REVIEWED
By Sarah Collins at 12:05 pm, Jan 27, 2022

REVIEWED
By Sarah Collins at 1:05 pm, Jan 24, 2022

1/6/2022 TS

*Due to inconsistencies between the AM 26 and AM 27 data. AM 26 needed to be re-ran. The re-extraction occurred on 01/26/2022. The new data was added to the original central data.

01/27/2022 TS

Worklist: 5495

LAB_CASE	ITEM	ITEM_TYPE	DESCRIPTION
M2021-5648	2	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2021-3893	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2021-3945	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2021-3980	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2021-3999	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2021-4017	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2021-4078	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2021-4124	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2021-4165	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2021-4201	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2021-4202	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2021-4209	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2021-4222	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2021-4224	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2021-4245	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2021-4246	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2021-4248	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2021-4249	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2021-4250	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2021-4251	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2021-4252	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ

Worklist: 5495

TS

LAB_CASE	ITEM	ITEM_TYPE	DESCRIPTION
P2022-0002	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2022-0007	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2022-0013	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2022-0032	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2022-0047	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2022-0048	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: 01/10/2022 Analyst: Tamara Salazar
Plate lot#: IDP-120-211015 Plate Re-Test Date: 04/15/2022
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 20L20725 **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, 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:
Negative control showed the possible indication of methamphetamine. As such, methamphetamine was not evaluated for this run. The samples were re-extracted and run on 01/18/2022 to check for the possible presence of methamphetamine.
Paroxetine not evaluated due to lack of the qualifier ion. Paroxetine was evaluated with the re-extracted run performed on 01/18/2022.

*Case sample P2021-3803-1 from worklist 5420 included with this extraction to check for the possible presence of cocaine.

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	IS + Sample	P2021-4252-1	P2021-4222-1	P2021-3999-1
B	IS + Cal. 1	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	P2022-0048-1	P2021-4251-1	P2021-4209-1	P2021-3980-1
C	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	P2022-0047-1	P2021-4250-1	P2021-4202-1	P2021-3945-1
D	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	M2021-5648-2	P2021-4249-1	P2021-4201-1	P2021-3893-1
E	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	P2022-0032-1	P2021-4248-1	P2021-4165-1	P2021-3803-1 (re-test)
F	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	P2022-0013-1	P2021-4246-1	P2021-4124-1	Neg Blood
G	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	P2022-0007-1	P2021-4245-1	P2021-4078-1	IS + Cal. 1
H	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	P2022-0002-1	P2021-4224-1	P2021-4017-1	IS + Cal. 1

All wells to contain 60 µl of residual DMSO

*Plate map for 01/10/2022 run. Negative control showed the possible presence of methamphetamine. The samples were re-extracted and run on a later date to look for the possible presence of methamphetamine.

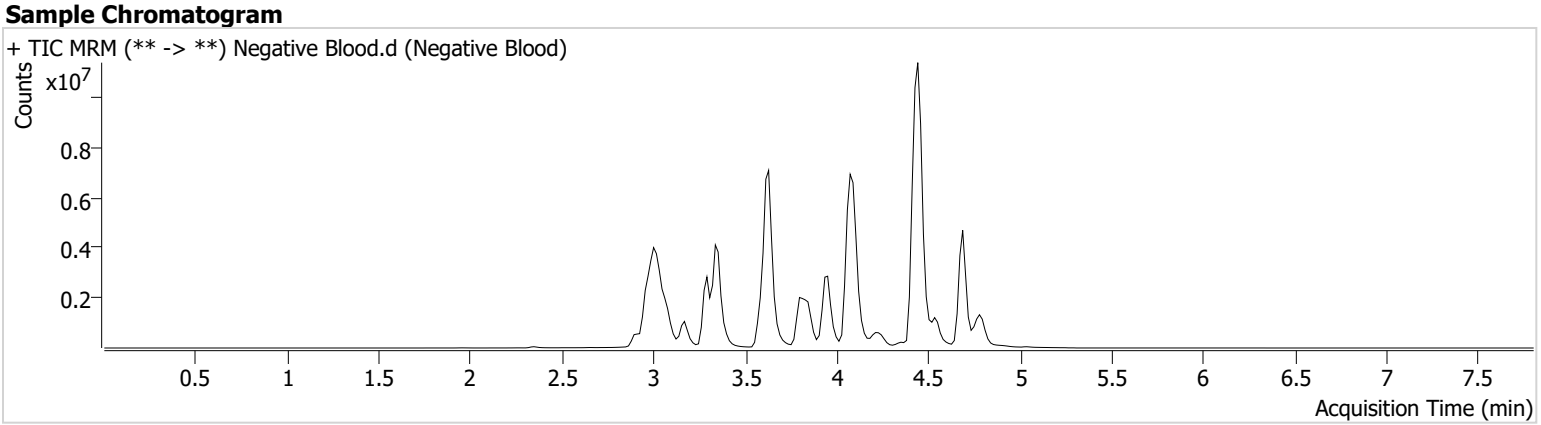
TS

AM #25 Multi-Drug Screen Results

Batch results D:\MassHunter\Data\2022\AM 25-26\011022 AM 25 26 TS\QuantResults\AM 25.batch.bin
Calibration Last Update 1/20/2022 12:30:34 PM

Instrument	Falco (069901)	**Data File**	Negative Blood.d
Type	Sample	**Sample**	Negative Blood
Acq. Method	AM 25 MDS.m	**Operator**	Tamara Salazar
Sample Position	P6-F12	**Comment**	
Injection Volume	5		
Acq. Date-Time	1/10/2022 5:39:23 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
Methamphetamine	3.042	3165805	399.70	777.01	9165077	16.9982 *

*Methamphetamine not evaluated.

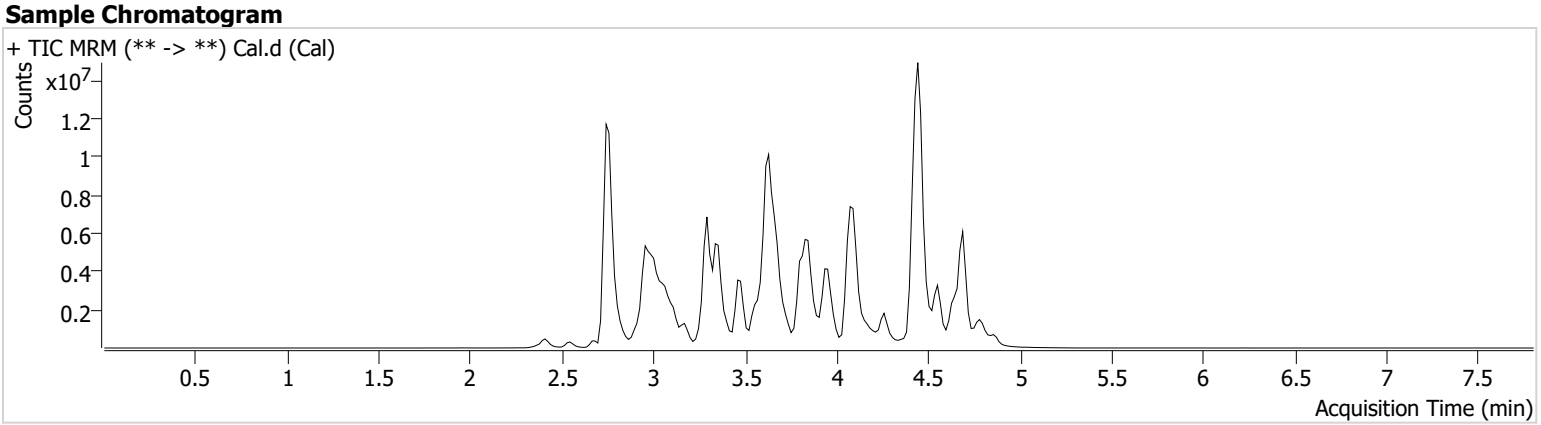
TS

AM #25 Multi-Drug Screen Results

Batch results D:\MassHunter\Data\2022\AM 25-26\011022 AM 25 26 TS\QuantResults\AM 25.batch.bin
Calibration Last Update 1/20/2022 12:30:34 PM

Instrument	Falco (069901)	**Data File**	Cal.d
Type	Cal	**Sample**	Cal
Acq. Method	AM 25 MDS.m	**Operator**	Tamara Salazar
Sample Position	P6-G12	**Comment**	
Injection Volume	5		
Acq. Date-Time	1/10/2022 5:30:49 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
6-MAM	2.984	19585	6317.53	15189.03	698868	10.0000
7-aminoclonazepam	3.602	1041122	1147999.81	330.51	4529302	10.0000
7-aminoflunitrazepam	3.802	2145543	2114823.60	705513.18	4529302	10.0000
Acetyl Fentanyl	3.998	33530	13486.04	28564.38	12589791	10.0000
Acetyl Norfentanyl	2.932	166035	152166.44	169.56	12589791	10.0000
a-hydroxyalprazolam	4.551	146691	240712.82	18312.69	4529302	10.0000
alpha-hydroxymidazolam	4.627	731579	6786.92	4436.37	4529302	10.0000
Alpha-PHP	3.899	1324819	51509.35	1885.49	12589791	10.0000
alpha-PVP	3.623	2460692	832.77	4844.92	1473768	10.0000
Alprazolam	4.646	2051360	∞	2125.80	13101962	10.0000
Amitriptyline	4.482	63982	45.34	21.61	246427	10.0000
Amphetamine	2.951	452239	1089.46	214.11	1473768	10.0000
Benzoylecgonine	3.418	182104	488.81	45444.61	362999	10.0000
Brompheniramine	4.076	9238	4640.98	124.05	13422007	10.0000
Buprenorphine	4.944	35547	9052.12	2267.91	134916	10.0000
Bupropion	3.884	1146602	802.87	612901.77	4659631	10.0000
Carbamazepine	4.270	3731091	13497.01	1069.40	28628	10.0000
Carisoprodol	4.268	150739	137964.47	44.60	715589	10.0000
Chlordiazepoxide	4.771	387729	457.50	3780.81	13101962	10.0000
Chlorpheniramine	3.988	1067182	155.89	102.99	13422007	10.0000
Citalopram	4.106	414083	532.78	62723.41	13422007	10.0000
Clomipramine	4.676	76038	4137.28	304.48	13422007	10.0000
Clonazepam	4.492	63516	47.02	9054.92	13101962	10.0000
Clonazolam	4.396	838541	284390.13	173391.31	13101962	10.0000
Cocaethylene	3.830	3801480	3513.38	1281.20	22782138	10.0000
Cocaine	3.631	3576446	7379.03	353.24	22782138	10.0000
Codeine	2.912	148514	182394.62	1803.35	3976275	10.0000
Cyclobenzaprine	4.390	108132	92086.76	5.26	246427	10.0000
Desipramine	4.406	90917	62.56	27.42	246427	10.0000
Dextromethorphan	4.112	215105	128.80	154599.52	1157049	10.0000
Dextrorphan	3.405	892527	324.55	543664.38	1157049	10.0000
Diazepam	4.864	634133	1990.49	26529.38	13101962	10.0000
Dihydrocodeine	2.789	605144	696.26	199.77	3976275	10.0000
Diphenhydramine	4.083	1607829	720.50	177.86	13422007	10.0000

TS

AM #25 Multi-Drug Screen Results

Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
Doxepin	4.204	154534	129.54	34.98	3468531	10.0000
Doxylamine	3.680	6503536	178.30	3814.63	1157049	10.0000
EDDP	4.096	479110	3164.62	260.47	1434477	10.0000
Estazolam	4.557	3355713	1798.13	791816.86	13101962	10.0000
Etizolam	4.642	279601	176694.97	809643.74	13101962	10.0000
Fentanyl	4.228	13551	48.30	6352.78	1419185	10.0000
Flualprazolam	4.505	675519	324612.98	1511121.93	13101962	10.0000
Flunitrazepam	4.600	216619	267.93	23058.65	13101962	10.0000
Fluoxetine	4.370	30051	39.01	7.33	64137	10.0000
Flurazepam	4.303	583831	313053.19	129.93	13101962	10.0000
Hydrocodone	3.110	636019	324.04	790.73	3976275	10.0000
Hydromorphone	2.549	525028	1429.87	2248.32	147692	10.0000
Imipramine	4.435	218055	133.74	126.02	246427	10.0000
Ketamine	3.730	2378206	1444158.46	178.23	7149322	10.0000
Lamotrigine	3.667	180146	838.85	54117.49	13422007	10.0000
Levamisole	3.071	2792072	1058.57	2490.44	22782138	10.0000
Levetiracetam	2.675	448970	155270.06	4408.22	13422007	10.0000
Lorazepam	4.475	115216	61624.52	148.84	13101962	10.0000
Maprotiline	4.497	26410	7.73	12628.30	246427	10.0000
MDA	3.041	268204	147.59	128.91	9160748	10.0000
MDEA	3.270	1914307	260.73	2463.34	9160748	10.0000
MDMA	3.117	2195215	1714.01	732.56	9160748	10.0000
Meperidine	3.667	927358	548.61	555.77	1157049	10.0000
Meprobamate	3.716	44477	234.48	87.12	715589	10.0000
Methadone	4.416	689893	236.24	173.94	1434477	10.0000
* ~~Methamphetamine~~	~~3.042~~	~~1861551~~	~~4022.74~~	~~214.99~~	~~9160748~~	~~10.0000~~
Methocarbamol	3.622	30039	32117.28	1139.59	1434477	10.0000
Methylphenidate	3.561	4630395	431.42	315.89	2823335	10.0000
Metoprolol	3.465	240298	7180.10	168574.34	1157049	10.0000
Midazolam	4.781	351409	333438.16	102750.50	13101962	10.0000
Mirtazapine	4.159	664407	283593.30	2653.15	1157049	10.0000
Mitragynine	4.302	45283	19721.80	46900.63	1157049	10.0000
Morphine	2.382	130557	5.51	227.02	147692	10.0000
Norbuprenorphine	3.856	2581	1938.67	582.65	134916	10.0000
Nordiazepam	4.728	185099	172.81	1629.70	13101962	10.0000
Norfentanyl	3.361	2374557	3411507.54	459.14	12589791	10.0000
Norhydrocodone	2.959	33578	131.26	9.09	147692	10.0000
Norketamine	3.854	167322	240.08	36379.65	7149322	10.0000
Normeperidine	3.638	203345	364.40	222854.57	13422007	10.0000
Noroxycodone	2.911	369690	63.85	127.30	7149322	10.0000
Nortriptyline	4.452	19562	173.34	19.82	246427	10.0000
O-desmethyl-tramadol	2.961	7109291	9722.53	527.06	13422007	10.0000
Olanzapine	3.923	31149	13287.55	8471.33	28628	10.0000
Oxazepam	4.557	527204	322.90	200.53	2373781	10.0000
Oxycodone	2.986	1630228	238.43	813.05	7149322	10.0000
Oxymorphone	2.408	573328	91.61	253012.98	147692	10.0000
* ~~Paroxetine~~	~~4.366~~	~~2430~~	~~1589.28~~	~~4143.37~~	~~64137~~	~~10.0000~~
Phenazepam	4.672	344909	447.11	54318.69	13101962	10.0000
Phencyclidine	3.945	1773731	266.37	2722.15	1157049	10.0000
Phentermine	3.196	198956	43.88	18.37	2823335	10.0000
Phenytoin	4.176	46906	123.87	21542.86	28628	10.0000
Promethazine	4.403	283331	180974.05	66001.32	13422007	10.0000
Pseudoephedrine	2.751	34978183	2243.28	4854.34	9160748	10.0000
Quetiapine	4.655	925576	772334.37	153787.82	42748661	10.0000
Sertraline	4.601	11554	31.99	6651.37	64137	10.0000
Sufentanil	4.625	13188	6575.85	7632.66	12589791	10.0000
Tapentadol	3.485	3005370	331.88	261.09	7149322	10.0000
Temazepam	4.694	2179372	590.52	395.89	13101962	10.0000
Tramadol	3.466	7116536	651.41	91.04	13422007	10.0000
Trazodone	4.824	736541	121.67	126.16	3468531	10.0000

Cal

*Compound not evaluated.

TS

AM #25 Multi-Drug Screen Results

Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
Venlafaxine	3.849	3498982	1558.55	348.17	64137	10.0000
Zaleplon	4.371	136276	224.23	44299.48	42748661	10.0000
Zolpidem	4.447	9074400	19005.31	1622932.45	42748661	10.0000
Zopiclone	4.364	140988	88253.87	46819.51	701625	10.0000

TS

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

Extraction Date: 01/18/2022 Analyst: Tamara Salazar
Plate lot#: IDP-120-211015 Plate Re-Test Date: 04/15/2022
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 20L20725 **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, 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:
Only methamphetamine and paroxetine evaluated.

TS

	1	2	3	4	5	6	7	8	9	10	11	12
A	IS + Cal. 1	IS + Sample	IS + Sample	IS + Sample	Neg Blood	P2021-4165-1	P2021-4248-1	P2022-0032-1	IS + Sample	IS + Sample	IS + Sample	IS + Sample
B	IS + Cal. 1	IS + Sample	IS + Sample	IS + Sample	P2021-3893-1	P2021-4201-1	P2021-4249-1	M2021-5648-2	IS + Sample	IS + Sample	IS + Sample	IS + Sample
C	IS + Sample	IS + Sample	IS + Sample	IS + Sample	P2021-3945-1	P2021-4202-1	P2021-4250-1	P2022-0047-1	IS + Sample	IS + Sample	IS + Sample	IS + Sample
D	IS + Sample	IS + Sample	IS + Sample	IS + Sample	P2021-3980-1	P2021-4209-1	P2021-4251-1	P2022-0048-1	IS + Sample	IS + Sample	IS + Sample	IS + Sample
E	IS + Sample	IS + Sample	IS + Sample	IS + Sample	P2021-3999-1	P2021-4222-1	P2021-4252-1	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample
F	IS + Sample	IS + Sample	IS + Sample	IS + Sample	P2021-4017-1	P2021-4224-1	P2022-0002-1	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample
G	IS + Sample	IS + Sample	IS + Sample	IS + Sample	P2021-4078-1	P2021-4245-1	P2022-0007-1	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Cal. 1
H	IS + Sample	IS + Sample	IS + Sample	IS + Sample	P2021-4124-1	P2021-4246-1	P2022-0013-1	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Cal. 1

All wells to contain 60 µl of residual DMSO

*01/18/2022 re-extraction plate map. Only methamphetamine and paroxetine evaluated.

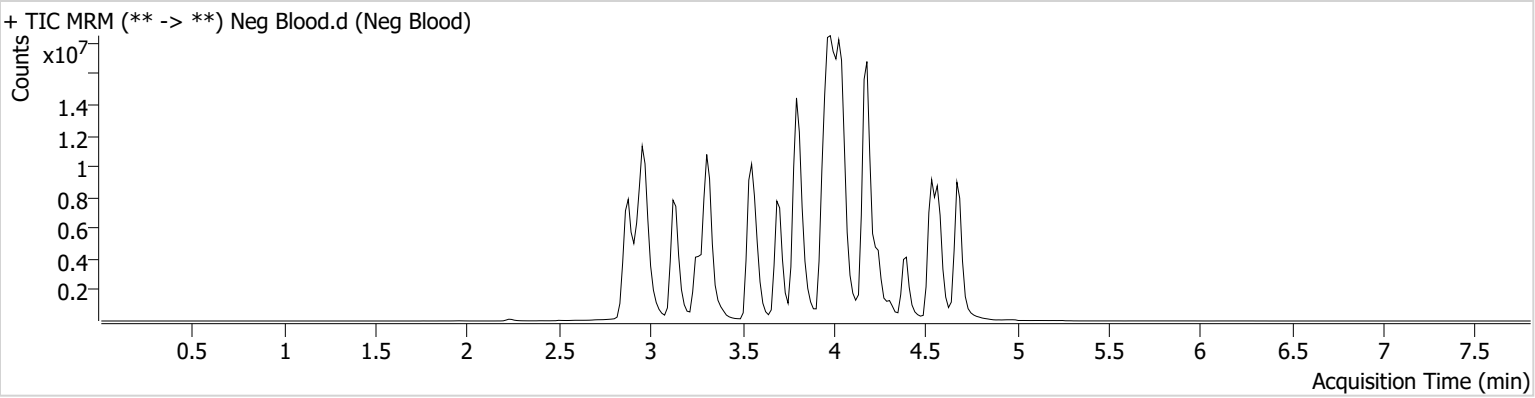
TS

AM #25 Multi-Drug Screen Results

Batch results	D:\MassHunter\Data\2022\AM 27-28\011822 AM 25 AM 27 TS\QuantResults\AM 25_meth and paroxetine only_TS.batch.bin
Calibration Last Update	1/19/2022 8:32:09 AM

Instrument	Falco (069901)	**Data File**	Neg Blood.d
Type	Sample	**Sample**	Neg Blood
Acq. Method	AM 25 MDS.m	**Operator**	Tamara Salazar
Sample Position	P2-A5	**Comment**	
Injection Volume	5		
Acq. Date-Time	1/18/2022 6:55:53 PM		
Sample Info.			

Sample Chromatogram



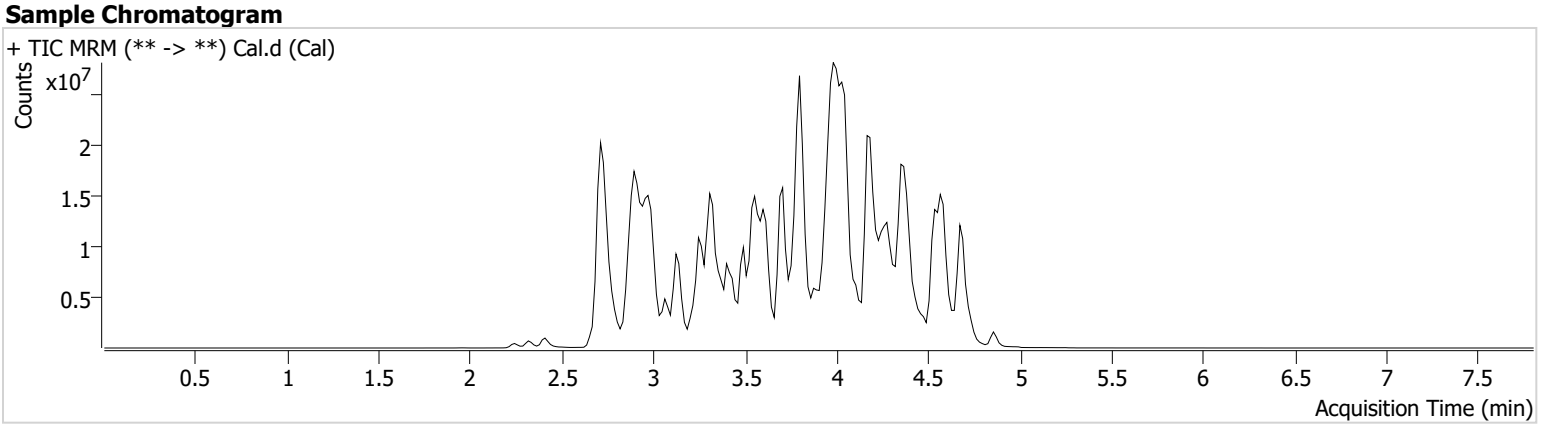
TS

AM #25 Multi-Drug Screen Results

Batch results D:\MassHunter\Data\2022\AM 27-28\011822 AM 25 AM 27 TS\QuantResults\AM 25_meth and paroxetine only_TS.batch.bin
Calibration Last Update 1/19/2022 8:32:09 AM

Instrument	Falco (069901)	**Data File**	Cal.d
Type	Cal	**Sample**	Cal
Acq. Method	AM 25 MDS.m	**Operator**	Tamara Salazar
Sample Position	P2-B1	**Comment**	
Injection Volume	5		
Acq. Date-Time	1/18/2022 6:47:19 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
Methamphetamine	2.996	9035031	1574.28	480.56	34663138	10.0000
Paroxetine	4.320	636799	592.93	156980.77	10730688	10.0000

TS

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

Extraction Date: 01/10/2022 Analyst: Tamara Salazar
Plate lot#: IDP-108-3-211018 Plate Re-Test Date: 04-18-2022
Mobile phase A: 0.1% Formic Acid in LCMS Water **Mobile phase B:** 0.1% Formic acid in Acetonitrile
Blank Blood Lot: Lampire 20L20725 **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 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: 750uL
☒ 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, R^2 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: THC-OH not evaluated.

TS

	1	2	3	4	5	6
A	IS + Cal. 1	IS + QC_1	P2021-4124-1	P2021-4246-1	P2022-0013-1	IS + QC_1
B	IS + Cal. 2	Neg Blood	P2021-4165-1	P2021-4248-1	P2022-0032-1	IS + Cal. 7
C	IS + Cal. 3	P2021-3893-1	P2021-4201-1	P2021-4249-1	M2021-5648-2	IS + Cal. 6
D	IS + Cal. 4	P2021-3945-1	P2021-4202-1*	P2021-4250-1	P2022-0047-1	IS + Cal. 5
E	IS + Cal. 5	P2021-3980-1	P2021-4209-1	P2021-4251-1	P2022-0048-1	IS + Cal. 4
F	IS + Cal. 6	P2021-3999-1	P2021-4222-1	P2021-4252-1	P2021-4202-1	IS + Cal. 3
G	IS + Cal. 7	P2021-4017-1	P2021-4224-1	P2022-0002-1	IS + Sample	IS + Cal. 2
H	IS + QC_1	P2021-4078-1	P2021-4245-1	P2022-0007-1	IS + QC_1	IS + Cal. 1

All wells to contain 100 µl of residual DMSO

*Sample moved during analytical step 6 due to a blood clot.

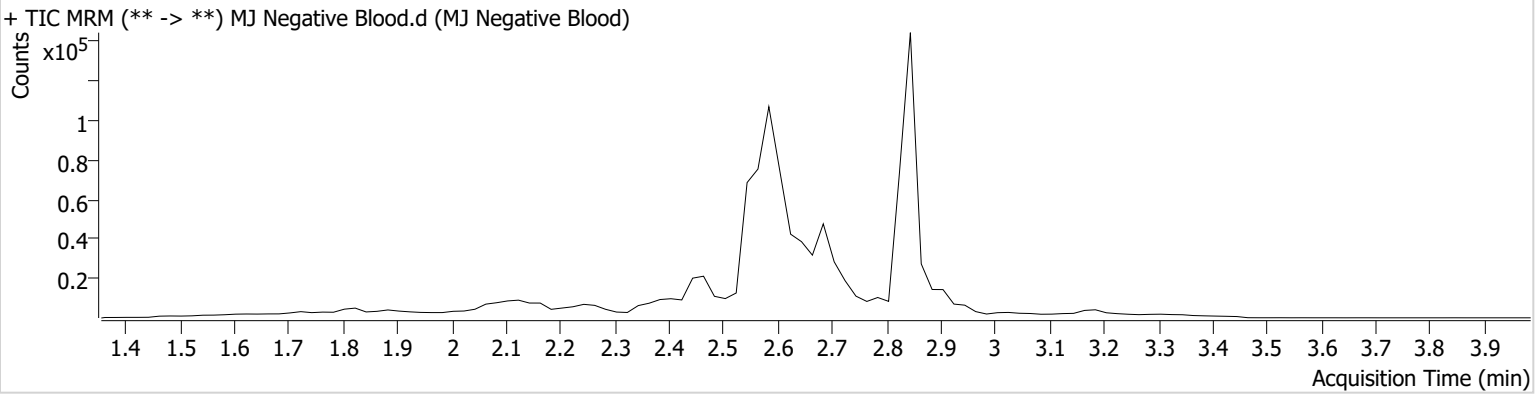
TS

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2022\AM 25-26\011022 AM 25 26 TS\QuantResults\AM 26 TS.batch.bin
Calibration Last Update 1/20/2022 12:32:24 PM

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	P5-B2	**Comment**	
Injection Volume	10		
Acq. Date-Time	1/10/2022 1:37:00 PM		
Sample Info.			

Sample Chromatogram



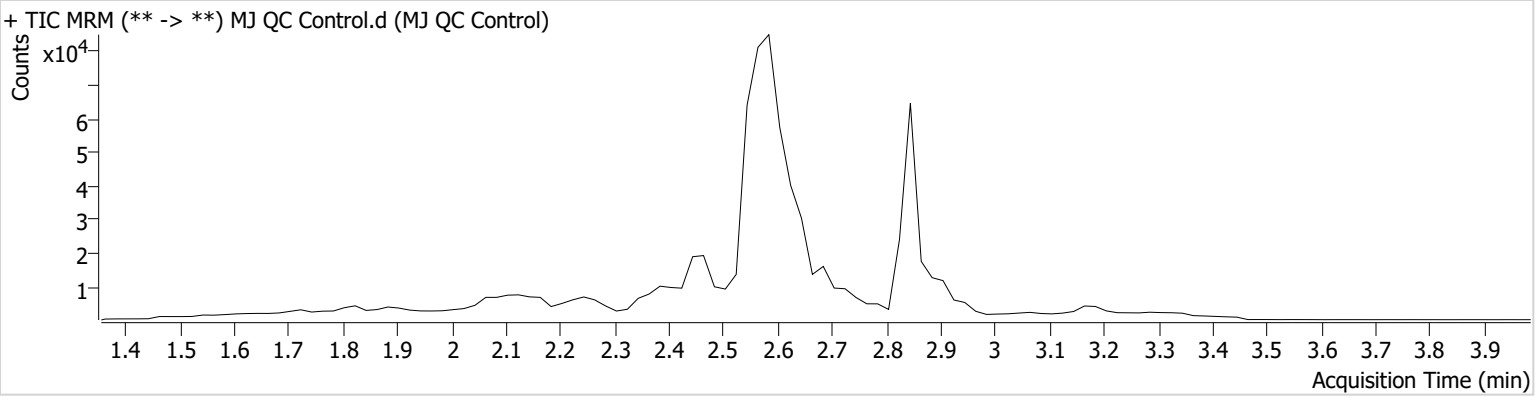
TS

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2022\AM 25-26\011022 AM 25 26 TS\QuantResults\AM 26 TS.batch.bin
Calibration Last Update 1/20/2022 12:32:24 PM

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	P5-H1	**Comment**	
Injection Volume	10		
Acq. Date-Time	1/10/2022 1:23:51 PM		
Sample Info.			

Sample Chromatogram



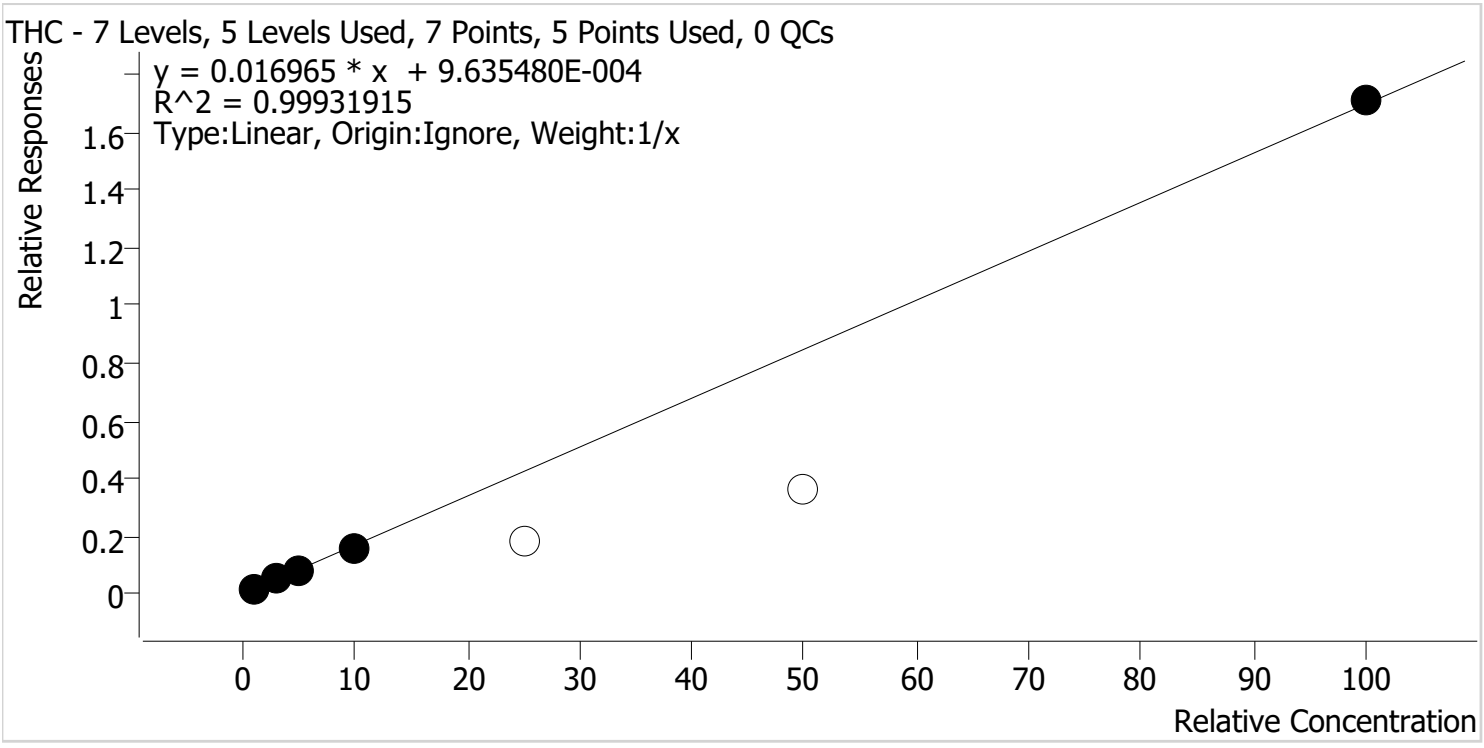
	Name	RT	Resp.	ISTD Resp.	Final Conc.	
	THC	2.899	1176	12362	5.5503	ng/ml
	THC-COOH	2.627	14561	29342	20.4213	ng/ml
*	~~THC-OH~~	~~2.574~~	~~5751~~	~~187196~~	~~7.4182~~	~~ng/ml~~

*Compound not evaluated.

TS

AM #26 Cannabinoids Screen Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 25-26\011022 AM 25 26 TS\QuantResults\AM 26 TS.batch.bin
Last Cal. Update 1/20/2022 12:32 PM
Analyst Name ISP\datastor
Analyte THC **Internal Standard** THC-D3



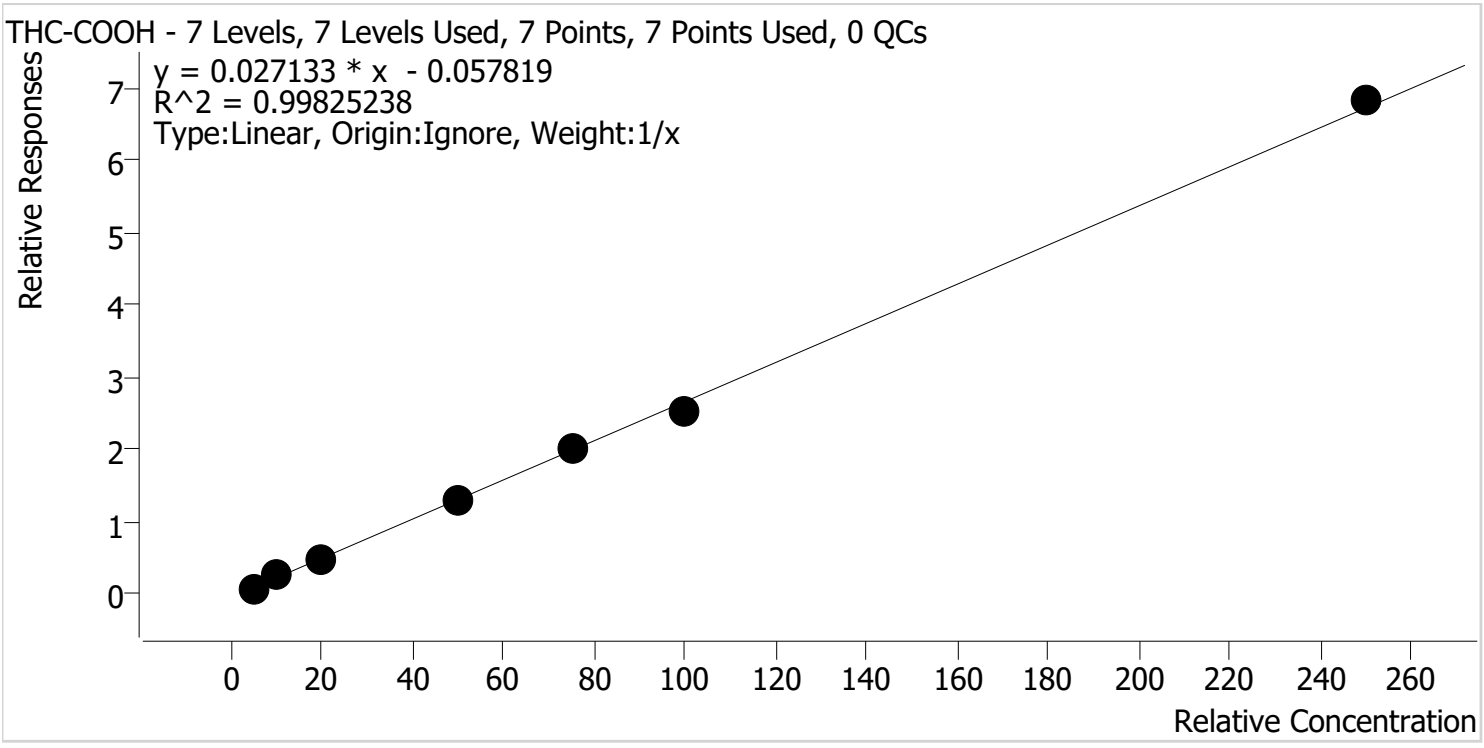
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
MJ Cal 1	1	✔	1.0	1.1	108.7
MJ Cal 2	2	✔	3.0	2.9	97.4
MJ Cal 3	3	✔	5.0	5.0	100.7
MJ Cal 4	4	✔	10.0	9.3	92.5
MJ Cal 5	5	✗	25.0	10.6	42.4
MJ Cal 6	6	✗	50.0	21.8	43.5
MJ Cal 7	7	✔	100.0	100.7	100.7

Calibrator 5 and 6 dropped due to linearity.

TS

AM #26 Cannabinoids Screen Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 25-26\011022 AM 25 26 TS\QuantResults\AM 26 TS.batch.bin
Last Cal. Update 1/20/2022 12:32 PM
Analyst Name ISP\datastor
Analyte THC-COOH **Internal Standard** THC-COOH-D9

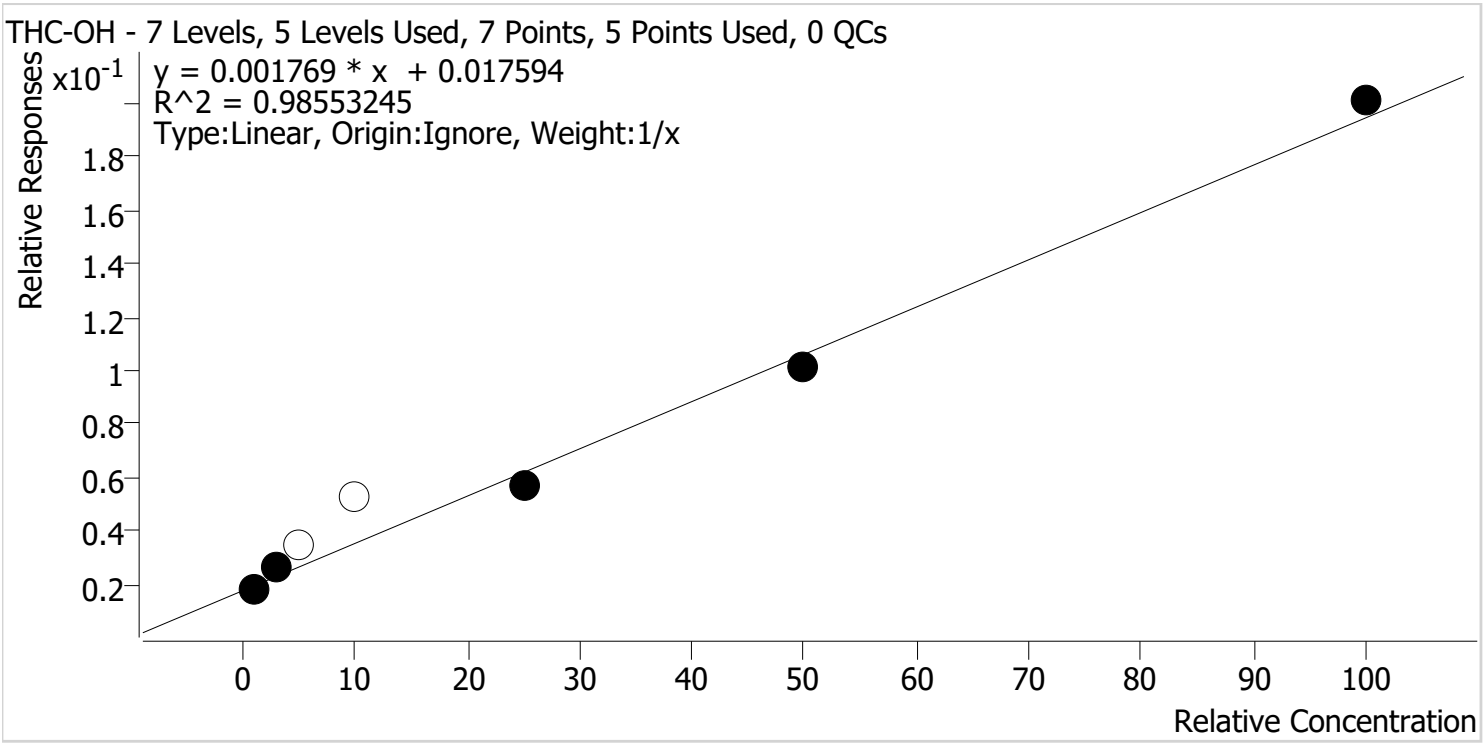


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
MJ Cal 1	1	✔	5.0	4.4	87.3
MJ Cal 2	2	✔	10.0	11.5	115.0
MJ Cal 3	3	✔	20.0	20.1	100.6
MJ Cal 4	4	✔	50.0	50.1	100.2
MJ Cal 5	5	✔	75.0	75.7	101.0
MJ Cal 6	6	✔	100.0	94.4	94.4
MJ Cal 7	7	✔	250.0	253.7	101.5

TS

AM #26 Cannabinoids Screen Calibration Curve Report

Batch results	D:\MassHunter\Data\2022\AM 25-26\011022 AM 25 26 TS\QuantResults\AM 26 TS.batch.bin
Last Cal. Update	1/20/2022 12:32 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	0.4	41.4
MJ Cal 2	2	✔	3.0	5.1	170.5
MJ Cal 3	3	✗	5.0	9.9	198.1
MJ Cal 4	4	✗	10.0	20.2	202.4
MJ Cal 5	5	✔	25.0	22.4	89.6
MJ Cal 6	6	✔	50.0	47.5	94.9
MJ Cal 7	7	✔	100.0	103.6	103.6

Compound not evaluated.

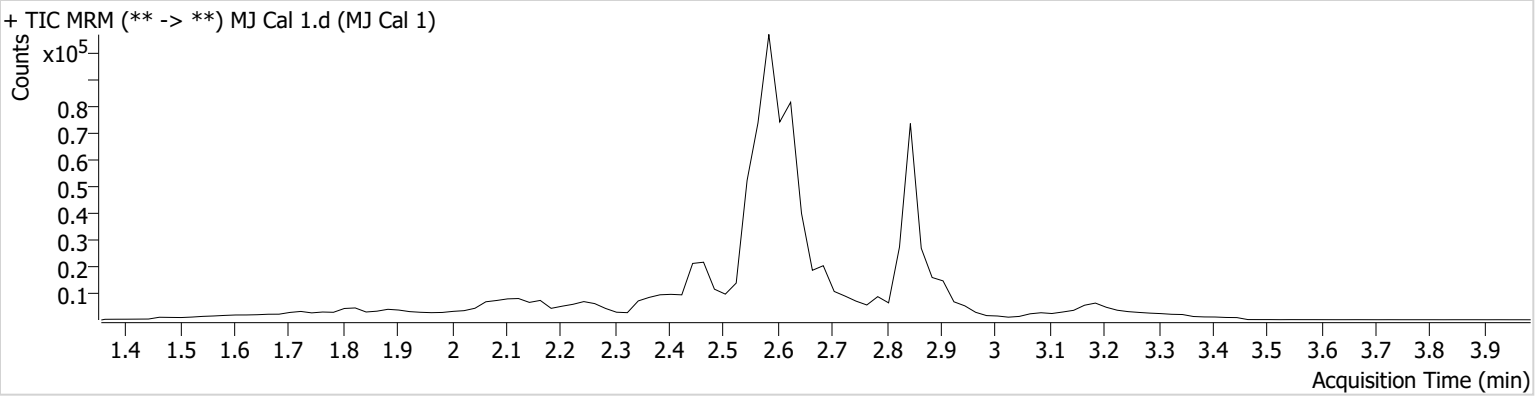
TS

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2022\AM 25-26\011022 AM 25 26 TS\QuantResults\AM 26 TS.batch.bin
Calibration Last Update 1/20/2022 12:32:24 PM

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	P5-A1	**Comment**	
Injection Volume	10		
Acq. Date-Time	1/10/2022 12:37:46 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.		
THC	2.899	308	15882	1.0871	ng/ml	**Low**
THC-COOH	2.647	5807	95875	4.3633	ng/ml	**Low**
THC-OH	2.614	4048	220915	0.4136	ng/ml	**Low**

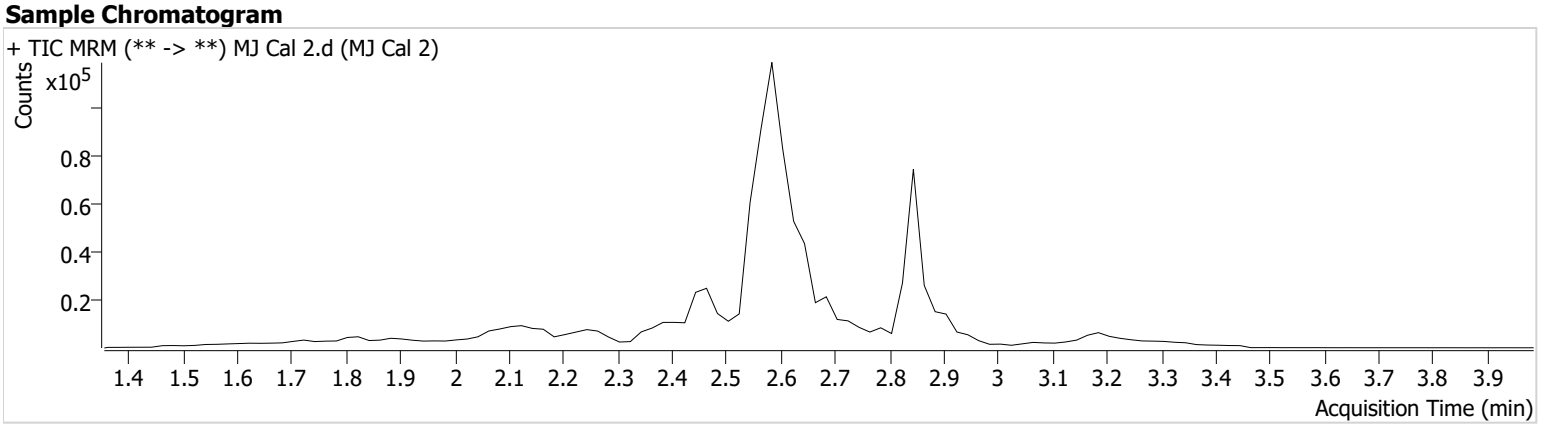
TS

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2022\AM 25-26\011022 AM 25 26 TS\QuantResults\AM 26 TS.batch.bin
Calibration Last Update 1/20/2022 12:32:24 PM

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	P5-B1	**Comment**	
Injection Volume	10		
Acq. Date-Time	1/10/2022 12:44:29 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.		
THC	2.899	795	15742	2.9213	ng/ml	**Low**
THC-COOH	2.627	11756	46264	11.4965	ng/ml	
THC-OH	2.574	6430	241307	5.1155	ng/ml	

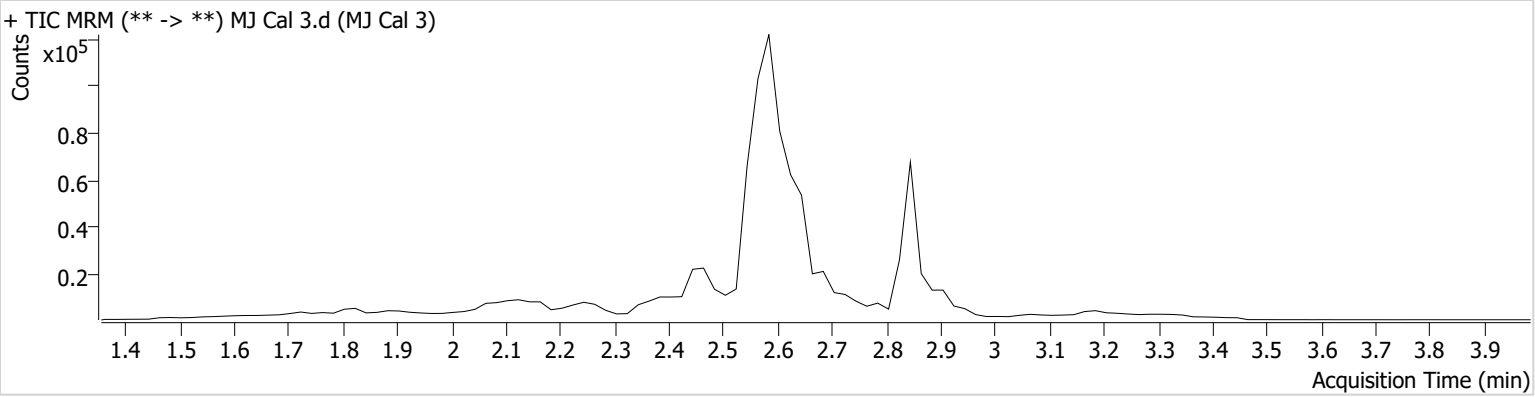
TS

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2022\AM 25-26\011022 AM 25 26 TS\QuantResults\AM 26 TS.batch.bin
Calibration Last Update 1/20/2022 12:32:24 PM

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	P5-C1	**Comment**	
Injection Volume	10		
Acq. Date-Time	1/10/2022 12:51:02 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.	
THC	2.899	1129	13075	5.0341	ng/ml
THC-COOH	2.627	24200	49562	20.1270	ng/ml
THC-OH	2.574	8570	244016	9.9059	ng/ml

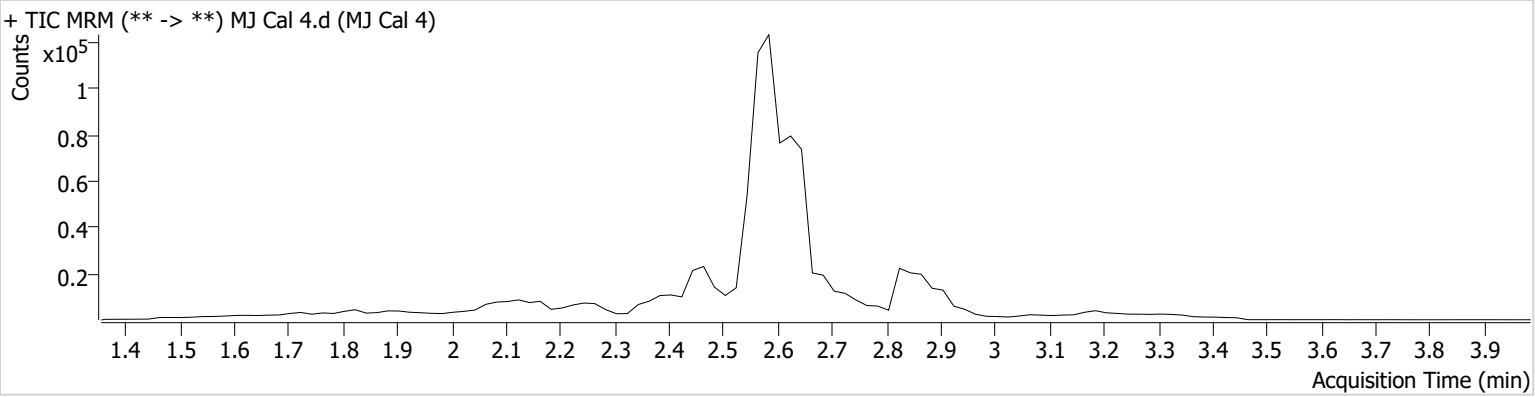
TS

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2022\AM 25-26\011022 AM 25 26 TS\QuantResults\AM 26 TS.batch.bin
Calibration Last Update 1/20/2022 12:32:24 PM

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	P5-D1	**Comment**	
Injection Volume	10		
Acq. Date-Time	1/10/2022 12:57:36 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.	
THC	2.899	2109	13354	9.2526	ng/ml
THC-COOH	2.627	48903	37573	50.1012	ng/ml
THC-OH	2.574	11842	221716	20.2407	ng/ml

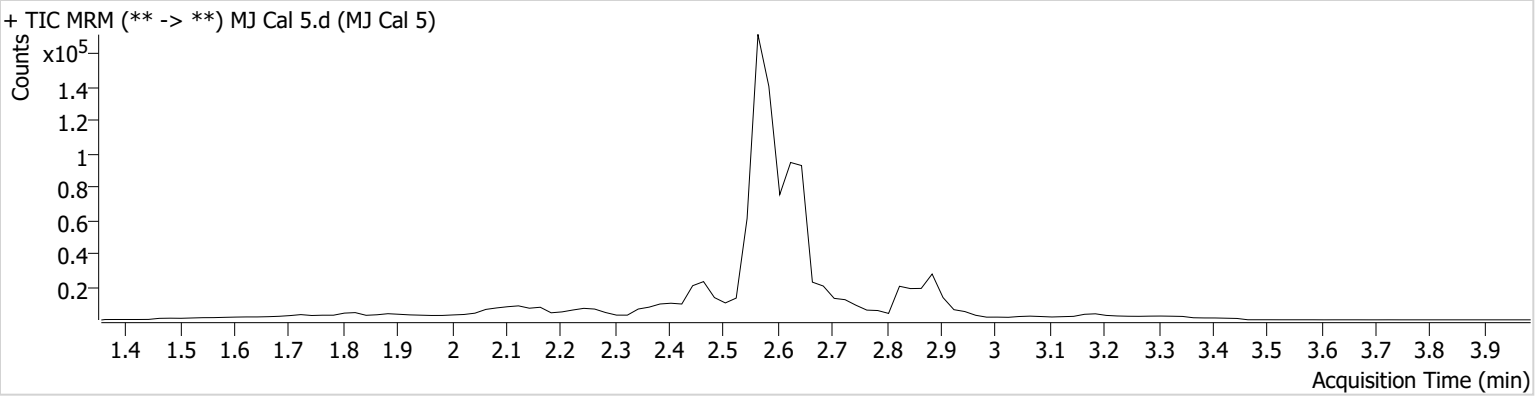
TS

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2022\AM 25-26\011022 AM 25 26 TS\QuantResults\AM 26 TS.batch.bin
Calibration Last Update 1/20/2022 12:32:24 PM

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	P5-E1	**Comment**	
Injection Volume	10		
Acq. Date-Time	1/10/2022 1:04:09 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.	
THC	2.899	5096	28208	10.5923	ng/ml
THC-COOH	2.627	68637	34363	75.7473	ng/ml
THC-OH	2.594	12547	219246	22.3988	ng/ml

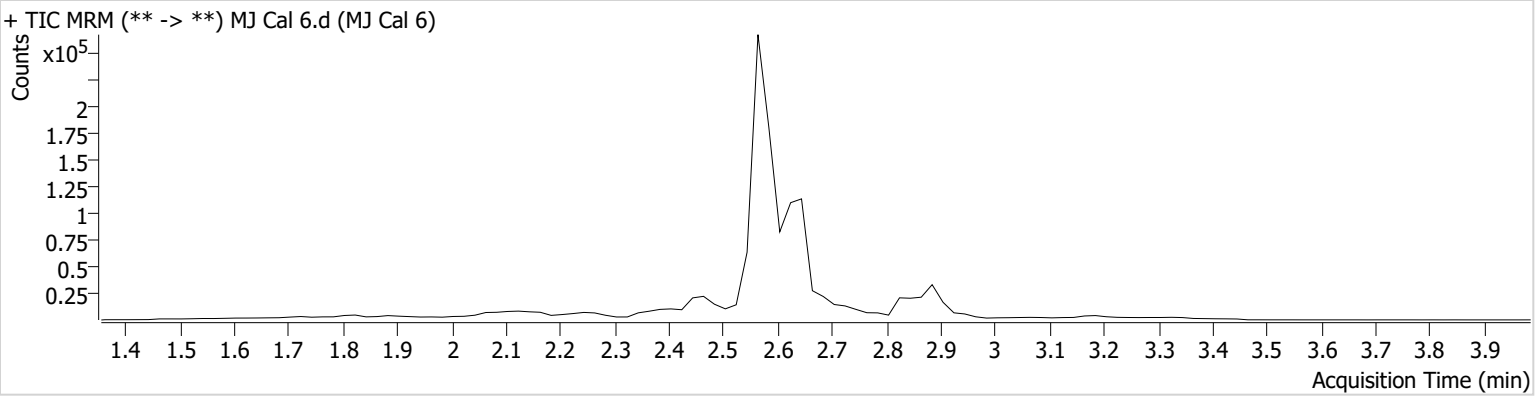
TS

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2022\AM 25-26\011022 AM 25 26 TS\QuantResults\AM 26 TS.batch.bin
Calibration Last Update 1/20/2022 12:32:24 PM

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	P5-F1	**Comment**	
Injection Volume	10		
Acq. Date-Time	1/10/2022 1:10:43 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	2.899	10981	29658	21.7666 ng/ml
THC-COOH	2.627	86922	34702	94.4482 ng/ml
THC-OH	2.594	22344	219984	47.4576 ng/ml

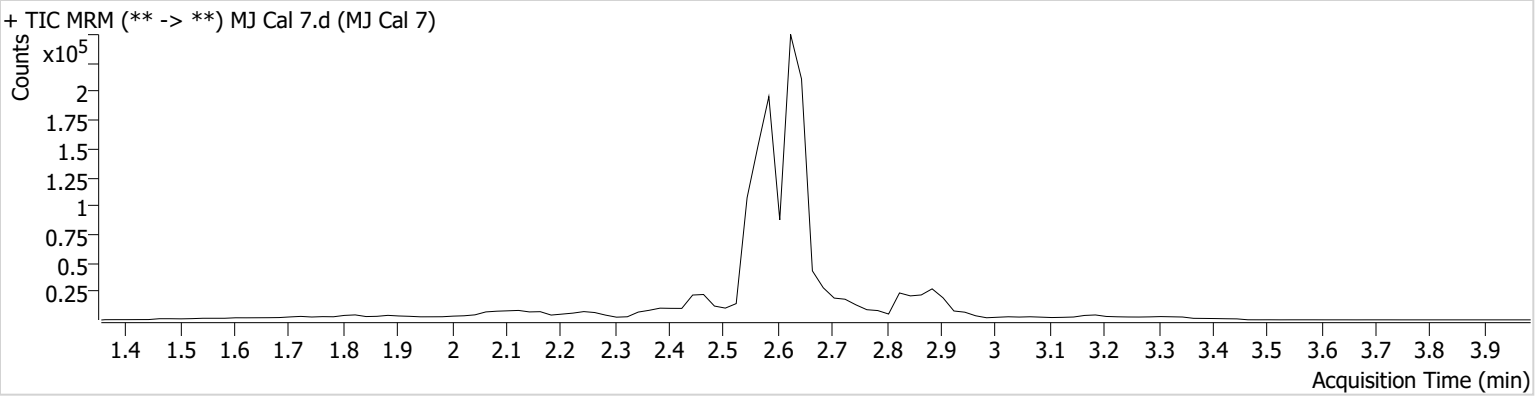
TS

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2022\AM 25-26\011022 AM 25 26 TS\QuantResults\AM 26 TS.batch.bin
Calibration Last Update 1/20/2022 12:32:24 PM

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	P5-G1	**Comment**	
Injection Volume	10		
Acq. Date-Time	1/10/2022 1:17:18 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.	
THC	2.899	22993	13451	100.7049	ng/ml
THC-COOH	2.627	211437	30974	253.7165	ng/ml
THC-OH	2.594	39403	196095	103.6146	ng/ml

TS

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

Extraction Date: 01/26/2022 Analyst: Tamara Salazar
Plate lot#: IDP-108-3-211018 Plate Re-Test Date: 04-18-2022
Mobile phase A: 0.1% Formic Acid in LCMS Water **Mobile phase B:** 0.1% Formic acid in Acetonitrile
Blank Blood Lot: Lampire 20L20725 **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 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: 750uL
☒ 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, R^2 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: Due to inconsistencies in the calculated concentrations between AM 26 and AM 27, AM 26 was re-ran. THC-OH not evaluated due to possible interfering peak.

TS

	1	2	3	4	5	6
A	IS + Cal. 1	IS + QC_1	P2021-4124-1	P2021-4246-1	P2022-0013-1	IS + QC_1
B	IS + Cal. 2	Neg Blood	P2021-4165-1	P2021-4248-1	P2022-0032-1	IS + Cal. 7
C	IS + Cal. 3	P2021-3893-1	P2021-4201-1	P2021-4249-1	M2021-5648-2	IS + Cal. 6
D	IS + Cal. 4	P2021-3945-1	P2021-4202-1	P2021-4250-1	P2022-0047-1	IS + Cal. 5
E	IS + Cal. 5	P2021-3980-1	P2021-4209-1	P2021-4251-1	P2022-0048-1	IS + Cal. 4
F	IS + Cal. 6	P2021-3999-1	P2021-4222-1	P2021-4252-1	IS + Sample	IS + Cal. 3
G	IS + Cal. 7	P2021-4017-1	P2021-4224-1	P2022-0002-1	IS + Sample	IS + Cal. 2
H	IS + QC_1	P2021-4078-1	P2021-4245-1	P2022-0007-1	IS + QC_1	IS + Cal. 1

All wells to contain 100 µl of residual DMSO

01/26/22 Analytical Map

TS

	1	2	3	4	5	6
A	IS + Cal. 1	IS + QC_1	P2021-4124-1	P2021-4246-1	P2022-0013-1	IS + QC_1
B	IS + Cal. 2	Neg Blood	P2021-4165-1*	P2021-4248-1	P2022-0032-1	IS + Cal. 7
C	IS + Cal. 3	P2021-3893-1	P2021-4201-1*	P2021-4249-1	M2021-5648-2	IS + Cal. 6
D	IS + Cal. 4	P2021-3945-1*	P2021-4202-1	P2021-4250-1	P2022-0047-1	IS + Cal. 5
E	IS + Cal. 5	P2021-3980-1	P2021-4209-1	P2021-4251-1	P2022-0048-1	IS + Cal. 4
F	IS + Cal. 6	P2021-3999-1	P2021-4222-1	P2021-4252-1	P2021-3945-1	IS + Cal. 3
G	IS + Cal. 7	P2021-4017-1	P2021-4224-1	P2022-0002-1	P2021-4165-1	IS + Cal. 2
H	IS + QC_1	P2021-4078-1	P2021-4245-1	P2022-0007-1	P2021-4201-1	IS + Cal. 1

All wells to contain 100 µl of residual DMSO

01/26/22 SLE Map

*Sample moved during step 6 of analysis due to blood clot.

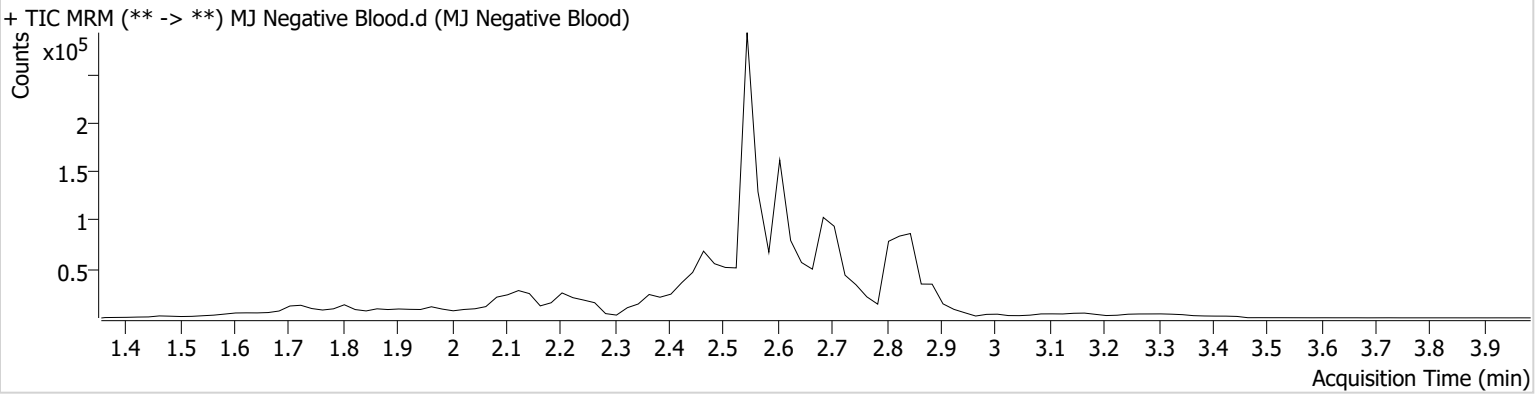
TS

AM #26 Cannabinoids Screen Results

Batch results	D:\MassHunter\Data\2022\AM 25-26\012622 AM 26 TS\QuantResults\AM 26 redo TS.batch.bin
Calibration Last Update	1/27/2022 9:28:28 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-B2	**Comment**	
Injection Volume	10		
Acq. Date-Time	1/26/2022 6:03:41 PM		
Sample Info.			

Sample Chromatogram



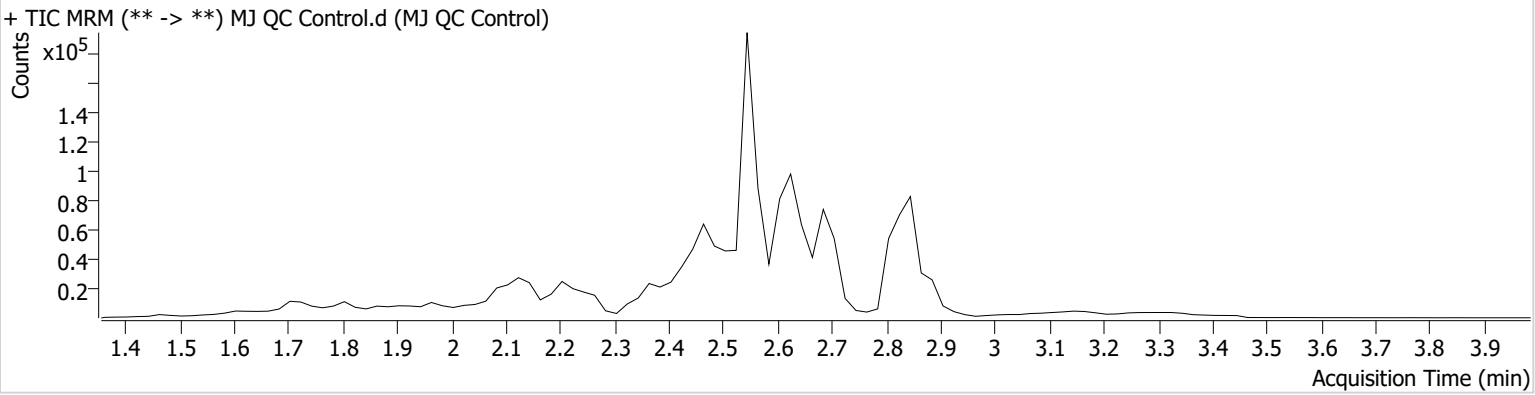
TS

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2022\AM 25-26\012622 AM 26 TS\QuantResults\AM 26 redo TS.batch.bin
Calibration Last Update 1/27/2022 9:28:28 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	1/26/2022 5:50:32 PM		
Sample Info.			

Sample Chromatogram



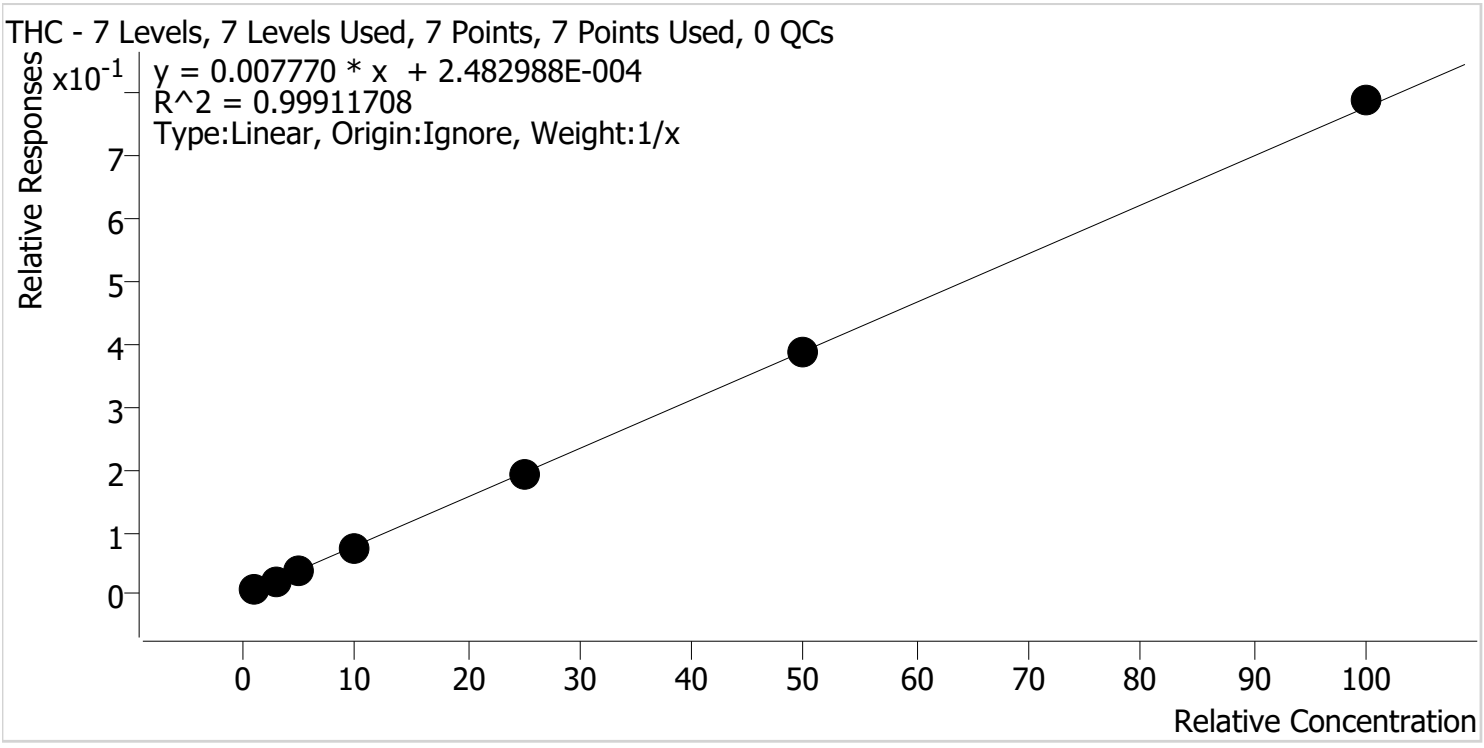
Name	RT	Resp.	ISTD Resp.	Final Conc.	
THC	2.879	1607	37287	5.5129	ng/ml
THC-COOH	2.647	24792	78931	19.6719	ng/ml
~~THC-OH~~	~~2.614~~	~~5871~~	~~349784~~	~~5.8723~~	~~ng/ml~~ *

*Compound not evaluated

TS

AM #26 Cannabinoids Screen Calibration Curve Report

Batch results	D:\MassHunter\Data\2022\AM 25-26\012622 AM 26 TS\QuantResults\AM 26 redo TS.batch.bin
Last Cal. Update	1/27/2022 9:28 AM
Analyst Name	ISP\datastor
Analyte	THC
Internal Standard	THC-D3

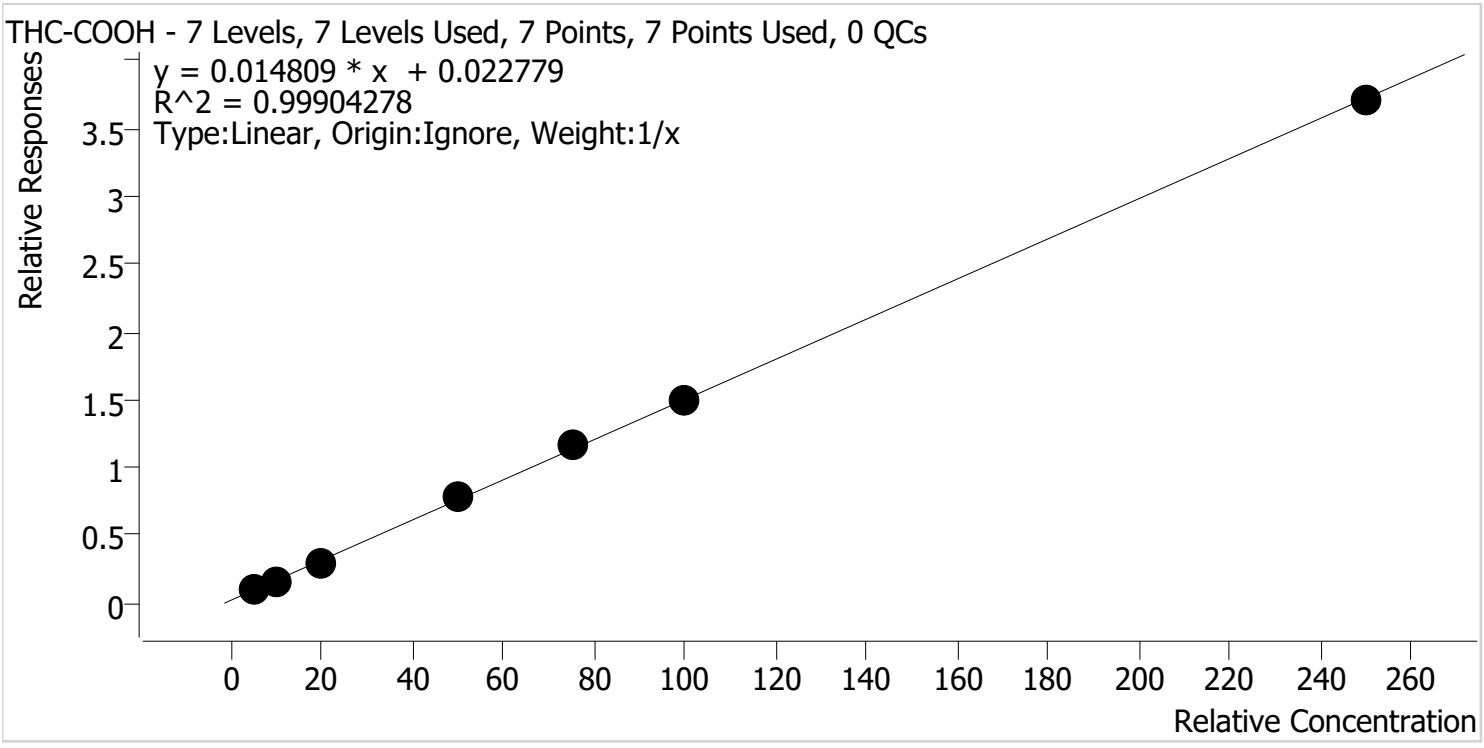


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
MJ Cal 1	1	✔	1.0	1.2	121.3
MJ Cal 2	2	✔	3.0	2.7	89.6
MJ Cal 3	3	✔	5.0	4.6	91.0
MJ Cal 4	4	✔	10.0	9.8	98.3
MJ Cal 5	5	✔	25.0	24.9	99.4
MJ Cal 6	6	✔	50.0	49.5	99.0
MJ Cal 7	7	✔	100.0	101.4	101.4

TS

AM #26 Cannabinoids Screen Calibration Curve Report

Batch results	D:\MassHunter\Data\2022\AM 25-26\012622 AM 26 TS\QuantResults\AM 26 redo TS.batch.bin
Last Cal. Update	1/27/2022 9:28 AM
Analyst Name	ISP\datastor
Analyte	THC-COOH
Internal Standard	THC-COOH-D9

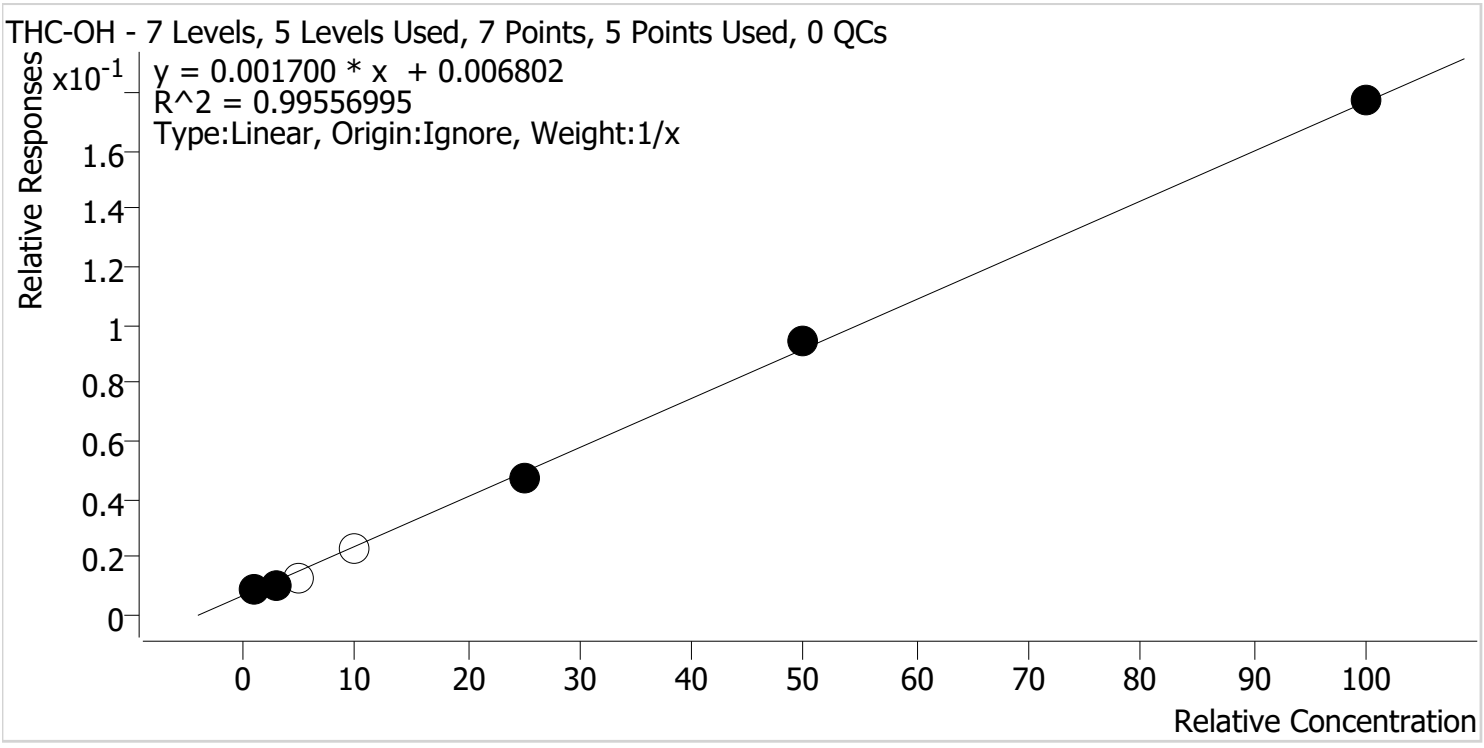


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
MJ Cal 1	1	✔	5.0	5.7	113.4
MJ Cal 2	2	✔	10.0	8.9	89.2
MJ Cal 3	3	✔	20.0	18.6	93.2
MJ Cal 4	4	✔	50.0	51.0	102.1
MJ Cal 5	5	✔	75.0	76.8	102.4
MJ Cal 6	6	✔	100.0	100.1	100.1
MJ Cal 7	7	✔	250.0	248.8	99.5

TS

AM #26 Cannabinoids Screen Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 25-26\012622 AM 26 TS\QuantResults\AM 26 redo TS.batch.bin
Last Cal. Update 1/27/2022 9:28 AM
Analyst Name ISP\datastor
Analyte THC-OH **Internal Standard** THC-OH-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
MJ Cal 1	1	✔	1.0	1.4	140.3
MJ Cal 2	2	✔	3.0	1.8	60.2
MJ Cal 3	3	✗	5.0	3.4	67.4
MJ Cal 4	4	✗	10.0	9.4	94.0
MJ Cal 5	5	✔	25.0	24.1	96.2
MJ Cal 6	6	✔	50.0	51.5	102.9
MJ Cal 7	7	✔	100.0	100.3	100.3

*Compound not evaluated.

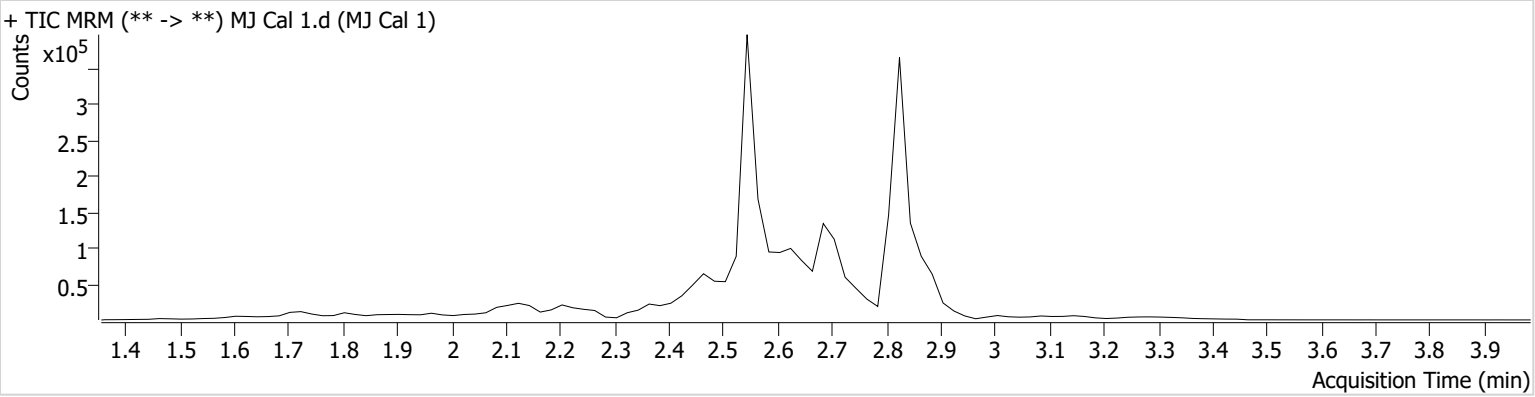
TS

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2022\AM 25-26\012622 AM 26 TS\QuantResults\AM 26 redo TS.batch.bin
Calibration Last Update 1/27/2022 9:28:28 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	1/26/2022 5:04:26 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.		
THC	2.879	1160	119903	1.2131	ng/ml	**Low**
THC-COOH	2.627	11645	109076	5.6711	ng/ml	
THC-OH	2.614	7204	784079	1.4035	ng/ml	**Low**

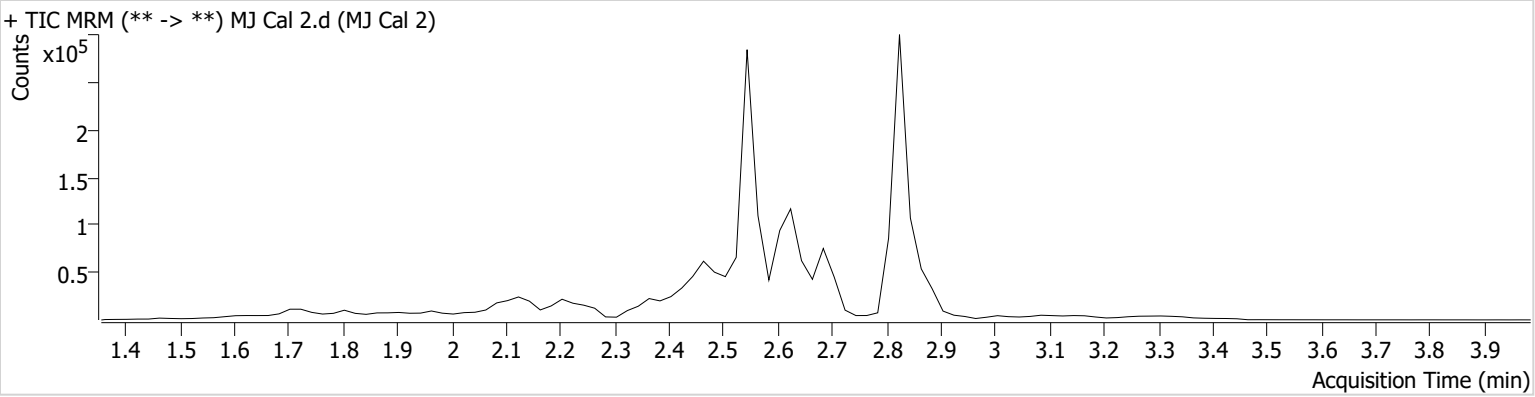
TS

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2022\AM 25-26\012622 AM 26 TS\QuantResults\AM 26 redo TS.batch.bin
Calibration Last Update 1/27/2022 9:28:28 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	1/26/2022 5:11:09 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.		
THC	2.879	1421	67251	2.6872	ng/ml	**Low**
THC-COOH	2.627	18730	120881	8.9246	ng/ml	
THC-OH	2.614	5212	527831	1.8071	ng/ml	**Low**

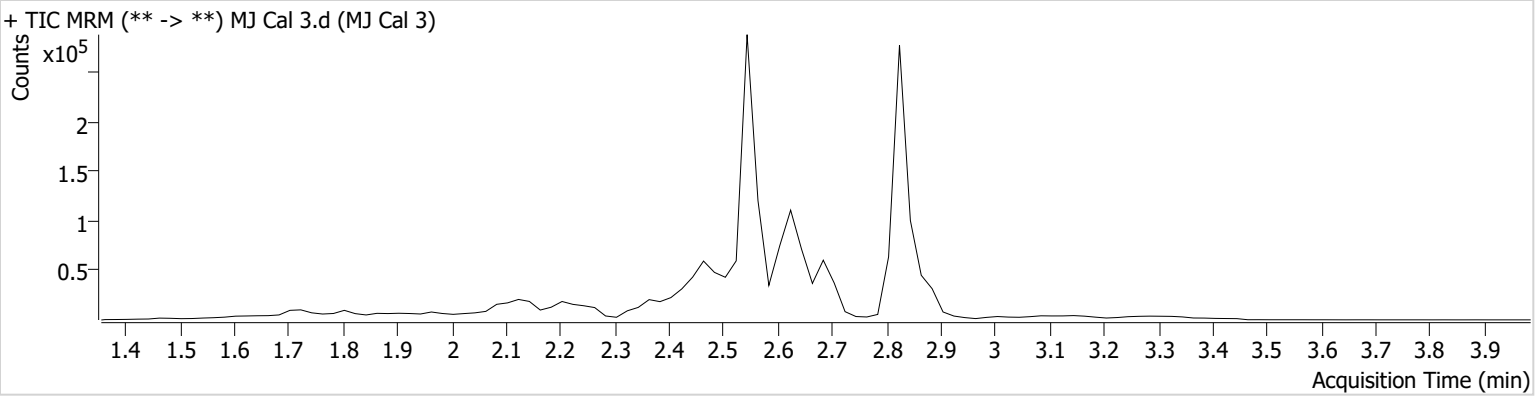
TS

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2022\AM 25-26\012622 AM 26 TS\QuantResults\AM 26 redo TS.batch.bin
Calibration Last Update 1/27/2022 9:28:28 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	1/26/2022 5:17:43 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.	
THC	2.879	2090	58692	4.5518	ng/ml
THC-COOH	2.627	31709	106125	18.6378	ng/ml
THC-OH	2.614	6526	520891	3.3686	ng/ml

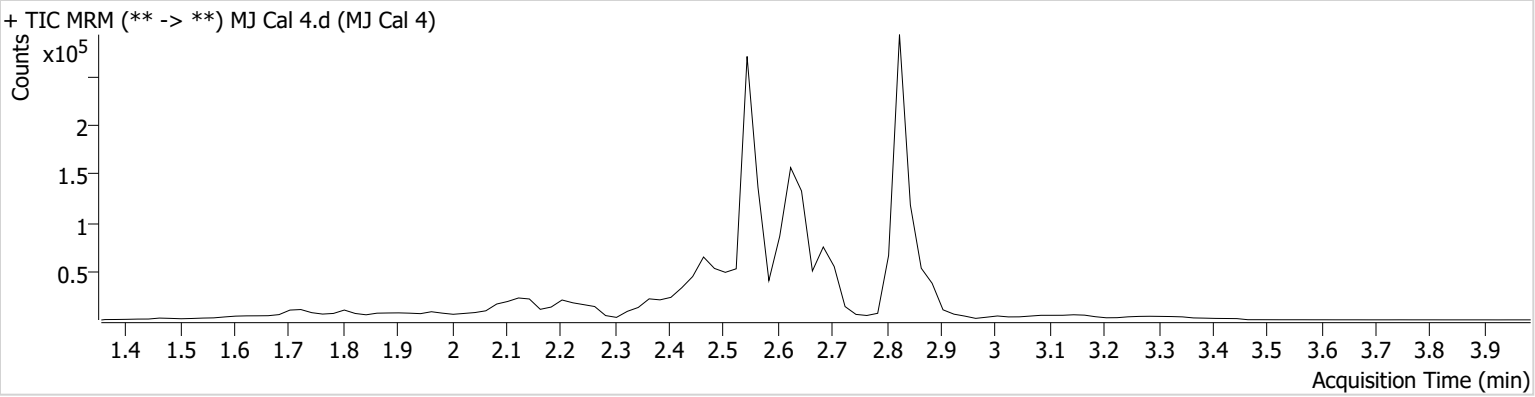
TS

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2022\AM 25-26\012622 AM 26 TS\QuantResults\AM 26 redo TS.batch.bin
Calibration Last Update 1/27/2022 9:28:28 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	1/26/2022 5:24:16 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.	
THC	2.879	5002	65285	9.8290	ng/ml
THC-COOH	2.647	80417	103293	51.0338	ng/ml
THC-OH	2.554	10514	461383	9.4035	ng/ml

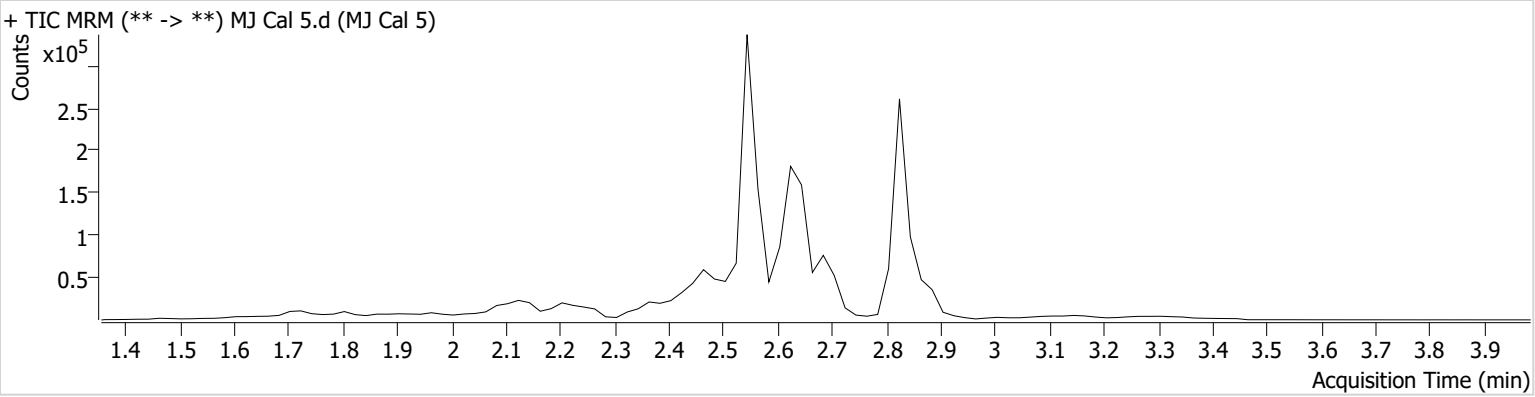
TS

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2022\AM 25-26\012622 AM 26 TS\QuantResults\AM 26 redo TS.batch.bin
Calibration Last Update 1/27/2022 9:28:28 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	1/26/2022 5:30:50 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	2.879	10673	55179	24.8604 ng/ml
THC-COOH	2.647	117208	100998	76.8265 ng/ml
THC-OH	2.554	23512	493004	24.0518 ng/ml

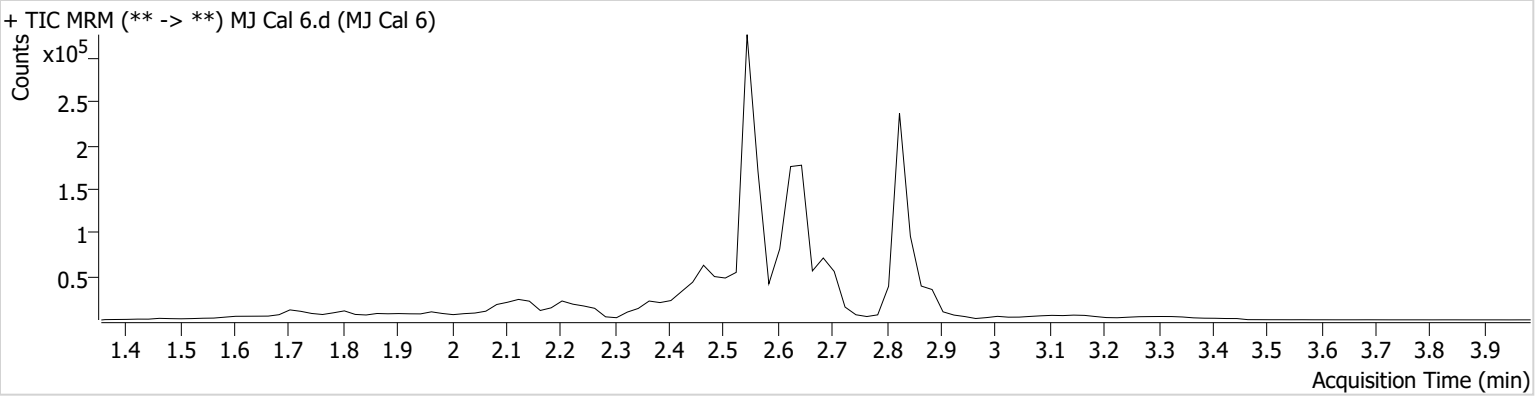
TS

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2022\AM 25-26\012622 AM 26 TS\QuantResults\AM 26 redo TS.batch.bin
Calibration Last Update 1/27/2022 9:28:28 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	1/26/2022 5:37:25 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.	
THC	2.879	15362	39926	49.4863	ng/ml
THC-COOH	2.647	123853	82262	100.1299	ng/ml
THC-OH	2.554	35148	372691	51.4736	ng/ml

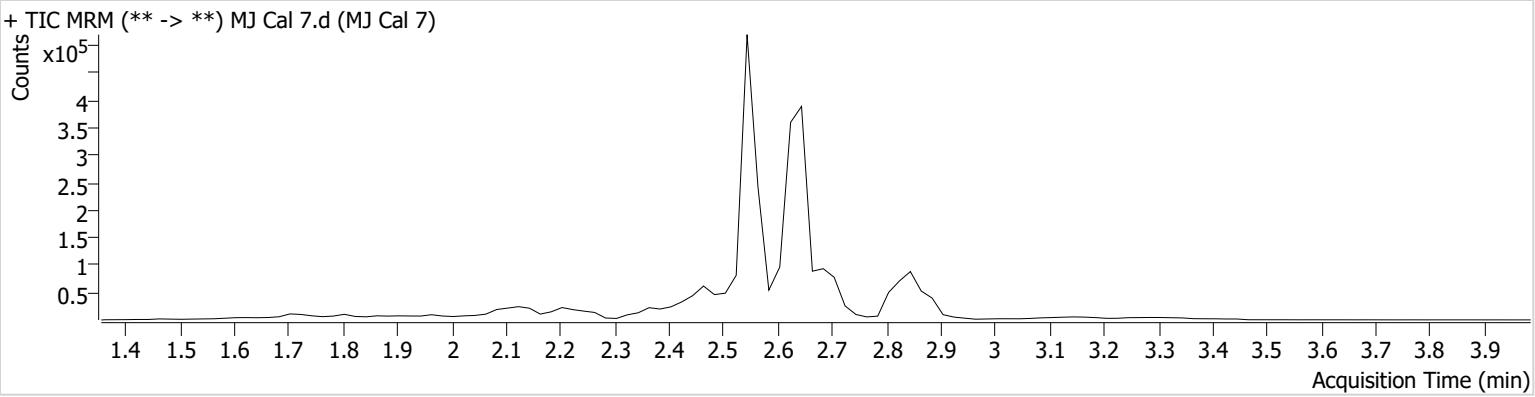
TS

AM #26 Cannabinoids Screen Results

Batch results	D:\MassHunter\Data\2022\AM 25-26\012622 AM 26 TS\QuantResults\AM 26 redo TS.batch.bin
Calibration Last Update	1/27/2022 9:28:28 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	1/26/2022 5:43:59 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.	
THC	2.879	32631	41413	101.3721	ng/ml
THC-COOH	2.647	329468	88880	248.7762	ng/ml
THC-OH	2.554	74178	418488	100.2641	ng/ml