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Mass Spectrometry: Developmental Approaches to Answer Biological Questions

 Springer

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ISSN 2193-097X

SpringerBriefs in Bioengineering

ISBN 978-3-319-13086-6

DOI 10.1007/978-3-319-13087-3

ISSN 2193-0988 (electronic)

ISBN 978-3-319-13087-3 (eBook)

Library of Congress Control Number: 2015931648

Springer Cham Heidelberg New York Dordrecht London

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Printed on acid-free paper

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Abbreviations

2D-PAGE	2-dimensional polyacrylamide gel electrophoresis
AP-MS	Affinity purification mass spectrometry
APCI	Atmospheric-pressure chemical ionization
CD	Circular dichroism
CID	Collision-induced dissociation
CNS	Central nervous system
CSF	Cerebrospinal fluid
DESI	Desorption electrospray ionization
DNA	Deoxyribonucleic acid
ECD	Electron-capture dissociation
ESI	Electrospray ionization
ETD	Electron-transfer dissociation
FAB	Fast atom bombardment
FT	Fourier transform
GC-MS	Gas chromatography coupled to mass spectrometry
H/DX	Hydrogen/deuterium exchange
HPLC	High performance liquid chromatography
ICAT	Isotope coded affinity tag
ICPL	Isotope code protein labeling
iTRAQ	Isobaric tag for relative and absolute quantification
LAESI	Laser ablation electrospray ionization
LC	Liquid chromatography
LC-MS	Liquid chromatography coupled to mass spectrometry
LQ	Linear trap quadrupole
m/z	Mass to charge ratio
MAD	Metastable atom-activated dissociation
MALDI	Matrix-assisted laser desorption/ionization
MRM	Multiple reaction monitoring
MS	Mass spectrometry
MS/MS	Tandem mass spectrometry
MSI	Mass spectrometry imaging
MS ⁿ	Multiple dissociation mass spectrometry

NMR	Nuclear magnetic resonance
PAGE	Polyacrylamide gel electrophoresis
PESI	Probe electrospray ionization
PFF	Peptide fragmentation fingerprinting
<i>pI</i>	Isoelectric point
PMF	Peptide mass fingerprinting
PSD	Post-source decay
PTM	Post-translational modification
RNA	Ribonucleic acid
ROS	Reactive oxygen species
SILAC	Stable isotope labeling by amino acids in cell culture
SIMS	Secondary ion mass spectrometry
SRM	Selected reaction monitoring
TLC	Thin layer chromatography
TMT	Tandem mass tag
TOF	Time of flight

Mass Spectrometry: Developmental Approaches to
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Pottiez, G.

2015, VIII, 71 p. 12 illus., Softcover

ISBN: 978-3-319-13086-6