REVIEWED
By Celena Shrum at 10:10 am, Apr 09, 2021

4/5/2021

Worklist: 4887

LAB_CASE	ITEM	ITEM_TYPE	DESCRIPTION
M2021-1048	2	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
M2021-1243	2	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
M2021-1291	3	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
M2021-1387	3	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2021-0875	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2021-0895	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2021-0896	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2021-0899	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2021-0906	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2021-0940	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2021-0951	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2021-0956	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2021-0957	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2021-0958	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2021-0959	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2021-0960	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2021-0962	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2021-0967	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2021-0970	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2021-0981	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2021-0987	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ

Worklist: 4887

LAB_CASE	ITEM	ITEM_TYPE	DESCRIPTION
P2021-0989	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2021-0990	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2021-0991	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2021-0992	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2021-0993	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2021-1011	3	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2021-1015	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2021-1020	2	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ

SC

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

Extraction Date: 04/05/21
Plate lot#: IDP-120-201206

Analyst: Sarah Collins
Plate Expiration: 6/6/2021

Mobile phase A: 10mM Amm Form
0.5M Ammonium Hydroxide
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. Pipette **250 µL blood (calibrated pipette)** in wells of analytical (standards) plate. **Pipette ID: #16**
☒ 3. Place on shaking incubator at ambient temp., 900 rpm for 15 minutes.
☒ 4. Pipette **250 µL of 0.5 M ammonium hydroxide** in wells of analytical plate.
☒ 5. Place on shaking incubator at ambient temp., 900 rpm for 15 minutes.
☒ 6. Transfer **300 µL of blood+base** mixture to corresponding wells of SLE+ plate.
☒ 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 **900 µL ethyl acetate.**
☒ 10. Wait 5 minutes.
☒ 11. Apply positive pressure for approx. 10-15 seconds. ***(12-15 PSI- Selector to the left).***
☒ 12. Add **900 µL ethyl acetate.**
☒ 13. Wait 5 minutes.
☒ 14. Apply positive pressure for approx. 10-15 seconds. ***(12-15 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 **100 µL 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 5 or greater or 2-5 for discretionary range.
☒ 4. Did all QCs pass for each analyte? Y / N _____
☒ 5. Central File Packet to include: LIMS Worklist, Method Checklist, Calibration and Control Reports

COMMENTS:

&C

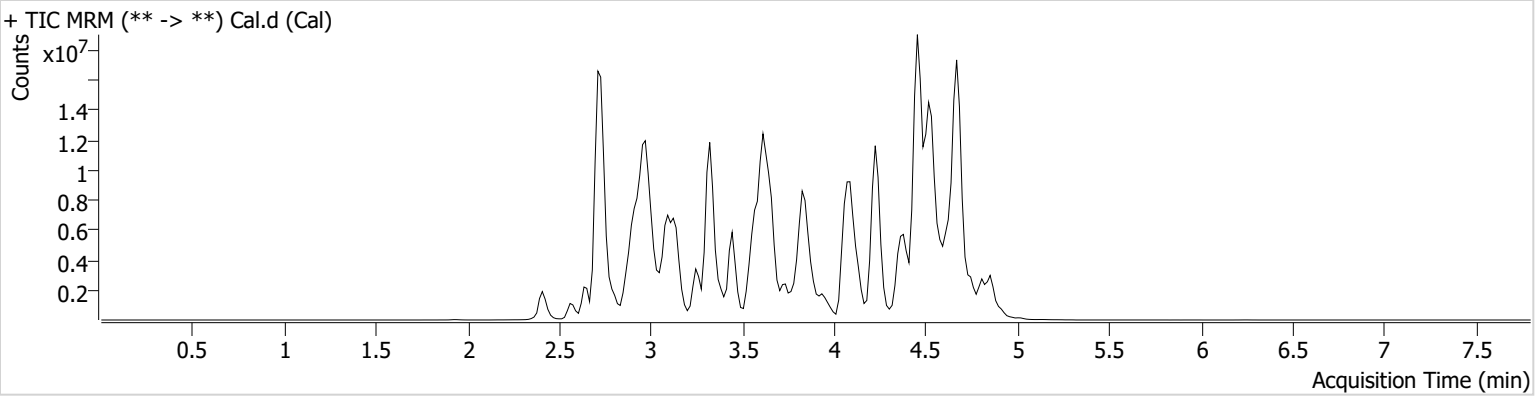
	1	2	3	4	5	6	7	8	9	10	11	12
A	IS + Cal. 1	p2021-0895-1	p2021-0958-1	p2021-0989-1								
B	IS + Cal. 1	p2021-0896-1	p2021-0959-1	p2021-0990-1								
C	negative	p2021-0899-1	p2021-0960-1	p2021-0991-1								
D	m2021-1048-2	p2021-0906-1	p2021-0962-1	p2021-0992-1								
E	m2021-1243-2	p2021-0940-1	p2021-0967-1	p2021-0993-1								
F	m2021-1291-3	p2021-0951-1	p2021-0970-1	p2021-1011-3								
G	m2021-1387-3	p2021-0956-1	p2021-0981-1	p2021-1015-1								IS + Cal. 1
H	p2021-0875-1	p2021-0957-1	p2021-0987-1	p2021-1020-2								IS + Cal. 1

AM #25 Multi-Drug Screen Results

Batch results D:\MassHunter\Data\2021\AM 25-26\040521 AM 25 26 SC\QuantResults\AM 25.batch.bin
Calibration Last Update 4/6/2021 3:26:13 PM

Instrument	Instrument 1	**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	4/5/2021 11:36:31 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
6-MAM	2.999	82821	51012.99	41331.59	2403734	10.0000
7-aminoclonazepam	3.584	2558882	1224.35	1050997.37	10973345	10.0000
7-aminoflunitrazepam	3.783	4029136	528.26	249.73	10973345	10.0000
Acetyl Fentanyl	4.025	63156	54.88	26417.49	28461202	10.0000
Acetyl Norfentanyl	2.901	434722	205.52	144.97	28461202	10.0000
a-hydroxyalprazolam	4.531	667479	709.48	4539.93	10973345	10.0000
alpha-hydroxymidazolam	4.606	3464278	333.30	127334.02	10973345	10.0000
Alpha-PHP	3.895	2145105	1903.26	1853.10	28461202	10.0000
alpha-PVP	3.621	2950124	384.31	464.51	6701917	10.0000
Alprazolam	4.626	5109091	1994.91	758.06	33018397	10.0000
Amitriptyline	4.492	119423	6.43	9.43	470785	10.0000
Amphetamine	2.905	2441451	776.77	810.51	6701917	10.0000
Benzoylecgonine	3.385	485931	5312.16	2760.28	784900	10.0000
Brompheniramine	4.072	13815	19.63	329.28	16198224	10.0000
Buprenorphine	4.969	192804	63070.34	12888.52	871078	10.0000
Bupropion	3.865	2582959	340.71	433.06	9627016	10.0000
Carbamazepine	4.250	15704294	1991.80	3218.78	1387877	10.0000
Carisoprodol	4.233	2446322	675.16	267.71	14030163	10.0000
Chlordiazepoxide	4.750	2886176	1878.40	3338.99	33018397	10.0000
Chlorpheniramine	3.984	1536514	792.51	8.57	16198224	10.0000
Citalopram	4.101	789146	317.18	1117.75	16198224	10.0000
Clomipramine	4.701	196253	32507.20	889.43	16198224	10.0000
Clonazepam	4.455	2527925	1238.30	830.46	33018397	10.0000
Clonazolam	4.375	3215430	8471.89	1136920.60	33018397	10.0000
Cocaethylene	3.826	4053606	1813131.94	1025.93	25499928	10.0000
Cocaine	3.629	4483368	3228239.31	507.88	25499928	10.0000
Codeine	2.927	521756	2695.77	656.83	12767481	10.0000
Cyclobenzaprine	4.400	201569	133.20	9.18	470785	10.0000
Desipramine	4.401	288528	154.23	84.71	470785	10.0000
Dextromethorphan	4.124	328924	127.08	137.94	1717422	10.0000
Dextrorphan	3.387	1782302	486.56	1715469.60	1717422	10.0000
Diazepam	4.859	2271772	1604.19	1641.60	33018397	10.0000
Dihydrocodeine	2.804	1346019	970.56	1085.27	12767481	10.0000
Diphenhydramine	4.064	2145863	1521.29	323.82	16198224	10.0000

AM #25 Multi-Drug Screen Results

Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
Doxepin	4.199	181982	53.54	22.09	6844443	10.0000
Doxylamine	3.662	7411953	720.55	54104.94	1717422	10.0000
EDDP	4.092	712328	592.04	741.83	1713913	10.0000
Estazolam	4.535	10926391	1511.29	17251.09	33018397	10.0000
Etizolam	4.636	648847	422539.63	1789938.66	33018397	10.0000
Fentanyl	4.254	20242	19.33	10683.63	1799813	10.0000
Flualprazolam	4.484	1887903	404.47	1248531.81	33018397	10.0000
Flunitrazepam	4.579	5818200	3015.32	3787070.97	33018397	10.0000
Fluoxetine	4.350	156284	312.13	6.63	465962	10.0000
Flurazepam	4.313	1088411	183.78	13060.83	33018397	10.0000
Hydrocodone	3.124	1865114	1768.47	381.25	12767481	10.0000
Hydromorphone	2.564	1905215	2675.92	14163.32	298189	10.0000
Imipramine	4.445	394173	501081.46	125.63	470785	10.0000
Ketamine	3.743	4422899	788.98	37.54	20153129	10.0000
Lamotrigine	3.633	382312	209.16	58379.59	16198224	10.0000
Levamisole	3.054	3070182	12183.68	288.44	25499928	10.0000
Levetiracetam	2.644	2403776	579.84	1174.27	16198224	10.0000
Lorazepam	4.439	1022189	611.42	485.47	33018397	10.0000
Maprotiline	4.492	47381	10.47	275.60	470785	10.0000
MDA	3.025	2050019	272.92	269.95	13877954	10.0000
MDEA	3.253	2791741	1336.61	642.77	13877954	10.0000
MDMA	3.101	4007129	526.45	767.26	13877954	10.0000
Meperidine	3.649	1402059	1866.64	326.55	1717422	10.0000
Meprobamate	3.668	1448500	7082.12	157.46	14030163	10.0000
Methadone	4.410	951125	40.86	178.70	1713913	10.0000
Methamphetamine	3.011	3288447	520.56	151.83	13877954	10.0000
Methocarbamol	3.573	917083	905.24	677308.60	1713913	10.0000
Methylphenidate	3.543	6396918	2109.77	649.03	12379029	10.0000
Metoprolol	3.448	544445	29990.33	434416.70	1717422	10.0000
Midazolam	4.775	529868	∞	1009.86	33018397	10.0000
Mirtazapine	4.217	905210	10630.75	1314.28	1717422	10.0000
Mitragynine	4.313	55733	27965.57	133.66	1717422	10.0000
Morphine	2.397	378254	1849.99	573.33	298189	10.0000
Norbuprenorphine	3.868	17086	7056.30	21712.70	871078	10.0000
Nordiazepam	4.707	2451857	1466.41	725.61	33018397	10.0000
Norfentanyl	3.329	6648573	4385.87	107.68	28461202	10.0000
Norhydrocodone	2.944	39768	24.01	1229.77	298189	10.0000
Norketamine	3.851	980774	316.70	1432.38	20153129	10.0000
Normeperidine	3.621	800000	152.23	469.17	16198224	10.0000
Noroxycodone	2.896	1840200	180.19	266.11	20153129	10.0000
Nortriptyline	4.448	64691	706.26	43.38	470785	10.0000
O-desmethyl-tramadol	2.930	9031178	15797.65	667.62	16198224	10.0000
Olanzapine	3.934	212326	480.27	64670.12	1387877	10.0000
Oxazepam	4.521	4971507	1745.82	452.83	21354437	10.0000
Oxycodone	2.970	4177458	704.15	1712.27	20153129	10.0000
Oxymorphone	2.408	1891108	833.64	16435.90	298189	10.0000
Paroxetine	4.377	22530	218.02	47.43	465962	10.0000
Phenazepam	4.651	4047752	5187176.72	525107.78	33018397	10.0000
Phencyclidine	3.941	1988660	654.36	183.86	1717422	10.0000
Phentermine	3.164	953748	178.12	17.80	12379029	10.0000
Phenytoin	4.141	2398220	16172.37	281.94	1387877	10.0000
Promethazine	4.429	518500	111.06	106.47	16198224	10.0000
Pseudoephedrine	2.736	46605634	10426.67	1529.73	13877954	10.0000
Quetiapine	4.665	1368710	640318.60	947230.28	38077907	10.0000
Sertraline	4.596	76117	96736.76	103.51	465962	10.0000
Sufentanil	4.665	18338	9374.58	142.66	28461202	10.0000
Tapentadol	3.453	4624548	2389.16	3326.81	20153129	10.0000
Temazepam	4.689	8511488	1717.39	286.12	33018397	10.0000
Tramadol	3.449	8511052	1405.19	234.53	16198224	10.0000
Trazodone	4.849	1476490	3157.58	572.33	6844443	10.0000

Cal

AM #25 Multi-Drug Screen Results

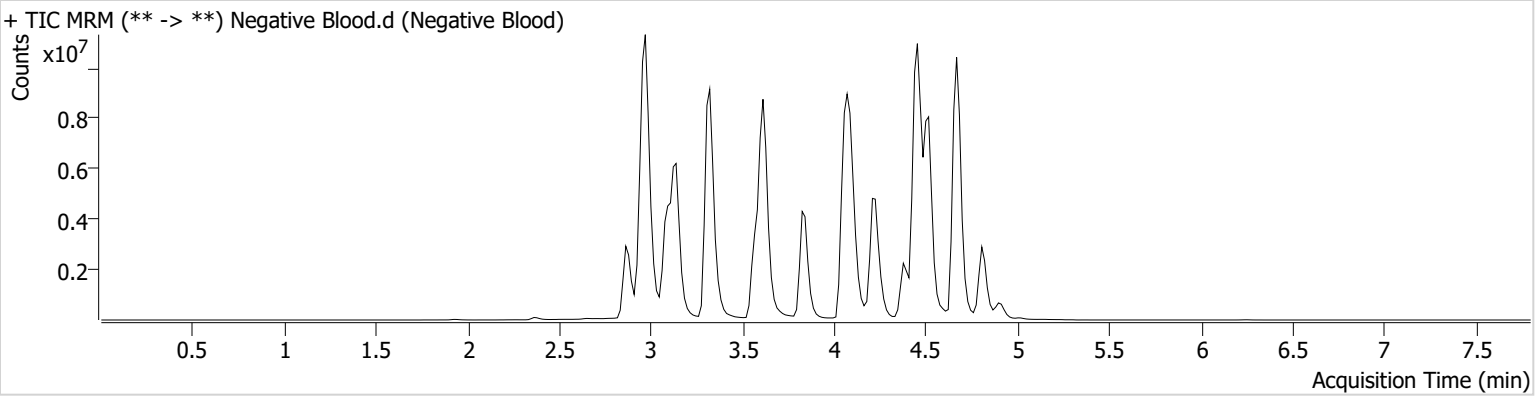
Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
Venlafaxine	3.815	4820831	9536.07	320.00	465962	10.0000
Zaleplon	4.351	5374668	2781.68	671.04	38077907	10.0000
Zolpidem	4.473	12455184	7938143.41	4691.19	38077907	10.0000
Zopiclone	4.389	1027050	754938.73	315443.15	5798218	10.0000

AM #25 Multi-Drug Screen Results

Batch results	D:\MassHunter\Data\2021\AM 25-26\040521 AM 25 26 SC\QuantResults\AM 25.batch.bin
Calibration Last Update	4/6/2021 3:26:13 PM

Instrument	Instrument 1	**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	4/5/2021 11:45:04 PM		
Sample Info.			

Sample Chromatogram



SC

AM# 26: THC and Metabolites Screen in Blood by LC-MS/MS

Extraction Date: 04/05/21 Analyst: Sarah Collins

Plate lot#: IDP-108-2-201206 Plate Expiration: 06/06/21

Mobile phase A: 10mM Ammonium Formate
0.1% Formic Acid in Water
Blank Blood Lot: Lampire 20L20724
LCMS-QQQ ID: 069901

Mobile phase B: 0.1% Formic acid in MeOH
MTBE Hexane
Column: Phenomenex Phenyl Hexyl (4.6x50mm: 2.6 um)

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. Pipette **1000 µL blood (calibrated pipette)** in wells of analytical (standards) plate. **Pipette ID: #3382167**
☒ 3. Place on shaking incubator at ambient temp., 900 rpm for 15 minutes.
☒ 4. Pipette **500 µL 0.1% formic acid** in wells of analytical plate.
☒ 5. Place on shaking incubator at ambient temp., 900 rpm for 15 minutes.
☒ 6. Transfer 8**00 µL of blood+base** mixture to corresponding wells of SLE+ plate.
☒ 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 **2.25 mL MTBE** (add in 3 increments of 750 µL).
☒ 10. Wait 5 minutes.
☒ 11. Apply positive pressure for approx. 10-15 seconds. ***(12-15 PSI- Selector to the left).***
☒ 12. Add **2.25 mL hexane** (add in 3 increments of 750 µL).
☒ 13. Wait 5 minutes.
☒ 14. Apply positive pressure for approx. 10-15 seconds. ***(12-15 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 **100 µL 100% LCMS MeOH** and heat seal plate with foil. Place in autosampler and run worklist.

Post-Analytic

☒ 1. Create batch and process data.
☒ 2. Calculated sample concentration of 3 ng/mL or greater for THC and THC-OH, a calculated sample concentration of 10 ng/mL or greater for Carboxy-THC (analyst discretion between 5-10 ng/mL).
☒ 3. Retention time within +/- 2% or +/-0.100 min whichever is greater of the average retention time of the calibrators.
☒ 4. Did all QCs pass for each analyte? Y / N
☒ 5. Central File Packet to include: LIMS Worklist, Method Checklist, Calibration and Control Reports

COMMENTS: *Case sample M2021-1243-2 was reinjected due to low internal standard response. Reinject data used. Did not evaluate THC.*

8C

	1	2	3	4	5	6
A	IS + Cal. 1	negative	p2021-0899-1	p2021-0960-1	p2021-0991-1	p2021-1015-1
B	IS + Cal. 2	m2021-1048-2*	p2021-0906-1	p2021-0962-1	p2021-0992-1	p2021-1020-2
C	IS + Cal. 3	m2021-1243-2	p2021-0940-1	p2021-0967-1	p2021-0993-1	
D	IS + Cal. 4	m2021-1291-3	p2021-0951-1	p2021-0970-1	p2021-1011-3*	
E	IS + Cal. 5	m2021-1387-3	p2021-0956-1	p2021-0981-1	p2021-1015-1*	
F	IS + Cal. 6	p2021-0875-1	p2021-0957-1	p2021-0987-1	p2021-1020-2*	
G	IS + Cal. 7	p2021-0895-1	p2021-0958-1	p2021-0989-1	m2021-1048-2	
H	IS + QC_1	p2021-0896-1	p2021-0959-1	p2021-0990-1	p2021-1011-3	

All wells to contain 100 µl of residual DMSO

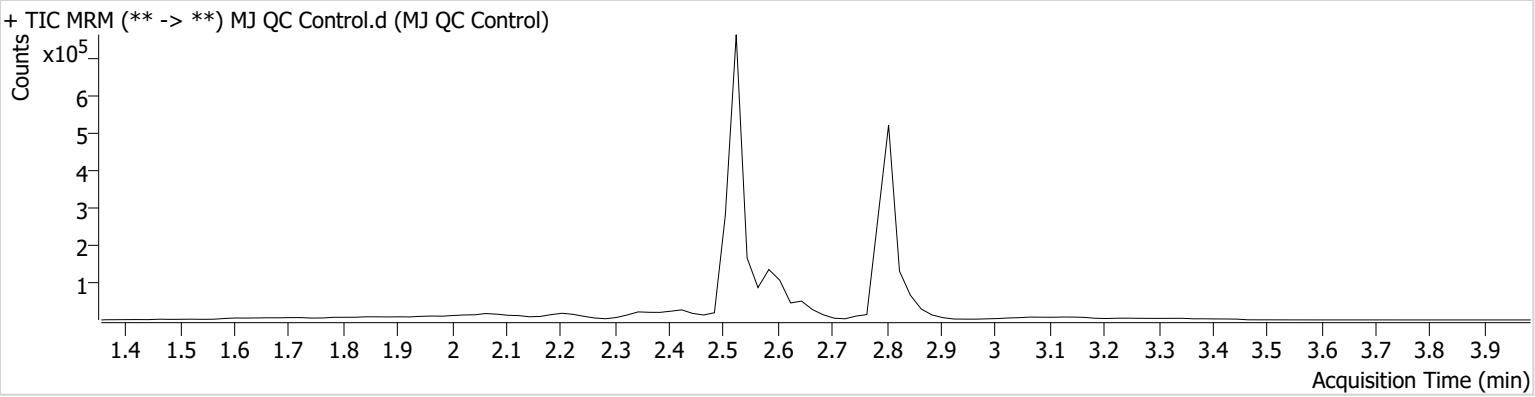
*Samples moved during analytical step 6 due to blood clot

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2021\AM 25-26\040521 AM 25 26 SC\QuantResults\AM 26.batch.bin
Calibration Last Update 4/6/2021 1:28:18 PM

Instrument	Instrument 1	**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	4/5/2021 4:01:05 PM		
Sample Info.			

Sample Chromatogram



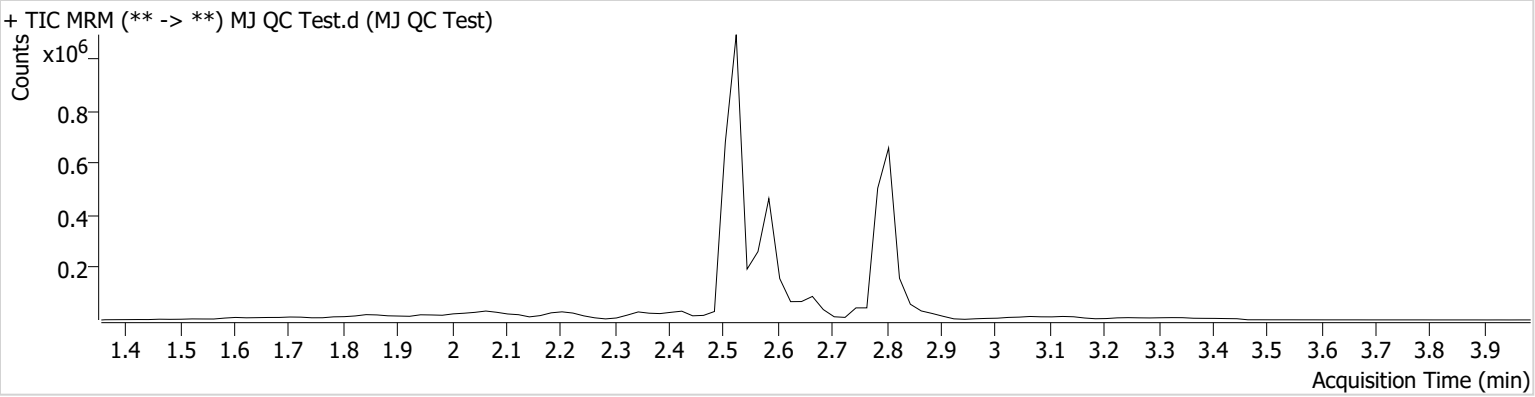
Name	RT	Resp.	ISTD Resp.	Final Conc.	
THC-COOH	2.587	61983	175990	27.3390	ng/ml
THC-OH	2.534	8683	1390861	3.7085	ng/ml

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2021\AM 25-26\040521 AM 25 26 SC\QuantResults\AM 26.batch.bin
Calibration Last Update 4/6/2021 1:28:18 PM

Instrument	Instrument 1	**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	4/5/2021 10:33:56 PM		
Sample Info.			

Sample Chromatogram



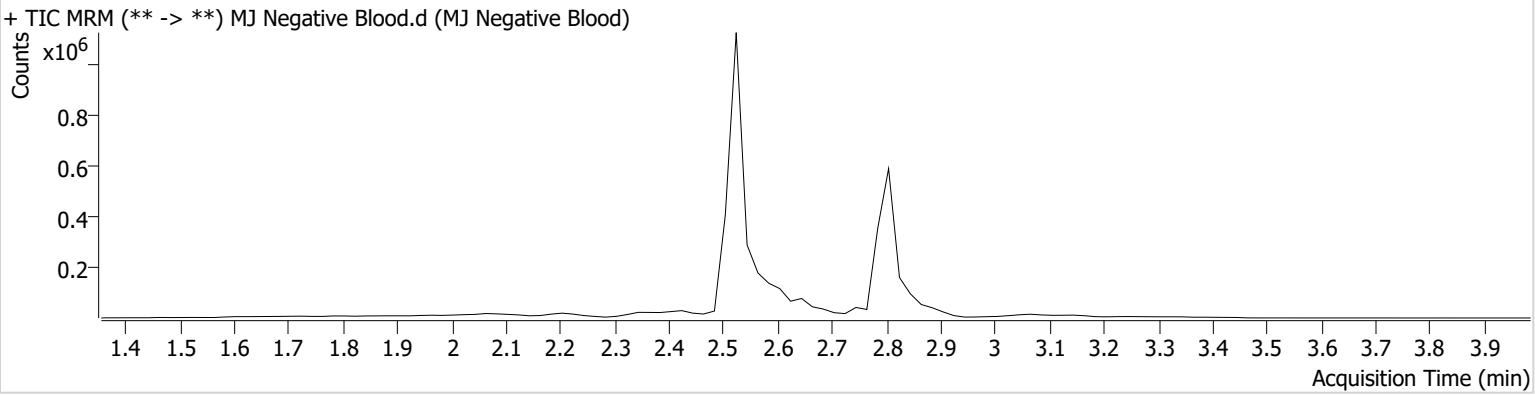
Name	RT	Resp.	ISTD Resp.	Final Conc.	
THC	2.839	2177	18186	6.9200	ng/ml
THC-COOH	2.607	62720	655577	7.4879	ng/ml
THC-OH	2.534	13663	2202249	3.6835	ng/ml

AM #26 Cannabinoids Screen Results

Batch results	D:\MassHunter\Data\2021\AM 25-26\040521 AM 25 26 SC\QuantResults\AM 26.batch.bin
Calibration Last Update	4/6/2021 1:28:18 PM

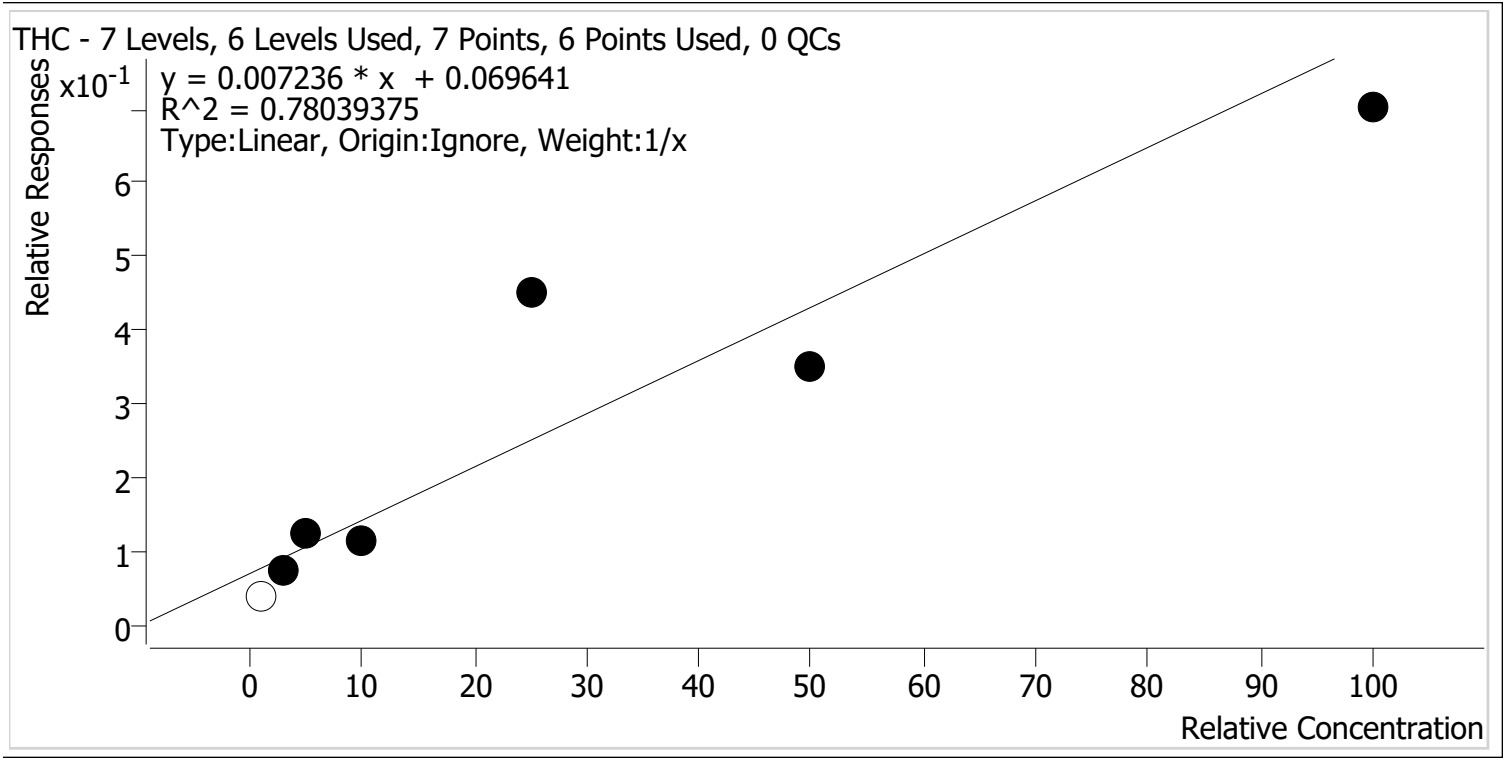
Instrument	Instrument 1	**Data File**	MJ Negative Blood.d
Type	Sample	**Sample**	MJ Negative Blood
Acq. Method	AM 26 THCS.m	**Operator**	Sarah Collins
Sample Position	P1-A2	**Comment**	
Injection Volume	10		
Acq. Date-Time	4/5/2021 4:14:10 PM		
Sample Info.			

Sample Chromatogram



AM #26 Cannabinoids Screen Calibration Curve Report

Batch results	D:\MassHunter\Data\2021\AM 25-26\040521 AM 25 26 SC\QuantResults\AM 26.batch.bin
Last Cal. Update	4/6/2021 1:28 PM
Analyst Name	ISP\Datastor
Analyte	THC
Internal Standard	THC-D3

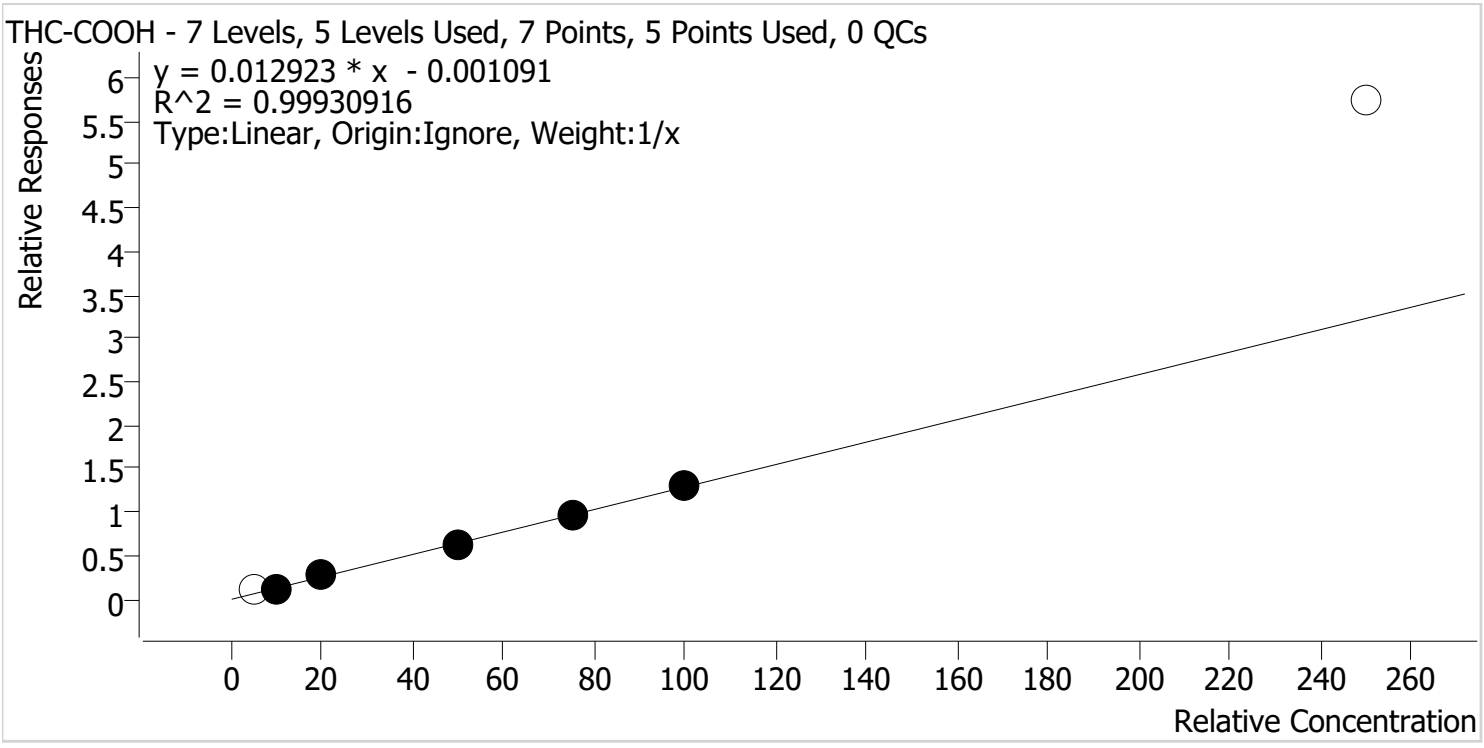


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
MJ Cal 1	1	✗	1.0	0.0	0.0
MJ Cal 2	2	✔	3.0	0.4	12.0
MJ Cal 3	3	✔	5.0	7.4	148.9
MJ Cal 4	4	✔	10.0	6.3	63.2
MJ Cal 5	5	✔	25.0	52.8	211.2
MJ Cal 6	6	✔	50.0	38.7	77.4
MJ Cal 7	7	✔	100.0	87.4	87.4

***Did not evaluate THC in this batch

AM #26 Cannabinoids Screen Calibration Curve Report

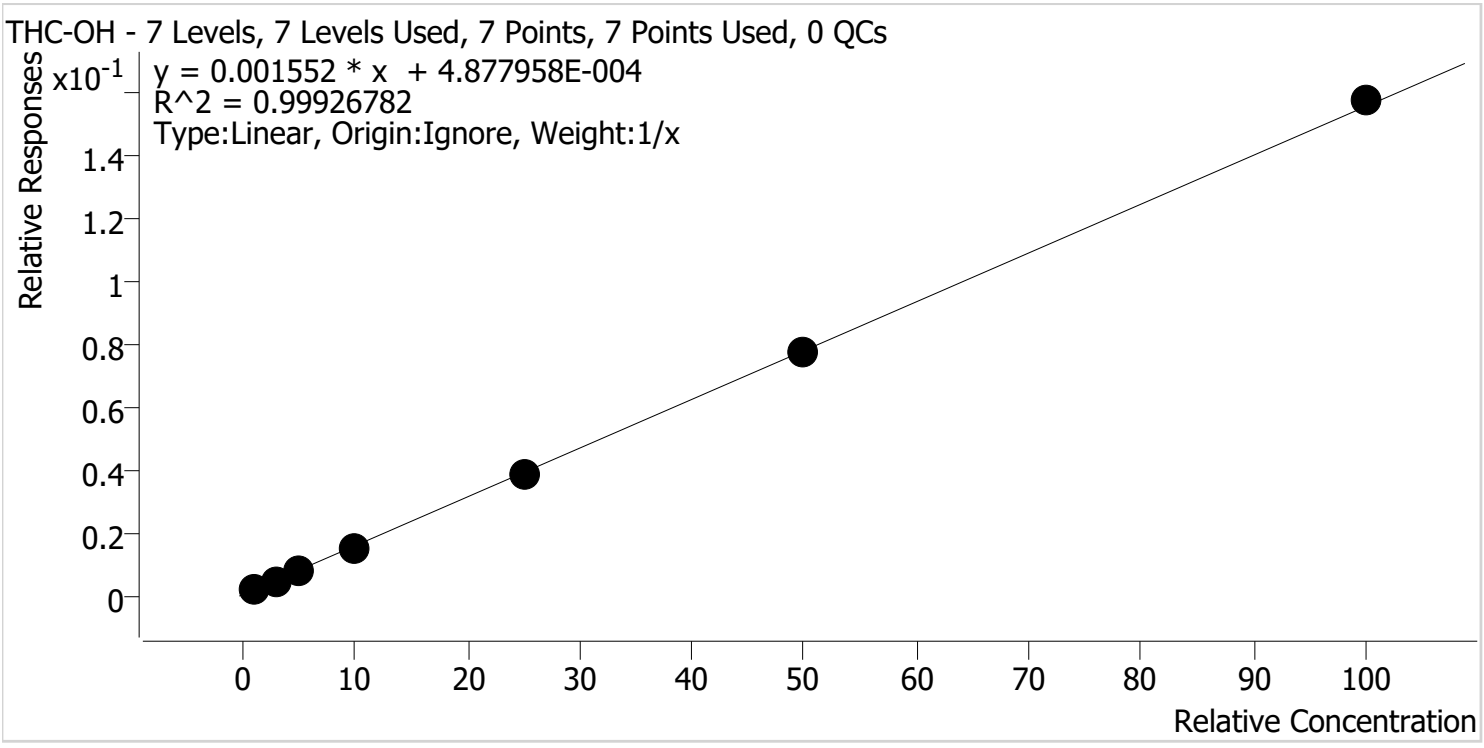
Batch results	D:\MassHunter\Data\2021\AM 25-26\040521 AM 25 26 SC\QuantResults\AM 26.batch.bin
Last Cal. Update	4/6/2021 1:28 PM
Analyst Name	ISP\Datastor
Analyte	THC-COOH
Internal Standard	THC-COOH-D9



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
MJ Cal 1	1	✗	5.0	9.5	189.7
MJ Cal 2	2	✔	10.0	9.6	96.2
MJ Cal 3	3	✔	20.0	21.1	105.3
MJ Cal 4	4	✔	50.0	49.4	98.8
MJ Cal 5	5	✔	75.0	74.3	99.1
MJ Cal 6	6	✔	100.0	100.6	100.6
MJ Cal 7	7	✗	250.0	443.8	177.5

AM #26 Cannabinoids Screen Calibration Curve Report

Batch results	D:\MassHunter\Data\2021\AM 25-26\040521 AM 25 26 SC\QuantResults\AM 26.batch.bin
Last Cal. Update	4/6/2021 1:28 PM
Analyst Name	ISP\Datastor
Analyte	THC-OH
Internal Standard	THC-OH-D3



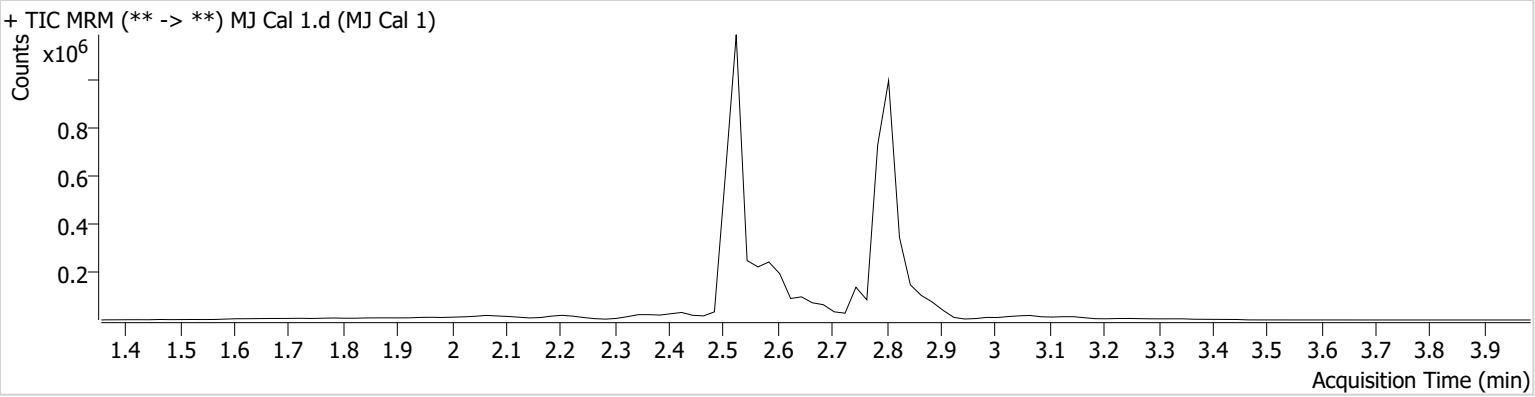
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
MJ Cal 1	1	✔	1.0	1.2	119.7
MJ Cal 2	2	✔	3.0	2.6	87.0
MJ Cal 3	3	✔	5.0	4.8	96.4
MJ Cal 4	4	✔	10.0	9.7	97.4
MJ Cal 5	5	✔	25.0	24.7	98.8
MJ Cal 6	6	✔	50.0	49.8	99.5
MJ Cal 7	7	✔	100.0	101.2	101.2

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2021\AM 25-26\040521 AM 25 26 SC\QuantResults\AM 26.batch.bin
Calibration Last Update 4/6/2021 1:28:18 PM

Instrument	Instrument 1	**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	4/5/2021 3:15:15 PM		
Sample Info.			

Sample Chromatogram



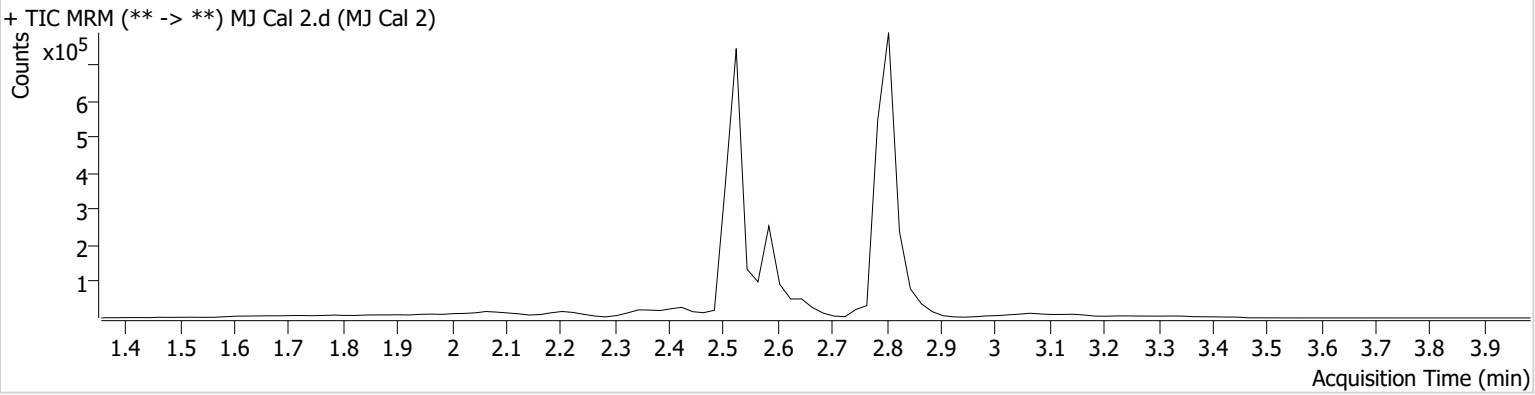
Name	RT	Resp.	ISTD Resp.	Final Conc.		
THC-COOH	2.587	53098	437010	9.4868	ng/ml	
THC-OH	2.534	5586	2381636	1.1969	ng/ml	**Low**

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2021\AM 25-26\040521 AM 25 26 SC\QuantResults\AM 26.batch.bin
Calibration Last Update 4/6/2021 1:28:18 PM

Instrument	Instrument 1	**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	4/5/2021 3:21:56 PM		
Sample Info.			

Sample Chromatogram



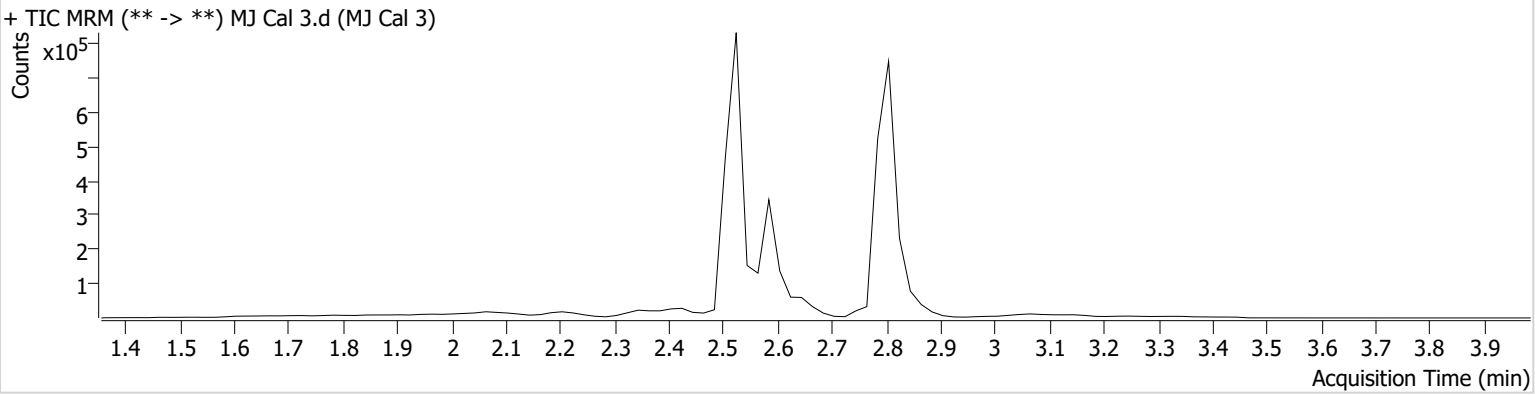
Name	RT	Resp.	ISTD Resp.	Final Conc.		
THC	2.859	1541	21335	0.3608	ng/ml	**Low**
THC-COOH	2.587	45458	368877	9.6207	ng/ml	
THC-OH	2.534	6434	1417631	2.6104	ng/ml	**Low**

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2021\AM 25-26\040521 AM 25 26 SC\QuantResults\AM 26.batch.bin
Calibration Last Update 4/6/2021 1:28:18 PM

Instrument	Instrument 1	**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	4/5/2021 3:28:28 PM		
Sample Info.			

Sample Chromatogram



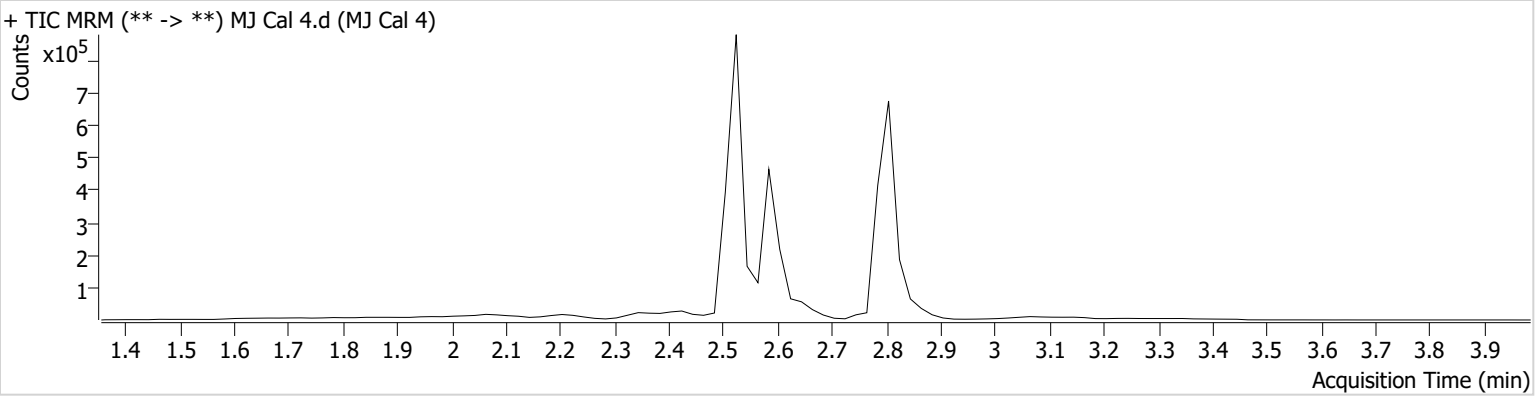
Name	RT	Resp.	ISTD Resp.	Final Conc.	
THC	2.859	2669	21611	7.4433	ng/ml
THC-COOH	2.587	108456	400186	21.0566	ng/ml
THC-OH	2.534	12759	1601291	4.8203	ng/ml

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2021\AM 25-26\040521 AM 25 26 SC\QuantResults\AM 26.batch.bin
Calibration Last Update 4/6/2021 1:28:18 PM

Instrument	Instrument 1	**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	4/5/2021 3:35:00 PM		
Sample Info.			

Sample Chromatogram



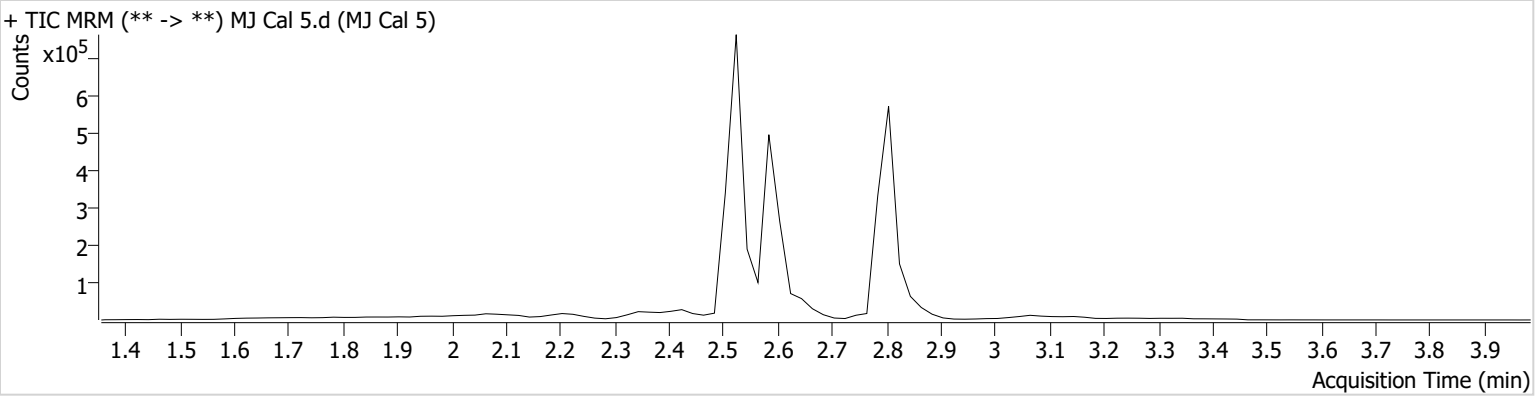
Name	RT	Resp.	ISTD Resp.	Final Conc.	
THC	2.879	2294	19886	6.3188	ng/ml
THC-COOH	2.587	224746	352535	49.4179	ng/ml
THC-OH	2.534	23405	1500042	9.7402	ng/ml

AM #26 Cannabinoids Screen Results

Batch results	D:\MassHunter\Data\2021\AM 25-26\040521 AM 25 26 SC\QuantResults\AM 26.batch.bin
Calibration Last Update	4/6/2021 1:28:18 PM

Instrument	Instrument 1	**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	4/5/2021 3:41:31 PM		
Sample Info.			

Sample Chromatogram



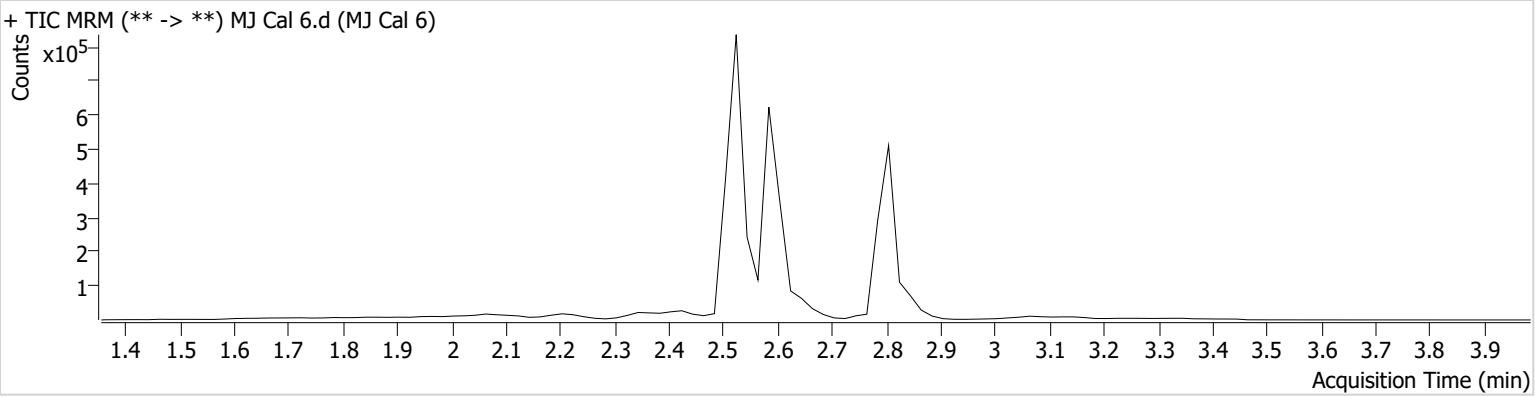
Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	2.859	8607	19059	52.7882 ng/ml
THC-COOH	2.587	277283	289085	74.3093 ng/ml
THC-OH	2.534	50037	1289316	24.6941 ng/ml

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2021\AM 25-26\040521 AM 25 26 SC\QuantResults\AM 26.batch.bin
Calibration Last Update 4/6/2021 1:28:18 PM

Instrument	Instrument 1	**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	4/5/2021 3:48:02 PM		
Sample Info.			

Sample Chromatogram



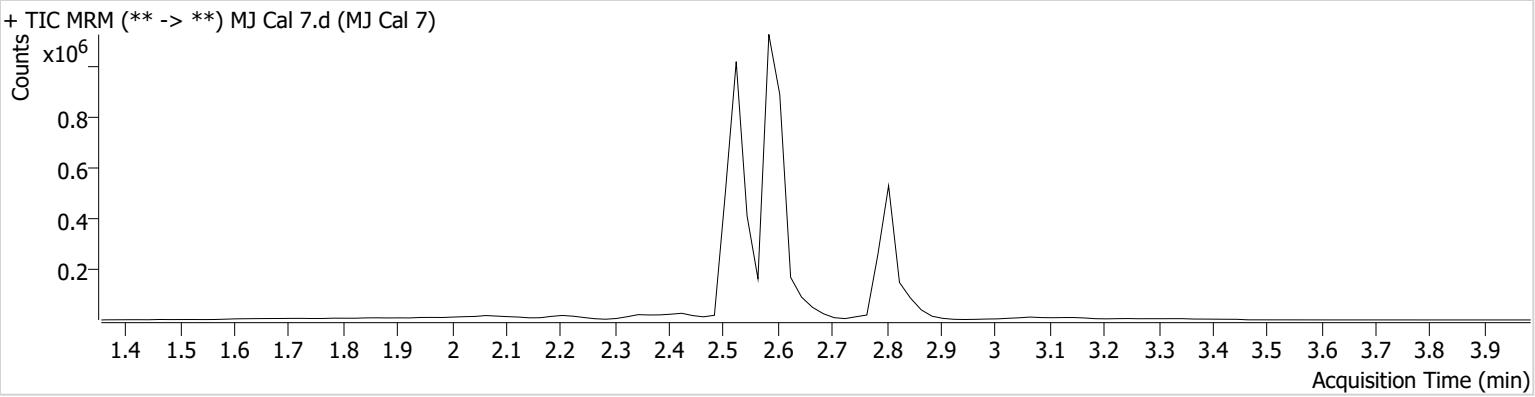
Name	RT	Resp.	ISTD Resp.	Final Conc.	
THC	2.859	12876	36843	38.6755	ng/ml
THC-COOH	2.587	384237	295826	100.5956	ng/ml
THC-OH	2.534	99289	1277516	49.7686	ng/ml

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2021\AM 25-26\040521 AM 25 26 SC\QuantResults\AM 26.batch.bin
Calibration Last Update 4/6/2021 1:28:18 PM

Instrument	Instrument 1	**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	4/5/2021 3:54:34 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.	
THC	2.859	27534	39213	87.4133	ng/ml
THC-COOH	2.587	976535	170319	443.7718	ng/ml
THC-OH	2.534	210020	1333579	101.1693	ng/ml