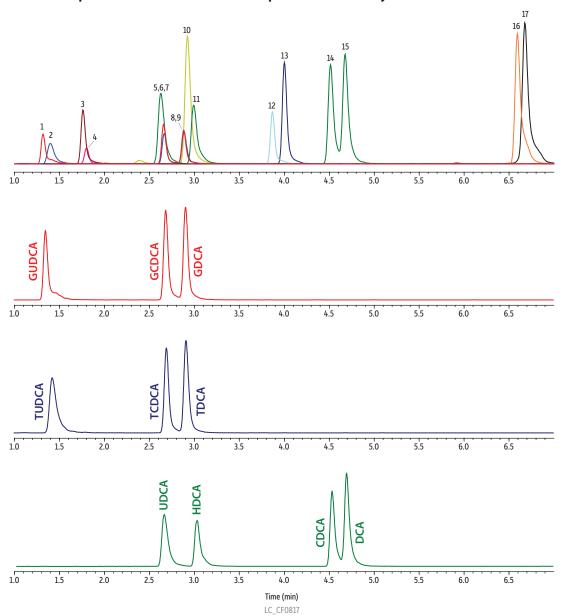
Bile Acids with Isomer Separation in Human Plasma on Raptor Inert ARC-18 by LC-MS/MS



Peaks	t _R (min)	Precursor Ion	Product Ion	Column Dimensions:	sions: 100 mm x 2.1 mm ID				Detector Instrument Sample Preparation	Shimadzu LCMS-8045 in ESI- mode Shimadzu Nexera X2 For control samples, a 90 µL aliquot of 2x charcoal-stripped plasma (K¿EDTA) was added to a microcentrifuge tube and spiked with 10 µL of calibrator/QC material and vortexed. Ten microliters of internal standards was added and vortexed. Samples were protein precipitated using 400 µL of ice-cold acetonitrile. After vortexing and centrifugation at 4200 rpm for 15 minutes, the supernatant was transferred to a glass test tube and dried down under nitrogen. All samples were reconstituted in 200 µL of 60:40 water:mobile
 GUDCA 	1.32	448.40	74.15	Particle Size:						
2. TUDCA	1.40	498.10	80.05	Pore Size:						
3. GCA	1.78	464.10	74.15	Guard Column:						
4. TCA	1.80	514.20	80.05	-						
5. UDCA	2.63	391.50	391.50	Temp.:						
GCDCA	2.66	448.40	74.15	Diluent:						
7. TCDCA	2.66	498.10	80.05	Conc.:						
8. GDCA	2.88	448.40	74.15	Inj. Vol.:						
9. TDCA	2.88	498.10	80.05	Mobile Phase						
10. CA	2.92	407.20	407.20	A:						
11. HDCA	2.99	391.50	391.50	B:						phase B. The sample was transferred to a clean
12. TLCA	3.87	482.10	80.05							2 mL screw-thread vial (cat.# 21143) with a glass
13. GLCA	4.00	432.20	74.15		Time (min)	Flow (mL/min)	%A	%B		insert (cat.# 21776) and capped with short-cap,
14. CDCA	4.51	391.50	391.50		0.00	0.5	60	40		screw-vial closures (cat.# 24498).
15. DCA	4.68	391.50	391.50		6.00	0.5	30	70	Notes	*The flow rate was increased to 0.8 mL/min to
16. LCA	6.59	375.40	375.40		7.00	0.5	20	80		more thoroughly flush phospholipids from the
17. DHLCA	6.68	373.20	373.20		7.50	0.8*	0	100		analytical column, thereby reducing matrix effects.
					8.10	0.8*	0	100		
					8.20	0.5	60	40		The flow was diverted to waste before 1
					9.50	0.5	60	40		minute and after 7 minutes to protect the mass



Max Pressure:

365 bar

spectrometer.