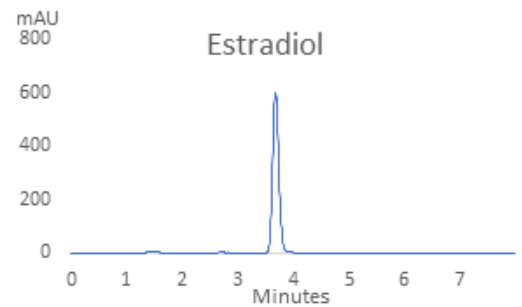
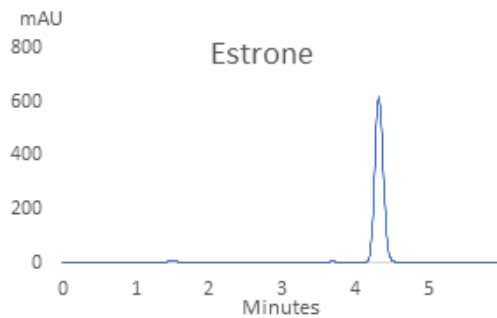
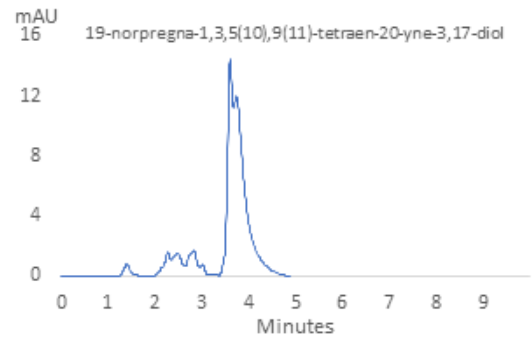
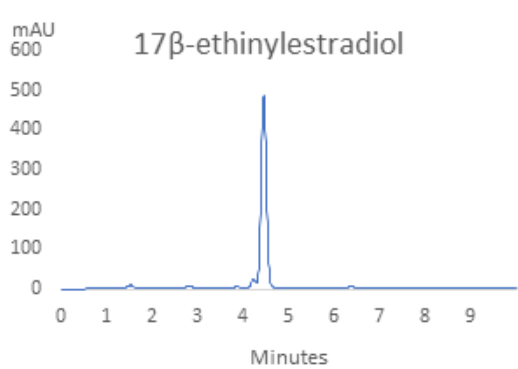


Ethinyl Estradiol impurity

Experimental

Column: SVEA C18 Gold, 5 µm 110 Å 4.6 x 250 mm
Instrument: HPLC
Mobile phase: Solvent A – 60% Methanol, Solvent B – 80% Acetonitrile
Gradient: 30-50 % A in 0 to 10 min; 50-70 % in 10 to 20 min; 70-30% in 20-25 min
Flow rate: 0.7 mL/min
Injection volume: 25µl
Column temperature: 30°C
Detector: UV 225 nm
Sample: Ethinyl Estradiol Impurity



Performance	Impurity 1	Impurity 2	Impurity 3	Impurity 4
Name	17β-ethinylestradiol	19-norpregna-1,3,5(10),9(11)-tetraen-20-yne-3,17-diol	Estrone	Estradiol
Retention time	4.4	3.6	4.3	3.7
USP Tailing	1.03	0.72	1.08	1.09
Theoretical plate number	25812	16916	27028	20732
Area under curve	3964.58	113.54	5054.11	4676.99

