Circulating mammalian lignans, Panel A: enterodiol (ED) and Panel B: enterolactone (EL) levels in plasma of mice were determined using GC/MS/MS. Mouse cohorts were initiated on the control 0% FLC diet 3 days prior to XRT exposure. At 24 hours post-XRT, 10% FLC and 20% FLC diets were initiated. Control-fed mouse cohorts remained on 0% FLC diet throughout the course of the study. Mouse cohorts were sacrificed at 16 weeks post-XRT and plasma was collected. Data is represented as mean ± SEM (n=5 mice / group). No statistical significance was found between XRT and no XRT.

**Figure 3:** Detection of Flaxseed Lignan Metabolites Enterodiol (ED) and Enterolactone (EL) in Plasma of Mice Fed FLC Diets