phenomenex®
...breaking with tradition℠

Cannabinoids from Human Urine Using Strata-X-C and Luna Omega 3µm Polar C18 100x3.0mm

Column:	Luna® Omega 3 µm Polar C18 100 Å, LC Column 100 x 3.0 mm, Ea
Dimensions:	100 x 3 mm ID
Order No:	00D-4760-Y0
Elution Type:	Gradient
Eluent A:	0.1% formic acid
Eluent B:	0.1% formic acid/methanol

Gradient Profile:	Step No.	Time (min)	Pct A	Pct B
	1	0	90	10
	2	2	5	95
	3	4	5	95
	4	4.01	90	10
	5	6	90	10

Flow Rate:	0.6 mL/min
Col. Temp.:	25 °C
Detection:	Tandem Mass Spec (MS-MS) @ (25 °C)
	24525

Products used in this application:

LUNA®
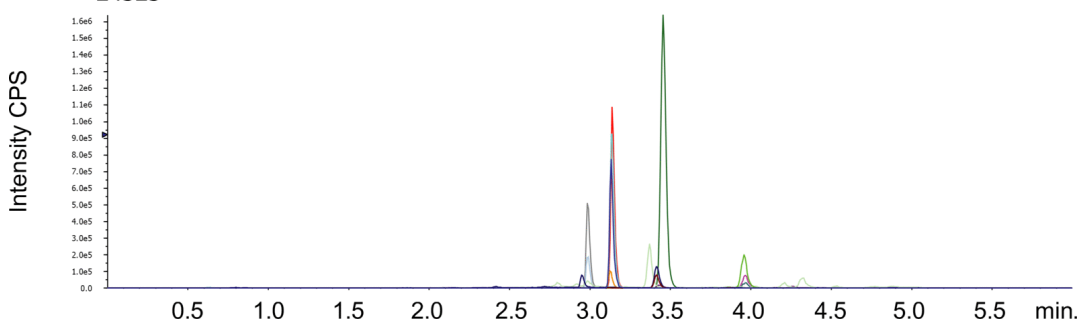
ANALYTES:

1 AB-FUBINACA
Retention Time: 2.99 min

2 XLR-11 4-Hydroxypentyl metabolite
Retention Time: 3.13 min

3 AB-PINACA
Retention Time: 3.15 min

4 THC-OH
Retention Time: 3.38 min

5 THC-COOH
Retention Time: 3.43 min

6 APINACA (AKB-48) 5-Hydroxypentyl metabolite
Retention Time: 3.47 min

7 THC
Retention Time: 3.99 min

For more information contact your Phenomenex Representative at support@phenomenex.com

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PRODUCT DESCRIPTION:

Strata™-X-C 33 µm Polymeric Strong Cation, 30 mg / 3 mL, Tubes , 50/Pk

Order No.: 8B-S029-TBJ

SOLID PHASE EXTRACTION (SPE) PRODCEDURE:

Note: The solvent volumes shown below are for a 30 mg bed mass.

The solvent volumes will need to be adjusted for a smaller or larger bed mass.

Condition:

Load:

Wash:

Dry:

3-4 mins at 10-15" of Hg

Elute:

Final Prep and Analysis:

Sample Prep Product: Strata-X-C, 30 mg/3 mL (Part No. 8B-S029-TBJ)
Sample pre-treatment

Inject: 20 µL on HPLC Tandem Mass Spec (MS-MS) @   (25°C)

	ANALYTES:	**Spiked Conc. (ng/mL)**	**Log P**	**pKa**	**% Rec**	**%RSC (n=0)**
1	AB-FUBINACA	50			85	
2	XLR-11 4-Hydroxypentyl metabolite	50			79	
3	AB-PINACA	50			83	
4	THC-OH	50			79	
5	THC-COOH	50			52	
6	APINACA (AKB-48) 5-Hydroxypentyl metabolite	50			86	
7	THC	50			50	