## FLORIDA STATE UNIVERSITY COLLEGE OF ARTS AND SCIENCES

## MOLECULAR CHARACTERIZATION OF POLYFUNCTINAL HETEROATOM COMPOUNDS IN ULTRACOMPLEX MIXTURES BY 21 TESLA FOURIER TRANSFORM ION CYCLOTRON RESONANCE MASS SPECTROMETRY (21 T FT-ICR MS)

By

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A Dissertation submitted to the Department of Chemistry and Biochemistry in partial fulfillment of the requirements for the degree of Doctor of Philosophy

Joseph William Frye-Jones defended this dissertation on November 14, 2023.  The members of the supervisory committee were:	
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