REVIEWED
By Anne Nord at 10:44 am, May 17, 2021

5/13/2021

Worklist: 4974

LAB_CASE	ITEM	ITEM_TYPE	DESCRIPTION
C2021-1011	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
C2021-1011	2	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
C2021-1011	3	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
C2021-1027	4	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
C2021-1030	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
C2021-1032	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
C2021-1070	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
C2021-1071	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
C2021-1073	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
C2021-1081	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
C2021-1106	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
C2021-1121	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ

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

Extraction Date: 5/12/2021 Analyst: Britany Wylie
Plate lot#: 201206 Plate Expiration: 6/6/2021

Mobile phase A: 10mM Amm Form
0.5M Ammonium Hydroxide
Blank Blood Lot: 20K20702
LCMS-QQQ ID: 69679

Mobile phase B: 0.1% Formic Acid in MeOH
Ethyl Acetate LC Methanol
Column: Phenomenex Phenyl Hexyl (4.6x50mm, 2.6um)

Pre-Analytic:

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

Analytic:

☒ 1. Remove standards, plate, controls, and samples from cold storage. Allow to reach room temperature.
☒ 2. Urine hydrolysis pipette: 250 ul urine in blank well, add 40 ul BG Turbo, add 100 ul 500 mm sodium phosphate buffer mix for at least five minutes ambient temperature.
Pipette **250 µL blood (calibrated pipette)** or 250 ul urine in wells of analytical (standards) plate. **Pipette ID: 1926134**
☒ 3. Place on shaking incubator at ambient temp., 900 rpm for 15 minutes.
☒ 4. Pipette **250 µL of 0.5 M ammonium hydroxide** in wells of analytical plate.
☒ 5. Place on shaking incubator at ambient temp., 900 rpm for 15 minutes.
☒ 6. Transfer **300 µL of blood or urine+base** mixture to corresponding wells of SLE+ plate.
☒ 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) *Manifold ID: 66792*
☒ 8. Wait 5 minutes.
☒ 9. Add **900 µL ethyl acetate.**
☒ 10. Wait 5 minutes.
☒ 11. Apply positive pressure for approx. 10-15 seconds. ***(12-15 PSI- Selector to the left).***
☒ 12. Add **900 µL ethyl acetate.**
☒ 13. Wait 5 minutes.
☒ 14. Apply positive pressure for approx. 10-15 seconds. ***(12-15 PSI- Selector to the left).***
☒ 15. Remove plate containing eluate. **Urine samples add 50ul 1% HCl in MeOH** Place on SPE Dry and evaporate to dryness at approx. 35°C.
SPE Dry ID: 66819
☒ 16. Reconstitute in **100 µL 20% LC MeOH** in LC Water 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 5 or greater or 2-5 for discretionary range.
☒ 4. Did all QCs pass for each analyte? (If no is it described in comments?)
☒ 5. Central File Packet to include: LIMS Worklist, Method Checklist, Calibration and Control Reports

COMMENTS: *blood only batch*

AM 25

5/12/21 WORKLIST

	1	2	3	4	5	6	7	8	9	10	11	12
A				**1032-1 (A6)**	**1011-2 (A7)**							
B	**IS + Cal. 1 (B5)**			**1071-1 (B6)**	**1011-3 (B7)**							
C				**1073-1 (C6)**	**pc (E5)**							
D	**neg (D5)**			**1081-1 (D6)**								
E				**1070-1 (E6)**								
F				**1106-1 (F6)**								
G			**1027-4 (G7)**	**1121-1 (G6)**								IS + Cal. 1
H			**1030-1 (H7)**	**1011-1 (H6)**								IS + Cal. 1

All wells to contain 60 µl of residual DMSO

Case #: C2021-___-

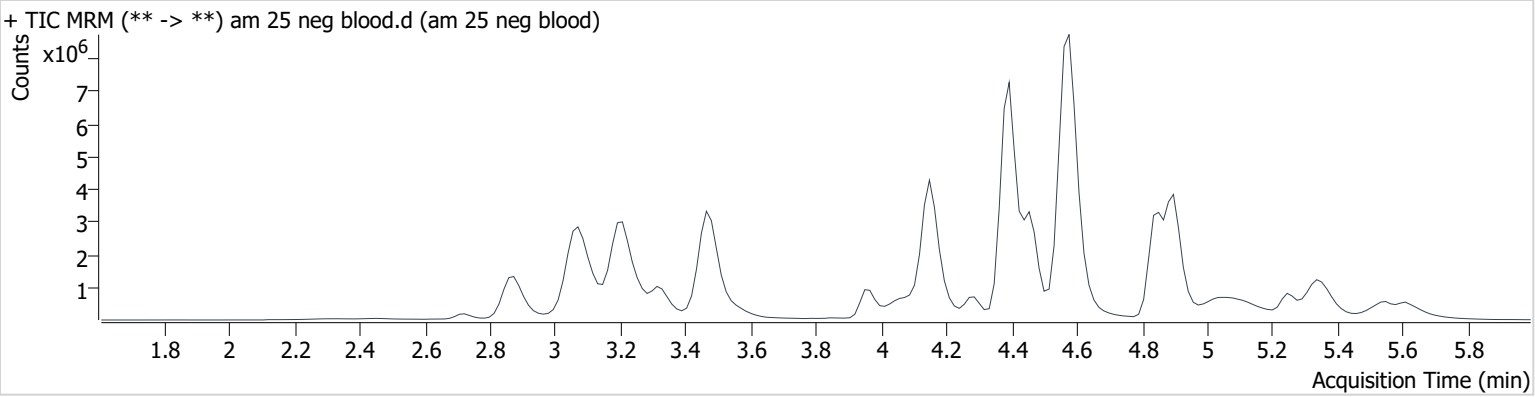
(SLE PLATE POSITION)

AM #25 Multi-Drug Screen Results

Batch results	D:\MassHunter\Data\2021\am 25-26\051221\QuantResults\mds.batch.bin
Calibration Last Update	5/12/2021 9:45:02 PM

Instrument	69679	**Data File**	am 25 neg blood.d
Type	Sample	**Sample**	am 25 neg blood
Acq. Method	mds 826.m	**Operator**	Britany Wylie
Sample Position	P1-D5	**Comment**	
Injection Volume	2.5		
Acq. Date-Time	5/12/2021 2:22:22 PM		
Sample Info.			

Sample Chromatogram

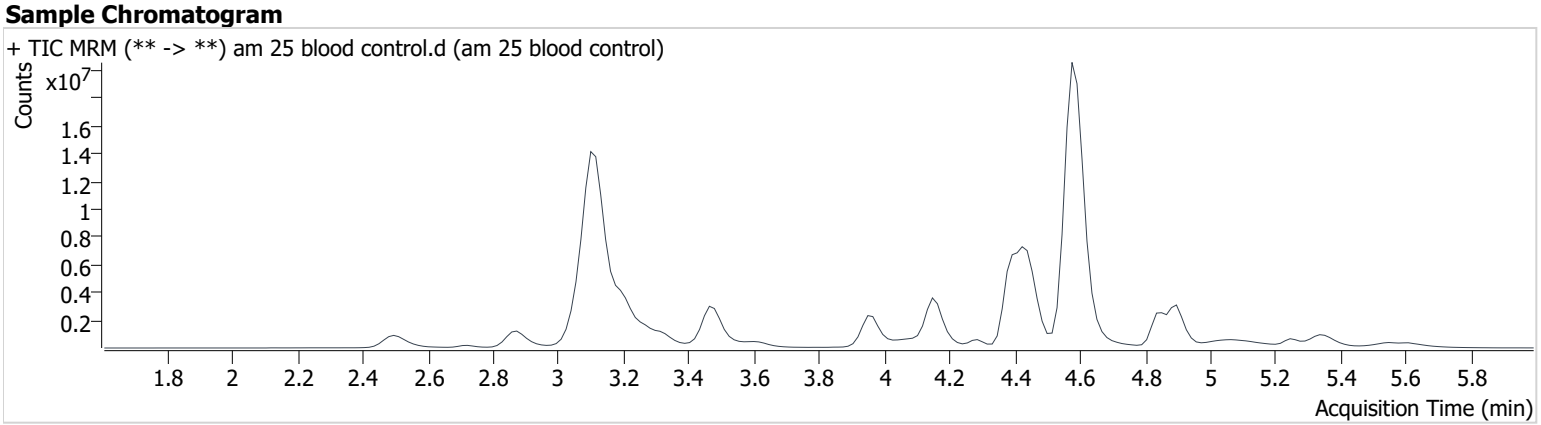


AM #25 Multi-Drug Screen Results

Batch results D:\MassHunter\Data\2021\am 25-26\051221\QuantResults\mds.batch.bin
Calibration Last Update 5/12/2021 9:45:02 PM

Instrument	69679	**Data File**	am 25 blood control.d
Type	Sample	**Sample**	am 25 blood control
Acq. Method	mds 826.m	**Operator**	Britany Wylie
Sample Position	P1-E5	**Comment**	
Injection Volume	2.5		
Acq. Date-Time	5/12/2021 2:29:04 PM		
Sample Info.			

Sample Chromatogram



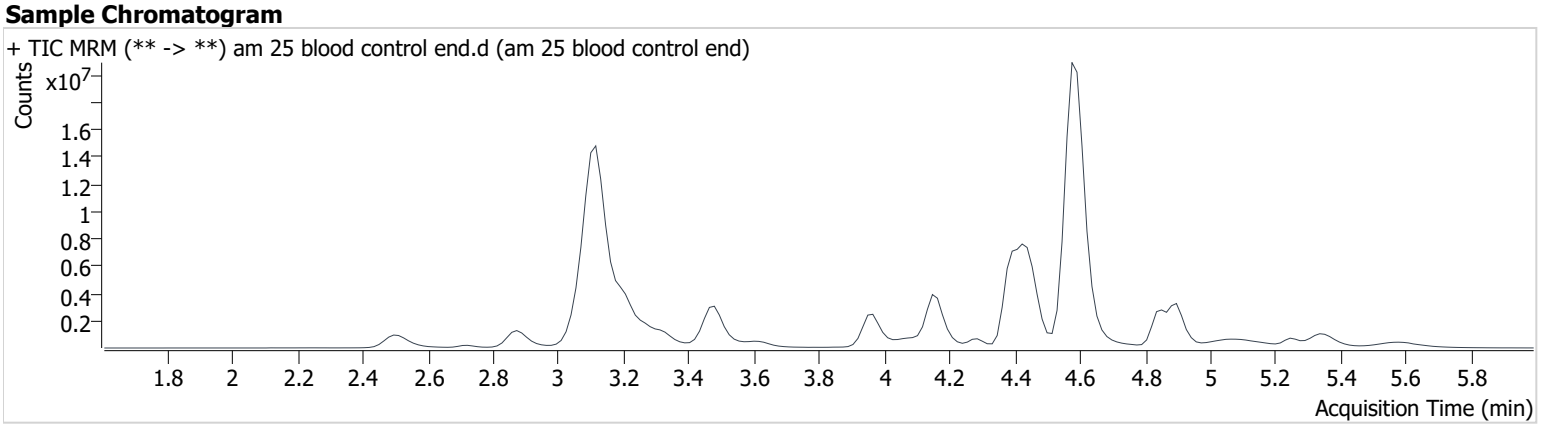
Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
Alprazolam	4.428	7684806	1222.0	2982.5	5607673	101.137
Diphenhydramine	4.602	44343921	680.8	450979.2	30072976	97.700
Methamphetamine	3.127	31572635	9697.6	5183.1	11518782	81.086
Methocarbamol	3.273	1046215	1930.6	1719.4	1256571	80.936
Methylphenidate	3.961	5613419	9159.7	278.8	9038384	14.795
Morphine	2.500	1486755	∞	2868.0	100294	122.633

AM #25 Multi-Drug Screen Results

Batch results D:\MassHunter\Data\2021\am 25-26\051221\QuantResults\mds.batch.bin
Calibration Last Update 5/12/2021 9:45:02 PM

Instrument	69679	**Data File**	am 25 blood control end.d
Type	Sample	**Sample**	am 25 blood control end
Acq. Method	mds 826.m	**Operator**	Britany Wylie
Sample Position	P1-E5	**Comment**	
Injection Volume	2.5		
Acq. Date-Time	5/12/2021 3:56:12 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
Alprazolam	4.428	7914829	1478.5	1090.6	6262782	93.268
Diphenhydramine	4.602	45550768	1778.7	942.2	31018675	97.299
Methamphetamine	3.127	32433091	∞	11137.8	12402540	77.360
Methocarbamol	3.273	1094172	1726.4	641.7	1359275	78.250
Methylphenidate	3.976	5925076	2085.0	258.1	9555957	14.771
Morphine	2.500	1683227	4848.6	3107.6	108244	128.642

Toxicology AM method 25/28 urine external control prep

working solution 10000 ng/ml in meoh diphendydramine, methamphetamine, alprazolam, methocarbamol, methylphenidate, morphine

Stock solution 1mg/ml 50 ul each in 4700 ul MeOH (Honeywell EA078-US)

ppd 4/14/21: Exp: 4/14/2022 lot 41422 by AMN

Drug	lot	expiration
Methamphetamine	FE03132001	7/1/2025
methocarbamol	FN01212005	1/1/2023
alprazolam	FE06102008	6/1/2025
Diphendydramine	FN02212011	3/1/2025
Methylphenidate	FE01212007	2/1/2025
Morphine	FE03232010	4/1/2025

AM 25/28 control 500 ul working solution (41422) in 4500 ul negative urine (1000ng/mL Expected concentration)

ppd 4/14/22, exp 4/14/22 lot u41422 negative urine 2121 by AMN

AM 25/28 Blood Control: 50ul working solution (41422) in 4950 ul neg blood (100ng/mL Expected concentration)

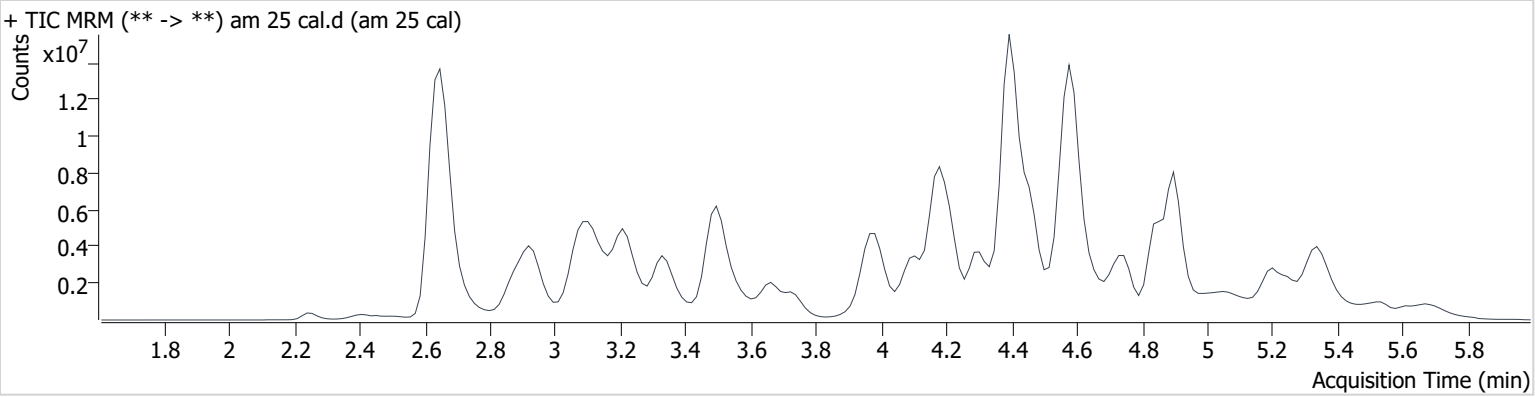
ppp 4/14/21, exp 4/14/22 lot b41422 neg blood 20J20793 by AMN

AM #25 Multi-Drug Screen Results

Batch results D:\MassHunter\Data\2021\am 25-26\051221\QuantResults\mds.batch.bin
Calibration Last Update 5/12/2021 9:45:02 PM

Instrument	69679	**Data File**	am 25 cal.d
Type	Cal	**Sample**	am 25 cal
Acq. Method	mds 826.m	**Operator**	Britany Wylie
Sample Position	P1-B5	**Comment**	
Injection Volume	2.5		
Acq. Date-Time	5/12/2021 2:15:40 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
6-MAM	3.629	42516	23175.2	59.0	1328472	10.000
7-aminoclonazepam	3.331	696188	4864.8	1109.4	2895963	10.000
7-aminoflunitrazepam	3.558	1037797	4825.4	407.0	2895963	10.000
Acetyl Fentanyl	4.686	307130	118.3	38503.4	20089822	10.000
Acetyl Norfentanyl	2.941	216004	∞	377.0	20089822	10.000
a-hydroxyalprazolam	4.302	175437	353.3	58316.9	2895963	10.000
alpha-hydroxymidazolam	4.409	1875632	284.2	618.4	2895963	10.000
alpha-PHP	4.527	2377557	1925.5	1152.9	8166515	10.000
alpha-PVP	4.313	2885903	1374.6	629.0	8166515	10.000
Alprazolam	4.428	1193380	578.6	768.4	8807232	10.000
Amitriptyline	5.330	1350318	90.4	71.9	7113779	10.000
Amphetamine	2.931	3198377	885.6	657.8	8166515	10.000
Benzoylecgonine	3.072	109658	902.2	42.6	206561	10.000
Brompheniramine	4.763	92925	48.1	9.9	46880184	10.000
Buprenorphine	5.258	547359	1830.5	69193.0	2686214	10.000
Bupropion	4.419	2873597	2046.5	754.2	12711361	10.000
Carbamazepine	3.991	4237879	3856.5	1017.5	86343	10.000
Carisoprodol	3.973	668120	538.7	333.3	3963840	10.000
Chlordiazepoxide	4.538	645439	688.0	205.9	8807232	10.000
Chlorpheniramine	4.616	4803093	11030.9	7.8	46880184	10.000
Citalopram	4.655	2203918	220.2	428.2	46880184	10.000
Clomimpramine	5.687	1832372	4343.1	1866.6	46880184	10.000
Clonazepam	4.242	452393	595.0	899.1	8807232	10.000
Clonazolam	4.162	420518	4811.0	96911.7	8807232	10.000
Cocaethylene	4.365	3181725	10888.9	629.2	46880184	10.000
Cocaine	4.213	3713774	15609.6	769.7	23156700	10.000
Codeine	3.586	323346	398.7	346.9	170224	10.000
Cyclobenzaprine	5.194	2847223	5971.5	73.6	7113779	10.000
Desipramine	4.724	191011	132.4	12.7	7113779	10.000
Dextromethorphan	5.089	2299496	5780.2	1791.6	11670051	10.000
Dextrorphan	3.943	1662086	1420.7	1166.9	11670051	10.000
Diazepam	4.676	786513	576.7	900.7	8807232	10.000
Dihydrocodeine	3.176	749202	184.2	125.0	1366392	10.000
Diphenhydramine	4.602	7075438	∞	856.4	46880184	10.000

AM #25 Multi-Drug Screen Results

Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
Doxepin	4.996	1695348	207.2	51.0	15152131	10.000
Doxylamine	4.095	6109788	2861.7	6169.1	11670051	10.000
EDDP	4.462	612134	765.6	177.6	1366392	10.000
Estazolam	4.338	2270134	582.2	370.8	8807232	10.000
Etizolam	4.470	98640	46331.0	8499.3	8807232	10.000
Fentanyl	4.853	212967	88.6	351.5	14350488	10.000
Flualprazolam	4.301	515948	155.7	3797.5	8807232	10.000
Flunitrazepam	4.366	1339818	1686.6	583.6	8807232	10.000
Fluoxetine	4.764	1382758	950.7	100.6	1473895	10.000
Flurazepam	4.820	2461549	925.4	2787.1	8807232	10.000
Hydrocodone	4.137	984220	133.9	56.4	6311232	10.000
Hydromorphone	2.952	783789	929.3	85.9	170224	10.000
Imipramine	5.343	5946813	882.2	∞	7113779	10.000
Ketamine	4.235	2187746	972.1	119.4	14413062	10.000
Lamotrigine	3.409	189242	256.5	1966.7	46880184	10.000
Levamisole	3.658	1892675	606.5	212.2	11670051	10.000
Levetireacetam	2.247	490422	1133.9	1032.4	46880184	10.000
Lorazepam	4.225	79832	430.5	54.1	8807232	10.000
Maprotiline	5.330	811253	39.3	2577.1	7113779	10.000
MDA	3.156	2354961	420.2	189.2	19463813	10.000
MDEA	3.520	2939898	1088.2	∞	19463813	10.000
MDMA	3.337	3256430	2352.0	676.2	19463813	10.000
Meperidine	4.311	1967821	192.1	393.8	11670051	10.000
Meprobamate	3.366	229996	∞	25.2	3963840	10.000
Methadone	4.901	4948385	4341.4	1416.9	1366392	10.000
Methamphetamine	3.127	6579403	270.1	142.5	19463813	10.000
Methocarbamol	3.273	140562	257.6	521.7	1366392	10.000
Methylphenidate	3.991	6050111	506.8	307.4	14413062	10.000
Metoprolol	3.666	479585	274.8	1938.1	11670051	10.000
Midazolam	4.624	385579	152608.9	154760.1	8807232	10.000
Mirtazapine	4.724	2359819	701861.8	1533.0	11670051	10.000
Mitragynine	4.864	315803	6471.2	461325.6	11670051	10.000
Morphine	2.515	205768	70.8	672.1	170224	10.000
Norbuprenorphine	4.544	55286	59.0	30442.1	2686214	10.000
Nordiazepam	4.509	662052	856.0	1794.2	8807232	10.000
Norfentanyl	3.518	3715915	1483.3	312.6	20089822	10.000
Norhydrocodone	3.315	51257	21.5	18.6	6311232	10.000
norketamine	4.023	399732	481.6	6598.5	14413062	10.000
Normeperidine	3.961	2056493	210.7	1361.0	46880184	10.000
Noroxycodone	3.085	808506	84.2	68.4	8157312	10.000
Nortriptyline	5.529	638574	86.1	37.9	7113779	10.000
O-desmethyl-tramadol	2.940	4454049	50270.3	173.3	46880184	10.000
Olanzapine	4.581	624294	1396.3	259.5	86343	10.000
Oxazepam	4.292	501491	285.2	80.7	2225045	10.000
Oxycodone	3.372	1666188	115.4	50.8	8157312	10.000
Oxymorphone	2.404	1142425	3255.0	10063.9	170224	10.000
Paroxetine	5.775	18363	13.3	4.0 **Low**	1473895	10.000
Phenazepam	4.454	1040728	561411.4	377470.6	8807232	10.000
Phencyclidine	4.404	3392240	12972.1	158.4	11670051	10.000
Phentermine	3.248	41880	28.3	62.1	14413062	10.000
Phenytoin	3.882	142158	204.4	177.8	86343	10.000
Promethazine	5.206	6516895	6305.7	389.2	46880184	10.000
Pseudoephedrine	2.657	57808970	816.9	367.5	19463813	10.000
Quetiapine	4.744	3558827	1050.6	2906228.6	21270641	10.000
Sertraline	5.535	589749	202952.3	419.2	1473895	10.000
Sufentanil	5.064	196211	183859.2	301.0	20089822	10.000
Tapentadol	3.672	3295041	393.1	374.8	1366392	10.000
Temazepam	4.476	1621678	384.8	140.4	8807232	10.000
Tramadol	3.727	4816702	566.3	27.7	46880184	10.000
Trazodone	4.913	2890254	26109.8	1182.2	15152131	10.000

am 25 cal

AM #25 Multi-Drug Screen Results

Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
Venlafaxine	4.200	4136628	508.9	126.9	1473895	10.000
Zaleplon	4.152	772608	475.7	470.0	21270641	10.000
Zolpidem	4.413	4842050	892.7	1150.5	21270641	10.000
Zopiclone	4.452	442699	928.1	632.2	2184101	10.000

AM# 26: THC and Metabolites Screen in Blood by LC-MS/MS BWylie

Extraction Date: 5/12/2021 Analyst: Britany Wylie
Plate lot#: 210412 Plate Expiration: 10-12-2021

Mobile phase A: 10mM Ammonium Formate **Mobile phase B:** 0.1% Formic acid in MeOH
0.1% Formic Acid in Water MTBE Hexane
1N KOH Saturated Phosphate Buffer
Blank Blood Lot: 20K20702
Column: Phenomenex Phenyl Hexyl (4.6x50mm: 2.6 um) **LCMS-QQQ ID**: 69679

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 1.5 ml urine to blank plate, add 250 ul 1N KOH mix and incubate at 40 degrees for 15 minutes.
Pipette **1000 µL blood (calibrated pipette)** in wells of analytical (standards) plate. **Pipette ID: K52558g**
Pipette 1000 ul urine to analytical (standards) plate.
☒ 3. Place on shaking incubator at ambient temp., 900 rpm for 15 minutes.
☒ 4. Pipette **500 µL 0.1% formic acid in blood** wells **500 ul saturated phosphate buffer in urine** wells of analytical plate.
☒ 5. Place on shaking incubator at ambient temp., 900 rpm for 15 minutes.
☒ 6. Transfer **800 µL of blood acid or urine acid** mixture to corresponding wells of SLE+ plate.
☒ 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) Manifold ID: 66792
☒ 8. Wait 5 minutes.
☒ 9. Add **2.25 mL MTBE** (add in 3 increments of 750 µL).
☒ 10. Wait 5 minutes.
☒ 11. Apply positive pressure for approx. 10-15 seconds. ***(12-15 PSI- Selector to the left).***
☒ 12. Add **2.25 mL hexane** (add in 3 increments of 750 µL).
☒ 13. Wait 5 minutes.
☒ 14. Apply positive pressure for approx. 10-15 seconds. ***(12-15 PSI- Selector to the left).***
☒ 15. Remove plate containing eluate. Place on SPE Dry and evaporate to dryness at approx. 35°C.
SPE Dry ID: 66819
☒ 16. Reconstitute in **100 µL 100% LCMS MeOH** and heat seal plate with foil. Place in autosampler and run worklist.

Post-Analytic

☒ 1. Create batch and process data.
☒ 2. Calculated sample concentration of 1 ng/mL or greater for THC, 3 ng/mL or greater for THC-OH, and/or 5 ng/mL or greater for Carboxy-THC.
☒ 3. Retention time within +/- 2% or +/-0.100 min whichever is greater of the average retention time of the calibrators.
☒ 4. Did all QCs pass for each analyte? Yes
☒ 5. Central File Packet to include: LIMS Worklist, Method Checklist, Calibration and Control Reports

COMMENTS: *blood only batch, one sample was put in the worklist with the wrong plate position, sample for 1106 was injected morning of 5/13/21 and evaluated.*

am 26

5/12/21 WORKLIST

	1	2	3	4	5	6
A	IS + Cal. 1	neg blood	1106-1			IS + QC_1
B	IS + Cal. 2	1027-4	1121-1			IS + Cal. 7
C	IS + Cal. 3	1030-1	1011-1			IS + Cal. 6
D	IS + Cal. 4	1032-1	1011-2			IS + Cal. 5
E	IS + Cal. 5	1071-1	1011-3			IS + Cal. 4
F	IS + Cal. 6	1073-1	1070-1R			IS + Cal. 3
G	IS + Cal. 7	1081-1				IS + Cal. 2
H	IS + QC_1	1070-1 (did not flow through SLE placed 2nd in F3 position)				IS + Cal. 1

All wells to contain 100 µl of residual DMSO

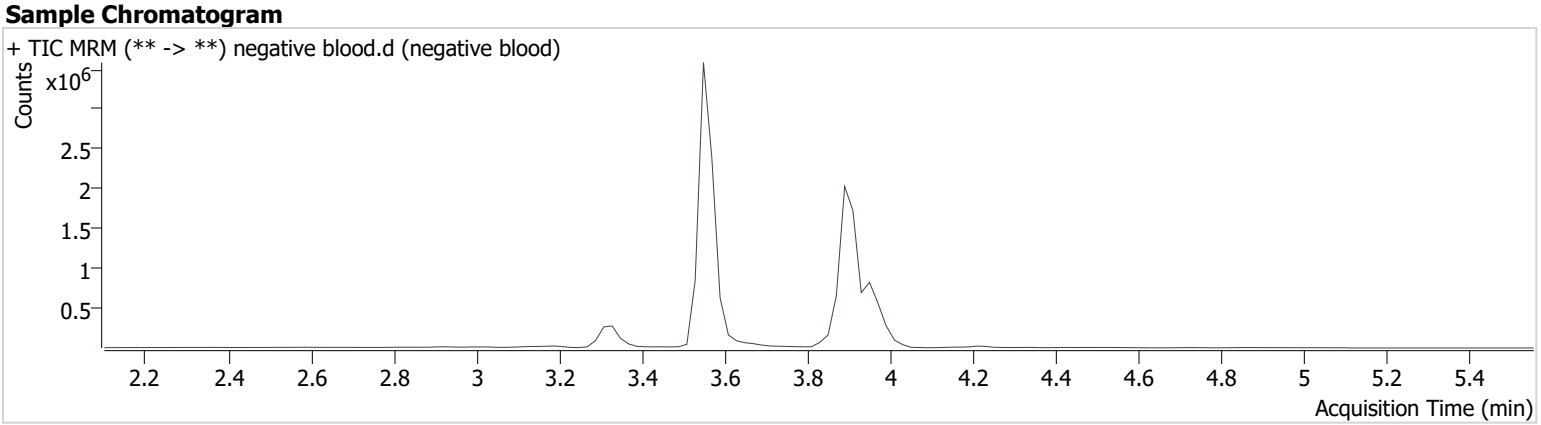
Case #: C2021-0____-__

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2021\am 25-26\051221\QuantResults\cann screen.batch.bin
Calibration Last Update 5/13/2021 10:06:50 AM

Instrument	69679	**Data File**	negative blood.d
Type	Sample	**Sample**	negative blood
Acq. Method	am 26 cann scr 5-5-20.m	**Operator**	Britany Wylie
Sample Position	P3-A2	**Comment**	
Injection Volume	5		
Acq. Date-Time	5/12/2021 12:08:43 PM		
Sample Info.			

Sample Chromatogram

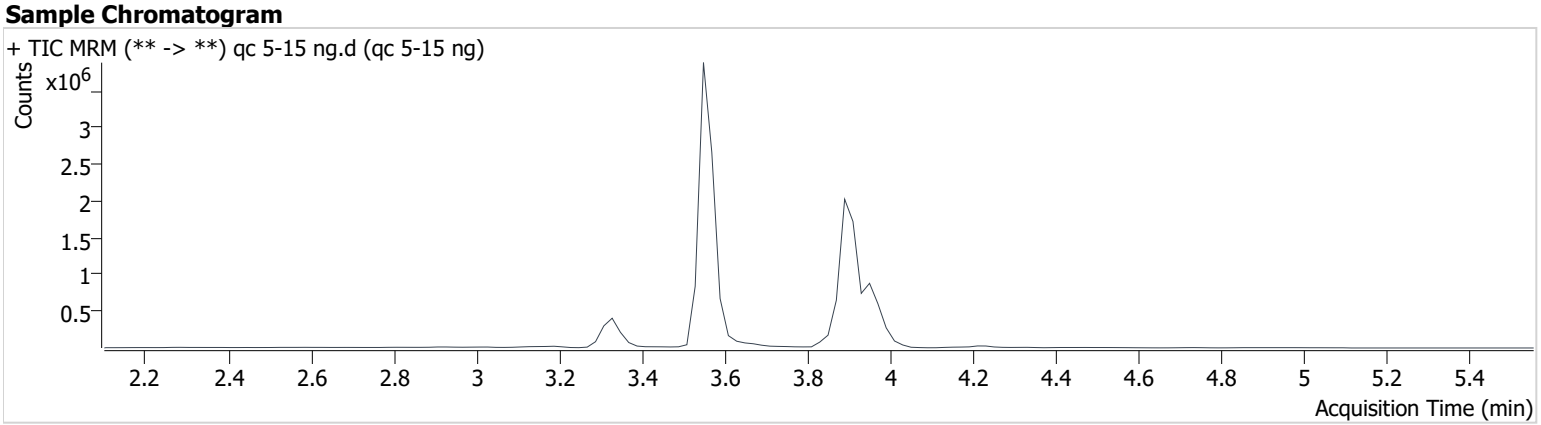


AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2021\am 25-26\051221\QuantResults\cann screen.batch.bin
Calibration Last Update 5/13/2021 10:06:50 AM

Instrument	69679	**Data File**	qc 5-15 ng.d
Type	QC	**Sample**	qc 5-15 ng
Acq. Method	am 26 cann scr 5-5-20.m	**Operator**	Britany Wylie
Sample Position	P3-H1	**Comment**	
Injection Volume	5		
Acq. Date-Time	5/12/2021 12:02:06 PM		
Sample Info.			

Sample Chromatogram



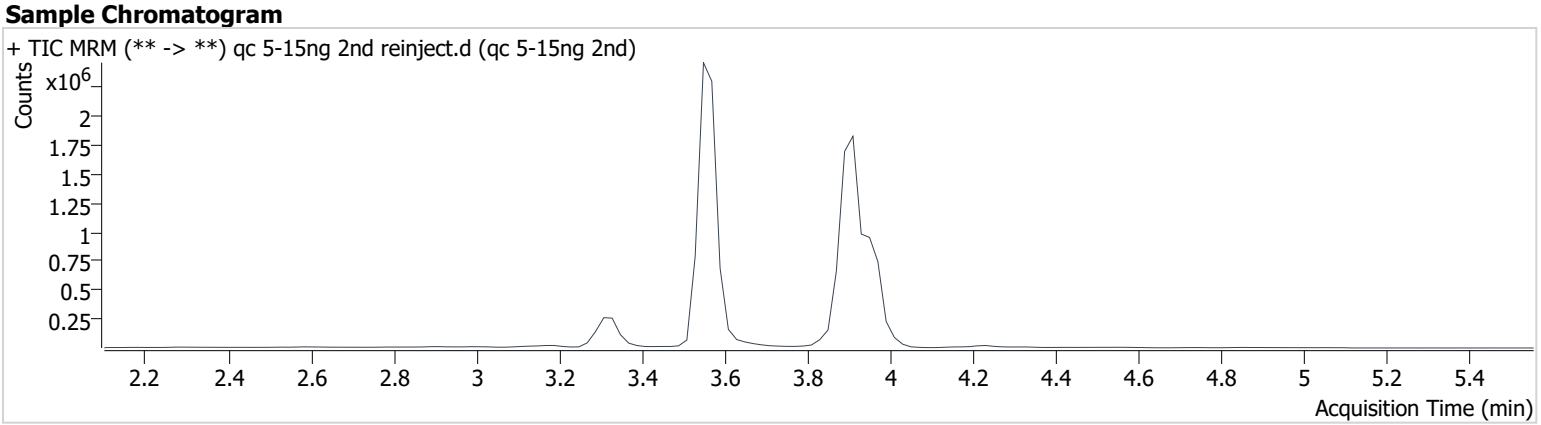
Name	RT	Resp.	ISTD Resp.	Final Conc.	
THC	3.964	62018	1443234	4.604	ng/ml
THC-COOH	3.331	166816	792671	15.179	ng/ml
THC-OH	3.558	72995	9516071	4.657	ng/ml

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2021\am 25-26\051221\QuantResults\cann screen.batch.bin
Calibration Last Update 5/13/2021 10:06:50 AM

Instrument	69679	**Data File**	qc 5-15ng 2nd reinject.d
Type	Sample	**Sample**	qc 5-15ng 2nd
Acq. Method	am 26 cann scr 5-5-20.m	**Operator**	Britany Wylie
Sample Position	P3-H1	**Comment**	
Injection Volume	5		
Acq. Date-Time	5/13/2021 9:54:54 AM		
Sample Info.			

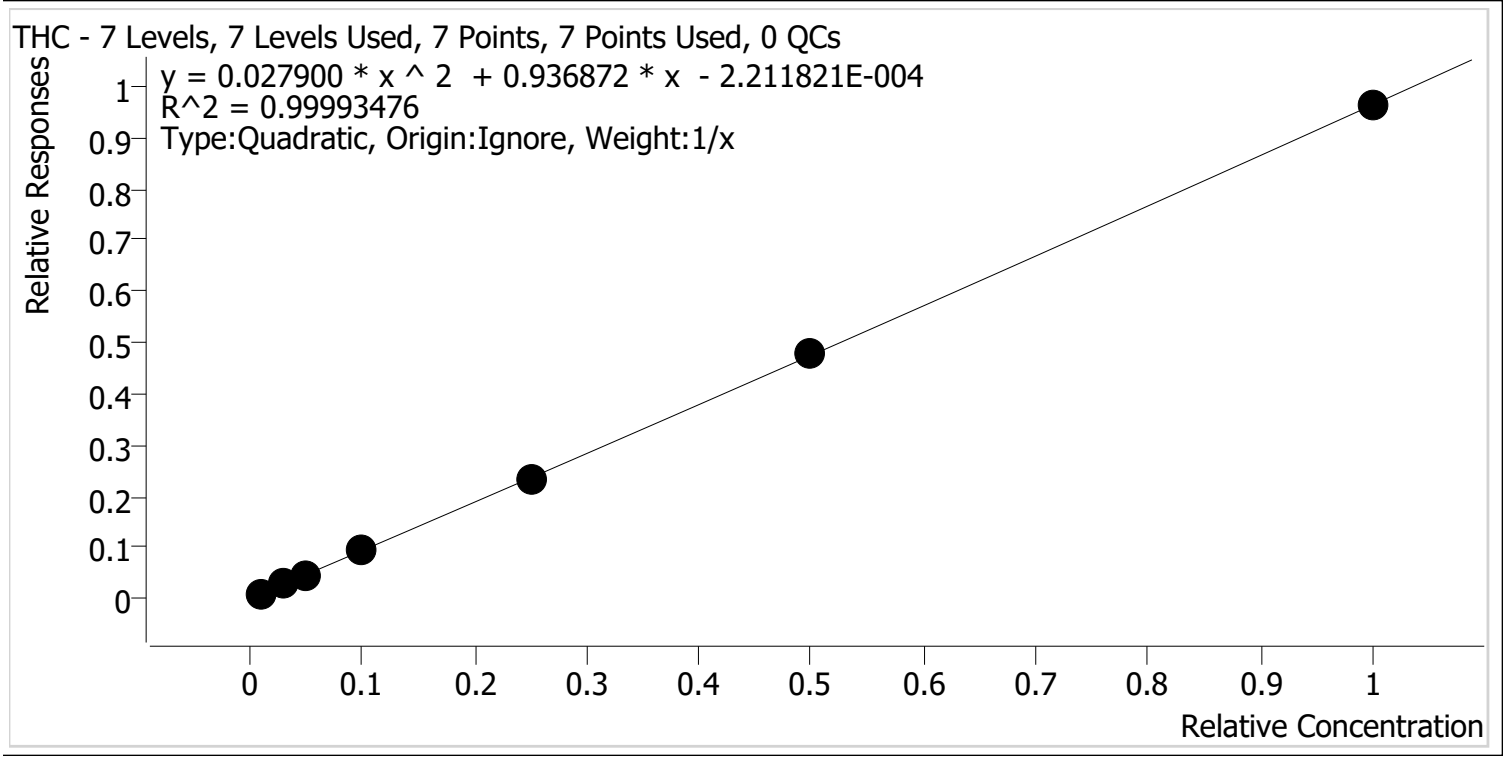
Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.	
THC	3.964	75332	1818094	4.440	ng/ml
THC-COOH	3.331	123323	638821	13.948	ng/ml
THC-OH	3.578	59329	7394854	4.867	ng/ml

Compound Calibration Report

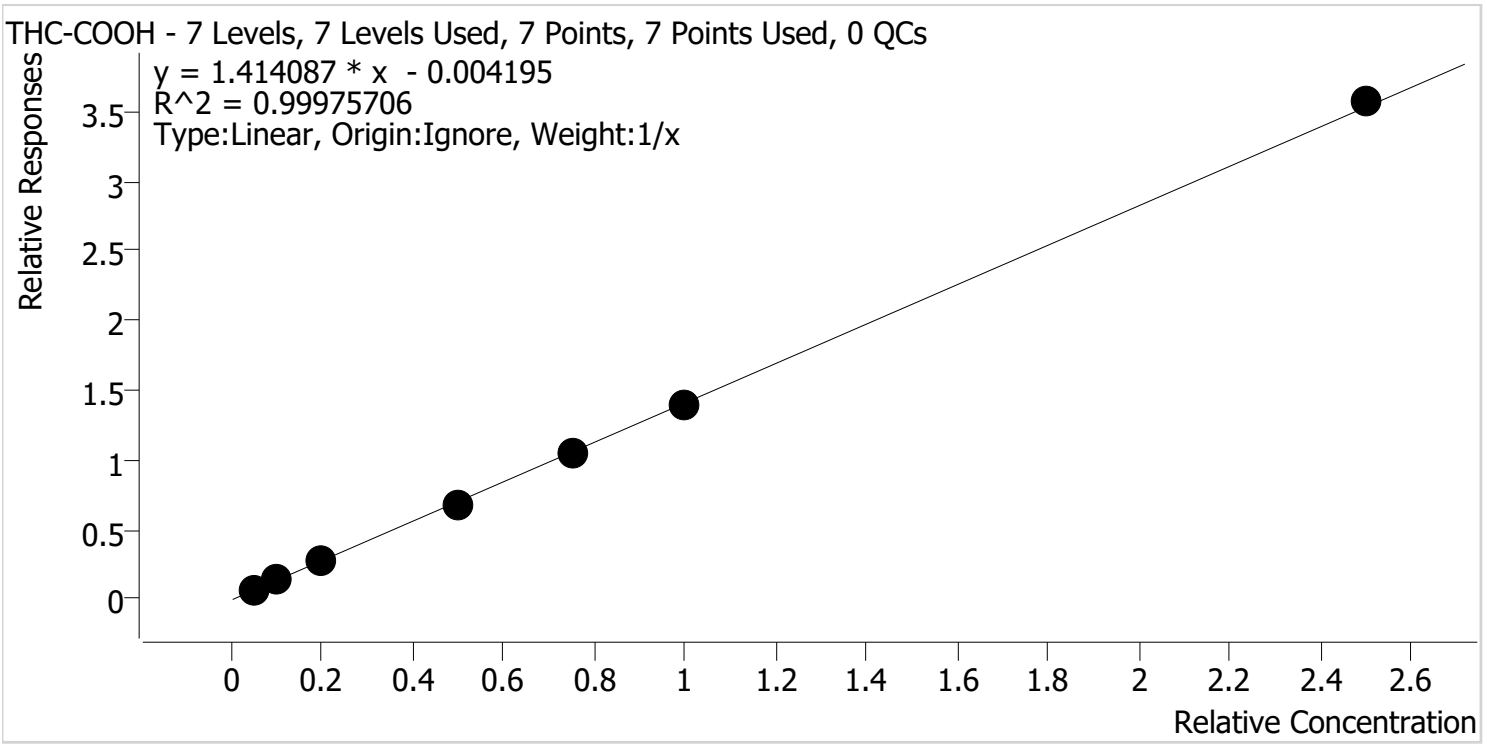
Batch results D:\MassHunter\Data\2021\am 25-26\051221\QuantResults\cann screen.batch.bin
Last Cal. Update 5/13/2021 10:06 AM
Analyst Name ISP\datastor
Analyte THC **Internal Standard** THC-d3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1	1	✔	1.0	1.0	104.4
cal 2	2	✔	3.0	3.0	98.5
cal 3	3	✔	5.0	4.9	97.5
cal 4	4	✔	10.0	9.9	99.0
cal 5	5	✔	25.0	25.0	100.0
cal-6	6	✔	50.0	50.4	100.9
cal-7	7	✔	100.0	99.8	99.8

Compound Calibration Report

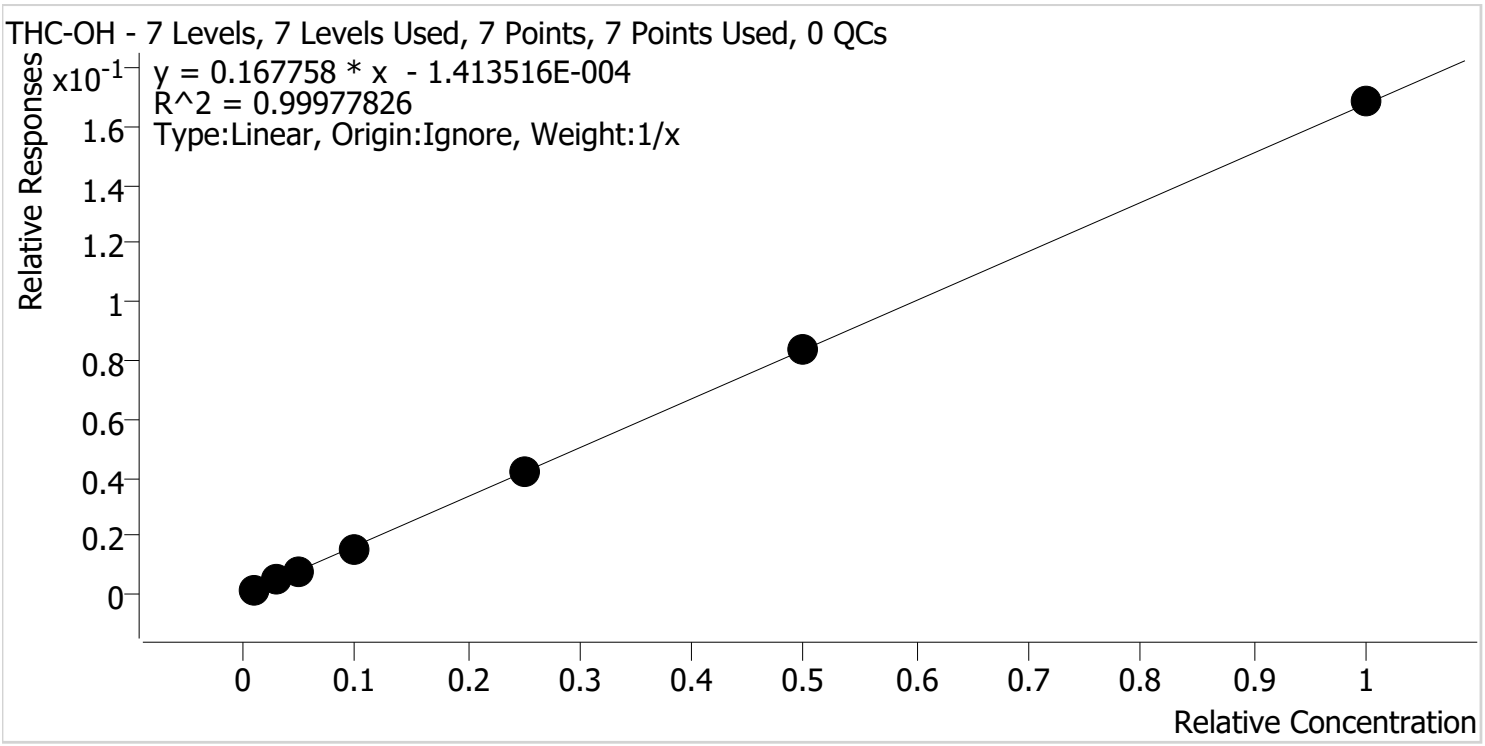
Batch results	D:\MassHunter\Data\2021\am 25-26\051221\QuantResults\cann screen.batch.bin
Last Cal. Update	5/13/2021 10:06 AM
Analyst Name	ISP\datastor
Analyte	THC-COOH
Internal Standard	THC-COOH-d9



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1	1	✔	5.0	5.2	104.9
cal 2	2	✔	10.0	10.0	99.8
cal 3	3	✔	20.0	19.6	98.2
cal 4	4	✔	50.0	49.1	98.1
cal 5	5	✔	75.0	73.6	98.1
cal-6	6	✔	100.0	99.7	99.7
cal-7	7	✔	250.0	252.7	101.1

Compound Calibration Report

Batch results	D:\MassHunter\Data\2021\am 25-26\051221\QuantResults\cann screen.batch.bin
Last Cal. Update	5/13/2021 10:06 AM
Analyst Name	ISP\datastor
Analyte	THC-OH
Internal Standard	THC-OH-d3



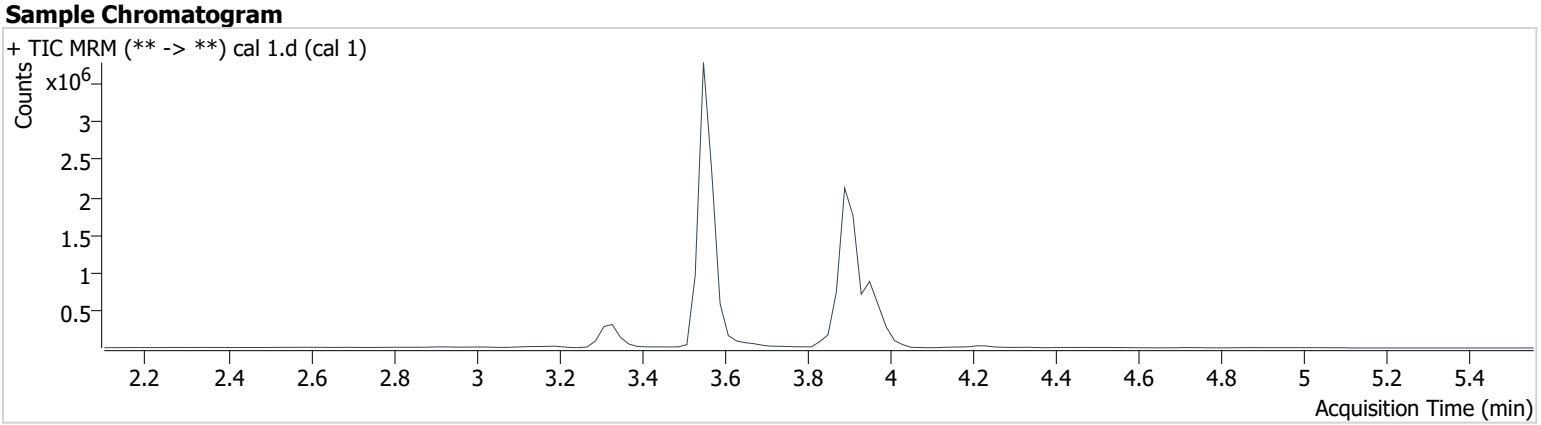
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1	1	✔	1.0	1.1	108.8
cal 2	2	✔	3.0	2.9	97.4
cal 3	3	✔	5.0	4.8	96.9
cal 4	4	✔	10.0	9.6	95.8
cal 5	5	✔	25.0	25.2	100.9
cal-6	6	✔	50.0	49.9	99.7
cal-7	7	✔	100.0	100.5	100.5

AM #26 Cannabinoids Screen Results

Batch results	D:\MassHunter\Data\2021\am 25-26\051221\QuantResults\cann screen.batch.bin
Calibration Last Update	5/13/2021 10:06:50 AM

Instrument	69679	**Data File**	cal 1.d
Type	Cal	**Sample**	cal 1
Acq. Method	am 26 cann scr 5-5-20.m	**Operator**	Britany Wylie
Sample Position	P3-A1	**Comment**	
Injection Volume	5		
Acq. Date-Time	5/12/2021 11:09:28 AM		
Sample Info.			

Sample Chromatogram



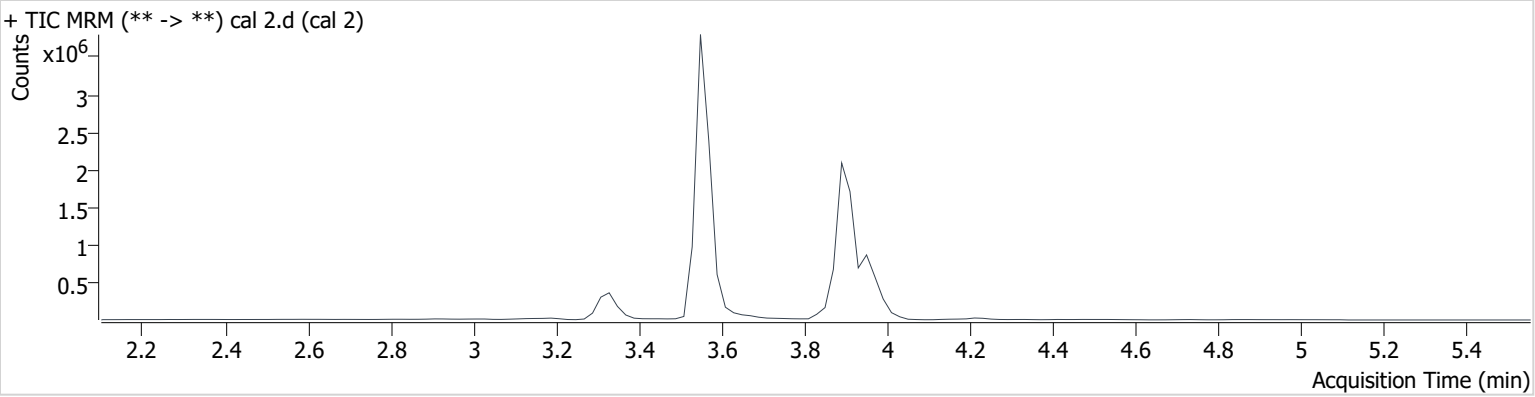
Name	RT	Resp.	ISTD Resp.	Final Conc.		
THC	3.964	14123	1476564	1.044	ng/ml	**Low**
THC-COOH	3.331	56977	814282	5.245	ng/ml	**Low**
THC-OH	3.558	16136	9582687	1.088	ng/ml	**Low**

AM #26 Cannabinoids Screen Results

Batch results	D:\MassHunter\Data\2021\am 25-26\051221\QuantResults\cann screen.batch.bin
Calibration Last Update	5/13/2021 10:06:50 AM

Instrument	69679	**Data File**	cal 2.d
Type	Cal	**Sample**	cal 2
Acq. Method	am 26 cann scr 5-5-20.m	**Operator**	Britany Wylie
Sample Position	P3-B1	**Comment**	
Injection Volume	5		
Acq. Date-Time	5/12/2021 11:16:05 AM		
Sample Info.			

Sample Chromatogram



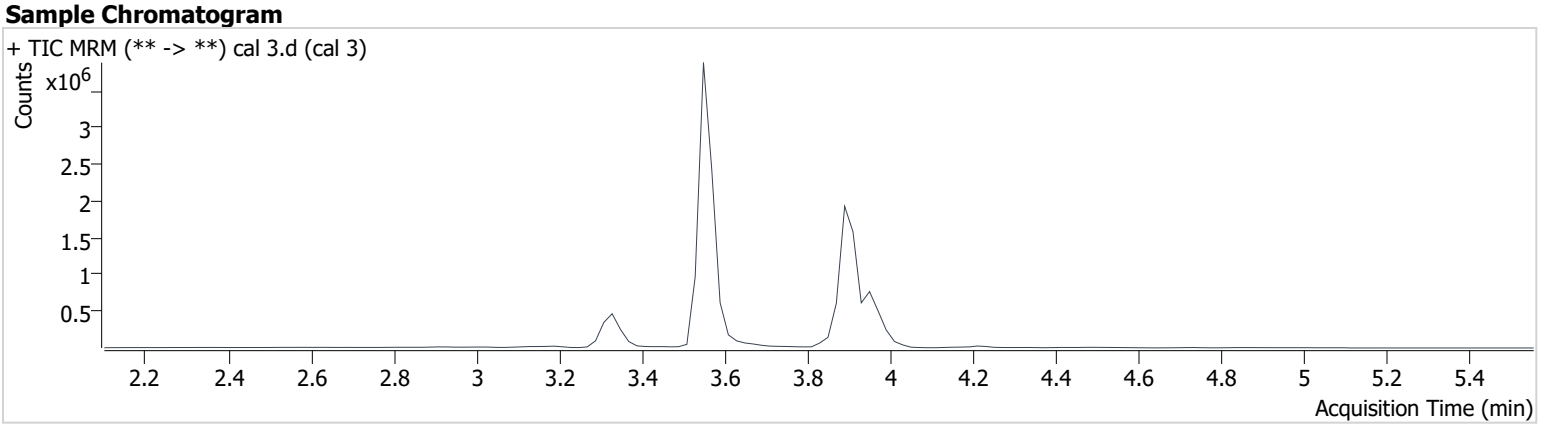
Name	RT	Resp.	ISTD Resp.	Final Conc.		
THC	3.964	39592	1440318	2.955	ng/ml	**Low**
THC-COOH	3.331	113663	829896	9.982	ng/ml	**Low**
THC-OH	3.558	44880	9432261	2.921	ng/ml	**Low**

AM #26 Cannabinoids Screen Results

Batch results	D:\MassHunter\Data\2021\am 25-26\051221\QuantResults\cann screen.batch.bin
Calibration Last Update	5/13/2021 10:06:50 AM

Instrument	69679	**Data File**	cal 3.d
Type	Cal	**Sample**	cal 3
Acq. Method	am 26 cann scr 5-5-20.m	**Operator**	Britany Wylie
Sample Position	P3-C1	**Comment**	
Injection Volume	5		
Acq. Date-Time	5/12/2021 11:22:40 AM		
Sample Info.			

Sample Chromatogram



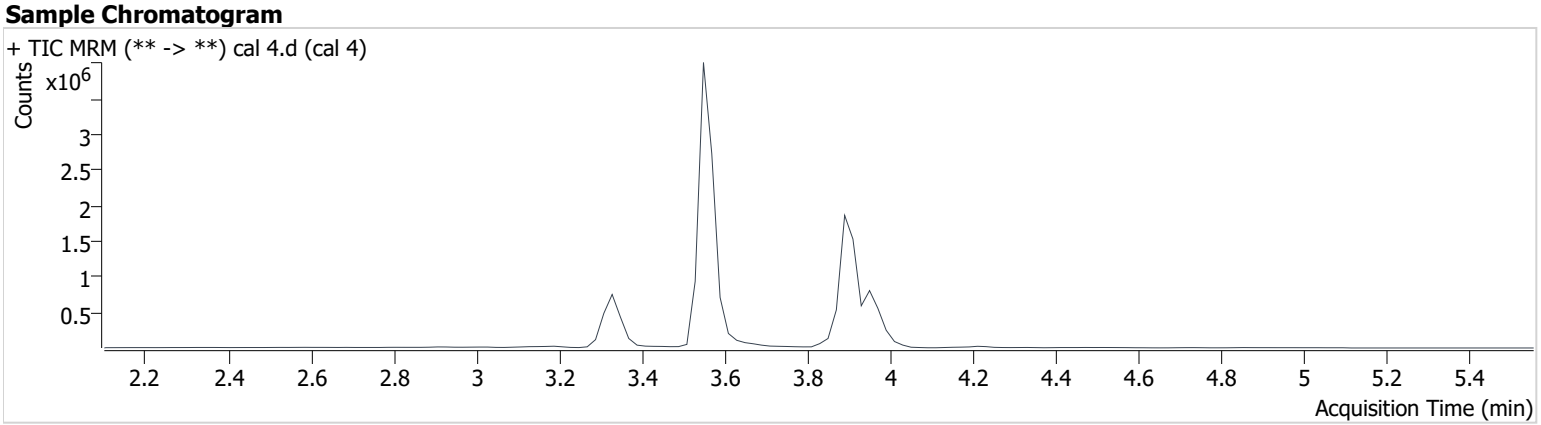
Name	RT	Resp.	ISTD Resp.	Final Conc.	
THC	3.964	57159	1255807	4.875	ng/ml
THC-COOH	3.331	227883	833082	19.641	ng/ml
THC-OH	3.558	74385	9311469	4.846	ng/ml

AM #26 Cannabinoids Screen Results

Batch results	D:\MassHunter\Data\2021\am 25-26\051221\QuantResults\cann screen.batch.bin
Calibration Last Update	5/13/2021 10:06:50 AM

Instrument	69679	**Data File**	cal 4.d
Type	Cal	**Sample**	cal 4
Acq. Method	am 26 cann scr 5-5-20.m	**Operator**	Britany Wylie
Sample Position	P3-D1	**Comment**	
Injection Volume	5		
Acq. Date-Time	5/12/2021 11:29:17 AM		
Sample Info.			

Sample Chromatogram



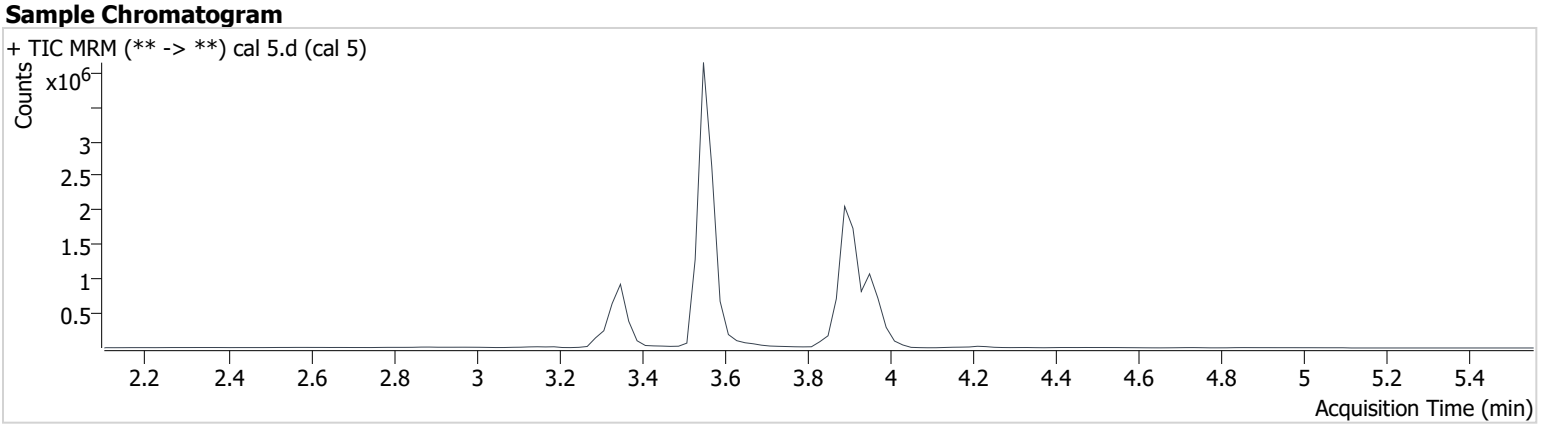
Name	RT	Resp.	ISTD Resp.	Final Conc.	
THC	3.964	122645	1322220	9.895	ng/ml
THC-COOH	3.331	562016	814820	49.073	ng/ml
THC-OH	3.558	147613	9265168	9.581	ng/ml

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2021\am 25-26\051221\QuantResults\cann screen.batch.bin
Calibration Last Update 5/13/2021 10:06:50 AM

Instrument	69679	**Data File**	cal 5.d
Type	Cal	**Sample**	cal 5
Acq. Method	am 26 cann scr 5-5-20.m	**Operator**	Britany Wylie
Sample Position	P3-E1	**Comment**	
Injection Volume	5		
Acq. Date-Time	5/12/2021 11:35:52 AM		
Sample Info.			

Sample Chromatogram



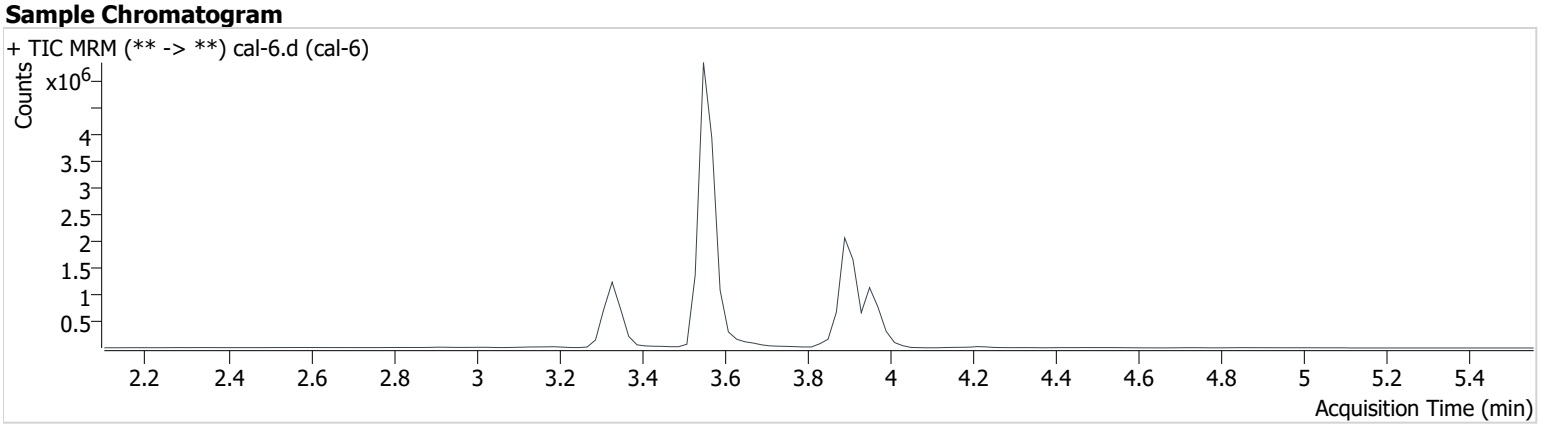
Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	3.964	349392	1482765	24.989 ng/ml
THC-COOH	3.351	816151	787731	73.565 ng/ml
THC-OH	3.558	338108	8016916	25.224 ng/ml

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2021\am 25-26\051221\QuantResults\cann screen.batch.bin
Calibration Last Update 5/13/2021 10:06:50 AM

Instrument	69679	**Data File**	cal-6.d
Type	Cal	**Sample**	cal-6
Acq. Method	am 26 cann scr 5-5-20.m	**Operator**	Britany Wylie
Sample Position	P3-F1	**Comment**	
Injection Volume	5		
Acq. Date-Time	5/12/2021 11:42:27 AM		
Sample Info.			

Sample Chromatogram



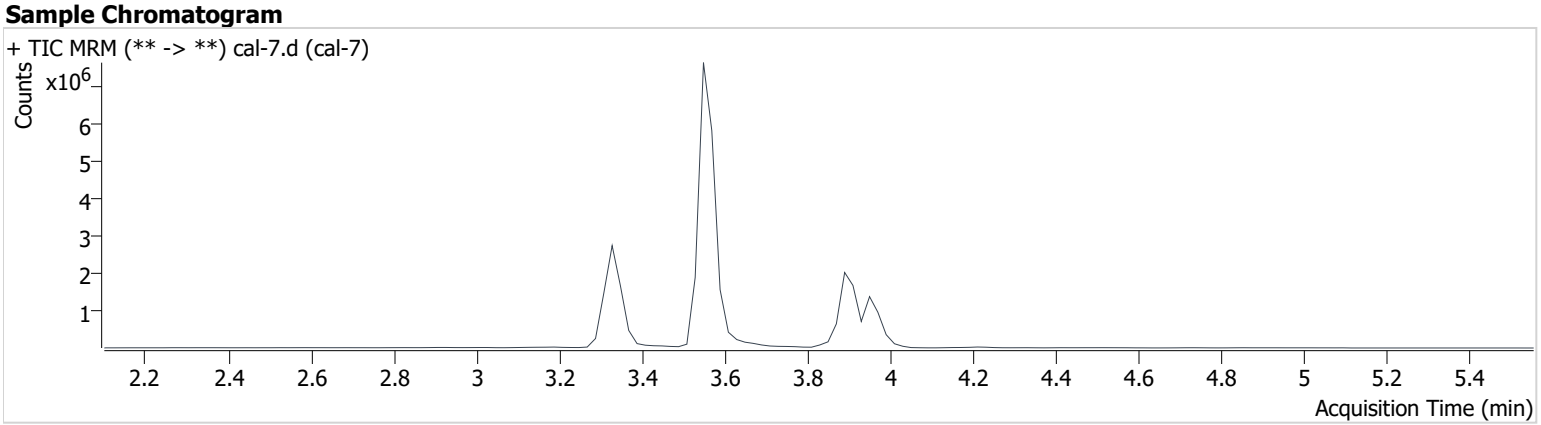
Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	3.964	651296	1358681	50.432 ng/ml
THC-COOH	3.331	1122230	798000	99.746 ng/ml
THC-OH	3.558	706677	8461035	49.871 ng/ml

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2021\am 25-26\051221\QuantResults\cann screen.batch.bin
Calibration Last Update 5/13/2021 10:06:50 AM

Instrument	69679	**Data File**	cal-7.d
Type	Cal	**Sample**	cal-7
Acq. Method	am 26 cann scr 5-5-20.m	**Operator**	Britany Wylie
Sample Position	P3-G1	**Comment**	
Injection Volume	5		
Acq. Date-Time	5/12/2021 11:49:02 AM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.	
THC	3.964	1197906	1244372	99.809	ng/ml
THC-COOH	3.331	2838158	795029	252.748	ng/ml
THC-OH	3.558	1405045	8343388	100.468	ng/ml