

Supplementary Table 1: Targeted SIM method inclusion list

Analyte	Formula [M]	Sequence	CS [z]	Polarity	Start [min]	Stop [min]	Mass [m/z]
17-β-estradiol (Dcl)	C30H35NO4S	2	1	Positive	5.15	5.9	506.23596
17-β-estradiol-d4 (Dcl)	C30H31D4NO4S	2	1	Positive	5.15	5.9	510.26106
Estrone (Dcl)	C30H33NO4S	2	1	Positive	6.61	7.5	504.22031
Estrone-d4 (Dcl)	C30H29D4NO4S	2	1	Positive	6.61	7.5	508.24541
Progesterone	C21H30O2	1	1	Positive	6.51	8.5	315.23186
Progesterone-d9	C21H21D9O2	1	1	Positive	6.51	8.5	324.28835
Testosterone	C19H28O2	1	1	Positive	2.01	3.7	289.21621
Testosterone-d3	C19H25D3O2	1	1	Positive	2.01	3.7	292.23504

*Dcl - Dansyl chloride