## FLORIDA STATE UNIVERSITY COLLEGE OF ARTS AND SCIENCES

## APPLICATIONS OF LIQUID CHROMATOGRAPHY TANDEM MASS SPECTROMETRY FOR THE ANALYSIS OF COMPLEX MIXTURES

## By

## ZELJKA POPOVIC

A Dissertation submitted to the Department of Chemistry and Biochemistry in partial fulfillment of the requirements for the degree of Doctor of Philosophy Zeljka Popovic defended this dissertation on June 23, 2022.

The members of the supervisory committee were:

Alan G. Marshall

**Professor Directing Dissertation** 

Fanxiu Zhu

University Representative

Michael G. Roper

Committee Member

Christian Bleiholder

Committee Member

The Graduate School has verified and approved the above-named committee members and certifies that the dissertation has been approved in accordance with university requirements.