



Worklist: 4898

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
M2021-1319	2	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2021-1475	2	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-0713	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-0713	2	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-0713	3	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-0727	2	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-0789	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-0811	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-0873	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-0874	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-0885	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-0894	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-0907	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-0945	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-0968	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-0988	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-1031	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-1032	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-1048	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-1049	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-1086	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	

Worklist: 4898

TS

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
P2021-1094	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-1106	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: 4/13/2021

Analyst: Tamara Salazar - HOA Amber Gerheart

Plate lot#: 201206

Plate Expiration: 6/6/2021

Mobile phase A: 10mM Amm Form

Mobile phase B: 0.1% Formic Acid in MeOH

Instant Buffer I

Ethyl Acetate

LC Methanol

Blank Blood Lot: Lampire 20L20724

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

LCMS-QQQ ID: 069901

Blank Urine Lot: N/A

Pre-Analytic:

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

Analytic:

- 1. Remove standards, plate, controls, and samples from cold storage. Allow to reach room temperature.
- 2. Urine Hydrolysis: 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: 42
- 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: 300µL
- 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:

TS

	1	2	3	4	5	6	7	8	9	10	11
A	IS + Cal. 1	P2021-0727-2	P2021-0945-1	P2021-1094-1	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample
B	IS + Cal. 1	P2021-0789-1	P2021-0968-1	P2021-1106-1	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample
C	Negative Blood	P2021-0811-1	P2021-0988-1	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample
D	M2021-1319-2	P2021-0873-1	P2021-1031-1	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample
E	M2021-1475-2	P2021-0874-1	P2021-1032-1	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample
F	P2021-0713-1	P2021-0885-1	P2021-1048-1	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample
G	P2021-0713-2	P2021-0894-1	P2021-1049-1	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample
H	P2021-0713-3	P2021-0907-1	P2021-1086-1	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample

All wells to contain 60 µl of residual DMSO

12
IS + Sample
IS + Sample
IS + Sample
IS + Sample
IS + Sample
IS + Sample
IS + Cal. 1
IS + Cal. 1

TS

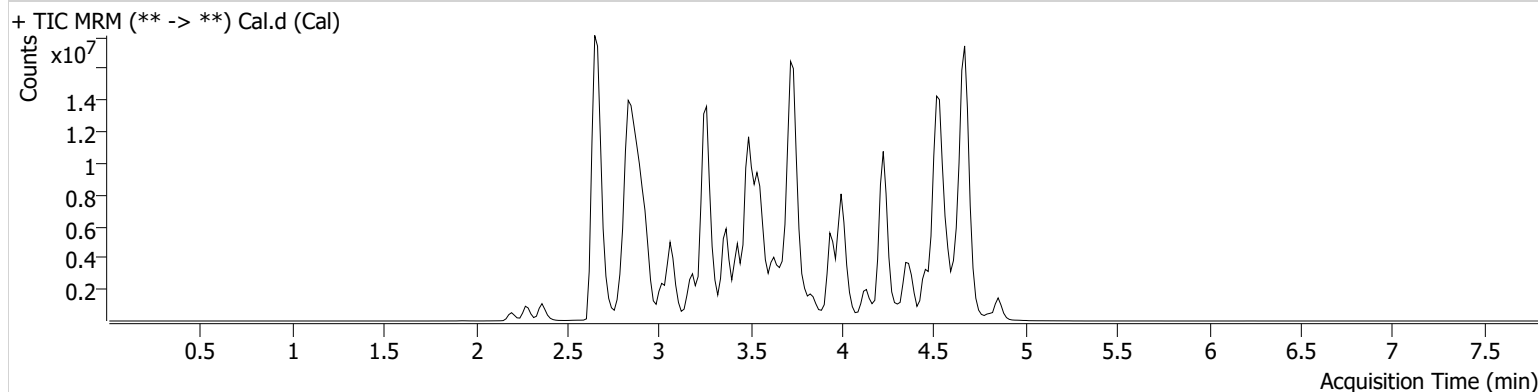


AM #25 Multi-Drug Screen Results

Batch results D:\MassHunter\Data\2021\AM 25-26\041321 AM 25 26 AG TS\QuantResults\AM 25 AG_.batch.bin
Calibration Last Update 4/19/2021 2:07:30 PM

Instrument	Instrument 1	Data File	Cal.d
Type	Cal	Sample	Cal
Acq. Method	AM 25 MDS.m	Operator	Tamara Salazar
Sample Position	P2-A1	Comment	
Injection Volume	5		
Acq. Date-Time	4/13/2021 5:25:47 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
6-MAM	2.801	67590	1332.31	112746.23	2244580	10.0000
7-aminoclonazepam	3.554	2108488	46233.63	514.76	8410804	10.0000
7-aminoflunitrazepam	3.768	2944774	2066820.90	217.23	8410804	10.0000
Acetyl Fentanyl	3.672	38331	13.02	11520.69	27913624	10.0000
Acetyl Norfentanyl	2.840	385489	2596.12	285.75	27913624	10.0000
a-hydroxyalprazolam	4.531	587287	341.16	572.00	8410804	10.0000
alpha-hydroxymidazolam	4.529	3079553	411.03	1003757.45	8410804	10.0000
Alpha-PHP	3.711	1755501	5851.86	2361.03	27913624	10.0000
alpha-PVP	3.437	3379255	4786.66	581.77	5147190	10.0000
Alprazolam	4.626	5021055	552.00	826.18	32996962	10.0000
Amitriptyline	4.339	82979	10.67	35.91	344867	10.0000
Amphetamine	2.844	2246174	933.33	4435.25	5147190	10.0000
Benzoylcegonine	3.385	434354	167.75	50.08	737936	10.0000
Brompheniramine	3.949	13556	6661.58	73.27	13001269	10.0000
Buprenorphine	4.006	99938	5235.25	12568.48	431755	10.0000
Bupropion	3.635	1831584	448.86	387.18	6967440	10.0000
Carbamazepine	4.234	16230172	∞	1388.14	1356351	10.0000
Carisoprodol	4.233	2413624	537.44	253.22	14110264	10.0000
Chlordiazepoxide	4.658	2250959	2709.72	2378.75	32996962	10.0000
Chlorpheniramine	3.861	1231694	213.86	5.46	13001269	10.0000
Citalopram	3.994	658428	560.48	429.77	13001269	10.0000
Clomipramine	4.517	143575	52299.84	207.69	13001269	10.0000
Clonazepam	4.455	3034764	3120.81	740874.04	32996962	10.0000
Clonazolam	4.375	3229531	3400435.54	720915.71	32996962	10.0000
Cocaethylene	3.688	3802098	6353.08	2013218.44	27382437	10.0000
Cocaine	3.491	5089146	616.24	889.67	27382437	10.0000
Codeine	2.699	521262	1859.76	2135.22	12262604	10.0000
Cyclobenzaprine	4.262	139619	69.66	36.14	344867	10.0000
Desipramine	4.294	228507	55559.34	27.36	344867	10.0000
Dextromethorphan	3.985	258769	114.51	513.84	1270238	10.0000
Dextrorphan	3.311	1750216	8159.15	582.91	1270238	10.0000
Diazepam	4.859	1967995	2189.66	3382.05	32996962	10.0000
Dihydrocodeine	2.667	1198166	1069.44	2663.56	12262604	10.0000
Diphenhydramine	3.940	1635894	993.96	979.42	13001269	10.0000

Cal

TS

AM #25 Multi-Drug Screen Results



Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
Doxepin	4.061	134314	129109.18	8.15	3594480	10.0000
Doxylamine	3.540	7139649	426.93	42499.56	1270238	10.0000
EDDP	3.999	593672	335.41	121.65	1475802	10.0000
Estazolam	4.535	10762540	2889.81	1485.68	32996962	10.0000
Etizolam	4.636	617506	349855.11	1266903.18	32996962	10.0000
Fentanyl	3.916	17299	13.75	8145.61	1296412	10.0000
Flualprazolam	4.484	1911135	629135.87	1841096.48	32996962	10.0000
Flunitrazepam	4.579	5804282	1817.24	1958886.56	32996962	10.0000
Fluoxetine	4.258	113070	280.90	15.59	345869	10.0000
Flurazepam	4.022	819502	922.49	88554.83	32996962	10.0000
Hydrocodone	2.882	1810090	1282.38	388.09	12262604	10.0000
Hydromorphone	2.367	1710694	774.55	45403.15	279335	10.0000
Imipramine	4.291	313098	213014.04	141.56	344867	10.0000
Ketamine	3.282	3769053	5077.25	151.57	18828080	10.0000
Lamotrigine	3.434	419813	674.69	3672.83	13001269	10.0000
Levamisole	2.856	2739379	571.61	590.05	27382437	10.0000
Levetiracetam	2.659	1595725	635.33	947.34	13001269	10.0000
Lorazepam	4.439	1088663	384.37	1090.23	32996962	10.0000
Maprotiline	4.339	57171	13.30	48.88	344867	10.0000
MDA	2.948	1960803	348.22	446.16	13334886	10.0000
MDEA	3.177	2763809	1933.23	1014.82	13334886	10.0000
MDMA	3.024	3997401	1005.72	294.90	13334886	10.0000
Meperidine	3.511	1275048	988.00	1010.70	1270238	10.0000
Meprobamate	3.668	1446260	672.02	168.23	14110264	10.0000
Methadone	4.303	709025	582.88	4189.63	1475802	10.0000
Methamphetamine	2.935	4971637	7409.33	366.64	13334886	10.0000
Methocarbamol	3.589	1237821	631.13	625.64	1475802	10.0000
Methylphenidate	3.436	5881269	2295.18	429.74	12066354	10.0000
Metoprolol	3.371	570686	308.84	643591.55	1270238	10.0000
Midazolam	4.469	425319	337890.37	429519.72	32996962	10.0000
Mirtazapine	3.601	588665	1386.15	1757.54	1270238	10.0000
Mitragynine	4.037	27607	18797.86	91474.90	1270238	10.0000
Morphine	2.201	352055	5386.45	727.45	279335	10.0000
Norbuprenorphine	3.746	13572	13583.47	15123.50	431755	10.0000
Nordiazepam	4.707	2596756	1933.91	1313.07	32996962	10.0000
Norfentanyl	3.267	6396959	741.31	689.79	27913624	10.0000
Norhydrocodone	2.868	41987	425.44	77.20	279335	10.0000
Norketamine	3.268	727903	277.16	2828.35	18828080	10.0000
Normeperidine	3.528	987928	3515.13	177.51	13001269	10.0000
Noroxycodone	2.835	1396454	230.95	242.41	18828080	10.0000
Nortriptyline	4.340	68374	6653.27	7.45	344867	10.0000
O-desmethyl-tramadol	2.869	8916237	1674.92	892.44	13001269	10.0000
Olanzapine	3.291	128558	639.51	255.33	1356351	10.0000
Oxazepam	4.521	4914373	1013.30	1042.87	21530551	10.0000
Oxycodone	2.848	3835424	855.47	740.00	18828080	10.0000
Oxymorphone	2.271	1883847	495.11	2643.80	279335	10.0000
Paroxetine	4.269	18358	33.50	9540.94	345869	10.0000
Phenazepam	4.651	4404546	8614.59	2877639.00	32996962	10.0000
Phencyclidine	3.834	1650374	679.08	1019.57	1270238	10.0000
Phentermine	3.087	913778	129.97	26.37	12066354	10.0000
Phenytoin	4.141	2392646	906.38	1500.75	1356351	10.0000
Promethazine	4.214	403499	210.46	190.37	13001269	10.0000
Pseudoephedrine	2.660	43918574	15764.07	3615.18	13334886	10.0000
Quetiapine	4.160	914536	2402.26	174061.31	33712586	10.0000
Sertraline	4.473	52400	39180.49	259.28	345869	10.0000
Sufentanil	4.160	8050	6331.36	12.34	27913624	10.0000
Tapentadol	3.375	4874167	8063.87	270.17	18828080	10.0000
Temazepam	4.673	8324859	949.87	613.14	32996962	10.0000
Tramadol	3.356	8466596	2931.80	78.77	13001269	10.0000
Trazodone	4.008	764795	327.03	126.80	3594480	10.0000

Cal

TS

AM #25 Multi-Drug Screen Results



Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
Venlafaxine	3.722	4773833	2032.83	1866.17	345869	10.0000
Zaleplon	4.351	4613600	2051997.72	699.95	33712586	10.0000
Zolpidem	3.735	9678474	3435.88	1161.20	33712586	10.0000
Zopiclone	3.670	713548	20549.12	243681.83	3692252	10.0000

AM #25 Multi-Drug Screen Results

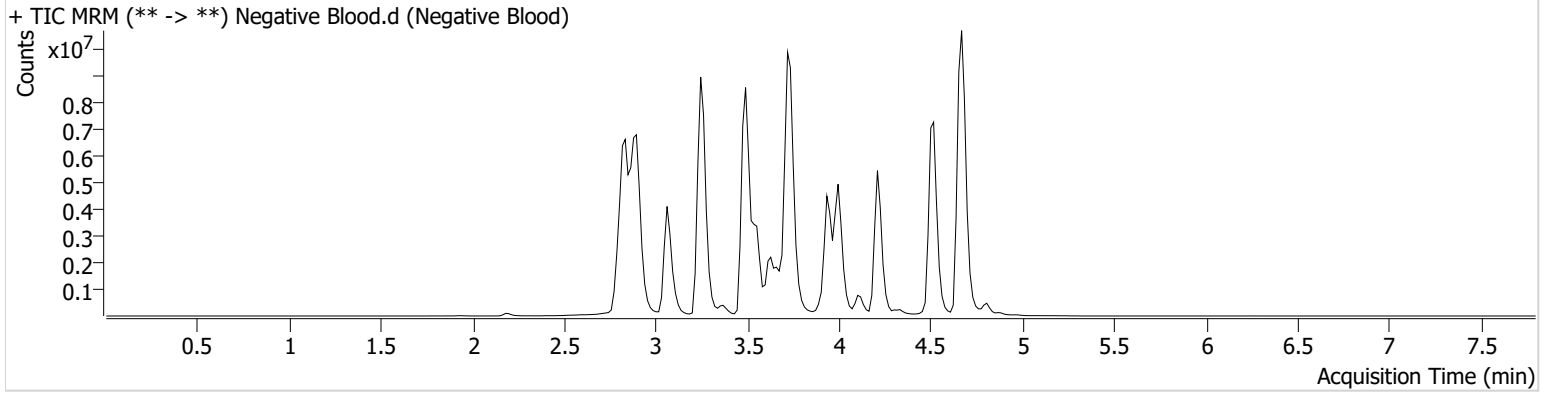
TS



Batch results D:\MassHunter\Data\2021\AM 25-26\041321 AM 25 26 AG TS\QuantResults\AM 25 AG_.batch.bin
Calibration Last Update 4/19/2021 2:07:30 PM

Instrument Type	Instrument 1 Sample	Data File	Negative Blood.d
Acq. Method	AM 25 MDS.m	Sample	Negative Blood
Sample Position	P2-C1	Operator	Tamara Salazar
Injection Volume	5	Comment	
Acq. Date-Time	4/13/2021 5:34:20 PM		
Sample Info.			

Sample Chromatogram



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

TS

Extraction Date: 4/13/2021

Analyst: Tamara Salazar - HOA Amber Gerheart

Plate lot#: 201206

Plate Expiration: 6/6/2021

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-QQ ID: 069901

Blank Urine Lot: N/A

Pre-Analytic:

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

Analytic:

- 1. Remove standards, plate, controls, and samples from cold storage. Allow to reach room temperature.
- 2. Urine hydrolysis: add 1.5mL urine to blank plate, add 250µl 1N KOH. Shake and incubate at 40 degrees for 15 minutes.
Using a calibrated pipette, add **1000µl blood and urine (if applicable) (calibrated pipette)** into the appropriate wells of analytical (standards) plate. **Pipette ID: 16**
- 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: 800µL
- 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, 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: Calibration Range: THC 5-100 ng/mL

TS

	1	2	3	4	5	6
A	IS + Cal. 1	Negative Blood	P2021-0811-1	P2021-0988-1	M2021-1319-2 (Moved from B2)	IS + QC_1
B	IS + Cal. 2	Sample moved due to blood clot	P2021-0873-1	P2021-1031-1	P2021-0713-3 (Moved from F2)	IS + Cal. 7
C	IS + Cal. 3	M2021-1475-2	P2021-0874-1	P2021-1032-1	P2021-1094-1 (Moved from G4)	IS + Cal. 6
D	IS + Cal. 4	P2021-0713-1	P2021-0885-1	P2021-1048-1	IS + Sample	IS + Cal. 5
E	IS + Cal. 5	P2021-0713-2	P2021-0894-1	P2021-1049-1	IS + Sample	IS + Cal. 4
F	IS + Cal. 6	Sample moved due to blood clot	P2021-0907-1	P2021-1086-1	IS + Sample	IS + Cal. 3
G	IS + Cal. 7	P2021-0727-2	P2021-0945-1	Sample moved due to blood clot	IS + Sample	IS + Cal. 2
H	IS + QC_1	P2021-0789-1	P2021-0968-1	P2021-1106-1	IS + Sample	IS + Cal. 1

All wells to contain 100 µl of residual DMSO

TS

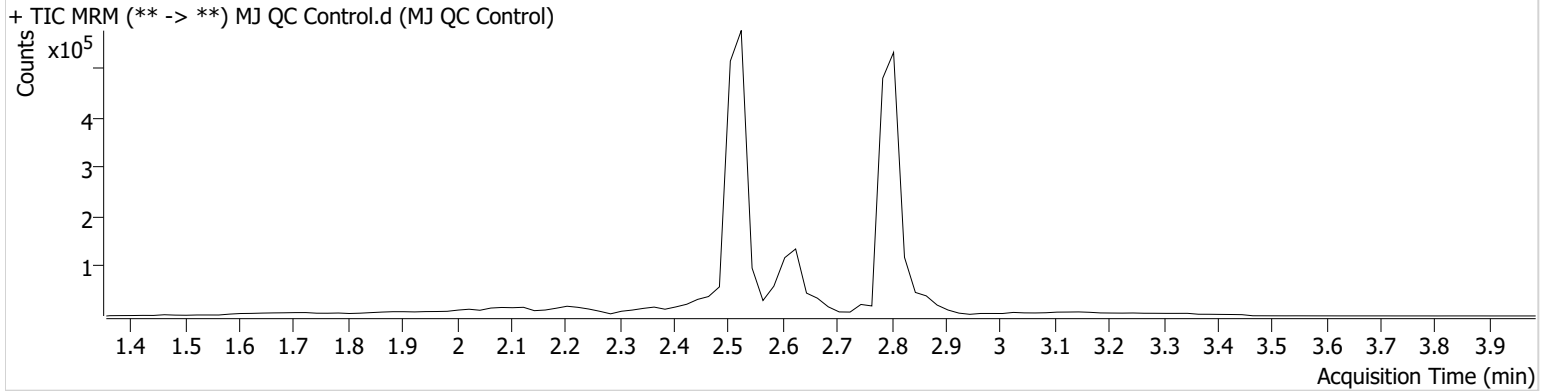


AM #26 Cannabinoids Screen Results

Batch results G:\TOX\Pocatello\Falco\2021\AM 25-26\041321 AM 25 26 AG TS\QuantResults\AM 26 AG.batch.bin
Calibration Last Update 4/19/2021 1:11:19 PM

Instrument	Instrument 1	Data File	MJ QC Control.d
Type	Sample	Sample	MJ QC Control
Acq. Method	AM 26 THCS.m	Operator	Tamara Salazar
Sample Position	P1-H1	Comment	
Injection Volume	10		
Acq. Date-Time	4/13/2021 1:28:17 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	2.879	1528	19078	6.1034 ng/ml
THC-COOH	2.625	98733	162799	19.0321 ng/ml
THC-OH	2.534	7549	1348137	3.6864 ng/ml

TS

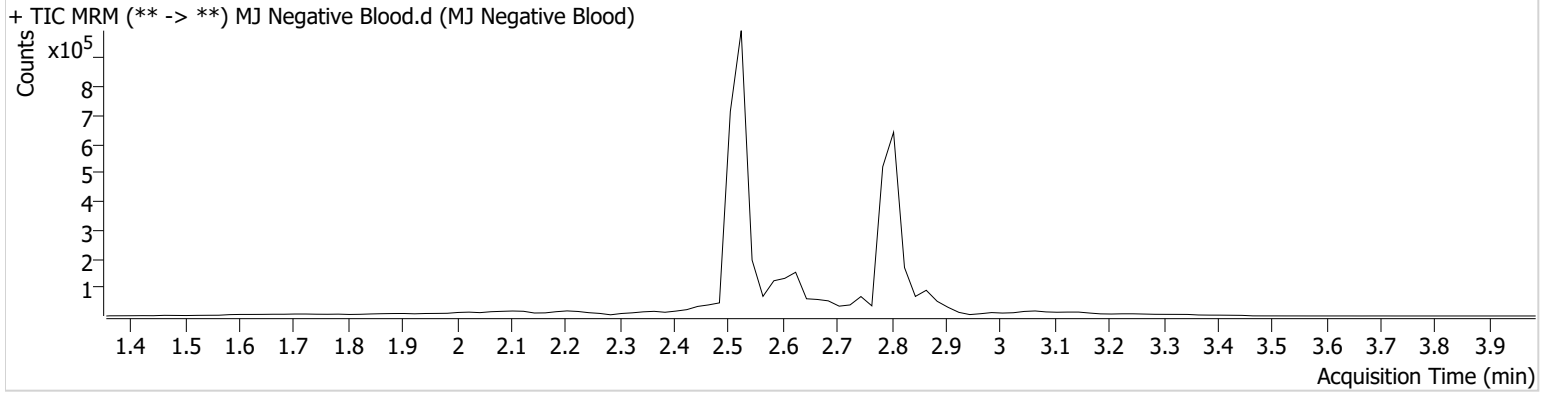


AM #26 Cannabinoids Screen Results

Batch results G:\TOX\Pocatello\Falco\2021\AM 25-26\041321 AM 25 26 AG TS\QuantResults\AM 26 AG.batch.bin
Calibration Last Update 4/19/2021 1:11:19 PM

Instrument Type	Instrument 1 Sample	Data File	MJ Negative Blood.d
Acq. Method	AM 26 THCS.m	Sample	MJ Negative Blood
Sample Position	P1-A2	Operator	Tamara Salazar
Injection Volume	10	Comment	
Acq. Date-Time	4/13/2021 1:41:22 PM		
Sample Info.			

Sample Chromatogram

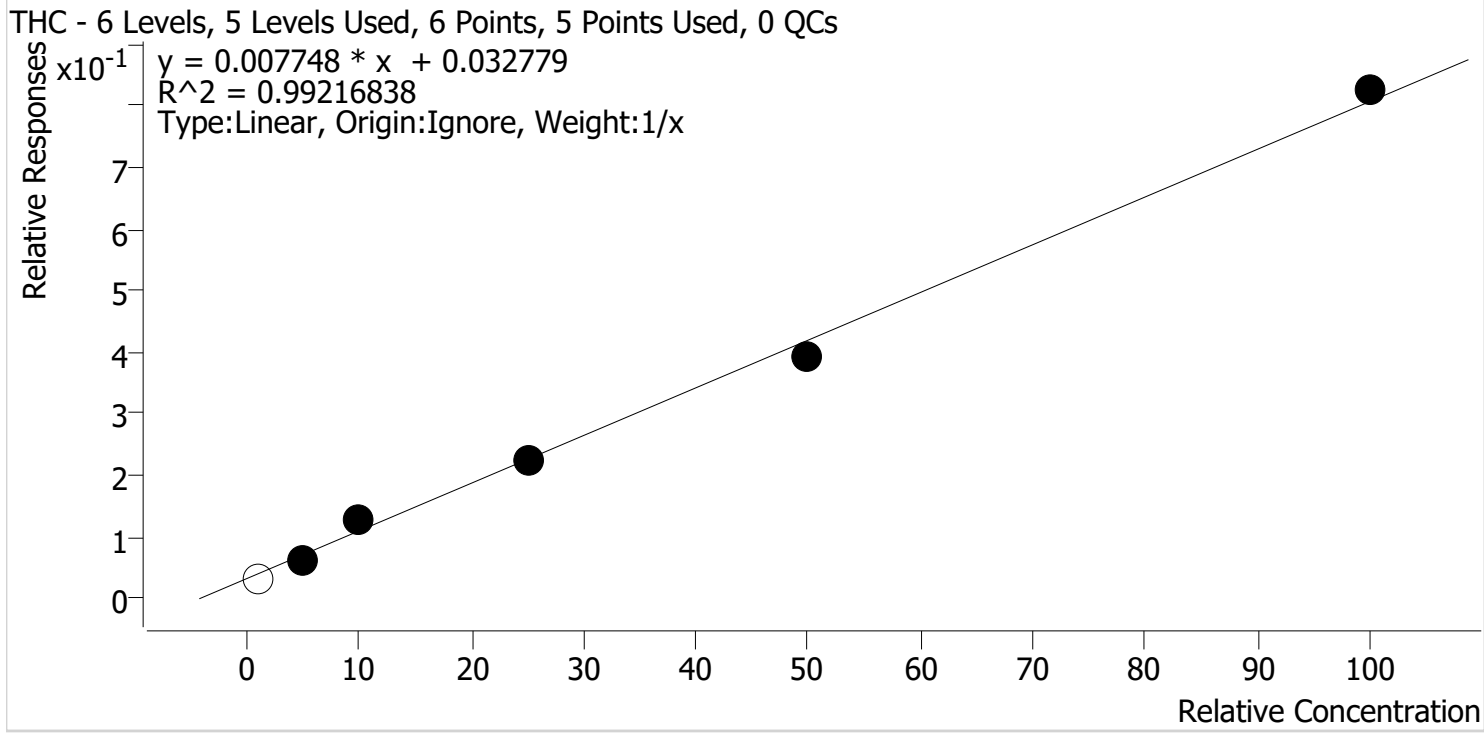




TS

AM #26 Cannabinoids Screen Calibration Curve Report

Batch results G:\TOX\Pocatello\Falco\2021\AM 25-26\041321 AM 25 26 AG TS\QuantResults\AM 26 AG.batch.bin
Last Cal. Update 4/15/2021 1:46 PM
Analyst Name ISP\agerheart
Analyte THC **Internal Standard** THC-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
MJ Cal 1	1	x	1.0	0.0	4.6
MJ Cal 3	3	✓	5.0	4.2	83.0
MJ Cal 4	4	✓	10.0	12.3	123.1
MJ Cal 5	5	✓	25.0	24.6	98.3
MJ Cal 6	6	✓	50.0	46.6	93.3
MJ Cal 7	7	✓	100.0	102.3	102.3

*Cal 1 dropped due to peak shape.
 Cal 2 did not integrate due to peak shape.

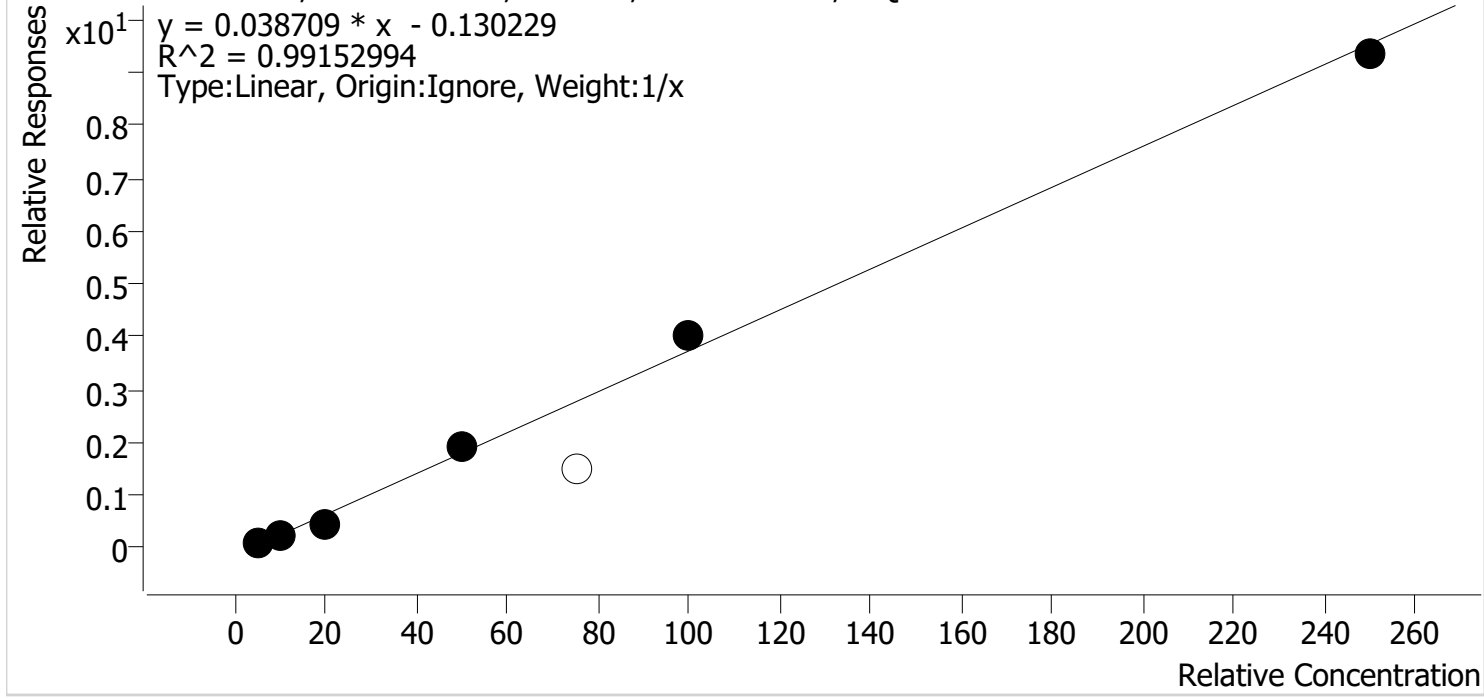
TS



AM #26 Cannabinoids Screen Calibration Curve Report

Batch results G:\TOX\Pocatello\Falco\2021\AM 25-26\041321 AM 25 26 AG TS\QuantResults\AM 26
AG.batch.bin
Last Cal. Update 4/15/2021 1:46 PM
Analyst Name ISP\agerheart
Analyte THC-COOH **Internal Standard** THC-COOH-D9

THC-COOH - 7 Levels, 6 Levels Used, 7 Points, 6 Points Used, 0 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
MJ Cal 1	1	✓	5.0	6.3	125.5
MJ Cal 2	2	✓	10.0	9.2	91.7
MJ Cal 3	3	✓	20.0	14.2	70.9
MJ Cal 4	4	✓	50.0	53.5	107.1
* MJ Cal 5	5	✗	75.0	41.8	55.8
MJ Cal 6	6	✓	100.0	106.9	106.9
MJ Cal 7	7	✓	250.0	245.0	98.0

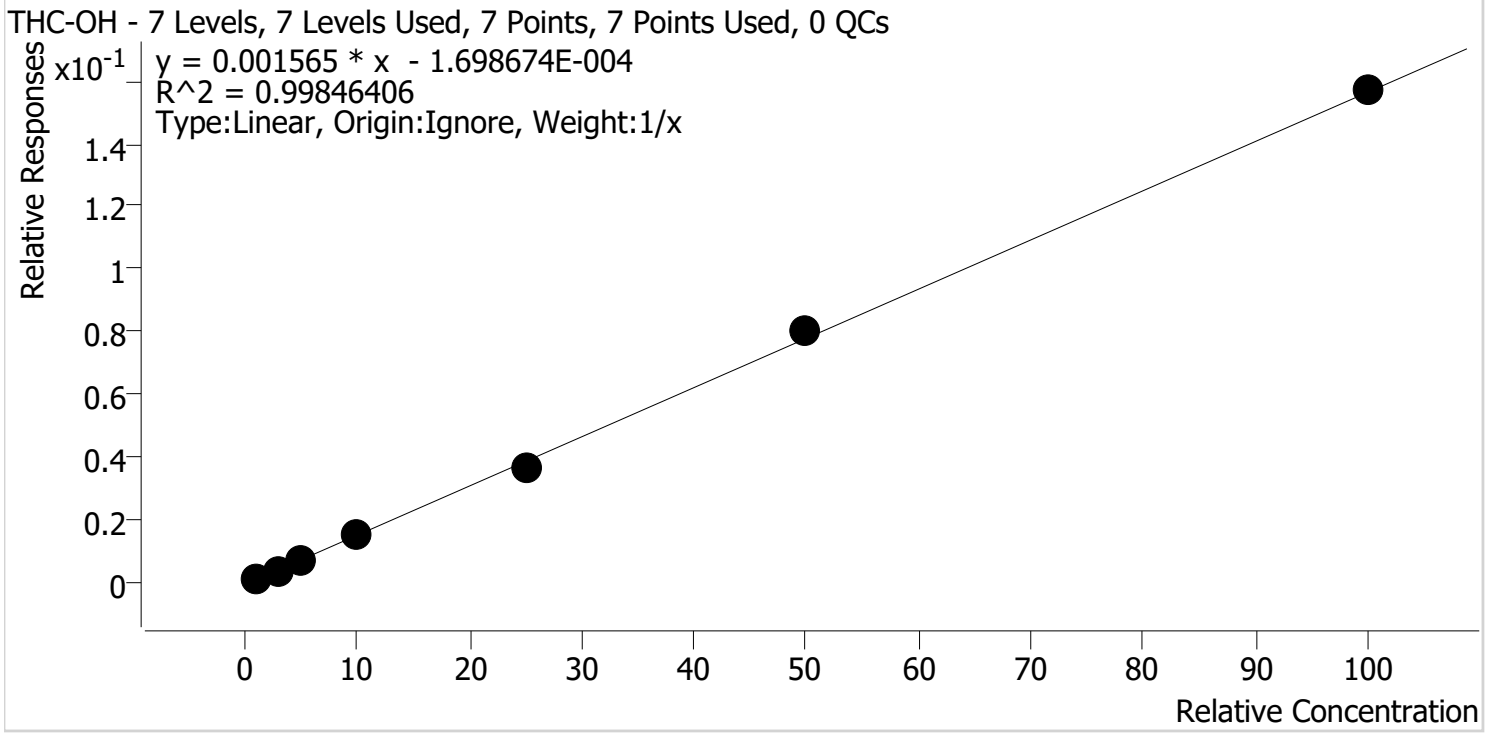
* Cal 5 dropped due to linearity



TS

AM #26 Cannabinoids Screen Calibration Curve Report

Batch results G:\TOX\Pocatello\Falco\2021\AM 25-26\041321 AM 25 26 AG TS\QuantResults\AM 26 AG.batch.bin
Last Cal. Update 4/15/2021 1:46 PM
Analyst Name ISP\agerheart
Analyte THC-OH **Internal Standard** THC-OH-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
MJ Cal 1	1	✓	1.0	1.2	124.4
MJ Cal 2	2	✓	3.0	2.5	85.0
MJ Cal 3	3	✓	5.0	4.6	92.6
MJ Cal 4	4	✓	10.0	10.0	99.5
MJ Cal 5	5	✓	25.0	23.8	95.3
MJ Cal 6	6	✓	50.0	51.4	102.9
MJ Cal 7	7	✓	100.0	100.4	100.4

TS

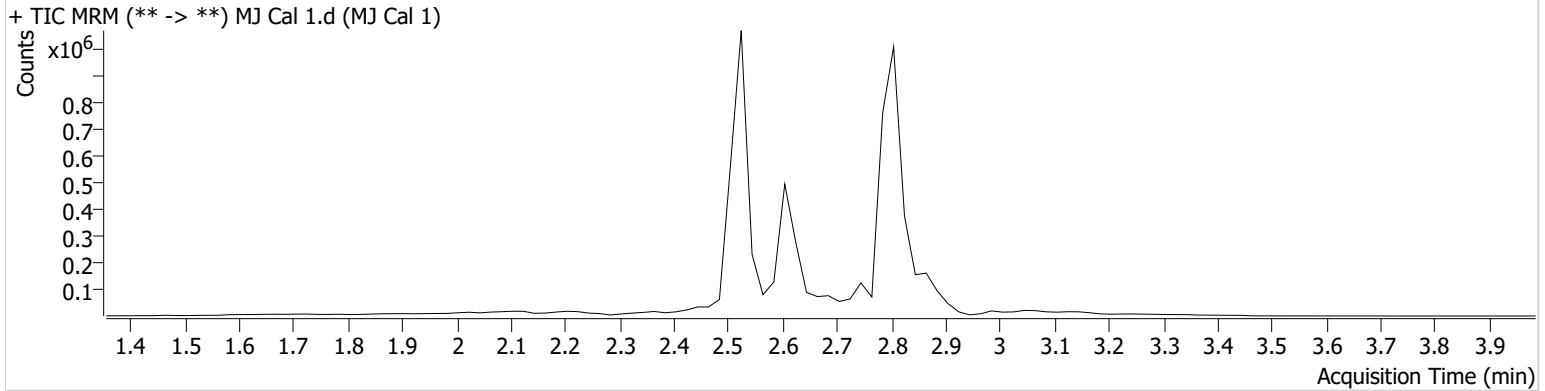


AM #26 Cannabinoids Screen Results

Batch results G:\TOX\Pocatello\Falco\2021\AM 25-26\041321 AM 25 26 AG TS\QuantResults\AM 26 AG.batch.bin
Calibration Last Update 4/19/2021 1:11:19 PM

Instrument	Instrument 1	Data File	MJ Cal 1.d
Type	Cal	Sample	MJ Cal 1
Acq. Method	AM 26 THCS.m	Operator	Tamara Salazar
Sample Position	P1-A1	Comment	
Injection Volume	10		
Acq. Date-Time	4/13/2021 12:42:25 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC-COOH	2.625	85145	756231	6.2730 ng/ml
THC-OH	2.534	3315	1865730	1.2438 ng/ml Low

TS

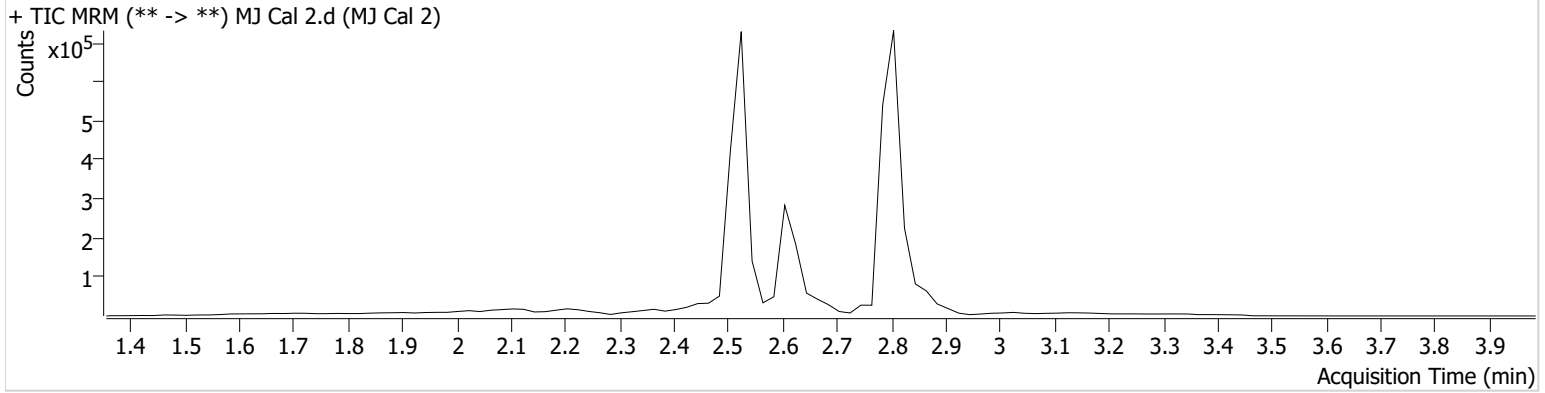


AM #26 Cannabinoids Screen Results

Batch results G:\TOX\Pocatello\Falco\2021\AM 25-26\041321 AM 25 26 AG TS\QuantResults\AM 26 AG.batch.bin
Calibration Last Update 4/19/2021 1:11:19 PM

Instrument	Instrument 1	Data File	MJ Cal 2.d
Type	Cal	Sample	MJ Cal 2
Acq. Method	AM 26 THCS.m	Operator	Tamara Salazar
Sample Position	P1-B1	Comment	
Injection Volume	10		
Acq. Date-Time	4/13/2021 12:49:07 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC-COOH	2.625	97526	433787	9.1725 ng/ml
THC-OH	2.534	5585	1461667	2.5499 ng/ml Low

TS



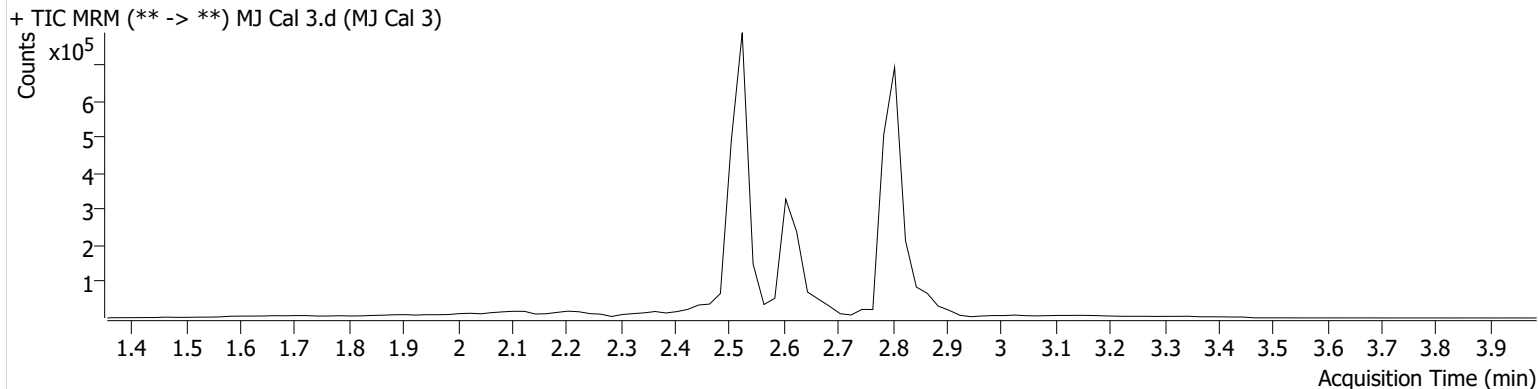
AM #26 Cannabinoids Screen Results

Batch results G:\TOX\Pocatello\Falco\2021\AM 25-26\041321 AM 25 26 AG TS\QuantResults\AM 26 AG.batch.bin
Calibration Last Update 4/19/2021 1:11:19 PM

Instrument	Instrument 1	Data File	MJ Cal 3.d
Type	Cal	Sample	MJ Cal 3
Acq. Method	AM 26 THCS.m	Operator	Tamara Salazar
Sample Position	P1-C1	Comment	
Injection Volume	10		
Acq. Date-Time	4/13/2021 12:55:40 PM		

Sample Info.

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	2.879	2338	36013	4.1502 ng/ml
THC-COOH	2.625	184412	440647	14.1760 ng/ml
THC-OH	2.534	11123	1572162	4.6289 ng/ml

TS

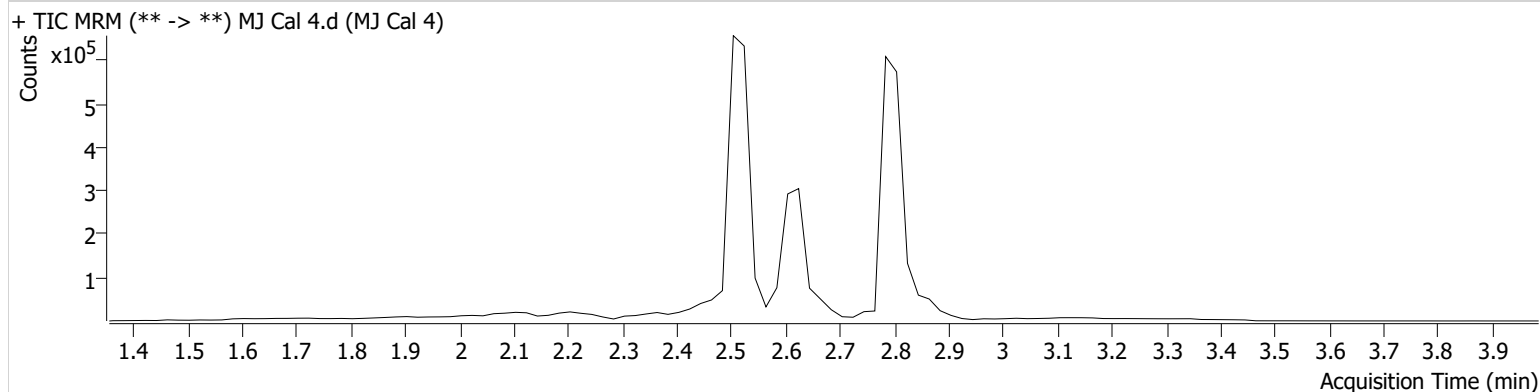


AM #26 Cannabinoids Screen Results

Batch results G:\TOX\Pocatello\Falco\2021\AM 25-26\041321 AM 25 26 AG TS\QuantResults\AM 26 AG.batch.bin
Calibration Last Update 4/19/2021 1:11:19 PM

Instrument	Instrument 1	Data File	MJ Cal 4.d
Type	Cal	Sample	MJ Cal 4
Acq. Method	AM 26 THCS.m	Operator	Tamara Salazar
Sample Position	P1-D1	Comment	
Injection Volume	10		
Acq. Date-Time	4/13/2021 1:02:11 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	2.879	2999	23407	12.3089 ng/ml
THC-COOH	2.625	371151	191140	53.5283 ng/ml
THC-OH	2.514	22166	1438483	9.9535 ng/ml

TS

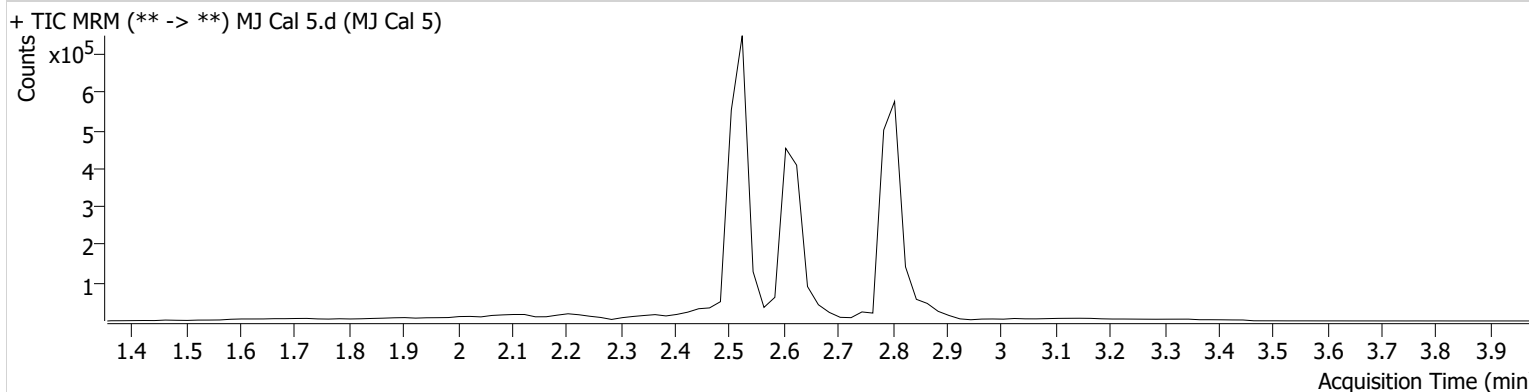


AM #26 Cannabinoids Screen Results

Batch results G:\TOX\Pocatello\Falco\2021\AM 25-26\041321 AM 25 26 AG TS\QuantResults\AM 26 AG.batch.bin
Calibration Last Update 4/19/2021 1:11:19 PM

Instrument	Instrument 1	Data File	MJ Cal 5.d
Type	Cal	Sample	MJ Cal 5
Acq. Method	AM 26 THCS.m	Operator	Tamara Salazar
Sample Position	P1-E1	Comment	
Injection Volume	10		
Acq. Date-Time	4/13/2021 1:08:45 PM		

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	2.879	4481	20076	24.5794 ng/ml
THC-COOH	2.625	487257	327303	41.8236 ng/ml
THC-OH	2.534	47181	1271664	23.8133 ng/ml

TS

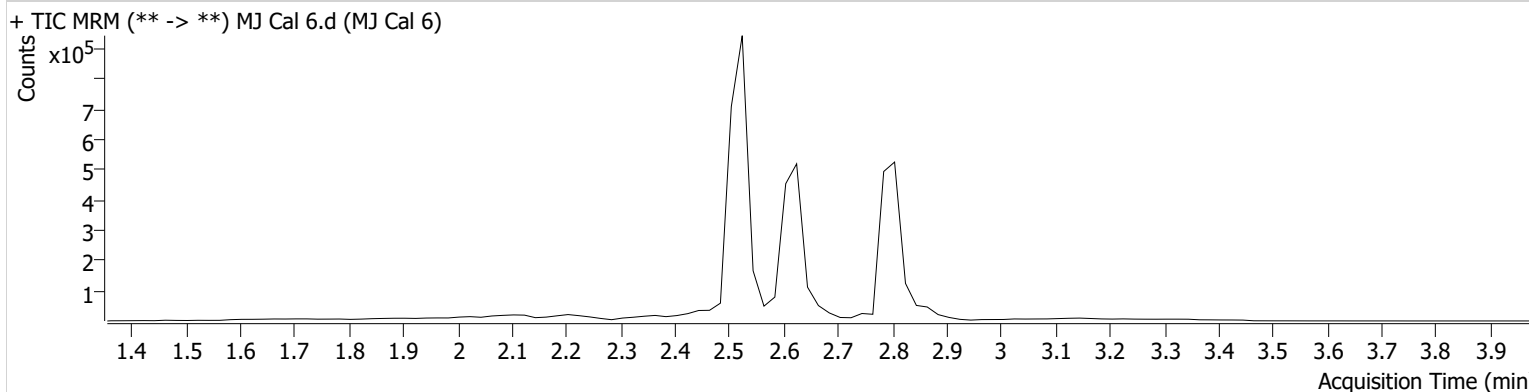


AM #26 Cannabinoids Screen Results

Batch results G:\TOX\Pocatello\Falco\2021\AM 25-26\041321 AM 25 26 AG TS\QuantResults\AM 26 AG.batch.bin
Calibration Last Update 4/19/2021 1:11:19 PM

Instrument	Instrument 1	Data File	MJ Cal 6.d
Type	Cal	Sample	MJ Cal 6
Acq. Method	AM 26 THCS.m	Operator	Tamara Salazar
Sample Position	P1-F1	Comment	
Injection Volume	10		
Acq. Date-Time	4/13/2021 1:15:16 PM		

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	2.879	7728	19611	46.6282 ng/ml
THC-COOH	2.625	680523	169808	106.8969 ng/ml
THC-OH	2.534	103384	1286666	51.4454 ng/ml

TS

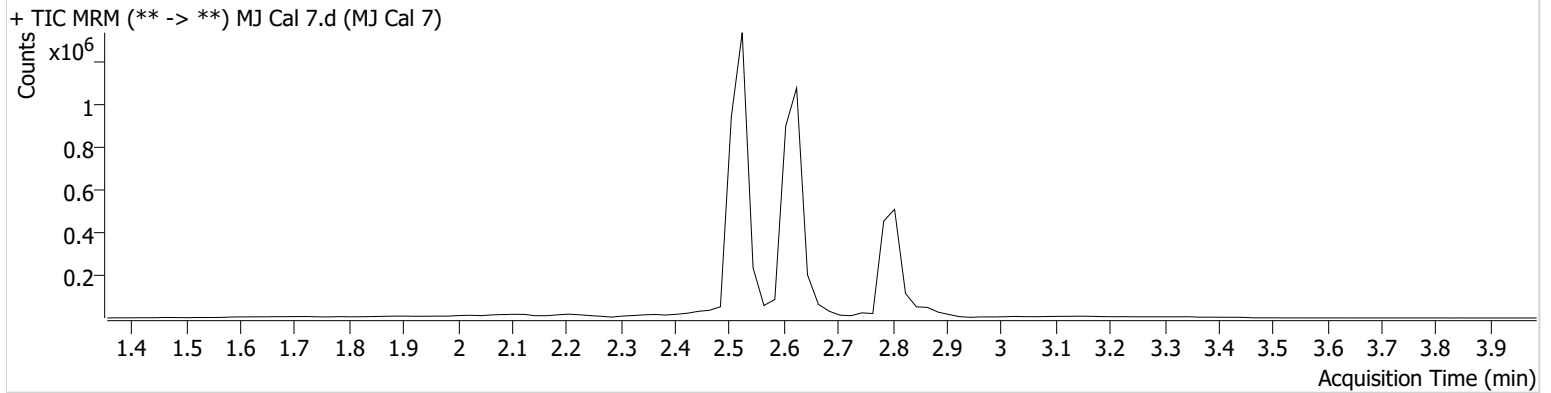


AM #26 Cannabinoids Screen Results

Batch results G:\TOX\Pocatello\Falco\2021\AM 25-26\041321 AM 25 26 AG TS\QuantResults\AM 26 AG.batch.bin
Calibration Last Update 4/19/2021 1:11:19 PM

Instrument	Instrument 1	Data File	MJ Cal 7.d
Type	Cal	Sample	MJ Cal 7
Acq. Method	AM 26 THCS.m	Operator	Tamara Salazar
Sample Position	P1-G1	Comment	
Injection Volume	10		
Acq. Date-Time	4/13/2021 1:21:46 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	2.879	15464	18730	102.3334 ng/ml
THC-COOH	2.625	1525688	163148	244.9533 ng/ml
THC-OH	2.534	201387	1283397	100.3651 ng/ml