Bile Acid	Abbreviations	*m/z* ± 0.01 Da	RT ± 0.2 min	Internal Standard used for Quantification
Lithocholic acid	LCA	375.2894	10.51	LCA-d_5
Lithocholic acid-d_5	LCA-d_5	380.3202	10.5	N/A
Deoxycholic acid	DCA	391.2857	9.22	DCA-D_6
Ursodeoxycholic acid	UDCA	391.2857	8.27	DCA-D_6
Chenodeoxycholic acid	CDCA	391.2857	9.08	CDCA-d_4
Chenodeoxycholic acid-d_4	CDCA-d_4	395.3089	9.08	N/A
Deoxycholic acid-d_6	DCA-D_6	397.3213	9.19	N/A
Cholic acid	CA	407.2804	8.03	CA-d_5
Muricholic acid alpha	MCA alpha	407.2804	7.49	CA-d_5
Muricholic acid beta	MCA beta	407.2804	7.66	CA-d_5
Muricholic acid gamma	MCA gamma	407.2804	7.84	CA-d_5
Cholic acid-d_5	CA-d_5	412.31	8.02	N/A
Glycochenodeoxycholic acid	GCDCA	448.3062	8.2	CDCA-d_4
Glycodeoxycholic acid	GDCA	448.3062	8.35	DCA-D_6
Glycoursodeoxycholic acid	GUDCA	448.3062	7.44	CDCA-d_4
Glycocholic acid	GCA	464.3014	7.34	CA-d_5
Taurolithocholic acid	TLCA	482.2935	9.48	TLCA-d_4
Taurolithocholic acid-d_4	TLCA-d_4	486.3181	9.48	N/A
Taurochenodoexycholic acid	TCDCA	498.2891	8.19	TCDCA-d_4
Taurodeoxycholic acid	TDCA	498.2891	8.37	TDCA-d_4
Tauroursodeoxycholic acid	TDCA	498.2891	7.37	TUDCA-d_4
Taurochenodoexycholic acid-d_4	TCDCA-d_4	502.313	8.19	N/A
Taurodoexycholic acid-d_4	TDCA-d_4	502.313	8.37	N/A
Tauroursodeoxycholic acid-d_4	TUDCA-d_4	502.313	7.36	N/A
Taurocholic acid	TCA	514.2843	7.35	TCA-d_4
Tauromuricholic acid alpha	TMCA alpha	514.2843	6.66	TCA-d_4
Tauromuricholic acid beta	TMCA beta	514.2843	6.75	TCA-d_4
Tauromuricholic acid gamma	TMCA gamma	514.2843	7.02	TCA-d_4
Taurocholic acid-d_4	TCA-d_4	518.3079	7.35	N/A

Supplementary Table 1. LC-MS Bile Acid Analysis mass-to-charge ratios (*m/z*), Retention Times (RTs), and Internal Standards used for Quantification. *Abbreviation: N/A, not applicable*.