












REVIEWED
By Tamara Salazar at 11:30 am, Nov 30, 2021

Worklist: 5399

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
M2021-4521	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2021-4522	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2021-4576	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2021-4628	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2021-4629	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2021-4630	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2021-4631	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2021-4632	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2021-4647	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2021-4742	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2021-4834	2	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-2312	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-3389	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-3402	2	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-3575	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-3577	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-3578	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-3579	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-3581	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-3582	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-3596	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	

Worklist: 5399

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
P2021-3612	2	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-3646	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-3647	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-3649	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-3712	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-3739	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-3740	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-3741	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-3745	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-3746	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	

Due to limited sample volume, only AM 25 was done for M2021-4834-1 and P2021-3389-1. 

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

Extraction Date: 11/23/2021

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: Hydromorphone, morphine, norhydrocodone, and oxymorphone not evaluated for the urine external control due to a RT shift in the ISTD. Zopiclone not evaluated for P2021-3582-1 due to an issue with the ISTD. M2021-4116-2 (a urine case) was also included in this run.

	1	2	3	4	5	6	7	8	9	10	11	12
A					URINE EXTERNAL	M2021-4631-1	P2021-3575-1	P2021-3646-1	P2021-3746-1			
B	CAL				M2021-4116-2	M2021-4632-1	P2021-3577-1	P2021-3647-1				
C					M2021-4521-1	M2021-4647-1	P2021-3578-1	P2021-3649-1				
D					M2021-4522-1	M2021-4742-1	P2021-3579-1	P2021-3712-1				
E					M2021-4576-1	M2021-4834-2	P2021-3581-1	P2021-3739-1				
F					M2021-4628-1	P2021-2312-1	P2021-3582-1	P2021-3740-1				
G				Blood NEG	M2021-4629-1	P2021-3389-1	P2021-3596-1	P2021-3741-1				
H				Urine NEG	M2021-4630-1	P2021-3402-2	P2021-3612-2	P2021-3745-1				



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	

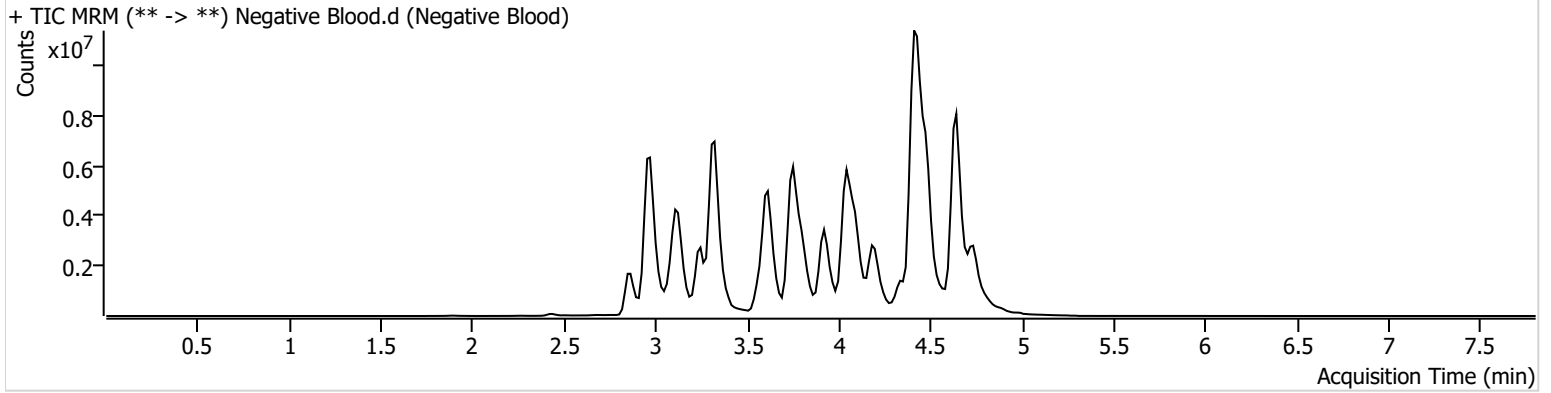
AM #25 Multi-Drug Screen Results



Batch results D:\MassHunter\Data\2021\AM 25-26\112321 AM 25 26 CS\QuantResults\AM 25.batch.bin
Calibration Last Update 11/29/2021 1:54:09 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	P6-G4	Comment	
Injection Volume	5		
Acq. Date-Time	11/23/2021 8:10:01 PM		
Sample Info.			

Sample Chromatogram



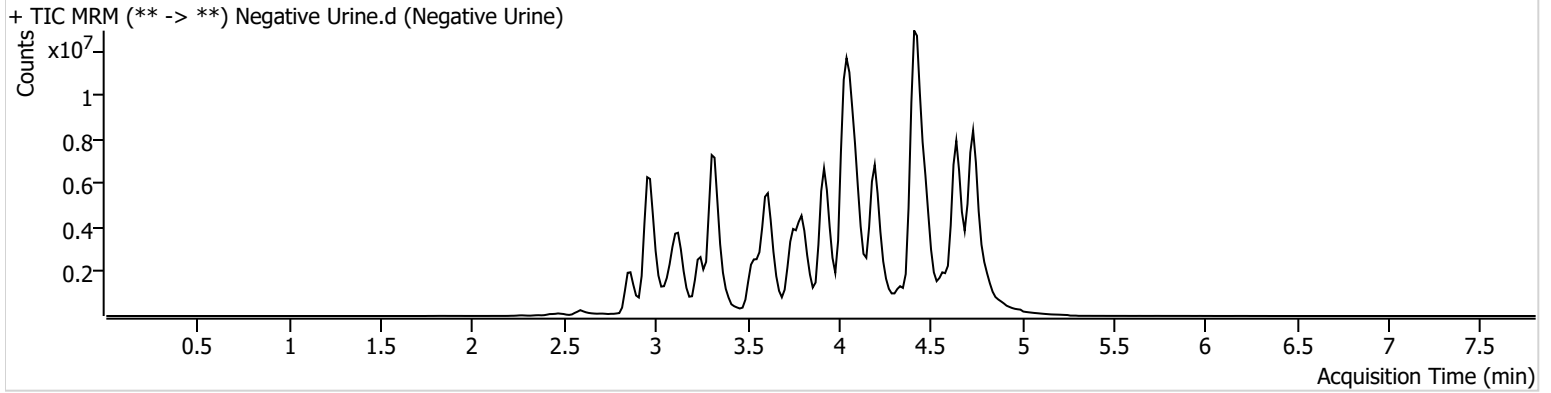
AM #25 Multi-Drug Screen Results



Batch results D:\MassHunter\Data\2021\AM 25-26\112321 AM 25 26 CS\QuantResults\AM 25.batch.bin
Calibration Last Update 11/29/2021 1:54:09 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	P6-H4	Comment	
Injection Volume	5		
Acq. Date-Time	11/23/2021 8:18:25 PM		
Sample Info.			

Sample Chromatogram



AM #25 Multi-Drug Screen Results

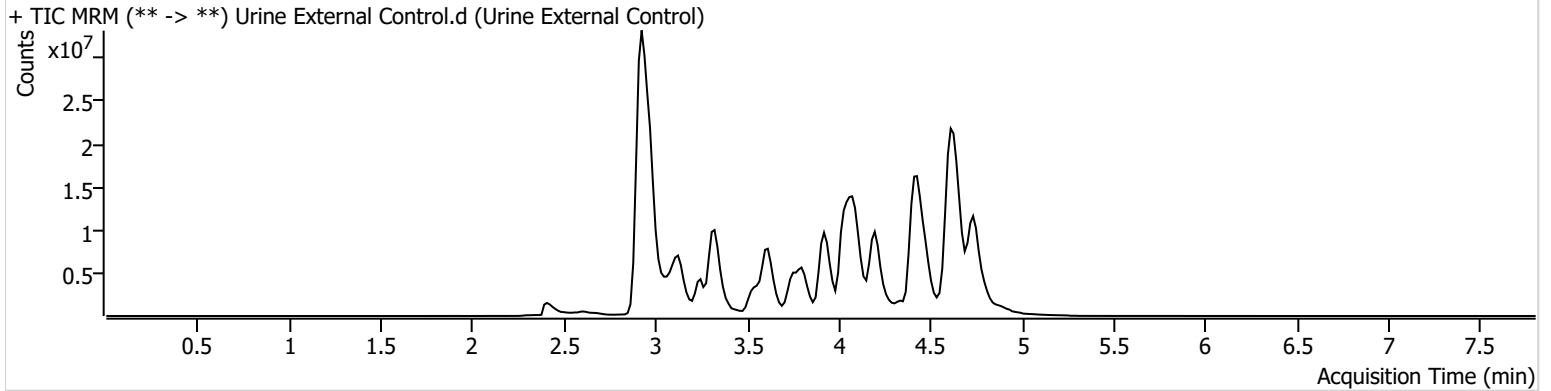


Batch results D:\MassHunter\Data\2021\AM 25-26\112321 AM 25 26 CS\QuantResults\AM 25.batch.bin
Calibration Last Update 11/29/2021 1:54:09 PM

Instrument	Falco (069901)	Data File	Urine External Control.d
Type	Sample	Sample	Urine External Control
Acq. Method	AM 25 MDS.m	Operator	Celena Shrum
Sample Position	P6-A5	Comment	
Injection Volume	5		
Acq. Date-Time	11/23/2021 8:26:50 PM		

Sample Info.

Sample Chromatogram



Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
Alprazolam	4.616	40246970	7280.67	7419.79	27014726	123.2441
Amphetamine	2.921	30534953	49826.02	4725.17	8464714	140.0124
O-desmethyl-tramadol	2.946	64493718	∞	15343.84	72308057	22.2014

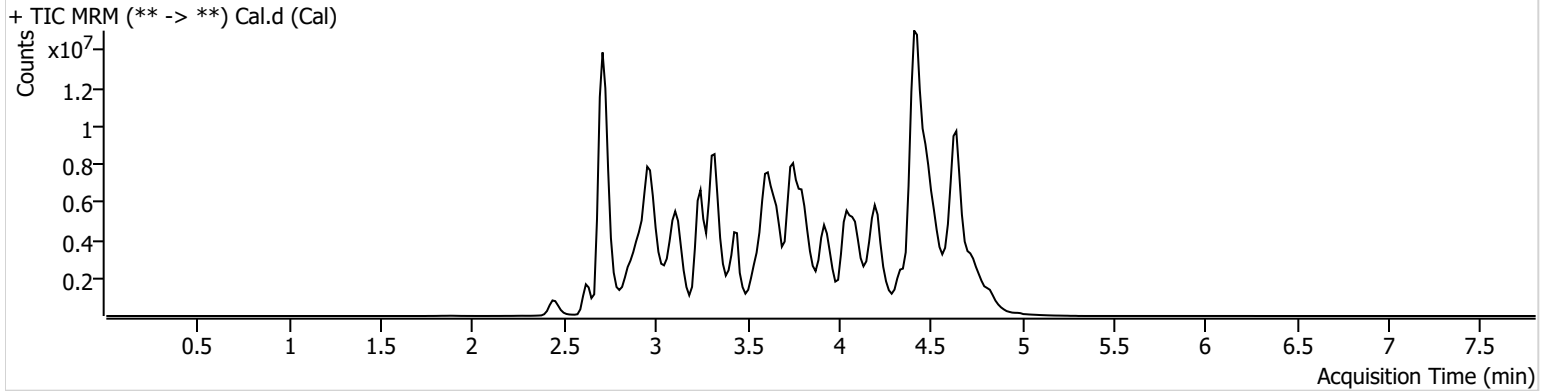
AM #25 Multi-Drug Screen Results



Batch results D:\MassHunter\Data\2021\AM 25-26\112321 AM 25 26 CS\QuantResults\AM 25.batch.bin
Calibration Last Update 11/29/2021 1:54:09 PM

Instrument	Falco (069901)	Data File	Cal.d
Type	Cal	Sample	Cal
Acq. Method	AM 25 MDS.m	Operator	Celena Shrum
Sample Position	P6-B1	Comment	
Injection Volume	5		
Acq. Date-Time	11/23/2021 8:01:27 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
6-MAM	3.000	43588	33453.53	40792.69	1394965	10.0000
7-aminoclonazepam	3.572	663680	160.63	108.14	4799769	10.0000
7-aminoflunitrazepam	3.786	1819788	98.35	229.68	4799769	10.0000
Acetyl Fentanyl	3.983	48638	43.65	18058.92	26770401	10.0000
Acetyl Norfentanyl	2.902	270589	1046.91	303.46	26770401	10.0000
a-hydroxyalprazolam	4.490	256257	4392.13	42811.71	4799769	10.0000
alpha-hydroxymidazolam	4.581	1315450	113.33	986421.16	4799769	10.0000
Alpha-PHP	3.868	1601258	6793.51	452.50	26770401	10.0000
alpha-PVP	3.608	2857628	451.05	680.30	5440904	10.0000
Alprazolam	4.616	2790416	265.26	4106.99	23083535	10.0000
Amitriptyline	4.466	177559	39.07	10.63	484243	10.0000
Amphetamine	2.890	1401812	192.21	153.66	5440904	10.0000
Benzoylcegonine	3.371	321268	1387.35	52.28	444642	10.0000
Brompheniramine	4.061	10625	35.33	65.23	17041415	10.0000
Buprenorphine	4.837	139067	11961.31	11398.69	587833	10.0000
Bupropion	3.837	1585423	202.26	264.19	6140291	10.0000
Carbamazepine	4.223	12105019	1774.01	∞	707675	10.0000
Carisoprodol	4.206	1177193	154.35	103.21	6796782	10.0000
Chlordiazepoxide	4.710	1051762	282.98	7795.55	23083535	10.0000
Chlorpheniramine	3.973	1215293	530.90	∞	17041415	10.0000
Citalopram	4.075	813555	90.50	121437.28	17041415	10.0000
Clomipramine	4.661	266323	2115.77	50812.11	17041415	10.0000
Clonazepam	4.430	1292643	121.92	88.61	23083535	10.0000
Clonazolam	4.350	1547632	652505.46	175162.58	23083535	10.0000
Cocaethylene	3.814	3428764	4067.81	1225.20	18325472	10.0000
Cocaine	3.616	3158167	1469580.45	235.45	18325472	10.0000
Codeine	2.927	338421	356.90	1018.06	9598114	10.0000
Cyclobenzaprine	4.390	240151	23.28	7.12	484243	10.0000
Desipramine	4.390	354342	40.99	81.52	484243	10.0000
Dextromethorphan	4.112	351497	37.07	78.41	1882392	10.0000
Dextrorphan	3.405	1424697	124.46	418.60	1882392	10.0000
Diazepam	4.834	1270677	296.66	254.23	23083535	10.0000
Dihydrocodeine	2.820	999128	1845.87	217.26	9598114	10.0000
Diphenhydramine	4.051	2218881	867.15	137017.47	17041415	10.0000

Cal

AM #25 Multi-Drug Screen Results



Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
Doxepin	4.188	243233	27.72	17.11	6763873	10.0000
Doxylamine	3.665	6323669	2996.48	225588.29	1882392	10.0000
EDDP	4.096	259856	71.18	68.74	891052	10.0000
Estazolam	4.525	5741423	207.58	609.22	23083535	10.0000
Etizolam	4.626	338374	140076.94	465880.62	23083535	10.0000
Fentanyl	4.212	23312	12.90	3013.36	2343905	10.0000
Flualprazolam	4.474	749350	327396.34	242297.00	23083535	10.0000
Flunitrazepam	4.538	2282697	182.41	417065.71	23083535	10.0000
Fluoxetine	4.324	259280	129540.03	6.07	510589	10.0000
Flurazepam	4.272	727460	199453.44	50312.53	23083535	10.0000
Hydrocodone	3.125	1397588	257.29	961.31	9598114	10.0000
Hydromorphone	2.640	924082	1237.33	1123.74	273381	10.0000
Imipramine	4.419	471965	178.64	90.97	484243	10.0000
Ketamine	3.684	3313499	3120.75	57.48	11011785	10.0000
Lamotrigine	3.605	270098	2258.91	22046.41	17041415	10.0000
Levamisole	3.055	2601948	1467.96	1422.50	18325472	10.0000
Levetiracetam	2.629	1292172	180.40	3683.78	17041415	10.0000
Lorazepam	4.414	461704	141.66	322.76	23083535	10.0000
Maprotiline	4.466	117758	21.18	85.63	484243	10.0000
MDA	3.010	1048594	99.37	87.39	12502727	10.0000
MDEA	3.255	2101169	81.97	1373.02	12502727	10.0000
MDMA	3.102	2856870	242.80	146.44	12502727	10.0000
Meperidine	3.636	1353200	142.37	165.67	1882392	10.0000
Meprobamate	3.639	572150	162.40	36.35	6796782	10.0000
Methadone	4.416	1054072	551.32	933.13	891052	10.0000
Methamphetamine	3.012	2221028	834.22	2221.96	12502727	10.0000
Methocarbamol	3.560	824847	501.02	7275.79	891052	10.0000
Methylphenidate	3.545	4964281	832.25	571.32	7369442	10.0000
Metoprolol	3.450	411400	309.48	63.81	1882392	10.0000
Midazolam	4.766	502835	220.61	1148423.88	23083535	10.0000
Mirtazapine	4.175	1029889	2627.43	569.94	1882392	10.0000
Mitragynine	4.271	71602	28724.50	88898.16	1882392	10.0000
Morphine	2.473	246478	225.58	260.81	273381	10.0000
Norbuprenorphine	3.841	12775	104.29	6516.51	587833	10.0000
Nordiazepam	4.682	1325280	2190092.43	3753.53	23083535	10.0000
Norfentanyl	3.330	4334726	4431.95	332.46	26770401	10.0000
Norhydrocodone	2.959	118357	22.38	27.08	273381	10.0000
Norketamine	3.792	525482	72.96	7043.16	11011785	10.0000
Normeperidine	3.607	976547	95.93	543.30	17041415	10.0000
Noroxycodone	2.896	1018922	92.34	60.01	11011785	10.0000
Nortriptyline	4.437	147118	5327.43	31.52	484243	10.0000
O-desmethyl-tramadol	2.915	6846314	8713.90	68.02	17041415	10.0000
Olanzapine	3.923	145918	67116.39	17591.21	707675	10.0000
Oxazepam	4.495	2407242	340.88	463.49	13152913	10.0000
Oxycodone	2.970	2676878	390.65	402.05	11011785	10.0000
Oxymorphone	2.438	921740	96.70	11167.47	273381	10.0000
Paroxetine	4.351	21214	33.14	7136.86	510589	10.0000
Phenazepam	4.626	2126649	489.43	165357.89	23083535	10.0000
Phencyclidine	3.945	1803384	192.01	617.15	1882392	10.0000
Phentermine	3.150	560457	255.22	13.33	7369442	10.0000
Phenytoin	4.114	1479643	1716.85	361.33	707675	10.0000
Promethazine	4.388	542159	207260.38	32.69	17041415	10.0000
Pseudoephedrine	2.721	47733131	1255.73	668.51	12502727	10.0000
Quetiapine	4.594	1336226	772.14	402707.00	48164978	10.0000
Sertraline	4.570	98626	66553.45	1259.26	510589	10.0000
Sufentanil	4.594	22232	15694.82	18.07	26770401	10.0000
Tapentadol	3.439	3297683	∞	125.01	11011785	10.0000
Temazepam	4.648	4057895	111.65	263.61	23083535	10.0000
Tramadol	3.435	6002778	295.57	254.42	17041415	10.0000
Trazodone	4.778	1280475	207.75	288.12	6763873	10.0000

Cal

AM #25 Multi-Drug Screen Results



Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
Venlafaxine	3.803	2860490	346.49	140.83	510589	10.0000
Zaleplon	4.341	2695386	1184837.70	162.45	48164978	10.0000
Zolpidem	4.432	8949593	3047.32	5665.96	48164978	10.0000
Zopiclone	4.348	273986	101912.45	57371.87	1283658	10.0000

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

Extraction Date: 11/23/2021

Analyst: Celena Shrum

Plate lot#: IDP-108-3-211018

Plate Retest Date: 04/18/2022

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: THC not evaluated. THC-OH curve limit: 3-100

	1	2	3	4	5	6
a	cal 1ng	QC 2	M2021-4632-1	P2021-3579-1	P2021-3712-1	
b	cal 3 ng	M2021-4521-1	M2021-4647-1	P2021-3581-1	P2021-3739-1	
c	cal 5 ng	M2021-4522-1	M2021-4742-1	P2021-3582-1	P2021-3740-1	
d	cal 10ng	M2021-4576-1	P2021-2312-1	P2021-3596-1	P2021-3741-1	
e	cal 25 ng	M2021-4628-1	P2021-3402-2	P2021-3612-2	P2021-3745-1	
f	cal 50 ng	M2021-4629-1	P2021-3575-1	P2021-3646-1	P2021-3746-1	
g	cal 100 ng	M2021-4630-1	P2021-3577-1	P2021-3647-1	Blood NC	
h	QC 1	M2021-4631-1	P2021-3578-1	P2021-3649-1		

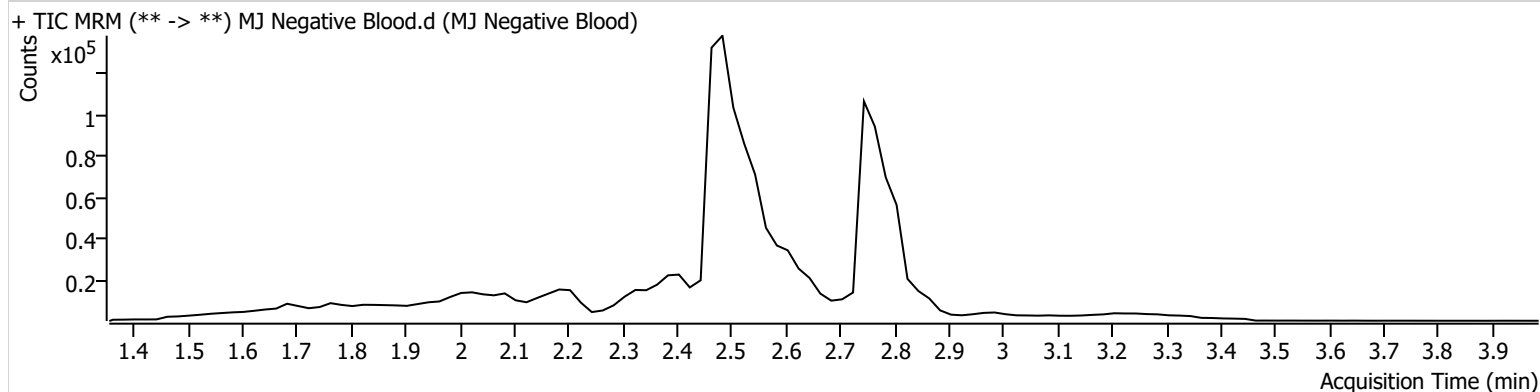
AM #26 Cannabinoids Screen Results



Batch results D:\MassHunter\Data\2021\AM 25-26\112321 AM 25 26 CS\QuantResults\AM 26 THC Removed.batch.bin
Calibration Last Update 11/29/2021 2:13:03 PM

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	P5-G5	Comment	
Injection Volume	10		
Acq. Date-Time	11/23/2021 3:47:48 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC-OH	2.534	2284	442828	1.7564 ng/ml Low

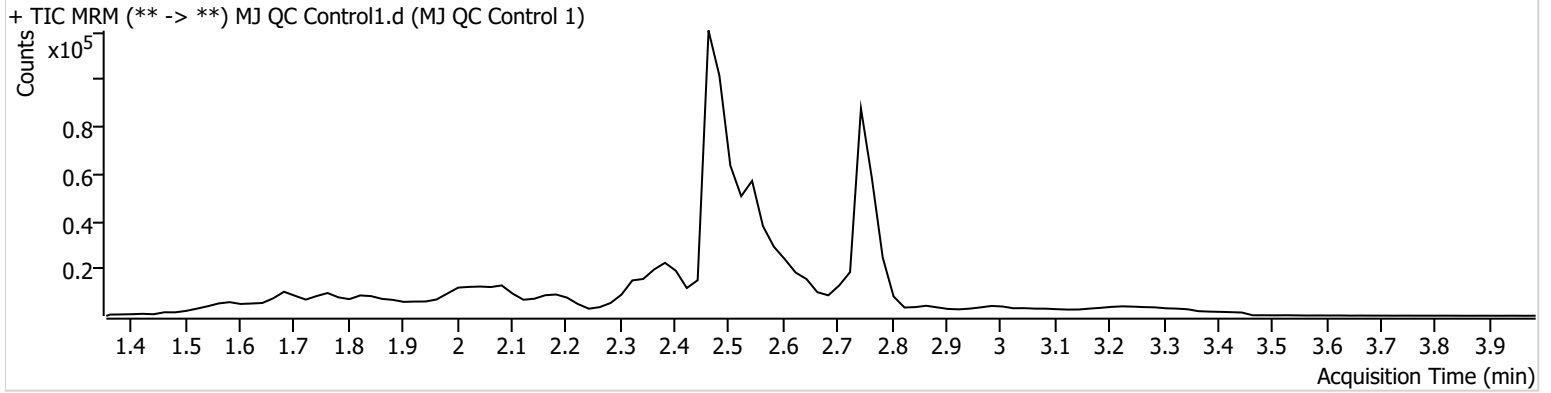
AM #26 Cannabinoids Screen Results



Batch results D:\MassHunter\Data\2021\AM 25-26\112321 AM 25 26 CS\QuantResults\AM 26 THC Removed.batch.bin
Calibration Last Update 11/29/2021 2:13:03 PM

Instrument	Falco (069901)	Data File	MJ QC Control1.d
Type	Sample	Sample	MJ QC Control 1
Acq. Method	AM 26 THCS.m	Operator	Celena Shrum
Sample Position	P5-H1	Comment	
Injection Volume	10		
Acq. Date-Time	11/23/2021 3:34:39 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC-COOH	2.547	18527	74187	14.5316 ng/ml
THC-OH	2.474	4285	326710	5.6541 ng/ml

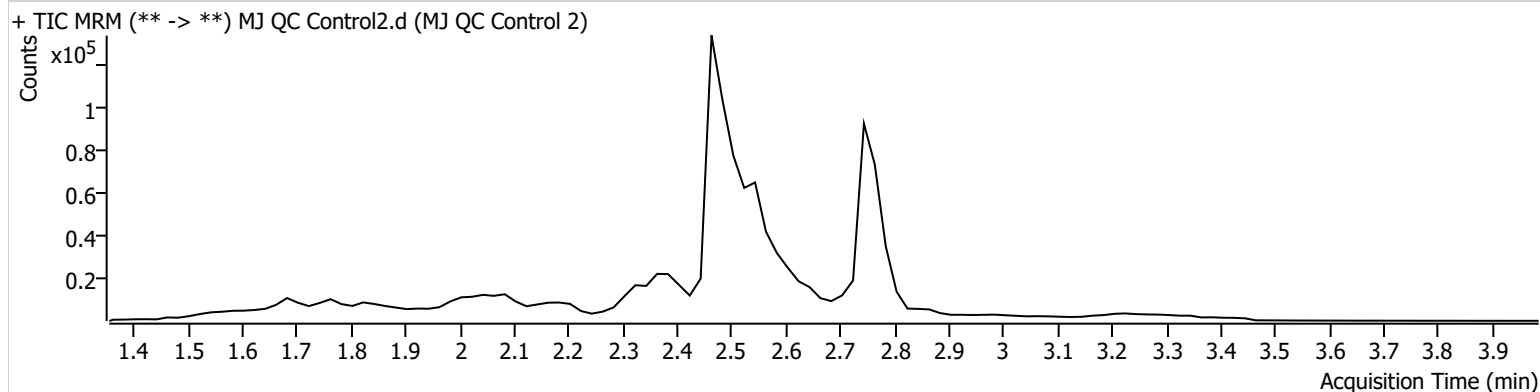
AM #26 Cannabinoids Screen Results



Batch results D:\MassHunter\Data\2021\AM 25-26\112321 AM 25 26 CS\QuantResults\AM 26 THC Removed.batch.bin
Calibration Last Update 11/29/2021 2:13:03 PM

Instrument	Falco (069901)	Data File	MJ QC Control2.d
Type	Sample	Sample	MJ QC Control 2
Acq. Method	AM 26 THCS.m	Operator	Celena Shrum
Sample Position	P5-A2	Comment	
Injection Volume	10		
Acq. Date-Time	11/23/2021 7:04:45 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC-COOH	2.547	20260	82033	14.3671 ng/ml
THC-OH	2.474	4775	371587	5.5250 ng/ml

cg



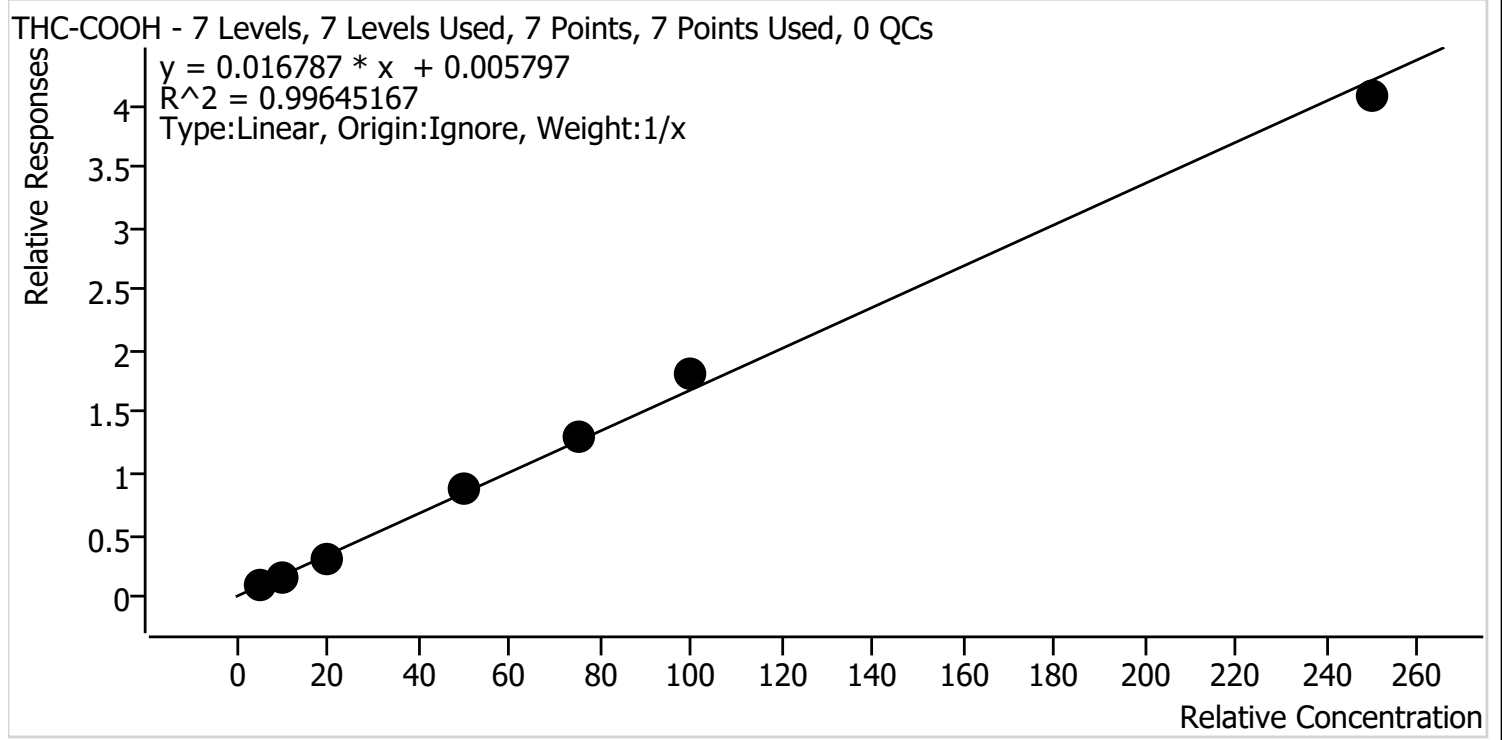
AM #26 Cannabinoids Screen Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 25-26\112321 AM 25 26 CS\QuantResults\AM 26 THC
Removed.batch.bin

Last Cal. Update 11/29/2021 2:13 PM

Analyst Name ISP\datastor

Analyte THC-COOH **Internal Standard** THC-COOH-D9

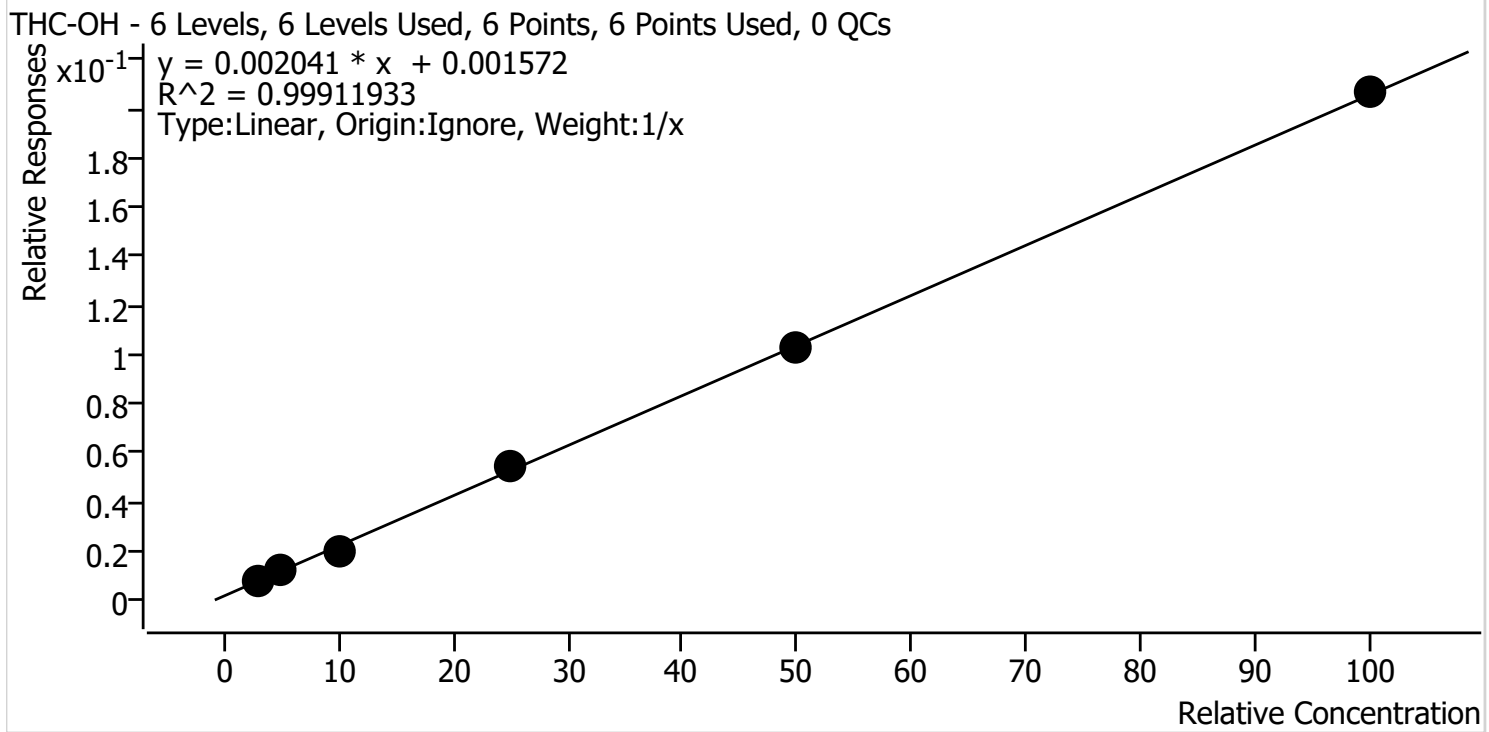


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
MJ Cal 1	1	✓	5.0	5.6	112.7
MJ Cal 2	2	✓	10.0	9.1	90.7
MJ Cal 3	3	✓	20.0	17.4	87.2
MJ Cal 4	4	✓	50.0	51.3	102.5
MJ Cal 5	5	✓	75.0	76.8	102.4
MJ Cal 6	6	✓	100.0	107.5	107.5
MJ Cal 7	7	✓	250.0	242.2	96.9



AM #26 Cannabinoids Screen Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 25-26\112321 AM 25 26 CS\QuantResults\AM 26 THC
 Removed.batch.bin
Last Cal. Update 11/29/2021 2:13 PM
Analyst Name ISP\datastor
Analyte THC-OH **Internal Standard** THC-OH-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
MJ Cal 2	2	✓	3.0	3.1	104.9
MJ Cal 3	3	✓	5.0	5.1	101.5
MJ Cal 4	4	✓	10.0	9.1	91.1
MJ Cal 5	5	✓	25.0	25.8	103.2
MJ Cal 6	6	✓	50.0	49.4	98.7
MJ Cal 7	7	✓	100.0	100.5	100.5

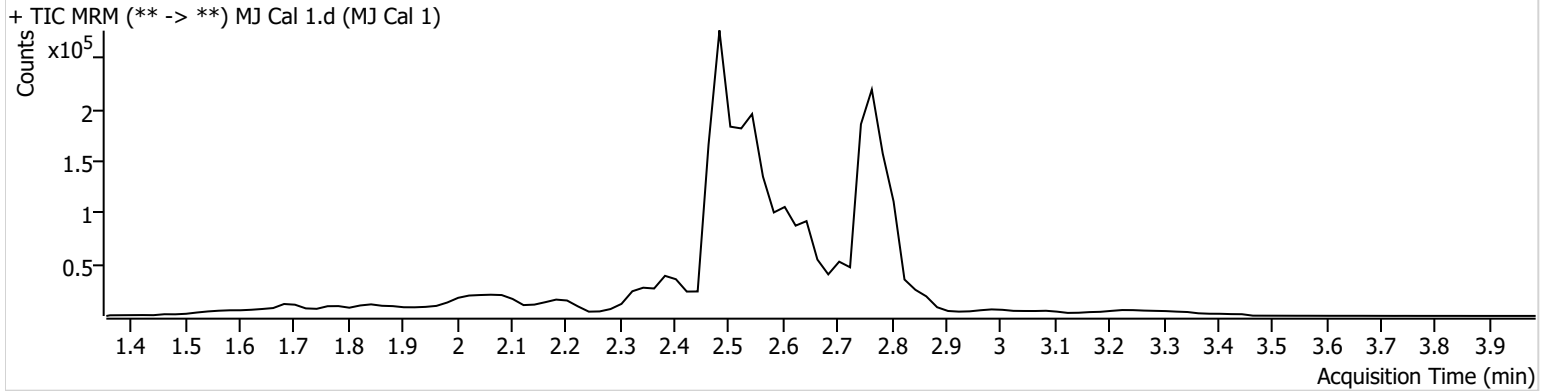
AM #26 Cannabinoids Screen Results



Batch results D:\MassHunter\Data\2021\AM 25-26\112321 AM 25 26 CS\QuantResults\AM 26 THC Removed.batch.bin
Calibration Last Update 11/29/2021 2:13:03 PM

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	P5-A1	Comment	
Injection Volume	10		
Acq. Date-Time	11/23/2021 2:48:31 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC-COOH	2.547	21205	211170	5.6367 ng/ml

AM #26 Cannabinoids Screen Results

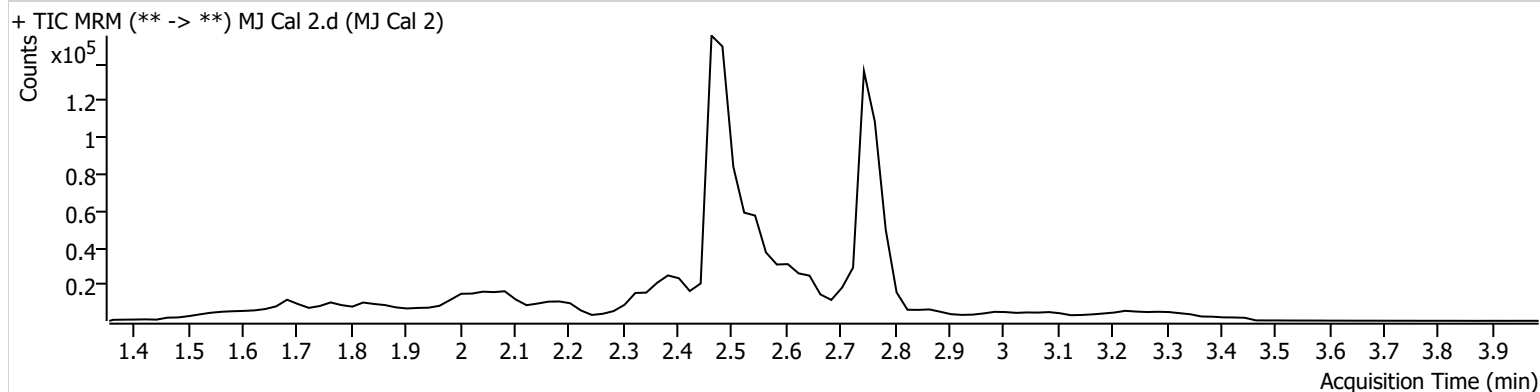


Batch results D:\MassHunter\Data\2021\AM 25-26\112321 AM 25 26 CS\QuantResults\AM 26 THC Removed.batch.bin
Calibration Last Update 11/29/2021 2:13:03 PM

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	P5-B1	Comment	
Injection Volume	10		
Acq. Date-Time	11/23/2021 2:55:15 PM		

Sample Info.

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC-COOH	2.547	13217	83646	9.0674 ng/ml
THC-OH	2.514	3578	447304	3.1482 ng/ml

CS

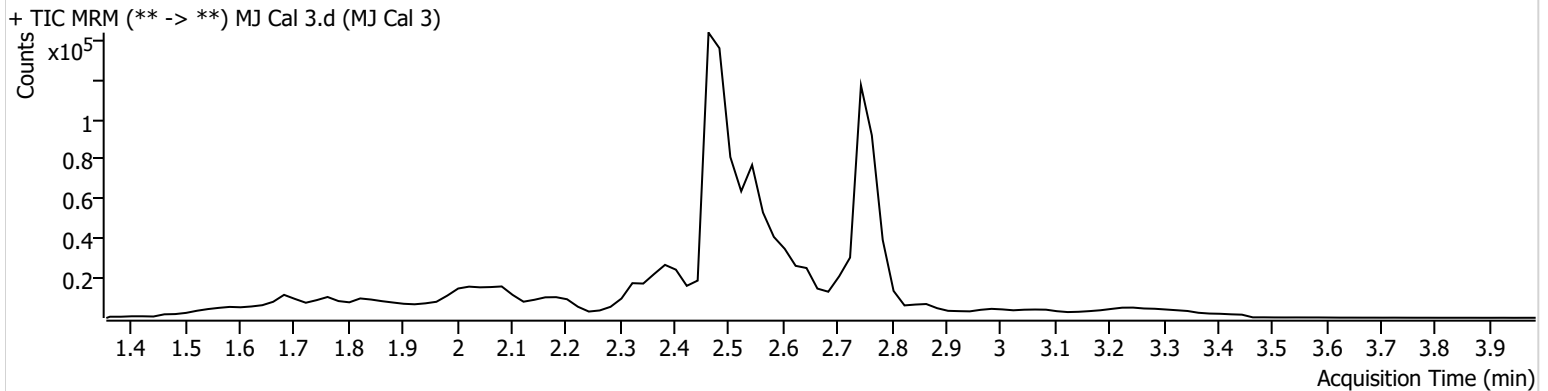


AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2021\AM 25-26\112321 AM 25 26 CS\QuantResults\AM 26 THC Removed.batch.bin
Calibration Last Update 11/29/2021 2:13:03 PM

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 P5-C1 **Comment**
Injection Volume 10
Acq. Date-Time 11/23/2021 3:01:48 PM
Sample Info.

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC-COOH	2.547	29918	100171	17.4466 ng/ml
THC-OH	2.474	4873	408320	5.0759 ng/ml

AM #26 Cannabinoids Screen Results

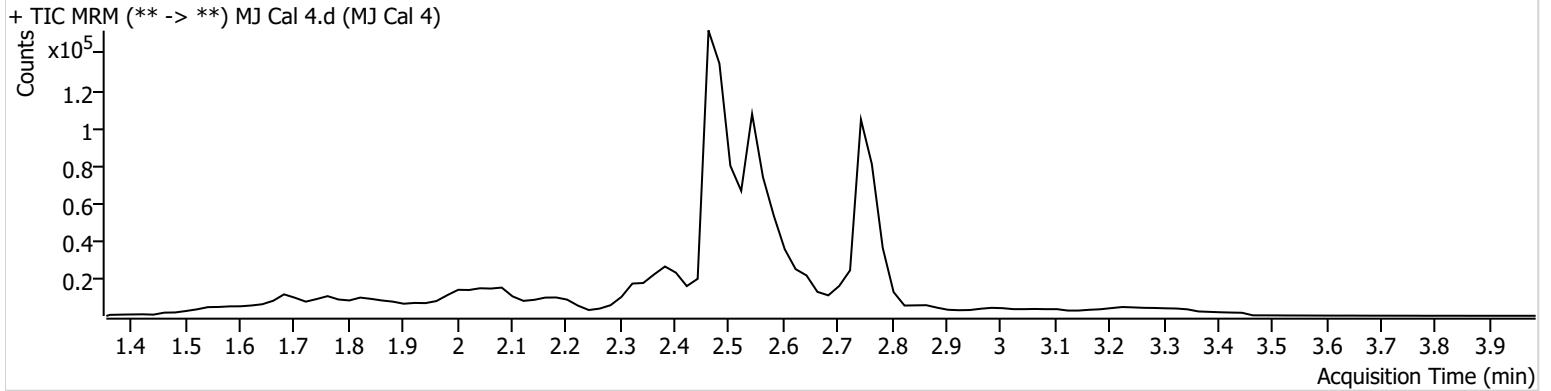


Batch results D:\MassHunter\Data\2021\AM 25-26\112321 AM 25 26 CS\QuantResults\AM 26 THC Removed.batch.bin
Calibration Last Update 11/29/2021 2:13:03 PM

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	P5-D1	Comment	
Injection Volume	10		
Acq. Date-Time	11/23/2021 3:08:22 PM		

Sample Info.

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC-COOH	2.547	70424	81307	51.2522 ng/ml
THC-OH	2.474	7866	390099	9.1079 ng/ml

AM #26 Cannabinoids Screen Results

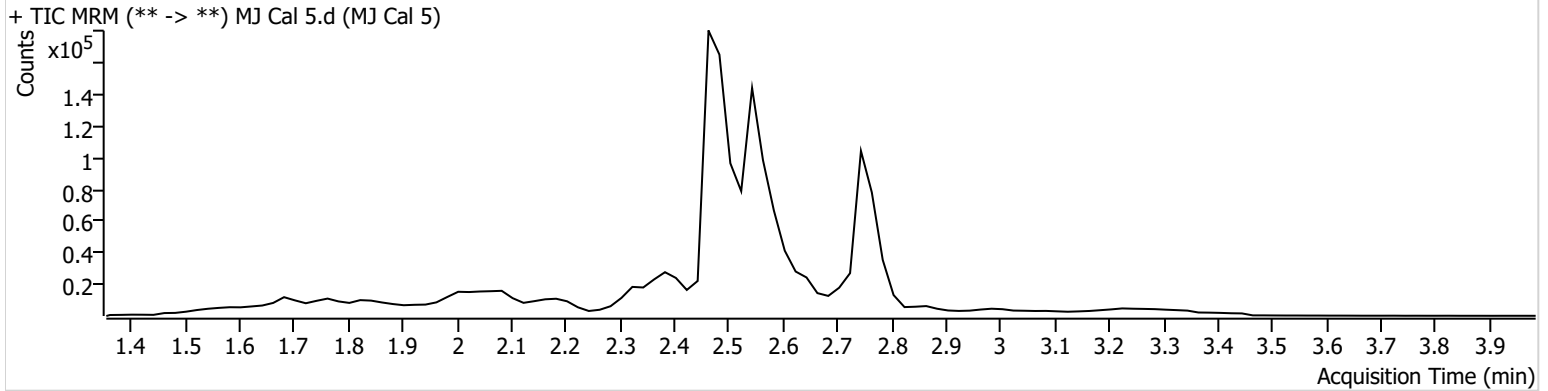


Batch results D:\MassHunter\Data\2021\AM 25-26\112321 AM 25 26 CS\QuantResults\AM 26 THC Removed.batch.bin
Calibration Last Update 11/29/2021 2:13:03 PM

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	P5-E1	Comment	
Injection Volume	10		
Acq. Date-Time	11/23/2021 3:14:58 PM		

Sample Info.

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC-COOH	2.547	107610	83075	76.8193 ng/ml
THC-OH	2.474	20078	370022	25.8109 ng/ml

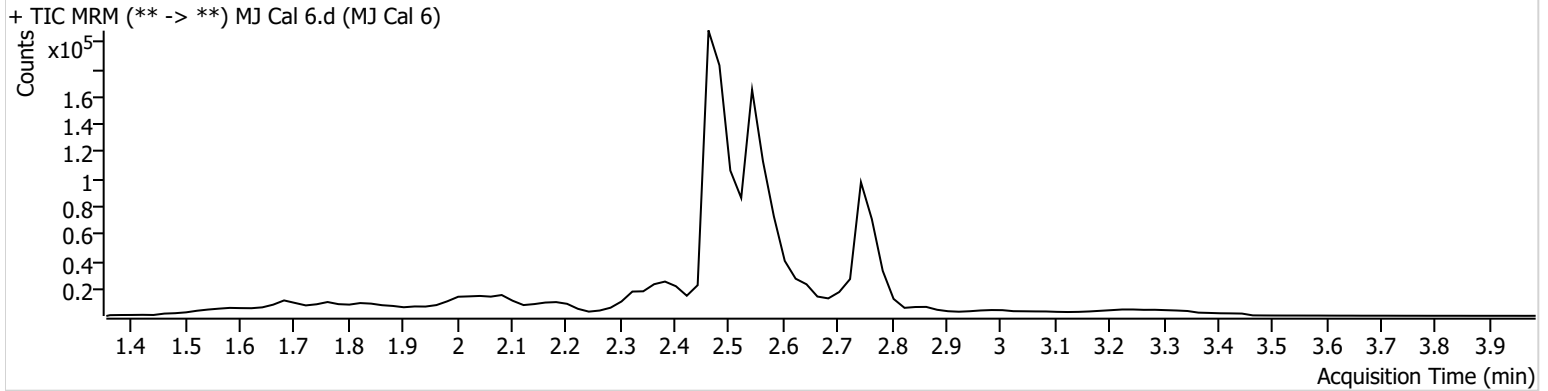
AM #26 Cannabinoids Screen Results



Batch results D:\MassHunter\Data\2021\AM 25-26\112321 AM 25 26 CS\QuantResults\AM 26 THC Removed.batch.bin
Calibration Last Update 11/29/2021 2:13:03 PM

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	P5-F1	Comment	
Injection Volume	10		
Acq. Date-Time	11/23/2021 3:21:32 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC-COOH	2.547	135246	74686	107.5301 ng/ml
THC-OH	2.474	34390	336046	49.3604 ng/ml

AM #26 Cannabinoids Screen Results

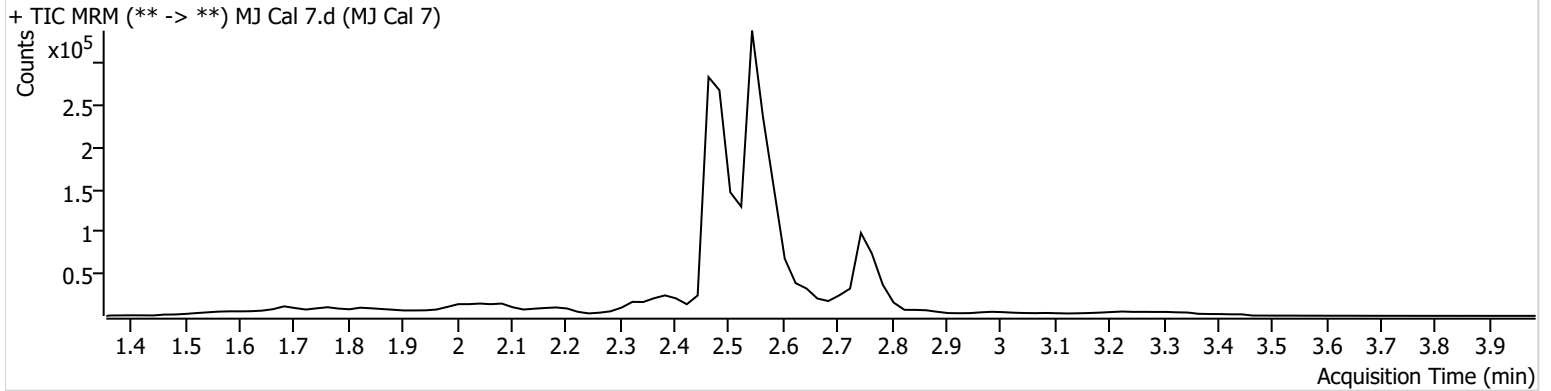


Batch results D:\MassHunter\Data\2021\AM 25-26\112321 AM 25 26 CS\QuantResults\AM 26 THC Removed.batch.bin
Calibration Last Update 11/29/2021 2:13:03 PM

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	P5-G1	Comment	
Injection Volume	10		
Acq. Date-Time	11/23/2021 3:28:05 PM		

Sample Info.

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC-COOH	2.547	337244	82814	242.2477 ng/ml
THC-OH	2.474	68723	332432	100.4966 ng/ml