

Worklist: 5351

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
M2021-4116	2	UCK	AM 25/AM 26 Urine MultiDrug/THC Screen by LC-QQQ	
M2021-4396	3	UCK	AM 25/AM 26 Urine MultiDrug/THC Screen by LC-QQQ	
M2021-4443	3	UCK	AM 25/AM 26 Urine MultiDrug/THC Screen by LC-QQQ	
M2021-4443	4	UCK	AM 25/AM 26 Urine MultiDrug/THC Screen by LC-QQQ	
M2021-4444	3	UCK	AM 25/AM 26 Urine MultiDrug/THC Screen by LC-QQQ	
M2021-4519	2	UCK	AM 25/AM 26 Urine MultiDrug/THC Screen by LC-QQQ	
P2021-3283	1	UCK	AM 25/AM 26 Urine MultiDrug/THC Screen by LC-QQQ	
P2021-3284	1	UCK	AM 25/AM 26 Urine MultiDrug/THC Screen by LC-QQQ	
P2021-3301	1	UCK	AM 25/AM 26 Urine MultiDrug/THC Screen by LC-QQQ	
P2021-3518	1	UCK	AM 25/AM 26 Urine MultiDrug/THC Screen by LC-QQQ	
P2021-3526	1	UCK	AM 25/AM 26 Urine MultiDrug/THC Screen by LC-QQQ	
P2021-3538	1	UCK	AM 25/AM 26 Urine MultiDrug/THC Screen by LC-QQQ	
P2021-3615	1	UCK	AM 25/AM 26 Urine MultiDrug/THC Screen by LC-QQQ	
P2021-3616	1	UCK	AM 25/AM 26 Urine MultiDrug/THC Screen by LC-QQQ	

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

Extraction Date: 11/05/2021

Plate lot#: IDP-120-210611

Mobile phase A: 10mM Amm Form

Instant Buffer I

Blank Blood Lot: Lampire 20L20725

LCMS-QQ ID: 069901

Analyst: Celena Shrum

Plate Retest Date: 12/11/2021

Mobile phase B: 0.1% Formic Acid in MeOH

Ethyl Acetate LC Methanol

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

Blank Urine Lot: POC031319

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: Run stopped due to a leak and was restarted with no issues.

	1	2	3	4	5	6	7	8	9	10	11	12
A					Blood NC	P2021-3283-1	Urine External Control					
B	CAL				Urine NC	P2021-3284-1						
C					M2021-4116-2	P2021-3301-1						
D					M2021-4396-3	P2021-3518-1						
E					M2021-4443-3	P2021-3526-1						
F					M2021-4443-4	P2021-3538-1						
G					M2021-4444-3	P2021-3615-1						
H					M2021-4519-2	P2021-3616-1						

Samples were all moved one column over to the right (i.e. samples in column 5 were all moved to column 6, column 6 to column 7, and column 7 to column 8) during the SLE portion of the extraction



Idaho State Police Forensic Services

**AM #25 Urine Multi-Drug Screen by LCMS-QQQ
And
AM #28 Urine Multi-Drug Confirmatory Analysis by
LCMS-QQQ---Panel 1**

Methanol External Control Solution (Lot: 120320)

100 μ L of 1mg/mL stock was added to each drug to 9700 μ L of LC MeOH.

<i>Component</i>	<i>Source</i>	<i>Source Lot Number</i>	<i>Expiration Date</i>
Methanol (LCMS)	Fisher	197468	
O-desmethyl Tramadol	Cerilliant	FN01241702	04/30/2022
Amphetamine	Cerilliant	FE04061701	06/30/2022
Alprazolam	Cerilliant	FE07061604	07/31/2021
Prepared:	12/03/2020		
Prepared By:	Celena Shrum		

Urine External Control Solution (Lot: WS110521)

*100 μ L of methanol external control solution was added to 9900 μ L of urine.
Approximately 100 ng/mL of each compound.*

<i>Component</i>	<i>Source</i>	<i>Source Lot Number</i>
Negative Urine	Pocatello Lab	POC031319
Methanol External Control Solution		120320
Prepared:	11/05/2021	
Prepared by:	Celena Shrum	



Idaho State Police Forensic Services

AM #26 Screening of THC and Metabolites and AM #27 Confirmation of THC and Metabolites Urine External Control Prep Sheet

Methanol External Control Solution (Lot: WS03052021)

10 µL of 1mg/mL THC, 100 µL of 100 µg/mL THC-OH, C-THC in 9790 µL MeOH

Approximate concentration 1ug/mL.

<i>Component</i>	<i>Source</i>	<i>Source Lot Number</i>	<i>Expiration Date</i>
Methanol (LCMS)	Fisher	200921	
THC	Cerilliant	FE01041701	03/31/2022
C-THC	Cerilliant	FE08011801	08/31/2023
THC-OH	Cerilliant	FE07221601	07/31/2021
Prepared:	03/05/2021		
Prepared By:	Tamara Salazar/Amber Gerheart		

Urine External Control Solution (Lot: 110521)

200 ul of methanol external control solution was added to 9800 ul of urine.

Approximately 20ng/mL each

<i>Component</i>	<i>Source</i>	<i>Source Lot Number</i>
Negative Urine	Pocatello Lab	POC031319
Methanol External Control Solution	-	WS03052021
Prepared:	11/05/2021	
Prepared by:	Celena Shrum	

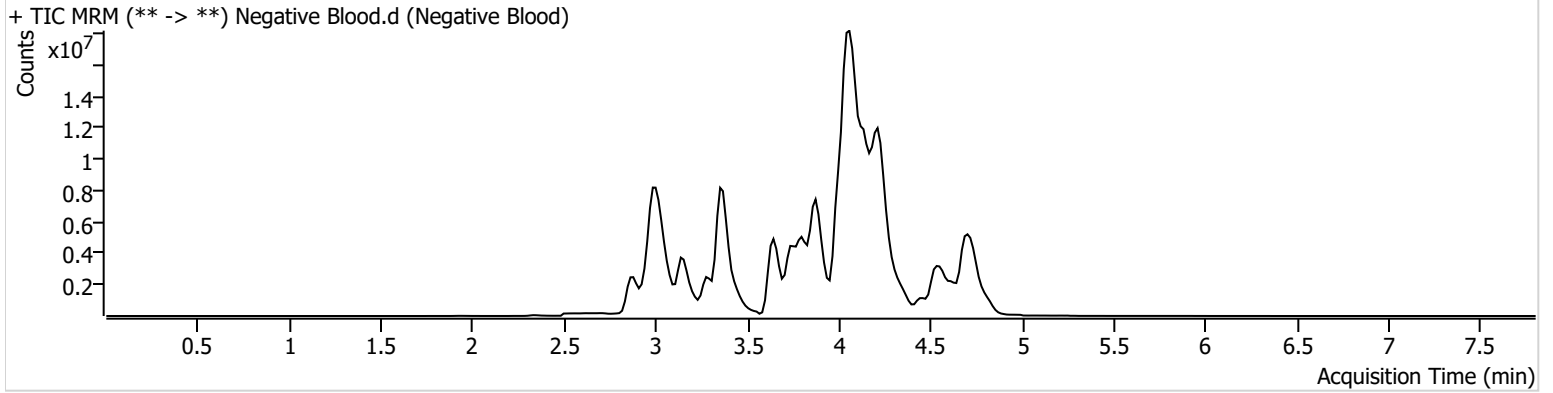
AM #25 Multi-Drug Screen Results



Batch results D:\MassHunter\Data\2021\AM 25-26\110521 AM 25 26 CS\QuantResults\AM 25.batch.bin
Calibration Last Update 11/10/2021 2:46:50 PM

Instrument	Falco (069901)	Data File	Negative Blood.d
Type	Sample	Sample	Negative Blood
Acq. Method	AM 25 MDS.m	Operator	Celena Shrum
Sample Position	P2-A6	Comment	
Injection Volume	5		
Acq. Date-Time	11/5/2021 7:50:57 PM		
Sample Info.			

Sample Chromatogram



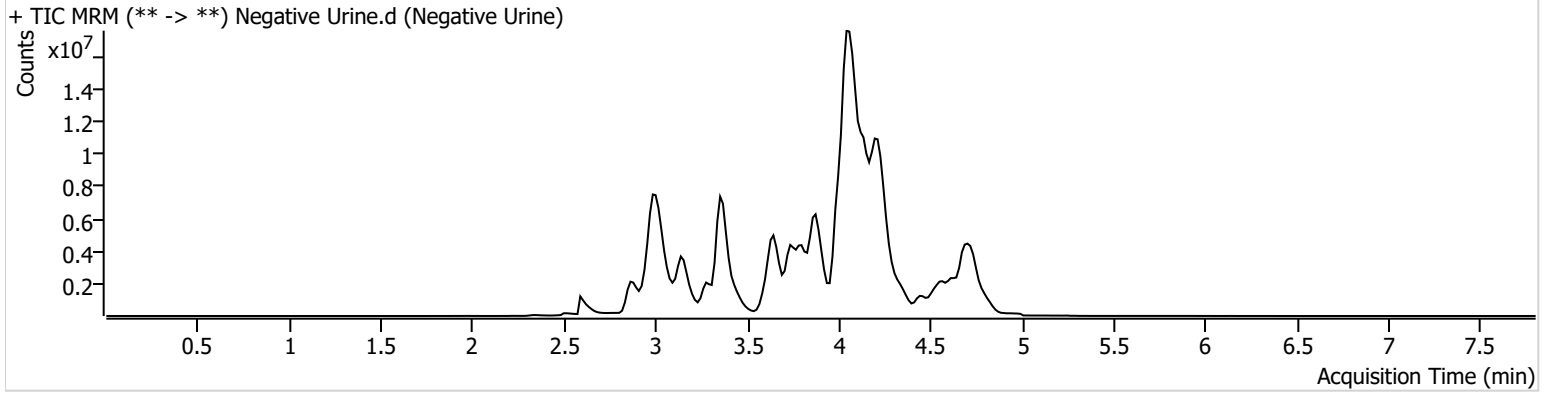
AM #25 Multi-Drug Screen Results



Batch results D:\MassHunter\Data\2021\AM 25-26\110521 AM 25 26 CS\QuantResults\AM 25.batch.bin
Calibration Last Update 11/10/2021 2:46:50 PM

Instrument	Falco (069901)	Data File	Negative Urine.d
Type	Sample	Sample	Negative Urine
Acq. Method	AM 25 MDS.m	Operator	Celena Shrum
Sample Position	P2-B6	Comment	
Injection Volume	5		
Acq. Date-Time	11/5/2021 7:59:20 PM		
Sample Info.			

Sample Chromatogram



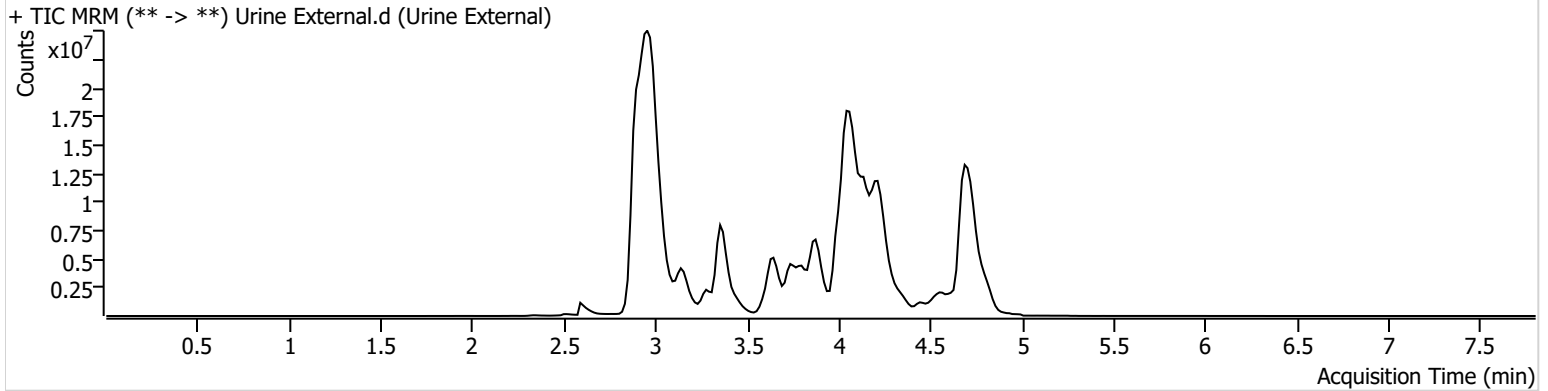
AM #25 Multi-Drug Screen Results



Batch results D:\MassHunter\Data\2021\AM 25-26\110521 AM 25 26 CS\QuantResults\AM 25.batch.bin
Calibration Last Update 11/10/2021 2:46:50 PM

Instrument	Falco (069901)	Data File	Urine External.d
Type	Sample	Sample	Urine External
Acq. Method	AM 25 MDS.m	Operator	Celena Shrum
Sample Position	P2-A8	Comment	
Injection Volume	5		
Acq. Date-Time	11/5/2021 8:07:45 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
Alprazolam	4.693	33456101	3036.21	3903.11	22831598	162.4027
Amphetamine	2.905	35898603	42238.64	4189.41	9483216	147.6299
O-desmethyl-tramadol	2.961	64222708	65840.50	1885.02	68151700	94.7392

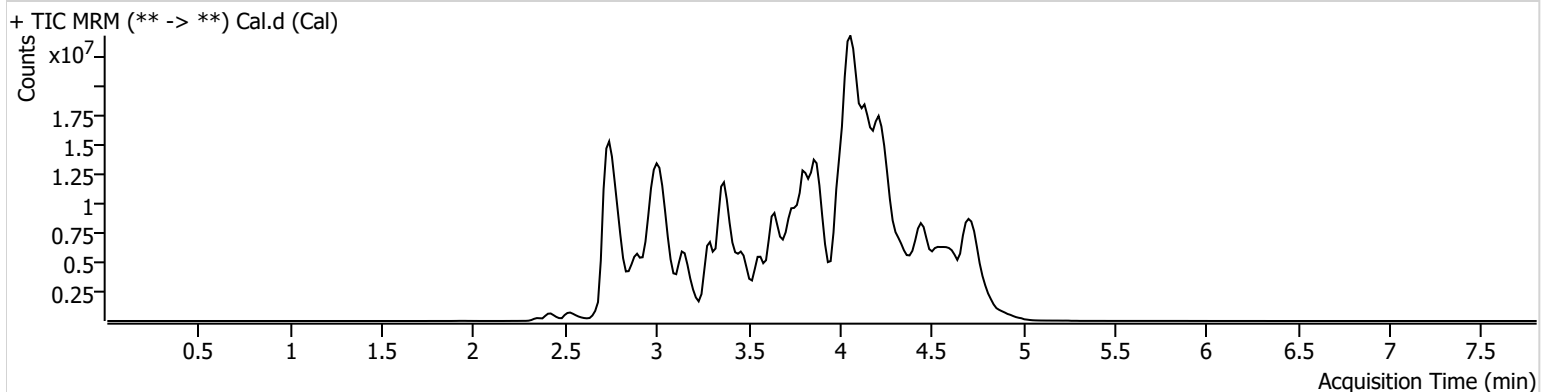
AM #25 Multi-Drug Screen Results



Batch results D:\MassHunter\Data\2021\AM 25-26\110521 AM 25 26 CS\QuantResults\AM 25.batch.bin
Calibration Last Update 11/10/2021 2:46:50 PM

Instrument	Falco (069901)	Data File	Cal.d
Type	Cal	Sample	Cal
Acq. Method	AM 25 MDS.m	Operator	Celena Shrum
Sample Position	P2-B1	Comment	
Injection Volume	5		
Acq. Date-Time	11/5/2021 7:42:23 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
6-MAM	2.953	51165	21922.53	21713.15	1596936	10.0000
7-aminoclonazepam	3.664	434076	129.03	90.25	2951641	10.0000
7-aminoflunitrazepam	3.879	1476113	494.81	331.35	2951641	10.0000
Acetyl Fentanyl	3.845	326094	111.97	79351.57	41191384	10.0000
Acetyl Norfentanyl	2.963	383204	978.55	74.32	41191384	10.0000
a-hydroxyalprazolam	4.582	247159	61.43	55.36	2951641	10.0000
alpha-hydroxymidazolam	4.642	1300288	293.91	132.14	2951641	10.0000
Alpha-PHP	3.852	4170420	10052.32	3482.96	41191384	10.0000
alpha-PVP	3.577	5676672	375.48	135.16	14403600	10.0000
Alprazolam	4.693	2619716	580.47	248.00	29034099	10.0000
Amitriptyline	4.466	1863364	113.36	353.97	5809532	10.0000
Amphetamine	2.921	3693336	454.49	383.26	14403600	10.0000
Benzoylcegonine	3.479	287245	160898.72	11.89	432950	10.0000
Brompheniramine	4.076	82435	132.46	338.33	70262531	10.0000
Buprenorphine	4.209	681238	32701.03	29321.40	2684710	10.0000
Bupropion	3.761	5492114	381.91	588.84	21436916	10.0000
Carbamazepine	4.285	10055019	1956.10	∞	621143	10.0000
Carisoprodol	4.252	876454	1026.64	1458.30	4877309	10.0000
Chlordiazepoxide	4.740	1089043	133.28	∞	29034099	10.0000
Chlorpheniramine	3.988	5927738	2095.81	49.65	70262531	10.0000
Citalopram	4.090	3462396	7853.02	276609.95	70262531	10.0000
Clomipramine	4.645	1793879	242786.55	7160.78	70262531	10.0000
Clonazepam	4.492	1894259	343.73	116825.47	29034099	10.0000
Clonazolam	4.442	1645724	507068.61	139740.47	29034099	10.0000
Cocaethylene	3.845	5482206	1693.64	545504.07	23924939	10.0000
Cocaine	3.647	4581400	30271.63	883.42	23924939	10.0000
Codeine	2.866	339672	62605.57	966.48	10878346	10.0000
Cyclobenzaprine	4.390	2400574	160.58	31.33	5809532	10.0000
Desipramine	4.406	4549264	2635.43	487.55	5809532	10.0000
Dextromethorphan	4.128	2306602	185.03	89911.50	12759962	10.0000
Dextrorphan	3.451	2491899	81747.15	500.48	12759962	10.0000
Diazepam	4.894	1713086	342.00	7191.89	29034099	10.0000
Dihydrocodeine	2.820	1156159	315.63	443.44	10878346	10.0000
Diphenhydramine	4.067	10733019	7227.61	2982.32	70262531	10.0000

Cal

AM #25 Multi-Drug Screen Results



Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
Doxepin	4.188	2185900	207.39	35.05	26309015	10.0000
Doxylamine	3.711	9963612	33694.10	31174.84	12759962	10.0000
EDDP	4.158	1658711	4285.61	8290.90	4641750	10.0000
Estazolam	4.603	6218149	1067.36	2661.42	29034099	10.0000
Etizolam	4.734	330819	62102.65	476851.39	29034099	10.0000
Fentanyl	4.074	236361	89.71	58253.92	22308744	10.0000
Flualprazolam	4.566	731828	162243.56	40404.36	29034099	10.0000
Flunitrazepam	4.615	2760484	592.23	262097.44	29034099	10.0000
Fluoxetine	4.355	1991827	507.40	40.17	2581480	10.0000
Flurazepam	4.180	2750340	4359.41	301.89	29034099	10.0000
Hydrocodone	3.049	1641997	1824.36	2263.10	10878346	10.0000
Hydromorphone	2.534	1281957	2257.17	15690.17	236335	10.0000
Imipramine	4.419	5118615	603.48	266.71	5809532	10.0000
Ketamine	3.423	4216312	32068.00	141.17	12676418	10.0000
Lamotrigine	3.559	354235	2995.14	1753.63	70262531	10.0000
Levamisole	3.025	3317195	5766.44	1119.18	23924939	10.0000
Levetiracetam	2.690	1187835	78.34	841.76	70262531	10.0000
Lorazepam	4.491	578120	104.77	85.07	29034099	10.0000
Maprotiline	4.451	1183345	19.89	229.46	5809532	10.0000
MDA	3.056	1962558	260.89	6.87	33299448	10.0000
MDEA	3.301	4610416	1382.86	3939.27	33299448	10.0000
MDMA	3.148	5451246	12303.78	121.98	33299448	10.0000
Meperidine	3.636	2818615	977.11	154.05	12759962	10.0000
Meprobamate	3.701	361901	568.30	15056.87	4877309	10.0000
Methadone	4.446	6327322	1691.51	2119.25	4641750	10.0000
Methamphetamine	3.042	6551513	2506.07	137.45	33299448	10.0000
Methocarbamol	3.622	568926	58.15	383.10	4641750	10.0000
Methylphenidate	3.561	12063127	417.23	194.33	15600427	10.0000
Metoprolol	3.511	604665	220.29	153.74	12759962	10.0000
Midazolam	4.720	632037	161.27	436.96	29034099	10.0000
Mirtazapine	3.804	3448608	1266825.81	1030.73	12759962	10.0000
Mitragynine	4.210	558929	75592.70	591101.93	12759962	10.0000
Morphine	2.352	227605	611.08	658.50	236335	10.0000
Norbuprenorphine	3.856	62286	∞	36588.05	2684710	10.0000
Nordiazepam	4.743	1441897	156669.59	383.05	29034099	10.0000
Norfentanyl	3.376	6692616	36516.49	497.62	41191384	10.0000
Norhydrocodone	3.005	183652	218.59	40.76	236335	10.0000
Norketamine	3.408	676827	172.89	509.81	12676418	10.0000
Normeperidine	3.638	3127880	162.20	43.96	70262531	10.0000
Noroxycodone	2.942	1071423	∞	48.46	12676418	10.0000
Nortriptyline	4.452	1382575	1369.29	115.22	5809532	10.0000
O-desmethyl-tramadol	2.961	6988853	8012.21	444.97	70262531	10.0000
Olanzapine	3.677	1809965	1620.10	890.75	621143	10.0000
Oxazepam	4.557	2928285	3672.21	2358.65	15431916	10.0000
Oxycodone	2.970	3068219	432.58	198.51	12676418	10.0000
Oxymorphone	2.423	1079159	463.19	2108.09	236335	10.0000
Paroxetine	4.382	259220	135.02	36987.91	2581480	10.0000
Phenazepam	4.687	2647440	77993.30	62568.05	29034099	10.0000
Phencyclidine	3.991	5729533	12299.66	396.30	12759962	10.0000
Phentermine	3.180	1004108	507.29	26.38	15600427	10.0000
Phenytoin	4.161	931716	143.61	81.26	621143	10.0000
Promethazine	4.357	5729819	16754.13	524.14	70262531	10.0000
Pseudoephedrine	2.751	74313369	15485.61	379.67	33299448	10.0000
Quetiapine	4.318	4342717	1376.44	531506.44	48946528	10.0000
Sertraline	4.586	512576	218.27	236.45	2581480	10.0000
Sufentanil	4.333	170961	348.36	97.78	41191384	10.0000
Tapentadol	3.485	4507413	443.99	176.09	12676418	10.0000
Temazepam	4.725	4751587	574.01	32.36	29034099	10.0000
Tramadol	3.481	7864398	7858.00	110.57	70262531	10.0000
Trazodone	4.242	6513587	1908.30	2595102.39	26309015	10.0000

Cal

AM #25 Multi-Drug Screen Results



Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
Venlafaxine	3.833	5121243	322.80	128.19	2581480	10.0000
Zaleplon	4.432	3194144	571738.00	1537.33	48946528	10.0000
Zolpidem	4.031	7853598	2879.17	221.98	48946528	10.0000
Zopiclone	3.887	1098061	465927.56	115031.99	4333010	10.0000

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

Extraction Date: 11/04/2021

Analyst: Celena Shrum

Plate lot#: IDP-108-2-210609

Plate Retest Date: 12/09/2021

Mobile phase A: 0.1% Formic Acid in LCMS Water

Mobile phase B: 0.1% Formic acid in Acetonitrile

Blank Blood Lot: Lampire 20L20725

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

LCMS-QQQ ID: 069901

Blank Urine Lot: POC031319

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, R² 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: Only THC-COOH was evaluated.

	1	2	3	4	5	6
a	cal 1ng	Blood NC	P2021-3283-1	Urine External Control		
b	cal 3 ng	Urine NC	P2021-3284-1			
c	cal 5 ng	M2021-4116-2	P2021-3301-1			
d	cal 10ng	M2021-4396-3	P2021-3518-1			
e	cal 25 ng	M2021-4443-3	P2021-3526-1			
f	cal 50 ng	M2021-4443-4	P2021-3538-1			
g	cal 100 ng	M2021-4444-3	P2021-3615-1			
h	QC 1	M2021-4519-2	P2021-3616-1			

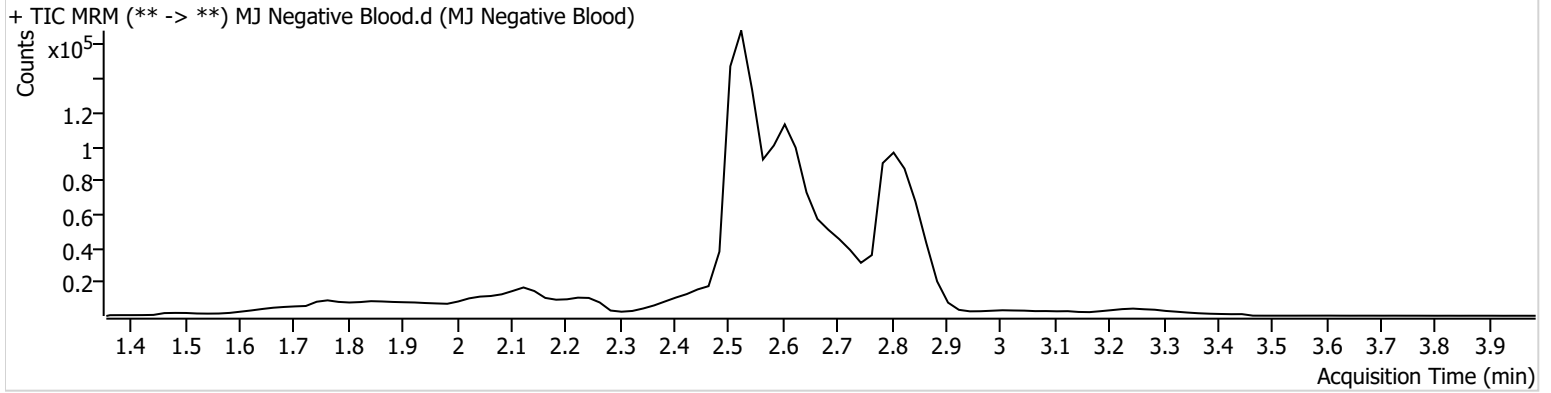
AM #26 Cannabinoids Screen Results



Batch results D:\MassHunter\Data\2021\AM 25-26\110521 AM 25 26 CS\QuantResults\AM 26 C-THC Only.batch.bin
Calibration Last Update 11/8/2021 10:12:02 AM

Instrument	Falco (069901)	Data File	MJ Negative Blood.d
Type	Sample	Sample	MJ Negative Blood
Acq. Method	AM 26 THCS.m	Operator	Celena Shrum
Sample Position	P1-A2	Comment	
Injection Volume	10		
Acq. Date-Time	11/5/2021 4:48:12 PM		
Sample Info.			

Sample Chromatogram



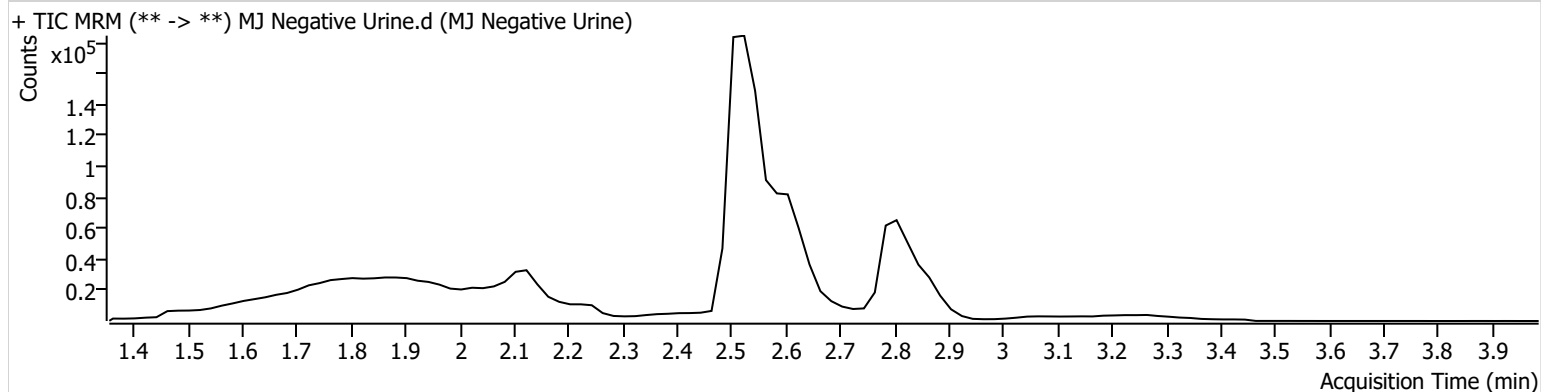
AM #26 Cannabinoids Screen Results



Batch results D:\MassHunter\Data\2021\AM 25-26\110521 AM 25 26 CS\QuantResults\AM 26 C-THC Only.batch.bin
Calibration Last Update 11/8/2021 10:12:02 AM

Instrument	Falco (069901)	Data File	MJ Negative Urine.d
Type	Sample	Sample	MJ Negative Urine
Acq. Method	AM 26 THCS.m	Operator	Celena Shrum
Sample Position	P1-B2	Comment	
Injection Volume	10		
Acq. Date-Time	11/5/2021 5:01:20 PM		
Sample Info.			

Sample Chromatogram



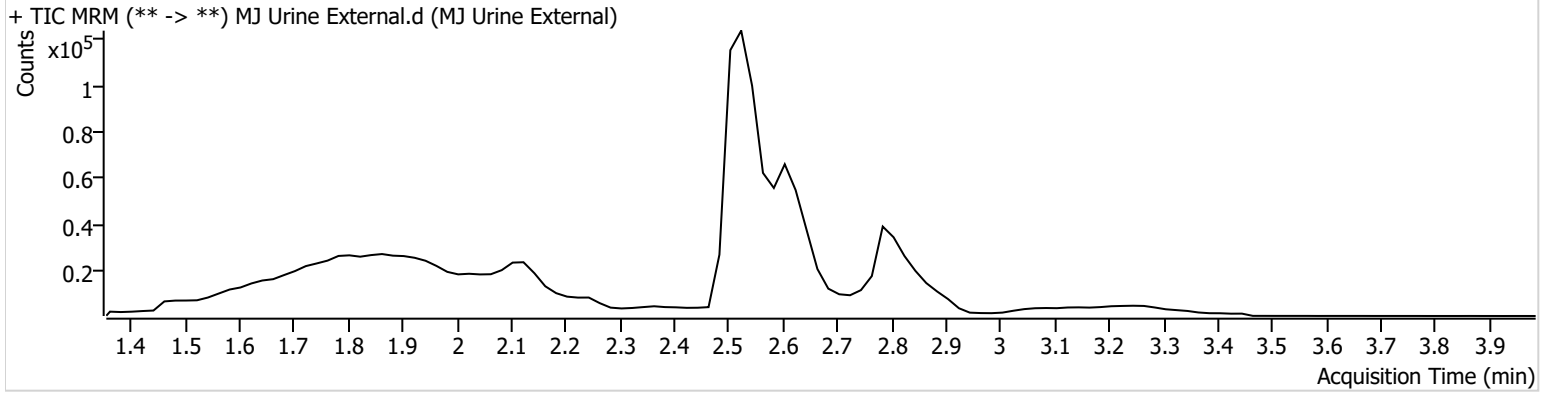
AM #26 Cannabinoids Screen Results



Batch results D:\MassHunter\Data\2021\AM 25-26\110521 AM 25 26 CS\QuantResults\AM 26 C-THC Only.batch.bin
Calibration Last Update 11/8/2021 10:12:02 AM

Instrument	Falco (069901)	Data File	MJ Urine External.d
Type	Sample	Sample	MJ Urine External
Acq. Method	AM 26 THCS.m	Operator	Celena Shrum
Sample Position	P1-A4	Comment	
Injection Volume	10		
Acq. Date-Time	11/5/2021 4:54:45 PM		

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC-COOH	2.607	29581	127600	15.5960 ng/ml

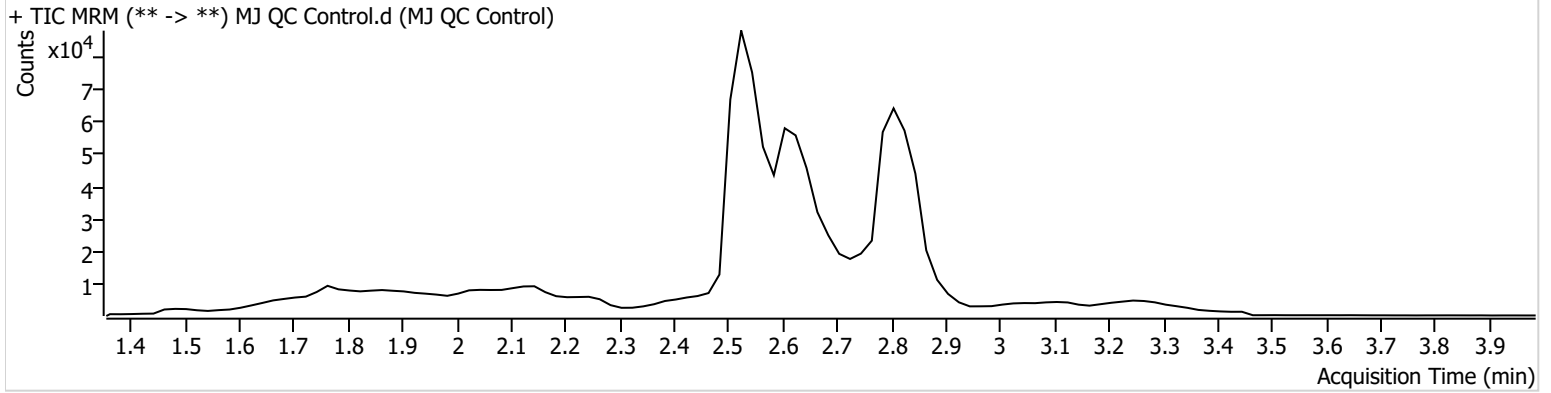
AM #26 Cannabinoids Screen Results



Batch results D:\MassHunter\Data\2021\AM 25-26\110521 AM 25 26 CS\QuantResults\AM 26 C-THC Only.batch.bin
Calibration Last Update 11/8/2021 10:12:02 AM

Instrument	Falco (069901)	Data File	MJ QC Control.d
Type	Sample	Sample	MJ QC Control
Acq. Method	AM 26 THCS.m	Operator	Celena Shrum
Sample Position	P1-H1	Comment	
Injection Volume	10		
Acq. Date-Time	11/5/2021 4:35:02 PM		

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC-COOH	2.627	22137	101592	14.5783 ng/ml

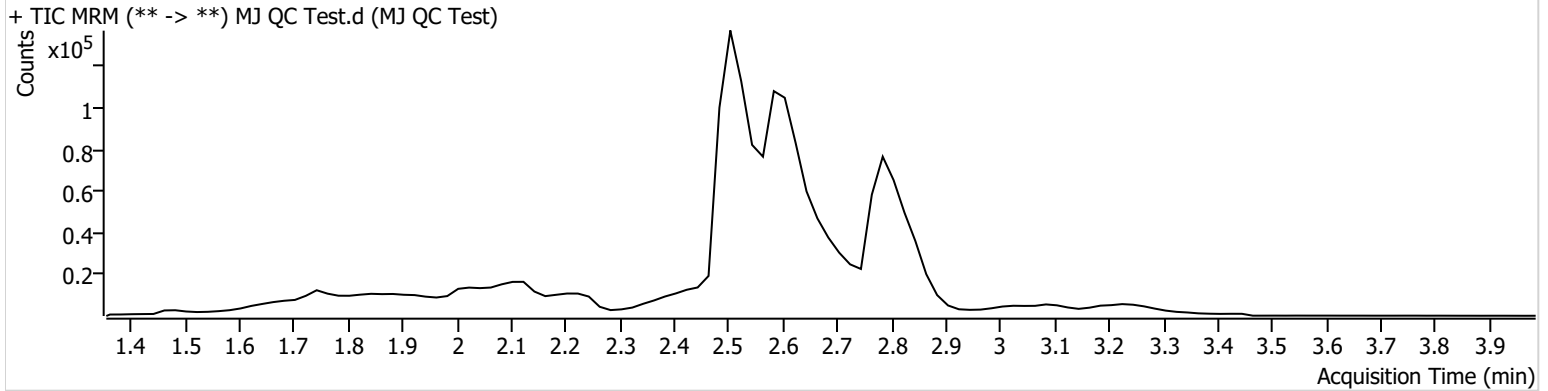
AM #26 Cannabinoids Screen Results



Batch results D:\MassHunter\Data\2021\AM 25-26\110521 AM 25 26 CS\QuantResults\AM 26 C-THC Only.batch.bin
Calibration Last Update 11/8/2021 10:12:02 AM

Instrument	Falco (069901)	Data File	MJ QC Test.d
Type	Sample	Sample	MJ QC Test
Acq. Method	AM 26 THCS.m	Operator	Celena Shrum
Sample Position	P1-H1	Comment	
Injection Volume	10		
Acq. Date-Time	11/5/2021 6:39:39 PM		

Sample Chromatogram



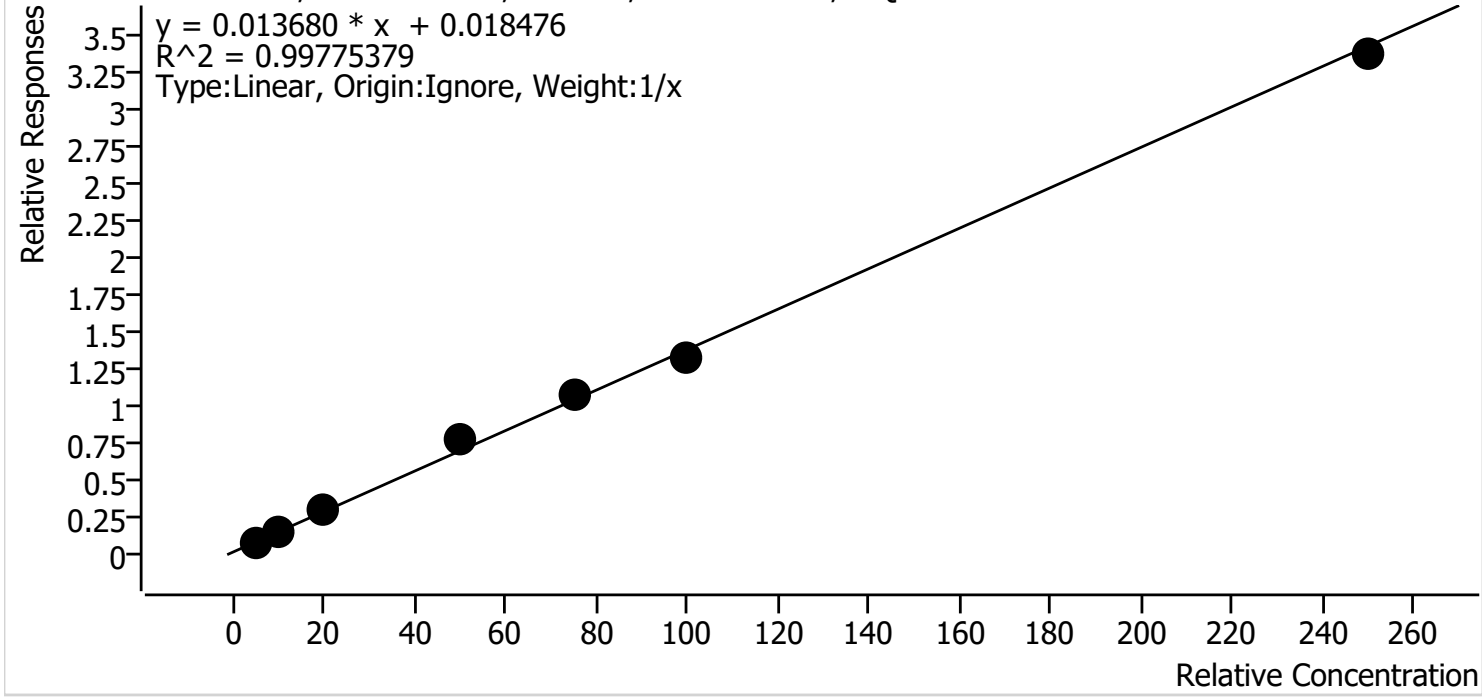
Name	RT	Resp.	ISTD Resp.	Final Conc.
THC-COOH	2.607	33863	161442	13.9828 ng/ml



AM #26 Cannabinoids Screen Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 25-26\110521 AM 25 26 CS\QuantResults\AM 26 C-THC Only.batch.bin
Last Cal. Update 11/8/2021 10:12 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	4.7	94.4
MJ Cal 2	2	✓	10.0	9.6	95.6
MJ Cal 3	3	✓	20.0	20.2	100.8
MJ Cal 4	4	✓	50.0	55.5	111.0
MJ Cal 5	5	✓	75.0	77.3	103.0
MJ Cal 6	6	✓	100.0	96.9	96.9
MJ Cal 7	7	✓	250.0	245.9	98.4

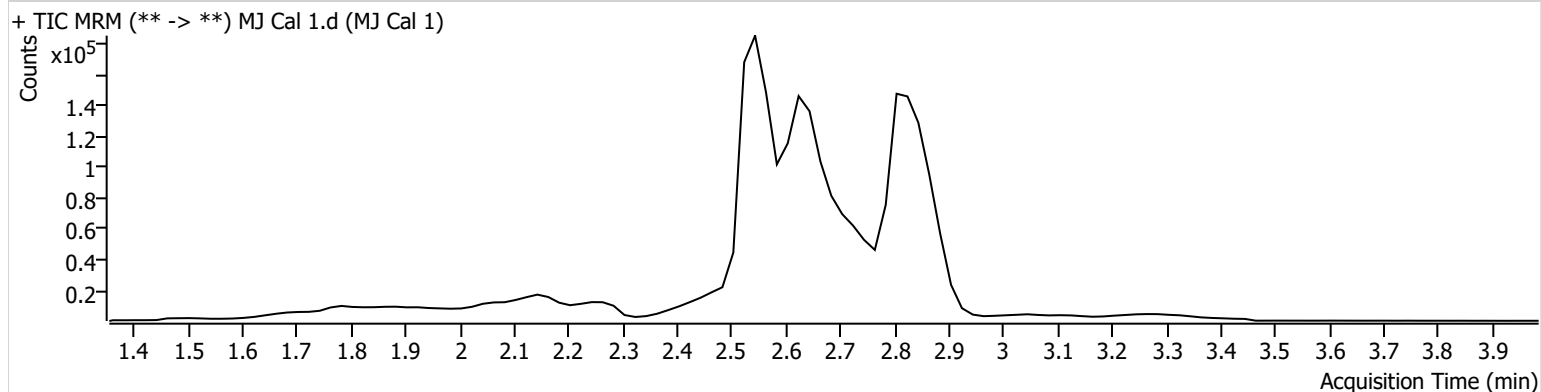
AM #26 Cannabinoids Screen Results



Batch results D:\MassHunter\Data\2021\AM 25-26\110521 AM 25 26 CS\QuantResults\AM 26 C-THC Only.batch.bin
Calibration Last Update 11/8/2021 10:12:02 AM

Instrument	Falco (069901)	Data File	MJ Cal 1.d
Type	Cal	Sample	MJ Cal 1
Acq. Method	AM 26 THCS.m	Operator	Celena Shrum
Sample Position	P1-A1	Comment	
Injection Volume	10		
Acq. Date-Time	11/5/2021 3:48:58 PM		

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC-COOH	2.647	21065	253622	4.7208 ng/ml Low

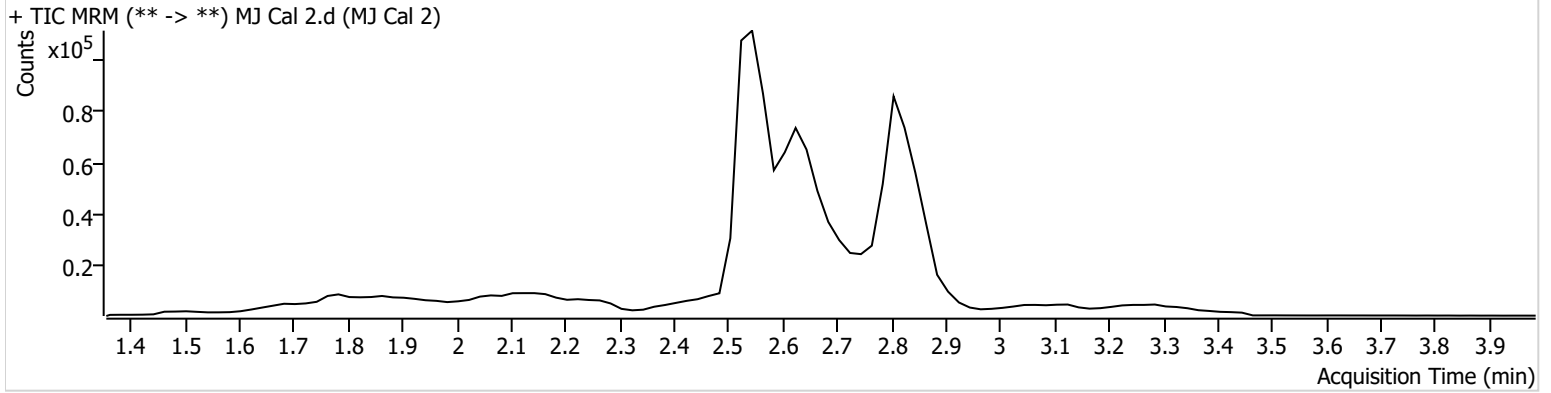
AM #26 Cannabinoids Screen Results



Batch results D:\MassHunter\Data\2021\AM 25-26\110521 AM 25 26 CS\QuantResults\AM 26 C-THC Only.batch.bin
Calibration Last Update 11/8/2021 10:12:02 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	11/5/2021 3:55:41 PM		

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC-COOH	2.647	21187	142007	9.5557 ng/ml

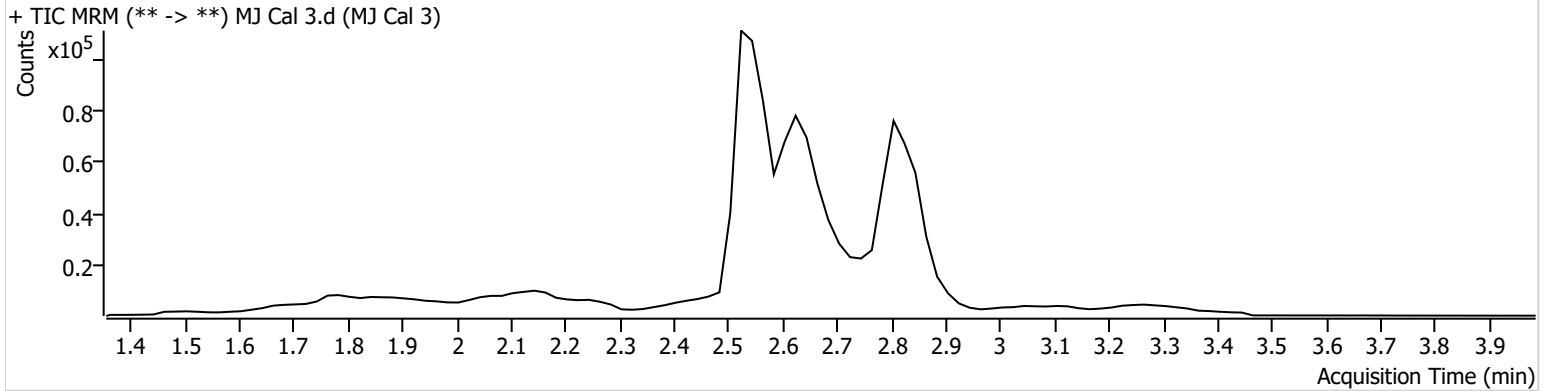
AM #26 Cannabinoids Screen Results



Batch results D:\MassHunter\Data\2021\AM 25-26\110521 AM 25 26 CS\QuantResults\AM 26 C-THC Only.batch.bin
Calibration Last Update 11/8/2021 10:12:02 AM

Instrument	Falco (069901)	Data File	MJ Cal 3.d
Type	Cal	Sample	MJ Cal 3
Acq. Method	AM 26 THCS.m	Operator	Celena Shrum
Sample Position	P1-C1	Comment	
Injection Volume	10		
Acq. Date-Time	11/5/2021 4:02:14 PM		

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC-COOH	2.627	38166	129718	20.1573 ng/ml

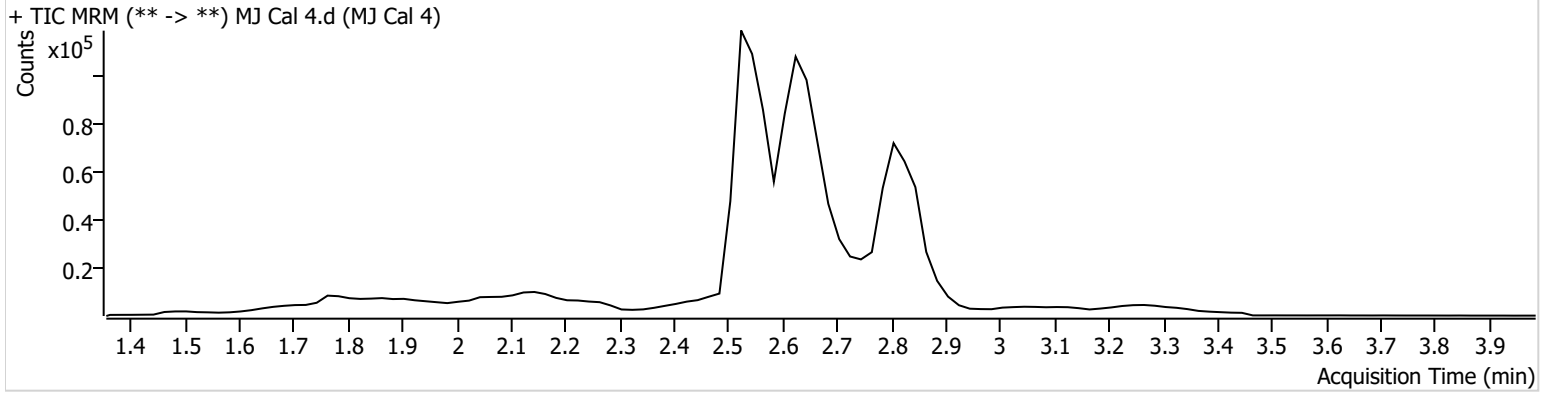
AM #26 Cannabinoids Screen Results



Batch results D:\MassHunter\Data\2021\AM 25-26\110521 AM 25 26 CS\QuantResults\AM 26 C-THC Only.batch.bin
Calibration Last Update 11/8/2021 10:12:02 AM

Instrument	Falco (069901)	Data File	MJ Cal 4.d
Type	Cal	Sample	MJ Cal 4
Acq. Method	AM 26 THCS.m	Operator	Celena Shrum
Sample Position	P1-D1	Comment	
Injection Volume	10		
Acq. Date-Time	11/5/2021 4:08:47 PM		

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC-COOH	2.627	95006	122185	55.4895 ng/ml

AM #26 Cannabinoids Screen Results

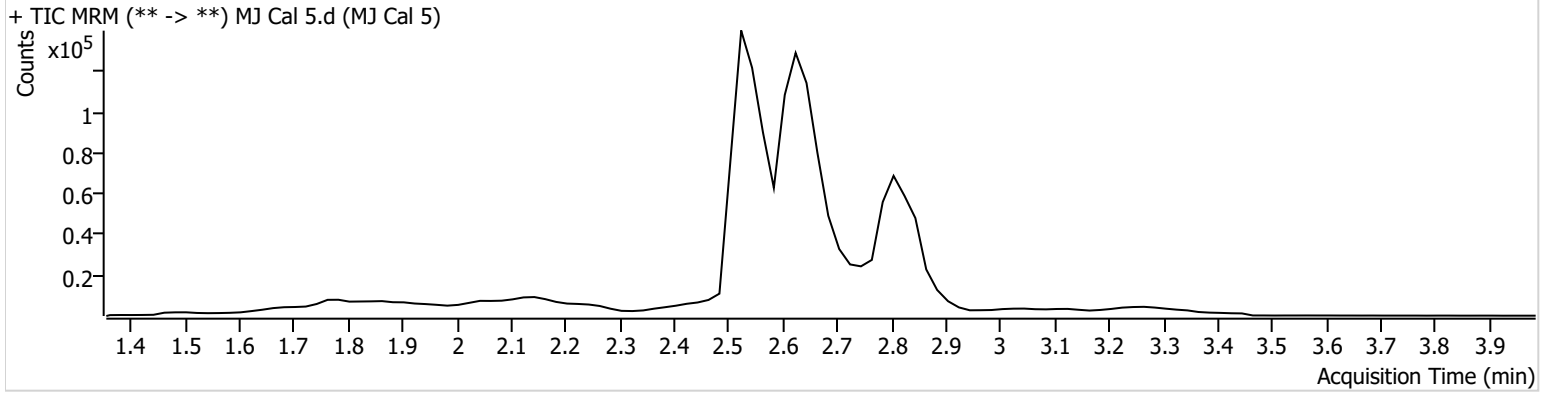


Batch results D:\MassHunter\Data\2021\AM 25-26\110521 AM 25 26 CS\QuantResults\AM 26 C-THC Only.batch.bin
Calibration Last Update 11/8/2021 10:12:02 AM

Instrument	Falco (069901)	Data File	MJ Cal 5.d
Type	Cal	Sample	MJ Cal 5
Acq. Method	AM 26 THCS.m	Operator	Celena Shrum
Sample Position	P1-E1	Comment	
Injection Volume	10		
Acq. Date-Time	11/5/2021 4:15:21 PM		

Sample Info.

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC-COOH	2.627	129396	120333	77.2561 ng/ml

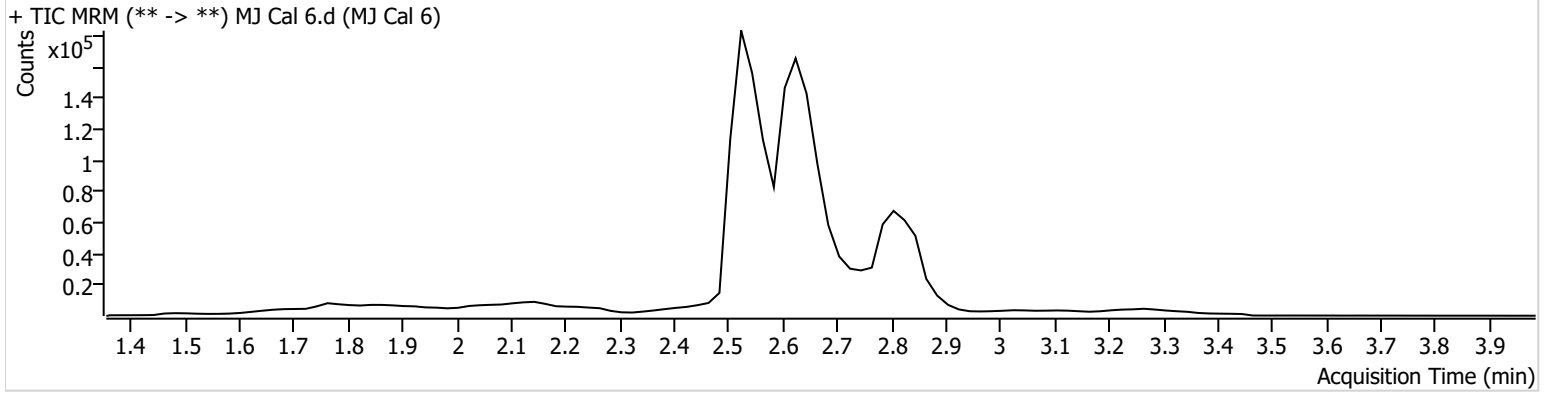
AM #26 Cannabinoids Screen Results



Batch results D:\MassHunter\Data\2021\AM 25-26\110521 AM 25 26 CS\QuantResults\AM 26 C-THC Only.batch.bin
Calibration Last Update 11/8/2021 10:12:02 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	11/5/2021 4:21:54 PM		

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC-COOH	2.627	185251	137865	96.8761 ng/ml

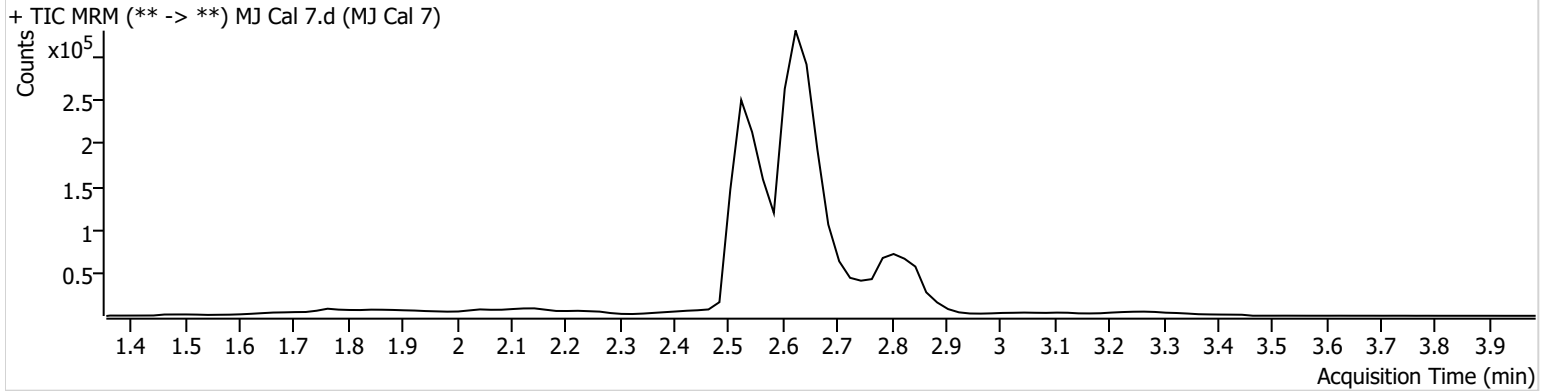
AM #26 Cannabinoids Screen Results



Batch results D:\MassHunter\Data\2021\AM 25-26\110521 AM 25 26 CS\QuantResults\AM 26 C-THC Only.batch.bin
Calibration Last Update 11/8/2021 10:12:02 AM

Instrument	Falco (069901)	Data File	MJ Cal 7.d
Type	Cal	Sample	MJ Cal 7
Acq. Method	AM 26 THCS.m	Operator	Celena Shrum
Sample Position	P1-G1	Comment	
Injection Volume	10		
Acq. Date-Time	11/5/2021 4:28:28 PM		

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC-COOH	2.627	454178	134256	245.9444 ng/ml