









Worklist: 6414

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
M2023-1992	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2023-2086	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2023-2090	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2023-2124	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2023-2125	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2023-1280	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2023-1602	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2023-1603	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2023-1605	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2023-1606	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2023-1616	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2023-1628	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2023-1635	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2023-1652	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2023-1655	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2023-1669	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2023-1676	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2023-1712	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2023-1713	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2023-1718	1	BLOOD	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2023-1748	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	

Worklist: 6414

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<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
P2023-1749	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2023-1751	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2023-1752	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2023-1760	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2023-1762	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2023-1764	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2023-1765	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2023-1779	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	

P2023-1425-1 was also included in this run.

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

Extraction Date: 06/28/2023

Plate lot#: 230119

Mobile phase A: 10mM Amm Form

Instant Buffer I

Blank Blood Lot: Lampire 23A52594

LCMS-QQQ ID: 069901

Analyst: Celena Shrum

Plate Retest Date: 07/19/2023

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. Using a calibrated pipette, pipette **250µL blood** into wells of analytical (standards) plate. **Pipette ID: 16**
- 3. Pipette **250µL 0.5 M ammonium hydroxide** in wells of analytical plate.
- 4. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- 5. Transfer **200-450µL of blood+base and** mixture to corresponding wells of SLE+ plate.
Amount transferred: 250µl
- 6. 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
- 7. Wait 5 minutes.
- 8. Add **900uL ethyl acetate**.
- 9. Wait 5 minutes.
- 10. Apply positive pressure for approx. 15 seconds. *(10-15 PSI- Selector to the left).*
- 11. Add **900uL ethyl acetate**.
- 12. Wait 5 minutes.
- 13. Apply positive pressure for approx. 15 seconds. *(10-15 PSI- Selector to the left).*
- 14. Remove plate containing eluate.
- 15. Add 50µl of 1% HCl in MeOH to all wells in the run and place ACT cover on top of plate prior to drying.
- 16. Place on SPE Dry and evaporate to dryness at approx. 35°C.
- 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: P2023-1652-1 reinjected due to low ISTD responses. There were shifts in the ISTD for some of the compounds for the reinjected sample, but all compounds were able to be evaluated as the ISTD peaks could still be seen and any compounds that were evaluated as presumptively positive had also shifted alongside the ISTD. ~~Negative control evaluated as negative for norbuprenorphine due to the concentration being in analyst discretion range and ratio being off.~~ Norbuprenorphine was not evaluated as there was a response in the negative control.

CS 7/11/23

	1	2	3	4	5	6	7	8	9	10	11	12
A	CAL					P2023-1602-1	P2023-1655-1	P2023-1751-1	NEG			
B						P2023-1603-1	P2023-1669-1	P2023-1752-1				
C					M2023-1992-1	P2023-1605-1	P2023-1676-1	P2023-1760-1				
D					M2023-2086-1	P2023-1606-1	P2023-1712-1	P2023-1762-1				
E					M2023-2090-1	P2023-1616-1	P2023-1713-1	P2023-1764-1				
F					M2023-2124-1	P2023-1628-1	P2023-1718-1	P2023-1765-1				
G					M2023-2125-1	P2023-1635-1	P2023-1748-1	P2023-1779-1				
H					P2023-1280-1	P2023-1652-1	P2023-1749-1	P2023-1425-1				

Samples moved on SLE plate to A1-H4 (C5 moved to C1, H5 moved to H1, etc.). NEG was moved to B1.



AM #25 Multi-Drug Screen. Results

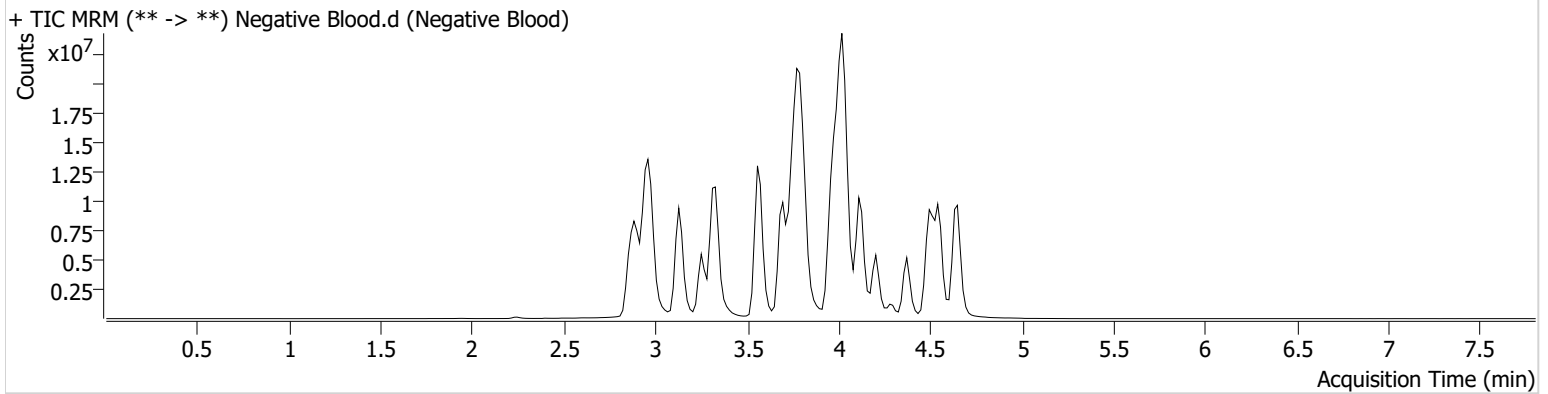
Batch results D:\MassHunter\Data\2023\AM 25 26\062823 AM 25 26 CS\QuantResults\AM 25.batch.bin
Calibration Last Update 7/11/2023 8:35:37 AM

Instrument Falco (069901)
Type Sample
Acq. Method AM 25 MDS.m
Sample Position P2-B1
Injection Volume 5
Acq. Date-Time 6/28/2023 6:50:06 PM
Sample Info.

Data File Negative Blood.d
Sample Negative Blood
Operator Celena Shrum
Comment

Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values included in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Norbuprenorphine	3.799	19499	14.56	81.5 Low	7999.65	2480705	2.0361 ng/ml

~~Evaluated as negative due to being in analyst discretion range and the ratio being off.~~

Norbuprenorphine not evaluated. *CS*



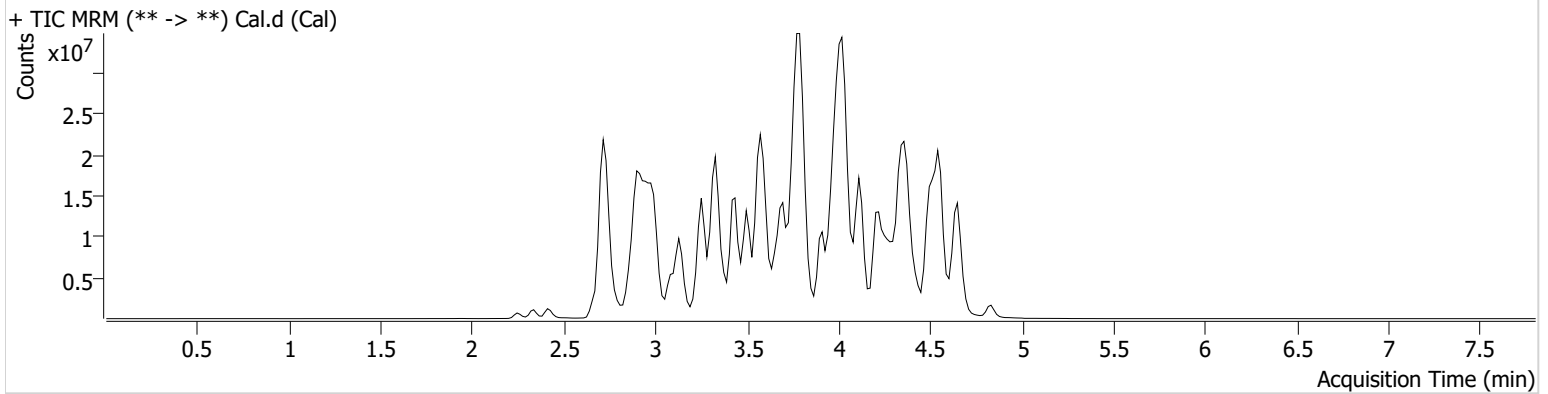
AM #25 Multi-Drug Screen. Results

Batch results D:\MassHunter\Data\2023\AM 25 26\062823 AM 25 26 CS\QuantResults\AM 25.batch.bin
Calibration Last Update 7/11/2023 8:35:37 AM

Instrument Falco (069901) **Data File** Cal.d
Type Cal **Sample** Cal
Acq. Method AM 25 MDS.m **Operator** Celena Shrum
Sample Position P2-A1 **Comment**
Injection Volume 5
Acq. Date-Time 6/28/2023 6:41:30 PM
Sample Info.

Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values included in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
10-OH-Carbamazepine	3.779	3633989	396.55	98.1	2145.22	22046591	10.0000 ng/ml
6-MAM	2.866	62679	53125.18	84.6	53277.93	1464703	10.0000 ng/ml
7-aminoclonazepam	3.576	1742359	331.33	75.2	9548.77	6918501	10.0000 ng/ml
7-aminoflunitrazepam	3.776	2501703	713.72	22.6	163.94	6918501	10.0000 ng/ml
9-Hydroxyrisperidone	3.799	12257453	5828798.59	2.3	407059.94	37206075	10.0000 ng/ml
Acetyl Fentanyl	3.742	588169	196.52	71.4	241433.13	36316543	10.0000 ng/ml
Acetyl Norfentanyl	2.905	600680	409.20	37.8	139.31	36316543	10.0000 ng/ml
a-hydroxyalprazolam	4.496	271598	44.14	62.7	58.37	6918501	10.0000 ng/ml
alpha-hydroxymidazolam	4.479	2599467	708.56	69.3	1454.13	6918501	10.0000 ng/ml
Alpha-PHP	3.780	4541280	7409.39	34.7	1578.94	36316543	10.0000 ng/ml
alpha-PVP	3.520	7885865	1035.68	46.9	1858.86	13437765	10.0000 ng/ml
Alprazolam	4.606	2693123	203.62	96.5	119.57	26113477	10.0000 ng/ml
Amitriptyline	4.379	4104598	516.02	62.2	274.27	10930636	10.0000 ng/ml
Amphetamine	2.909	4781542	711.09	222.3	3959.51	13437765	10.0000 ng/ml
Benzoyllecgonine	3.406	338158	230220.51	30.5	188.15	517547	10.0000 ng/ml
Brompheniramine	4.004	193149	139155.70	951.1	1082813.74	49657901	10.0000 ng/ml
Buprenorphine	4.014	901446	189002.01	11.5	50837.70	3042853	10.0000 ng/ml
Bupropion	3.703	6454629	762.25	61.8	674.10	25369785	10.0000 ng/ml
Carbamazepine	4.228	15682788	∞	90.6	2648.40	491344	10.0000 ng/ml
Carisoprodol	4.211	2337002	10195.86	65.6	131.18	11240111	10.0000 ng/ml
Chlordiazepoxide	4.562	819081	479.62	165.6	897.17	26113477	10.0000 ng/ml
Chlorpheniramine	3.916	13432734	687.51	0.2	6.55	16888966	10.0000 ng/ml
Chlorpromazine	4.543	5087676	1062349.14	94.1	1167724.11	21822743	10.0000 ng/ml
Citalopram	4.034	4546474	671.84	33.5	283.67	49657901	10.0000 ng/ml
Clomipramine	4.559	7400888	22099.97	76.2	17045.56	49657901	10.0000 ng/ml
Clonazepam	4.436	3083036	580.52	31.4	279228.04	491344	10.0000 ng/ml
Clonazolam	4.356	1452423	929.96	39.0	266189.58	26113477	10.0000 ng/ml
Clozapine	4.111	6790232	2245.29	82.6	1672.76	24718857	10.0000 ng/ml
Cocaethylene	3.773	6153223	24724.02	50.6	1981.04	29759644	10.0000 ng/ml
Cocaine	3.559	7233115	19895.40	19.2	470.59	29759644	10.0000 ng/ml

AM #25 Multi-Drug Screen. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Codeine	2.764	537907	779.89	105.3	7779.69	11145785	10.0000 ng/ml
Cyclobenzaprine	4.302	5759791	898.96	8.0	60.90	10930636	10.0000 ng/ml
Desipramine	4.334	10664335	3165.74	39.9	523.23	10930636	10.0000 ng/ml
Dextromethorphan	4.039	3624230	578.27	78.4	516.41	16888966	10.0000 ng/ml
Dextroprphan	3.378	4732226	848.88	48.2	1244.08	16888966	10.0000 ng/ml
Diazepam	4.839	2353499	714.40	89.8	2775.53	26113477	10.0000 ng/ml
Dihydrocodeine	2.732	1438404	1411.76	63.5	935.85	11145785	10.0000 ng/ml
Diphenhydramine	4.010	15435568	1688.21	29.4	1999.14	49657901	10.0000 ng/ml
DMT	2.983	510862	2683.67	87.8	305.50	16888966	10.0000 ng/ml
Doxepin	4.101	3659904	345.94	46.5	104.82	26091836	10.0000 ng/ml
Doxylamine	3.592	13487043	315.75	94.3	656.91	16888966	10.0000 ng/ml
Duloxetine	4.284	204185	84527.50	793.3	13819.56	2347772	10.0000 ng/ml
EDDP	4.070	98464	30.45	47.8	11216.10	214460	10.0000 ng/ml
Estazolam	4.531	8881192	1721.81	51.3	794.34	26113477	10.0000 ng/ml
Etizolam	4.632	464327	229220.26	347.6	1915.55	26113477	10.0000 ng/ml
Fentanyl	3.972	475722	388.03	68.0	4715.01	27943863	10.0000 ng/ml
Flualprazolam	4.480	1135047	549695.45	109.7	14432.01	26113477	10.0000 ng/ml
Flunitrazepam	4.544	3069079	894.50	39.8	641.87	26113477	10.0000 ng/ml
Fluorofentanyl	3.986	796452	164.21	77.7	937.54	27943863	10.0000 ng/ml
Fluoxetine	4.298	7034169	3626.06	7.3	621.86	12575304	10.0000 ng/ml
Flurazepam	4.077	4428512	815.17	22.5	167224.50	26113477	10.0000 ng/ml
Hydrocodone	2.947	2035642	6872.01	40.2	1085.19	11145785	10.0000 ng/ml
Hydromorphone	2.415	1900740	2625.74	78.9	1445.53	323437	10.0000 ng/ml
Hydroxyzine	4.385	5393060	1821.21	71.7	1013.44	24718857	10.0000 ng/ml
Imipramine	4.348	12166853	1463.90	64.3	2863.28	10930636	10.0000 ng/ml
Ketamine	3.334	5013877	1586.99	35.2	125.12	15458996	10.0000 ng/ml
Lamotrigine	3.486	562746	7147.41	78.4	31586.50	49657901	10.0000 ng/ml
Levamisole	2.921	5043811	28320.99	88.8	703.35	29759644	10.0000 ng/ml
Levetiracetam	2.679	2287602	1413.32	178.8	902.59	49657901	10.0000 ng/ml
Lorazepam	4.420	735538	217.91	285.6	78.58	26113477	10.0000 ng/ml
Maprotiline	4.379	2913858	419.74	85.4	191.79	10930636	10.0000 ng/ml
MDA	3.014	5021216	868.24	39.5	374.13	37246974	10.0000 ng/ml
MDEA	3.243	7543446	484.97	52.3	372.83	37246974	10.0000 ng/ml
MDMA	3.090	8548929	10743289.14	48.1	767.31	37246974	10.0000 ng/ml
Meperidine	3.579	3360428	409.68	59.2	914.33	16888966	10.0000 ng/ml
Meprobamate	3.674	1353949	297.90	23.6	131.97	11240111	10.0000 ng/ml
Methadone	4.360	11473071	1359.42	51.2	2030.08	214460	10.0000 ng/ml
Methamphetamine	3.001	10437063	1640.99	37.0	510.06	37246974	10.0000 ng/ml
Methocarbamol	3.595	432368	621.91	84.8	196240.85	214460	10.0000 ng/ml
Methylphenidate	3.504	16325116	1110.91	25.3	231.82	24908813	10.0000 ng/ml
Metoprolol	3.439	1281657	880.93	100.1	1351.15	16888966	10.0000 ng/ml
Midazolam	4.357	872356	297.44	89.8	151.49	26113477	10.0000 ng/ml
Mirtazapine	3.654	5218339	2012.95	199.9	1244.72	16888966	10.0000 ng/ml
Mitragynine	4.092	726247	569267.01	239.2	959.21	16888966	10.0000 ng/ml
Morphine	2.248	472836	12.25	88.7	1890.79	323437	10.0000 ng/ml
Norbuprenorphine	3.799	117466	796.52	112.0	872.18	3042853	10.0000 ng/ml
Nordiazepam	4.688	2749108	2959.55	56.9	137.92	26113477	10.0000 ng/ml
Norfentanyl	3.334	11447879	96195.14	37.2	231.41	36316543	10.0000 ng/ml
Norhydrocodone	2.933	121584	77.72	52.1	73.68	323437	10.0000 ng/ml
Norketamine	3.304	1300400	216.48	411.6	2484.02	15458996	10.0000 ng/ml
Normeperidine	3.596	6297870	2939.96	78.9	475.81	49657901	10.0000 ng/ml
Noroxycodone	2.900	1551205	78.72	37.2	763.56	15458996	10.0000 ng/ml
Nortriptyline	4.381	3282650	531.26	71.7	570.26	10930636	10.0000 ng/ml
O-desmethyl-tramadol	2.919	12520662	843.89	5.7	170.42	49657901	10.0000 ng/ml
O-desmethylvenlafaxine	3.254	2754915	500.45	675.1	13856.38	12694607	10.0000 ng/ml
Olanzapine	3.220	1341057	1624699.05	46.2	299.52	491344	10.0000 ng/ml
Oxazepam	4.500	2941892	530.90	73.5	406.14	17059310	10.0000 ng/ml
Oxycodone	2.898	3787343	637.97	31.1	425.66	15458996	10.0000 ng/ml
Oxymorphone	2.336	2034428	361.30	47.8	964.78	323437	10.0000 ng/ml



AM #25 Multi-Drug Screen. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Paroxetine	4.295	945689	2350.67	52.2	323211.74	12575304	10.0000 ng/ml
Phenazepam	4.632	3341432	666556.22	66.9	1050.57	26113477	10.0000 ng/ml
Phencyclidine	3.903	9517754	210.85	68.6	460.90	16888966	10.0000 ng/ml
Phentermine	3.154	2575955	193.55	5.1	42.25	24908813	10.0000 ng/ml
Phenytoin	4.135	1033808	10058.38	75.9	296.32	491344	10.0000 ng/ml
Primidone	3.489	3295180	153571.09	101.0	630.15	491344	10.0000 ng/ml
Promethazine	4.254	15177091	462736.05	28.1	827.43	49657901	10.0000 ng/ml
Pseudoephedrine	2.725	58724980	10335.65	41.0	5043.32	37246974	10.0000 ng/ml
Quetiapine	4.201	6817806	7759.65	53.7	669658.81	35426526	10.0000 ng/ml
Risperidone	3.969	11163968	887347.51	10.9	615.96	37206075	10.0000 ng/ml
Sertraline	4.514	2714460	692742.20	110.4	1975.64	12575304	10.0000 ng/ml
Sufentanil	4.200	440951	177030.51	87.0	343.46	36316543	10.0000 ng/ml
Tapentadol	3.443	8117535	918.31	34.0	719.31	15458996	10.0000 ng/ml
Temazepam	4.654	6568505	644.00	26.8	269.53	26113477	10.0000 ng/ml
Topiramate	3.848	104813	92748.32	41.0	30418.50	461691	10.0000 ng/ml
Tramadol	3.424	29378504	98.57	1.8	174.42	49657901	10.0000 ng/ml
Trazodone	4.031	7260409	1918.28	77.7	1885.71	26091836	10.0000 ng/ml
Venlafaxine	3.792	13251060	1692.86	29.0	1324.34	12694607	10.0000 ng/ml
Zaleplon	4.346	3546406	2222.02	66.4	574.13	35426526	10.0000 ng/ml
Zolpidem	3.759	10215014	7541.06	27.9	2519.52	35426526	10.0000 ng/ml
Zopiclone	3.708	465873	325.73	61.0	66495.68	1958778	10.0000 ng/ml

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

Extraction Date: 06/28/2023

Plate lot#: 220802

Mobile phase A: 10mM Amm Form

Blank Blood Lot: Lampire 23A52594

LCMS-QQQ ID: 069901

Analyst: Celena Shrum

Plate Retest Date: 07/23/2023

Mobile phase B: 0.1% Formic Acid in MeOH

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 (if applicable): add 1.5mL urine to blank plate, add 250µl 1N KOH. Shake and incubate at 40 degrees for 15 minutes.
- 3. Using a calibrated pipette, add **1000µl blood or 1000µl hydrolyzed urine** into the appropriate wells of analytical (standards) plate. **Pipette ID: #42**
- 4. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- 5. Pipette **500µL 0.1% formic acid in water to blood samples and 500µl of saturated phosphate buffer to urine samples** to the appropriate wells of the analytical plate.
- 6. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- 7. Transfer **800µL of blood+acid mixture or urine+acid** to corresponding wells of SLE+ plate.
- 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)** Manifold ID: 067104
- 9. Wait 5 minutes.
- 10. Add **2.25mL MTBE. (Add in 3 increments of 750uL)**
- 11. Wait 5 minutes.
- 12. Apply positive pressure for approx. 15 seconds. **(10-15 PSI- Selector to the left).**
- 13. Add **2.25mL Hexane. (Add in 3 increments of 750uL)**
- 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. **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:

	1	2	3	4	5	6
a	cal 1ng	QC 2	P2023-1602-1	P2023-1655-1	P2023-1751-1	
b	cal 3 ng	Blood NC	P2023-1603-1	P2023-1669-1	P2023-1752-1	
c	cal 5 ng	M2023-1992-1	P2023-1605-1	P2023-1676-1	P2023-1760-1	
d	cal 10ng	M2023-2086-1	P2023-1606-1	P2023-1712-1	P2023-1762-1	
e	cal 25 ng	M2023-2090-1	P2023-1616-1	P2023-1713-1	P2023-1764-1	
f	cal 50 ng	M2023-2124-1	P2023-1628-1	P2023-1718-1	P2023-1765-1	
g	cal 100 ng	M2023-2125-1	P2023-1635-1	P2023-1748-1	P2023-1779-1	
h	QC 1	P2023-1280-1	P2023-1652-1	P2023-1749-1		

Due to blood clots, P2023-1280-1 was moved to H5 and P2023-1712-1 was moved to A6 during the SLE portion of the extraction.

AM #26 Cannabinoids Screen Results



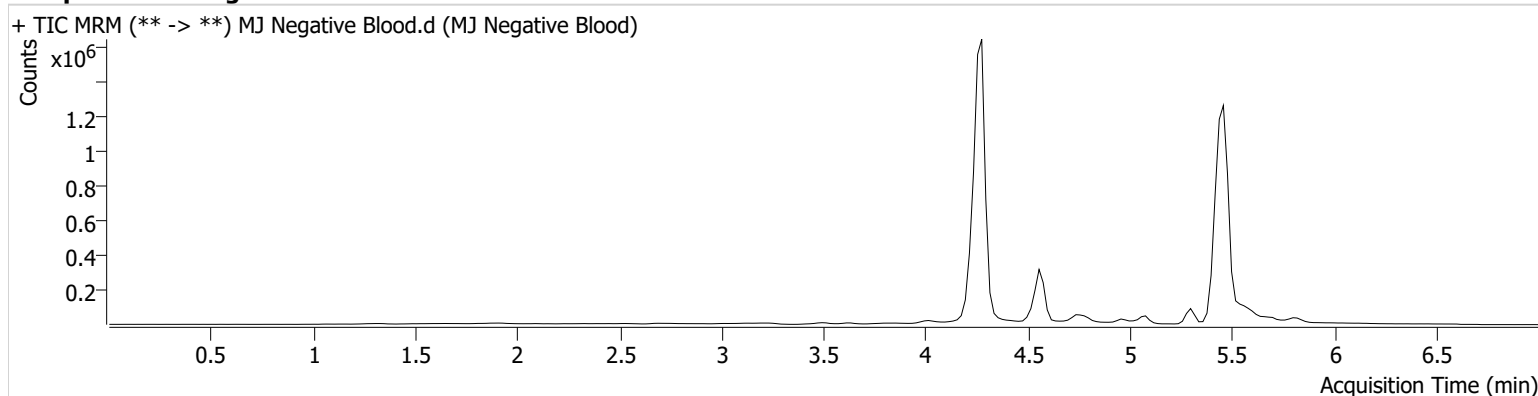
Batch results D:\MassHunter\Data\2023\AM 25 26\062823 AM 25 26 CS\QuantResults\AM 26.batch.bin
Calibration Last Update 7/3/2023 8:34:55 AM

Instrument Falco (069901)
Type Sample
Acq. Method AM 26 THC.m
Sample Position P1-B2
Injection Volume 10
Acq. Date-Time 6/28/2023 2:19:38 PM
Sample Info.

Data File MJ Negative Blood.d
Sample MJ Negative Blood
Operator Celena Shrum
Comment

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Sample Chromatogram





AM #26 Cannabinoids Screen Results

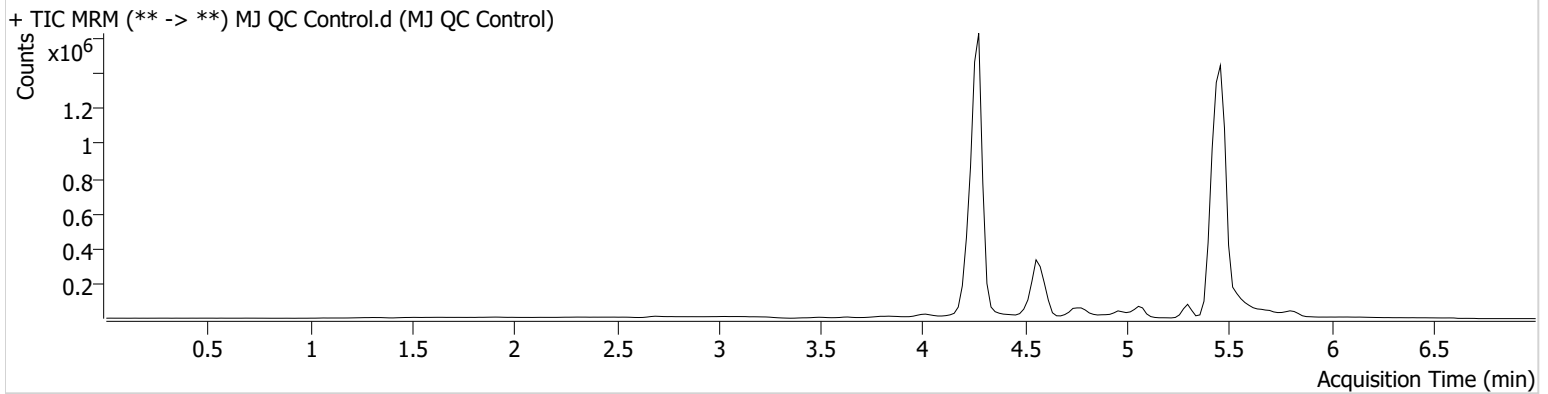
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Calibration Last Update 7/3/2023 8:34:55 AM

Instrument Falco (069901)
Type QC
Acq. Method AM 26 THC.m
Sample Position P1-H1
Injection Volume 10
Acq. Date-Time 6/28/2023 2:04:28 PM
Sample Info.

Data File MJ QC Control.d
Sample MJ QC Control
Operator Celena Shrum
Comment

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Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
THC	5.409	9002	41.93	229.0 Low	∞	243498	5.9385 ng/ml
THC-COOH	4.596	207642	∞	168.9	∞	1005119	14.8786 ng/ml
THC-OH	4.282	70322	∞	850.6	∞	5863060	4.7041 ng/ml



AM #26 Cannabinoids Screen Results

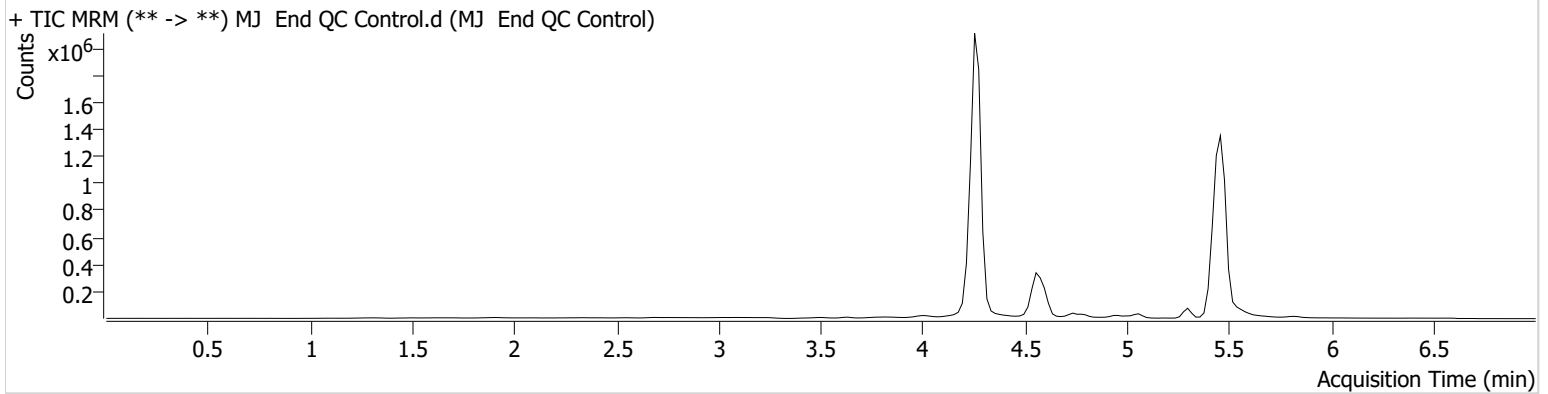
Batch results D:\MassHunter\Data\2023\AM 25 26\062823 AM 25 26 CS\QuantResults\AM 26.batch.bin
Calibration Last Update 7/3/2023 8:34:55 AM

Instrument Falco (069901)
Type QC
Acq. Method AM 26 THC.m
Sample Position P1-A2
Injection Volume 10
Acq. Date-Time 6/28/2023 6:06:47 PM
Sample Info.

Data File MJ End QC Control.d
Sample MJ End QC Control
Operator Celena Shrum

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Sample Chromatogram



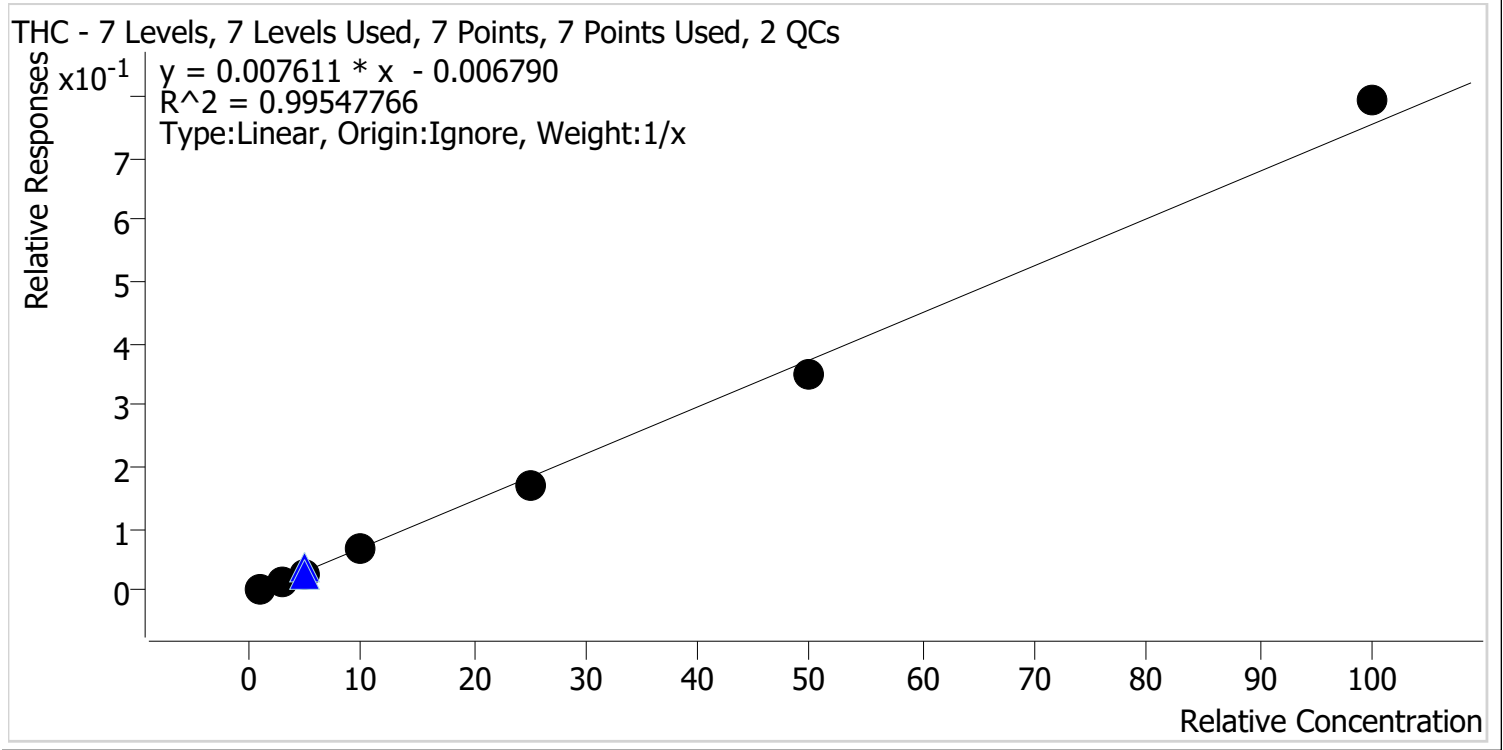
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
THC	5.429	7606	∞	240.2 Low	∞	324686	4.0323 ng/ml
THC-COOH	4.596	223416	∞	167.7	∞	944591	16.9235 ng/ml
THC-OH	4.282	78112	∞	827.0	∞	6817715	4.5038 ng/ml

CS



AM #26 Cannabinoids Screen Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 25 26\062823 AM 25 26 CS\QuantResults\AM 26.batch.bin
Last Cal. Update 7/11/2023 8:54 AM
Analyst Name ISP\Datastor
Analyte THC **Internal Standard** THC-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
MJ Cal 1	1	✓	1.0	1.3	133.4
MJ Cal 2	2	✓	3.0	2.6	87.5
MJ Cal 3	3	✓	5.0	4.3	85.8
MJ Cal 4	4	✓	10.0	10.0	99.6
MJ Cal 5	5	✓	25.0	23.6	94.4
MJ Cal 6	6	✓	50.0	47.2	94.4
MJ Cal 7	7	✓	100.0	105.0	105.0

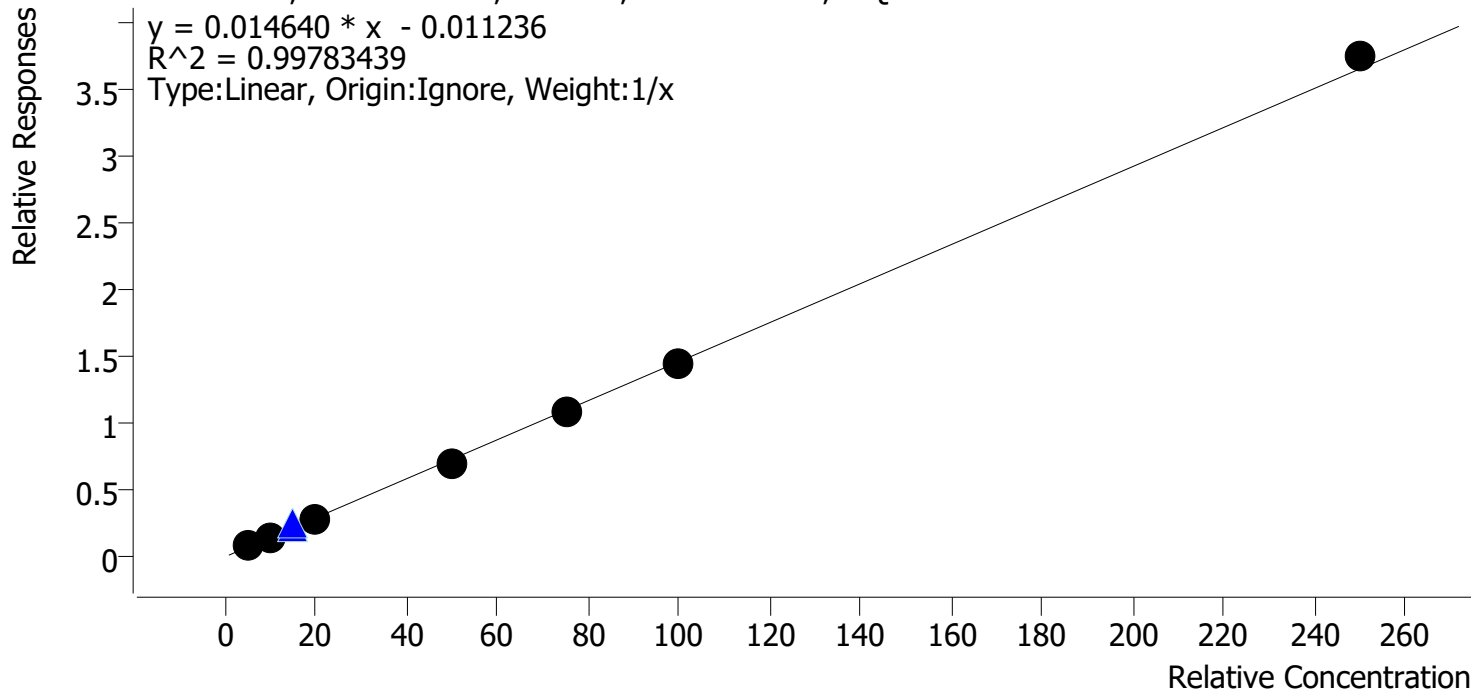
CS



AM #26 Cannabinoids Screen Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 25 26\062823 AM 25 26 CS\QuantResults\AM 26.batch.bin
Last Cal. Update 7/11/2023 8:54 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, 2 QCs



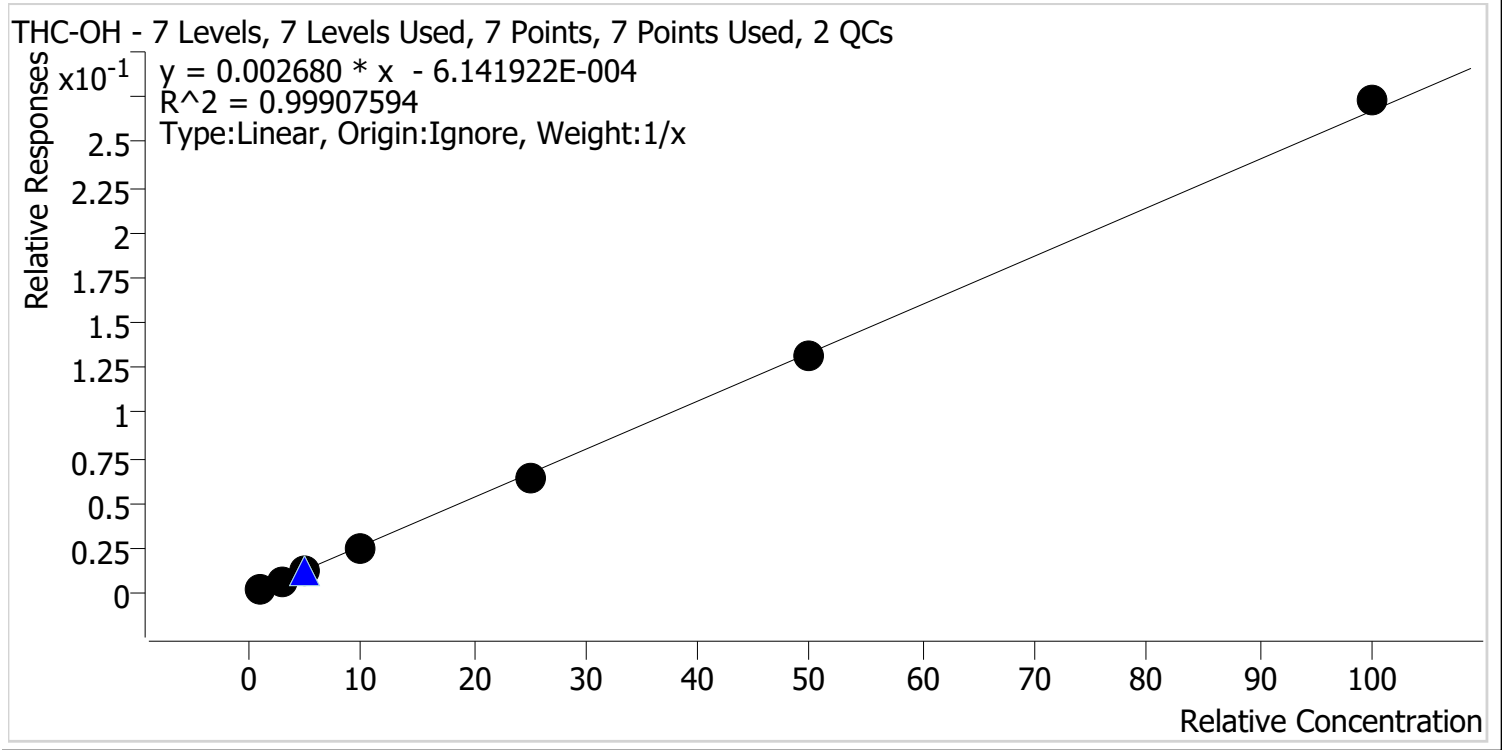
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
MJ Cal 1	1	✓	5.0	6.1	122.6
MJ Cal 2	2	✓	10.0	9.0	90.3
MJ Cal 3	3	✓	20.0	18.7	93.6
MJ Cal 4	4	✓	50.0	46.7	93.4
MJ Cal 5	5	✓	75.0	73.4	97.9
MJ Cal 6	6	✓	100.0	99.8	99.8
MJ Cal 7	7	✓	250.0	256.3	102.5

CS



AM #26 Cannabinoids Screen Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 25 26\062823 AM 25 26 CS\QuantResults\AM 26.batch.bin
Last Cal. Update 7/11/2023 8:54 AM
Analyst Name ISP\Datastor
Analyte THC-OH **Internal Standard** THC-OH-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
MJ Cal 1	1	✓	1.0	1.1	114.3
MJ Cal 2	2	✓	3.0	2.9	96.8
MJ Cal 3	3	✓	5.0	4.9	97.8
MJ Cal 4	4	✓	10.0	9.4	93.8
MJ Cal 5	5	✓	25.0	24.0	96.0
MJ Cal 6	6	✓	50.0	49.5	99.1
MJ Cal 7	7	✓	100.0	102.1	102.1



AM #26 Cannabinoids Screen Results

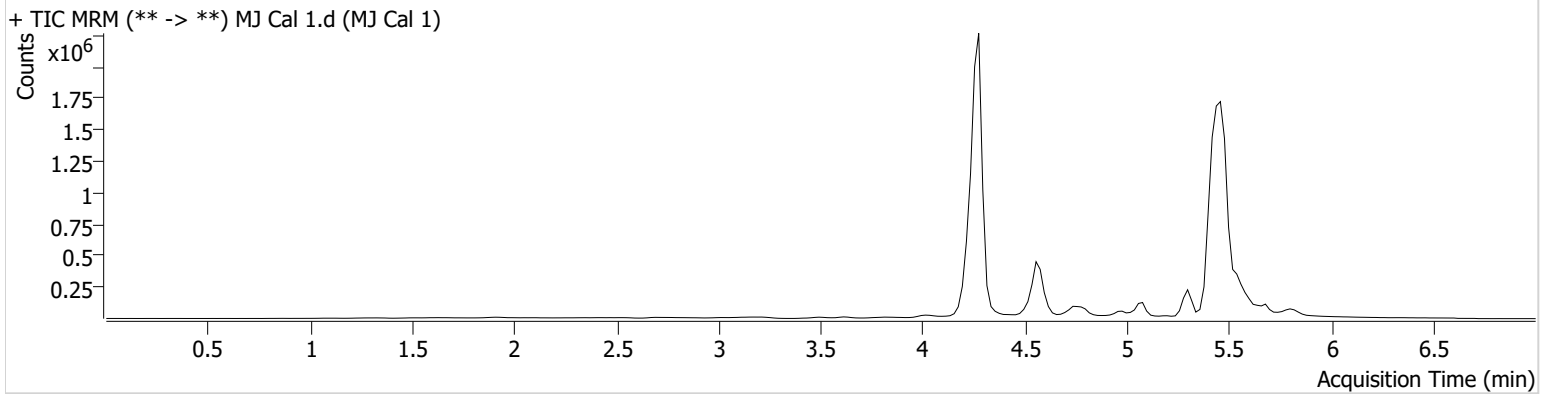
Batch results D:\MassHunter\Data\2023\AM 25 26\062823 AM 25 26 CS\QuantResults\AM 26.batch.bin
Calibration Last Update 7/11/2023 8:54:05 AM

Instrument Falco (069901)
Type Cal
Acq. Method AM 26 THC.m
Sample Position P1-A1
Injection Volume 10
Acq. Date-Time 6/28/2023 1:11:17 PM
Sample Info.

Data File MJ Cal 1.d
Sample MJ Cal 1
Operator Celena Shrum
Comment

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Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
THC	5.409	1473	2.98 Low	1848.3 High	∞	437656	1.3342 ng/ml
THC-COOH	4.596	116869	∞	220.0 High	∞	1489163	6.1282 ng/ml
THC-OH	4.282	20853	∞	1370.9 High	∞	8509502	1.1435 ng/ml



AM #26 Cannabinoids Screen Results

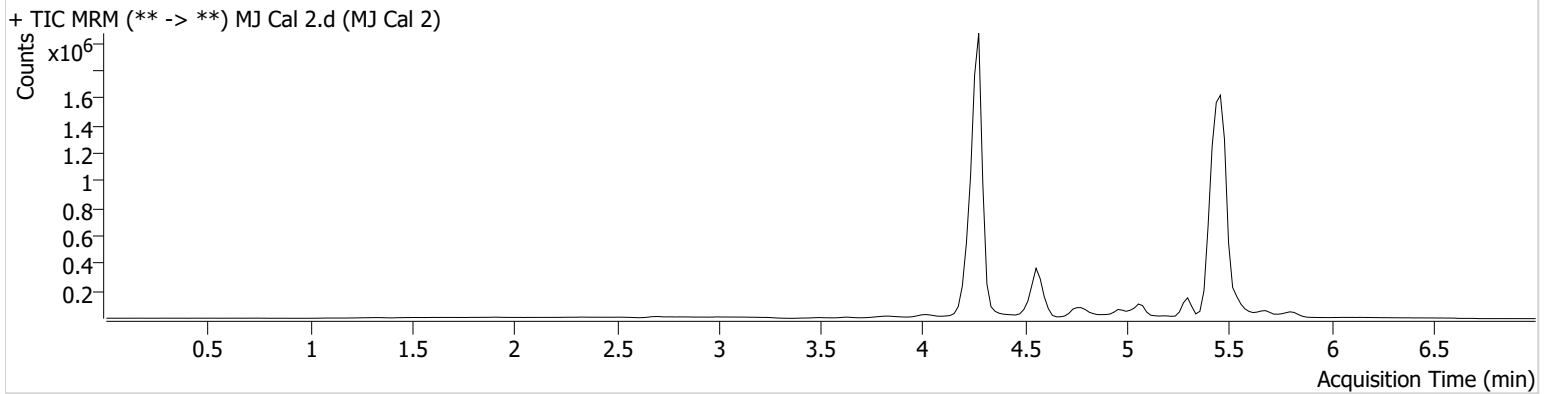
Batch results D:\MassHunter\Data\2023\AM 25 26\062823 AM 25 26 CS\QuantResults\AM 26.batch.bin
Calibration Last Update 7/11/2023 8:54:05 AM

Instrument Falco (069901)
Type Cal
Acq. Method AM 26 THC.m
Sample Position P1-B1
Injection Volume 10
Acq. Date-Time 6/28/2023 1:19:02 PM
Sample Info.

Data File MJ Cal 2.d
Sample MJ Cal 2
Operator Celena Shrum
Comment

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Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
THC	5.429	6733	∞	351.0	∞	510575	2.6247 ng/ml
THC-COOH	4.596	142088	1209.90	168.1	∞	1174992	9.0276 ng/ml
THC-OH	4.282	55295	∞	940.8	∞	7714993	2.9032 ng/ml



AM #26 Cannabinoids Screen Results

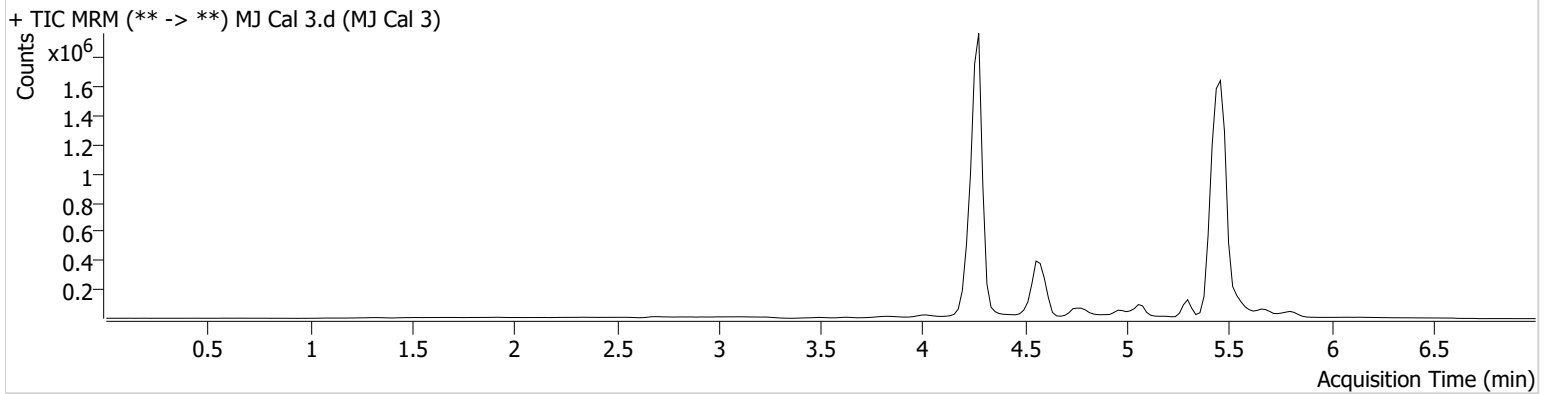
Batch results D:\MassHunter\Data\2023\AM 25 26\062823 AM 25 26 CS\QuantResults\AM 26.batch.bin
Calibration Last Update 7/11/2023 8:54:05 AM

Instrument Falco (069901)
Type Cal
Acq. Method AM 26 THC.m
Sample Position P1-C1
Injection Volume 10
Acq. Date-Time 6/28/2023 1:26:38 PM
Sample Info.

Data File MJ Cal 3.d
Sample MJ Cal 3
Operator Celena Shrum
Comment

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Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
THC	5.409	10142	66.67	229.6 Low	∞	392376	4.2880 ng/ml
THC-COOH	4.596	299160	∞	165.8	∞	1137943	18.7250 ng/ml
THC-OH	4.282	86276	∞	820.4	∞	6906939	4.8896 ng/ml



AM #26 Cannabinoids Screen Results

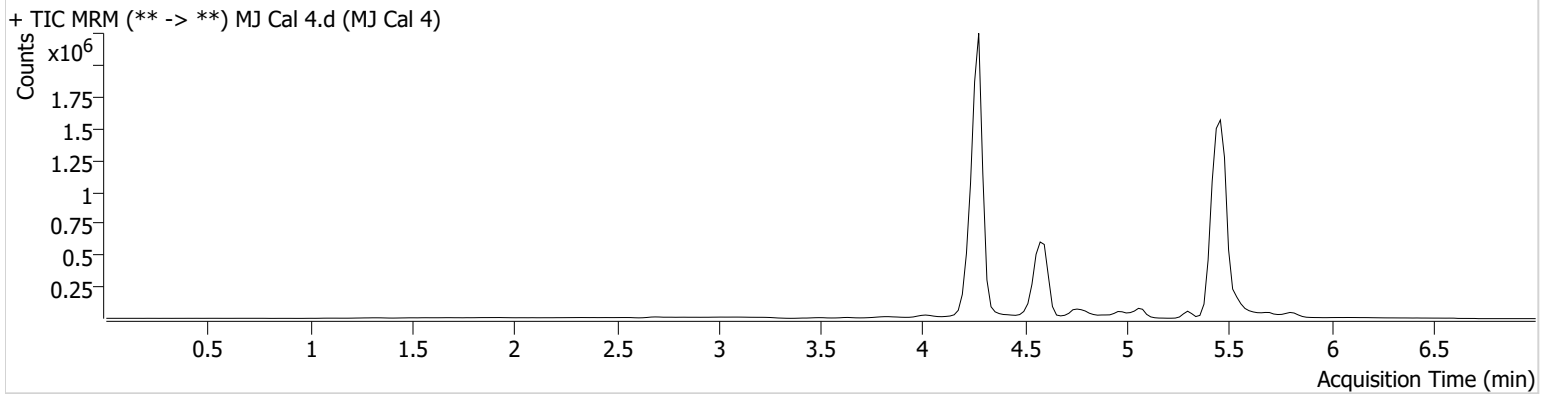
Batch results D:\MassHunter\Data\2023\AM 25 26\062823 AM 25 26 CS\QuantResults\AM 26.batch.bin
Calibration Last Update 7/11/2023 8:54:05 AM

Instrument Falco (069901)
Type Cal
Acq. Method AM 26 THC.m
Sample Position P1-D1
Injection Volume 10
Acq. Date-Time 6/28/2023 1:34:12 PM
Sample Info.

Data File MJ Cal 4.d
Sample MJ Cal 4
Operator Celena Shrum
Comment

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Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
THC	5.429	29124	∞	96.9 Low	405.79	422117	9.9572 ng/ml
THC-COOH	4.596	722903	∞	166.3	∞	1075062	46.6989 ng/ml
THC-OH	4.282	177877	288.44	789.3	∞	7249120	9.3841 ng/ml

AM #26 Cannabinoids Screen Results



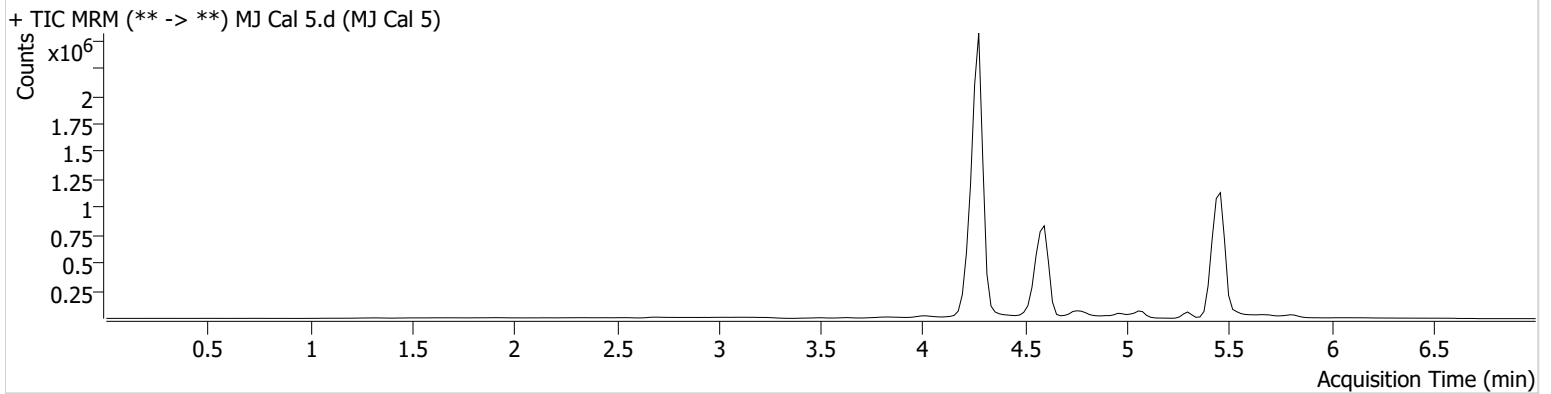
Batch results D:\MassHunter\Data\2023\AM 25 26\062823 AM 25 26 CS\QuantResults\AM 26.batch.bin
Calibration Last Update 7/11/2023 8:54:05 AM

Instrument Falco (069901)
Type Cal
Acq. Method AM 26 THC.m
Sample Position P1-E1
Injection Volume 10
Acq. Date-Time 6/28/2023 1:41:46 PM
Sample Info.

Data File MJ Cal 5.d
Sample MJ Cal 5
Operator Celena Shrum
Comment

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Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
THC	5.429	46987	∞	49.8 Low	∞	271927	23.5947 ng/ml
THC-COOH	4.596	1079550	∞	166.5	∞	1015161	73.4067 ng/ml
THC-OH	4.282	423430	∞	772.8	∞	6643517	24.0087 ng/ml



AM #26 Cannabinoids Screen Results

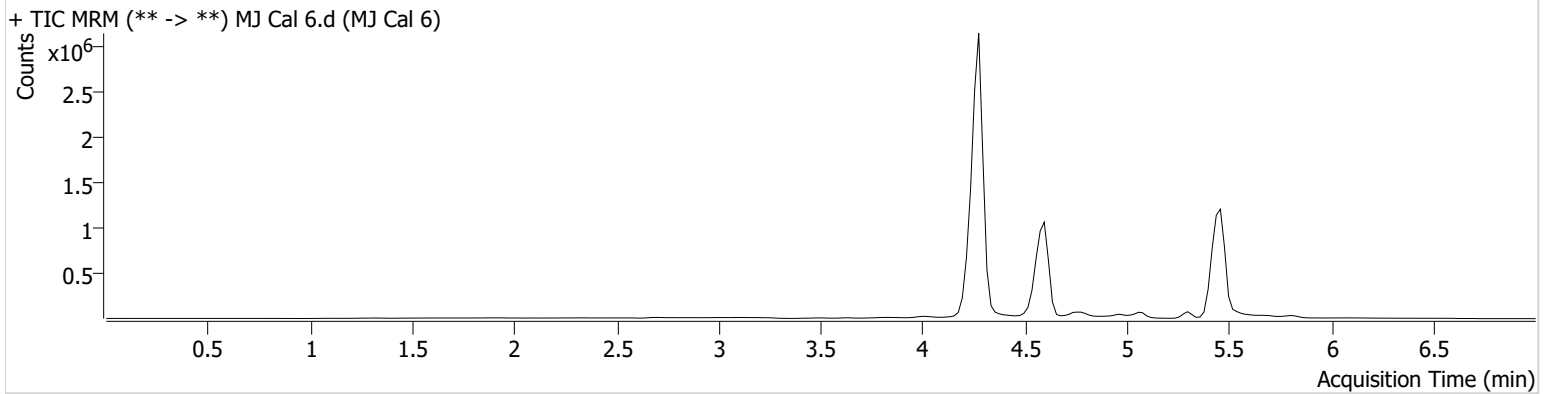
Batch results D:\MassHunter\Data\2023\AM 25 26\062823 AM 25 26 CS\QuantResults\AM 26.batch.bin
Calibration Last Update 7/11/2023 8:54:05 AM

Instrument Falco (069901)
Type Cal
Acq. Method AM 26 THC.m
Sample Position P1-F1
Injection Volume 10
Acq. Date-Time 6/28/2023 1:49:20 PM
Sample Info.

Data File MJ Cal 6.d
Sample MJ Cal 6
Operator Celena Shrum
Comment

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Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
THC	5.429	115935	∞	35.4 Low	∞	329089	47.1786 ng/ml
THC-COOH	4.596	1416016	∞	165.1	∞	977079	99.7598 ng/ml
THC-OH	4.282	764487	∞	769.8	∞	5783865	49.5433 ng/ml



AM #26 Cannabinoids Screen Results

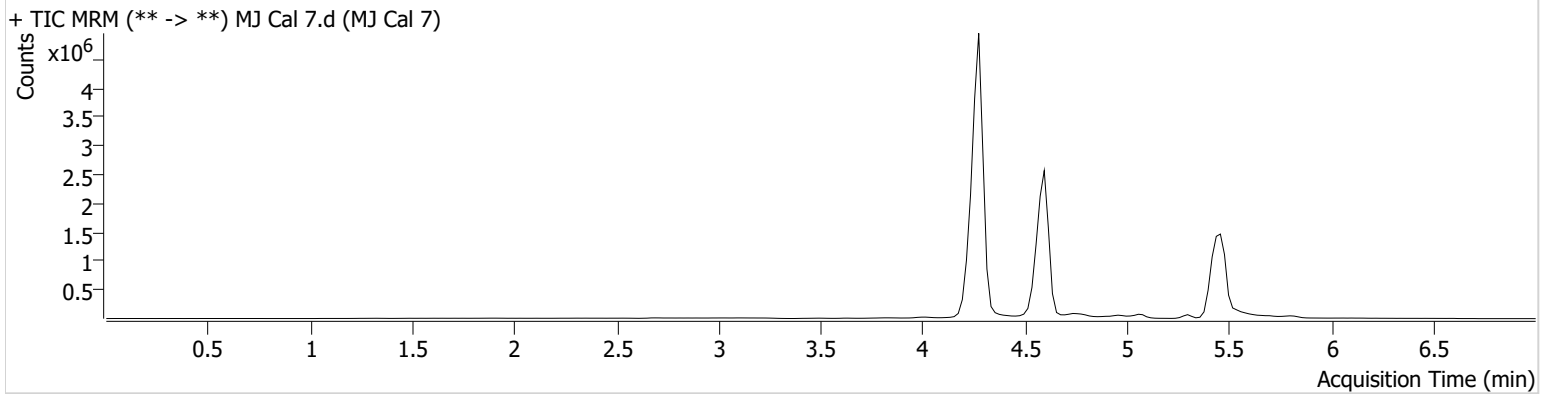
Batch results D:\MassHunter\Data\2023\AM 25 26\062823 AM 25 26 CS\QuantResults\AM 26.batch.bin
Calibration Last Update 7/11/2023 8:54:05 AM

Instrument Falco (069901)
Type Cal
Acq. Method AM 26 THC.m
Sample Position P1-G1
Injection Volume 10
Acq. Date-Time 6/28/2023 1:56:54 PM
Sample Info.

Data File MJ Cal 7.d
Sample MJ Cal 7
Operator Celena Shrum
Comment

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Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
THC	5.409	175902	∞	34.3 Low	∞	221946	105.0225 ng/ml
THC-COOH	4.596	3586253	∞	162.2	∞	958818	256.2538 ng/ml
THC-OH	4.282	1598349	∞	733.4	∞	5852261	102.1277 ng/ml