

Worklist: 2431

<u>LAB CASE</u>	<u>ITEM</u>	<u>TASK ID</u>	<u>DESCRIPTION</u>	
M2018-1755	1	117504	AM 25 Blood Multi-Drug Screen by LC-QQQ	
M2018-1986	1	116348	AM 25 Blood Multi-Drug Screen by LC-QQQ	
M2018-2248	1	114709	AM 25 Blood Multi-Drug Screen by LC-QQQ	
M2018-2300	1	114958	AM 25 Blood Multi-Drug Screen by LC-QQQ	
M2018-2361	1	115094	AM 25 Blood Multi-Drug Screen by LC-QQQ	
M2018-2495	7	116069	AM 25 Blood Multi-Drug Screen by LC-QQQ	
M2018-2571	3	116185	AM 25 Blood Multi-Drug Screen by LC-QQQ	
M2018-2617	1	116103	AM 25 Blood Multi-Drug Screen by LC-QQQ	
M2018-2628	2	116188	AM 25 Blood Multi-Drug Screen by LC-QQQ	
M2018-2670	2	116710	AM 25 Blood Multi-Drug Screen by LC-QQQ	
P2018-1475	1	115883	AM 25 Blood Multi-Drug Screen by LC-QQQ	
P2018-1491	1	115955	AM 25 Blood Multi-Drug Screen by LC-QQQ	
P2018-1494	1	116072	AM 25 Blood Multi-Drug Screen by LC-QQQ	
P2018-1516	2	116140	AM 25 Blood Multi-Drug Screen by LC-QQQ	
P2018-1531	1	116325	AM 25 Blood Multi-Drug Screen by LC-QQQ	
P2018-1550	1	116488	AM 25 Blood Multi-Drug Screen by LC-QQQ	
P2018-1551	1	116491	AM 25 Blood Multi-Drug Screen by LC-QQQ	
P2018-1563	1	116798	AM 25 Blood Multi-Drug Screen by LC-QQQ	
P2018-1567	1	116809	AM 25 Blood Multi-Drug Screen by LC-QQQ	
P2018-1575	1	116822	AM 25 Blood Multi-Drug Screen by LC-QQQ	
P2018-1576	1	116825	AM 25 Blood Multi-Drug Screen by LC-QQQ	

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

Extraction Date: 06/01/18

Analyst: Sarah Pickle

Plate lot#: 0515207

Plate Expiration: 10/18/18

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: 361331-1

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

LCMS-QQQ ID: 59740

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: _____

Analytic:

- 1. Remove standards, plate, controls, and samples from cold storage. Allow to reach room temperature.
- 2. Pipette **250µL blood (calibrated pipette) Pipette ID: #3** in wells of analytical (standards) plate.
- 3. Place on shaking incubator at ambient temp., 900rpm for 15 minutes. *Shaker ID: 067105*
- 4. Pipette **250µL 0.5M 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: 067104
- 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: 067103
- 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: 060118 MDS SP Worklist 2431
Worklist path: 060118 MDS P1 SP, 060118 MDS P2 SP
- 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. > 1/3 the response of administrative control.
- 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

B

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

Analyst: Sarah Pickle
Extraction Date: 06/01/18
Worklist Number: 2431

<i>Reagent</i>	<i>Lot Number</i>	<i>Expiration Date</i>	<i>Date in Service</i>	<i>Date Out of Service</i>	<i>Initials</i>
ToxBox Benzo/Opiate Screening Plate	0515207	10/18/18			
Negative Blood	361331-1		05/25/18		
Methanol External Control Solution	042618	04/26/19	04/26/18		
Blood External Control Solution	WS042618	04/26/19	04/26/18		
0.5M Ammonium Hydroxide	032918	9/29/18	3/29/18		
Formic Acid (LCMS Grade)	095180B		11/15/17		
Water (LCMS Grade)	177528		03/05/18		
Methanol (LCMS Grade)	177145		04/11/18		
Ammonium Formate (LCMS Grade)	A0287238		1/30/17		
Ammonium Hydroxide (ACS grade or better)	053200		8/3/07		
Ethyl Acetate(ACS grade or better)	100362		6/26/17		
10mM Ammonium Formate in LCMS Water (Mobile Phase A)	050818		05/08/18		
0.1% Formic Acid in LCMS Methanol (Mobile Phase B)	050718		05/07/18		
Needle Rinse--75% LCMS MeOH in LCMS Water	052918		05/29/18		

Methanol External Control Solution (Lot: 042618)
 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	177145	
Oxycodone	Cerilliant	FE01181701	March 2022
Diazepam	Cerilliant	FE05201602	June 2021
Metoprolol	Cerilliant	FN06091510	July 2020
Meperidine	Cerilliant	FE01271602	June 2021
Prepared:	04/26/18		
Prepared By:	Tamara Salazar		
Expires:	04/26/19		

Blood External Control Solution (Lot: 042618)

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

<i>Component</i>	<i>Source</i>	<i>Source Lot Number</i>
Negative Blood	Hemostat	361331-2
Methanol External Control Solution		042618
Prepared:	04/26/18	
Prepared by:	Tamara Salazar	
Expires:	04/26/19	

0.5M Ammonium Hydroxide (Lot: 032918)

<i>Component</i>	<i>Source</i>	<i>Source Lot Number</i>
Ammonium Hydroxide (ACS grade or better)	Fisher	053200
DI Water	-	-
Prepared:	03/29/18	
Prepared By:	Tamara Salazar	
Expires:	09/29/18	

10mM Ammonium Formate in LCMS Water (Mobile Phase A) (Lot: 050818)

<i>Component</i>	<i>Source</i>	<i>Source Lot Number</i>
Ammonium Formate	Arcos Organics	A0287238
LCMS Water	Fisher	177528
Prepared:	05/08/18	
Prepared By:	Tamara Salazar	

0.1% Formic Acid in LCMS Methanol (Mobile Phase B) (Lot: 050718)

<i>Component</i>	<i>Source</i>	<i>Source Lot Number</i>
Formic Acid	Fisher	095180B
MeOH (LCMS Grade)	Fisher	177145
Prepared:	05/07/18	
Prepared By:	Sarah Pickle	

Needle Rinse (75% LCMS MeOH in LCMS Water)(Lot: 052918)

<i>Component</i>	<i>Source</i>	<i>Source Lot Number</i>
MeOH (LCMS Grade)	Fisher	177145
Water (LCMS Grade)	Fisher	177528
Prepared:	05/29/18	
Prepared By:	Sarah Pickle	

Compoundo wmetnoo			p i c a i a Results				Qualifier i Results				ISID wmetnoo				ISID Results	
Name	Transition	Acq. Date-Time	RT	Resp.	S/N	MI	Transition	Area	S/N	MI	Name	Transition	RT	Resp.	MI	
6-MAM	328.2 -> 165...	6/1/2018 11:15 AM	5.224	2851	441.29	328.2 -> 211...	1571	583.85	334.2 -> 165...	6-MAM-D6	334.2 -> 165...	5.183	147828	5.183		
7-aminoclonazepam	286.1 -> 121...	6/1/2018 11:15 AM	5.395	77181	149.48	286.1 -> 222...	24244	3730.07	290.1 -> 121...	7-Aminoclonazepam-D4	290.1 -> 121...	5.415	198373	5.415		
Acetyl Fentanyl	323.2 -> 105...	6/1/2018 11:15 AM	5.856	20232	24.83	323.2 -> 188...	9008	41.41	328.2 -> 105...	Acetyl Fentanyl-D5	328.2 -> 105...	5.834	25589...	5.834		
Acetyl Norfentanyl	219.1 -> 84.2	6/1/2018 11:15 AM	4.893	20271	4424.48	219.1 -> 56.3	4957	1309.38	224.2 -> 84.2	Acetyl Norfentanyl-D5	224.2 -> 84.2	4.893	10532...	4.893		
a-hydroxylprazolam	325.1 -> 297...	6/1/2018 11:15 AM	6.180	14275	2114.01	325.1 -> 215...	2751	485.46	330.1 -> 302...	a-hydroxylprazolam-D5	330.1 -> 302...	6.159	91270	6.159		
alpha-PVP	232.2 -> 91.0	6/1/2018 11:15 AM	5.545	179926	153.58	232.2 -> 77.1	1142...	1079.39	240.2 -> 91.1	alpha-PVP-d8	240.2 -> 91.1	5.543	12172...	5.543		
Alprazolam	309.1 -> 281...	6/1/2018 11:15 AM	6.266	181168	34880.01	309.1 -> 205...	66187	10400...	314.1 -> 286...	Alprazolam-D5	314.1 -> 286...	6.264	789510	6.264		
Amphetamine	136.1 -> 91.1	6/1/2018 11:15 AM	4.855	294360	Infinity	136.1 -> 119...	74387	118.92	147.2 -> 130...	Amphetamine-D11	147.2 -> 130...	4.814	14496	4.814		
Bupropion	240.1 -> 184...	6/1/2018 11:15 AM	5.747	180029	30028.61	240.1 -> 131...	2270	Infinity	249.2 -> 185...	Bupropion-D9	249.2 -> 185...	5.726	308666	5.726		
Carisoprodol	261.2 -> 176...	6/1/2018 11:15 AM	5.969	13112	159.07	261.2 -> 55.3	84369	Infinity	268.2 -> 183...	Carisoprodol-D7	268.2 -> 183...	5.908	126495	5.908		
Citalopram	325.2 -> 109...	6/1/2018 11:15 AM	5.936	380074	315.51	325.2 -> 262...	99983	212.93	331.2 -> 109...	Citalopram-D6	331.2 -> 109...	5.935	10710...	5.935		
Clonazepam	316.1 -> 269...	6/1/2018 11:15 AM	6.102	33577	7589.08	316.1 -> 213...	6917	35.68	320.1 -> 217...	Clonazepam-D4	320.1 -> 217...	6.101	34576	6.101		
Codeine	300.2 -> 215...	6/1/2018 11:15 AM	5.188	27443	95.79	300.2 -> 165...	19815	157.31	306.2 -> 218...	Codeine-D6	306.2 -> 218...	5.105	115611	5.105		
Cyclobenzaprine	276.2 -> 214...	6/1/2018 11:15 AM	6.211	170116	354.72	276.2 -> 231...	69995	2768.86	279.2 -> 215...	Cyclobenzaprine-D3	279.2 -> 215...	6.210	877764	6.210		
Dextromethorphan	272.2 -> 171...	6/1/2018 11:15 AM	5.988	189102	93.88	272.2 -> 147...	1946...	36217...	275.2 -> 171...	Dextromethorphan-D3	275.2 -> 171...	5.988	549189	5.988		
Dextropropam	258.2 -> 157...	6/1/2018 11:15 AM	5.420	72474	20777.79	258.2 -> 133...	89224	601.99	261.2 -> 157...	Dextropropam-D5	261.2 -> 157...	5.419	436004	5.419		
Diazepam	285.1 -> 193...	6/1/2018 11:15 AM	6.492	81782	Infinity	285.1 -> 153...	1414...	Infinity	290.1 -> 198...	Diazepam-D5	290.1 -> 198...	6.491	368880	6.491		
Dihydrocodeine	302.2 -> 198...	6/1/2018 11:15 AM	4.942	43573	51704.38	302.2 -> 128...	45053	190.43	308.2 -> 202...	Dihydrocodeine-D6	308.2 -> 202...	4.921	156592	4.921		
Diphenhydramine	256.2 -> 167...	6/1/2018 11:15 AM	5.909	788237	Infinity	256.2 -> 152...	1648...	42.69	259.2 -> 167...	Diphenhydramine-D3	259.2 -> 167...	5.909	28310...	5.909		
Doxylamine	271.2 -> 182...	6/1/2018 11:15 AM	5.602	258429	81549.89	271.2 -> 167...	4194...	Infinity	276.2 -> 187...	Doxylamine-D5	276.2 -> 187...	5.580	604698	5.580		
EDDP	279.2 -> 235...	6/1/2018 11:15 AM	5.946	677176	986.73	279.2 -> 250...	3532...	241.01	282.2 -> 235...	EDDP-D3	282.2 -> 235...	5.946	287201	5.946		
Fentanyl	337.2 -> 105...	6/1/2018 11:15 AM	6.036	26752	5495.48	337.2 -> 188...	15789	832.91	342.3 -> 105...	Fentanyl-D5	342.3 -> 105...	6.036	21570...	6.036		
Fluoxetine	310.1 -> 44.3	6/1/2018 11:15 AM	6.144	757446	6214.41	310.1 -> 148...	15928	55.46	316.2 -> 44.3	Fluoxetine-D6	316.2 -> 44.3	6.142	30788...	6.142		
Hydrocodone	300.2 -> 198...	6/1/2018 11:15 AM	5.372	51188	Infinity	300.2 -> 128...	31016	23151...	306.2 -> 202...	Hydrocodone-D6	306.2 -> 202...	5.330	443272	5.330		
Hydromorphone	286.2 -> 184...	6/1/2018 11:15 AM	4.741	54062	Infinity	286.2 -> 157...	66733	39.31	292.2 -> 185...	Hydromorphone-D6	292.2 -> 185...	4.680	143219	4.680		
Ketamine	238.1 -> 125...	6/1/2018 11:15 AM	5.626	314862	484.11	238.1 -> 220...	65200	43.03	242.1 -> 129...	Ketamine-D4	242.1 -> 129...	5.625	12122...	5.625		
Meprobamate	219.1 -> 158...	6/1/2018 11:15 AM	5.443	28418	99.40	219.1 -> 97.1	7761	1426.94	226.2 -> 165...	Meprobamate-D7	226.2 -> 165...	5.464	9978	5.464		
Methadone	310.2 -> 265...	6/1/2018 11:15 AM	6.244	510769	408.20	310.2 -> 105...	3253...	Infinity	319.3 -> 268...	Methadone-D9	319.3 -> 268...	6.243	20403...	6.243		
Methamphetamine	150.1 -> 91.1	6/1/2018 11:15 AM	5.016	210047	Infinity	150.1 -> 119...	36046	Infinity	161.2 -> 97.1	Methamphetamine-D11	161.2 -> 97.1	4.975	256403	4.975		
Morphine	286.2 -> 201...	6/1/2018 11:15 AM	4.458	13681	5499.35	286.2 -> 165...	11413	39.36	292.2 -> 152...	Morphine-D6	292.2 -> 152...	4.377	22146	4.377		
Naloxone	328.2 -> 309...	6/1/2018 11:15 AM	5.509	95296	Infinity	328.2 -> 211...	16776	40.61	333.2 -> 315...	Naloxone-D5	333.2 -> 315...	5.488	205307	5.488		
Naltrexol	344.2 -> 326...	6/1/2018 11:15 AM	5.039	252127	Infinity	344.2 -> 308...	56749	10571...	347.2 -> 329...	Naltrexol-D3	347.2 -> 329...	5.018	335904	5.018		
Naltrexone	342.2 -> 324...	6/1/2018 11:15 AM	5.264	63416	158.57	342.2 -> 55.3	83223	218.21	345.2 -> 327...	Naltrexone-D3	345.2 -> 327...	5.222	840048	5.222		
Norbuprenorphine	414.3 -> 101...	6/1/2018 11:15 AM	5.749	6202	50.60	414.3 -> 57.3	7909	703.13	417.3 -> 101...	Norbuprenorphine-D3	417.3 -> 101...	5.749	12917	5.749		
Nordiazepam	271.1 -> 140...	6/1/2018 11:15 AM	6.334	58047	202.89	271.1 -> 208...	20039	Infinity	276.1 -> 140...	Nordiazepam-D5	276.1 -> 140...	6.333	151117	6.333		
Norfentanyl	233.2 -> 84.2	6/1/2018 11:15 AM	5.340	358454	86309.97	233.2 -> 55.3	1334...	386.39	238.2 -> 84.2	Norfentanyl-D5	238.2 -> 84.2	5.320	15922...	5.320		
Norhydrocodone	286.2 -> 199...	6/1/2018 11:15 AM	5.005	7560	1263.54	286.2 -> 171...	5456	11.51	289.2 -> 202...	Norhydrocodone-D3	289.2 -> 202...	5.005	151784	5.005		
Noroxycodone	302.1 -> 284...	6/1/2018 11:15 AM	4.922	14576	9.41	302.1 -> 186...	23181	22.94	305.2 -> 287...	Noroxycodone-D3	305.2 -> 287...	4.921	194669	4.921		
O-desmethyl-tramadol	250.2 -> 58.3	6/1/2018 11:15 AM	4.951	638170	319.27	250.2 -> 42.3	12151	72.84	256.2 -> 64.3	O-desmethyl-tramadol...	256.2 -> 64.3	4.931	14388...	4.931		
Oxazepam	287.1 -> 240...	6/1/2018 11:15 AM	6.167	21053	41.86	287.1 -> 268...	18577	Infinity	292.1 -> 246...	Oxazepam-D5	292.1 -> 246...	6.147	122526	6.147		
Oxycodone	316.2 -> 298...	6/1/2018 11:15 AM	4.395	205942	180.08	316.2 -> 227...	41631	34.46	322.2 -> 304...	Oxycodone-D6	322.2 -> 304...	5.083	398019	5.083		
Oxymorphone	302.1 -> 284...	6/1/2018 11:15 AM	5.159	201240	Infinity	302.1 -> 241...	27834	11368...	305.2 -> 287...	Oxymorphone-D3	305.2 -> 287...	4.355	10231...	4.355		
Phentermine	150.1 -> 65.2	6/1/2018 11:15 AM	5.949	41931	Infinity	150.1 -> 133...	2485	Infinity	155.2 -> 96.2	Phentermine-D5	155.2 -> 96.2	5.138	500141	5.138		
Promethazine	285.1 -> 86.2	6/1/2018 11:15 AM	6.249	580829	161107...	285.1 -> 71.3	1301...	268.49	288.2 -> 89.2	Promethazine-D3	288.2 -> 89.2	6.228	23134...	6.228		
Quetiapine	384.2 -> 253...	6/1/2018 11:15 AM	6.339	614252	260439...	384.2 -> 221...	2532...	51461...	392.2 -> 226...	Quetiapine-D8	392.2 -> 226...	6.297	567906	6.297		
Sertraline	306.1 -> 158...	6/1/2018 11:15 AM	6.429	249555	917.90	306.1 -> 275...	1304...	232.44	309.1 -> 275...	Sertraline-D3	309.1 -> 275...	6.428	909575	6.428		
Sufentanil	387.2 -> 238...	6/1/2018 11:15 AM	6.379	23262	63.24	387.2 -> 111...	27596	5466.29	392.2 -> 238...	Sufentanil-D5	392.2 -> 238...	6.358	884562	6.358		
Temazepam	301.1 -> 255...	6/1/2018 11:15 AM	6.308	186245	Infinity	301.1 -> 283...	68382	Infinity	306.1 -> 260...	Temazepam-D5	306.1 -> 260...	6.308	11221...	6.308		

Compounda metnoda		p i cal ia Results			Qualifier i M...			Qualifier i Results			ISIJ metnoda			ISIJ Results		
Name	Transition	Acq. Date-Time	RT	Resp.	S/N	MI	Transition	Area	S/N	MI	Name	Transition	.RT	Resp.	MI	
Tramadol	264.2 -> 58.3	6/1/2018 11:15 AM	5.439	769393	Infinity	☐	264.2 -> 43.3	9422	39.58	☐	Tramadol-13C-D3	268.2 -> 58.3	5.439	29929...	☐	
Trazodone	372.2 -> 176...	6/1/2018 11:15 AM	6.502	601699	579.47	☐	372.2 -> 148...	6495...	3360.40	☐	Trazodone-D6	378.2 -> 182...	6.461	17636...	☐	
Venlafaxine	278.2 -> 58.3	6/1/2018 11:15 AM	5.702	667396	Infinity	☐	278.2 -> 260...	40256	10542...	☐	Venlafaxine-D6	284.2 -> 64.3	5.701	13007...	☐	
Zolpidem	308.2 -> 235...	6/1/2018 11:15 AM	6.124	605762	1201.64	☐	308.2 -> 263...	2279	50915...	☐	Zolpidem-D6	314.2 -> 235...	6.122	35931...	☐	

Compound method				p.i negative				p.i negative Results				Qualifier I Results				Qualifier II Results			
Name	Transition	Acq. Date-Time	RT	Resp.	S/N	MI	Transition	Area	S/N	MI	Name	Transition	Area	S/N	MI	Transition	Area	S/N	MI
6-MAM	328.2 -> 165...	6/1/2018 11:35 AM	5.354	149	13.09	328.2 -> 211...	284	3.06	328.2 -> 165...	334.2 -> 165...	6-MAM-D6	334.2 -> 165...	284	3.06	328.2 -> 211...	284	3.06	328.2 -> 165...	334.2 -> 165...
7-aminoclonazepam	286.1 -> 121...	6/1/2018 11:35 AM	6.038	907	0.80	286.1 -> 222...	819	2.27	286.1 -> 222...	290.1 -> 121...	7-Aminoclonazepam-D4	290.1 -> 121...	819	2.27	286.1 -> 222...	290.1 -> 121...	819	2.27	286.1 -> 222...
Acetyl Fentanyl	323.2 -> 105...	6/1/2018 11:35 AM	4.893	250	1.19	323.2 -> 188...	856	0.71	323.2 -> 188...	328.2 -> 105...	Acetyl Fentanyl-D5	328.2 -> 105...	856	0.71	323.2 -> 188...	328.2 -> 105...	856	0.71	323.2 -> 188...
Acetyl Norfentanyl	219.1 -> 84.2	6/1/2018 11:35 AM	5.977	236	2.51	219.1 -> 56.3			219.1 -> 56.3	224.2 -> 84.2	Acetyl Norfentanyl-D5	224.2 -> 84.2			219.1 -> 56.3	224.2 -> 84.2			219.1 -> 56.3
a-hydroxyalprazolam	325.1 -> 297...	6/1/2018 11:35 AM	6.063	4954		325.1 -> 215...			325.1 -> 215...	330.1 -> 302...	a-hydroxyalprazolam-D5	330.1 -> 302...			325.1 -> 215...	330.1 -> 302...			325.1 -> 215...
alpha-PVP	232.2 -> 91.0	6/1/2018 11:35 AM	4.814	29650	2.81	232.2 -> 77.1			232.2 -> 77.1	330.1 -> 302...	alpha-PVP-d8	330.1 -> 302...			232.2 -> 77.1	330.1 -> 302...			232.2 -> 77.1
Alprazolam	309.1 -> 281...	6/1/2018 11:35 AM	6.036	4954	54.29	309.1 -> 205...	819	2.27	309.1 -> 205...	314.1 -> 286...	Alprazolam-D5	314.1 -> 286...	819	2.27	309.1 -> 205...	314.1 -> 286...	819	2.27	309.1 -> 205...
Amphetamine	136.1 -> 91.1	6/1/2018 11:35 AM	4.814	29650	2.81	136.1 -> 119...	856	0.71	136.1 -> 119...	147.2 -> 130...	Amphetamine-D11	147.2 -> 130...	856	0.71	136.1 -> 119...	147.2 -> 130...	856	0.71	136.1 -> 119...
Bupropion	240.1 -> 184...	6/1/2018 11:35 AM				240.1 -> 131...			240.1 -> 131...	249.2 -> 185...	Bupropion-D9	249.2 -> 185...			240.1 -> 131...	249.2 -> 185...			240.1 -> 131...
Carisoprodol	261.2 -> 176...	6/1/2018 11:35 AM				261.2 -> 55.3			261.2 -> 55.3	268.2 -> 183...	Carisoprodol-D7	268.2 -> 183...			261.2 -> 55.3	268.2 -> 183...			261.2 -> 55.3
Citalopram	325.2 -> 109...	6/1/2018 11:35 AM	5.855	3008	0.50	325.2 -> 262...			325.2 -> 262...	331.2 -> 109...	Citalopram-D6	331.2 -> 109...			325.2 -> 262...	331.2 -> 109...			325.2 -> 262...
Clonazepam	316.1 -> 269...	6/1/2018 11:35 AM	6.061	1042	277.22	316.1 -> 213...	273	1.49	316.1 -> 213...	320.1 -> 217...	Clonazepam-D4	320.1 -> 217...	273	1.49	316.1 -> 213...	320.1 -> 217...	273	1.49	316.1 -> 213...
Codeine	300.2 -> 215...	6/1/2018 11:35 AM	5.086	574	349.68	300.2 -> 165...	274	1.00	300.2 -> 165...	306.2 -> 218...	Codeine-D6	306.2 -> 218...	274	1.00	300.2 -> 165...	306.2 -> 218...	274	1.00	300.2 -> 165...
Cyclobenzaprine	276.2 -> 214...	6/1/2018 11:35 AM	6.171	149	0.52	276.2 -> 231...	229	1.10	276.2 -> 231...	279.2 -> 215...	Cyclobenzaprine-D3	279.2 -> 215...	229	1.10	276.2 -> 231...	279.2 -> 215...	229	1.10	276.2 -> 231...
Dextromethorphan	272.2 -> 171...	6/1/2018 11:35 AM	5.988	655	80.52	272.2 -> 147...	125	294.46	272.2 -> 147...	275.2 -> 171...	Dextromethorphan-D3	275.2 -> 171...	125	294.46	272.2 -> 147...	275.2 -> 171...	125	294.46	272.2 -> 147...
Dextropropion	258.2 -> 157...	6/1/2018 11:35 AM	5.461	1680	5.88	258.2 -> 133...	455	4.48	258.2 -> 133...	291.2 -> 157...	Dextropropion-D3	291.2 -> 157...	455	4.48	258.2 -> 133...	291.2 -> 157...	455	4.48	258.2 -> 133...
Diazepam	285.1 -> 193...	6/1/2018 11:35 AM	6.614	273	1.23	285.1 -> 153...	186	0.88	285.1 -> 153...	290.1 -> 198...	Diazepam-D5	290.1 -> 198...	186	0.88	285.1 -> 153...	290.1 -> 198...	186	0.88	285.1 -> 153...
Dihydrocodeine	302.2 -> 198...	6/1/2018 11:35 AM	4.881	99	1.64	302.2 -> 128...	389	182.77	302.2 -> 128...	308.2 -> 202...	Dihydrocodeine-D6	308.2 -> 202...	389	182.77	302.2 -> 128...	308.2 -> 202...	389	182.77	302.2 -> 128...
Diphenhydramine	256.2 -> 167...	6/1/2018 11:35 AM	5.889	9610	1.06	256.2 -> 152...			256.2 -> 152...	259.2 -> 167...	Diphenhydramine-D3	259.2 -> 167...			256.2 -> 152...	259.2 -> 167...			256.2 -> 152...
Doxylamine	271.2 -> 182...	6/1/2018 11:35 AM	5.561	590	3.14	271.2 -> 167...	126	1.43	271.2 -> 167...	276.2 -> 187...	Doxylamine-D5	276.2 -> 187...	126	1.43	271.2 -> 167...	276.2 -> 187...	126	1.43	271.2 -> 167...
EDDP	279.2 -> 235...	6/1/2018 11:35 AM	5.966	1055	5.22	279.2 -> 250...	111	2.51	279.2 -> 250...	282.2 -> 235...	EDDP-D3	282.2 -> 235...	111	2.51	279.2 -> 250...	282.2 -> 235...	111	2.51	279.2 -> 250...
Fentanyl	337.2 -> 105...	6/1/2018 11:35 AM	6.036	93	0.55	337.2 -> 188...	561	207.04	337.2 -> 188...	342.3 -> 105...	Fentanyl-D5	342.3 -> 105...	561	207.04	337.2 -> 188...	342.3 -> 105...	561	207.04	337.2 -> 188...
Fluoxetine	310.1 -> 44.3	6/1/2018 11:35 AM	6.123	1285	441.36	310.1 -> 148...			310.1 -> 148...	316.2 -> 44.3	Fluoxetine-D6	316.2 -> 44.3			310.1 -> 148...	316.2 -> 44.3			310.1 -> 148...
Hydrocodone	300.2 -> 198...	6/1/2018 11:35 AM	5.434	165	1.56	300.2 -> 128...			300.2 -> 128...	306.2 -> 202...	Hydrocodone-D6	306.2 -> 202...			300.2 -> 128...	306.2 -> 202...			300.2 -> 128...
Hydromorphone	286.2 -> 184...	6/1/2018 11:35 AM				286.2 -> 157...			286.2 -> 157...	292.2 -> 185...	Hydromorphone-D6	292.2 -> 185...			286.2 -> 157...	292.2 -> 185...			286.2 -> 157...
Ketamine	238.1 -> 125...	6/1/2018 11:35 AM				238.1 -> 220...			238.1 -> 220...	242.1 -> 129...	Ketamine-D4	242.1 -> 129...			238.1 -> 220...	242.1 -> 129...			238.1 -> 220...
Meprobamate	219.1 -> 158...	6/1/2018 11:35 AM				219.1 -> 97.1			219.1 -> 97.1	226.2 -> 165...	Meprobamate-D7	226.2 -> 165...			219.1 -> 97.1	226.2 -> 165...			219.1 -> 97.1
Methadone	310.2 -> 265...	6/1/2018 11:35 AM	6.285	332	0.27	310.2 -> 105...			310.2 -> 105...	319.3 -> 268...	Methadone-D9	319.3 -> 268...			310.2 -> 105...	319.3 -> 268...			310.2 -> 105...
Methamphetamine	150.1 -> 91.1	6/1/2018 11:35 AM	5.057	69730	8.46	150.1 -> 119...			150.1 -> 119...	161.2 -> 97.1	Methamphetamine-D11	161.2 -> 97.1			150.1 -> 119...	161.2 -> 97.1			150.1 -> 119...
Morphine	286.2 -> 201...	6/1/2018 11:35 AM	4.438	479	2.61	286.2 -> 165...			286.2 -> 165...	292.2 -> 152...	Morphine-D6	292.2 -> 152...			286.2 -> 165...	292.2 -> 152...			286.2 -> 165...
Naloxone	328.2 -> 309...	6/1/2018 11:35 AM	5.631	108	1.20	328.2 -> 211...			328.2 -> 211...	333.2 -> 315...	Naloxone-D5	333.2 -> 315...			328.2 -> 211...	333.2 -> 315...			328.2 -> 211...
Naltrexol	344.2 -> 326...	6/1/2018 11:35 AM	5.222	17651	34.86	344.2 -> 308...			344.2 -> 308...	347.2 -> 329...	Naltrexol-D3	347.2 -> 329...			344.2 -> 308...	347.2 -> 329...			344.2 -> 308...
Naltrexone	342.2 -> 324...	6/1/2018 11:35 AM				342.2 -> 55.3			342.2 -> 55.3	345.2 -> 327...	Naltrexone-D3	345.2 -> 327...			342.2 -> 55.3	345.2 -> 327...			342.2 -> 55.3
Norbuprenorphine	414.3 -> 101...	6/1/2018 11:35 AM				414.3 -> 57.3			414.3 -> 57.3	417.3 -> 101...	Norbuprenorphine-D3	417.3 -> 101...			414.3 -> 57.3	417.3 -> 101...			414.3 -> 57.3
Nordiazepam	271.1 -> 140...	6/1/2018 11:35 AM	6.334	328	233.61	271.1 -> 208...			271.1 -> 208...	276.1 -> 140...	Nordiazepam-D5	276.1 -> 140...			271.1 -> 208...	276.1 -> 140...			271.1 -> 208...
Norfentanyl	233.2 -> 84.2	6/1/2018 11:35 AM	5.361	55	15.43	233.2 -> 55.3	822	2458	233.2 -> 55.3	238.2 -> 84.2	Norfentanyl-D5	238.2 -> 84.2	822	2458	233.2 -> 55.3	238.2 -> 84.2	822	2458	233.2 -> 55.3
Norhydrocodone	286.2 -> 199...	6/1/2018 11:35 AM				286.2 -> 171...			286.2 -> 171...	289.2 -> 202...	Norhydrocodone-D3	289.2 -> 202...			286.2 -> 171...	289.2 -> 202...			286.2 -> 171...
Noroxycodone	302.1 -> 284...	6/1/2018 11:35 AM				302.1 -> 186...			302.1 -> 186...	305.2 -> 287...	Noroxycodone-D3	305.2 -> 287...			302.1 -> 186...	305.2 -> 287...			302.1 -> 186...
O-desmethyl-tramadol	250.2 -> 58.3	6/1/2018 11:35 AM	4.991	48486	23.88	250.2 -> 42.3	483	2.34	250.2 -> 42.3	256.2 -> 64.3	O-desmethyl-tramadol-	256.2 -> 64.3	483	2.34	250.2 -> 42.3	256.2 -> 64.3	483	2.34	250.2 -> 42.3
Oxazepam	287.1 -> 240...	6/1/2018 11:35 AM	5.924	1562	1.36	287.1 -> 268...			287.1 -> 268...	292.1 -> 246...	Oxazepam-D5	292.1 -> 246...			287.1 -> 268...	292.1 -> 246...			287.1 -> 268...
Oxycodone	316.2 -> 298...	6/1/2018 11:35 AM	5.104	966	1.02	316.2 -> 241...			316.2 -> 241...	322.2 -> 304...	Oxycodone-D6	322.2 -> 304...			316.2 -> 241...	322.2 -> 304...			316.2 -> 241...
Oxymorphone	302.1 -> 284...	6/1/2018 11:35 AM	4.456	683	205.80	302.1 -> 227...			302.1 -> 227...	305.2 -> 287...	Oxymorphone-D3	305.2 -> 287...			302.1 -> 227...	305.2 -> 287...			302.1 -> 227...
Phentermine	150.1 -> 65.2	6/1/2018 11:35 AM				150.1 -> 133...			150.1 -> 133...	155.2 -> 96.2	Phentermine-D5	155.2 -> 96.2			150.1 -> 133...	155.2 -> 96.2			150.1 -> 133...
Promethazine	285.1 -> 86.2	6/1/2018 11:35 AM	6.249	1316	0.57	285.1 -> 71.3	855	1.10	285.1 -> 71.3	288.2 -> 89.2	Promethazine-D3	288.2 -> 89.2	855	1.10	285.1 -> 71.3	288.2 -> 89.2	855	1.10	285.1 -> 71.3
Quetiapine	384.2 -> 253...	6/1/2018 11:35 AM	6.339	754	3.33	384.2 -> 221...			384.2 -> 221...	392.2 -> 226...	Quetiapine-D8	392.2 -> 226...							

Compounda metnoa		p i negative				p i negative Results				Quaimer i Results				ISIJ Method				ISIJ Results	
Name	Transition	Acq. Date-Time	RT	Resp.	S/N	MI	Transition	Area	S/N	MI	Name	Transition	RT	Resp.	MI				
Tramadol	264.2 -> 58.3	6/1/2018 11:35 AM	5.419	15735	1.98	1	264.2 -> 43.3	317	14.85	1	Tramadol-13C-D3	268.2 -> 58.3	5.419	30628...	1				
Trazodone	372.2 -> 176...	6/1/2018 11:35 AM	6.522	2869	13.91	1	372.2 -> 148...			1	Trazodone-D6	378.2 -> 182...	6.461	16604...	1				
Venlafaxine	278.2 -> 58.3	6/1/2018 11:35 AM				1	278.2 -> 260...			1	Venlafaxine-D6	284.2 -> 64.3	5.681	13276...	1				
Zolpidem	308.2 -> 235...	6/1/2018 11:35 AM				1	308.2 -> 263...			1	Zolpidem-D6	314.2 -> 235...	6.102	35353...	1				

Compoundo metnoda				p i external control Results				Qualiter i M...				IS ID metnoda				IS ID Results			
Name	Transition	Acq. Date-Time	RT	Resp.	S/N	MI	Transition	Area	S/N	MI	Name	Transition	RT	Resp	MI				
6-MAM	328.2 -> 165...	6/1/2018 11:54 AM					328.2 -> 211...				6-MAM-D6	334.2 -> 165...	5.183	133010					
7-aminoclonazepam	286.1 -> 121...	6/1/2018 11:54 AM	5.415	34	5.59		286.1 -> 222...				7-Aminoclonazepam-D4	290.1 -> 121...	5.415	212468					
Acetyl Fentanyl	323.2 -> 105...	6/1/2018 11:54 AM	5.876	326	3.53		323.2 -> 188...				Acetyl Fentanyl-D5	328.2 -> 105...	5.834	23979...					
Acetyl Norfentanyl	219.1 -> 84.2	6/1/2018 11:54 AM	4.934	212	2.00		219.1 -> 56.3				Acetyl Norfentanyl-D5	224.2 -> 84.2	4.893	963807					
a-hydroxylprazolam	325.1 -> 297...	6/1/2018 11:54 AM	6.160	179	1.18		325.1 -> 215...				a-hydroxylprazolam-D5	330.1 -> 302...	6.159	103467					
alpha-PVP	232.2 -> 91.0	6/1/2018 11:54 AM	5.708	54	1.54		232.2 -> 77.1	586	1.19		alpha-PVP-d8	240.2 -> 91.1	5.543	11781...					
Alprazolam	309.1 -> 281...	6/1/2018 11:54 AM	6.083	6281	3072.95		309.1 -> 205...	642	201.00		Alprazolam-D5	314.1 -> 286...	6.264	758707					
Amphetamine	136.1 -> 91.1	6/1/2018 11:54 AM	4.814	10413	1.84		136.1 -> 119...	623	0.57		Amphetamine-D11	147.2 -> 130...	4.814	13950					
Bupropion	240.1 -> 184...	6/1/2018 11:54 AM	5.666	127	0.74		240.1 -> 131...	3399	5.63		Bupropion-D9	249.2 -> 185...	5.726	302601					
Carisoprodol	261.2 -> 176...	6/1/2018 11:54 AM					261.2 -> 55.3				Carisoprodol-D7	268.2 -> 183...	5.908	132413					
Citalopram	325.2 -> 109...	6/1/2018 11:54 AM					325.2 -> 262...				Citalopram-D6	331.2 -> 109...	5.935	10257...					
Clonazepam	316.1 -> 269...	6/1/2018 11:54 AM	6.081	477	2.74		316.1 -> 213...				Clonazepam-D4	320.1 -> 217...	6.121	36132					
Codeine	300.2 -> 215...	6/1/2018 11:54 AM	5.270	191	0.36		300.2 -> 165...				Codeine-D6	306.2 -> 218...	5.125	113955					
Cyclobenzaprine	276.2 -> 214...	6/1/2018 11:54 AM	6.191	698	200.34		276.2 -> 231...	113	0.96		Cyclobenzaprine-D3	279.2 -> 215...	6.210	806587					
Dextromethorphan	272.2 -> 171...	6/1/2018 11:54 AM					272.2 -> 147...				Dextromethorphan-D3	275.2 -> 171...	5.988	485222					
Dextroproprian	258.2 -> 157...	6/1/2018 11:54 AM	5.502	1852	298.40		258.2 -> 133...				Dextroproprian-D3	261.2 -> 157...	5.419	395325					
Diazepam	285.1 -> 193...	6/1/2018 11:54 AM	6.492	948410	Infinity		285.1 -> 153...	14652...	17143...		Diazepam-D5	290.1 -> 198...	6.491	338747					
Dihydrocodeine	302.2 -> 198...	6/1/2018 11:54 AM					302.2 -> 128...				Dihydrocodeine-D6	308.2 -> 202...	4.921	137564					
Diphenhydramine	256.2 -> 167...	6/1/2018 11:54 AM	5.929	3063	3.05		256.2 -> 152...	2137	0.69		Diphenhydramine-D3	259.2 -> 167...	5.909	26407...					
Doxylamine	271.2 -> 182...	6/1/2018 11:54 AM	5.642	729	72.37		271.2 -> 167...				Doxylamine-D5	276.2 -> 187...	5.580	543087					
EDDP	279.2 -> 235...	6/1/2018 11:54 AM	5.966	549	9.04		279.2 -> 250...	153	1.57		EDDP-D3	282.2 -> 235...	5.946	261932					
Fentanyl	337.2 -> 105...	6/1/2018 11:54 AM	6.057	139	2.31		337.2 -> 188...				Fentanyl-D5	342.3 -> 105...	6.036	20398...					
Fluoxetine	310.1 -> 44.3	6/1/2018 11:54 AM	6.144	1011	678.42		310.1 -> 148...	205	2.11		Fluoxetine-D6	316.2 -> 44.3	6.142	28781...					
Hydrocodone	300.2 -> 198...	6/1/2018 11:54 AM	5.352	122	4.64		300.2 -> 128...	301	70.13		Hydrocodone-D6	306.2 -> 202...	5.351	403640					
Hydromorphone	286.2 -> 184...	6/1/2018 11:54 AM					286.2 -> 157...				Hydromorphone-D6	292.2 -> 185...	4.680	145087					
Ketamine	238.1 -> 125...	6/1/2018 11:54 AM	5.768	485	0.39		238.1 -> 220...	1060	0.64		Ketamine-D4	242.1 -> 129...	5.625	11951...					
Meprobamate	219.1 -> 158...	6/1/2018 11:54 AM	5.443	353	95.52		219.1 -> 97.1				Meprobamate-D7	226.2 -> 165...	5.464	9653					
Methadone	310.2 -> 265...	6/1/2018 11:54 AM					310.2 -> 105...				Methadone-D9	319.3 -> 268...	6.243	17933...					
Methamphetamine	150.1 -> 91.1	6/1/2018 11:54 AM	5.057	30533	20.61		150.1 -> 119...				Methamphetamine-D11	161.2 -> 97.1	4.996	271443					
Morphine	286.2 -> 201...	6/1/2018 11:54 AM	4.620	459	7.43		286.2 -> 165...	53	0.67		Morphine-D6	292.2 -> 152...	4.397	26653					
Naloxone	328.2 -> 309...	6/1/2018 11:54 AM	5.408	179	78.30		328.2 -> 211...				Naloxone-D5	333.2 -> 315...	5.509	200138					
Naltrexol	344.2 -> 326...	6/1/2018 11:54 AM	5.243	15676	37.50		344.2 -> 308...				Naltrexol-D3	347.2 -> 329...	5.018	258826					
Naltrexone	342.2 -> 324...	6/1/2018 11:54 AM					342.2 -> 55.3				Naltrexone-D3	345.2 -> 327...	5.222	684594					
Norbuprenorphine	414.3 -> 101...	6/1/2018 11:54 AM					414.3 -> 57.3				Norbuprenorphine-D3	417.3 -> 101...	5.749	17297					
Nordiazepam	271.1 -> 140...	6/1/2018 11:54 AM					271.1 -> 208...				Nordiazepam-D5	276.1 -> 140...	6.333	155579					
Norfentanyl	233.2 -> 84.2	6/1/2018 11:54 AM					233.2 -> 55.3				Norfentanyl-D5	238.2 -> 84.2	5.340	14926...					
Norhydrocodone	286.2 -> 199...	6/1/2018 11:54 AM	5.108	107	0.63		286.2 -> 171...				Norhydrocodone-D3	289.2 -> 202...	5.005	146111					
Noroxycodone	302.1 -> 284...	6/1/2018 11:54 AM	4.922	535	3.51		302.1 -> 186...				Noroxycodone-D3	305.2 -> 287...	4.921	176286					
O-desmethyl-tramadol	250.2 -> 58.3	6/1/2018 11:54 AM	5.032	42143	Infinity		250.2 -> 42.3	173	1.40		O-desmethyl-tramadol...	256.2 -> 64.3	4.931	12999...					
Oxazepam	287.1 -> 240...	6/1/2018 11:54 AM	6.147	220	0.75		287.1 -> 268...				Oxazepam-D5	292.1 -> 246...	6.167	126177					
Oxycodone	316.2 -> 298...	6/1/2018 11:54 AM	5.144	21434...	83.49		316.2 -> 241...	416121	Infinity		Oxycodone-D6	322.2 -> 304...	5.083	351889					
Oxymorphone	302.1 -> 284...	6/1/2018 11:54 AM	4.496	385	1.07		302.1 -> 227...				Oxymorphone-D3	305.2 -> 287...	4.374	951556					
Phentermine	150.1 -> 65.2	6/1/2018 11:54 AM					150.1 -> 133...				Phentermine-D5	155.2 -> 96.2	5.138	504742					
Promethazine	285.1 -> 86.2	6/1/2018 11:54 AM	6.229	787	0.62		285.1 -> 71.3	296	1.01		Promethazine-D3	288.2 -> 89.2	6.228	21807...					
Quetiapine	384.2 -> 253...	6/1/2018 11:54 AM	6.400	1414	2.57		384.2 -> 221...				Quetiapine-D8	392.2 -> 226...	6.318	510952					
Seftalaine	306.1 -> 158...	6/1/2018 11:54 AM	6.368	338	2.12		306.1 -> 275...	2196	5.12		Seftalaine-D3	309.1 -> 275...	6.428	826762					
Sufentanil	387.2 -> 238...	6/1/2018 11:54 AM	6.359	843	285.56		387.2 -> 111...	2246	548.96		Sufentanil-D5	392.2 -> 238...	6.358	766261					
Temazepam	301.1 -> 255...	6/1/2018 11:54 AM	6.288	1249	12.38		301.1 -> 283...				Temazepam-D5	306.1 -> 260...	6.308	10383...					

Compounda metoda			p i external control results			Qualifier I Results			ISID metoda			ISID Results			
Name	Transition	Acq. Date-Time	RT	Resp.	S/N	MI	Transition	Area	S/N	MI	Name	Transition	RT	Resp.	MI
Tramadol	264.2 -> 58.3	6/1/2018 11:54 AM	5.439	14701	3.66		264.2 -> 43.3	652	1.82		Tramadol-13C-D3	268.2 -> 58.3	5.439	29370..	
Trazodone	372.2 -> 176...	6/1/2018 11:54 AM	6.502	2322	4.20		372.2 -> 148...	5608	0.96		Trazodone-D6	378.2 -> 182...	6.461	15960..	
Venlafaxine	278.2 -> 58.3	6/1/2018 11:54 AM	5.885	2267	1.04		278.2 -> 260...	288	76.92		Venlafaxine-D6	284.2 -> 64.3	5.701	12568...	
Zolpidem	308.2 -> 235...	6/1/2018 11:54 AM	6.165	2024	15.39		308.2 -> 263...	156	0.47		Zolpidem-D6	314.2 -> 235...	6.122	33586..	

Compounda wmetnoa			pZ cal ID Results				Qualifier I W...				Qualifier I Results				ISU wmetnoa				ISU Results			
Name	Transition	Acq. Date-Time	RT	Resp.	S/N	MI	Transition	Area	S/N	MI	Name	Transition	RT	Resp.	S/N	MI	Name	Transition	RT	Resp.		
7-aminoflunitrazepam	284.1 -> 135...	6/1/2018 11:25 A...	5.568	156650	2893.32	1	284.1 -> 93.2	19129	944.68	1	7-aminoflunitrazepam-D7	291.2 -> 138...	5.567	11764...	944.68	1	7-aminoflunitrazepam-D7	291.2 -> 138...	5.567	11764...		
alpha-hydroxymidazolam	342.1 -> 324...	6/1/2018 11:25 A...	6.250	175803	27743.44	1	342.1 -> 203...	67197	652.87	1	alpha-hydroxymidazolam...	346.1 -> 328...	6.250	682650	652.87	1	alpha-hydroxymidazolam...	346.1 -> 328...	6.250	682650		
Amitriptyline	278.2 -> 91.2	6/1/2018 11:25 A...	6.322	531347	Infinity	1	278.2 -> 105...	1918...	99.43	1	Amitriptyline-D3	281.2 -> 91.2	6.321	12274...	99.43	1	Amitriptyline-D3	281.2 -> 91.2	6.321	12274...		
Amoxapine	314.1 -> 271...	6/1/2018 11:25 A...	6.295	127780	205.93	1	314.1 -> 193...	80931	28500...	1	Amitriptyline-D3	281.2 -> 91.2	6.321	12274...	28500...	1	Amitriptyline-D3	281.2 -> 91.2	6.321	12274...		
Benzoyllecgonine	290.1 -> 168...	6/1/2018 11:25 A...	5.219	43496	16296.23	1	290.1 -> 105...	19687	39.77	1	Benzoyllecgonine-D8	298.2 -> 171...	5.198	15923	39.77	1	Benzoyllecgonine-D8	298.2 -> 171...	5.198	15923		
Carbamazepine	237.1 -> 193...	6/1/2018 11:25 A...	5.941	74243	19292.10	1	237.1 -> 194...	4534...	707.23	1	Carbamazepine-13C6	243.1 -> 200...	5.941	25995...	707.23	1	Carbamazepine-13C6	243.1 -> 200...	5.941	25995...		
Chlordiazepoxide	300.1 -> 227...	6/1/2018 11:25 A...	6.379	44893	14980.62	1	300.1 -> 282...	53677	20.11	1	Chlordiazepoxide-D5	305.1 -> 286...	6.378	975668	20.11	1	Chlordiazepoxide-D5	305.1 -> 286...	6.378	975668		
Clomipramine	315.2 -> 86.2	6/1/2018 11:25 A...	6.558	743362	524.35	1	315.2 -> 58.3	4206...	852.24	1	Clomipramine-D3	318.2 -> 89.2	6.557	22539...	852.24	1	Clomipramine-D3	318.2 -> 89.2	6.557	22539...		
Cocaine	304.2 -> 182...	6/1/2018 11:25 A...	5.564	316538	149.89	1	304.2 -> 105...	43827	42652...	1	Cocaine-D3	307.2 -> 185...	5.543	11350...	42652...	1	Cocaine-D3	307.2 -> 185...	5.543	11350...		
Desipramine	267.2 -> 72.3	6/1/2018 11:25 A...	6.243	692607	139706...	1	267.2 -> 44.3	2867	168.08	1	Desipramine-D3	270.2 -> 75.3	6.222	17352...	168.08	1	Desipramine-D3	270.2 -> 75.3	6.222	17352...		
Doxepin	280.2 -> 107...	6/1/2018 11:25 A...	6.058	148172	285.91	1	280.2 -> 77.2	64375	132.24	1	Doxepin-D3	283.2 -> 107...	6.036	407464	132.24	1	Doxepin-D3	283.2 -> 107...	6.036	407464		
Estazolam	295.1 -> 267...	6/1/2018 11:25 A...	6.198	161406	40427.41	1	295.1 -> 205...	1058...	419.93	1	Estazolam-D5	300.1 -> 272...	6.176	11136...	419.93	1	Estazolam-D5	300.1 -> 272...	6.176	11136...		
Flunitrazepam	314.1 -> 268...	6/1/2018 11:25 A...	6.214	210961	175.95	1	314.1 -> 239...	60844	337.28	1	Flunitrazepam-D7	321.1 -> 245...	6.213	78589	337.28	1	Flunitrazepam-D7	321.1 -> 245...	6.213	78589		
Flurazepam	388.2 -> 315...	6/1/2018 11:25 A...	6.106	385894	167.90	1	388.2 -> 317...	54771	198.68	1	Zopiclone-D4	393.1 -> 244...	6.086	224903	198.68	1	Zopiclone-D4	393.1 -> 244...	6.086	224903		
Imipramine	281.2 -> 86.2	6/1/2018 11:25 A...	6.280	744313	Infinity	1	281.2 -> 58.3	4273...	615.31	1	Imipramine-D3	284.2 -> 61.3	6.280	27097...	615.31	1	Imipramine-D3	284.2 -> 61.3	6.280	27097...		
Levamisole	205.1 -> 91.2	6/1/2018 11:25 A...	5.292	113840	84.91	1	205.1 -> 178...	1411...	70.55	1	Cocaine-D3	307.2 -> 185...	5.543	11350...	70.55	1	Cocaine-D3	307.2 -> 185...	5.543	11350...		
Maprotiline	278.2 -> 91.2	6/1/2018 11:25 A...	5.956	380695	Infinity	1	278.2 -> 117...	3361	1212.02	1	Meperidine-D4	252.2 -> 224...	5.573	205330	1212.02	1	Meperidine-D4	252.2 -> 224...	5.573	205330		
MDA	180.1 -> 163...	6/1/2018 11:25 A...	5.009	91850	148.56	1	180.1 -> 105...	45659	93.06	1	MDA-D5	185.1 -> 168...	5.009	187543	93.06	1	MDA-D5	185.1 -> 168...	5.009	187543		
MDEA	208.1 -> 163...	6/1/2018 11:25 A...	5.271	335509	56.63	1	208.1 -> 105...	1292...	27.42	1	MDEA-D6	214.2 -> 166...	5.271	993070	27.42	1	MDEA-D6	214.2 -> 166...	5.271	993070		
MDMA	194.1 -> 163...	6/1/2018 11:25 A...	5.130	172384	Infinity	1	194.1 -> 105...	85163	78.01	1	MDMA-D6	200.2 -> 166...	5.109	41515	78.01	1	MDMA-D6	200.2 -> 166...	5.109	41515		
Meperidine	248.2 -> 220...	6/1/2018 11:25 A...	5.594	131400	590.63	1	248.2 -> 174...	99114	28632...	1	Meperidine-D4	252.2 -> 224...	5.573	205330	28632...	1	Meperidine-D4	252.2 -> 224...	5.573	205330		
Methyphenidate	234.2 -> 84.2	6/1/2018 11:25 A...	5.514	710316	196.94	1	234.2 -> 56.3	1202...	40063...	1	Meperidine-D4	252.2 -> 224...	5.573	205330	40063...	1	Meperidine-D4	252.2 -> 224...	5.573	205330		
Metoprolol	268.2 -> 116...	6/1/2018 11:25 A...	5.447	55111	164.68	1	268.2 -> 56.3	64956	15396...	1	Meperidine-D4	252.2 -> 224...	5.573	205330	15396...	1	Meperidine-D4	252.2 -> 224...	5.573	205330		
Midazolam	326.1 -> 223...	6/1/2018 11:25 A...	6.414	60004	86.38	1	326.1 -> 249...	53112	201.36	1	Midazolam-D4	330.1 -> 295...	6.413	887428	201.36	1	Midazolam-D4	330.1 -> 295...	6.413	887428		
Mirtazapine	266.2 -> 195...	6/1/2018 11:25 A...	5.999	354562	46048.36	1	266.2 -> 72.3	3101...	82075...	1	Midazolam-D4	330.1 -> 295...	6.413	887428	82075...	1	Midazolam-D4	330.1 -> 295...	6.413	887428		
Mitragynine	399.2 -> 174...	6/1/2018 11:25 A...	6.105	162313	213.15	1	399.2 -> 238...	42810	407.58	1	Carbamazepine-13C6	243.1 -> 200...	5.941	25995...	407.58	1	Carbamazepine-13C6	243.1 -> 200...	5.941	25995...		
Normeperidine	234.1 -> 42.3	6/1/2018 11:25 A...	5.555	116371	72.20	1	234.1 -> 160...	52146	11672...	1	Normeperidine-D4	238.2 -> 164...	5.533	996456	11672...	1	Normeperidine-D4	238.2 -> 164...	5.533	996456		
Norpropoxyphene	326.2 -> 44.3	6/1/2018 11:25 A...	6.110	60771	146.66	1	326.2 -> 252...	18350	156.69	1	Norpropoxyphene-D5	331.2 -> 44.3	6.109	289313	156.69	1	Norpropoxyphene-D5	331.2 -> 44.3	6.109	289313		
Ondansetron	294.2 -> 184...	6/1/2018 11:25 A...	5.790	220956	523.39	1	294.2 -> 212...	41598	9901.52	1	Pentazocine-13C3	289.2 -> 72.3	5.608	14717...	9901.52	1	Pentazocine-13C3	289.2 -> 72.3	5.608	14717...		
Pentazocine	286.2 -> 218...	6/1/2018 11:25 A...	5.608	228880	940.75	1	286.2 -> 41.3	1082...	43.99	1	Pentazocine-13C3	289.2 -> 72.3	5.608	14717...	43.99	1	Pentazocine-13C3	289.2 -> 72.3	5.608	14717...		
Phenazepam	349.0 -> 206...	6/1/2018 11:25 A...	6.290	41969	184.44	1	349.0 -> 183...	46056	132.17	1	Phenazepam-D4	353.0 -> 183...	6.289	18728	132.17	1	Phenazepam-D4	353.0 -> 183...	6.289	18728		
Phencyclidine	244.2 -> 86.2	6/1/2018 11:25 A...	5.838	159298	50781.02	1	244.2 -> 91.1	2026...	106.04	1	Phencyclidine-D5	249.2 -> 86.2	5.817	12335...	106.04	1	Phencyclidine-D5	249.2 -> 86.2	5.817	12335...		
Phenytolol	293.1 -> 104...	6/1/2018 11:25 A...	5.836	4015	20.59	1	293.1 -> 182...	5539	1759.55	1	Phenytolol-D10	263.2 -> 192...	5.836	28148	1759.55	1	Phenytolol-D10	263.2 -> 192...	5.836	28148		
Praxepam	325.1 -> 271...	6/1/2018 11:25 A...	6.780	516447	564.89	1	325.1 -> 140...	1605...	265.86	1	Praxepam-D5	330.1 -> 276...	6.757	26172...	265.86	1	Praxepam-D5	330.1 -> 276...	6.757	26172...		
Primidone	219.1 -> 91.2	6/1/2018 11:25 A...	5.249	21266	9.61	1	219.1 -> 162...	16592	6227.13	1	Praxepam-D5	330.1 -> 276...	6.757	26172...	6227.13	1	Praxepam-D5	330.1 -> 276...	6.757	26172...		
Propoxyphene	340.2 -> 58.3	6/1/2018 11:25 A...	6.149	58058	2483.52	1	340.2 -> 266...	83194	13111...	1	Propoxyphene-D11	351.3 -> 277...	6.128	253769	13111...	1	Propoxyphene-D11	351.3 -> 277...	6.128	253769		
Pseudoephedrine	166.1 -> 148...	6/1/2018 11:25 A...	4.646	27884...	429.44	1	166.1 -> 133...	6183...	42.89	1	Pseudoephedrine-D3	169.1 -> 151...	4.646	715794	42.89	1	Pseudoephedrine-D3	169.1 -> 151...	4.646	715794		
Tapentadol	222.2 -> 107...	6/1/2018 11:25 A...	5.433	260441	111.97	1	222.2 -> 121...	1430...	124.30	1	Tapentadol-D3	225.2 -> 107...	5.433	11132...	124.30	1	Tapentadol-D3	225.2 -> 107...	5.433	11132...		
Trimipramine	295.2 -> 100...	6/1/2018 11:25 A...	6.360	775181	129.13	1	295.2 -> 58.3	4929...	109.59	1	Trimipramine-D3	298.2 -> 103...	6.360	40213...	109.59	1	Trimipramine-D3	298.2 -> 103...	6.360	40213...		
Verapamil	455.3 -> 165...	6/1/2018 11:25 A...	6.125	576200	615.96	1	455.3 -> 150...	1729...	71.99	1	Trimipramine-D3	298.2 -> 103...	6.360	40213...	71.99	1	Trimipramine-D3	298.2 -> 103...	6.360	40213...		
Zaleplon	306.1 -> 236...	6/1/2018 11:25 A...	6.032	177841	210.61	1	306.1 -> 264...	2104...	29197...	1	Zaleplon-D4	310.2 -> 240...	6.031	434570	29197...	1	Zaleplon-D4	310.2 -> 240...	6.031	434570		
Zopiclone	389.1 -> 244...	6/1/2018 11:25 A...	6.086	22397	31.48	1	389.1 -> 216...	10910	23.84	1	Zopiclone-D4	393.1 -> 244...	6.086	224903	23.84	1	Zopiclone-D4	393.1 -> 244...	6.086	224903		
Nortriptyline	264.2 -> 91.2	6/1/2018 11:25 A...	6.284	190309	Infinity	1	264.2 -> 233...	1427...	Infinity	1	Nortriptyline-D3	267.2 -> 233...	6.263	838730	Infinity	1	Nortriptyline-D3	267.2 -> 233...	6.263	838730		

Compound metnoa				p2 negative				p2 negative results				Quaamer I M...				Quaamer I results				ISID metnoa				ISID Results			
Name	Transition	Acq. Date-Time	RT	Resp.	S/N	MI	Transition	Area	S/N	MI	Transition	Area	S/N	MI	Name	Transition	RT	Resp									
7-aminoflunitrazepam	284.1 -> 135...	6/1/2018 11:44 AM	5.690	4376	11.86	284.1 -> 93.2	1311	1.03	7-aminoflunitrazepam-D7	291.2 -> 138...	5.545	11637...															
alpha-hydroxymidazolam	342.1 -> 324...	6/1/2018 11:44 AM	6.271	1297	63.18	342.1 -> 203...	11663	28.02	alpha-hydroxymidazolam-	346.1 -> 328...	6.230	719577															
Amtriptyline	278.2 -> 91.2	6/1/2018 11:44 AM	6.423	6471	1.44	278.2 -> 105...	98	0.46	Amtriptyline-D3	281.2 -> 91.2	6.301	11832...															
Amoxapine	314.1 -> 271...	6/1/2018 11:44 AM	6.255	1736	5.99	314.1 -> 193...	1081	0.52	Amtriptyline-D3	281.2 -> 91.2	6.301	11832...															
Benzoylcegonine	290.1 -> 168...	6/1/2018 11:44 AM	5.199	1500	11.09	290.1 -> 105...	402	0.78	Benzoylcegonine-D8	298.2 -> 171...	5.198	14533															
Carbamazepine	237.1 -> 193...	6/1/2018 11:44 AM	6.226	740	2.44	237.1 -> 194...	151	0.95	Carbamazepine-13C6	243.1 -> 200...	5.920	25938...															
Chlordiazepoxide	300.1 -> 227...	6/1/2018 11:44 AM	6.156	836	10.56	300.1 -> 282...	9524	8.03	Chlordiazepoxide-D5	305.1 -> 286...	6.358	961168															
Clomipramine	315.2 -> 86.2	6/1/2018 11:44 AM	6.477	550	1.39	315.2 -> 58.3	402	0.78	Clomipramine-D3	318.2 -> 89.2	6.537	21116...															
Cocaine	304.2 -> 182...	6/1/2018 11:44 AM	5.543	4640	1.70	304.2 -> 105...	151	0.95	Cocaine-D3	307.2 -> 185...	5.543	10418...															
Desipramine	267.2 -> 72.3	6/1/2018 11:44 AM	6.263	5986	876.46	267.2 -> 44.3	9524	8.03	Desipramine-D3	270.2 -> 75.3	6.222	16449...															
Doxepin	280.2 -> 107...	6/1/2018 11:44 AM	6.058	300	0.79	280.2 -> 77.2			Doxepin-D3	283.2 -> 107...	6.016	370578															
Estazolam	295.1 -> 267...	6/1/2018 11:44 AM	6.523	218	1.30	295.1 -> 205...	709	2.15	Estazolam-D5	300.1 -> 272...	6.176	11958...															
Flunitrazepam	314.1 -> 268...	6/1/2018 11:44 AM	6.255	4940	11.60	314.1 -> 239...	373	4.91	Flunitrazepam-D7	321.1 -> 245...	6.193	82125															
Flurazepam	388.2 -> 315...	6/1/2018 11:44 AM	6.046	178	0.38	388.2 -> 317...	1287	0.63	Zopiclone-D4	393.1 -> 244...	6.065	190432															
Imipramine	281.2 -> 86.2	6/1/2018 11:44 AM	6.301	5198	1359.78	281.2 -> 58.3	106	0.78	Imipramine-D3	284.2 -> 61.3	6.260	26088...															
Levamisole	205.1 -> 91.2	6/1/2018 11:44 AM	5.942	2240	0.59	205.1 -> 178...	106	0.78	Cocaine-D3	307.2 -> 185...	5.543	10418...															
Maprotiline	278.2 -> 91.2	6/1/2018 11:44 AM	5.833	183	61.34	278.2 -> 117...			Meperidine-D4	252.2 -> 224...	5.552	209028															
MDA	180.1 -> 163...	6/1/2018 11:44 AM	5.029	723	1.48	180.1 -> 105...	117	1.20	MDA-D5	185.1 -> 168...	4.988	187796															
MDEA	208.1 -> 163...	6/1/2018 11:44 AM	5.088	731	14.77	208.1 -> 105...	1218	2.56	MDEA-D6	214.2 -> 166...	5.250	10135...															
MDMA	194.1 -> 163...	6/1/2018 11:44 AM	4.988	594	1.85	194.1 -> 105...	281	1.21	MDMA-D6	200.2 -> 166...	5.089	36704															
Meperidine	248.2 -> 220...	6/1/2018 11:44 AM	5.532	352	1.22	248.2 -> 174...	374	1.51	Meperidine-D4	252.2 -> 224...	5.552	209028															
Methyphenidate	234.2 -> 84.2	6/1/2018 11:44 AM	5.493	779	1.22	234.2 -> 56.3	280	1.76	Meperidine-D4	252.2 -> 224...	5.552	209028															
Metoprolol	268.2 -> 116...	6/1/2018 11:44 AM				268.2 -> 56.3			Meperidine-D4	252.2 -> 224...	5.552	209028															
Midazolam	326.1 -> 223...	6/1/2018 11:44 AM	6.273	53	1.30	326.1 -> 249...	299	187.79	Midazolam-D4	330.1 -> 295...	6.413	884555															
Mirtazapine	266.2 -> 195...	6/1/2018 11:44 AM	6.061	795	2.42	266.2 -> 72.3	200	1.28	Midazolam-D4	330.1 -> 295...	6.413	884555															
Mitragynine	399.2 -> 174...	6/1/2018 11:44 AM				399.2 -> 238...			Carbamazepine-13C6	243.1 -> 200...	5.920	25938...															
Normeperidine	234.1 -> 42.3	6/1/2018 11:44 AM	5.473	95	0.48	234.1 -> 160...			Normeperidine-D4	238.2 -> 164...	5.533	911838															
Norpropoxyphene	326.2 -> 44.3	6/1/2018 11:44 AM	5.886	63	0.61	326.2 -> 252...	254	3.29	Norpropoxyphene-D5	331.2 -> 44.3	6.089	265662															
Ondansetron	294.2 -> 184...	6/1/2018 11:44 AM	5.769	80	4.12	294.2 -> 212...	139	0.42	Pentazocine-13C3	289.2 -> 72.3	5.588	14315...															
Pentazocine	286.2 -> 218...	6/1/2018 11:44 AM	5.995	259	93.47	286.2 -> 41.3	139	0.42	Pentazocine-13C3	289.2 -> 72.3	5.588	14315...															
Phenazepam	349.0 -> 206...	6/1/2018 11:44 AM	6.250	1756	395.12	349.0 -> 183...	3152	1.17	Phenazepam-D4	353.0 -> 183...	6.269	21768															
Phencyclidine	244.2 -> 86.2	6/1/2018 11:44 AM	5.818	196	1.20	244.2 -> 91.1	3152	1.17	Phencyclidine-D5	249.2 -> 86.2	5.817	11852...															
Phenyltoin	253.1 -> 104...	6/1/2018 11:44 AM	5.836	248	1.21	253.1 -> 182...	124	0.33	Phenyltoin-D10	263.2 -> 192...	5.816	21319															
Prizepam	325.1 -> 271...	6/1/2018 11:44 AM	6.903	304	0.82	325.1 -> 140...	124	0.33	Prizepam-D5	330.1 -> 276...	6.778	30798...															
Primidone	219.1 -> 91.2	6/1/2018 11:44 AM	5.433	981	0.39	219.1 -> 162...			Prizepam-D5	330.1 -> 276...	6.778	30798...															
Propoxyphene	340.2 -> 58.3	6/1/2018 11:44 AM	6.109	425	181.69	340.2 -> 266...			Propoxyphene-D11	351.3 -> 277...	6.128	221566															
Pseudoephedrine	166.1 -> 148...	6/1/2018 11:44 AM	4.646	727	0.50	166.1 -> 133...	260	1.41	Pseudoephedrine-D3	169.1 -> 151...	4.625	786015															
Tapentadol	222.2 -> 107...	6/1/2018 11:44 AM	5.351	135	0.47	222.2 -> 121...	1008	3.45	Tapentadol-D3	225.2 -> 107...	5.412	11318...															
Trimipramine	295.2 -> 100...	6/1/2018 11:44 AM	6.360	985	158.63	295.2 -> 58.3			Trimipramine-D3	298.2 -> 103...	6.339	39443...															
Verapamil	455.3 -> 165...	6/1/2018 11:44 AM	6.125	647	2.29	455.3 -> 150...			Trimipramine-D3	298.2 -> 103...	6.339	39443...															
Zaleplon	306.1 -> 236...	6/1/2018 11:44 AM	6.337	891	186.57	306.1 -> 264...	2613	4.92	Zaleplon-D4	310.2 -> 240...	6.011	420769															
Zopiclone	389.1 -> 244...	6/1/2018 11:44 AM	6.106	124	1.01	389.1 -> 216...			Zopiclone-D4	393.1 -> 244...	6.065	190432															
Nortriptyline	264.2 -> 91.2	6/1/2018 11:44 AM	6.324	2383	1.66	264.2 -> 233...	892	2.16	Nortriptyline-D3	267.2 -> 233...	6.263	857786															

