

## TABLE OF CONTENTS

Chapter 1 Obtaining and Handling Biological Materials and Prefractionating Extracts for Lipid Analyses .....	1
Chapter 2 Analysis of Lipids by Planar Chromatography .....	11
Chapter 3 Imaging-Plate System for Radioluminographic Detection of Lipids on Thin- Layer Plates .....	33
Chapter 4 High-Performance Liquid Chromatography as a Tool for the Lipid Chemist and Biochemist.....	41
Chapter 5 High-Performance Liquid Chromatography of Fatty Acids .....	57
Chapter 6 Analysis of Lipids by On-Line Coupled Liquid Chromatography-Gas Chromatography. ....	71
Chapter 7 Supercritical Fluid Chromatographic Analysis of Lipids.....	83
Chapter 8 High-Performance Liquid Chromatography of Oxygenated Fatty Acids Including Enantiomer Separation .....	89
Chapter 9 High-Performance Liquid Chromatography of Serum Lipoproteins.....	101
Chapter 10 High-Performance Liquid Chromatography of Enantiomeric Acylglycerols and Alkylglycerols.....	115
Chapter 11 Gas Chromatography of Triacylglycerols and other Lipids on Packed Columns .....	122
Chapter 12 Gas Chromatography of Acylglycerols and Fatty Acids with Capillary Columns.....	139
Chapter 13 Radio-Gas-Chromatography of Lipids .....	149
Chapter 14 Ozonides and Ozonolysis of Lipids.....	<b>163</b>

Chapter 15	
Anacardic Acids.....	173
Chapter 16	
Glycerophospholipids.....	197
Chapter 17	
Artifacts, Contaminants, and Autoxidation Products of Edible Fats and Oils.....	203
Chapter 18	
Acylated Proteins: Identification of the Attached Fatty Acids and their Linkages.....	241
Chapter 19	
Non-Caloric Lipids.....	249
Chapter 20	
Lipophilic Vitamins.....	261
Chapter 21	
Acyl Coenzyme A Thioesters.....	285
Chapter 22	
Dolichols and Dolichyl Derivatives.....	321
Chapter 23	
Mycolic Acids.....	339
Chapter 24	
Technical Fats and Oils and Products Derived Therefrom.....	349
Chapter 25	
Analysis of Natural Fats and Oils by Ammonia Negative Ion Tandem Mass Spectrometry — Molecular Species of Triacylglycerols and Positional Distribution of their Acyl Groups.....	435
Chapter 26	
Characterization of Liposomes.....	459
Chapter 27	
Phospholipids from Pulmonary Surfactant and Amniotic Fluid.....	471
Chapter 28	
Large-Scale Chromatography of Lipids.....	487
Chapter 29	
Products of Lipolysis.....	497
Index.....	507