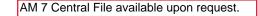
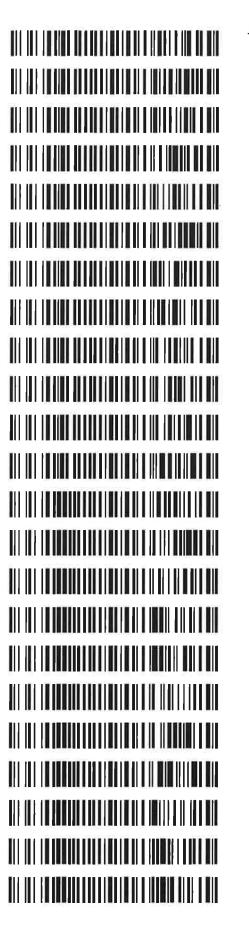
3/14/201	8
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4	
	reviewed 4/10/18 amn

<u>LAB_CASE</u> M2018-0328	<u>ITEM</u> 1	<u>TASK ID</u> 105558	DESCRIPTION AM 25 Blood Multi-Drug Screer
M2018-0448	1	106045	AM 25 Blood Multi-Drug Screer
M2018-0448	2	106049	AM 25 Blood Multi-Drug Screer
M2018-0573	1	106619	AM 25 Blood Multi-Drug Screer
M2018-0574	1	108815	AM 25 Blood Multi-Drug Screer
M2018-0675	1	107206	AM 25 Blood Multi-Drug Screer
M2018-0799	3	107734	AM 25 Blood Multi-Drug Screer
M2018-0836	1	107912	AM 25 Blood Multi-Drug Screer
M2018-0916	1	108300	AM 25 Blood Multi-Drug Screer
M2018-0916	2	108304	AM 25 Blood Multi-Drug Screer
M2018-0917	1	108308	AM 25 Blood Multi-Drug Screer
M2018-1067	1	108979	AM 25 Blood Multi-Drug Screer
P2018-0234	1	105613	AM 25 Blood Multi-Drug Screer
P2018-0328	2	106181	AM 25 Blood Multi-Drug Screer
P2018-0363	1	106469	AM 25 Blood Multi-Drug Screer
P2018-0632	1	108809	AM 25 Blood Multi-Drug Screer
P2018-0633	1	108812	AM 25 Blood Multi-Drug Screer
P2018-0636	1	108832	AM 25 Blood Multi-Drug Screer
P2018-0640	1	108839	AM 25 Blood Multi-Drug Screer
P2018-0651	1	108958	AM 25 Blood Multi-Drug Screer
P2018-0699	1	109352	AM 25 Blood Multi-Drug Screer
P2018-0725	1	109477	AM 25 Blood Multi-Drug Screer
P2018-0726	1	109483	AM 25 Blood Multi-Drug Screer



Worklist: 2254

Worklist: 2254

LAB CASE	ITEM	TASK ID	DESCRIPTION	0
P2018-0737	1	109739	AM 25 Blood Multi-Drug Screer	\square
P2018-0759	1	109870	AM 25 Blood Multi-Drug Screer] -
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Multi-Drug Screen in Blood by LC-MS/MS

Extraction Date 03/30/18

Analyst: Sarah Pickle

Plate lot#: 0515207

Plate Expiration: 10/18/18

Mobile phase A: 10mM Ammonium Formate Mobile phase B 0.1% Formic acid in MeOH 0.5M Ammonium Hydroxide Ethyl Acetate Blank Blood Lot: 361331-3 Column: Phenomenex Phenyl Hexyl (4.6x50mm: 2.6 um) LCMS-QQQ ID:59740

Pre-Analytic:

- $\sqrt{2}$ 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.
- \checkmark 3. Create worklist:

Analytic:

- 1. Remove standards, plate, controls, and samples from cold storage. Allow to reach room temperature.
- 2. Pipette 250µL blood (calibrated pipette) Pipette ID: #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** buffer in wells of analytical plate.
- 5. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- 3 6. Transfer **300μL of blood+base** mixture to corresponding wells of SLE+ plate.
- 7. Apply positive pressure for approx. 4 seconds (or until no liquid remains on top of sorbent). (Load at 85-100 PSI- Selector to the right) Manifold ID: 067104 Wait 5 minutes
- **1** 8. Add **900µL ethyl acetate** and allow to flow for 5 minutes under gravity.
- 9. Apply positive pressure for approx. 15 seconds. (10-15 PSI- Selector to the left)
- 10. Add 900μL ethyl acetate and allow to flow for 5 minutes under gravity.
- 11. Apply positive pressure for approx. 15 seconds. (10-15 PSI- Selector to the left)
- \square 12. Remove plate containing eluate. Place on SPE Dry and evaporate to dryness at approx. 35°C. SPE Dry ID 067103
- **13**. Reconstitute in **100µL 100% MeOH** and heat seal plate with foil. Place in autosampler and run worklist.

POST- ANALYTIC

- 033018 MDS SP Worklist 2254 ☑ 1. Create batch and process data. Worklist path: 033018 MDS Spworklist 2254Batch Name: 033018 MDSSP Parel 2 Worklist 2254
- ☑ 2. 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. > 1/5 the response of administrative control.
- Did all QCs pass for each analyte? Y / N
- Central File Packet to include: LIMS Worklist, Method Checklist, Calibration and Control Reports

COMMENTS

Did not evaluate: Phentermine -> low SIN + peak shape of secondary Protriptyline -> missing secondary peak



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

Analyst: Sarah Pickle Extraction Date: 3/30/18 Worklist Number: 2254

Reagent	Lot Number	Expiration Date	Date in Service	Date Out of Service	Initials
ToxBox Benzo/Opiate Screening Plate	0515207	10/18/18			
Negative Blood	361331-2		12/27/17		
Methanol External Control Solution	053117	5/31/18	5/31/17		
Blood External Control Solution	WS122717	6/27/18	12/27/17		
0.5M Ammonium Hydroxide	032918	9/29/18	3/29/18		
Formic Acid (LCMS Grade)	095180B		11/15/17		
Water (LCMS Grade)	102501		6/26/17		
Methanol (LCMS Grade)	172517		3/19/18		
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)	030818		3/8/18		
0.1% Formic Acid in LCMS Methanol (Mobile Phase B)	111517		11/15/17		
Needle Rinse75% LCMS MeOH in LCMS Water	030818		3/8/18		

Methanol External Control Solution (Lot: 053117) 100 ul of Img/mL stock was added to each drug to 9600 ul of LC MeOH.

Component	Source	Source Lot Number	Expiration Date
Methanol (LCMS)	BDH	15H250514	
Temazepam	Cerilliant	FE08191401	October 2019
Quetiapine	Cerilliant	FN02021502	February 2020
Zolpidem	Cerilliant	FE12181402	February 2020
Zopiclone	Cerilliant	FE12031501	December 2020
Prepared:	05/31/17		
Prepared By:	Celena Shrum		
Expires:	05/31/18		

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

Blood External Control Solution (Lot: 122717) 100 ul of methanol external control solution was added to 9900 ul of blood.

100 m of memanor emerian con	ar of softmony mus d	
Component	Source	Source Lot Number
Negative Blood	Hemostat	361331-3
Methanol External Control Solution		053117
Prepared:	12/27/17	
Prepared by:	Tamara Salazar	
Expires:	05/31/18	

0.5M Ammonium Hydroxide (Lot: 032918)

Component	Source	Source Lot Number
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: 030818)

Component	Source	Source Lot Number
Ammonium Formate	Arcos Organics	A0287238
LCMS Water	Fisher	102501
Prepared:	03/08/18	
Prepared By:	Tamara Salazar	

0.1% Formic Acid in LCMS Methanol (Mobile Phase B) (Lot: 111517)

Component	Source	Source Lot Number
Formic Acid	Fisher	095180B
MeOH (LCMS	BDH	172516
Grade)		
Prepared:	11/15/17	
Prepared By:	Tamara Salazar	

Needle Rinse (75% LCMS MeOH in LCMS Water)(Lot: 030818)

Component	Source	Source Lot Number
MeOH (LCMS Grade)	BDH	172516
Water (LCMS Grade)	Fisher	102501
Prepared:	3/8/18	
Prepared By:	Tamara Salazar	

	-	pi cai la		σ	Sille		-			3	Unsex nici	Allneat
Name	Transition	Acq. Date-Time	RT	Resp.	S/N	MI Transition	Area	S/N	MI Name	Transition	RT	Zdsay
6-MAM	328.2 -> 165	3/30/2018 11:42 AM	5.102	1306	11.09	328.2 -> 211.	700	3.70	6-MAM-D6	334.2 -> 165	5.081	48300
7-aminoclonazepam	286 1 -> 121	3/30/2018 11:42 AM	5.415	22240	3956.53	286.1 -> 222.		46.10	7-Aminoclonazepam-D4	290.1 -> 121	5.415	63775
Acetyl Fentanyl	323.2 -> 105	3/30/2018 11:42 AM	5.897	12386	39.12 [323.2 -> 188.	4652	17.93	Acetyl Fentanyl-D5	328.2 -> 105	5.895	11595.
Acetyl Norfentanyl	219.1 -> 84.2	3/30/2018 11:42 AM	4.873	9053	1132.69 [219.1 -> 56.3	2514	5.61	Acetyl Norfentanyl-D5	224.2 -> 84.2	4.853	462890
a-hydroxyalprazolam	325.1 -> 297	3/30/2018 11:42 AM	6.180	3774	7.56	325.1 -> 215.	1349	3.06	a-hydroxyalprazolam-D5	330.1 -> 302	6.179	21946
alpha-PVP	232.2 -> 91.0	3/30/2018 11:42 AM	5.586	86172	149.42	232.2 -> 77.1	54162	103.96	alpha-PVP-d8	240.2 -> 91.1	5.544	577855
Alprazolam	309.1 -> 281	3/30/2018 11:42 AM	6.286	70869	Infinity	309.1 -> 205.	27885	128.49	Alprazolam-D5	314.1 -> 286	6.285	300142
Amphetamine	136_1 -> 91.1	3/30/2018 11:42 AM	4.794	129522	Infinity	136.1 -> 119.	-	112.47	Amphetamine-D11	147.2 -> 130	4.754	8247
Bupropion	240.1 -> 184	3/30/2018 11:42 AM	5.767	77107	19282.59	240.1 -> 131.	86181	12130	Bupropion-D9	249.2 -> 185	5.746	172025
Carisoprodol	261.2 -> 176	3/30/2018 11:42 AM	5.969	7105	920.49	261.2 -> 55.3	27191	Infinity F	Carisoprodol-D7	268.2 -> 183	5.928	43854
Citalopram	325.2 -> 109	3/30/2018 11:42 AM	5.956	164364	24555.48	325.2 -> 262	44844	8988.29	Citalopram-D6	331.2 -> 109	5.955	579248
Clonazepam	316.1 -> 269	3/30/2018 11:42 AM	6.142	11231	90.52	316.1 -> 213.		3.05	Clonazepam-D4	320.1 -> 217	6 121	11527
Codeine	300.2 -> 215	3/30/2018 11:42 AM	5.066		33.84	300.2 -> 165.	8441	143	Codeine-D6	306.2 -> 218	5 003	4577-
Cyclobenzaprine	276.2 -> 214	3/30/2018 11:42 AM	6.272	78158	10252.43	276.2 -> 231.	28502	5324.39	Cyclobenzaprine-D3	279.2 -> 215	6.250	400153
Dextromethorphan	272.2 -> 171	3/30/2018 11:42 AM	6.028	88671	205.48	272.2 -> 147.	1005	18613 [Dextromethorphan-D3	275.2 -> 171	6.028	28405£
Dextrorphan	258.2 -> 157	3/30/2018 11:42 AM	5.379	36546	41.29	258.2 -> 133.	43542	86.86	Dextrorphan-D3	261.2 -> 157	5.399	228222
Diazepam	285.1 -> 193	3/30/2018 11:42 AM	6.512	32171	Infinity	285.1 -> 153.	49966	188.67	Diazepam-D5	290.1 -> 198	6.491	137504
Dihydrocodeine	302.2 -> 158	3/30/2018 11:42 AM	4.861	17522	73.34	302.2 -> 128.	17103	167.64	Dihydrocodeine-D6	308.2 -> 202	4.819	79756
Diphenhydramine	256.2 -> 167	3/30/2018 11:42 AM	5.949	322957	142969[[256.2 -> 152	80108	31.17	Diphenhydramine-D3	259.2 -> 167	5.929	14404.
Doxylamine	271.2 -> 182	3/30/2018 11:42 AM	5.622	127133	17046.29	271.2 -> 167.	1849	371.67	Doxylamine-D5	276.2 -> 187_	5.600	340777
EDDP	279.2 -> 235	3/30/2018 11:42 AM	5.986	286096	675.96	279.2 -> 250.	1404	25243 F	EDDP-D3	282.2 -> 235	5.986	120946
Fentanyl	337.2 -> 105	3/30/2018 11:42 AM	6.097	11758	44.78	337.2 -> 188.	7416	16.65	Fentanyl-D5	342.3 -> 105	6.077	911667
Fluoxetine	310.1 -> 44.3	3/30/2018 11:42 AM	6.184		646.26	310.1 -> 148.	7296	1842.29	Fluoxetine-D6	316.2 -> 44.3	6 162	14255.
Hydrocodone	300.2 -> 158	3/30/2018 11:42 AM	5.290	32571	19.46	300.2 -> 128.	23373	195.33	Hydrocodone-D6	306.2 -> 202	5.248	188935
Hydromorphone	286.2 -> 184	3/30/2018 11:42 AM	4.580		Infinity	286.2 -> 157.	28660	Infinity [Hydromorphone-D6	292.2 -> 185	4.539	70686
Ketamine	238.1 -> 125	3/30/2018 11:42 AM	5.687	139295	197.50	238.1 -> 220.	25275	Infinity [Ketamine-D4	242.1 -> 129	5.665	565242
Meprobamate	219.1 -> 158	3/30/2018 11:42 AM	5.464	_	27.69	219.1 -> 97.1	2125	9.11	Meprobamate-D7	226.2 -> 165	5 464	3592
Methadone	310.2 -> 265	3/30/2018 11:42 AM	6.285	251717	344.55	310.2 -> 105.	1476	Infinity [Methadone-D9	319.3 -> 268	6.263	949907
Methamphetamine	150.1 -> 91.1	3/30/2018 11:42 AM	4.976	53910	Infinity	150.1 -> 119.	15078	29.91	Methamphetamine-D11	161.2 -> 97.1	4.935	119690
Morphine	286.2 -> 201	3/30/2018 11:42 AM	4.259	6299	21.16	286.2 -> 165.		40.47	Morphine-D6	292.2 -> 152	4.198	1233(
Naloxone	328.2 -> 309	3/30/2018 11:42 AM	5.429	18775	1886.28	328.2 -> 211.	3907	738.93	Naloxone-D5	333.2 -> 315	5.367	35884
Naltrexol	344.2 -> 326	3/30/2018 11:42 AM	4.978		591.52	344.2 -> 308.	24498	4909.05	Naltrexol-D3	347.2 -> 329	4.978	186152
Naltrexone	342.2 -> 324	3/30/2018 11:42 AM	5.162	23854	Infinity	342.2 -> 55.3	27953		Naltrexone-D3	345.2 -> 327	5 120	227815
Norbuprenorphine	414.3 -> 101	3/30/2018 11:42 AM	5.749		8.61	414.3 -> 57.3	_	12.79	Norbuorenorphine-D3	417.3 -> 101	5.790	2767
Nordiazepam	271.1 -> 140	3/30/2018 11:42 AM	6.354	_	3632.28	271.1 -> 208.		15.11 F	Nordiszepam-D5	276.1 -> 140	6.353	44525
Norfentanyl	233.2 -> 84.2	3/30/2018 11:42 AM	5.320	9	29862.10	233.2 -> 55.3	ŝ	Infinity [Norfentanyl-D5	238.2 -> 84.2	5.299	72060*
Norhydrocodone	286.2 -> 159	3/30/2018 11:42 AM	4.965		8.12	286.2 -> 171	1424	7.48	Norhydrocodone-D3	289.2 -> 202	4.944	48987
Noroxycodone	302.1 -> 284	3/30/2018 11:42 AM	4.882	7542	8.16	302.1 -> 186.	7763	6.60	Noroxycodone-D3	305.2 -> 287_	4.881	8591C
O-desmethyl-tramadol	250.2 -> 58.3	3/30/2018 11:42 AM	4 910	266449	109.41	250.2 -> 42.3	5816	44.06	O-desmethyl-tramadol	256.2 -> 64.3	4.890	753655
Oxazepam	287.1 -> 240	3/30/2018 11:42 AM	6.208	4369	7.37	287.1 -> 268.	3498	418.25	Oxazepam-D5	292.1 -> 246	6.187	28835
Oxycodone	316.2 -> 298	3/30/2018 11:42 AM	5.043	91837	Infinity	316.2 -> 241	17496	3572.46	Oxycadane-D6	322.2 -> 304	5.022	192925
Oxymorphone	302.1 -> 284	3/30/2018 11:42 AM	4.256	71896	Infinity	302.1 -> 227.	8122	Infinity	Oxymorphone-D3	305.2 -> 287	4.194	344017
Phentermine	150.1 -> 65.2	3/30/2018 11:42 AM	5,118	22717	Infinity	150.1 -> 133	906	2.69	Phentermine-D5	155.2 -> 96.2	5.098	254735
Promethazine	285.1 -> 86.2	3/30/2018 11:42 AM	6.290	313399	71928.99	285.1 -> 71.3	63250	124.36	Promethazine-D3	288.2 -> 89.2	6.268	12107.
Quetiapine	384.2 -> 253	3/30/2018 11:42 AM	6.399		Infinity	384.2 -> 221	1076	50.70 F	Cuetiapine-D8	392.2 -> 226	6.358	25439
Sertraline	306.1 -> 158	-	6.469		80.40 F	306.1 -> 275	50475	6837.42	Sertraline-D3	309.1 -> 275	6.468	357867
Sufentanil	387.2 -> 238	3/30/2018 11:42 AM	6.439		5849.65	387.2 -> 111	11797	35.13	Sufentanil-D5	392.2 -> 238	6.439	472678
Temazepam	301.1 -> 255	301.1 -> 255 3/30/2018 11:42 AM	6.328	39930	303.32	301.1 -> 283.	14764	Infinity	Temazepam-D5	306.1 -> 260	6.328	242060

Compound Method	vietnog	pi cai ia		p I cai ta t	Results	-	Wuanner I M Quantier I Mesuits	UUUUIIIe	I Hesui	2	IN INIETROD		กเง	SIN KESUS
Name	Transition	Acq. Date-Time	RT	Resp.	S/N	ĨŴ	Transition	Area	S/N MI	ž	Name	Transition	RT	Resp.
Tramadol	264.2 -> 58.3	264.2 -> 58.3 3/30/2018 11:42 AM	5.419	336091	Infinity		Infinity 264.2 -> 43.3	4840	919.46	L	919.46 Tramadol-13C-D3	268.2 -> 58.3 5.419	5.419	13742
Trazodone	372.2 -> 176	372.2 -> 176 3/30/2018 11:42 AM	6.562	283808	55.05	m	372.2 -> 148	3114	32994	L	32994 Trazodone-D6	378.2 -> 182	6.521	826417
Venlafaxine	278.2 -> 58.3	278.2 -> 58.3 3/30/2018 11:42 AM	5.742	302372		1	Infinity 7 278.2 -> 260		44.96	L	44.96 7 Venlafaxine-D6	284.2 -> 64.3	5.721	718094
Zolpidem	308.2 -> 235	308.2 -> 235 3/30/2018 11:42 AM	6.165	251238	80.62	(1) 	80.62 308.2 -> 263	92265	12911	L	12911 7 Zolpidem-D6	314.2 -> 235 6.163	6.163	

Did not evaluate Phentermine

Name	Transition	Acq. Date-Time	RT	Resp	S/N	ĪW	Transition	Area	S/N MI	16	Name	Transition	ĥ	Resp
6-MAM	328.2 -> 165	3/30/2018 12-01 PM					328 2 -> 211				E MAM DE	324.7 - 166	100 1	52070
7-aminoclonazenam	۱ ۲	3/30/2018 12-01 PM							-		7 Aminoconologian 74	1/	0.00	+L3Y3
	272 0 × 10F	M 10.21 0102/00/0	5.01	101	0.00				-	Y -		730 1 -2 171	0 4 10	040/
	"COI ~- 7.020		12.0	124	0.00	1	<u>^</u>			Acet	Acetyl Fentanyl-U5	328,2 -> 105	C/8.C	11429
Acetyl Nortentanyl	219.1 -> 84.2	3/30/2018 12:01 PM					<u>^</u>			Acet	Acetyl Norfentanyl-D5		4.853	441570
a-hydroxyalprazolam	325.1 -> 297	3/30/2018 12:01 PM	6 382	331	69 0	m L	325.1 -> 215			a-hy	a-hydroxyalprazolam-D5	330.1 -> 302	6.179	28617
alpha-PVP	232.2 -> 91.0	3/30/2018 12:01 PM	5.586	287	3.19		232.2 -> 77.1		72	alphi	alpha-PVP-d8	240.2 -> 91.1	5.544	541474
Alprazolam	309.1 -> 281	3/30/2018 12:01 PM	6.103	1729	1.36	е Г	309.1 -> 205	294	2 10 1	- Alpra	Alprazolam-D5	314.1 -> 286	6.264	297003
Amphetamine	136.1 -> 91.1	3/30/2018 12:01 PM	4,815	4709	1.09	Ē	136.1 -> 119	310 0	58	Amp	Amphetamine-D11	147.2 -> 130	4.774	8221
Bupropion	240.1 -> 184	3/30/2018 12:01 PM				2	240.1 -> 131		-	Bupr	Bupropion-D9	249.2 -> 185	5.746	181006
Carisoprodol	261.2 -> 176	3/30/2018 12:01 PM					261.2 -> 55.3	2	1	Caris	Carisoprodol-D7	Ą	5.908	47512
Citalopram	325.2 -> 109	3/30/2018 12:01 PM	5.936	244	0.72	m L	325.2 -> 262			Cital	Citalopram-D6	^	5.955	587748
Clonazepam	316.1 -> 269	3/30/2018 12:01 PM	6 304	49	0.50	с С	<u>^</u>		ľ	Clon	Clonazepam-D4	320.1 -> 217	6 121	9126
Codeine	300.2 -> 215	3/30/2018 12:01 PM				m L				Code	Codeine-D6	1	5 023	45270
Cyclobenzaprine	276.2 -> 214	3/30/2018 12:01 PM					11			Cvcl	Cvclobenzaprine-D3	Ą	6.250	380755
Dextromethorphan	272.2 -> 171	3/30/2018 12:01 PM	6.028	619	1.57		1			Dext	Dextromethorphan-D3	275.2 -> 171	6 008	273869
Dextrorphan	258.2 -> 157	3/30/2018 12:01 PM	5.400	262	0.72		1	64 0	59	Dext	Dextrorphan-D3	261.2 -> 157	5 399	222536
Diazepam	285.1 -> 193	3/30/2018 12:01 PM	6.330	780	5.51		285.1 -> 153	69	0.26	Diaz	Diazepam-D5	290.1 -> 198	6.491	83764
Dihydrocodeine	302.2 -> 198	3/30/2018 12:01 PM	4.922	206	3.24	m L	302.2 -> 128	47 0	0.62	Dihy	Dihydrocodeine-D6	308.2 -> 202	4.840	76836
Diphenhydramine	256.2 -> 167	3/30/2018 12:01 PM	5.929	664	1 46		256.2 -> 152	203 0	0.34	Diph	Diphenhydramine-D3	259.2 -> 167	5.929	13977
Doxylamine	271.2 -> 182	3/30/2018 12:01 PM	5.622	894	3.72	2	271.2 -> 167		-	Dox	Doxylamine-D5	276.2 -> 187	5,600	334523
EDDP	279.2 -> 235	3/30/2018 12:01 PM	6.046	399	0.85	2	279.2 -> 250	89	1.01	EDD	EDDP-D3	282.2 -> 235	5.986	125302
Fentanyl	337.2 -> 105	3/30/2018 12:01 PM	6.158	72	0.50	m L	337.2 -> 188		-	Fent	Fentanyl-D5	342.3 -> 105	6,077	893004
Fluoxetine	310.1 -> 44.3	3/30/2018 12:01 PM	6.184	1172	0 46	m L	$ \uparrow $	52	2.27	Fluo	Fluoxetine-D6	316.2 -> 44.3	6.162	13690
Hydrocodone	300.2 -> 198	3/30/2018 12:01 PM				m L	300.2 -> 128		-	Hydr	Hydrocodone-D6	306.2 -> 202	5.248	195619
Hydromorphone	286.2 -> 184	3/30/2018 12:01 PM					286.2 -> 157			Hydr	Hydromorphone-D6	292.2 -> 185	4,559	58496
Ketamine	238.1 -> 125	3/30/2018 12:01 PM	5.747	1382	3.11		4	305 0	0.44	Keta	Ketamine-D4	242.1 -> 129	5,665	533335
Meprobamate	219.1 -> 158	3/30/2018 12:01 PM					219.1 -> 97.1		-	Mepi	Meprobamate-D7	226.2 -> 165	5,464	3379
Methadone	310.2 -> 265	3/30/2018 12:01 PM				m L	310.2 -> 105			Meth	Methadone-D9	319.3 -> 268	6.263	891930
Methamphetamine	150.1 -> 91.1	3/30/2018 12:01 PM	5.016	10638	Infinity		150,1 -> 119			Meth	Methamphetamine-D11	161.2 -> 97.1	4.935	138978
Morphine	286.2 -> 201	3/30/2018 12:01 PM	4.219	133	7.07		286.2 -> 165		<u> </u>	Morp	Morphine-D6	292.2 -> 152	4.218	13249
Naloxone	328.2 -> 309	3/30/2018 12:01 PM	5 286	157	0.98	m L	328.2 -> 211		_	Nalo	Naloxone-D5	333.2 -> 315	5,387	32376
Naltrexol	344.2 -> 326	3/30/2018 12:01 PM	5 141	6592	15.88	m L	344.2 -> 308		-	Naltr	Naltrexol-D3	347.2 -> 329	4,978	174955
Naltrexone	342.2 -> 324	3/30/2018 12:01 PM	5.019	100	49.94	m L	342.2 -> 55.3	88	0.50	Naltr	Naltrexone-D3	345.2 -> 327	5.140	229228
Norbuprenorphine	414.3 -> 101	3/30/2018 12:01 PM			-	4	414.3 -> 57.3	_		Norb	Norbuprenorphine-D3	417.3 -> 101	5,770	378-
Nordiazepam	271.1 -> 140	3/30/2018 12:01 PM	6.374	30	10.36		271.1 -> 208	786 1		Nord	Nordiazepam-D5	276.1 -> 140	6,353	80593
Norfentanyl	233.2 -> 84.2	3/30/2018 12:01 PM	5.299	267	2.16		233.2 -> 55.3	2965 9.	.92 F	Norfe	Norfentanyl-D5	238.2 -> 84.2	5,299	690835
Norhydrocodone	286.2 -> 199	3/30/2018 12:01 PM	5 128	314	80.82		286.2 -> 171			Norh	Norhydrocodone-D3	289.2 -> 202	4.965	49223
Noroxycodone	302.1 -> 284	3/30/2018 12:01 PM	4.902	134	1.54	m L	302.1 -> 186		-	Noro	Noroxycodone-D3	305.2 -> 287	4.881	85923
O-desmethyl-tramadol	250.2 -> 58.3	3/30/2018 12:01 PM	4.890	3765	Infinity		250,2 -> 42.3			O-de	O-desmethyl-tramadol	256,2 -> 64,3	4,890	733737
Oxazepam	287.1 -> 240	3/30/2018 12:01 PM	6.167	177	2 05	2	287.1 -> 268		-	Vxaz	Oxazepam-D5	292 1 -> 246	6.187	32637
Oxycodone	316.2 -> 298	3/30/2018 12:01 PM				۳ ۲	316.2 -> 241		-	Oxyo	Oxycodone-D6	322.2 -> 304	5,022	176617
Oxymorphone	302 1 -> 284	3/30/2018 12:01 PM	4.175	43	0.36	m L	302 1 -> 227		-	Oxyr	Oxymorphone-D3	305.2 -> 287	4.234	350754
Phentermine	150.1 -> 65.2	3/30/2018 12:01 PM	5.118	1399	Infinity	Ē	150.1 -> 133		-	- Pher	Phentermine-D5	155.2 -> 96.2	5.118	249836
Promethazine	285.1 -> 86.2	3/30/2018 12:01 PM					285.1 -> 71.3		<u>_</u>	Pron	Promethazine-D3	288.2 -> 89.2	6.268	11486
Quetiapine	384.2 -> 253	3/30/2018 12:01 PM	6.420	401	124.21	m L	384.2 -> 221	28 0	0.30	- Quet	Quetiapine-D8	392.2 -> 226	6.358	258188
Sertraline	306.1 -> 158	3/30/2018 12:01 PM				m L	306.1 -> 275		1	Sertr	Sertraline-D3	309.1 -> 275	6.448	233472
Sufentanil	387.2 -> 238	3/30/2018 12:01 PM	6.460	381	131.78	m L	387.2 -> 111	442	1.75	Sufe	Sufentanil-D5	392.2 -> 238	6 4 1 Q	381495
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	Trancition	p i external control		P I EXTERNAL CONTROL MESUITS		5		Cuality	Inits					sinse
	2			depti		-		אממ	NÌÒ		Name		Ē	Hasp.
6-MAM	328.2 -> 165	3/30/2018 12:21 PM	4 980	278	7.37	328.	8.2 -> 211				6-MAM-D6	334.2 -> 165	5.081	48708
7-aminoclonazepam	286.1 -> 121	3/30/2018 12:21 PM			H	286.1	5.1 -> 222				7-Aminoclonazepam-D4	290.1 -> 121	5,415	71080
Acetyl Fentanyl	323.2 -> 105	3/30/2018 12:21 PM	6 059	220	0.46	323.2	3.2 -> 188				Acetyl Fentanyl-D5	328.2 -> 105	5 895	11300
Acetyl Norfentanyl	219.1 -> 84.2	3/30/2018 12:21 PM				219.1	0.1 -> 56.3				Acetyl Norfentanyl-D5	224.2 -> 84.2	4.853	433905
a-hydroxyalprazolam	325.1 -> 297	3/30/2018 12:21 PM	6.220	348	100.46	325.1	5.1 -> 215				a-hydroxyalprazolam-D5	330.1 -> 302	6.179	125465
alpha-PVP	232.2 -> 91.0	3/30/2018 12:21 PM				232	232.2 -> 77.1				alpha-PVP-d8	240.2 -> 91.1	5.544	564163
Alprazolam	309.1 -> 281	3/30/2018 12:21 PM	6.123	6661	1795.94	309.1	9.1 -> 205	1348	534.93		Alprazolam-D5	314.1 -> 286	6.264	302150
Amphetamine	136.1 -> 91.1	3/30/2018 12:21 PM	4 794	28039	Infinity	136.1	3.1 -> 119	153	0.50		Amphetamine-D11	147.2 -> 130_	4.754	10583
Bupropion	240.1 -> 184	3/30/2018 12:21 PM	5.808	34	0 24	240.1	0.1 -> 131				Bupropion-D9	249.2 -> 185	5.746	183506
Carisoprodol	261.2 -> 176	3/30/2018 12:21 PM				261.2	.2 -> 55.3			L	Carisoprodol-D7	4	5.908	47281
Citalopram	325.2 -> 109	3/30/2018 12:21 PM				325.2	^				Citalopram-D6	1	5.955	572907
Clonazepam	316.1 -> 269	3/30/2018 12:21 PM	6 284	537	247	316.1	3 1 -> 213			L	Clonazepam-D4	320.1 -> 217	6.121	20107
Codeine	300.2 -> 215	3/30/2018 12:21 PM			-	300.2	1				Codeine-D6	1	5.023	45540
Cyclobenzaprine	276.2 -> 214	3/30/2018 12:21 PM	6.292	46	0.50	276.2	5.2 -> 231	222	0.54	L	Cvclobenzaprine-D3	279.2 -> 215	6.250	342278
Dextromethorphan	272.2 -> 171	3/30/2018 12:21 PM	6.049	133	1 16	272.2	^	144	0.51	L	Dextromethorphan-D3		6.028	268328
Dextrorphan	258.2 -> 157	3/30/2018 12:21 PM	5.359	923	155.91	258.2	3.2 -> 133	55	53.75	L	Dextrorphan-D3	^	5.399	218621
Diazepam	285.1 -> 193	3/30/2018 12:21 PM	6 350	173	0 38	285.1	5 1 -> 153	2042	0.86	1	Diazepam-D5	1	6.491	140941
Dihydrocodeine	302.2 -> 198	3/30/2018 12:21 PM				302.2	2.2 -> 128				Dihydrocodeine-D6	^	4.840	75332
Diphenhydramine	256.2 -> 167	3/30/2018 12:21 PM	5.909	824	1.18	256.2	3.2 -> 152	135	8.91		Diphenhydramine-D3	259.2 -> 167	5.929	13986
Doxylamine	271.2 -> 182	3/30/2018 12:21 PM	5.642	118	0.51	271.2	.2 -> 167				Doxylamine-D5	276.2 -> 187	5.600	330650
EDDP	279.2 -> 235	3/30/2018 12:21 PM	5.864	113	0.55	279.2).2 -> 250				EDDP-D3	^	5.986	117707
Fentanyl	337.2 -> 105	3/30/2018 12:21 PM	6.117	31	0 73	337.2	7.2 -> 188				Fentanyl-D5		6.077	873659
Fluoxetine	310.1 -> 44.3	3/30/2018 12:21 PM	6.041	746	0.55	310.1	1 -> 148				Fluoxetine-D6	316.2 -> 44.3	6.162	11885
Hydrocodone	300.2 -> 198	3/30/2018 12:21 PM		Ĩ	-	300.2	.2 -> 128				Hydrocodone-D6	306.2 -> 202	5.248	181227
Hydromorphone	286.2 -> 184	3/30/2018 12:21 PM		- F	-	286.2	3.2 -> 157				Hydromorphone-D6	292.2 -> 185	4.539	69419
Ketamine	238.1 -> 125	3/30/2018 12:21 PM	5.605	273	3.16	238.1	3.1 -> 220				Ketamine-D4	242.1 -> 129	5.665	584322
Meprobamate	219.1 -> 158	3/30/2018 12:21 PM			1	219.1	0.1 -> 97.1				Meprobamate-D7	226.2 -> 165	5.464	4617
Methadone	310.2 -> 265	3/30/2018 12:21 PM	6.163	5324	6.52	310.2	0.2 -> 105				Methadone-D9	319.3 -> 268	6.263	813040
Methamphetamine	150.1 -> 91.1	3/30/2018 12:21 PM			-	150.1	1 -> 119		-		Methamphetamine-D11	161.2 -> 97.1	4.935	169456
Morphine	286.2 -> 201	3/30/2018 12:21 PM			=	286.2	3.2 -> 165				Morphine-D6	292.2 -> 152	4.198	11522
Naloxone	328.2 -> 309	3/30/2018 12:21 PM			=	328.2	3.2 -> 211				Naloxone-D5	333.2 -> 315	5.387	31558
Naltrexol	344.2 -> 326	3/30/2018 12:21 PM	5 141	5578	165.22	344.2	41				Naltrexol-D3	347.2 -> 329	4.978	175877
Naltrexone	342.2 -> 324		1			342	4				Naltrexone-D3	345.2 -> 327	5.120	231742
Norbuprenorphine	414.3 -> 101					414.3	4				Norbuprenorphine-D3	417.3 -> 101	5.770	4415
Nordiazepam	271.1 -> 140	3/30/2018 12:21 PM	6.455	57	3 03	271.1	.1 -> 208	1420	23.91		Nordiazepam-D5	276.1 -> 140	6.353	133249
Norfentanyl	233.2 -> 84.2	-			=	233	233.2 -> 55.3				Norfentanyl-D5	238.2 -> 84.2	5.299	718386
Norhydrocodone	286.2 -> 199	-			-	286.2	^				Norhydrocodone-D3	289.2 -> 202	4.965	48476
Noroxycodone	302.1 -> 284	3/30/2018 12:21 PM	4.882	93	37.44	302.1	2.1 -> 186			Ĺ	Noroxycodone-D3	305.2 -> 287	4.881	80473
O-desmethyl-tramadol	250.2 -> 58.3	3/30/2018 12:21 PM	5 012	3836	1.72	250.2	0.2 -> 42.3	96	5.78		O-desmethyl-tramadol	256.2 -> 64.3	4.890	757365
Oxazepam	287.1 -> 240	3/30/2018 12:21 PM	6 350	50	0.72	287.1	7_1 -> 268	336	0.40	Ľ	Oxazepam-D5	292.1 -> 246	6.187	226403
Oxycodone	316.2 -> 298	3/30/2018 12:21 PM	5 144	326	0 70	316.2	5.2 -> 241	166	1 83	Ľ	Oxycodone-D6	322.2 -> 304	5.022	192611
Oxymorphone	302.1 -> 284	3/30/2018 12:21 PM	4 356	160	0 62	302	2.1 -> 227				Oxymorphone-D3	305.2 -> 287	4.214	344183
Phentermine	150.1 -> 65.2	3/30/2018 12:21 PM			=	150.1	0.1 -> 133				Phentermine-D5	155.2 -> 96.2	5.118	267976
Promethazine	285.1 -> 86.2	3/30/2018 12:21 PM	6.290	73	0 59	285.1	5.1-> 71.3	171	86 0		Promethazine-D3	288.2 -> 89.2	6.268	894996
Quetiapine	384.2 -> 253	3/30/2018 12:21 PM	6.399	25121	3193.58 [384.2	t.2 -> 221	11601	454769		Quetiapine-D8	392.2 -> 226	6.358	252053
Sertraline	306.1 -> 158	3/30/2018 12:21 PM			-	306.1	3.1 -> 275				Sertraline-D3	309.1 -> 275	6.468	347393
Sufentanil	387.2 -> 238	-	6.439		116.57	_ 387.	7.2 -> 111	1376	10.92		Sufentanil-D5	392.2 -> 238	6.439	426947
Temazepam	301.1 -> 255	3/30/2018 12:21 PM	6.328	13625	Infinity	301.1	1.1 -> 283	489801	Infinity		Temazepam-D5	306.1 -> 260	6.328	777433

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Name	Transition	Acq. Date-Time	RT	RT Resp.	S/N N	S/N MI Transition	Area	S/N	ž	Name	Transition	RT	Resp.
Tramadol	264.2 -> 58.3	264.2 -> 58.3 3/30/2018 12:21 PM 5.419	5.419	10109	2799.95	2799.95 7 264.2 -> 43.3	74	0.48	L	0.48 T Tramadol-13C-D3	268.2 -> 58.3 5.419 13370	5.419	13370
Trazodone	372.2 -> 176	372.2 -> 176 3/30/2018 12:21 PM 6.562	6.562	66	2.16	2 16 $\lceil 372.2 -> 148$	1755		L	3 24 T Trazodone-D6	378.2 -> 182 6.521	6.521	823680
Venlafaxine	278.2 -> 58.3	278.2 -> 58.3 3/30/2018 12:21 PM 5.762	5.762	367	1 09 1	1 09 7 278.2 -> 260	600	2.82	L	2.82 Venlafaxine-D6	284.2 -> 64.3 5.721	5.721	
Zolpidem	308.2 -> 235	308.2 -> 235 3/30/2018 12:21 PM 6.165	6.165	21384	4701.11	4701.11 7 308.2 -> 263	805564		L	5132.21 Zolpidem-D6	314.2 -> 235 6.143	6.143	

Name	Transition	Acq. Date-Time	RT	Resp.	S/N MI	I Transition	Area	S/N MI	Name	Transition	RT	Resp
7-aminoflunitrazepam	A	3/30/2018 11:52 A	5.547	69020	115.29	284.1 -> 93.2	5976	79.89	7-aminoflunitrazepam	291.2 -> 138	5.546	504234
alpha-hydroxymidazolam	342.1 -> 324	3/30/2018 11:52 A	6.251	51748	59.50	342 1 -> 203	21830	88.43	alpha-hydroxymidazola	346.1 -> 328	6.231	237420
Amitriptyline	278.2 -> 91.2	3/30/2018 11:52 A	6.322	231397	Infinity	278.2 -> 105	84719	Infinity	Amitriptyline-D3	281.2 -> 91.2	6.321	559553
Amoxapine	314.1 -> 271	3/30/2018 11:52 A	6.316	49735	93.48	314.1 -> 193	32637	89.11	Amitriptyline-D3	281.2 -> 91.2	6.321	559553
Benzoylecgonine	290.1 -> 168	3/30/2018 11:52 A	5.179	18015	205.92	290.1 -> 105	6303	192.43	Benzoylecgonine-D8	298.2 -> 171	5.178	6069
Carbamazepine	237.1 -> 193	3/30/2018 11:52 A	5.922	35005	76.57	237.1 -> 194	1808	131.03	Carbamazepine-13C6	243.1 -> 200	5.921	10263
Chlordiazepoxide	300.1 -> 227	3/30/2018 11:52 A	6.379	16380	67.61	300.1 -> 282	22913	Infinity	Chlordiazepoxide-D5	305.1 -> 286	6.358	380037
Clomipramine	315.2 -> 86.2	3/30/2018 11:52 A	6.599	327809	Infinity	315.2 -> 58.3	1930	295.01	Clomipramine-D3	318.2 -> 89.2	6.578	10815
Cocaine	304.2 -> 182	3/30/2018 11:52 A	5.544	129334	63.95	304.2 -> 105	20154	122.41	Cocaine-D3	307.2 -> 185	5 543	509859
Desipramine	267.2 -> 72.3	3/30/2018 11:52	6.243	306807	Infinity	267.2 -> 44.3	1345	173.08	Desipramine-D3	270 2 -> 75 3	6 243	833994
Doxepin	280.2 -> 107	3/30/2018 11:52 A	6.058	65111	364.46	280.2 -> 77.2	34732	25.56	Doxepin-D3	283.2 -> 107	6.057	188604
Estazolam	295.1 -> 267	3/30/2018 11:52 A	6.178	58017	129.63	295.1 -> 205	30230	164.16	Estazolam-D5	300 1 -> 272	6 177	388154
Flunitrazepam	314.1 -> 268	3/30/2018 11:52	6.214	69969	228.02	314.1 -> 239	13784	50.04	Flunitrazepam-D7	1 1	6.214	21683
Flurazepam	388.2 -> 315	3/30/2018 11:52 A.	6.128	162784	808.41	388.2 -> 317	23407	4738.00	Zopiclone-D4	393.1 -> 244	6.107	68168
Imipramine	281.2 -> 86.2	3/30/2018 11:52 A	6.281	339105	207.85	281.2 -> 58.3	1925	111.57	Imipramine-D3	284.2 -> 61.3	6.280	13723
Levamisole	205.1 -> 91.2	3/30/2018 11:52 A	5.151	53029	782.66	205 1 -> 178	60338	3.10	Cocaine-D3	307.2 -> 185	5.543	509859
Maprotiline	278.2 -> 91.2	3/30/2018 11:52 A	5.957	191617	40.84	278.2 -> 117	1658	3.58	Meperidine-D4	252.2 -> 224	5.574	94203
MDA	180.1 -> 163.	3/30/2018 11:52 A	4.949	30371	16.12	180.1 -> 105	15813	316.11	MDA-D5	185.1 -> 168	4.928	66722
MDEA	208 1 -> 163	3/30/2018 11:52 A	5.231	144674	671.04	208 1 -> 105	61822	27256	MDEA-D6	214.2 -> 166	5.211	492617
MDMA	194.1 -> 163	3/30/2018 11:52 A	5.070	76049	67.25	194.1 -> 105	37933	31.81	MDMA-D6	200.2 -> 166	5.050	18209
Meperidine	248.2 -> 220		5.575	50399	4194.95	248.2 -> 174	43448	208.76	Meperidine-D4	252.2 -> 224	5.574	94203
Methylphenidate	234.2 -> 84.2	3/30/2018 11:52 A		310784	1013.18	234.2 -> 56.3	53057	553.64	Meperidine-D4	252.2 -> 224	5.574	94203
Metoprolol	268.2 -> 116		5.407	22441	71.79	268.2 -> 56.3	29238	37.90	Meperidine-D4	252.2 -> 224	5.574	94203
Midazolam	326.1 -> 223	-	6.415	22486	74.89	326.1 -> 249	21095	132.71	Midazolam-D4	330.1 -> 295	6.394	387288
Mirtazapine	266.2 -> 195	3/30/2018	6.019	161634	421.54	266.2 -> 72.3		320.41	Midazolam-D4	330.1 -> 295	6.394	387288
Mitragynine	399.2 -> 174	3/30/2018 11:52 A	6.126	69400	257.81	399.2 -> 238	17719	3670.30	Carbamazepine-13C6	243.1 -> 200	5.921	10263.
Normeperidine	234.1 -> 42.3	3/30/2018 11:52 A	5.536	59279	423.09	234.1 -> 160	25184	90.32	Normeperidine-D4	238.2 -> 164	5.535	403271
Norpropoxyphene	326.2 -> 44.3	3/30/2018 11:52 A	6.110	19859	56.95	326.2 -> 252	6387	1177.48	Norpropoxyphene-D5	331.2 -> 44.3	6.110	81501
Nortriptyline	264.2 -> 91.2		6.284	109472	Infinity 🔽	264.2 -> 233	67977	Infinity 🔽	Nortriptyline-D3	267.2 -> 233	6.283	395014
Ondansetron	294.2 -> 184	-	5.790	90936	132.41	294.2 -> 212	13551	20.05	Pentazocine-13C3	289.2 -> 72.3	5.588	652814
Pentazocine	286.2 -> 218	_	5.608	100886	504.69	286.2 -> 41 3	53003	127.45	Pentazocine-13C3	289.2 -> 72.3	5.588	652814
Phenazepam	349.0 -> 206	-	6.291	10876	84.45	349.0 -> 183	12384	112.31	Phenazepam-D4	353.0 -> 183	6.290	5189
Phencyclidine	244.2 -> 86.2	3/30/2018 11:52 A	5.839	83637	340.73	244.2 -> 91.1	1008	117.38	Phencydlidine-D5	249.2 -> 86.2	5.818	620737
Phenytoin	253.1 -> 104	3/30/2018 11:52 A	5.838	2520	6.40	253.1 -> 182	1310	563.15	Phenytoin-D10	263.2 -> 192	5 797	8216
Prazepam	325.1 -> 271	3/30/2018 11:52 A	6.760	229761	1067.30	325.1 -> 140	77340	124.61	Prazepam-D5	330.1 -> 276	6.758	11795
Primidone	219.1 -> 91.2	3/30/2018 11:52 A	5.230	7301	8.77	219.1 -> 162	5457	12 14	Prazepam-D5	330.1 -> 276	6.758	11795
Propoxyphene	340.2 -> 58.3	3/30/2018 11:52 A	6.170	228298	197.55	340.2 -> 266	32698	130.03	Propoxyphene-D11	351.3 -> 277	6.149	100351
Protriptyline	264.2 -> 155	3/30/2018 11:52 A.	6.183	10154.1	(Infinity)	264.2 -> 161.			Nortriptyline-D3	267.2 -> 233.	6.283	395014
Pseudoephedrine	166.1 -> 148	3/30/2018 11:52 A	4.566	11974	Infinity [166.1 -> 133.	2559	43.09	Pseudoephedrine-D3	169.1 -> 151	4.545	324306
Tapentadol	222.2 -> 107	3/30/2018 11:52 A	5.393	119383	267.16	222.2 -> 121	60893	94.55	Tapentadol-D3	225.2 -> 107_	5.393	538255
Trimipramine	295.2 -> 100	3/30/2018 11:52 A	6.380	348393	846.21	295.2 -> 58.3	2206	50501	Trimipramine-D3	298.2 -> 103	6.380	18180
Verapamil	455.3 -> 165	3/30/2018	6.146	271580	1026.90	455.3 -> 150	80698	338.96	Trimipramine-D3	298.2 -> 103	6.380	18180
Zaleplon	306.1 -> 236		-	59070	387.74	306.1 -> 264	74561	418.42	Zaleplon-D4	310.2 -> 240	6.012	139784
Toniolono	2001 - 244	V C3.11 0100/00/0	1010					1				

Did not evaluate Protriptyline

Name	Transition	Acq. Date-Time	RT	Resp.	S/N MI	Transition	Area	S/N MI	II Name	Transition	RT	Resp.
7-aminoflunitrazepam	284.1 -> 135	3/30/2018 12:11 PM	5 731	2070	7.68	284.1 -> 93.2	37	29.54 [7-aminoflunitrazepam-D7	291.2 -> 138	5.567	495955
alpha-hydroxymidazolam	342.1 -> 324	3/30/2018 12:11 PM	6.251	235	0 55	342.1 -> 203.	84	0.93	alpha-hydroxymidazolam-	1	6.251	270212
Amitriptyline	278.2 -> 91.2		6.444	2026	0 92	278.2 -> 105	594	0 33	Amitriptyline-D3	^	6.341	528101
Amoxapine	314.1 -> 271	3/30/2018 12:11 PM	6.255	439	4.73	314.1 -> 193.	539	25.57	Amitriptyline-D3	281.2 -> 91.2	6.341	528101
Benzoylecgonine	290.1 -> 168	-	5.200	236	1.36	290.1 -> 105	649	6.07	Benzovlecgonine-D8	298.2 -> 171	5.199	6459
Carbamazepine	237.1 -> 193	_	6 044	659	2 43 🔽	237.1 -> 194			Carbamazepine-13C6	243.1 -> 200	5.942	10198
Chlordiazepoxide	300.1 -> 227	-	6 197	756	203.52	300.1 -> 282.		1	Chlorciazepoxide-D5	305.1 -> 286	6.379	571218
Clomipramine	315.2 -> 86.2		6 781	68	0.55	315.2 -> 58.3		-	Clomipramine-D3	318.2 -> 89.2	6.599	660056
Cocaine	304.2 -> 182	3/30/2018 12:11 PM	5.626	414	037	304.2 -> 105	72	0.68	Cocaine-D3	307.2 -> 185	5.564	456531
Desipramine	267.2 -> 72.3	-	6.283	2319	15.95	267 2 -> 44 3	354.	7.54	Desipramine-D3	270.2 -> 75.3	6.263	801181
Doxepin	280.2 -> 107	3/30/2018 12:11 PM	6.038	214	1 25	280.2 -> 77.2	662	0.25	Doxepin-D3	283.2 -> 107	6.078	196351
Estazolam	295.1 -> 267		6.260	119	1.25	295.1 -> 205			Estazolam-D5	300.1 -> 272	6.197	420839
Flunitrazepam	314.1 -> 268	_	6.255	598	2 35 🦵	314.1 -> 239	121	2.84	Flunitrazepam-D7	321.1 -> 245	6.214	25155
Flurazepam	388.2 -> 315		6 391	69	0.85	388.2 -> 317			Zopiclone-D4	393 1 -> 244	6.127	65712
Imipramine	281.2 -> 86.2	3/30/2018 12:11 PM	6.362	2440	9.59	281.2 -> 58.3	140	1.47	Imipramine-D3	284.2 -> 61.3	6.300	1304C
Levamisole	205.1 -> 91.2	3/30/2018 12:11 PM	5.151	413	0.79	205.1 -> 178	245	1,79	Cocaine-D3	307.2 -> 185	5.564	456531
Maprotiline	278.2 -> 91.2	3/30/2018 12:11 PM	5.957	564	0 93	278.2 -> 117		1	Meperidine-D4	252.2 -> 224	5.594	78350
MDA	180.1 -> 163	3/30/2018 12:11 PM	5 071	317	0.64	180,1 -> 105			MDA-D5	185.1 -> 168	4.949	63954
MDEA	208.1 -> 163.	3/30/2018 12:11 PM	5 394	493	0.67	208.1 -> 105			MDEA-D6	214.2 -> 166	5.231	478304
MDMA	194.1 -> 163_	3/30/2018 12:11 PM	4.645	79	0 89	194.1 -> 105	200	0.50		200.2 -> 166	5.070	20806
Meperidine	248.2 -> 220		5.288	20	0 18	248.2 -> 174	49	1 89	Meperidine-D4	252.2 -> 224	5.594	78350
Methylphenidate	234.2 -> 84.2		5.433	420	0 63	234.2 -> 56.3			Meperidine-D4	252.2 -> 224	5.594	78350
Metoprolal	268.2 -> 116				L	268.2 -> 56.3		1	Meperidine-D4	252.2 -> 224	5.594	78350
Midazolam	326.1 -> 223.	-			L	326.1 -> 249			Midazolam-D4	330.1 -> 295	6.414	349413
Mirtazapine	266.2 -> 195	-			L	266.2 -> 72.3			Midazolam-D4	330.1 -> 295	6 414	349413
Mitragynine	399.2 -> 174	3/30/2018 12:11 PM	6.106	62	2.00	399.2 -> 238			Carbamazepine-13C6	243.1 -> 200	5.942	10198
Normeperidine	234.1 -> 42.3	3/30/2018 12:11 PM	5.185	23	0 22	234 1 -> 160	42	0.22	Normeperidine-D4	238.2 -> 164	5,555	386829
Norpropoxyphene	326.2 -> 44.3	3/30/2018 12:11 PM	5.948	31	0 49	326.2 -> 252			Norpropoxyphene-D5	331.2 -> 44.3	6.130	84261
Nortriptyline	264.2 -> 91.2		6.325	236	0 76	264.2 -> 233	206	0 66	Nortriptyline-D3	267.2 -> 233	6.303	373745
Ondansetron	294.2 -> 184	-			L	294.2 -> 212			Pentazocine-13C3	289.2 -> 72.3	5.608	652600
Pentazocine	286.2 -> 218		5 403	78	0.66	286.2 -> 41.3	191	0 82	Pentazocine-13C3	289.2 -> 72.3	5.608	652600
Phenazepam	349.0 -> 206		6.331	71	39.47	349.0 -> 183	65	0.56	Phenazepam-D4	353.0 -> 183	6.290	7607
Phencyclidine	244.2 -> 86.2		5.839	174	0.77	244.2 -> 91.1	164	13.39	Phencydlidine-D5	249.2 -> 86.2	5,838	582126
Phenytoin	253.1 -> 104	-			L	253.1 -> 182			Phenytoin-D10	263.2 -> 192	5.837	9621
Prazepam	325.1 -> 271	3/30/2018 12:11 PM	7 185	91	0.35	325.1 -> 140_	105	0 46	Prazepam-D5	330.1 -> 276	6.758	11723
Primidone	219.1 -> 91.2	3/30/2018 12:11 PM			L	219.1 -> 162			Prazepam-D5	330.1 -> 276	6.758	11723
Propoxyphene	340.2 -> 58.3	3/30/2018 12:11 PM	6.413	53	0 43	340.2 -> 266	381	1.81	Propoxyphene-D11	351 3 -> 277	6.169	100730
Protriptyline	264.2 -> 155	3/30/2018 12:11 PM				264.2 -> 161			Nortriptyline-D3	267.2 -> 233	6.303	373745
Pseudoephedrine	166.1 -> 148	3/30/2018 12:11 PM	4 728	161	0 38	166.1 -> 133	412	1.21	Pseudoephedrine-D3	169.1 -> 151	4.566	298148
Tapentadol	222.2 -> 107	3/30/2018 12:11 PM	5.454	123	1.40	222.2 -> 121	118	0.32	Tapentadol-D3	225.2 -> 107	5.414	508841
Trimipramine	295.2 -> 100		6.441	110	0.79	295.2 -> 58,3	141	0.54	Trimipramine-D3	298.2 -> 103	6.400	15795
Verapamil	455.3 -> 165	3/30/2018 12:11 PM	6.126	66	0.45	455.3 -> 150			Trimipramine-D3	298.2 -> 103_	6.400	15795
Zalepion	306.1 -> 236	3/30/2018 12:11 PM	6317	217	0.75	1	159	1 03	Zalepion-D4	310.2 -> 240	6.032	142270
Zoniclone	389 1 -> 244	389 1 -> 244 3/30/2018 12·11 PM	R 370	04	2 CE	010 1 1 000						

Name	Transition	Acq. Date-Time	RT	Resp.	S/N	IW	Transition	Area	S/N	ź	Name	Transition	RT	Resp
7-aminoflunitrazepam	284.1 -> 135	3/30/2018 12:31 PM	5 731	1619	7.55	7	284.1 -> 93.2			L	7-aminoflunitrazepam-D7	291.2 -> 138	5,567	476610
alpha-hydroxymidazolam	342.1 -> 324	3/30/2018 12:31 PM	6.251	529	0.86	ň	342.1 -> 203	321	3 89	L	alpha-hydroxymidazolam	346.1 -> 328	6,251	297453
Amitriptyline	278.2 -> 91.2	3/30/2018 12:31 PM				2	278.2 -> 105			L	Amitriptyline-D3	281.2 -> 91.2	6.362	532962
Amoxapine	314.1 -> 271	3/30/2018 12:31 PM	6.255	1059	5.34	ί Μ	314.1 -> 193	5919	53.66	L	Amitriptyline-D3	281.2 -> 91.2	6.362	532962
Benzoylecgonine	290.1 -> 168	3/30/2018 12:31 PM	5.179	275	6.52	ій Ц	290.1 -> 105	339	0.55	L	Benzoylecgonine-D8	298.2 -> 171	5,219	
Carbamazepine	237.1 -> 193	3/30/2018 12:31 PM	6.003	59	0 19	N L	237.1 -> 194			L	Carbamazepine-13C6	243.1 -> 200	5,942	10143
Chlordiazepoxide	300.1 -> 227	3/30/2018 12:31 PM			I	ы М	300.1 -> 282			L	Chlordiazepoxide-D5	305.1 -> 286	6,379	
Clomipramine	315.2 -> 86.2	3/30/2018 12:31 PM	6.619	133	0 29	ί Π	315.2 -> 58.3	537	0.87	L	Clomipramine-D3	318.2 -> 89.2	6.619	967075
Cocaine	304.2 -> 182	3/30/2018 12:31 PM	5.605	498	0 59	ы Э	304.2 -> 105	169	0.74	L	Cocaine-D3	307.2 -> 185	5.564	482777
Desipramine	267.2 -> 72.3	3/30/2018 12:31 PM	6.303	2156	12.49	7	267.2 -> 44.3	5625	9.12	L	Desipramine-D3	270.2 -> 75.3	6.263	769597
Doxepin	280.2 -> 107	3/30/2018 12:31 PM	6 281	447	0.45	2	280.2 -> 77.2	8060	Infini	L	Doxepin-D3	283.2 -> 107	6.078	183228
Estazolam	295.1 -> 267	3/30/2018 12:31 PM	6 543	73	1.00	і Л	295.1 -> 205	249	2 45	L	Estazolam-D5	300.1 -> 272	6,197	532195
Flunitrazepam	314.1 -> 268	3/30/2018 12:31 PM	6.275	996	2 22	in L	314.1 -> 239			L	Flunitrazepam-D7	321.1 -> 245	6.234	29951
Flurazepam	388.2 -> 315	3/30/2018 12:31 PM				3	388.2 -> 317			L	Zopiclone-D4	393.1 -> 244	6.127	71328
Imipramine	281.2 -> 86.2	3/30/2018 12:31 PM	6.341	2389	2 82	23	281.2 -> 58.3	515	1.54	L	lmipramine-D3	284.2 -> 61.3	6.300	13448.
Levamisole	205.1 -> 91.2	3/30/2018 12:31 PM	5.151	81	0.24	7 2(205.1 -> 178			L	Cocaine-D3	307.2 -> 185	5.564	482777
Maprotiline	278.2 -> 91.2	3/30/2018 12:31 PM	5.916	352	0.43	1 2	278.2 -> 117			L	Meperidine-D4	252.2 -> 224	5,615	89525
MDA	180.1 -> 163	3/30/2018 12:31 PM	5 152	1271	0.81	1	180.1 -> 105	137	0 52	L	MDA-D5	185.1 -> 168	4,970	63988
MDEA	208.1 -> 163	3/30/2018 12:31 PM	5 517	1176	318.39	7	208.1 -> 105	702	2 83	L	MDEA-D6	214.2 -> 166	5.251	470615
MDMA	194.1 -> 163	3/30/2018 12:31 PM				1	194.1 -> 105			L	MDMA-D6	200.2 -> 166	5.090	18331
Meperidine	248.2 -> 220	3/30/2018 12:31 PM	5.086	40	0.61	1 24	248.2 -> 174	76	0 45	L	Meperidine-D4	252.2 -> 224	5,615	89525
Methylphenidate	234.2 -> 84.2	3/30/2018 12:31 PM	5.494	118	0 80	2:	234.2 -> 56.3			L	Meperidine-D4	252.2 -> 224	5.615	89525
Metoprolol	268.2 -> 116	3/30/2018 12:31 PM				2(268.2 -> 56.3			L	Meperidine-D4	252.2 -> 224	5.615	89525
Midazolam	326.1 -> 223	-				м Ц	326.1 -> 249			L	Midazolam-D4	330.1 -> 295	6.414	368353
Mirtazapine	266.2 -> 195	3/30/2018 12:31 PM	5.856	78	0 45	Ň	266.2 -> 72.3	195	0.87	L	Midazolam-D4	330.1 -> 295	6.414	368353
Mitragynine	399.2 -> 174				Ţ	ň	399,2 -> 238				Carbamazepine-13C6	243.1 -> 200	5.942	10143.
Normeperidine	234 1 -> 42.3	3/30/2018 12:31 PM	5.311	40	0.38	кі Ц	234.1 -> 160				Normeperidine-D4	238.2 -> 164	5,555	403041
Norpropoxyphene	326.2 -> 44.3	3/30/2018 12:31 PM	5.907	35	090	3,	326.2 -> 252			L	Norpropoxyphene-D5	331.2 -> 44.3	6.130	84845
Nortriptyline	264.2 -> 91.2	3/30/2018 12:31 PM	6.345	2429	2.37	к Ц	264.2 -> 233	94	3 38	L	Nortriptyline-D3	267.2 -> 233	6.303	357630
Ondansetron	294.2 -> 184	3/30/2018 12:31 PM				ій I	294.2 -> 212			L	Pentazocine-13C3	289.2 -> 72.3	5,629	641234
Pentazocine	286.2 -> 218	3/30/2018 12:31 PM	_		-	5 1	286.2 -> 41.3				Pentazocine-13C3	289.2 -> 72.3	5 629	641234
Phenazepam	349.0 -> 206	3/30/2018 12:31 PM	6.250	534	4 65 1	Š	349.0 -> 183			L	Phenazepam-D4	353.0 -> 183	6.290	9495
Phencyclidine	244.2 -> 86.2	3/30/2018 12:31 PM	5.859	318	1.56	7	244.2 -> 91.1	456	0 74	L	Phencydlidine-D5	249.2 -> 86.2	5.859	614305
Phenytoin	253.1 -> 104	3/30/2018 12:31 PM				кл Ц	253.1 -> 182			L	Phenytoin-D10	263.2 -> 192	5.837	11749
Prazepam	325.1 -> 271	3/30/2018 12:31 PM	6.760	44	0.20	м Г	325.1 -> 140	29	0.52	L	Prazepam-D5	330.1 -> 276	6.758	10519.
Primidone	219.1 -> 91.2	3/30/2018 12:31 PM	5 394	361	1.57	2	219.1 -> 162			L	Prazepam-D5	330.1 -> 276	6.758	10519.
Propoxyphene	340.2 -> 58.3	3/30/2018 12:31 PM	6 008	85	0.50	ς Γ	340.2 -> 266	55	0.32		Propoxyphene-D11	351.3 -> 277	6.169	100617
Protriptyline	264.2 -> 155	3/30/2018 12:31 PM	6.203	240	0 67	N L	264.2 -> 161	41	1.06	L	Nortriptyline-D3	267.2 -> 233	6.303	357630
Pseudoephedrine	166.1 -> 148	3/30/2018 12:31 PM	4.465	162	0 48	Ĩ	166.1 -> 133	132	0.43	L	Pseudoephedrine-D3	169.1 -> 151	4.566	362559
Tapentadol	222.2 -> 107	3/30/2018 12:31 PM	5.291	83	0.50	2	222.2 -> 121	33	0.39	L	Tapentadol-D3	225.2 -> 107	5.414	517534
Trimipramine	295.2 -> 100	3/30/2018 12:31 PM	6.401	183	1.12	і Л	295.2 -> 58.3	21	0.25	L	Trimipramine-D3	298.2 -> 103	6.400	18341.
Verapamil	455.3 -> 165	3/30/2018 12:31 PM	6.248	37	0.28	4	455.3 -> 150			L	Trimipramine-D3	298.2 -> 103	6.400	18341.
Zaleplon	306.1 -> 236		6 155	239	143	Ř	306.1 -> 264	74	0.82	L	Zaleplon-D4	310.2 -> 240	6.052	146177
Zoniclone	1002	12/20/2018 12.21 DM	C 1 2	COTOC	1001	č	010 - F 000	CT OLT	00 10	1				