REVIEWED
By Sarah Collins at 2:12 pm, Jan 26, 2021

TS 1/15/2021

Worklist: 4745

LAB_CASE	ITEM	ITEM_TYPE	DESCRIPTION
M2020-4600	2	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
M2020-5211	2	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
M2020-5213	2	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
M2020-5270	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
M2020-5292	2	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
M2021-0042	2	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2020-3832	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2020-3854	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2020-3854	2	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2021-0009	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2021-0033	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2021-0034	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2021-0051	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2021-0052	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2021-0053	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2021-0054	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2021-0055	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2021-0057	2	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2021-0069	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2021-0070	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2021-0072	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ

Worklist: 4745

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LAB_CASE	ITEM	ITEM_TYPE	DESCRIPTION
P2021-0073	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2021-0096	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2021-0112	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2021-0113	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: 01/20/2021 Analyst: Tamara Salazar
Plate Item#: IDP-107-2 Plate Lot#: 200511 Plate Expiration: 11/11/2020—ok with external control
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: 300 uL
☒ 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

Idaho State Police
Forensic Services

AM #25 Blood Multi-Drug Screen by LCMS-QQQ
And
AM #28 Blood Multi-Drug Confirmatory Analysis by LCMS-QQQ---Panel 1

Methanol External Control Solution (Lot: 121020)

100 µL of 1mg/mL stock was added to each drug to 9600 µL of LC MeOH.

Component	***Source***	***Source Lot Number***	***Expiration Date***
Methanol (LCMS)	Fisher	197468	
Alprazolam	Cerilliant	FE07061604	07/31/2021
Clonazepam	Cerilliant	FE07131603	10/31/2021
Hydrocodone	Cerilliant	FE04241902	09/30/2024
Morphine	Cerilliant	FE06231704	07/31/2022
Prepared:	12/10/2020		
Prepared By:	Tamara Salazar		
Expires:	07/31/2021		

Blood External Control Solution (Lot: WS121020)

100 µL of methanol external control solution was added to 9900 µL of blood.
Approximately 100 ng/mL of each compound.

Component	***Source***	***Source Lot Number***
Negative Blood	Lampire	20L20725
Methanol External Control Solution		121020
Prepared:	12/10/2020	
Prepared by:	Tamara Salazar	
Expires:	07/31/2021	

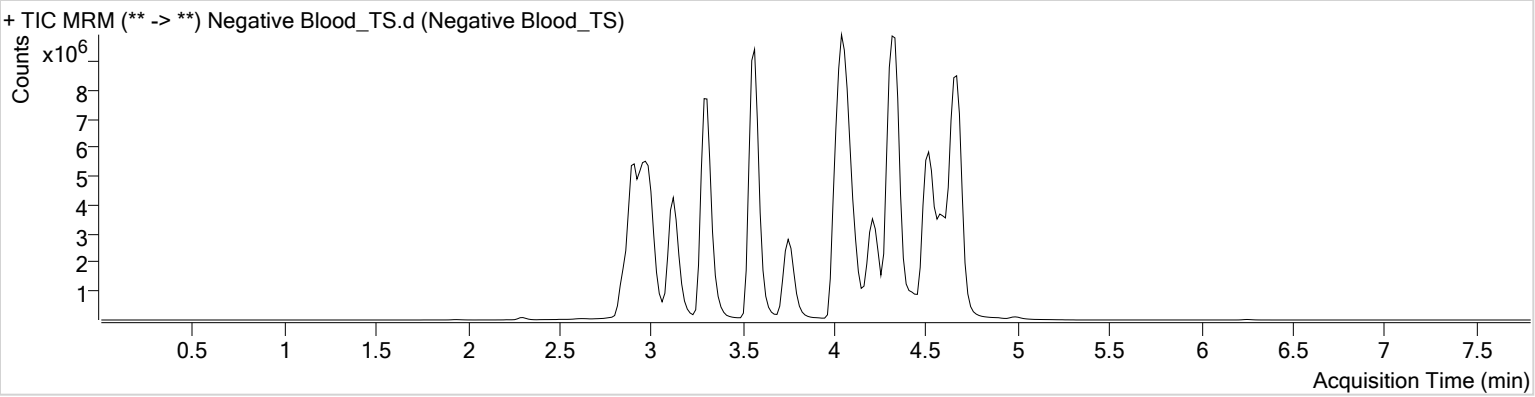
TS

AM #25 Multi-Drug Screen Results

Batch results	D:\MassHunter\Data\2021\AM 25-26\AM 28 P1 012021 CS_AM25_26 TS\QuantResults\AM 25_TS_correct.batch.bin
Calibration Last Update	1/26/2021 8:32:25 AM

Instrument	Instrument 1	**Data File**	Negative Blood_TS.d
Type	Sample	**Sample**	Negative Blood_TS
Acq. Method	AM 25 MDS.m	**Operator**	Tamara Salazar
Sample Position	P2-D12	**Comment**	
Injection Volume	5		
Acq. Date-Time	1/21/2021 12:42:34 PM		
Sample Info.			

Sample Chromatogram



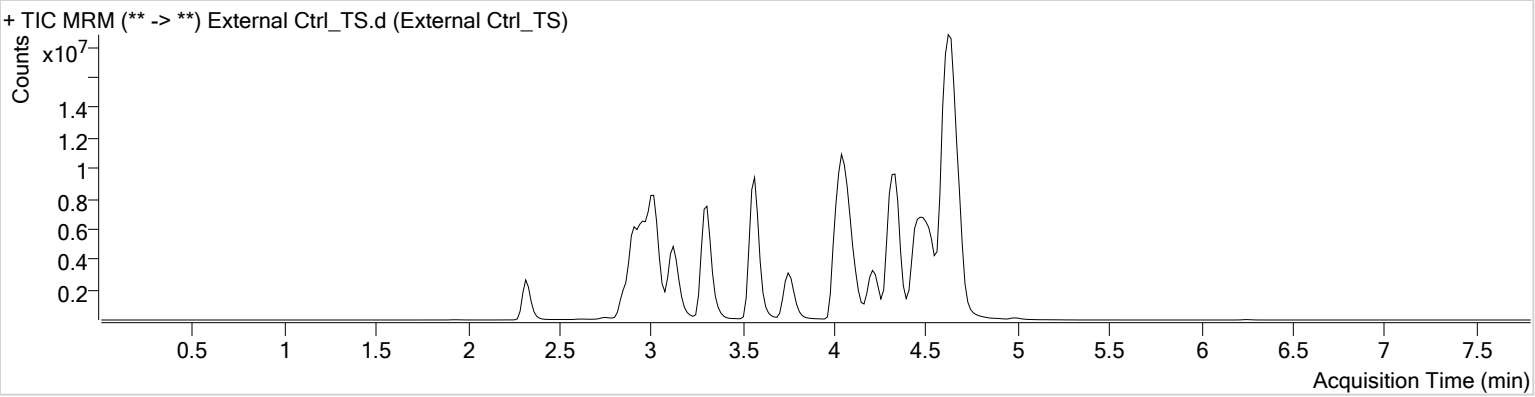
TS

AM #25 Multi-Drug Screen Results

Batch results D:\MassHunter\Data\2021\AM 25-26\AM 28 P1 012021 CS_AM25_26 TS\QuantResults\AM 25_TS_correct.batch.bin
Calibration Last Update 1/26/2021 8:32:25 AM

Instrument	Instrument 1	**Data File**	External Ctrl_TS.d
Type	Sample	**Sample**	External Ctrl_TS
Acq. Method	AM 25 MDS.m	**Operator**	Tamara Salazar
Sample Position	P2-C12	**Comment**	
Injection Volume	5		
Acq. Date-Time	1/21/2021 12:50:59 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
Alprazolam	4.626	33599688	∞	15128.57	31345901	77.7139
Clonazepam	4.455	17413665	∞	4225556.18	31345901	92.0055
Hydrocodone	3.018	13486528	228.74	∞	9555659	84.1599
Morphine	2.321	2690962	∞	∞	228487	98.1020

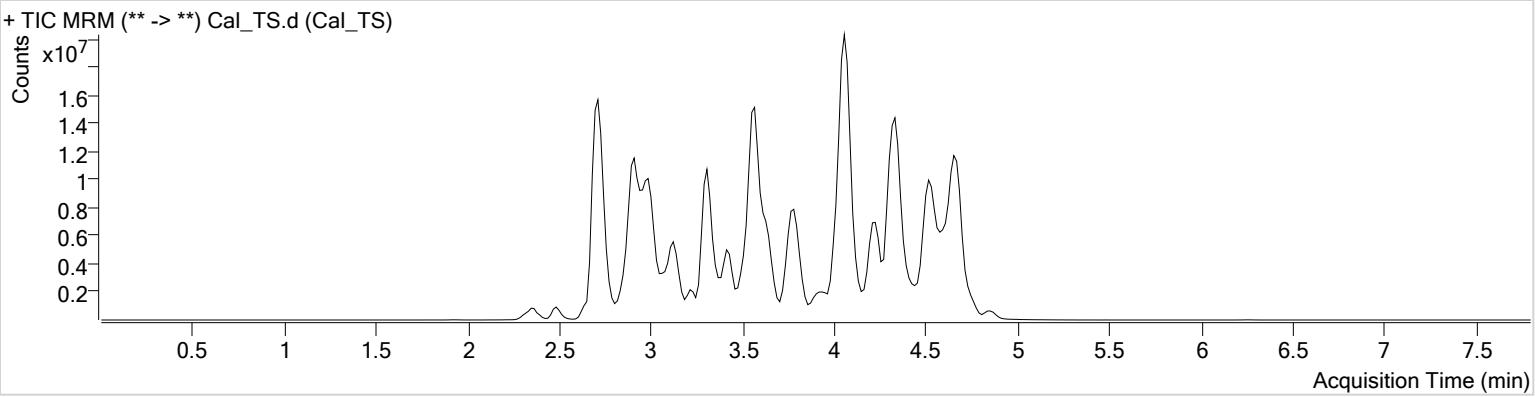
TS

AM #25 Multi-Drug Screen Results

Batch results D:\MassHunter\Data\2021\AM 25-26\AM 28 P1 012021 CS_AM25_26 TS\QuantResults\AM 25_TS_correct.batch.bin
Calibration Last Update 1/26/2021 8:32:25 AM

Instrument	Instrument 1	**Data File**	Cal_TS.d
Type	Cal	**Sample**	Cal_TS
Acq. Method	AM 25 MDS.m	**Operator**	Tamara Salazar
Sample Position	P2-H12	**Comment**	
Injection Volume	5		
Acq. Date-Time	1/21/2021 12:33:58 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
6-MAM	2.922	64919	∞	16758.65	1769083	10.0000
7-aminoclonazepam	3.569	1807020	∞	394.46	7933836	10.0000
7-aminoflunitrazepam	3.768	3047794	398.42	616.39	7933836	10.0000
Acetyl Fentanyl	3.872	109358	71.94	4857.22	31699445	10.0000
Acetyl Norfentanyl	2.886	332642	1325.16	∞	31699445	10.0000
a-hydroxyalprazolam	4.515	418254	441.93	42531.49	7933836	10.0000
alpha-hydroxymidazolam	4.591	3090243	∞	94243.78	7933836	10.0000
Alpha-PHP	3.818	2490330	1806.35	∞	31699445	10.0000
alpha-PVP	3.544	4012331	1947.45	1599.42	6955514	10.0000
Alprazolam	4.610	3793686	∞	∞	27504624	10.0000
Amitriptyline	4.430	393333	∞	∞	1130765	10.0000
Amphetamine	2.905	3024318	458.56	4864.69	6955514	10.0000
Benzoylecgonine	3.385	1152017	5130.16	∞	545621	10.0000
Brompheniramine	4.041	38463	1937.85	209.56	24772807	10.0000
Buprenorphine	4.649	281973	146.52	175.47	1235882	10.0000
Bupropion	3.773	3204846	∞	∞	11843052	10.0000
Carbamazepine	4.235	11850510	∞	∞	742593	10.0000
Carisoprodol	4.233	1855007	93660.69	217.61	10557863	10.0000
Chlordiazepoxide	4.750	1800548	65.85	458.29	27504624	10.0000
Chlorpheniramine	3.939	2845907	196.25	4.87 **Low**	24772807	10.0000
Citalopram	4.071	1347435	564.88	75942.74	24772807	10.0000
Clomipramine	4.640	473347	23740.82	17.46	24772807	10.0000
Clonazepam	4.455	1660739	5844.82	∞	27504624	10.0000
Clonazolam	4.375	2067320	1441.36	185269.46	27504624	10.0000
Cocaethylene	3.780	4543639	∞	7068.00	28579814	10.0000
Cocaine	3.567	5506081	2234104.96	1911.54	28579814	10.0000
Codeine	2.836	359180	115389.30	627.16	11049330	10.0000
Cyclobenzaprine	4.354	446714	135.94	12.07	1130765	10.0000
Desipramine	4.386	626906	133.31	617.22	1130765	10.0000
Dextromethorphan	4.078	624531	∞	1237.60	3333439	10.0000
Dextrorphan	3.372	2828940	∞	6584.34	3333439	10.0000
Diazepam	4.859	1220685	∞	∞	27504624	10.0000
Dihydrocodeine	2.743	1121159	∞	∞	11049330	10.0000
Diphenhydramine	4.032	3487844	21815.77	135.45	24772807	10.0000

TS

AM #25 Multi-Drug Screen Results

Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
Doxepin	4.153	379266	206.59	25.35	8403937	10.0000
Doxylamine	3.632	8268541	794877.11	∞	3333439	10.0000
EDDP	4.061	4641927	∞	1325.38	2568117	10.0000
Estazolam	4.535	7748309	2459.03	∞	27504624	10.0000
Etizolam	4.621	456225	131520.55	283.86	27504624	10.0000
Fentanyl	4.100	52456	45.93	7963.07	3225079	10.0000
Flualprazolam	4.484	1533785	∞	∞	27504624	10.0000
Flunitrazepam	4.579	3044441	158739.81	61984.45	27504624	10.0000
Fluoxetine	4.334	342315	∞	∞	1029888	10.0000
Flurazepam	4.191	1707042	563637.33	188.19	27504624	10.0000
Hydrocodone	3.018	1852978	65.48	∞	11049330	10.0000
Hydromorphone	2.488	1456812	∞	∞	267828	10.0000
Imipramine	4.399	954246	57750.21	∞	1130765	10.0000
Ketamine	3.543	3819069	2938.45	206.42	16188715	10.0000
Lamotrigine	3.602	328494	509.57	671.30	24772807	10.0000
Levamisole	2.978	2619823	4410.22	300.26	28579814	10.0000
Levetiracetam	2.659	1284347	326.76	275.77	24772807	10.0000
Lorazepam	4.439	636666	∞	∞	27504624	10.0000
Maprotiline	4.430	446171	∞	∞	1130765	10.0000
MDA	3.010	2670842	∞	∞	18865127	10.0000
MDEA	3.223	4325742	6613.33	∞	18865127	10.0000
MDMA	3.085	5379744	564.74	∞	18865127	10.0000
Meperidine	3.603	1865927	∞	∞	3333439	10.0000
Meprobamate	3.668	1093006	6157.79	119.97	10557863	10.0000
Methadone	4.395	2000429	433.74	415.70	2568117	10.0000
Methamphetamine	2.995	4477074	3073.14	∞	18865127	10.0000
Methocarbamol	3.573	575788	142.95	4.49 **Low**	2568117	10.0000
Methylphenidate	3.513	8686309	∞	∞	17412892	10.0000
Metoprolol	3.433	688706	202.02	416.51	3333439	10.0000
Midazolam	4.760	576371	∞	∞	27504624	10.0000
Mirtazapine	3.970	1451034	1158.51	∞	3333439	10.0000
Mitragynine	4.205	92711	32941.87	74693.80	3333439	10.0000
Morphine	2.321	321533	∞	∞	267828	10.0000
Norbuprenorphine	3.822	32269	13003.85	1365.77	1235882	10.0000
Nordiazepam	4.707	1746684	∞	891.90	27504624	10.0000
Norfentanyl	3.313	6930582	9429901.37	∞	31699445	10.0000
Norhydrocodone	2.929	38356	∞	∞	267828	10.0000
Norketamine	3.652	957038	248.10	363.11	16188715	10.0000
Normeperidine	3.590	1290104	1331.30	145.62	24772807	10.0000
Noroxycodone	2.881	1966411	∞	∞	16188715	10.0000
Nortriptyline	4.432	256722	184.21	43.29	1130765	10.0000
O-desmethyl-tramadol	2.915	7964920	185044.71	305.92	24772807	10.0000
Olanzapine	3.812	62629	135.75	18.76	742593	10.0000
Oxazepam	4.521	3325377	∞	343.08	20432832	10.0000
Oxycodone	2.924	3730152	∞	2675.32	16188715	10.0000
Oxymorphone	2.363	1878267	∞	667.40	267828	10.0000
Paroxetine	4.346	47563	∞	9549.23	1029888	10.0000
Phenazepam	4.651	2994464	772305.46	5985.78	27504624	10.0000
Phencyclidine	3.911	2916888	276331.96	533.41	3333439	10.0000
Phentermine	3.148	1367341	∞	∞	17412892	10.0000
Phenytoin	4.141	1260334	10550.92	969.53	742593	10.0000
Promethazine	4.352	1002015	6829.32	58.24	24772807	10.0000
Pseudoephedrine	2.720	53358036	∞	51333.83	18865127	10.0000
Quetiapine	4.497	1698970	88113.53	336913.54	46744444	10.0000
Sertraline	4.565	201731	391.14	84.42	1029888	10.0000
Sufentanil	4.466	38187	∞	13.91	31699445	10.0000
Tapentadol	3.438	4866360	∞	∞	16188715	10.0000
Temazepam	4.673	5178418	2059.17	∞	27504624	10.0000
Tramadol	3.418	9114418	4150.54	26.56	24772807	10.0000
Trazodone	4.650	1702815	380.44	373.37	8403937	10.0000

Cal_TS

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AM #25 Multi-Drug Screen Results

Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
Venlafaxine	3.799	6175751	∞	2923.34	1029888	10.0000
Zaleplon	4.351	2738494	1042659.88	3105.00	46744444	10.0000
Zolpidem	4.335	10534685	231.94	∞	46744444	10.0000
Zopiclone	4.190	592030	1843.81	3823.13	3179192	10.0000

TS

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

Extraction Date: 01/20/2021
Plate lot#: IDP-108-2, 200723
Mobile phase A: 0.1% Formic Acid in LCMS Water
Blank Blood Lot: Lampire 20L20725
LCMS-QQQ ID: 069901

Analyst: Tamara Salazar
Plate Expiration: 01/23/21
Mobile phase B: 0.1% Formic acid in Acetonitrile
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, 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, 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: Curves limited THC-OH 3-100

Did not have enough MTBE of the current in use lot to finish the third wash of 750uL. The third MTBE wash was completed with Acros MTBE lot number A0416223.

The instrument stopped due to a clog while running P2020-3854-2. The clogged was cleared on 01/21/2021. Sample P2020-3854-2 was reconstituted and the run was resumed.

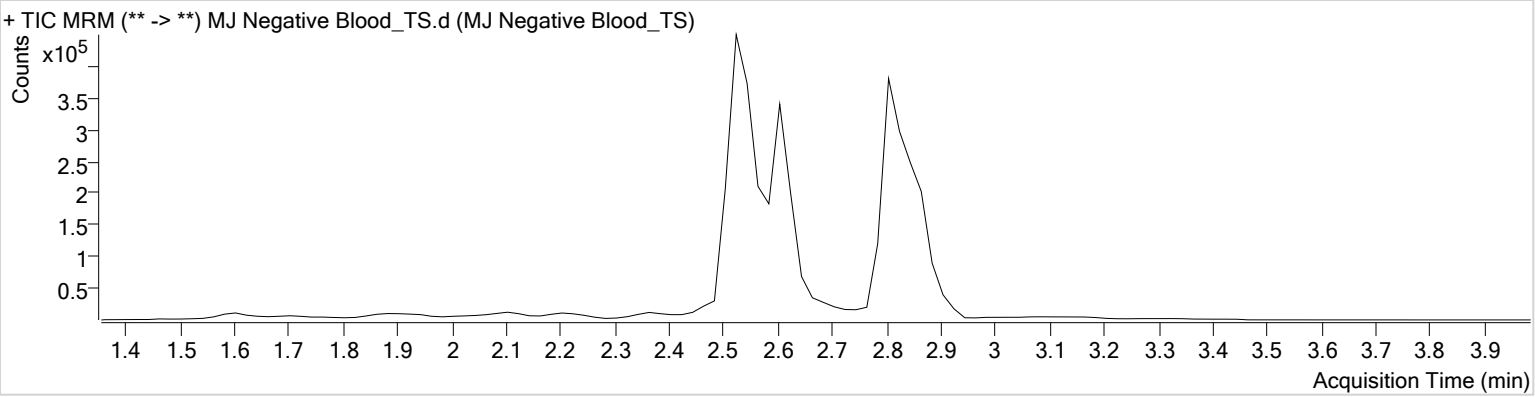
TS

AM #26 Cannabinoids Screen Results

Batch results	D:\MassHunter\Data\2021\AM 27-28\AM 28 P1 012021 CS\QuantResults\AM 26_TS.batch.bin
Calibration Last Update	1/21/2021 3:46:17 PM

Instrument	Instrument 1	**Data File**	MJ Negative Blood_TS.d
Type	Sample	**Sample**	MJ Negative Blood_TS
Acq. Method	AM 26 THCS.m	**Operator**	Tamara Salazar
Sample Position	P1-A2	**Comment**	
Injection Volume	10		
Acq. Date-Time	1/21/2021 12:05:42 AM		
Sample Info.			

Sample Chromatogram



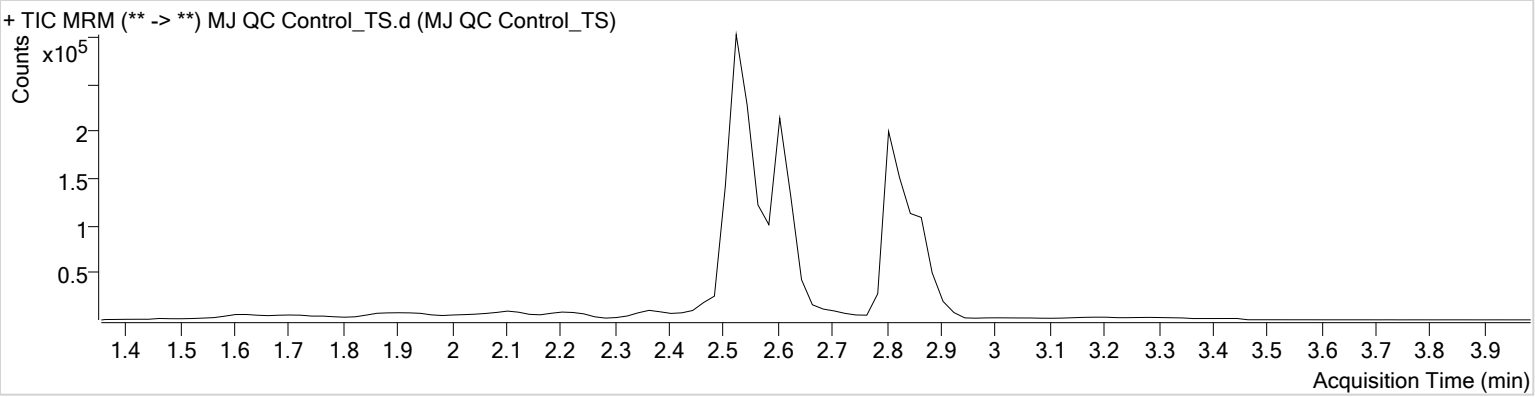
TS

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2021\AM 27-28\AM 28 P1 012021 CS\QuantResults\AM 26_TS.batch.bin
Calibration Last Update 1/21/2021 3:46:17 PM

Instrument	Instrument 1	**Data File**	MJ QC Control_TS.d
Type	Sample	**Sample**	MJ QC Control_TS
Acq. Method	AM 26 THCS.m	**Operator**	Tamara Salazar
Sample Position	P1-H1	**Comment**	
Injection Volume	10		
Acq. Date-Time	1/20/2021 11:52:36 PM		
Sample Info.			

Sample Chromatogram

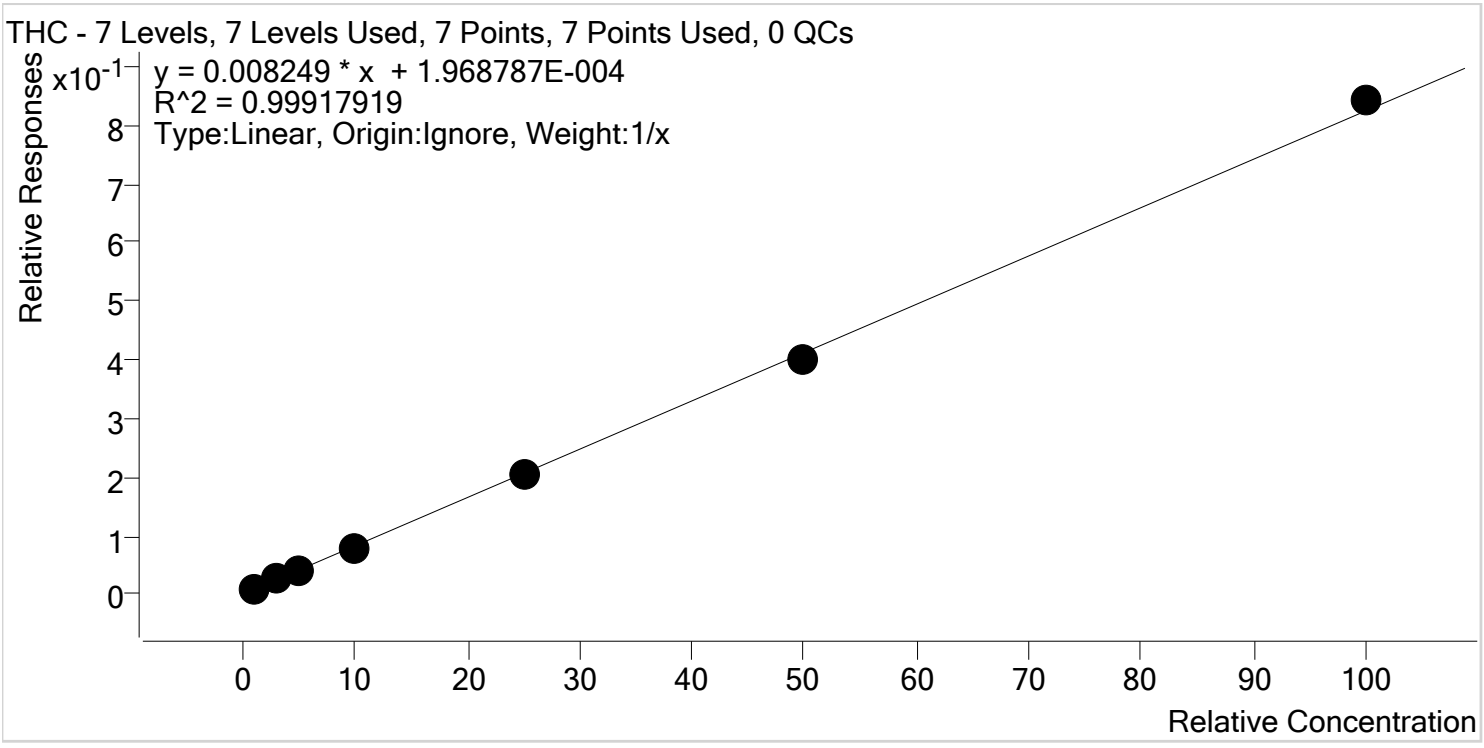


Name	RT	Resp.	ISTD Resp.	Final Conc.	
THC	2.879	2064	49999	4.9808	ng/ml
THC-COOH	2.605	99287	330863	15.4905	ng/ml
THC-OH	2.532	106282	906941	5.3614	ng/ml

TS

AM #26 Cannabinoids Screen Calibration Curve Report

Batch results	D:\MassHunter\Data\2021\AM 27-28\AM 28 P1 012021 CS\QuantResults\AM 26_TS.batch.bin
Last Cal. Update	1/21/2021 3:46 PM
Analyst Name	ISP\datastor
Analyte	THC
Internal Standard	THC-D3

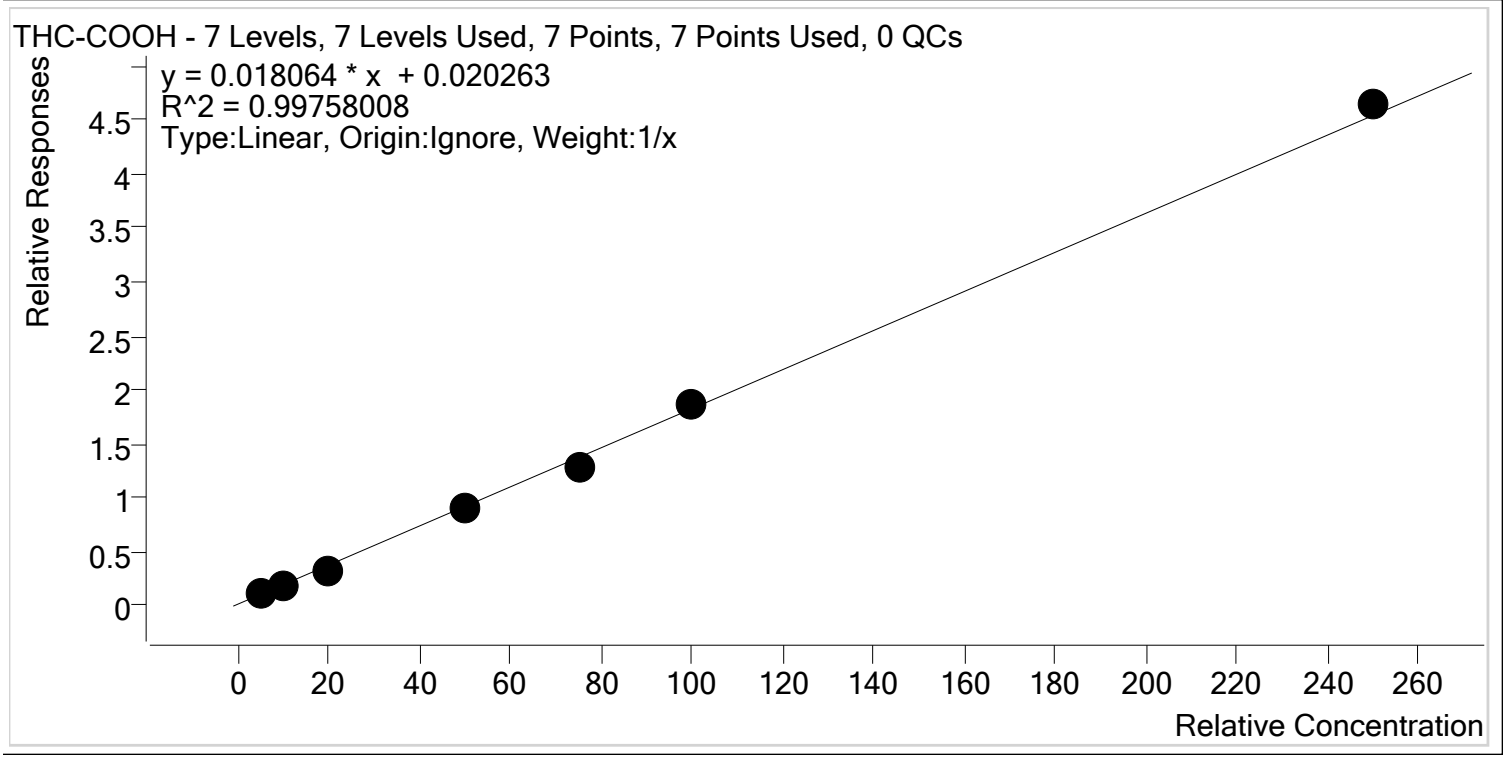


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
MJ Cal 1_TS	1	✔	1.0	1.1	113.0
MJ Cal 2_TS	2	✔	3.0	3.0	98.8
MJ Cal 3_TS	3	✔	5.0	4.7	93.6
MJ Cal 4_TS	4	✔	10.0	9.6	95.7
MJ Cal 5_TS	5	✔	25.0	24.9	99.4
MJ Cal 6_TS	6	✔	50.0	48.7	97.4
MJ Cal 7_TS	7	✔	100.0	102.1	102.1

TS

AM #26 Cannabinoids Screen Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\AM 28 P1 012021 CS\QuantResults\AM 26_TS.batch.bin
Last Cal. Update 1/21/2021 3:46 PM
Analyst Name ISP\datastor
Analyte THC-COOH **Internal Standard** THC-COOH-D9

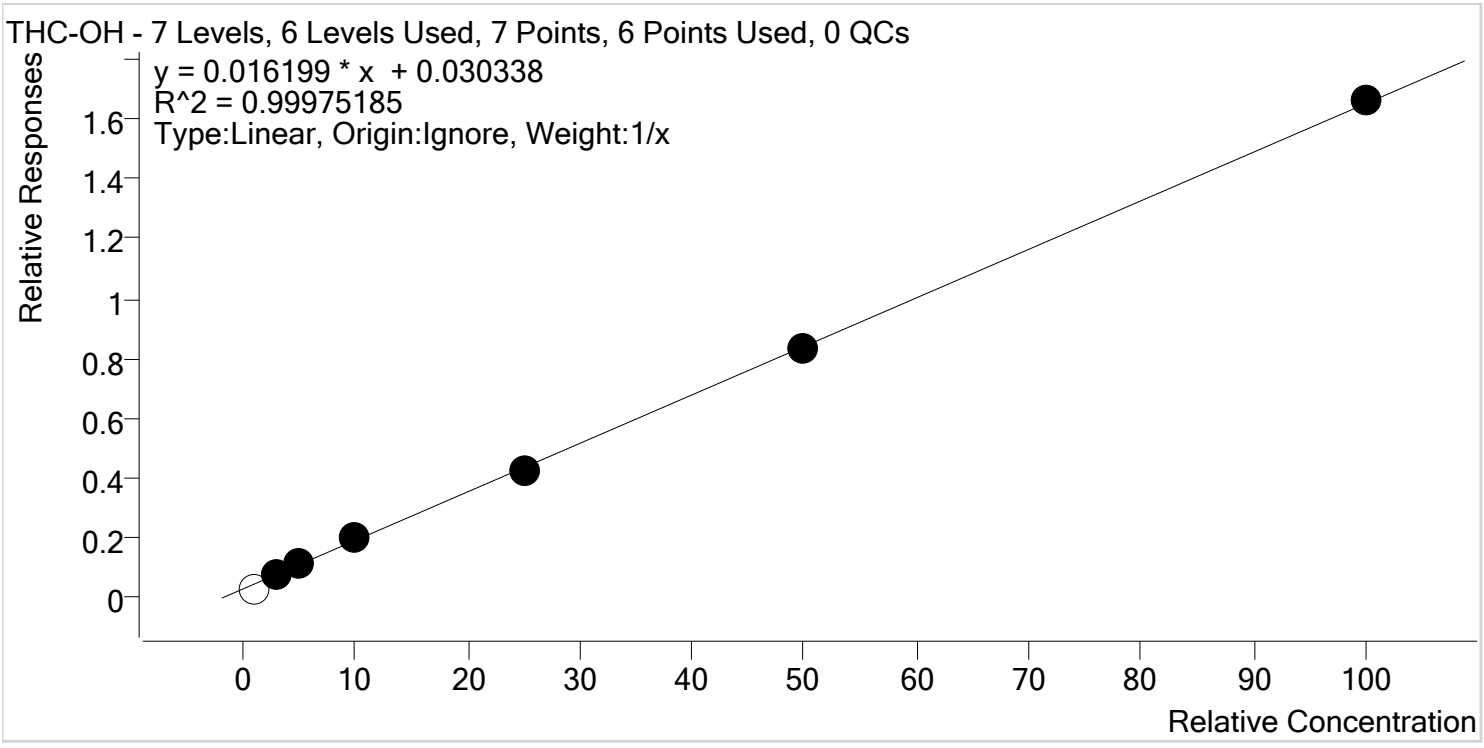


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
MJ Cal 1_TS	1	✔	5.0	5.8	115.3
MJ Cal 2_TS	2	✔	10.0	10.1	101.4
MJ Cal 3_TS	3	✔	20.0	17.5	87.5
MJ Cal 4_TS	4	✔	50.0	49.2	98.3
MJ Cal 5_TS	5	✔	75.0	70.0	93.3
MJ Cal 6_TS	6	✔	100.0	101.9	101.9
MJ Cal 7_TS	7	✔	250.0	255.5	102.2

TS

AM #26 Cannabinoids Screen Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\AM 28 P1 012021 CS\QuantResults\AM 26_TS.batch.bin
Last Cal. Update 1/21/2021 3:46 PM
Analyst Name ISP\datastor
Analyte THC-OH **Internal Standard** THC-OH-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
MJ Cal 1_TS	1	✗	1.0	0.1	7.2
MJ Cal 2_TS	2	✔	3.0	3.0	99.6
MJ Cal 3_TS	3	✔	5.0	4.9	98.8
MJ Cal 4_TS	4	✔	10.0	10.4	103.9
MJ Cal 5_TS	5	✔	25.0	24.4	97.7
MJ Cal 6_TS	6	✔	50.0	49.7	99.3
MJ Cal 7_TS	7	✔	100.0	100.6	100.6

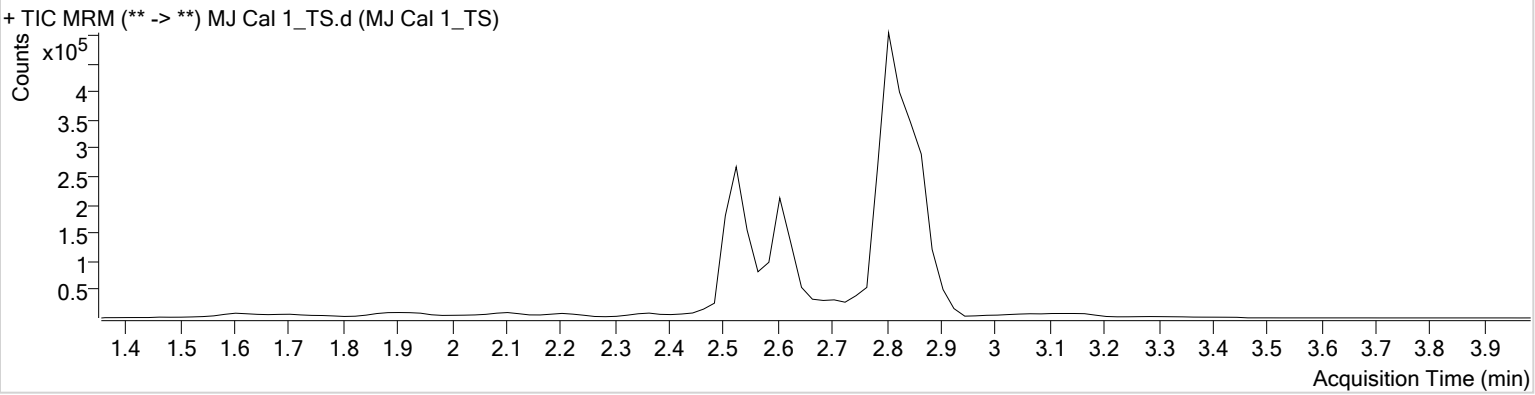
TS

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2021\AM 27-28\AM 28 P1 012021 CS\QuantResults\AM 26_TS.batch.bin
Calibration Last Update 1/21/2021 3:46:17 PM

Instrument	Instrument 1	**Data File**	MJ Cal 1_TS.d
Type	Cal	**Sample**	MJ Cal 1_TS
Acq. Method	AM 26 THCS.m	**Operator**	Tamara Salazar
Sample Position	P1-A1	**Comment**	
Injection Volume	10		
Acq. Date-Time	1/20/2021 11:06:46 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.		
THC	2.879	1433	150496	1.1304	ng/ml	**Low**
THC-COOH	2.605	53009	426068	5.7657	ng/ml	

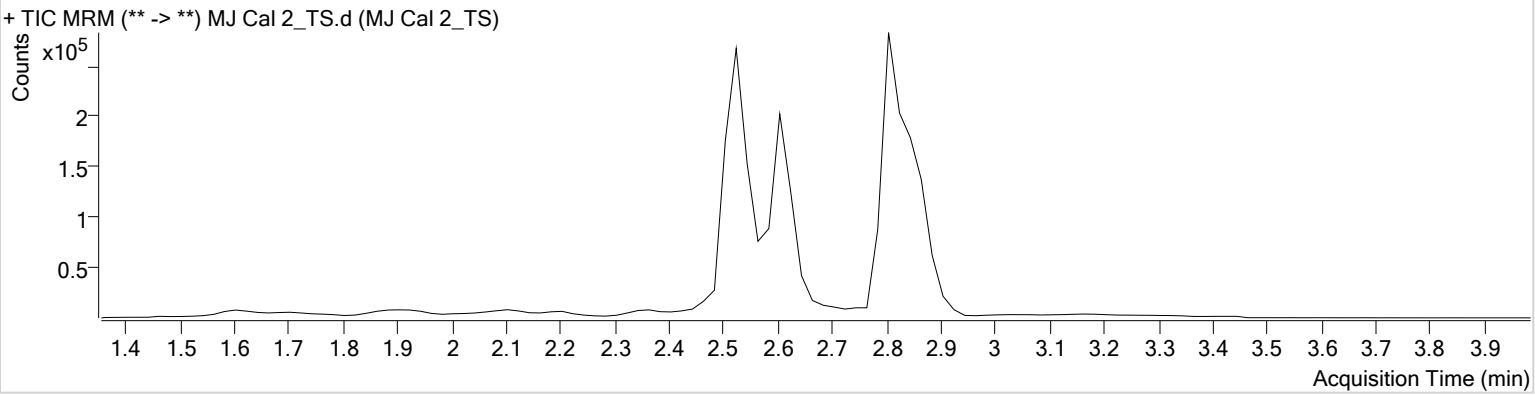
TS

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2021\AM 27-28\AM 28 P1 012021 CS\QuantResults\AM 26_TS.batch.bin
Calibration Last Update 1/21/2021 3:46:17 PM

Instrument	Instrument 1	**Data File**	MJ Cal 2_TS.d
Type	Cal	**Sample**	MJ Cal 2_TS
Acq. Method	AM 26 THCS.m	**Operator**	Tamara Salazar
Sample Position	P1-B1	**Comment**	
Injection Volume	10		
Acq. Date-Time	1/20/2021 11:13:28 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.		
THC	2.879	1787	72529	2.9632	ng/ml	**Low**
THC-COOH	2.605	72865	358162	10.1404	ng/ml	
THC-OH	2.532	62550	794203	2.9891	ng/ml	**Low**

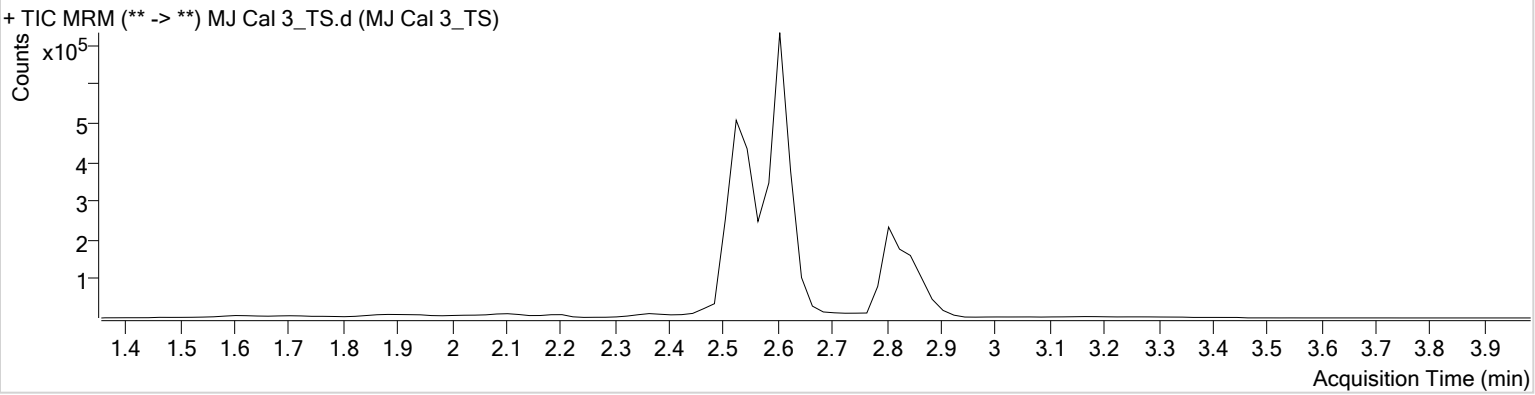
TS

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2021\AM 27-28\AM 28 P1 012021 CS\QuantResults\AM 26_TS.batch.bin
Calibration Last Update 1/21/2021 3:46:17 PM

Instrument	Instrument 1	**Data File**	MJ Cal 3_TS.d
Type	Cal	**Sample**	MJ Cal 3_TS
Acq. Method	AM 26 THCS.m	**Operator**	Tamara Salazar
Sample Position	P1-C1	**Comment**	
Injection Volume	10		
Acq. Date-Time	1/20/2021 11:19:59 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.	
THC	2.879	2229	57456	4.6790	ng/ml
THC-COOH	2.605	368895	1096212	17.5073	ng/ml
THC-OH	2.532	183830	1665313	4.9416	ng/ml

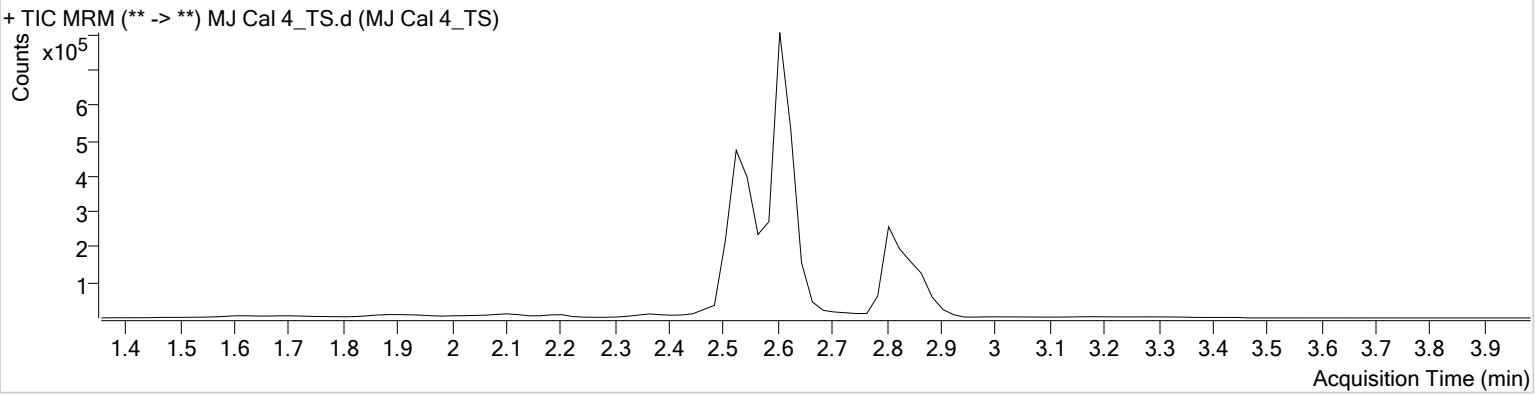
TS

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2021\AM 27-28\AM 28 P1 012021 CS\QuantResults\AM 26_TS.batch.bin
Calibration Last Update 1/21/2021 3:46:17 PM

Instrument	Instrument 1	**Data File**	MJ Cal 4_TS.d
Type	Cal	**Sample**	MJ Cal 4_TS
Acq. Method	AM 26 THCS.m	**Operator**	Tamara Salazar
Sample Position	P1-D1	**Comment**	
Injection Volume	10		
Acq. Date-Time	1/20/2021 11:26:30 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.	
THC	2.879	5249	66350	9.5664	ng/ml
THC-COOH	2.605	715824	788174	49.1549	ng/ml
THC-OH	2.532	285331	1436093	10.3923	ng/ml

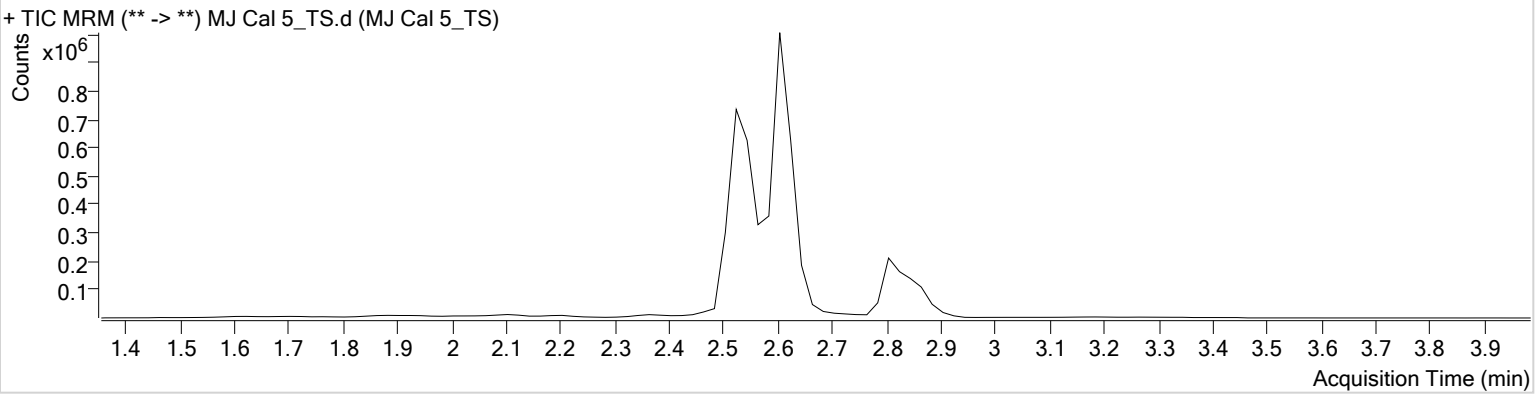
TS

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2021\AM 27-28\AM 28 P1 012021 CS\QuantResults\AM 26_TS.batch.bin
Calibration Last Update 1/21/2021 3:46:17 PM

Instrument	Instrument 1	**Data File**	MJ Cal 5_TS.d
Type	Cal	**Sample**	MJ Cal 5_TS
Acq. Method	AM 26 THCS.m	**Operator**	Tamara Salazar
Sample Position	P1-E1	**Comment**	
Injection Volume	10		
Acq. Date-Time	1/20/2021 11:33:01 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.	
THC	2.879	11154	54339	24.8600	ng/ml
THC-COOH	2.605	1010062	786314	69.9888	ng/ml
THC-OH	2.532	739067	1734966	24.4237	ng/ml

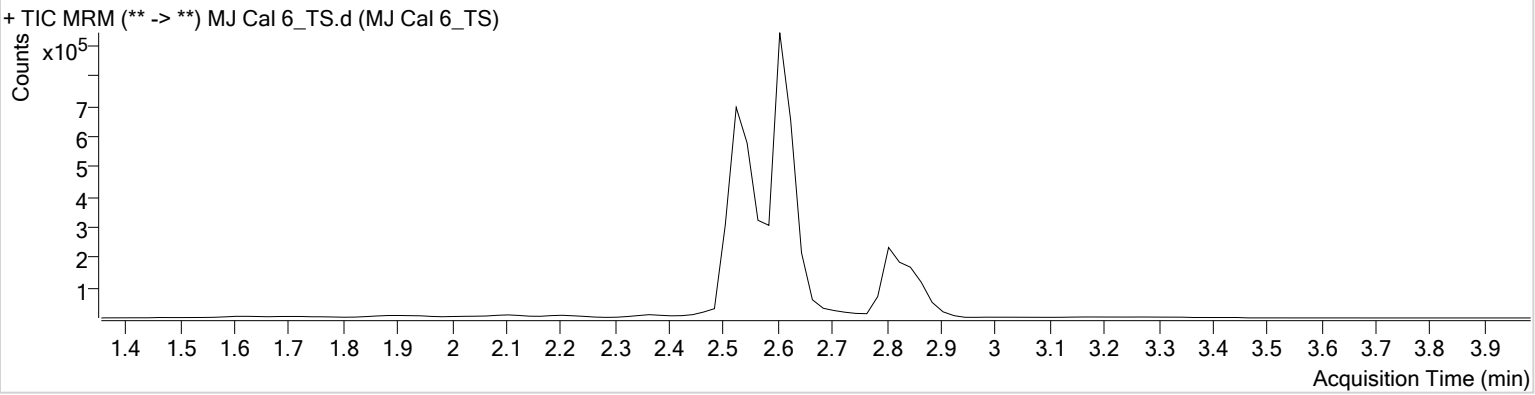
TS

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2021\AM 27-28\AM 28 P1 012021 CS\QuantResults\AM 26_TS.batch.bin
Calibration Last Update 1/21/2021 3:46:17 PM

Instrument	Instrument 1	**Data File**	MJ Cal 6_TS.d
Type	Cal	**Sample**	MJ Cal 6_TS
Acq. Method	AM 26 THCS.m	**Operator**	Tamara Salazar
Sample Position	P1-F1	**Comment**	
Injection Volume	10		
Acq. Date-Time	1/20/2021 11:39:32 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.	
THC	2.879	24733	61539	48.6984	ng/ml
THC-COOH	2.605	1083533	582224	101.9012	ng/ml
THC-OH	2.532	1072083	1284223	49.6611	ng/ml

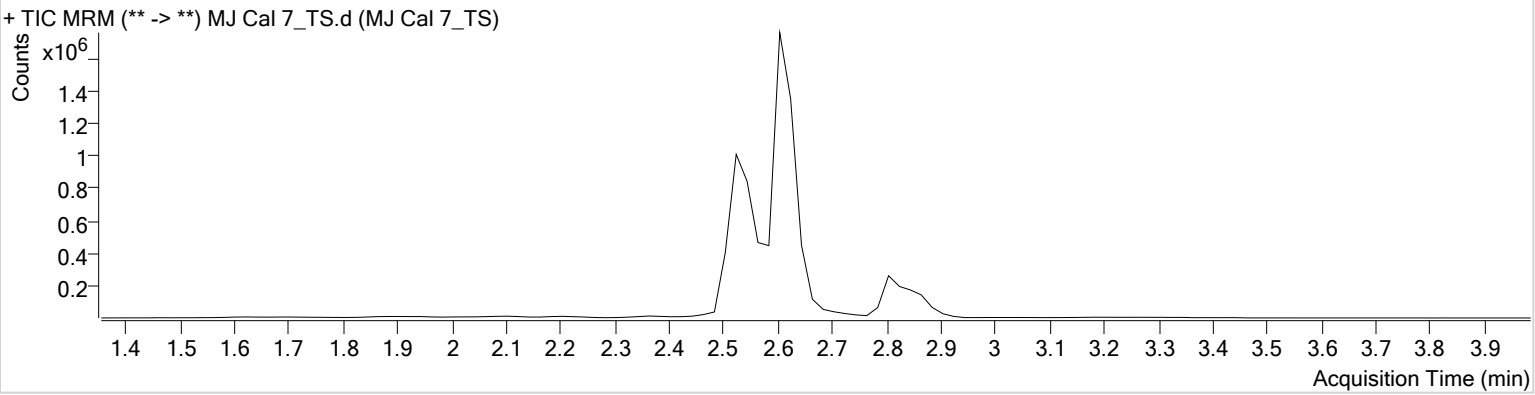
TS

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2021\AM 27-28\AM 28 P1 012021 CS\QuantResults\AM 26_TS.batch.bin
Calibration Last Update 1/21/2021 3:46:17 PM

Instrument	Instrument 1	**Data File**	MJ Cal 7_TS.d
Type	Cal	**Sample**	MJ Cal 7_TS
Acq. Method	AM 26 THCS.m	**Operator**	Tamara Salazar
Sample Position	P1-G1	**Comment**	
Injection Volume	10		
Acq. Date-Time	1/20/2021 11:46:05 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.	
THC	2.879	48939	58091	102.1025	ng/ml
THC-COOH	2.605	2483405	535631	255.5417	ng/ml
THC-OH	2.532	2071668	1248101	100.5922	ng/ml