
































Worklist: 3610

<u>LAB_CASE</u>	<u>ITEM</u>	<u>TASK_ID</u>	<u>DESCRIPTION</u>	
C2019-1225	1	156230	AM 25/AM 26 Blood MultiDrug/THC Screen by Li	
C2019-1297	1	156898	AM 25/AM 26 Blood MultiDrug/THC Screen by Li	
C2019-1384	1	157412	AM 25/AM 26 Blood MultiDrug/THC Screen by Li	
C2019-1385	1	157414	AM 25/AM 26 Blood MultiDrug/THC Screen by Li	
C2019-1390	1	157425	AM 25/AM 26 Blood MultiDrug/THC Screen by Li	
C2019-1431	1	157855	AM 25/AM 26 Blood MultiDrug/THC Screen by Li	
C2019-1438	1	157935	AM 25/AM 26 Blood MultiDrug/THC Screen by Li	
C2019-1439	1	157937	AM 25/AM 26 Blood MultiDrug/THC Screen by Li	
C2019-1440	1	157939	AM 25/AM 26 Blood MultiDrug/THC Screen by Li	
C2019-1474	1	158626	AM 25/AM 26 Blood MultiDrug/THC Screen by Li	
C2019-1485	1	158838	AM 25/AM 26 Blood MultiDrug/THC Screen by Li	
C2019-1486	1	158840	AM 25/AM 26 Blood MultiDrug/THC Screen by Li	
C2019-1512	1	159211	AM 25/AM 26 Blood MultiDrug/THC Screen by Li	
C2019-1518	1	159266	AM 25/AM 26 Blood MultiDrug/THC Screen by Li	
C2019-1530	1	159376	AM 25/AM 26 Blood MultiDrug/THC Screen by Li	
C2019-1531	1	159379	AM 25/AM 26 Blood MultiDrug/THC Screen by Li	
C2019-1541	1	159403	AM 25/AM 26 Blood MultiDrug/THC Screen by Li	
C2019-1552	1	159647	AM 25/AM 26 Blood MultiDrug/THC Screen by Li	
C2019-1564	1	160084	AM 25/AM 26 Blood MultiDrug/THC Screen by Li	
M2019-2776	1	160199	AM 25/AM 26 Blood MultiDrug/THC Screen by Li	
P2019-1926	1	160200	AM 25/AM 26 Blood MultiDrug/THC Screen by Li	
P2019-2036	1	160201	AM 25/AM 26 Blood MultiDrug/THC Screen by Li	
P2019-2079	1	160202	AM 25/AM 26 Blood MultiDrug/THC Screen by Li	

Worklist: 3610



<u>LAB CASE</u>	<u>ITEM</u>	<u>TASK ID</u>	<u>DESCRIPTION</u>	
P2019-2084	1	160203	AM 25/AM 26 Blood MultiDrug/THC Screen by L	
P2019-2084	2	160462	AM 25/AM 26 Blood MultiDrug/THC Screen by L	
P2019-2105	2	160204	AM 25/AM 26 Blood MultiDrug/THC Screen by L	
P2019-2139	1	160205	AM 25/AM 26 Blood MultiDrug/THC Screen by L	
P2019-2145	1	160206	AM 25/AM 26 Blood MultiDrug/THC Screen by L	
P2019-2208	1	160207	AM 25/AM 26 Blood MultiDrug/THC Screen by L	



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

Extraction Date: 8/14/19

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: 445283-2 Hemostat

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

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.
- 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: *_ Methamphetamine was not evaluated in this run due to an interferant with this compound.*

Mobile phase B was replaced, samples were reinjected to evaluate methamphetamine, the compound still could not be evaluated.



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

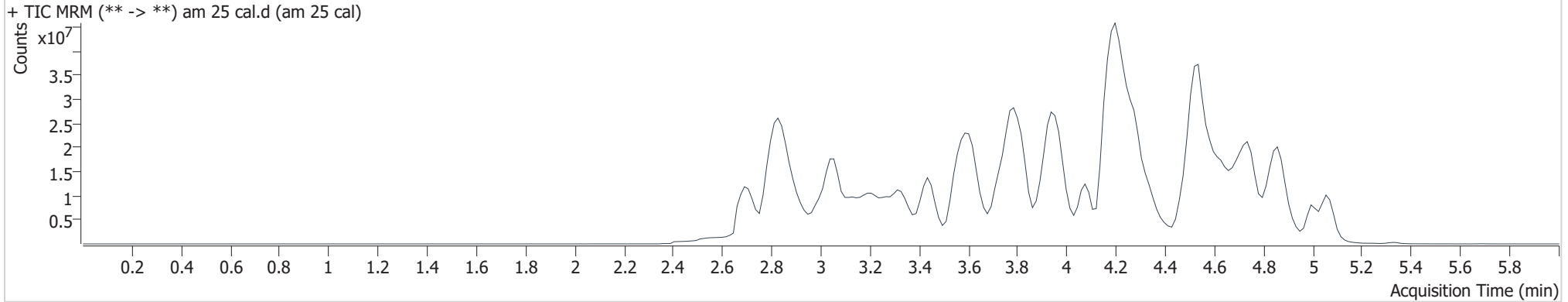
Concentration 100ng/ml hydrocodone, nortriptyline, sertraline, hydromorphone

AM #25 Multi-Drug Screen Results

Batch results D:\MassHunter\Data\2019\am 25-26\081419\QuantResults\mds.batch.bin
Calibration Last Update 8/20/2019 9:28:51 AM

Instrument	69679	Data File	am 25 cal.d
Type	Cal	Sample	am 25 cal
Acq. Method	am 25 short.m	Operator	Anne Nord
Sample Position	P2-A1	Comment	
Injection Volume	3		
Acq. Date-Time	8/14/2019 1:09:29 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
6-MAM	3.509	45318	145.3	480.9	1476983	10.0000
7-aminoclonazepam	3.575	178713	182.9	60.2	2484068	10.0000
7-aminoflunitrazepam	3.788	761355	1783.3	848.1	10073762	10.0000
Acetyl Fentanyl	4.568	347537	57.1	68227.7	35445704	10.0000
Acetyl Norfentanyl	3.017	287036	557.3	94.3	13856101	10.0000
a-hydroxyalprazolam	4.491	86384	61.0	16779.0	965802	10.0000
alpha-hydroxymidazolam	4.581	332535	320.7	69020.7	4062001	10.0000
alpha-PVP	4.041	3700049	635.4	181.8	26141470	10.0000
Alprazolam	4.586	710086	356.3	4279.2	4250360	10.0000
Amitriptyline	4.836	1362958	276.6	168.8	11043518	10.0000
Amphetamine	3.051	2064899	715.3	161.5	4981715	10.0000
Benzoylcegonine	3.376	1062925	383.9	52.0	3627910	10.0000
Buprenorphine	5.327	111750	118.8	5164.5	812413	10.0000
Bupropion	4.302	2122972	323.3	423.3	12315883	10.0000
Carbamazepine	4.225	2454836	511.7	797.2	21793616	10.0000
Carisoprodol	4.207	363534	156.9	59.5	2737527	10.0000
Chlordiazepoxide	4.711	172052	36.0	73.1	8055710	10.0000



AM #25 Multi-Drug Screen Results

Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
Chlorpheniramine	4.221	11727	23.1	1136895081 054990.0	61881261	10.0000
Citalopram	4.306	2262831	239.2	247.5	18817150	10.0000
Clonazepam	4.430	144927	63.4	63.1	456972	10.0000
Cocaine	3.939	5562423	1993.5	493.5	46734846	10.0000
Codeine	3.496	406655	191.0	297.4	2105384	10.0000
Cyclobenzaprine	4.699	3287178	630.0	146.3	24610027	10.0000
Desipramine	4.608	3622980	239.5	114.9	32872049	10.0000
Dextromethorphan	4.360	2437191	2286.6	184.8	21420169	10.0000
Dextrorphan	3.638	2167549	253.3	633.2	21652969	10.0000
Diazepam	4.834	278744	166.1	424.2	2229698	10.0000
Dihydrocodeine	3.175	1366398	1014.2	1349.8	6949045	10.0000
Diphenhydramine	4.285	9893000	1620.9	2928.5	61881261	10.0000
Doxepin	4.559	1415291	286.8	61.1	13838286	10.0000
Doxylamine	3.820	11892713	638.4	12969.6	62238551	10.0000
EDDP	4.189	5609806	394.0	65365.9	50454067	10.0000
Estazolam	4.510	1379515	919.2	202.6	7560551	10.0000
Etizolam	4.596	98179	49042.1	245423.1	7560551	10.0000
Fentanyl	4.751	332321	150.8	472.1	28660677	10.0000
Flunitrazepam	4.554	497055	9976.8	139674.7	155467	10.0000
Fluoxetine	4.477	2421995	363101.9	96.9	20535568	10.0000
Flurazepam	4.733	2752928	633827.2	156636.8	155467	10.0000
Hydrocodone	3.678	7081313	561.3	374.2	7562008	10.0000
Hydromorphone	3.089	1088014	16.0	311.0	3111364	10.0000
Imipramine	4.759	4636616	408.2	271.3	32443036	10.0000
Ketamine	4.271	2003350	804.4	85.0	16403507	10.0000
Lamotrigine	3.684	177089	150.7	246.7	19422068	10.0000
Levamisole	3.613	2476330	350.5	243.8	46734846	10.0000
Lorazepam	4.414	28996	192.3	∞	4250360	10.0000
Maprotiline	4.622	336751	24.8	141.6	11043518	10.0000
MDA	3.216	2064010	1459.3	181.3	9096657	10.0000
MDEA	3.444	4908429	359.2	445.8	22341659	10.0000
MDMA	3.307	5587242	682.7	412.2	2913158	10.0000
Meperidine	3.992	2504489	250.1	284.2	19422068	10.0000
Meprobamate	3.658	166926	421.4	23.0	1151471	10.0000
Methadone	4.538	6634306	463.1	158.1	46218622	10.0000
Methocarbamol	3.579	111639	73.1	76.2	19422068	10.0000
Methylphenidate	3.794	9374205	5381.6	2630.0	67292800	10.0000
Metoprolol	3.592	544856	739.9	62.8	19422068	10.0000
Midazolam	4.752	375388	1156.1	4744.7	8836507	10.0000
Mirtazapine	4.685	2459087	5325.5	1737.5	19422068	10.0000
Mitragynine	4.763	518147	1198.1	311300.5	13838286	10.0000
Morphine	2.682	499609	∞	38.7	186304	10.0000
Norbuprenorphine	4.134	21033	59.2	88.3	211065	10.0000



AM #25 Multi-Drug Screen Results

Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
Nordiazepam	4.669	135865	32925.5	103.5	874895	10.0000
Norfentanyl	3.458	4150026	511.0	∞	17609518	10.0000
Norhydrocodone	3.194	48963	15.6	6.4	1443279	10.0000
Normeperidine	3.779	1805452	742.5	205.0	12136171	10.0000
Noroxycodone	3.100	1038456	∞	79.1	3383992	10.0000
Nortriptyline	4.639	11956263	1320.8	1757.1	6995226	10.0000
O-desmethyl-tramadol	3.061	9117473	3805.7	954.7	38582859	10.0000
Olanzapine	4.415	1908098	417.8	643.0	75101	10.0000
Oxazepam	4.496	124661	13.5	5.8	1293158	10.0000
Oxycodone	3.387	2371774	112.2	356.4	10482308	10.0000
Oxymorphone	2.753	1305790	133.2	13303.9	5586701	10.0000
Paroxetine	4.659	200267	24.0	31.1	8504789	10.0000
Phenazepam	4.627	254269	760.8	2044.2	1829470	10.0000
Phencyclidine	4.101	4436594	832.4	213.3	36941422	10.0000
Phentermine	3.294	1525727	34.5	7.2	11432825	10.0000
Phenytoin	4.115	6749	10.3	3.9 Low	75101	10.0000
Promethazine	4.880	6767774	6056.8	333.6	51047581	10.0000
Pseudoephedrine	2.837	46882263	5838.7	387.9	115176749	10.0000
Quetiapine	4.841	2846630	1195.8	852.9	6420855	10.0000
Sertraline	4.863	8191132	∞	319.2	8504789	10.0000
Sufentanil	5.070	325895	695.4	173.0	33131959	10.0000
Tapentadol	3.597	3607262	915.5	322.2	35809950	10.0000
Temazepam	4.649	782043	67.1	58.7	6859379	10.0000
Tramadol	3.622	7289752	1381.4	74.0	63791676	10.0000
Trazodone	5.010	2580764	426.7	829.5	20388204	10.0000
Venlafaxine	3.973	6465917	2576.5	176.4	48647224	10.0000
Zaleplon	4.340	660414	745.4	338.9	3661287	10.0000
Zolpidem	4.539	6846820	2729.6	1643.1	44684141	10.0000
Zopiclone	4.549	161280	154.0	88.7	1411603	10.0000

AM #25 Multi-Drug Screen Results



Batch results

D:\MassHunter\Data\2019\am 25-26\081419\QuantResults\mds.batch.bin

Calibration Last Update

8/20/2019 9:28:51 AM

Instrument

69679

Type

Sample

Acq. Method

am 25 short.m

Sample Position

P2-C1

Injection Volume

3

Acq. Date-Time

8/14/2019 1:16:39 PM

Sample Info.

Data File

am 25 negative.d

Sample

am 25 negative

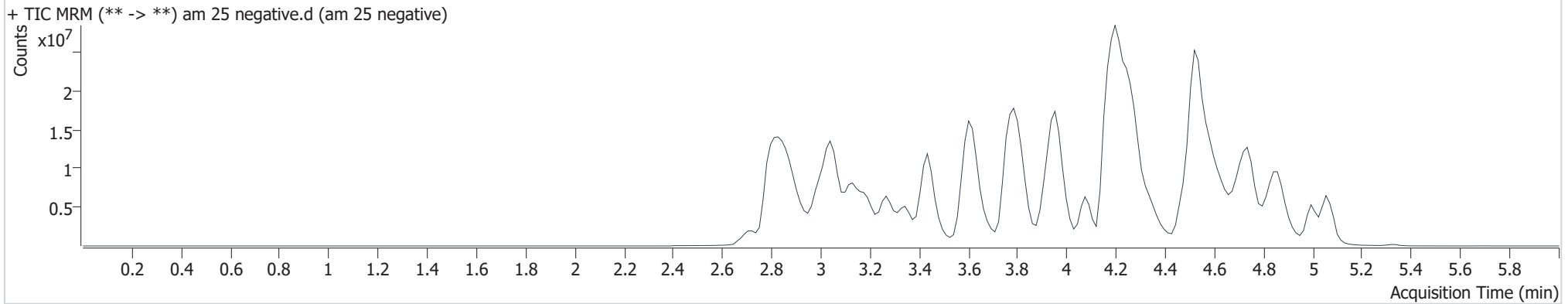
Operator

Anne Nord

Comment

negative blood

Sample Chromatogram



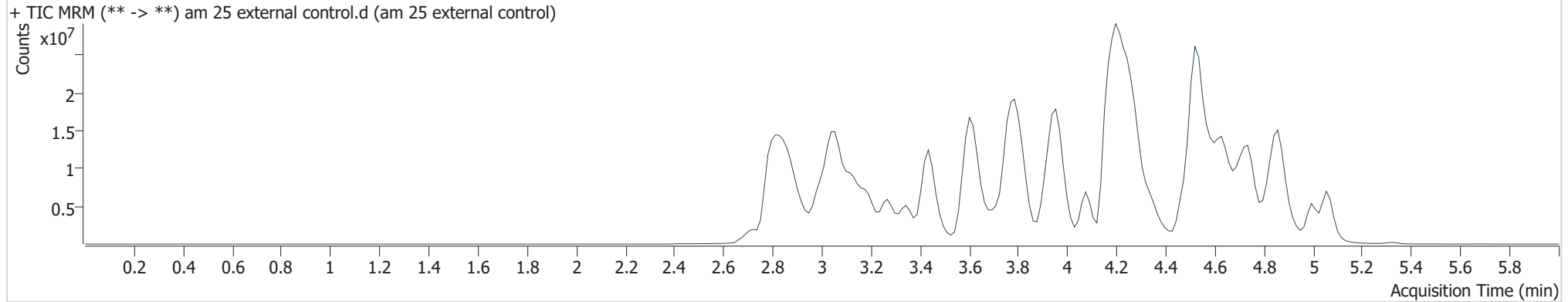
AM #25 Multi-Drug Screen Results



Batch results D:\MassHunter\Data\2019\am 25-26\081419\QuantResults\mds.batch.bin
Calibration Last Update 8/20/2019 9:28:51 AM

Instrument	69679	Data File	am 25 external control.d
Type	Sample	Sample	am 25 external control
Acq. Method	am 25 short.m	Operator	Anne Nord
Sample Position	P2-D1	Comment	blood external control
Injection Volume	3		
Acq. Date-Time	8/14/2019 1:23:49 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
Hydrocodone	3.724	11208243	2198.6	548.2	6974552	17.1611
Hydromorphone	3.089	10321305	2192.4	759.3	4358190	67.7243
Nortriptyline	4.639	17138295	1474.5	4425.2	5272921	19.0162
Sertraline	4.863	12066605	14278.4	3309.6	6747739	18.5672



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

Extraction Date: 8/14/19

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: 445283-2 Hemostat

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.
- 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:

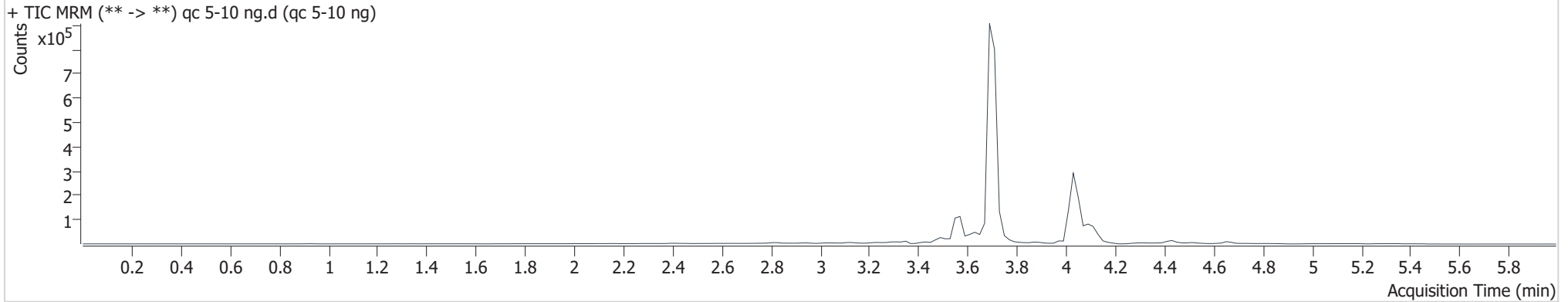
AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2019\am 25-26\081419\QuantResults\cann screen.batch.bin
Calibration Last Update 8/20/2019 11:27:49 AM

Instrument 69679
Type QC
Acq. Method am 26 cann screen.m
Sample Position P3-H1
Injection Volume 5
Acq. Date-Time 8/14/2019 6:19:50 PM
Sample Info.

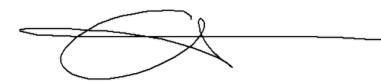
Data File qc 5-10 ng.d
Sample qc 5-10 ng
Operator Anne Nord
Comment

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	4.120	6401	88558	4.059 ng/ml
THC-COOH	3.590	17883	252855	6.313 ng/ml Low
THC-OH	3.696	18192	2172103	5.053 ng/ml

AM #26 Cannabinoids Screen Results

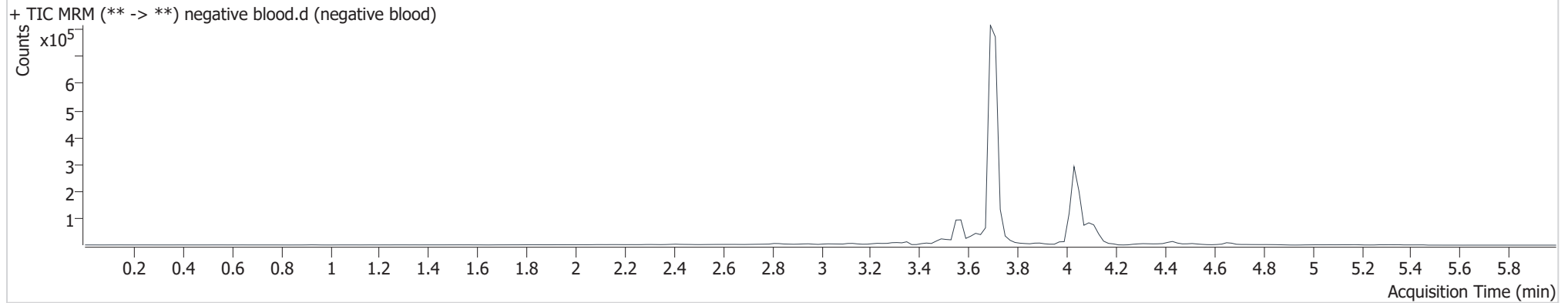


Batch results D:\MassHunter\Data\2019\am 25-26\081419\QuantResults\cann screen.batch.bin
Calibration Last Update 8/20/2019 11:27:49 AM

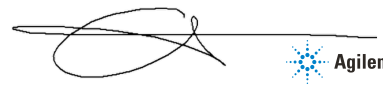
Instrument 69679
Type Sample
Acq. Method am 26 cann screen.m
Sample Position P3-A2
Injection Volume 5
Acq. Date-Time 8/14/2019 6:26:28 PM
Sample Info.

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

Sample Chromatogram

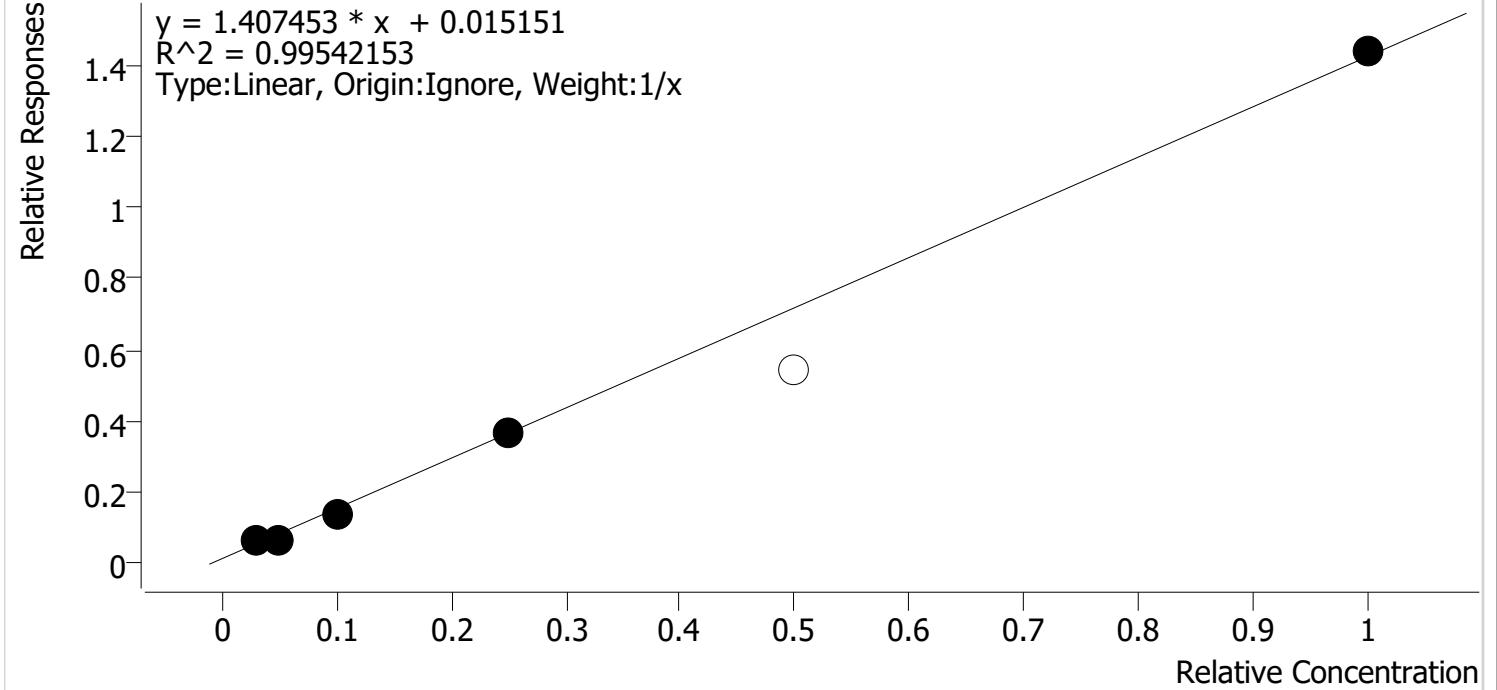


Compound Calibration Report



Batch results D:\MassHunter\Data\2019\am 25-26\081419\QuantResults\cann screen.batch.bin
Last Cal. Update 8/20/2019 11:27 AM
Analyst Name ISP\datastor
Analyte THC **Internal Standard** THC-d3

THC - 6 Levels, 5 Levels Used, 6 Points, 5 Points Used, 0 QCs



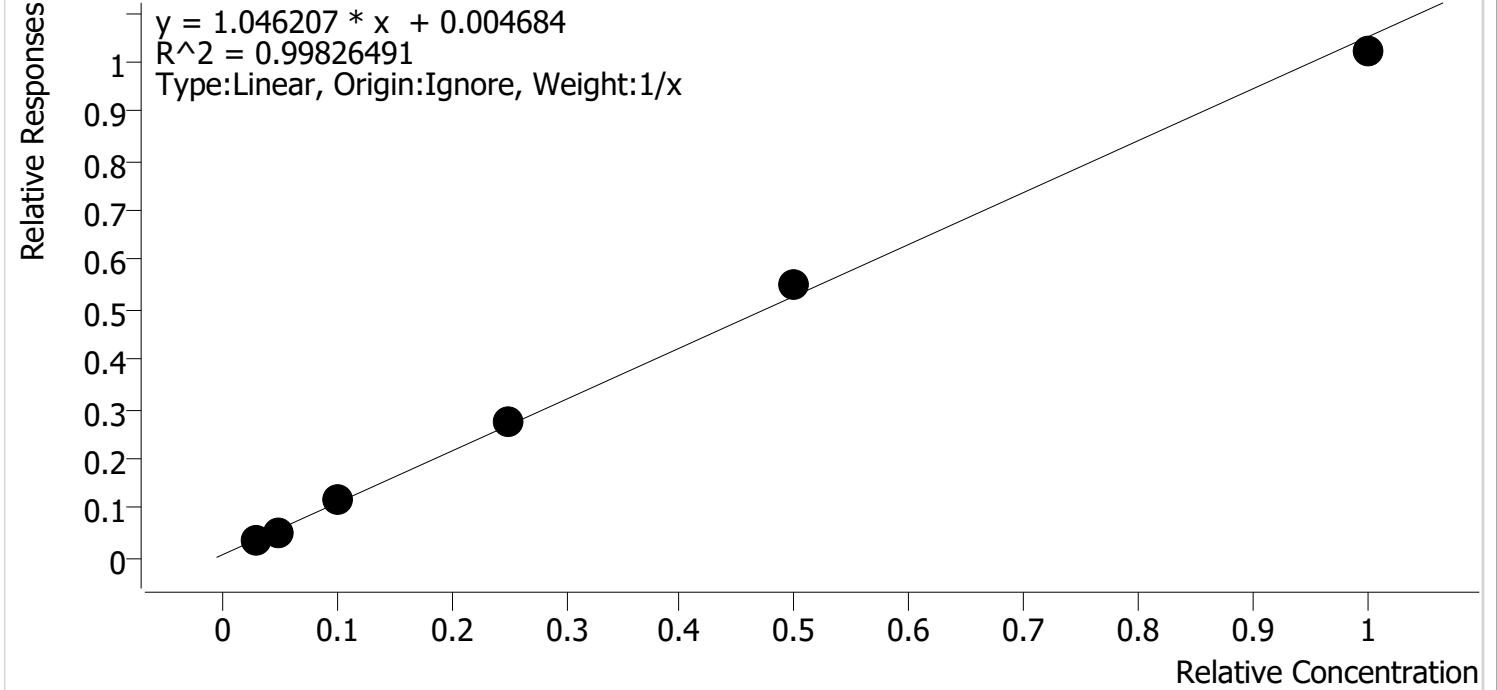
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 2	2	✓	3.0	3.8	126.8
cal 3	3	✓	5.0	4.0	80.3
cal 4	4	✓	10.0	9.2	91.6
cal 5	5	✓	25.0	25.1	100.3
cal-6	6	✗	50.0	37.9	75.9
cal-7	7	✓	100.0	100.9	100.9

Compound Calibration Report



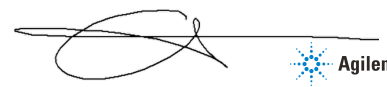
Batch results D:\MassHunter\Data\2019\am 25-26\081419\QuantResults\cann screen.batch.bin
Last Cal. Update 8/20/2019 11:27 AM
Analyst Name ISP\datastor
Analyte THC-COOH **Internal Standard** THC-COOH-d9

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



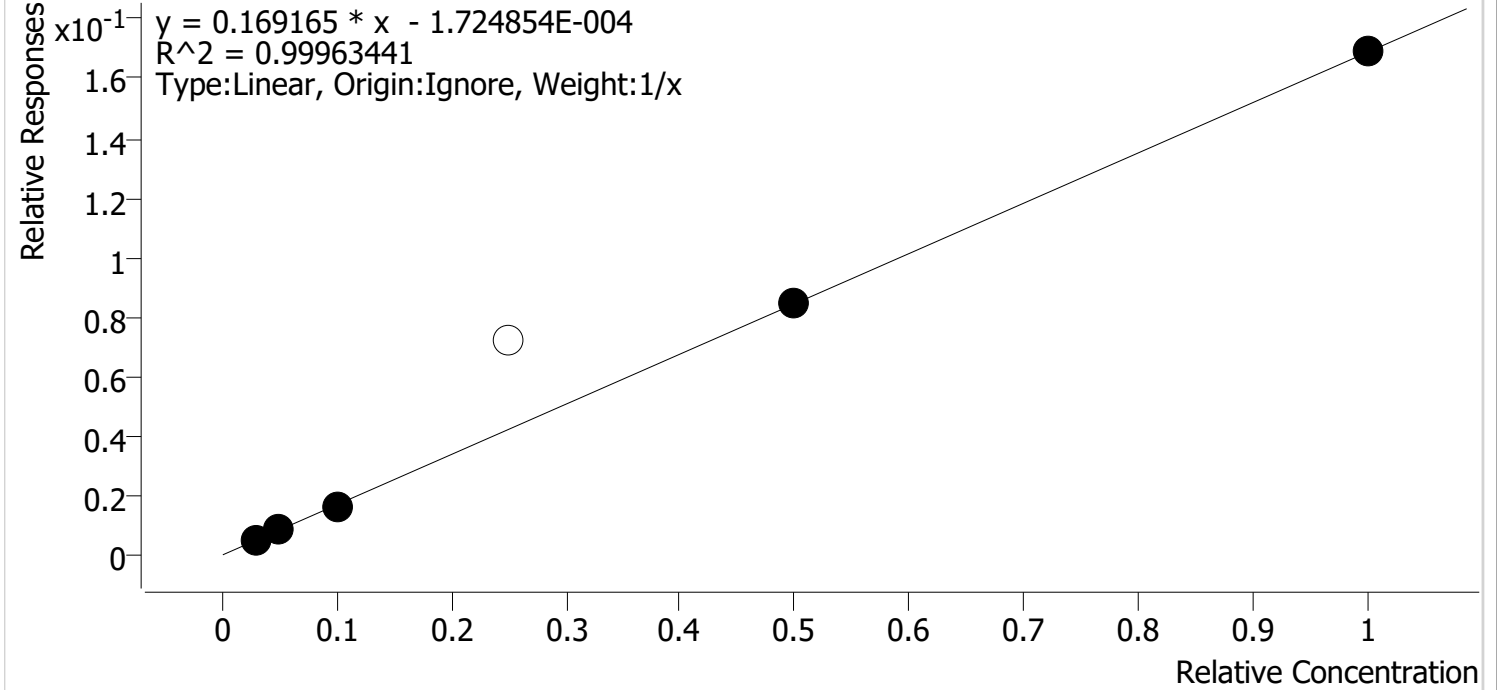
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 2	2	✓	3.0	3.0	99.1
cal 3	3	✓	5.0	4.6	91.9
cal 4	4	✓	10.0	10.5	104.7
cal 5	5	✓	25.0	25.8	103.1
cal-6	6	✓	50.0	52.1	104.1
cal-7	7	✓	100.0	97.1	97.1

Compound Calibration Report



Batch results D:\MassHunter\Data\2019\am 25-26\081419\QuantResults\cann screen.batch.bin
Last Cal. Update 8/20/2019 11:27 AM
Analyst Name ISP\datastor
Analyte THC-OH **Internal Standard** THC-OH-d3

THC-OH - 6 Levels, 5 Levels Used, 6 Points, 5 Points Used, 0 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 2	2	✓	3.0	3.1	103.6
cal 3	3	✓	5.0	5.1	101.9
cal 4	4	✓	10.0	9.4	93.7
cal 5	5	✗	25.0	42.4	169.8
cal-6	6	✓	50.0	50.3	100.7
cal-7	7	✓	100.0	100.1	100.1

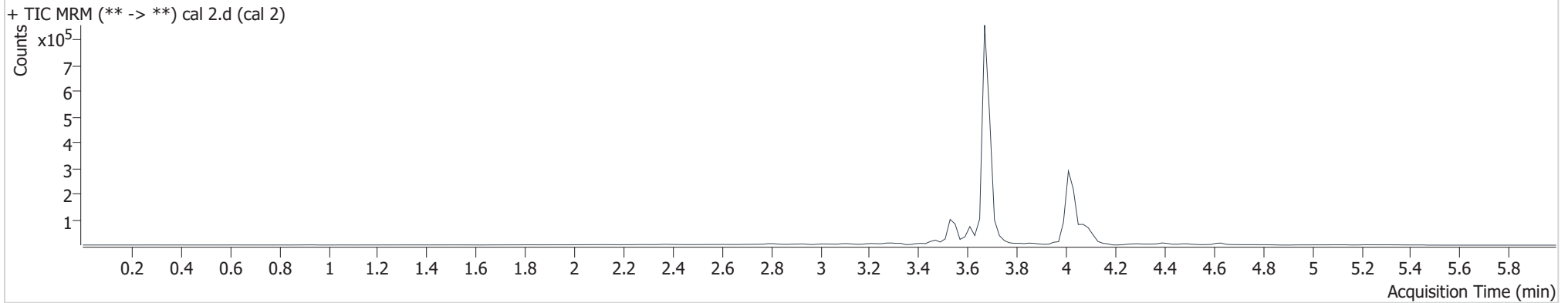
AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2019\am 25-26\081419\QuantResults\cann screen.batch.bin
Calibration Last Update 8/20/2019 11:27:49 AM

Instrument 69679
Type Cal
Acq. Method am 26 cann screen.m
Sample Position P3-B1
Injection Volume 5
Acq. Date-Time 8/14/2019 5:33:45 PM
Sample Info.

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

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	4.080	5585	81287	3.805 ng/ml
THC-COOH	3.550	7701	215192	2.973 ng/ml Low
THC-OH	3.676	9346	1837946	3.108 ng/ml

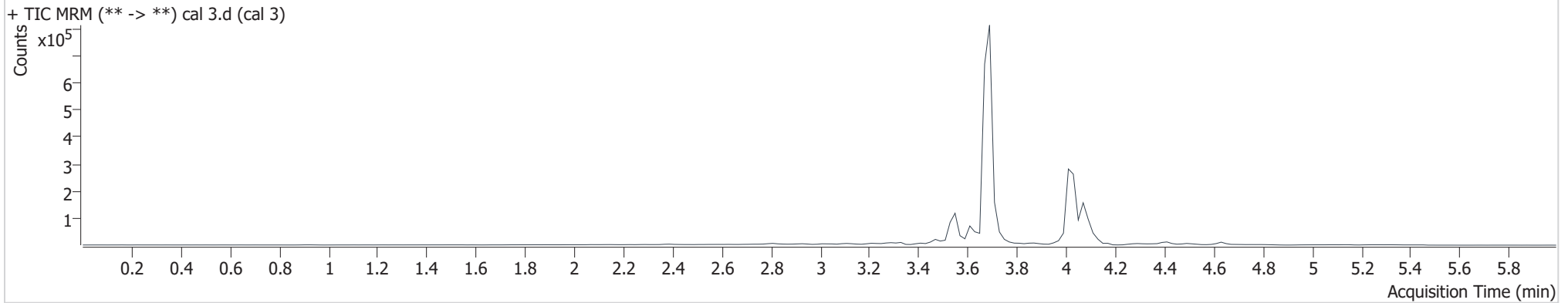
AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2019\am 25-26\081419\QuantResults\cann screen.batch.bin
Calibration Last Update 8/20/2019 11:27:49 AM

Instrument 69679
Type Cal
Acq. Method am 26 cann screen.m
Sample Position P3-C1
Injection Volume 5
Acq. Date-Time 8/14/2019 5:40:22 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	4.080	13335	186049	4.016 ng/ml
THC-COOH	3.550	12933	245153	4.595 ng/ml Low
THC-OH	3.696	16264	1925329	5.096 ng/ml

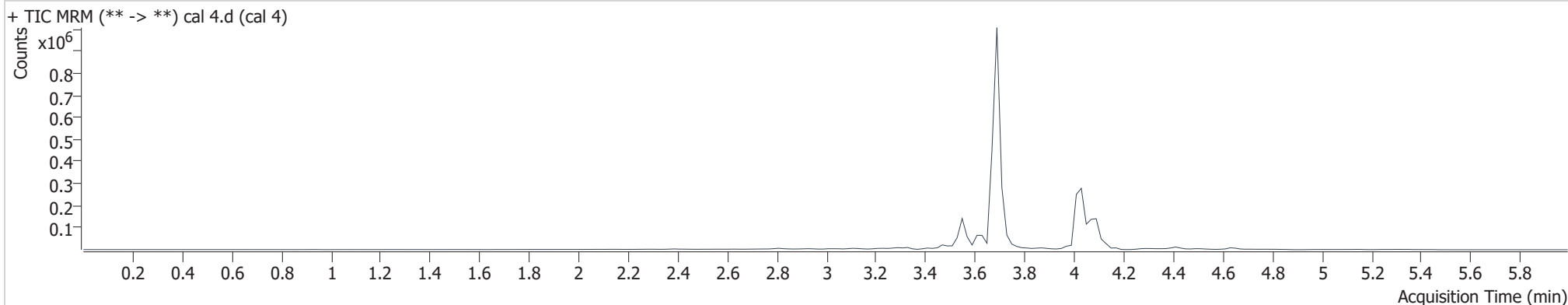
AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2019\am 25-26\081419\QuantResults\cann screen.batch.bin
Calibration Last Update 8/20/2019 11:27:49 AM

Instrument 69679
Type Cal
Acq. Method am 26 cann screen.m
Sample Position P3-D1
Injection Volume 5
Acq. Date-Time 8/14/2019 5:46:57 PM
Sample Info.

Data File cal 4.d
Sample cal 4
Operator Anne Nord
Comment

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	4.100	28060	194777	9.159 ng/ml
THC-COOH	3.550	26861	235247	10.466 ng/ml
THC-OH	3.696	31375	2000761	9.372 ng/ml

AM #26 Cannabinoids Screen Results

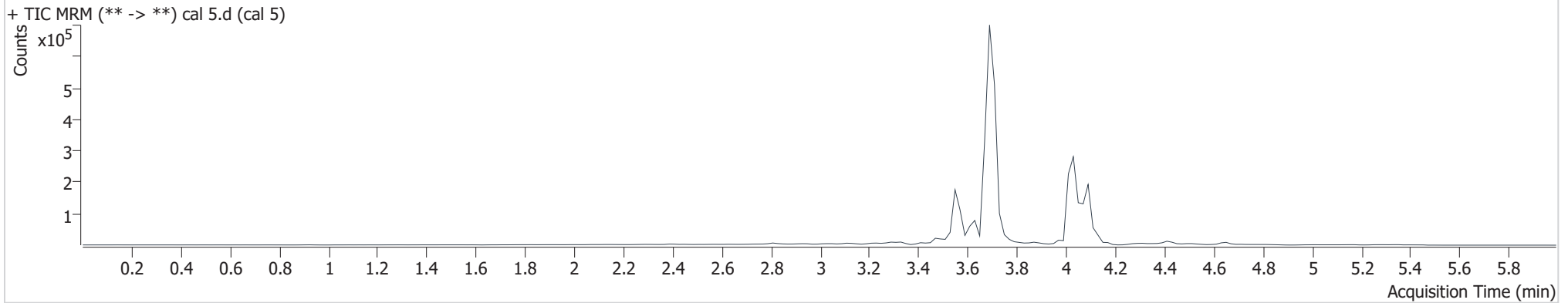


Batch results D:\MassHunter\Data\2019\am 25-26\081419\QuantResults\cann screen.batch.bin
Calibration Last Update 8/20/2019 11:27:49 AM

Instrument 69679
Type Cal
Acq. Method am 26 cann screen.m
Sample Position P3-E1
Injection Volume 5
Acq. Date-Time 8/14/2019 5:53:33 PM
Sample Info.

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

Sample Chromatogram



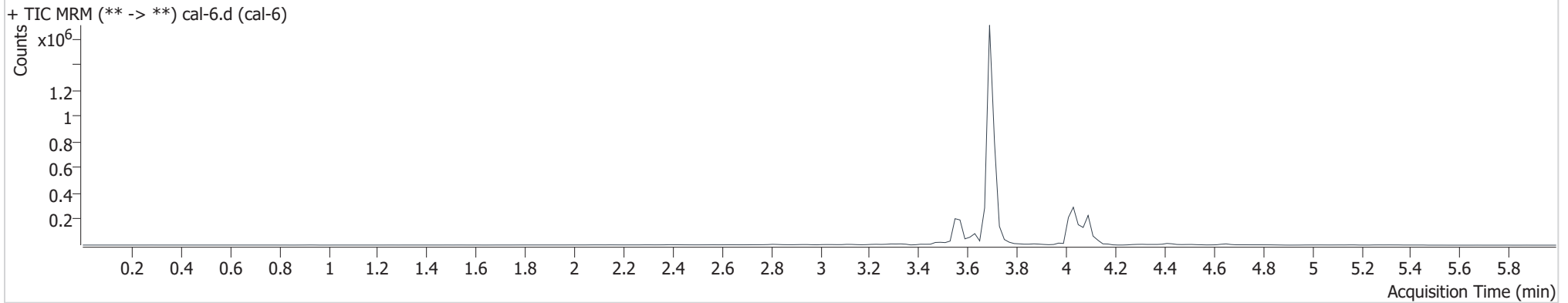
Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	4.100	73696	200196	25.079 ng/ml
THC-COOH	3.570	64799	236206	25.774 ng/ml
THC-OH	3.696	85854	1198610	42.444 ng/ml

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2019\am 25-26\081419\QuantResults\cann screen.batch.bin
Calibration Last Update 8/20/2019 11:27:49 AM

Instrument	69679	Data File	cal-6.d
Type	Cal	Sample	cal-6
Acq. Method	am 26 cann screen.m	Operator	Anne Nord
Sample Position	P3-F1	Comment	
Injection Volume	5		
Acq. Date-Time	8/14/2019 6:00:09 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	4.100	111410	202911	37.934 ng/ml
THC-COOH	3.570	128371	233663	52.064 ng/ml
THC-OH	3.696	170400	2004670	50.350 ng/ml

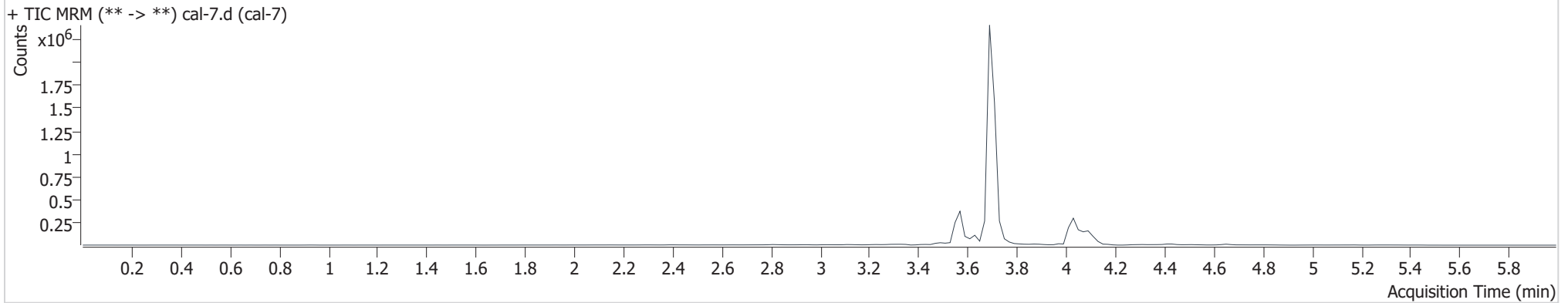
AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2019\am 25-26\081419\QuantResults\cann screen.batch.bin
Calibration Last Update 8/20/2019 11:27:49 AM

Instrument 69679
Type Cal
Acq. Method am 26 cann screen.m
Sample Position P3-G1
Injection Volume 5
Acq. Date-Time 8/14/2019 6:06:45 PM
Sample Info.

Data File cal-7.d
Sample cal-7
Operator Anne Nord
Comment

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	4.080	140021	97518	100.941 ng/ml
THC-COOH	3.570	260551	255231	97.128 ng/ml
THC-OH	3.696	359888	2128007	100.075 ng/ml