

Each sample was extracted using a modified Bligh-Dyer extraction. Briefly, filters were cut up and split between two bead beating tubes containing a mixture of 100 μm and 400 μm silica beads. Heavy isotope-labeled internal standards were added along with 750 μL of cold aqueous solvent (50:50 methanol:water) and 750 μL of cold organic solvent (dichloromethane). The samples were shaken on a FastPrep-24 Homogenizer for 30 seconds and chilled in a $-20\text{ }^{\circ}\text{C}$ freezer repeatedly for three cycles of bead-beating and a total of 30 minutes of chilling. The organic and aqueous layers were separated by spinning samples in a microcentrifuge at 5,000 rpm for 90 seconds at $4\text{ }^{\circ}\text{C}$. The aqueous layer was removed to a new glass centrifuge tube. The remaining organic fraction was rinsed three more times with additions of 750 μL of 50:50 methanol:water. All aqueous rinses were combined for each sample and dried down under N_2 gas. The remaining organic layer was transferred into a clean glass centrifuge tube and the remaining bead beating tube was rinsed two more times with cold organic solvent. The combined organic rinses were centrifuged, transferred to a new tube, and dried under N_2 gas. Dried aqueous fractions were re-dissolved in 380 μL of water. Dried organic fractions were re-dissolved in 380 μL of 1:1 water:acetonitrile. 20 μL of isotope-labeled injection standards in water were added to both fractions. Blank filters were extracted alongside samples as methodological blanks.