









Worklist: 6114

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
M2022-2634	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2022-3377	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2022-3379	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2022-3445	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2022-3656	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2022-3715	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2022-3901	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2022-3908	4	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2022-3912	3	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2022-3930	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2022-2664	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2022-2760	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2022-2785	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2022-2787	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2022-2789	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2022-2825	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2022-2859	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2022-2874	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2022-2887	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2022-2891	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2022-2892	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	

Worklist: 6114

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<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
P2022-2894	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2022-2896	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2022-2909	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2022-2931	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2022-2950	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2022-2953	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2022-2956	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2022-2958	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	

SC

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

Extraction Date: 10/04/2022
Plate lot#: IDP-120-2-220805

Analyst: Sarah Collins
Retest Date: 02/05/23

Mobile phase A: 10mM Amm Form
Instant Buffer I

Mobile phase B: 0.1% Formic Acid in MeOH
Ethyl Acetate LC Methanol

Blank Blood Lot: Lampire 22B52015-1

Blank Urine Lot: N/A

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

LCMS-QQQ ID: 069901

Pre-Analytic:

- 1. Check levels of mobile phases and needle wash refill as needed. Ensure waste is not full.
- 2. Ensure correct column is installed and begin mobile phase flow allow to equilibrate ~ 30 minutes.

Analytic:

- 1. Remove standards, plate, controls, and samples from cold storage. Allow to reach room temperature.
- 2. Urine Hydrolysis: In blank well, add 250µL urine, 40µL BG Turbo, and 100µL Instant Buffer I. Place on plate shaker for 5 minutes.
- 3. Using a calibrated pipette, pipette **250µL blood and urine** (if applicable) into wells of analytical (standards) plate.
Pipette ID: #16
- 4. Place on shaking incubator at ambient temp., 900rpm for 15 minutes. (SKIPPED PER DEVIATION)
- 5. Pipette **250µL 0.5 M ammonium hydroxide** in wells of analytical plate.
- 6. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- 7. Transfer **200-450µL of blood+base and urine+base (if applicable)** mixture to corresponding wells of SLE+ plate.
Amount transferred: 300 uL
- 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).
- 9. Wait 5 minutes.
- 10. Add **900uL ethyl acetate.**
- 11. Wait 5 minutes.
- 12. Apply positive pressure for approx. 15 seconds. **(10-15 PSI- Selector to the left).**
- 13. Add **900uL ethyl acetate.**
- 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. If run contains urine, add 50µL 1% HCl in MeOH to wells and place plate cover on plate before drying.
- 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:

SC

**Idaho State Police
Forensic Services**

Request for Departure from an Analytical Method or Quality Standard

Deviation Number (assigned by QM): TOX-22-01

Date of Request: **2/3/2022**

Requestor/Discipline: Celena Shrum/Toxicology

Analytical Method/Quality Standard, Revision #: AM #25, AM #28, AM #29, Revision 13

Temporary or Permanent Deviation: Permanent

Scope of Deviation (record specific information, e.g. affected programs, evidence types, expected end date; etc): Deviation will remain in place until the change is made in the next method revision.

Deviation Request (Describe detailed instructions of the changes being made; include reference to specific section number(s) in the method manual): 4.1.4 (Place plate on shaking incubator at approximately 900 rpm for approximately 15 minutes) of AM #25, AM # 28, and AM #29 is being removed. The removal of this step was tested in the validation "Addition of Compounds/Modifications for the MDS" (approved on 2/2/2022) and it was determined that that step is not necessary and can be removed.

Technical Justification for Analytical Method Deviations: Refer to validation "Addition of Compounds/Modifications for the MDS" (approved on 2/2/2022)

Technical Review

Departure approved
Comments:

Departure Not Approved
Comments:

Approver: Rachel Cutler
Title: Laboratory Manager



Date: 2/10/2022

Quality Review

Quality Approver: Jason Crowe
Title: Quality Manager
Date: 2/10/2022



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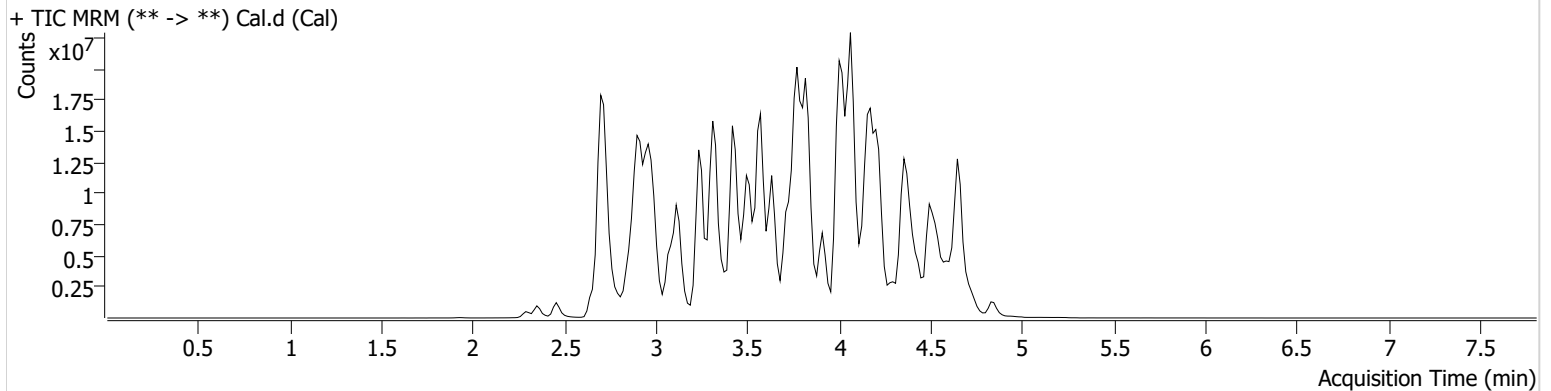
AM #25 Multi-Drug Screen Results



Batch results D:\MassHunter\Data\2022\AM 25-26\100422 AM 25 26 SC\QuantResults\AM 25.batch.bin
Calibration Last Update 10/5/2022 9:22:51 AM

Instrument	Falco (069901)	Data File	Cal.d
Type	Cal	Sample	Cal
Acq. Method	AM 25 MDS.m	Operator	Sarah Collins
Sample Position	P6-A1	Comment	
Injection Volume	5		
Acq. Date-Time	10/4/2022 2:03:10 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
10-OH-Carbamazepine	3.762	5067160	107.75	1091.11	26532879	10.0000
6-MAM	2.895	90243	1018.79	37661.02	1834608	10.0000
7-aminoclonazepam	3.590	1079968	121.19	153.80	5416495	10.0000
7-aminoflunitrazepam	3.805	3193506	240.46	272.37	5416495	10.0000
9-Hydroxyrisperidone	3.828	8522620	1523.31	130128.15	29621708	10.0000
Acetyl Fentanyl	3.802	267556	104.90	80051.33	34832751	10.0000
Acetyl Norfentanyl	2.904	608602	427.69	584.82	34832751	10.0000
a-hydroxyalprazolam	4.510	373159	481.62	303.11	5416495	10.0000
alpha-hydroxymidazolam	4.585	2937256	318.42	19942.08	5416495	10.0000
Alpha-PHP	3.794	4236575	14607.36	1941.43	34832751	10.0000
alpha-PVP	3.533	7180267	546.92	764.07	9918759	10.0000
Alprazolam	4.620	3429733	402.01	396.16	22831477	10.0000
Amitriptyline	4.409	654564	73.75	85.29	2160666	10.0000
Amphetamine	2.892	4794494	4506.79	10430.26	9918759	10.0000
Benzoyllecgonine	3.390	284643	141412.53	10509.32	355500	10.0000
Brompheniramine	4.003	77256	133.21	437.50	40898709	10.0000
Buprenorphine	4.366	459199	281107.99	34650.23	1645083	10.0000
Bupropion	3.732	4424414	437.60	812.10	17159444	10.0000
Carbamazepine	4.227	11132772	∞	1125.57	600709	10.0000
Carisoprodol	4.210	2081957	935.77	192.25	8530816	10.0000
Chlordiazepoxide	4.714	1238488	1337.09	2640.77	22831477	10.0000
Chlorpheniramine	3.914	6299374	363.06	11.48	40898709	10.0000
Chlorpromazine	4.572	590136	175.08	807.94	2333020	10.0000
Citalopram	4.032	3095636	574.93	826.92	40898709	10.0000
Clomipramine	4.589	701158	833.89	6397.06	40898709	10.0000
Clonazepam	4.434	1699183	353.20	1187.79	22831477	10.0000
Clonazolam	4.369	1827365	98106.12	354735.78	22831477	10.0000
Clozapine	4.217	2907748	2678.76	26424.50	9375148	10.0000
Cocaehtylene	3.771	6256747	2791719.16	42803.57	28588013	10.0000
Cocaine	3.573	6614575	21765.86	543.77	28588013	10.0000
Codeine	2.808	562558	1575736.36	1428.43	9871860	10.0000
Cyclobenzaprine	4.317	1107568	502.87	72.43	2160666	10.0000
Desipramine	4.348	1537584	412.78	219.81	2160666	10.0000
Dextromethorphan	4.053	1461723	885.97	279.92	6671808	10.0000

Cal

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AM #25 Multi-Drug Screen Results



Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
Dextrophan	3.377	3349751	1507.23	999919.79	6671808	10.0000
Diazepam	4.838	1791164	735.41	618.72	22831477	10.0000
Dihydrocodeine	2.746	1641882	2028.07	2461.77	9871860	10.0000
Diphenhydramine	4.008	8707893	998.48	179581.86	40898709	10.0000
Doxepin	4.115	1148620	147.72	69.49	12970475	10.0000
Doxylamine	3.637	14669846	368.27	11462.95	6671808	10.0000
Duloxetine	4.314	22764	2597.46	6513.07	265979	10.0000
EDDP	4.068	2335640	1984.48	623.35	4237756	10.0000
Estazolam	4.529	6988061	714.59	484.02	22831477	10.0000
Etizolam	4.646	430211	904.29	527897.22	22831477	10.0000
Fentanyl	4.031	119192	64.08	24892.86	7325774	10.0000
Flualprazolam	4.494	1173549	831639.26	2781.06	22831477	10.0000
Flunitrazepam	4.558	3218069	689.10	1072.07	22831477	10.0000
Fluoxetine	4.297	733999	324.16	19.07	1012311	10.0000
Flurazepam	4.137	2487975	188040.99	427.01	22831477	10.0000
Hydrocodone	2.991	2049878	815.39	544.27	9871860	10.0000
Hydromorphone	2.460	1863706	2236.44	11768.44	288573	10.0000
Hydroxyzine	4.445	1416908	696.69	534.05	40898709	10.0000
Imipramine	4.361	2496546	316.30	743.02	2160666	10.0000
Ketamine	3.441	5288125	890.09	107.19	14507720	10.0000
Lamotrigine	3.562	381813	522.40	15499.07	40898709	10.0000
Levamisole	2.950	4114586	818.83	629.00	28588013	10.0000
Levetiracetam	2.662	2044848	328.14	991.02	40898709	10.0000
Lorazepam	4.434	808963	663.44	45.66	22831477	10.0000
Maprotiline	4.393	451919	48.31	504.07	2160666	10.0000
MDA	2.998	3987768	917.95	329.84	18012458	10.0000
MDEA	3.227	6063134	5112.34	573.26	18012458	10.0000
MDMA	3.089	8785279	980.97	914.76	18012458	10.0000
Meperidine	3.578	2501438	210.72	1548.83	6671808	10.0000
Meprobamate	3.673	1251756	18734.20	∞	8530816	10.0000
Methadone	4.374	4054074	19864.13	476.68	4237756	10.0000
Methamphetamine	2.999	4760873	282.79	290.06	18012458	10.0000
Methocarbamol	3.578	419297	140.32	179.08	4237756	10.0000
Methylphenidate	3.502	15652489	1043.79	553.84	22114629	10.0000
Metoprolol	3.438	1158283	∞	124.55	6671808	10.0000
Midazolam	4.740	910564	655.11	52902.19	22831477	10.0000
Mirtazapine	3.822	3620580	4451.54	4812.28	6671808	10.0000
Mitragynine	4.152	287581	127685.85	6327.38	6671808	10.0000
Morphine	2.293	355718	6.58	1963.29	288573	10.0000
Norbuprenorphine	3.813	61284	119.81	40883.54	1645083	10.0000
Nordiazepam	4.686	2172758	16199.22	467.87	22831477	10.0000
Norfentanyl	3.333	11305600	712.44	1338.89	34832751	10.0000
Norhydrocodone	2.931	120029	72.22	131.99	288573	10.0000
Norketamine	3.503	1114169	565.72	10399.18	14507720	10.0000
Normeperidine	3.595	1871162	381.83	360.40	40898709	10.0000
Noroxycodone	2.883	1705844	∞	280.39	14507720	10.0000
Nortriptyline	4.394	435809	211.75	282.08	2160666	10.0000
O-desmethyl-tramadol	2.917	14141276	1164.48	222.10	40898709	10.0000
O-desmethylvenlafaxine	3.253	2565697	1012.70	10428.32	11337127	10.0000
Olanzapine	3.741	1294035	1005520.03	3146.93	600709	10.0000
Oxazepam	4.499	3393355	642.59	180.50	15577191	10.0000
Oxycodone	2.912	3895677	1050.26	1051.94	14507720	10.0000
Oxymorphone	2.350	1871250	354.58	4275.57	288573	10.0000
Paroxetine	4.309	132593	63.00	28043.78	1012311	10.0000
Phenazepam	4.630	2427006	22277.39	615.34	22831477	10.0000
Phencyclidine	3.917	6790255	405.37	∞	6671808	10.0000
Phentermine	3.152	1847341	156.92	30.19	22114629	10.0000
Phenytoin	4.118	1127192	2484.92	299.57	600709	10.0000
Primidone	3.473	2173630	220191.40	563.09	600709	10.0000
Promethazine	4.299	3250963	863.23	369.01	40898709	10.0000

Cal

SC

AM #25 Multi-Drug Screen Results



Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
Pseudoephedrine	2.723	50827689	16800.15	146005.57	18012458	10.0000
Quetiapine	4.353	3368117	831350.95	526993.16	39251295	10.0000
Risperidone	4.013	4512887	91215.18	434.53	29621708	10.0000
Sertraline	4.528	246616	71602.31	274.38	1012311	10.0000
Sufentanil	4.337	71169	17851.20	42.93	34832751	10.0000
Tapentadol	3.442	7925250	1034.20	205.82	14507720	10.0000
Temazepam	4.668	5429270	3108.15	139.82	22831477	10.0000
Topiramate	3.831	55301	31507.22	5939.44	268829	10.0000
Tramadol	3.423	24885422	∞	101.77	40898709	10.0000
Trazodone	4.399	3939016	1086.92	92365.41	12970475	10.0000
Venlafaxine	3.790	9666336	2960.74	583.45	1012311	10.0000
Zaleplon	4.344	3519626	630.61	108829.69	39251295	10.0000
Zolpidem	4.174	11935101	3691.71	1734.91	39251295	10.0000
Zopiclone	3.998	1491457	1058185.85	210305.83	6072526	10.0000

SC



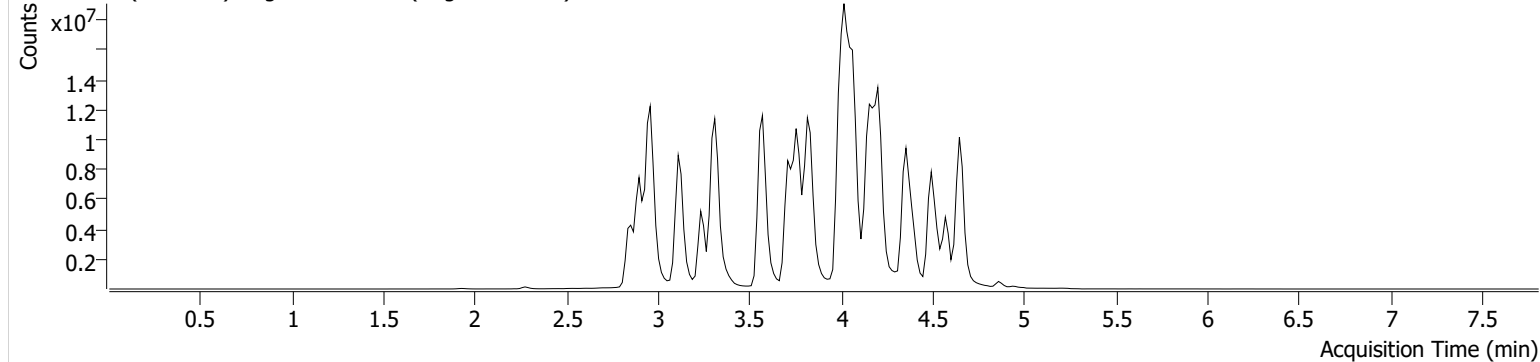
AM #25 Multi-Drug Screen Results

Batch results D:\MassHunter\Data\2022\AM 25-26\100422 AM 25 26 SC\QuantResults\AM 25.batch.bin
Calibration Last Update 10/5/2022 9:22:51 AM

Instrument	Falco (069901)	Data File	Negative Blood.d
Type	Sample	Sample	Negative Blood
Acq. Method	AM 25 MDS.m	Operator	Sarah Collins
Sample Position	P6-C1	Comment	
Injection Volume	5		
Acq. Date-Time	10/4/2022 2:11:47 PM		
Sample Info.			

Sample Chromatogram

+ TIC MRM (** -> **) Negative Blood.d (Negative Blood)



SC

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

Extraction Date: 10/04/2022

Plate lot#: IDP-108-3-220802

10mM Ammonium Formate 01/27/2023 SC

Mobile phase A: ~~0.1% Formic Acid in LCMS Water~~

Blank Blood Lot: Lampire 22B52015-1

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

LCMS-QQQ ID: 069901

Analyst: Sarah Collins

Retest Date: 02/02/2023

0.1% Formic Acid in Methanol 01/27/2023 SC

Mobile phase B: ~~0.1% Formic acid in Acetonitrile~~

Blank Urine Lot: N/A

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: add 1.5mL urine to blank plate, add 250µl 1N KOH. Shake and incubate at 40 degrees for 15 minutes.
Using a calibrated pipette, add **1000µl blood and urine (if applicable) (calibrated pipette)** into the appropriate wells of analytical (standards) plate. **Pipette ID: 3382167**
- 3. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- 4. Pipette **500µL 0.1% formic acid in water blood sample, 500 µL saturated phosphate buffer in urine** in wells of analytical plate.
- 5. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- 6. Transfer **700-800µL of blood+acid or urine+acid** mixture to corresponding wells of SLE+ plate.
Amount transferred: 800 uL
- 7. Apply positive pressure for approx. 10-15 seconds (or until no liquid remains on top of sorbent).
(Load at 85-100 PSI- Selector to the right)
- 8. Wait 5 minutes.
- 9. Add **2.25mL 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.
- 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, Curve weighting of Linear 1/x with r^2 values ≥ 0.98 for each analyte
- 3. RT +/- 3% or 0.100 min, whichever is greater, +/- 20% Accuracy for greater than (+/- 30% for 10ng/ml or less).
- 4. Case sample response for THC and OH-THC 3ng/mL (quantitative), Carboxy-THC: 10ng/mL (qualitative only) will be reported. Samples with a THC or OH-THC response over 50 ng/mL will be reported out as greater than 50 ng/mL.
- 5. Did all QCs pass for each analyte? (if not, describe in comments section)
- 6. Enter QCs into control charting.
- 7. Central File Packet to include: LIMS Worklist, Method Checklist, Calibration and Control Reports

COMMENTS: Curve Range Limited: THC 5-100 (calibrators 1 and 2 dropped due to poor peak shape)

Due to THC-OH internal standard retention time shift, THC-OH was not evaluated for M2022-3379 and M2022-3445.

SC

	1	2	3	4	5	6
A	IS + Cal. 1	IS + QC_2	m2022-3901-1	p2022-2789-1	p2022-2896-1	p2022-2887-1
B	IS + Cal. 2	negative blood	m2022-3908-4	p2022-2825-1	p2022-2909-1	p2022-2931-1
C	IS + Cal. 3	m2022-2634-1	m2022-3912-3	p2022-2859-1	p2022-2931-1*	p2022-2956-1
D	IS + Cal. 4	m2022-3377-1	m2022-3930-1	p2022-2874-1	p2022-2950-1	
E	IS + Cal. 5	m2022-3379-1	p2022-2664-1	p2022-2887-1*	p2022-2953-1	
F	IS + Cal. 6	m2022-3445-1	p2022-2760-1	p2022-2891-1	p2022-2956-1*	
G	IS + Cal. 7	m2022-3656-1	p2022-2785-1*	p2022-2892-1	p2022-2958-1	
H	IS + QC_1 blood	m2022-3715-1	p2022-2787-1	p2022-2894-1	p2022-2785-1	

All wells to contain 100 µl of residual DMSO

*Samples moved during analytical step 6 due to blood clot

SC

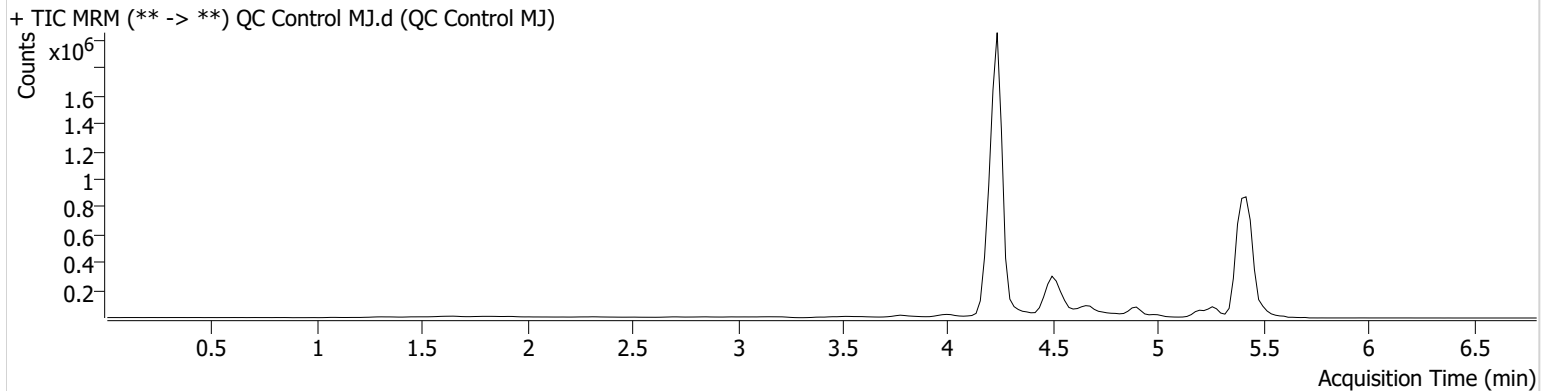


AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2022\AM 25-26\100422 AM 25 26 SC\QuantResults\AM 26.batch.bin
Calibration Last Update 10/5/2022 1:17:01 PM

Instrument	Falco (069901)	Data File	QC Control MJ.d
Type	QC	Sample	QC Control MJ
Acq. Method	AM 26 THC.m	Operator	Sarah Collins
Sample Position	P1-H1	Comment	
Injection Volume	10		
Acq. Date-Time	10/4/2022 8:12:17 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	5.389	12245	348178	5.2620 ng/ml
THC-COOH	4.536	253960	1091430	15.0652 ng/ml
THC-OH	4.242	63079	8001116	4.5084 ng/ml

SC

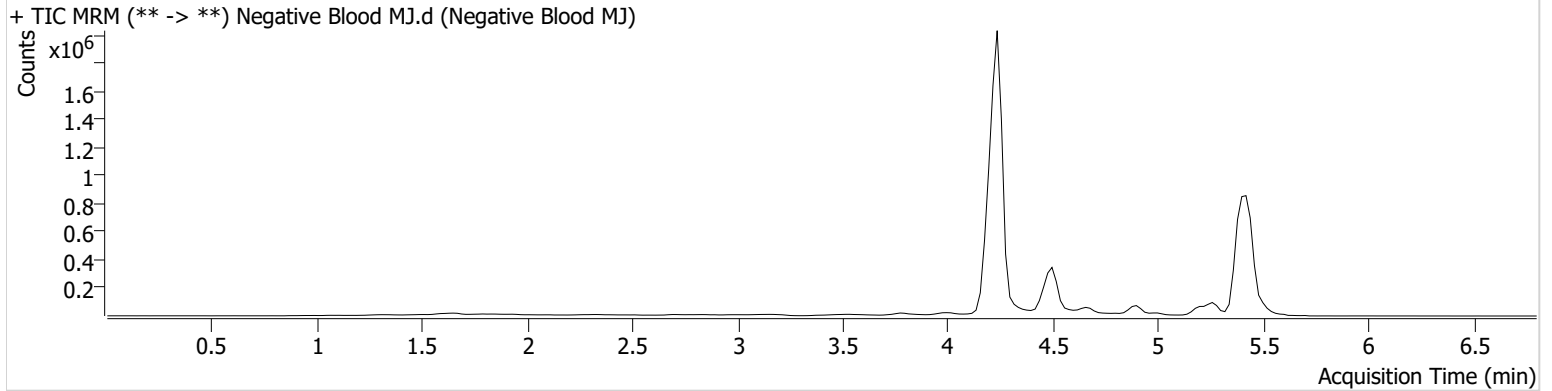


AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2022\AM 25-26\100422 AM 25 26 SC\QuantResults\AM 26.batch.bin
Calibration Last Update 10/5/2022 1:17:01 PM

Instrument	Falco (069901)	Data File	Negative Blood MJ.d
Type	Sample	Sample	Negative Blood MJ
Acq. Method	AM 26 THC.m	Operator	Sarah Collins
Sample Position	P1-B2	Comment	
Injection Volume	10		
Acq. Date-Time	10/4/2022 8:27:27 PM		
Sample Info.			

Sample Chromatogram

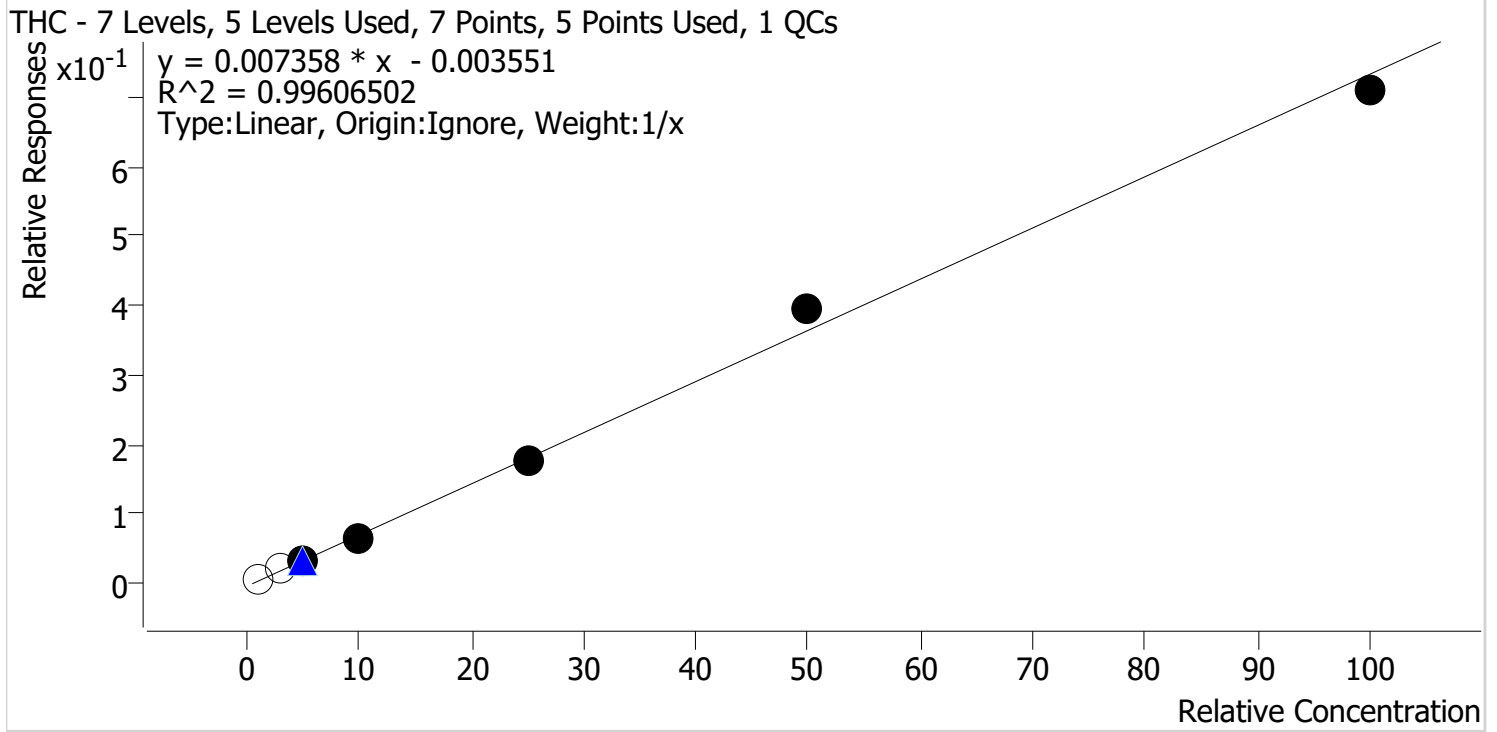


SC



AM #26 Cannabinoids Screen Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 25-26\100422 AM 25 26 SC\QuantResults\AM 26.batch.bin
Last Cal. Update 10/5/2022 1:17 PM
Analyst Name ISP\datastor
Analyte THC **Internal Standard** THC-D3



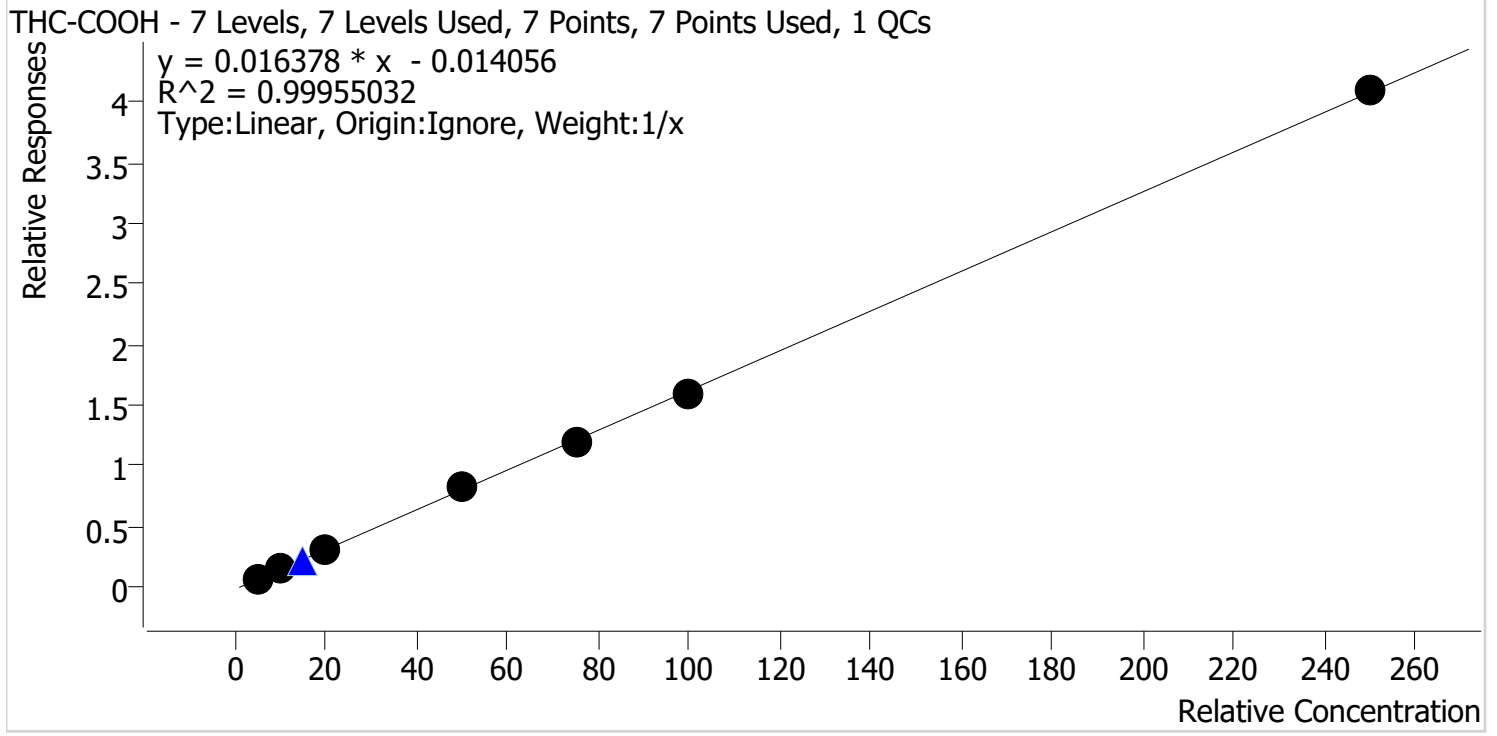
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
Cal 1 MJ	1	x	1.0	1.5	147.7
Cal 2 MJ	2	x	3.0	3.2	108.2
Cal 3 MJ	3	✓	5.0	5.1	101.1
Cal 4 MJ	4	✓	10.0	9.6	96.3
Cal 5 MJ	5	✓	25.0	24.4	97.4
Cal 6 MJ	6	✓	50.0	54.2	108.4
Cal 7 MJ	7	✓	100.0	96.8	96.8

SC



AM #26 Cannabinoids Screen Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 25-26\100422 AM 25 26 SC\QuantResults\AM 26.batch.bin
Last Cal. Update 10/5/2022 1:17 PM
Analyst Name ISP\datastor
Analyte THC-COOH **Internal Standard** THC-COOH-D9



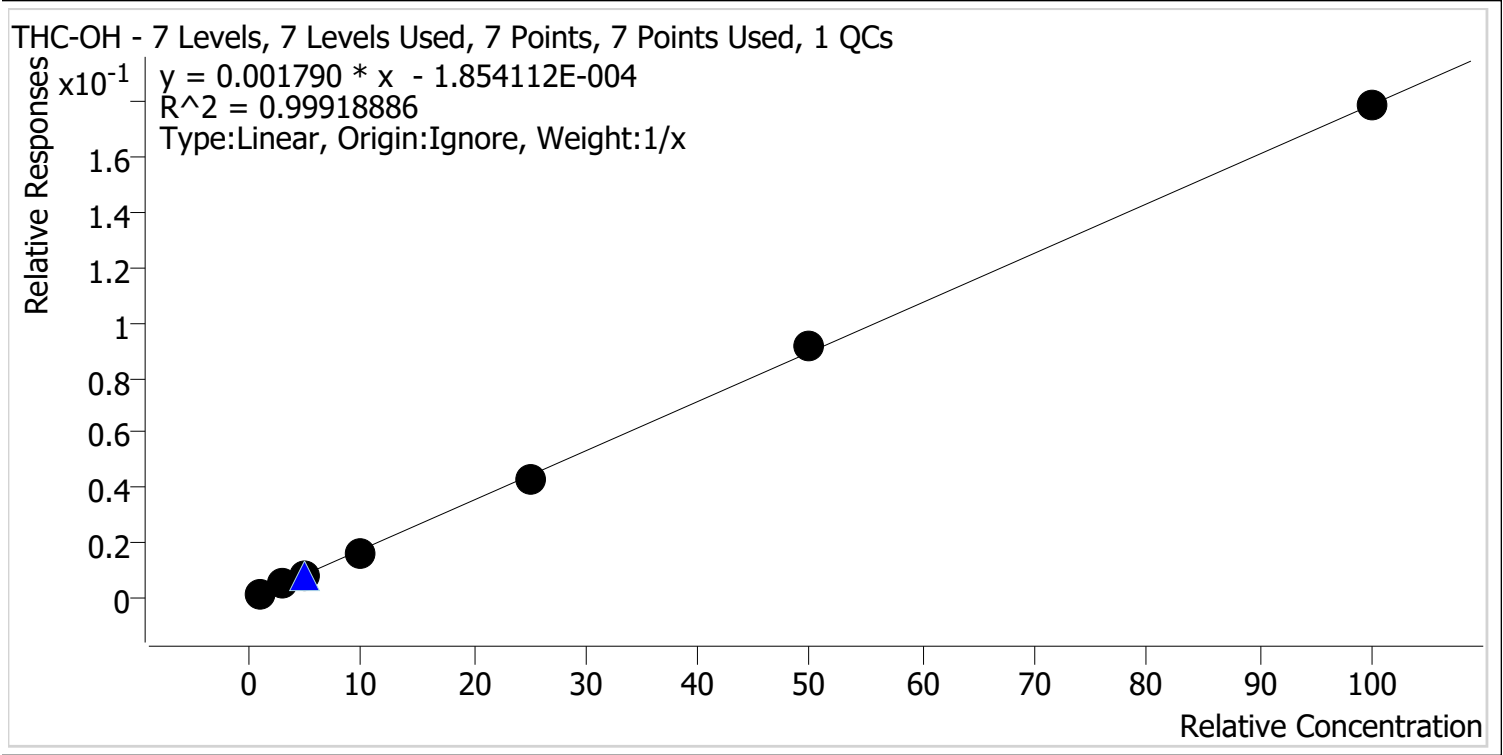
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
Cal 1 MJ	1	✓	5.0	5.3	105.1
Cal 2 MJ	2	✓	10.0	9.7	96.5
Cal 3 MJ	3	✓	20.0	19.2	96.1
Cal 4 MJ	4	✓	50.0	52.0	104.0
Cal 5 MJ	5	✓	75.0	74.8	99.8
Cal 6 MJ	6	✓	100.0	98.2	98.2
Cal 7 MJ	7	✓	250.0	250.9	100.4

SC



AM #26 Cannabinoids Screen Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 25-26\100422 AM 25 26 SC\QuantResults\AM 26.batch.bin
Last Cal. Update 10/5/2022 1:17 PM
Analyst Name ISP\datastor
Analyte THC-OH **Internal Standard** THC-OH-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
Cal 1 MJ	1	✓	1.0	1.1	111.2
Cal 2 MJ	2	✓	3.0	3.1	102.1
Cal 3 MJ	3	✓	5.0	4.6	91.7
Cal 4 MJ	4	✓	10.0	9.4	94.0
Cal 5 MJ	5	✓	25.0	24.6	98.4
Cal 6 MJ	6	✓	50.0	51.5	102.9
Cal 7 MJ	7	✓	100.0	99.8	99.8

SC

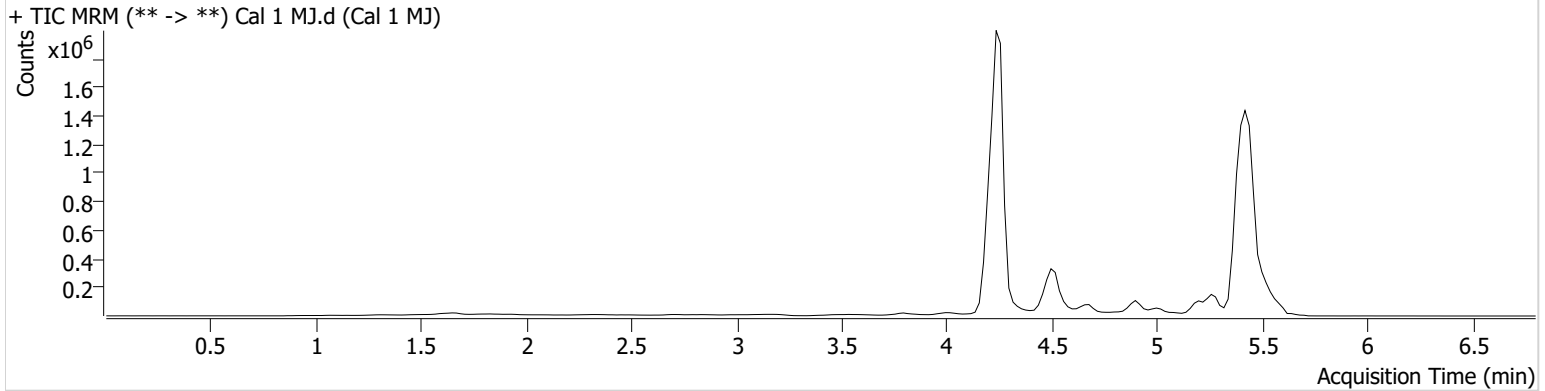


AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2022\AM 25-26\100422 AM 25 26 SC\QuantResults\AM 26.batch.bin
Calibration Last Update 10/5/2022 1:17:01 PM

Instrument	Falco (069901)	Data File	Cal 1 MJ.d
Type	Cal	Sample	Cal 1 MJ
Acq. Method	AM 26 THC.m	Operator	Sarah Collins
Sample Position	P1-A1	Comment	
Injection Volume	10		
Acq. Date-Time	10/4/2022 7:19:07 PM		

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.	
THC	5.469	5388	736435	1.4770 ng/ml	Low
THC-COOH	4.536	101162	1404390	5.2563 ng/ml	
THC-OH	4.262	15652	8674453	1.1117 ng/ml	Low

SC

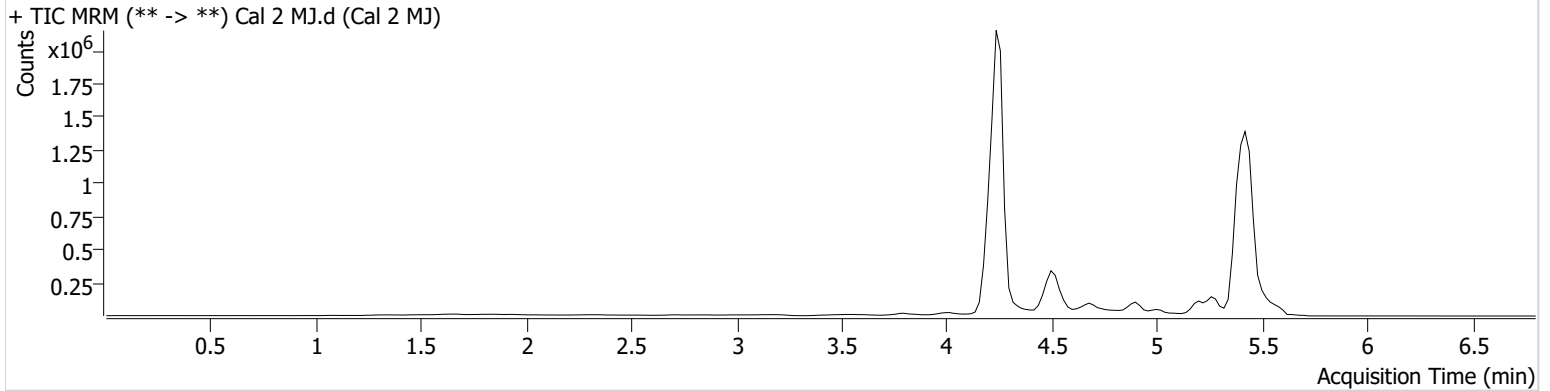
AM #26 Cannabinoids Screen Results



Batch results D:\MassHunter\Data\2022\AM 25-26\100422 AM 25 26 SC\QuantResults\AM 26.batch.bin
Calibration Last Update 10/5/2022 1:17:01 PM

Instrument	Falco (069901)	Data File	Cal 2 MJ.d
Type	Cal	Sample	Cal 2 MJ
Acq. Method	AM 26 THC.m	Operator	Sarah Collins
Sample Position	P1-B1	Comment	
Injection Volume	10		
Acq. Date-Time	10/4/2022 7:26:53 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	5.369	16574	815045	3.2462 ng/ml
THC-COOH	4.536	192638	1337434	9.6525 ng/ml
THC-OH	4.262	46791	8836095	3.0622 ng/ml

SC

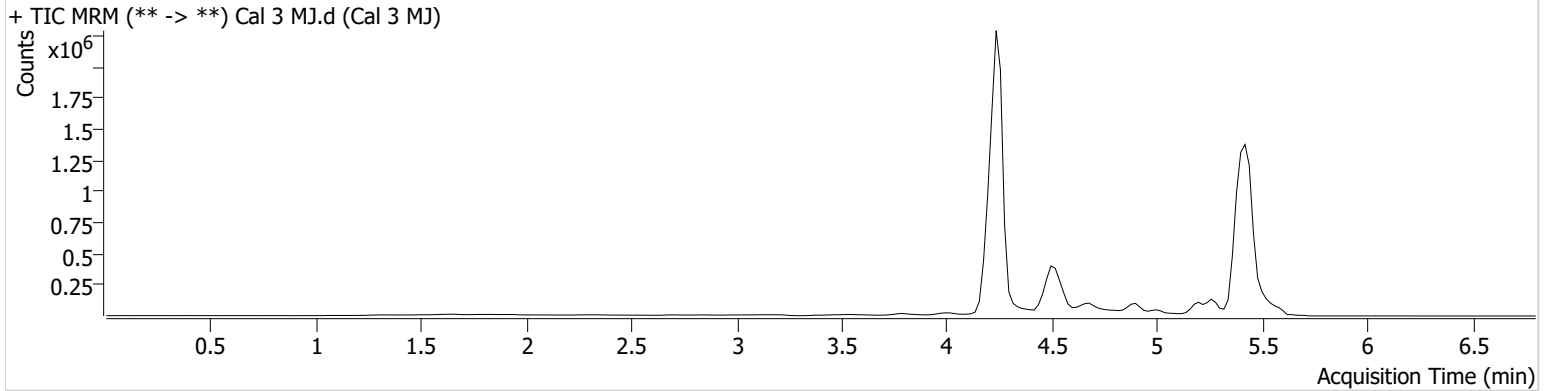


AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2022\AM 25-26\100422 AM 25 26 SC\QuantResults\AM 26.batch.bin
Calibration Last Update 10/5/2022 1:17:01 PM

Instrument	Falco (069901)	Data File	Cal 3 MJ.d
Type	Cal	Sample	Cal 3 MJ
Acq. Method	AM 26 THC.m	Operator	Sarah Collins
Sample Position	P1-C1	Comment	
Injection Volume	10		
Acq. Date-Time	10/4/2022 7:34:28 PM		

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	5.369	26101	775415	5.0572 ng/ml
THC-COOH	4.536	401985	1337387	19.2103 ng/ml
THC-OH	4.242	75635	9430659	4.5845 ng/ml

SC

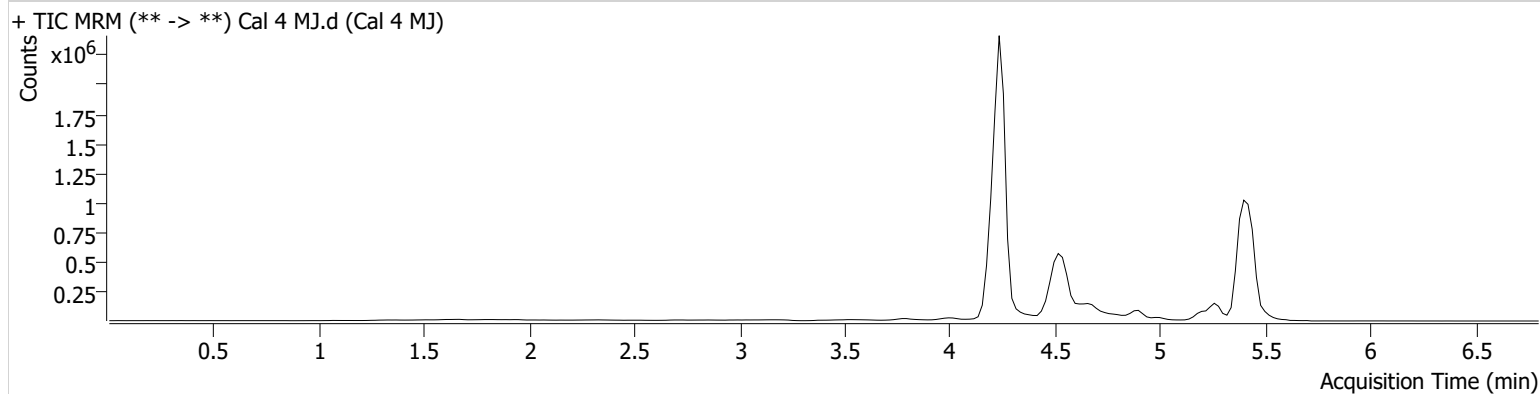
AM #26 Cannabinoids Screen Results



Batch results D:\MassHunter\Data\2022\AM 25-26\100422 AM 25 26 SC\QuantResults\AM 26.batch.bin
Calibration Last Update 10/5/2022 1:17:01 PM

Instrument	Falco (069901)	Data File	Cal 4 MJ.d
Type	Cal	Sample	Cal 4 MJ
Acq. Method	AM 26 THC.m	Operator	Sarah Collins
Sample Position	P1-D1	Comment	
Injection Volume	10		
Acq. Date-Time	10/4/2022 7:42:02 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	5.389	40282	598575	9.6284 ng/ml
THC-COOH	4.536	985935	1176968	52.0048 ng/ml
THC-OH	4.242	150202	9029273	9.3978 ng/ml

SC

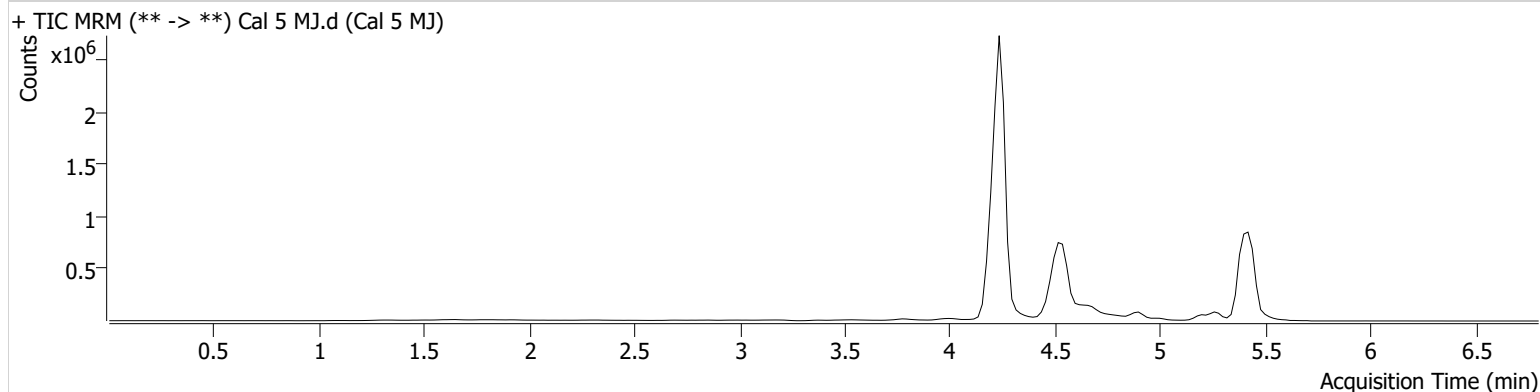


AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2022\AM 25-26\100422 AM 25 26 SC\QuantResults\AM 26.batch.bin
Calibration Last Update 10/5/2022 1:17:01 PM

Instrument	Falco (069901)	Data File	Cal 5 MJ.d
Type	Cal	Sample	Cal 5 MJ
Acq. Method	AM 26 THC.m	Operator	Sarah Collins
Sample Position	P1-E1	Comment	
Injection Volume	10		
Acq. Date-Time	10/4/2022 7:49:35 PM		

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	5.389	86162	490406	24.3602 ng/ml
THC-COOH	4.536	1383141	1141716	74.8258 ng/ml
THC-OH	4.242	370371	8449462	24.5940 ng/ml

SC

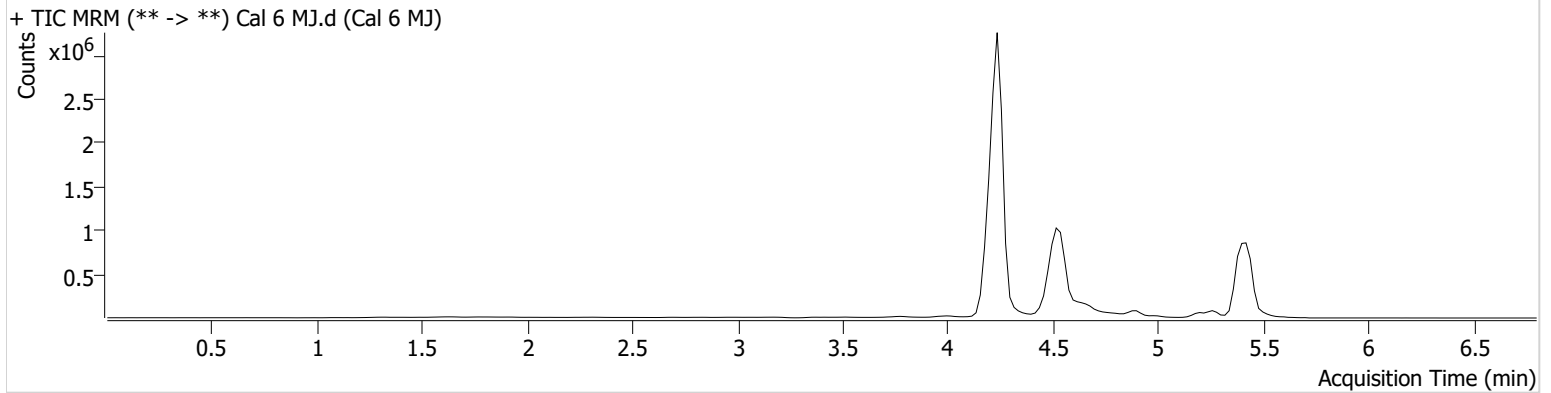


AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2022\AM 25-26\100422 AM 25 26 SC\QuantResults\AM 26.batch.bin
Calibration Last Update 10/5/2022 1:17:01 PM

Instrument	Falco (069901)	Data File	Cal 6 MJ.d
Type	Cal	Sample	Cal 6 MJ
Acq. Method	AM 26 THC.m	Operator	Sarah Collins
Sample Position	P1-F1	Comment	
Injection Volume	10		
Acq. Date-Time	10/4/2022 7:57:09 PM		

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	5.389	148484	375819	54.1771 ng/ml
THC-COOH	4.536	1951843	1224707	98.1657 ng/ml
THC-OH	4.242	734045	7986004	51.4583 ng/ml

SC

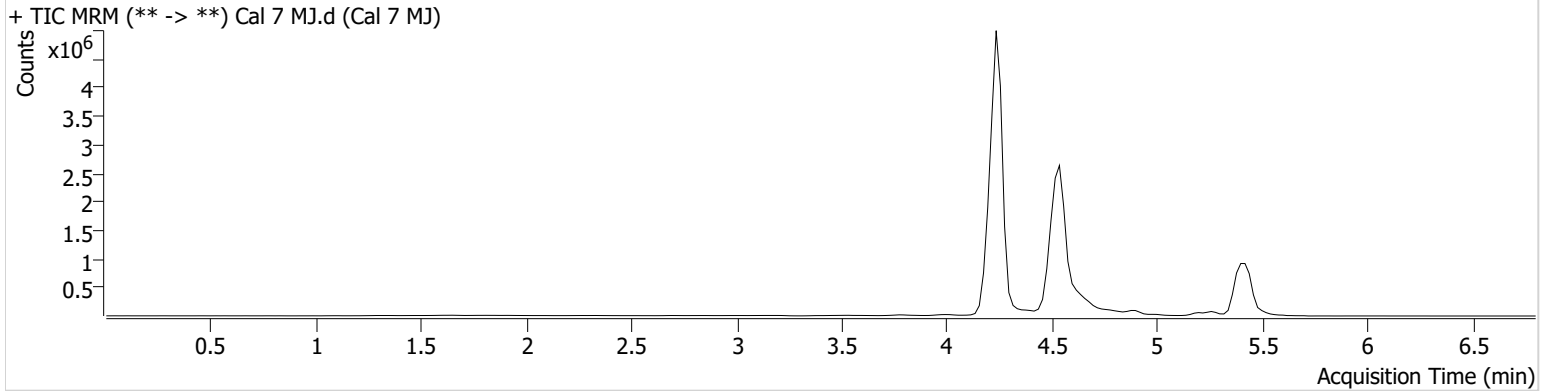


AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2022\AM 25-26\100422 AM 25 26 SC\QuantResults\AM 26.batch.bin
Calibration Last Update 10/5/2022 1:17:01 PM

Instrument	Falco (069901)	Data File	Cal 7 MJ.d
Type	Cal	Sample	Cal 7 MJ
Acq. Method	AM 26 THC.m	Operator	Sarah Collins
Sample Position	P1-G1	Comment	
Injection Volume	10		
Acq. Date-Time	10/4/2022 8:04:43 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	5.389	235348	332154	96.7771 ng/ml
THC-COOH	4.536	5220918	1274954	250.8845 ng/ml
THC-OH	4.242	1429302	8010658	99.7916 ng/ml