

## LIST OF ABBREVIATIONS

2C-B	- 4-Bromo-2,5-dimethoxy-phenethylamine
AAS	- Atomic absorption spectrometer
ANOVA	- Analysis of variance
ATR-FTIR	- Attenuated total reflectance infrared spectroscopy
ATS	- Amphetamine-type stimulants
BSTFA	- N, O-bis-(trimethylsilyl)trifluoroacetamide
CNS	- Central nervous system
DA	- Discriminant analysis
DDA	- Dangerous Drugs Act 1952
DNA	- Deoxyribonucleic acid
DR-NIR	- Diffuse reflectance near-infrared spectroscopy
DSC	- Differential scanning calorimetry
FID	- Flame ionization detector
FTIR	- Fourier transform infrared spectrophotometry
GC	- Gas chromatography
GLC	- Gas liquid chromatography
HCA	- Hierarchical cluster analysis
HPLC	- High performance liquid chromatography
HPTLC	- High-performance thin layer chromatography
ICP-AES	- Inductively coupled plasma atomic emission spectrometry
ICP-MS	- Inductively coupled plasma mass spectrometry
IRMS	- Isotope ratio mass spectrometer
ITD	- Ion trap detector
K-MC	- K-means clustering

K-NN	- K-nearest neighbor
LIMS	- Linked Information Management System
LLE	- Liquid-liquid extraction
LOD	- Limit of detection
LOQ	- Limit of quantification
LSD	- Lysergic acid diethylamide
M3G	- Morphine-3 glucuronides
M6G	- Morphine-6 glucuronides
MAM/MM	- Monoacetymorphines
MDA	- Methylenedioxyamphetamine
MDEA	- Methylenedioxyethylamphetamine
MDMA	- 3,4-Methylenedioxymethamphetamine
MECC	- Micellar electrokinetic capillary chromatography
MS	- Mass spectrometer
MSTFA	- N-methyl-N-trimethylsilyltrifluoroacetamide
NAA	- Neutron activation analysis
NCM	- Negative control method
NMR	- Nuclear magnetic resonance spectrometry
PC	- Paper chromatography
PCA	- Principal component analysis
PCM	- Positive control method
PDA	- Photodiode array detector
PPS	- Proportion of the pre-cut sample
PRS	- Peak relative to the sum of all peaks
RGP	- Robertson and Gregory Process
RRT	- Relative retention time

RSD	- Relative standard deviation
SIM	- Selected ion monitoring
TLC	- Thin layer chromatography
TMCS	- Trimethylchlorosilane
TMS	- Trimethylsilyl
TMP	- Thiboumery and Mohr Process
UV-DAD	- Ultraviolet diode array detector
UNODC	- United Nations office on Drugs and Crime
WAXD	- Wide angle X-ray diffraction
WHO	- World Health Organization