REVIEWED
By Celena Shrum at 10:36 am, Jun 20, 2024

TS 6/18/2024

Worklist: 6845

LAB_CASE	ITEM	ITEM_TYPE	DESCRIPTION	
C2024-0973	3	UCK	AM 27 Urine Cannabinoids Confirmation by LC-QQQ	
M2022-0484	6	UCK	AM 27 Urine Cannabinoids Confirmation by LC-QQQ	
M2024-1235	2	UCK	AM 27 Urine Cannabinoids Confirmation by LC-QQQ	
M2024-1457	2	UCK	AM 27 Urine Cannabinoids Confirmation by LC-QQQ	
P2024-1174	1	UCK	AM 27 Urine Cannabinoids Confirmation by LC-QQQ	
P2024-1259	1	UCK	AM 27 Urine Cannabinoids Confirmation by LC-QQQ	
P2024-1778	1	UCK	AM 27 Urine Cannabinoids Confirmation by LC-QQQ	

TS

AM# 27: Quantitation of THC and Metabolites in Blood and Urine by LC-MS/MS

Extraction Date: 06/14/2024
Plate lot#: 240513
Mobile phase A: 0.1% Formic Acid in LCMS Water
Blank Blood Lot: Lampire 24C52816
Column: UCT Selectra DA 100 x 2.1mm 3um

Analyst: Tamara Salazar
Plate Retest Date: 11/13/2024
Mobile phase B: 0.1% Formic acid in Acetonitrile
Blank Urine Lot: POC021022
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. Urine hydrolysis: add 1.5mL urine to blank plate, add 250µl 1N KOH. Shake and incubate at 40 degrees for 15 minutes.
☒ 3. Using a calibrated pipette, add **1000µl blood and urine (if applicable) (calibrated pipette)** into the appropriate wells of analytical (standards) plate. **Pipette ID:** *42*
☒ 4. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
☒ 5. Add **500µL of 0.1% formic acid in water to blood samples, and 500µL of saturated phosphate buffer to urine samples** in the wells of the analytical plate.
☒ 6. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
☒ 7. Transfer **700-800µL of blood+acid or urine+acid** mixture to corresponding wells of SLE+ plate. Amount transferred: *750µL*
☒ 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 **2.25mL MTBE. (*Add in 3 increments of 750uL)***
☒ 11. Wait 5 minutes.
☒ 12. Apply positive pressure for approx. 15 seconds. ***(10-15 PSI- Selector to the left).***
☒ 13. Add **2.25mL Hexane. (*Add in 3 increments of 750uL)***
☒ 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.
☒ 17. 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, Curve weighting of Linear 1/x with r^2 values ≥0.98 for each analyte
☒ 3. RT +/- 3% or 0.100 min, whichever is greater, +/- 20% Accuracy for greater than (+/- 30% for 10ng/ml or less). Ion ratios must be within +/- 20% of the averaged calibrators
☒ 4. Did all QCs pass for each analyte? (if not, describe in comments section)
☒ 5. Enter QCs into control charting.
☒ 6. Central File Packet to include: LIMS Worklist, Method Checklist, Calibration and Control Reports

COMMENTS: Pipette volume incorrectly set for Step 5 of the analysis resulting in 900µL of solvent to be added instead of the specified 500µL. A deviation was obtained to utilize the data as the extra buffer should not affect the results of the testing.

Case P2024-1259 did not inject properly with initial injection and the mobile phase ran out. A new mobile phase was made on 06/17/2024. The sample and negative control were reinjected bracketed by QC samples.

TS

Idaho State Police
Forensic Services

Request for Departure from an Analytical Method or Quality Standard

Deviation Number (assigned by QM): ISP Dev TOX-24-04

Date of Request: 06/14/2024

Requestor/Discipline: Tamara Salazar/Toxicology

Analytical Method/Quality Standard, Revision #: Toxicology AM #27, Revision 18

Temporary or Permanent Deviation: Temporary Deviation

Scope of Deviation (record specific information, e.g. affected programs, evidence types, expected end date; etc):
This is affecting only the THC and Metabolite quantitative run performed 06/14/2024.

Deviation Request (Describe detailed instructions of the changes being made; include reference to specific section number(s) in the method manual):

> 4.1.5 Add 0.5 mL 0.1% formic acid in LCMS water to all of the wells containing blood. Add 0.5mL of saturated phosphate buffer to all of the wells containing urine.

In this step, 900µL was used instead of the specified 500µL.

Technical Justification for Analytical Method Deviations:
It is not anticipated there will be any effect on the results. The increased amount was pipetted into all samples, calibrators, and controls. Any effect will be identified by the calibrators and controls.

Technical Review

☒ Departure approved
Comments:

☐ Departure Not Approved
Comments:

Approver: Celena Shrum Celena Shrum Date: 6/14/24
Title: Toxicology Lead

Quality Review

Quality Approver: Lisa Hatlox
Title: Lab Improvement Manager
Date: 6/14/24

TS

	1	2	3	4	5	6
A	IS + Cal. 1	IS + QC_1			P2024-1174-1	IS + QC_1
B	IS + Cal. 2				M2024-1457-2	IS + Cal. 7
C	IS + Cal. 3				M2024-1235-2	IS + Cal. 6
D	IS + Cal. 4				M2022-0484-6	IS + Cal. 5
E	IS + Cal. 5				C2024-0973-3	IS + Cal. 4
F	IS + Cal. 6				Neg Urine	IS + Cal. 3
G	IS + Cal. 7			P2024-1778-1	Neg Blood	IS + Cal. 2
H	IS + QC_1			P2024-1259-1	IS + QC_1	IS + Cal. 1

All wells to contain 100 µl of residual DMSO

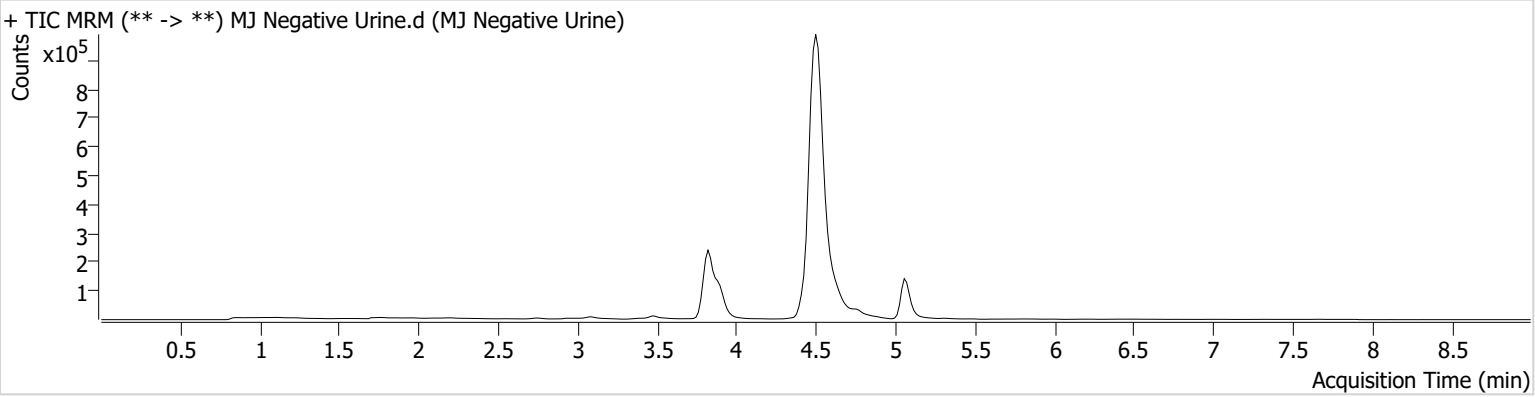
TS

AM #27 Cannabinoids Quant. Results

Batch results	D:\MassHunter\Data\2024\AM 27 28\061424 AM 27 28 TS CS\QuantResults\AM 27 TS.batch.bin
Calibration Last Update	6/18/2024 3:51:59 PM

Instrument	Falco (069901)	**Data File**	MJ Negative Urine.d
Type	Sample	**Sample**	MJ Negative Urine
Acq. Method	AM 27 Agilent Method.m	**Operator**	Tamara Salazar
Sample Position	P5-F5	**Comment**	Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values included in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.
Injection Volume	10		
Acq. Date-Time	6/15/2024 1:25:50 AM		
Sample Info.			

Sample Chromatogram



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AM #27 Cannabinoids Quant. Results

Batch results D:\MassHunter\Data\2024\AM 27 28\061424 AM 27 28 TS CS\QuantResults\AM 27 TS.batch.bin
Calibration Last Update 6/18/2024 3:51:59 PM

Instrument	Falco (069901)	**Data File**	QC Urine MJ.d
Type	QC	**Sample**	QC Urine MJ
Acq. Method	AM 27 Agilent Method.m	**Operator**	Tamara Salazar
Sample Position	P5-H5	**Comment**	Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values included in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.
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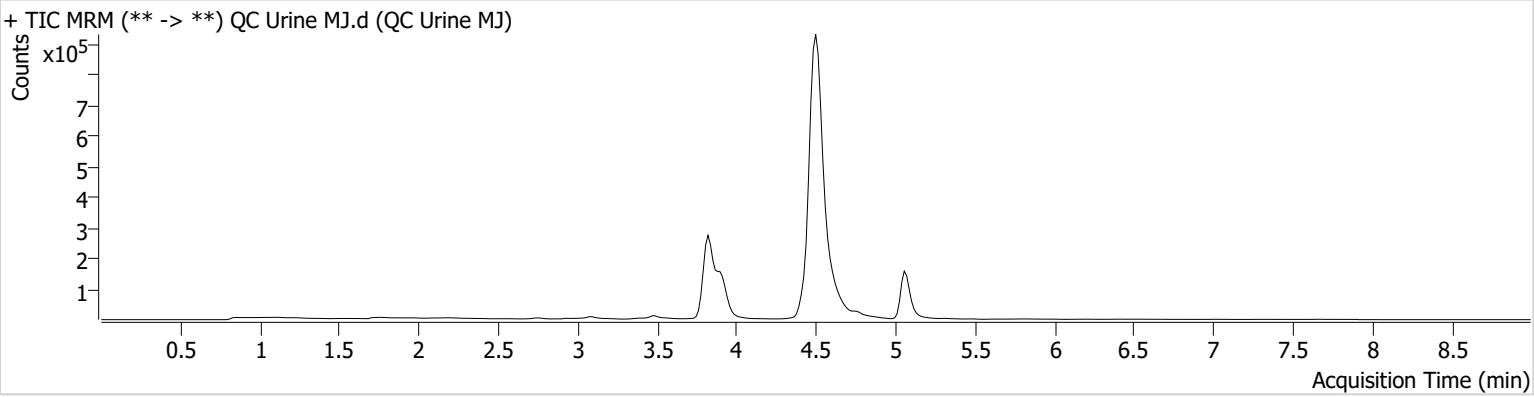
Acq. Date-Time	6/15/2024 4:55:37 AM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
THC	5.060	28801	∞	27.7	∞	601489	4.8813 ng/ml
THC-COOH	3.909	33463	∞	204.8	1181.55	366487	14.6724 ng/ml
THC-OH	3.835	92337	∞	11.5	∞	1126311	4.9757 ng/ml

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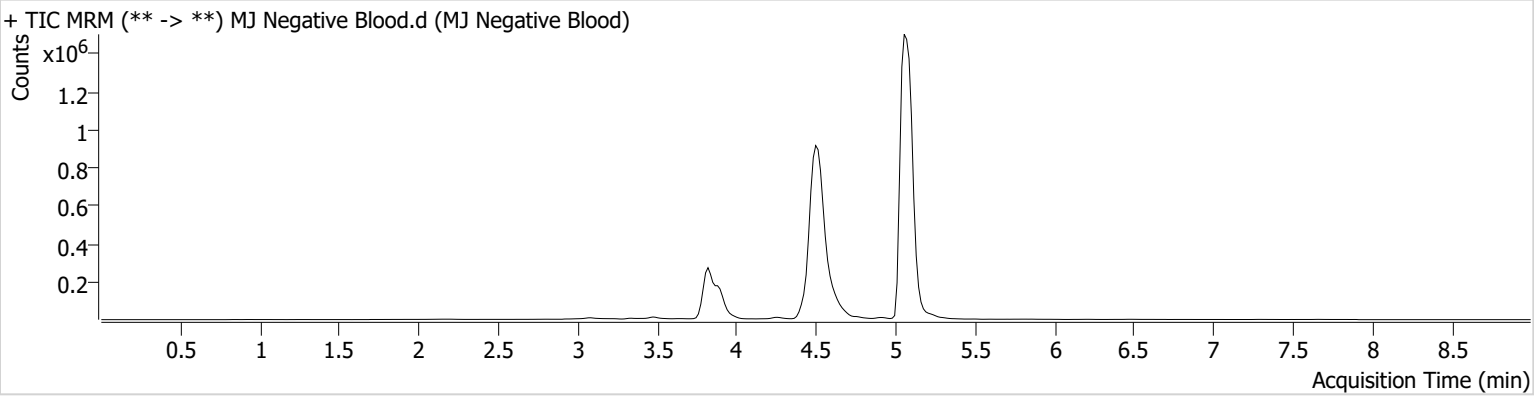
AM #27 Cannabinoids Quant. Results

Batch results	D:\MassHunter\Data\2024\AM 27 28\061424 AM 27 28 TS CS\QuantResults\AM 27 TS.batch.bin
Calibration Last Update	6/18/2024 3:51:59 PM

Instrument	Falco (069901)	**Data File**	MJ Negative Blood.d
Type	Sample	**Sample**	MJ Negative Blood
Acq. Method	AM 27 Agilent Method.m	**Operator**	Tamara Salazar
Sample Position	P5-G5	**Comment**	Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values included in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.
Injection Volume	10		
Acq. Date-Time	6/15/2024 12:59:37 AM		
Sample Info.			

Sample Chromatogram



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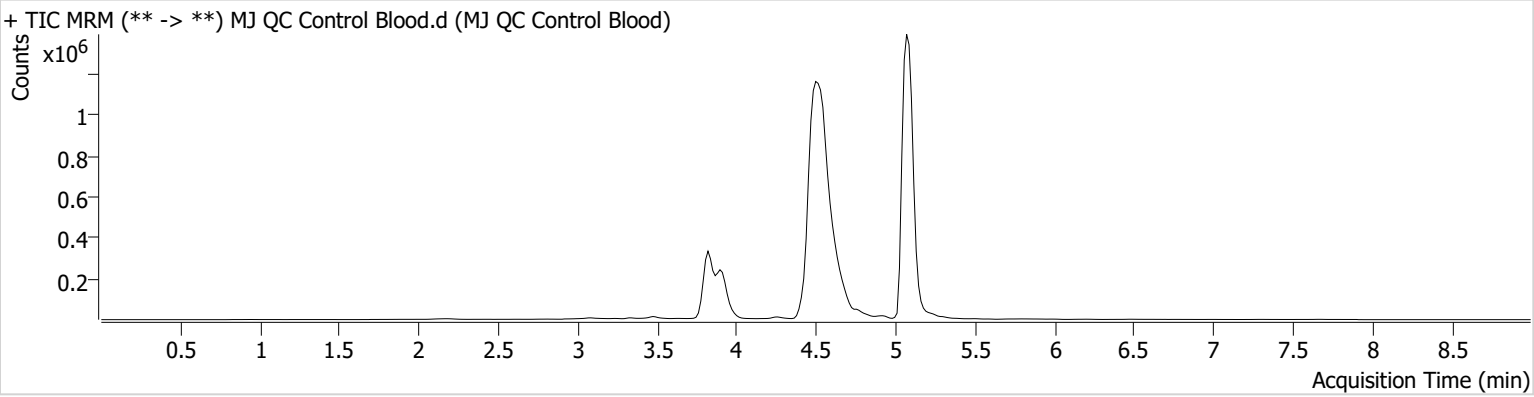
AM #27 Cannabinoids Quant. Results

Batch results D:\MassHunter\Data\2024\AM 27 28\061424 AM 27 28 TS CS\QuantResults\AM 27 TS.batch.bin
Calibration Last Update 6/18/2024 3:51:59 PM

Instrument	Falco (069901)	**Data File**	MJ QC Control Blood.d
Type	QC	**Sample**	MJ QC Control Blood
Acq. Method	AM 27 Agilent Method.m	**Operator**	Tamara Salazar
Sample Position	P5-A6	**Comment**	Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values included in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.
Injection Volume	10		
Acq. Date-Time	6/15/2024 12:33:24 AM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
THC	5.090	289963	∞	26.0	∞	5953301	4.9609 ng/ml
THC-COOH	3.909	55208	1138.80	219.8	1839.40	592479	14.9552 ng/ml
THC-OH	3.820	108007	356.59	13.5	767.23	1340530	4.8920 ng/ml

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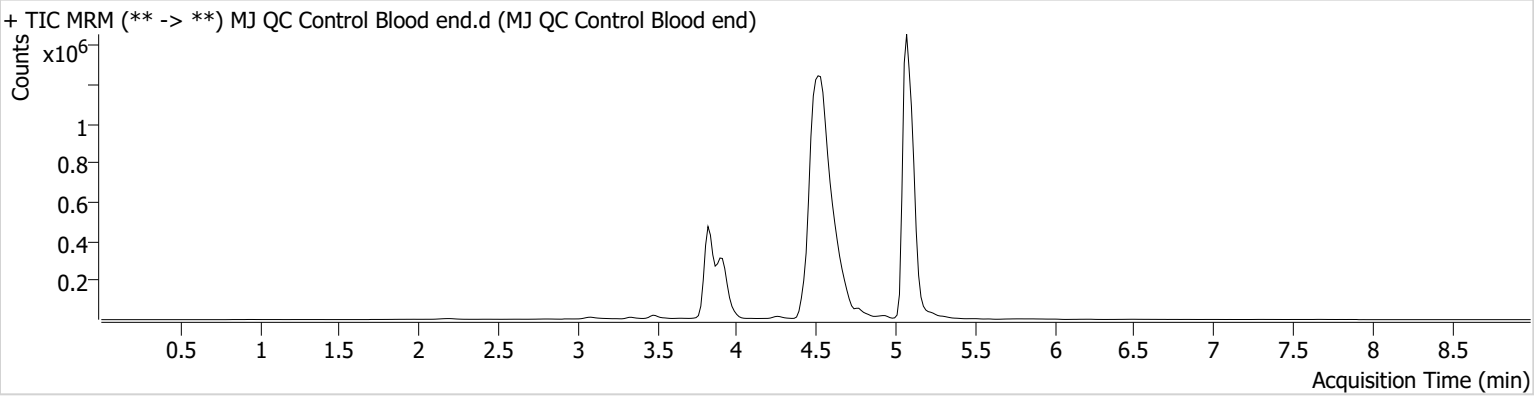
AM #27 Cannabinoids Quant. Results

Batch results D:\MassHunter\Data\2024\AM 27 28\061424 AM 27 28 TS CS\QuantResults\AM 27 TS.batch.bin
Calibration Last Update 6/18/2024 3:51:59 PM

Instrument	Falco (069901)	**Data File**	MJ QC Control Blood end.d
Type	QC	**Sample**	MJ QC Control Blood end
Acq. Method	AM 27 Agilent Method.m	**Operator**	Tamara Salazar
Sample Position	P5-A6	**Comment**	Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values included in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.
Injection Volume	10		
Acq. Date-Time	6/15/2024 5:21:52 AM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
THC	5.075	312833	4331.16	25.1	∞	6048932	5.2515 ng/ml
THC-COOH	3.924	72391	∞	220.6	1518.87	755523	15.3533 ng/ml
THC-OH	3.835	145713	∞	13.6	289.92	1809485	4.8894 ng/ml

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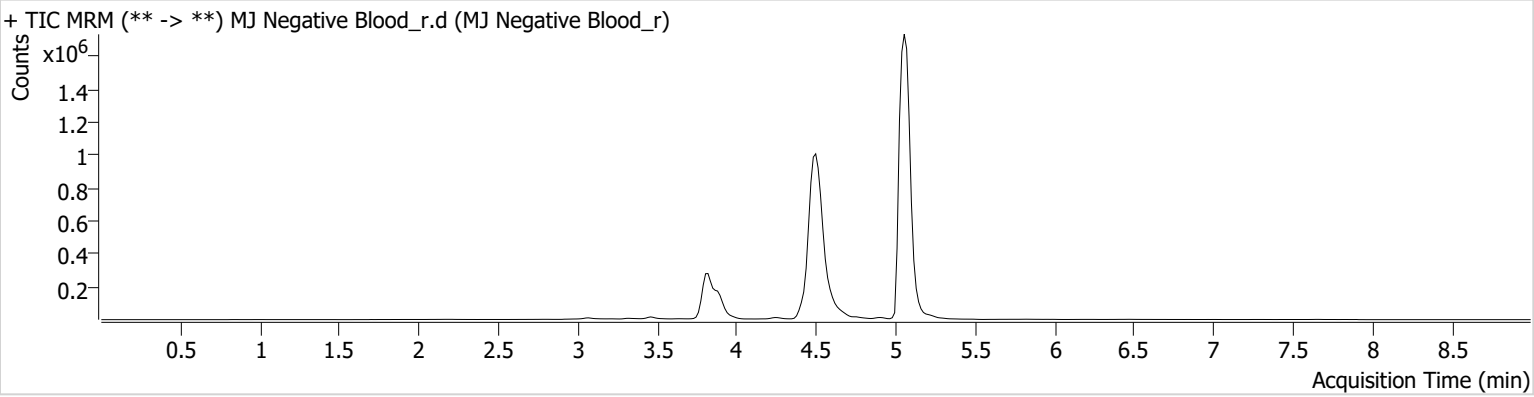
AM #27 Cannabinoids Quant. Results

Batch results D:\MassHunter\Data\2024\AM 27 28\061424 AM 27 28 TS CS\QuantResults\AM 27 TS.batch.bin
Calibration Last Update 6/18/2024 3:51:59 PM

Instrument	Falco (069901)	**Data File**	MJ Negative Blood_r.d
Type	Sample	**Sample**	MJ Negative Blood_r
Acq. Method	AM 27 Agilent Method.m	**Operator**	Tamara Salazar
Sample Position	P5-G5	**Comment**	Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values included in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.
Injection Volume	10		
Acq. Date-Time	6/17/2024 12:44:02 PM		
Sample Info.	New mobile phase needed to be made to re-inject samples. This negative control was run to show the new mobile phase is not contaminated.		

Sample Chromatogram



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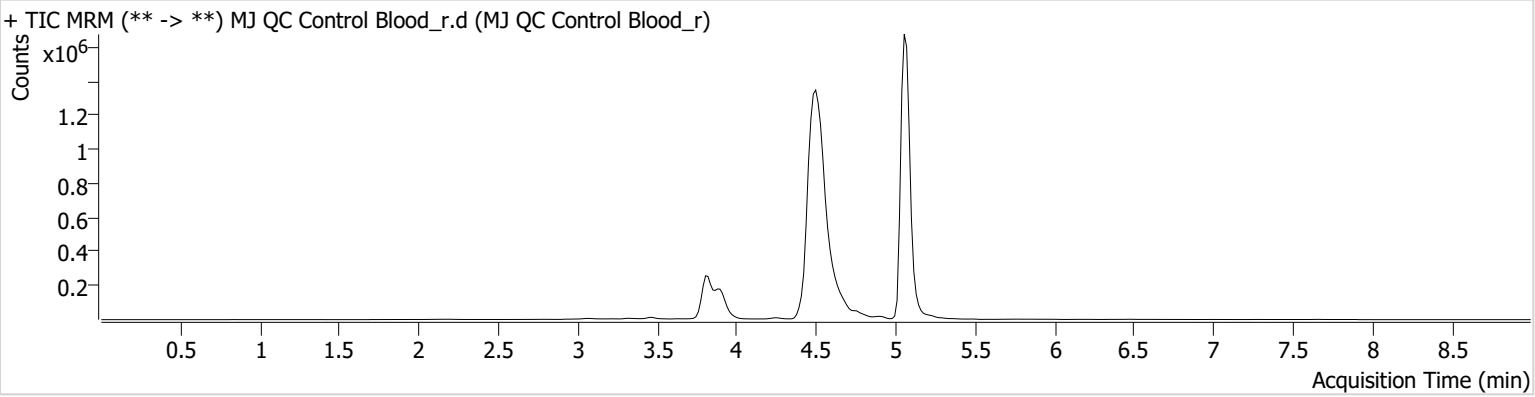
AM #27 Cannabinoids Quant. Results

Batch results D:\MassHunter\Data\2024\AM 27 28\061424 AM 27 28 TS CS\QuantResults\AM 27 TS.batch.bin
Calibration Last Update 6/18/2024 3:51:59 PM

Instrument	Falco (069901)	**Data File**	MJ QC Control Blood_r.d
Type	QC	**Sample**	MJ QC Control Blood_r
Acq. Method	AM 27 Agilent Method.m	**Operator**	Tamara Salazar
Sample Position	P5-A6	**Comment**	Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values included in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.
Injection Volume	10		
Acq. Date-Time	6/17/2024 12:17:40 PM		
Sample Info.	Used to bracket negative control and reinjected samples.		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
THC	5.060	291564	8761.30	25.4	∞	6081529	4.8871 ng/ml
THC-COOH	3.909	38111	733.84	249.8	∞	433410	14.1624 ng/ml
THC-OH	3.820	77474	∞	13.3	131.97	1062470	4.4381 ng/ml

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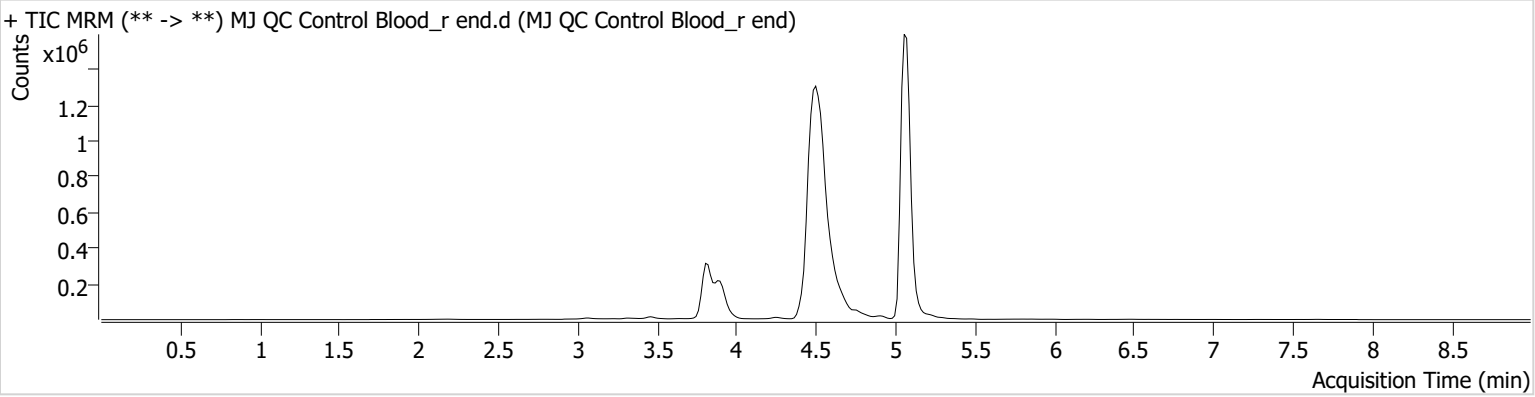
AM #27 Cannabinoids Quant. Results

Batch results D:\MassHunter\Data\2024\AM 27 28\061424 AM 27 28 TS CS\QuantResults\AM 27 TS.batch.bin
Calibration Last Update 6/18/2024 3:51:59 PM

Instrument	Falco (069901)	**Data File**	MJ QC Control Blood_r end.d
Type	QC	**Sample**	MJ QC Control Blood_r end
Acq. Method	AM 27 Agilent Method.m	**Operator**	Tamara Salazar
Sample Position	P5-A6	**Comment**	Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values included in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.
Injection Volume	10		
Acq. Date-Time	6/17/2024 1:36:28 PM		
Sample Info.	Used to bracket negative control and reinjected samples.		

Sample Chromatogram

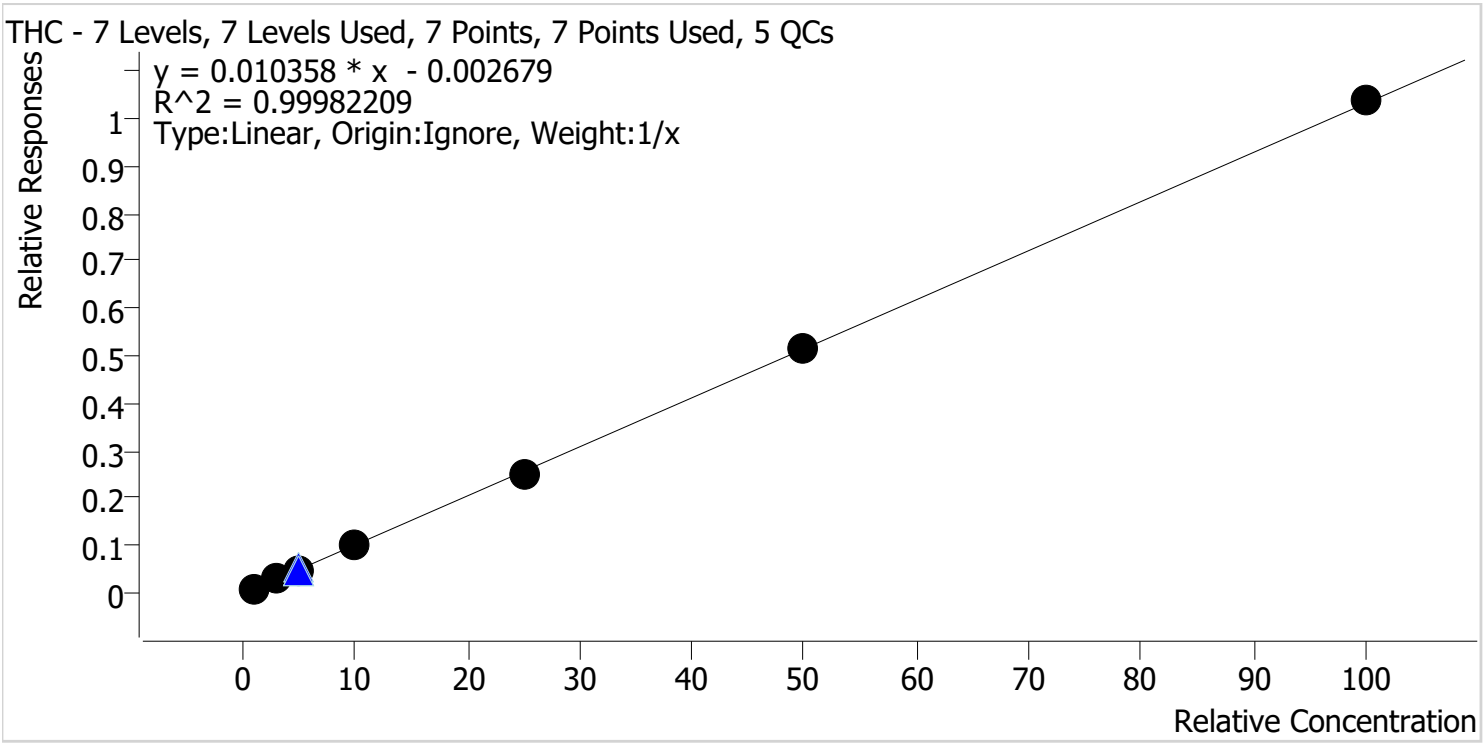


Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
THC	5.075	298537	∞	25.4	∞	6132040	4.9588 ng/ml
THC-COOH	3.909	45568	630.32	251.8	1952.51	531678	13.8261 ng/ml
THC-OH	3.820	92041	168.70	14.0	179.26	1284931	4.3618 ng/ml

TS

AM #27 Cannabinoids Quant. Calibration Curve Report

Batch results	D:\MassHunter\Data\2024\AM 27 28\061424 AM 27 28 TS CS\QuantResults\AM 27 TS.batch.bin
Last Cal. Update	6/18/2024 3:51 PM
Analyst Name	ISP\Datastor
Analyte	THC
Internal Standard	THC-D3

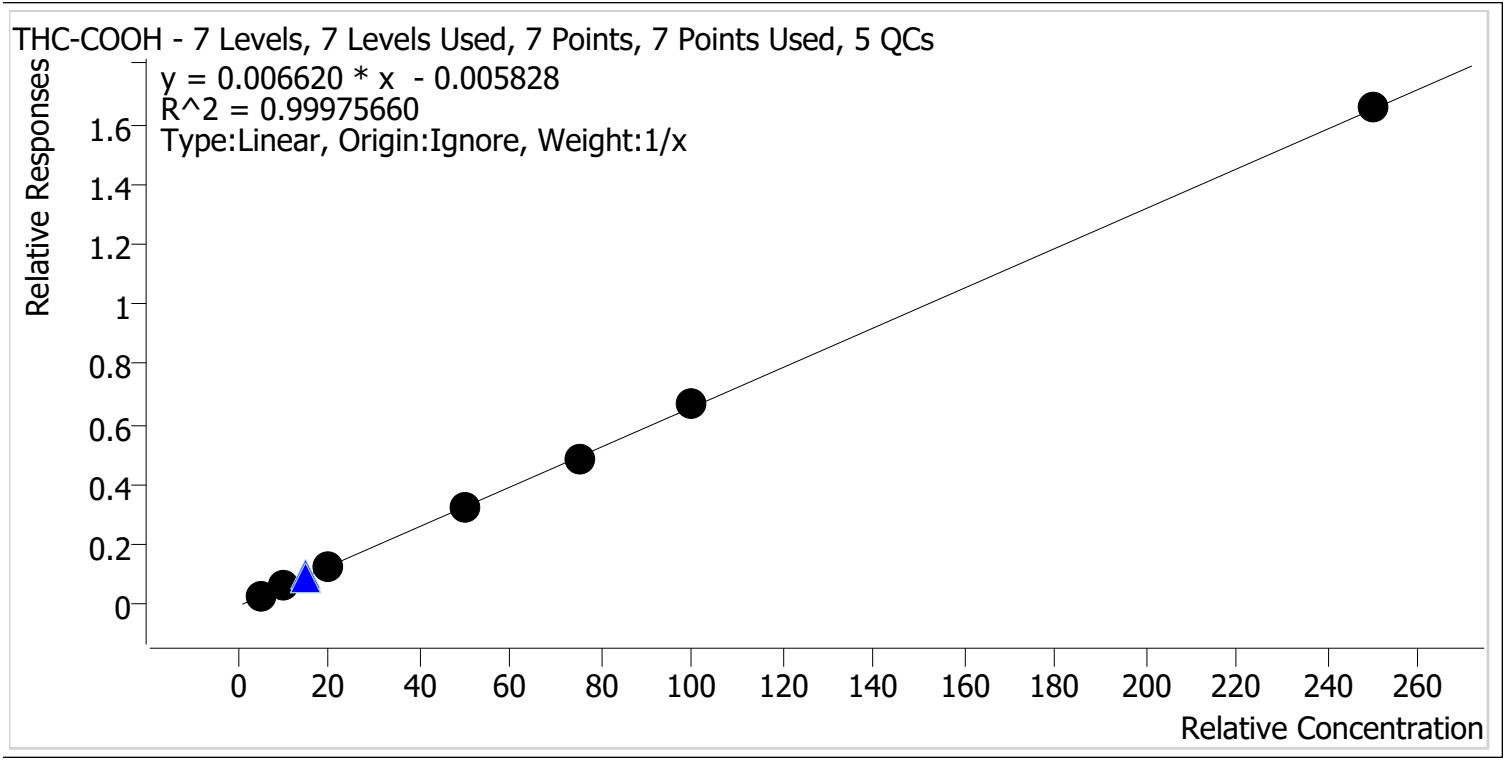


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
Cal 1 MJ	1	✔	1.0	1.1	108.4
Cal 2 MJ	2	✔	3.0	2.9	97.9
Cal 3 MJ	3	✔	5.0	4.8	96.0
Cal 4 MJ	4	✔	10.0	9.8	98.2
Cal 5 MJ	5	✔	25.0	24.6	98.4
Cal 6 MJ	6	✔	50.0	50.2	100.4
Cal 7 MJ	7	✔	100.0	100.5	100.5

TS

AM #27 Cannabinoids Quant. Calibration Curve Report

Batch results	D:\MassHunter\Data\2024\AM 27 28\061424 AM 27 28 TS CS\QuantResults\AM 27 TS.batch.bin
Last Cal. Update	6/18/2024 3:51 PM
Analyst Name	ISP\Datastor
Analyte	THC-COOH
Internal Standard	THC-COOH-D9

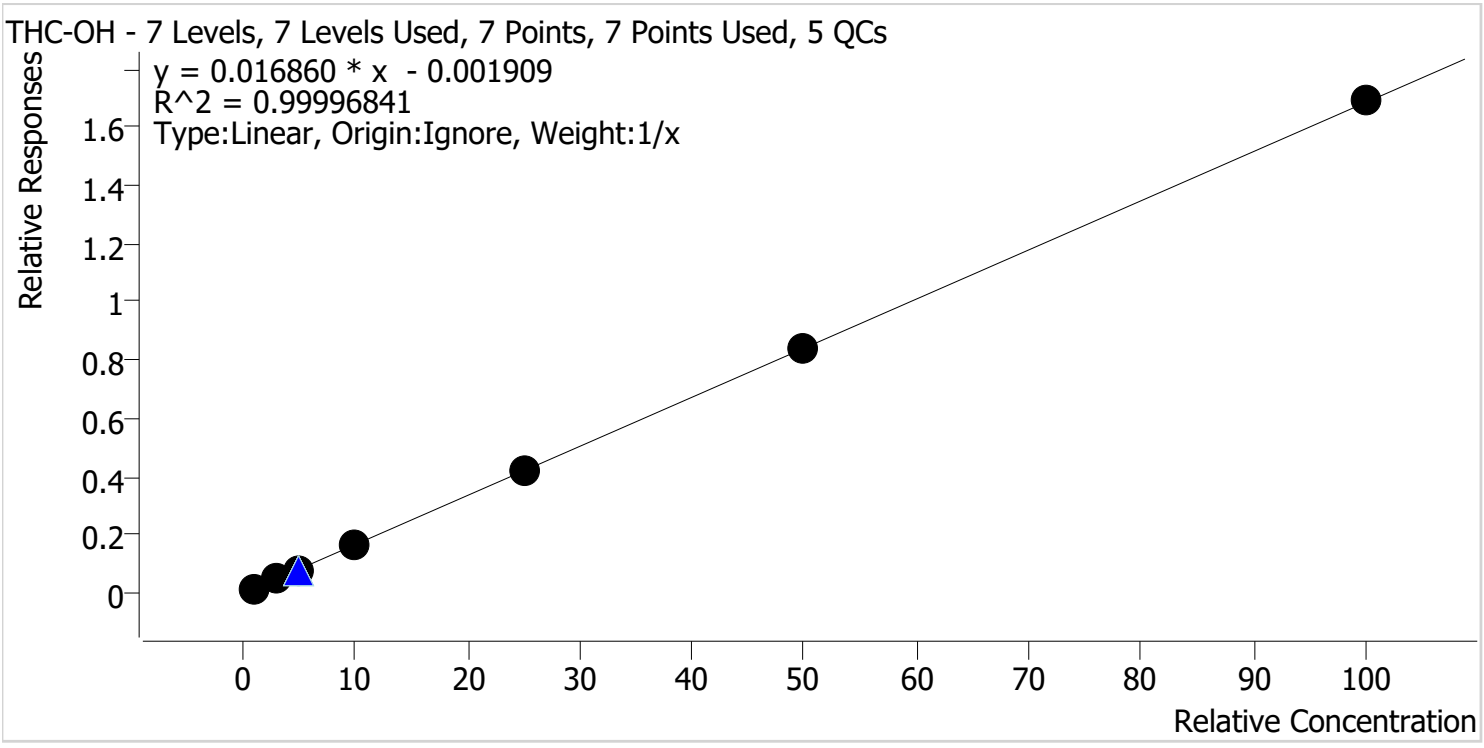


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
Cal 1 MJ	1	✔	5.0	5.2	103.5
Cal 2 MJ	2	✔	10.0	9.9	99.3
Cal 3 MJ	3	✔	20.0	19.5	97.7
Cal 4 MJ	4	✔	50.0	50.2	100.5
Cal 5 MJ	5	✔	75.0	73.0	97.3
Cal 6 MJ	6	✔	100.0	101.4	101.4
Cal 7 MJ	7	✔	250.0	250.8	100.3

TS

AM #27 Cannabinoids Quant. Calibration Curve Report

Batch results	D:\MassHunter\Data\2024\AM 27 28\061424 AM 27 28 TS CS\QuantResults\AM 27 TS.batch.bin
Last Cal. Update	6/18/2024 3:51 PM
Analyst Name	ISP\Datastor
Analyte	THC-OH
Internal Standard	THC-OH-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
Cal 1 MJ	1	✔	1.0	1.0	103.3
Cal 2 MJ	2	✔	3.0	3.0	99.4
Cal 3 MJ	3	✔	5.0	4.9	98.8
Cal 4 MJ	4	✔	10.0	9.9	98.8
Cal 5 MJ	5	✔	25.0	24.9	99.5
Cal 6 MJ	6	✔	50.0	49.9	99.9
Cal 7 MJ	7	✔	100.0	100.3	100.3

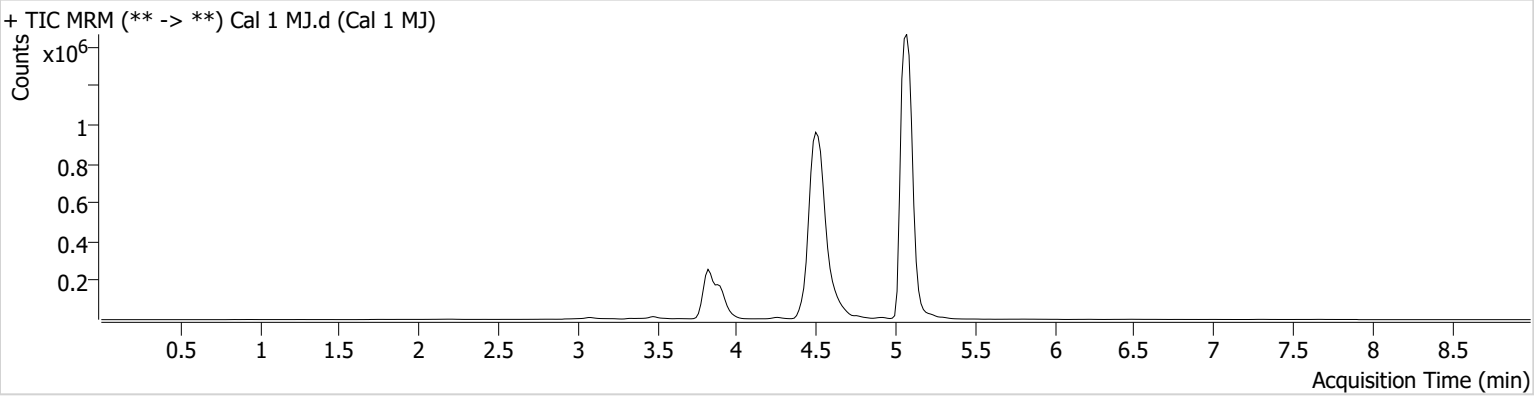
TS

AM #27 Cannabinoids Quant. Results

Batch results D:\MassHunter\Data\2024\AM 27 28\061424 AM 27 28 TS CS\QuantResults\AM 27 TS.batch.bin
Calibration Last Update 6/18/2024 3:51:59 PM

Instrument	Falco (069901)	**Data File**	Cal 1 MJ.d
Type	Cal	**Sample**	Cal 1 MJ
Acq. Method	AM 27 Agilent Method.m	**Operator**	Tamara Salazar
Sample Position	P5-H6	**Comment**	Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values included in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.
Injection Volume	10		
Acq. Date-Time	6/14/2024 10:48:21 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
THC	5.075	60298	∞	27.2	∞	7049118	1.0845 ng/ml
THC-COOH	3.924	14932	∞	216.7	263.66	525199	5.1748 ng/ml
THC-OH	3.820	18493	216.71	14.0	16.16	1192939	1.0327 ng/ml

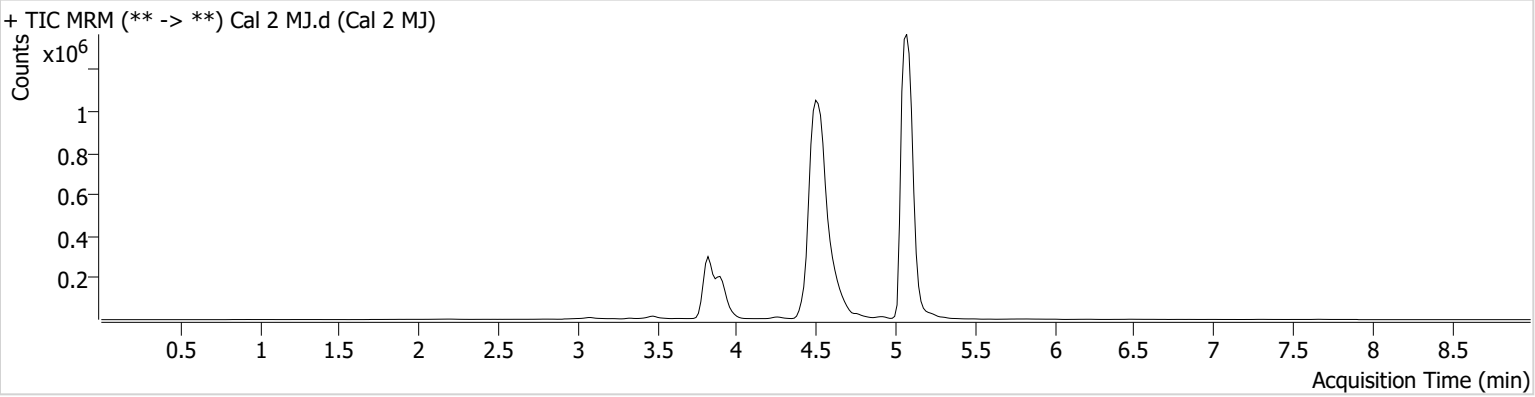
TS

AM #27 Cannabinoids Quant. Results

Batch results D:\MassHunter\Data\2024\AM 27 28\061424 AM 27 28 TS CS\QuantResults\AM 27 TS.batch.bin
Calibration Last Update 6/18/2024 3:51:59 PM

Instrument	Falco (069901)	**Data File**	Cal 2 MJ.d
Type	Cal	**Sample**	Cal 2 MJ
Acq. Method	AM 27 Agilent Method.m	**Operator**	Tamara Salazar
Sample Position	P5-G6	**Comment**	Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values included in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.
Injection Volume	10		
Acq. Date-Time	6/14/2024 11:01:38 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
THC	5.075	176304	2584.23	26.5	∞	6353249	2.9377 ng/ml
THC-COOH	3.909	33184	∞	217.0	1376.80	553605	9.9344 ng/ml
THC-OH	3.820	60826	318.62	13.4	∞	1257969	2.9811 ng/ml

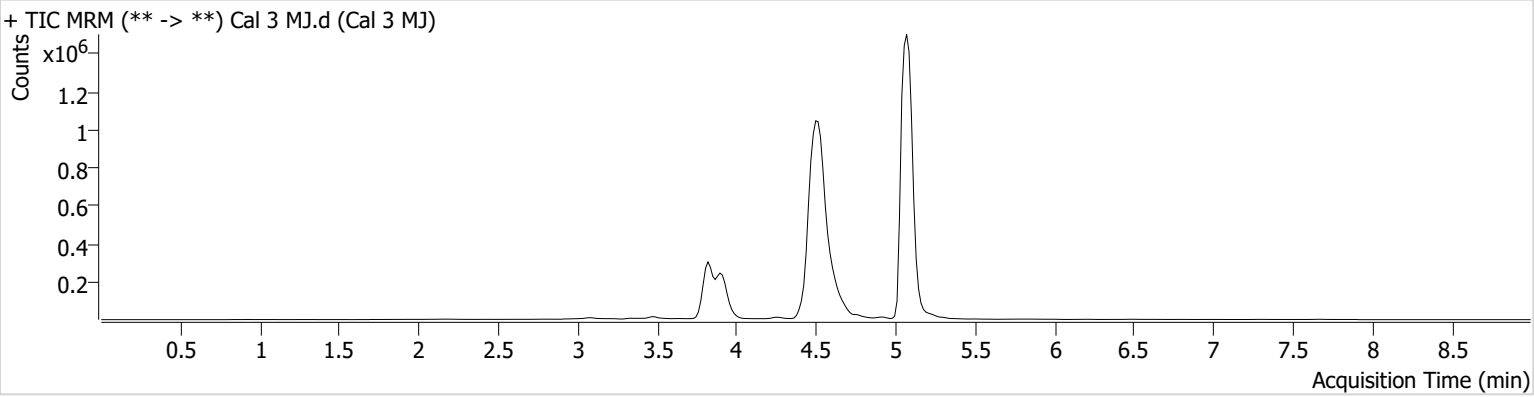
TS

AM #27 Cannabinoids Quant. Results

Batch results D:\MassHunter\Data\2024\AM 27 28\061424 AM 27 28 TS CS\QuantResults\AM 27 TS.batch.bin
Calibration Last Update 6/18/2024 3:51:59 PM

Instrument	Falco (069901)	**Data File**	Cal 3 MJ.d
Type	Cal	**Sample**	Cal 3 MJ
Acq. Method	AM 27 Agilent Method.m	**Operator**	Tamara Salazar
Sample Position	P5-F6	**Comment**	Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values included in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.
Injection Volume	10		
Acq. Date-Time	6/14/2024 11:14:44 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
THC	5.075	316954	∞	25.9	∞	6737844	4.8001 ng/ml
THC-COOH	3.909	68830	∞	211.9	∞	556969	19.5470 ng/ml
THC-OH	3.820	102508	576.49	13.4	229.79	1259100	4.9420 ng/ml

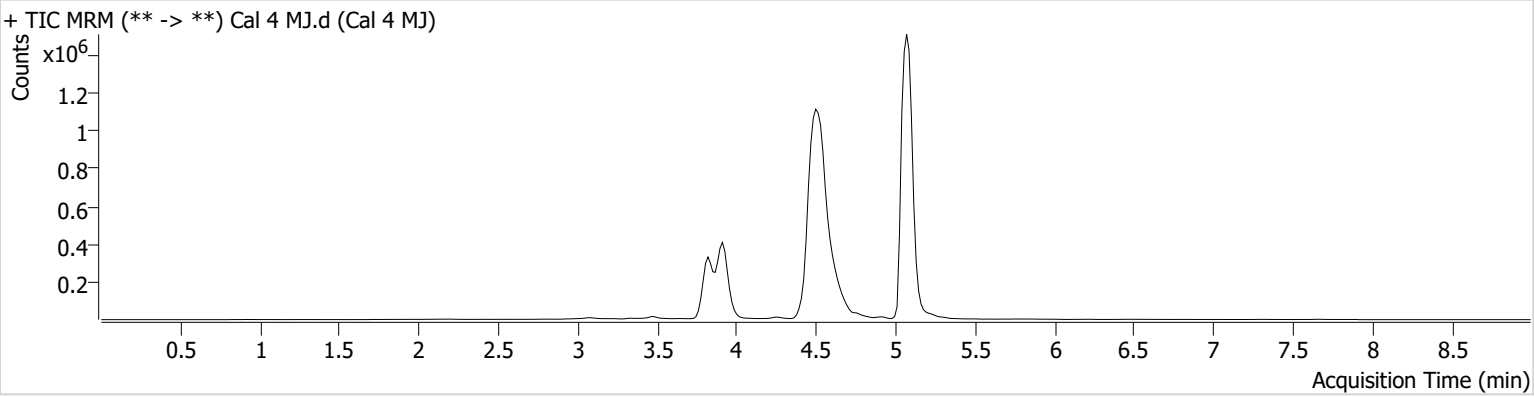
TS

AM #27 Cannabinoids Quant. Results

Batch results D:\MassHunter\Data\2024\AM 27 28\061424 AM 27 28 TS CS\QuantResults\AM 27 TS.batch.bin
Calibration Last Update 6/18/2024 3:51:59 PM

Instrument	Falco (069901)	**Data File**	Cal 4 MJ.d
Type	Cal	**Sample**	Cal 4 MJ
Acq. Method	AM 27 Agilent Method.m	**Operator**	Tamara Salazar
Sample Position	P5-E6	**Comment**	Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values included in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.
Injection Volume	10		
Acq. Date-Time	6/14/2024 11:27:50 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
THC	5.075	613231	3044.99	25.7	∞	6190059	9.8228 ng/ml
THC-COOH	3.909	178650	∞	215.3	∞	546788	50.2321 ng/ml
THC-OH	3.820	209609	434.64	12.9	∞	1272957	9.8796 ng/ml

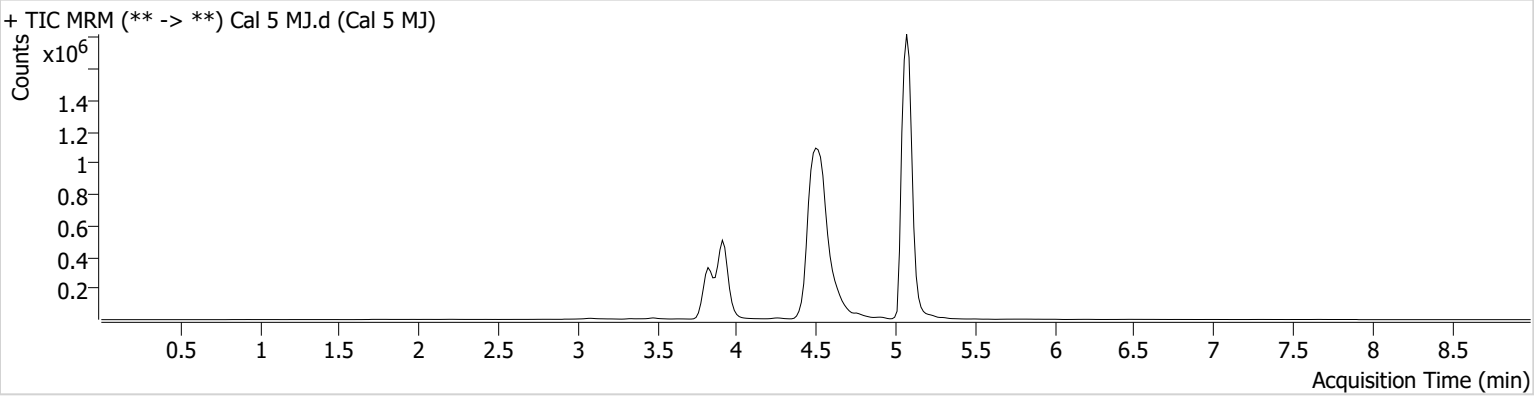
TS

AM #27 Cannabinoids Quant. Results

Batch results D:\MassHunter\Data\2024\AM 27 28\061424 AM 27 28 TS CS\QuantResults\AM 27 TS.batch.bin
Calibration Last Update 6/18/2024 3:51:59 PM

Instrument	Falco (069901)	**Data File**	Cal 5 MJ.d
Type	Cal	**Sample**	Cal 5 MJ
Acq. Method	AM 27 Agilent Method.m	**Operator**	Tamara Salazar
Sample Position	P5-D6	**Comment**	Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values included in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.
Injection Volume	10		
Acq. Date-Time	6/14/2024 11:40:58 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
THC	5.075	1495605	6429.96	26.2	∞	5929483	24.6096 ng/ml
THC-COOH	3.909	239544	∞	212.8	∞	501961	72.9636 ng/ml
THC-OH	3.820	437152	∞	13.7	331.74	1047282	24.8708 ng/ml

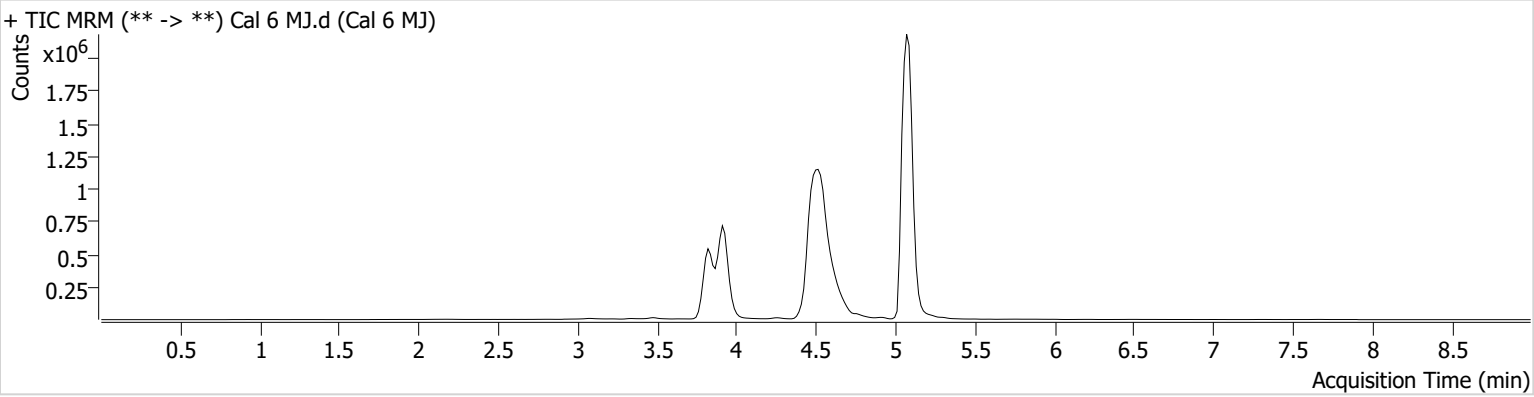
TS

AM #27 Cannabinoids Quant. Results

Batch results	D:\MassHunter\Data\2024\AM 27 28\061424 AM 27 28 TS CS\QuantResults\AM 27 TS.batch.bin
Calibration Last Update	6/18/2024 3:51:59 PM

Instrument	Falco (069901)	**Data File**	Cal 6 MJ.d
Type	Cal	**Sample**	Cal 6 MJ
Acq. Method	AM 27 Agilent Method.m	**Operator**	Tamara Salazar
Sample Position	P5-C6	**Comment**	Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values included in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.
Injection Volume	10		
Acq. Date-Time	6/14/2024 11:54:04 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
THC	5.075	3095969	∞	26.7	∞	5983261	50.2131 ng/ml
THC-COOH	3.909	360424	∞	213.0	4878.09	541823	101.3592 ng/ml
THC-OH	3.820	1089348	3475.63	13.5	988.90	1296487	49.9486 ng/ml

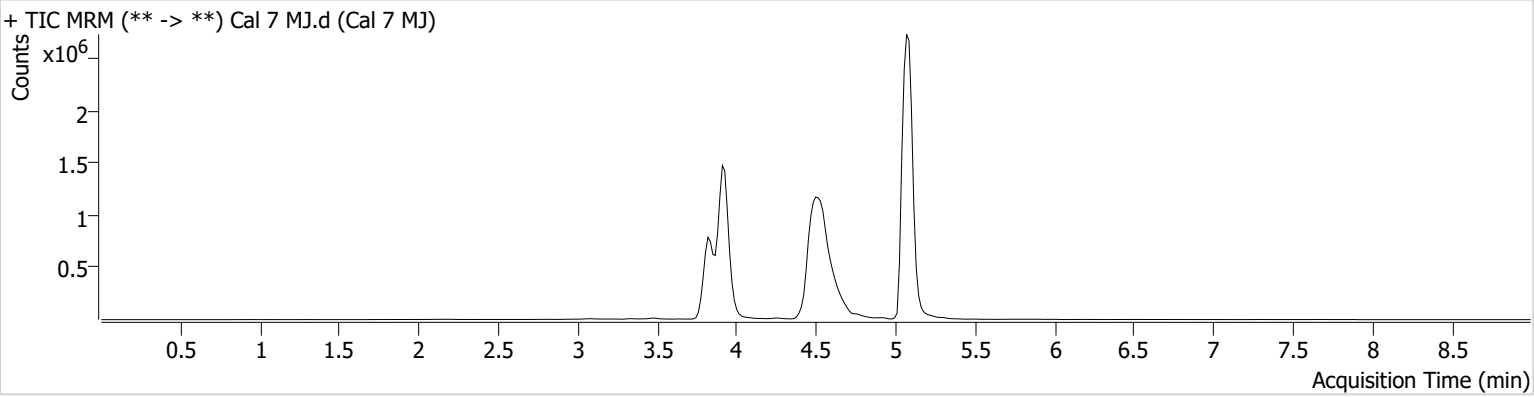
TS

AM #27 Cannabinoids Quant. Results

Batch results D:\MassHunter\Data\2024\AM 27 28\061424 AM 27 28 TS CS\QuantResults\AM 27 TS.batch.bin
Calibration Last Update 6/18/2024 3:51:59 PM

Instrument	Falco (069901)	**Data File**	Cal 7 MJ.d
Type	Cal	**Sample**	Cal 7 MJ
Acq. Method	AM 27 Agilent Method.m	**Operator**	Tamara Salazar
Sample Position	P5-B6	**Comment**	Only drugs and concentrations listed on the laboratory report itself are appropriate to be used for interpretation purposes. Any drugs or values included in the notes but not included on the report are used by laboratory personnel to make determinations/reach conclusions within the confines of the methods.
Injection Volume	10		
Acq. Date-Time	6/15/2024 12:07:11 AM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
THC	5.090	5478131	30516.00	26.6	∞	5274261	100.5322 ng/ml
THC-COOH	3.909	852094	5801.33	208.1	∞	515021	250.7889 ng/ml
THC-OH	3.820	2148258	11098.96	13.7	4658.17	1271218	100.3451 ng/ml