

REVIEWED

By Sarah Collins at 11:57 am, Mar 17, 2021









3/10/2021

cg

Worklist: 4835

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
M2020-4046	2	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2021-0606	2	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2021-0686	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2021-0760	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2021-0763	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2021-0883	3	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2021-0886	2	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2021-0916	2	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2021-0932	2	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2021-0938	3	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2021-0957	2	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-0567	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-0570	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-0571	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-0572	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-0573	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-0585	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-0586	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-0587	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-0598	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-0599	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	

Worklist: 4835

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
P2021-0600	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-0601	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-0602	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-0603	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-0604	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-0610	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-0642	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-0645	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: 03/10/2021

Plate lot#: 201206

Mobile phase A: 10mM Amm Form
Instant Buffer I

Blank Blood Lot: Lampire 20L20724

LCMS-QQQ ID: 069901

Analyst: Celena Shrum

Plate Expiration: 06/06/2021

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. Using a calibrated pipette, pipette **250µL blood** into wells of analytical (standards) plate. **Pipette ID: 42**
- 3. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- 4. Pipette **250µL 0.5 M ammonium hydroxide** in wells of analytical plate.
- 5. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- 6. Transfer **200-450µL of blood+base and** mixture to corresponding wells of SLE+ plate.
Amount transferred: 300µl
- 7. Apply positive pressure for approx. 10-15 seconds (or until no liquid remains on top of sorbent).
(Load at 85-100 PSI- Selector to the right). Manifold ID: 067104
- 8. Wait 5 minutes.
- 9. Add **900uL ethyl acetate**.
- 10. Wait 5 minutes.
- 11. Apply positive pressure for approx. 15 seconds. *(10-15 PSI- Selector to the left).*
- 12. Add **900uL ethyl acetate**.
- 13. Wait 5 minutes.
- 14. Apply positive pressure for approx. 15 seconds. *(10-15 PSI- Selector to the left).*
- 15. Remove plate containing eluate. Place on SPE Dry and evaporate to dryness at approx. 35°C.
- 16. 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			Cal 1	M2021-0886-2	P2021-0572-1	P2021-0601-1						
B			Neg Blood	M2021-0916-2	P2021-0573-1	P2021-0602-1						
C			M2020-4046-2	M2021-0932-2	P2021-0585-1	P2021-0603-1						
D			M2021-0606-2	M2021-0938-3	P2021-0586-1	P2021-0604-1						
E			M2021-0686-1	M2021-0957-2	P2021-0587-1	P2021-0610-1						
F			M2021-0760-1	P2021-0567-1	P2021-0598-1	P2021-0642-1						
G			M2021-0763-1	P2021-0570-1	P2021-0599-1	P2021-0645-1						
H			M2021-0883-3	P2021-0571-1	P2021-0600-1							

This plate map is designating the positions of the samples on the SLE and sample plate. The positions of the samples on the analytical plate were slightly different. The position of the calibrator was B1 and the position/order of the samples was the same except instead of them being in B3-G6, they were in B5-G8.

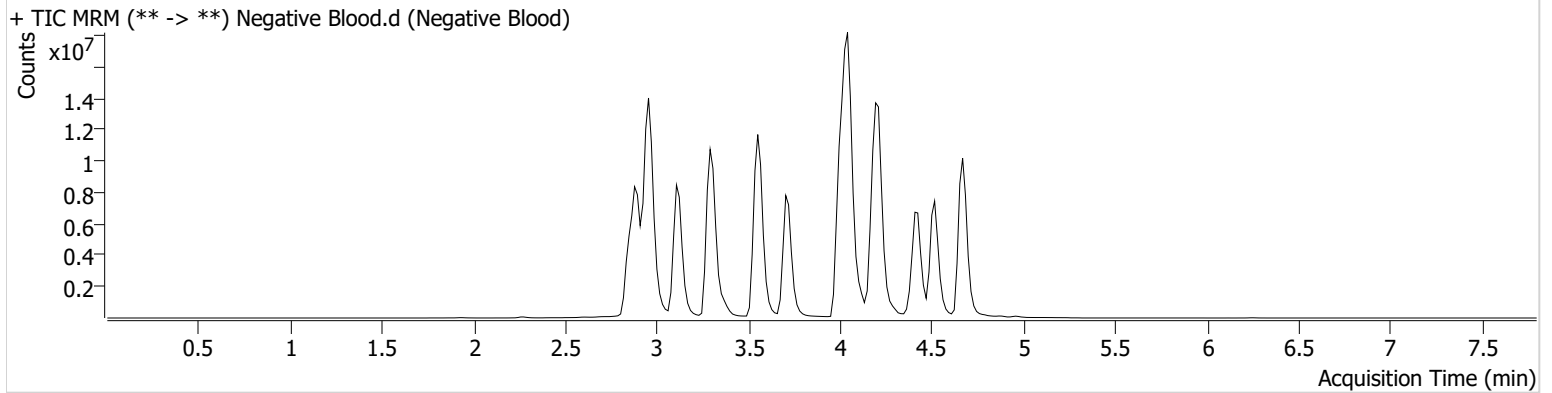
AM #25 Multi-Drug Screen Results



Batch results D:\MassHunter\Data\2021\AM 25-26\031021 AM 25 26 CS\QuantResults\AM 25 MDS CS.batch.bin
Calibration Last Update 3/16/2021 7:41:58 AM

Instrument	Instrument 1	Data File	Negative Blood.d
Type	Sample	Sample	Negative Blood
Acq. Method	AM 25 MDS.m	Operator	Celena Shrum
Sample Position	P2-B3	Comment	
Injection Volume	5		
Acq. Date-Time	3/10/2021 10:06:00 PM		
Sample Info.			

Sample Chromatogram



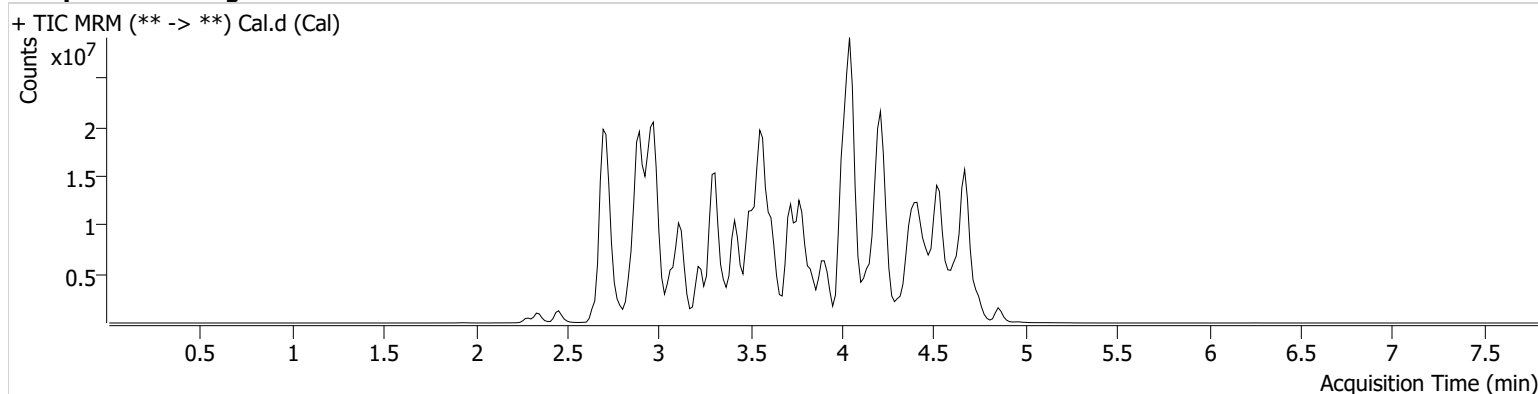
AM #25 Multi-Drug Screen Results



Batch results D:\MassHunter\Data\2021\AM 25-26\031021 AM 25 26 CS\QuantResults\AM 25 MDS CS.batch.bin
Calibration Last Update 3/16/2021 7:41:58 AM

Instrument	Instrument 1	Data File	Cal.d
Type	Cal	Sample	Cal
Acq. Method	AM 25 MDS.m	Operator	Celena Shrum
Sample Position	P2-A3	Comment	
Injection Volume	5		
Acq. Date-Time	3/10/2021 9:57:26 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
6-MAM	2.892	89153	20733.94	23236.09	2556899	10.0000
7-aminoclonazepam	3.569	1721233	283.87	296.30	6991876	10.0000
7-aminoflunitrazepam	3.783	2669033	437.85	886.75	6991876	10.0000
Acetyl Fentanyl	3.810	482425	432.68	132701.22	38969009	10.0000
Acetyl Norfentanyl	2.886	577433	1602.93	217.03	38969009	10.0000
a-hydroxyalprazolam	4.531	652511	603.17	189426.92	6991876	10.0000
alpha-hydroxymidazolam	4.591	3650695	3064.64	14378.37	6991876	10.0000
Alpha-PHP	3.788	5681676	46159.26	16229.34	38969009	10.0000
alpha-PVP	3.513	7573373	2104.04	663.42	14478792	10.0000
Alprazolam	4.626	5031311	1612.69	661.65	31810098	10.0000
Amitriptyline	4.415	621598	65.92	160.35	2708844	10.0000
Amphetamine	2.890	5975669	3142.39	6133.35	14478792	10.0000
Benzoylcegonine	3.385	425650	2087.35	251.96	778742	10.0000
Brompheniramine	4.010	112032	133.20	537.30	44954253	10.0000
Buprenorphine	4.450	1137503	28291.64	112744.51	4728650	10.0000
Bupropion	3.727	7968657	1654.81	1290.10	26240870	10.0000
Carbamazepine	4.250	14580072	∞	1022.93	1452480	10.0000
Carisoprodol	4.233	2107690	944221.43	418.25	13407083	10.0000
Chlordiazepoxide	4.750	1477470	191.63	1348.48	31810098	10.0000
Chlorpheniramine	3.923	9337594	4673.80	17.59	44954253	10.0000
Citalopram	4.055	3868074	275.69	415.14	44954253	10.0000
Clomipramine	4.609	597142	1764.22	2753.07	44954253	10.0000
Clonazepam	4.455	2586757	935.65	21668.74	31810098	10.0000
Clonazolam	4.375	2821109	52654.68	567435.65	31810098	10.0000
Cocaethylene	3.765	7455499	33116.96	2978.32	35476521	10.0000
Cocaine	3.552	8087341	5215877.46	364.03	35476521	10.0000
Codeine	2.790	565924	70323.89	218.39	14977991	10.0000
Cyclobenzaprine	4.339	1064104	122.89	160.66	2708844	10.0000
Desipramine	4.370	1763853	673.70	269.94	2708844	10.0000
Dextromethorphan	4.063	2509093	415.68	4248.31	12882605	10.0000
Dextrorphan	3.356	4021025	1035.18	5196.87	12882605	10.0000
Diazepam	4.858	2135155	876.27	707.99	31810098	10.0000
Dihydrocodeine	2.728	1426284	1195.88	987.02	14977991	10.0000
Diphenhydramine	4.017	11373449	1679.49	833.39	44954253	10.0000

Cal

AM #25 Multi-Drug Screen Results



Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
Doxepin	4.138	1437693	589.59	89.67	20647050	10.0000
Doxylamine	3.616	14020340	563.53	16802.69	12882605	10.0000
EDDP	4.061	1263777	410.67	179.28	2797771	10.0000
Estazolam	4.535	10858635	2031.88	871.80	31810098	10.0000
Etizolam	4.636	701415	641539.55	2794310.90	31810098	10.0000
Fentanyl	4.039	262071	77.79	105637.27	16222303	10.0000
Flualprazolam	4.484	1930530	588153.77	1201095.34	31810098	10.0000
Flunitrazepam	4.579	5292002	3045.73	1029.01	31810098	10.0000
Fluoxetine	4.319	573652	1322.02	516.38	815415	10.0000
Flurazepam	4.145	5188359	2061037.54	459.21	31810098	10.0000
Hydrocodone	2.988	2245044	3075.62	484.07	14977991	10.0000
Hydromorphone	2.457	2048606	864.12	3615.10	196509	10.0000
Imipramine	4.383	2988455	636.71	711.89	2708844	10.0000
Ketamine	3.451	6206491	537.02	436.92	21397063	10.0000
Lamotrigine	3.556	475771	1459.38	362.27	44954253	10.0000
Levamisole	2.932	4858648	1782.11	613.68	35476521	10.0000
Levetiracetam	2.659	1992518	773.96	843.52	44954253	10.0000
Lorazepam	4.455	1104721	304.27	416.60	31810098	10.0000
Maprotiline	4.415	419408	128.43	150.01	2708844	10.0000
MDA	2.994	4760350	1046.21	1499.11	34310651	10.0000
MDEA	3.223	7146308	619.59	1143.10	34310651	10.0000
MDMA	3.070	8962809	949.65	847.38	34310651	10.0000
Meperidine	3.572	3797949	779.72	992.85	12882605	10.0000
Meprobamate	3.668	1518344	906.68	128.48	13407083	10.0000
Methadone	4.380	6494030	1289.50	4623.35	2797771	10.0000
Methamphetamine	2.981	10857422	4721.30	697.38	34310651	10.0000
Methocarbamol	3.589	1063934	341.32	787.60	2797771	10.0000
Methylphenidate	3.497	16732062	797.32	1003.42	27500018	10.0000
Metoprolol	3.418	1091386	625.51	3468.82	12882605	10.0000
Midazolam	4.745	957710	2857.41	352840.93	31810098	10.0000
Mirtazapine	3.832	4524043	4036.31	7484.28	12882605	10.0000
Mitragynine	4.159	409804	62270.87	477.08	12882605	10.0000
Morphine	2.292	369955	∞	314.25	196509	10.0000
Norbuprenorphine	3.807	113845	203.99	30517.65	4728650	10.0000
Nordiazepam	4.707	2763028	1801.55	1083.37	31810098	10.0000
Norfentanyl	3.313	11389939	543.93	4359.10	38969009	10.0000
Norhydrocodone	2.913	68956	1087.52	31.43	196509	10.0000
Norketamine	3.514	1117665	383.83	10291.68	21397063	10.0000
Normeperidine	3.574	3798608	3935.29	495.34	44954253	10.0000
Noroxycodone	2.881	1429887	224.98	101.61	21397063	10.0000
Nortriptyline	4.402	326665	305385.98	60.36	2708844	10.0000
O-desmethyl-tramadol	2.899	11852998	26717.74	274.60	44954253	10.0000
Olanzapine	3.750	907607	438787.10	176.83	1452480	10.0000
Oxazepam	4.521	4673444	1334.32	468.07	21276897	10.0000
Oxycodone	2.909	4690834	865.18	631.14	21397063	10.0000
Oxymorphone	2.332	2057062	317.72	330.15	196509	10.0000
Paroxetine	4.331	80486	100.49	896.63	815415	10.0000
Phenazepam	4.651	4286899	2105807.04	34317.89	31810098	10.0000
Phencyclidine	3.895	8550784	992.12	496.65	12882605	10.0000
Phentermine	3.133	2658578	225.01	43.65	27500018	10.0000
Phenytoin	4.141	2440371	22044.42	729.83	1452480	10.0000
Promethazine	4.306	3141688	330.11	872.70	44954253	10.0000
Pseudoephedrine	2.720	55139328	873.50	3295.41	34310651	10.0000
Quetiapine	4.390	4181225	1267.04	15597.64	41163269	10.0000
Sertraline	4.550	139948	507.39	492.21	815415	10.0000
Sufentanil	4.359	164741	94546.33	217.30	38969009	10.0000
Tapentadol	3.422	8411939	4114.69	490.96	21397063	10.0000
Temazepam	4.673	7698238	1183.66	∞	31810098	10.0000
Tramadol	3.402	14342801	1495.16	93.58	44954253	10.0000
Trazodone	4.467	5002059	986.18	757.96	20647050	10.0000

Cal

AM #25 Multi-Drug Screen Results



Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
Venlafaxine	3.784	10353825	2106.50	724.20	815415	10.0000
Zaleplon	4.351	4530184	3132.29	547.32	41163269	10.0000
Zolpidem	4.212	13389391	1835.56	1030.94	41163269	10.0000
Zopiclone	4.037	1114454	406741.80	355900.19	6170980	10.0000

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

Extraction Date: 03/10/2021

Analyst: Celena Shrum

Plate lot#: IDP-108-2-201206

Plate Expiration: 06/06/2021

Mobile phase A: 0.1% Formic Acid in LCMS Water

Mobile phase B: 0.1% Formic acid in Acetonitrile

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. Using a calibrated pipette, add **1000µl blood (calibrated pipette)** into the appropriate wells of analytical (standards) plate. **Pipette ID: #42**
- 3. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- 4. Pipette **500µL 0.1% formic acid in water blood sample** of analytical plate.
- 5. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- 6. Transfer **800µL of blood+acid** 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)** Manifold ID: 067104
- 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. **SPE Dry ID: 067103**
- 16. Reconstitute in **100µL 100% MeOH** and heat seal plate with foil. Place in autosampler and run worklist.

Post-Analytic

- 1. Create batch and process data.
- 2. Make any necessary integration changes, R² values ≥0.98 for each analyte
- 3. RT +/- 2% or 0.100 min, whichever is greater
- 4. Confirmation testing on case samples with a response for THC and OH-THC of 3ng/mL or greater and/or Carboxy-THC at 10ng/mL or greater (analyst discretion between 5-10ng/mL) may be pursued.
- 5. Did all QCs pass for each analyte? (if not, describe in comments section)
- 6. Central File Packet to include: LIMS Worklist, Method Checklist, Calibration and Control Reports

COMMENTS: The samples were extracted on 03/10/2021 and during the injection of the calibrators, I noticed the pressure curves were not looking as they should so I did an autoclean/purge on the autosampler module and reinjected the calibrators. The pressure curves looked much better and the remainder of the run was injected with no further issues.

Curve Limitations: THC 5-100, c-THC 10-250, and THC-OH 3-100

	1	2	3	4	5	6
a	cal 1ng	Blood NC	M2021-0916-2	P2021-0573-1	P2021-0602-1	
b	cal 3 ng	M2020-4046-2	M2021-0932-2	P2021-0585-1	P2021-0603-1	
c	cal 5 ng	M2021-0606-2	M2021-0938-3	P2021-0586-1	P2021-0604-1	
d	cal 10ng	M2021-0686-1	M2021-0957-2	P2021-0587-1	P2021-0610-1	
e	cal 25 ng	M2021-0760-1	P2021-0567-1	P2021-0598-1	P2021-0642-1	
f	cal 50 ng	M2021-0763-1	P2021-0570-1	P2021-0599-1	P2021-0645-1	
g	cal 100 ng	M2021-0883-3	P2021-0571-1	P2021-0600-1		
h	QC 1	M2021-0886-2	P2021-0572-1	P2021-0601-1		

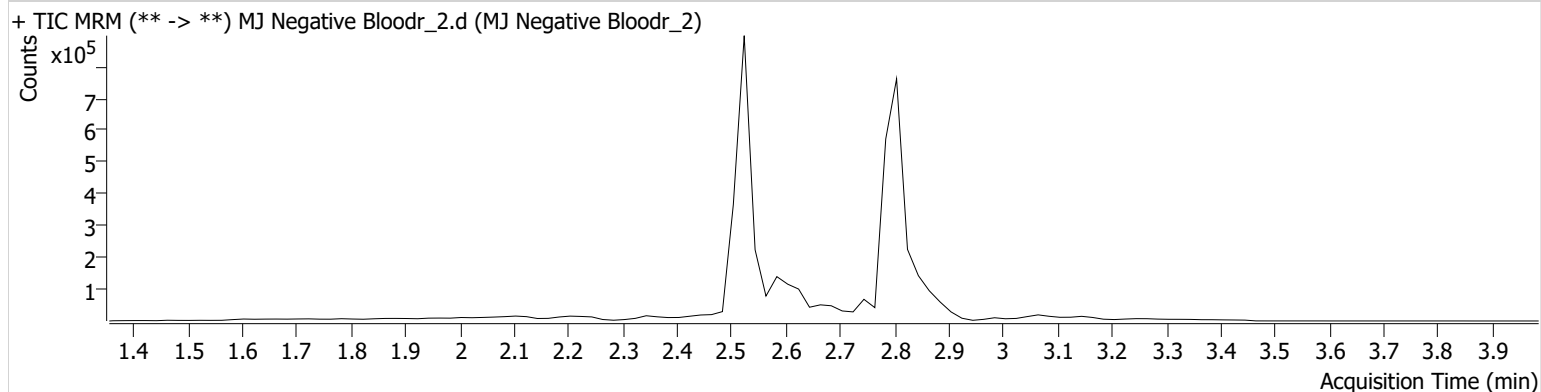
AM #26 Cannabinoids Screen Results



Batch results G:\TOX\Pocatello\Falco\2021\AM 25-26\031021 AM 25 26 CS\QuantResults\AM 26 MJ CS.batch.bin
Calibration Last Update 3/16/2021 9:55:58 AM

Instrument	Instrument 1	Data File	MJ Negative Bloodr_2.d
Type	Sample	Sample	MJ Negative Bloodr_2
Acq. Method	AM 26 THCS.m	Operator	Celena Shrum
Sample Position	P1-A2	Comment	
Injection Volume	10		
Acq. Date-Time	3/10/2021 5:32:23 PM		
Sample Info.			

Sample Chromatogram



CS

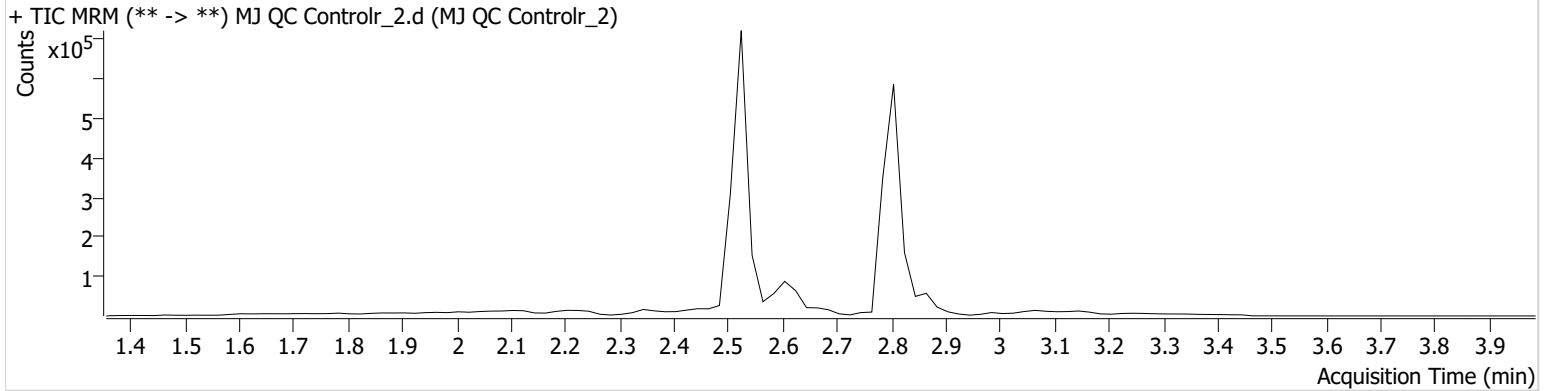


AM #26 Cannabinoids Screen Results

Batch results G:\TOX\Pocatello\Falco\2021\AM 25-26\031021 AM 25 26 CS\QuantResults\AM 26 MJ CS.batch.bin
Calibration Last Update 3/16/2021 9:55:58 AM

Instrument	Instrument 1	Data File	MJ QC Controlr_2.d
Type	Sample	Sample	MJ QC Controlr_2
Acq. Method	AM 26 THCS.m	Operator	Celena Shrum
Sample Position	P1-H1	Comment	
Injection Volume	10		
Acq. Date-Time	3/10/2021 5:19:18 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	2.879	1818	38906	4.3062 ng/ml
THC-COOH	2.605	58835	116699	14.4044 ng/ml
THC-OH	2.534	8022	1343574	3.7658 ng/ml

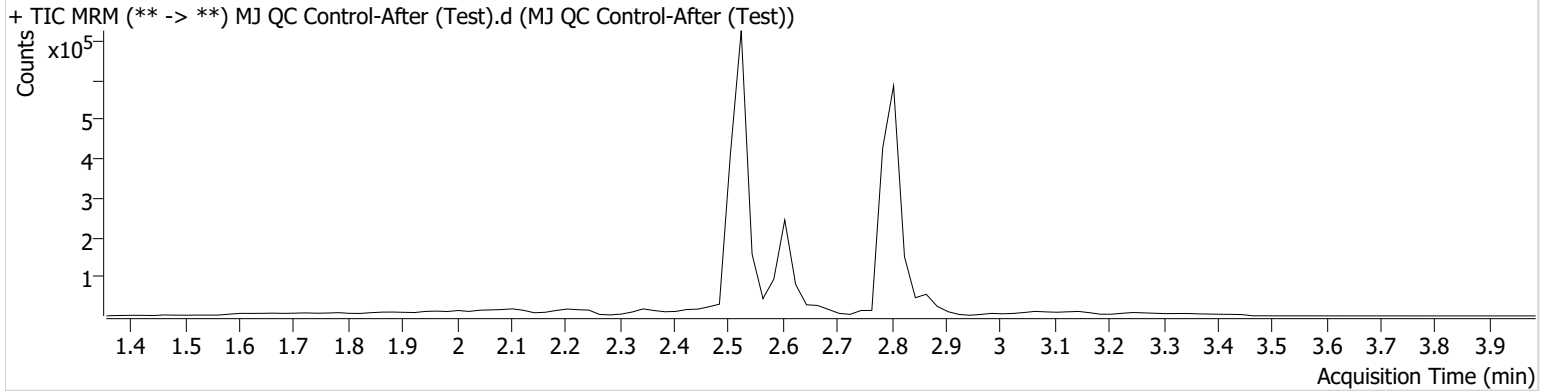
AM #26 Cannabinoids Screen Results



Batch results G:\TOX\Pocatello\Falco\2021\AM 25-26\031021 AM 25 26 CS\QuantResults\AM 26 MJ CS.batch.bin
Calibration Last Update 3/16/2021 9:55:58 AM

Instrument	Instrument 1	Data File	MJ QC Control-After (Test).d
Type	Sample	Sample	MJ QC Control-After (Test)
Acq. Method	AM 26 THCS.m	Operator	Celena Shrum
Sample Position	P1-H1	Comment	
Injection Volume	10		
Acq. Date-Time	3/10/2021 8:54:51 PM		
Sample Info.			

Sample Chromatogram

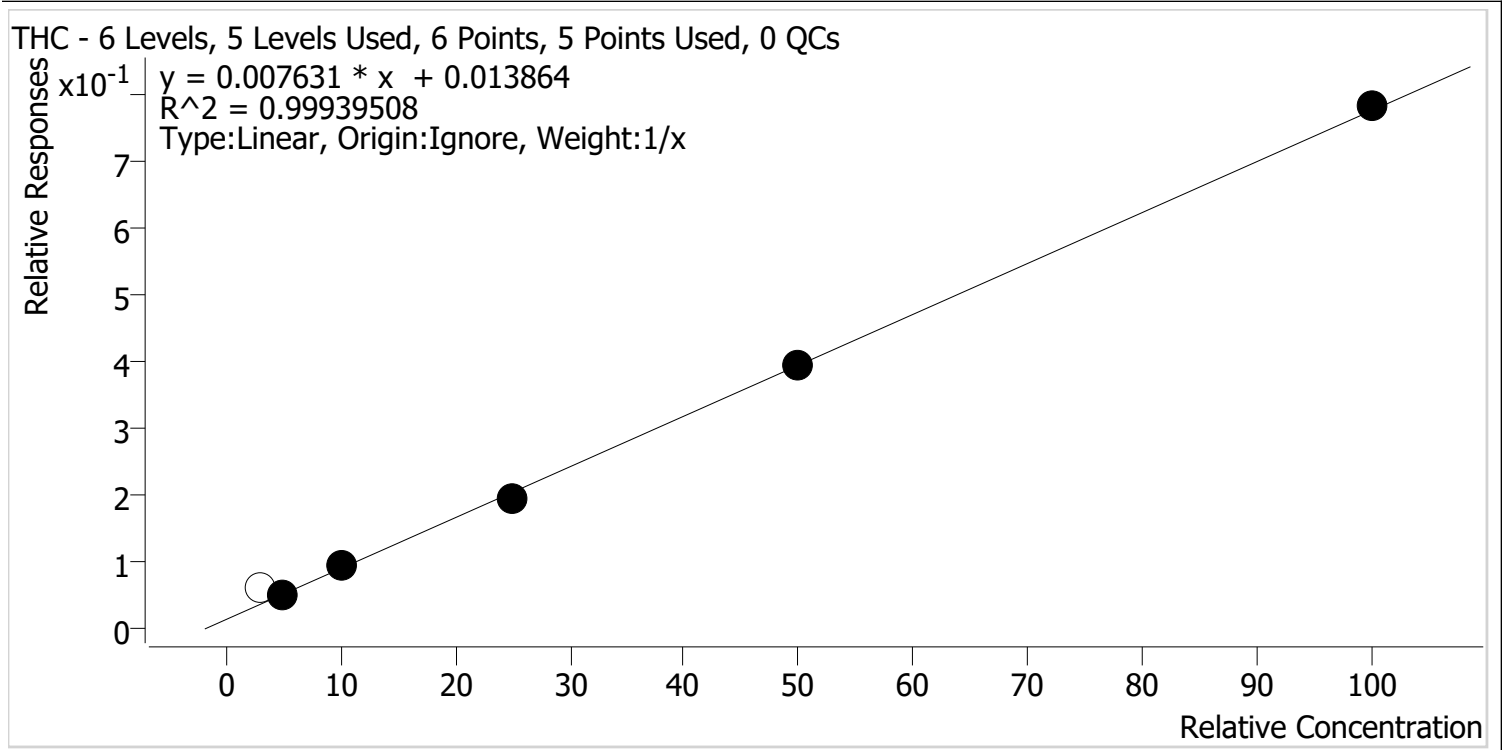


Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	2.859	4054	35056	13.3359 ng/ml
THC-COOH	2.605	80889	318361	6.7955 ng/ml
THC-OH	2.534	8531	1472012	3.6466 ng/ml



AM #26 Cannabinoids Screen Calibration Curve Report

Batch results G:\TOX\Pocatello\Falco\2021\AM 25-26\031021 AM 25 26 CS\QuantResults\AM 26 MJ CS.batch.bin
Last Cal. Update 3/16/2021 9:55 AM
Analyst Name ISP\Datastor
Analyte THC **Internal Standard** THC-D3



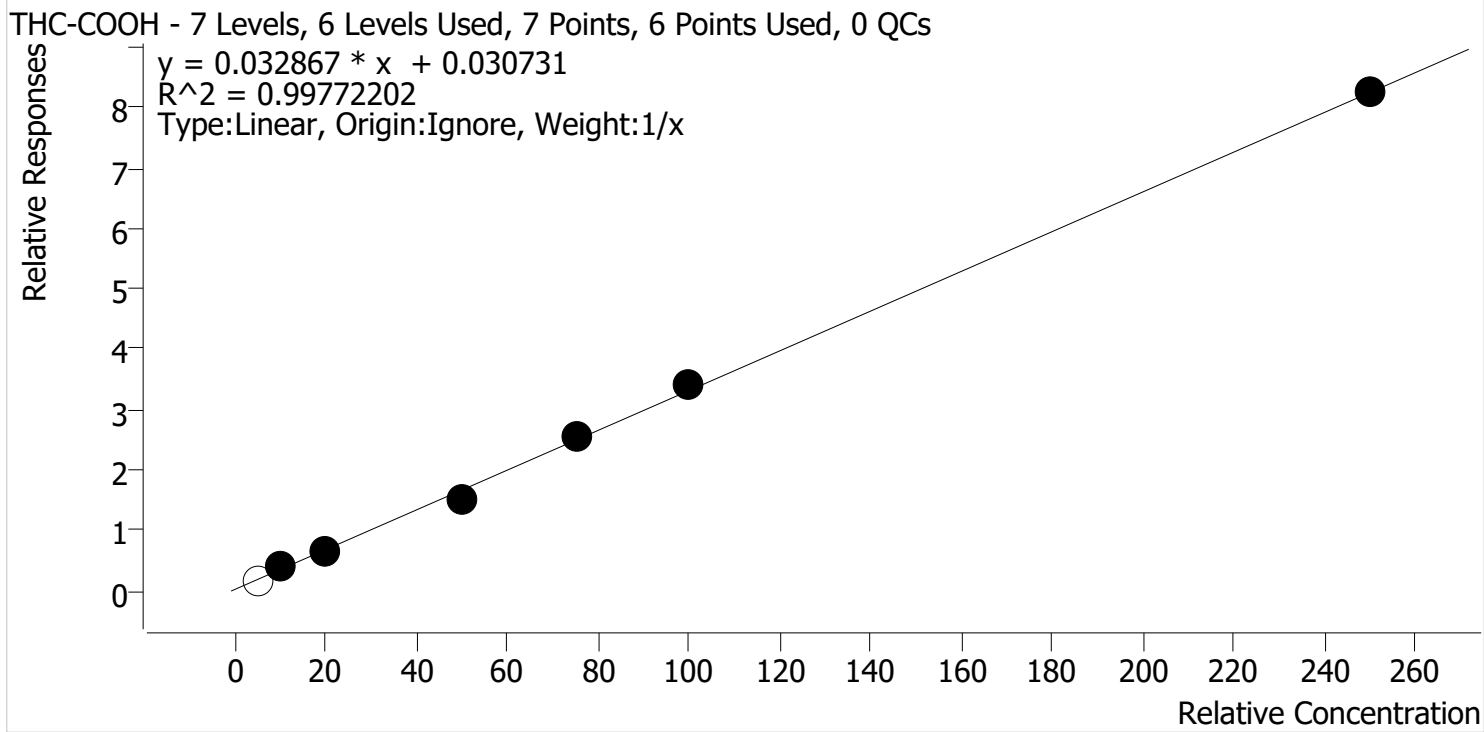
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
MJ Cal 2r_2	2	x	3.0	6.6	218.5
MJ Cal 3r_2	3	✓	5.0	5.0	99.6
MJ Cal 4r_2	4	✓	10.0	10.4	104.3
MJ Cal 5r_2	5	✓	25.0	23.9	95.6
MJ Cal 6r_2	6	✓	50.0	49.9	99.8
MJ Cal 7r_2	7	✓	100.0	100.8	100.8

Calibrators 1 and 2 dropped due to poor peak shape.



AM #26 Cannabinoids Screen Calibration Curve Report

Batch results G:\TOX\Pocatello\Falco\2021\AM 25-26\031021 AM 25 26 CS\QuantResults\AM 26 MJ CS.batch.bin
Last Cal. Update 3/16/2021 9:55 AM
Analyst Name ISP\Datastor
Analyte THC-COOH **Internal Standard** THC-COOH-D9



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
MJ Cal 1r_2	1	x	5.0	4.4	88.8
MJ Cal 2r_2	2	✓	10.0	11.0	110.1
MJ Cal 3r_2	3	✓	20.0	18.7	93.6
MJ Cal 4r_2	4	✓	50.0	45.4	90.8
MJ Cal 5r_2	5	✓	75.0	77.0	102.7
MJ Cal 6r_2	6	✓	100.0	102.7	102.7
MJ Cal 7r_2	7	✓	250.0	250.1	100.0

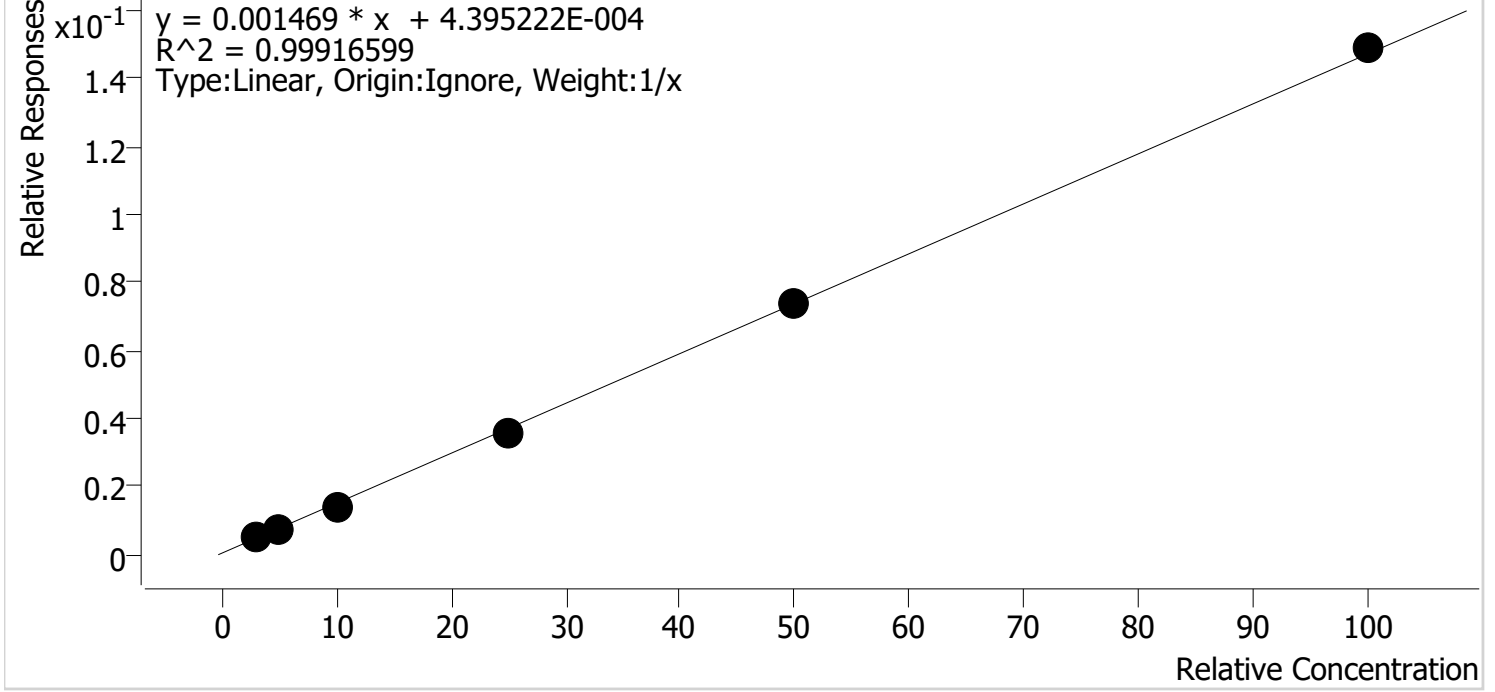
Calibrator 1 dropped due to poor peak shape/response.



AM #26 Cannabinoids Screen Calibration Curve Report

Batch results G:\TOX\Pocatello\Falco\2021\AM 25-26\031021 AM 25 26 CS\QuantResults\AM 26 MJ CS.batch.bin
Last Cal. Update 3/16/2021 9:55 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 2r_2	2	✓	3.0	3.4	112.7
MJ Cal 3r_2	3	✓	5.0	4.7	93.3
MJ Cal 4r_2	4	✓	10.0	9.6	95.5
MJ Cal 5r_2	5	✓	25.0	24.4	97.5
MJ Cal 6r_2	6	✓	50.0	49.9	99.9
MJ Cal 7r_2	7	✓	100.0	101.1	101.1

Calibrator 1 dropped due to poor peak shape/response.

CS

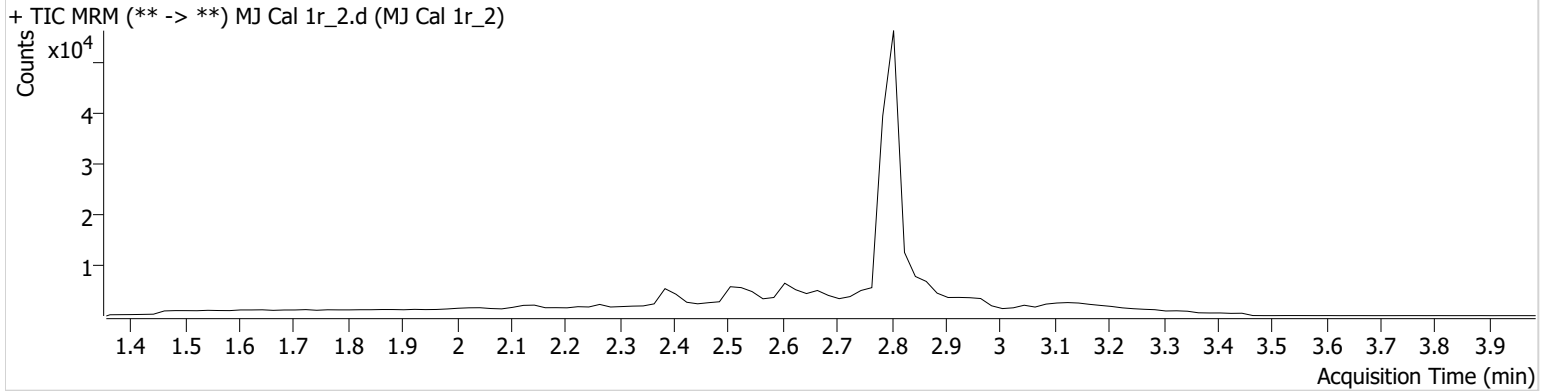


AM #26 Cannabinoids Screen Results

Batch results G:\TOX\Pocatello\Falco\2021\AM 25-26\031021 AM 25 26 CS\QuantResults\AM 26 MJ CS.batch.bin
Calibration Last Update 3/16/2021 9:55:58 AM

Instrument	Instrument 1	Data File	MJ Cal 1r_2.d
Type	Cal	Sample	MJ Cal 1r_2
Acq. Method	AM 26 THCS.m	Operator	Celena Shrum
Sample Position	P1-A1	Comment	
Injection Volume	10		
Acq. Date-Time	3/10/2021 4:33:26 PM		

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.	
THC-COOH	2.625	1866	10555	4.4424 ng/ml	Low

CS

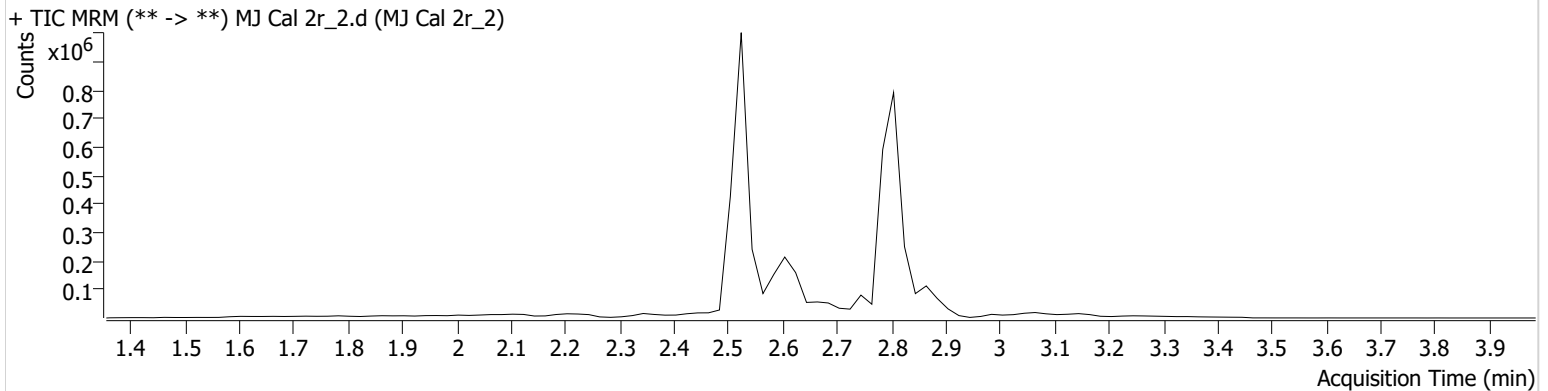


AM #26 Cannabinoids Screen Results

Batch results G:\TOX\Pocatello\Falco\2021\AM 25-26\031021 AM 25 26 CS\QuantResults\AM 26 MJ CS.batch.bin
Calibration Last Update 3/16/2021 9:55:58 AM

Instrument	Instrument 1	Data File	MJ Cal 2r_2.d
Type	Cal	Sample	MJ Cal 2r_2
Acq. Method	AM 26 THCS.m	Operator	Celena Shrum
Sample Position	P1-B1	Comment	
Injection Volume	10		
Acq. Date-Time	3/10/2021 4:40:07 PM		

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	2.859	5535	86629	6.5554 ng/ml
THC-COOH	2.605	120631	307373	11.0057 ng/ml
THC-OH	2.534	10898	2015809	3.3817 ng/ml

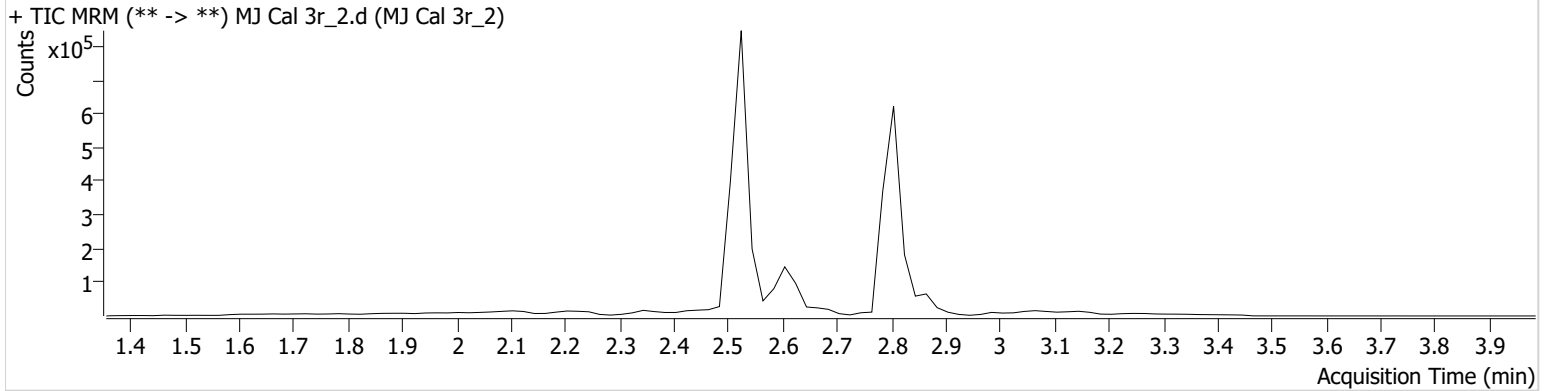
AM #26 Cannabinoids Screen Results



Batch results G:\TOX\Pocatello\Falco\2021\AM 25-26\031021 AM 25 26 CS\QuantResults\AM 26 MJ CS.batch.bin
Calibration Last Update 3/16/2021 9:55:58 AM

Instrument	Instrument 1	Data File	MJ Cal 3r_2.d
Type	Cal	Sample	MJ Cal 3r_2
Acq. Method	AM 26 THCS.m	Operator	Celena Shrum
Sample Position	P1-C1	Comment	
Injection Volume	10		
Acq. Date-Time	3/10/2021 4:46:39 PM		

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	2.879	2338	45093	4.9776 ng/ml
THC-COOH	2.605	111310	172247	18.7266 ng/ml
THC-OH	2.534	11885	1630432	4.6638 ng/ml

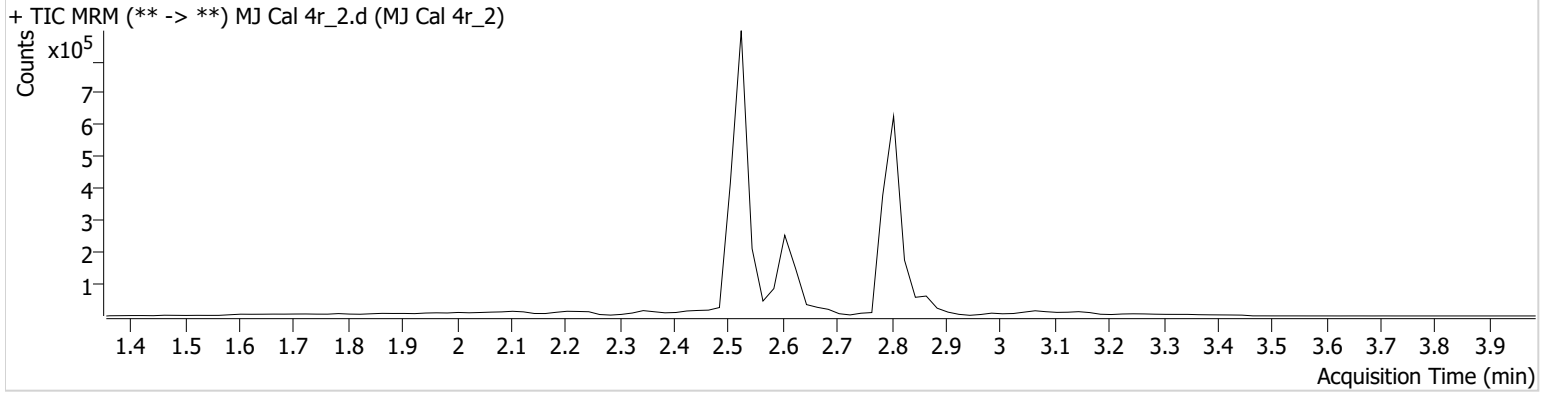
AM #26 Cannabinoids Screen Results



Batch results G:\TOX\Pocatello\Falco\2021\AM 25-26\031021 AM 25 26 CS\QuantResults\AM 26 MJ CS.batch.bin
Calibration Last Update 3/16/2021 9:55:58 AM

Instrument	Instrument 1	Data File	MJ Cal 4r_2.d
Type	Cal	Sample	MJ Cal 4r_2
Acq. Method	AM 26 THCS.m	Operator	Celena Shrum
Sample Position	P1-D1	Comment	
Injection Volume	10		
Acq. Date-Time	3/10/2021 4:53:12 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	2.879	3887	41596	10.4282 ng/ml
THC-COOH	2.605	245481	161186	45.4019 ng/ml
THC-OH	2.534	23547	1627483	9.5514 ng/ml

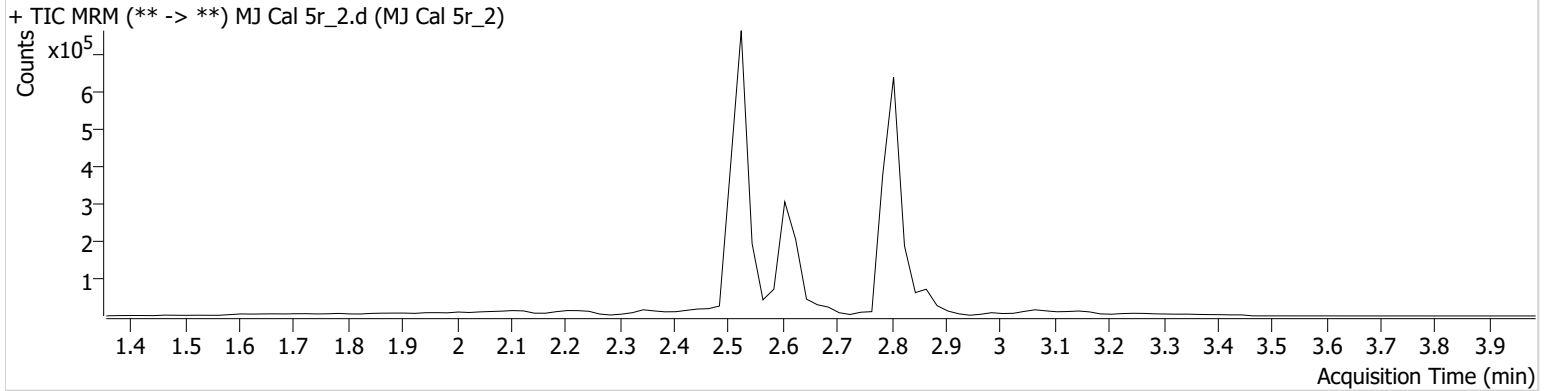
AM #26 Cannabinoids Screen Results



Batch results G:\TOX\Pocatello\Falco\2021\AM 25-26\031021 AM 25 26 CS\QuantResults\AM 26 MJ CS.batch.bin
Calibration Last Update 3/16/2021 9:55:58 AM

Instrument	Instrument 1	Data File	MJ Cal 5r_2.d
Type	Cal	Sample	MJ Cal 5r_2
Acq. Method	AM 26 THCS.m	Operator	Celena Shrum
Sample Position	P1-E1	Comment	
Injection Volume	10		
Acq. Date-Time	3/10/2021 4:59:45 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	2.879	9051	46127	23.8958 ng/ml
THC-COOH	2.605	333598	130152	77.0496 ng/ml
THC-OH	2.534	49433	1363460	24.3850 ng/ml



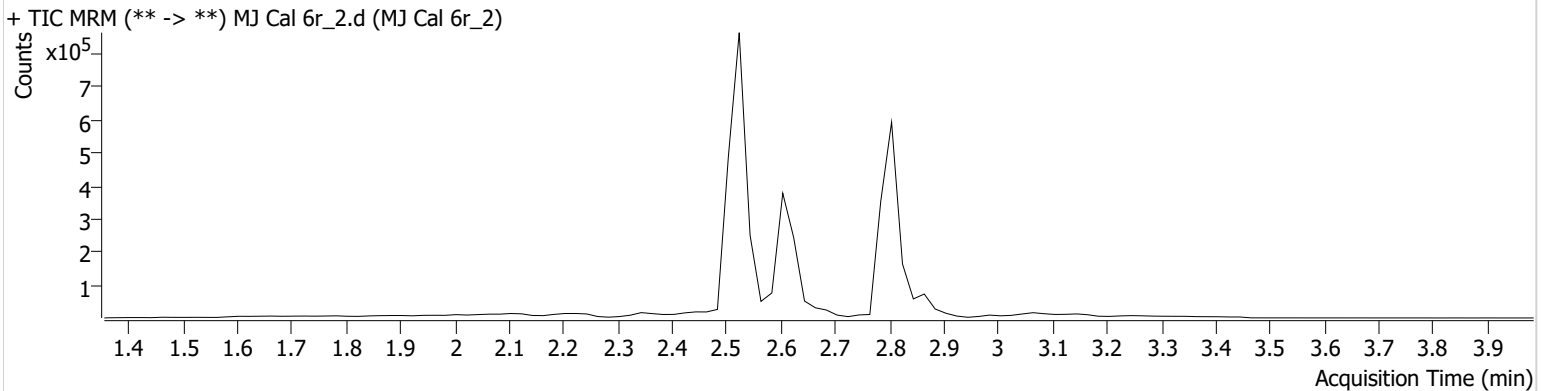
AM #26 Cannabinoids Screen Results

Batch results G:\TOX\Pocatello\Falco\2021\AM 25-26\031021 AM 25 26 CS\QuantResults\AM 26 MJ CS.batch.bin
Calibration Last Update 3/16/2021 9:55:58 AM

Instrument Instrument 1
Type Cal
Acq. Method AM 26 THCS.m
Sample Position P1-F1
Injection Volume 10
Acq. Date-Time 3/10/2021 5:06:16 PM
Sample Info.

Data File MJ Cal 6r_2.d
Sample MJ Cal 6r_2
Operator Celena Shrum
Comment

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	2.879	17660	44762	49.8840 ng/ml
THC-COOH	2.605	426725	125224	102.7455 ng/ml
THC-OH	2.534	103257	1399635	49.9291 ng/ml

CS

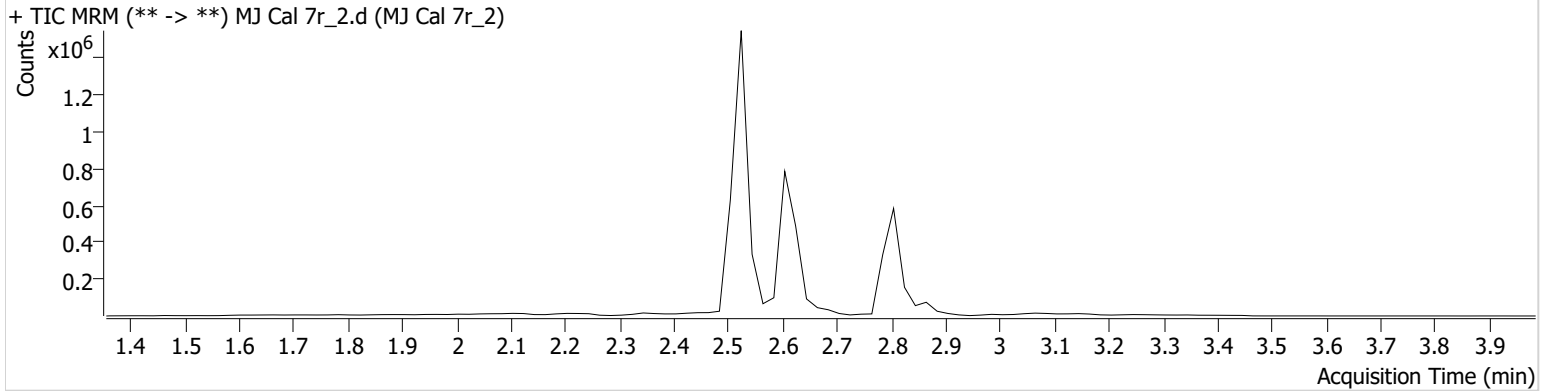


AM #26 Cannabinoids Screen Results

Batch results G:\TOX\Pocatello\Falco\2021\AM 25-26\031021 AM 25 26 CS\QuantResults\AM 26 MJ CS.batch.bin
Calibration Last Update 3/16/2021 9:55:58 AM

Instrument	Instrument 1	Data File	MJ Cal 7r_2.d
Type	Cal	Sample	MJ Cal 7r_2
Acq. Method	AM 26 THCS.m	Operator	Celena Shrum
Sample Position	P1-G1	Comment	
Injection Volume	10		
Acq. Date-Time	3/10/2021 5:12:47 PM		

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	2.879	30184	38539	100.8144 ng/ml
THC-COOH	2.605	966384	117139	250.0708 ng/ml
THC-OH	2.534	195448	1312474	101.0890 ng/ml