
























Worklist: 3731

<u>LAB_CASE</u>	<u>ITEM</u>	<u>TASK_ID</u>	<u>DESCRIPTION</u>	
M2019-3713	1	165591	AM 25/AM 26 Blood MultiDrug/THC Screen by Li	
M2019-3955	1	165666	AM 25/AM 26 Blood MultiDrug/THC Screen by Li	
M2019-3972	2	165667	AM 25/AM 26 Blood MultiDrug/THC Screen by Li	
M2019-4002	2	165668	AM 25/AM 26 Blood MultiDrug/THC Screen by Li	
M2019-4097	2	165669	AM 25/AM 26 Blood MultiDrug/THC Screen by Li	
P2019-2531	3	165670	AM 25/AM 26 Blood MultiDrug/THC Screen by Li	
P2019-2798	1	165671	AM 25/AM 26 Blood MultiDrug/THC Screen by Li	
P2019-2799	1	165672	AM 25/AM 26 Blood MultiDrug/THC Screen by Li	
P2019-2800	1	165540	AM 25/AM 26 Blood MultiDrug/THC Screen by Li	
P2019-2801	1	165673	AM 25/AM 26 Blood MultiDrug/THC Screen by Li	
P2019-2808	1	165675	AM 25/AM 26 Blood MultiDrug/THC Screen by Li	
P2019-2809	1	165674	AM 25/AM 26 Blood MultiDrug/THC Screen by Li	
P2019-2814	1	165676	AM 25/AM 26 Blood MultiDrug/THC Screen by Li	
P2019-2815	1	165677	AM 25/AM 26 Blood MultiDrug/THC Screen by Li	
P2019-2834	1	165678	AM 25/AM 26 Blood MultiDrug/THC Screen by Li	
P2019-2843	1	165680	AM 25/AM 26 Blood MultiDrug/THC Screen by Li	
P2019-2844	1	165679	AM 25/AM 26 Blood MultiDrug/THC Screen by Li	
P2019-2858	1	165681	AM 25/AM 26 Blood MultiDrug/THC Screen by Li	
P2019-2859	1	165682	AM 25/AM 26 Blood MultiDrug/THC Screen by Li	
P2019-2860	1	165683	AM 25/AM 26 Blood MultiDrug/THC Screen by Li	
P2019-2861	1	165684	AM 25/AM 26 Blood MultiDrug/THC Screen by Li	
P2019-2862	1	165685	AM 25/AM 26 Blood MultiDrug/THC Screen by Li	
P2019-2863	1	165686	AM 25/AM 26 Blood MultiDrug/THC Screen by Li	

Worklist: 3731

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<u>LAB CASE</u>	<u>ITEM</u>	<u>TASK ID</u>	<u>DESCRIPTION</u>
P2019-2872	1	165687	AM 25/AM 26 Blood MultiDrug/THC Screen by L
P2019-2886	1	165688	AM 25/AM 26 Blood MultiDrug/THC Screen by L



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

Extraction Date: 9/28/19
Plate lot#: 0543908

Analyst: Sarah Pickle
Plate Expiration: 11/28/19

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

Column: Phenomenex Phenyl Hexyl (4.6x50mm, 2.6um)

LCMS-QQQ ID: 069901

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. Pipette **250 µL blood (calibrated pipette)** in wells of analytical (standards) plate. **Pipette ID: #3**
- 3. Place on shaking incubator at ambient temp., 900 rpm for 15 minutes. *Shaker ID: 067105*
- 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+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: 067104
- 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. Place on SPE Dry and evaporate to dryness at approx. 35°C.
SPE Dry ID: 067103
- 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.
Batch Name: MDS SP Worklist path: D:\MassHunter\Data\2019\AM 25-26\092819 THCS MDS SP CS
- 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? Y / N _____
- 5. Central File Packet to include: LIMS Worklist, Method Checklist, Calibration and Control Reports

COMMENTS:



Idaho State Police Forensic Services

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AM #25 Blood Multi-Drug Screen by LCMS-QQQ

Methanol External Control Solution (Lot: 042719)

100 ul of 1mg/mL stock was added to each drug to 9600 ul of LC MeOH.

<i>Component</i>	<i>Source</i>	<i>Source Lot Number</i>	<i>Expiration Date</i>
Methanol (LCMS)	Fisher	184782	
Morphine	Cerilliant	FE08141515	November 2020
Metoprolol	Cerilliant	FN06091510	July 2020
Flunitrazepam	Cerilliant	FE08051602	August 2021
Trazodone	Cerilliant	FN12151403	January 2020
Prepared:	04/27/19		
Prepared By:	Tamara Salazar		
Expires:	01/31/2020		

Blood External Control Solution (Lot: WS042719)

100 ul of methanol external control solution was added to 9900 ul of blood.

Approximately 50ng/mL of each compound.

<i>Component</i>	<i>Source</i>	<i>Source Lot Number</i>
Negative Blood	Hemostat	445283-1
Methanol External Control Solution		042719
Prepared:	04/27/19	
Prepared by:	Tamara Salazar	
Expires:	01/31/2020	

AM #25 Multi-Drug Screen Results

5



Batch results

D:\MassHunter\Data\2019\AM 25-26\092819 THCS MDS SP CS\QuantResults\MDS SP.batch.bin

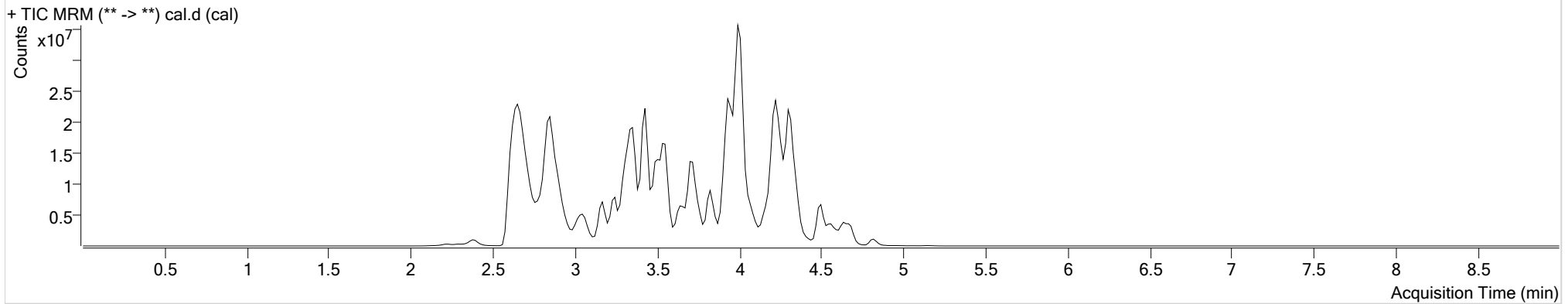
Calibration Last Update

10/1/2019 9:49:10 AM

Instrument Type Falco
Acq. Method am 25 all.m
Sample Position P1-B1
Injection Volume 5
Acq. Date-Time 9/25/2019 7:14:17 PM
Sample Info.

Data File cal.d
Sample cal
Operator
Comment

Sample Chromatogram



Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
6-MAM	2.829	23551	107.14	14291.52	524336	10.0000
7-aminoclonazepam	3.551	171024	294.23	102874.23	925798	10.0000
7-aminoflunitrazepam	3.765	1508937	6193.34	493.69	7084801	10.0000
Acetyl Fentanyl	3.701	145864	281.30	149615.85	14358017	10.0000
Acetyl Norfentanyl	2.823	154231	142599.84	178.92	6489078	10.0000
a-hydroxyalprazolam	4.483	44076	120.73	145.87	352288	10.0000
alpha-hydroxymidazolam	4.559	819516	112.76	420.16	5612019	10.0000
alpha-PVP	3.436	4509883	4299.20	∞	18112790	10.0000
Alprazolam	4.593	1039429	∞	∞	2505018	10.0000
Amitriptyline	4.353	3184690	∞	576.59	6497428	10.0000
Amphetamine	2.828	1631241	769.47	∞	3635646	10.0000
Benzoylcegonine	3.351	487586	444.80	41.71	2391173	10.0000
Buprenorphine	4.157	528333	726.27	45463.66	2371863	10.0000
Bupropion	3.649	3198247	64436.55	∞	9160957	10.0000
Carbamazepine	4.218	2743982	148.38	168.69	18332211	10.0000
Carisoprodol	4.201	195690	59704.36	37.55	1328102	10.0000
Chlordiazepoxide	4.687	309114	∞	284.47	6629501	10.0000
Chlorpheniramine	3.874	18912	144.68	∞	37135914	10.0000

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AM #25 Multi-Drug Screen Results



Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
Citalopram	4.008	1698285	102.99	271.14	7305480	10.0000
Clonazepam	4.439	117786	647.10	805.04	217271	10.0000
Cocaine	3.488	4075526	746648.85	66177.05	18008575	10.0000
Codeine	2.712	285730	2039.88	∞	1102287	10.0000
Cyclobenzaprine	4.276	2181438	∞	113.73	5566390	10.0000
Desipramine	4.308	2633316	1741.76	∞	17483615	10.0000
Dextromethorphan	3.998	1253567	89.34	∞	5914660	10.0000
Dextrorphan	3.309	2176167	171652.14	732317.27	15750752	10.0000
Diazepam	4.826	363491	358.47	∞	2005316	10.0000
Dihydrocodeine	2.680	648623	104.57	1596.13	3211407	10.0000
Diphenhydramine	3.953	5997367	367627.74	3648.65	37135914	10.0000
Doxepin	4.090	1655255	149.64	60.16	11777613	10.0000
Doxylamine	3.553	8452497	686.76	1047.79	30571093	10.0000
EDDP	3.997	2952203	15118.18	164.29	20026406	10.0000
Estazolam	4.519	1598350	279.76	234.87	5087405	10.0000
Etizolam	4.604	208075	19538.52	760171.38	5087405	10.0000
Fentanyl	3.945	152873	7385.41	104441.66	9748930	10.0000
Flunitrazepam	4.562	513258	374.63	1297.66	105407	10.0000
Fluoxetine	4.271	2250456	∞	323.10	8959237	10.0000
Flurazepam	4.051	1935020	1136130.41	33275.86	105407	10.0000
Hydrocodone	2.910	805362	508.55	523.87	4731373	10.0000
Hydromorphone	2.397	723284	∞	∞	2692495	10.0000
Imipramine	4.321	3168580	560068.06	∞	12377760	10.0000
Ketamine	3.311	2980871	15898.88	∞	13977109	10.0000
Lamotrigine	3.478	197312	723.43	9636.73	11617016	10.0000
Levamisole	2.870	3398753	∞	36445.28	18008575	10.0000
Lorazepam	4.423	21747	∞	176.81	217271	10.0000
Maprotiline	4.353	3184690	∞	252.56	6497428	10.0000
MDA	2.947	650879	403.62	159.22	3009002	10.0000
MDEA	3.175	3303883	429.61	745.62	16186386	10.0000
MDMA	3.023	4002702	∞	2223.18	2650101	10.0000
Meperidine	3.509	2270207	100.06	954.33	11617016	10.0000
Meprobamate	3.636	45144	107.94	20.05	197917	10.0000
Methadone	4.317	4772120	608.51	420.94	17408150	10.0000
Methamphetamine	2.918	2873616	∞	1123.23	17300428	10.0000
Methocarbamol	3.541	115032	174.32	197.22	11617016	10.0000
Methylphenidate	3.435	7934510	562.81	82.90	35482387	10.0000
Metoprolol	3.369	548124	10736.83	948.29	11617016	10.0000
Midazolam	4.651	419400	700.00	299.48	4379320	10.0000
Mirtazapine	3.676	3374246	143015.83	977935.71	11617016	10.0000
Mitragynine	4.081	278474	311745.67	380329.05	11777613	10.0000
Morphine	2.232	195512	∞	43.63	104297	10.0000
Norbuprenorphine	3.774	11839	44.47	93.90	73253	10.0000
Nordiazepam	4.676	120810	455.31	102.62	409441	10.0000

AM #25 Multi-Drug Screen Results



Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
Norfentanyl	3.250	3995663	22059.40	∞	16187357	10.0000
Norhydrocodone	2.881	48355	110.48	∞	681298	10.0000
Normeperidine	3.527	1367657	456.51	21.16	4616267	10.0000
Noroxycodone	2.833	391343	38.99	157.83	1122759	10.0000
Nortriptyline	4.355	1554326	998253.13	613.66	3521501	10.0000
O-desmethyl-tramadol	2.852	8255613	6641.85	90.15	35629863	10.0000
Olanzapine	3.656	2363141	∞	23282.59	70340	10.0000
Oxazepam	4.489	63854	57.88	13.96	472175	10.0000
Oxycodone	2.846	1560813	419.38	357.48	6124590	10.0000
Oxymorphone	2.288	253203	60.02	3401.34	758753	10.0000
Paroxetine	4.298	161117	∞	56880.52	8737650	10.0000
Phenazepam	4.619	122691	794.27	191.83	787391	10.0000
Phencyclidine	3.832	4061636	14448.40	12964.37	17778149	10.0000
Phentermine	3.085	791762	3342.77	6.78	9233950	10.0000
Phenytoin	4.109	13680	14.78	764.03	70340	10.0000
Promethazine	4.243	6790110	37143.21	172.09	29028848	10.0000
Pseudoephedrine	2.658	34307841	4604.25	∞	141174617	10.0000
Quetiapine	4.220	3239938	165620.82	913241.10	4238410	10.0000
Sertraline	4.502	1673749	81.87	121132.55	8737650	10.0000
Sufentanil	4.220	166936	165.86	168.16	13540650	10.0000
Tapentadol	3.374	3283014	5562.87	729.67	16934283	10.0000
Temazepam	4.641	450560	40.80	16.47	2635005	10.0000
Tramadol	3.354	7504669	703.86	184.41	31616954	10.0000
Trazodone	4.190	3116386	4436.66	1050499.37	16298558	10.0000
Venlafaxine	3.720	4450653	∞	751.14	24007053	10.0000
Zaleplon	4.334	496509	156.20	312.88	976057	10.0000
Zolpidem	3.933	5957224	∞	63505.45	30873688	10.0000
Zopiclone	3.806	344089	243.46	114562.74	1426341	10.0000

AM #25 Multi-Drug Screen Results



Batch results

D:\MassHunter\Data\2019\AM 25-26\092819 THCS MDS SP CS\QuantResults\MDS SP.batch.bin

Calibration Last Update

10/1/2019 9:49:10 AM

Instrument

Falco

Data File

negative.d

Type

Sample

Sample

negative

Acq. Method

am 25 all.m

Operator

Comment

Sample Position

P1-A4

Injection Volume

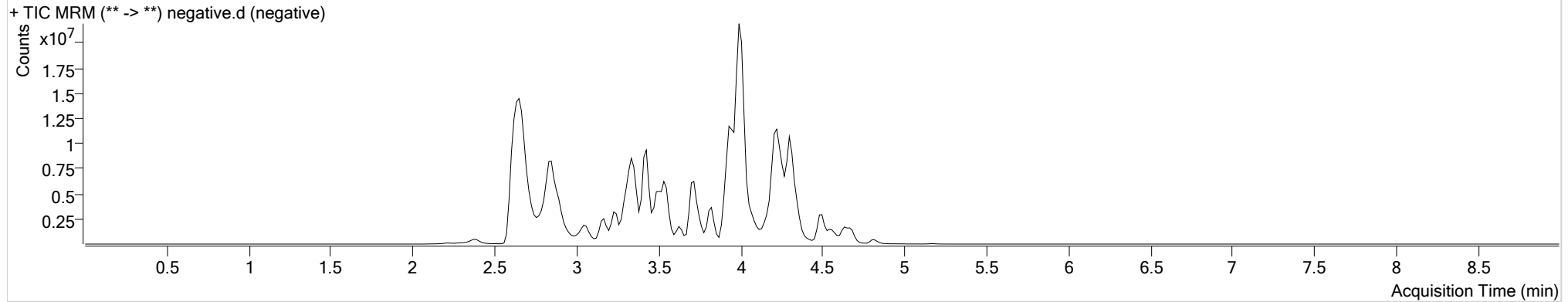
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Acq. Date-Time

9/25/2019 7:23:56 PM

Sample Info.

Sample Chromatogram



AM #25 Multi-Drug Screen Results

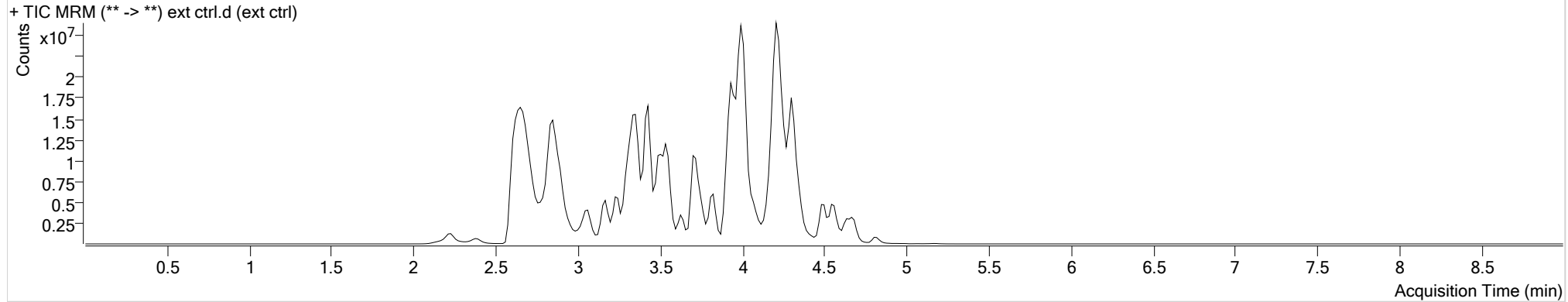


SP

Batch results D:\MassHunter\Data\2019\AM 25-26\092819 THCS MDS SP CS\QuantResults\MDS SP.batch.bin
Calibration Last Update 10/1/2019 9:49:10 AM

Instrument	Falco	Data File	ext ctrl.d
Type	Sample	Sample	ext ctrl
Acq. Method	am 25 all.m	Operator	
Sample Position	P1-B4	Comment	
Injection Volume	5		
Acq. Date-Time	9/25/2019 7:33:24 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
Flunitrazepam	4.546	4354250	6554.55	359723.10	107128	83.4730
Metoprolol	3.369	3777874	1232.58	778.57	11798096	67.8659
Morphine	2.232	1754923	∞	∞	90848	103.0483
Trazodone	4.190	25043041	19495.57	1894968.65	15373979	85.1920

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

Extraction Date: 9/28/19

Analyst: Sarah Pickle

Plate lot#: Lot # 190716 Item# IDP-108

Plate Expiration: 1/16/20

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

Column: Phenomenex Phenyl Hexyl (4.6x50mm: 2.6 um)

LCMS-QQQ ID: 069901

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. Pipette **1000 µL blood (calibrated pipette)** in wells of analytical (standards) plate. **Pipette ID: #3**
- 3. Place on shaking incubator at ambient temp., 900 rpm for 15 minutes. *Shaker ID: 067105*
- 4. Pipette **500 µL 0.1% formic acid** in wells of analytical plate.
- 5. Place on shaking incubator at ambient temp., 900 rpm for 15 minutes.
- 6. Transfer **800 µL 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: 067104
- 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: 067103
- 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.
Worklist path: D:\MassHunter\Data\2019\AM 25-26\092819 THCS MDS SP CS Batch Name: THCS SP
- 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? Y / N
- 5. Central File Packet to include: LIMS Worklist, Method Checklist, Calibration and Control Reports

COMMENTS:

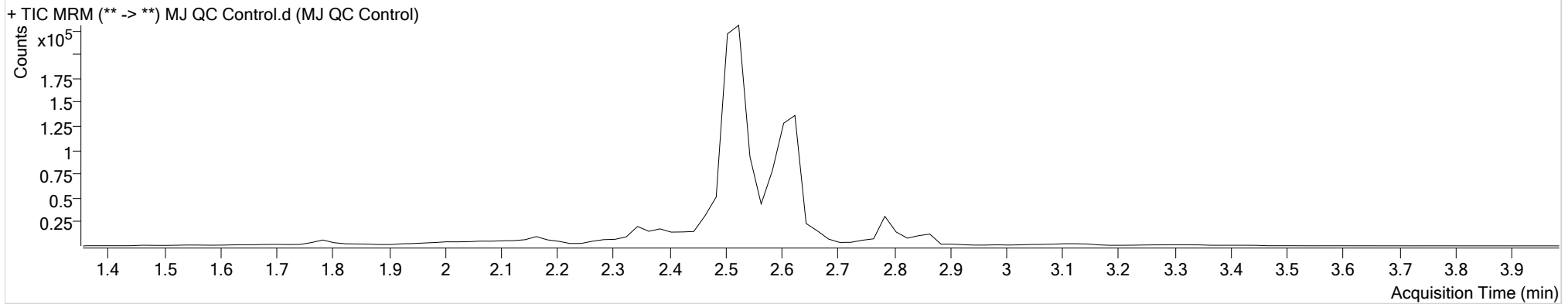
AM #26 Cannabinoids Screen Results



Batch results D:\MassHunter\Data\2019\AM 25-26\092819 THCS MDS SP CS\QuantResults\THCS SP.batch.bin
Calibration Last Update 9/30/2019 3:48:28 PM

Instrument	Falco	Data File	MJ QC Control.d
Type	Sample	Sample	MJ QC Control
Acq. Method	am 26 test.m	Operator	
Sample Position	P3-H1	Comment	
Injection Volume	10		
Acq. Date-Time	9/25/2019 3:12:24 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
THC	2.879	660	12.97	78.8	5.51 Low	21908	4.8510 ng/ml
THC-COOH	2.605	63204	1227.67	312.8 High	524.52	146570	34.0327 ng/ml
THC-OH	2.532	3898	∞	1609.4 High	∞	615996	4.2254 ng/ml

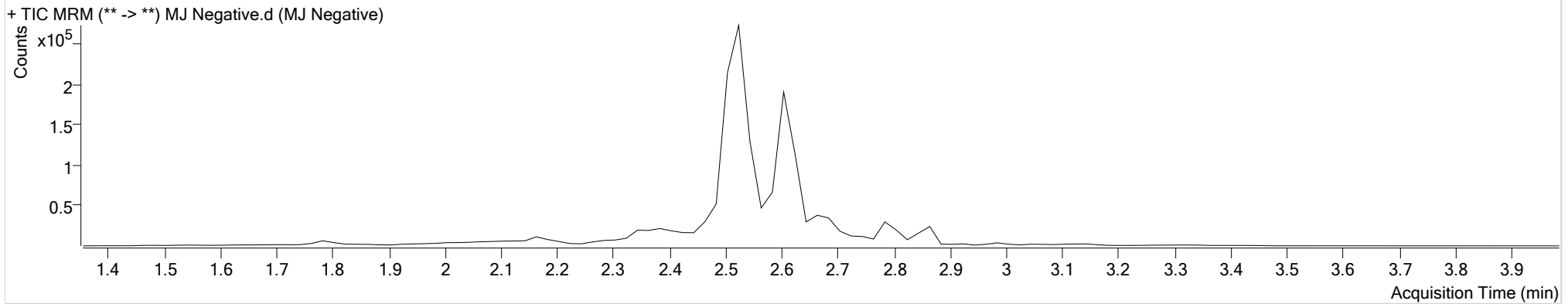
AM #26 Cannabinoids Screen Results



Batch results D:\MassHunter\Data\2019\AM 25-26\092819 THCS MDS SP CS\QuantResults\THCS SP.batch.bin
Calibration Last Update 9/30/2019 3:48:28 PM

Instrument	Falco	Data File	MJ Negative.d
Type	Sample	Sample	MJ Negative
Acq. Method	am 26 test.m	Operator	
Sample Position	P3-A2	Comment	
Injection Volume	10		
Acq. Date-Time	9/25/2019 3:25:26 PM		
Sample Info.			

Sample Chromatogram



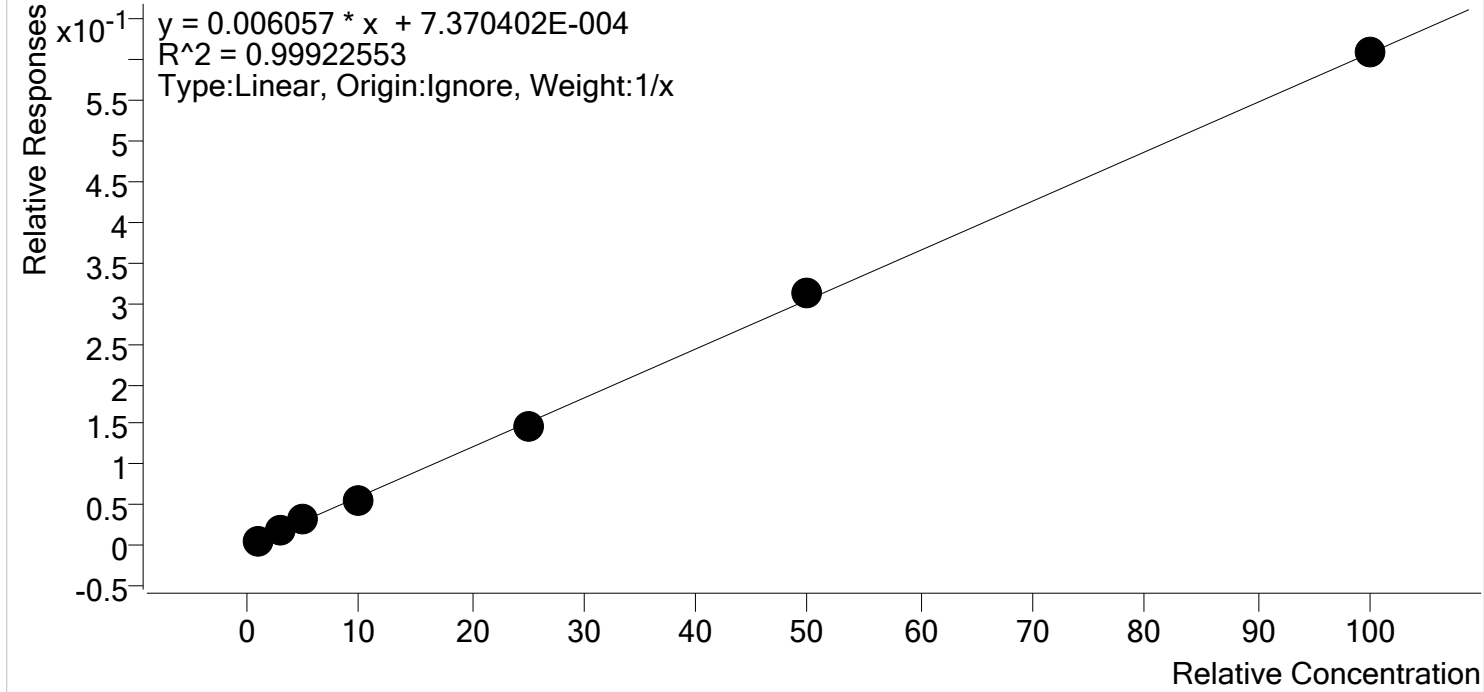
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
THC-OH	2.592 High	760	0.58 Low	15300.5 High	∞	722912	0.7431 ng/ml



AM #26 Cannabinoids Screen Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 25-26\092819 THCS MDS SP CS\QuantResults\THCS SP.batch.bin
Last Cal. Update 9/30/2019 3:48 PM
Analyst Name ISP\datastor
Analyte THC **Internal Standard** THC-D3

THC - 7 Levels, 7 Levels Used, 7 Points, 7 Points Used, 0 QCs



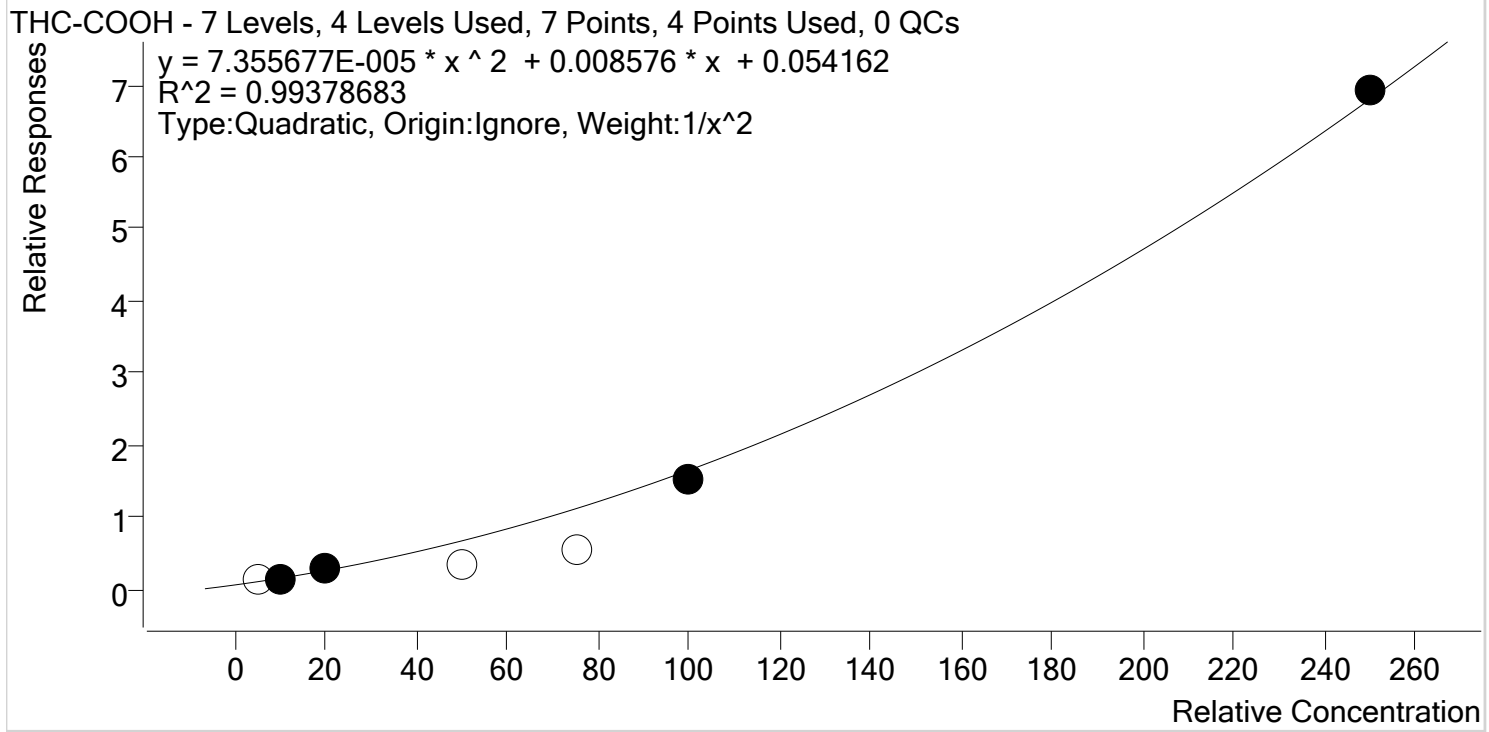
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
MJ Cal 1	1	✓	1.0	1.1	106.8
MJ Cal 2	2	✓	3.0	3.0	98.8
MJ Cal 3	3	✓	5.0	5.1	102.8
MJ Cal 4	4	✓	10.0	9.2	91.7
MJ Cal 5	5	✓	25.0	24.3	97.2
MJ Cal 6	6	✓	50.0	51.3	102.5
MJ Cal 7	7	✓	100.0	100.1	100.1

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AM #26 Cannabinoids Screen Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 25-26\092819 THCS MDS SP CS\QuantResults\THCS SP.batch.bin
Last Cal. Update 9/30/2019 3:48 PM
Analyst Name ISP\datastor
Analyte THC-COOH **Internal Standard** THC-COOH-D9

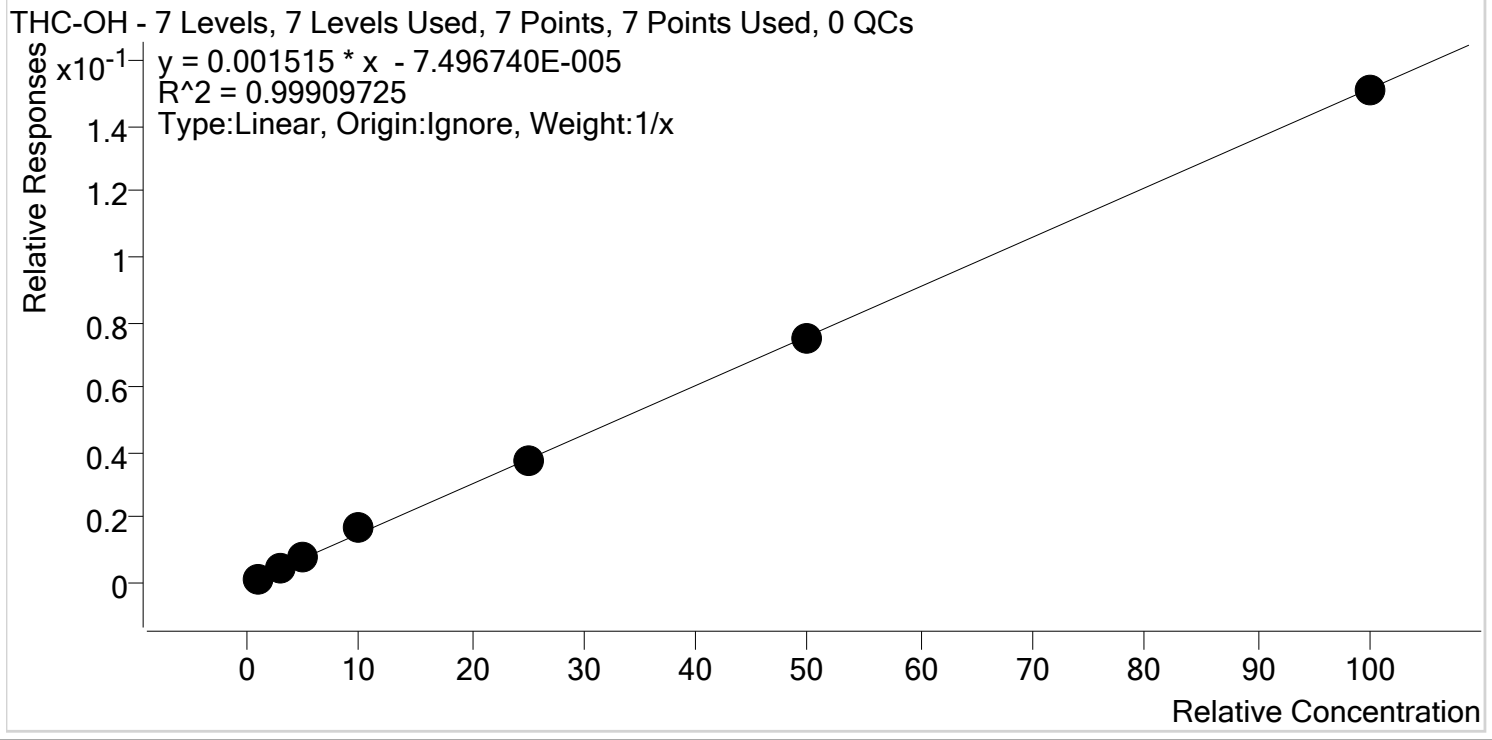


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
MJ Cal 1	1	x	5.0	10.7	214.0
MJ Cal 2	2	✓	10.0	9.3	92.7
MJ Cal 3	3	✓	20.0	22.9	114.7
MJ Cal 4	4	x	50.0	27.5	54.9
MJ Cal 5	5	x	75.0	41.4	55.2
MJ Cal 6	6	✓	100.0	93.6	93.6
MJ Cal 7	7	✓	250.0	252.6	101.0



AM #26 Cannabinoids Screen Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 25-26\092819 THCS MDS SP CS\QuantResults\THCS SP.batch.bin
Last Cal. Update 9/30/2019 3:48 PM
Analyst Name ISP\datastor
Analyte THC-OH **Internal Standard** THC-OH-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
MJ Cal 1	1	✓	1.0	0.9	89.6
MJ Cal 2	2	✓	3.0	2.9	95.6
MJ Cal 3	3	✓	5.0	5.4	108.4
MJ Cal 4	4	✓	10.0	10.9	109.2
MJ Cal 5	5	✓	25.0	24.5	97.9
MJ Cal 6	6	✓	50.0	49.8	99.6
MJ Cal 7	7	✓	100.0	99.6	99.6

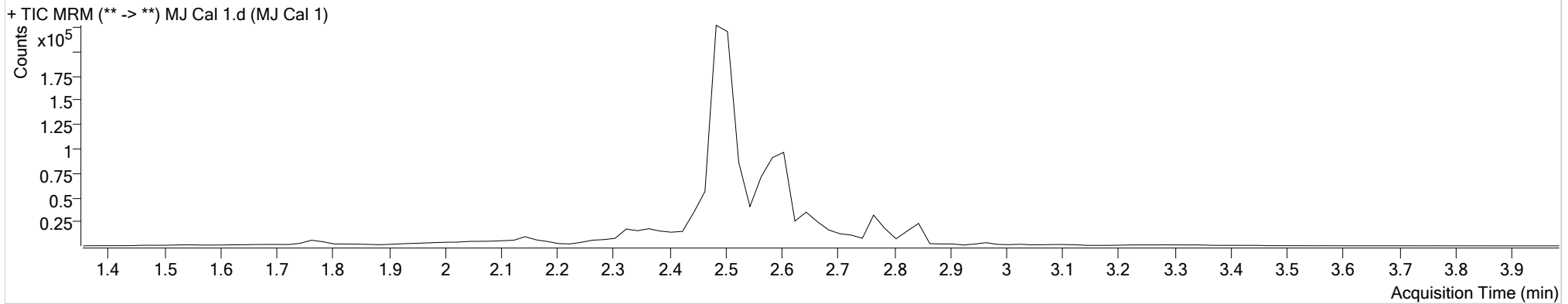
AM #26 Cannabinoids Screen Results



Batch results D:\MassHunter\Data\2019\AM 25-26\092819 THCS MDS SP CS\QuantResults\THCS SP.batch.bin
Calibration Last Update 9/30/2019 3:48:28 PM

Instrument	Falco	Data File	MJ Cal 1.d
Type	Cal	Sample	MJ Cal 1
Acq. Method	am 26 test.m	Operator	
Sample Position	P3-A1	Comment	
Injection Volume	10		
Acq. Date-Time	9/25/2019 2:26:40 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
THC	2.859	285	0.76 Low	184.4 High	∞	39548	1.0679 ng/ml
THC-COOH	2.585	21293	15.46	838.2 High	21.38	137949	10.7007 ng/ml
THC-OH	2.512	815	5.03 Low	3860.0 High	∞	634913	0.8961 ng/ml

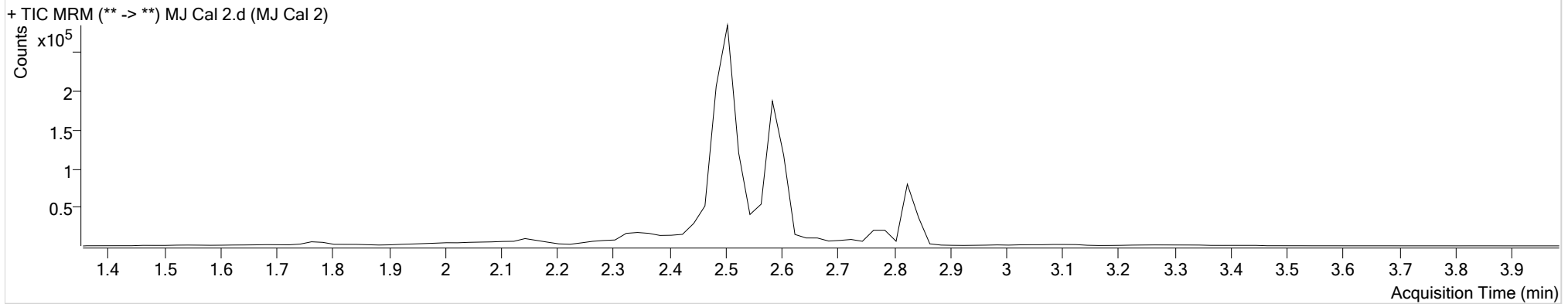
AM #26 Cannabinoids Screen Results



Batch results D:\MassHunter\Data\2019\AM 25-26\092819 THCS MDS SP CS\QuantResults\THCS SP.batch.bin
Calibration Last Update 9/30/2019 3:48:28 PM

Instrument	Falco	Data File	MJ Cal 2.d
Type	Cal	Sample	MJ Cal 2
Acq. Method	am 26 test.m	Operator	
Sample Position	P3-B1	Comment	
Injection Volume	10		
Acq. Date-Time	9/25/2019 2:33:22 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
THC	2.839	2422	90.97	12.8 Low	0.22 Low	129623	2.9636 ng/ml
THC-COOH	2.605	37432	616.91	37.8 High	2.20 Low	267471	9.2667 ng/ml
THC-OH	2.512	2916	20.91	1782.3 High	4.86 Low	682724	2.8682 ng/ml

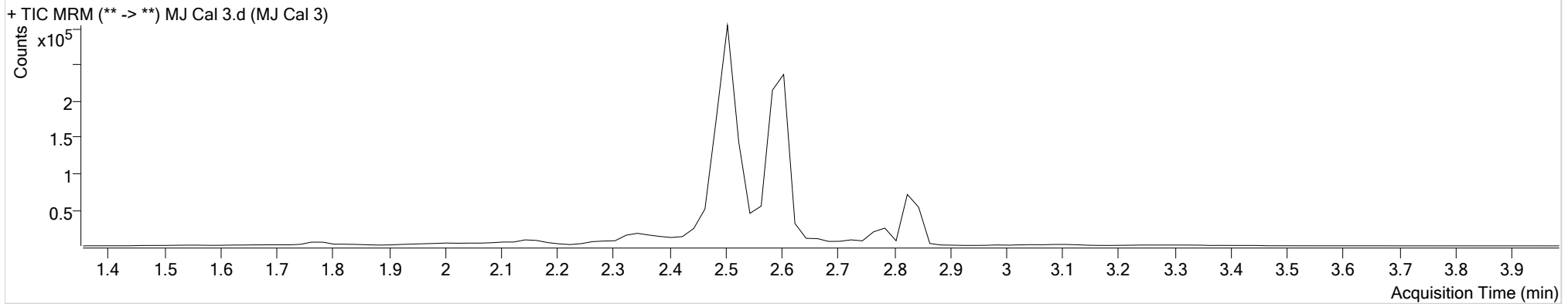
AM #26 Cannabinoids Screen Results



Batch results D:\MassHunter\Data\2019\AM 25-26\092819 THCS MDS SP CS\QuantResults\THCS SP.batch.bin
Calibration Last Update 9/30/2019 3:48:28 PM

Instrument	Falco	Data File	MJ Cal 3.d
Type	Cal	Sample	MJ Cal 3
Acq. Method	am 26 test.m	Operator	
Sample Position	P3-C1	Comment	
Injection Volume	10		
Acq. Date-Time	9/25/2019 2:39:52 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
THC	2.839	4380	32.77	32.9 Low	25.37	137396	5.1419 ng/ml
THC-COOH	2.605	91665	986.29	233.4 High	357.77	316622	22.9323 ng/ml
THC-OH	2.512	5638	57.16	2039.1 High	∞	692523	5.4220 ng/ml

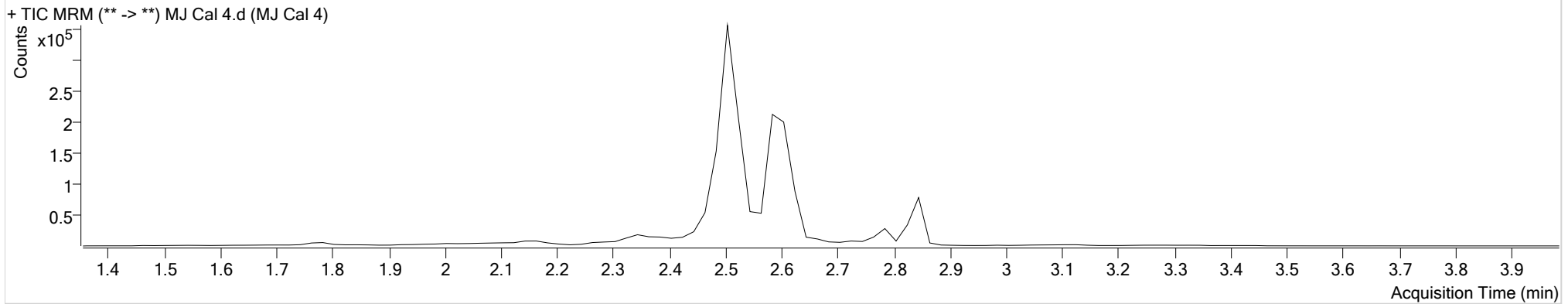
AM #26 Cannabinoids Screen Results



Batch results D:\MassHunter\Data\2019\AM 25-26\092819 THCS MDS SP CS\QuantResults\THCS SP.batch.bin
Calibration Last Update 9/30/2019 3:48:28 PM

Instrument	Falco	Data File	MJ Cal 4.d
Type	Cal	Sample	MJ Cal 4
Acq. Method	am 26 test.m	Operator	
Sample Position	P3-D1	Comment	
Injection Volume	10		
Acq. Date-Time	9/25/2019 2:46:23 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
THC	2.859	6737	354.35	20.2 Low	23.95	119662	9.1735 ng/ml
THC-COOH	2.585	103417	719.53	341.6 High	300.56	299755	27.4509 ng/ml
THC-OH	2.512	12409	68.89	1335.3 High	∞	753548	10.9176 ng/ml

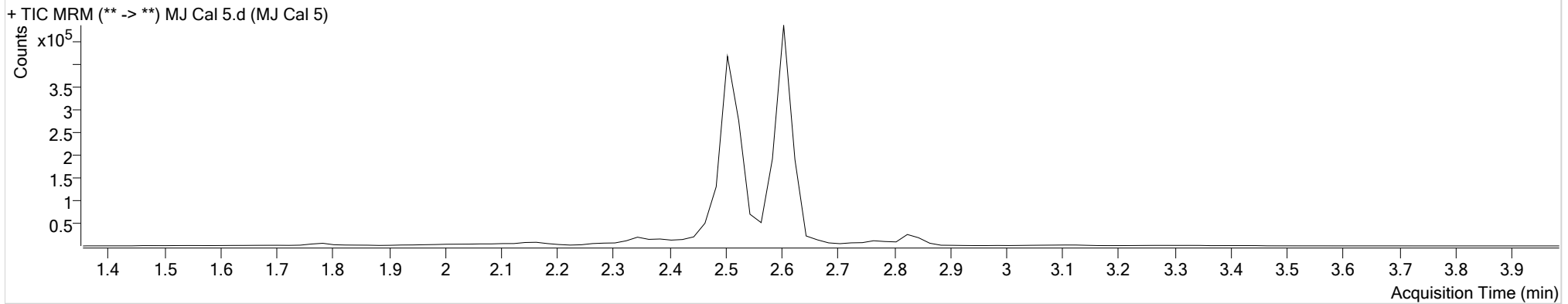
AM #26 Cannabinoids Screen Results



Batch results D:\MassHunter\Data\2019\AM 25-26\092819 THCS MDS SP CS\QuantResults\THCS SP.batch.bin
Calibration Last Update 9/30/2019 3:48:28 PM

Instrument	Falco	Data File	MJ Cal 5.d
Type	Cal	Sample	MJ Cal 5
Acq. Method	am 26 test.m	Operator	
Sample Position	P3-E1	Comment	
Injection Volume	10		
Acq. Date-Time	9/25/2019 2:52:53 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
THC	2.839	5540	∞	72.7	87.95	37433	24.3119 ng/ml
THC-COOH	2.625	160914	405.17	366.0 High	88.94	300374	41.4297 ng/ml
THC-OH	2.512	28497	580.73	1054.7 High	∞	769608	24.4858 ng/ml

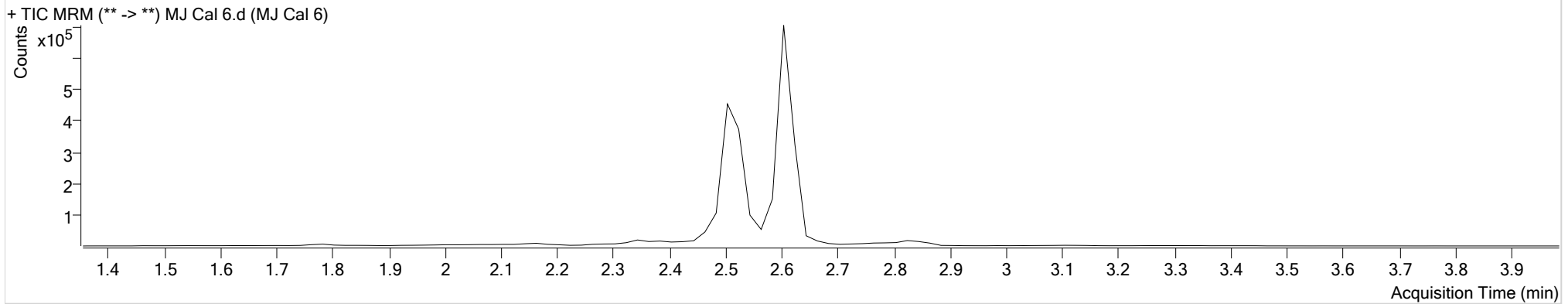
AM #26 Cannabinoids Screen Results



Batch results D:\MassHunter\Data\2019\AM 25-26\092819 THCS MDS SP CS\QuantResults\THCS SP.batch.bin
Calibration Last Update 9/30/2019 3:48:28 PM

Instrument	Falco	Data File	MJ Cal 6.d
Type	Cal	Sample	MJ Cal 6
Acq. Method	am 26 test.m	Operator	
Sample Position	P3-F1	Comment	
Injection Volume	10		
Acq. Date-Time	9/25/2019 2:59:23 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
THC	2.839	7643	37.94	35.6 Low	∞	24558	51.2584 ng/ml
THC-COOH	2.605	424347	6798.89	165.8 High	98.21	282753	93.5765 ng/ml
THC-OH	2.512	54505	204.25	887.7 High	∞	722853	49.8117 ng/ml

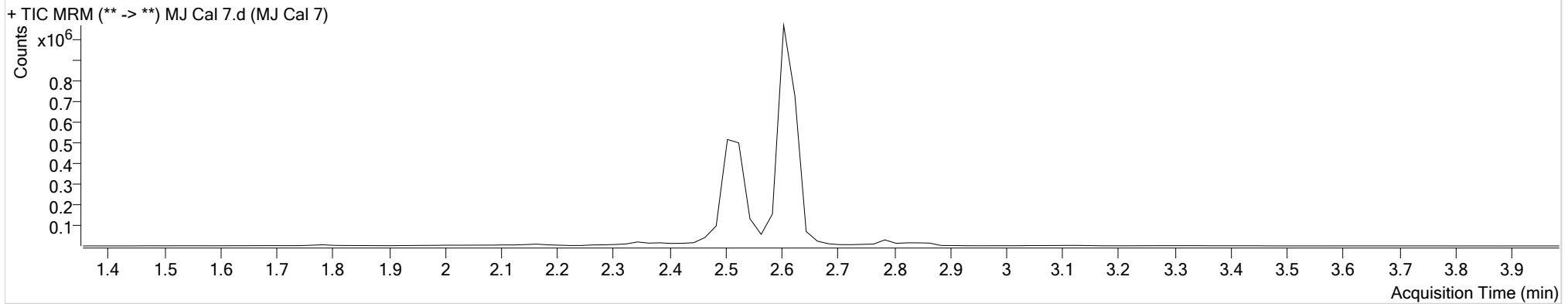
AM #26 Cannabinoids Screen Results



Batch results D:\MassHunter\Data\2019\AM 25-26\092819 THCS MDS SP CS\QuantResults\THCS SP.batch.bin
Calibration Last Update 9/30/2019 3:48:28 PM

Instrument	Falco	Data File	MJ Cal 7.d
Type	Cal	Sample	MJ Cal 7
Acq. Method	am 26 test.m	Operator	
Sample Position	P3-G1	Comment	
Injection Volume	10		
Acq. Date-Time	9/25/2019 3:05:54 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
THC	2.879	12865	∞	32.7 Low	∞	21197	100.0827 ng/ml
THC-COOH	2.605	875806	∞	159.2 High	∞	126655	252.6230 ng/ml
THC-OH	2.512	96835	354.34	829.8 High	∞	641957	99.5986 ng/ml