



















10/29/2024

REVIEWED

By Britany Wylie at 1:50 pm, Oct 30, 2024

Worklist: 6959

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
C2024-1882	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
C2024-1975	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
C2024-2002	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
C2024-2003	1	UCK	AM 25/AM 26 Urine MultiDrug/THC Screen by LC-QQQ	
C2024-2021	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
C2024-2029	1	UCK	AM 25/AM 26 Urine MultiDrug/THC Screen by LC-QQQ	
C2024-2043	1	AVK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
C2024-2062	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
C2024-2069	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
C2024-2069	2	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
C2024-2071	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
C2024-2078	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
C2024-2099	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
C2024-2105	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
C2024-2106	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ	
M2024-3547	4	UCK	AM 25/AM 26 Urine MultiDrug/THC Screen by LC-QQQ	



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

Extraction Date: 10/28/24

Plate lot#: 240524

Mobile phase A: 10mM Amm Form

Blank Blood Lot: 24C52043

LCMS-QQQ ID: 69679

Analyst: Anne Nord

Plate Retest Date: 11/24/2024

Mobile phase B: 0.1% Formic Acid in MeOH

Blank Urine Lot: 6524

Column: Agilent Phenyl Hexyl (4.6x50mm, 2.7um)

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. Using a calibrated pipette, pipette **250µL blood and urine** (if applicable) into wells of analytical (standards) plate.
Pipette ID: 390993 Urine samples add 40µL BG Turbo, and 100µL Instant Buffer I. Place on plate shaker for 5 minutes
- ☒ 3. Pipette **250µL 0.5 M ammonium hydroxide** in wells of analytical plate.
- ☒ 4. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- ☒ 5. Transfer **200-450µL of blood+base and urine+base (if applicable)** mixture to corresponding wells of SLE+ plate.
Amount transferred: 250
- ☒ 6. 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).
- ☒ 7. Wait 5 minutes.
- ☒ 8. Add **900uL ethyl acetate**.
- ☒ 9. Wait 5 minutes.
- ☒ 10. Apply positive pressure for approx. 15 seconds. **(10-15 PSI- Selector to the left).**
- ☒ 11. Add **900uL ethyl acetate**.
- ☒ 12. Wait 5 minutes.
- ☒ 13. Apply positive pressure for approx. 15 seconds. **(10-15 PSI- Selector to the left).**
- ☒ 14. Remove plate containing eluate. Place on SPE Dry and evaporate to dryness at approx. 35°C. ☒ If run contains urine or at the analyst's discretion, add 50µL 1% HCl in MeOH to wells and place plate cover on plate before drying (optional). SPE Dry ID: 75401
- ☒ 15. Reconstitute in **100µL 20% 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 of 5 or greater or 2-5 for discretionary range.
- ☒ 4. Did all QCs pass for each analyte? If no, describe issue in comments (below).
- ☒ 5. Central File Packet to include: LIMS Worklist, Method Checklist, Calibration and Control Reports

COMMENTS:

Gabapentin was not evaluated in this run, due to poor response on the calibrator.

	1	2	3	4	5	6	7	8	9	10	11	12
A					2069-1							2029-1
B	cal 1			negative blood	2069-2							m2024-3547-4
C				1882-1	2071-1							2003-1
D	internal urine control			1975-1	2078-1							
E				2002-1	2099-1							
F				2021-1	2105-1							
G				2043-1	2106-1							
H				2062-1	negative urine							

C2024-_____-

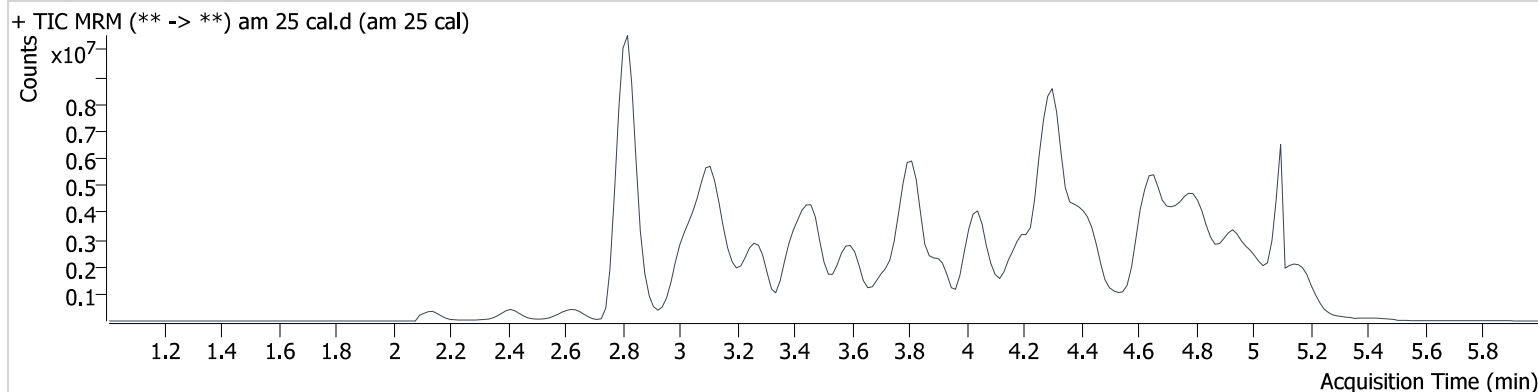
plate position 2

AM #25 Multi-Drug Screen Results

Batch results D:\MassHunter\Data\2024\am 25-26\102824\QuantResults\am 25.batch.bin
Calibration Last Update 10/29/2024 3:18:13 PM

Instrument	69679	Data File	am 25 cal.d
Type	Cal	Sample	am 25 cal
Acq. Method	mds 4324.m	Operator	Anne Nord
Sample Position	P2-B1	Comment	
Injection Volume	2.5		
Acq. Date-Time	10/28/2024 2:34:34 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
10-OH-Carbamazepine	3.925	827056	2315.9	190.1	665955	10.000
6-MAM	3.089	26823	10291.1	6649.5	732569	10.000
7-aminoclonazepam	3.675	190794	44451.0	70445.7	906119	10.000
7-aminoflunitrazepam	3.906	485312	548.2	28803.2	906119	10.000
9-Hydroxyrisperidone	4.205	2717126	375.6	12871.6	906119	10.000
Acetyl Fentanyl	4.196	158980	88.0	29178.7	4468939	10.000
Acetyl Norfentanyl	2.991	60709	313.5	∞	14287460	10.000
a-hydroxyalprazolam	4.763	56682	∞	29.3	665955	10.000
alpha-hydroxymidazolam	4.823	394825	958.2	188.7	3913961	10.000
alpha-PHP	4.064	1667660	12178.5	118.5	3938350	10.000
alpha-PVP	3.757	2214893	1497.5	1464.0	3938350	10.000
Alprazolam	4.842	764405	258.1	236.2	665955	10.000
Amitriptyline	4.800	947682	236.9	43.9	3803358	10.000
Amphetamine	3.042	1463120	590.9	807.8	3938350	10.000
Benzoyllecgonine	3.505	25918	6659.2	21.6	101547	10.000
Bromazepam	4.929	588213	621.9	1075.3	3913961	10.000
Brompheniramine	4.349	50318	9625.7	∞	32592076	10.000
Buprenorphine	5.216	4423	1646.3	3081.6	1092692	10.000
Bupropion	4.065	2095426	7621.9	605.2	8081515	10.000
Carbamazepine	4.419	3379626	∞	1284.0	3646828	10.000
Carisoprodol	4.355	507101	100.8	117.5	2791105	10.000
Chlordiazepoxide	5.028	248484	∞	∞	3913961	10.000
Chlorpheniramine	4.231	2970229	6892.0	282.8	32592076	10.000
Chlorpromazine	5.071	879955	331.5	216545.2	5006303	10.000
Citalopram	4.394	1479315	54.2	262862.5	32592076	10.000
Clomipramine	5.056	1170517	54.7	1751.8	2086058	10.000
Clonazepam	4.703	150823	327.2	241.2	665955	10.000
Clonazepam	4.576	219995	60136.3	21947.2	665955	10.000
clozapine	4.824	2195776	79695.2	326337.8	7881963	10.000
Cocaeethylene	4.027	2279127	533245.4	2131.4	12755492	10.000
Cocaine	3.812	2747144	500.3	1665.2	12755492	10.000
Codeine	3.000	222098	23023.3	12145.7	3646828	10.000
Cyclobenzaprine	4.708	1544356	329174.1	113.4	3803358	10.000
Desipramine	4.725	2555916	221630.0	484.2	3803358	10.000

am 25 cal

Generated at 3:18 PM on 10/29/2024

AM #25 Multi-Drug Screen Results

Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
Dextromethorphan	4.354	1091654	366.0	159934.2	5629206	10.000
Dextrorphan	3.556	1519329	108.8	1992.7	3938350	10.000
Diazepam	5.121	460498	143.9	39201.9	3913961	10.000
Dihydrocodeine	2.862	632569	468.7	1603.7	3646828	10.000
Dimethyltryptamine	3.115	1090837	2581.9	6615.4	3938350	10.000
Diphenhydramine	4.309	4321387	3246.9	695.2	32592076	10.000
Doxepin	4.491	984087	92.9	58.8	7881963	10.000
Doxylamine	3.830	4523689	739.4	362.6	3938350	10.000
Duloxetine	4.660	46056	326.8	1162.8	2086058	10.000
EDDP	4.322	273879	210.6	383.4	1449085	10.000
Estazolam	4.752	1415364	1001.1	115.0	3913961	10.000
Etizolam	4.838	58226	10744.7	81429.5	3913961	10.000
Fentanyl	4.439	125242	39.8	20116.6	8101935	10.000
Flualprazolam	4.670	271808	598.0	867.0	3913961	10.000
Flunitrazepam	4.811	585867	1200.7	58914.0	665955	10.000
Fluorofentanyl	4.499	107586	19244.7	1649.0	8101935	10.000
Fluoxetine	4.628	1333831	274082.7	42896.8	2086058	10.000
Flurazepam	4.544	1417566	605537.8	59.5	1092692	10.000
Hydrocodone	3.229	721350	451.8	228.3	3646828	10.000
Hydromorphone	2.592	463515	438.0	270.0	5438016	10.000
hydroxyzine	4.943	1724041	905.6	4636.0	7881963	10.000
Imipramine	4.769	2880475	9996.2	365.6	3803358	10.000
Ketamine	3.911	1619562	909.9	99.1	5438016	10.000
Lamotrigine	3.786	1106577	2533.2	326522.3	3938350	10.000
Levamisole	3.160	927148	523257.7	250.9	12755492	10.000
Levetiracetam	2.644	468280	448.4	941.1	906119	10.000
Lorazepam	4.672	22840	∞	∞	665955	10.000
Maprotiline	4.769	709422	147.7	60.6	3803358	10.000
MDA	3.161	1322904	199.3	184.9	11892271	10.000
MDEA	3.405	2275394	366.8	176.9	11892271	10.000
MDMA	3.238	2284657	1779053.0	385.4	11892271	10.000
Meperidine	3.818	1360008	512.7	223.5	732569	10.000
Meprobamate	3.774	150569	299.0	42.3	2791105	10.000
Methadone	4.704	2990521	791.3	9088.0	4468939	10.000
Methamphetamine	3.132	1492425	302524551368179.0	7203.9	11892271	10.000
Methocarbamol	3.710	154355	77.3	150.9	3646828	10.000
Methylphenidate	3.726	4539079	9606.5	3467.6	9847190	10.000
Metoprolol	3.616	382145	131.5	1997.0	3938350	10.000
Midazolam	4.992	276773	56358.7	88879.4	906119	10.000
Mirtazapine	4.432	1420323	1855.5	6520.5	1092692	10.000
Mitragynine	4.543	170468	28612.8	219758.2	8101935	10.000
Morphine	2.411	162741	523.5	953.1	129601	10.000
Norbuprenorphine	4.052	30258	4408.8	6625.3	1092692	10.000
Nordiazepam	4.969	161839	898.1	91.8	3913961	10.000
Norfentanyl	3.481	2842413	28914.3	304.7	14287460	10.000
Norhydrocodone	3.077	39044	170.5	28.2	3646828	10.000
norketamine	4.035	248401	77.3	147532.3	5438016	10.000
Normeperidine	3.804	1367769	1509.8	110.2	732569	10.000
Noroxycodone	3.014	615192	∞	166.4	3646828	10.000
Nortriptyline	4.771	886816	150650.3	155.6	2086058	10.000
O-desmethyl-tramadol	3.019	3467053	1933.6	208.6	4468939	10.000
O-Desmethylvenlafaxine	3.401	978779	∞	∞	4468939	10.000
Olanzapine	4.134	437364	113941.2	224.6	2086058	10.000
Oxazepam	4.768	112748	∞	15.3	665955	10.000
Oxycodone	3.090	1181343	1263.8	250.7	5438016	10.000
Oxymorphone	2.407	567970	278.0	1537.6	5438016	10.000
Paroxetine	4.670	152671	∞	∞	2086058	10.000
Phenazepam	4.883	289996	94378.9	29052.3	3913961	10.000
Phencyclidine	4.141	2462230	1820.0	302.0	4468939	10.000



AM #25 Multi-Drug Screen Results

Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
Phentermine	3.300	825574	∞	∞	9847190	10.000
Phenytoin	4.295	72832	2532.5	2659.1	41318	10.000
primidone	3.559	1416219	432970.5	221.5	14287460	10.000
Promethazine	4.738	2946650	871.9	34.7	3803358	10.000
Pseudoephedrine	2.826	43914801	3134.1	13469.9	9847190	10.000
Quetiapine	4.973	2350643	383646.0	190203.4	2086058	10.000
Risperidone	4.436	2229067	316863.4	196.9	32592076	10.000
Sertraline	4.965	440889	29590.9	1307.6	2086058	10.000
Sufentanil	4.882	107840	24892.5	186.6	8101935	10.000
Tapentadol	3.620	2554335	266.7	486.7	5438016	10.000
Temazepam	4.920	769834	209.5	37.6	3913961	10.000
Topiramate	3.963	90548	20917.6	12982.4	38143	10.000
Tramadol	3.601	7314870	∞	30.4	732569	10.000
Trazodone	5.188	2171557	321229.0	437443.2	8696860	10.000
Venlafaxine	4.030	3219628	5404.6	283.8	4468939	10.000
Xylazine	3.543	163098	∞	∞	4468939	10.000
Zaleplon	4.567	620076	114910.6	197626.3	665955	10.000
Zolpidem	4.643	3769377	844210.7	136095.8	17253595	10.000
Zopiclone	4.667	317327	∞	4477.5	1716091	10.000

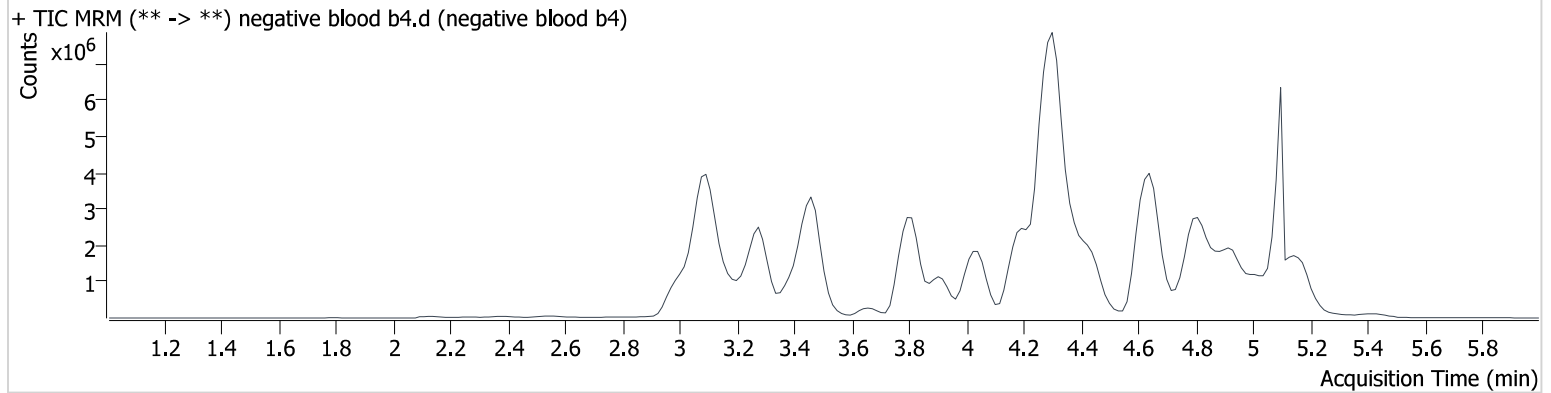
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AM #25 Multi-Drug Screen Results

Batch results D:\MassHunter\Data\2024\am 25-26\102824\QuantResults\am 25.batch.bin
Calibration Last Update 10/29/2024 3:18:13 PM

Instrument	69679	Data File	negative blood b4.d
Type	Sample	Sample	negative blood b4
Acq. Method	mds 4324.m	Operator	Anne Nord
Sample Position	P2-B4	Comment	
Injection Volume	2.5		
Acq. Date-Time	10/28/2024 3:02:36 PM		
Sample Info.			

Sample Chromatogram

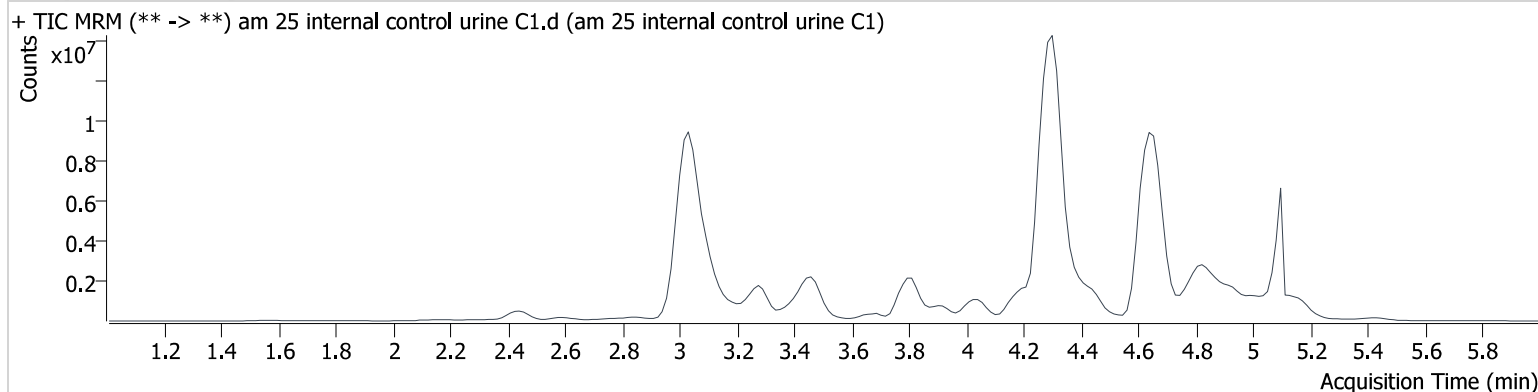


AM #25 Multi-Drug Screen Results

Batch results D:\MassHunter\Data\2024\am 25-26\102824\QuantResults\am 25.batch.bin
Calibration Last Update 10/29/2024 3:18:13 PM

Instrument	69679	Data File	am 25 internal control urine C1.d
Type	Sample	Sample	am 25 internal control urine C1
Acq. Method	mds 4324.m	Operator	Anne Nord
Sample Position	P2-D1	Comment	
Injection Volume	2.5		
Acq. Date-Time	10/28/2024 2:55:43 PM		
Sample Info.			

Sample Chromatogram



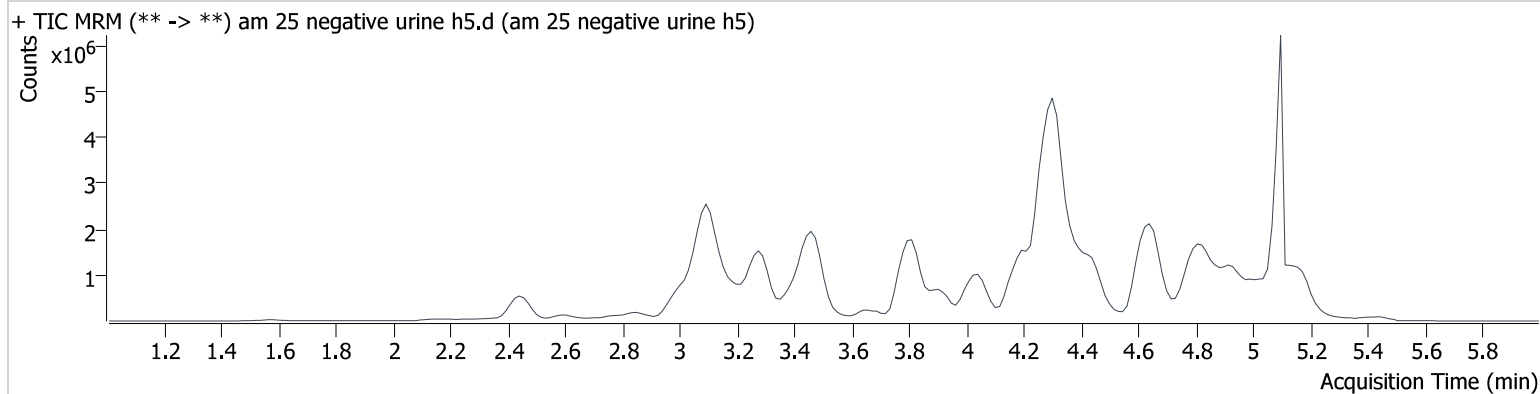
Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
Alprazolam	4.842	3060611	69.7	69.5	452838	58.883
Amphetamine	3.042	10927941	12685.9	4008.7	2597267	113.255
Codeine	3.000	1580302	1608.4	860.9	2387280	108.694
Diphenhydramine	4.304	38839249	23738.5	6636.0	23808103	123.037
Zolpidem	4.659	31838097	196486.3	3469.3	12240504	119.058

AM #25 Multi-Drug Screen Results

Batch results D:\MassHunter\Data\2024\am 25-26\102824\QuantResults\am 25.batch.bin
Calibration Last Update 10/29/2024 3:18:13 PM

Instrument	69679	Data File	am 25 negative urine h5.d
Type	Sample	Sample	am 25 negative urine h5
Acq. Method	mds 4324.m	Operator	Anne Nord
Sample Position	P2-H5	Comment	
Injection Volume	2.5		
Acq. Date-Time	10/28/2024 4:36:55 PM		
Sample Info.			

Sample Chromatogram





AM# 26: Screening of THC and Metabolites in Blood and Urine by LC-MS/MS

Extraction Date: 10/28/24

Plate lot#: 240513

Mobile phase A: 10mM Amm Form in LCMS water

Blank Blood Lot: 24C52043

LCMS-QQQ ID: 69679

Analyst: Anne Nord

Plate Retest Date: 11/13/2024

Mobile phase B: 0.1% Formic acid in MeOH

Blank Urine Lot: 6524

Column: Agilent Phenyl Hexyl (4.6x50mm, 2.7um)

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. Using a calibrated pipette, pipette 1000µL blood or 1000µL urine in wells of analytical (standards) plate. **Pipette ID: K52558G**
- ☒ 3. **Urine hydrolysis add 100 ul BG turbo, and 200 ul BG turbo buffer to the urine samples in wells of the analytical plate.**
- ☒ 4. Add **500µL of 0.1% formic acid in water** in the wells of the analytical plate
- ☒ 5. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- ☒ 6. Transfer **700-800µL of blood+acid or urine+acid** mixture to corresponding wells of SLE+ plate.
Amount transferred: **750 µL**
- ☒ 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)
- ☒ 8. Wait 5 minutes.
- ☒ 9. Add **2.25mL 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 **2.25mL 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 75401 and evaporate to dryness at approx. 35°C.
- ☒ 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. Make any necessary integration changes, R² values ≥0.98 for each analyte
- ☒ 3. RT +/- 2% or 0.100 min, whichever is greater
- ☒ 4. Confirmation testing on case samples with a response for THC and OH-THC of 3ng/mL or greater and/or Carboxy-THC at 10ng/mL or greater (analyst discretion between 5-10ng/mL) may be pursued.
- ☒ 5. Did all QCs pass for each analyte? (if not, describe in comments section)
- ☒ 6. Central File Packet to include: LIMS Worklist, Method Checklist, Calibration and Control Reports

COMMENTS:



	1	2	3	4	5	6
a	cal 1	Internal control urine	2069-1	2003-1		
b	cal 2	negative blood	2071-1	2029-1		
c	cal 3	1882-1	2078-1			
d	cal 4	1975-1	2099-1			
e	cal 5	2002-1	2105-1			
f	cal 6	2021-1	2106-1			
g	cal 7	2043-1	negative urine			
h	Internal control (blood)	2062-1	M2024-3547-4			

Plate position 3

c2024-____-__

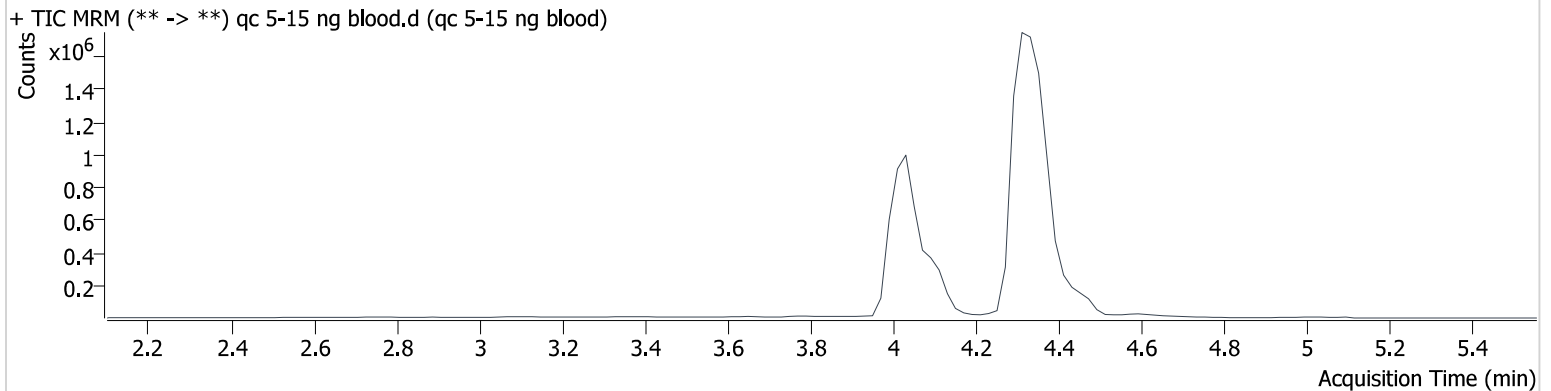
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AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2024\am 25-26\102824\QuantResults\am 26 batch.batch.bin
Calibration Last Update 10/29/2024 3:12:05 PM

Instrument	69679	Data File	qc 5-15 ng blood.d
Type	QC	Sample	qc 5-15 ng blood
Acq. Method	am 26 cann scr 5-5-20.m	Operator	Anne Nord
Sample Position	P3-H1	Comment	
Injection Volume	5		
Acq. Date-Time	10/28/2024 6:36:35 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	4.425	9009	185314	5.120 ng/ml
THC-COOH	4.093	162488	832715	14.914 ng/ml
THC-OH	4.039	30567	3850821	4.873 ng/ml

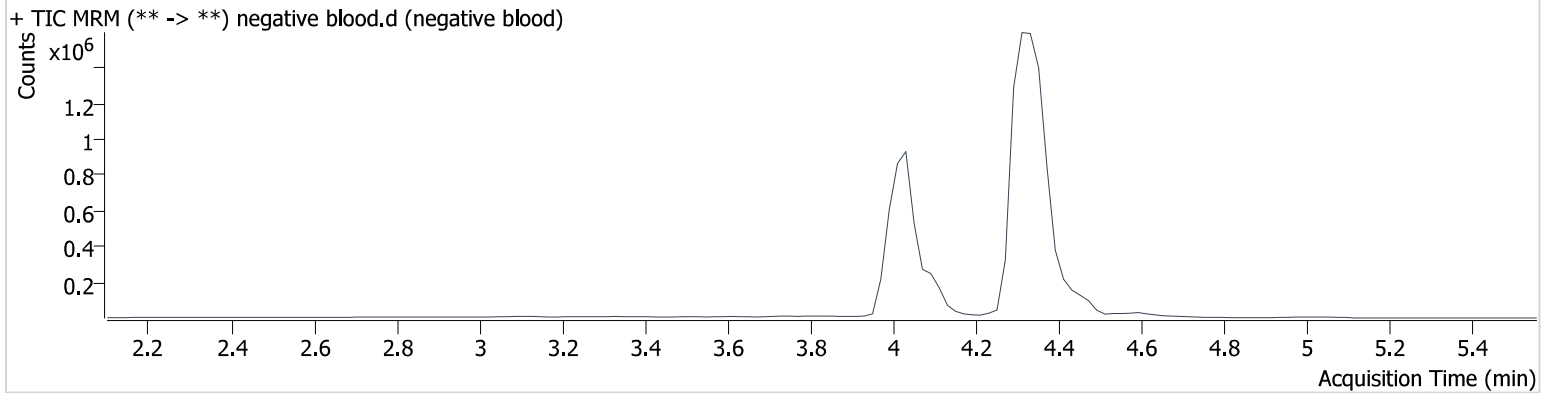
[Signature]

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2024\am 25-26\102824\QuantResults\am 26 batch.batch.bin
Calibration Last Update 10/29/2024 3:12:05 PM

Instrument	69679	Data File	negative blood.d
Type	Sample	Sample	negative blood
Acq. Method	am 26 cann scr 5-5-20.m	Operator	Anne Nord
Sample Position	P3-B2	Comment	
Injection Volume	5		
Acq. Date-Time	10/28/2024 6:49:30 PM		
Sample Info.			

Sample Chromatogram



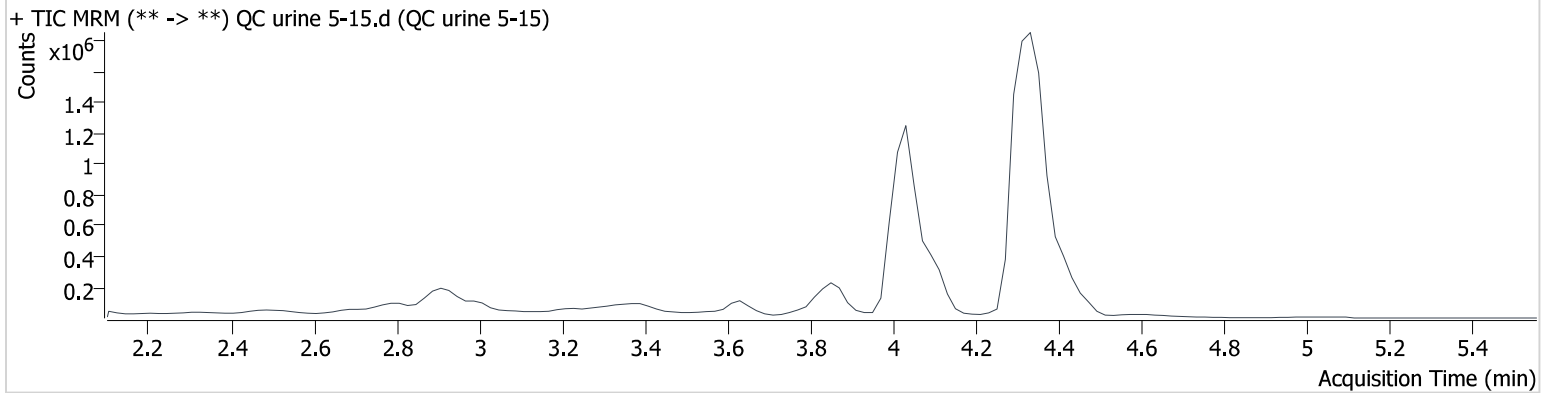
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AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2024\am 25-26\102824\QuantResults\am 26 batch.batch.bin
Calibration Last Update 10/29/2024 3:12:05 PM

Instrument	69679	Data File	QC urine 5-15.d
Type	Sample	Sample	QC urine 5-15
Acq. Method	am 26 cann scr 5-5-20.m	Operator	Anne Nord
Sample Position	P3-A2	Comment	
Injection Volume	5		
Acq. Date-Time	10/28/2024 6:43:03 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	4.425	18307	414491	4.662 ng/ml
THC-COOH	4.093	160612	891436	13.794 ng/ml
THC-OH	4.039	34739	4304405	4.953 ng/ml

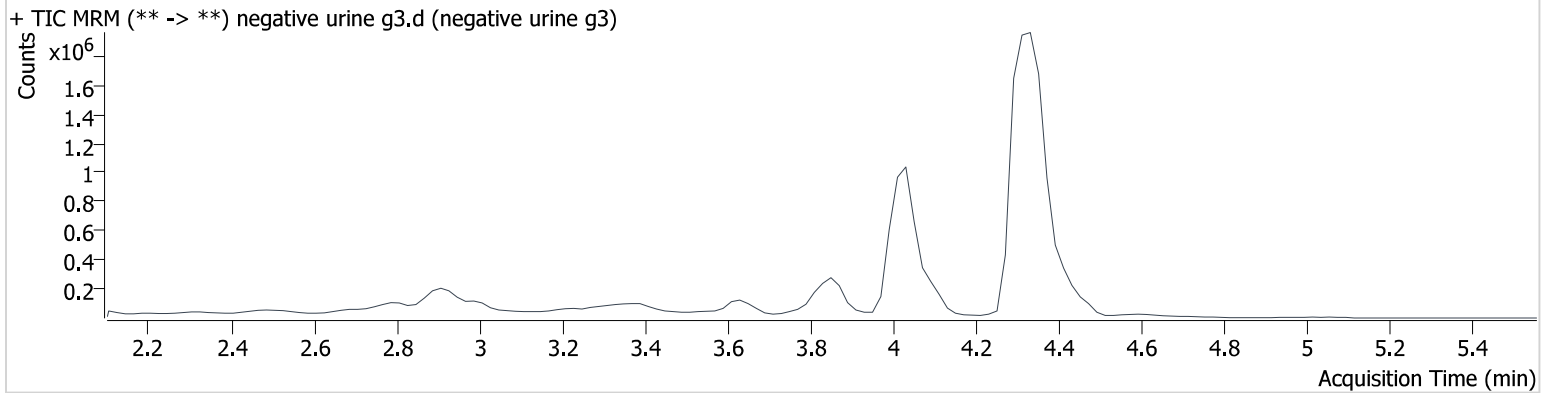
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AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2024\am 25-26\102824\QuantResults\am 26 batch.batch.bin
Calibration Last Update 10/29/2024 3:12:05 PM

Instrument	69679	Data File	negative urine g3.d
Type	Sample	Sample	negative urine g3
Acq. Method	am 26 cann scr 5-5-20.m	Operator	Anne Nord
Sample Position	P3-G3	Comment	
Injection Volume	5		
Acq. Date-Time	10/28/2024 8:13:36 PM		
Sample Info.			

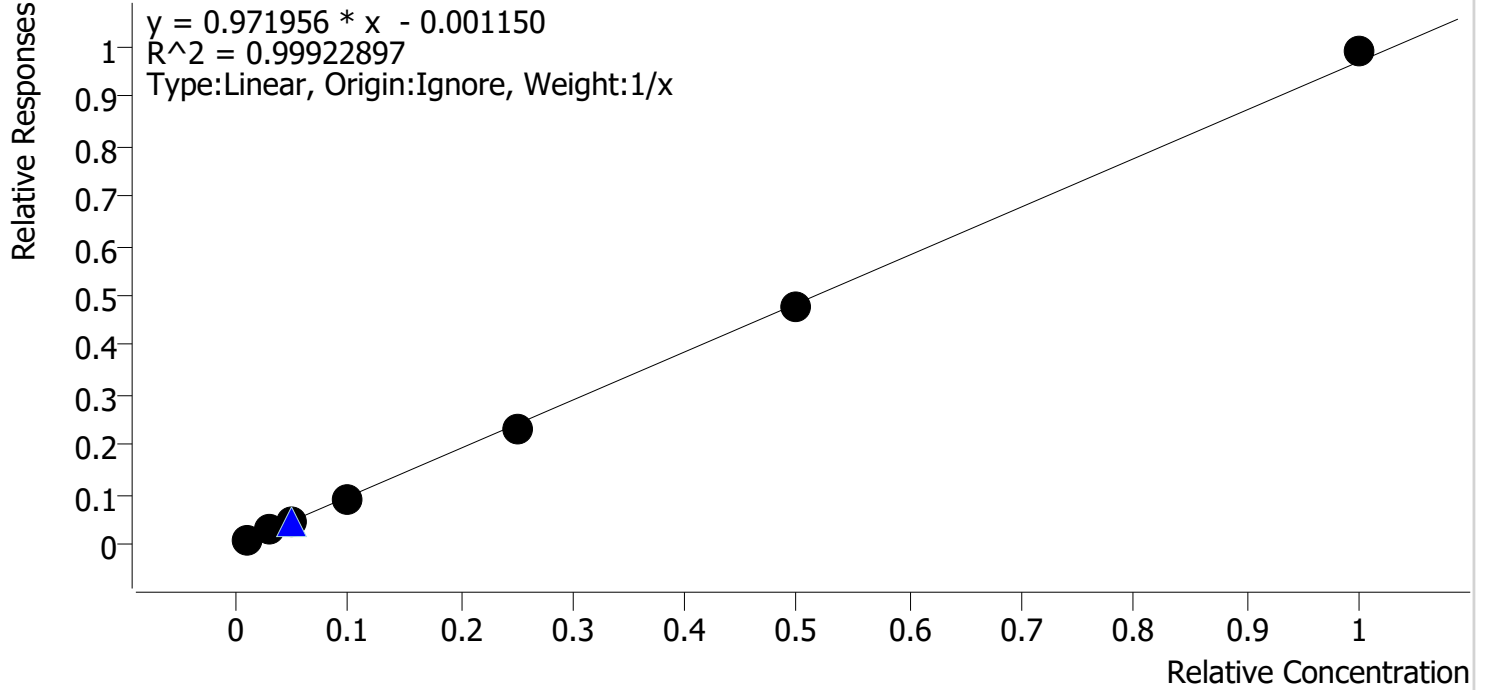
Sample Chromatogram



Compound Calibration Report

Batch results D:\MassHunter\Data\2024\am 25-26\102824\QuantResults\am 26 batch.batch.bin
Last Cal. Update 10/29/2024 3:12 PM
Analyst Name ISP\datastor
Analyte THC **Internal Standard** THC-d3

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

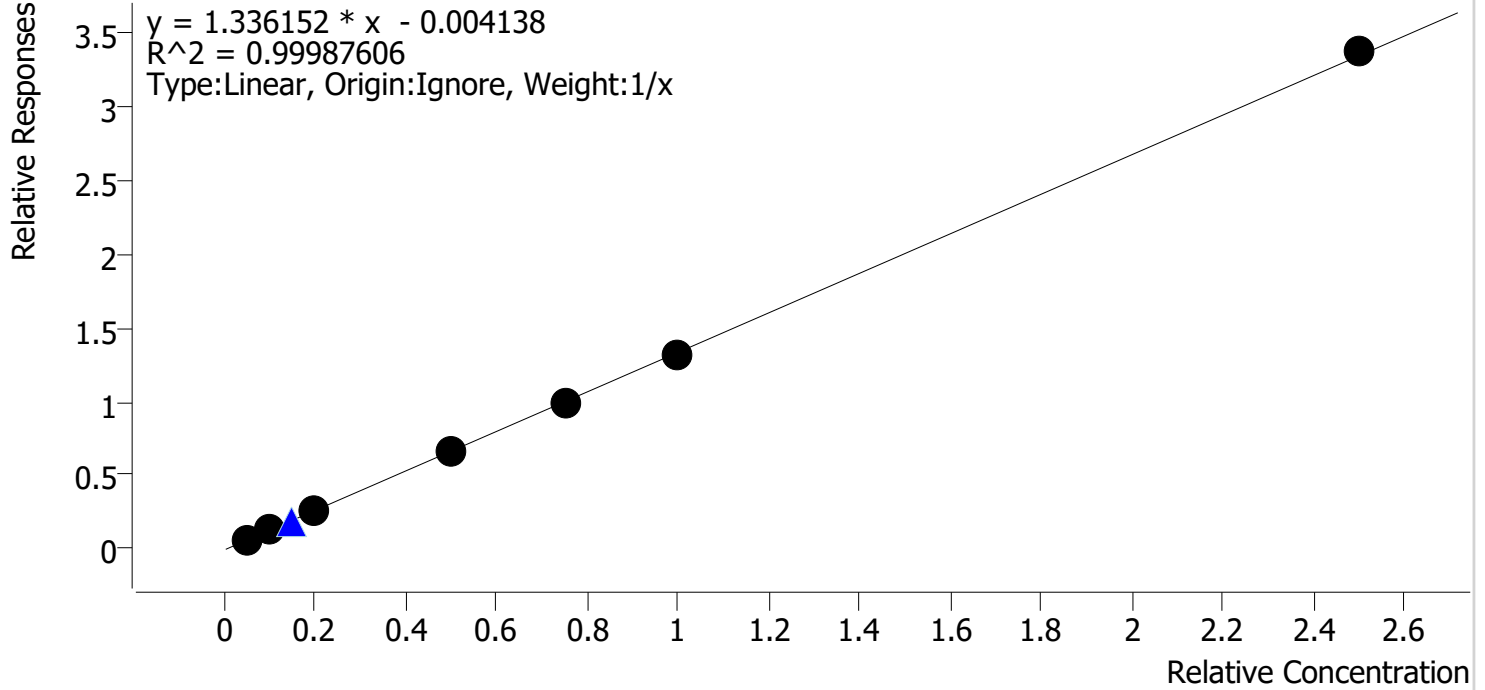


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1	1	✓	1.0	1.1	111.9
cal 2	2	✓	3.0	2.9	97.7
cal 3	3	✓	5.0	4.9	98.7
cal 4	4	✓	10.0	9.4	94.2
cal 5	5	✓	25.0	24.2	96.8
cal-6	6	✓	50.0	49.3	98.6
cal-7	7	✓	100.0	102.1	102.1

Compound Calibration Report

Batch results D:\MassHunter\Data\2024\am 25-26\102824\QuantResults\am 26 batch.batch.bin
Last Cal. Update 10/29/2024 3:12 PM
Analyst Name ISP\datastor
Analyte THC-COOH **Internal Standard** THC-COOH-d9

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

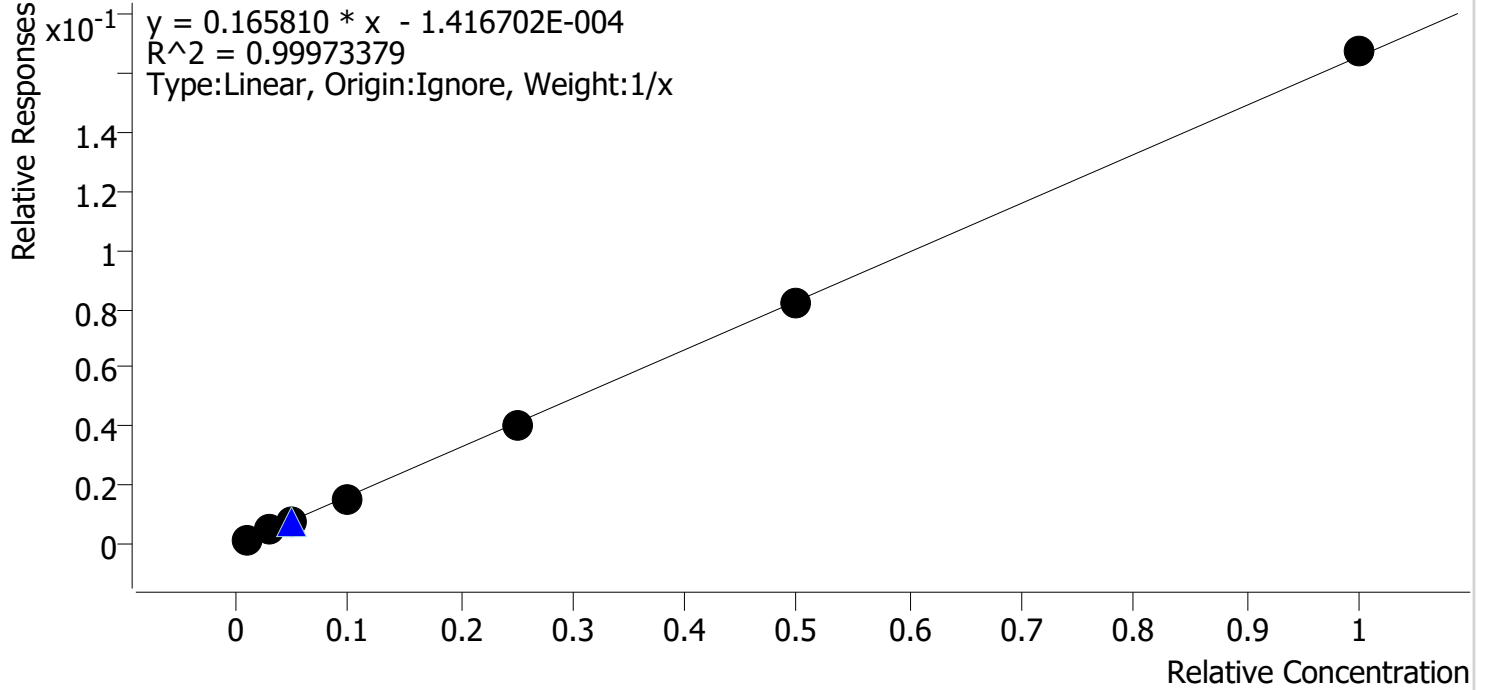


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1	1	✓	5.0	5.2	103.7
cal 2	2	✓	10.0	9.9	98.6
cal 3	3	✓	20.0	19.9	99.3
cal 4	4	✓	50.0	49.9	99.7
cal 5	5	✓	75.0	74.1	98.8
cal-6	6	✓	100.0	99.1	99.1
cal-7	7	✓	250.0	252.1	100.8

Compound Calibration Report

Batch results D:\MassHunter\Data\2024\am 25-26\102824\QuantResults\am 26 batch.batch.bin
Last Cal. Update 10/29/2024 3:12 PM
Analyst Name ISP\datastor
Analyte THC-OH **Internal Standard** THC-OH-d3

THC-OH - 7 Levels, 7 Levels Used, 7 Points, 7 Points Used, 1 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1	1	✓	1.0	1.1	108.4
cal 2	2	✓	3.0	3.0	100.2
cal 3	3	✓	5.0	4.8	95.5
cal 4	4	✓	10.0	9.7	96.5
cal 5	5	✓	25.0	24.7	98.7
cal-6	6	✓	50.0	49.8	99.6
cal-7	7	✓	100.0	101.0	101.0

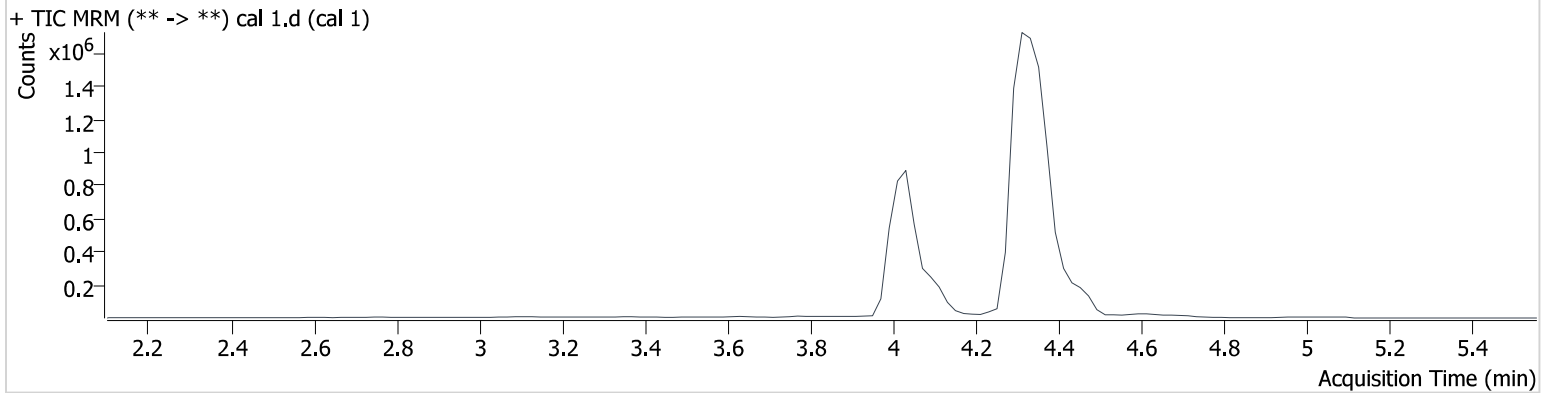
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AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2024\am 25-26\102824\QuantResults\am 26 batch.batch.bin
Calibration Last Update 10/29/2024 3:12:05 PM

Instrument	69679	Data File	cal 1.d
Type	Cal	Sample	cal 1
Acq. Method	am 26 cann scr 5-5-20.m	Operator	Anne Nord
Sample Position	P3-A1	Comment	
Injection Volume	5		
Acq. Date-Time	10/28/2024 5:51:08 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	4.445	2160	222052	1.119 ng/ml Low
THC-COOH	4.113	41974	644142	5.187 ng/ml Low
THC-OH	4.039	5976	3607722	1.084 ng/ml Low

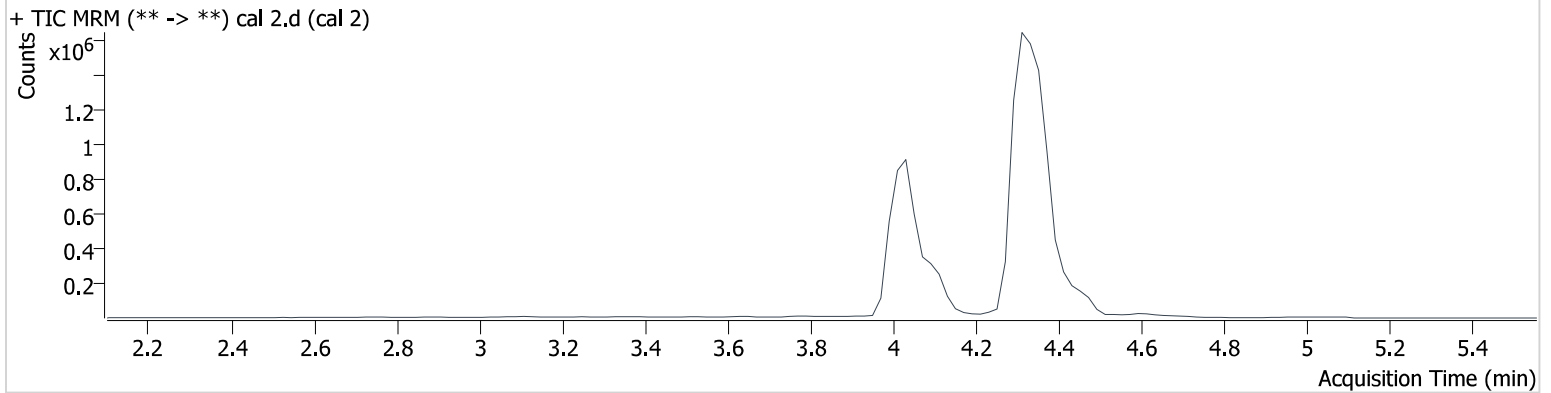


AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2024\am 25-26\102824\QuantResults\am 26 batch.batch.bin
Calibration Last Update 10/29/2024 3:12:05 PM

Instrument	69679	Data File	cal 2.d
Type	Cal	Sample	cal 2
Acq. Method	am 26 cann scr 5-5-20.m	Operator	Anne Nord
Sample Position	P3-B1	Comment	
Injection Volume	5		
Acq. Date-Time	10/28/2024 5:57:46 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	4.425	6086	222721	2.930 ng/ml Low
THC-COOH	4.113	99068	776350	9.860 ng/ml Low
THC-OH	4.039	17482	3611352	3.005 ng/ml

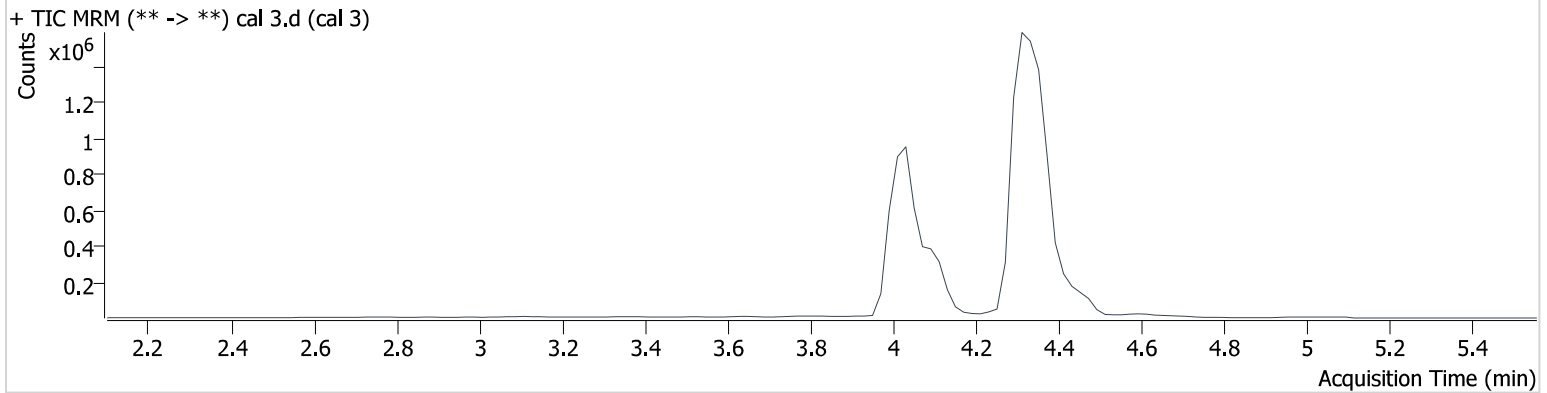
[Signature]

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2024\am 25-26\102824\QuantResults\am 26 batch.batch.bin
Calibration Last Update 10/29/2024 3:12:05 PM

Instrument	69679	Data File	cal 3.d
Type	Cal	Sample	cal 3
Acq. Method	am 26 cann scr 5-5-20.m	Operator	Anne Nord
Sample Position	P3-C1	Comment	
Injection Volume	5		
Acq. Date-Time	10/28/2024 6:04:14 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	4.425	10363	221372	4.935 ng/ml
THC-COOH	4.093	204412	782915	19.850 ng/ml
THC-OH	4.039	28740	3694163	4.777 ng/ml

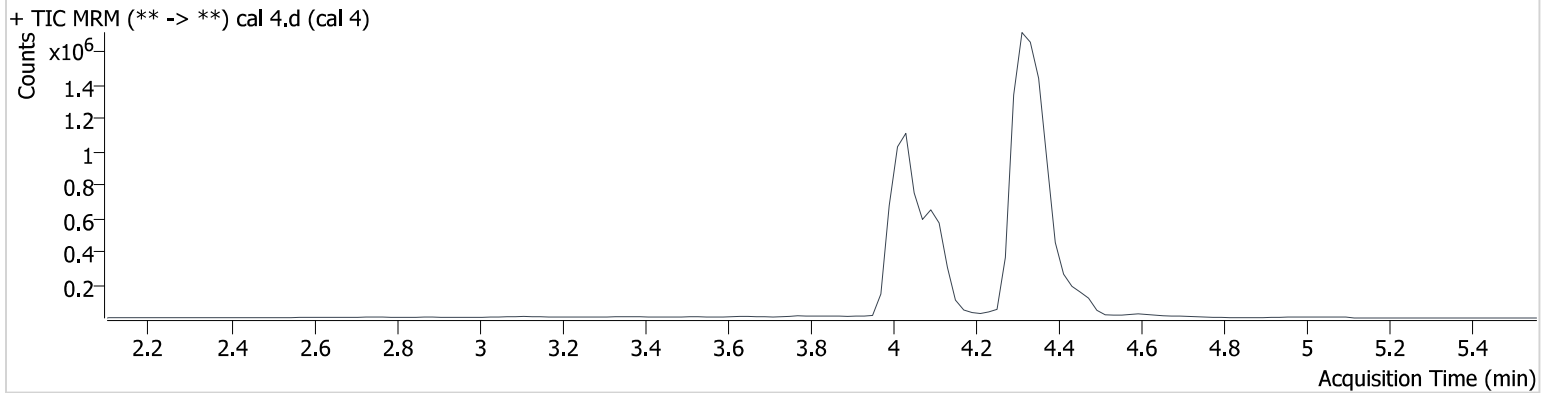
[Signature]

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2024\am 25-26\102824\QuantResults\am 26 batch.batch.bin
Calibration Last Update 10/29/2024 3:12:05 PM

Instrument	69679	Data File	cal 4.d
Type	Cal	Sample	cal 4
Acq. Method	am 26 cann scr 5-5-20.m	Operator	Anne Nord
Sample Position	P3-D1	Comment	
Injection Volume	5		
Acq. Date-Time	10/28/2024 6:10:42 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	4.425	18586	205542	9.422 ng/ml
THC-COOH	4.093	591313	892905	49.873 ng/ml
THC-OH	4.039	63165	3981247	9.654 ng/ml

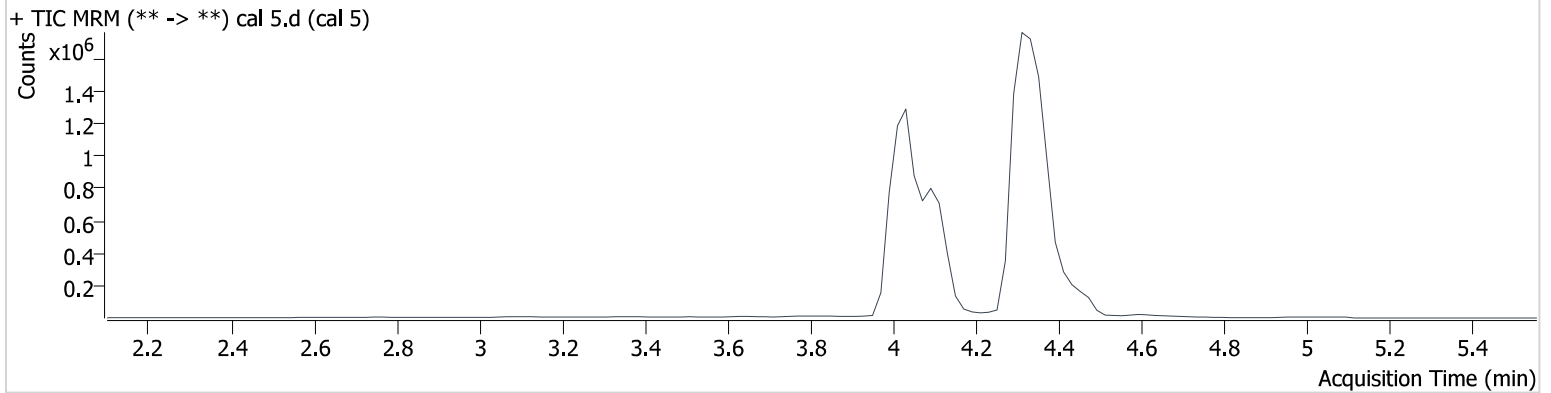


AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2024\am 25-26\102824\QuantResults\am 26 batch.batch.bin
Calibration Last Update 10/29/2024 3:12:05 PM

Instrument	69679	Data File	cal 5.d
Type	Cal	Sample	cal 5
Acq. Method	am 26 cann scr 5-5-20.m	Operator	Anne Nord
Sample Position	P3-E1	Comment	
Injection Volume	5		
Acq. Date-Time	10/28/2024 6:17:10 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	4.425	50604	216107	24.210 ng/ml
THC-COOH	4.093	842919	855147	74.081 ng/ml
THC-OH	4.039	155576	3816900	24.668 ng/ml

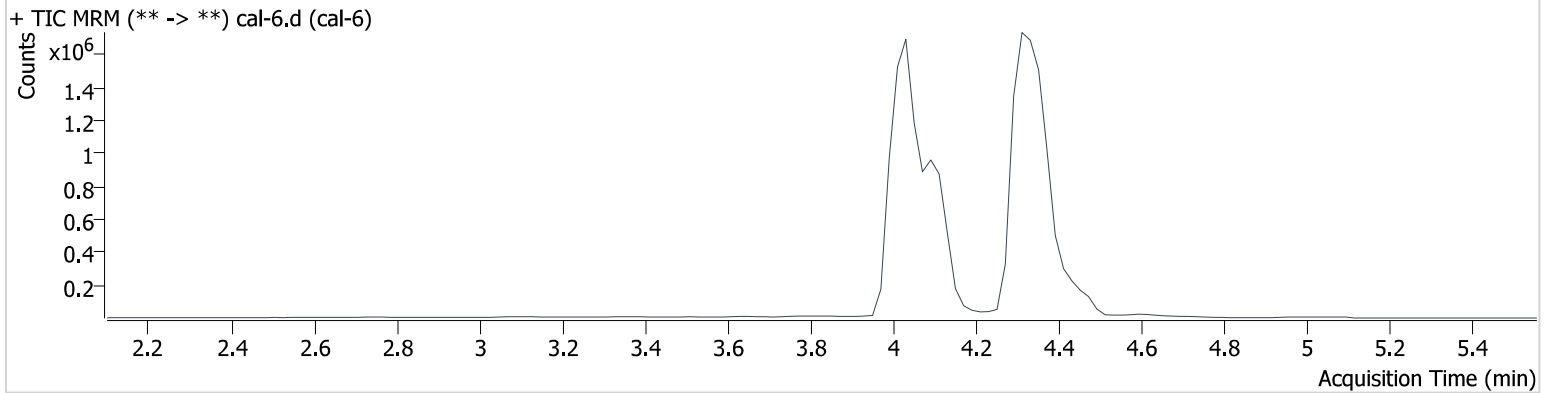
[Signature]

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2024\am 25-26\102824\QuantResults\am 26 batch.batch.bin
Calibration Last Update 10/29/2024 3:12:05 PM

Instrument	69679	Data File	cal-6.d
Type	Cal	Sample	cal-6
Acq. Method	am 26 cann scr 5-5-20.m	Operator	Anne Nord
Sample Position	P3-F1	Comment	
Injection Volume	5		
Acq. Date-Time	10/28/2024 6:23:38 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	4.425	94291	197204	49.312 ng/ml
THC-COOH	4.093	1100191	833827	99.060 ng/ml
THC-OH	4.039	323803	3926784	49.817 ng/ml

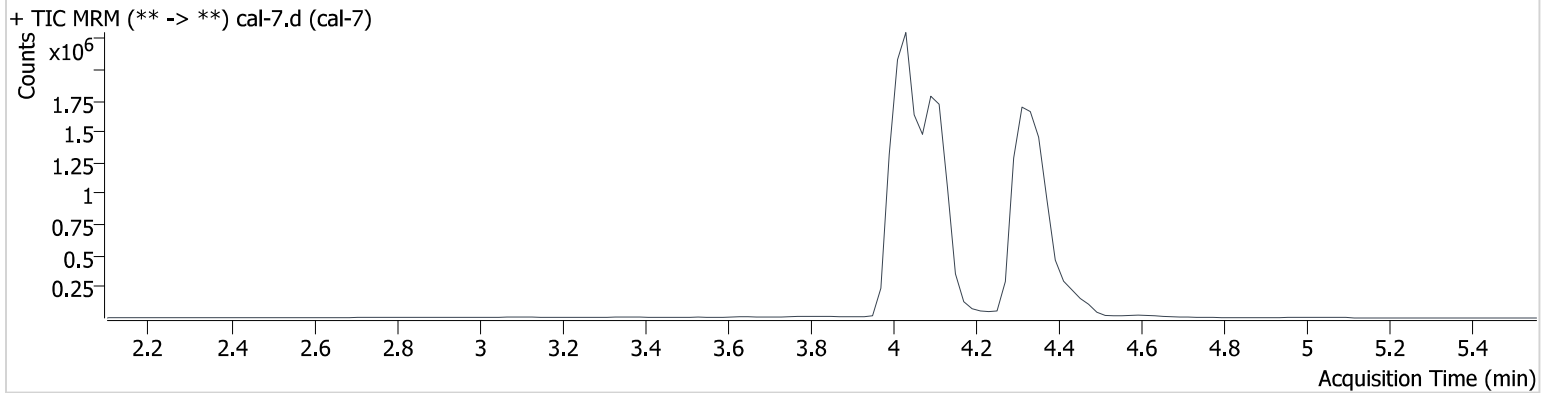
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AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2024\am 25-26\102824\QuantResults\am 26 batch.batch.bin
Calibration Last Update 10/29/2024 3:12:05 PM

Instrument	69679	Data File	cal-7.d
Type	Cal	Sample	cal-7
Acq. Method	am 26 cann scr 5-5-20.m	Operator	Anne Nord
Sample Position	P3-G1	Comment	
Injection Volume	5		
Acq. Date-Time	10/28/2024 6:30:07 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.
THC	4.425	187555	189267	102.073 ng/ml
THC-COOH	4.113	2505310	744705	252.090 ng/ml
THC-OH	4.039	617103	3688212	100.994 ng/ml