

REVIEWED
By Tamara Salazar at 1:58 pm, Mar 10, 2023









Worklist: 6242

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
M2022-4969	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2023-0053	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2023-0097	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2023-0201	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2023-0378	3	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2023-0433	4	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2023-0462	3	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2023-0526	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2023-0555	4	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2023-0556	2	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2023-0557	4	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2023-0579	2	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2023-0244	1*	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2023-0250	2	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2023-0254	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2023-0259	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2023-0260	1	CBUK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2023-0301	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2023-0335	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2023-0368	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2023-0369	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	

*Due to limited sample volume, only AM 25 was done.

Worklist: 6242

cg

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
P2023-0377	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2023-0380	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2023-0381	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2023-0406	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2023-0407	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2023-0413	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2023-0425	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2023-0426	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	

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

Extraction Date: 02/14/2022

Plate lot#: 230119

Mobile phase A: 10mM Amm Form

Instant Buffer I

Blank Blood Lot: Lampire 23A52593

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. Urine Hydrolysis (if applicable): In blank well, add 250µL urine, 40µL BG Turbo, and 100µL Instant Buffer I. Place on plate shaker for 5 minutes. - N/A, blood only batch
- 3. Using a calibrated pipette, pipette **250µL blood or 250µL hydrolyzed urine** into the appropriate wells of the analytical (standards) plate. **Pipette ID: 42**
- 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 urine+base (if applicable)** 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.
- 16. Add 50µl of 1% HCl in MeOH to all wells in the run and place ACT cover on top of plate prior to drying.
- 17. Place on SPE Dry and evaporate to dryness at approx. 35°C.
- 18. 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: The incorrect well positions were specified for the run, so the entire run was reinjected on 2/15/23.

	1	2	3	4	5	6	7	8	9	10	11	12
A	CAL	M2023-0433-4	P2023-0250-2	P2023-0377-1								
B	CAL	M2023-0462-3	P2023-0254-1	P2023-0380-1								
C	Blood NC	M2023-0526-1	P2023-0259-1	P2023-0381-1								
D	M2022-4969-1	M2023-0555-4	P2023-0260-1	P2023-0406-1								
E	M2023-0053-1	M2023-0556-2	P2023-0301-1	P2023-0407-1								
F	M2023-0097-1	M2023-0557-4	P2023-0335-1	P2023-0413-1								
G	M2023-0201-1	M2023-0579-2	P2023-0368-1	P2023-0425-1								
H	M2023-0378-3	P2023-0244-1	P2023-0369-1	P2023-0426-1								

Samples moved from columns 1-4 to columns 5-8 during SLE portion of the extraction. For example, B1 was moved to B5, A3 moved to A7, etc.

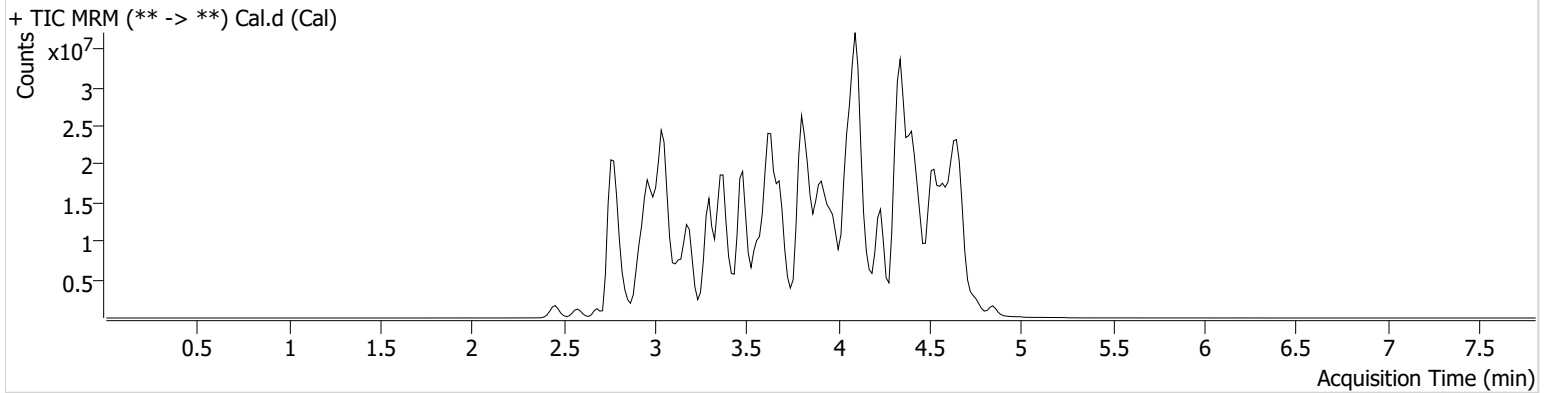
AM #25 Multi-Drug Screen Results



Batch results D:\MassHunter\Data\2023\AM 25 26\021423 AM 25 26 CS\AM 25 Reinjects\QuantResults\AM 25.batch.bin
Calibration Last Update 3/7/2023 10:58:41 AM

Instrument	Falco (069901)	Data File	Cal.d
Type	Cal	Sample	Cal
Acq. Method	AM 25 MDS.m	Operator	Celena Shrum
Sample Position	P2-B5	Comment	
Injection Volume	5		
Acq. Date-Time	2/15/2023 11:31:17 AM		

Sample Chromatogram



Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
10-OH-Carbamazepine	3.793	4866251	157.85	632.46	28082051	10.0000
6-MAM	2.987	82716	57256.55	32292.29	2095206	10.0000
7-aminoclonazepam	3.605	1192358	140.18	779.11	4716918	10.0000
7-aminoflunitrazepam	3.805	1476321	494.36	144228.21	4716918	10.0000
9-Hydroxyrisperidone	3.905	13830130	3003.58	244582.43	43951777	10.0000
Acetyl Fentanyl	3.909	992165	1561.44	528.92	45162287	10.0000
Acetyl Norfentanyl	2.950	843238	6131.92	444.22	45162287	10.0000
a-hydroxyalprazolam	4.525	530590	514.36	129.36	4716918	10.0000
alpha-hydroxymidazolam	4.600	2845496	666.07	392.69	4716918	10.0000
Alpha-PHP	3.871	5918914	8329.32	7699.10	45162287	10.0000
alpha-PVP	3.595	9039105	1193.79	3207.27	20884710	10.0000
Alprazolam	4.620	3292548	768.12	859.13	27497841	10.0000
Amitriptyline	4.455	4422914	759.19	263.32	13034123	10.0000
Amphetamine	2.954	4377980	1744.12	4443.93	20884710	10.0000
Benzoyllecgonine	3.421	475358	236.29	286.59	514022	10.0000
Brompheniramine	4.064	300815	268.36	14027.87	54882163	10.0000
Buprenorphine	4.612	1491934	467765.68	99888.13	5777084	10.0000
Bupropion	3.825	6069245	1082.55	1741.00	26590178	10.0000
Carbamazepine	4.242	15590068	2586.83	∞	609008	10.0000
Carisoprodol	4.240	2814909	203525.56	257.62	13911175	10.0000
Chlordiazepoxide	4.745	405021	31.83	934.92	27497841	10.0000
Chlorpheniramine	3.976	15931116	539.00	109.65	54882163	10.0000
Chlorpromazine	4.634	3641089	16995.96	544.76	16680116	10.0000
Citalopram	4.094	5542250	697.29	744823.18	54882163	10.0000
Clomipramine	4.634	6136221	14814.85	5009.99	54882163	10.0000
Clonazepam	4.450	2609715	561.01	297171.86	27497841	10.0000
Clonazolam	4.385	2370184	1229619.97	811640.51	27497841	10.0000
Clozapine	4.325	6588897	1151.38	1439.66	24099376	10.0000
Cocaehtylene	3.833	6391582	3075455.11	25106.76	33047772	10.0000
Cocaine	3.619	7626476	6318045.01	786.57	33047772	10.0000
Codeine	2.899	549575	383.66	363.82	13288258	10.0000
Cyclobenzaprine	4.363	4540768	947.48	278.82	13034123	10.0000
Desipramine	4.394	12928219	851.08	511.91	13034123	10.0000
Dextromethorphan	4.101	3450497	717.11	276.06	17424576	10.0000

Cal

AM #25 Multi-Drug Screen Results



Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
Dextrorphan	3.423	5654418	15900.73	258338.53	17424576	10.0000
Diazepam	4.853	2142832	1126.56	1297.87	27497841	10.0000
Dihydrocodeine	2.807	1475565	1834.11	778.00	13288258	10.0000
Diphenhydramine	4.054	18947595	685138.97	2264.65	54882163	10.0000
DMT	3.028	1257139	1802.18	4061.29	17424576	10.0000
Doxepin	4.176	4764606	947.58	251.73	34047526	10.0000
Doxylamine	3.683	20634803	27779.74	572.92	17424576	10.0000
Duloxetine	4.345	160656	138636.52	25064.48	2015804	10.0000
EDDP	4.099	1848617	347.21	1069134.02	3177311	10.0000
Estazolam	4.545	10816404	1908.56	1037.24	27497841	10.0000
Etizolam	4.631	463038	472971.50	382369.14	27497841	10.0000
Fentanyl	4.124	677334	220.01	1664.49	32783113	10.0000
Flualprazolam	4.494	1824677	631341.06	563710.83	27497841	10.0000
Flunitrazepam	4.573	3089811	548.02	967.81	27497841	10.0000
Fluorofentanyl	4.154	950061	83006.56	222.86	32783113	10.0000
Fluoxetine	4.343	6107297	704.29	132.87	7008887	10.0000
Flurazepam	4.214	5501252	1981.68	532.90	27497841	10.0000
Hydrocodone	3.083	2643934	1915.68	500.97	13288258	10.0000
Hydromorphone	2.581	2071966	697.56	966.60	122496	10.0000
Hydroxyzine	4.507	6528096	1162.85	776.28	54882163	10.0000
Imipramine	4.408	15605790	999.27	621.39	13034123	10.0000
Ketamine	3.594	5091569	5402370.05	83.53	16737251	10.0000
Lamotrigine	3.639	572788	1262.96	46292.73	54882163	10.0000
Levamisole	3.042	4976684	9636.94	939.92	33047772	10.0000
Levetiracetam	2.692	1304641	555.58	640.56	54882163	10.0000
Lorazepam	4.449	822823	1656.40	1010.46	27497841	10.0000
Maprotiline	4.439	3690924	122.82	244.39	13034123	10.0000
MDA	3.059	5853755	915.03	354.69	47202167	10.0000
MDEA	3.288	8552037	710.45	2178.77	47202167	10.0000
MDMA	3.135	10049335	807.42	343.39	47202167	10.0000
Meperidine	3.655	4027672	3091.93	8558.86	17424576	10.0000
Meprobamate	3.704	2567808	189917.92	170.09	13911175	10.0000
Methadone	4.404	9853318	826.41	3723.20	3177311	10.0000
Methamphetamine	3.060	16565581	111272.75	1502.88	47202167	10.0000
Methocarbamol	3.609	744498	1484.18	145.53	3177311	10.0000
Methylphenidate	3.564	20443344	32.81	2489.68	33943369	10.0000
Metoprolol	3.483	1800126	37580.14	950879.92	17424576	10.0000
Midazolam	4.755	1420195	377.78	24781.29	27497841	10.0000
Mirtazapine	3.992	7286343	2779.49	5981.77	17424576	10.0000
Mitragynine	4.214	847574	557496.61	177483.07	17424576	10.0000
Morphine	2.444	343349	1220.49	2707.17	122496	10.0000
Norbuprenorphine	3.859	252544	144672.15	151797.29	5777084	10.0000
Nordiazepam	4.701	2974837	777234.92	∞	27497841	10.0000
Norfentanyl	3.379	16190017	22402.60	4003.84	45162287	10.0000
Norhydrocodone	2.977	204059	164.56	287.87	122496	10.0000
Norketamine	3.703	1585116	412.84	8430.31	16737251	10.0000
Normeperidine	3.641	11694350	1173.01	604.46	54882163	10.0000
Noroxycodone	2.929	2317146	365.81	184.90	16737251	10.0000
Nortriptyline	4.425	2585855	650.49	1655.12	13034123	10.0000
O-desmethyl-tramadol	2.963	16616520	7603883.64	1159.13	54882163	10.0000
O-desmethylvenlafaxine	3.299	2755054	1632.45	11607.84	11547622	10.0000
Olanzapine	3.865	2293164	254.24	277.77	609008	10.0000
Oxazepam	4.530	3643284	781.04	269.96	20044706	10.0000
Oxycodone	2.989	3579483	866.40	2372.00	16737251	10.0000
Oxymorphone	2.457	3500322	∞	38851.38	122496	10.0000
Paroxetine	4.355	900636	212.63	200117.78	7008887	10.0000
Phenazepam	4.646	3381918	773.89	771.54	27497841	10.0000
Phencyclidine	3.948	13959399	18012.87	365.26	17424576	10.0000
Phentermine	3.199	3903265	1063.95	174.51	33943369	10.0000
Phenytoin	4.149	921851	705.44	462.62	609008	10.0000

Cal



AM #25 Multi-Drug Screen Results

Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
Primidone	3.519	3254541	2390960.47	540.19	609008	10.0000
Promethazine	4.361	13552807	13183.98	680.37	54882163	10.0000
Pseudoephedrine	2.784	65373981	678.99	2078.08	47202167	10.0000
Quetiapine	4.491	7072905	2607.75	1312293.89	46383127	10.0000
Risperidone	4.090	10304870	1263061.35	665.70	43951777	10.0000
Sertraline	4.575	1577370	755.24	1090.45	7008887	10.0000
Sufentanil	4.460	431349	82165.11	24887.32	45162287	10.0000
Tapentadol	3.488	11053949	8081.95	4731.30	16737251	10.0000
Temazepam	4.683	7835087	404.76	248.82	27497841	10.0000
Topiramate	3.877	157813	133525.63	61122.63	904627	10.0000
Tramadol	3.469	39234162	∞	229.02	54882163	10.0000
Trazodone	4.629	9412338	2776.52	7935585.72	34047526	10.0000
Venlafaxine	3.836	20026229	2087.87	489.15	7008887	10.0000
Zaleplon	4.360	3756384	2313.75	140.46	46383127	10.0000
Zolpidem	4.344	13352167	9099.65	2489.09	46383127	10.0000
Zopiclone	4.214	239296	241.12	52397.85	910054	10.0000

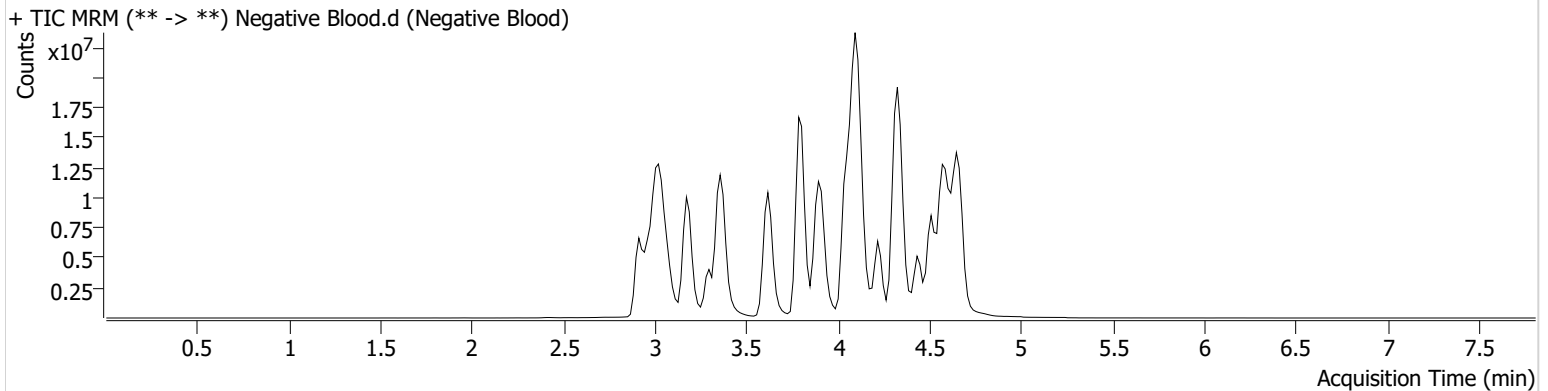
AM #25 Multi-Drug Screen Results



Batch results D:\MassHunter\Data\2023\AM 25 26\021423 AM 25 26 CS\AM 25 Reinjects\QuantResults\AM 25.batch.bin
Calibration Last Update 3/7/2023 10:58:41 AM

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-C5	Comment	
Injection Volume	5		
Acq. Date-Time	2/15/2023 11:39:53 AM		
Sample Info.			

Sample Chromatogram



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

Extraction Date: 02/14/2023

Plate lot#: 230113

Mobile phase A: 10mM Amm Form

Blank Blood Lot: Lampire 23A52593

LCMS-QQQ ID: 069901

Analyst: Celena Shrum

Plate Retest Date: 07/13/2023

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. - N/A, blood only batch
- 3. Using a calibrated pipette, add **1000µl blood or 1000µl hydrolyzed urine** into the appropriate wells of analytical (standards) plate. **Pipette ID: #27**
- 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: The run stopped due to high pressure. A clog was found and fixed and the run was restarted. M2022-4969-1 and M2023-0053-1 were injected after the clog was fixed and had retention time shifts. However, the injections were acceptable as both the sample and ISTD retention times shifted.

	1	2	3	4	5	6
a	cal 1ng	QC 2	M2023-0462-3*	P2023-0259-1	P2023-0381-1	
b	cal 3 ng	Blood NC	M2023-0526-1	P2023-0260-1	P2023-0406-1	
c	cal 5 ng	M2022-4969-1	M2023-0555-4	P2023-0301-1	P2023-0407-1	
d	cal 10ng	M2023-0053-1	M2023-0556-2	P2023-0335-1	P2023-0413-1	
e	cal 25 ng	M2023-0097-1	M2023-0557-4	P2023-0368-1	P2023-0425-1	
f	cal 50 ng	M2023-0201-1	M2023-0579-2	P2023-0369-1	P2023-0426-1	
g	cal 100 ng	M2023-0378-3	P2023-0250-2	P2023-0377-1	M2023-0462-3*	
h	QC 1	M2023-0433-4	P2023-0254-1	P2023-0380-1		

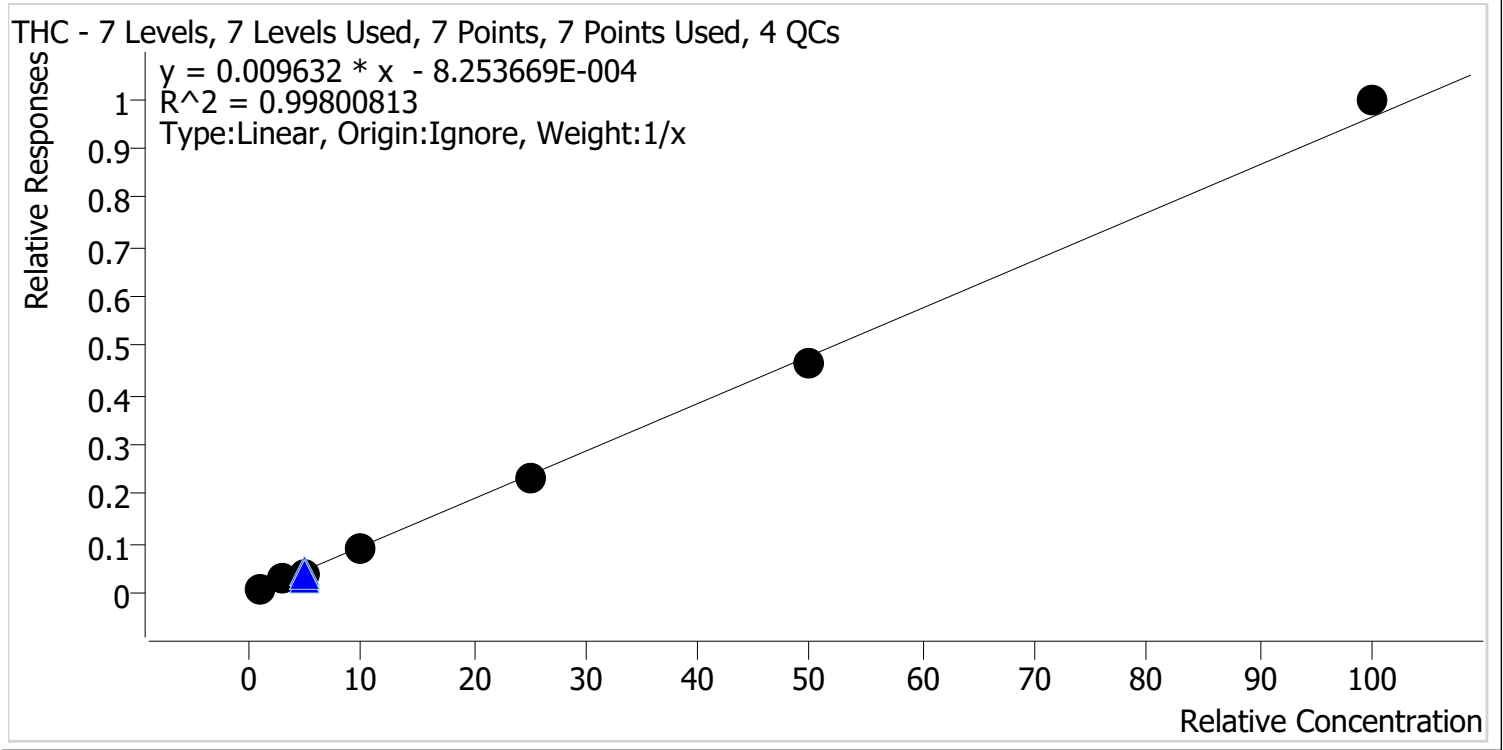
*Moved during SLE step due to blood clot

cg



AM #26 Cannabinoids Screen Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 25 26\021423 AM 25 26 CS\QuantResults\AM 26.batch.bin
Last Cal. Update 2/16/2023 9:54 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	1.2	117.3
MJ Cal 2	2	✓	3.0	3.1	102.5
MJ Cal 3	3	✓	5.0	4.5	89.8
MJ Cal 4	4	✓	10.0	9.3	93.5
MJ Cal 5	5	✓	25.0	24.3	97.2
MJ Cal 6	6	✓	50.0	48.2	96.4
MJ Cal 7	7	✓	100.0	103.4	103.4

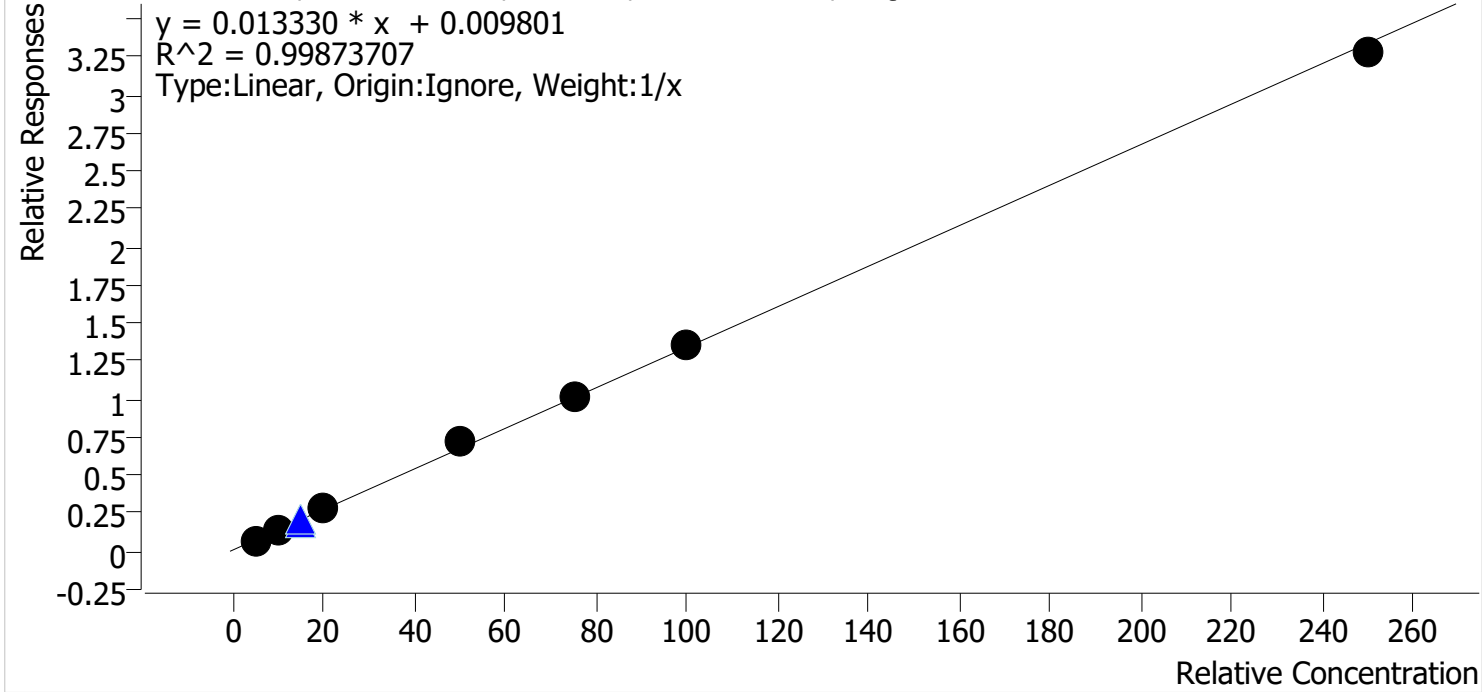
CS



AM #26 Cannabinoids Screen Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 25 26\021423 AM 25 26 CS\QuantResults\AM 26.batch.bin
Last Cal. Update 2/16/2023 9:54 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, 4 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
MJ Cal 1	1	✓	5.0	4.5	89.6
MJ Cal 2	2	✓	10.0	10.0	99.7
MJ Cal 3	3	✓	20.0	20.8	104.2
MJ Cal 4	4	✓	50.0	53.9	107.9
MJ Cal 5	5	✓	75.0	75.2	100.3
MJ Cal 6	6	✓	100.0	100.3	100.3
MJ Cal 7	7	✓	250.0	245.3	98.1

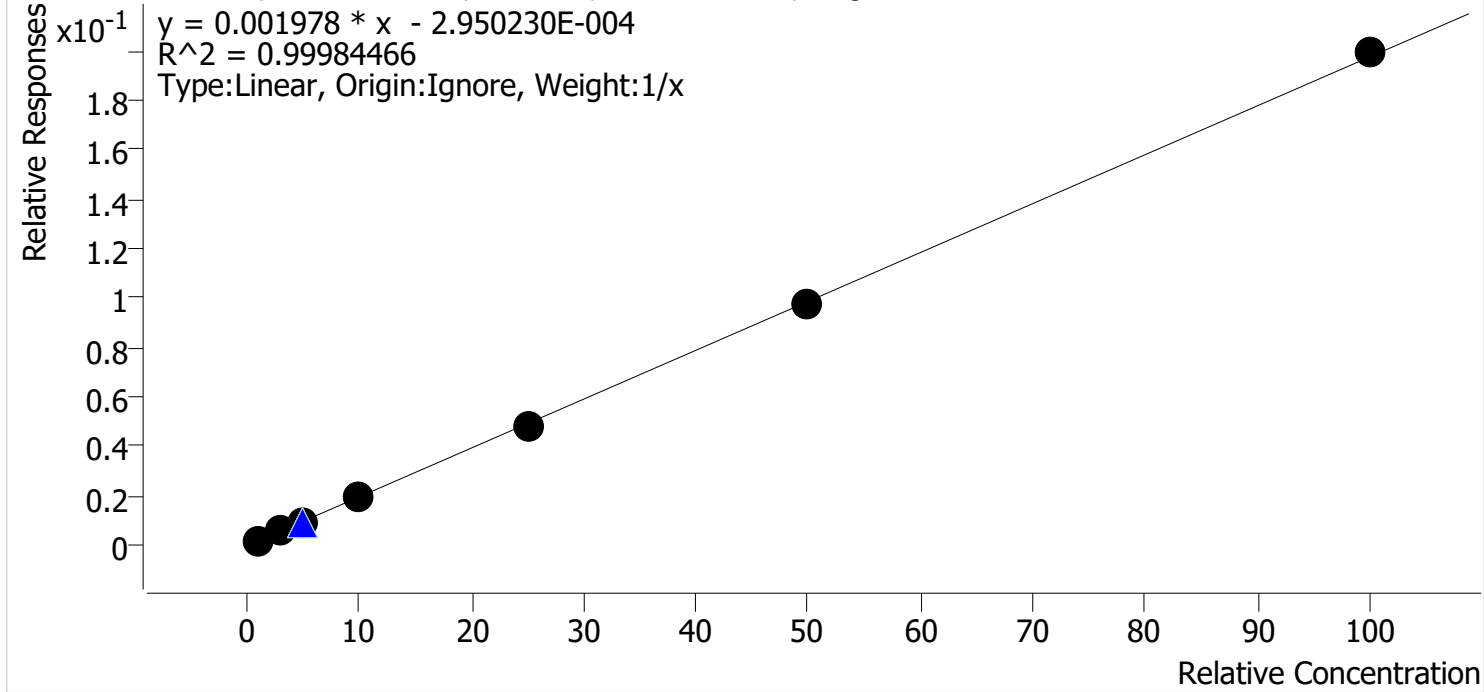
CS



AM #26 Cannabinoids Screen Calibration Curve Report

Batch results D:\MassHunter\Data\2023\AM 25 26\021423 AM 25 26 CS\QuantResults\AM 26.batch.bin
Last Cal. Update 2/16/2023 9:54 AM
Analyst Name ISP\Datastor
Analyte THC-OH **Internal Standard** THC-OH-D3

THC-OH - 7 Levels, 7 Levels Used, 7 Points, 7 Points Used, 4 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
MJ Cal 1	1	✓	1.0	1.0	104.5
MJ Cal 2	2	✓	3.0	2.9	97.6
MJ Cal 3	3	✓	5.0	4.9	98.7
MJ Cal 4	4	✓	10.0	10.1	101.1
MJ Cal 5	5	✓	25.0	24.5	98.0
MJ Cal 6	6	✓	50.0	49.6	99.3
MJ Cal 7	7	✓	100.0	100.8	100.8

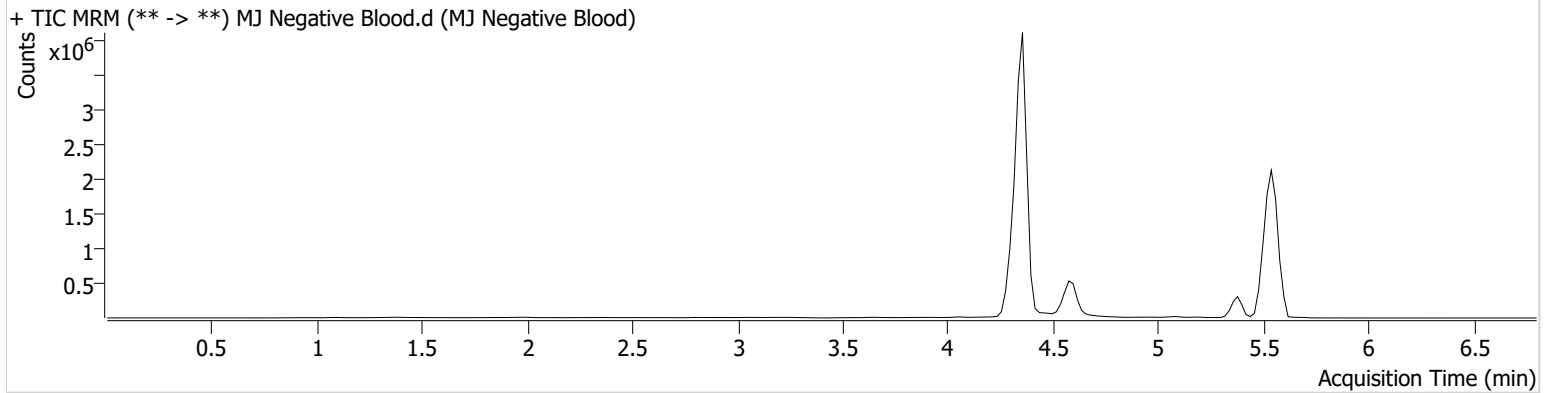
AM #26 Cannabinoids Screen Results



Batch results D:\MassHunter\Data\2023\AM 25 26\021423 AM 25 26 CS\QuantResults\AM 26.batch.bin
Calibration Last Update 2/16/2023 9:54:27 AM

Instrument	Falco (069901)	Data File	MJ Negative Blood.d
Type	Sample	Sample	MJ Negative Blood
Acq. Method	AM 26 THC.m	Operator	Celena Shrum
Sample Position	P1-B2	Comment	
Injection Volume	10		
Acq. Date-Time	2/14/2023 2:44:22 PM		
Sample Info.			

Sample Chromatogram



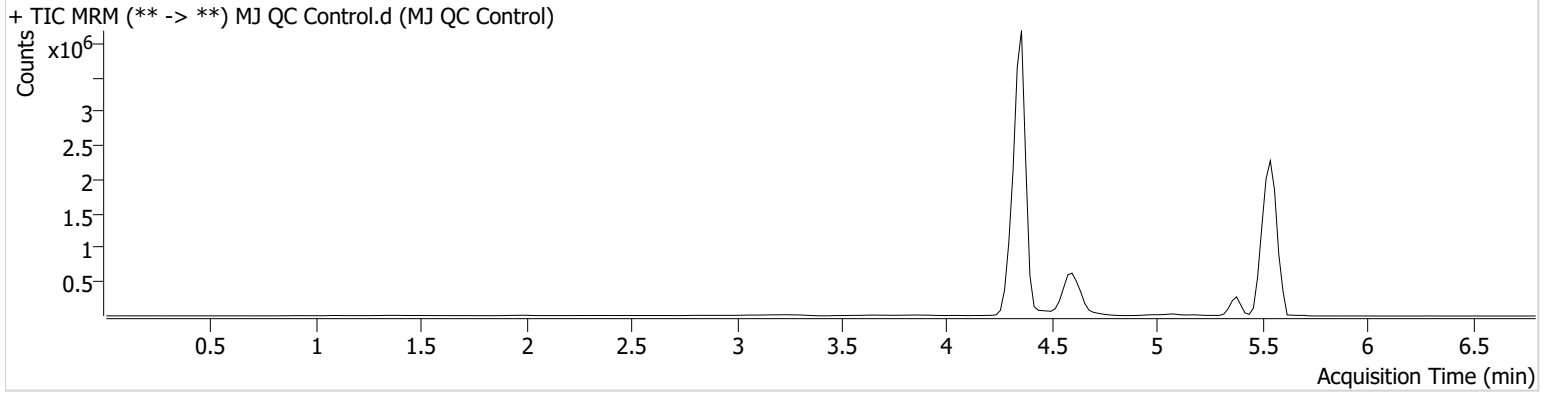
AM #26 Cannabinoids Screen Results



Batch results D:\MassHunter\Data\2023\AM 25 26\021423 AM 25 26 CS\QuantResults\AM 26.batch.bin
Calibration Last Update 2/16/2023 9:54:27 AM

Instrument	Falco (069901)	Data File	MJ QC Control.d
Type	QC	Sample	MJ QC Control
Acq. Method	AM 26 THC.m	Operator	Celena Shrum
Sample Position	P1-H1	Comment	
Injection Volume	10		
Acq. Date-Time	2/14/2023 2:29:10 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	5.570	8762	192368	4.8147 ng/ml
THC-COOH	4.616	481687	2420516	14.1941 ng/ml
THC-OH	4.362	140675	16289466	4.5158 ng/ml

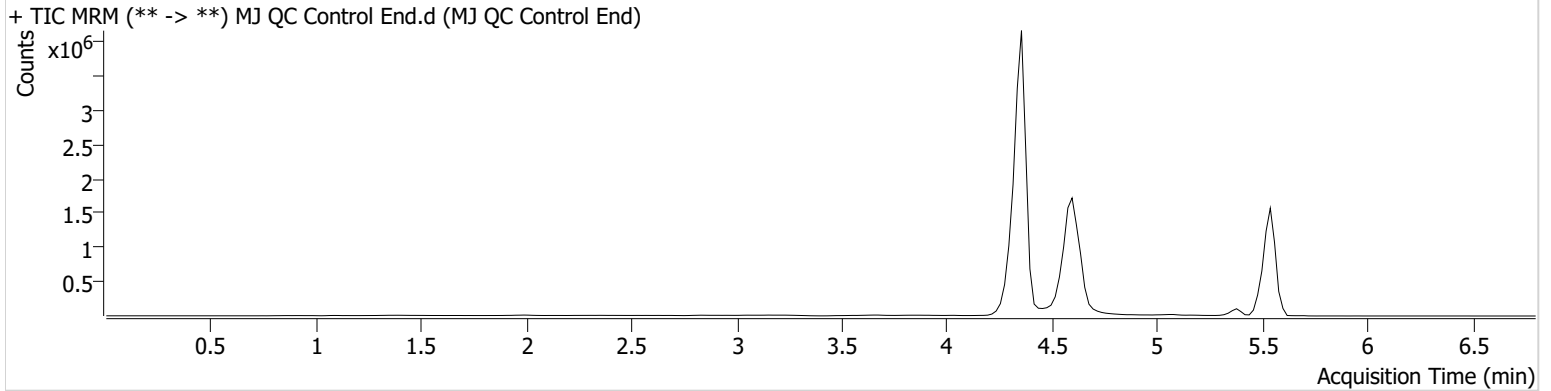
AM #26 Cannabinoids Screen Results



Batch results D:\MassHunter\Data\2023\AM 25 26\021423 AM 25 26 CS\QuantResults\AM 26.batch.bin
Calibration Last Update 2/16/2023 9:54:27 AM

Instrument	Falco (069901)	Data File	MJ QC Control End.d
Type	QC	Sample	MJ QC Control End
Acq. Method	AM 26 THC.m	Operator	Celena Shrum
Sample Position	P1-A2	Comment	
Injection Volume	10		
Acq. Date-Time	2/14/2023 6:52:53 PM		

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	5.509	5101	137883	3.9267 ng/ml
THC-COOH	4.616	1230178	6461594	13.5475 ng/ml
THC-OH	4.362	143583	16080623	4.6640 ng/ml

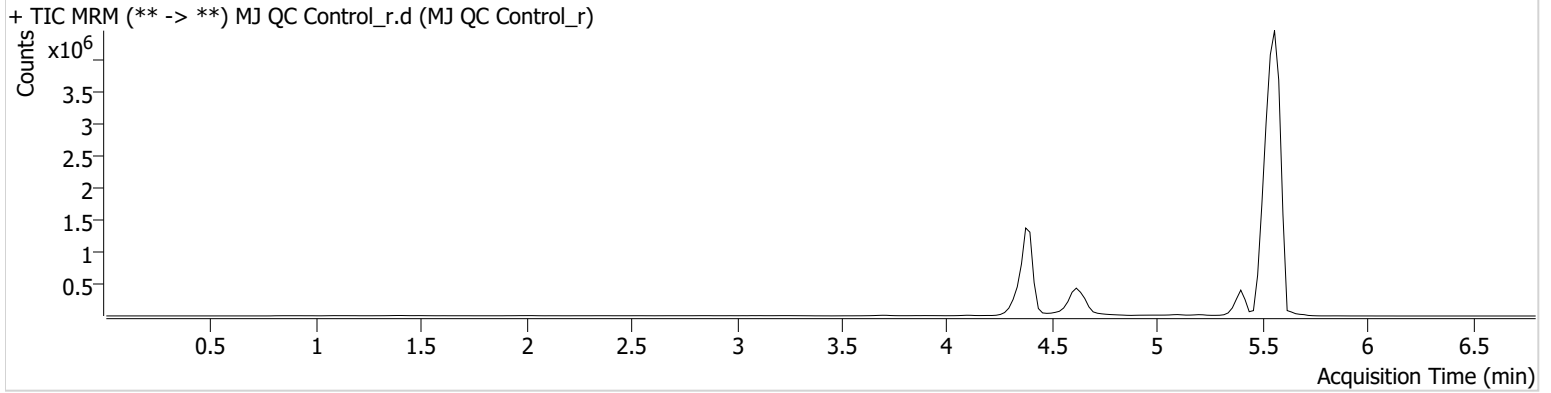


AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2023\AM 25 26\021423 AM 25 26 CS\QuantResults\AM 26.batch.bin
Calibration Last Update 2/16/2023 9:54:27 AM

Instrument Falco (069901) **Data File** MJ QC Control_r.d
Type QC **Sample** MJ QC Control_r
Acq. Method AM 26 THC.m **Operator** Celena Shrum
Sample Position P1-H1 **Comment**
Injection Volume 10
Acq. Date-Time 2/16/2023 8:56:19 AM
Sample Info.

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	5.590	15240	432820	3.7415 ng/ml
THC-COOH	4.656	329145	1530497	15.3986 ng/ml
THC-OH	4.402	52057	5557451	4.8856 ng/ml

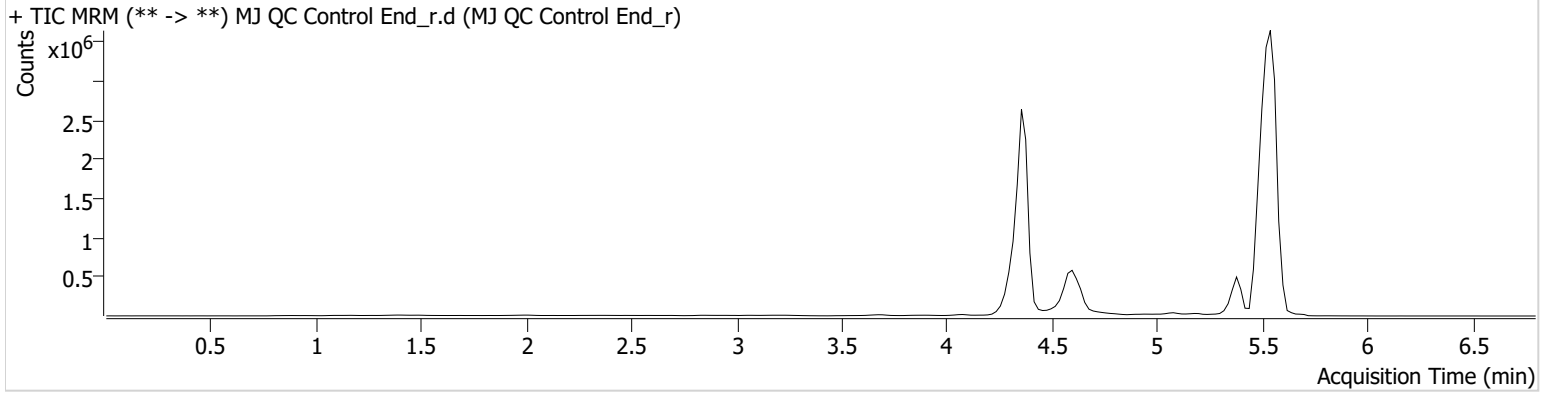


AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2023\AM 25 26\021423 AM 25 26 CS\QuantResults\AM 26.batch.bin
Calibration Last Update 2/16/2023 9:54:27 AM

Instrument Falco (069901) **Data File** MJ QC Control End_r.d
Type QC **Sample** MJ QC Control End_r
Acq. Method AM 26 THC.m **Operator** Celena Shrum
Sample Position P1-A2 **Comment**
Injection Volume 10
Acq. Date-Time 2/16/2023 9:19:13 AM
Sample Info.

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	5.570	16358	388155	4.4612 ng/ml
THC-COOH	4.616	458797	2109612	15.5802 ng/ml
THC-OH	4.382	96181	10533972	4.7660 ng/ml

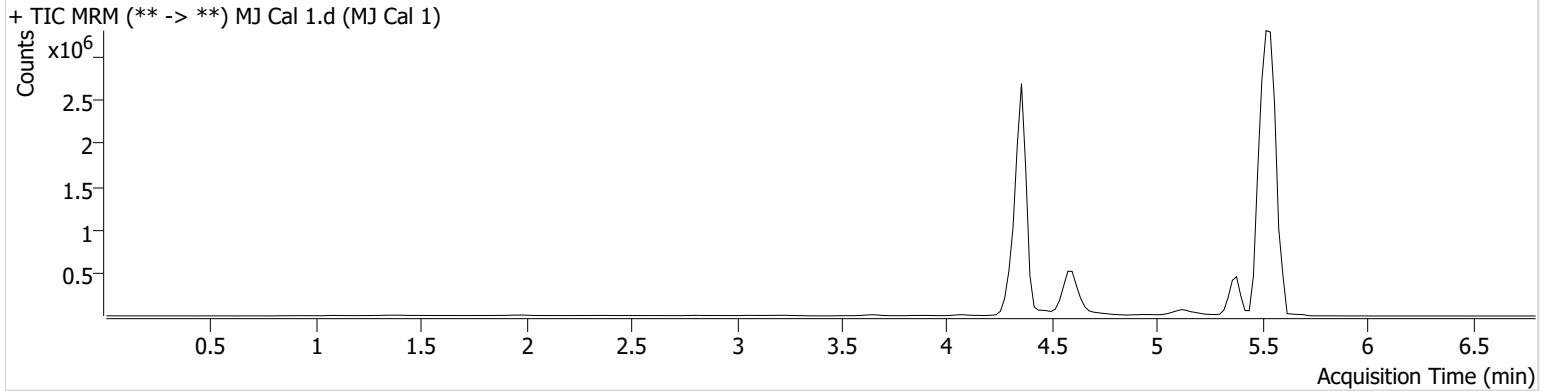
AM #26 Cannabinoids Screen Results



Batch results D:\MassHunter\Data\2023\AM 25 26\021423 AM 25 26 CS\QuantResults\AM 26.batch.bin
Calibration Last Update 2/16/2023 9:54:27 AM

Instrument	Falco (069901)	Data File	MJ Cal 1.d
Type	Cal	Sample	MJ Cal 1
Acq. Method	AM 26 THC.m	Operator	Celena Shrum
Sample Position	P1-A1	Comment	
Injection Volume	10		
Acq. Date-Time	2/14/2023 1:36:03 PM		

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.	
THC	5.570	4580	437475	1.1726 ng/ml	Low
THC-COOH	4.616	161817	2327319	4.4809 ng/ml	Low
THC-OH	4.362	18362	10368886	1.0446 ng/ml	Low

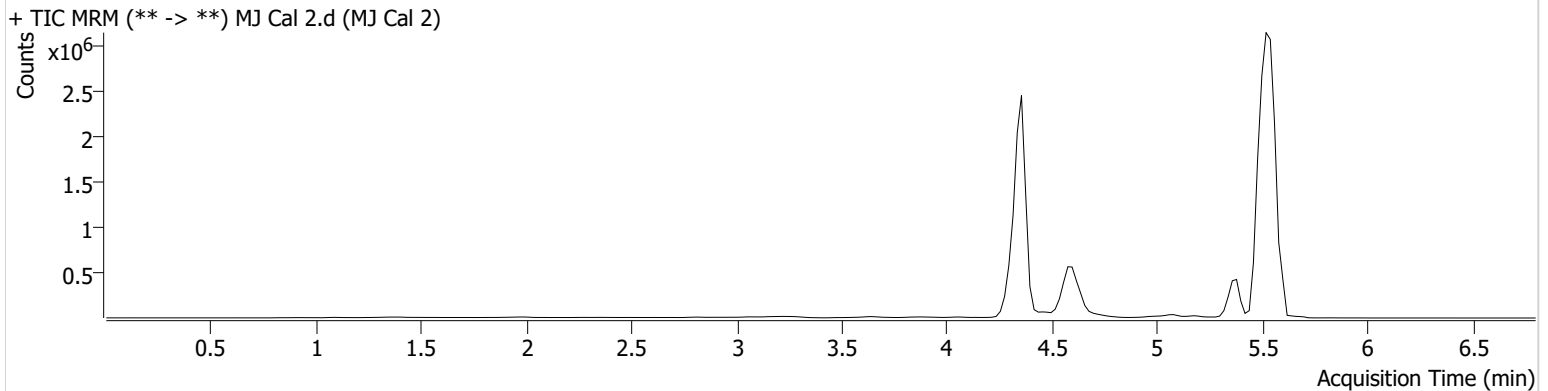
AM #26 Cannabinoids Screen Results



Batch results D:\MassHunter\Data\2023\AM 25 26\021423 AM 25 26 CS\QuantResults\AM 26.batch.bin
Calibration Last Update 2/16/2023 9:54:27 AM

Instrument	Falco (069901)	Data File	MJ Cal 2.d
Type	Cal	Sample	MJ Cal 2
Acq. Method	AM 26 THC.m	Operator	Celena Shrum
Sample Position	P1-B1	Comment	
Injection Volume	10		
Acq. Date-Time	2/14/2023 1:43:39 PM		

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	5.570	14067	488797	3.0737 ng/ml
THC-COOH	4.616	334413	2344513	9.9655 ng/ml
THC-OH	4.362	52497	9550478	2.9286 ng/ml Low

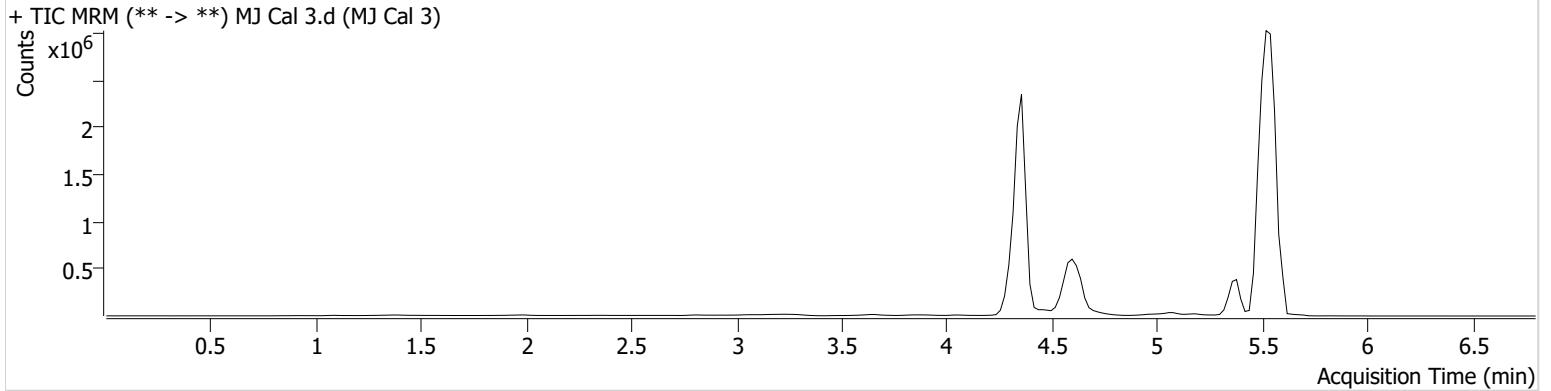
AM #26 Cannabinoids Screen Results



Batch results D:\MassHunter\Data\2023\AM 25 26\021423 AM 25 26 CS\QuantResults\AM 26.batch.bin
Calibration Last Update 2/16/2023 9:54:27 AM

Instrument	Falco (069901)	Data File	MJ Cal 3.d
Type	Cal	Sample	MJ Cal 3
Acq. Method	AM 26 THC.m	Operator	Celena Shrum
Sample Position	P1-C1	Comment	
Injection Volume	10		
Acq. Date-Time	2/14/2023 1:51:15 PM		

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	5.570	19064	449246	4.4916 ng/ml
THC-COOH	4.616	592256	2059641	20.8372 ng/ml
THC-OH	4.362	84437	8923282	4.9338 ng/ml

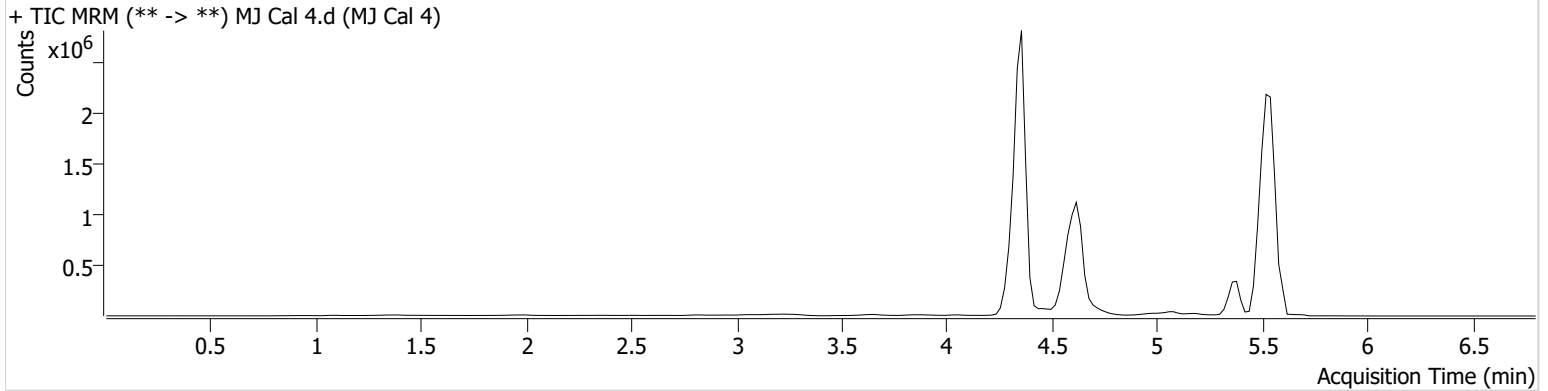


AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2023\AM 25 26\021423 AM 25 26 CS\QuantResults\AM 26.batch.bin
Calibration Last Update 2/16/2023 9:54:27 AM

Instrument Falco (069901) **Data File** MJ Cal 4.d
Type Cal **Sample** MJ Cal 4
Acq. Method AM 26 THC.m **Operator** Celena Shrum
Sample Position P1-D1 **Comment**
Injection Volume 10
Acq. Date-Time 2/14/2023 1:58:49 PM
Sample Info.

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	5.570	26082	292379	9.3474 ng/ml
THC-COOH	4.616	1607391	2205517	53.9404 ng/ml
THC-OH	4.362	195895	9940922	10.1133 ng/ml

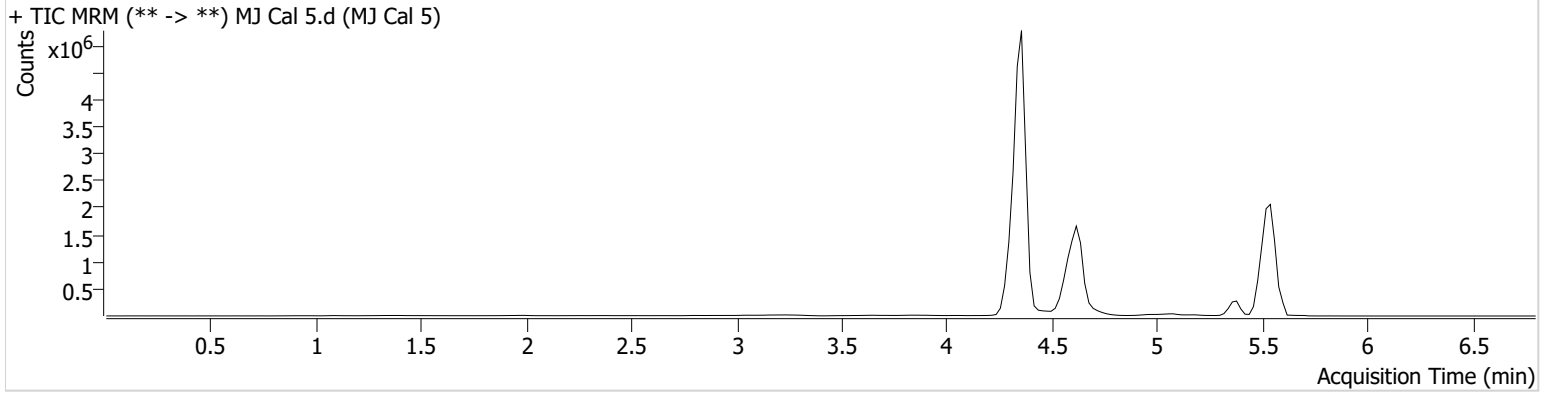
AM #26 Cannabinoids Screen Results



Batch results D:\MassHunter\Data\2023\AM 25 26\021423 AM 25 26 CS\QuantResults\AM 26.batch.bin
Calibration Last Update 2/16/2023 9:54:27 AM

Instrument	Falco (069901)	Data File	MJ Cal 5.d
Type	Cal	Sample	MJ Cal 5
Acq. Method	AM 26 THC.m	Operator	Celena Shrum
Sample Position	P1-E1	Comment	
Injection Volume	10		
Acq. Date-Time	2/14/2023 2:06:25 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	5.570	60336	258771	24.2937 ng/ml
THC-COOH	4.616	2519200	2488738	75.2039 ng/ml
THC-OH	4.362	767478	15938269	24.4973 ng/ml

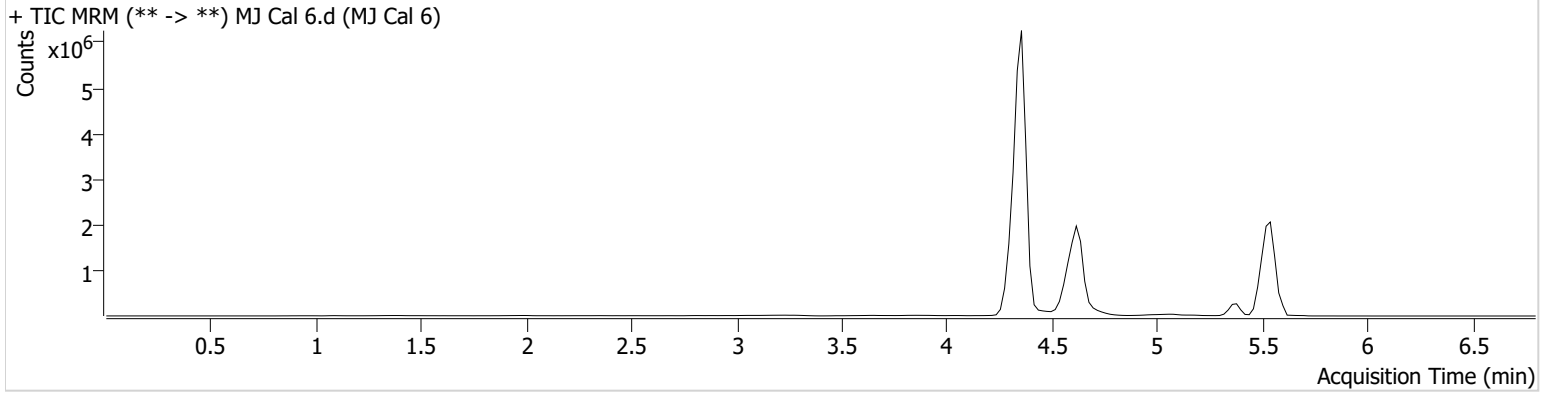


AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2023\AM 25 26\021423 AM 25 26 CS\QuantResults\AM 26.batch.bin
Calibration Last Update 2/16/2023 9:54:27 AM

Instrument Falco (069901) **Data File** MJ Cal 6.d
Type Cal **Sample** MJ Cal 6
Acq. Method AM 26 THC.m **Operator** Celena Shrum
Sample Position P1-F1 **Comment**
Injection Volume 10
Acq. Date-Time 2/14/2023 2:14:00 PM
Sample Info.

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	5.570	115335	248957	48.1850 ng/ml
THC-COOH	4.616	3141942	2333757	100.2657 ng/ml
THC-OH	4.362	1444503	14758476	49.6392 ng/ml

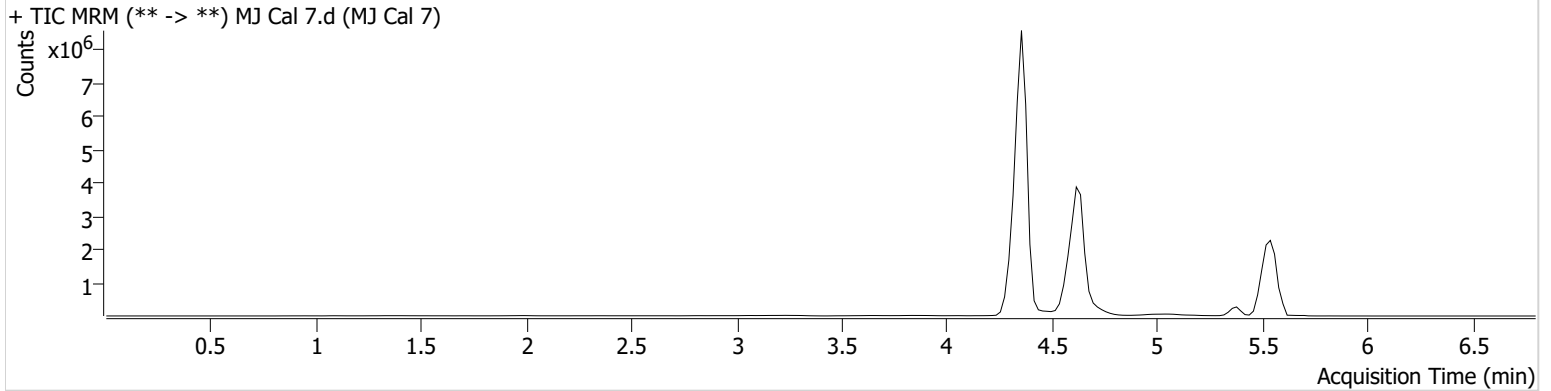


AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2023\AM 25 26\021423 AM 25 26 CS\QuantResults\AM 26.batch.bin
Calibration Last Update 2/16/2023 9:54:27 AM

Instrument Falco (069901) **Data File** MJ Cal 7.d
Type Cal **Sample** MJ Cal 7
Acq. Method AM 26 THC.m **Operator** Celena Shrum
Sample Position P1-G1 **Comment**
Injection Volume 10
Acq. Date-Time 2/14/2023 2:21:36 PM
Sample Info.

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	5.570	170283	171065	103.4360 ng/ml
THC-COOH	4.616	6968433	2124756	245.3064 ng/ml
THC-OH	4.362	2674751	13431387	100.8432 ng/ml