

**REVIEWED**

By Sarah Pickle at 10:23 am, Jul 22, 2019

7/19/2019



**Worklist: 3547**

<u>LAB_CASE</u>	<u>ITEM</u>	<u>TASK_ID</u>	<u>DESCRIPTION</u>	
C2019-1085	1	155092	AM 25/AM 26 Blood MultiDrug/THC Screen by Li	
C2019-1097	1	154103	AM 25/AM 26 Blood MultiDrug/THC Screen by Li	
C2019-1105	1	154301	AM 25/AM 26 Blood MultiDrug/THC Screen by Li	
C2019-1111	1	154326	AM 25/AM 26 Blood MultiDrug/THC Screen by Li	
C2019-1136	1	154577	AM 25/AM 26 Blood MultiDrug/THC Screen by Li	
C2019-1148	1	155047	AM 25/AM 26 Blood MultiDrug/THC Screen by Li	
C2019-1154	2	155089	AM 25/AM 26 Blood MultiDrug/THC Screen by Li	
C2019-1174	1	155454	AM 25/AM 26 Blood MultiDrug/THC Screen by Li	
C2019-1175	1	155345	AM 25/AM 26 Blood MultiDrug/THC Screen by Li	
C2019-1200	1	155721	AM 25/AM 26 Blood MultiDrug/THC Screen by Li	
C2019-1217	1	155991	AM 25/AM 26 Blood MultiDrug/THC Screen by Li	
C2019-1220	1	156264	AM 25/AM 26 Blood MultiDrug/THC Screen by Li	
C2019-1231	1	156308	AM 25/AM 26 Blood MultiDrug/THC Screen by Li	
<i>not included in this worklist</i> <del>C2019-1233</del>	<del>1</del>	<del>156313</del>	<del>AM 25/AM 26 Blood MultiDrug/THC Screen by Li</del>	
C2019-1241	1	156330	AM 25/AM 26 Blood MultiDrug/THC Screen by Li	
C2019-1242	1	156337	AM 25/AM 26 Blood MultiDrug/THC Screen by Li	
C2019-1252	1	156476	AM 25/AM 26 Blood MultiDrug/THC Screen by Li	
C2019-1253	1	156478	AM 25/AM 26 Blood MultiDrug/THC Screen by Li	
C2019-1267	1	156647	AM 25/AM 26 Blood MultiDrug/THC Screen by Li	
C2019-1268	1	156649	AM 25/AM 26 Blood MultiDrug/THC Screen by Li	
C2019-1269	2	156652	AM 25/AM 26 Blood MultiDrug/THC Screen by Li	
C2019-1273	1	156664	AM 25/AM 26 Blood MultiDrug/THC Screen by Li	
C2019-1275	2	156705	AM 25/AM 26 Blood MultiDrug/THC Screen by Li	

**Worklist: 3547**

<u>LAB CASE</u>	<u>ITEM</u>	<u>TASK ID</u>	<u>DESCRIPTION</u>
C2019-1284	1	156731	AM 25/AM 26 Blood MultiDrug/THC Screen by L
C2019-1287	1	156762	AM 25/AM 26 Blood MultiDrug/THC Screen by L



A handwritten signature in black ink, consisting of a stylized, cursive name followed by a horizontal line extending to the right.

**Worklist: 3548**

<u>LAB_CASE</u>	<u>ITEM</u>	<u>TASK_ID</u>	<u>DESCRIPTION</u>
C2019-1299	1	157359	AM 25/AM 26 Blood MultiDrug/THC Screen by L



A handwritten signature in black ink, consisting of a stylized, cursive name followed by a horizontal line.

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

Extraction Date: 7/15/19

Analyst: Anne Nord

Plate lot#: 0543908

Plate Expiration: November 28 2019

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

**Mobile phase B:** 0.1% Formic Acid in MeOH  
Ethyl Acetate LC Methanol

**Blank Blood Lot:** 19A207P3

**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.
- 3. Create worklist: Data Path Name: D:\masshunter\Data\2019\am 25-26\071519 019 ~~A~~ <sup>7/22/19</sup>

## Analytic:

- 1. Remove standards, plate, controls, and samples from cold storage. Allow to reach room temperature.
- 2. Pipette **250µL blood (calibrated pipette) Pipette ID: 1926134** in wells of analytical (standards) plate.
- 3. Place on shaking incubator at ambient temp., 900rpm for 15 minutes. *Shaker ID: 66759*
- 4. Pipette **250µL 00.5M ammonium hydroxide** in wells of analytical plate.
- 5. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- 6. Transfer **300µL of blood+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 **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.  
*SPE Dry ID: 66819*
- 16. Reconstitute in **100µL 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.  
Batch Name: am 25
- 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. Calc conc 5 or greater, discretionary range 2-5
- 4. Did all QCs pass for each analyte? Y / N yes
- 5. Central File Packet to include: LIMS Worklist, Method Checklist, Calibration and Control Reports

COMMENTS:



Toxicology AM method 25 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

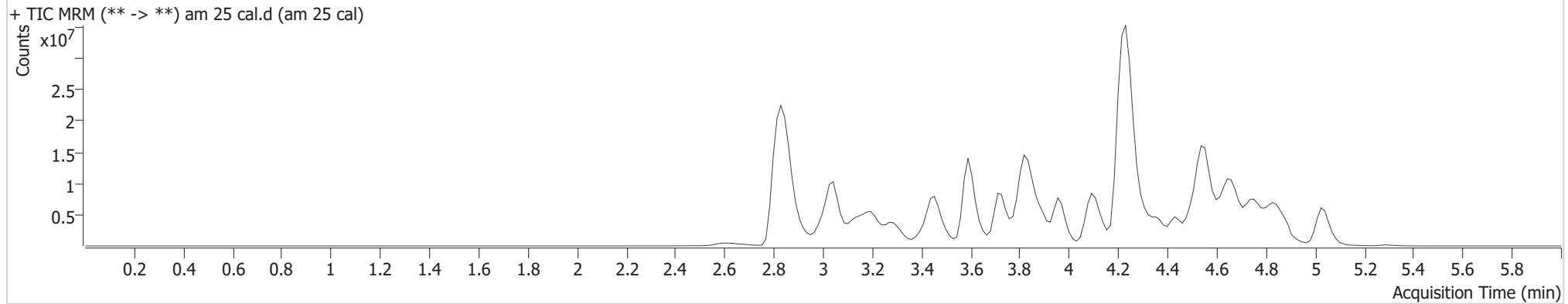


# AM #25 Multi-Drug Screen Results

**Batch results** D:\MassHunter\Data\2019\am 25-26\0715019\QuantResults\am 25.batch.bin  
**Calibration Last Update** 7/18/2019 10:18:06 AM

<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>	Anne Nord
<b>Sample Position</b>	P2-A1	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	7/15/2019 12:18:09 PM		
<b>Sample Info.</b>			

## Sample Chromatogram



Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
6-MAM	3.329	26880	115.9	116.0	773120	10.0000
7-aminoclonazepam	3.607	221472	178.5	64.4	1072891	10.0000
7-aminoflunitrazepam	3.805	809383	316610.8	244.3	4559136	10.0000
Acetyl Fentanyl	4.447	202521	116.9	53135.1	13851229	10.0000
Acetyl Norfentanyl	3.019	136306	228.8	67.2	6945838	10.0000
a-hydroxyalprazolam	4.524	37439	55.0	9925.8	207356	10.0000
alpha-hydroxymidazolam	4.600	536396	214.5	88650.8	4009133	10.0000
alpha-PVP	3.891	2056425	8461.6	1273.3	8639633	10.0000
Alprazolam	4.619	634244	340.2	1137.8	2150958	10.0000
Amitriptyline	4.823	871008	37.0	424.4	3802747	10.0000
Amphetamine	3.054	1527771	134.2	134.7	3237132	10.0000
Benzoyllecgonine	3.409	570052	2971.1	194.7	2714614	10.0000
Buprenorphine	5.329	93710	100.7	11017.6	511224	10.0000
Bupropion	4.151	1995710	1692.2	737.7	7649886	10.0000
Carbamazepine	4.243	2642388	∞	423.6	14315665	10.0000
Carisoprodol	4.211	352170	123141.9	41.0	2137612	10.0000
Chlordiazepoxide	4.744	169680	14.4	24.3	3855962	10.0000
Chlorpheniramine	4.193	12824	135.0	2140.4	30394250	10.0000

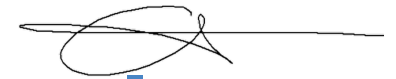
am 25 cal

# AM #25 Multi-Drug Screen Results



Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
Citalopram	4.324	1707214	980.3	47.6	8226372	10.0000
Clonazepam	4.479	89420	44.9	6.1	159884	10.0000
Cocaine	3.865	3021848	257.2	732.4	14801068	10.0000
Codeine	3.256	219872	870.8	1998.2	1156745	10.0000
Cyclobenzaprine	4.702	2025239	2760.5	74.1	8180571	10.0000
Desipramine	4.656	2737397	9746.3	519.4	14772918	10.0000
Dextromethorphan	4.378	1312121	83770.0	54641.6	6830576	10.0000
Dextrorphan	3.625	1277381	1100.4	12286.1	7314097	10.0000
Diazepam	4.852	285678	403.5	74925.9	1345846	10.0000
Dihydrocodeine	3.027	558839	690387.1	358.8	3520076	10.0000
Diphenhydramine	4.272	5434498	636.3	326.3	30394250	10.0000
Doxepin	4.530	1058290	516.5	112.8	6345149	10.0000
Doxylamine	3.823	5216138	2946.6	10610.7	23707890	10.0000
EDDP	4.222	2899274	3101.2	243.8	17357912	10.0000
Estazolam	4.529	972263	452.3	156.1	2741258	10.0000
Etizolam	4.615	83613	74134.6	5543.3	2741258	10.0000
Fentanyl	4.662	186284	117.5	71350.1	9276313	10.0000
Flunitrazepam	4.587	494947	2780.4	260.9	91177	10.0000
Fluoxetine	4.511	2051824	11509.2	1802.5	8827208	10.0000
Flurazepam	4.675	1702589	16535.3	167287.1	91177	10.0000
Hydrocodone	3.514	614652	245.6	61.4	3896141	10.0000
Hydromorphone	2.880	517030	1122.5	∞	1775458	10.0000
Imipramine	4.762	3060661	362978.7	244.2	12355343	10.0000
Ketamine	4.136	1648296	628.0	120.1	8446900	10.0000
Lamotrigine	3.717	137160	759.2	1375.0	7017750	10.0000
Levamisole	3.418	1253714	18294.5	337.8	14801068	10.0000
Lorazepam	4.448	6366	16.0	14.2	2150958	10.0000
Maprotiline	4.670	286100	29.8	152.6	3802747	10.0000
MDA	3.220	1190114	236.9	159.2	5865666	10.0000
MDEA	3.464	2434363	2954.4	1044.4	11406060	10.0000
MDMA	3.311	2843185	14516.5	1265.3	1714386	10.0000
Meperidine	3.918	1416167	2556.5	937.9	7017750	10.0000
Meprobamate	3.693	128188	138.5	44.8	612836	10.0000
Methadone	4.572	3608702	557.9	1514.6	19021350	10.0000
Methamphetamine	3.175	6575138	∞	∞	6302268	10.0000
Methocarbamol	3.613	71394	33915.1	89.5	7017750	10.0000
Methylphenidate	3.737	4717612	9375.5	157025.1	23567856	10.0000
Metoprolol	3.594	354310	1044.3	128776.4	7017750	10.0000
Midazolam	4.769	341590	281.1	620.4	4750056	10.0000
Mirtazapine	4.641	1635475	10814.1	332.8	7017750	10.0000
Mitragynine	4.673	196265	69595.7	165474.8	6345149	10.0000
Morphine	2.654	164344	13070.5	158.2	138138	10.0000
Norbuprenorphine	4.137	20776	7.2	5429.6	95705	10.0000
Nordiazepam	4.702	81134	18494.8	∞	302637	10.0000

# AM #25 Multi-Drug Screen Results



Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
Norfentanyl	3.477	2239723	3804.0	540.7	10148862	10.0000
Norhydrocodone	3.196	17110	7.8	31.3	799709	10.0000
Normeperidine	3.783	1086560	1618.2	1388.1	4182768	10.0000
Noroxycodone	3.088	542157	∞	34.3	2065625	10.0000
Nortriptyline	4.687	1176028	1056.2	353.7	3066732	10.0000
O-desmethyl-tramadol	3.048	4018169	499.7	301.0	21095990	10.0000
Olanzapine	4.356	665575	81123.0	154.3	27170	10.0000
Oxazepam	4.529	35707	9.6	4.2 <b>Low</b>	190302	10.0000
Oxycodone	3.223	1272045	211.1	211.9	5736229	10.0000
Oxymorphone	2.618	447538	1729.6	868.0	1744968	10.0000
Paroxetine	4.708	193934	88.8	43.3	4456678	10.0000
Phenazepam	4.645	162701	70331.4	476.9	649786	10.0000
Phencyclidine	4.104	2326563	136.7	1590.2	11806910	10.0000
Phentermine	3.298	913829	∞	∞	6586289	10.0000
Phenytoin	4.150	4378	11.4	17.8	27170	10.0000
Promethazine	4.852	2524154	5032.9	339.2	15545516	10.0000
Pseudoephedrine	2.840	30516465	14260.9	567.0	86459312	10.0000
Quetiapine	4.858	2170867	3139.2	407110.8	3183531	10.0000
Sertraline	4.895	878773	202412.0	802.8	4456678	10.0000
Sufentanil	5.041	171603	∞	391.3	9946440	10.0000
Tapentadol	3.601	2312395	241.9	209.8	11778131	10.0000
Temazepam	4.682	283548	165.5	13.5	1512291	10.0000
Tramadol	3.594	3852849	245.1	36.8	22000028	10.0000
Trazodone	5.028	2305404	7344.8	2291.4	10025619	10.0000
Venlafaxine	3.976	3423618	6858.9	264.3	19421793	10.0000
Zaleplon	4.373	566058	1667155.0	2109.9	1716189	10.0000
Zolpidem	4.543	4326385	3815.3	1164.7	22858245	10.0000
Zopiclone	4.582	132205	36.1	26544.0	682747	10.0000



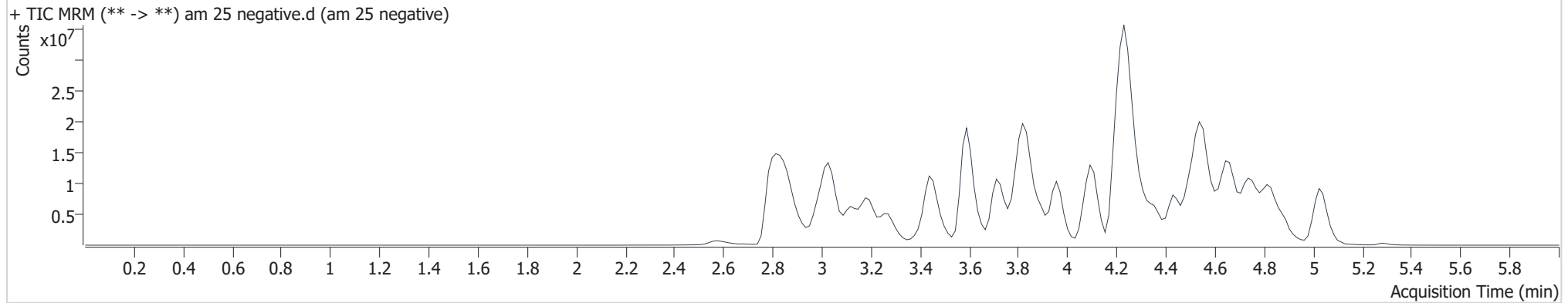
# AM #25 Multi-Drug Screen Results

**Batch results** D:\MassHunter\Data\2019\am 25-26\0715019\QuantResults\am 25.batch.bin  
**Calibration Last Update** 7/18/2019 10:18:06 AM

**Instrument** 69679  
**Type** Sample  
**Acq. Method** am 25 short.m  
**Sample Position** P2-C1  
**Injection Volume** 2  
**Acq. Date-Time** 7/15/2019 12:25:19 PM  
**Sample Info.**

**Data File** am 25 negative.d  
**Sample** am 25 negative  
**Operator** Anne Nord  
**Comment** negative blood

## Sample Chromatogram



Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
Methamphetamine	3.160	5559090	∞	69.8	12200089	4.3675 <10

# AM #25 Multi-Drug Screen Results

**Batch results**

D:\MassHunter\Data\2019\am 25-26\0715019\QuantResults\am 25.batch.bin

**Calibration Last Update**

7/18/2019 10:18:06 AM

**Instrument**

69679

**Type**

Sample

**Acq. Method**

am 25 short.m

**Sample Position**

P2-D1

**Injection Volume**

2

**Acq. Date-Time**

7/15/2019 12:32:28 PM

**Sample Info.****Data File**

am 25 external control.d

**Sample**

am 25 external control

**Operator**

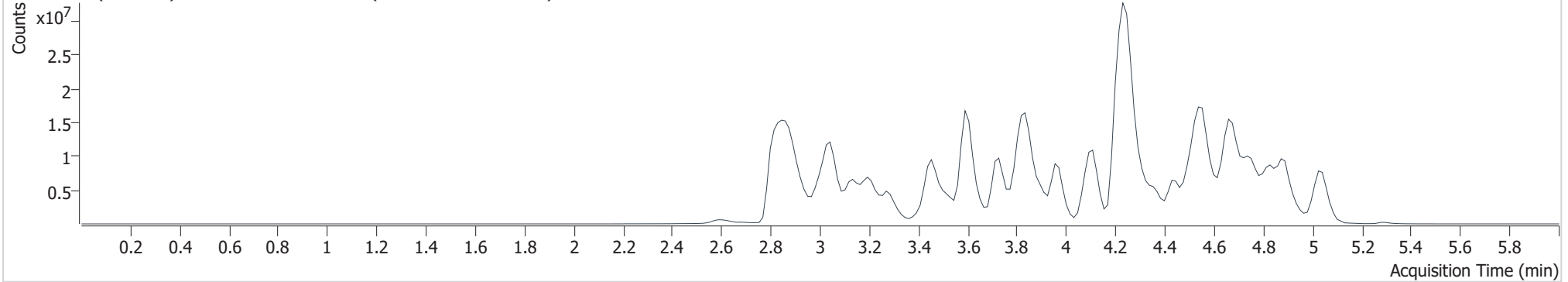
Anne Nord

**Comment**

blood external control

**Sample Chromatogram**

+ TIC MRM (\*\* -&gt; \*\*) am 25 external control.d (am 25 external control)



Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
Hydrocodone	3.529	9186301	376.6	378.9	5665768	102.7749
Hydromorphone	2.880	6956145	37811.2	105131.0	2532658	94.3162
Methamphetamine	3.175	5471828	550.9	653.6	13439527	3.9025 < 10
Nortriptyline	4.687	14967696	101837.0	2388.7	4397768	88.7526
Sertraline	4.895	12543813	2483981.0	3277.7	6915289	91.9928



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

Extraction Date: 7/15/19

Analyst: Anne Nord

Plate lot#: 0539904

Plate Expiration: 09/10/2019

**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:** 19A207P3

**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.
- 3. Create worklist:

### Analytic:

- 1. Remove standards, plate, controls, and samples from cold storage. Allow to reach room temperature.
- 2. Pipette **1000 µL blood (calibrated pipette) Pipette ID: k52558g** in wells of analytical (standards) plate.
  - Blank blood for locations containing standards/QCs and internal standards
  - Sample blood for locations containing only internal standards
- 3. Place on shaking incubator at ambient temp., 900rpm for 15 minutes. *Shaker ID: 66759*
- 4. Pipette **500 µL 0.1% formic acid** in wells of analytical plate.
- 5. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- 6. Transfer **800 µL of blood+base** mixture to corresponding wells of SLE+ plate.
- 7. Apply positive pressure for approx. 4 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 750uL).
- 10. Wait 5 minutes.
- 11. Apply positive pressure for approx. 15 seconds. *(10-15 PSI- Selector to the left).*
- 12. Add **2.25 mL 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.  
*SPE Dry ID: 66819*
- 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. 0715019  7/22/19  
Data path: D:\2019 data\am 25-26\071519 Batch Name: cann screen
- 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 +/- .100 min whichever is greater of the average retention time of the calibrators.
- 4. Did all QCs pass for each analyte? Y / N
- 5. Central File Packet to include: LIMS Worklist, Method Checklist, Calibration and Control Reports

COMMENTS:

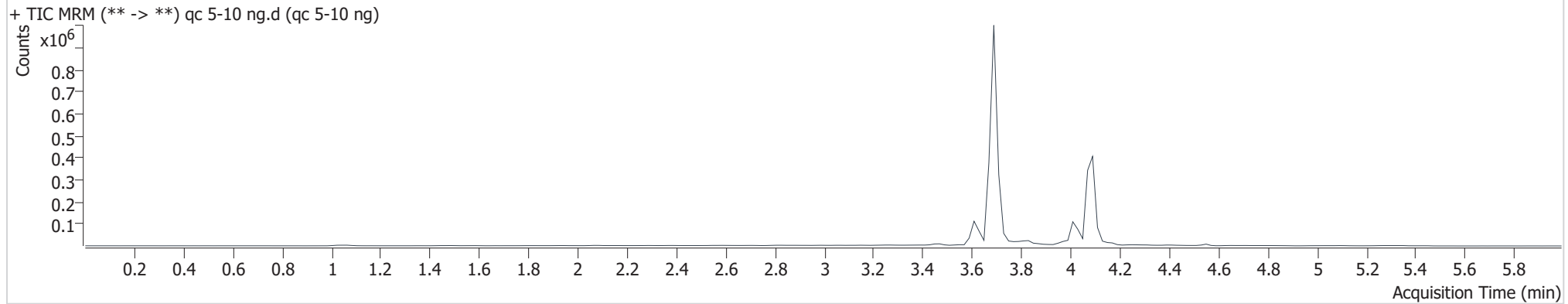
# AM #26 Cannabinoids Screen Results

**Batch results** D:\MassHunter\Data\2019\am 25-26\0715019\QuantResults\cann screen.batch.bin  
**Calibration Last Update** 7/16/2019 3:32:25 PM

**Instrument** 69679  
**Type** QC  
**Acq. Method** am 26 cann screen.m  
**Sample Position** P3-H1  
**Injection Volume** 5  
**Acq. Date-Time** 7/15/2019 4:54:54 PM  
**Sample Info.**


**Data File** qc 5-10 ng.d  
**Sample** qc 5-10 ng  
**Operator** Anne Nord  
**Comment**

## Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	4.100	66866	929043	4.546 ng/ml
THC-COOH	3.630	23830	220768	10.433 ng/ml
THC-OH	3.696	16809	1995158	4.927 ng/ml

# AM #26 Cannabinoids Screen Results

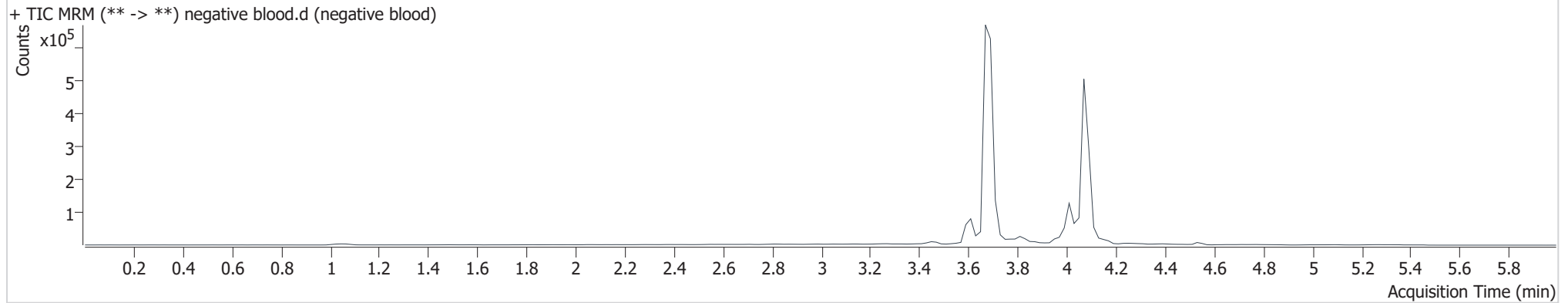


**Batch results** D:\MassHunter\Data\2019\am 25-26\0715019\QuantResults\cann screen.batch.bin  
**Calibration Last Update** 7/16/2019 3:32:25 PM

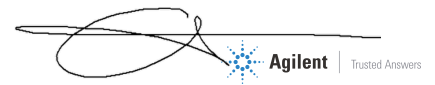
**Instrument** 69679  
**Type** Sample  
**Acq. Method** am 26 cann screen.m  
**Sample Position** P3-A2  
**Injection Volume** 5  
**Acq. Date-Time** 7/15/2019 5:08:08 PM  
**Sample Info.**

**Data File** negative blood.d  
**Sample** negative blood  
**Operator** Anne Nord  
**Comment**

## Sample Chromatogram

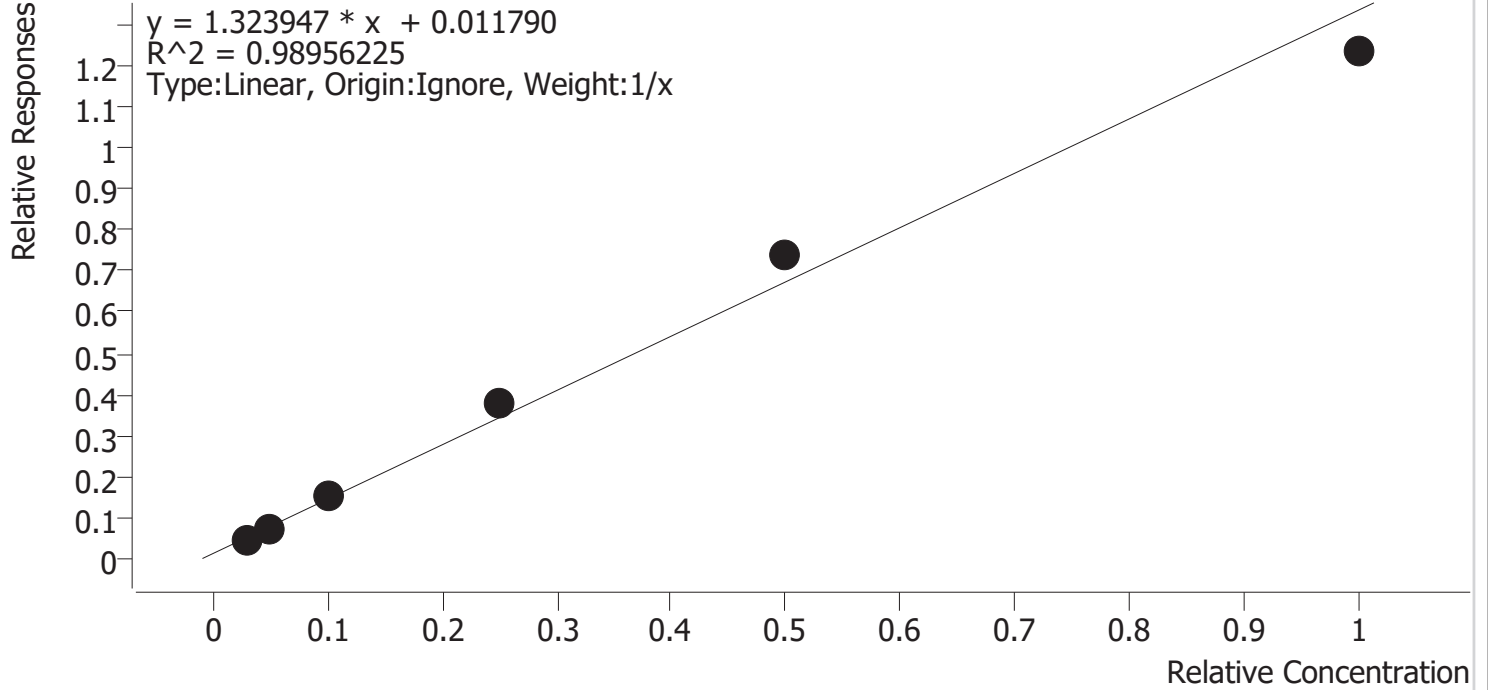


# Compound Calibration Report



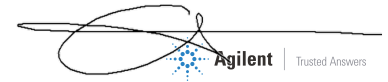
**Batch results** D:\MassHunter\Data\2019\am 25-26\0715019\QuantResults\cann screen.batch.bin  
**Last Cal. Update** 7/16/2019 3:32 PM  
**Analyst Name** ISP\datastor  
**Analyte** THC **Internal Standard** THC-d3

THC - 6 Levels, 6 Levels Used, 6 Points, 6 Points Used, 0 QCs



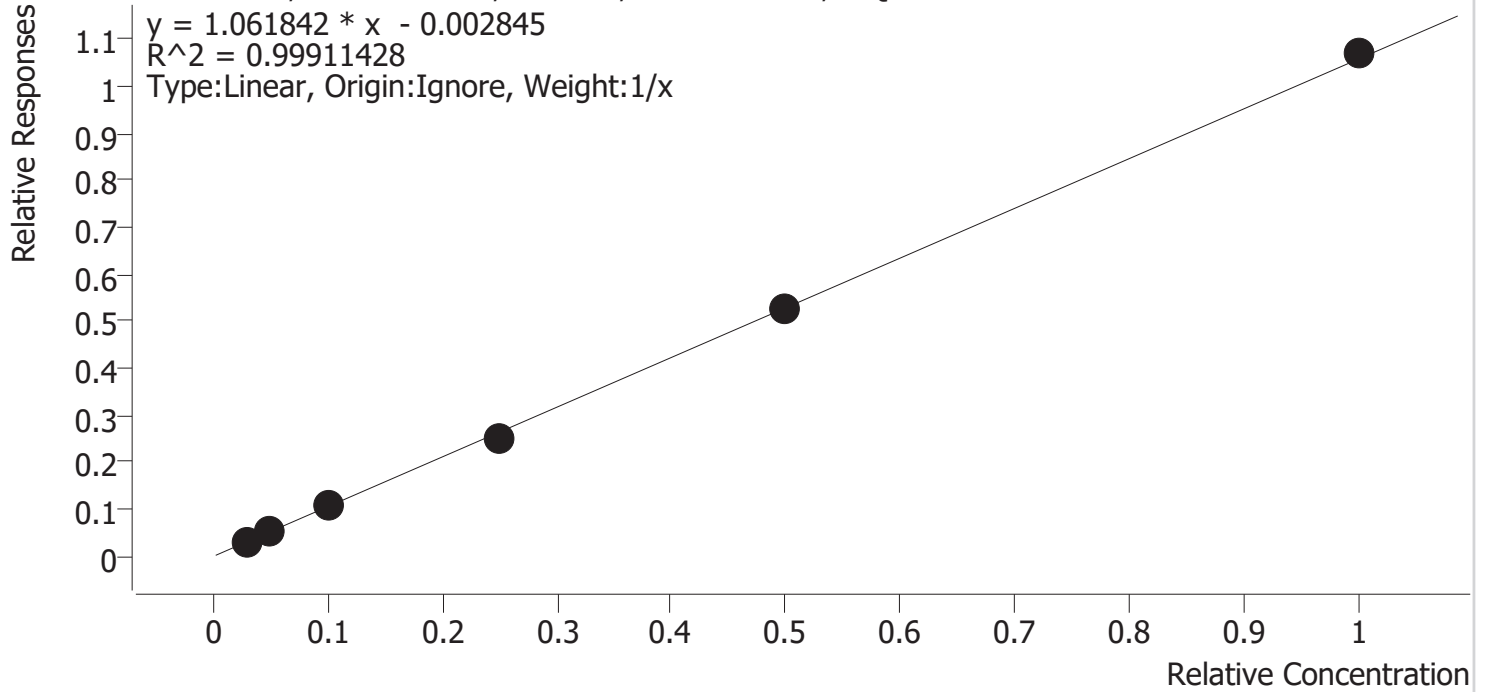
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 2	2	✓	3.0	2.6	85.7
cal 3	3	✓	5.0	4.8	96.6
cal 4	4	✓	10.0	10.4	104.4
cal 5	5	✓	25.0	27.7	110.7
cal-6	6	✓	50.0	55.2	110.3
cal-7	7	✓	100.0	92.3	92.3

# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2019\am 25-26\0715019\QuantResults\cann screen.batch.bin  
**Last Cal. Update** 7/16/2019 3:32 PM  
**Analyst Name** ISP\datastor  
**Analyte** THC-COOH **Internal Standard** THC-COOH-d9

THC-COOH - 6 Levels, 6 Levels Used, 6 Points, 6 Points Used, 0 QCs



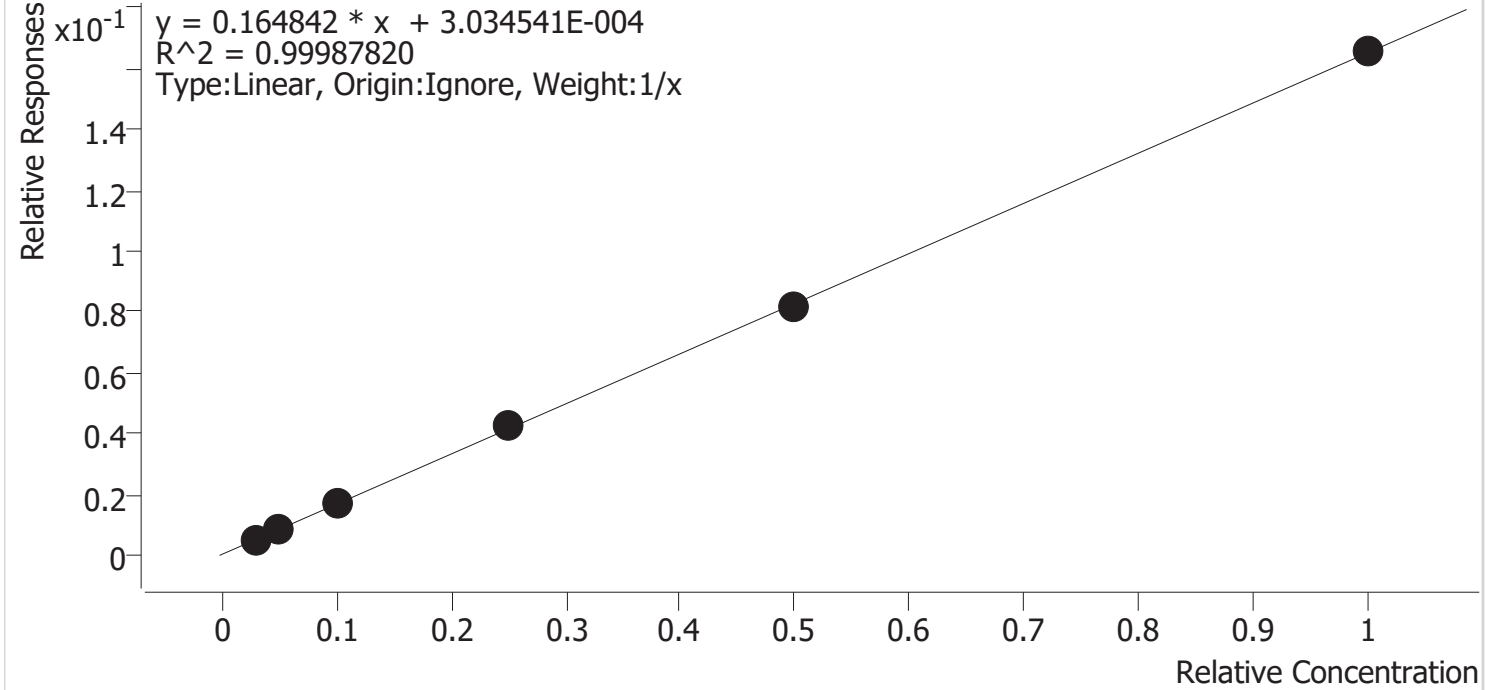
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 2	2	✓	3.0	3.0	100.2
cal 3	3	✓	5.0	5.0	100.5
cal 4	4	✓	10.0	10.4	104.4
cal 5	5	✓	25.0	23.5	93.8
cal-6	6	✓	50.0	50.0	100.1
cal-7	7	✓	100.0	101.0	101.0

# Compound Calibration Report



**Batch results** D:\MassHunter\Data\2019\am 25-26\0715019\QuantResults\cann screen.batch.bin  
**Last Cal. Update** 7/16/2019 3:32 PM  
**Analyst Name** ISP\datastor  
**Analyte** THC-OH **Internal Standard** THC-OH-d3

THC-OH - 6 Levels, 6 Levels Used, 6 Points, 6 Points Used, 0 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 2	2	✓	3.0	2.9	98.3
cal 3	3	✓	5.0	5.0	100.5
cal 4	4	✓	10.0	10.1	100.7
cal 5	5	✓	25.0	25.4	101.7
cal-6	6	✓	50.0	49.3	98.7
cal-7	7	✓	100.0	100.2	100.2



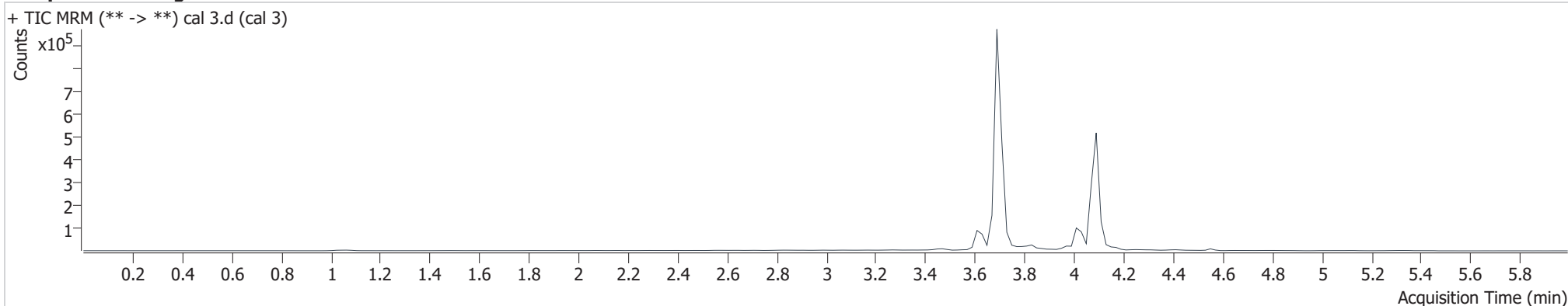
# AM #26 Cannabinoids Screen Results

**Batch results** D:\MassHunter\Data\2019\am 25-26\0715019\QuantResults\cann screen.batch.bin  
**Calibration Last Update** 7/16/2019 3:32:25 PM

**Instrument** 69679  
**Type** Cal  
**Acq. Method** am 26 cann screen.m  
**Sample Position** P3-C1  
**Injection Volume** 5  
**Acq. Date-Time** 7/15/2019 4:15:17 PM  
**Sample Info.**

**Data File** cal 3.d  
**Sample** cal 3  
**Operator** Anne Nord  
**Comment**

## Sample Chromatogram



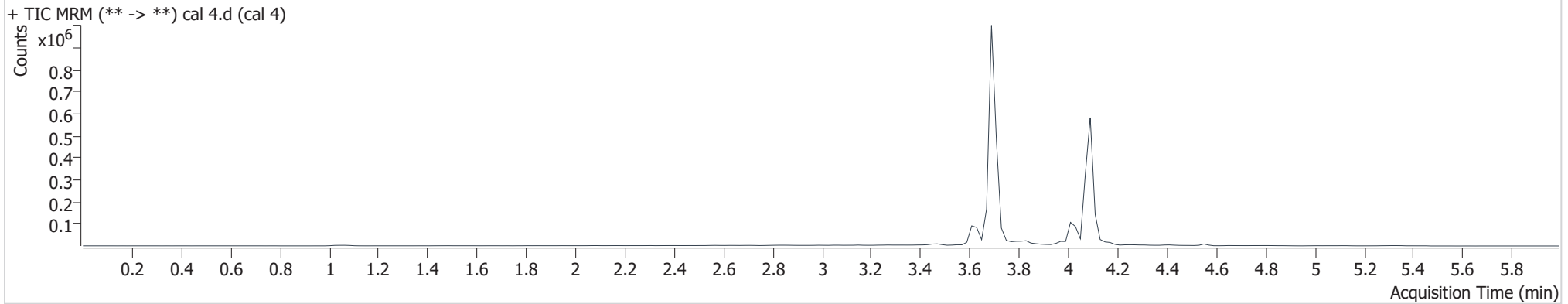
Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	4.100	78619	1038324	4.829 ng/ml
THC-COOH	3.630	11115	220150	5.023 ng/ml <b>Low</b>
THC-OH	3.696	16439	1914720	5.024 ng/ml

# AM #26 Cannabinoids Screen Results

**Batch results** D:\MassHunter\Data\2019\am 25-26\0715019\QuantResults\cann screen.batch.bin  
**Calibration Last Update** 7/16/2019 3:32:25 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>	Anne Nord
<b>Sample Position</b>	P3-D1	<b>Comment</b>	
<b>Injection Volume</b>	5		
<b>Acq. Date-Time</b>	7/15/2019 4:21:55 PM		
<b>Sample Info.</b>			

## Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	4.100	162168	1081487	10.435 ng/ml
THC-COOH	3.630	22342	206757	10.444 ng/ml
THC-OH	3.696	30849	1825617	10.067 ng/ml

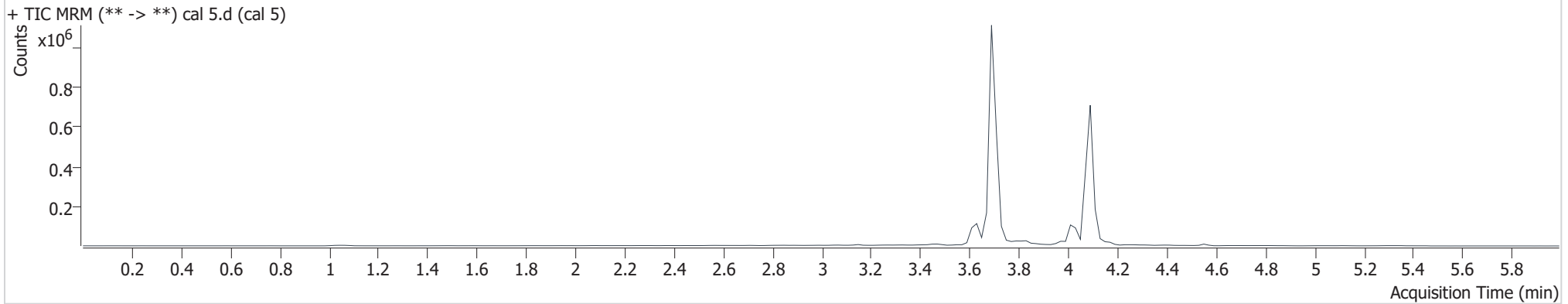
# AM #26 Cannabinoids Screen Results

**Batch results** D:\MassHunter\Data\2019\am 25-26\0715019\QuantResults\cann screen.batch.bin  
**Calibration Last Update** 7/16/2019 3:32:25 PM

**Instrument** 69679  
**Type** Cal  
**Acq. Method** am 26 cann screen.m  
**Sample Position** P3-E1  
**Injection Volume** 5  
**Acq. Date-Time** 7/15/2019 4:28:32 PM  
**Sample Info.**

**Data File** cal 5.d  
**Sample** cal 5  
**Operator** Anne Nord  
**Comment**

## Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	4.100	397318	1050141	27.687 ng/ml
THC-COOH	3.630	48947	198774	23.458 ng/ml
THC-OH	3.696	72116	1708909	25.416 ng/ml

# AM #26 Cannabinoids Screen Results

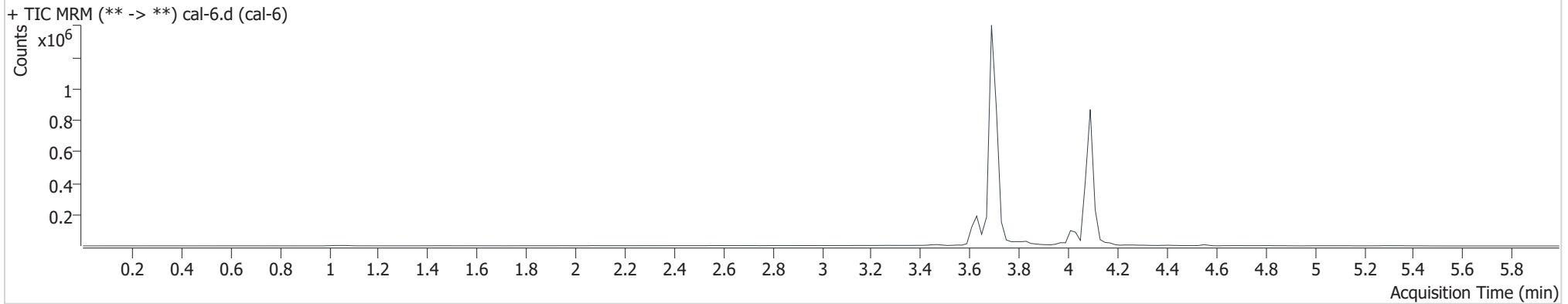


**Batch results** D:\MassHunter\Data\2019\am 25-26\0715019\QuantResults\cann screen.batch.bin  
**Calibration Last Update** 7/16/2019 3:32:25 PM

**Instrument** 69679  
**Type** Cal  
**Acq. Method** am 26 cann screen.m  
**Sample Position** P3-F1  
**Injection Volume** 5  
**Acq. Date-Time** 7/15/2019 4:35:09 PM  
**Sample Info.**

**Data File** cal-6.d  
**Sample** cal-6  
**Operator** Anne Nord  
**Comment**

## Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	4.100	715837	964717	55.155 ng/ml
THC-COOH	3.630	114147	216023	50.031 ng/ml
THC-OH	3.696	148766	1822025	49.348 ng/ml

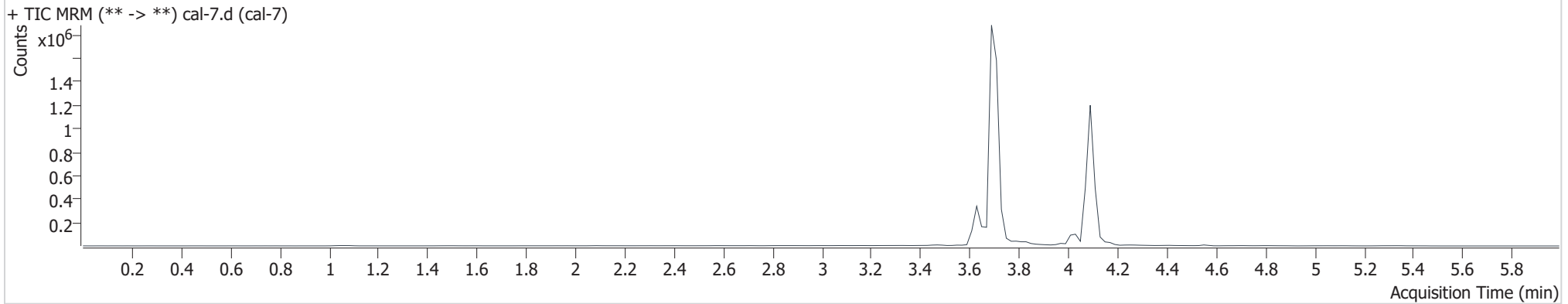
# AM #26 Cannabinoids Screen Results



**Batch results** D:\MassHunter\Data\2019\am 25-26\0715019\QuantResults\cann screen.batch.bin  
**Calibration Last Update** 7/16/2019 3:32:25 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>	Anne Nord
<b>Sample Position</b>	P3-G1	<b>Comment</b>	
<b>Injection Volume</b>	5		
<b>Acq. Date-Time</b>	7/15/2019 4:41:46 PM		
<b>Sample Info.</b>			

## Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	4.100	1292927	1047667	92.323 ng/ml
THC-COOH	3.630	236174	220719	101.038 ng/ml
THC-OH	3.696	315646	1907592	100.196 ng/ml

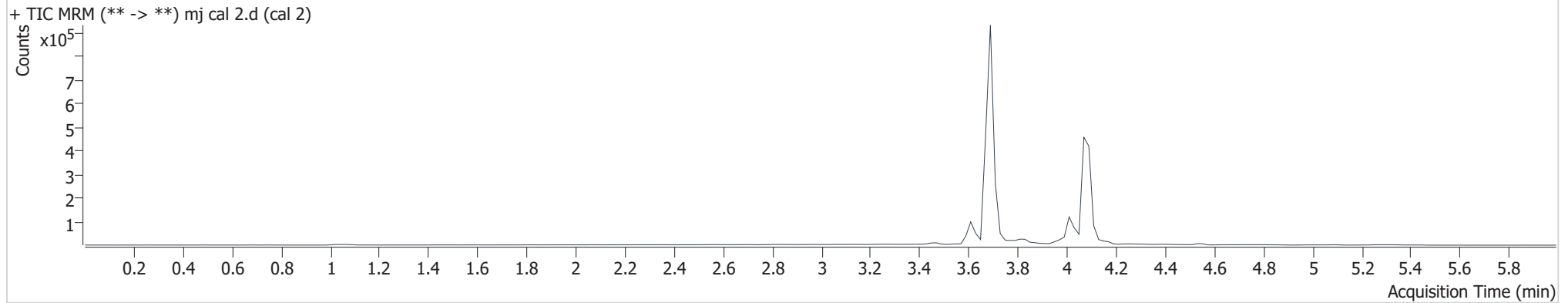
# AM #26 Cannabinoids Screen Results

**Batch results** D:\MassHunter\Data\2019\am 25-26\0715019\QuantResults\cann screen.batch.bin  
**Calibration Last Update** 7/16/2019 3:32:25 PM

**Instrument** 69679  
**Type** Cal  
**Acq. Method** am 26 cann screen.m  
**Sample Position** P3-B1  
**Injection Volume** 5  
**Acq. Date-Time** 7/15/2019 5:01:31 PM  
**Sample Info.**

**Data File** mj cal 2.d  
**Sample** cal 2  
**Operator** Anne Nord  
**Comment**

## Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	4.100	51379	1121157	2.571 ng/ml <b>Low</b>
THC-COOH	3.630	6586	226623	3.005 ng/ml <b>Low</b>
THC-OH	3.696	10239	1982839	2.949 ng/ml <b>Low</b>