S2 Tables. Validation Parameters

A: precision and accuracy for three different plasma concentrations (n=5)

	accuracy [%]			**Coefficient of Variation [%]**		
	25nM	**100nM**	**1000nM**	**25nM**	**100nM**	**1000nM**
CA Quanti	97.7	101.4	102.6	5.3	4.3	2.0
DCA Quanti	92.0	98.9	101.8	3.2	4.4	2.6
LCA Quanti	93.1	100.7	98.0	12.4	6.9	4.5
CDCA Quanti	106.3	107.0	99.5	2.3	3.0	5.7
TLCA Quanti	90.7	100.5	103.9	3.0	3.8	2.4
UDCA Quanti	95.5	101.2	102.3	6.3	2.8	2.6
TCDCA Quanti	97.8	103.4	98.8	4.1	3.6	3.0
GCA Quanti	107.8	101.2	97.6	4.0	2.5	2.7
GCDCA Quanti	107.3	102.0	100.1	9.4	3.0	6.1
TDCA Quanti	100.5	103.3	100.4	3.6	3.3	2.7
TCA Quanti	102.4	103.1	101.9	3.4	4.4	1.7
GUDCA Quanti	108.8	103.1	107.7	2.1	4.2	1.2
TUDCA Quanti	94.0	105.1	101.2	4.2	2.6	2.9
GDCA Quanti	114.6	106.5	101.2	5.1	4.5	3.6

B: Precision between batches (n=13) determined by pooled QC samples

	CA	**DCA**	**LCA**	**CDCA**	**TLCA**	**UDCA**	**TCDCA**	**GCA**	**GCDCA**	**TDCA**	**TCA**	**GUDCA**	**TUDCA**	**GDCA**
CV (%)	4.6	6.7	10.8	6.6	n.a.	5.9	4.8	5.0	4.9	6.1	13.3	4.7	n.a.	5.2
Mean Concentration	331.2	425.2	19.9	439.4	n.a.	95.6	97.0	324.3	877.6	55.5	53.0	121.8	n.a.	301.6

C: Recovery and matrix effect (n=5) for spiked plasma samples c=250 nM

	CA	**DCA**	**LCA**	**CDCA**	**TLCA**	**UDCA**	**TCDCA**	**GCA**	**GCDCA**	**TDCA**	**TCA**	**GUDCA**	**TUDCA**	**GDCA**
Recovery %	87.7	87.4	72.7	99.5	95.6	98.2	88.9	101.8	94.4	91.0	118.1	103.9	101.0	86.3
Matrix Effect %	65.4	99.9	88.2	102.6	100.9	83.6	123.0	124.9	79.4	75.0	92.5	73.9	96.9	110.8