

Terms and Abbreviations

AAS	atomic absorption spectrometry
AE	anion exchange
AED	atomic emission detection
AES	atomic emission spectrometry
AFS	atomic fluorescence spectrometry
CE	cation exchange
CEC	capillary electrochromatography
CID	collision-induced dissociation
CRM	certified reference material
CT	cryogenic trap
CZE	capillary zone electrophoresis
DBT	dibutyltin
DDT	dithiothreitol
DDTC	diethyl dithiocarbonate
DFO	desferioxamine
DIN	direct injection nebuliser
DL	detection limit
DMAA	dimethylarsonic acid
DPhT	diphenyltin
ECD	electron capture detection
EI	electron impact
ES	electrospray
ET	electrothermal
ETV	electrothermal vaporisation
FAAS	flame atomic absorption spectrometry
FAB	fast atom bombardment
FID	flame ionisation detection
FPD	flame photometric detection
GC	gas chromatography
GE	gel electrophoresis
GF	graphite furnace

HG	hydride generation
HHPN	hydraulic high pressure nebulisation
HPLC	high performance liquid chromatography
HR	high resolution
ICP	inductively coupled plasma
ID	isotope dilution
IEF	isoelectric focusing
INAA	instrumental neutron activation analysis
LA	laser ablation
LC	liquid chromatography
LT	low temperature
MALDI	matrix assisted laser desorption ionization
MBT	monobutyltin
MMAA	monomethylarsinic acid
MPhT	monophenyltin
MC GC	multicapillary gas chromatography
MIP	microwave induced plasma
MS	mass spectrometry
MS/MS	tandem mass spectrometry
MT	metallothionein
NMR	nuclear magnetic resonance
PAGE	polyacrylamide gel electrophoresis
PC	phytochelatin
PFPD	pulsed flame photometric detection
PIXE	proton induced X-ray emission
QF	quartz furnace
Q MS	quadrupole mass spectrometer
SBSE	stir bar sorptive extraction
SCID	source collision induced dissociation
SDS	sodium dodecylsulphonate
SE	size exclusion
SEC	size exclusion chromatography
SFC	supercritical fluid chromatography
SPME	solid phase micro extraction
TBT	tributyltin
TMAH	tetramethylammonium hydroxide
TPrT	tripropyltin
TPhT	triphenyltin
TOF	time of flight
TLC	thin layer chromatography
TXRF	total-reflection X-ray fluorescence
UV	ultraviolet
XRF	X-ray fluorescence