

Abbreviations

1-DE	one-dimensional electrophoresis
2-DE	two-dimensional electrophoresis
AEDA	aroma extract dilution analysis
AFID	alkali flame ionisation detector
AMPS	ammonium persulfate
Bisacrylamide	<i>N,N'</i> -methylenebisacrylamide
BSA	bovine serum albumin
CE	capillary electrophoresis
CE-MS	capillary electrophoresis-mass spectrometry
CGE	capillary gel electrophoresis
CHAPS	3-[3-(chloroamidopropyl)dimethylammonio]-1-propanesulfonate
CI	chemical ionisation
CIEF	capillary isoelectric focusing
cmc	critical micellar concentration
CML	<i>N</i> - ϵ -carboxymethyllysine
CZE	capillary zone electrophoresis
dH ₂ O	distilled water
DTT	dithiothreitol
e-gram	electropherogram
ECD	electron capture detector
EOF	electro-osmotic flow
EI	electron impact
ELISA	enzyme-linked immunosorbent assay
ESI	electrospray ionisation
FAB	fast atom bombardment
FID	flame ionisation detector
FPD	flame photometric detector
FPLC	fast polymer liquid chromatography
FSCE	free solution capillary electrophoresis
GC	gas chromatography
GC-MS	gas chromatography-mass spectrometry
GCO	gas chromatography-olfactometry
GLC	gas-liquid chromatography

GSC	gas–solid chromatography
HMF	hydroxymethylfurfural (also known as 5-hydroxymethyl-2-furaldehyde and 5-(hydroxymethyl)furfural)
HPLC	high performance liquid chromatography
IE-HPLC	ion exchange high performance liquid chromatography
IEF	isoelectric focusing
IPG	immobilised pH gradient
kV	kilovolt
LC	liquid chromatography
LC–MS	liquid chromatography–mass spectrometry
MALDI	matrix-assisted laser desorption ionisation
MECC	micellar electrokinetic capillary chromatography
MEKC	micellar electrokinetic chromatography
MS	mass spectrometry
MS/MS	tandem mass spectrometry (also MS ² or MS ⁿ)
<i>m/z</i>	mass:charge ratio
NMR	nuclear magnetic resonance
NPD	nitrogen–phosphorus detector
PAGE	polyacrylamide gel electrophoresis
PDMS	poly(dimethylsiloxane)
pI	isoelectric point
RNase A	ribonuclease A
RP-HPLC	reverse-phase high performance liquid chromatography
SDS	sodium dodecyl sulfate
SDS–PAGE	sodium dodecyl sulfate–polyacrylamide gel electrophoresis
SIM	selected-ion monitoring
SPME	solid phase microextraction
TCA	trichloroacetic acid
TCD	thermal conductivity detector
TEMED	<i>N,N,N',N'</i> -tetramethylethylenediamine
TFA	trifluoroacetic acid
TID	thermionic ionisation detector
TLC	thin layer chromatography
TOF	time-of-flight mass analyser
Tris	<i>N</i> -tris(hydroxymethyl)methyl-2-aminoethanesulfonic acid
TMBD	<i>N,N,N',N'</i> -tetramethyl-1,3-butanediamine
UV	ultraviolet