TABLE OF CONTENTS

LIST OF TABLES

LIST OF ILLUSTRATIONS

ABBREVIATIONS AND SYMBOLS

°C	degree celsius
µL	microlitre
µm	micrometer
amu	atomic mass unit
AR	analytical reagent
B	magnetic field
BE	reversed geometry
C_{14}	carbon fourteen
C_7H_8	toluene
CC	classical column liquid chromatography
CI	chemical ionisation
cm	centimetre
DC	direct current
E	elementary charge
EB	Nier-Johnson geometry
EI	electron impact
ESR	electrostatic analyzer
et al.	and other
EtOAc	ethyl acetate
EtOH	ethanol
eV	electron volt
F	fluorescence

FID	flame ionisation detector
g	gram
GC	gas chromatography
GLC	gas liquid chromatography
HP	high pure
HPLC	high performance liquid chromatography
HPTLC	high performance thin layer chromatography
hrs	hours
Hz	hertz
i. d.	diameter
IR	infrared
kJ/mol	kilojoule per mole
LC	liquid chromatography
m	metre
m/z	a value of mass divided by charge
m^2/g	squaremeters per gram
min	minute
mL	millilitre
mm	millimetre
MS	mass spectrometry
nm	nanometer
NMR	nuclear magnetic resonance
PA	proton affinity

PAH	polyaromatic hydrocarbon
PC	paper chromatography
PCI	positive-ion chemical ionisation
PDMS	polydimethylsiloxane
R	radius
rf	radiofrequency
s	sinister
SPME	solid phase microextraction
TCD	thermal conductivity detector
TLC	thin layer chromatography
UV	ultra violet
V	volt