REVIEWED
By Sarah Collins at 8:47 am, Nov 18, 2021

11/16/2021

Worklist: 5390

LAB_CASE	ITEM	ITEM_TYPE	DESCRIPTION
C2021-2218		BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
C2021-2383		BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
C2021-2399		BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
C2021-2412		BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
C2021-2413		BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
C2021-2416		BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
C2021-2419		BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
C2021-2422		BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
C2021-2428		BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
C2021-2434		UCK	AM 25/AM 26 Urine MultiDrug/THC Screen by LC-QQQ
C2021-2435	4	UCK	AM 25/AM 26 Urine MultiDrug/THC Screen by LC-QQQ
C2021-2441		BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
C2021-2442		BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
C2021-2443		UCK	AM 25/AM 26 Urine MultiDrug/THC Screen by LC-QQQ
C2021-2459		BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
C2021-2461		BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
C2021-2485		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: 11/16/21 Analyst: Anne Nord
Plate lot#: 210611 Plate retest date: 12/11/21

Mobile phase A: 10mM Ammonium Formate **Mobile phase B:** 0.1% Formic Acid in MeOH
0.5M Ammonium Hydroxide Ethyl Acetate LC 20% Methanol
Blank Blood Lot: 21D52496 **Blank Urine lot:** 83121 **Column**: Phenomenex Phenyl Hexyl (4.6x50mm, 2.6um)
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 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. add 50 ul 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:

	1	2	3	4	5	6	7	8	9	10	11	12
A					2218-1	2441-1	negative urine					
B	cal 1				2383-1	2442-1	Positive urine					
C					2399-1	2459-1	2434-1					
D					2412-1	2461-1						
E					2413-1	2485-1						
F					2416-1	2319-1						
G					2422-1		2443-1					
H				negative blood	2428-1		2435-4					

lab number format
C2021-____-_

Toxicology AM method 25/28 urine external control prep

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

11/18/21

Stock solution 1mg/ml 50 ul each in 4750 ul MeOH (Honeywell EA078-US)

ppd 6/25/21: Exp: 6/25/2022 lot 62522 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
Morphine	FE03232010	4/1/2025

AM 25/28 control 500 ul working solution (62522) in 4500 ul negative urine (1000ng/mL Expected concentration)

ppd 6/25/21, exp 6/25/22 lot u62522 negative urine 5621 by AMN

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

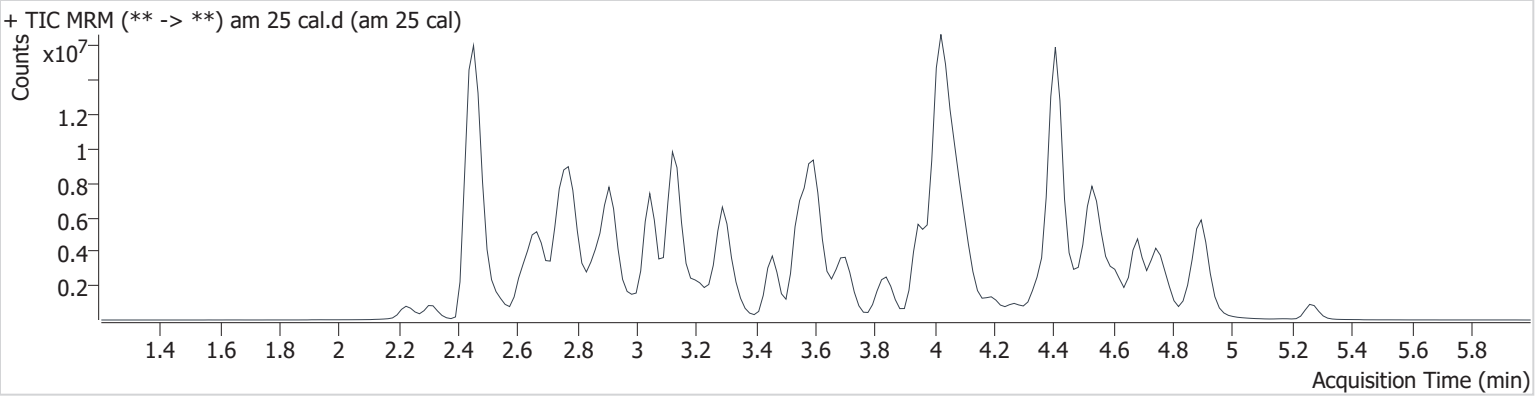
ppp 6/25/21, exp 6/25/22 lot b62522 neg blood 21D52496 by AMN

AM #25 Multi-Drug Screen Results

Batch results D:\MassHunter\Data\2021\am 25-26\111621\QuantResults\mds.batch.bin
Calibration Last Update 11/16/2021 2:53:39 PM

Instrument	69679	**Data File**	am 25 cal.d
Type	Cal	**Sample**	am 25 cal
Acq. Method	mds713.m	**Operator**	Anne Nord
Sample Position	P2-B1	**Comment**	
Injection Volume	2.5		
Acq. Date-Time	11/16/2021 11:12:32 AM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
6-MAM	3.028	56308	53253.4	86.3	1860427	10.000
7-aminoclonazepam	3.354	182919	346.5	135230.0	1311959	10.000
7-aminoflunitrazepam	3.583	515197	478974.6	190.7	1311959	10.000
Acetyl Fentanyl	4.300	191958	110.1	242.9	22768176	10.000
Acetyl Norfentanyl	2.656	262583	279.2	373.7	22768176	10.000
a-hydroxyalprazolam	4.377	73579	8255.7	5463.4	1311959	10.000
alpha-hydroxymidazolam	4.468	1012224	436.6	399974.7	1311959	10.000
alpha-PHP	4.017	2215168	1033.3	369.4	8260385	10.000
alpha-PVP	3.696	3380855	1776.9	685.3	8260385	10.000
Alprazolam	4.488	1254984	398.0	407.9	6335258	10.000
Amitriptyline	4.584	459400	299.0	189.9	2369318	10.000
Amphetamine	2.662	3088581	1775.6	1353.6	8260385	10.000
Benzoylecgonine	3.122	127511	1511.6	62.5	255216	10.000
Brompheniramine	4.055	46246	39081.9	29.4	33428181	10.000
Buprenorphine	5.272	100718	62886.3	710.5	2364827	10.000
Bupropion	4.018	2892998	1068.0	853.0	11908415	10.000
Carbamazepine	4.064	4768444	3254.4	591.8	49899	10.000
Carisoprodol	4.046	638512	2001.7	137.6	3666009	10.000
Chlordiazepoxide	4.612	458502	92067.4	120.1	6335258	10.000
Chlorpheniramine	3.952	3327387	397739.4	286.2	33428181	10.000
Citalopram	4.038	1604022	1065.5	246.2	33428181	10.000
Clomimpramine	4.854	919546	2862.2	465.6	7387171	10.000
Clonazepam	4.286	231329	33.5	140.9	6335258	10.000
Clonazolam	4.205	547359	212789.2	62932.9	6335258	10.000
Cocaethylene	3.825	3244210	14377.3	1536481.7	33428181	10.000
Cocaine	3.626	4353008	1316.0	250.5	23998701	10.000
Codeine	2.999	425726	375.9	333.7	259257	10.000
Cyclobenzaprine	4.461	1010714	207.3	76.2	2369318	10.000
Desipramine	4.339	1374419	539960.1	10213.3	2369318	10.000
Dextromethorphan	4.106	954759	1246.1	190553.2	5045343	10.000
Dextrorphan	3.265	2155288	17601.4	348.7	5045343	10.000
Diazepam	4.750	768334	626.9	283.2	6335258	10.000
Dihydrocodeine	2.710	1062166	807.2	381.0	1806906	10.000

AM #25 Multi-Drug Screen Results

Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
Diphenhydramine	4.047	4562134	535.9	816.8	33428181	10.000
Doxepin	4.259	782391	120.1	88.9	12163133	10.000
Doxylamine	3.554	7340310	13678.7	∞	5045343	10.000
EDDP	3.982	769769	1023.4	1821.2	1806906	10.000
Estazolam	4.382	2276859	239.6	447.2	6335258	10.000
Etizolam	4.514	126997	49142.4	255724.3	6335258	10.000
Fentanyl	4.530	116092	96.1	24220.4	7196746	10.000
Flualprazolam	4.330	497356	198601.7	142421.7	6335258	10.000
Flunitrazepam	4.425	1053786	284.2	216277.4	6335258	10.000
Fluoxetine	4.271	806811	8335.8	81.7	2003079	10.000
Flurazepam	4.543	1887704	636140.6	199131.0	6335258	10.000
Hydrocodone	3.275	1178842	342.9	162.1	7459393	10.000
Hydromorphone	2.546	1206200	1894.3	518.4	259257	10.000
Imipramine	4.506	1801790	428.8	330.8	2369318	10.000
Ketamine	4.003	2775073	2490.9	72.4	16135922	10.000
Lamotrigine	3.434	198934	986.4	43344.2	33428181	10.000
Levamisole	3.130	2356745	1500.2	272.8	5045343	10.000
Levetireacetam	2.325	587921	724.8	539.8	7387171	10.000
Lorazepam	4.285	31740	118.7	23.2	6335258	10.000
Maprotiline	4.583	284131	161.9	80.3	2369318	10.000
MDA	2.796	2171651	446.4	472.5	22243022	10.000
MDEA	3.054	3118201	407.4	39532.5	22243022	10.000
MDMA	2.886	3884649	480.6	201.8	22243022	10.000
Meperidine	3.679	1885988	350.7	215.2	5045343	10.000
Meprobamate	3.437	199372	164060.7	51.9	3666009	10.000
Methadone	4.364	2452261	373.0	191.5	1806906	10.000
Methamphetamine	2.782	7560593	∞	19682.7	22243022	10.000
Methocarbamol	3.343	171081	5802.1	889.3	1806906	10.000
Methylphenidate	3.466	6993689	1114.7	435.4	16135922	10.000
Metoprolol	3.279	623935	460.6	2258.4	5045343	10.000
Midazolam	4.669	315772	438.0	119959.7	6335258	10.000
Mirtazapine	4.555	2133028	3581.8	1310.5	5045343	10.000
Mitragynine	4.527	202720	37187.5	120151.8	5045343	10.000
Morphine	2.304	328275	648.9	690.5	259257	10.000
Norbuprenorphine	3.790	36859	29011.4	1579.5	259257	10.000
Nordiazepam	4.569	340307	188.8	63887.7	6335258	10.000
Norfentanyl	3.144	4455048	1031.0	485.2	22768176	10.000
Norhydrocodone	2.743	51770	157.6	113.1	7459393	10.000
norketamine	3.957	455915	167.7	7612.1	16135922	10.000
Normeperidine	3.466	1715262	306.4	208.7	33428181	10.000
Noroxycodone	2.664	1148337	∞	595.5	10771475	10.000
Nortriptyline	4.400	529233	2211.6	119.5	2369318	10.000
O-desmethyl-tramadol	2.685	6398116	2262.4	601.2	33428181	10.000
Olanzapine	4.102	913658	53703.3	557.4	49899	10.000
Oxazepam	4.367	148394	76.2	52.9	725417	10.000
Oxycodone	2.907	2212048	591.3	400.3	10771475	10.000
Oxymorphone	2.226	1297811	243.1	211.8	259257	10.000
Paroxetine	4.330	172000	149.0	1168.7	2003079	10.000
Phenazepam	4.514	368883	268558.8	99816.5	6335258	10.000
Phencyclidine	3.848	2903334	391.0	202.3	5045343	10.000
Phentermine	2.949	45390	130.2	∞	16135922	10.000
Phenytoin	3.939	92902	367.6	42.7	49899	10.000
Promethazine	4.629	2298764	1754.8	211.5	33428181	10.000
Pseudoephedrine	2.461	52880415	39057.9	48324.4	22243022	10.000
Quetiapine	4.743	2907175	1297571.4	566456.5	32800867	10.000
Sertraline	4.611	408363	3125.8	578.8	2003079	10.000
Sufentanil	4.955	90055	50799.5	242.7	22768176	10.000
Tapentadol	3.298	4015677	1198.7	937.1	1806906	10.000
Temazepam	4.535	1225513	294.2	102.2	6335258	10.000
Tramadol	3.295	6394757	1001.0	78.8	33428181	10.000

AM #25 Multi-Drug Screen Results

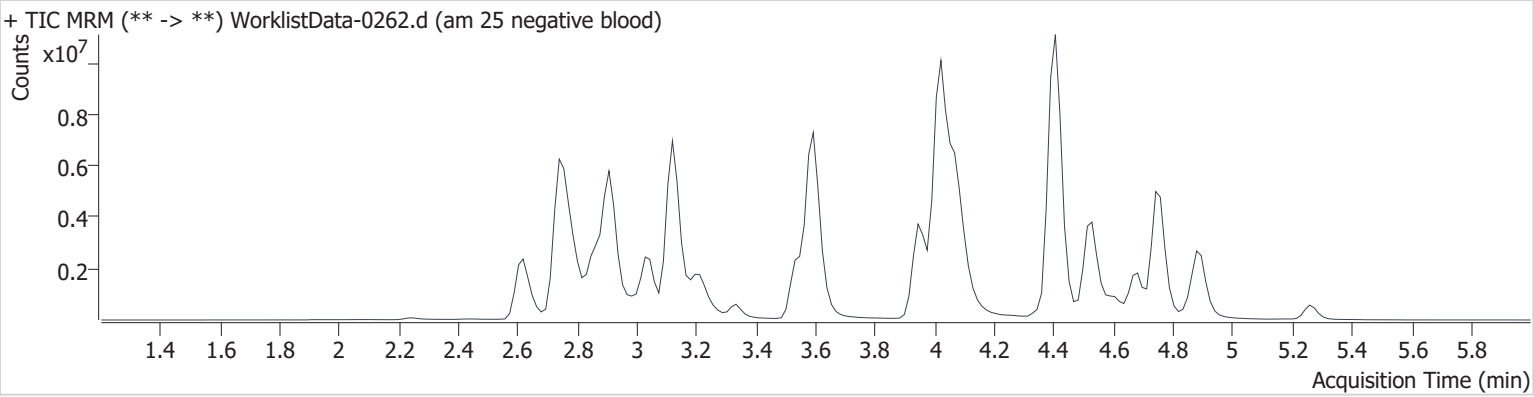
Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
Trazodone	4.911	2654933	2675.1	1292480.6	12163133	10.000
Venlafaxine	3.706	4615300	1205.0	198.7	2003079	10.000
Zaleplon	4.196	1178471	9997.4	283010.4	32800867	10.000
Zolpidem	4.427	6535294	3431892.8	742.4	32800867	10.000
Zopiclone	4.420	581913	503.3	5228.0	3148643	10.000

AM #25 Multi-Drug Screen Results

Batch results D:\MassHunter\Data\2021\am 25-26\111621\QuantResults\mds.batch.bin
Calibration Last Update 11/16/2021 2:53:39 PM

Instrument	69679	**Data File**	WorklistData-0262.d
Type	Sample	**Sample**	am 25 negative blood
Acq. Method	mds713.m	**Operator**	Anne Nord
Sample Position	P2-H4	**Comment**	
Injection Volume	2.5		
Acq. Date-Time	11/16/2021 11:19:15 AM		
Sample Info.			

Sample Chromatogram

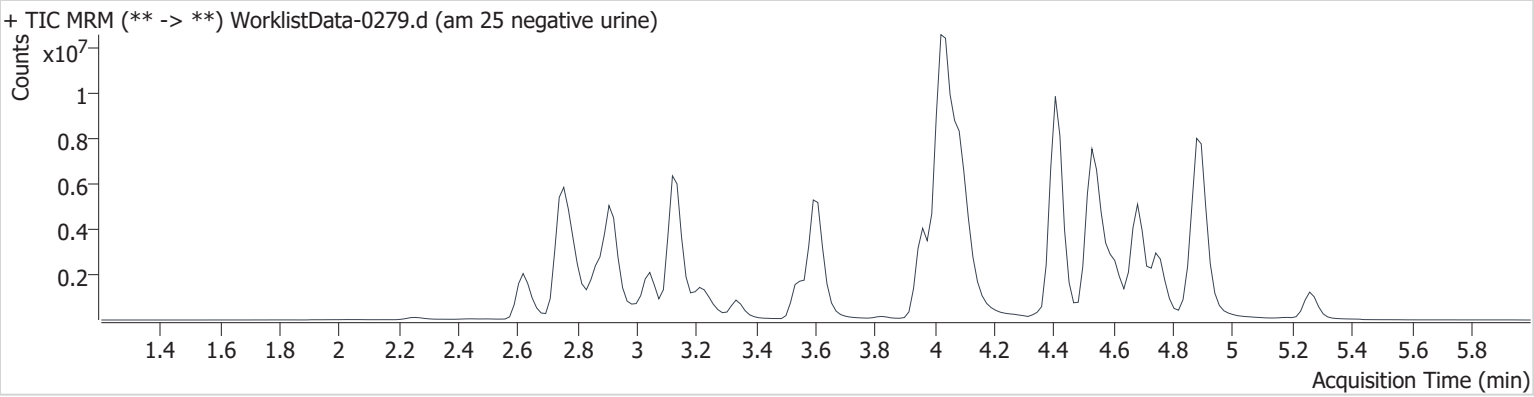


AM #25 Multi-Drug Screen Results

Batch results D:\MassHunter\Data\2021\am 25-26\111621\QuantResults\mds.batch.bin
Calibration Last Update 11/16/2021 2:53:39 PM

Instrument	69679	**Data File**	WorklistData-0279.d
Type	Sample	**Sample**	am 25 negative urine
Acq. Method	mds713.m	**Operator**	Anne Nord
Sample Position	P2-A7	**Comment**	
Injection Volume	2.5		
Acq. Date-Time	11/16/2021 12:59:30 PM		
Sample Info.			

Sample Chromatogram

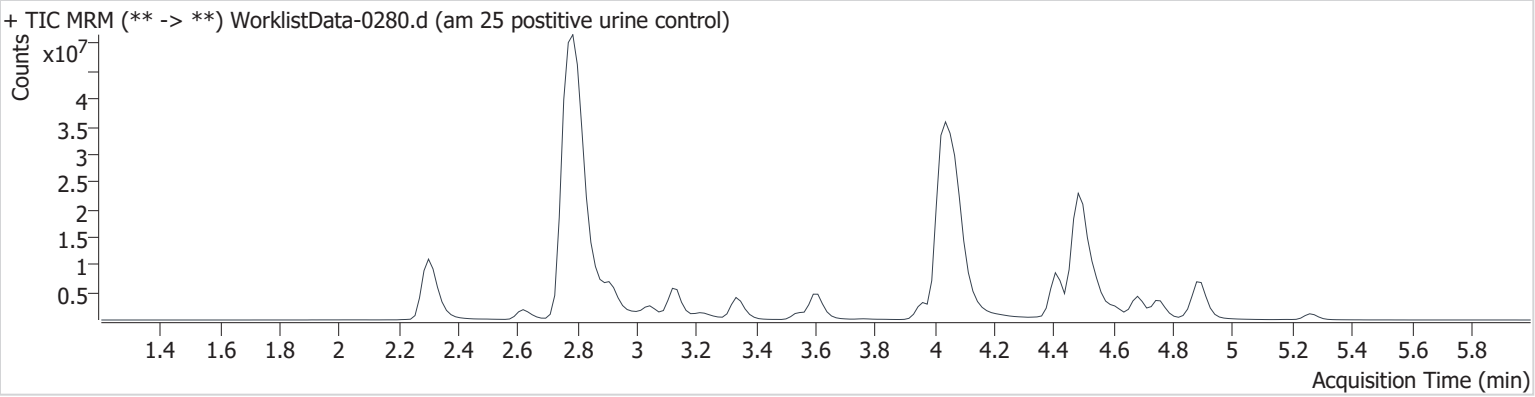


AM #25 Multi-Drug Screen Results

Batch results D:\MassHunter\Data\2021\am 25-26\111621\QuantResults\mds.batch.bin
Calibration Last Update 11/16/2021 2:53:39 PM

Instrument	69679	**Data File**	WorklistData-0280.d
Type	Sample	**Sample**	am 25 postitive urine control
Acq. Method	mds713.m	**Operator**	Anne Nord
Sample Position	P2-B7	**Comment**	
Injection Volume	2.5		
Acq. Date-Time	11/16/2021 1:06:11 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
Alprazolam	4.488	41492817	8461534.6	∞	3988114	525.208
Diphenhydramine	4.062	89967452	404.1	882.8	30608278	215.373
Methamphetamine	2.797	90095059	∞	∞	14232433	186.234
Methocarbamol	3.343	5696621	36706.2	434.4	1851151	325.019
Morphine	2.304	13286392	41668.7	3305.4	215210	487.570

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

Extraction Date: 11/16/21 Analyst: Anne Nord

Plate lot#: 210609 Plate Expiration: 12-9-21

Mobile phase A: 10mM Ammonium Formate 0.1% Formic Acid in Water **Mobile phase B:** 0.1% Formic acid in MeOH MTBE Hexane
Blank Blood Lot: 21D52496 **Urine Blank:** 83121 **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 8**00 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 3 ng/mL or greater for THC and THC-OH, a calculated sample concentration of 10 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:

	1	2	3	4	5	6
a	cal 1	neg blood	2422-1	Urine positive		
b	cal 2	2218-1	**2428-1** *	2443-1		
c	cal 3	2383-1	2441-1	2434-1		
d	cal 4	2399-1	2442-1	2435-4		
e	Cal 5	2412-1	2459-1	2428-1		
f	cal 6	2413-1	2461-1			
g	cal 7	2416-1	2485-1			
h	Internal control	2419-1	neg urine			

C2021-____-_

* sample well clogged additional aliquot placed in e4

Toxicology AM method 27/26 external prep information

working solution 15 ug/ml in meoh C-THC, THC-OH, 7.5 ug/ml THC

Stock solution 1mg/ml 7.5 ul each THC, 100 ug/ml 150 ul C-THC, 150 ul THC-OH in 9692.5 ul meOH
Ppd 8/26/21 Exp: 8/26/22 lot 82621 by AMN

Drug	lot	expiration
C-THC	FE04151901	6/1/2024
THC-OH	FE06152002	6/1/2025
THC	FE04222001	5/1/2025

AM 27/26 blood control 100 ul working solution lot () in 9900 ul blood lot ()

		Concentration 7.5 ng/ml THC, 15 ng/ml C-THC, THC-OH	

AM 27/26 urine control 400 ul working solution lot (82620) in 9600 ul urine **out of use**

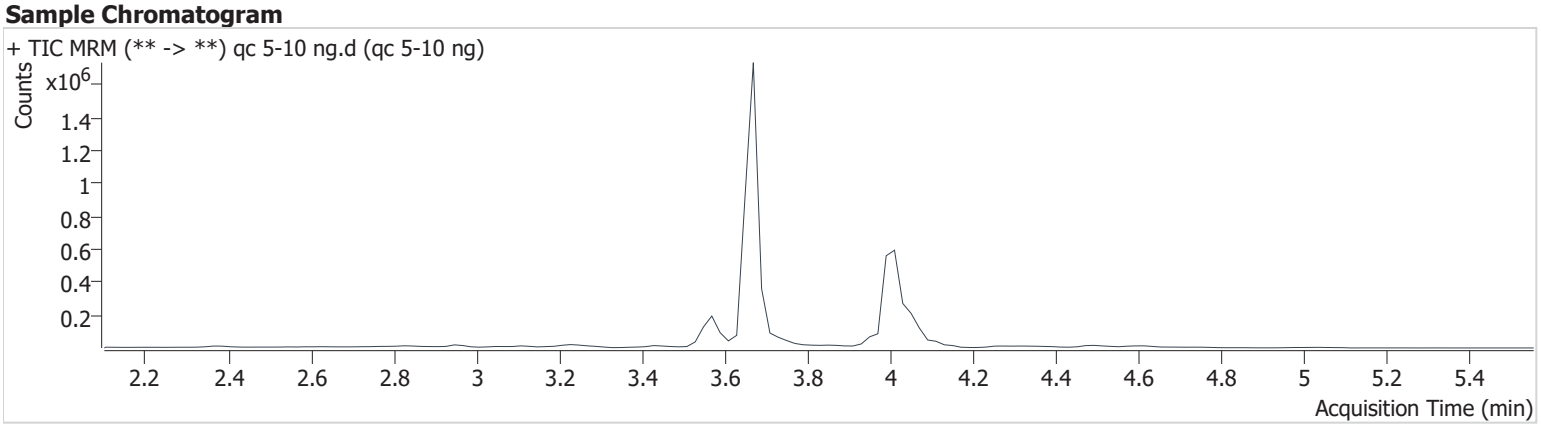
ppd 8/26/21 Exp 8/26/22 neg urine lot 5621	lot u82621	Concentration 30 ng/ml THC, and 60 ng/ml C-THC, THC-OH	by amn	last used 11/1/21
ppd 11/2/21 Exp 8/26/22 neg urine lot 83121	lot u11221	Concentration 30 ng/ml THC, and 60 ng/ml C-THC, THC-OH	by amn	

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2021\am 25-26\111621\QuantResults\cann.batch.bin
Calibration Last Update 11/17/2021 7:34:14 AM

Instrument	69679	**Data File**	qc 5-10 ng.d
Type	QC	**Sample**	qc 5-10 ng
Acq. Method	am 26 cann scr 5-5-20.m	**Operator**	Anne Nord
Sample Position	P3-H1	**Comment**	
Injection Volume	5		
Acq. Date-Time	11/16/2021 2:55:10 PM		
Sample Info.			

Sample Chromatogram



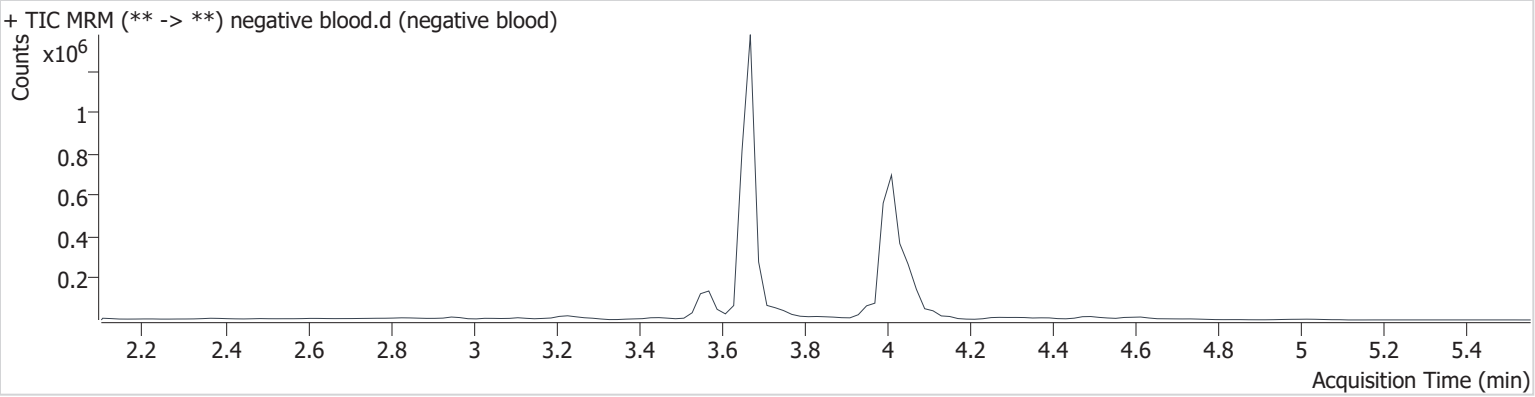
Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	4.064	10453	273463	4.585 ng/ml
THC-COOH	3.572	72340	353395	17.022 ng/ml
THC-OH	3.679	28846	3525450	4.873 ng/ml

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2021\am 25-26\111621\QuantResults\cann.batch.bin
Calibration Last Update 11/17/2021 7:34:14 AM

Instrument	69679	**Data File**	negative blood.d
Type	Sample	**Sample**	negative blood
Acq. Method	am 26 cann scr 5-5-20.m	**Operator**	Anne Nord
Sample Position	P3-A2	**Comment**	
Injection Volume	5		
Acq. Date-Time	11/16/2021 3:01:46 PM		
Sample Info.			

Sample Chromatogram

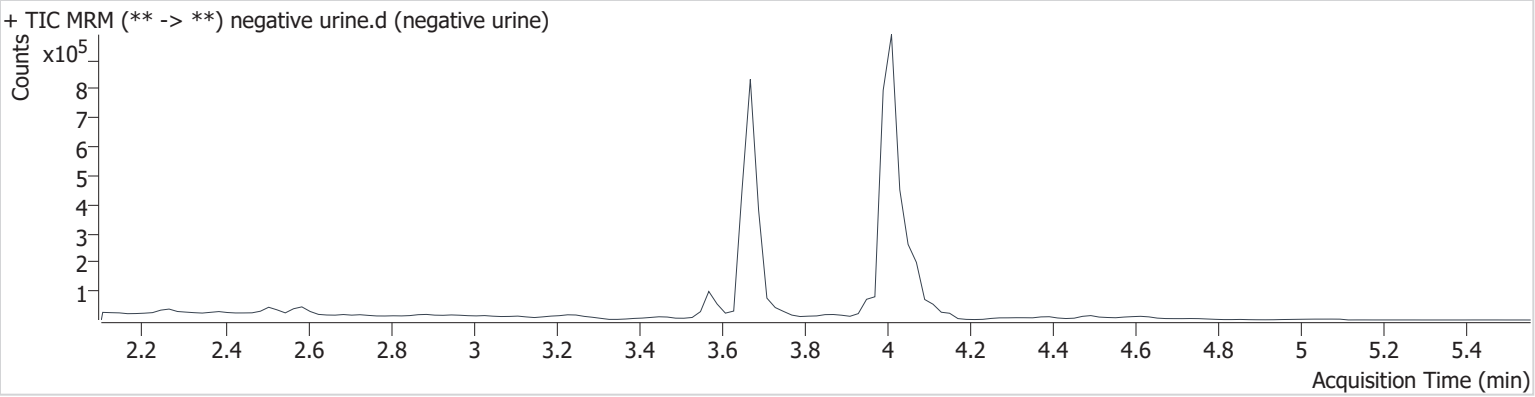


AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2021\am 25-26\111621\QuantResults\cann.batch.bin
Calibration Last Update 11/17/2021 7:34:14 AM

Instrument	69679	**Data File**	negative urine.d
Type	Sample	**Sample**	negative urine
Acq. Method	am 26 cann scr 5-5-20.m	**Operator**	Anne Nord
Sample Position	P3-H3	**Comment**	
Injection Volume	5		
Acq. Date-Time	11/16/2021 4:40:57 PM		
Sample Info.			

Sample Chromatogram

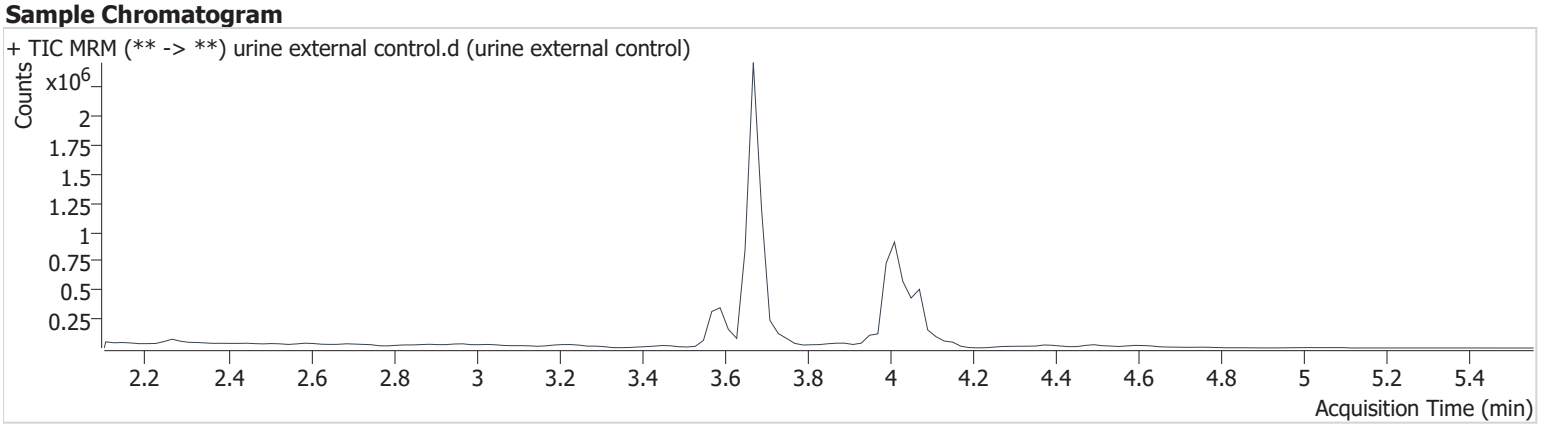


AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2021\am 25-26\111621\QuantResults\cann.batch.bin
Calibration Last Update 11/17/2021 7:34:14 AM

Instrument	69679	**Data File**	urine external control.d
Type	Sample	**Sample**	urine external control
Acq. Method	am 26 cann scr 5-5-20.m	**Operator**	Anne Nord
Sample Position	P3-A4	**Comment**	
Injection Volume	5		
Acq. Date-Time	11/16/2021 5:26:55 PM		
Sample Info.			

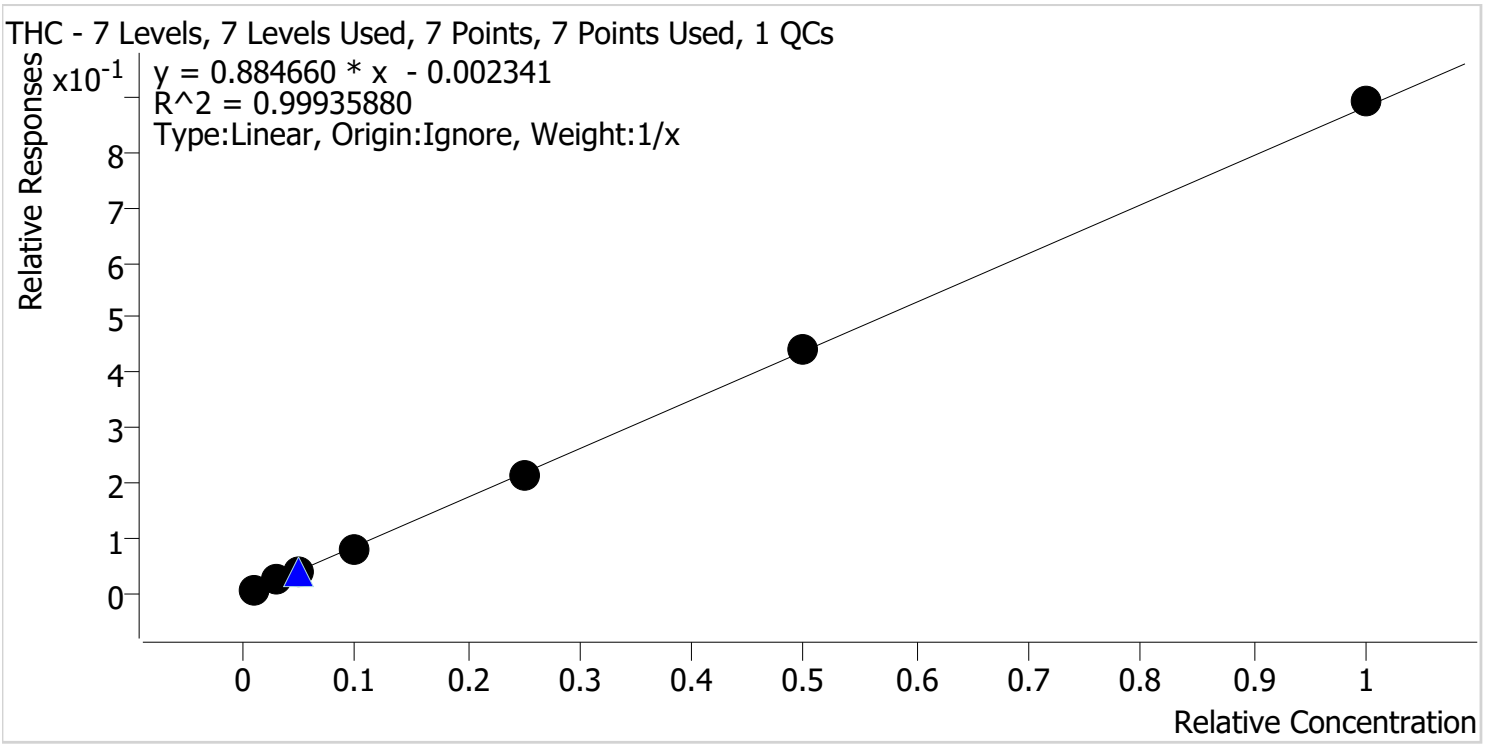
Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	4.084	126153	842783	17.185 ng/ml
THC-COOH	3.592	232952	443740	42.249 ng/ml
THC-OH	3.679	305349	3093524	57.247 ng/ml

Compound Calibration Report

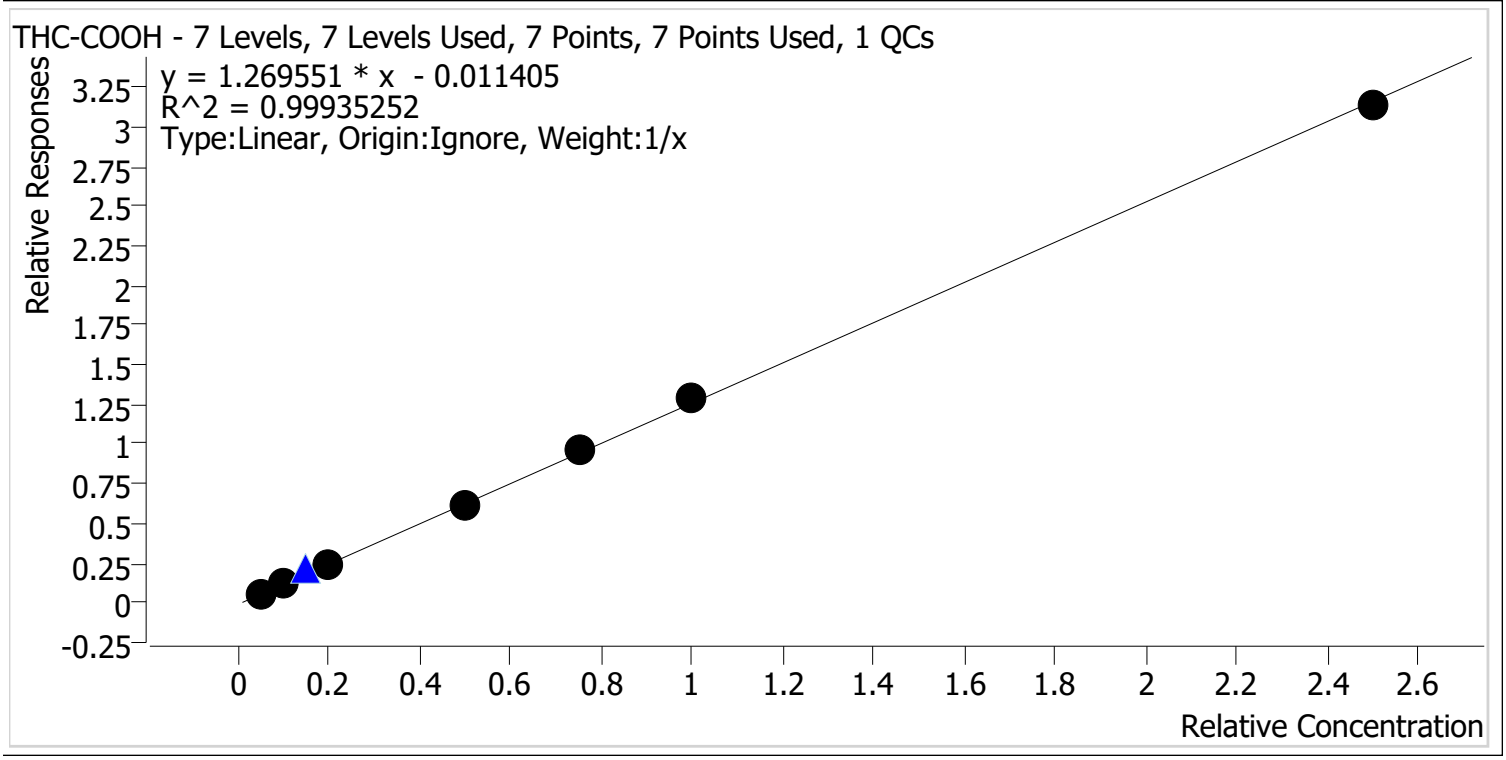
Batch results	D:\MassHunter\Data\2021\am 25-26\111621\QuantResults\cann.batch.bin
Last Cal. Update	11/17/2021 7:34 AM
Analyst Name	ISP\datastor
Analyte	THC
Internal Standard	THC-d3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1	1	✔	1.0	1.1	111.2
cal 2	2	✔	3.0	3.0	99.5
cal 3	3	✔	5.0	4.9	98.0
cal 4	4	✔	10.0	9.2	91.7
cal 5	5	✔	25.0	24.5	98.0
cal-6	6	✔	50.0	50.3	100.5
cal-7	7	✔	100.0	101.1	101.1

Compound Calibration Report

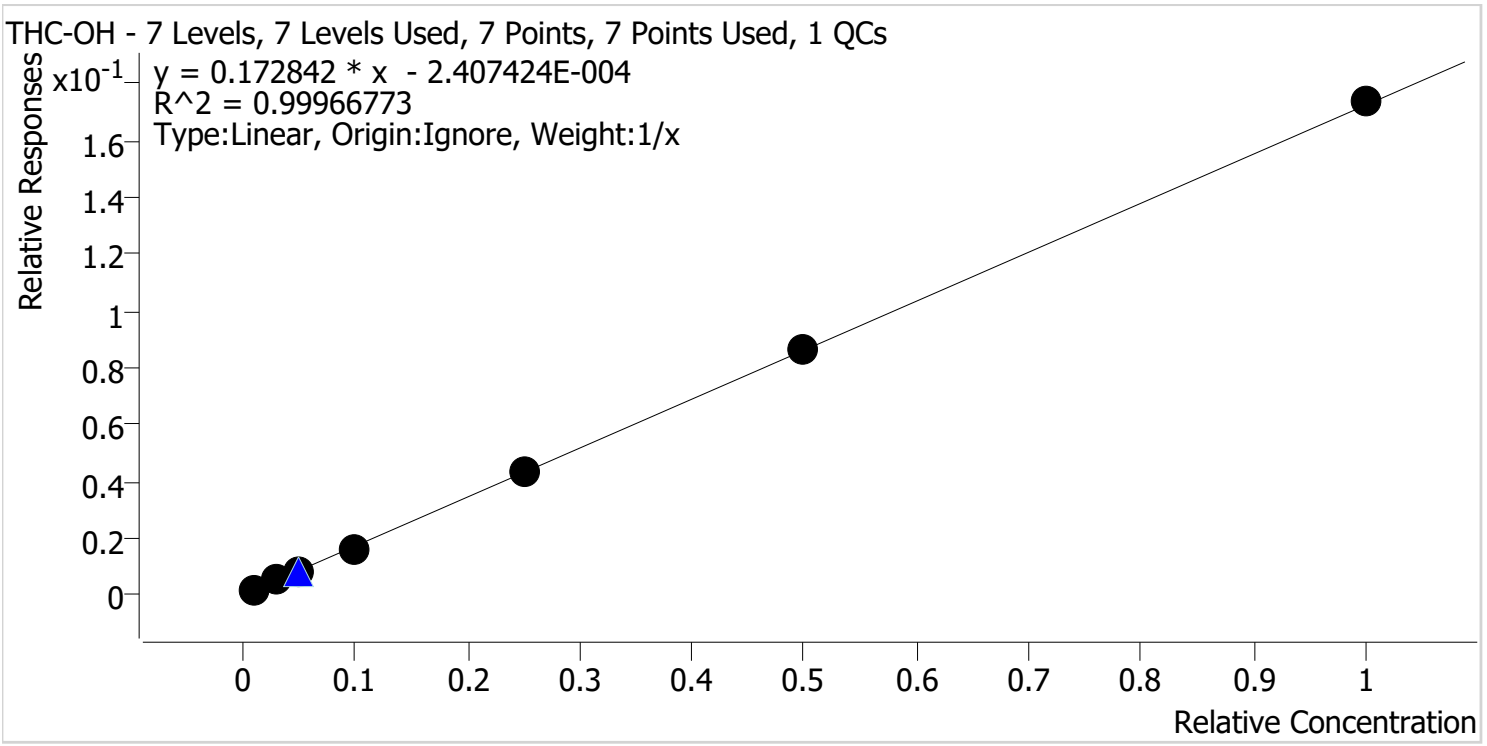
Batch results	D:\MassHunter\Data\2021\am 25-26\111621\QuantResults\cann.batch.bin
Last Cal. Update	11/17/2021 7:34 AM
Analyst Name	ISP\datastor
Analyte	THC-COOH
Internal Standard	THC-COOH-d9



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1	1	✔	5.0	5.2	104.8
cal 2	2	✔	10.0	9.8	98.3
cal 3	3	✔	20.0	19.1	95.5
cal 4	4	✔	50.0	48.4	96.9
cal 5	5	✔	75.0	77.6	103.4
cal-6	6	✔	100.0	102.0	102.0
cal-7	7	✔	250.0	247.8	99.1

Compound Calibration Report

Batch results	D:\MassHunter\Data\2021\am 25-26\111621\QuantResults\cann.batch.bin
Last Cal. Update	11/17/2021 7:34 AM
Analyst Name	ISP\datastor
Analyte	THC-OH
Internal Standard	THC-OH-d3



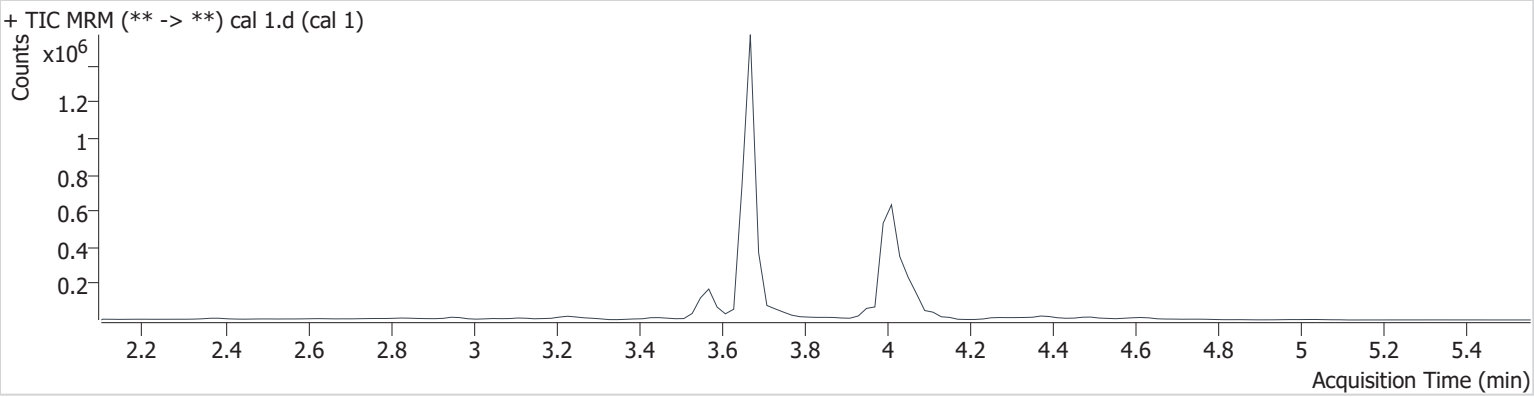
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1	1	✔	1.0	1.1	110.0
cal 2	2	✔	3.0	3.0	99.0
cal 3	3	✔	5.0	4.8	96.1
cal 4	4	✔	10.0	9.4	94.4
cal 5	5	✔	25.0	24.9	99.5
cal-6	6	✔	50.0	50.1	100.2
cal-7	7	✔	100.0	100.7	100.7

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2021\am 25-26\111621\QuantResults\cann.batch.bin
Calibration Last Update 11/17/2021 7:34:14 AM

Instrument	69679	**Data File**	cal 1.d
Type	Cal	**Sample**	cal 1
Acq. Method	am 26 cann scr 5-5-20.m	**Operator**	Anne Nord
Sample Position	P3-A1	**Comment**	
Injection Volume	5		
Acq. Date-Time	11/16/2021 2:08:56 PM		
Sample Info.			

Sample Chromatogram



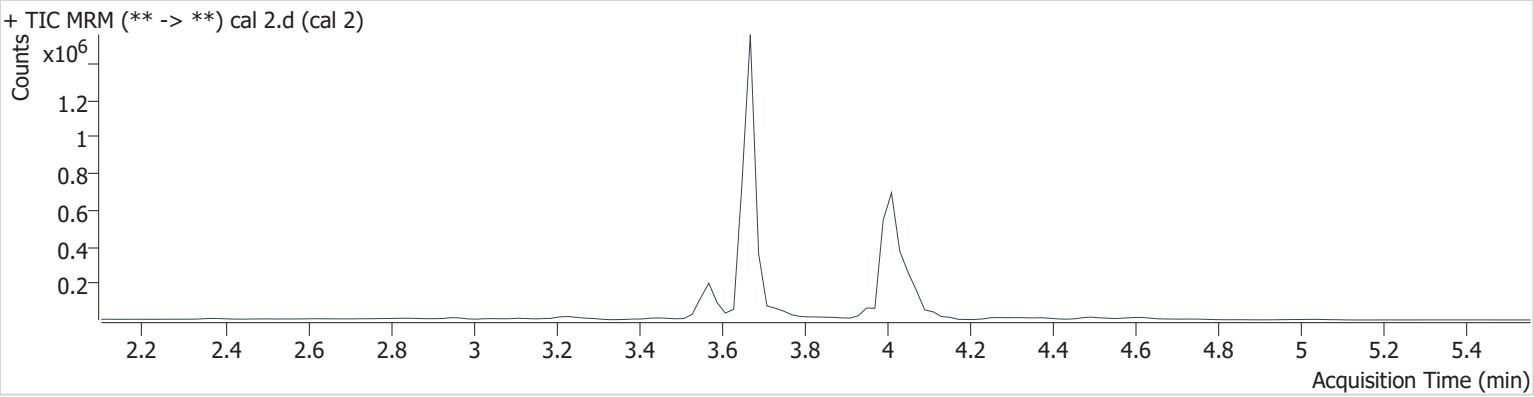
Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	4.064	2495	332793	1.112 ng/ml **Low**
THC-COOH	3.572	21279	386071	5.240 ng/ml **Low**
THC-OH	3.679	5576	3356242	1.100 ng/ml **Low**

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2021\am 25-26\111621\QuantResults\cann.batch.bin
Calibration Last Update 11/17/2021 7:34:14 AM

Instrument	69679	**Data File**	cal 2.d
Type	Cal	**Sample**	cal 2
Acq. Method	am 26 cann scr 5-5-20.m	**Operator**	Anne Nord
Sample Position	P3-B1	**Comment**	
Injection Volume	5		
Acq. Date-Time	11/16/2021 2:15:34 PM		
Sample Info.			

Sample Chromatogram



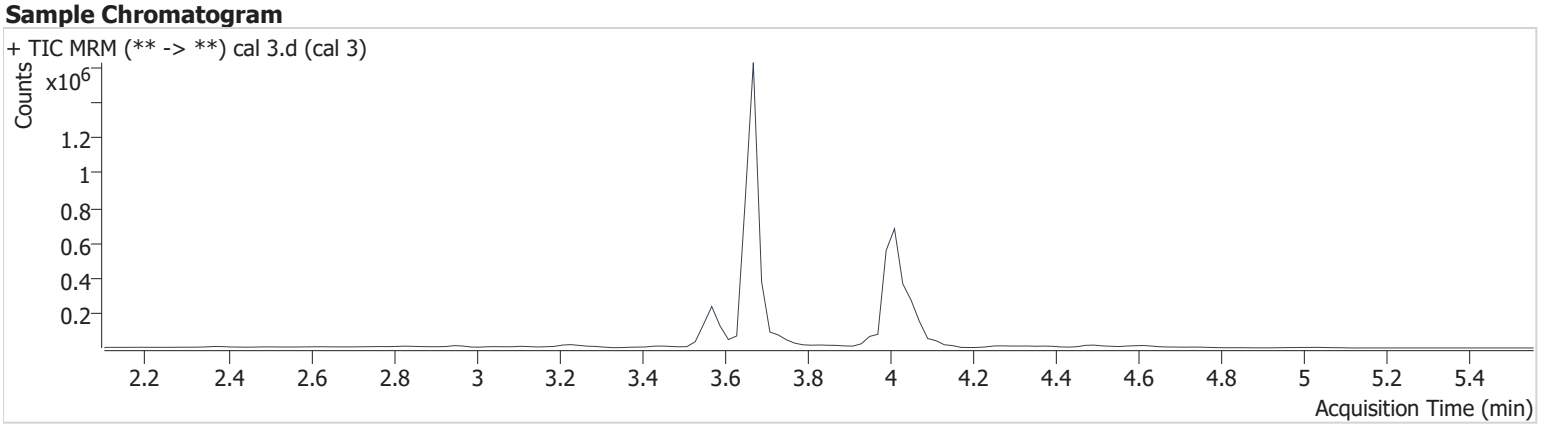
Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	4.064	8934	371253	2.985 ng/ml **Low**
THC-COOH	3.572	45412	400572	9.828 ng/ml **Low**
THC-OH	3.679	15893	3249218	2.969 ng/ml **Low**

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2021\am 25-26\111621\QuantResults\cann.batch.bin
Calibration Last Update 11/17/2021 7:34:14 AM

Instrument	69679	**Data File**	cal 3.d
Type	Cal	**Sample**	cal 3
Acq. Method	am 26 cann scr 5-5-20.m	**Operator**	Anne Nord
Sample Position	P3-C1	**Comment**	
Injection Volume	5		
Acq. Date-Time	11/16/2021 2:22:10 PM		
Sample Info.			

Sample Chromatogram



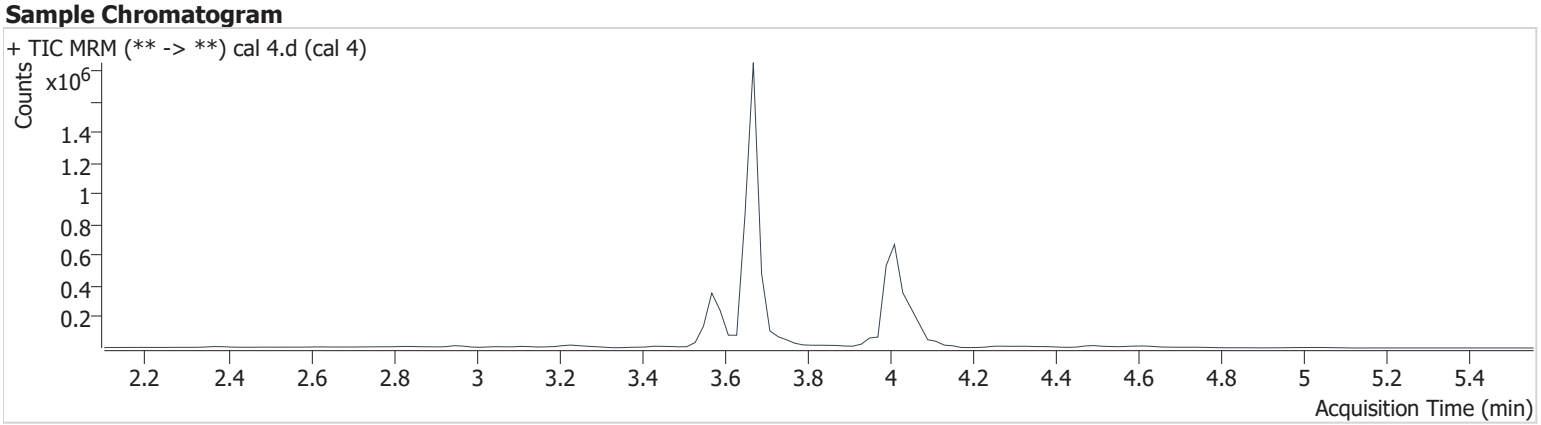
Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	4.064	15456	376967	4.899 ng/ml
THC-COOH	3.572	91744	397107	19.096 ng/ml
THC-OH	3.679	27125	3361749	4.807 ng/ml

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2021\am 25-26\111621\QuantResults\cann.batch.bin
Calibration Last Update 11/17/2021 7:34:14 AM

Instrument	69679	**Data File**	cal 4.d
Type	Cal	**Sample**	cal 4
Acq. Method	am 26 cann scr 5-5-20.m	**Operator**	Anne Nord
Sample Position	P3-D1	**Comment**	
Injection Volume	5		
Acq. Date-Time	11/16/2021 2:28:46 PM		
Sample Info.			

Sample Chromatogram



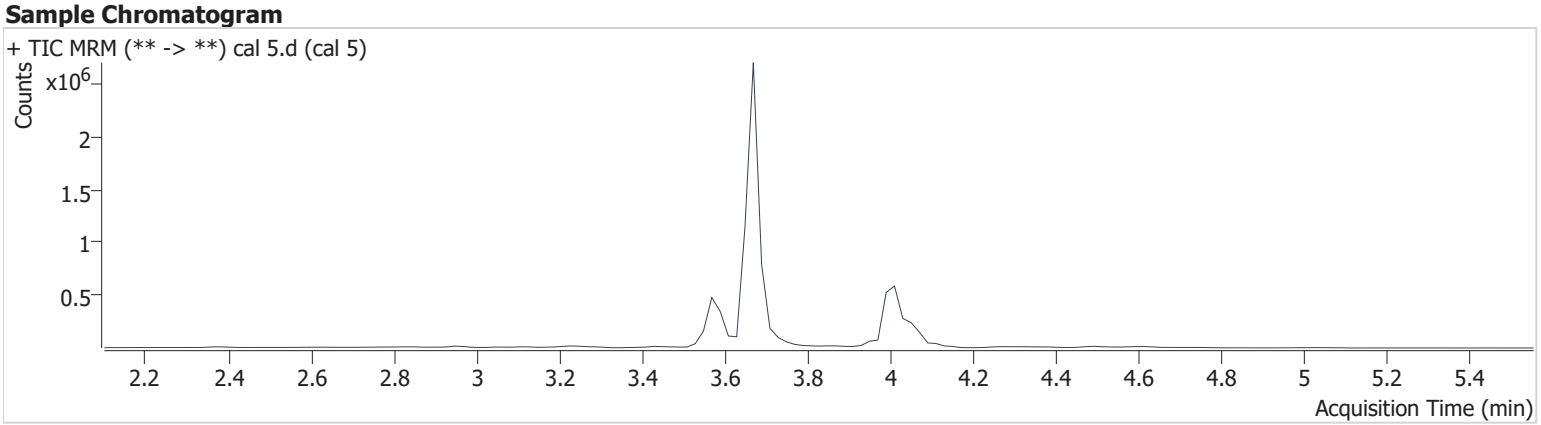
Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	4.064	27532	349412	9.172 ng/ml
THC-COOH	3.572	234025	387703	48.444 ng/ml
THC-OH	3.679	56336	3505287	9.438 ng/ml

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2021\am 25-26\111621\QuantResults\cann.batch.bin
Calibration Last Update 11/17/2021 7:34:14 AM

Instrument	69679	**Data File**	cal 5.d
Type	Cal	**Sample**	cal 5
Acq. Method	am 26 cann scr 5-5-20.m	**Operator**	Anne Nord
Sample Position	P3-E1	**Comment**	
Injection Volume	5		
Acq. Date-Time	11/16/2021 2:35:22 PM		
Sample Info.			

Sample Chromatogram



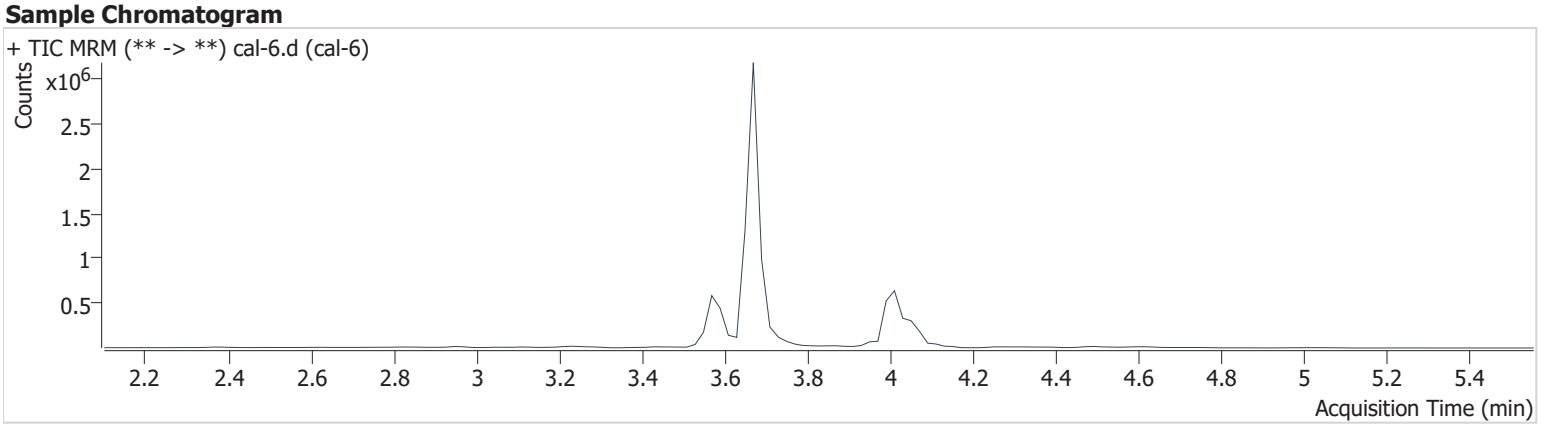
Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	4.064	61344	286107	24.501 ng/ml
THC-COOH	3.572	387299	397843	77.579 ng/ml
THC-OH	3.679	180718	4224903	24.887 ng/ml

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2021\am 25-26\111621\QuantResults\cann.batch.bin
Calibration Last Update 11/17/2021 7:34:14 AM

Instrument	69679	**Data File**	cal-6.d
Type	Cal	**Sample**	cal-6
Acq. Method	am 26 cann scr 5-5-20.m	**Operator**	Anne Nord
Sample Position	P3-F1	**Comment**	
Injection Volume	5		
Acq. Date-Time	11/16/2021 2:41:58 PM		
Sample Info.			

Sample Chromatogram



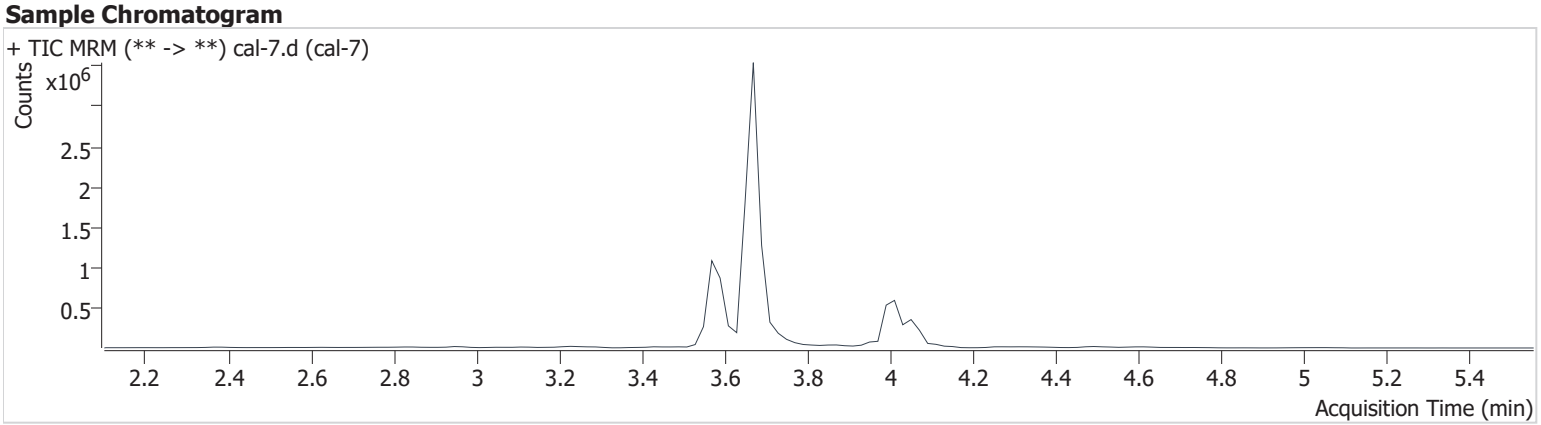
Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	4.064	138092	312186	50.266 ng/ml
THC-COOH	3.572	513172	399880	101.983 ng/ml
THC-OH	3.679	335574	3885300	50.110 ng/ml

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2021\am 25-26\111621\QuantResults\cann.batch.bin
Calibration Last Update 11/17/2021 7:34:14 AM

Instrument	69679	**Data File**	cal-7.d
Type	Cal	**Sample**	cal-7
Acq. Method	am 26 cann scr 5-5-20.m	**Operator**	Anne Nord
Sample Position	P3-G1	**Comment**	
Injection Volume	5		
Acq. Date-Time	11/16/2021 2:48:34 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	4.064	250232	280609	101.066 ng/ml
THC-COOH	3.572	1147755	366118	247.830 ng/ml
THC-OH	3.679	630951	3630501	100.688 ng/ml