

REVIEWED

By Sarah Collins at 8:48 am, Jul 21, 2021

TS










7/8/2021

Worklist: 5091

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
M2021-2484	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2021-2895	3	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-1862	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-1871	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-1900	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-1908	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-1909	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-1915	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-1926	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-1990	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-1991	2	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-1996	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-2013	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-2033	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-2094	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-2094	2	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-2095	2	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-2168	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-2170	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-2227	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-2228	3	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	

Worklist: 5091

TS

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
P2021-2231	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-2254	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-2260	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-2268	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-2269	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-2270	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-2271	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-2272	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
P2021-2286	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	

TS

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

Extraction Date: 07/09/2021

Plate lot#: IDP-120-210611

Mobile phase A: 10mM Amm Form

Instant Buffer I

Blank Blood Lot: Lampire 20L20723

LCMS-QQQ ID: 069901

Analyst: Tamara Salazar

Plate Re-Test Date: 12/11/2021

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 and urine** (if applicable) 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 urine+base (if applicable)** mixture to corresponding wells of SLE+ plate.
Amount transferred: *300uL*
- 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 **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. If run contains urine, add 50µL 1% HCl in MeOH to wells and place plate cover on plate before drying.
- 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:

TS

	1	2	3	4	5	6	7	8	9	10	11	12
A	IS + Cal. 1	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	P2021-2272-1	P2021-2228-3	P2021-2013-1	P2021-1900-1
B	IS + Cal. 1	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	P2021-2271-1	P2021-2227-1	P2021-1996-1	P2021-1871-1
C	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	P2021-2270-1	P2021-2170-1	P2021-1991-2	P2021-1862-1
D	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	P2021-2269-1	P2021-2168-1	P2021-1990-1	M2021-2895-3
E	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	P2021-2268-1	P2021-2095-2	P2021-1926-1	M2021-2484-1
F	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	P2021-2260-1	P2021-2094-2	P2021-1915-1	Neg Blood
G	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	P2021-2254-1	P2021-2094-1	P2021-1909-1	IS + Cal. 1
H	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	P2021-2286-1	P2021-2231-1	P2021-2033-1	P2021-1908-1	IS + Cal. 1

All wells to
contain 60 μ l
of residual
DMSO

TS

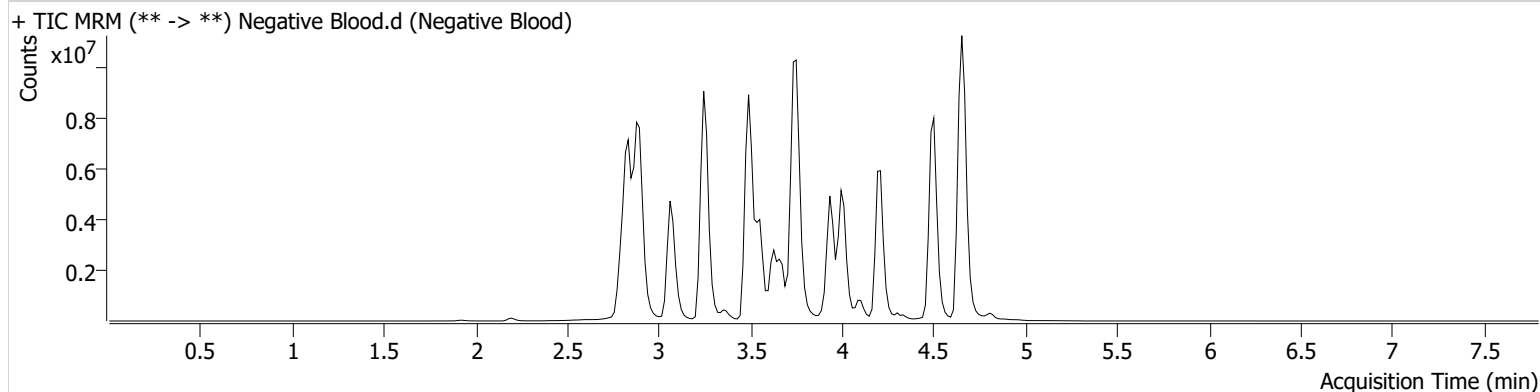


AM #25 Multi-Drug Screen Results

Batch results D:\MassHunter\Data\2021\AM 25-26\070921 AM 25 26 TS\QuantResults\AM 25.batch.bin
Calibration Last Update 7/14/2021 10:30:34 AM

Instrument	Falco (069901)	Data File	Negative Blood.d
Type	Sample	Sample	Negative Blood
Acq. Method	AM 25 MDS.m	Operator	Tamara Salazar
Sample Position	P2-F12	Comment	
Injection Volume	5		
Acq. Date-Time	7/9/2021 6:08:44 PM		
Sample Info.			

Sample Chromatogram



TS

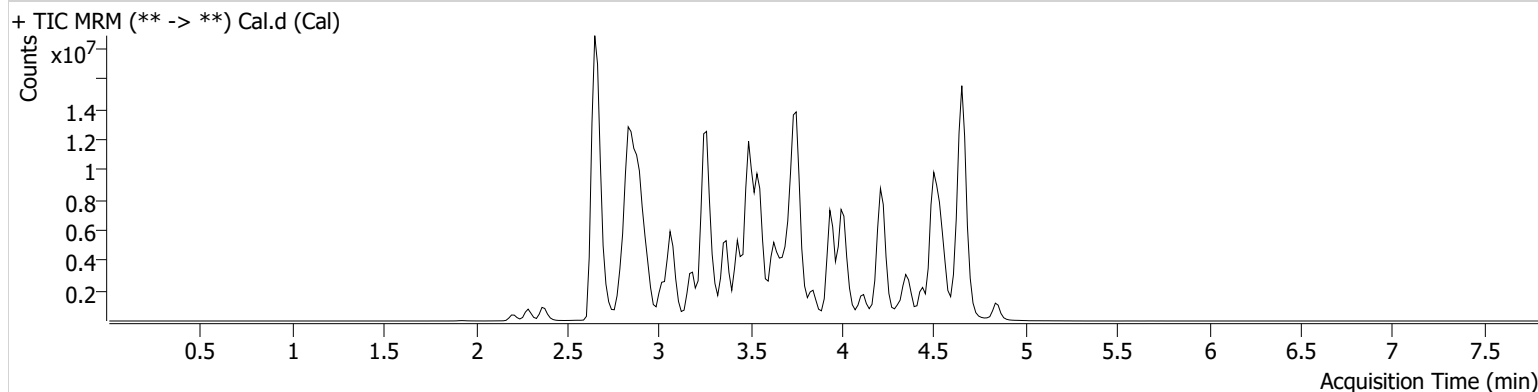


AM #25 Multi-Drug Screen Results

Batch results D:\MassHunter\Data\2021\AM 25-26\070921 AM 25 26 TS\QuantResults\AM 25.batch.bin
Calibration Last Update 7/14/2021 10:30:34 AM

Instrument	Falco (069901)	Data File	Cal.d
Type	Cal	Sample	Cal
Acq. Method	AM 25 MDS.m	Operator	Tamara Salazar
Sample Position	P2-H12	Comment	
Injection Volume	5		
Acq. Date-Time	7/9/2021 6:00:09 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
6-MAM	2.816	56815	22946.82	84029.95	2013412	10.0000
7-aminoclonazepam	3.554	1175913	∞	672747.27	7485093	10.0000
7-aminoflunitrazepam	3.768	2558651	1552.03	44294.32	7485093	10.0000
Acetyl Fentanyl	3.687	51101	30.81	21218.73	25961057	10.0000
Acetyl Norfentanyl	2.840	349886	503821.04	148.78	25961057	10.0000
a-hydroxyalprazolam	4.515	463842	939.03	439313.64	7485093	10.0000
alpha-hydroxymidazolam	4.529	1506247	200.03	372.17	7485093	10.0000
Alpha-PHP	3.711	1777333	9823.96	5562.86	25961057	10.0000
alpha-PVP	3.437	3372205	793.67	556.27	7098355	10.0000
Alprazolam	4.626	3533150	706.35	337.30	27787028	10.0000
Amitriptyline	4.339	53878	21.44	20.99	284563	10.0000
Amphetamine	2.844	2410997	640.09	1183.91	7098355	10.0000
Benzoylcegonine	3.385	397641	176857.57	552.04	741522	10.0000
Brompheniramine	3.949	16954	76.83	365.30	16565287	10.0000
Buprenorphine	4.021	111099	47435.39	10080.68	458352	10.0000
Bupropion	3.635	2254763	1460.61	259.55	8639900	10.0000
Carbamazepine	4.235	12338948	∞	1007.32	1183515	10.0000
Carisoprodol	4.217	2213746	640.45	285.31	12301476	10.0000
Chlordiazepoxide	4.643	1143883	286.12	1087.72	27787028	10.0000
Chlorpheniramine	3.846	1562844	11286.21	27.30	16565287	10.0000
Citalopram	3.979	816897	200.18	131.70	16565287	10.0000
Clomipramine	4.517	92697	45567.69	467.33	16565287	10.0000
Clonazepam	4.440	2371210	3344738.88	229.71	27787028	10.0000
Clonazolam	4.360	2380598	1116030.79	586187.71	27787028	10.0000
Cocaethylene	3.703	3893688	4146051.72	1418998.48	25548499	10.0000
Cocaine	3.491	5436707	3131993.99	455.18	25548499	10.0000
Codeine	2.714	400279	831779.97	2336.45	10587679	10.0000
Cyclobenzaprine	4.262	114318	2105.97	∞	284563	10.0000
Desipramine	4.294	158543	85.18	58.31	284563	10.0000
Dextromethorphan	3.985	275615	626.89	76.49	1625244	10.0000
Dextrorphan	3.311	1669200	12528.58	1929.69	1625244	10.0000
Diazepam	4.843	1604176	617.21	1952.24	27787028	10.0000
Dihydrocodeine	2.682	1006251	1520.25	329.94	10587679	10.0000
Diphenhydramine	3.940	2297748	1824.78	244.98	16565287	10.0000

Cal

TS



AM #25 Multi-Drug Screen Results

Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
Doxepin	4.044	137801	35.97	9.11	3579917	10.0000
Doxylamine	3.540	7646089	41248.52	7203041.65	1625244	10.0000
EDDP	3.999	474605	283.09	165675.05	1327624	10.0000
Estazolam	4.535	7775251	1053.62	1385.02	27787028	10.0000
Etizolam	4.636	495387	418457.86	1411930.25	27787028	10.0000
Fentanyl	3.916	23485	14.51	6930.43	1491035	10.0000
Flualprazolam	4.484	1450973	421284.82	1480779.72	27787028	10.0000
Flunitrazepam	4.564	4143560	9148.99	3125299.53	27787028	10.0000
Fluoxetine	4.258	85497	110.75	4.81 Low	184329	10.0000
Flurazepam	4.022	1016772	630821.88	54.99	27787028	10.0000
Hydrocodone	2.897	1583873	912.81	244.79	10587679	10.0000
Hydromorphone	2.367	1415069	1995.43	502.39	232662	10.0000
Imipramine	4.291	284405	231649.18	91.36	284563	10.0000
Ketamine	3.282	3532840	848.04	70.23	15547279	10.0000
Lamotrigine	3.434	330740	1847.92	241236.52	16565287	10.0000
Levamisole	2.856	2796647	3532.51	496.86	25548499	10.0000
Levetiracetam	2.659	2213530	587.51	588.80	16565287	10.0000
Lorazepam	4.439	717938	467.44	82.21	27787028	10.0000
Maprotiline	4.324	42978	8.87	27.87	284563	10.0000
MDA	2.948	2360096	365.69	166.77	14125320	10.0000
MDEA	3.177	3145233	354.68	309.57	14125320	10.0000
MDMA	3.024	4378057	8139.91	680.17	14125320	10.0000
Meperidine	3.511	1530345	1761.12	1069.87	1625244	10.0000
Meprobamate	3.652	1278084	730.86	212.96	12301476	10.0000
Methadone	4.319	972409	158.28	1495.67	1327624	10.0000
Methamphetamine	2.935	3096171	302.72	3076.45	14125320	10.0000
Methocarbamol	3.573	677070	128.56	184.62	1327624	10.0000
Methylphenidate	3.436	7008660	1140.14	183.32	14472636	10.0000
Metoprolol	3.371	594301	1084.08	20218.78	1625244	10.0000
Midazolam	4.484	405669	573065.60	216904.67	27787028	10.0000
Mirtazapine	3.601	719400	12754.79	3517.54	1625244	10.0000
Mitragynine	4.052	37515	31025.21	77416.54	1625244	10.0000
Morphine	2.215	276254	728891.68	264.88	232662	10.0000
Norbuprenorphine	3.746	19697	33583.39	14658.65	458352	10.0000
Nordiazepam	4.692	1971363	1235626.87	2814.22	27787028	10.0000
Norfentanyl	3.267	6010240	4480411.69	465.03	25961057	10.0000
Norhydrocodone	2.868	33067	21946.10	28570.61	232662	10.0000
Norketamine	3.268	720189	233.96	21195.61	15547279	10.0000
Normeperidine	3.528	1240894	5180.12	160.34	16565287	10.0000
Noroxycodone	2.835	1420518	207.51	779.05	15547279	10.0000
Nortriptyline	4.340	39689	91078.92	13.71	284563	10.0000
O-desmethyl-tramadol	2.869	8042337	9735.57	317.36	16565287	10.0000
Olanzapine	3.306	84957	49466.27	7898.02	1183515	10.0000
Oxazepam	4.505	3393507	735.37	544.56	16178391	10.0000
Oxycodone	2.848	3173144	602.96	758.83	15547279	10.0000
Oxymorphone	2.286	1496663	436.69	320.62	232662	10.0000
Paroxetine	4.254	11843	4468.30	1297.63	184329	10.0000
Phenazepam	4.636	3512978	3072.22	1091314.20	27787028	10.0000
Phencyclidine	3.850	1950662	13641.67	178.37	1625244	10.0000
Phentermine	3.087	1155057	177.77	9.97	14472636	10.0000
Phenytoin	4.126	1986879	2431.24	6357.90	1183515	10.0000
Promethazine	4.214	341934	487.15	42.58	16565287	10.0000
Pseudoephedrine	2.660	43730643	1878.53	2286.48	14125320	10.0000
Quetiapine	4.160	1035693	754.52	178955.93	31637496	10.0000
Sertraline	4.473	32585	167.08	79.69	184329	10.0000
Sufentanil	4.175	9430	8752.35	202.66	25961057	10.0000
Tapentadol	3.375	4126677	1567.32	566.50	15547279	10.0000
Temazepam	4.673	6247976	522.41	385.07	27787028	10.0000
Tramadol	3.356	8063736	1278.51	129.92	16565287	10.0000
Trazodone	4.023	816598	260.81	295.61	3579917	10.0000

Cal

TS

AM #25 Multi-Drug Screen Results



Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
Venlafaxine	3.722	5082442	8899.41	434.27	184329	10.0000
Zaleplon	4.351	3333757	4041420.88	1274529.69	31637496	10.0000
Zolpidem	3.751	7232879	13468.74	514.07	31637496	10.0000
Zopiclone	3.670	1020417	356039.77	1292.67	5343998	10.0000

TS

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

Extraction Date: 07/09/2021

Analyst: Tamara Salazar

Plate lot#: IDP-108-2-21609

Plate Re-Test Date: 12-09-21

Mobile phase A: 0.1% Formic Acid in LCMS Water **Mobile phase B:** 0.1% Formic acid in Acetonitrile

Blank Blood Lot: Lampire 20L20723

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

LCMS-QQ 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 and urine (if applicable) (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, 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: 800uL
- 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:

TS

	1	2	3	4	5	6
A	IS + Cal. 1	Neg Blood	P2021-1915-1	P2021-2094-2	P2021-2260-1	IS + QC_1
B	IS + Cal. 2	M2021-2484-1 (moved to H5 due to blood clot)	P2021-1926-1	P2021-2095-2	P2021-2268-1	IS + Cal. 7
C	IS + Cal. 3	M2021-2895-3	P2021-1990-1	P2021-2168-1	P2021-2269-1	IS + Cal. 6
D	IS + Cal. 4	P2021-1862-1	P2021-1991-2	P2021-2170-1	P2021-2270-1	IS + Cal. 5
E	IS + Cal. 5	P2021-1871-1	P2021-1996-1	P2021-2227-1	P2021-2271-1	IS + Cal. 4
F	IS + Cal. 6	P2021-1900-1	P2021-2013-1	P2021-2228-3	P2021-2272-1	IS + Cal. 3
G	IS + Cal. 7	P2021-1908-1	P2021-2033-1	P2021-2231-1	P2021-2286-1	IS + Cal. 2
H	IS + QC_1	P2021-1909-1	P2021-2094-1	P2021-2254-1	M2021-2484-1	IS + Cal. 1

All wells to contain 100 μ l of residual DMSO

TS

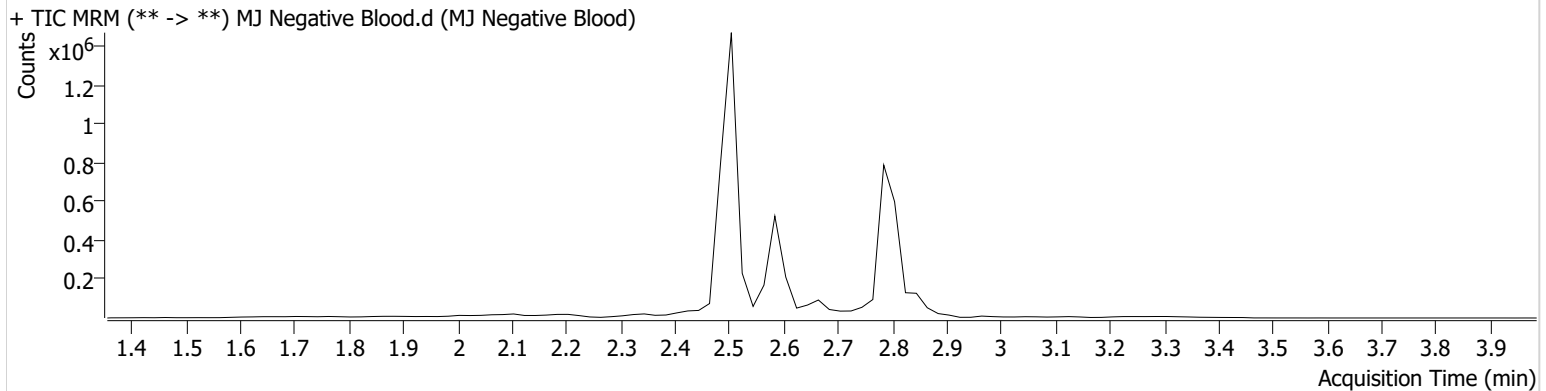


AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2021\AM 25-26\070921 AM 25 26 TS\QuantResults\AM 26.batch.bin
Calibration Last Update 7/14/2021 10:36:12 AM

Instrument	Falco (069901)	Data File	MJ Negative Blood.d
Type	Sample	Sample	MJ Negative Blood
Acq. Method	AM 26 THCS.m	Operator	Tamara Salazar
Sample Position	P1-A2	Comment	
Injection Volume	10		
Acq. Date-Time	7/9/2021 1:28:36 PM		
Sample Info.			

Sample Chromatogram



TS

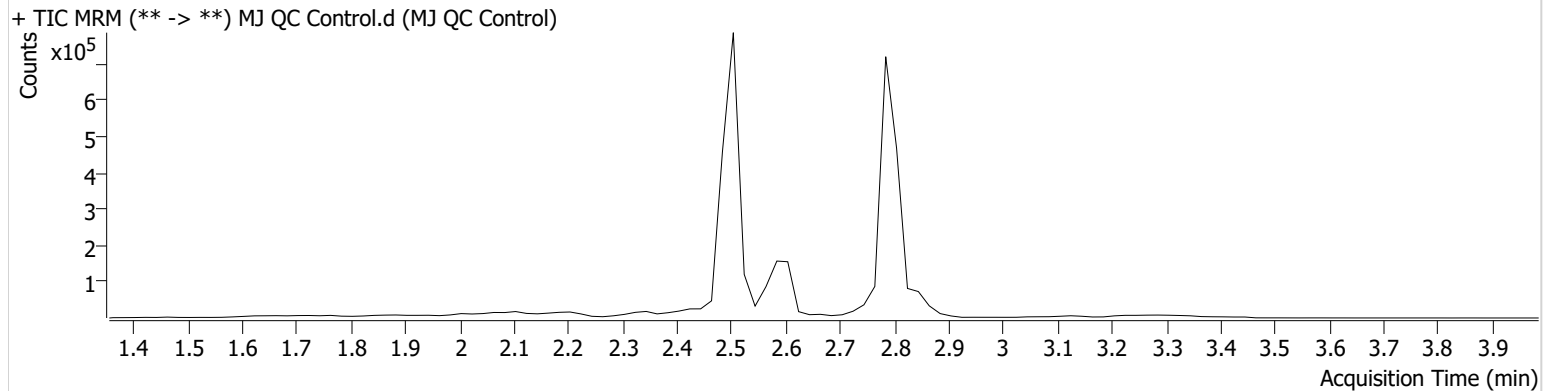


AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2021\AM 25-26\070921 AM 25 26 TS\QuantResults\AM 26.batch.bin
Calibration Last Update 7/14/2021 10:36:12 AM

Instrument	Falco (069901)	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	7/9/2021 1:15:32 PM		

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	2.859	3539	88174	4.8192 ng/ml
THC-COOH	2.587	64813	190981	17.2671 ng/ml
THC-OH	2.514	12142	1534621	5.3155 ng/ml

TS

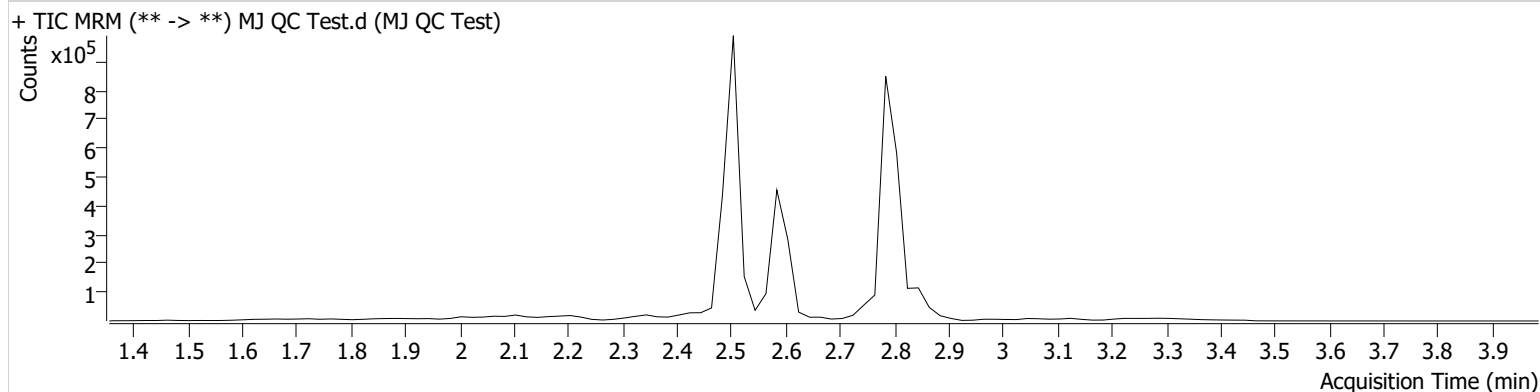


AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2021\AM 25-26\070921 AM 25 26 TS\QuantResults\AM 26.batch.bin
Calibration Last Update 7/14/2021 10:36:12 AM

Instrument	Falco (069901)	Data File	MJ QC Test.d
Type	Sample	Sample	MJ QC Test
Acq. Method	AM 26 THCS.m	Operator	Tamara Salazar
Sample Position	P1-H1	Comment	
Injection Volume	10		
Acq. Date-Time	7/9/2021 4:57:31 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	2.859	5588	141003	4.7596 ng/ml
THC-COOH	2.607	103274	570566	10.6753 ng/ml
THC-OH	2.514	11820	1754749	4.5354 ng/ml

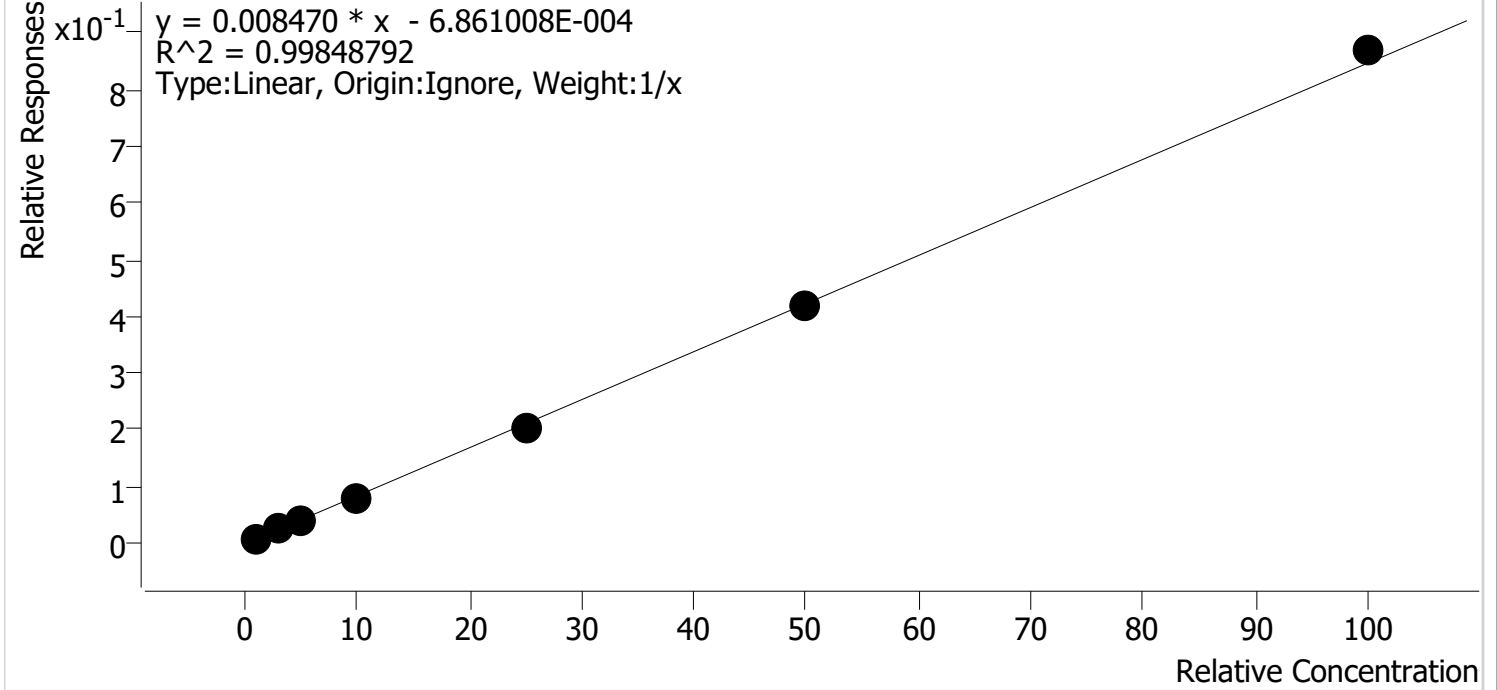


TS

AM #26 Cannabinoids Screen Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 25-26\070921 AM 25 26 TS\QuantResults\AM 26.batch.bin
 Last Cal. Update 7/14/2021 10:36 AM
 Analyst Name ISP\Datastor
 Analyte THC Internal Standard THC-D3

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



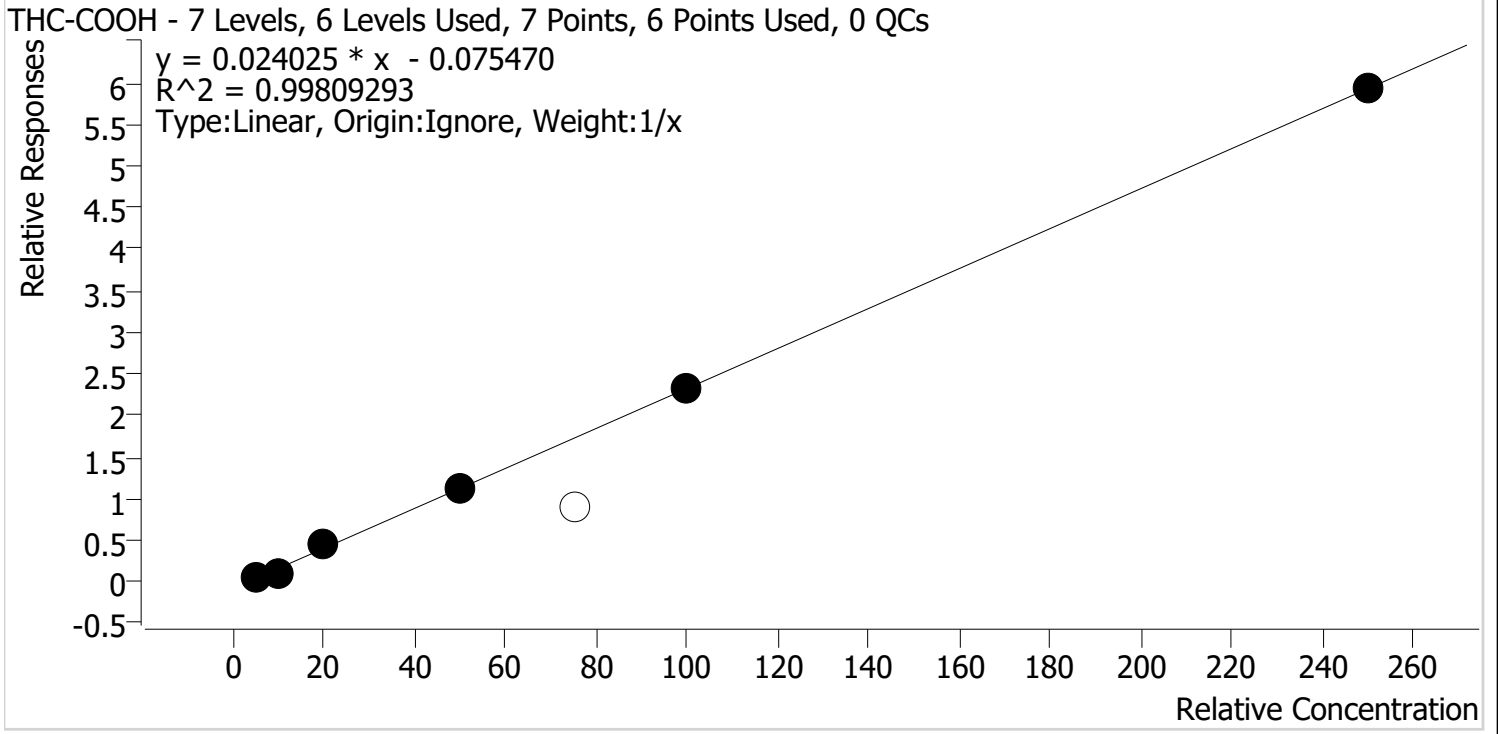
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
MJ Cal 1	1	✓	1.0	1.1	108.3
MJ Cal 2	2	✓	3.0	3.2	107.5
MJ Cal 3	3	✓	5.0	4.9	97.1
MJ Cal 4	4	✓	10.0	9.1	90.6
MJ Cal 5	5	✓	25.0	23.8	95.0
MJ Cal 6	6	✓	50.0	49.5	98.9
MJ Cal 7	7	✓	100.0	102.6	102.6



TS

AM #26 Cannabinoids Screen Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 25-26\070921 AM 25 26 TS\QuantResults\AM 26.batch.bin
 Last Cal. Update 7/14/2021 10:36 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	5.8	115.1
MJ Cal 2	2	✓	10.0	7.9	79.0
MJ Cal 3	3	✓	20.0	21.3	106.5
MJ Cal 4	4	✓	50.0	49.3	98.7
MJ Cal 5	5	✗	75.0	39.8	53.1
MJ Cal 6	6	✓	100.0	100.7	100.7
MJ Cal 7	7	✓	250.0	250.0	100.0

Cal 5 dropped due to peak cutting off.

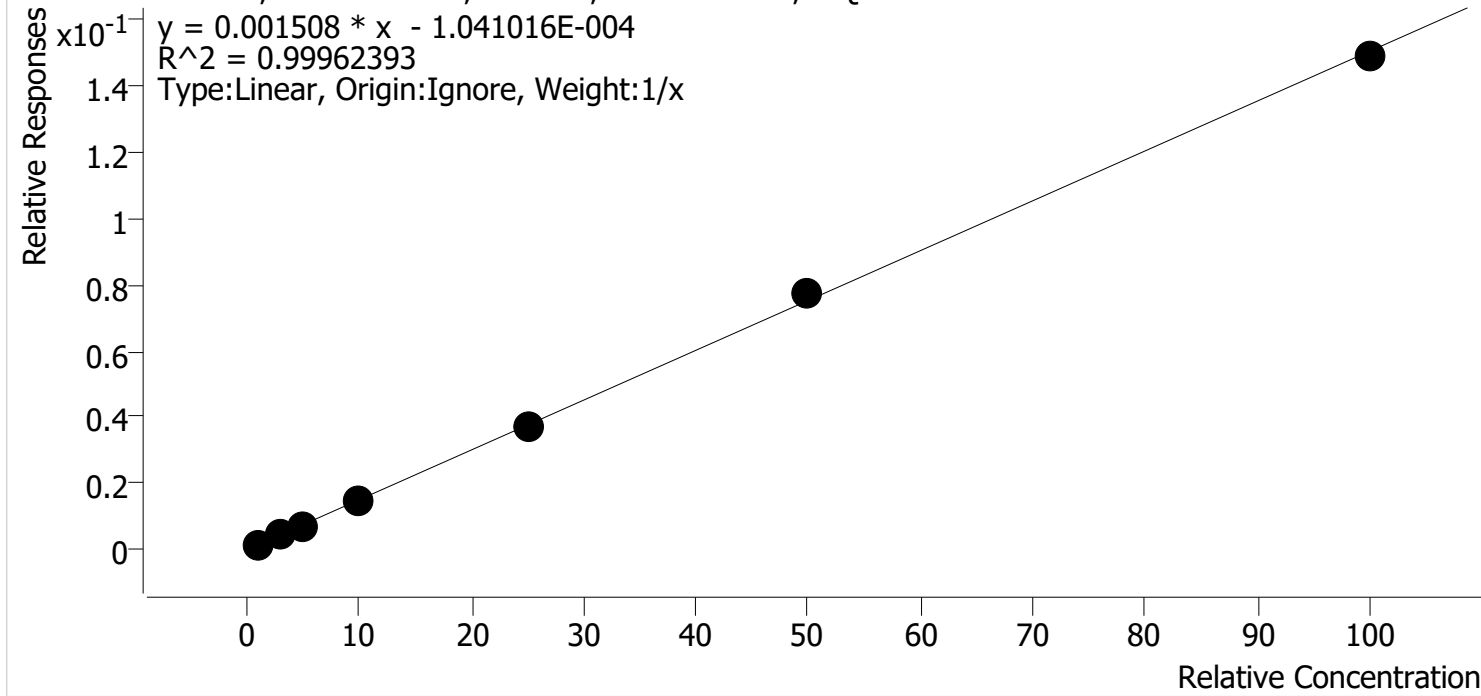
TS



AM #26 Cannabinoids Screen Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 25-26\070921 AM 25 26 TS\QuantResults\AM 26.batch.bin
Last Cal. Update 7/14/2021 10:36 AM
Analyst Name ISP\Datastor
Analyte THC-OH **Internal Standard** THC-OH-D3

THC-OH - 7 Levels, 7 Levels Used, 7 Points, 7 Points Used, 0 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
MJ Cal 1	1	✓	1.0	1.0	99.2
MJ Cal 2	2	✓	3.0	3.1	103.4
MJ Cal 3	3	✓	5.0	4.9	97.3
MJ Cal 4	4	✓	10.0	9.9	99.1
MJ Cal 5	5	✓	25.0	24.8	99.3
MJ Cal 6	6	✓	50.0	51.4	102.8
MJ Cal 7	7	✓	100.0	98.9	98.9

TS

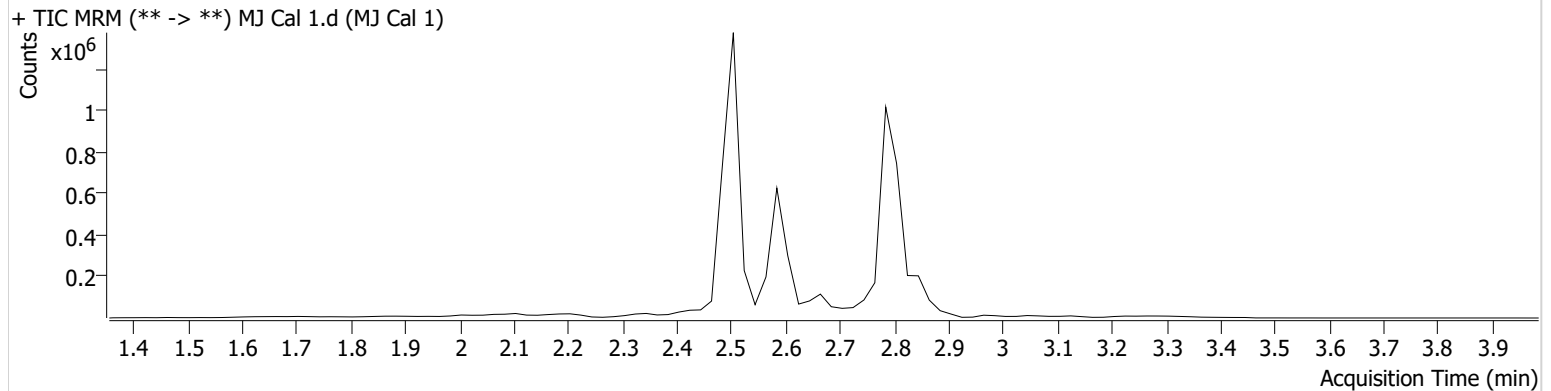


AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2021\AM 25-26\070921 AM 25 26 TS\QuantResults\AM 26.batch.bin
Calibration Last Update 7/14/2021 10:36:12 AM

Instrument Falco (069901) **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 7/9/2021 12:29:43 PM
Sample Info.

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.	
THC	2.859	2107	248312	1.0825 ng/ml	Low
THC-COOH	2.607	52489	836472	5.7532 ng/ml	
THC-OH	2.514	3805	2735279	0.9915 ng/ml	Low

TS



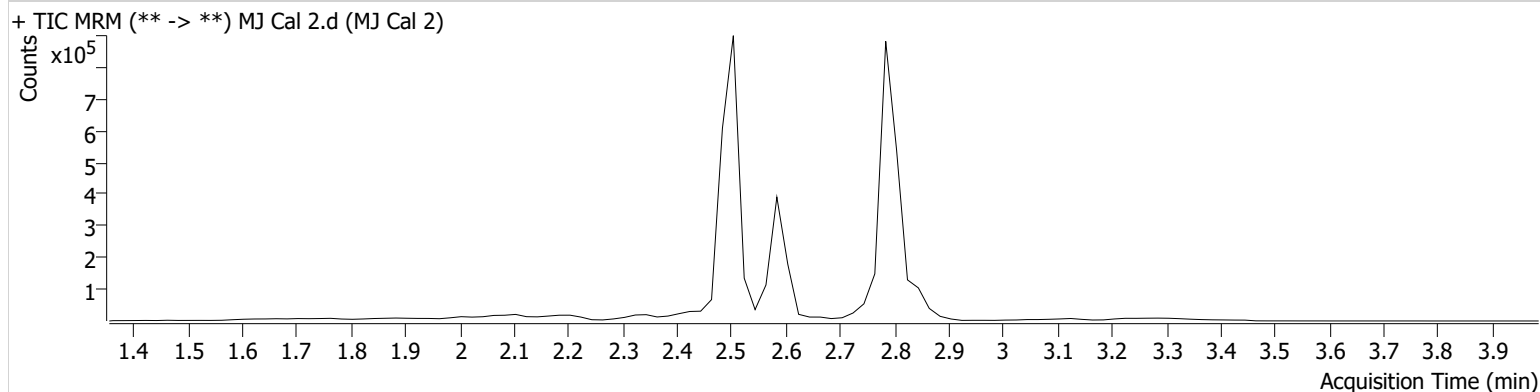
AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2021\AM 25-26\070921 AM 25 26 TS\QuantResults\AM 26.batch.bin
Calibration Last Update 7/14/2021 10:36:12 AM

Instrument	Falco (069901)	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	7/9/2021 12:36:25 PM		

Sample Info.

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	2.859	3903	146533	3.2258 ng/ml
THC-COOH	2.587	60259	526677	7.9036 ng/ml
THC-OH	2.514	8740	1911347	3.1011 ng/ml

TS

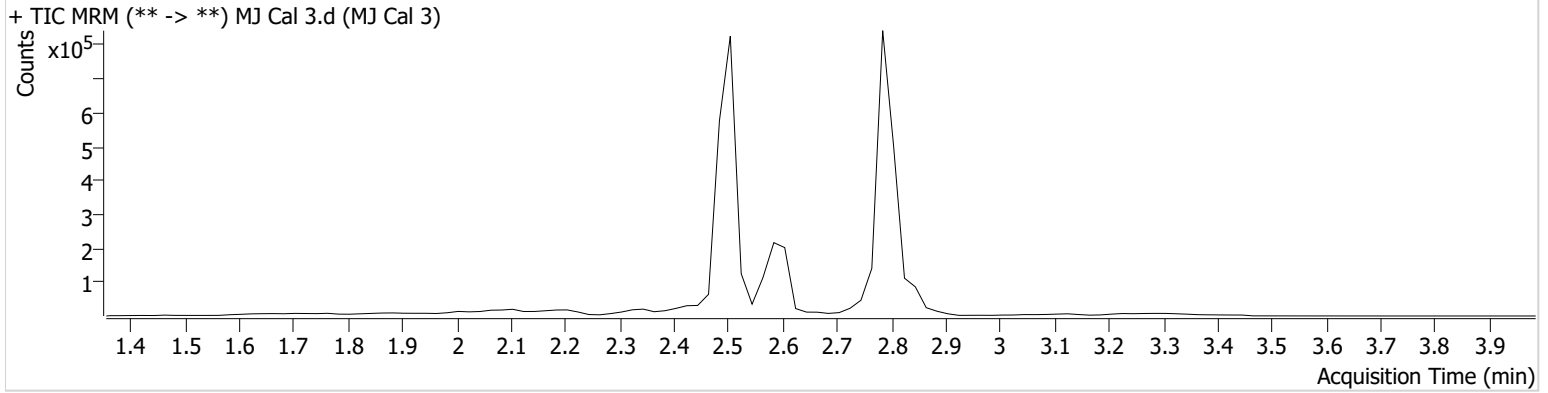


AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2021\AM 25-26\070921 AM 25 26 TS\QuantResults\AM 26.batch.bin
Calibration Last Update 7/14/2021 10:36:12 AM

Instrument Falco (069901) **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 7/9/2021 12:42:56 PM
Sample Info.

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	2.859	4612	114030	4.8560 ng/ml
THC-COOH	2.587	104187	238806	21.3010 ng/ml
THC-OH	2.514	12476	1724612	4.8659 ng/ml

TS



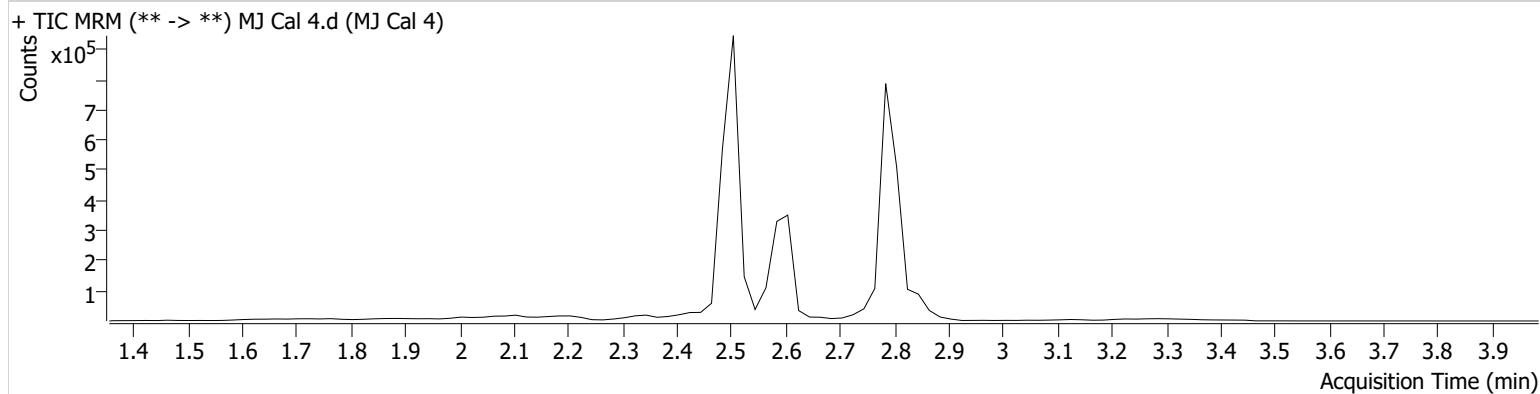
AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2021\AM 25-26\070921 AM 25 26 TS\QuantResults\AM 26.batch.bin
Calibration Last Update 7/14/2021 10:36:12 AM

Instrument	Falco (069901)	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	7/9/2021 12:49:28 PM		

Sample Info.

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	2.859	8584	112841	9.0615 ng/ml
THC-COOH	2.587	238413	214839	49.3323 ng/ml
THC-OH	2.514	26262	1768992	9.9132 ng/ml

TS

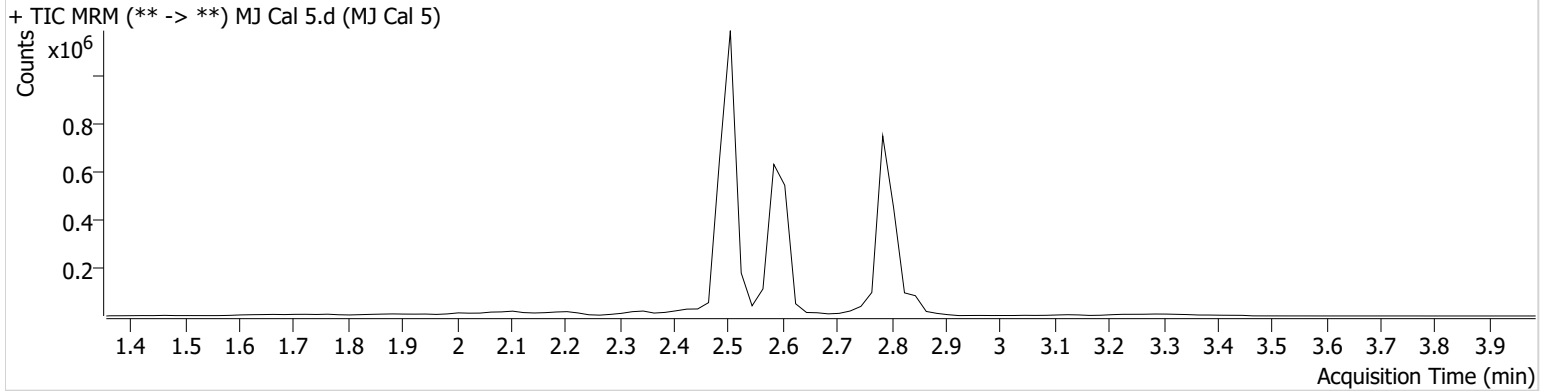


AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2021\AM 25-26\070921 AM 25 26 TS\QuantResults\AM 26.batch.bin
Calibration Last Update 7/14/2021 10:36:12 AM

Instrument Falco (069901) **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 7/9/2021 12:55:59 PM
Sample Info.

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	2.859	20701	103249	23.7509 ng/ml
THC-COOH	2.607	384097	436233	39.7903 ng/ml
THC-OH	2.514	67321	1803178	24.8253 ng/ml

TS

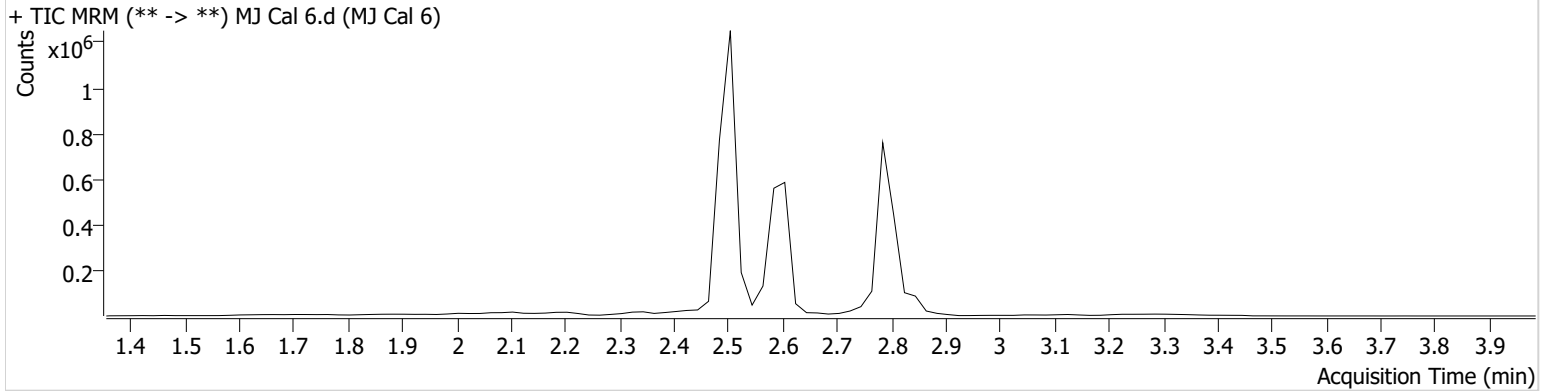


AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2021\AM 25-26\070921 AM 25 26 TS\QuantResults\AM 26.batch.bin
Calibration Last Update 7/14/2021 10:36:12 AM

Instrument	Falco (069901)	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	7/9/2021 1:02:30 PM		

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	2.859	38818	92816	49.4567 ng/ml
THC-COOH	2.587	477156	203489	100.7436 ng/ml
THC-OH	2.514	123367	1592919	51.4239 ng/ml

TS

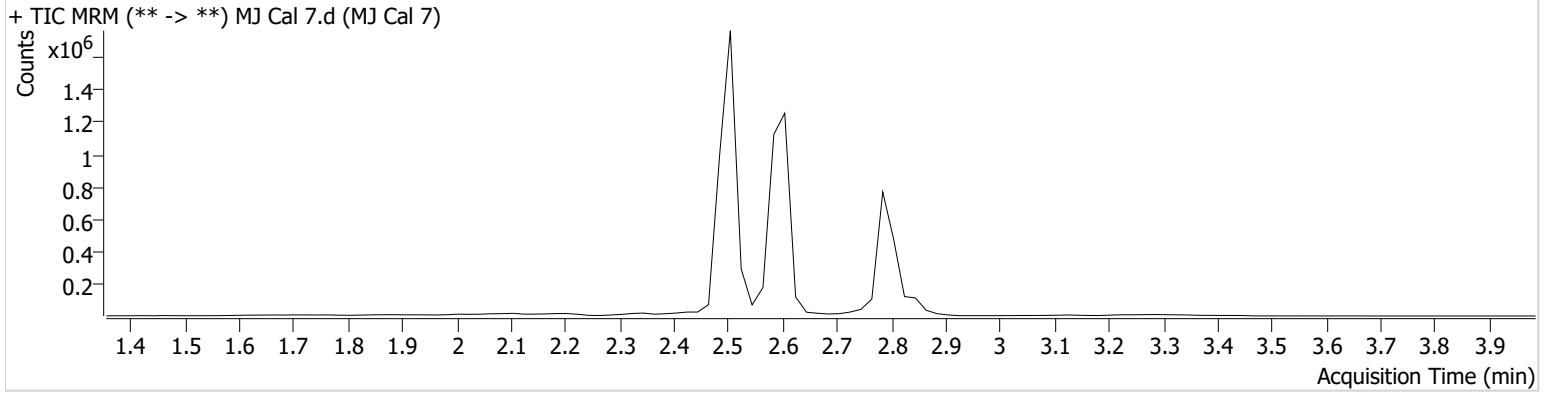


AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2021\AM 25-26\070921 AM 25 26 TS\QuantResults\AM 26.batch.bin
Calibration Last Update 7/14/2021 10:36:12 AM

Instrument	Falco (069901)	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	7/9/2021 1:09:01 PM		

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	2.859	79244	91286	102.5665 ng/ml
THC-COOH	2.587	1107093	186696	249.9663 ng/ml
THC-OH	2.514	230345	1545798	98.8791 ng/ml