

**REVIEWED**  
By Tamara Salazar at 11:42 am, Oct 24, 2019

10/23/2019



**Worklist: 3766**

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
C2019-1900	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
C2019-1900	2	BLOOD	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
C2019-1900	3	BLOOD	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
C2019-1939	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
C2019-1958	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
C2019-1967	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
C2019-1968	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
C2019-1969	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
C2019-1970	2	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
C2019-1973	1	AVK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
C2019-1976	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
C2019-1979	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
C2019-1980	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
C2019-1989	6	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

BWylee

Extraction Date: 10/21/19

Analyst: Britany Wylie

Plate lot#: 0543908

Plate Expiration: November 28 2019

**Mobile phase A:** 10mM Amm Form  
0.5M Ammonium Hydroxide

**Blank Blood Lot:** 19H52275-1

**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. *Shaker ID: 66759*
- 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 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 100% 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 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: [Click here to enter text.](#)

*BWylee*

Toxicology AM method 25 blood external prep information

working solution 10000 ng/ml in meoh Hydromorphone, Hydrocodone, Nortriptyline, Sertraline  
Stock solution 1mg/ml 100 ul each in 9600ul meOH

ppd 5/20/19: Exp: 5/20/20 lot 52020 by baw

Drug	lot	expiration
Hydromorphone	FE04101502	6/1/2020
Hydrocodone	FE09091505	9/1/2020
nortriptyline	FN06191503	8/1/2020
sertraline	FN01081501	3/1/2020

AM 25 control 100 ul working solution (52020) in 9900 ul neg blood

ppd 5/20/19, exp 3/1/20 lot 52019 neg blood lot 19A207P3 by BAW

Concentration 100ng/ml hydrocodone, nortriptyline, sertraline, hydromorphone

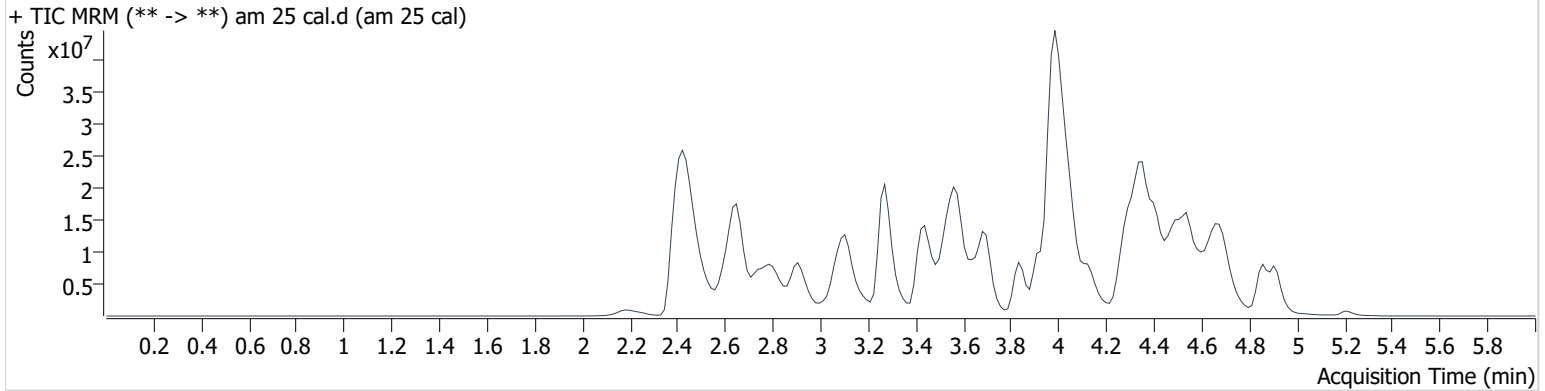
# AM #25 Multi-Drug Screen Results

*Bylye*

**Batch results** D:\MassHunter\Data\2019\am 25-26\102119\QuantResults\AM 25 WORKLIST 3766.batch.bin  
**Calibration Last Update** 10/22/2019 10:30:40 PM

<b>Instrument</b>	69679	<b>Data File</b>	am 25 cal.d
<b>Type</b>	Cal	<b>Sample</b>	am 25 cal
<b>Acq. Method</b>	am 25 short.m	<b>Operator</b>	Britany Wylie
<b>Sample Position</b>	P2-A1	<b>Comment</b>	
<b>Injection Volume</b>	2.5		
<b>Acq. Date-Time</b>	10/21/2019 1:45:48 PM		

**Sample Chromatogram**



Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
6-MAM	3.009	59958	23467.0	41291.7	1567559	10.000
7-aminoclonazepam	3.289	389184	206.8	180870.8	1608482	10.000
7-aminoflunitrazepam	3.517	1605155	982.8	513.7	9251177	10.000
Acetyl Fentanyl	4.276	444723	140.3	1003.6	28134062	10.000
Acetyl Norfentanyl	2.624	287044	476.5	323.0	14584141	10.000
a-hydroxyalprazolam	4.306	88216	266.5	74.4	496065	10.000
alpha-hydroxymidazolam	4.396	1405802	775.7	1129.1	10010639	10.000
alpha-PVP	3.660	4021513	4906.5	762.6	15975563	10.000
Alprazolam	4.416	1230210	562.7	743.2	4087634	10.000
Amitriptyline	4.652	1678601	73.5	97.7	7696938	10.000
Amphetamine	2.659	2770291	520.2	600.7	7105972	10.000
Benzoyllecgonine	3.044	754312	1152.8	568.5	3593871	10.000
Buprenorphine	5.220	409356	439.0	713.6	1911920	10.000
Bupropion	3.980	2060388	522.9	900.4	13263590	10.000
Carbamazepine	3.996	3684788	∞	149.5	18692092	10.000
Carisprodol	3.991	504521	1155.6	116.6	2825954	10.000
Chlordiazepoxide	4.557	370346	87.1	184.8	7742928	10.000
Chlorpheniramine	3.960	11144	70.5	∞	44338503	10.000
Citalopram	4.075	3192472	718.7	2461.3	14445611	10.000
Clonazepam	4.245	279424	444.2	1295.6	465462	10.000
Cocaine	3.604	5152178	12271.2	312.5	25846405	10.000
Codeine	2.936	433586	911.4	3271.7	1969285	10.000
Cyclobenzaprine	4.514	3674547	769818.8	155.8	14075940	10.000
Desipramine	4.423	5269522	364.6	480.9	27247425	10.000
Dextromethorphan	4.145	2542059	238.2	354.3	12268477	10.000
Dextrorphan	3.306	2267429	355.0	2426.1	11969078	10.000
Diazepam	4.681	731495	772.3	806.6	3162014	10.000
Dihydrocodeine	2.663	1130290	260.4	264.8	5987228	10.000
Diphenhydramine	4.054	9682262	1517.1	1636.0	44338503	10.000
Doxepin	4.327	2082571	109.3	10.3	11384874	10.000
Doxylamine	3.548	9873633	871.3	38178.3	39308683	10.000
EDDP	3.989	5305105	2178.1	146.4	29802556	10.000
Estazolam	4.311	2191231	611.2	4051.5	5501963	10.000
Etizolam	4.427	141215	1247.9	865164.1	5501963	10.000

am 25 cal

# AM #25 Multi-Drug Screen Results

*Bylee*

Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
Fentanyl	4.520	378087	102.4	1914.1	17697837	10.000
Flunitrazepam	4.369	1096996	841.6	1081.4	196425	10.000
Fluoxetine	4.309	3732976	1140.7	495.3	15774746	10.000
Flurazepam	4.519	3273984	1180263.1	2809.7	196425	10.000
Hydrocodone	3.225	1198499	397.8	339.5	7468198	10.000
Hydromorphone	2.486	1081958	522.9	183.2	2665937	10.000
Imipramine	4.574	6482859	1106.3	754.0	23100181	10.000
Ketamine	3.949	2321744	1189.2	244.9	13936093	10.000
Lamotrigine	3.383	283726	477.2	367.6	12371992	10.000
Levamisole	3.096	3040755	284.0	218.0	25846405	10.000
Lorazepam	4.229	38331	2808.7	94.6	4087634	10.000
Maprotiline	4.437	527455	11.1	119.3	7696938	10.000
MDA	2.823	2350423	911.0	486.6	10759640	10.000
MDEA	3.080	4618662	1179.9	775.8	20693557	10.000
MDMA	2.929	5216141	1488.6	485.6	2888346	10.000
Meperidine	3.657	2684665	468.2	648.3	12371992	10.000
Meprobamate	3.371	341327	462.7	117.5	1496878	10.000
Methadone	4.370	6626028	1460.4	164.6	29484930	10.000
Methamphetamine	2.780	4484480	186.9	137.9	17718031	10.000
Methocarbamol	3.262	149179	272.3	277.1	12371992	10.000
Methylphenidate	3.445	9165655	7181.6	2382.7	38275118	10.000
Metoprolol	3.259	576679	6276.9	285610.4	12371992	10.000
Midazolam	4.598	671439	1114.4	853.8	8915301	10.000
Mirtazapine	4.484	2831901	1357.4	1343.7	12371992	10.000
Mitragynine	4.548	499434	115457.1	664.5	11384874	10.000
Morphine	2.261	303590	1462.2	246.6	262527	10.000
Norbuprenorphine	3.861	67026	193.2	23108.4	344842	10.000
Nordiazepam	4.515	304322	376.7	77.4	931273	10.000
Norfentanyl	3.125	5283512	64584.5	909.1	21971087	10.000
Norhydrocodone	2.788	51136	53.7	31.6	1608151	10.000
Normeperidine	3.476	2533415	1324.8	1059.4	9671043	10.000
Noroxycodone	2.693	1123812	81.8	108.2	3816569	10.000
Nortriptyline	4.469	2153189	2060.5	539.4	5160728	10.000
O-desmethyl-tramadol	2.669	7267955	∞	518.3	34704217	10.000
Olanzapine	4.154	733483	141.8	116.0	96012	10.000
Oxazepam	4.311	129461	63.7	28.4	646208	10.000
Oxycodone	2.888	2275213	362.7	382.8	9808049	10.000
Oxymorphone	2.193	988329	182.8	70.9	3643754	10.000
Paroxetine	4.474	447259	52.9	161.2	10205283	10.000
Phenazepam	4.458	422619	234099.9	965.2	1622914	10.000
Phencyclidine	3.856	4476186	∞	576.0	21905286	10.000
Penthermine	2.932	1542095	279.0	42.3	13802600	10.000
Phenytoin	3.886	14697	2847.5	25.9	96012	10.000
Promethazine	4.681	8035036	417.0	260.4	34938126	10.000
Pseudoephedrine	2.429	49452928	5751.4	∞	129127683	10.000
Quetiapine	4.687	4643685	5551.3	2405.9	6396429	10.000
Sertraline	4.710	2251809	277.6	256.5	10205283	10.000
Sufentanil	4.918	364799	1619.1	283.6	19216093	10.000
Tapentadol	3.278	3738192	3429.5	2276.0	18668768	10.000
Temazepam	4.479	953869	443.2	53.2	4287614	10.000
Tramadol	3.290	6372355	4817.8	66.6	33159767	10.000
Trazodone	4.873	4793685	921.6	10326.0	19672823	10.000
Venlafaxine	3.699	6605492	3632.3	588.3	31429387	10.000
Zaleplon	4.125	1271702	210.3	694.3	3706876	10.000
Zolpidem	4.340	7404907	27952.0	1126.4	32598408	10.000
Zopiclone	4.349	330824	559.5	3157.1	1504976	10.000

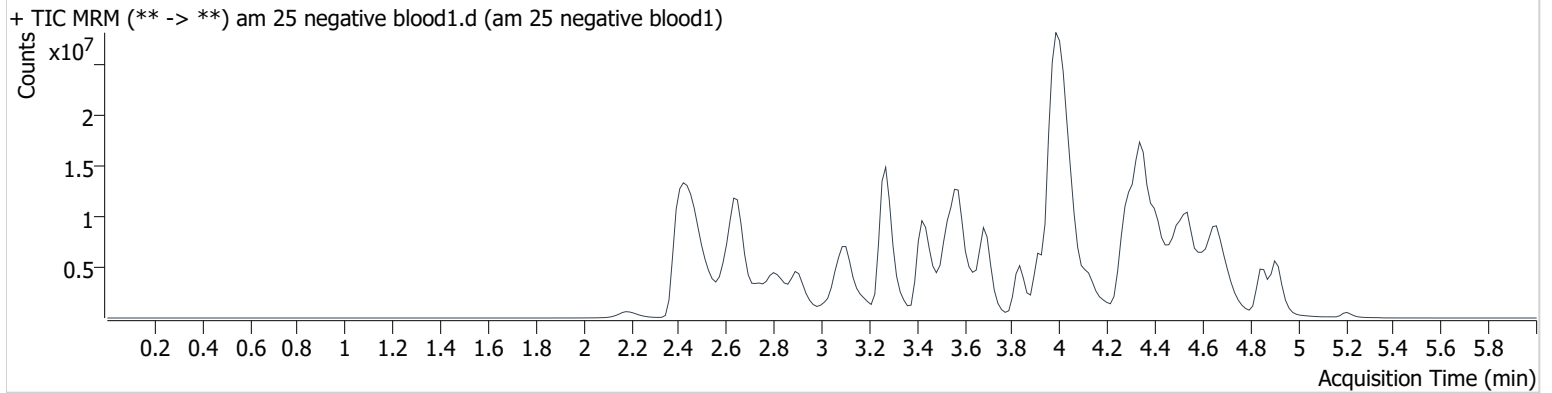
*Wylie*

# AM #25 Multi-Drug Screen Results

**Batch results** D:\MassHunter\Data\2019\am 25-26\102119\QuantResults\AM 25 WORKLIST 3766.batch.bin  
**Calibration Last Update** 10/22/2019 10:30:40 PM

<b>Instrument</b>	69679	<b>Data File</b>	am 25 negative blood1.d
<b>Type</b>	Sample	<b>Sample</b>	am 25 negative blood1
<b>Acq. Method</b>	am 25 short.m	<b>Operator</b>	Britany Wylie
<b>Sample Position</b>	P2-A3	<b>Comment</b>	
<b>Injection Volume</b>	2.5		
<b>Acq. Date-Time</b>	10/21/2019 1:52:59 PM		
<b>Sample Info.</b>			

## Sample Chromatogram



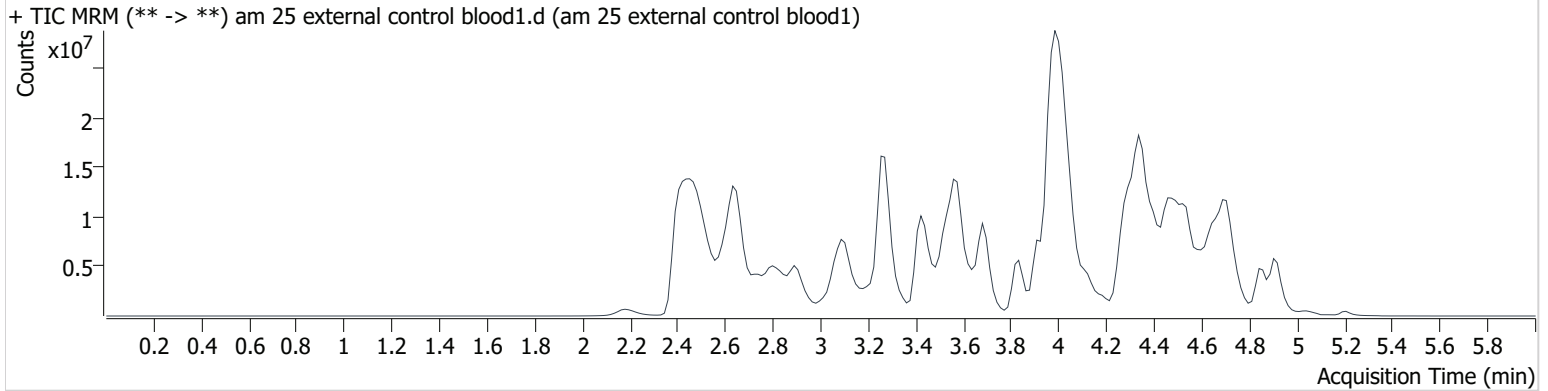
# AM #25 Multi-Drug Screen Results

*Wylie*

**Batch results** D:\MassHunter\Data\2019\am 25-26\102119\QuantResults\AM 25 WORKLIST 3766.batch.bin  
**Calibration Last Update** 10/22/2019 10:30:40 PM

<b>Instrument</b>	69679	<b>Data File</b>	am 25 external control blood1.d
<b>Type</b>	Sample	<b>Sample</b>	am 25 external control blood1
<b>Acq. Method</b>	am 25 short.m	<b>Operator</b>	Britany Wylie
<b>Sample Position</b>	P2-B3	<b>Comment</b>	
<b>Injection Volume</b>	2.5		
<b>Acq. Date-Time</b>	10/21/2019 2:00:08 PM		
<b>Sample Info.</b>			

**Sample Chromatogram**



Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
Hydrocodone	3.225	8121594	1051.7	667.6	5077763	99.666
Hydromorphone	2.486	6226230	1307.6	717.4	2450272	62.611
Nortriptyline	4.469	14094542	1693.4	7636.9	4029567	83.834
Sertraline	4.710	15918033	16574010.1	465.6	8844175	81.569

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

*B. Wylie*

Extraction Date: 10/21/19

Analyst: Britany Wylie

Plate lot#: 190716

Plate Expiration: 01/16/2020

**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:** 445283-2 **Urine Blank:** 8919 **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. Shaker ID: 66759
- 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 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:



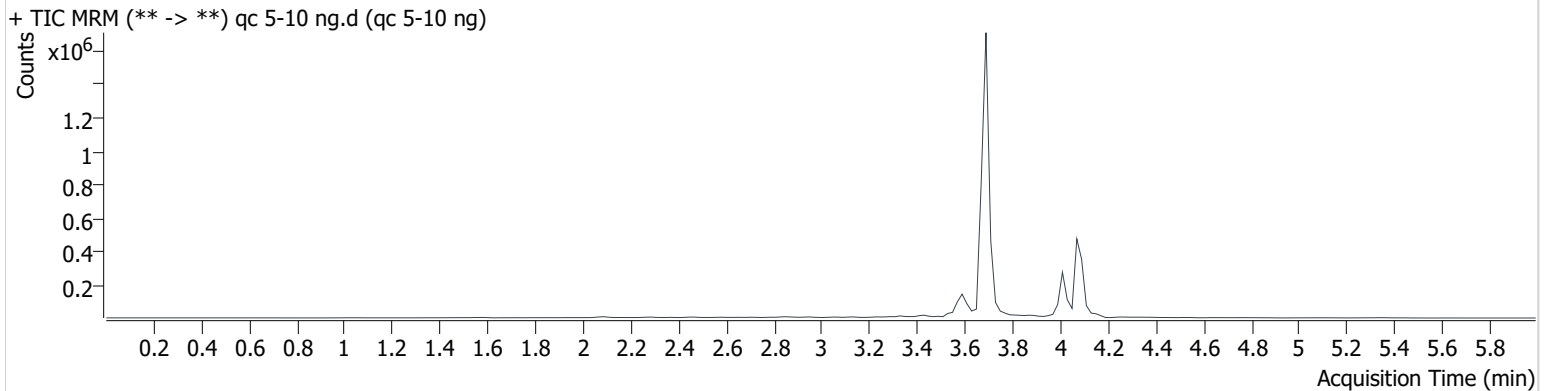
*Wylie*

# AM #26 Cannabinoids Screen Results

**Batch results** D:\MassHunter\Data\2019\am 25-26\102119\QuantResults\AM 26 Worklist 3766.batch.bin  
**Calibration Last Update** 10/21/2019 10:04:56 PM

<b>Instrument</b>	69679	<b>Data File</b>	qc 5-10 ng.d
<b>Type</b>	QC	<b>Sample</b>	qc 5-10 ng
<b>Acq. Method</b>	am 26 cann screen.m	<b>Operator</b>	Britany Wylie
<b>Sample Position</b>	P3-H1	<b>Comment</b>	
<b>Injection Volume</b>	5		
<b>Acq. Date-Time</b>	10/21/2019 5:13:38 PM		

## Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	4.080	69252	997962	4.945 ng/ml
THC-COOH	3.590	53697	310358	13.620 ng/ml
THC-OH	3.696	27553	3586085	4.694 ng/ml

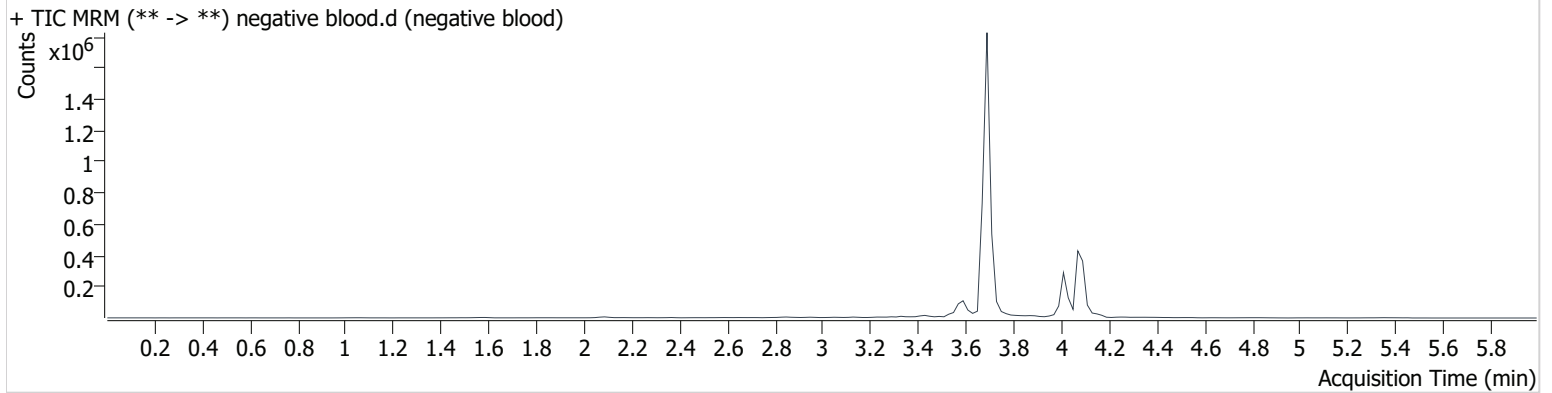
# AM #26 Cannabinoids Screen Results

*B. Wylie*

**Batch results** D:\MassHunter\Data\2019\am 25-26\102119\QuantResults\AM 26 Worklist 3766.batch.bin  
**Calibration Last Update** 10/21/2019 10:04:56 PM

<b>Instrument</b>	69679	<b>Data File</b>	negative blood.d
<b>Type</b>	Sample	<b>Sample</b>	negative blood
<b>Acq. Method</b>	am 26 cann screen.m	<b>Operator</b>	Britany Wylie
<b>Sample Position</b>	P3-A2	<b>Comment</b>	
<b>Injection Volume</b>	5		
<b>Acq. Date-Time</b>	10/21/2019 5:20:16 PM		
<b>Sample Info.</b>			

## Sample Chromatogram

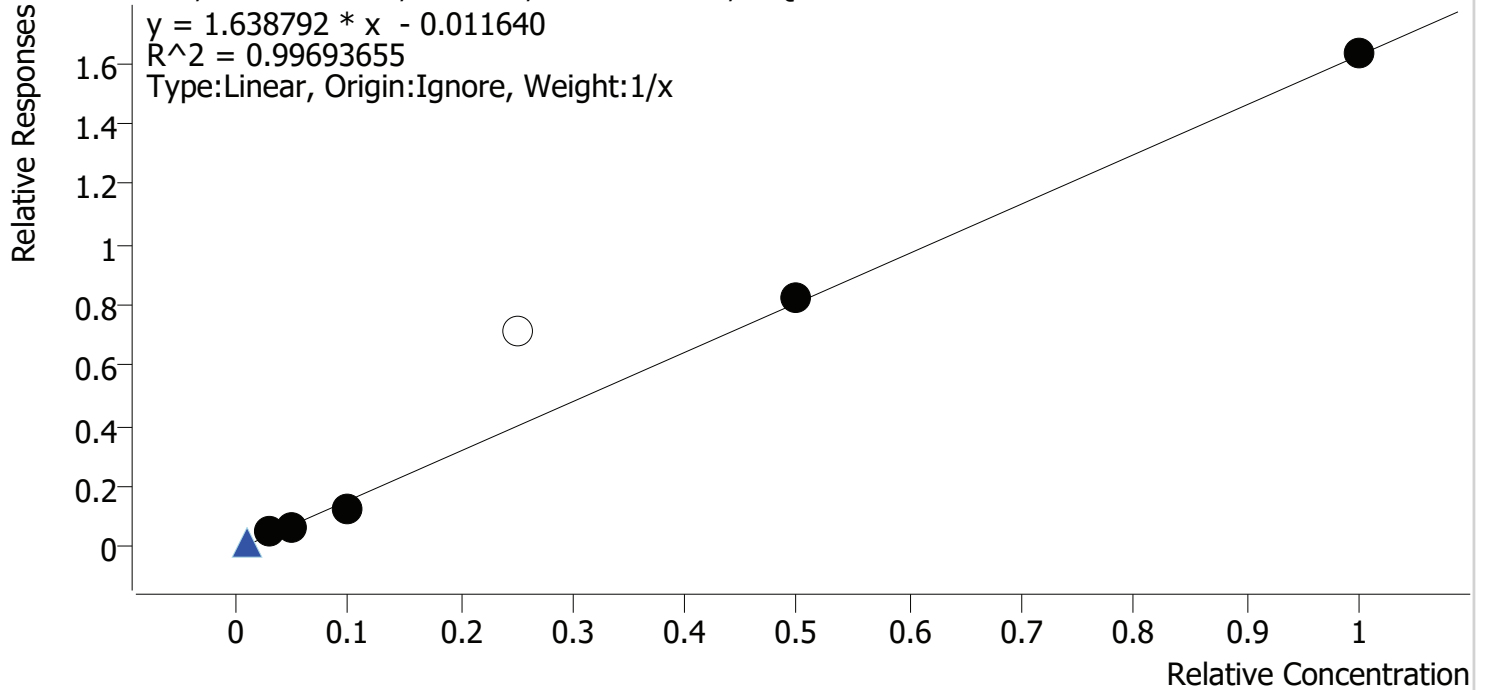


# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2019\am 25-26\102119\QuantResults\AM 26 Worklist 3766.batch.bin  
**Last Cal. Update** 10/21/2019 10:04 PM  
**Analyst Name** ISP\datastor  
**Analyte** THC *Byylee*

**Internal Standard** THC-d3

THC - 6 Levels, 5 Levels Used, 6 Points, 5 Points Used, 1 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 2	2	✓	3.0	3.7	121.9
cal 3	3	✓	5.0	4.5	89.6
cal 4	4	✓	10.0	8.6	86.4
cal 5	5	×	25.0	44.3	177.4
cal-6	6	✓	50.0	50.9	101.7
cal-7	7	✓	100.0	100.4	100.4

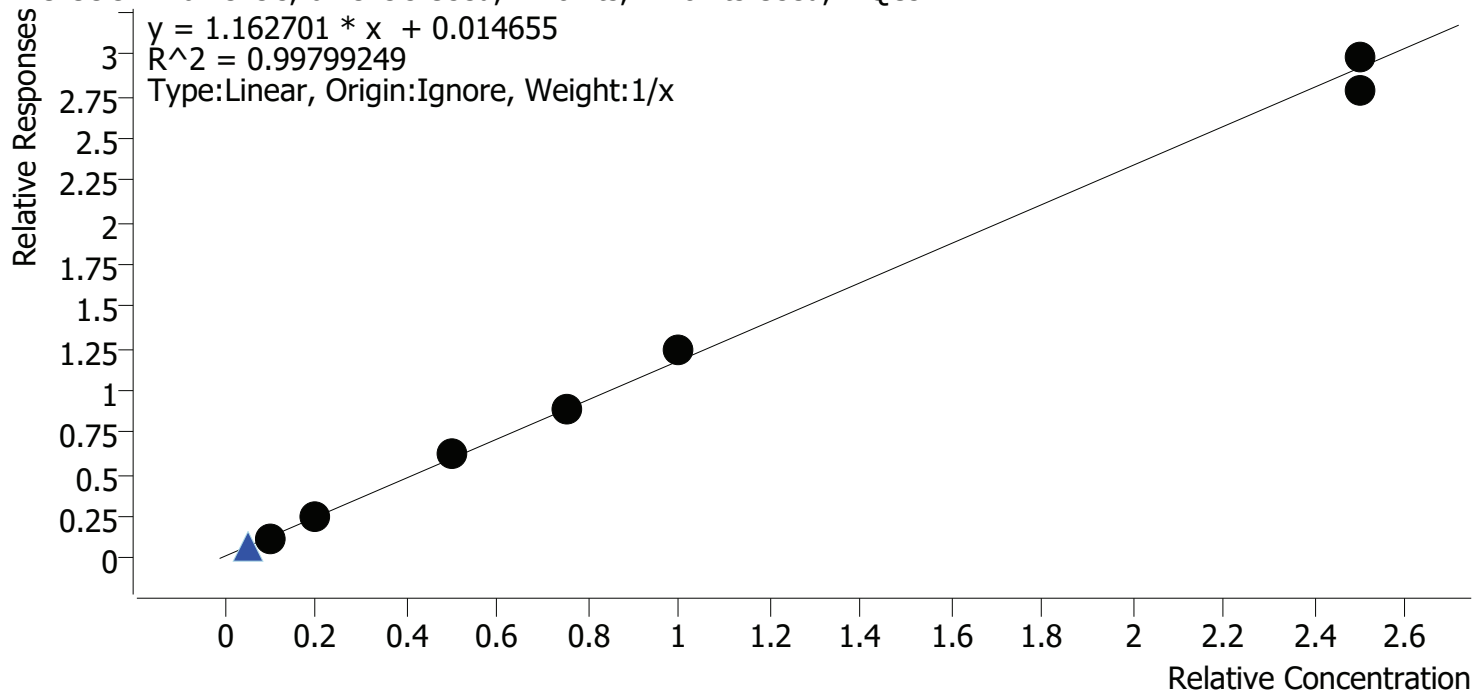
cal 5 removed - top of IS peak cutoff

# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2019\am 25-26\102119\QuantResults\AM 26 Worklist 3766.batch.bin  
**Last Cal. Update** 10/21/2019 10:04 PM  
**Analyst Name** ISP\datastor  
**Analyte** THC-COOH **Internal Standard** THC-COOH-d9

*B. Wyle*

THC-COOH - 6 Levels, 6 Levels Used, 7 Points, 7 Points Used, 1 QCs



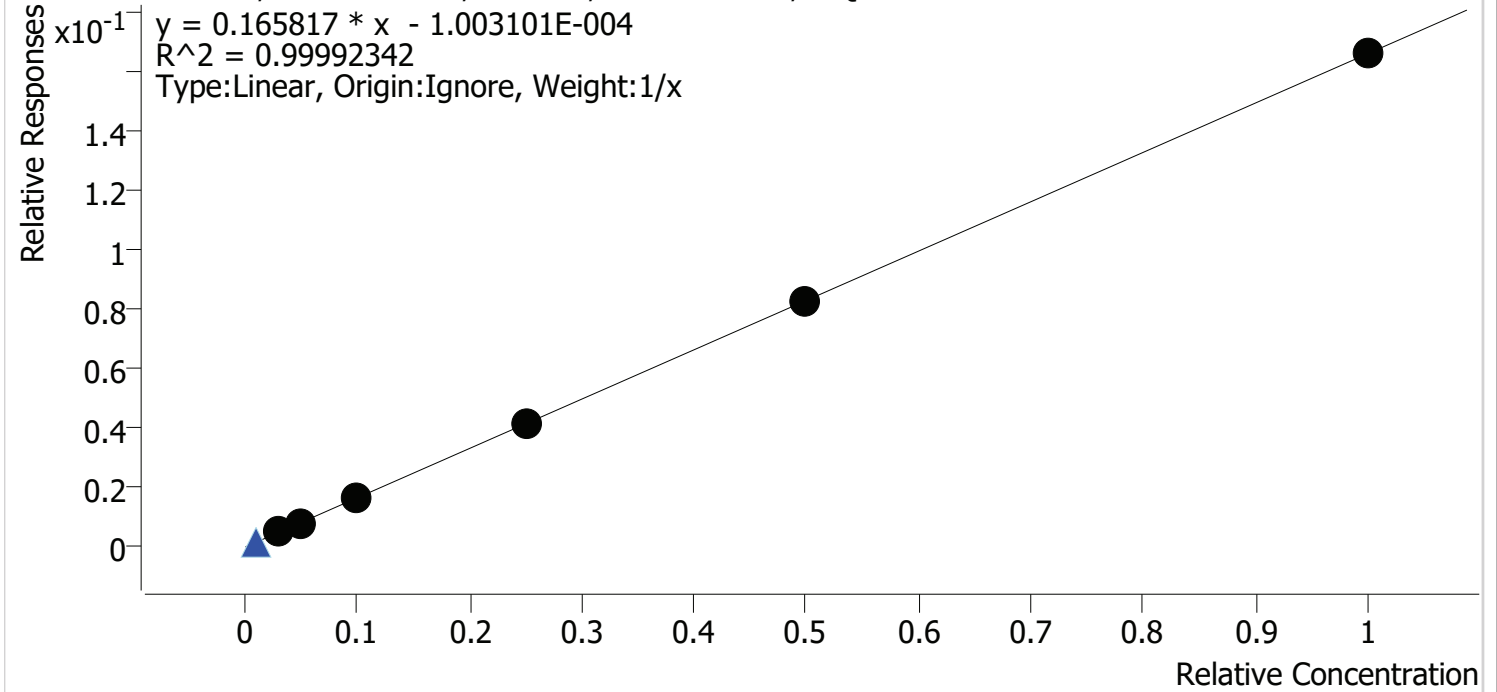
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 2	2	✓	10.0	9.2	92.1
cal 3	3	✓	20.0	20.3	101.6
cal 4	4	✓	50.0	51.7	103.5
cal 5	5	✓	75.0	75.2	100.3
cal-6	6	✓	100.0	105.0	105.0
cal-7	7	✓	250.0	255.1	102.0
carry over test	7	✓	250.0	238.3	95.3

# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2019\am 25-26\102119\QuantResults\AM 26 Worklist 3766.batch.bin  
**Last Cal. Update** 10/21/2019 10:04 PM  
**Analyst Name** ISP\datastor  
**Analyte** THC-OH **Internal Standard** THC-OH-d3

*Byler*

THC-OH - 6 Levels, 6 Levels Used, 6 Points, 6 Points Used, 1 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 2	2	✓	3.0	3.0	99.4
cal 3	3	✓	5.0	4.9	98.0
cal 4	4	✓	10.0	10.3	102.9
cal 5	5	✓	25.0	25.0	99.9
cal-6	6	✓	50.0	49.9	99.7
cal-7	7	✓	100.0	100.0	100.0

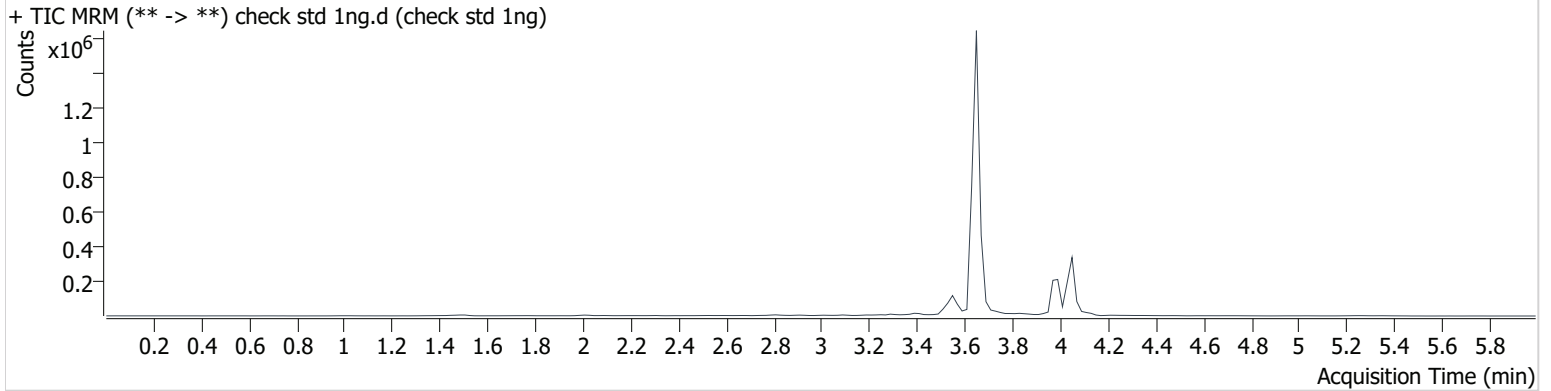
BWylee

# AM #26 Cannabinoids Screen Results

**Batch results** D:\MassHunter\Data\2019\am 25-26\102119\QuantResults\AM 26 Worklist 3766.batch.bin  
**Calibration Last Update** 10/21/2019 10:04:56 PM

<b>Instrument</b>	69679	<b>Data File</b>	check std 1ng.d
<b>Type</b>	QC	<b>Sample</b>	check std 1ng
<b>Acq. Method</b>	am 26 cann screen.m	<b>Operator</b>	Britany Wylie
<b>Sample Position</b>	P3-G1	<b>Comment</b>	
<b>Injection Volume</b>	5		
<b>Acq. Date-Time</b>	10/21/2019 4:20:55 PM		
<b>Sample Info.</b>			

## Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.	
THC	4.060	10807	676373	1.685 ng/ml	Low
THC-COOH	3.570	22976	302556	5.271 ng/ml	Low
THC-OH	3.656	6176	3518743	1.119 ng/ml	Low

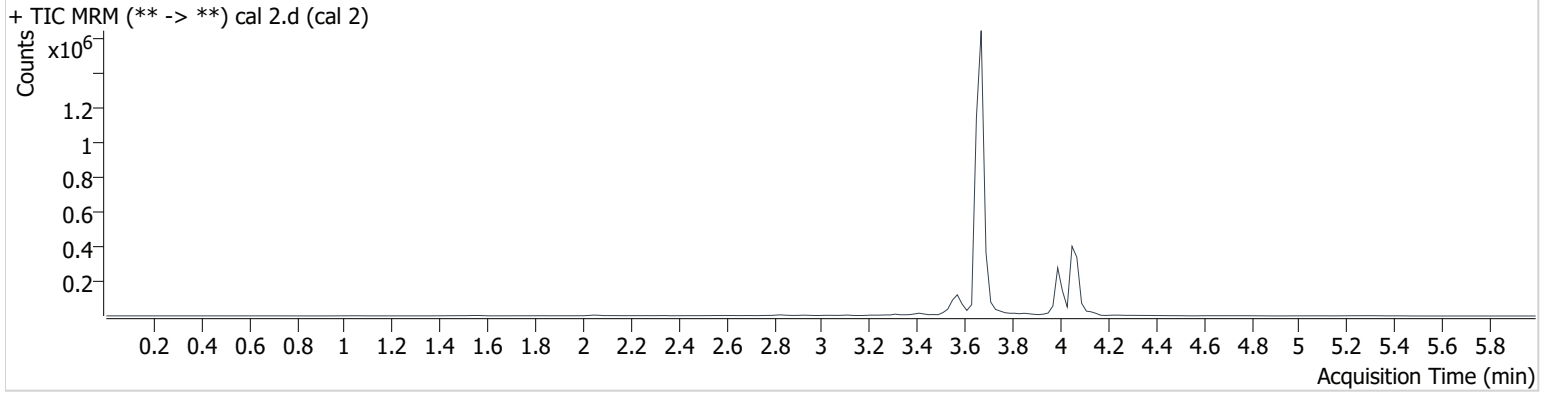
Wylie

# AM #26 Cannabinoids Screen Results

**Batch results** D:\MassHunter\Data\2019\am 25-26\102119\QuantResults\AM 26 Worklist 3766.batch.bin  
**Calibration Last Update** 10/21/2019 10:04:56 PM

<b>Instrument</b>	69679	<b>Data File</b>	cal 2.d
<b>Type</b>	Cal	<b>Sample</b>	cal 2
<b>Acq. Method</b>	am 26 cann screen.m	<b>Operator</b>	Britany Wylie
<b>Sample Position</b>	P3-F1	<b>Comment</b>	
<b>Injection Volume</b>	5		
<b>Acq. Date-Time</b>	10/21/2019 4:27:33 PM		
<b>Sample Info.</b>			

## Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.	
THC	4.060	44202	915022	3.658 ng/ml	
THC-COOH	3.570	36805	302194	9.214 ng/ml	Low
THC-OH	3.676	18366	3790387	2.983 ng/ml	Low

*BWylee*

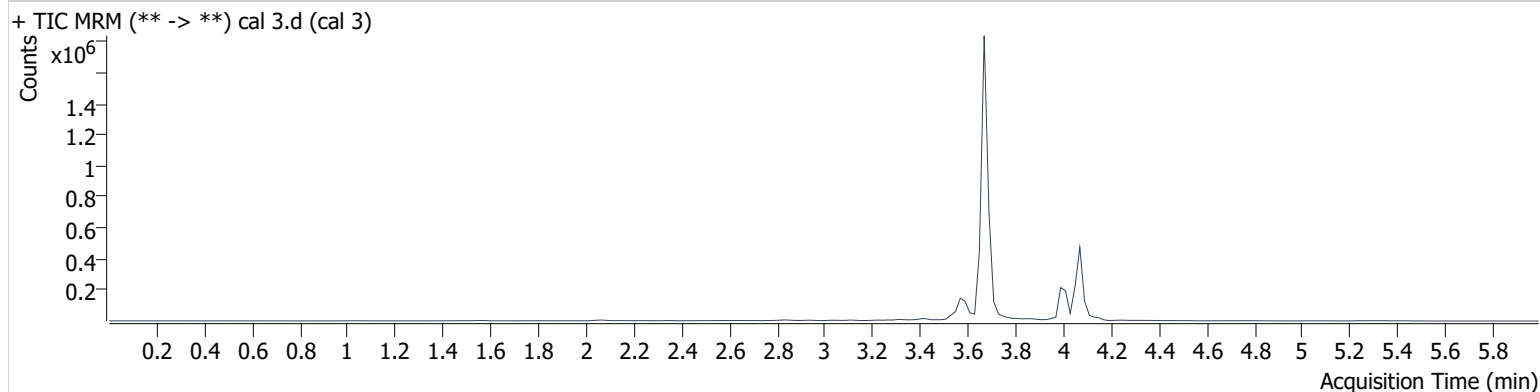
# AM #26 Cannabinoids Screen Results

**Batch results** D:\MassHunter\Data\2019\am 25-26\102119\QuantResults\AM 26 Worklist 3766.batch.bin  
**Calibration Last Update** 10/21/2019 10:04:56 PM

<b>Instrument</b>	69679	<b>Data File</b>	cal 3.d
<b>Type</b>	Cal	<b>Sample</b>	cal 3
<b>Acq. Method</b>	am 26 cann screen.m	<b>Operator</b>	Britany Wylie
<b>Sample Position</b>	P3-E1	<b>Comment</b>	
<b>Injection Volume</b>	5		
<b>Acq. Date-Time</b>	10/21/2019 4:34:09 PM		

**Sample Info.**

## Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	4.080	55719	901823	4.480 ng/ml
THC-COOH	3.590	76815	306024	20.328 ng/ml
THC-OH	3.676	28152	3506911	4.902 ng/ml



Wylie

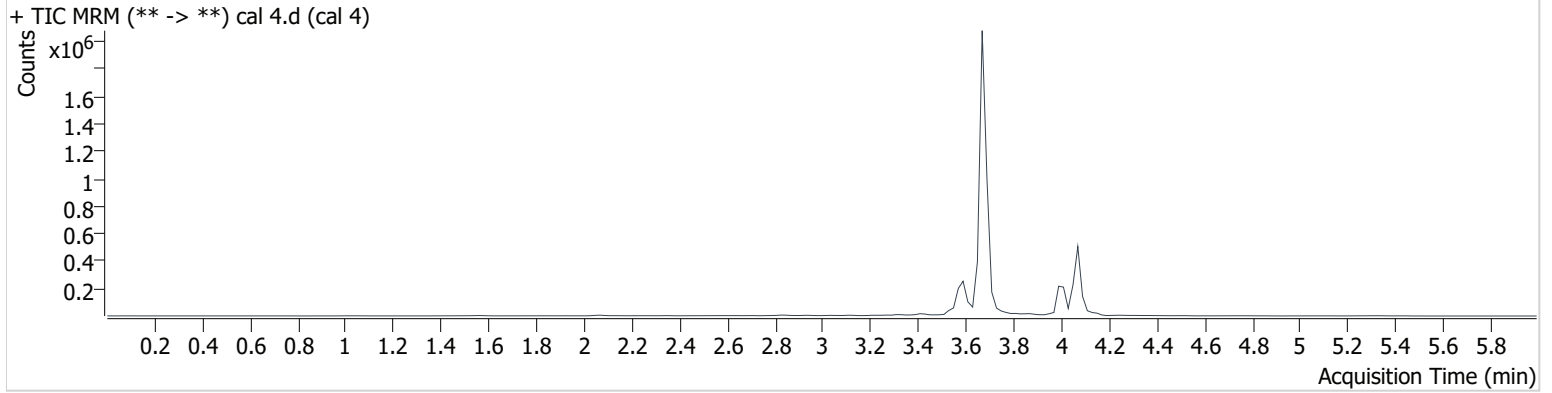
# AM #26 Cannabinoids Screen Results

**Batch results** D:\MassHunter\Data\2019\am 25-26\102119\QuantResults\AM 26 Worklist 3766.batch.bin  
**Calibration Last Update** 10/21/2019 10:04:56 PM

<b>Instrument</b>	69679	<b>Data File</b>	cal 4.d
<b>Type</b>	Cal	<b>Sample</b>	cal 4
<b>Acq. Method</b>	am 26 cann screen.m	<b>Operator</b>	Britany Wylie
<b>Sample Position</b>	P3-D1	<b>Comment</b>	
<b>Injection Volume</b>	5		
<b>Acq. Date-Time</b>	10/21/2019 4:40:44 PM		

**Sample Info.**

## Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	4.080	115672	890492	8.637 ng/ml
THC-COOH	3.590	194666	315892	51.740 ng/ml
THC-OH	3.676	64798	3819974	10.290 ng/ml

# AM #26 Cannabinoids Screen Results

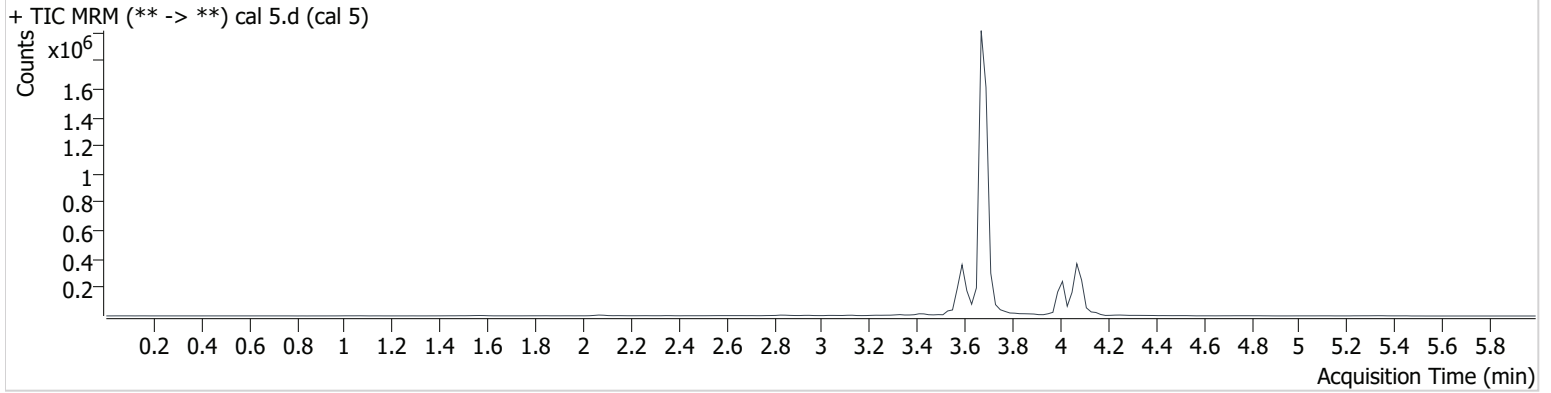
*Wylie*

**Batch results** D:\MassHunter\Data\2019\am 25-26\102119\QuantResults\AM 26 Worklist 3766.batch.bin  
**Calibration Last Update** 10/21/2019 10:04:56 PM

<b>Instrument</b>	69679	<b>Data File</b>	cal 5.d
<b>Type</b>	Cal	<b>Sample</b>	cal 5
<b>Acq. Method</b>	am 26 cann screen.m	<b>Operator</b>	Britany Wylie
<b>Sample Position</b>	P3-C1	<b>Comment</b>	
<b>Injection Volume</b>	5		
<b>Acq. Date-Time</b>	10/21/2019 4:47:20 PM		

**Sample Info.**

## Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	4.080	365283	510877	44.341 ng/ml
THC-COOH	3.590	288407	324203	75.250 ng/ml
THC-OH	3.676	151161	3657444	24.985 ng/ml

# AM #26 Cannabinoids Screen Results

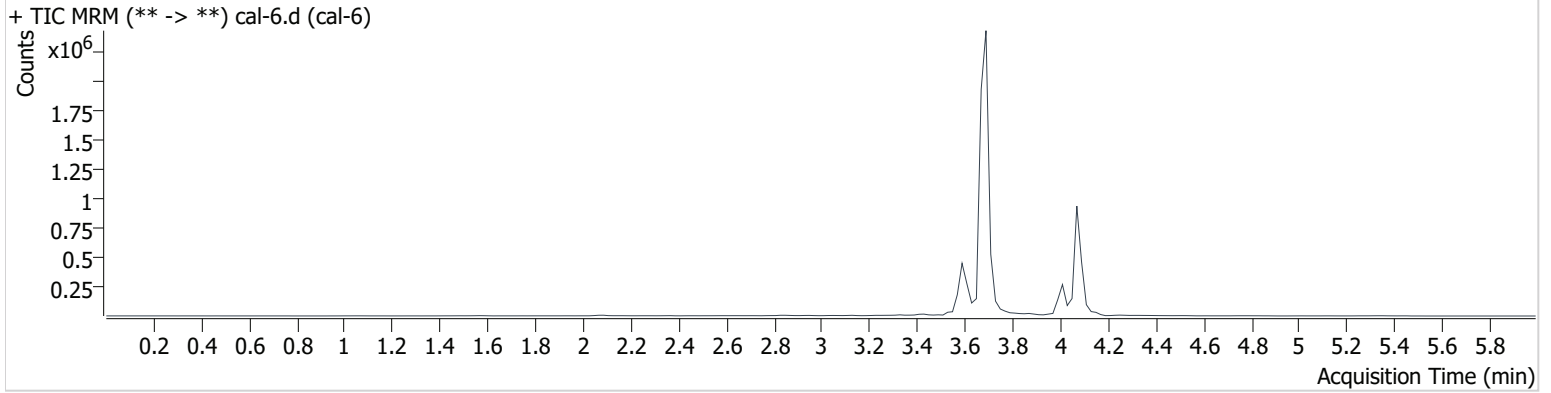
*B. Wylie*

**Batch results** D:\MassHunter\Data\2019\am 25-26\102119\QuantResults\AM 26 Worklist 3766.batch.bin  
**Calibration Last Update** 10/21/2019 10:04:56 PM

<b>Instrument</b>	69679	<b>Data File</b>	cal-6.d
<b>Type</b>	Cal	<b>Sample</b>	cal-6
<b>Acq. Method</b>	am 26 cann screen.m	<b>Operator</b>	Britany Wylie
<b>Sample Position</b>	P3-B1	<b>Comment</b>	
<b>Injection Volume</b>	5		
<b>Acq. Date-Time</b>	10/21/2019 4:53:56 PM		

**Sample Info.**

## Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	4.080	795676	968062	50.865 ng/ml
THC-COOH	3.590	393602	318510	105.023 ng/ml
THC-OH	3.696	287735	3484331	49.862 ng/ml

# AM #26 Cannabinoids Screen Results

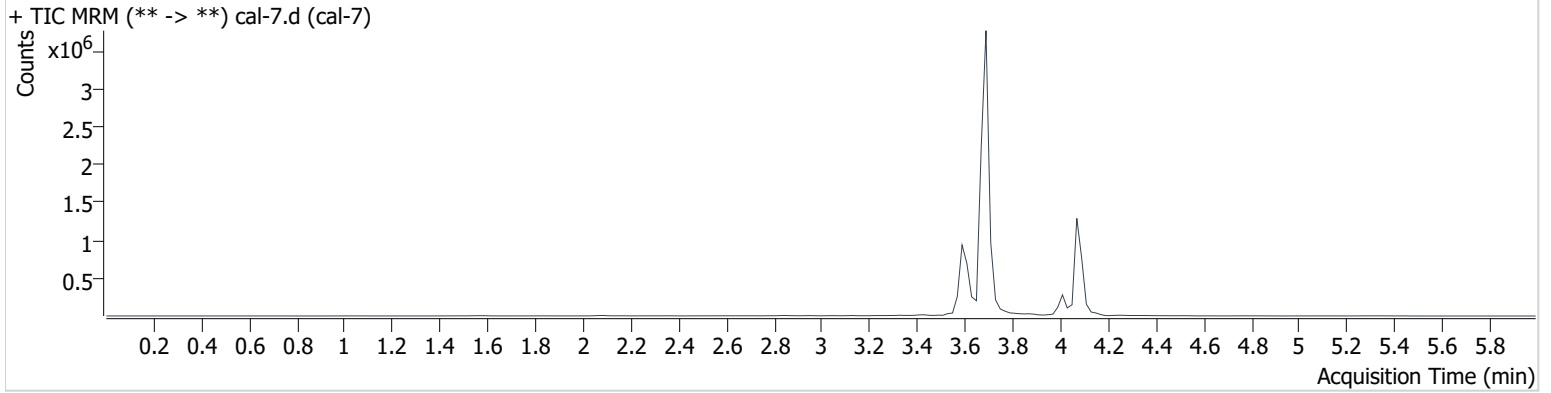
*B. Wylie*

**Batch results** D:\MassHunter\Data\2019\am 25-26\102119\QuantResults\AM 26 Worklist 3766.batch.bin  
**Calibration Last Update** 10/21/2019 10:04:56 PM

<b>Instrument</b>	69679	<b>Data File</b>	cal-7.d
<b>Type</b>	Cal	<b>Sample</b>	cal-7
<b>Acq. Method</b>	am 26 cann screen.m	<b>Operator</b>	Britany Wylie
<b>Sample Position</b>	P3-A1	<b>Comment</b>	
<b>Injection Volume</b>	5		
<b>Acq. Date-Time</b>	10/21/2019 5:00:32 PM		

**Sample Info.**

## Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	4.080	1500764	918993	100.360 ng/ml
THC-COOH	3.590	974502	326929	255.106 ng/ml
THC-OH	3.696	564087	3404682	99.978 ng/ml