reviewed o/ 10/ 10	reviewed	8/16/18
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# 16/18 Buylee

#### Worklist: 2619

LAB CASE	ITEM	<u>TASK ID</u>	DESCRIPTION
C2018-1411	1	121627	AM 25/AM 26 Blood MultiDrug/THC Screen by L
C2018-1413	1	121647	AM 25/AM 26 Blood MultiDrug/THC Screen by L(
C2018-1436	1	121895	AM 25/AM 26 Blood MultiDrug/THC Screen by L
C2018-1446	1	121909	AM 25/AM 26 Blood MultiDrug/THC Screen by L(
C2018-1447	1	121911	AM 25/AM 26 Blood MultiDrug/THC Screen by L(
C2018-1450	1	121916	AM 25/AM 26 Blood MultiDrug/THC Screen by L
C2018-1455	1	122158	AM 25/AM 26 Blood MultiDrug/THC Screen by L
C2018-1494	1	122726	AM 25/AM 26 Blood MultiDrug/THC Screen by L(
C2018-1495	1	122728	AM 25/AM 26 Blood MultiDrug/THC Screen by L
C2018-1510	1	122909	AM 25/AM 26 Blood MultiDrug/THC Screen by L(
C2018-1547	1	123255	AM 25/AM 26 Blood MultiDrug/THC Screen by L(
C2018-1548	1	123257	AM 25/AM 26 Blood MultiDrug/THC Screen by L(

1

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

8-7-18 8-13-18 Analyst: Anne Nord Extraction Date: Plate Expiration: 10/18/2018 Plate lot#: 0515207

Mobile phase A: 10mM Amm Form Mobile phase B: 0.1% Formic Acid in MeOH 0.5M Ammonium Hydroxide Ethyl Acetate LC Methanol Blank Blood Lot: 17J20718 \* Column: Phenomenex Phenyl Hexyl (4.6x50mm, 2.6um) LCMS-QQQ ID: 62340 186207D7

### **Pre-Analytic:**

- ☑ 1. Check levels of mobile phases and needle wash refill as needed. Ensure waste is not full.
- $\boxtimes$  2. Ensure correct column is installed and begin mobile phase flow allow to equilibrate ~ 30 minutes.
- $\square$  3. Create worklist:

### Analytic:

- ☑ 1. Remove standards, plate, controls, and samples from cold storage. Allow to reach room temperature.
- 2. Pipette 250µL blood (calibrated pipette) Pipette ID: 1926134 in wells of analytical (standards) plate.
- 3. Place on shaking incubator at ambient temp., 900rpm for 15 minutes. Shaker ID: 66759
- ☑ 4. Pipette 250µL 00.5M ammonium hydroxide in wells of analytical plate.
- 5. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- **5** 6. Transfer **300μL of blood+base** mixture to corresponding wells of SLE+ plate.
- ☑ 7. Apply positive pressure for approx. 10-15 seconds (or until no liquid remains on top of sorbent). (Load at 85-100 PSI- Selector to the right) Manifold ID: 66792
- $\boxtimes$  8. Wait 5 minutes.
- 2 9. Add 900uL ethyl acetate.
- $\searrow$  10. Wait 5 minutes.
- 11. Apply positive pressure for approx. 15 seconds. (10-15 PSI- Selector to the left).
- ☑ 12. Add 900uL ethyl acetate.
- $\square$  13. Wait 5 minutes.
- 14. Apply positive pressure for approx. 15 seconds. (10-15 PSI- Selector to the left).
- ☑ 15. Remove plate containing eluate. Place on SPE Dry and evaporate to dryness at approx. 35°C. SPE Dry ID: 66819
- 2 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. \* Worklist path: MdS PI, MdS P2 Batch Name: 081318 AM 25-26
- $\boxtimes$  2. Make necessary changes to integration limits
- Evaluate samples, S/N of primary transition >5 and S/N of secondary transition >3 or evaluation of peak 泡 3. symmetry and resolution. Within  $\pm -2\%$  or 0.1 min RT of administrative control. > 1/3 the response of administrative control.
- Did all QCs pass for each analyte? Y / N 凶 4.
- 凶 5. Central File Packet to include: LIMS Worklist, Method Checklist, Calibration and Control Reports

originally extracted on 8-8-# 8-7-18 there was an interforant COMMENTS: for methamphetame. I changed out the mobile phases this caused a shift in retention time for the from the samples run before the switch. The samples were re-extracted and run 8-13-18 Data for 8-7-18 run 080718 AM 25-26

working solution 10000 ng/ml in meoh Hydromorphone, Hydrocodone, Nortriptyline, Sertraline by Amn Toxicology AM method 25 external prep information Stock solution 1mg/ml 100 ul each in 9600ul meOH Ppd 4/23/18 Exp: 4/23/19 lot 42318

Ulug Lidrob		expiration
Hydrocodone Hydrocodone	FE04101502 FE09091505	6/1/2020 9/1/2020
nortriptyline	FN06191503	8/1/2020
sertraline	FN01081501	3/1/2020

AM 25 control 100 ul working solution (42318) in 9900 ul neg blood ppd 04/23/18 exp 4/23/19 lot 42318

neg blood lot 17J20718

by Amn

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



NT         Resp.         S.N.         Transition         S.N.         Value         Name         Transition         RT           5.054         2.965         43.83         2.861 > 22.2         21.0         13.30         13.01         S.M.         2.862         2.861 > 22.2         23.00         2.861 > 22.2         2.802         2.817         AMA/D6         2.862 > 17.2         5.896         5.827         1.865 > 17.2         2.802         2.817         2.861 > 22.2         2.817         2.861 > 22.2         2.817         5.861         3.01 > 20.2         5.171         5.865         3.01 > 20.2         5.171         5.862         3.01 > 20.2         5.171         5.865         3.01 > 20.2         5.171         5.865         3.01 > 20.2         5.171         5.865         3.01 > 20.2         5.171         5.865         3.01 > 20.2         5.131         5.967         3.01 > 20.2         5.135         5.961         3.01 > 20.2         5.135         5.961         3.01 > 20.2         5.135         5.961         3.01 > 20.2         5.826         5.961         3.01 > 20.2         5.826         5.961         3.962 > 21.85         5.961         3.962 > 21.85         5.961         3.962 > 21.85         5.961         3.962 > 21.85         5.962         3.961 > 21.96         5.9	1 1058/1	4.411	305.2 -> 287	10033 Oxymorphone-D3		5.57	302.1 ->	106.97	39488	4.433	. 8/13/2018 2:52 PM	302.1 -> 284	Oxymorphone
RT         Resp.         S.N.         Transition         S.N.         Area         Name         Transition         RT           5.057         2935         Infinity         326.1         211.1         13.30         1320         1203.1         54.44.2         15.5         55.9         55.9         200.1         15.5         46.07         1007.0         180.1         200.1         128.2         200.0         200.1         128.2         200.1         200.1         128.2         200.1         200.1         128.2         200.1         2	5 220534		322.2 -> 304.	1			316.2 ->	33.04		5.056	. 8/13/2018 2:52 PM	316.2 -> 298	Oxycodone
RT         Resp.         S.N.         Transition         S.N.         Itanity         S.N.         Transition         S.M.         Name         Transition         RT         Resp.         S.M.         Transition         RT         Name         Transition         RT         Resp.         S.M.         Transition         S.M.         Transition         S.M.         S.M.         S.M.         S.M.         S.M.         Transition         S.M.         S.M.         S.M.         S.M.         S.M.         S.M.         S.M.         S.M.         Transition         S.M.			292.1 -> 246.				287.1 ->	78.55		6.325	. 8/13/2018 2:52 PM	287.1 -> 240	Oxazepam
RT         Resp.         SN         Transition         SN         Area         Name         Transition         RT           5.065         995         Infinity         282.2         211.1         5.30         1336         6.444.2         165.3         200.1         25.51         5.507         280.5<			256.2 -> 64.3				250.2 ->	97.30		5.007	8/13/2018 2:52 PM	250.2 -> 58.3	O-desmethyl-tramadol
RT         Resp.         SN         Transition         SN         Area         Name         Transition         RI         Resp.         SN         Transition         RI         Name         Transition         RI         Radio         RI         Transition         RI         Isa         Just E-MAMD6         Summe         Transition         RI         Radio         Summe         Transition         RI         Radio         Summe         Transition         RI         Summe         Summe         Summe         Rule         Summe         Rule         Summe         Rule         Summe         Transition         RI         Summe         Summe         Transition         RI         Summe         Summe         Summe         Summe         Summe         Rule         Summe         Rule         Summe         Rule         Summe         Rule         Summe         Rule         Rul	-		305.2 -> 287.		5695		302.1 ->	Infinity		5.018	. 8/13/2018 2:52 PM	302.1 -> 284	Noroxycodone
RT         Resp.         SN         Transition         SN         Area         Name         Transition         RI         Resp.         SN         Transition         RI         Name         Transition         RI         Radia         Rint         State         Transition         RI         Rint         State         Sta			289.2 -> 202.			1	286.2 ->	Infinity		5.123	. 8/13/2018 2:52 PM	286.2 -> 199	Norhydrocodone
RT         Resp.         SN         Transition         SN         Area         Name         Transition         RT         Rank         Name         Transition         RT         Rank         Transition         RT         Rank         Transition         RT         Infinity         238.2         211.1         13.30         1335         EMAMD6         Substration	0		238.2 -> 84.2	1		38.97		876.71	[	5.395	8/13/2018 2:52 PM	233.2 -> 84.2	Norfentanyl
RT         Resp.         SN         Transition         SN         Area         Name         Transition         R1         R           5.055         935         Infnity         228.2 > 21.1.         13.30         1305         6.MMAD6         334.2 > 165.         5.055           5.532         168.31         137.31         288.2 > 56.3         11.83         15080         Norosycodone-D3         305.2 > 287.         5.057           6.5416         5263         168.31         137.31         288.2 > 56.3         11.83         15080         Norosycodone-D3         305.2 > 287.         5.057           6.543         50471         110.5.         304.1 > 206.         227.4         52346         Alpraxolam-D5         314.1 > 286.         6.402           5.541         11161         232.1 P.15.         28.31         28492         AmptembenD11         147.2 > 185.         5.602         5         5.58         3.04.1 > 202.         183.5         5.601         1         147.2 > 185.         5.602         5         5.598         3.04.1 > 286.         6.402         2         183.5         5.601         1         1.42.2 > 185.         5.601         1         2.22.1 5.         5.601         1.02.2         185.5         5.601         <			276.1 -> 140			353.43	1000000	Infinity	1	6.472	8/13/2018 2:52 PM	271.1 -> 140	Nordiazepam
RT         Resp.         S/N         Transition         S/N         Area         Name         Transition         RT         Resp.         S/N         Transition         S/N         Area         Name         Transition         RT         R         R         Transition         RT         R         R         Transition         RT         R         Summary and the state of			417.3 -> 101.	Norbuprenorphine-D3		12.83	414.3 ->	7.43		5.866	8/13/2018 2:52 PM	414.3 -> 101	Norbuprenorphine
RT         Resp.         S/N         Transition         S/N         Area         Name         Transition         RT         Rimity         322. 2 211.         13.30         13.05         6.MAM-D6         33.4.2         15.05           5.592         1965         1970.5         1252.0         29.00         29.01         2.201.0         2.210.0         2.201.0         2.210.0         2.201.0         2.210.0         2.201.0         2.210.0         2.201.0         2.210.0         2.201.0         2.201.0         2.201.0 <td></td> <td>. <b> </b></td> <td>292.2 -&gt; 152.</td> <td>4</td> <td>2448</td> <td></td> <td>286.2 -&gt;</td> <td>21.66</td> <td>3233</td> <td>4.397</td> <td>8/13/2018 2:52 PM</td> <td>286.2 -&gt; 201</td> <td>Morphine</td>		. <b> </b>	292.2 -> 152.	4	2448		286.2 ->	21.66	3233	4.397	8/13/2018 2:52 PM	286.2 -> 201	Morphine
RT         Rep.         SN         Transition         SN         Area         Name         Transition         RT         Rans         Name         Transition         RT         Riminy         332.2         165.         935         Infinity         322.2         211.         13.30         1305         6-MAM-D6         334.2         165.         5.055           5.591         2968         172.21         29.00         2011         7-Minoclonazepam-D4         201.2         201.2         5.050         301.2         202.2         71.1         5.050         301.2         302.2         201.1         5.051         301.2         302.2         201.1         5.051         301.2         302.2         201.1         5.051         301.2         302.2         201.1         5.051         301.2         302.2         201.2         5.051         301.2		-	161.2 -> 97.1		1		150.1 ->	6.38		5.132	8/13/2018 2:52 PM	150.1 -> 91.1	Methamphetamine
RT         Resp.         S/N         Transition         S/N         Area         Name         Transition         RT           5.065         935         Infinity $32.2 - 211$ 13.30         1305         6-MAM-D6 $334.2 - 165$ 5.055           5.691         29685         428.36         200.1 $- 50.5$ 1305         6-MAM-D6 $334.2 - 165$ 5.055           5.591         1282.90         202.1 $- 10.5$ 8.42         3239         a-hydroxyalprazolam-D5         30.1 $- 302$ 6.317           6.318         5263         11051         200.2 $- 217$ 2.282         6.331         122.2 $- 77.1$ 2.283         a-hydroxyalprazolam-D5         30.1 $- 302$ 6.317           6.4922         49710         19151         122.2 $- 105$ 62.54         2842         2002         13.1.         5.086           6.623         13645         304.2 $- 213$ 240.2 $- 91$ 5.929         134         280.2 $- 117$ 6.233           6.633         1464         235.95         316.1 $- 213$ 39.41         4069         Colaine-D3         307.2 $- 183$ 6.623           6.643         357.61	1	~	319.3 -> 268.	-1	1		310.2 ->	443.33	1	6.239	8/13/2018 2:52 PM	310.2 -> 265	Methadone
RT         Resp.         S/N         Transition         S/N         Area         Name         Transition         RT           5.065         935         Infinity         328.2 ~ 211         13.30         1305         6-MAM-D6         334.2 ~ 165         5.055           5.591         29685         438.36         286.1 ~ 222.         29.00         202.11         7-Minoclonazgenn-D4         290.1 ~ 121         5.595           6.538         5.263         102.2         29.01         222         29.01         201.5         5.595           6.538         5263         107.2         22         29.01         282.2         7.11         5.596           6.538         5629         11336         304.2         505.3         21.1         22         52.7         22         63.17           4.922         4910         19.1.5         13.6         11.9         29.7         2.594         Alprazolam-D5         31.4.1         2.986         5.029           6.5761         311.1         232.1         2.71         232.1         2.760         33.1.2         109         4.931           6.633         14660         67.51         325.2         2.82         4.865		v.]	226.2 -> 165.	1	1	52.25	1	62.07	21902	5.661	8/13/2018 2:52 PM	219.1 -> 158	Meprobamate
RT         Resp.         S/N         Transition         S/N         Area         Name         Transition         RT           5.065         935         Infinity $32.2 > 211.$ 13.30         1305         6-MAM-D6 $334.2 > 165.$ 5.095           5.591         29685         438.36         286.1 > 222.         29.00         20211         7-Aminocionazepam-D4         290.1 > 121.         5.590           5.591         29685         137.31         288.2 > 57.3.         13.33         15080         Norwycodne-D3         395.2 > 297.         5.391           6.318         5623         1075         39.1 > 216         8.42         3233         a-hydroxyalprazolam-D5         310.1 > 302.         6.317           6.629         143356         375.8         391.2 > 255.3         595.7         294.42         Amphetamine-D11         147.2 > 280.         6.422           1.5761         31161         232.1 > 133.         361.2 > 55.3         596.7         2330.2 > 185         5.620           1.6026         134.645         47.32         300.2 > 185         5.620         2300.2 > 185         5.620           1.6043         64.52         47.32         300.2 > 165         5.626         200.1 >	1		268.2 -> 58.3	1	42617	-	399.2 ->	10.16	20847	6.111	8/13/2018 2:52 PM	399.2 -> 238	Mitragynine
RT         Resp.         S/N         Transition         S/N         Area         Name         Transition         RT           5.505         9.33         Infinity $32.2 \rightarrow 21.1.$ 13.30         1305         6-MAM-D6 $334.2 \rightarrow 165$ 5.055           5.591         29685         438.36         286.1 $\rightarrow 222$ 29.00         20211         7-Aminoclonazepam-D4         290.1 $\rightarrow 112$ 5.090           5.592         1653         137.31         266.2         205.1 $\rightarrow 215$ 8.42         32.39         a-hydroxyalprazolam-D8         298.2 $\rightarrow 171$ 5.087           5.599         67531         96.19         232.2 $\rightarrow 77.1$ 22.82         2633         alpha-PVP-d8         310.1 $\rightarrow 302$ 6.317           4.992         49710         119.15         136.1 $\rightarrow 119$ 35.67         233.01 $\rightarrow 302$ 133.1         5.629           5.623         113.36         375.61         314.1 $\rightarrow 286$ 6.403         307.2 $\rightarrow 185$ 5.629           6.053         154.650         67.51         321.2 $\rightarrow 285$ 36.02         133         30.01         202.2 $\rightarrow 185$ 5.676           6.053         154.650         67.51 <td< td=""><td>1</td><td></td><td>268.2 -&gt; 58.3</td><td></td><td>78987</td><td></td><td>266.2 -&gt;</td><td>83.56</td><td>1</td><td>5.820</td><td>8/13/2018 2:52 PM</td><td>266.2 -&gt; 195</td><td>Mirtazapine</td></td<>	1		268.2 -> 58.3		78987		266.2 ->	83.56	1	5.820	8/13/2018 2:52 PM	266.2 -> 195	Mirtazapine
RT         Resp.         S/N         Transition         S/N         Area         Name         Transition         RT           5.065         935         Infinity $32.2 > 211.$ 13.30         1305         6-MAM-D6 $334.2 > 165.$ 5.055           5.591         29685         438.36 $286.1 > 222.$ 29.00 $20211$ 7-Aminoclonazepam-D4 $290.1 > 121.$ 5.90           5.591         29685 $137.31$ $262.3$ $261.37$ $25.90$ $202.7 + 171.$ $5.89$ 6.532         11075 $301.1 > 205.$ $297.42$ $294.64$ Appletoxyalprazolam-D5 $301.2 > 302.$ $6.317$ 6.503         11015 $325.2 > 171.$ $22.82$ $26333$ alpha=PVP-48 $240.2 > 91.1$ $5.598$ 6.503         11015 $325.2 > 105$ $8.42$ Cocaine-D11 $147.2 > 130$ $4.938$ 6.403 $50477$ $13.03$ $261.2 > 55.3$ $59.67$ $63242$ Cocaine-D13 $317.2 > 130$ $4.938$ 6.403 $50761$ $276.2 > 213$ $57.60$ $216$		<u> :</u>	242.1 -> 129		21817	14.56	238.1 ->	284.26		5.475	8/13/2018 2:52 PM	238.1 -> 125	Ketamine
RT         Resp.         S/N         Transition         S/N         Area         Name         Transition         RT         Resp.         S/N         Transition         S/N         Area         Name         Transition         RT         R           5.501         29685         438.36         286.1 $\rightarrow$ 222         29.00         20211         7-Aminocionazepam-D4         290.1 $\rightarrow$ 165         5.095           5.501         29685         17025         125.290         202.1 $\rightarrow$ 105         45.07         10370         Benzoylecgonine-D3         305.2 $\rightarrow$ 287         5.037           5.591         29685         170.25         125.290         290.1 $\rightarrow$ 212         29.01         290.1 $\rightarrow$ 302         6.017         5.036         306.2 $\rightarrow$ 287         5.037           5.593         67531         96.19         232.1 $\rightarrow$ 215         8.42         297.42         2934         Alphazolam-D5         314.1 $\rightarrow$ 286         6.402           6.403         50457         110.5         306.1 $\rightarrow$ 133         506.5         6351         24426         Docaine-D3         307.2 $\rightarrow$ 185         5.629           6.5267         21303         261.7 $\rightarrow$ 133         251.3         596.6         G351         Cacaine-D3         307.2 $\rightarrow$ 185			292.2 -> 185.		10547	6.09	286.2 ->	12.71	14986	4.579	8/13/2018 2:52 PM	286.2 -> 184	Hydromorphone
RT         Resp.         S/N         Transition         S/N         Area         Name         Transition         RT           5.065         935         Infnity $32.2 \sim 211.$ 13.30         1305         6-MAM-D6 $334.2 \sim 165.$ 5.055           5.591         29685 $438.36$ $286.1 \sim 222.$ 29.00         20211         7-Aminoclonazepam-D4         290.1 $> 121.$ 5.590           5.591         29685 $17025$ $1252.90$ 290.1 $> 102.$ $290.01$ 2021         7-Aminoclonazepam-D4         290.1 $> 202.$ $5071$ 5.591         2563 $17025$ $1252.90$ $290.1 > 205.$ $291.2 > 277.1$ $22.82$ $2333$ alpha-PVP-d8 $240.2 > 91.1$ $5.591$ 6.403 $50471$ $11075$ $309.1 > 205$ $297.42$ $52946$ Amphetamine-D11 $147.2 > 130$ $4931$ 6.403 $50471$ $119.15$ $136.1 > 213$ $376.81$ $1474.6$ Amphetamine-D11 $147.2 > 130$ $4931$ 6.4053 $154650$ $675.1$ $325.2 > 265$ $4865.25$ $33960$ <td>Τ</td> <td></td> <td>306.2 -&gt; 202.</td> <td></td> <td>1</td> <td>Infinity</td> <td>300.2 -&gt;</td> <td>Infinity</td> <td>23836</td> <td>5.161</td> <td>8/13/2018 2:52 PM</td> <td>300.2 -&gt; 198</td> <td>Hydrocodone</td>	Τ		306.2 -> 202.		1	Infinity	300.2 ->	Infinity	23836	5.161	8/13/2018 2:52 PM	300.2 -> 198	Hydrocodone
RT         Resp.         S/N         Transition         S/N         Area         Name         Transition         RT         Ransition         RT         Instition         S/N         Area         Name         Transition         RT         F           5.591         29885         438.36         286.1 $\div$ 222         29.00         20211         7-Aminoclonazepam-D4         290.1 $\div$ 121         5.505         5.507         290.1 $\div$ 121         5.509         290.1 $\div$ 121         5.509         290.1 $\div$ 121         5.509         5.507         1075         305.2 $\rightarrow$ 287         5.037         305.2 $\rightarrow$ 287         5.629         5.629         5.629         5.629         5.629	1		316.2 -> 44.3		7102	Infinity	310.1 ->	573.22	221412	6.219	8/13/2018 2:52 PM	310.1 -> 44.3	Fluoxetine
RT         Resp.         SN         Transition         SN         Area         Name         Transition         RT         Resp.         SN         Transition         SN         Area         Name         Transition         RT         RT         Rame         Transition         RT         RT         RT         Rame         Transition         RT         RT         Rame         Transition         RT         RT         RT         Rame         Transition         RT         RT         RT         Rame         Transition         RT         RT         Rame         Transition         RT         RT         Rame         Transition         RT         RT         Rame         State         State </td <td>1</td> <td>Ŀ</td> <td>342.3 -&gt; 105</td> <td></td> <td>11435</td> <td>1098.97</td> <td>337.2 -&gt;</td> <td>6.46</td> <td>20962</td> <td>6.052</td> <td>8/13/2018 2:52 PM</td> <td>337.2 -&gt; 105</td> <td>Fentanyl</td>	1	Ŀ	342.3 -> 105		11435	1098.97	337.2 ->	6.46	20962	6.052	8/13/2018 2:52 PM	337.2 -> 105	Fentanyl
RT         Resp.         S/N         Transition         S/N         Area         Name         Transition         RT         Resp.         S/N         Transition         S/N         Area         Name         Transition         RT         F           5.591         29685         438.36         286.1 ~ 222         29.00         20211         7-Aminoclonazepam-D4         290.1 ~ 121         5.590         1         5.591         290.1 ~ 121         5.590         1         5.591         290.1 ~ 121         5.590         1         5.591         290.1 ~ 121         5.590         1         5.591         290.1 ~ 121         5.385         298.2 ~ 171         5.385         298.2 ~ 171         5.385         298.2 ~ 171         5.385         298.2 ~ 171         5.385         298.2 ~ 171         5.385         298.2 ~ 171         5.385         298.2 ~ 171         5.385         298.2 ~ 171         5.385         298.2 ~ 171         5.385         298.2 ~ 171         5.385         298.2 ~ 171         5.385         298.2 ~ 171         5.385         298.2 ~ 181         5.037         298.2 ~ 181         5.037         299.1         5.385         3.01 ~ 302         6.317         286.33         alphazolam-D4         299.7         6.402 <td< td=""><td></td><td></td><td>282.2 -&gt; 235</td><td></td><td>23513</td><td>56.64</td><td>279.2 -&gt;</td><td>12311</td><td>71874</td><td>6.021</td><td>8/13/2018 2:52 PM</td><td>279.2 -&gt; 235</td><td>EDDP</td></td<>			282.2 -> 235		23513	56.64	279.2 ->	12311	71874	6.021	8/13/2018 2:52 PM	279.2 -> 235	EDDP
RT         Resp.         S/N         Transition         S/N         Area         Name         Transition         RT         R           5.055         935         Infinity $32.2 \rightarrow 211.$ 13.00         1305 $6.MAM.D6$ $34.2 \rightarrow 165.$ 5.055 $5.591$ $29685$ $438.36$ $286.1 \rightarrow 222.$ $290.0$ $20211$ $7.Aminoclonazepam.D4$ $290.1 \rightarrow 121.$ $5.590$ $11.21.$ $5.590$ $11.21.$ $5.590$ $21.2 - 56.3$ $11.83$ $15089$ Noroxycoclone-D3 $305.2 \rightarrow 287.$ $5.037$ $5.599$ $67531$ $96.19$ $232.2 \rightarrow 77.1$ $22.82$ $26333$ $alpha.PVP-d8$ $240.2 \rightarrow 91.1$ $5.598$ $305.2 \rightarrow 287.$ $5.037$ $6.403$ $50457$ $11075$ $39.1 \rightarrow 205$ $297.42$ $5294$ Alprazolam-D5 $314.1 \rightarrow 286$ $6.402$ $49710$ $19.15$ $136.1 \rightarrow 119$ $375.81$ $1472 \rightarrow 130$ $4.931$ $4062$ $202$ $185$ $5.629$ $137$ $397.2 \rightarrow 185$ $5.629$ $5.62.51$ $5.62.51$ $5.62.51$ $5.62.51$			276.2 -> 187	10	1395	183.49	271.2 ->	82.43	199105	5.675	8/13/2018 2:52 PM	271.2 -> 182	Doxylamine
RT         Resp.         S/N         Transition         S/N         Area         Name         Transition         RT         R           5.055         935         Infinity $32.2 \rightarrow 211.$ 13.00         1305 $6.MAM.D6$ $34.2 \rightarrow 165.$ 5.055 $5.991$ $29685$ $438.36$ $286.1 \rightarrow 222.$ $290.0$ $20211$ $7.Aminoclonazepam.D4$ $280.1 \rightarrow 121.$ $5.590$ $11.23.3$ $1305$ $6.MAM.D6$ $34.2 \rightarrow 165.$ $5.590$ $11.23.3$ $1262. \rightarrow 56.3$ $11.33.3$ $10370$ Benzoyleogonine-D8 $282.2 \rightarrow 171.$ $5.385$ $5.599$ $67531$ $96.19$ $232.2 \rightarrow 77.1$ $22.82$ $26333$ alpha-PVP-d8 $240.2 \rightarrow 91.1$ $5.598$ $330.1 \rightarrow 302.$ $6.317$ $6.403$ $306.1 \rightarrow 213.$ $50457$ $11075$ $391.4 \rightarrow 205$ $297.42$ $52944$ Amphetamine-D11 $147.2 \rightarrow 130$ $4.931$ $492.2 \rightarrow 183$ $6402$ $307.2 \rightarrow 185$ $5629$ $134.1 \rightarrow 286$ $6402$ $307.2 \rightarrow 185$ $5629$ $134.1 \rightarrow 286$ $6402$ $307.2 \rightarrow 185$ $5629$ $306.2 \rightarrow 185$ <td></td> <td></td> <td>259.2 -&gt; 167</td> <td>1</td> <td>57659</td> <td>127.66</td> <td>256.2 -&gt;</td> <td>308.91</td> <td>225074</td> <td>6.005</td> <td>8/13/2018 2:52 PM</td> <td>256.2 -&gt; 167</td> <td>Diphenhydramine</td>			259.2 -> 167	1	57659	127.66	256.2 ->	308.91	225074	6.005	8/13/2018 2:52 PM	256.2 -> 167	Diphenhydramine
RT         Resp.         S/N         Transition         S/N         Area         Name         Transition         RT         Resp.         S/N         Transition         S/N         Area         Name         Transition         RT         F           5.055         935         Infinity         328.2 -> 211         13.30         1305         6-MAM-D6         334.2 -> 165         5.055         5.591         29685         438.36         286.1 -> 222         29.00         20211         7-Aminoclonazepam-D4         290.1 -> 121         5.590         1           5.591         29683         137.31         268.2 -> 56.3         11.83         15089         Noroxycodone-D3         305.2 -> 287         5.037         5.371         5.385         5.391         30.1 -> 302         6.317         5.392         130.1 -> 302         6.317         5.392         30.1 -> 302         6.317         5.393         alpha-PVP-d8         240.2 -> 91.1         5.398         3         5.629         131.61         232.18         240.1 -> 131         5.341         25494         Amphetamine-D11         147.2 -> 130         4.931         4.931         4.931         4.931         4.931         4.931         4.931         4.92> 185         5.629         5.760 <td></td> <td>~{~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~</td> <td>308.2 -&gt; 202</td> <td>1</td> <td>11591</td> <td>8.08</td> <td>302.2 -&gt;</td> <td>14.08</td> <td>17932</td> <td>4.876</td> <td>8/13/2018 2:52 PM</td> <td>302.2 -&gt; 198</td> <td>Dihydrocodeine</td>		~{~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	308.2 -> 202	1	11591	8.08	302.2 ->	14.08	17932	4.876	8/13/2018 2:52 PM	302.2 -> 198	Dihydrocodeine
RT         Resp.         S/N         Transition         S/N         Area         Name         Transition         RT           5.055         935         Infinity         28.8.2 · 211         13.30         1305         6-MAM-D6         334.2 · 165         5.055           5.591         28685         438.36         286.1 · 222         29.00         20211         7-Aminoclonazepam-D4         290.1 - 121         5.590           5.532         16853         137.31         268.2 · 56.3         11.83         15089         Noroxycodone-D3         305.2 · 287         5.037           5.539         67531         96.19         232.2 · 77.1         22.82         2633         alpha-PVF-d8         240.2 - 91.1         5.598           6.403         50457         11075         309.1 - 206         297.42         5294         Alprazolam-D5         314.1 - 286         6.402           4.992         49710         19.15         136.1 -> 119         297.42         5294         Amphetamine-D11         147.2 -> 130         4.931           5.629         13161         232.18         240.1 -> 131         376.81         14746         Bupropion-D9         249.2 -> 185         5.629           5.6267 <td< td=""><td></td><td></td><td>290.1 -&gt; 198</td><td></td><td>29601</td><td>259.38</td><td>1</td><td>51.41</td><td>37436</td><td>6.631</td><td>8/13/2018 2:52 PM</td><td>285.1 -&gt; 193</td><td>Diazepam</td></td<>			290.1 -> 198		29601	259.38	1	51.41	37436	6.631	8/13/2018 2:52 PM	285.1 -> 193	Diazepam
RT         Resp.         S/N         Transition         S/N         Area         Name         Transition         RT         Rame         Transition         RT         Resp.         S/N         Transition         S/N         Area         Name         Transition         RT         F           5.055         935         Infinity $328.2 \rightarrow 211$ 13.30         1305         6-MAM-D6 $334.2 \rightarrow 165$ 5.055         5.591 $296.85 + 1252.90$ $290.1 \rightarrow 105$ $45.07$ $10370$ Benzoyleogonine-D8 $298.2 \rightarrow 171$ $5.381$ $298.2 \rightarrow 171$ $5.385$ $5.599$ $67531$ $96.19$ $322.2 \rightarrow 77.1$ $22.82$ $22333$ $alpha-PVP-d8$ $305.2 \rightarrow 92$ $6.317$ $5.599$ $67531$ $96.19$ $322.2 \rightarrow 77.1$ $22.82$ $22333$ $alpha-PVP-d8$ $305.2 \rightarrow 911$ $5.598$ $6.402$ $301.4 \rightarrow 2866$ $6.402$ $309.1 \rightarrow 2052$ $23742$ $52346$ $Alprazolam-D5$ $314.1 \rightarrow 2866$ $6.402$ $6.402$ $440291.1$ $147.2 \rightarrow 1306$ $6.402$ $5.594$ $Alprazolam-D5$ $314.1 \rightarrow 2866402$ $5.629$ <			261.2 -> 157	1	25235	4775.71	258.2 ->	199.92	36701	5.493	8/13/2018 2:52 PM	258.2 -> 157	Dextrorphan
RT         Resp.         S/N         Transition         S/N         Area         Name         Transition         RT         Resp.         S/N         Transition         S/N         Area         Name         Transition         RT         F           5.055         933         Infinity $328.2 \sim 211$ 13.30         1305         6-MAM-D6 $334.2 \sim 165$ 5.055         5.591         29685 $438.36$ $286.1 \sim 222$ 29.00         20211         7-Aminoclonazepam-D4         290.1 $\sim 121$ 5.590         1           5.532         16833         137.31 $268.2 \sim 56.3$ 11.83         15089         Noroxycodone-D3 $305.2 \sim 287$ 5.037         5.037           6.518         5263         20.627         325.1 $\sim 215$ $8.42$ $2323$ $a-hydroxyalprazolam-D5$ $30.1 \rightarrow 302$ $6.317$ $5.598$ $305.2 \sim 287$ $5.598$ $305.2 \sim 91.1$ $5.598$ $305.1 \sim 302$ $6.317$ $292.2 \rightarrow 91.1$ $5.598$ $305.2 \rightarrow 91.1$ $5.598$ $305.2 \rightarrow 91.1$ $5.385$ $301.2 \rightarrow 302$ $6.317$ 6.403         50457         11075         309.1 $\sim 205$		~ · · · · · · ·	275.2 -> 171		37478	49.96	1	19.83	40117	6.063	8/13/2018 2:52 PM	272.2 -> 171	Dextromethorphan
RT         Resp.         S/N         Transition         S/N         Area         Name         Transition         RI         Francision         RI         Resp.         S/N         Transition         S/N         Area         Name         Transition         RI         F           5.045         935         Infinity $328.2 \rightarrow 211.$ 13.30         1305 $6.MAM-D6$ $334.2 \rightarrow 165$ $5.055$ $5.591$ $29685$ $438.36$ $286.1 \rightarrow 222$ $29.00$ $20211$ $7.Aminoclonazepam-D4$ $290.1 \rightarrow 121$ $5.590$ $6.5318$ $5263$ $20.62$ $325.1 \rightarrow 215$ $8.42$ $32.39$ $a-hydroxycodone-D3$ $305.2 \rightarrow 287$ $5.037$ $6.518$ $5263$ $20.62$ $325.1 \rightarrow 215$ $8.42$ $32.39$ $a-hydroxycodone-D3$ $305.2 \rightarrow 287$ $5.037$ $6.518$ $52637$ $11075$ $306.1 \rightarrow 277.1$ $22.82$ $26333$ $alpha-PVP-d8$ $240.2 \rightarrow 91.1$ $5.598$ $314.1 \rightarrow 286$ $6.402$ $314.1 \rightarrow 286$ $6.402$ $314.1 \rightarrow 286$ $6.402$ $314.1 \rightarrow 286$ $6.402$ $5.761$		njuaun	279.2 -> 215		22367	57.20	276.2 ->	357.61	86258	6.267	8/13/2018 2:52 PM	276.2 -> 214	Cyclobenzaprine
RT         Resp.         S/N         Transition         S/N         Area         Name         Transition         RT         Resp.         S/N         Transition         RI         Area         Name         Transition         RT         R         R         Transition         RT         R         Name         Transition         RT         F           5.055         935         Infinity         328.2 -> 211         13.30         1305         6-MAM-D6         334.2 -> 165         5.055         5.591         296.85         438.36         286.1 -> 222         29.00         20211         7-Aminoclonazepam-D4         290.1 -> 121         5.590         1         5.591         296.2 -> 171         5.385         5.037 <t< td=""><td>1</td><td></td><td>306.2 -&gt; 218</td><td></td><td>4964</td><td>4.90</td><td>300.2 -&gt;</td><td>47.32</td><td>6425</td><td>4.938</td><td>8/13/2018 2:52 PM</td><td>300.2 -&gt; 215</td><td>Codeine</td></t<>	1		306.2 -> 218		4964	4.90	300.2 ->	47.32	6425	4.938	8/13/2018 2:52 PM	300.2 -> 215	Codeine
RT         Resp.         S/N         Transition         S/N         Area         Name         Transition         RT         Resp.         S/N         Transition         S/N         Area         Name         Transition         RT         RT         Resp.         S/N         Transition         RT         Resp.         S/N         Transition         RT         R         Name         Transition         RT         F           5.055         935         Infinity         328.2 -> 211         13.30         1305         6-MAM-D6         334.2 -> 165         5.055         5.055         5.055         1252.90         290.1 -> 105         45.07         10370         Benzoylecgonine-D8         298.2 -> 171         5.385         5.391         296.1 -> 205         5.037         11.83         15089         Noroxycodone-D3         305.2 -> 287         5.037		~~~~~	320.1 -> 217		4069	39.41	316.1 ->	2365.95	16452	6.279	8/13/2018 2:52 PM	316.1 -> 269	Clonazepam
RT         Resp.         S/N         Transition         S/N         Area         Name         Transition         RT           5.055         935         Infinity         328.2 -> 211         13.30         1305         6-MAM-D6         334.2 -> 165         5.055           5.591         29685         438.36         286.1 -> 222         29.00         20211         7-Aminoclonazepam-D4         290.1 -> 121         5.390           5.532         16853         137.31         268.2 -> 56.3         11.83         15089         Noroxycodone-D3         305.2 -> 287         5.037           6.318         5263         20.62         325.1 -> 215         8.42         3239         a-hydroxyalprazolam-D5         330.1 -> 302         6.317           5.599         67531         96.19         232.2 -> 77.1         22.82         26333         alpha-PVP-d8         240.2 -> 91.1         5.598           6.403         50457         11075         309.1 -> 205         297.42         52946         Alprazolam-D5         314.1 -> 286         6.402           4.992         49710         19.15         136.1 -> 119         237.4         25494         Alprazolam-D5         314.1 -> 286         6.402           5.629			331.2 -> 109		35960	4865.25	325.2 ->	67.51	154650	6.053	8/13/2018 2:52 PM	325.2 -> 109	Citalopram
RT         Resp.         S/N         Transition         S/N         Area         Name         Transition         RT           5.055         935         Infinity         328.2 -> 211         13.30         1305         6-MAM-D6         334.2 -> 165         5.055           5.591         29685         438.36         286.1 -> 222         29.00         20211         7-Aminoclonazepam-D4         290.1 -> 121         5.390           5.532         16853         137.31         268.2 -> 56.3         11.83         15089         Norxyccodone-D3         298.2 -> 171         5.385           6.318         5263         20.62         325.1 -> 215         8.42         3239         a-hydroxyalprazolam-D5         330.1 -> 302         6.317           5.599         67531         96.19         232.2 -> 77.1         22.82         26333         alpha-PVP-d8         240.2 -> 91.1         5.598           6.403         50457         11075         309.1 -> 205         297.42         52946         Alprazolam-D5         314.1 -> 286         6.402           4.992         49710         19.15         136.1 -> 119         2542         Amphetamine-D11         147.2 -> 130         4.931           4.922         49710 <td></td> <td></td> <td>268.2 -&gt; 183</td> <td>1</td> <td>63951</td> <td>59.67</td> <td></td> <td>213.03</td> <td>50267</td> <td>6.086</td> <td>8/13/2018 2:52 PM</td> <td>261.2 -&gt; 176</td> <td>Carisoprodol</td>			268.2 -> 183	1	63951	59.67		213.03	50267	6.086	8/13/2018 2:52 PM	261.2 -> 176	Carisoprodol
RT         Resp.         S/N         Transition         S/N         Area         Name         Transition         RT         F           5.055         935         Infinity         328.2 -> 211         13.30         1305         6-MAM-D6         334.2 -> 165         5.055         5.591         29685         438.36         286.1 -> 222         29.00         20211         7-Aminoclonazepam-D4         290.1 -> 121         5.390         1           5.406         17025         1252.90         290.1 -> 105         45.07         10370         Benzoylecgonine-D8         298.2 -> 171         5.385         6.318           5.532         16853         137.31         268.2 -> 56.3         11.83         15089         Noroxycodone-D3         305.2 -> 287         5.037           6.318         5263         20.62         325.1 -> 215         8.42         3239         a-hydroxyalprazolam-D5         330.1 -> 302         6.317           5.599         67531         96.19         232.2 -> 77.1         22.82         26333         alpha-PVP-d8         240.2 -> 91.1         5.598         3           4.992         49710         19.15         136.1 -> 119         297.42         52946         Alprazolam-D5         314.1 -> 286			249.2 -> 185	1	14746	376.81	(uumme	232.18	31161	5.761	8/13/2018 2:52 PM	240.1 -> 184	Bupropion
RT         Resp.         S/N         Transition         S/N         Area         Name         Transition         RT         F           5.055         935         Infinity         328.2 -> 211         13.30         1305         6-MAM-D6         334.2 -> 165         5.055         5.591         29685         438.36         286.1 -> 222         29.00         20211         7-Aminoclonazepam-D4         290.1 -> 121         5.390         1           5.406         17025         1252.90         290.1 -> 105         45.07         10370         Benzoylecgonine-D8         298.2 -> 171         5.385         5.332         16853         137.31         268.2 -> 56.3         11.83         15089         Noroxycodone-D3         305.2 -> 287         5.037           6.318         5263         20.62         325.1 -> 215         8.42         3239         a-hydroxyalprazolam-D5         330.1 -> 302         6.317         5.598         6.403         50457         11075         309.1 -> 205         297.42         52946         Alprazolam-D5         314.1 -> 286         6.402         2         4.992         49710         19.15         136.1 -> 119         331         25494         Amphetamine-D11         147.2 -> 130         4.931	1		307.2 -> 185		26462	62.54	304.2 ->	375.86	113356	5.629	8/13/2018 2:52 PM	304.2 -> 182	Cocaine
RT         Resp.         S/N         Transition         S/N         Area         Name         Transition         RT         F           5.055         935         Infinity         328.2 -> 211         13.30         1305         6-MAM-D6         334.2 -> 165         5.055         5.591         29685         438.36         286.1 -> 222         29.00         20211         7-Aminoclonazepam-D4         290.1 -> 121         5.590         1           5.406         17025         1252.90         290.1 -> 105         45.07         10370         Benzoylecgonine-D8         298.2 -> 171         5.385         5.385         5.532         16853         137.31         268.2 -> 56.3         11.83         15089         Noroxycodone-D3         305.2 -> 287         5.037         5.037           6.318         5263         20.62         325.1 -> 215         8.42         3239         a-hydroxyalprazolam-D5         330.1 -> 302         6.317         5.598         6.403         50457         11075         309.1 -> 205         297.42         52946         Alprazolam-D5         314.1 -> 286         6.402         2			147.2 -> 130		25494	3.31	136.1 ->	19.15	49710	4.992	8/13/2018 2:52 PM	136.1 -> 91.1	Amphetamine
RT         Resp.         S/N         Transition         S/N         Area         Name         Transition         RT         F           5.055         935         Infinity         328.2 -> 211         13.30         1305         6-MAM-D6         334.2 -> 165         5.055         5.591         29685         438.36         286.1 -> 222         29.00         20211         7-Aminoclonazepam-D4         290.1 -> 121         5.590         1           5.5406         17025         1252.90         290.1 -> 105         45.07         10370         Benzoylecgonine-D8         298.2 -> 171         5.385         5.385         5.532         16853         137.31         268.2 -> 56.3         11.83         15089         Noroxycodone-D3         305.2 -> 287         5.037         5.037           6.318         5263         20.62         325.1 -> 215         8.42         3239         a-hydroxyalprazolam-D5         330.1 -> 302         6.317         5.598         6.313         240.2 -> 91.1         5.598         5.598         240.2 -> 91.1         5.598         3	1		314.1 -> 286		52946	297.42		11075	50457	6.403	8/13/2018 2:52 PM	309.1 -> 281	Alprazolam
RT         Resp.         S/N         Transition         S/N         Area         Name         Transition         RT         F           5.055         935         Infinity         328.2 -> 211         13.00         1305         6-MAM-D6         334.2 -> 165         5.055         5.591         29685         438.36         286.1 -> 222         29.00         20211         7-Aminoclonazepam-D4         290.1 -> 121         5.590         1           5.406         17025         1252.90         290.1 -> 105         45.07         10370         Benzoylecgonine-D8         298.2 -> 171         5.385         5.385         5.332         16853         137.31         268.2 -> 56.3         11.83         15089         Noroxycodone-D3         305.2 -> 287         5.037         5.037           6.318         5263         20.62         325.1 -> 215         8.42         3239         a-hydroxyalprazolam-D5         330.1 -> 302         6.317	1		240.2 -> 91.1		26333	22.82	1	96.19	67531	5.599	8/13/2018 2:52 PM	232.2 -> 91.0	alpha-PVP
RT         Resp.         S/N         Transition         S/N         Area         Name         Transition         RT         F           5.055         935         Infinity         328.2 -> 211         13.30         1305         6-MAM-D6         334.2 -> 165         5.055         5.591         29685         438.36         286.1 -> 222         29.00         20211         7-Aminoclonazepam-D4         290.1 -> 121         5.590         1           5.406         17025         1252.90         290.1 -> 105         45.07         10370         Benzoylecgonine-D8         298.2 -> 171         5.385         5.037			330.1 -> 302		3239	8.42	325.1 ->	20.62	5263	6.318	8/13/2018 2:52 PM	325.1 -> 297	a-hydroxyalprazolam
RT         Resp.         S/N         Transition         S/N         Area         Name         Transition         RT         F           5.055         935         Infinity         328.2 -> 211         13.30         1305         6-MAM-D6         334.2 -> 165         5.055         5.591         29685         438.36         286.1 -> 222         29.00         20211         7-Aminoclonazepam-D4         290.1 -> 121         5.390         1           5.406         17025         1252.90         290.1 -> 105         45.07         10370         Benzoylecgonine-D8         298.2 -> 171         5.385 <td></td> <td>-</td> <td>305.2 -&gt; 287</td> <td></td> <td>15089</td> <td>11.83</td> <td>268.2</td> <td></td> <td>16853</td> <td>5.532</td> <td>8/13/2018 2:52 PM</td> <td></td> <td>Metoprolol</td>		-	305.2 -> 287		15089	11.83	268.2		16853	5.532	8/13/2018 2:52 PM		Metoprolol
RT         Resp.         S/N         Transition         S/N         Area         Name         Transition         RT         F           5.055         935         Infinity         328.2 -> 211         13.30         1305         6-MAM-D6         334.2 -> 165         5.055         5.591         29685         438.36         286.1 -> 222         29.00         20211         7-Aminoclonazepam-D4         290.1 -> 121         5.590         1			298.2 -> 171	1	10370	45.07	290.1 ->	1252.90	17025	5.406	8/13/2018 2:52 PM	290.1 -> 168	Benzoylecgonine
RT         Resp.         S/N         Transition         S/N         Area         Name         Transition         RT         F           5.055         935         Infinity         328.2 -> 211         13.30         1305         6-MAM-D6         334.2 -> 165         5.055         5.055	1		290.1 -> 121	1	20211	29.00	1	438.36	29685	5.591	8/13/2018 2:52 PM	286.1 -> 121	7-aminoclonazepam
RT     Resp.     S/N     Transition     S/N     Area     Name     Transition     RT		-	334.2 -> 165_		1305	13.30	328.2 ->	Infinity	935	5.055	8/13/2018 2:52 PM	328.2 -> 165	6-MAM
	Resp	RT	Transition	Name	Area	S/N	Transition	S/N	Resp.	RT	Acq. Date-Time	Transition	Name
					Neonio	Qualifier 1		SUIRS		p1	picali-za	)0d	Compound Method

Compound Method	Name	Phentermine	Promethazine	Quetiapine	Sertraline	Temazepam	Tramadol	Trazodone	Venlafaxine	Zolpidem
nod	Transition	150.1 -> 65.2	285.1 -> 86.2	384.2 -> 253	306.1 -> 158	301.1 -> 255	264.2 -> 58.3	372.2 -> 176	278.2 -> 58.3	308.2 -> 235
p1 cal 1-2a	Acq. Date-Time	8/13/2018 2:52 PM	8/13/2018 2:52 PM	384.2 -> 253 8/13/2018 2:52 PM	306.1 -> 158 8/13/2018 2:52 PM	301.1 -> 255 8/13/2018 2:52 PM	8/13/2018 2:52 PM	372.2 -> 176 8/13/2018 2:52 PM	8/13/2018 2:52 PM	308.2 -> 235 8/13/2018 2:52 PM
p1	RT	5.234	6.264	6.234	6.446	6.467	5.492	6.499	5.797	6.057
p1 cal 1-2a Results	Resp.	16281	284501	186715	53204	76736	205799	112471	220307	147056
esults	S/N	Infinity	513.19	766.68	178.62	147.09	72.33	.6.68	105.03	519.05
Qualifier 1 M	Transition	Infinity 150.1 -> 133	513.19 285.1 -> 71.3	766.68 384.2 -> 221	178.62 306.1 -> 275	147.09 301.1 -> 283	72.33 264.2 -> 43.3	89.91 372.2 -> 148	105.03 278.2 -> 260	519.05 308.2 -> 263
Qualifier 1 Results	S/N	Infinity	30.38	16130	5832.46	23.14	9.94	132.75	46.58	7482.26
Results	Area	301		97696		24123	10073			1000000
ISTD Method	Name	301 Phentermine-D5	61744 Promethazine-D3	97696 Quetiapine-D8	54960 Sertraline-D3	24123 Temazepam-D5	10073 Tramadol-13C-D3	1018 Trazodone-D6	41298 Venlafaxine-D6	56102 Zolpidem-D6
hod	Transition	155.2 -> 96.2	288.2 -> 89.2	392.2 -> 226	309.1 -> 275 6.445	306.1 -> 260	268.2 -> 58.3	378.2 -> 182	284.2 -> 64.3	314.2 -> 235 6.035
ISTD	RT	5.213	6.264	. 6.213	6.445	. 6.446	5.491	6.438	5.796	6.035
ISTD Results	Resp.	175250	15738.	260338	295244	41010	11498.	486020	10991.	840114

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4.431 184672	305.2 -> 287	Oxymorphone-D3		302 1 -> 227				8/13/2018 1-44 PM	1 1 200	Or a manual hand
5.035 186421	322.2 -> 304	Oxycodone-D6		316.2 -> 241			M	8/13/2018 1:44 PM	316.2 -> 298	Oxycodone
6.304 132987	292.1 -> 246	Oxazepam-D5		287.1 -> 268			Ř	8/13/2018 1:44 PM	287.1 -> 240	Oxazepam
5.007 753596	-> 64.3	O-desmethyl-tramadol		250.2 -> 42.3			Ň	8/13/2018 1:44 PM	250.2 -> 58.3	O-desmethyl-tramadol
5.017 84499	305.2 -> 287	Noroxycodone-D3		302.1 -> 186			Ň	8/13/2018 1:44 PM	302.1 -> 284	Noroxycodone
5.102 38282	289.2 -> 202	Norhydrocodone-D3		286.2 -> 171			Ň	8/13/2018 1:44 PM	286.2 -> 199	Norhydrocodone
5.373 583617	238.2 -> 84.2	Norfentanyl-D5		233.2 -> 55.3			Ň	8/13/2018 1:44 PM	233.2 -> 84.2	Norfentanyl
6.451 80351	276.1 -> 140	Nordiazepam-D5		271.1 -> 208			Š	8/13/2018 1:44 PM	271.1 -> 140	Nordiazepam
5.866 25119	417.3 -> 101	Norbuprenorphine-D3		414.3 -> 57.3			Ň	8/13/2018 1:44 PM	414.3 -> 101	Norbuprenorphine
4.357	292.2 -> 152	Morphine-D6		286.2 -> 165			Ň	8/13/2018 1:44 PM	286.2 -> 201	Morphine
5.112 78631	161.2 -> 97.1	Methamphetamine-D11	1.79 13884	150.1 -> 119	2.04	5.153 34302		8/13/2018 1:44 PM	150.1 -> 91.1	Methamphetamine
6.218 902826	319.3 -> 268	Methadone-D9		310.2 -> 105			Š	8/13/2018 1:44 PM	310.2 -> 265	Methadone
5.640 126670	226.2 -> 165	Meprobamate-D7		219.1 -> 97.1			Ň	8/13/2018 1:44 PM	219.1 -> 158	Meprobamate
5.491 965807	268.2 -> 58.3	Tramadol-13C-D3		399.2 -> 174			Ň	8/13/2018 1:44 PM	399.2 -> 238	Mitragynine
5.491 965807	268.2 -> 58.3	Tramadol-13C-D3		266.2 -> 72.3			Š	8/13/2018 1:44 PM	266.2 -> 195	Mirtazapine
5.474 223786	242.1 -> 129	Ketamine-D4		238.1 -> 220			Ň	8/13/2018 1:44 PM	238.1 -> 125	Ketamine
4.597 51318	292.2 -> 185	Hydromorphone-D6		286.2 -> 157			Ň	8/13/2018 1:44 PM	286.2 -> 184	Hydromorphone
5.138 133832	306.2 -> 202	Hydrocodone-D6		300.2 -> 128			Ž	8/13/2018 1:44 PM	300.2 -> 198	Hydrocodone
6.198 10278	316.2 -> 44.3	Fluoxetine-D6		310.1 -> 148			Š	8/13/2018 1:44 PM	310.1 -> 44.3	Fluoxetine
6.032 910542	342.3 -> 105	Fentanyl-D5		337.2 -> 188			Ň	8/13/2018 1:44 PM	337.2 -> 105	Fentanyl
	282.2 -> 235	EDDP-D3		v			Š	8/13/2018 1:44 PM	279.2 -> 235	EDDP
5.674 902639	276.2 -> 187	Doxylamine-D5		271.2 -> 167			Ň	8/13/2018 1:44 PM	271.2 -> 182	Doxylamine
5.985 10655	259.2 -> 167	Diphenhydramine-D3		256.2 -> 152			Ň	8/13/2018 1:44 PM	256.2 -> 167	Diphenhydramine
4.854 85958	308.2 -> 202	Dihydrocodeine-D6	aab - 1377 A	302.2 -> 128			Ň	8/13/2018 1:44 PM	302.2 -> 198	Dihydrocodeine
6.589 158825	290.1 -> 198	Diazepam-D5		285.1 -> 153			Ň	8/13/2018 1:44 PM	285.1 -> 193	Diazepam
5.493 189462		Dextrorphan-D3	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	258.2 -> 133			Ň	8/13/2018 1:44 PM	258.2 -> 157	Dextrorphan
6.043 188560	275.2 -> 171	Dextromethorphan-D3		272.2 -> 147			Ň	8/13/2018 1:44 PM	272.2 -> 171	Dextromethorphan
6.245 397060	279.2 -> 215	Cyclobenzaprine-D3		276.2 -> 231			Ň	8/13/2018 1:44 PM	276.2 -> 214	Cyclobenzaprine
4.914 23687	306.2 -> 218	Codeine-D6		300.2 -> 165			Ň	8/13/2018 1:44 PM	300.2 -> 215	Codeine
6.258 28892	320.1 -> 217	Clonazepam-D4		316.1 -> 213			Š	8/13/2018 1:44 PM	316.1 -> 269	Clonazepam
6.032 722965	331.2 -> 109	Citalopram-D6		325.2 -> 262			Š	8/13/2018 1:44 PM	325.2 -> 109	Citalopram
6.064 330317	268.2 -> 183	Carisoprodol-D7		261.2 -> 55.3			M	8/13/2018 1:44 PM	261.2 -> 176	Carisoprodol
5.740 148612	249.2 -> 185	Bupropion-D9		240.1 -> 131			Å	8/13/2018 1:44 PM	240.1 -> 184	Bupropion
5.629 442108	307.2 -> 185	Cocaine-D3		304.2 -> 105			Ň	8/13/2018 1:44 PM	304.2 -> 182	Cocaine
4.951 66649	147.2 -> 130	Amphetamine-D11		136.1 -> 119	8.00	.053 8955	5	8/13/2018 1:44 PM	136.1 -> 91.1	Amphetamine
6.382 206584	314.1 -> 286	Alprazolam-D5		309.1 -> 205			Ň	8/13/2018 1:44 PM	309.1 -> 281	Alprazolam
5.577 323943	240.2 -> 91.1	alpha-PVP-d8		232.2 -> 77.1			M	8/13/2018 1:44 PM	232.2 -> 91.0	alpha-PVP
6.297 26470	330.1 -> 302	a-hydroxyalprazolam-D5		325.1 -> 215			X	8/13/2018 1:44 PM	325.1 -> 297	a-hydroxyalprazolam
5.017 84499	305.2 -> 287	Noroxycodone-D3		268.2 -> 56.3			X	8/13/2018 1:44 PM	268.2 -> 116	Metoprolol
5.385	298.2 -> 171	Benzoylecgonine-D8		290.1 -> 105			3	8/13/2018 1:44 PM	290.1 -> 168	Benzoylecgonine
5.590 122923		7-Aminoclonazepam-D4		286.1 -> 222			M	8/13/2018 1:44 PM	286.1 -> 121	7-aminoclonazepam
5.055 36543	334.2 -> 165	6-MAM-D6		328.2 -> 211_			M	8/13/2018 1:44 PM	328.2 -> 165	6-MAM
RT Resp.	Transition	Name	S/N Area	Transition	S/N	RT Resp.		Acq. Date-Time	Transition	Name
			Alteria and a strategy and					and the second	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	

Compound Method	Name	Phentermine 150.1 -> 65.2	Promethazine   285.1 -> 8	Quetiapine 384.2 -> 2		m				e
p1 negative control	on Acq. Date-Time	5.2 8/13/2018 1:44 PM	285.1 -> 86.2 8/13/2018 1:44 PM	384.2 -> 253 8/13/2018 1:44 PM	306.1 -> 158 8/13/2018 1:44 PM	301.1 -> 255 8/13/2018 1:44 PM	58.3 8/13/2018 1:44 PM		372.2 -> 176 8/13/2018 1:44 PM	372.2 -> 176 8/13/2018 1:44 PM 278.2 -> 58.3 8/13/2018 1:44 PM
p1 ne	RT								,,,,,,,,	6.042
gative con	Resp.								6705	
p1 negative control Results	S/N									
Qualifier 1 M_	Transition	150.1 -> 133	285.1 -> 71.3	384.2 -> 221	306.1 -> 275	301.1 -> 283	264.2 -> 43.3	372.2 -> 148	Infinity 278.2 -> 260	290 × C 802
Qualif	N/S									
Qualifier 1	Area									
ISTD Method	Name	Phentermine-D5	Promethazine-D3	Quetiapine-D8	Sertraline-D3	Temazepam-D5	Tramadol-13C-D3	Trazodone-D6	Venlafaxine-D6	Zolpidem-D6
hod	Transition	155.2 -> 96.2	288.2 -> 89.2	392.2 -> 226 6.193 24681	309.1 -> 275 6.424	306.1 -> 260 6.425	268.2 -> 58.3 5.491	378.2 -> 182 6.438	284.2 -> 64.3 5.796	314.2 -> 235 6.035 764918
ISTD	RT	5.213	6.243	6.193	6.424	6.425	5.491	6.438	5.796	6.035
ISTD Results	Resp.	5.213 217439	6.243 14843	246814	285444	411560	965807	445872	904580	764918

X



Oxymorphone 302.1 ->	Oxycodone 316.2	-	amadol		Norhydrocodone 286.2	Norfentanyl 233.2	Nordiazepam 271.	Norbuprenorphine 414.3	Morphine 286.2	Methamphetamine 150.	Methadone 310.2 ->	ite	Mitragynine 399.2	Mirtazapine 266.		Hydromorphone 286.2	one	Fluoxetine 310.1 ->	Fentanyl 337.2 ->	EDDP 279.2	Doxylamine 271.2	Diphenhydramine 256.2	Dihydrocodeine 302.	Diazepam 285.1 ->	Dextrorphan 258.2	Dextromethorphan 272.2	Cyclobenzaprine 276.2	Codeine 300.2	m	Citalopram 325.2 ->	Carisoprodol 261.2	n		Amphetamine 136.	Alprazolam 309.1 ->		alprazolam			7-aminoclonazepam 286.1 ->	6-MAM 328.2	
284	-> 298	287.1 -> 240 8	250.2 -> 58.3 8	302.1 -> 284 8	-> 199	-> 84.2	271.1 -> 140 8	-> 101	-> 201	150.1 -> 91.1 8	265	219.1 -> 158 8	-> 238	266.2 -> 195 8	238.1 -> 125 8	-> 184	198	44.3	105	-> 235	-> 182	-> 167	302.2 -> 198 8	193	-> 157	-> 171	-> 214	-> 215	269	109	-> 176	-> 184	-> 182	136.1 -> 91.1 8	281	232.2 -> 91.0 8	325.1 -> 297 8	268.2 -> 116 8	290.1 -> 168 8	121	-> 165	Transition
8/13/2018 2:04 PM	8/13/2018 2:04 PM	8/13/2018 2:04 PM	8/13/2018 2:04 PM	8/13/2018 2:04 PM	8/13/2018 2:04 PM	8/13/2018 2:04 PM	8/13/2018 2:04 PM	8/13/2018 2:04 PM	8/13/2018 2:04 PM	8/13/2018 2:04 PM	8/13/2018 2:04 PM	8/13/2018 2:04 PM	8/13/2018 2:04 PM	8/13/2018 2:04 PM	8/13/2018 2:04 PM	8/13/2018 2:04 PM	8/13/2018 2:04 PM	8/13/2018 2:04 PM	8/13/2018 2:04 PM	8/13/2018 2:04 PM	8/13/2018 2:04 PM	8/13/2018 2:04 PM	8/13/2018 2:04 PM	8/13/2018 2:04 PM	8/13/2018 2:04 PM	8/13/2018 2:04 PM	8/13/2018 2:04 PM	8/13/2018 2:04 PM	8/13/2018 2:04 PM	8/13/2018 2:04 PM	8/13/2018 2:04 PM	8/13/2018 2:04 PM	8/13/2018 2:04 PM	8/13/2018 2:04 PM	8/13/2018 2:04 PM	8/13/2018 2:04 PM	8/13/2018 2:04 PM	8/13/2018 2:04 PM	8/13/2018 2:04 PM	8/13/2018 2:04 PM	8/13/2018 2:04 PM	Acq. Date-Time
										5.173						4.598	5.161											5,161						5.073								RT
										49087						106582	154066											4279						20326								Resp.
										8.09						255.56	Infinity											498.45						6.27								S/N
302.1 -> 227	316.2 -> 241	287.1 -> 268	250.2 -> 42.3	302.1 -> 186	286.2 -> 171	233.2 -> 55.3	271.1 -> 208	414.3 -> 57.3	286.2 -> 165	150.1 -> 119	310.2 -> 105	219.1 -> 97.1	399.2 -> 174	266.2 -> 72.3	238.1 -> 220	286.2 -> 157		310.1 -> 148	337.2 -> 188	279.2 -> 250	۷	\v	302.2 -> 128	285.1 -> 153	V	272.2 -> 147	276.2 -> 231	300.2 -> 165	V	325.2 -> 262	261.2 -> 55.3	v I		136.1 -> 119	309.1 -> 205	232.2 -> 77.1	325.1 -> 215	268.2 -> 56.3	290.1 -> 105	286.1 -> 222	328.2 -> 211	Transition
										Infinity						Infinity	Infinity							1107000				22.12														S/N
										17993						75062	66828											15773														Area
Oxymorphone-D3	Oxycodone-D6	Oxazepam-D5	O-desmethyl-tramadol	Noroxycodone-D3	Norhydrocodone-D3	Norfentanyl-D5	Nordiazepam-D5	Norbuprenorphine-D3	Morphine-D6	17993 Methamphetamine-D11	Methadone-D9	Meprobamate-D7	Tramadol-13C-D3	Tramadol-13C-D3	Ketamine-D4	Hydromorphone-D6	12.21	Fluoxetine-D6	Fentanyl-D5	EDDP-D3	Doxylamine-D5	Diphenhydramine-D3	Dihydrocodeine-D6	Diazepam-D5	Dextrorphan-D3	Dextromethorphan-D3			Clonazepam-D4	Citalopram-D6	Carisoprodol-D7	Bupropion-D9	Cocaine-D3	Amphetamine-D11	Alprazolam-D5	alpha-PVP-d8	a-hydroxyalprazolam-D5	Noroxycodone-D3	Benzoylecgonine-D8	7-Aminoclonazepam-D4	6-MAM-D6	Name
305.2 -> 287	322.2 -> 304	292.1 -> 246	256.2 -> 64.3	305.2 -> 287	289.2 -> 202	238.2 -> 84.2	276.1 -> 140	417.3 -> 101	292.2 -> 152	161.2 -> 97.1	319.3 -> 268	226.2 -> 165	268.2 -> 58.3	268.2 -> 58.3	242.1 -> 129	292.2 -> 185	306.2 -> 202	316.2 -> 44.3	342.3 -> 105	282.2 -> 235	276.2 -> 187	259.2 -> 167	308.2 -> 202	290.1 -> 198	261.2 -> 157	275.2 -> 171	279.2 -> 215	306.2 -> 218	320.1 -> 217	331.2 -> 109	v I	249.2 -> 185	307.2 -> 185	147.2 -> 130	314.1 -> 286	240.2 -> 91.1	330.1 -> 302	305.2 -> 287	298.2 -> 171	290.1 -> 121	334.2 -> 165	Transition
4.431	5.035	6.304	5.007	5.017	5.123	5.394	6.471	5.887	4.357	5.112	6.238	5.640	5.491	5.491	5.474	4.577	5.138	6.198	6.032	6.021	5.674	5.985	4.874	6.609	5.493	6.063	6.266	4.914	6.279	6.053	6.084	5.740	5.629	4.951	6.382	5.598	6.317	5.017	5.405	5.590	5.055	꼭
162109	171317	121462	691510	71016	34898	522616	73616	23076	1120	348797	800177	106751	885932	885932	239865	50501	120692	943586	790371	60598	804749	10342	80604	161137	164750	173070	359443	26406	27941	621266	309806	367234	414040	132674	183682	411343	24279	71016	4195	91574	31120	Resp.

pound Method						m		(D		ne	Zolpidem 308	
Transition	Transition	150.1 -> 65.2	285.1 -> 86.2	·			······		1.	278.2 -> 58.3	308.2 -> 235	
p1 external control	Acq. Date-Time	8/13/2018 2:04 PM	8/13/2018 2.04 PM	8/13/2018 2-04 PM	8/13/2018 2·04 PM	8/13/2018 2:04 PM	8/13/2018 2:04 DM	2/12/2010 2.04 F IVI	Nd 50:2 81 02/21	8/13/2018 2:04 PM	8/13/2018 2:04 PM	
p1 exte	RT				ה אטב	0.420				6,062		
p1 external control Resul	Resp.	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1			170110	4/3416				6300	0044	}
ol Resul	S/N				1000	1269					0.03	
Qualifier 1 M			150.1 -> 133	285.1 -> 71.3	384.2 -> 221	306.1 -> 275	301.1 -> 283	264.2 -> 43.3	372.2 -> 148	070 2 2 140	002 <- 2.072	300.2 -> 263
Qualifier	SIN	NIC				48352						
Qualifier 1 Results	Amo	Area				4412						
ISTD Method		Name	Phentermine-D5	Promethazine-D3	Quetiapine-D8	Sertraline-D3	Temazepam-D5	Tramadol-13C-D3		Trazodone-D6	Venlafaxine-D6	Johnidom Jo
bor		Transition	155.2 -> 96.2	288.2 -> 89.2	392.2 -> 226			JRO J / FO J	208.2 -> 58.3	378.2 -> 182	284.2 -> 64.3	314.2 -> 235
ISTD Results	ISTD Results	RT Resp.		T				1	5.491 885932		T	

Compound Method	hor	p1 cal 1-2a	p1	cal 1-2a Results	sults	Qualifier 1 M	Qualifier 1 Results	Results	ISTD Method		ISTD F	ISTD Results
Name	Transition	Acq. Date-Time	RT	Resp.	N/S	Transition	S/N	Area	Name	Transition	RT	Resp.
6-MAM	328.2 -> 165	8/13/2018 1:25 PM	5.116	604	Infinity	328.2 -> 211	Infinity	352	352 6-MAM-D6	334.2 -> 165	5.055	29732
7-aminoclonazepam	V	8/13/2018 1:25 PM	5.612	23285	113.40	286.1 -> 222	240.76		7-Aminoclonazepam-D4	290.1 -> 121	5.590	118152
Benzoylecgonine	290.1 -> 168	8/13/2018 1:25 PM	5.426	10767	47.10	290.1 -> 105	118.62	7645	Benzoylecgonine-D8	298.2 -> 171	5.405	3583
Metoprolol	268.2 -> 116	8/13/2018 1:25 PM	5.553	11984	63.28	268.2 -> 56.3	5.48	8871	8871 Noroxycodone-D3	305.2 -> 287	5.037	68737
a-hydroxyalprazolam	V V	8/13/2018 1:25 PM	6.318	4847	29.59	325.1 -> 215	9.93	3156	a-hydroxyalprazolam-D5	330.1 -> 302	6.297	24241
alpha-PVP	232.2 -> 91.0	8/13/2018 1:25 PM	5.619	50098	125.83	232.2 -> 77.1	20.09	17662	alpha-PVP-d8		5.598	267263
Alprazolam	309.1 -> 281	8/13/2018 1:25 PM	6.383	39783	183.41	309.1 -> 205	10233	41858	Alprazolam-D5		6.382	175576
Amphetamine	136.1 -> 91.1	8/13/2018 1:25 PM	4.992	37590	27.95	136.1 -> 119	16.78	18488	Amphetamine-D11	147.2 -> 130	4.951	43334
Cocaine	304.2 -> 182	8/13/2018 1:25 PM	5.629	83520	49.93	304.2 -> 105	33.64	22066	Cocaine-D3	307.2 -> 185	5.629	404536
Bupropion	240.1 -> 184	8/13/2018 1:25 PM	5.761	20257	23.86	240.1 -> 131	14.40	11369	Bupropion-D9	249.2 -> 185	5.740	101504
Carisoprodol	261.2 -> 176	8/13/2018 1:25 PM	6.065	40382	10662	261.2 -> 55.3	44.28	51696	Carisoprodol-D7	268.2 -> 183	6.064	289014
Citalopram	325.2 -> 109	8/13/2018 1:25 PM	6.053	133470	553.09	325.2 -> 262	360.48	27904	Citalopram-D6	331.2 -> 109	6.032	574225
Clonazepam	V	8/13/2018 1:25 PM	6.279	14108	204.22	1	119.38	5232	Clonazepam-D4	320.1 -> 217	6.258	25604
Codeine	300.2 -> 215	8/13/2018 1:25 PM	4.938	5495	15.99	300.2 -> 165	5.16	3740	Codeine-D6	306.2 -> 218	4.935	23957
Cyclobenzaprine	V	8/13/2018 1:25 PM	6.246	70273	128.35	276.2 -> 231	49.04	21213	Cyclobenzaprine-D3	279.2 -> 215	6.245	367008
Dextromethorphan	272.2 -> 171	8/13/2018 1:25 PM	6.043	32492	5794.93	272.2 -> 147	154.36	27328	Dextromethorphan-D3	275.2 -> 171	6.043	165431
Dextrorphan	258.2 -> 157	8/13/2018 1:25 PM	5.493	28810	78.84	258.2 -> 133	409.64	17249	Dextrorphan-D3	261.2 -> 157	5.493	167340
Diazepam	285.1 -> 193	8/13/2018 1:25 PM	6.610	35335	52.73	285.1 -> 153	140.22	25069	Diazepam-D5	290.1 -> 198	6.589	156006
Dihydrocodeine	302.2 -> 198	8/13/2018 1:25 PM	4.896	13278	10.78	302.2 -> 128	57.22	10933	Dihydrocodeine-D6	308.2 -> 202	4.874	75675
Diphenhydramine	256.2 -> 167	8/13/2018 1:25 PM	5.985	154959	166.88	256.2 -> 152	120.84	43273	43273 Diphenhydramine-D3	259.2 -> 167	5.985	963762
Doxylamine		8/13/2018 1:25 PM	5.675	154036	64.13	271.2 ->	26.03	1062	Doxylamine-D5	276.2 -> 187	5.674	794866
EDDP	279.2 -> 235	8/13/2018 1:25 PM	6.001	50667	283.34	279.2 -> 250	100.24	14170		282.2 -> 235	6.000	26750
Fentanyl	337.2 -> 105	8/13/2018 1:25 PM	6.052	14443	36.51	337.2 ->	9.94	7918	Fentanyl-D5	342.3 -> 105	6.032	836744
Fluoxetine	310.1 -> 44.3	8/13/2018 1:25 PM	6.199	183124	Infinity	310.1 -> 148	Infinity	5911	Fluoxetine-D6	316.2 -> 44.3	6.198	852510
Hydrocodone	300.2 -> 198	8/13/2018 1:25 PM	5.161	18261	Infinity	300.2 ->	23.53	7355		306.2 -> 202	5.138	117454
Hydromorphone	286.2 -> 184	8/13/2018 1:25 PM	4.618	10370	8.42	286.2 -> 157	33.34	8969	Hydromorphone-D6	292.2 -> 185	4.597	44251
Ketamine	238.1 -> 125	8/13/2018 1:25 PM	5.496	42244	460.79	238.1 -> 220	12.96	16332	1	242.1 -> 129	5.474	190971
Mirtazapine	266.2 -> 195	8/13/2018 1:25 PM	5.820	89106	29.92	266.2 -> 72.3	48.18	62172	Tramadol-13C-D3	268.2 -> 58.3	5.491	875851
Mitragynine	399.2 -> 238	8/13/2018 1:25 PM	6.091	15793	2309.62	399.2 -> 174	3803.55	34442	Tramadol-13C-D3	268.2 -> 58.3	5.491	875851
Meprobamate	219.1 -> 158	8/13/2018 1:25 PM	5.661	19717	142.96	219.1 -> 97.1	23.02	14958	Meprobamate-D7	226.2 -> 165	5.640	106984
Methadone	310.2 -> 265	8/13/2018 1:25 PM	6.219	137083	240.75	310.2 -> 105	338.23	1351	Methadone-D9	319.3 -> 268	6.218	794613
Methamphetamine	150.1 -> 91.1	8/13/2018 1:25 PM	5.153	53855	10.70	150.1 -> 119	4.86	14843	Methamphetamine-D11	161.2 -> 97.1	5.132	36652
Morphine	286.2 -> 201	8/13/2018 1:25 PM	4.378	2626	89.06	286.2 -> 165	Infinity	1203	Morphine-D6	292.2 -> 152	4.377	1844
Norbuprenorphine	414.3 -> 101	8/13/2018 1:25 PM	5.907	4832	8.04	414.3 -> 57.3	30.06	4299	Norbuprenorphine-D3	417.3 -> 101	5.866	21436
Nordiazepam	271.1 -> 140	8/13/2018 1:25 PM	6.472	21482	128.37	271.1 -> 208	6331.32	13828	Nordiazepam-D5	276.1 -> 140	6.451	73429
Norfentanyl	233.2 -> 84.2	8/13/2018 1:25 PM	5.395	104268	28630	233.2 ->	33.73	40608	Norfentanyl-D5	238.2 -> 84.2	5.394	498338
Norhydrocodone	286.2 -> 199	8/13/2018 1:25 PM	5.123	1696	8.83	286.2 -> 171	Infinity	397	Norhydrocodone-D3	289.2 -> 202	5.102	39267
Noroxycodone	302.1 -> 284	8/13/2018 1:25 PM	5.038	8092	Infinity	302.1 -> 186	Infinity	4905	Noroxycodone-D3	305.2 -> 287	5.037	68737
O-desmethyl-tramadol	250.2 -> 58.3	8/13/2018 1:25 PM	5.027	140037	287.15	250.2 -> 42.3	18.38	6593	O-desmethyl-tramadol	256.2 -> 64.3	5.007	689053
Oxazepam	287.1 -> 240	8/13/2018 1:25 PM	6.304	19774	52.86	287.1 ->	17.21	10765	10765 Oxazepam-D5	292.1 -> 246	6.304	120100
Oxycodone	316.2 -> 298	8/13/2018 1:25 PM	5.056	32167	895.27	316.2 -> 241	36.27	10473	10473 Oxycodone-D6	322.2 -> 304	5.035	173516
Oxymorphone	302.1 -> 284	8/13/2018 1:25 PM	4.453	31562	9.69	302.1 -> 227	76.20	8244	8244 Oxymorphone-D3	305.2 -> 287	4.431	186862
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Compound Method	nod	p1 cal 1-2a	p1	p1 cal 1-2a Results	sults	Qualifier 1 M Qu	Qualifier 1	ualifier 1 Results	ISTD Method	hod	
Name	Transition	Acq. Date-Time	RT	Resp.	S/N	Transition	N/S	Area	Name		Transition
Phentermine	150.1 -> 65.2	150.1 -> 65.2 8/13/2018 1:25 PM	5.254	10054	Infinity	Infinity 150.1 -> 133	Infinity	128	128 Phentermine-D5	155.	155.2 -> 96.2
Promethazine	285.1 -> 86.2	8/13/2018 1:25 PM	6.244	211338	438.79	438.79 285.1 -> 71.3	36.77	46217	36.77 46217 Promethazine-D3	288.	288.2 -> 89.2 6.243 1227524
Quetiapine	384.2 -> 253	384.2 -> 253 8/13/2018 1:25 PM	6.214	137324	487.80	487.80 384.2 -> 221	101.76	75119	75119 Quetiapine-D8	392.2	392.2 -> 226 6.193
Sertraline	306.1 -> 158	306.1 -> 158 8/13/2018 1:25 PM	6.425	46968	87.85	87.85 306.1 -> 275	95.93	43323	43323 Sertraline-D3	309.1	309.1 -> 275 6.424
Temazepam	301.1 -> 255	301.1 -> 255 8/13/2018 1:25 PM	6.446	61452	211.53	211.53 301.1 -> 283	17.39	20555	20555 Temazepam-D5	306.1	306.1 -> 260 6.425 335775
Tramadol	264.2 -> 58.3	264.2 -> 58.3 8/13/2018 1:25 PM	5.492	167555	121.74	121.74 264.2 -> 43.3	5.38		7803 Tramadol-13C-D3	268.2 -	268.2 -> 58.3 5.491
Trazodone	372.2 -> 176	372.2 -> 176 8/13/2018 1:25 PM	6.459	82923	195.17	195.17 372.2 -> 148	152.86	66138	152.86 66138 Trazodone-D6	378.2 -> 182 6.438	> 182
Venlafaxine	278.2 -> 58.3	278.2 -> 58.3 8/13/2018 1:25 PM	5.797	164045	93.96	93.96 278.2 -> 260	36.14	32929	32929 Venlafaxine-D6	284.2 -> 64.3	• 64.3 5.796
Zolpidem	308.2 -> 235	308.2 -> 235 8/13/2018 1:25 PM	6.037	129125	19920	19920 308.2 -> 263	116 37	41470	41470 Zolpidem-D6	314.2 -> 235 6.035	235

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229350	5.998	Zopiclone-D4	10003	13.01		389.1 -> 216	965.09	17272 9	5.998	8/13/2018 1:35 PM	389.1 -> 244	Zopicione
142418	6.186	Zaleplon-D4	24327	6791	Γ	306.1 -> 264	99.29	34670	6.207	8/13/2018 1:35 PM	306.1 -> 236	Zaleplon
643693	5.506		43755	8	Π	222.2 -> 121	8	112397	5.507	8/13/2018 1:35 PM	222.2 -> 107	Tapentadol
274694	4.784	Pseudoephedrine-D3	1064	74.60	T	166.1 -> 133	100.04	572295	4.784	8/13/2018 1:35 PM	166.1 -> 148	Pseudoephedrine
11521	6.012	2394 Phenytoin-D10	2394	37.19	٦	253.1 -> 182	8.14	2248	6.033	8/13/2018 1:35 PM	253.1 -> 104	Phenytoin
615751	5.891		77739	5.22	٦	244.2 -> 91.1	8	112355	5.892	8/13/2018 1:35 PM	244.2 -> 86.2	Phencyclidine
16906	6.405		33838	193.23	٦	349.0 -> 183	248.15	43801 2	6.405	8/13/2018 1:35 PM	349.0 -> 206	Phenazepam
272522	6.295		1412	8	<b>र</b> ्	264.2 -> 233	8 <b>र</b> ा	105617	6.296	8/13/2018 1:35 PM	264.2 -> 91.2	Nortriptyline
157605	5.742	7-aminoflunitrazepam-D7	10274	115.00	٦	284.1 -> 93.2	161.13	32150	5.763	8/13/2018 1:35 PM	284.1 -> 135	7-Aminoflunitrazepam
158281	5.647	34918 Normeperidine-D4	34918	118.69	٦	234.1 -> 160	445.76	48724 4	5.669	8/13/2018 1:35 PM	234.1 -> 42.3	Normeperidine
331255	6.468	18515 Midazolam-D4	18515	95.55	٦	326.1 -> 249	83.54	19659	6.468	8/13/2018 1:35 PM	326.1 -> 223	Midazolam
203441	5.645		53311	41.21		234.2 -> 56.3	1736	217887	5.587	8/13/2018 1:35 PM	234.2 -> 84.2	Methylphenidate
203441	5.645	Meperidine-D4	19818	146.20	٦	248.2 -> 174	8	40405	5.646	8/13/2018 1:35 PM	248.2 -> 220	Meperidine
46541	5.306	MDMA-D6	47540	8		194.1 -> 105	363.08	74771 3	5.306	8/13/2018 1:35 PM	194.1 -> 163	MDMA
375381	5.426	MDEA-D6	62381	8	٦	208.1 -> 105	8	74253	5.447	8/13/2018 1:35 PM	208.1 -> 163	MDEA
219265	5.186	24763   MDA-D5	24763	8		180.1 -> 105	88.76	38760	5.206	8/13/2018 1:35 PM	180.1 -> 163	MDA
357738	6.312	65486 Amitriptyline-D3	65486	8	٦	278.2 -> 117	8	161047	6.314	8/13/2018 1:35 PM	278.2 -> 91.2	Maprotiline
613978	6.221		25474	4.86		205.1 -> 178	42.04	30002	5.204	8/13/2018 1:35 PM	205.1 -> 91.2	Levamisole
790780	6.291	Imipramine-D3	1533	8	Π	281.2 -> 58.3	801.20	245513 8	6.292	8/13/2018 1:35 PM	281.2 -> 86.2	Imipramine
229350	5.998		22192	192.23	٦	388.2 -> 317	8	106756	6.080	8/13/2018 1:35 PM	388.2 -> 315	Flurazepam
7480	6.368		12323	3667	٦	314.1 -> 239	87.31	34731	6.368	8/13/2018 1:35 PM	314.1 -> 268	Flunitrazepam
202955	6.309	Estazolam-D5	34332	92.74		295.1 -> 205	8	38586	6.331	8/13/2018 1:35 PM	295.1 -> 267	Estazolam
450128	6.129		29666	_8		280.2 -> 77.2	67.10	75278	6.130	8/13/2018 1:35 PM	280.2 -> 107	Doxepin
912865	6.275		96672	26.14		267.2 -> 44.3	34.91	183313	6.275	8/13/2018 1:35 PM	267.2 -> 72.3	Desipramine
613978	6.221		12304	17.20		387.2 -> 111	182.04	15606	6.222	8/13/2018 1:35 PM	387.2 -> 238	Sufentanil
183695	6.492		10344	10.88	٦	300.1 -> 282	49.83	20567	6.492	8/13/2018 1:35 PM	300.1 -> 227	Chlordiazepoxide
1020825	6.095		1891	8	٦	237.1 -> 194	135.78	20390	6.097	8/13/2018 1:35 PM	237.1 -> 193	Carbamazepine
373922	4.977	AcetyInorfentanyI-D5	2202	1501	٦	219.1 -> 56.3	359.27	6646	4.978	8/13/2018 1:35 PM	219.1 -> 84.2	AcetyInorfentanyI
357738	6.312	58435 Amitriptyline-D3	58435	38.43		278.2 -> 105	8	161047	6.314	8/13/2018 1:35 PM	278.2 -> 91.2	Amitriptyline
271230	6.365		28034	31.72	٦	342.1 -> 203	52.90	46942	6.365	8/13/2018 1:35 PM	342.1 -> 324	alpha-hydroxymidazolam
775715	5.880	Acetylfentanyl-D5	12229	8	٦	323.2 -> 105	411.48	7262 4	5.881	8/13/2018 1:35 PM	323.2 -> 188	Acetylfentanyl
Resp.	RT	Name	Area	S/N	ĪN	Transition	S/N MI	Resp.	RT	Acq. Date-Time	Transition	Name
ISTD Results	ISTD	ISTD Method	esults	Qualifier 1 Results		Qualifier 1 M	sults	p2 cal 1-2b Results	p2	p2 cal 1-2b	Å	Compound Method

Name         Transition         Acq. Date-Time         RT         Resp.         S/N         M         Transition         MI         S/N         M         Transition         MI         Name         RT         Resp.           Acetylfentanyl $32.2 - 188.$ $8/13/2018 1:54 PM$ Image: Sinter and the
323.2 -> 188.       8/13/2018 1:54 PM       I       323.2 -> 105.       I       Acetylfentanyl-D5       5.880         342.1 -> 324.       8/13/2018 1:54 PM       I       342.1 -> 203       I       alpha-hydroxymidazolam       6.365         278.2 -> 91.2       8/13/2018 1:54 PM       I       278.2 -> 105       I       Amitriptyline-D3       6.312         219.1 -> 84.2       8/13/2018 1:54 PM       I       I       278.2 -> 105       I       Amitriptyline-D3       6.312         300.1 -> 227       8/13/2018 1:54 PM       I       I       237.1 -> 194       I       Acetylnorfentanyl-D5       4.957         300.1 -> 227       8/13/2018 1:54 PM       I       I       300.1 -> 282       I       Chlordiazepoxide-D5       6.492         387.2 -> 238       8/13/2018 1:54 PM       I       I       387.2 -> 111       I       Sufentanil-D5       6.241         267.2 -> 72.3       8/13/2018 1:54 PM       I       I       280.2 -> 77.2.       Doxepin-D3       6.275         280.2 -> 107       8/13/2018 1:54 PM       I       I       280.2 -> 77.2.       Doxepin-D3       6.275         295.1 -> 267       8/13/2018 1:54 PM       I       I       295.1 -> 205       Doxepin-D5
342.1 -> 324       8/13/2018       1:54 PM       1       342.1 -> 203       1       alpha-hydroxymidazolam       6.365         278.2 -> 91.2       8/13/2018       1:54 PM       1       278.2 -> 105       1       Amitripyline-D3       6.312         219.1 -> 84.2       8/13/2018       1:54 PM       1       219.1 -> 56.3       1       Acetylnorfentanyl-D5       4.957         237.1 -> 193       8/13/2018       1:54 PM       1       237.1 -> 194       1       Carbamazepine-13C6       6.095         300.1 -> 227       8/13/2018       1:54 PM       1       237.1 -> 194       1       Carbamazepine-13C6       6.095         387.2 -> 238       8/13/2018       1:54 PM       1       387.2 -> 111       1       Sufentanil-D5       6.492         267.2 -> 72.3       8/13/2018       1:54 PM       1       267.2 -> 77.2       1       Desipramine-D3       6.241         280.2 -> 107       8/13/2018       1:54 PM       1       280.2 -> 77.2       1       Desipramine-D3       6.275         295.1 -> 267       8/13/2018       1:54 PM       1       295.1 -> 205       Doxepin-D3       6.129         295.1 -> 268       8/13/2018       1:54 PM       1<
278.2 -> 91.2       8/13/2018 1:54 PM       Image: Constraint of the co
nyl         219.1 -> 84.2         8/13/2018         1:54 PM         []         219.1 -> 56.3         []         AcetyInorfentanyI-D5         4.957           ie         237.1 -> 193         8/13/2018         1:54 PM         []         237.1 -> 194         []         Carbamazepine-13C6         6.095           ide         300.1 -> 227         8/13/2018         1:54 PM         []         300.1 -> 282         []         Carbamazepine-13C6         6.095           387.2 -> 238         8/13/2018         1:54 PM         []         387.2 -> 111         []         Carbamine-D5         6.492           267.2 -> 72.3         8/13/2018         1:54 PM         []         267.2 -> 71.2.         8/13/2018         1:54 PM         []         280.2 -> 77.2.         []         Desipramine-D3         6.275           280.2 -> 107         8/13/2018         1:54 PM         []         280.2 -> 77.2.         []         Doxepin-D3         6.129           314.1 -> 268         8/13/2018         1:54 PM         []         []         295.1 -> 205         []         Estazolam-D5         6.309           314.1 -> 268         8/13/2018         1:54 PM         []         []         314.1 -> 239         []         Estazolam-D5         6.309
lee       237.1 -> 193       8/13/2018 1:54 PM       I       237.1 -> 194       Carbamazepine-13C6       6.095         ide       300.1 -> 227       8/13/2018 1:54 PM       I       300.1 -> 282       Chlordiazepoxide-D5       6.492         387.2 -> 238       8/13/2018 1:54 PM       I       387.2 -> 111       Sufentanil-D5       6.492         267.2 -> 72.3       8/13/2018 1:54 PM       I       267.2 -> 111       Desipramine-D3       6.241         280.2 -> 107       8/13/2018 1:54 PM       I       280.2 -> 77.2       Doxepin-D3       6.129         295.1 -> 267       8/13/2018 1:54 PM       I       I       280.2 -> 77.2       I       Doxepin-D3       6.309         314.1 -> 268       8/13/2018 1:54 PM       I       I       295.1 -> 205       I       Estazolam-D5       6.309         314.1 -> 268       8/13/2018 1:54 PM       I       I       314.1 -> 239       I       Stazolam-D5       6.309         388.2 -> 315       8/13/2018 1:54 PM       I       I       388.2 -> 317       I       Zopiclone-D4       5.977
ide       300.1 -> 227       8/13/2018 1:54 PM       Image: Chloridiacepoxide-D5       6.492         387.2 -> 238       8/13/2018 1:54 PM       Image: Chloridiacepoxide-D5       6.241         267.2 -> 72.3       8/13/2018 1:54 PM       Image: Chloridiacepoxide-D5       6.241         267.2 -> 72.3       8/13/2018 1:54 PM       Image: Chloridiacepoxide-D5       6.241         280.2 -> 107       8/13/2018 1:54 PM       Image: Chloridiacepoxide-D3       6.275         280.2 -> 107       8/13/2018 1:54 PM       Image: Chloridiacepoxide-D3       6.129         295.1 -> 267       8/13/2018 1:54 PM       Image: Chloridiacepoxide-D3       6.129         314.1 -> 268       8/13/2018 1:54 PM       Image: Chloridiacepoxide-D3       6.309         314.1 -> 268       8/13/2018 1:54 PM       Image: Chloridiacepoxide-D3       6.309         314.1 -> 268       8/13/2018 1:54 PM       Image: Chloridiacepoxide-D5       6.309         314.1 -> 268       8/13/2018 1:54 PM       Image: Chloridiacepoxide-D5       6.309         388.2 -> 315       8/13/2018 1:54 PM       Image: Chloridiacepoxide-D5       6.309         388.2 -> 315       8/13/2018 1:54 PM       Image: Chloridiacepoxide-D5       6.308         388.2 -> 315       8/13/2018 1:54 PM       Image: Chloridiacepoxide-
387.2 -> 238       8/13/2018 1:54 PM       I       387.2 -> 111       Sufertanil-D5       6.241         267.2 -> 72.3       8/13/2018 1:54 PM       I       267.2 -> 44.3       I       Desipramine-D3       6.275         280.2 -> 107       8/13/2018 1:54 PM       I       280.2 -> 77.2       I       Desipramine-D3       6.129         295.1 -> 267       8/13/2018 1:54 PM       I       I       295.1 -> 205       I       Estazolam-D5       6.309         314.1 -> 268       8/13/2018 1:54 PM       I       I       314.1 -> 239       I       Flunitrazepam-D7       6.368         388.2 -> 315       8/13/2018 1:54 PM       I       I       388.2 -> 317       I       Zopiclone-D4       5.977
267.2 -> 72.3       8/13/2018 1:54 PM       I       267.2 -> 44.3       Desipramine-D3       6.275         280.2 -> 107       8/13/2018 1:54 PM       I       280.2 -> 77.2       Doxepin-D3       6.129         295.1 -> 267       8/13/2018 1:54 PM       I       295.1 -> 205       Doxepin-D3       6.309         314.1 -> 268       8/13/2018 1:54 PM       I       I       314.1 -> 239       Flunitrazepam-D7       6.368         388.2 -> 315       8/13/2018 1:54 PM       I       I       388.2 -> 317       Zopiclone-D4       5.977
280.2 -> 107       8/13/2018       1:54 PM       Г       280.2 -> 77.2       Г       Doxepin-D3       6.129         295.1 -> 267       8/13/2018       1:54 PM       Г       295.1 -> 205       F       Estazolam-D5       6.309         314.1 -> 268       8/13/2018       1:54 PM       Г       314.1 -> 239       F       Flunitrazepam-D7       6.368         388.2 -> 315       8/13/2018       1:54 PM       Г       388.2 -> 317       F       Zopiclone-D4       5.977
295.1 -> 267       8/13/2018 1:54 PM       I       295.1 -> 205       Estazolam-D5       6.309         314.1 -> 268       8/13/2018 1:54 PM       I       I       314.1 -> 239       Flunitrazepam-D7       6.368         388.2 -> 315       8/13/2018 1:54 PM       I       I       388.2 -> 317       Elunitrazepam-D7       6.368
314.1 -> 268       8/13/2018 1:54 PM       I       I       314.1 -> 239       Flunitrazepam-D7       6.368         388.2 -> 315       8/13/2018 1:54 PM       I       I       388.2 -> 317       I       Zopicione-D4       5.977
388.2 -> 315 8/13/2018 1:54 PM           388.2 -> 317   Zopiclone-D4 5.977 23
Imipramine   281.2 -> 86.2   8/13/2018 1:54 PM             281.2 -> 58.3         Imipramine-D3   6.291   895766
Sufentanil-D5 6.241
03 6.312
180.1 -> 163 8/13/2018 1:54 PM
[       MDEA-D6 5.426
-> 220 8/13/2018 1:54 PM
Methylphenidate 234.2 -> 84.2 8/13/2018 1:54 PM         234.2 -> 56.3       Meperidine-D4 5.645 204723
6.468
Normeperidine 234.1 -> 42.3 8/13/2018 1:54 PM           234.1 -> 160       Normeperidine-D4 5.647 166253
am-D7 5.742
264.2 -> 91.2 8/13/2018 1:54 PM
4 6.405
244.2 -> 86.2 8/13/2018 1:54 PM
6.012
8/13/2018 1:54 PM
5.506
-> 264   [   Zaleplon-D4   6.207
Zopiclone         389.1 -> 244         8/13/2018 1:54 PM         I         I         389.1 -> 216         I         Zopiclone-D4         5.977         232747

 $\sum$ 1

Name T	Transition	Acg. Date-Time	<u>ק</u>	Resp S/N	NS	≧	Transition	≤	SZ	Агеа	Name
م		MCH-100018-111110		nesp.						леа а	>
alpha-hydroxymidazolam 342.1		8/13/2018 2:14 PM					342.1 -> 203				alpha-hydroxymidazolam
	278.2 -> 91.2	8/13/2018 2:14 PM					278.2 -> 105				Amitriptyline-D3
tanyl	219.1 -> 84.2	8/13/2018 2:14 PM					219.1 -> 56.3				Acetylnorfentanyl-D5
	237.1 -> 193	8/13/2018 2:14 PM					237.1 -> 194	٦			Carbamazepine-13C6
e 	300.1 -> 227	8/13/2018 2:14 PM					300.1 -> 282				Chlordiazepoxide-D5
Sufentanil 387.2	.2 -> 238	8/13/2018 2:14 PM					387.2 -> 111				Sufentanil-D5
ne	267.2 -> 72.3	8/13/2018 2:14 PM				<u> </u>	267.2 -> 44.3	7			Desipramine-D3
	.2 -> 107	8/13/2018 2:14 PM					280.2 -> 77.2	٦			Doxepin-D3
m	V	8/13/2018 2:14 PM					295.1 -> 205	1			Estazolam-D5
am	V	8/13/2018 2:14 PM				٦	314.1 -> 239	٦			Flunitrazepam-D7
	V	8/13/2018 2:14 PM				1	388.2 -> 317	T			Zopiclone-D4
	281.2 -> 86.2	8/13/2018 2:14 PM					281.2 -> 58.3	٦			Imipramine-D3
	205.1 -> 91.2	8/13/2018 2:14 PM				1	205.1 -> 178	٦			Sufentanil-D5
	278.2 -> 91.2	8/13/2018 2:14 PM					278.2 -> 117	T			Amitriptyline-D3
MDA   180.	180.1 -> 163	8/13/2018 2:14 PM					180.1 -> 105	٦			MDA-D5
MDEA 208.1	.1 -> 163	8/13/2018 2:14 PM					208.1 -> 105	T			MDEA-D6
MDMA 194.1	٧	8/13/2018 2:14 PM					194.1 -> 105	T			MDMA-D6
Meperidine 248.2	.2 -> 220	8/13/2018 2:14 PM				1	248.2 -> 174	٦			Meperidine-D4
Methylphenidate 234.2	.2 -> 84.2	8/13/2018 2:14 PM					234.2 -> 56.3	T			Meperidine-D4
	326.1 -> 223	8/13/2018 2:14 PM					326.1 -> 249	٦			Midazolam-D4
dine	234.1 -> 42.3	8/13/2018 2:14 PM					234.1 -> 160	٦			Normeperidine-D4
7-Aminoflunitrazepam 284	284.1 -> 135	8/13/2018 2:14 PM	5.783	1067	29.56		284.1 -> 93.2	٦			7-aminoflunitrazepam-D7
Nortriptyline 264.2	.2 -> 91.2	8/13/2018 2:14 PM	6.296	522011	8		264.2 -> 233		8	4469	Nortriptyline-D3
Phenazepam 349.0	.0 -> 206	8/13/2018 2:14 PM			and a second	1	349.0 -> 183	٦			Phenazepam-D4
Phencyclidine 244.2	.2 -> 86.2	8/13/2018 2:14 PM					244.2 -> 91.1	٦			Phencydlidine-D5
Phenytoin 253.1	.1 -> 104	8/13/2018 2:14 PM					253.1 -> 182	T			Phenytoin-D10
Pseudoephedrine   166.1	.1 -> 148	8/13/2018 2:14 PM				]	166.1 -> 133	1			Pseudoephedrine-D3
Tapentadol 222.	.2 -> 107	8/13/2018 2:14 PM				_	222.2 -> 121	T			Tapentadol-D3
Zaleplon 306.1	.1 -> 236	8/13/2018 2:14 PM					٧.	٦			Zaleplon-D4
>	389.1 -> 244						389.1 -> 216	٦			Zopic
	Ŷ					7.0000					∠opicione-D4

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

Extraction Date: 8 - 7 - 18

Analyst: Anne Nord

Plate lot#: 0515037

Plate Expiration: 9/28/2018

Mobile phase A:10mM Ammonium FormateMobile phase B:0.1% Formic acid in MeOH0.1% Formic Acid in WaterMTBEHexaneBlank Blood Lot:17J20718☆Column:Phenomenex Phenyl Hexyl (4.6x50mm: 2.6 um)LCMS-QQQ ID:6234018G20707

### **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.
- $\square$  3. Create worklist:

### Analytic:

- 1. Remove standards, plate, controls, and samples from cold storage. Allow to reach room temperature.
- 2. Pipette 1000 μL blood (calibrated pipette) Pipette ID: k52558<sup>4</sup> in wells of analytical (standards) plate.
  - Blank blood for locations containing standards/QCs and internal standards
  - Sample blood for locations containing only internal standards
- 3. Place on shaking incubator at ambient temp., 900rpm for 15 minutes. Shaker ID: 66759
- $\checkmark$  4. Pipette 500 µL 0.1% formic acid in wells of analytical plate.
- $\square$  5. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- 3 6. Transfer 800 μL of blood+base mixture to corresponding wells of SLE+ plate.
- 7. Apply positive pressure for approx. 4 seconds (or until no liquid remains on top of sorbent).
   (Load at 85-100 PSI- Selector to the right) Manifold ID: 66792
- **8.** Wait 5 minutes.
- 9. Add 2.25 mL MTBE (add in 3 increments of 750uL).
- $\square$  10. Wait 5 minutes.
- I1. Apply positive pressure for approx. 15 seconds. (10-15 PSI- Selector to the left).
- I2. Add 2.25 mL hexane (add in 3 increments of 750uL).
- I3. Wait 5 minutes.
- I4. Apply positive pressure for approx. 15 seconds. (10-15 PSI- Selector to the left).
- ☑ 15. Remove plate containing eluate. Place on SPE Dry and evaporate to dryness at approx. 35°C. SPE Dry ID: 66819
- Δ 16. Reconstitute in 100µL 100% MeOH and heat seal plate with foil. Place in autosampler and run worklist.

### **Post-Analytic**

 $\boxtimes$  1. Create batch and process data.

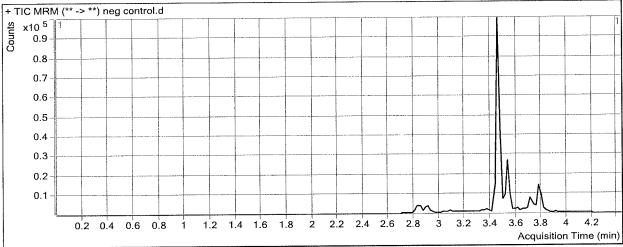
Worklist path: <u>CAND</u> Screen Batch Name: 080718 AM 25-26

- ☑ 2. Calculated sample concentration of 3 ng/mL or greater for THC and THC-OH, a calculated sample concentration of 10 ng/mL or greater for Carboxy-THC.
- ☑ 3. Retention time within +/- 2% or +/-.100 min whichever is greater of the average retention time of the calibrators.
- $\not\boxtimes$  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:

Batch Data Path	D:\2018 Data\080718	AM 25-26\QuantResi	ults\cann screen.batch.bin
Analysis Time	8/9/2018 11:08 AM	Analyst Name	ISP Tox
Report Time	8/9/2018 1:16 PM	Reporter Name	ISP Tox
Last Calib Update	8/9/2018 11:08 AM	Batch State	Processed
Analysis Info			
Acq Time	2018-08-07 22:13	Data File	neg control.d
Sample Type	Sample	Sample Name	neg control
Dilution	1	Acq Method	Screen THC 8-2017.m
Position	P1-A2	Sample Info	
Inj Vol	-1	Comment	AM 26 Cannabinoid screen

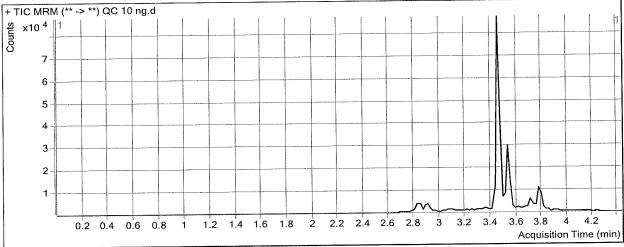
### Sample Chromatogram



Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
THC-OH	3.513	1825	194585	0.0094	0.0000
THC-COOH	3.346	3443	51910	0.0663	1.5454

Batch Data Path Analysis Time Report Time Last Calib Update	D:\2018 Data\080718 8/9/2018 11:08 AM 8/9/2018 1:16 PM 8/9/2018 11:08 AM	AM 25-26\QuantRest Analyst Name Reporter Name Batch State	Ilts\cann screen.batch.bin ISP Tox ISP Tox Processed
Analysis Info			
Acg Time	2018-08-07 22:00	Data File	QC 10 ng.d
Sample Type	QC	Sample Name	QC 10 ng
Dilution	1	Acq Method	Screen THC 8-2017.m
Position	P1-H1	Sample Info	
Inj Vol	-1	Comment	AM 26 Cannabinoid screen

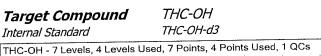
### Sample Chromatogram

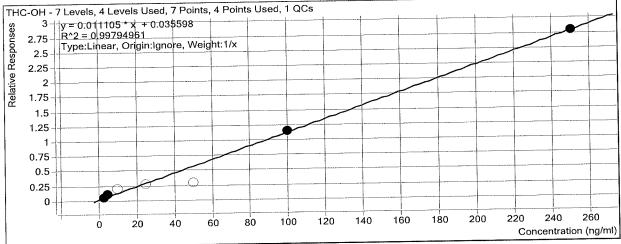


Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
THC-OH	3.453	18070	153993	0.1173	7.3610
THC-COOH	3.526	13167	44286	0.2973	11,2004
		1465	9857	0.1486	11.2537
THC	3.780	1405	5657	011100	

# ISP Forensics Calibration Curve Report

Batch Data Path	D:\2018 Data\080718	AM 25-26\QuantResults\cann screen.ba	itch.bin
Last Calib Update	8/9/2018 11:08 AM	Analyst Name	ISP TOX





Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
cal 1 - 3ng	1	$\square$	3	2.1	71.2
cal 2 - 5ng	2	Ø	5	6.4	128.2
cal 3 - 10ng	3		10	14.9	148.8
OC 10 ng	3	$\square$	10	7.4	73.6
cal 4 - 25ng	4		25	21.4	85.7
cal 5 - 50ng	5		50	24.3	48.5
cal 6 - 100ng	6	$\square$	100	101.2	101.2
cal 7 - 250ng	7	$\square$	250	248.2	99.3

dropped 25 - internal standard peak out off At dropped 25 - internal standard peak and primery cutoff. A dropped 50 - primary peak out off. A

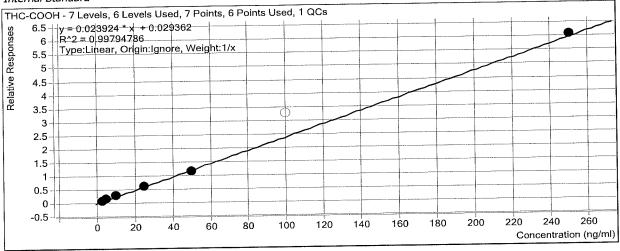
# ISP Forensics Calibration Curve Report

Batch Data Path	D:\2018 Data\080718	AM 25-26\QuantResults\cann screen.b	atch.bin
Last Calib Update	8/9/2018 11:08 AM	Analyst Name	ISP TOX

### Target Compound THC-COOH

Internal Standard

THC-COOH-d9

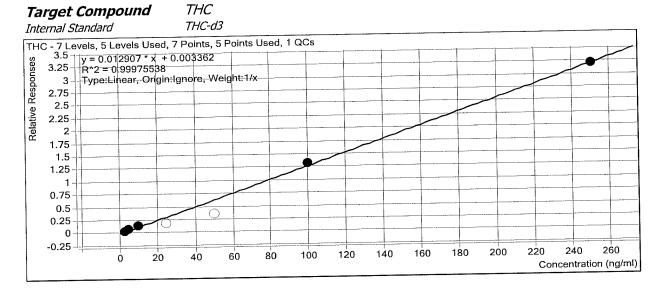


Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
cal 1 - 3ng	1	$\square$	3	2.5	83.7
cal 2 - 5ng	2	$\square$	5	6.0	120.9
cal 3 - 10ng	3	Ø	10	10.3	102.6
QC 10 ng	3	$\square$	10	11.2	112.0
cal 4 - 25ng	4	☑	25	24.7	98.6
cal 5 - 50ng	5		50	46.5	92.9
cal 6 - 100ng	6		100	134.9	134.9
cal 7 - 250ng	7	$\square$	250	253.1	101.2

dropped 100 internal standard peak out off.

# ISP Forensics Calibration Curve Report

Batch Data Path	D:\2018 Data\080718	AM 25-26\QuantResults\cann screen.ba	atch.bin
Last Calib Update	8/9/2018 11:08 AM	Analyst Name	ISP TOX

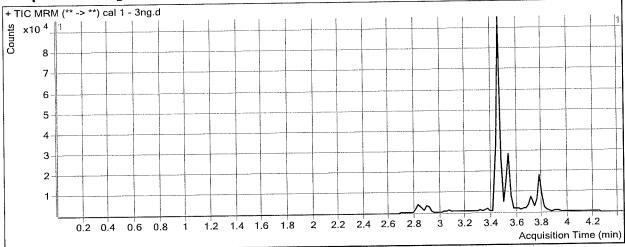


Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
cal 1 - 3ng	1	Ø	3	2.8	93.4
cal 2 - 5ng	2	$\square$	5	5.1	101.4
cal 3 - 10ng	3	☑	10	10.4	104.3
OC 10 ng	-		10	11.3	112.5
cal 4 - 25ng	4		25	13.9	55.5
cal 5 - 50ng	5		50	27.7	55.4
cal 6 - 100ng	6	$\square$	100	101.8	101.8
cal 7 - 250ng	7		250	247.9	99.2
cai / - 20019	,				

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Batch Data Path	D:\2018 Data\080718	AM 25-26\QuantRest	ults\cann screen.batch.bin
Analysis Time	8/9/2018 11:08 AM	Analyst Name	ISP Tox
Report Time	8/9/2018 1:16 PM	Reporter Name	ISP Tox
Last Calib Update	8/9/2018 11:08 AM	Batch State	Processed
Analysis Info Acq Time Sample Type Dilution Position Inj Vol	2018-08-07 21:07 Calibration 1 p1-a1 -1	Data File Sample Name Acq Method Sample Info Comment	cal 1 - 3ng.d cal 1 - 3ng Screen THC 8-2017.m AM 26 Cannabinoid screen

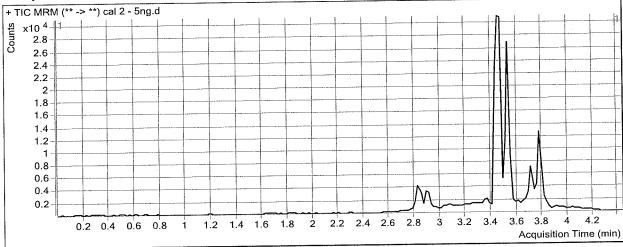
### Sample Chromatogram



Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
тнс-он	3,453	10858	183010	0.0593	2.1370
тнс-соон	3.526	4886	54624	0.0894	2.5112
THC	3.780	952	24081	0.0395	2.8013

Batch Data Path	D:\2018 Data\080718	AM 25-26\QuantRest	ults\cann screen.batch.bin
Analysis Time	8/9/2018 11:08 AM	Analyst Name	ISP Tox
Report Time	8/9/2018 1:16 PM	Reporter Name	ISP Tox
Last Calib Update	8/9/2018 11:08 AM	Batch State	Processed
Analysis Info Acq Time Sample Type Dilution Position Inj Vol	2018-08-07 21:14 Calibration 1 P1-B1 -1	Data File Sample Name Acq Method Sample Info Comment	cal 2 - 5ng.d cal 2 - 5ng Screen THC 8-2017.m AM 26 Cannabinoid screen

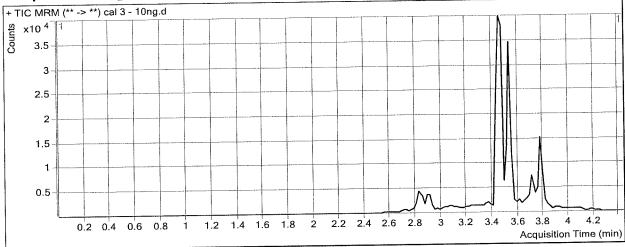
### Sample Chromatogram



Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
THC-OH	3.453	10002	93649	0.1068	6.4119
, <b>=</b> =	3.526	8001	45972	0.1740	6.0474
THC-COOH		1040	15124	0.0688	5.0688
THC	3.780	1040	13124	0.0000	510000

Batch Data Path	D:\2018 Data\080718	Analyst Name	ults\cann screen.batch.bin
Analysis Time	8/9/2018 11:08 AM		ISP Tox
Report Time	8/9/2018 1:16 PM		ISP Tox
Last Calib Update	8/9/2018 11:08 AM		Processed
Analysis Info Acq Time Sample Type Dilution Position Inj Vol	2018-08-07 21:20 Calibration 1 p1-c1 -1	Data File Sample Name Acq Method Sample Info Comment	cal 3 - 10ng.d cal 3 - 10ng Screen THC 8-2017.m AM 26 Cannabinoid screen

### Sample Chromatogram

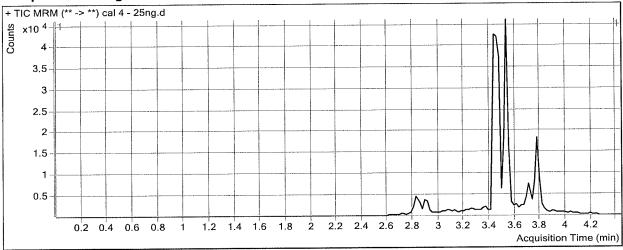


Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
THC-OH	3.453	21522	107188	0.2008	14.8751
THC-COOH	3,526	14244	51845	0.2747	10.2568
тно	3.780	2320	16815	0.1380	10.4313



Batch Data Path Analysis Time Report Time Last Calib Update	D:\2018 Data\080718 8/9/2018 11:08 AM 8/9/2018 1:16 PM 8/9/2018 11:08 AM	AM 25-26\QuantRest Analyst Name Reporter Name Batch State	ults\cann screen.batch.bin ISP Tox ISP Tox Processed
Analysis Info			
Acq Time	2018-08-07 21:27	Data File	cal 4 - 25ng.d
Sample Type	Calibration	Sample Name	cal 4 - 25ng
Dilution	1	Acq Method	Screen THC 8-2017.m
Position	P1-D1	Sample Info	
Inj Vol	-1	Comment	AM 26 Cannabinoid screen

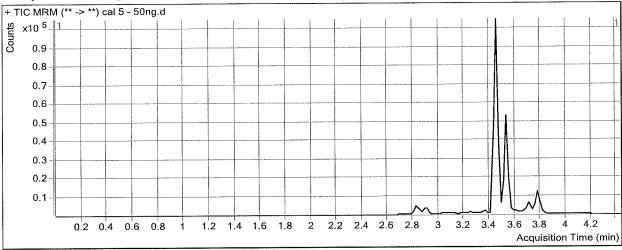
### Sample Chromatogram



Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
THC-OH	3.473	30879	112838	0.2737	21.4372
THC-COOH	3,526	32271	52107	0.6193	24.6596
THC	3.760	3928	21513	0.1826	13.8842

Batch Data Path Analysis Time Report Time Last Calib Update	D:\2018 Data\080718 8/9/2018 11:08 AM 8/9/2018 1:16 PM 8/9/2018 11:08 AM	AM 25-26\QuantRest Analyst Name Reporter Name Batch State	Ilts\cann screen.batch.bin ISP Tox ISP Tox Processed
Analysis Info			
Acq Time	2018-08-07 21:34	Data File	cai 5 - 50ng.d
Sample Type	Calibration	Sample Name	cal 5 - 50ng
Dilution	1	Acq Method	Screen THC 8-2017.m
Position	p1-e1	Sample Info	
Inj Vol	-1	Comment	AM 26 Cannabinoid screen

### Sample Chromatogram

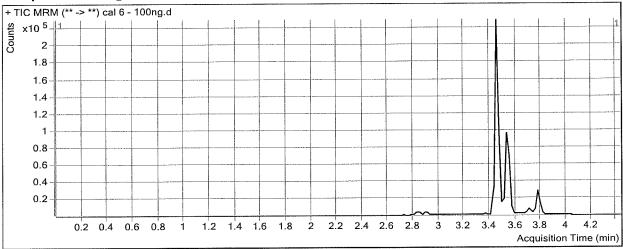


Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
THC-OH	3.433	51758	169611	0.3052	24.2743
THC-COOH	3.526	47014	41213	1.1408	46.4558
THC	3.800	4369	12115	0.3606	27.6777



Batch Data Path Analysis Time Report Time Last Calib Update	D:\2018 Data\080718 8/9/2018 11:08 AM 8/9/2018 1:16 PM 8/9/2018 11:08 AM	AM 25-26\QuantRest Analyst Name Reporter Name Batch State	Ilts\cann screen.batch.bin ISP Tox ISP Tox Processed
Analysis Info			
Acq Time	2018-08-07 21:40	Data File	cal 6 - 100ng.d
Sample Type	Calibration	Sample Name	cal 6 - 100ng
Dilution	1	Acq Method	Screen THC 8-2017.m
Position	P1-F1	Sample Info	
Inj Vol	-1	Comment	AM 26 Cannabinoid screen

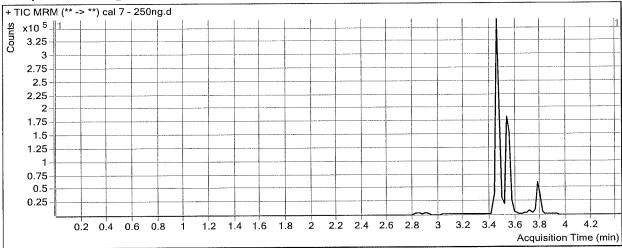
### Sample Chromatogram



Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
THC-OH	3.453	227759	196354	1.1599	101.2485
THC-COOH	3.526	137555	42233	3.2570	134.9155
THC	3.780	24835	18861	1.3168	101.7584

Batch Data Path	D:\2018 Data\080718	AM 25-26\QuantResults\cann screen.batch.bin			
Analysis Time	8/9/2018 11:08 AM	Analyst Name	ISP Tox		
Report Time	8/9/2018 1:16 PM	Reporter Name	ISP Tox		
Last Calib Update	8/9/2018 11:08 AM	Batch State	Processed		
Analysis Info					
Acq Time	2018-08-07 21:47	Data File	cal 7 - 250ng.d		
Sample Type	Calibration	Sample Name	cal 7 - 250ng		
Dilution	1	Acq Method	Screen THC 8-2017.m		
Position	p1-g1	Sample Info			
Inj Vol	-1	Comment	AM 26 Cannabinoid screen		

### Sample Chromatogram



Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
THC-OH	3.453	514998	184466	2.7918	248.2027
THC-COOH	3.526	283760	46643	6.0837	253.0692
THC	3.780	67840	21177	3,2035	247.9402

