

REVIEWED

By Tamara Salazar at 2:04 pm, Sep 15, 2021









9/2/2021

Worklist: 5218

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
M2021-3323	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2021-3381	5	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2021-3400	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2021-3457	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2021-3509	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2021-3510	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2021-3511	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2021-3515	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2021-3571	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2021-3637	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2021-3690	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2021-3812	2	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2021-3865	3	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-2841	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-2860	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-2861	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-2862	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-2863	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-2869	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-2874	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-2906	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	

Worklist: 5218

SC

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
P2021-2916	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-2917	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-2923	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-2929	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-2930	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-2931	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-2934	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-2947	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: 09/02/21
Plate lot#: IDP-120-210611

Analyst: Sarah Collins
Retest Date: 12/11/21

Mobile phase A: 10mM Amm Form
Instant Buffer I

Blank Blood Lot: Lampire 20L20724
LCMS-QQQ ID: 069901

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: 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.
- 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:

AM #25 Multi-Drug Screen Results

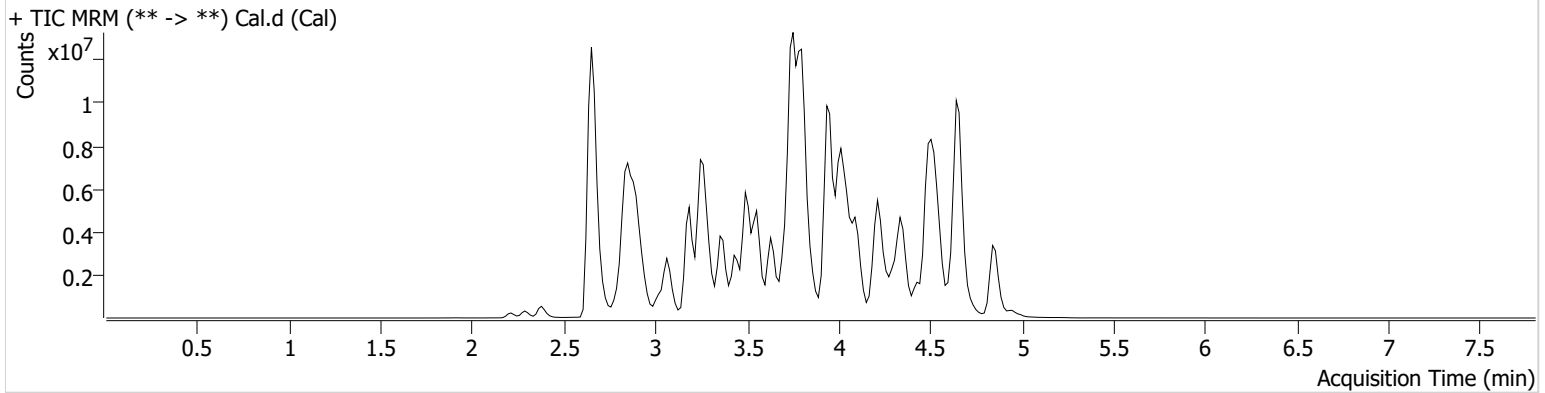
SC



Batch results D:\MassHunter\Data\2021\AM 25-26\090221 AM 25 SC\QuantResults\AM 25 casework.batch.bin
Calibration Last Update 9/15/2021 1:13:54 PM

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	9/2/2021 4:08:24 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
6-MAM	2.816	33127	18558.31	12029.05	546938	10.0000
7-aminoclonazepam	3.556	716964	888.87	765.92	3799906	10.0000
7-aminoflunitrazepam	3.771	1803969	266.14	445.33	3799906	10.0000
Acetyl Fentanyl	3.690	82602	173.76	48105.85	17025214	10.0000
Acetyl Norfentanyl	2.840	170142	836.06	45.00	17025214	10.0000
a-hydroxyalprazolam	4.505	170061	334.65	23063.77	3799906	10.0000
alpha-hydroxymidazolam	4.550	962566	637.64	170.70	3799906	10.0000
Alpha-PHP	3.713	1351743	1339.92	489.45	17025214	10.0000
alpha-PVP	3.454	2345656	647.36	283.83	2329358	10.0000
Alprazolam	4.616	2079553	704.86	563.56	21919241	10.0000
Amitriptyline	4.343	722219	122.32	228.49	2601952	10.0000
Amphetamine	2.829	1563869	596.17	185.97	2329358	10.0000
Benzoylcegonine	3.371	198821	1976.20	616.55	419374	10.0000
Brompheniramine	3.952	14243	13609.93	927.92	23882795	10.0000
Buprenorphine	4.055	251897	158327.72	11289.41	853050	10.0000
Bupropion	3.652	1753232	327.67	316.50	5328502	10.0000
Carbamazepine	4.223	7965130	∞	1220.86	675305	10.0000
Carisoprodol	4.206	770237	417346.34	129.92	4599887	10.0000
Chlordiazepoxide	4.664	1083317	794.24	582.70	21919241	10.0000
Chlorpheniramine	3.864	1534821	406002.07	4.46 Low	23882795	10.0000
Citalopram	3.983	1091016	343.13	310878.69	23882795	10.0000
Clomipramine	4.522	1202852	300740.30	11472.48	23882795	10.0000
Clonazepam	4.430	1430460	557.09	269101.84	21919241	10.0000
Clonazolam	4.365	1008944	507545.59	171902.95	21919241	10.0000
Cocaethylene	3.706	2020610	918383.00	1251.29	12647251	10.0000
Cocaine	3.493	2622655	758.41	412.43	12647251	10.0000
Codeine	2.714	297462	85929.58	697.52	5800521	10.0000
Cyclobenzaprine	4.266	819033	436.97	19.86	2601952	10.0000
Desipramine	4.298	1371092	1106.25	166.15	2601952	10.0000
Dextromethorphan	4.004	571674	378.36	114.72	2971934	10.0000
Dextrorphan	3.312	802010	1442065.58	33722.88	2971934	10.0000
Diazepam	4.848	999378	1136.93	719.47	21919241	10.0000
Dihydrocodeine	2.682	766568	1350.73	477.47	5800521	10.0000
Diphenhydramine	3.958	1966819	291.22	77.06	23882795	10.0000

Cal

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AM #25 Multi-Drug Screen Results



Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
Doxepin	4.064	508013	180.59	30.12	7114878	10.0000
Doxylamine	3.557	3634458	270.84	489.66	2971934	10.0000
EDDP	4.018	604416	224.16	2417.55	1663554	10.0000
Estazolam	4.525	5407276	1029.79	947.86	21919241	10.0000
Etizolam	4.641	323230	144949.97	434401.56	21919241	10.0000
Fentanyl	3.935	55119	41.05	197.59	4545182	10.0000
Flualprazolam	4.489	431156	215964.18	253469.02	21919241	10.0000
Flunitrazepam	4.553	2278911	2399463.67	510.42	21919241	10.0000
Fluoxetine	4.262	921656	1740.06	164.51	3125408	10.0000
Flurazepam	4.041	595236	∞	45323.14	21919241	10.0000
Hydrocodone	2.897	761171	877.13	1081.84	5800521	10.0000
Hydromorphone	2.381	920691	17916.99	79370.72	156225	10.0000
Imipramine	4.311	1317535	615.30	460.97	2601952	10.0000
Ketamine	3.299	2625551	715.01	112.62	8326757	10.0000
Lamotrigine	3.436	242763	493.09	4664.41	23882795	10.0000
Levamisole	2.856	2169033	20004.23	243.18	12647251	10.0000
Levetiracetam	2.644	890947	401.32	701.81	23882795	10.0000
Lorazepam	4.429	672315	393.50	599.57	21919241	10.0000
Maprotiline	4.343	364425	109.79	88558.12	2601952	10.0000
MDA	2.949	605283	291.34	212.56	7178866	10.0000
MDEA	3.178	1208399	1530.00	298.53	7178866	10.0000
MDMA	3.025	1750731	470.74	517.23	7178866	10.0000
Meperidine	3.513	977984	331.28	664.53	2971934	10.0000
Meprobamate	3.654	250131	224.44	57.78	4599887	10.0000
Methadone	4.324	1441693	325.39	504732.50	1663554	10.0000
Methamphetamine	2.935	1441660	1763.73	166.97	7178866	10.0000
Methocarbamol	3.560	573307	226.93	233.32	1663554	10.0000
Methylphenidate	3.438	3381033	224.98	131.16	6825420	10.0000
Metoprolol	3.372	234024	3316.19	2974.03	2971934	10.0000
Midazolam	4.551	229443	85969.28	522.92	21919241	10.0000
Mirtazapine	3.634	962413	23835.75	4096.31	2971934	10.0000
Mitragynine	4.071	116545	182779.08	178105.20	2971934	10.0000
Morphine	2.215	162989	2332.81	132775.26	156225	10.0000
Norbuprenorphine	3.748	18032	9225.40	3395.43	853050	10.0000
Nordiazepam	4.682	1132750	398.82	291.96	21919241	10.0000
Norfentanyl	3.268	3350288	14934.52	365.50	17025214	10.0000
Norhydrocodone	2.868	9379	10426.73	2257.95	156225	10.0000
Norketamine	3.284	377311	139.79	3212.35	8326757	10.0000
Normeperidine	3.530	716068	240.29	655.86	23882795	10.0000
Noroxycodone	2.835	635445	∞	198.14	8326757	10.0000
Nortriptyline	4.344	606050	88608.75	145.32	2601952	10.0000
O-desmethyl-tramadol	2.854	5647691	3120.54	176.91	23882795	10.0000
Olanzapine	3.415	731278	1995.77	1947.30	675305	10.0000
Oxazepam	4.510	2275665	298.37	430.92	13639466	10.0000
Oxycodone	2.848	2060244	269.67	467.26	8326757	10.0000
Oxymorphone	2.286	655725	178.22	619985.47	156225	10.0000
Paroxetine	4.274	147488	196.07	71.77	3125408	10.0000
Phenazepam	4.626	1228739	1172063.35	375347.54	21919241	10.0000
Phencyclidine	3.852	1137078	503.88	234.96	2971934	10.0000
Phentermine	3.088	526046	28.92	3.32 Low	6825420	10.0000
Phenytoin	4.114	1266788	1059.66	1174.65	675305	10.0000
Promethazine	4.218	2591824	1801864.12	1005.23	23882795	10.0000
Pseudoephedrine	2.660	33776949	8355.90	2291.15	7178866	10.0000
Quetiapine	4.180	1102650	1567.78	1517.44	28379193	10.0000
Sertraline	4.478	611909	1021.64	564.38	3125408	10.0000
Sufentanil	4.195	53196	14486.88	174.01	17025214	10.0000
Tapentadol	3.377	1821395	602.99	325.54	8326757	10.0000
Temazepam	4.663	3689257	2127.18	159.37	21919241	10.0000
Tramadol	3.357	4548747	1498.30	58.73	23882795	10.0000
Trazodone	4.057	1607124	1030.10	1268.68	7114878	10.0000

Cal

SC

AM #25 Multi-Drug Screen Results



Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
Venlafaxine	3.725	2226971	1459.19	169.53	3125408	10.0000
Zaleplon	4.340	3200218	356769.46	1218.13	28379193	10.0000
Zolpidem	3.815	5342838	9881.99	179765.19	28379193	10.0000
Zopiclone	3.703	518249	297.88	246057.93	2827997	10.0000

SC

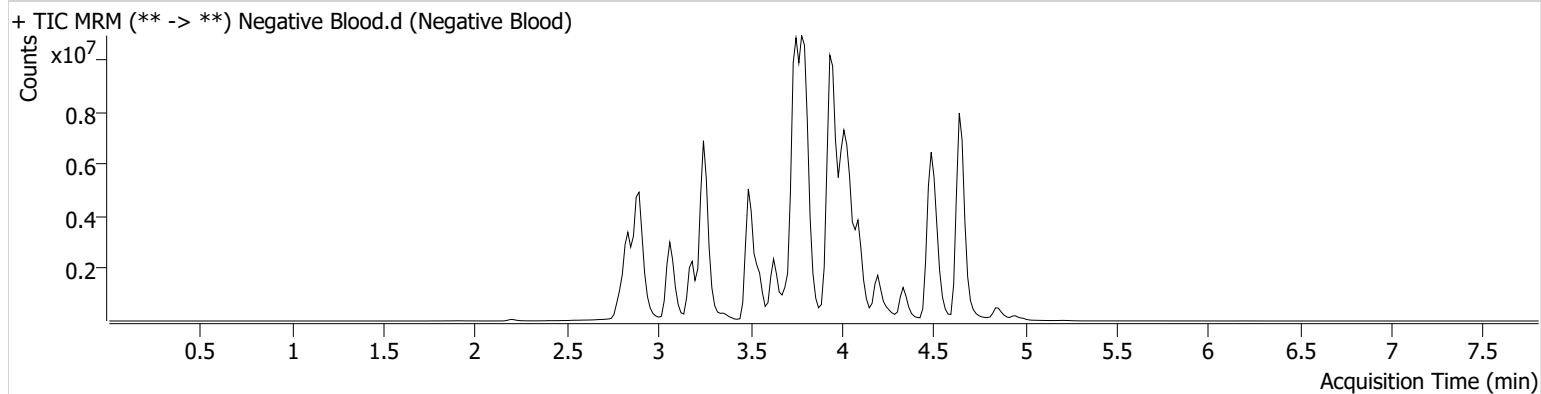


AM #25 Multi-Drug Screen Results

Batch results D:\MassHunter\Data\2021\AM 25-26\090221 AM 25 SC\QuantResults\AM 25 casework.batch.bin
Calibration Last Update 9/7/2021 3:52:20 PM

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	9/2/2021 4:17:00 PM		
Sample Info.			

Sample Chromatogram



SC

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

Extraction Date: 09/07/21

Plate lot#: IDP-108-2-210609

10mM Ammonium Formate 01/27/2023 SC

Mobile phase A: ~~0.1% Formic Acid in LCMS Water~~**Blank Blood Lot:** Lampire 20L20724**LCMS-QQQ ID:** 069901Analyst: Sarah Collins

Retest Date: 12/09/2021

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

Mobile phase B: ~~0.1% Formic acid in Acetonitrile~~**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: 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: Calibrator 4 dropped for Carboxy-THC due to peak cutting off and lowering accuracy

SC

	1	2	3	4	5	6
A	IS + Cal. 1	negative blood	m2021-3515-1	p2021-2861-1	p2021-2923-1	p2021-2874-1
B	IS + Cal. 2	m2021-3323-1	m2021-3571-1	p2021-2862-1	p2021-2929-1	
C	IS + Cal. 3	m2021-3381-5	m2021-3637-1	p2021-2863-1	p2021-2930-1	
D	IS + Cal. 4	m2021-3400-1	m2021-3690-1	p2021-2869-1*	p2021-2931-1	
E	IS + Cal. 5	m2021-3457-1	m2021-3812-2	p2021-2874-1*	p2021-2934-1	
F	IS + Cal. 6	m2021-3509-1	m2021-3865-3	p2021-2906-1	p2021-2947-1	
G	IS + Cal. 7	m2021-3510-1	p2021-2841-1	p2021-2916-1	m2021-3511-1	
H	IS + QC_1	m2021-3511-1*	p2021-2860-1	p2021-2917-1	p2021-2869-1	

All wells to contain 100 µl of residual DMSO

*Samples moved during analytical step 6 due to blood clot

SC

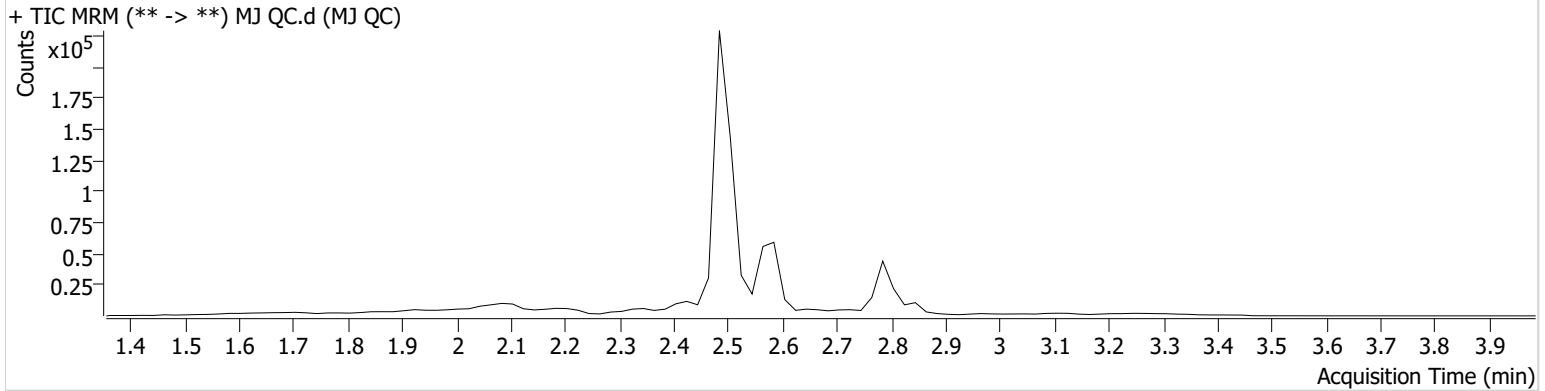


AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2021\AM 25-26\090721 AM 26 SC\QuantResults\AM 26.batch.bin
Calibration Last Update 9/8/2021 7:13:15 AM

Instrument	Falco (069901)	Data File	MJ QC.d
Type	QC	Sample	MJ QC
Acq. Method	AM 26 THCS.m	Operator	Sarah Collins
Sample Position	P1-H1	Comment	
Injection Volume	10		
Acq. Date-Time	9/7/2021 6:48:50 PM		

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	2.859	596	13244	4.9485 ng/ml
THC-COOH	2.587	16444	79933	15.1835 ng/ml
THC-OH	2.494	4525	466328	5.8378 ng/ml

SC

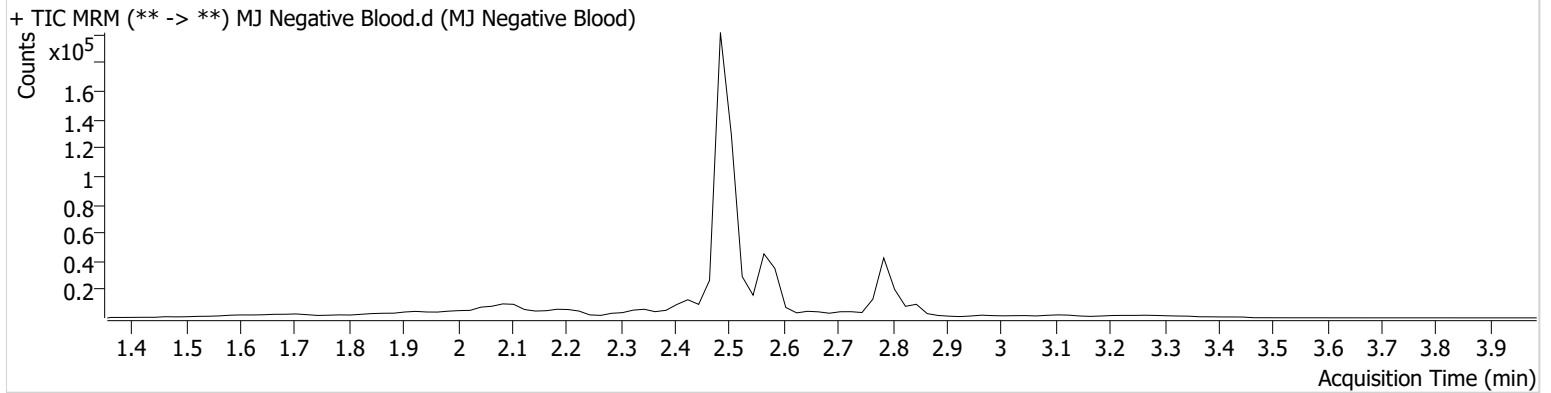


AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2021\AM 25-26\090721 AM 26 SC\QuantResults\AM 26.batch.bin
Calibration Last Update 9/8/2021 7:13:15 AM

Instrument	Falco (069901)	Data File	MJ Negative Blood.d
Type	Sample	Sample	MJ Negative Blood
Acq. Method	AM 26 THCS.m	Operator	Sarah Collins
Sample Position	P1-A2	Comment	
Injection Volume	10		
Acq. Date-Time	9/7/2021 6:55:23 PM		
Sample Info.			

Sample Chromatogram

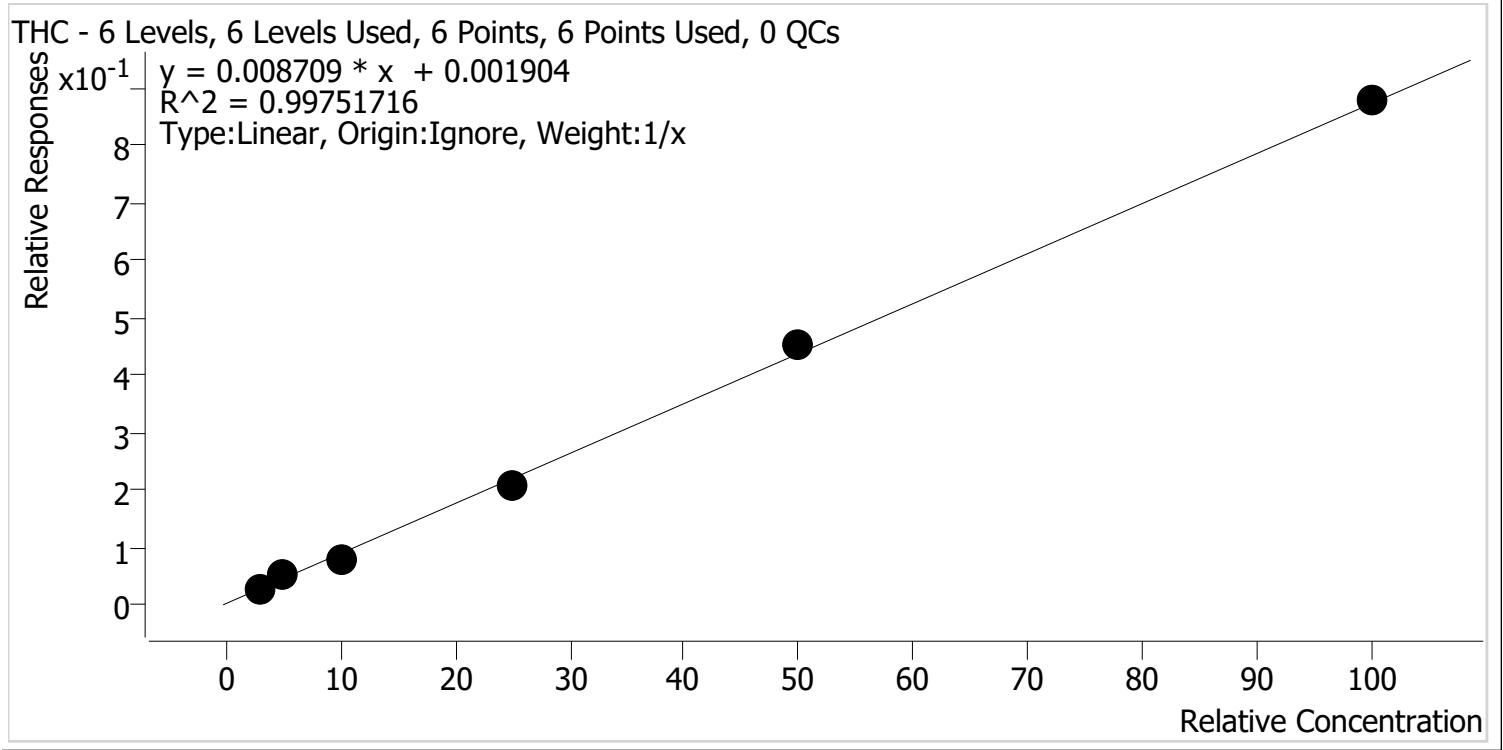


SC



AM #26 Cannabinoids Screen Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 25-26\090721 AM 26 SC\QuantResults\AM 26.batch.bin
Last Cal. Update 9/8/2021 7:13 AM
Analyst Name ISP\datastor
Analyte THC **Internal Standard** THC-D3



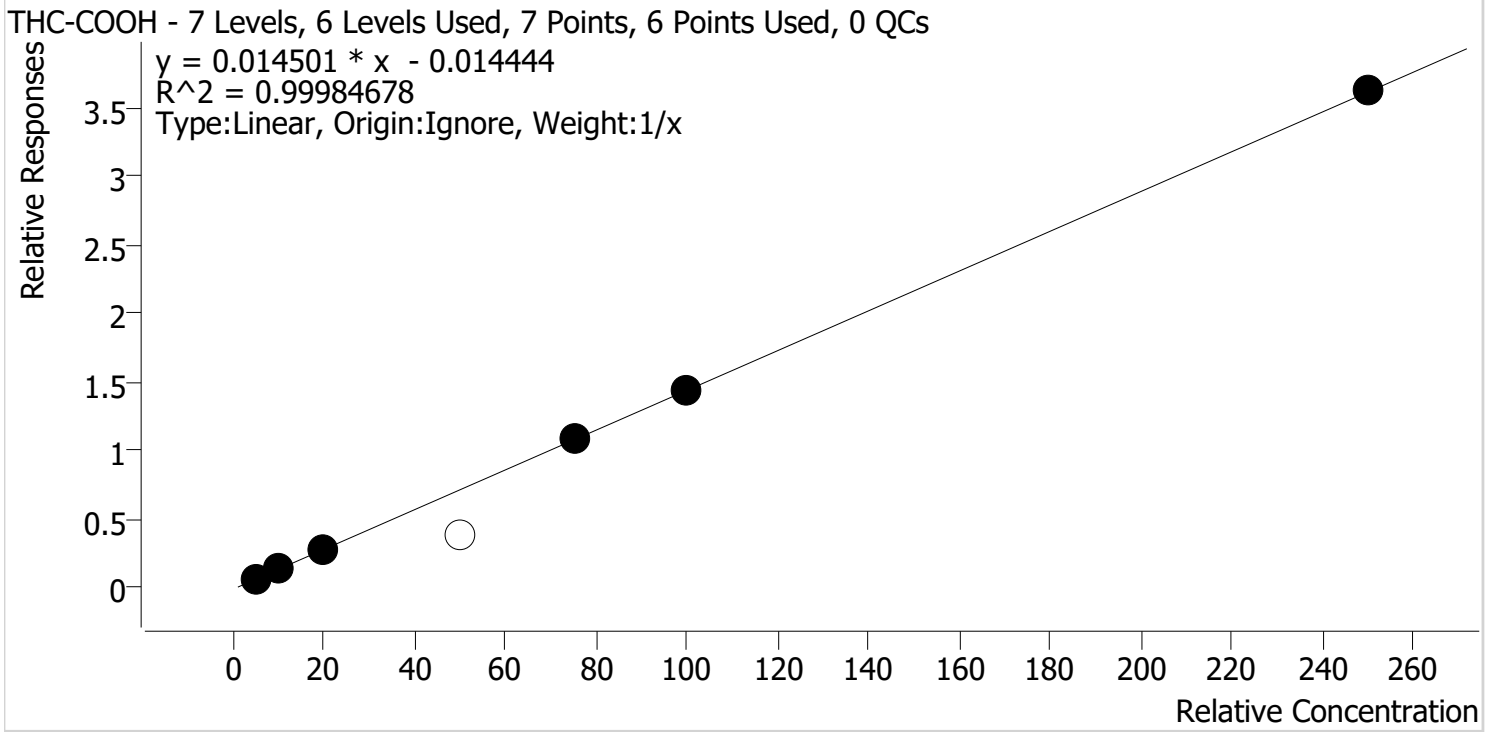
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
MJ Cal 2	2	✓	3.0	3.0	99.9
MJ Cal 3	3	✓	5.0	5.7	113.3
MJ Cal 4	4	✓	10.0	9.0	90.1
MJ Cal 5	5	✓	25.0	23.3	93.2
MJ Cal 6	6	✓	50.0	51.5	103.0
MJ Cal 7	7	✓	100.0	100.5	100.5

SC



AM #26 Cannabinoids Screen Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 25-26\090721 AM 26 SC\QuantResults\AM 26.batch.bin
Last Cal. Update 9/8/2021 7:13 AM
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	5.2	104.4
MJ Cal 2	2	✓	10.0	10.0	99.5
MJ Cal 3	3	✓	20.0	19.1	95.6
MJ Cal 4	4	x	50.0	26.6	53.3
MJ Cal 5	5	✓	75.0	75.5	100.7
MJ Cal 6	6	✓	100.0	99.5	99.5
MJ Cal 7	7	✓	250.0	250.7	100.3

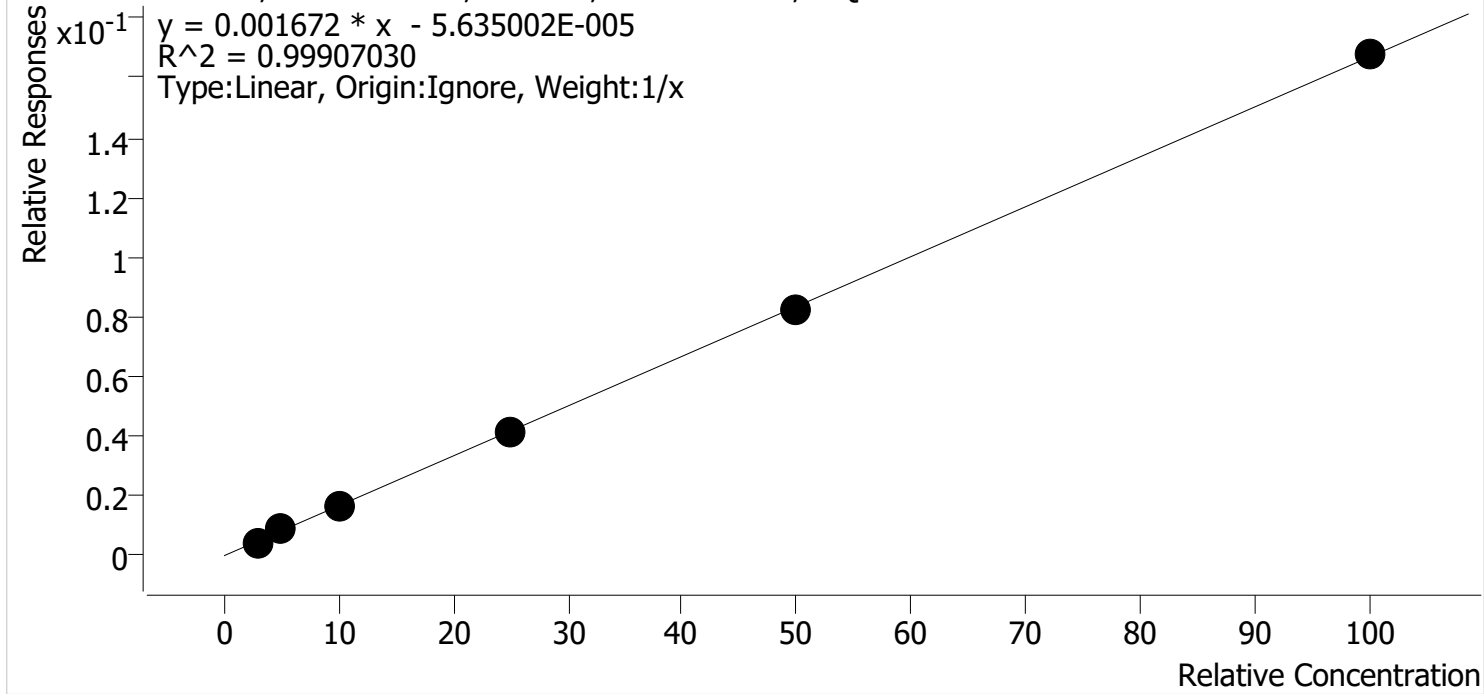
SC



AM #26 Cannabinoids Screen Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 25-26\090721 AM 26 SC\QuantResults\AM 26.batch.bin
Last Cal. Update 9/8/2021 7:13 AM
Analyst Name ISP\datastor
Analyte THC-OH **Internal Standard** THC-OH-D3

THC-OH - 6 Levels, 6 Levels Used, 6 Points, 6 Points Used, 0 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
MJ Cal 2	2	✓	3.0	2.6	88.2
MJ Cal 3	3	✓	5.0	5.6	112.1
MJ Cal 4	4	✓	10.0	10.2	102.0
MJ Cal 5	5	✓	25.0	24.6	98.2
MJ Cal 6	6	✓	50.0	49.6	99.1
MJ Cal 7	7	✓	100.0	100.4	100.4

SC

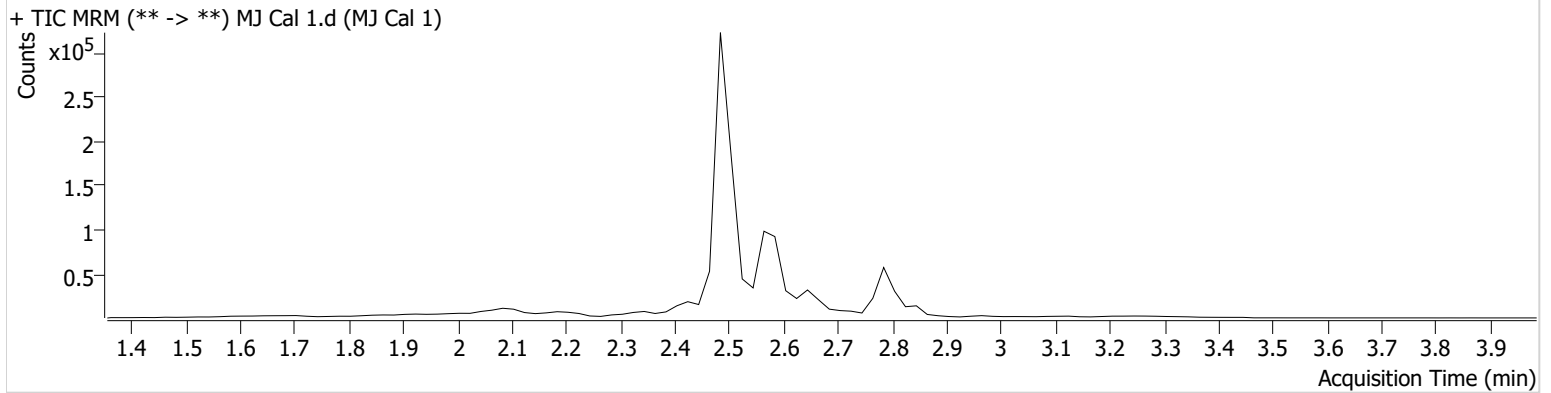
AM #26 Cannabinoids Screen Results



Batch results D:\MassHunter\Data\2021\AM 25-26\090721 AM 26 SC\QuantResults\AM 26.batch.bin
Calibration Last Update 9/8/2021 7:13:15 AM

Instrument	Falco (069901)	Data File	MJ Cal 1.d
Type	Cal	Sample	MJ Cal 1
Acq. Method	AM 26 THCS.m	Operator	Sarah Collins
Sample Position	P1-A1	Comment	
Injection Volume	10		
Acq. Date-Time	9/7/2021 6:02:46 PM		

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC-COOH	2.587	8975	146582	5.2184 ng/ml

SC

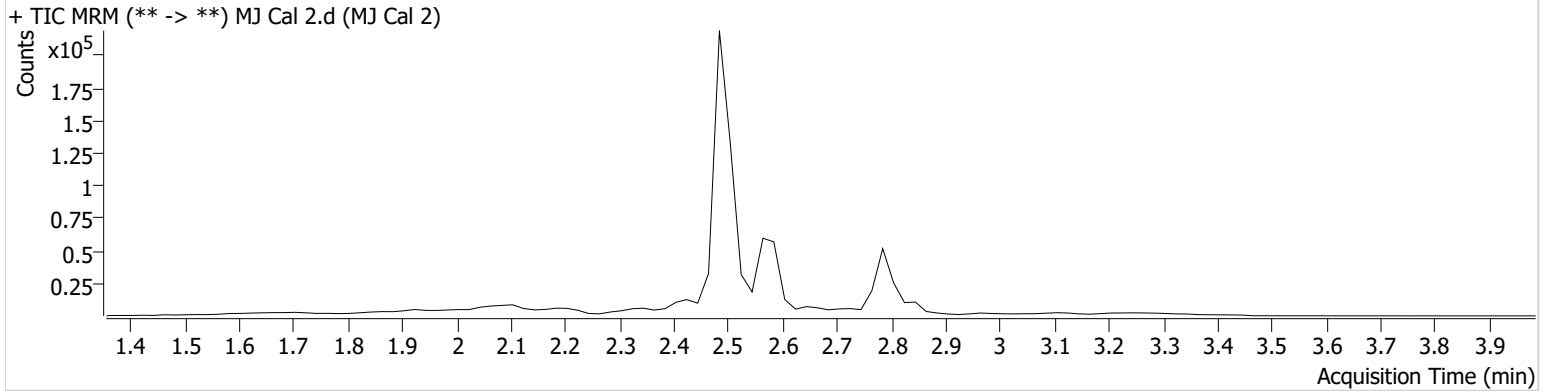


AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2021\AM 25-26\090721 AM 26 SC\QuantResults\AM 26.batch.bin
Calibration Last Update 9/8/2021 7:13:15 AM

Instrument	Falco (069901)	Data File	MJ Cal 2.d
Type	Cal	Sample	MJ Cal 2
Acq. Method	AM 26 THCS.m	Operator	Sarah Collins
Sample Position	P1-B1	Comment	
Injection Volume	10		
Acq. Date-Time	9/7/2021 6:09:29 PM		

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.	
THC	2.859	455	16231	2.9974 ng/ml	Low
THC-COOH	2.587	12077	92983	9.9531 ng/ml	
THC-OH	2.494	2051	469876	2.6446 ng/ml	Low

SC

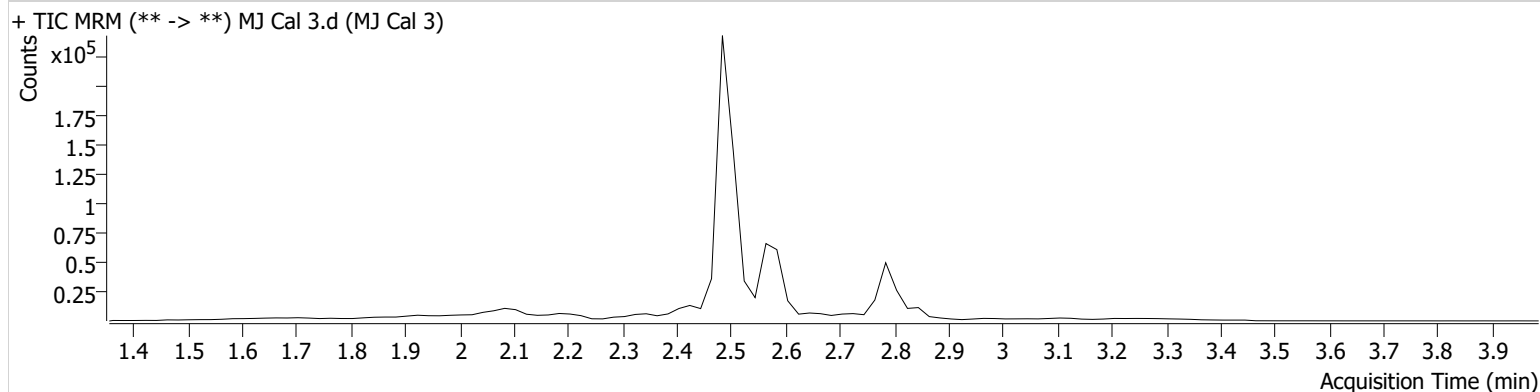
AM #26 Cannabinoids Screen Results



Batch results D:\MassHunter\Data\2021\AM 25-26\090721 AM 26 SC\QuantResults\AM 26.batch.bin
Calibration Last Update 9/8/2021 7:13:15 AM

Instrument	Falco (069901)	Data File	MJ Cal 3.d
Type	Cal	Sample	MJ Cal 3
Acq. Method	AM 26 THCS.m	Operator	Sarah Collins
Sample Position	P1-C1	Comment	
Injection Volume	10		
Acq. Date-Time	9/7/2021 6:16:02 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	2.859	816	15919	5.6649 ng/ml
THC-COOH	2.587	25360	96456	19.1278 ng/ml
THC-OH	2.494	4715	506282	5.6038 ng/ml

SC

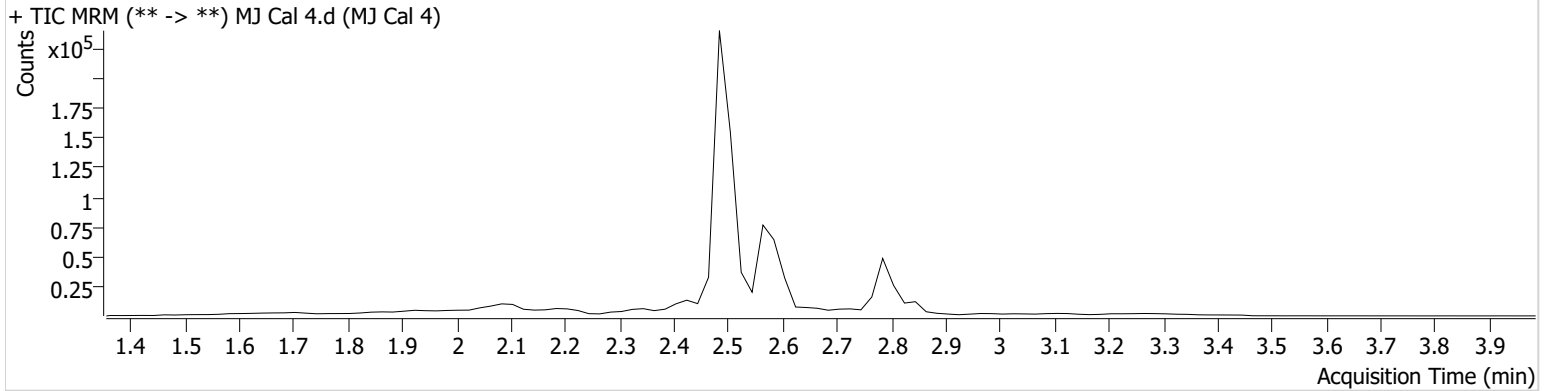


AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2021\AM 25-26\090721 AM 26 SC\QuantResults\AM 26.batch.bin
Calibration Last Update 9/8/2021 7:13:15 AM

Instrument	Falco (069901)	Data File	MJ Cal 4.d
Type	Cal	Sample	MJ Cal 4
Acq. Method	AM 26 THCS.m	Operator	Sarah Collins
Sample Position	P1-D1	Comment	
Injection Volume	10		
Acq. Date-Time	9/7/2021 6:22:37 PM		

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	2.859	1224	15232	9.0072 ng/ml
THC-COOH	2.567	34290	92259	26.6276 ng/ml
THC-OH	2.494	8254	485826	10.1957 ng/ml

SC

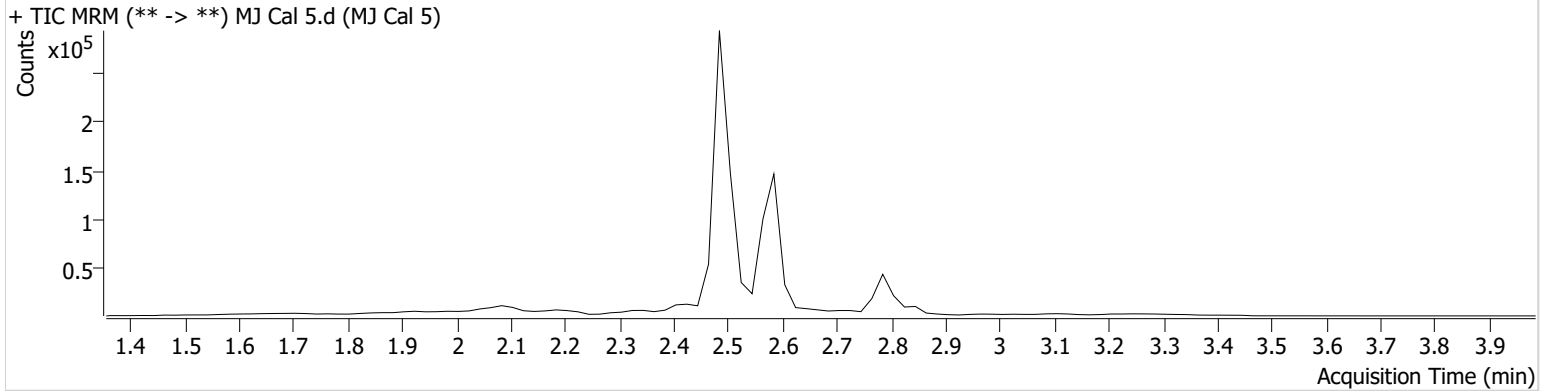


AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2021\AM 25-26\090721 AM 26 SC\QuantResults\AM 26.batch.bin
Calibration Last Update 9/8/2021 7:13:15 AM

Instrument	Falco (069901)	Data File	MJ Cal 5.d
Type	Cal	Sample	MJ Cal 5
Acq. Method	AM 26 THCS.m	Operator	Sarah Collins
Sample Position	P1-E1	Comment	
Injection Volume	10		
Acq. Date-Time	9/7/2021 6:29:10 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	2.859	2914	14232	23.2890 ng/ml
THC-COOH	2.587	91740	84893	75.5208 ng/ml
THC-OH	2.494	19498	475489	24.5619 ng/ml

SC

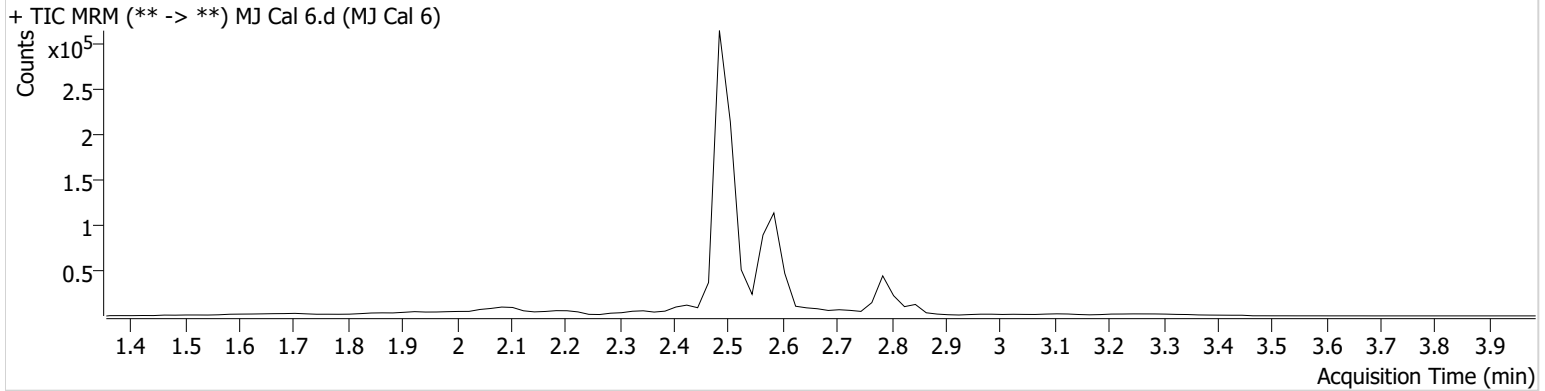


AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2021\AM 25-26\090721 AM 26 SC\QuantResults\AM 26.batch.bin
Calibration Last Update 9/8/2021 7:13:15 AM

Instrument	Falco (069901)	Data File	MJ Cal 6.d
Type	Cal	Sample	MJ Cal 6
Acq. Method	AM 26 THCS.m	Operator	Sarah Collins
Sample Position	P1-F1	Comment	
Injection Volume	10		
Acq. Date-Time	9/7/2021 6:35:42 PM		

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	2.859	5685	12617	51.5191 ng/ml
THC-COOH	2.587	110007	77021	99.4934 ng/ml
THC-OH	2.494	35966	434261	49.5724 ng/ml

SC

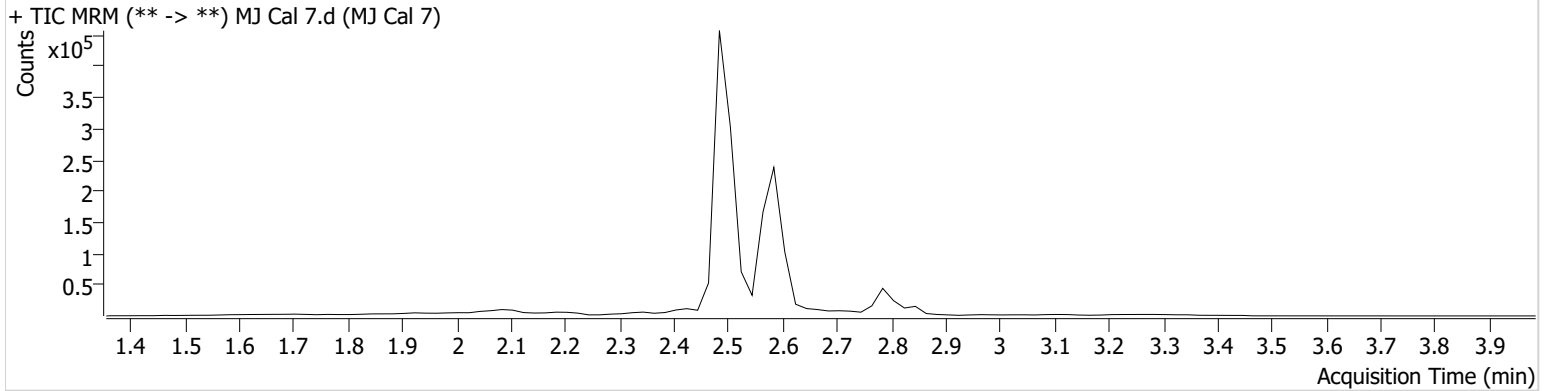


AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2021\AM 25-26\090721 AM 26 SC\QuantResults\AM 26.batch.bin
Calibration Last Update 9/8/2021 7:13:15 AM

Instrument	Falco (069901)	Data File	MJ Cal 7.d
Type	Cal	Sample	MJ Cal 7
Acq. Method	AM 26 THCS.m	Operator	Sarah Collins
Sample Position	P1-G1	Comment	
Injection Volume	10		
Acq. Date-Time	9/7/2021 6:42:16 PM		

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	2.859	11322	12905	100.5224 ng/ml
THC-COOH	2.587	287371	79370	250.6866 ng/ml
THC-OH	2.494	77632	462559	100.4216 ng/ml