REVIEWED
By Anne Nord at 1:04 pm, May 27, 2021

5/24/2021

Worklist: 4995

LAB_CASE	ITEM	ITEM_TYPE	DESCRIPTION
M2021-1921	2	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
M2021-1923	2	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
M2021-1946	2	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
M2021-1975	3	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
M2021-2086	3	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
M2021-2089	2	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2021-0231	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2021-1170	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2021-1229	2	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2021-1411	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2021-1426	2	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2021-1439	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2021-1441	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2021-1442	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2021-1443	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2021-1444	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2021-1445	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2021-1446	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2021-1458	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2021-1508	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2021-1510	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ

Worklist: 4995

LAB_CASE	ITEM	ITEM_TYPE	DESCRIPTION
P2021-1533	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2021-1534	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2021-1547	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2021-1550	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2021-1566	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2021-1567	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2021-1581	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2021-1587	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2021-1588	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: 05/24/21 Analyst: Sarah Collins
Plate lot#: IDP-120-201206 Plate Expiration: 06/06/21

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 20L20724 **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.
☒ 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:

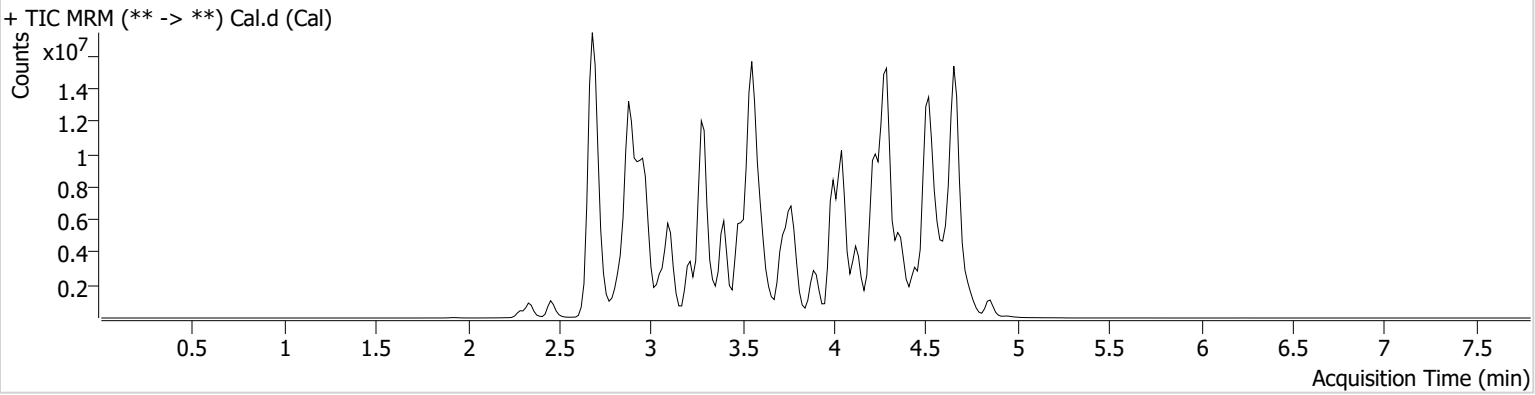
	1	2	3	4	5	6	7	8	9	10	11	12
A	IS + Cal. 1	m2021-2089-2	p2021-1442-1	p2021-1533-1	p2021-1588-1							
B	IS + Cal. 1	p2021-0231-1	p2021-1443-1	p2021-1534-1								
C	negative blood	p2021-1170-1	p2021-1444-1	p2021-1547-1								
D	m2021-1921-2	p2021-1229-2	p2021-1445-1	p2021-1550-1								
E	m2021-1923-2	p2021-1411-1	p2021-1446-1	p2021-1566-1								
F	m2021-1946-2	p2021-1426-2	p2021-1458-1	p2021-1567-1								
G	m2021-1975-3	p2021-1439-1	p2021-1508-1	p2021-1581-1								IS + Cal. 1
H	m2021-2086-3	p2021-1441-1	p2021-1510-1	p2021-1587-1								IS + Cal. 1

AM #25 Multi-Drug Screen Results

Batch results D:\MassHunter\Data\2021\AM 25-26\052421 AM 25 26 SC\QuantResults\AM 25.batch.bin
Calibration Last Update 5/25/2021 10:34:05 AM

Instrument	Falco (069901)	**Data File**	Cal.d
Type	Cal	**Sample**	Cal
Acq. Method	AM 25 MDS.m	**Operator**	Sarah Collins
Sample Position	P2-A1	**Comment**	
Injection Volume	5		
Acq. Date-Time	5/24/2021 10:29:22 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
6-MAM	2.892	72123	37818.70	45463.50	2295062	10.0000
7-aminoclonazepam	3.569	2265295	3593.60	409.10	9708029	10.0000
7-aminoflunitrazepam	3.783	3736080	3469.73	639.88	9708029	10.0000
Acetyl Fentanyl	3.841	93780	74.26	35491.54	31112345	10.0000
Acetyl Norfentanyl	2.870	431078	915.16	51006.43	31112345	10.0000
a-hydroxyalprazolam	4.515	552834	461.71	211688.14	9708029	10.0000
alpha-hydroxymidazolam	4.591	3118824	563.89	960959.32	9708029	10.0000
Alpha-PHP	3.788	2415553	954.66	813.37	31112345	10.0000
alpha-PVP	3.513	3958232	488.66	350.25	6668450	10.0000
Alprazolam	4.626	4524963	709.51	1136.50	30858322	10.0000
Amitriptyline	4.400	261180	18.30	84.62	1081254	10.0000
Amphetamine	2.875	2404370	383.35	1019.60	6668450	10.0000
Benzoylecgonine	3.369	352935	294625.01	456.29	572379	10.0000
Brompheniramine	3.995	27450	13.99	180.77	21157471	10.0000
Buprenorphine	4.557	264894	6480.34	29196.50	1159274	10.0000
Bupropion	3.742	2645112	1417.14	275.11	10419795	10.0000
Carbamazepine	4.234	14991661	∞	1463.04	1180674	10.0000
Carisoprodol	4.217	2296475	3820944.58	177.02	14951599	10.0000
Chlordiazepoxide	4.735	1177948	207.23	2329.60	30858322	10.0000
Chlorpheniramine	3.908	2124319	527.24	30.62	21157471	10.0000
Citalopram	4.040	1040988	272.66	223497.79	21157471	10.0000
Clomipramine	4.594	473854	83280.17	953.83	21157471	10.0000
Clonazepam	4.440	2055368	408.72	607491.87	30858322	10.0000
Clonazolam	4.375	2759377	47868.66	755645.21	30858322	10.0000
Cocaethylene	3.750	3700619	3939.16	9696.59	27514051	10.0000
Cocaine	3.536	4919868	925.27	815971.07	27514051	10.0000
Codeine	2.805	432489	283.29	1939.96	12149919	10.0000
Cyclobenzaprine	4.324	331071	433.12	11.29	1081254	10.0000
Desipramine	4.340	614316	187.17	100.43	1081254	10.0000
Dextromethorphan	4.046	555499	372.89	224.41	2654708	10.0000
Dextrorphan	3.341	1952444	919.84	1245547.04	2654708	10.0000
Diazepam	4.859	1628604	1132.11	628.31	30858322	10.0000
Dihydrocodeine	2.728	1196091	1228.13	762.66	12149919	10.0000
Diphenhydramine	4.002	2699220	2288.06	1219.90	21157471	10.0000

AM #25 Multi-Drug Screen Results

Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
Doxepin	4.122	318133	96.99	19.92	7384695	10.0000
Doxylamine	3.601	6815399	309.64	1429.32	2654708	10.0000
EDDP	4.045	812198	884.63	128.28	1915471	10.0000
Estazolam	4.535	9308063	1133.62	1258.97	30858322	10.0000
Etizolam	4.636	695004	413140.72	1500379.62	30858322	10.0000
Fentanyl	4.054	42827	20.99	9748.21	3345746	10.0000
Flualprazolam	4.484	1693170	800157.67	502575.04	30858322	10.0000
Flunitrazepam	4.564	4289649	1714.21	3556.88	30858322	10.0000
Fluoxetine	4.303	353708	765.14	10.26	984660	10.0000
Flurazepam	4.145	1304055	963149.54	342766.32	30858322	10.0000
Hydrocodone	2.988	1692953	2831.91	524.86	12149919	10.0000
Hydromorphone	2.457	1665233	1144.78	11429.60	152748	10.0000
Imipramine	4.368	851975	27775.91	210.66	1081254	10.0000
Ketamine	3.482	4337645	17400612.06	169.59	17918996	10.0000
Lamotrigine	3.572	406567	3413.64	164395.77	21157471	10.0000
Levamisole	2.932	2818464	7752.26	1274.58	27514051	10.0000
Levetiracetam	2.659	1620912	397.34	1275.03	21157471	10.0000
Lorazepam	4.439	852553	269.92	∞	30858322	10.0000
Maprotiline	4.415	189908	10.22	31.91	1081254	10.0000
MDA	2.979	2188639	722.49	136.35	15248217	10.0000
MDEA	3.207	3107139	336.95	308.83	15248217	10.0000
MDMA	3.055	4410225	872.04	371.77	15248217	10.0000
Meperidine	3.572	1354380	3530.29	237.64	2654708	10.0000
Meprobamate	3.652	1474210	871.20	236.92	14951599	10.0000
Methadone	4.365	1338087	146.78	217.32	1915471	10.0000
Methamphetamine	2.965	3111270	221.87	717.04	15248217	10.0000
Methocarbamol	3.573	756065	182.64	709670.25	1915471	10.0000
Methylphenidate	3.482	7750141	328.23	90.66	14854095	10.0000
Metoprolol	3.402	615860	286.03	723138.95	2654708	10.0000
Midazolam	4.760	595434	1248.72	372196.94	30858322	10.0000
Mirtazapine	3.909	1188468	11490.55	2979.00	2654708	10.0000
Mitragynine	4.175	87677	48870.14	117309.07	2654708	10.0000
Morphine	2.292	306408	∞	1652.02	152748	10.0000
Norbuprenorphine	3.792	27371	12169.62	19301.48	1159274	10.0000
Nordiazepam	4.707	2483583	731.28	563.61	30858322	10.0000
Norfentanyl	3.298	7164131	75501.25	910.77	31112345	10.0000
Norhydrocodone	2.913	48003	77.36	56.59	152748	10.0000
Norketamine	3.575	644810	188.70	22060.50	17918996	10.0000
Normeperidine	3.559	1056584	1693.11	282.22	21157471	10.0000
Noroxycodone	2.865	1316903	146.43	355.73	17918996	10.0000
Nortriptyline	4.386	162933	2303.60	60.83	1081254	10.0000
O-desmethyl-tramadol	2.899	9529492	912.23	263.39	21157471	10.0000
Olanzapine	3.321	6009	15.02	139.87	1180674	10.0000
Oxazepam	4.521	3925640	648.62	368.05	18634065	10.0000
Oxycodone	2.894	3459050	992.55	964.64	17918996	10.0000
Oxymorphone	2.332	1776968	581.52	2721.07	152748	10.0000
Paroxetine	4.316	58434	258.73	14261.57	984660	10.0000
Phenazepam	4.636	3891356	1824572.67	4411.43	30858322	10.0000
Phencyclidine	3.895	2665765	617304.38	301.28	2654708	10.0000
Phentermine	3.133	1186403	86.10	16.57	14854095	10.0000
Phenytoin	4.126	2106464	1044288.77	890.29	1180674	10.0000
Promethazine	4.306	1044274	3337.25	60.24	21157471	10.0000
Pseudoephedrine	2.690	48692440	∞	3736.11	15248217	10.0000
Quetiapine	4.436	1357488	640321.28	1256480.13	40286261	10.0000
Sertraline	4.534	156929	120484.02	1119.26	984660	10.0000
Sufentanil	4.405	29097	29759.50	64.23	31112345	10.0000
Tapentadol	3.406	4868997	681.46	313.57	17918996	10.0000
Temazepam	4.673	6745360	780.81	161.84	30858322	10.0000
Tramadol	3.402	9500971	1185.55	71.93	21157471	10.0000
Trazodone	4.559	1675271	435.62	209.56	7384695	10.0000

Cal

AM #25 Multi-Drug Screen Results

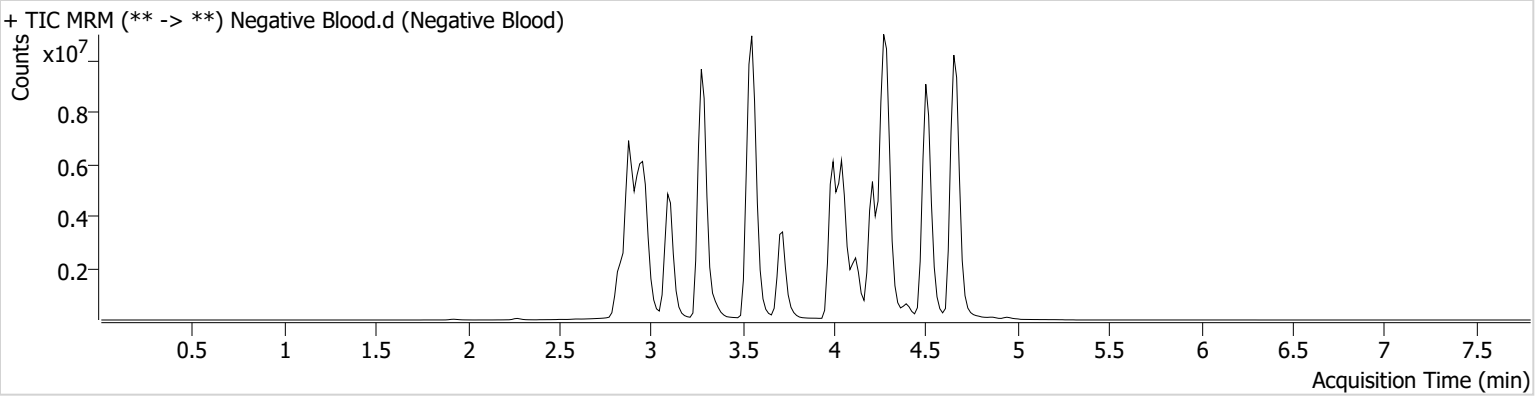
Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
Venlafaxine	3.769	5560990	1140.43	159.66	984660	10.0000
Zaleplon	4.351	3799069	2540360.60	1197.21	40286261	10.0000
Zolpidem	4.289	10909344	3793.93	3773.00	40286261	10.0000
Zopiclone	4.129	971124	902.86	363233.21	5573496	10.0000

AM #25 Multi-Drug Screen Results

Batch results	D:\MassHunter\Data\2021\AM 25-26\052421 AM 25 26 SC\QuantResults\AM 25.batch.bin
Calibration Last Update	5/25/2021 10:34:05 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	P2-C1	**Comment**	
Injection Volume	5		
Acq. Date-Time	5/24/2021 10:37:55 PM		
Sample Info.			

Sample Chromatogram



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

Extraction Date: 05/24/21 Analyst: Sarah Collins
Plate lot#: IDP-108-2-210412 Plate Expiration: 10/12/2021

Mobile phase A: ~~0.1% Formic Acid in LCMS Water~~ 10mM Ammonium Formate 01/27/2023 **Mobile phase B:** ~~0.1% Formic acid in Acetonitrile~~ 0.1% Formic Acid in Methanol 01/27/2023
Blank Blood Lot: Lampire **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: 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:

	1	2	3	4	5	6
A	IS + Cal. 1	negative blood	p2021-1170-1	p2021-1444-1	p2021-1547-1*	p2021-1547-1
B	IS + Cal. 2	m2021-1921-2	p2021-1229-2	p2021-1445-1*	p2021-1550-1	p2021-1581-1
C	IS + Cal. 3	m2021-1923-2	p2021-1411-1	p2021-1446-1	p2021-1566-1	p2021-1439-1
D	IS + Cal. 4	m2021-1946-2	p2021-1426-2	p2021-1458-1	p2021-1567-1	p2021-1445-1
E	IS + Cal. 5	m2021-1975-3	p2021-1439-1*	p2021-1508-1	p2021-1581-1*	
F	IS + Cal. 6	m2021-2086-3	p2021-1441-1	p2021-1510-1	p2021-1587-1	
G	IS + Cal. 7	m2021-2089-2*	p2021-1442-1	p2021-1533-1	p2021-1588-1	
H	IS + QC_1	p2021-0231-1	p2021-1443-1	p2021-1534-1	m2021-2089-2	

All wells to contain 100 µl of residual DMSO

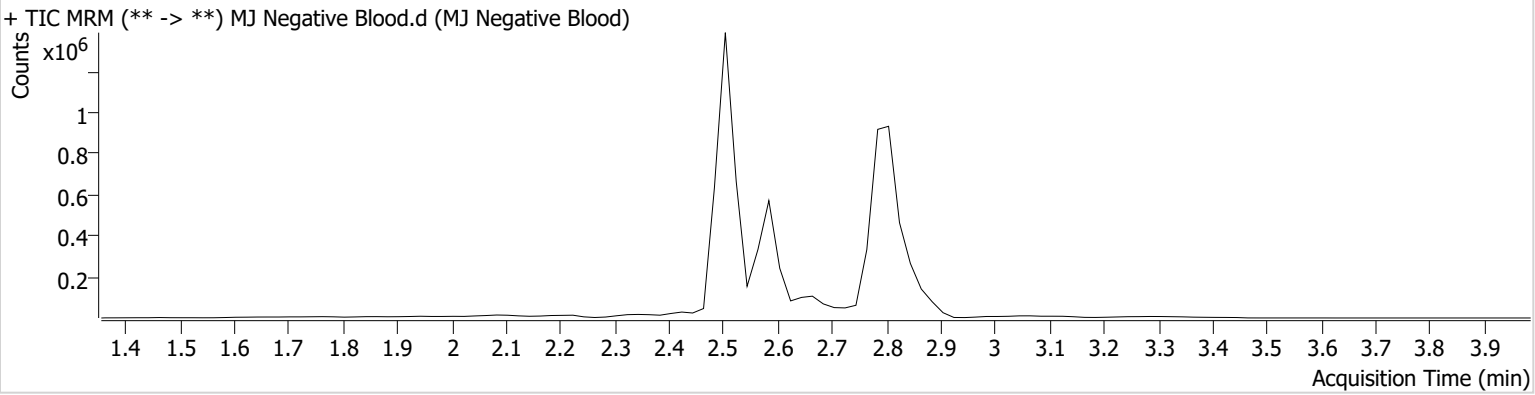
*Samples moved during analytical step 6 due to blood clot

AM #26 Cannabinoids Screen Results

Batch results	D:\MassHunter\Data\2021\AM 25-26\052421 AM 25 26 SC\QuantResults\AM 26.batch.bin
Calibration Last Update	5/25/2021 10:34:45 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	5/24/2021 6:04:24 PM		
Sample Info.			

Sample Chromatogram

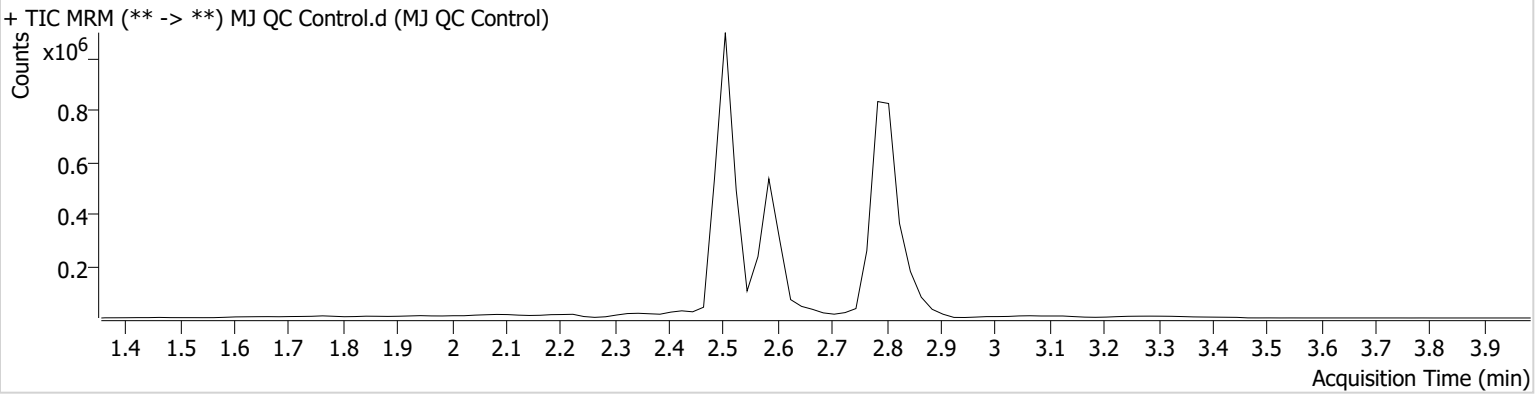


AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2021\AM 25-26\052421 AM 25 26 SC\QuantResults\AM 26.batch.bin
Calibration Last Update 5/25/2021 10:34:45 AM

Instrument	Falco (069901)	**Data File**	MJ QC Control.d
Type	Sample	**Sample**	MJ QC Control
Acq. Method	AM 26 THCS.m	**Operator**	Sarah Collins
Sample Position	P1-H1	**Comment**	
Injection Volume	10		
Acq. Date-Time	5/24/2021 5:51:20 PM		
Sample Info.			

Sample Chromatogram



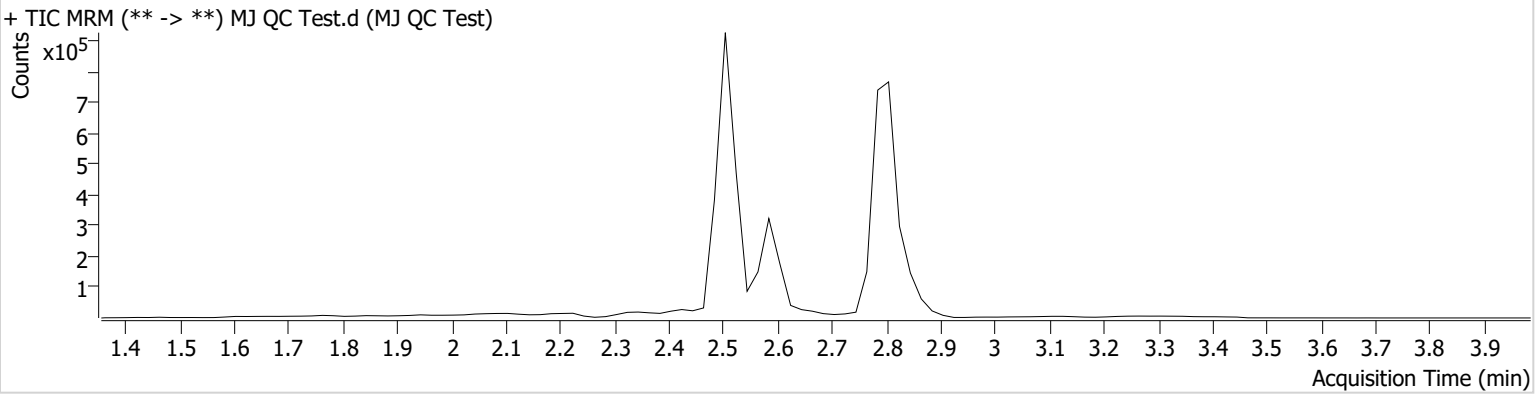
Name	RT	Resp.	ISTD Resp.	Final Conc.	
THC	2.859	6104	158419	4.6599	ng/ml
THC-COOH	2.587	164319	728805	17.2206	ng/ml
THC-OH	2.514	22756	2464936	4.9069	ng/ml

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2021\AM 25-26\052421 AM 25 26 SC\QuantResults\AM 26.batch.bin
Calibration Last Update 5/25/2021 10:34:45 AM

Instrument	Falco (069901)	**Data File**	MJ QC Test.d
Type	Sample	**Sample**	MJ QC Test
Acq. Method	AM 26 THCS.m	**Operator**	Sarah Collins
Sample Position	P1-H1	**Comment**	
Injection Volume	10		
Acq. Date-Time	5/24/2021 9:26:42 PM		
Sample Info.			

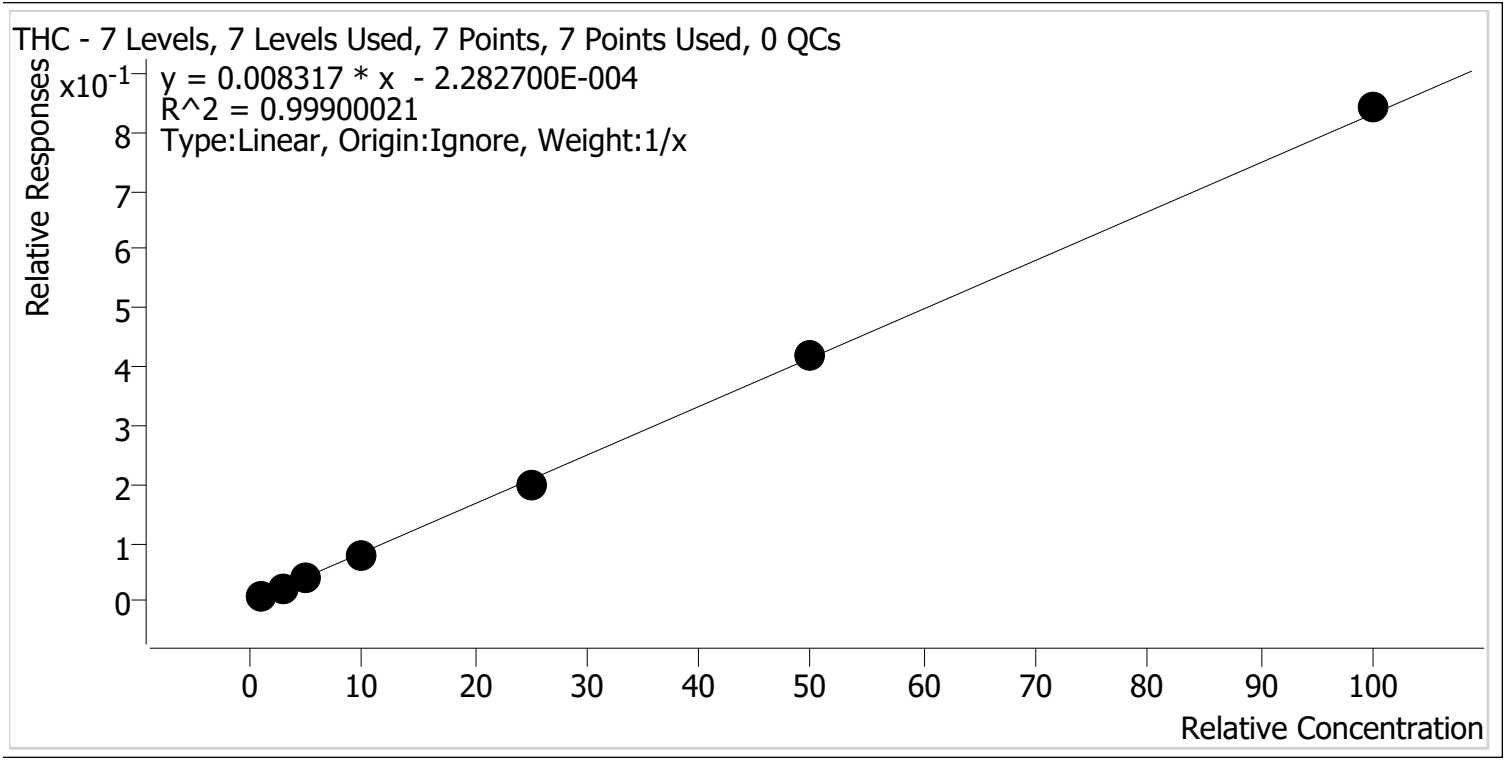
Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.	
THC	2.859	4777	98989	5.8293	ng/ml
THC-COOH	2.587	81741	444350	14.1573	ng/ml
THC-OH	2.514	17851	2059902	4.6013	ng/ml

AM #26 Cannabinoids Screen Calibration Curve Report

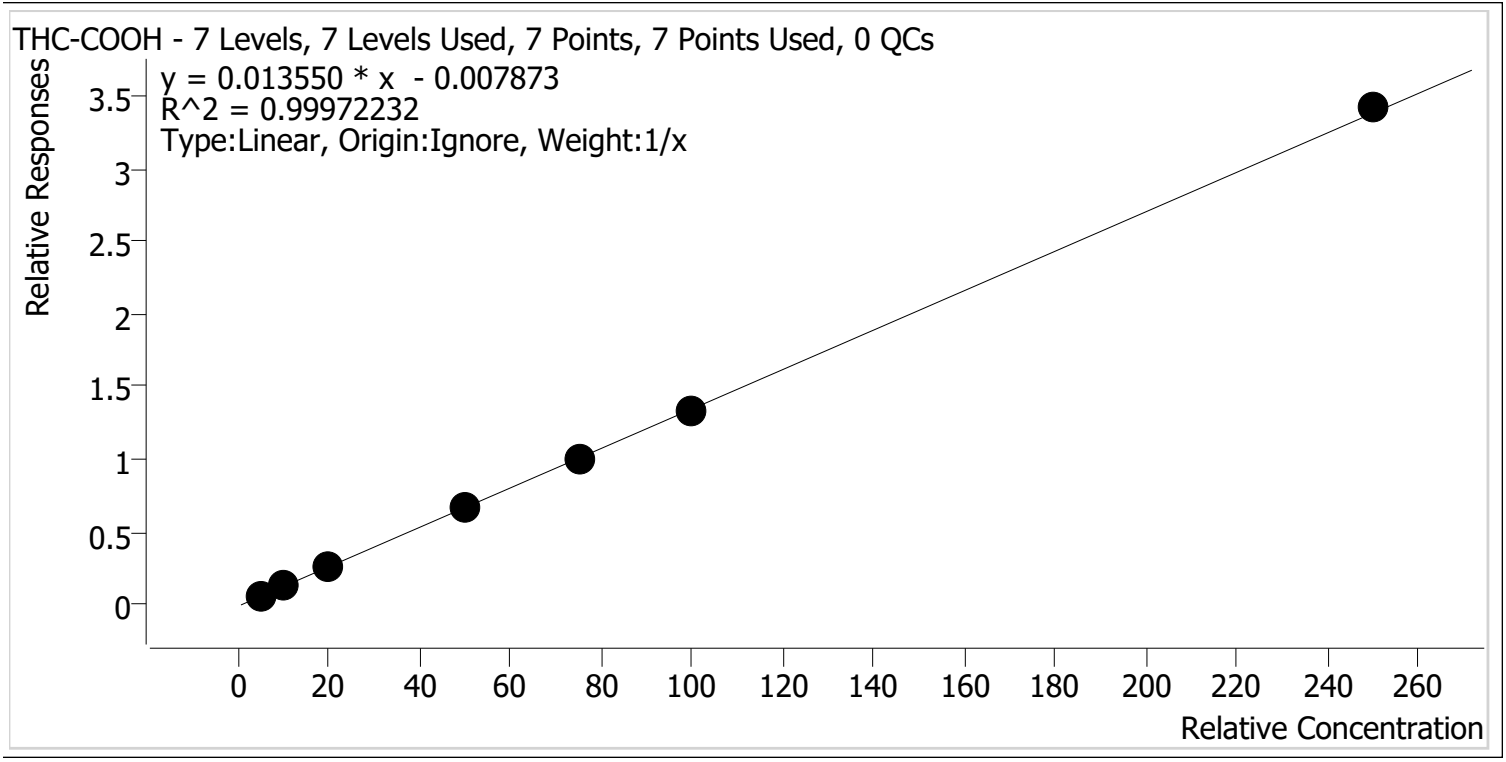
Batch results	D:\MassHunter\Data\2021\AM 25-26\052421 AM 25 26 SC\QuantResults\AM 26.batch.bin
Last Cal. Update	5/25/2021 10:34 AM
Analyst Name	ISP\datastor
Analyte	THC
Internal Standard	THC-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
MJ Cal 1	1	✔	1.0	1.2	117.7
MJ Cal 2	2	✔	3.0	2.9	97.7
MJ Cal 3	3	✔	5.0	4.7	93.1
MJ Cal 4	4	✔	10.0	9.2	92.4
MJ Cal 5	5	✔	25.0	24.2	96.7
MJ Cal 6	6	✔	50.0	50.5	101.1
MJ Cal 7	7	✔	100.0	101.3	101.3

AM #26 Cannabinoids Screen Calibration Curve Report

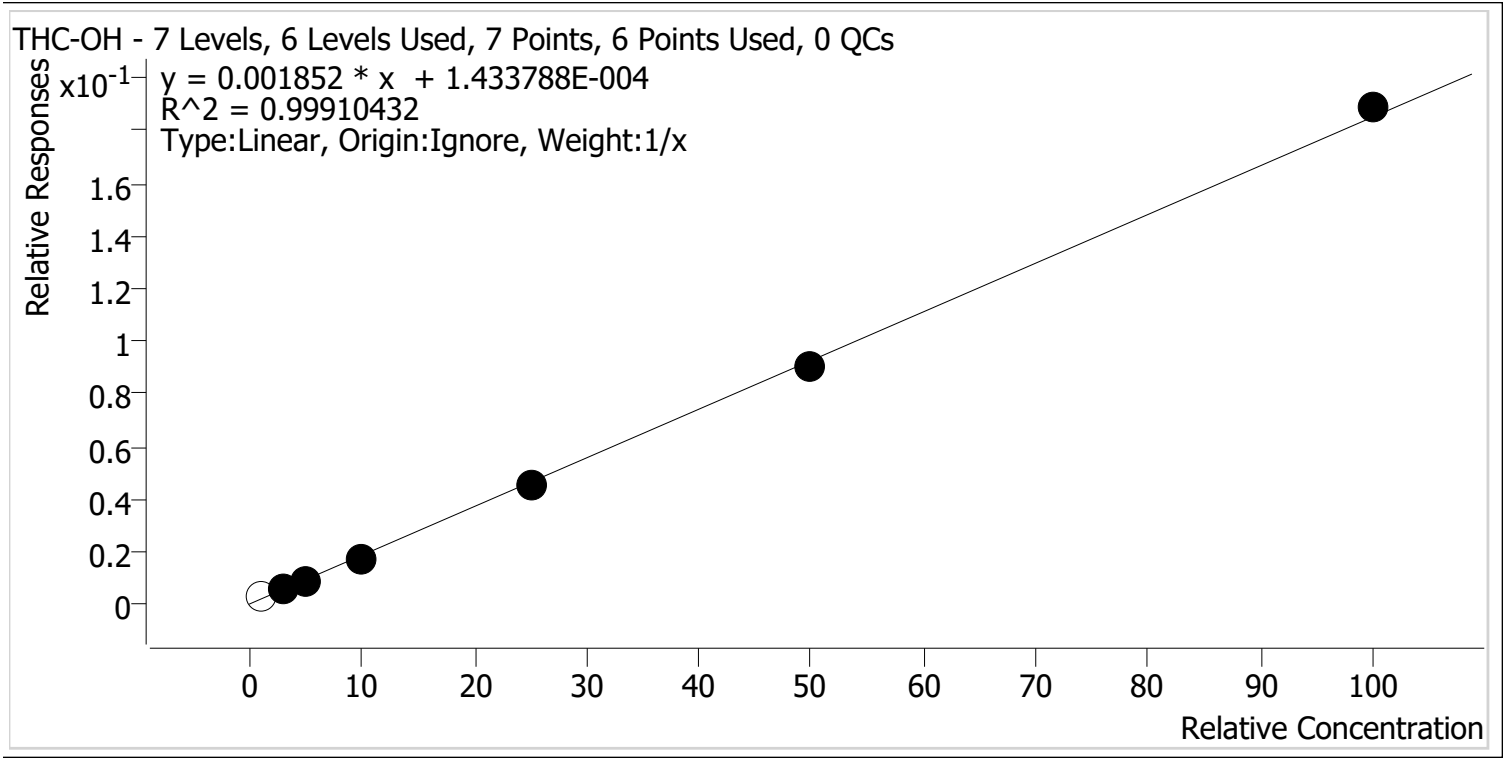
Batch results	D:\MassHunter\Data\2021\AM 25-26\052421 AM 25 26 SC\QuantResults\AM 26.batch.bin
Last Cal. Update	5/25/2021 10:34 AM
Analyst Name	ISP\datastor
Analyte	THC-COOH
Internal Standard	THC-COOH-D9



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
MJ Cal 1	1	✔	5.0	5.3	105.4
MJ Cal 2	2	✔	10.0	9.9	99.2
MJ Cal 3	3	✔	20.0	19.4	97.1
MJ Cal 4	4	✔	50.0	49.5	99.0
MJ Cal 5	5	✔	75.0	75.1	100.2
MJ Cal 6	6	✔	100.0	98.0	98.0
MJ Cal 7	7	✔	250.0	252.8	101.1

AM #26 Cannabinoids Screen Calibration Curve Report

Batch results	D:\MassHunter\Data\2021\AM 25-26\052421 AM 25 26 SC\QuantResults\AM 26.batch.bin
Last Cal. Update	5/25/2021 10:34 AM
Analyst Name	ISP\datastor
Analyte	THC-OH
Internal Standard	THC-OH-D3



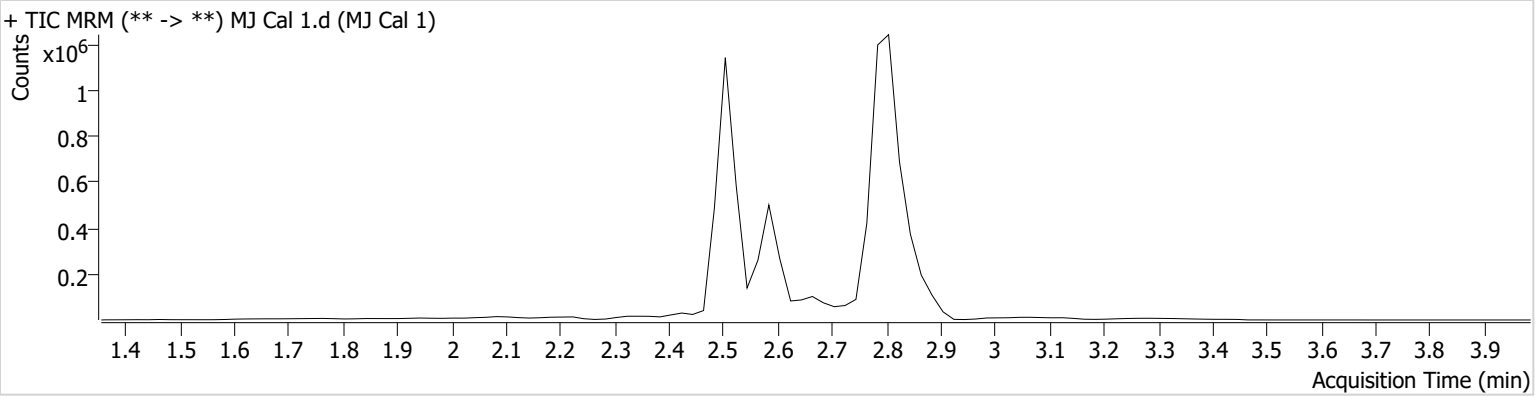
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
MJ Cal 1	1	✗	1.0	1.7	167.7
MJ Cal 2	2	✔	3.0	3.3	108.4
MJ Cal 3	3	✔	5.0	5.0	99.5
MJ Cal 4	4	✔	10.0	9.4	93.9
MJ Cal 5	5	✔	25.0	24.7	98.7
MJ Cal 6	6	✔	50.0	48.8	97.6
MJ Cal 7	7	✔	100.0	101.9	101.9

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2021\AM 25-26\052421 AM 25 26 SC\QuantResults\AM 26.batch.bin
Calibration Last Update 5/25/2021 10:34:45 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	5/24/2021 5:05:29 PM		
Sample Info.			

Sample Chromatogram



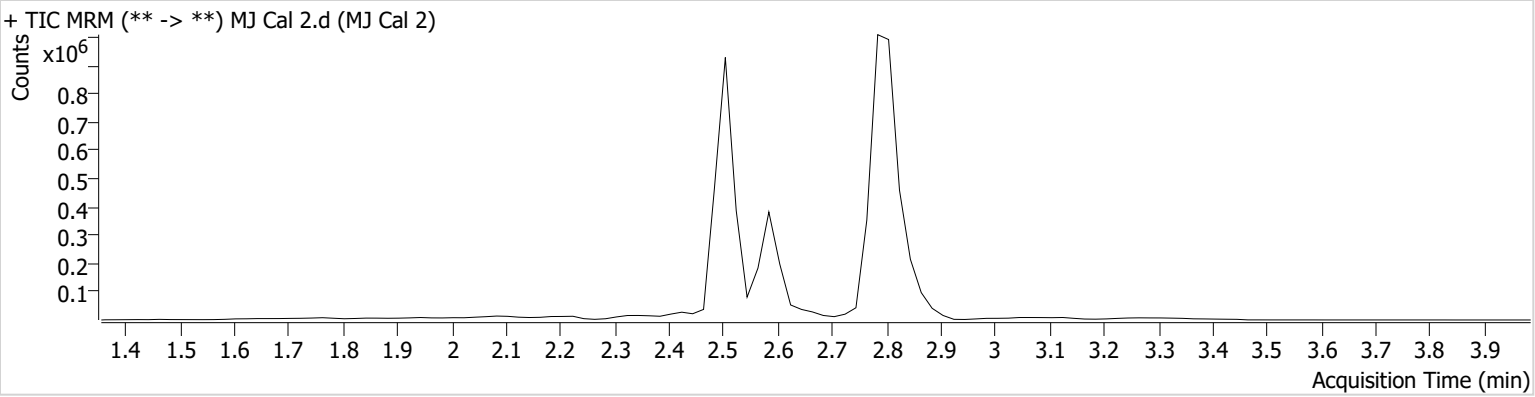
Name	RT	Resp.	ISTD Resp.	Final Conc.		
THC	2.859	2665	278582	1.1775	ng/ml	**Low**
THC-COOH	2.587	53397	840278	5.2710	ng/ml	
THC-OH	2.574	8903	2739389	1.6772	ng/ml	**Low**

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2021\AM 25-26\052421 AM 25 26 SC\QuantResults\AM 26.batch.bin
Calibration Last Update 5/25/2021 10:34:45 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	5/24/2021 5:12:11 PM		
Sample Info.			

Sample Chromatogram



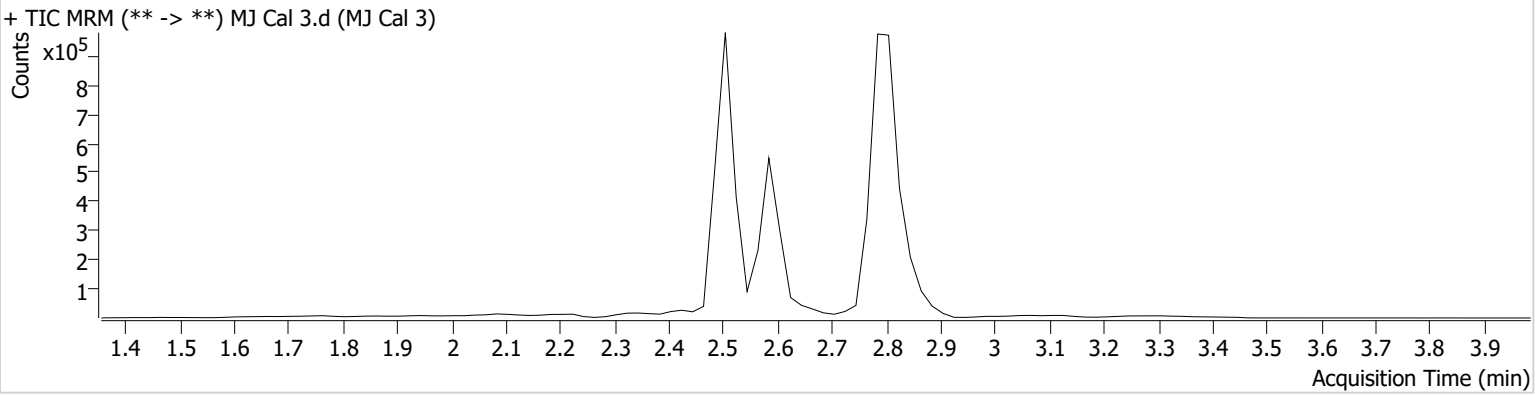
Name	RT	Resp.	ISTD Resp.	Final Conc.		
THC	2.859	4446	184076	2.9317	ng/ml	**Low**
THC-COOH	2.587	76737	606183	9.9237	ng/ml	
THC-OH	2.514	13052	2116838	3.2514	ng/ml	

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2021\AM 25-26\052421 AM 25 26 SC\QuantResults\AM 26.batch.bin
Calibration Last Update 5/25/2021 10:34:45 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	5/24/2021 5:18:43 PM		
Sample Info.			

Sample Chromatogram



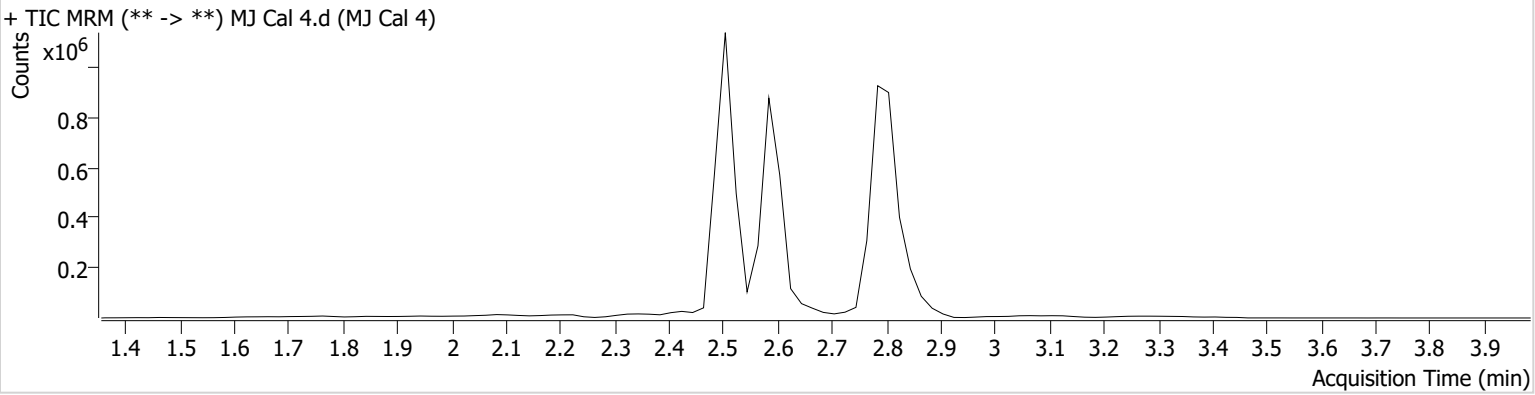
Name	RT	Resp.	ISTD Resp.	Final Conc.	
THC	2.859	7184	186625	4.6558	ng/ml
THC-COOH	2.587	182531	715250	19.4152	ng/ml
THC-OH	2.514	20543	2194945	4.9757	ng/ml

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2021\AM 25-26\052421 AM 25 26 SC\QuantResults\AM 26.batch.bin
Calibration Last Update 5/25/2021 10:34:45 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	5/24/2021 5:25:15 PM		
Sample Info.			

Sample Chromatogram



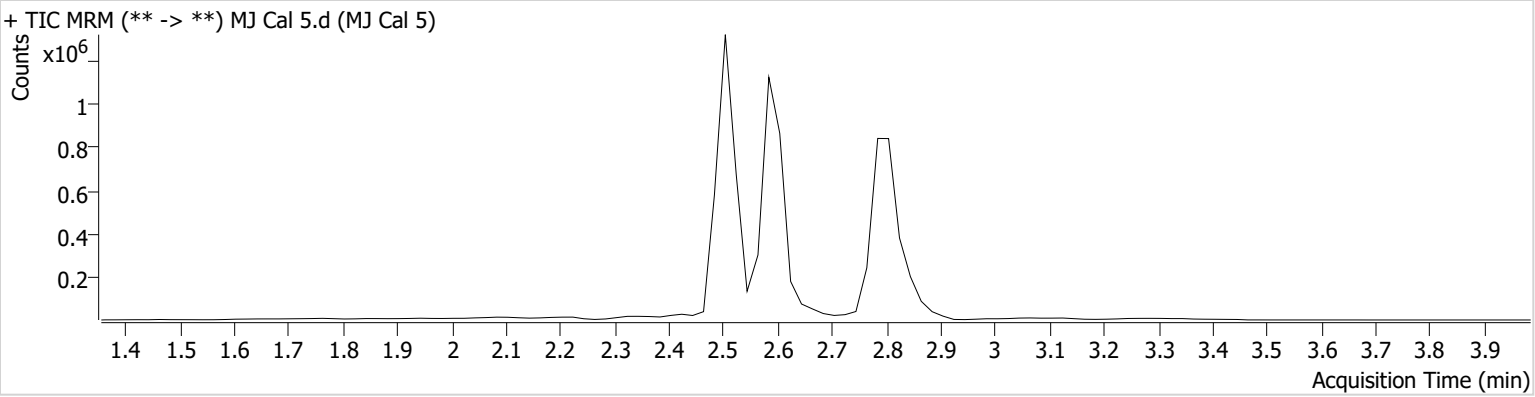
Name	RT	Resp.	ISTD Resp.	Final Conc.	
THC	2.859	12979	169429	9.2379	ng/ml
THC-COOH	2.587	497053	749935	49.4965	ng/ml
THC-OH	2.514	41866	2387272	9.3909	ng/ml

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2021\AM 25-26\052421 AM 25 26 SC\QuantResults\AM 26.batch.bin
Calibration Last Update 5/25/2021 10:34:45 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	5/24/2021 5:31:46 PM		
Sample Info.			

Sample Chromatogram



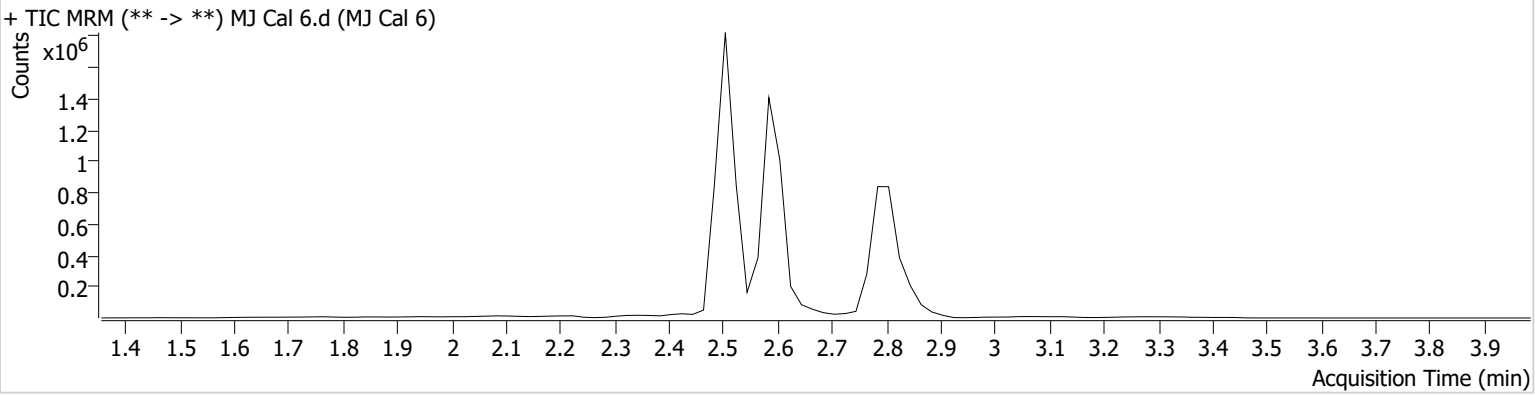
Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	2.859	31959	159200	24.1634 ng/ml
THC-COOH	2.587	761840	754359	75.1146 ng/ml
THC-OH	2.514	107071	2336001	24.6687 ng/ml

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2021\AM 25-26\052421 AM 25 26 SC\QuantResults\AM 26.batch.bin
Calibration Last Update 5/25/2021 10:34:45 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	5/24/2021 5:38:17 PM		
Sample Info.			

Sample Chromatogram



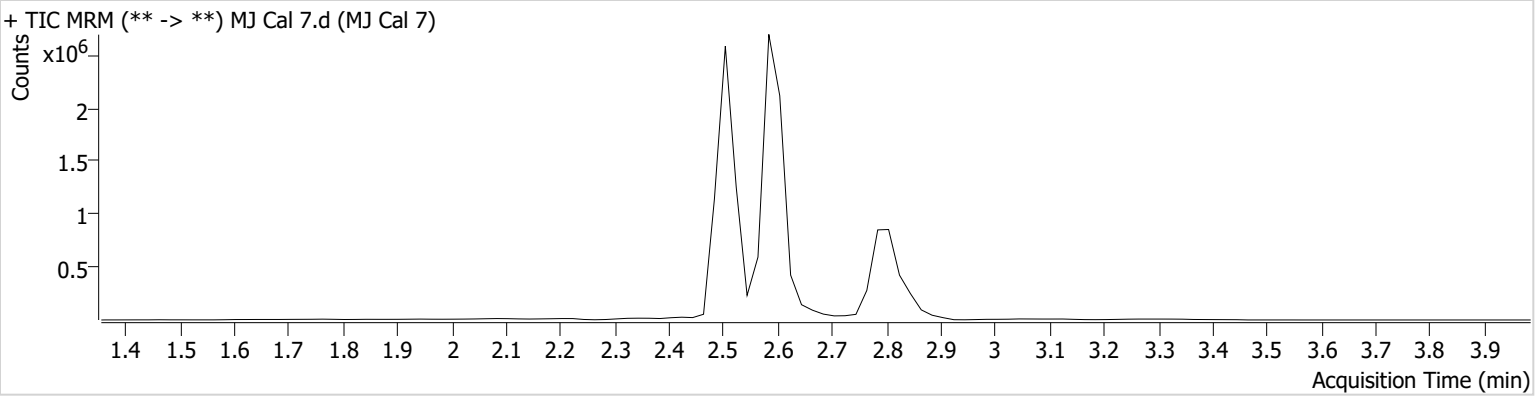
Name	RT	Resp.	ISTD Resp.	Final Conc.	
THC	2.859	65550	156004	50.5465	ng/ml
THC-COOH	2.587	994358	753158	98.0178	ng/ml
THC-OH	2.514	226750	2504098	48.8110	ng/ml

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2021\AM 25-26\052421 AM 25 26 SC\QuantResults\AM 26.batch.bin
Calibration Last Update 5/25/2021 10:34:45 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	5/24/2021 5:44:48 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.	
THC	2.859	129744	154051	101.2872	ng/ml
THC-COOH	2.587	2328620	681482	252.7613	ng/ml
THC-OH	2.514	455290	2410373	101.9023	ng/ml