0.0
MJ Cal 2	2	✓	3.0	2.6	86.7
MJ Cal 3	3	✓	5.0	5.1	102.2
MJ Cal 4	4	✓	10.0	11.0	110.0
MJ Cal 5	5	✓	25.0	25.6	102.4
MJ Cal 6	6	✓	50.0	50.0	99.9
MJ Cal 7	7	✓	100.0	98.7	98.7

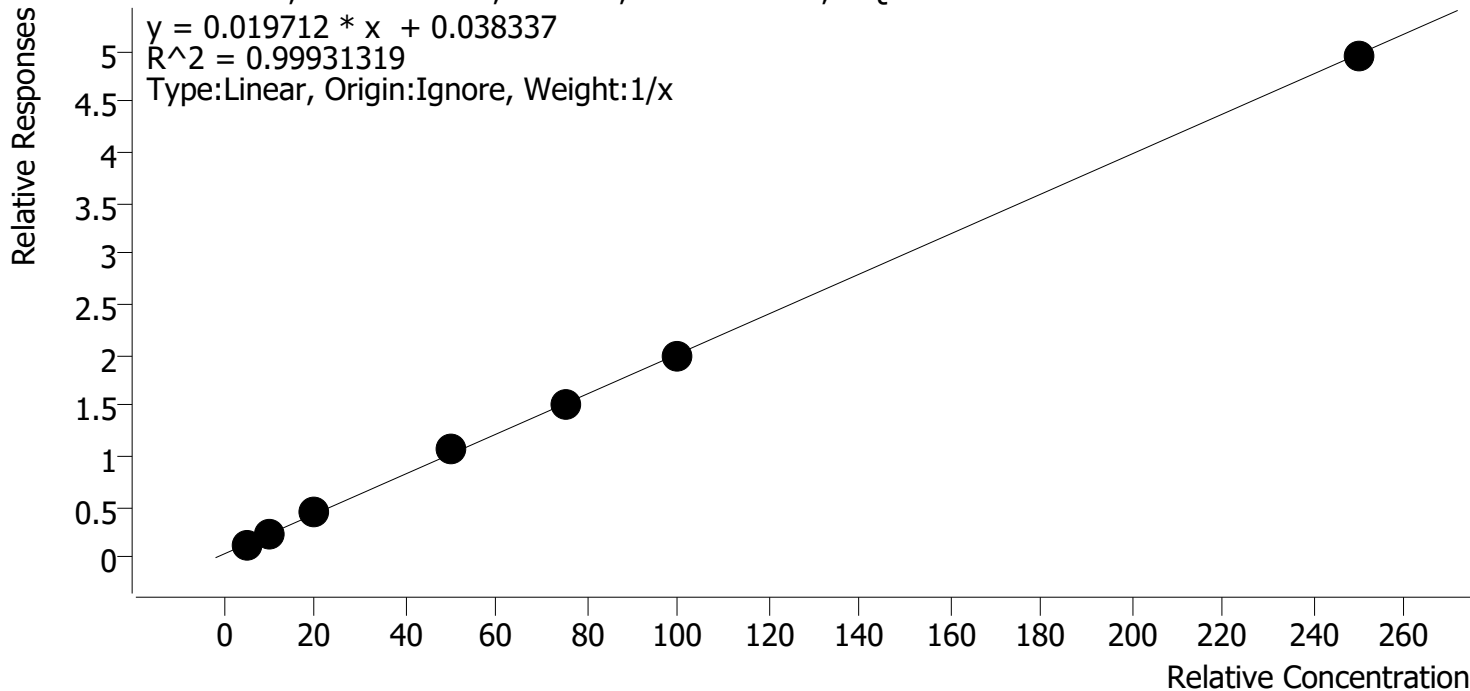
SC



# AM #26 Cannabinoids Screen Calibration Curve Report

**Batch results** D:\MassHunter\Data\2021\AM 25-26\033021 AM 25 26 SC\QuantResults\AM 26.batch.bin  
**Last Cal. Update** 4/1/2021 10:42 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 1	1	✓	5.0	4.6	91.6
MJ Cal 2	2	✓	10.0	10.0	99.8
MJ Cal 3	3	✓	20.0	21.3	106.4
MJ Cal 4	4	✓	50.0	52.4	104.9
MJ Cal 5	5	✓	75.0	74.4	99.2
MJ Cal 6	6	✓	100.0	98.7	98.7
MJ Cal 7	7	✓	250.0	248.6	99.5

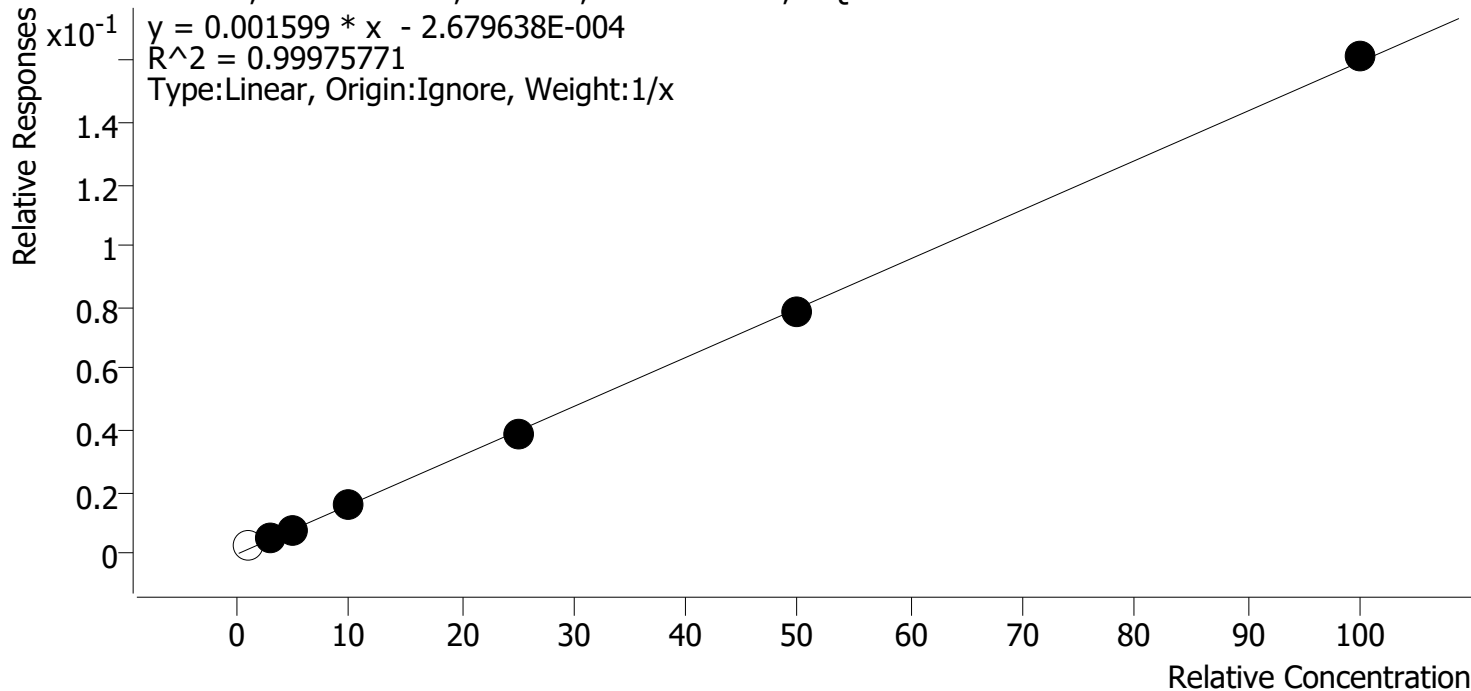
SC



# AM #26 Cannabinoids Screen Calibration Curve Report

**Batch results** D:\MassHunter\Data\2021\AM 25-26\033021 AM 25 26 SC\QuantResults\AM 26.batch.bin  
**Last Cal. Update** 4/1/2021 10:42 AM  
**Analyst Name** ISP\Datastor  
**Analyte** THC-OH **Internal Standard** THC-OH-D3

THC-OH - 7 Levels, 6 Levels Used, 7 Points, 6 Points Used, 0 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
MJ Cal 1	1	x	1.0	1.9	193.3
MJ Cal 2	2	✓	3.0	3.1	102.5
MJ Cal 3	3	✓	5.0	5.0	100.0
MJ Cal 4	4	✓	10.0	10.0	100.0
MJ Cal 5	5	✓	25.0	24.4	97.4
MJ Cal 6	6	✓	50.0	49.5	99.0
MJ Cal 7	7	✓	100.0	101.1	101.1

SC

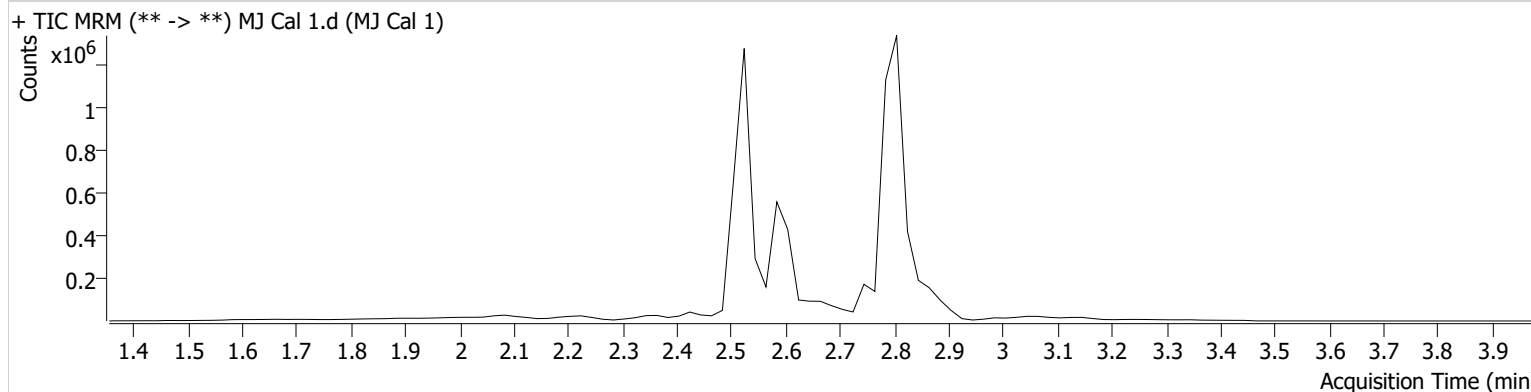


# AM #26 Cannabinoids Screen Results

**Batch results** D:\MassHunter\Data\2021\AM 25-26\033021 AM 25 26 SC\QuantResults\AM 26.batch.bin  
**Calibration Last Update** 4/1/2021 10:42:40 AM

<b>Instrument</b>	Instrument 1	<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>	3/30/2021 11:30:02 AM		
<b>Sample Info.</b>			

**Sample Chromatogram**



Name	RT	Resp.	ISTD Resp.	Final Conc.	
THC-COOH	2.605	119008	925519	4.5783 ng/ml	Low
THC-OH	2.534	7405	2623109	1.9328 ng/ml	Low



SC

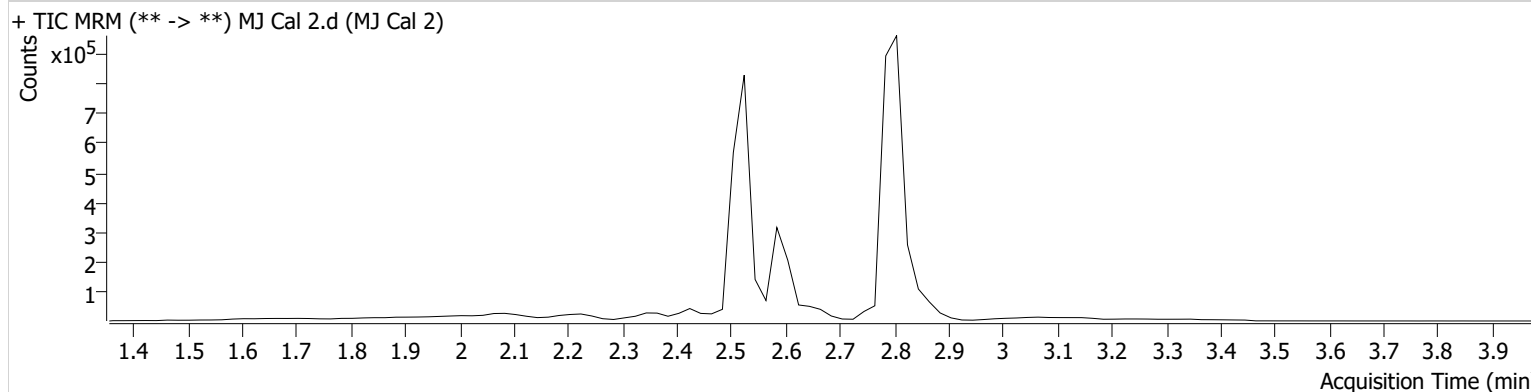


# AM #26 Cannabinoids Screen Results

**Batch results** D:\MassHunter\Data\2021\AM 25-26\033021 AM 25 26 SC\QuantResults\AM 26.batch.bin  
**Calibration Last Update** 4/1/2021 10:42:40 AM

<b>Instrument</b>	Instrument 1	<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>	3/30/2021 11:36:43 AM		

**Sample Chromatogram**



Name	RT	Resp.	ISTD Resp.	Final Conc.	
THC	2.839	1921	35379	2.6008 ng/ml	<b>Low</b>
THC-COOH	2.605	114327	486332	9.9808 ng/ml	
THC-OH	2.534	8180	1759391	3.0746 ng/ml	

SC

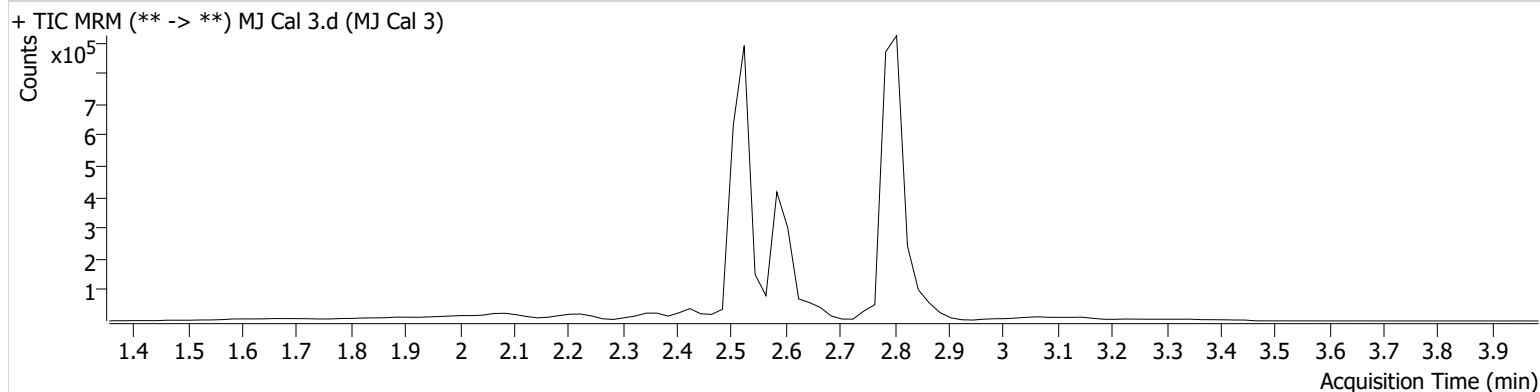


# AM #26 Cannabinoids Screen Results

**Batch results** D:\MassHunter\Data\2021\AM 25-26\033021 AM 25 26 SC\QuantResults\AM 26.batch.bin  
**Calibration Last Update** 4/1/2021 10:42:40 AM

<b>Instrument</b>	Instrument 1	<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>	3/30/2021 11:43:14 AM		
<b>Sample Info.</b>			

**Sample Chromatogram**



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	2.839	2534	34712	5.1109 ng/ml
THC-COOH	2.605	247728	541125	21.2797 ng/ml
THC-OH	2.534	14393	1862345	5.0002 ng/ml

SC

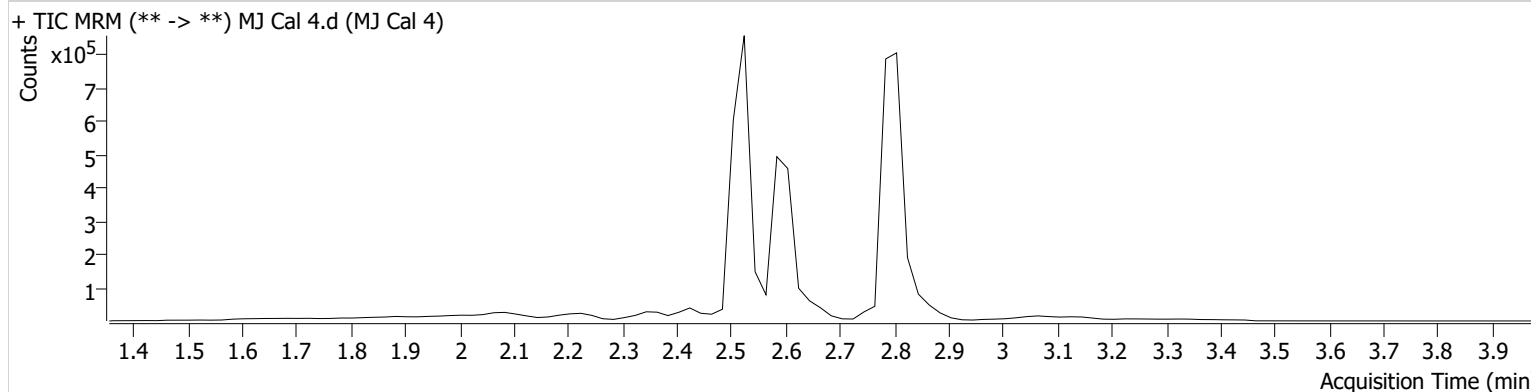


# AM #26 Cannabinoids Screen Results

**Batch results** D:\MassHunter\Data\2021\AM 25-26\033021 AM 25 26 SC\QuantResults\AM 26.batch.bin  
**Calibration Last Update** 4/1/2021 10:42:40 AM

<b>Instrument</b>	Instrument 1	<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>	3/30/2021 11:49:45 AM		
<b>Sample Info.</b>			

**Sample Chromatogram**



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	2.879	3148	26939	11.0031 ng/ml
THC-COOH	2.605	495302	462046	52.4369 ng/ml
THC-OH	2.534	26422	1680277	10.0000 ng/ml

SC

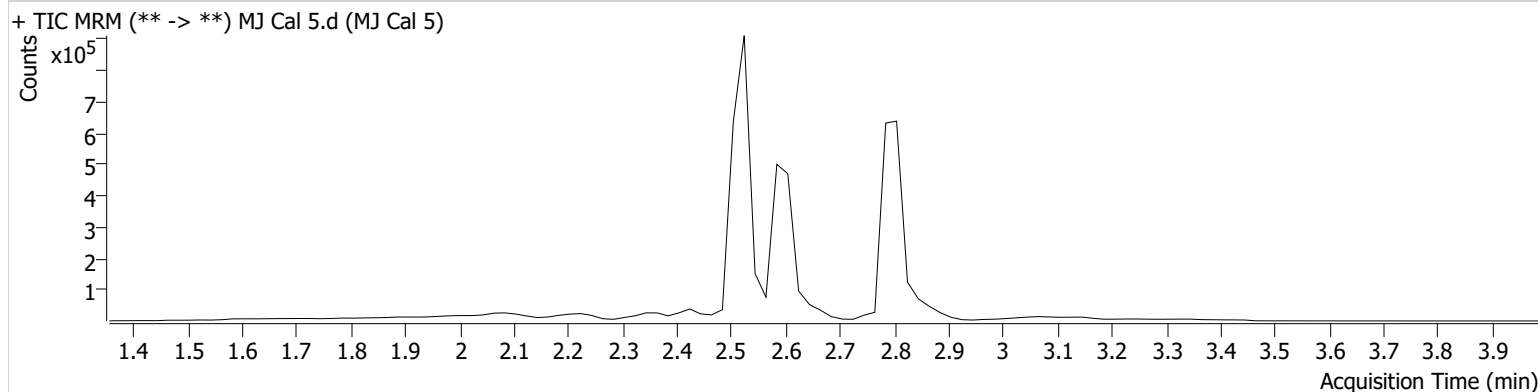


# AM #26 Cannabinoids Screen Results

**Batch results** D:\MassHunter\Data\2021\AM 25-26\033021 AM 25 26 SC\QuantResults\AM 26.batch.bin  
**Calibration Last Update** 4/1/2021 10:42:40 AM

<b>Instrument</b>	Instrument 1	<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>	3/30/2021 11:56:16 AM		
<b>Sample Info.</b>			

**Sample Chromatogram**



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	2.879	5295	23472	25.6062 ng/ml
THC-COOH	2.605	563175	374138	74.4177 ng/ml
THC-OH	2.534	58479	1511508	24.3595 ng/ml

SC

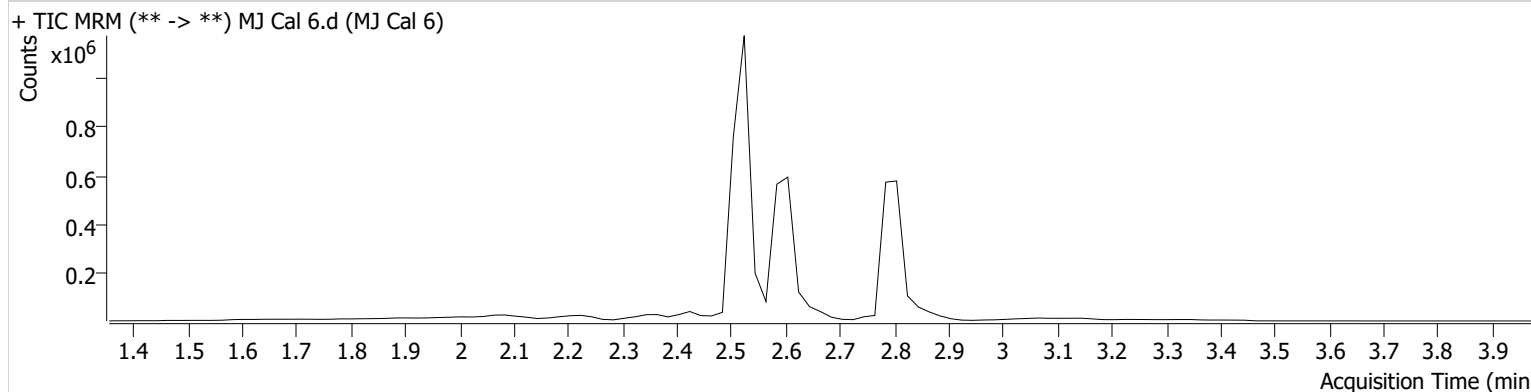


# AM #26 Cannabinoids Screen Results

**Batch results** D:\MassHunter\Data\2021\AM 25-26\033021 AM 25 26 SC\QuantResults\AM 26.batch.bin  
**Calibration Last Update** 4/1/2021 10:42:40 AM

<b>Instrument</b>	Instrument 1	<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>	3/30/2021 12:02:47 PM		
<b>Sample Info.</b>			

**Sample Chromatogram**



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	2.879	7089	17421	49.9559 ng/ml
THC-COOH	2.605	717548	361757	98.6792 ng/ml
THC-OH	2.534	119400	1513214	49.5061 ng/ml

SC

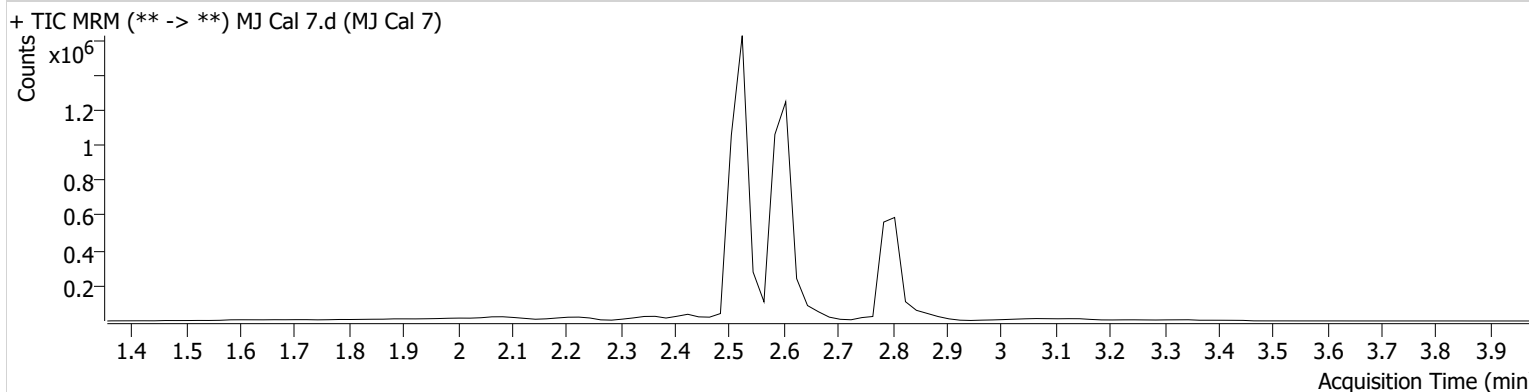


# AM #26 Cannabinoids Screen Results

**Batch results** D:\MassHunter\Data\2021\AM 25-26\033021 AM 25 26 SC\QuantResults\AM 26.batch.bin  
**Calibration Last Update** 4/1/2021 10:42:40 AM

<b>Instrument</b>	Instrument 1	<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>	3/30/2021 12:09:18 PM		
<b>Sample Info.</b>			

**Sample Chromatogram**



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	2.879	13586	17644	98.7231 ng/ml
THC-COOH	2.605	1705503	345293	248.6274 ng/ml
THC-OH	2.534	238942	1480875	101.0596 ng/ml

SC

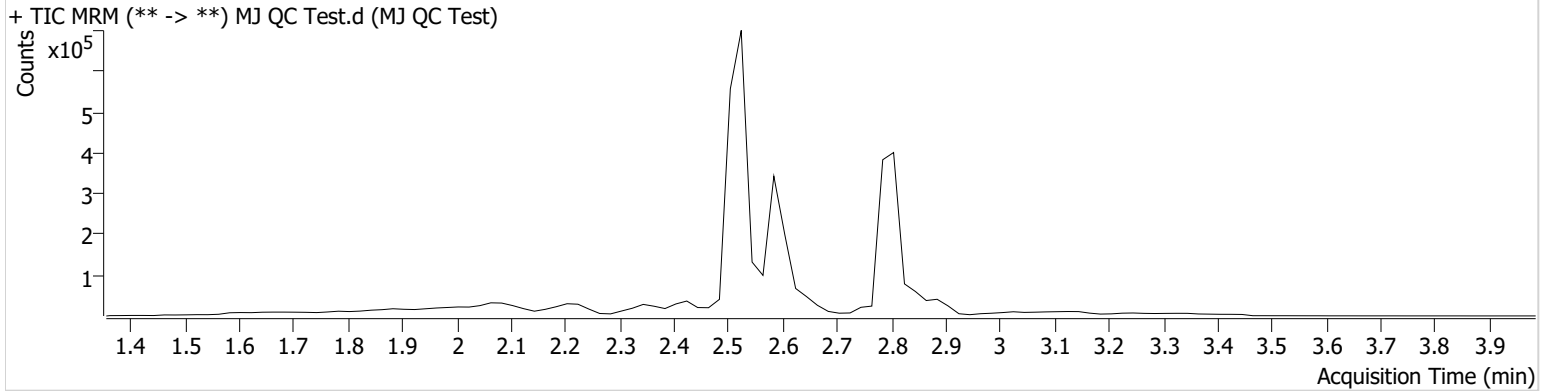


# AM #26 Cannabinoids Screen Results

**Batch results** D:\MassHunter\Data\2021\AM 25-26\033021 AM 25 26 SC\QuantResults\AM 26.batch.bin  
**Calibration Last Update** 4/1/2021 10:42:40 AM

<b>Instrument</b>	Instrument 1	<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>	3/30/2021 4:29:18 PM		

**Sample Chromatogram**



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	2.859	3836	22138	18.5790 ng/ml
THC-COOH	2.605	147273	451121	14.6166 ng/ml
THC-OH	2.534	11159	1571297	4.6084 ng/ml