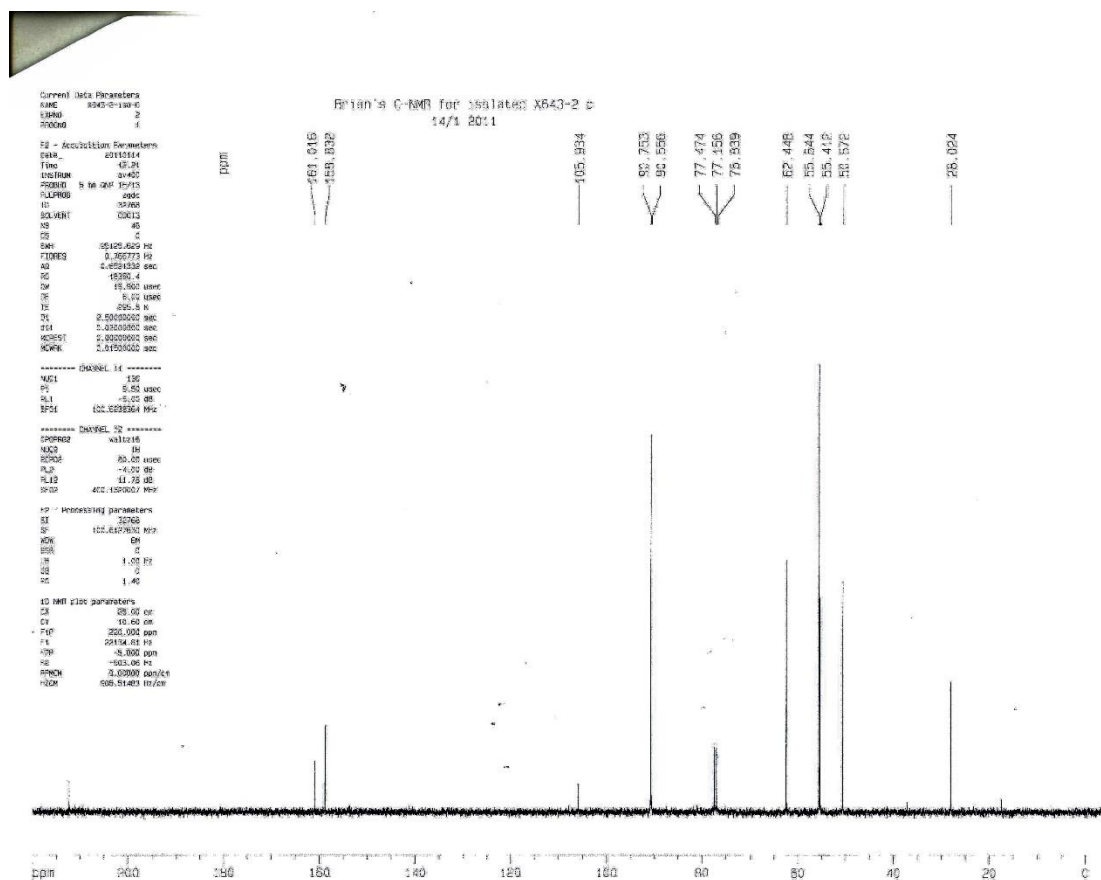
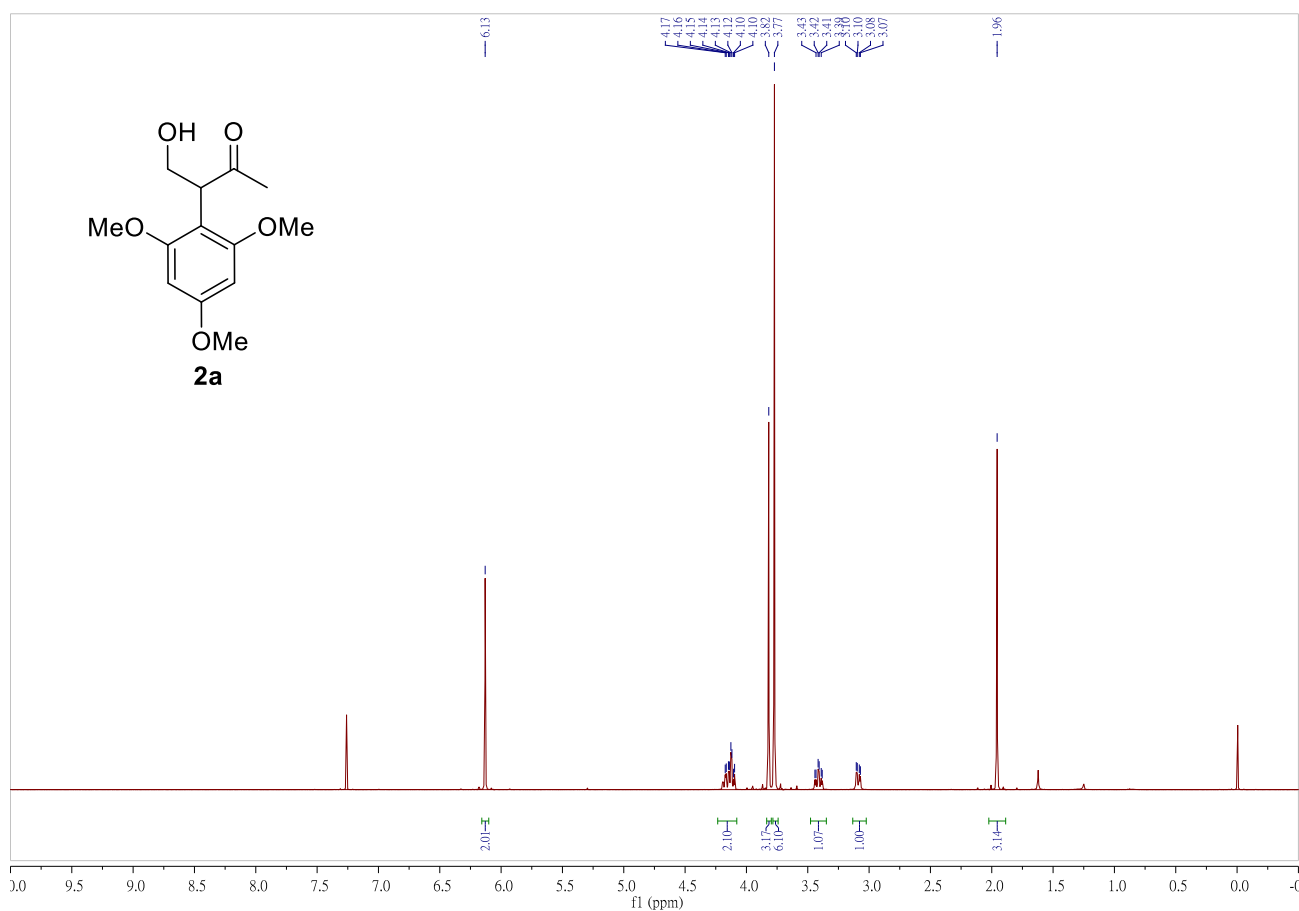
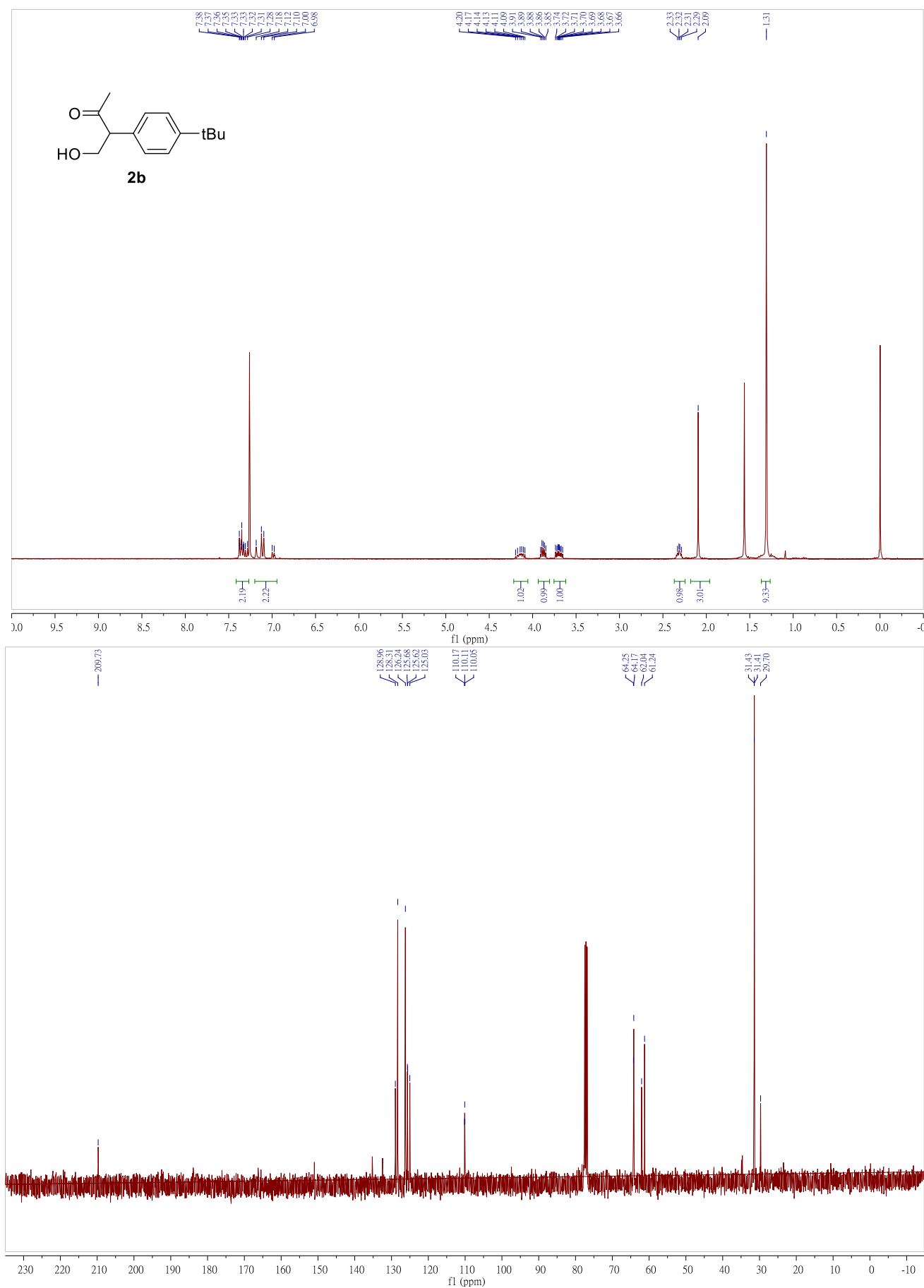
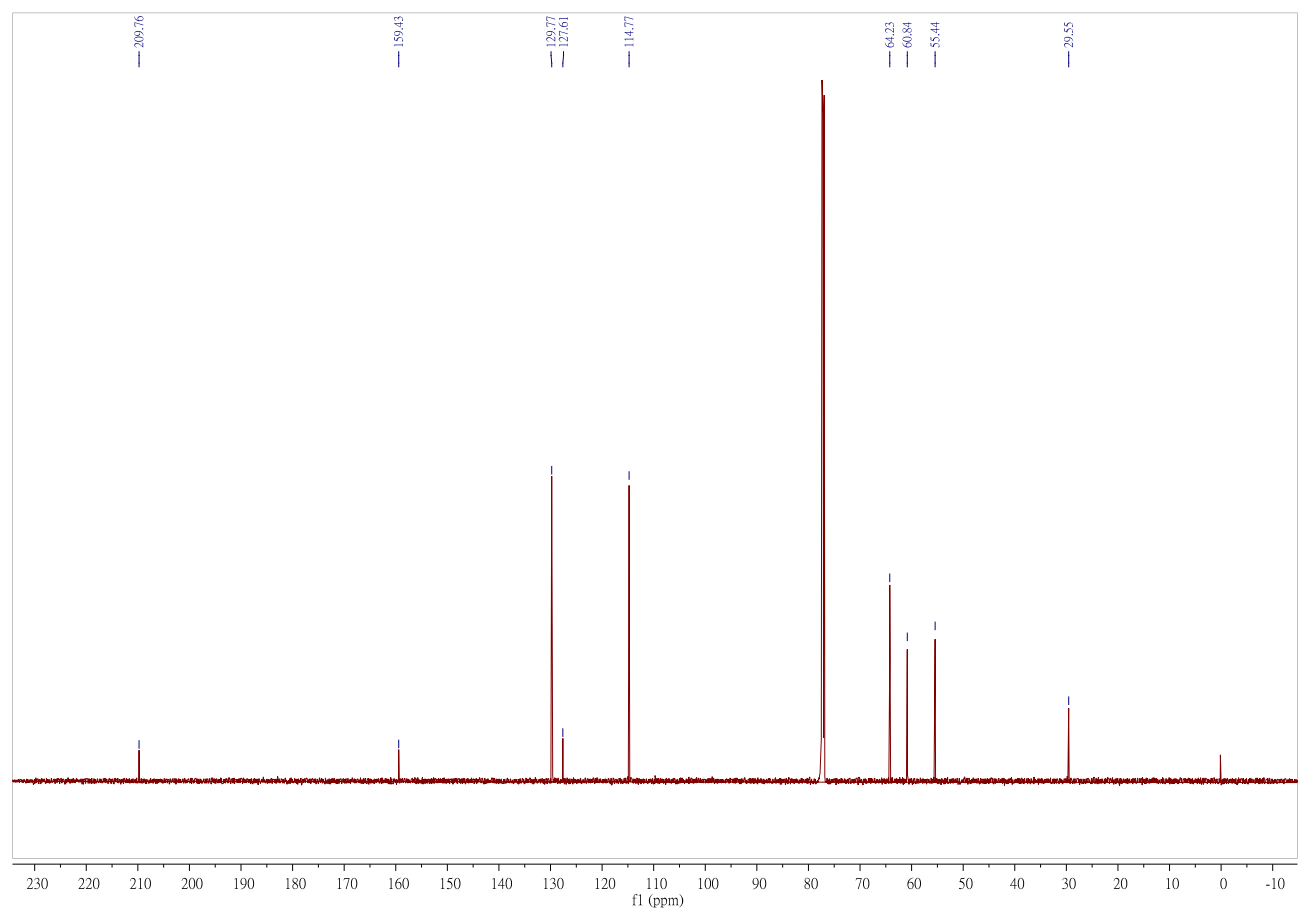
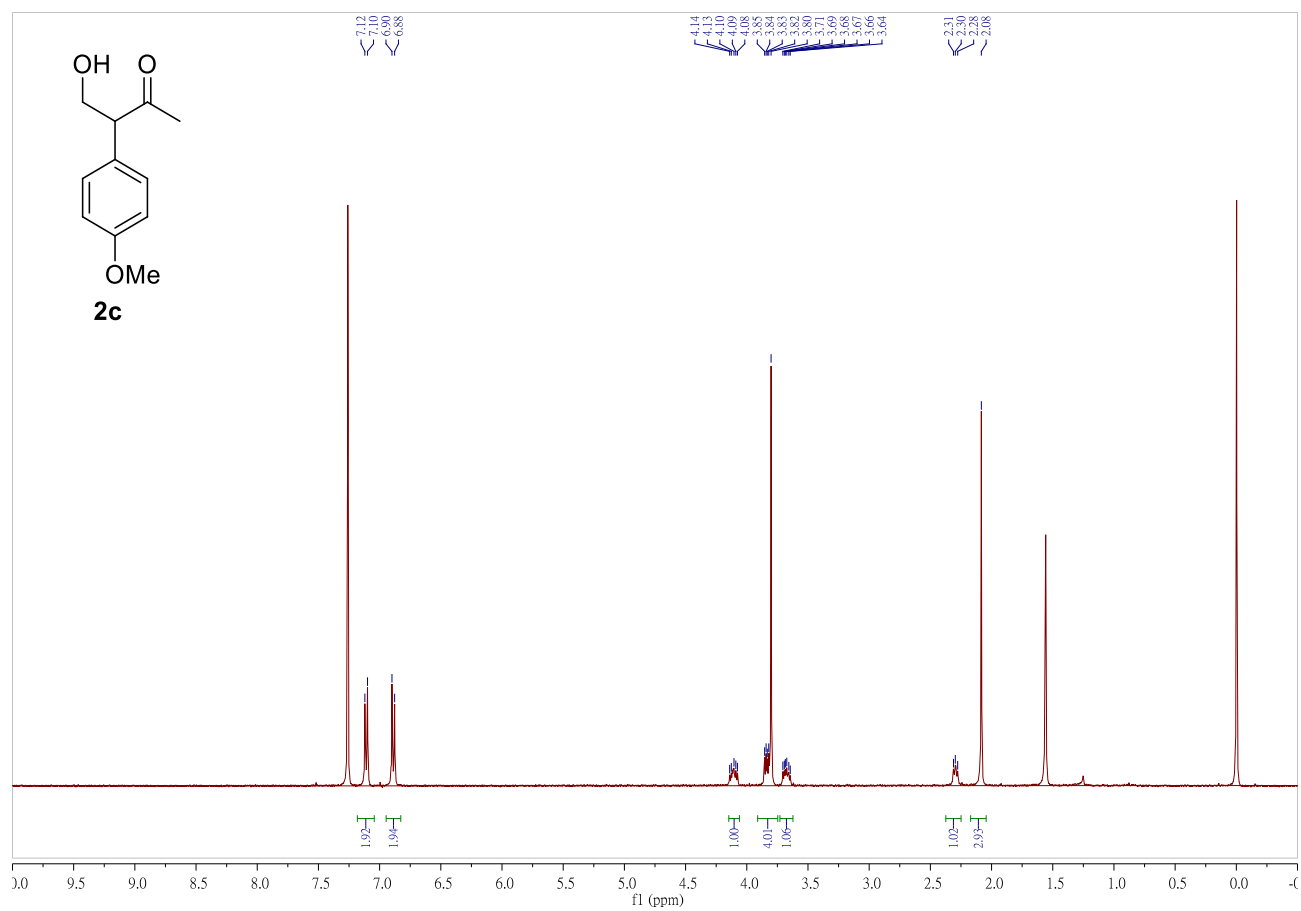
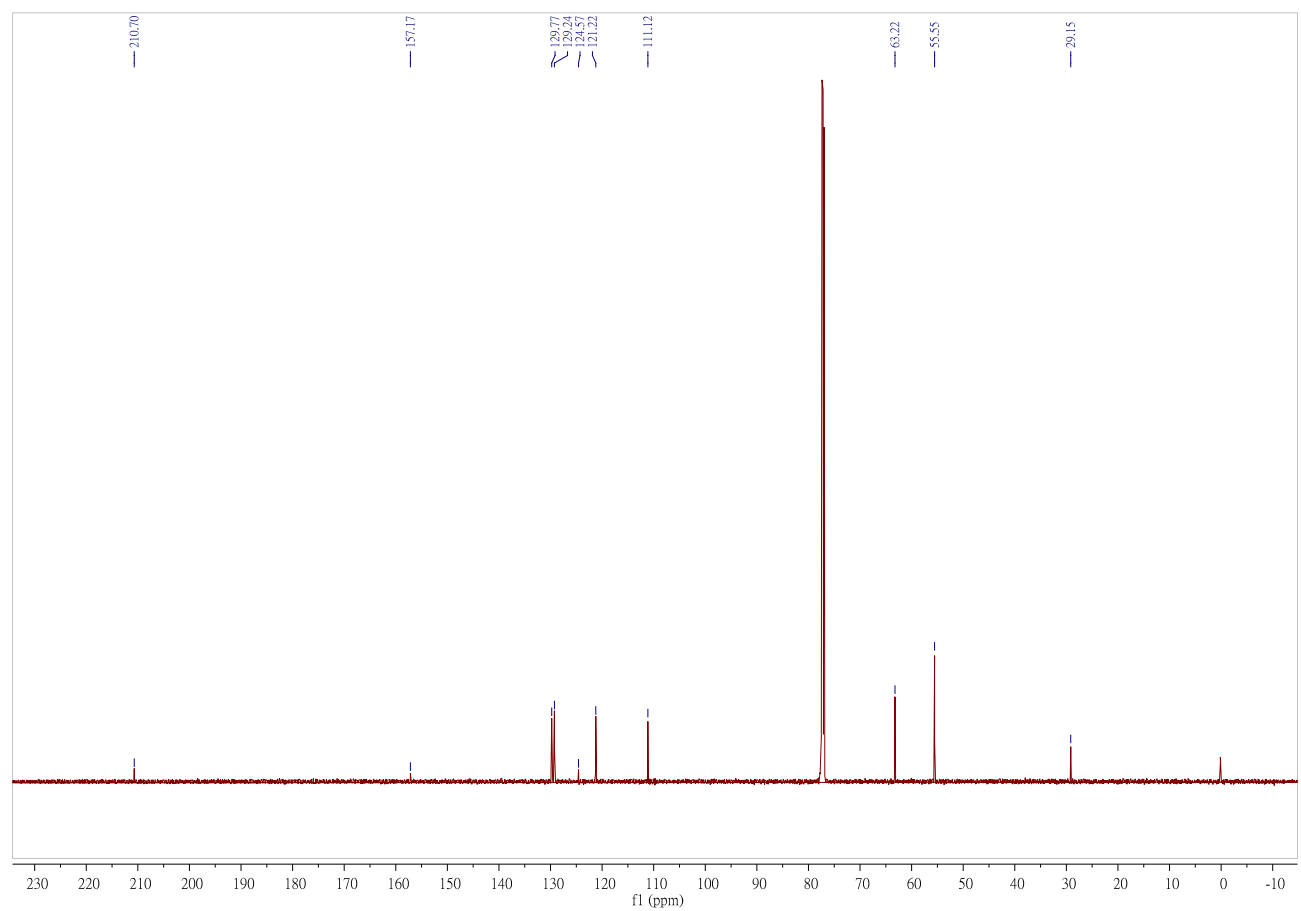
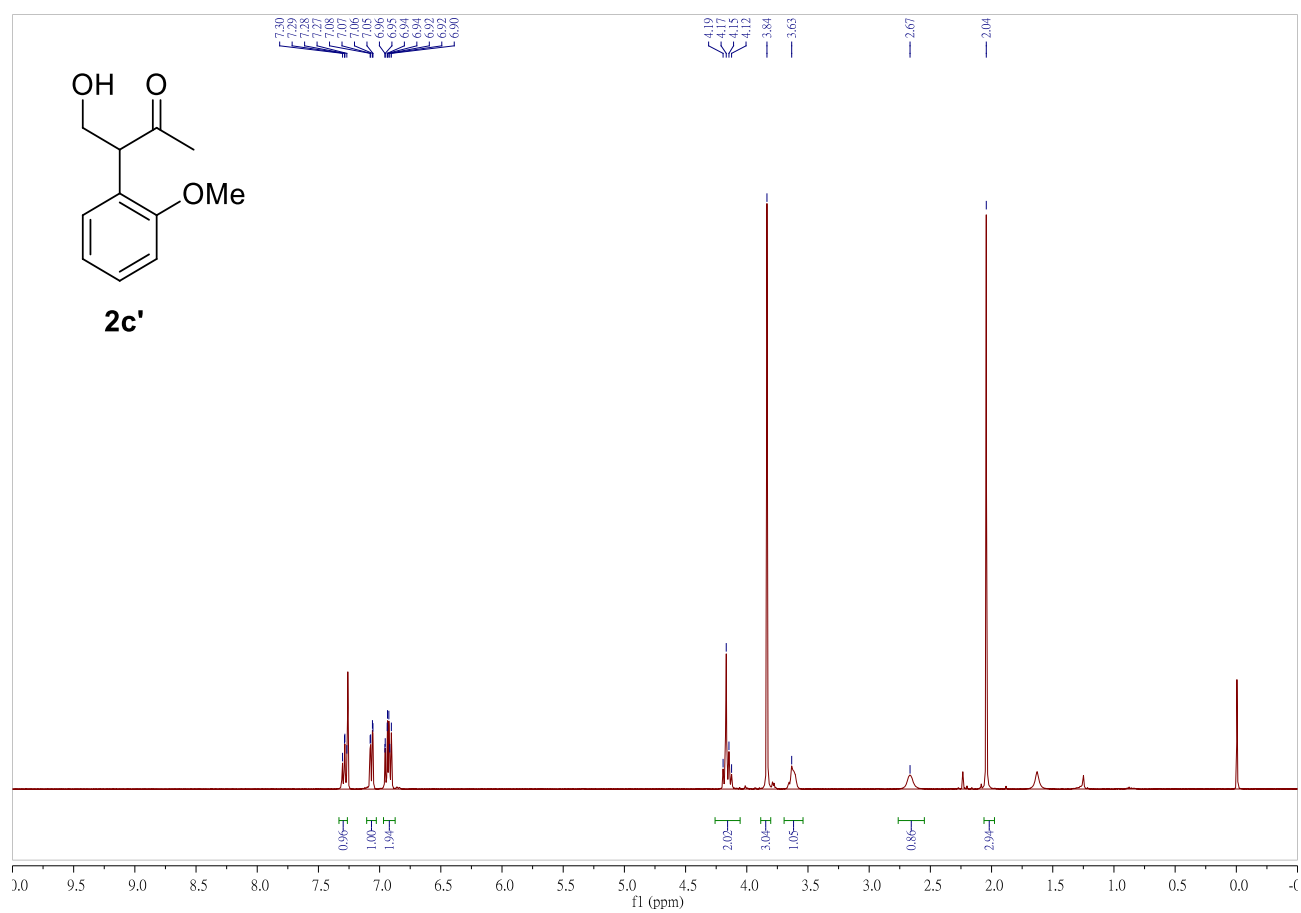










Current Data Parameters
NAME X643-1-p
EXPNO 1
PROCNO 1

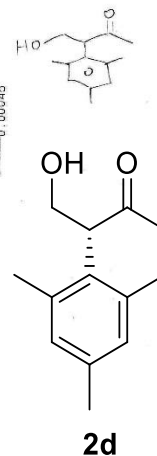
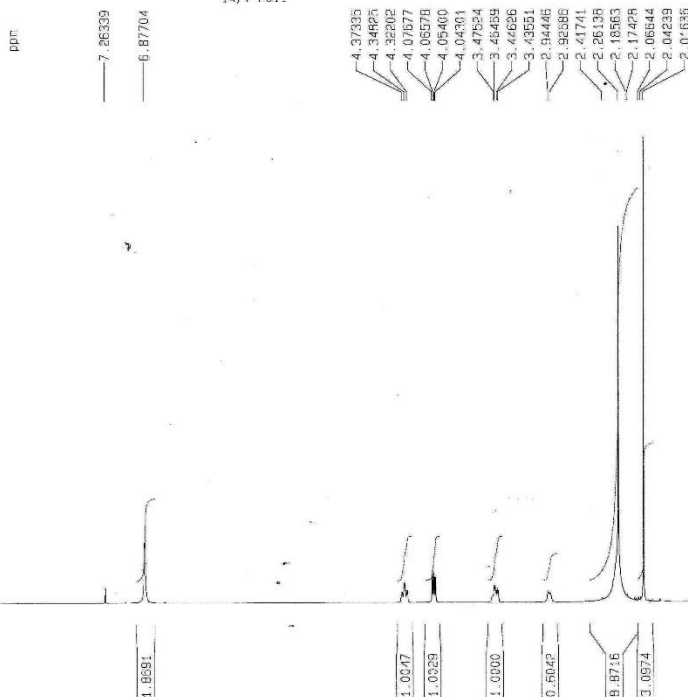
F2 - Acquisition Parameters
Date_ 20110114
Time 12.25
INSTRUM av400
PROBHD 5 mm QNP 1H/13
PULPROG zgpg30
TD 32768
SOLVENT H2O
NS 5
DS 0
SWH 5012.820 Hz
FIDRES 0.244332 Hz
AQ 2.0447731 sec
RG 71.0
DN 62.400 uS
DE 6.00 uS
TE 300.2 K
D1 1.00000000 sec
dCHEST 0.00000000 sec
dCHMK 0.01500000 sec

===== CHANNEL f1 =====
NUC1 13C
P1 13.00 uS
PL1 -1.00 dB
SFO1 400.130400 MHz

F2 - Processing parameters
SI 32768
SF 400.1300078 MHz
WDW EM
SSB 0
LB 0.50 Hz
GB 0
PC 1.00

13 NMR plot parameters
CX 25.00 cm
CY 20.00 cm
FID 10.000 ppm
F1 8001.30 Hz
F2 9.500 ppm
F3 -280.17 Hz
PPHCH 0.00000 ppm/cm
H2CH 108.6545 Hz/cm

Brian's H-NMR for isolated X643-1 p
14/1 2011



Current Data Parameters
NAME X643-1-p
EXPNO 1
PROCNO 1

F2 - Acquisition Parameters
Date_ 20110114
Time 14.30
INSTRUM av400
PROBHD 5 mm QNP 1H/13
PULPROG zgpg30
TD 32768
SOLVENT H2O
NS 147
DS 0
SWH 25125.620 Hz
FIDRES 0.766773 Hz
AQ 0.0521330 sec
RG 13024
DN 15.900 uS
DE 6.00 uS
TE 300.2 K
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dCHEST 0.00000000 sec
dCHMK 0.01500000 sec

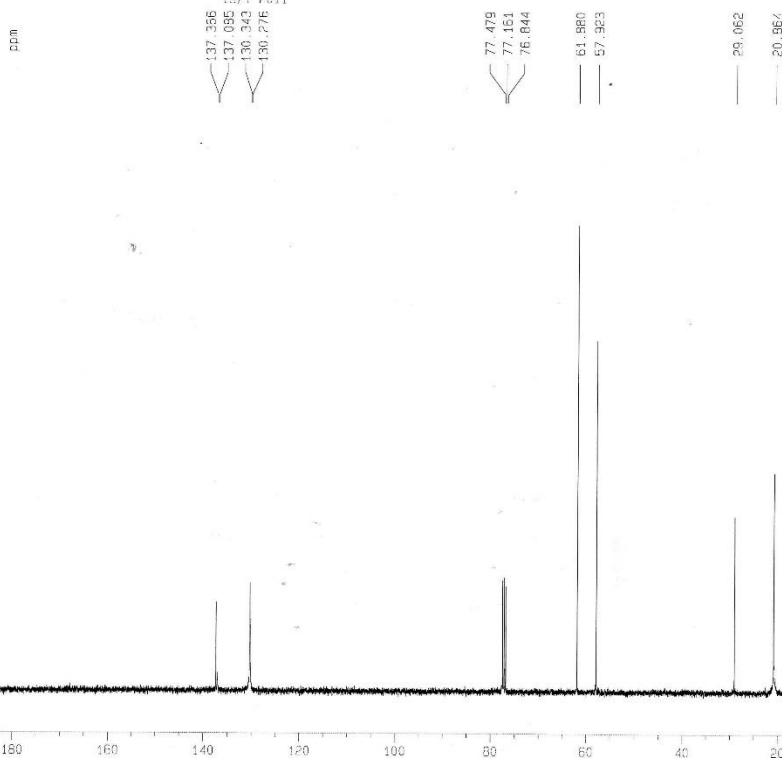
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P1 9.50 uS
PL1 -5.00 dB
SFO1 100.628464 MHz

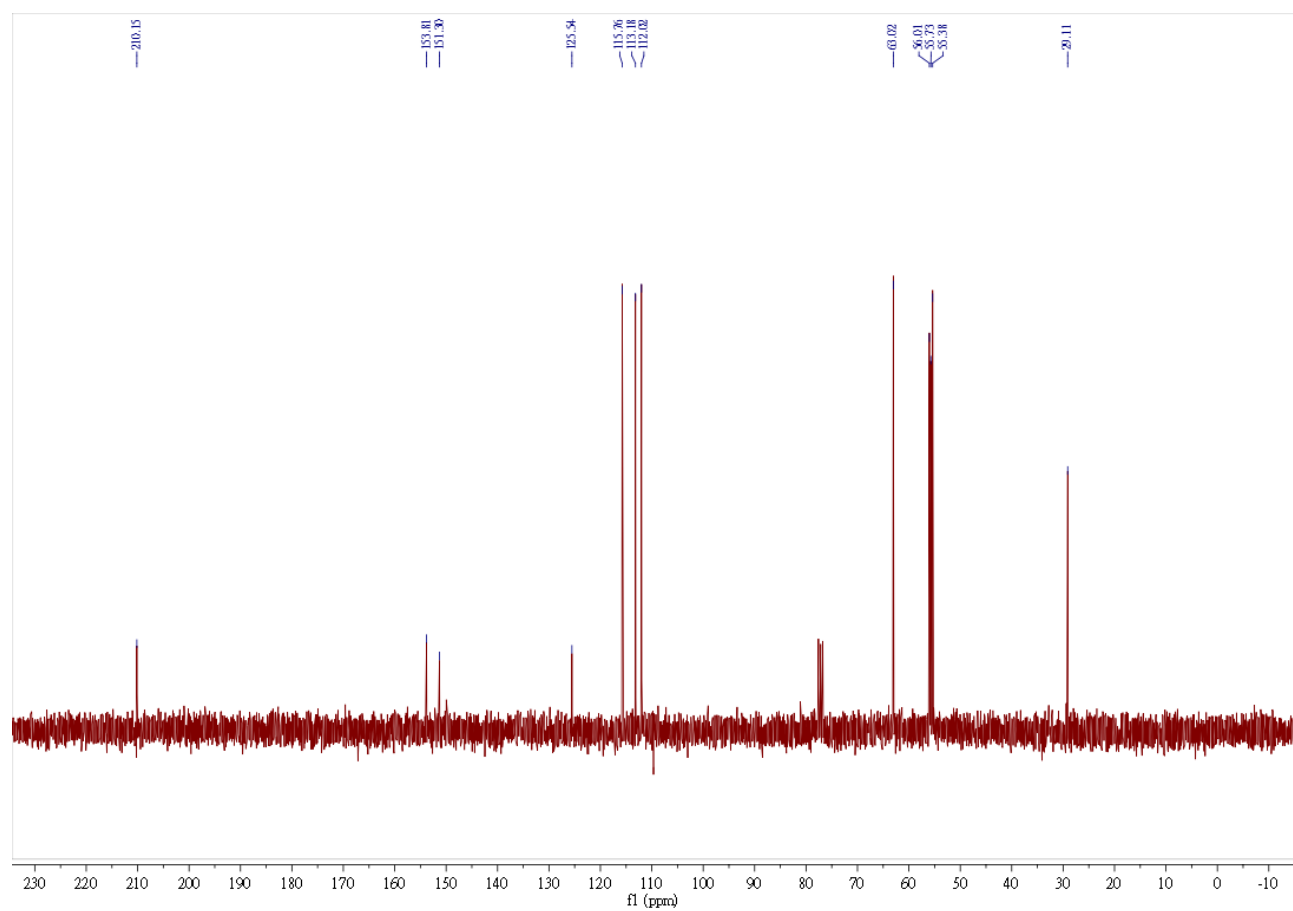
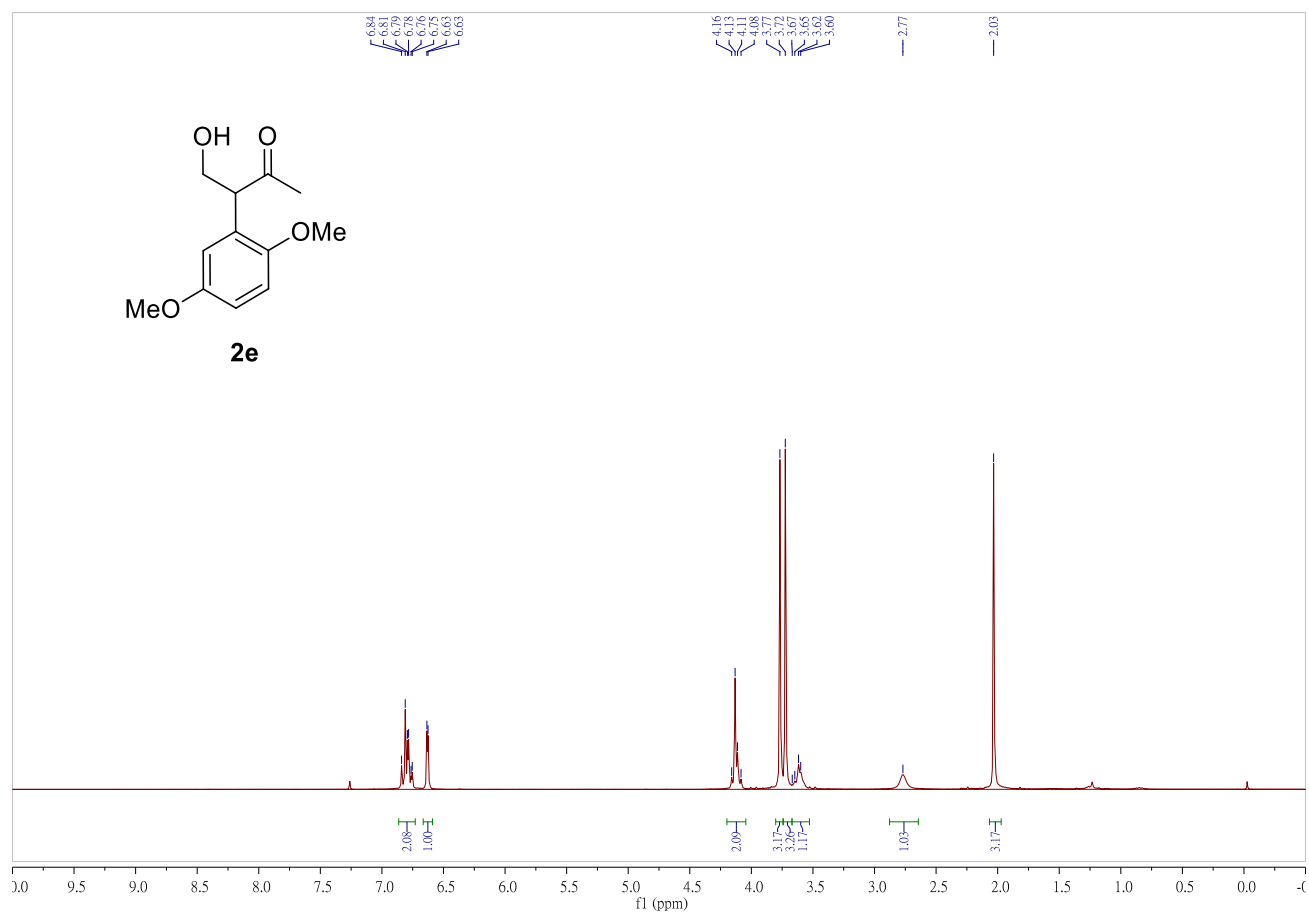
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PL2 4.00 dB
PL12 11.75 dB
SFO2 400.130007 MHz

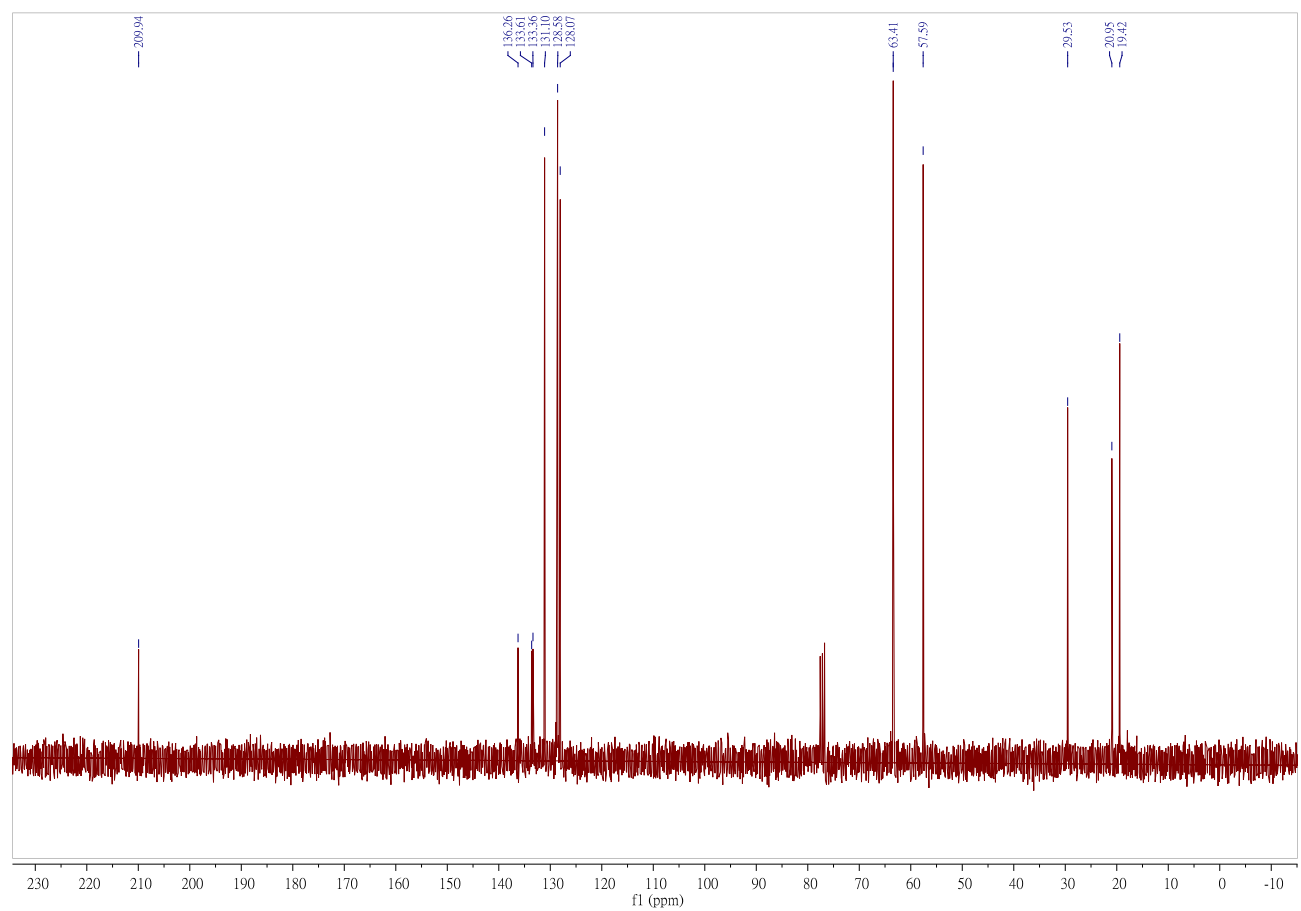
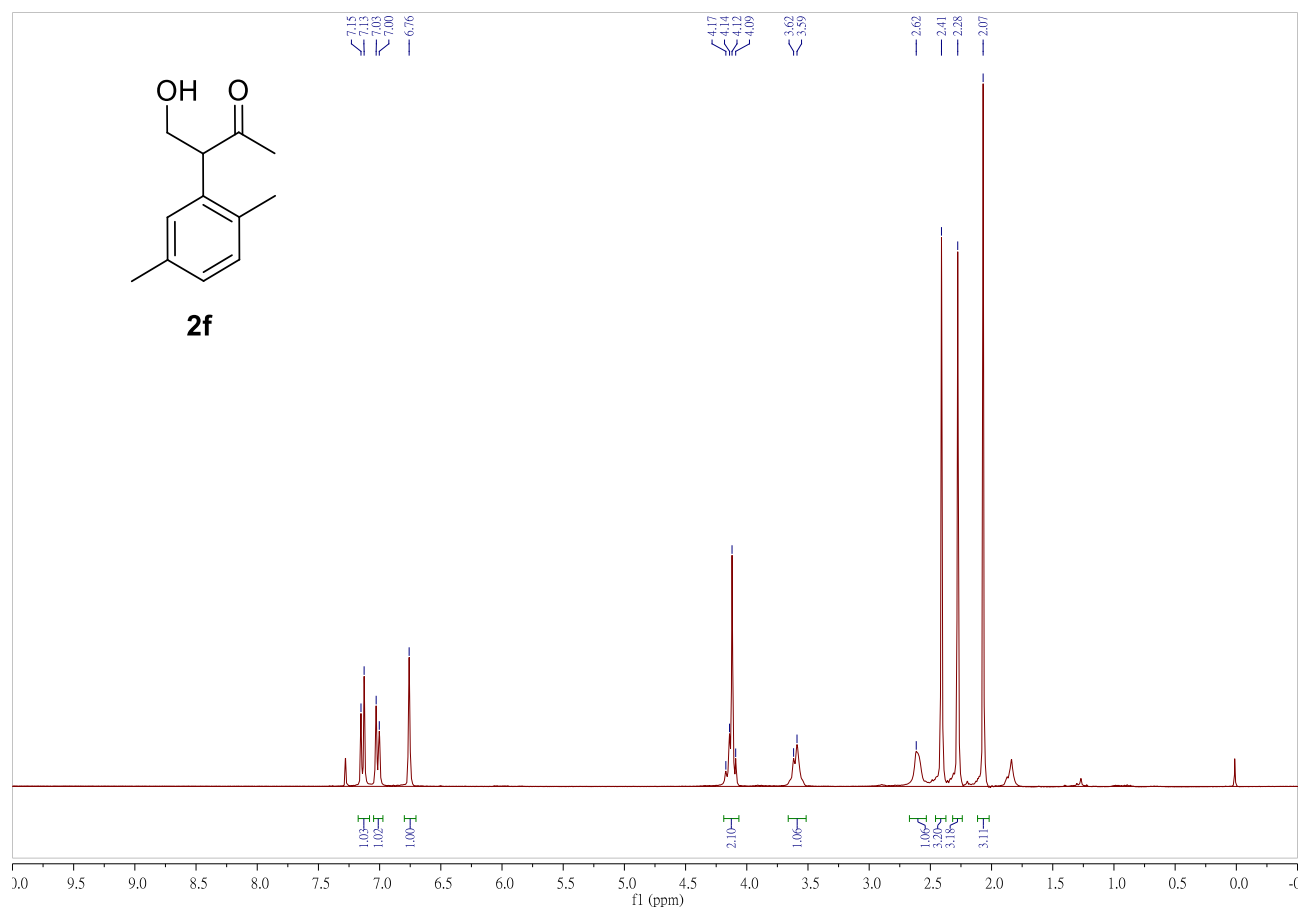
F2 - Processing parameters
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WDW EM
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LB 1.00 Hz
GB 0
PC 1.40

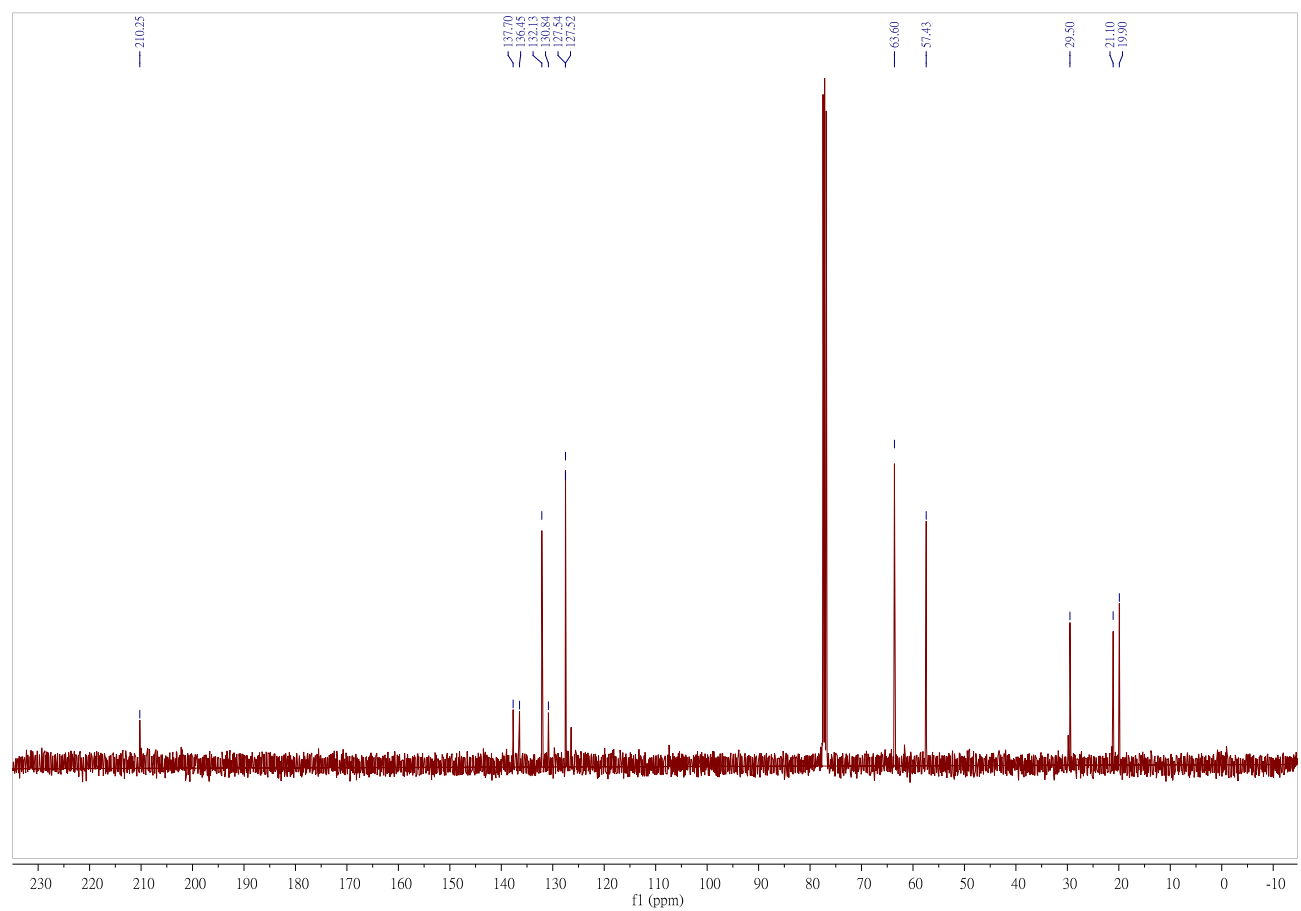
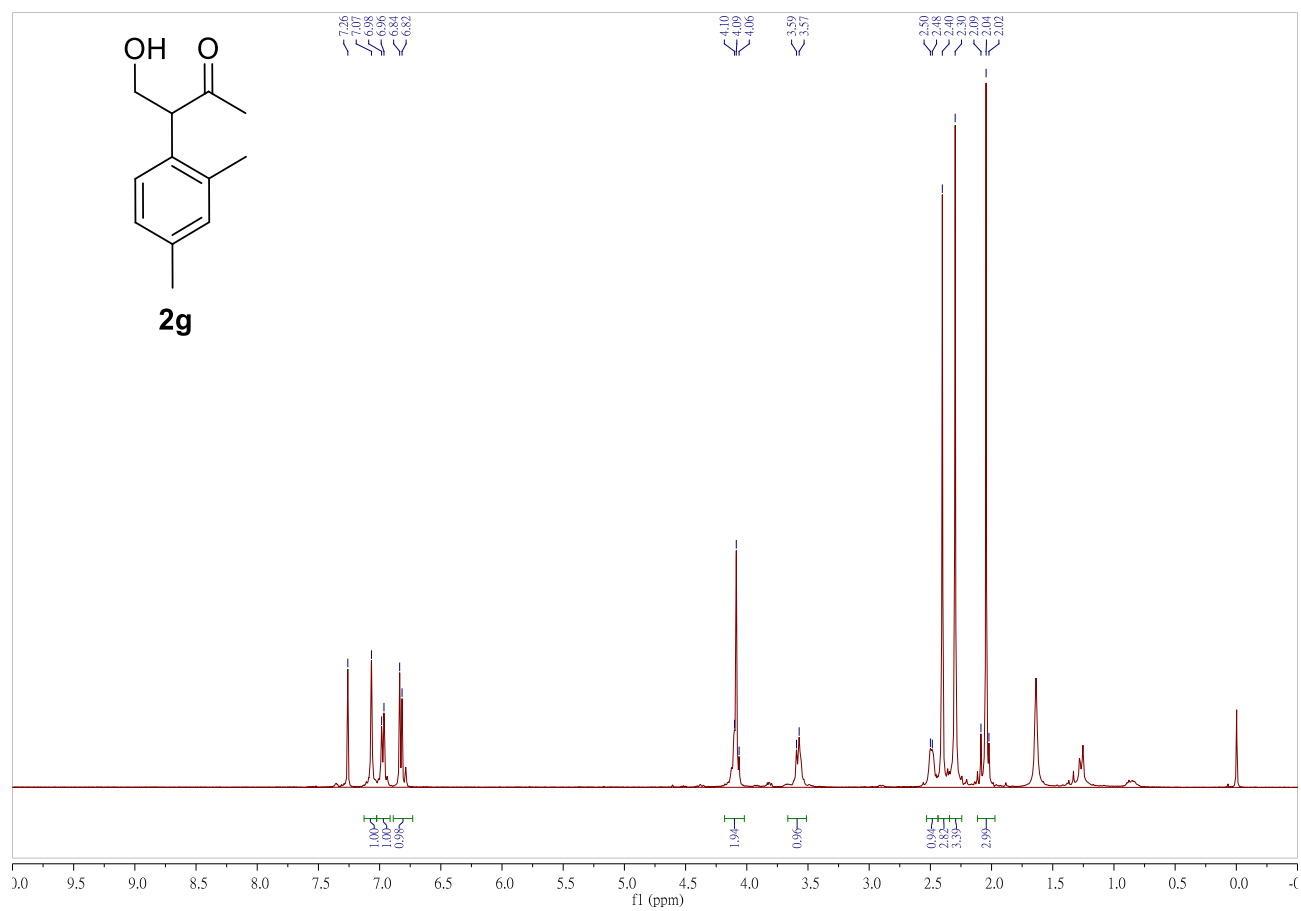
1D NMR plot parameters
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CY 20.00 cm
FID 200.000 ppm
F1 20134.81 Hz
F2 -5.000 ppm
F3 -503.00 Hz
PPHCH 9.00000 ppm/cm
H2CH 305.51423 Hz/cm

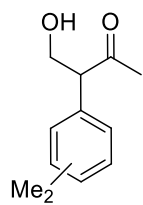
Brian's C-NMR for isolated X643-1
13/1 2011



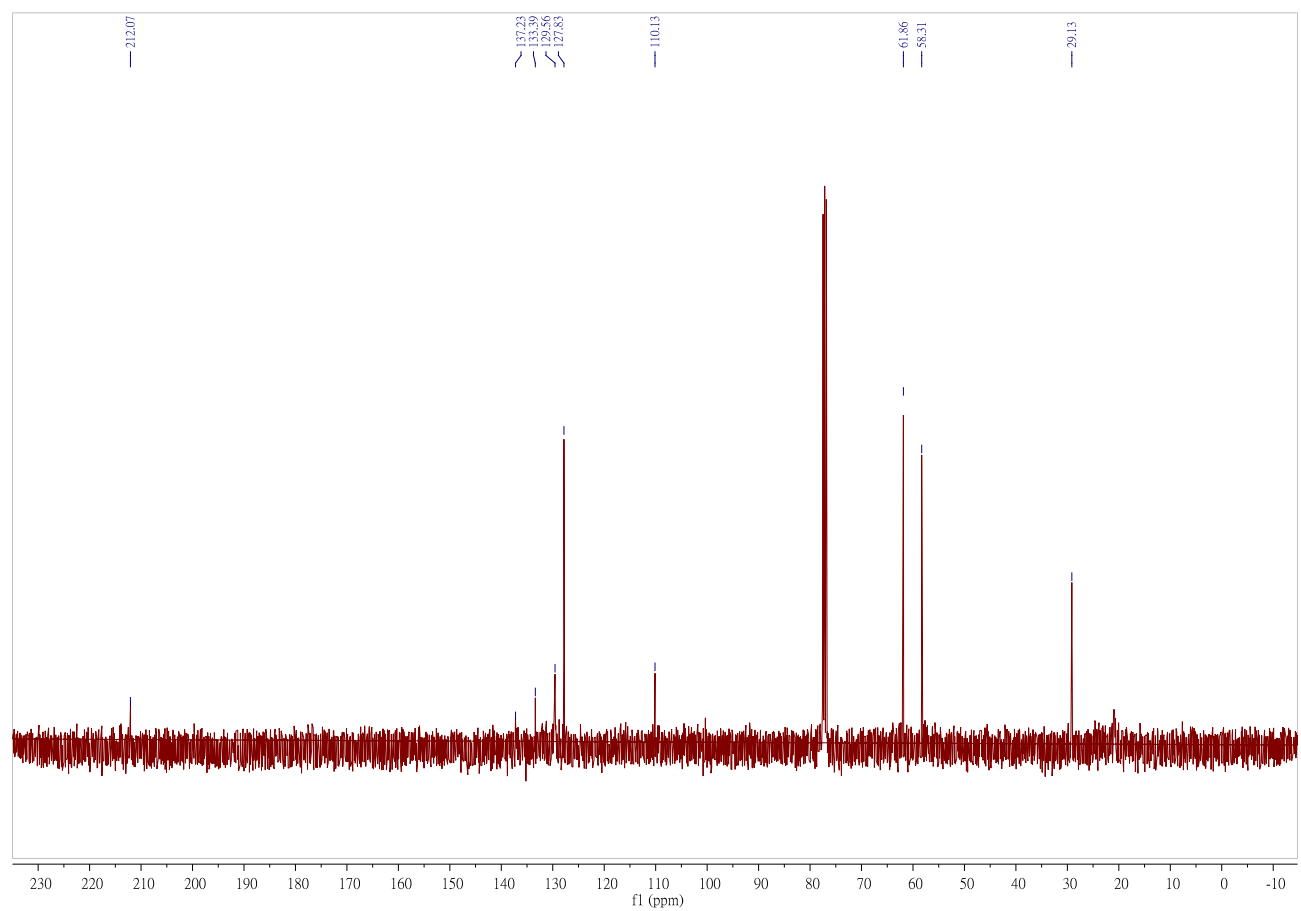
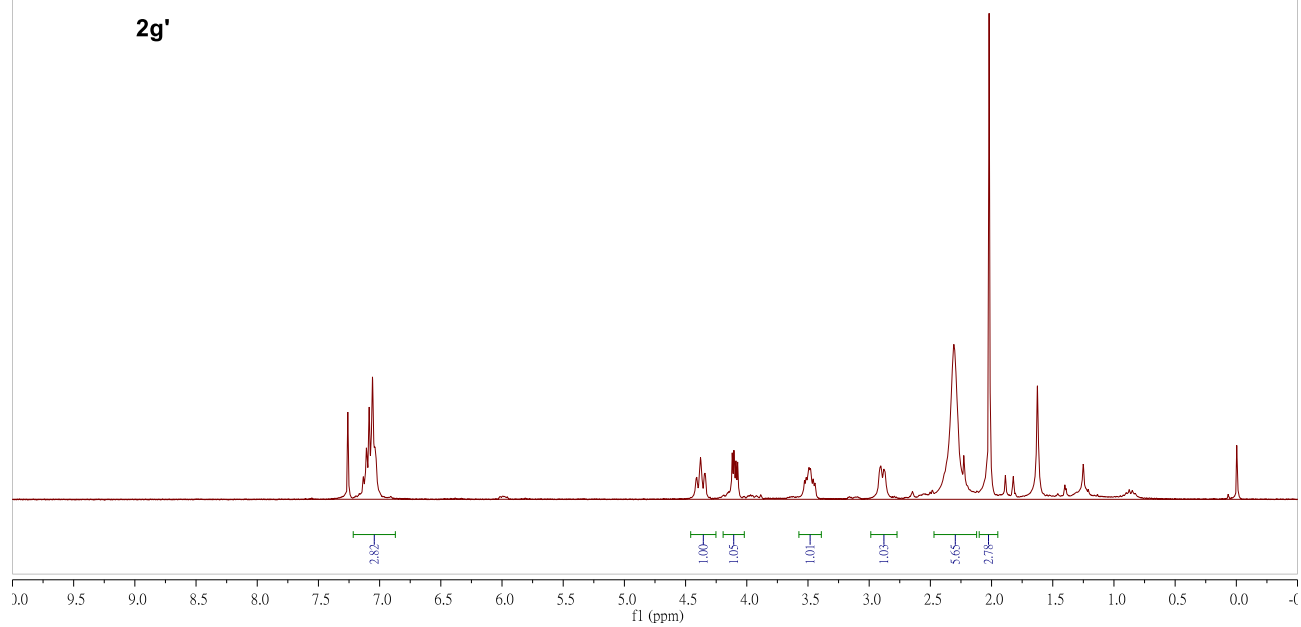


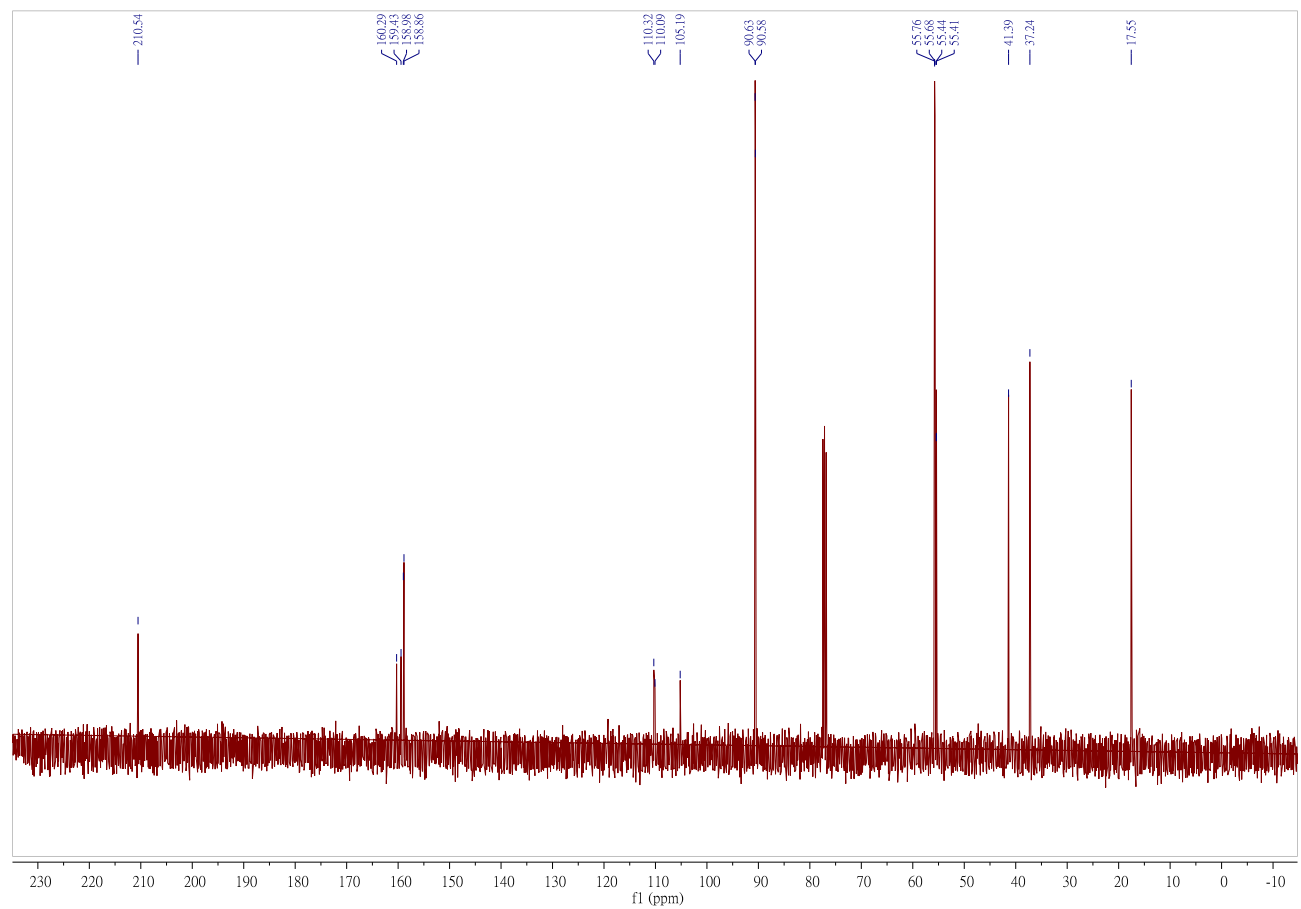
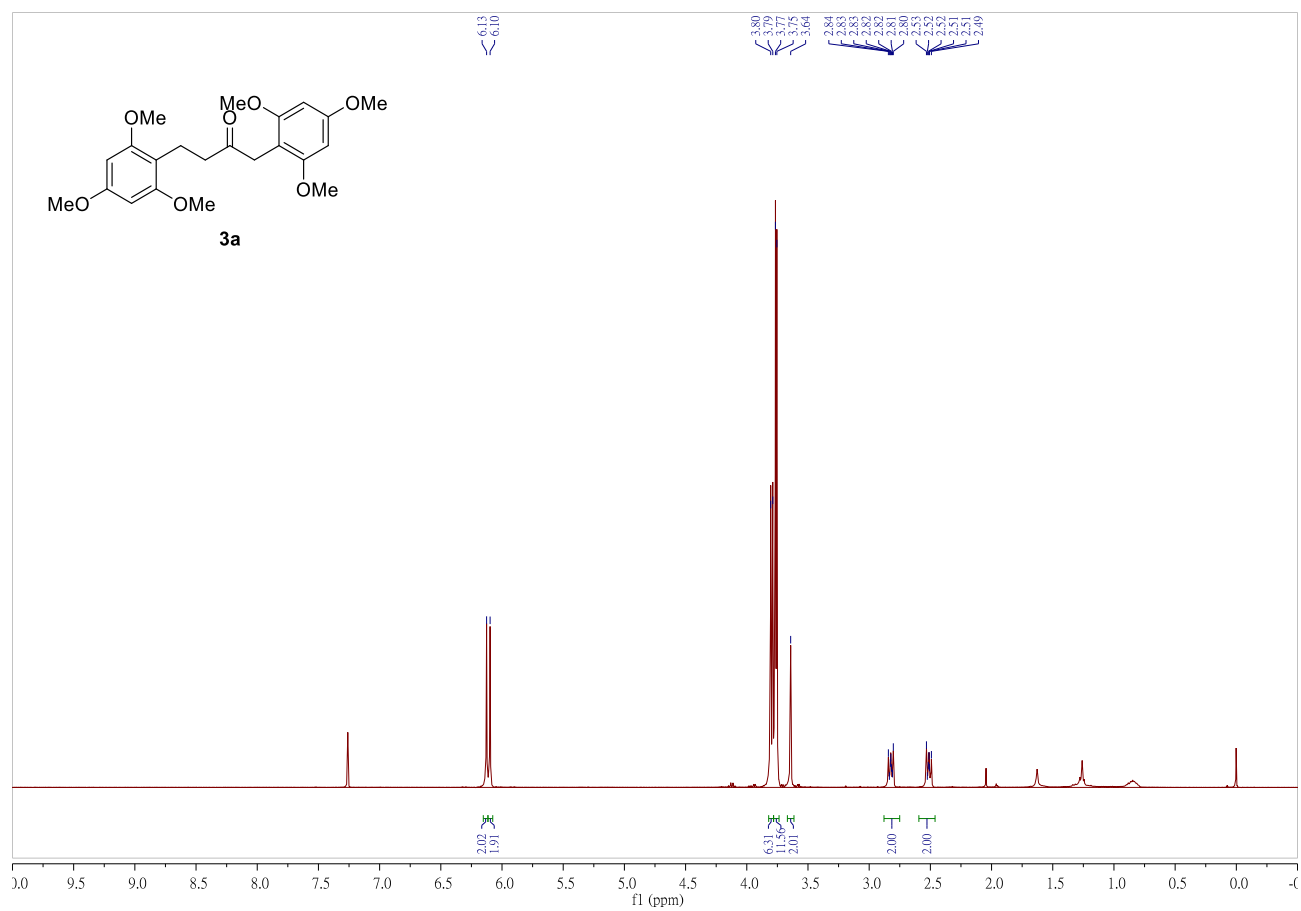


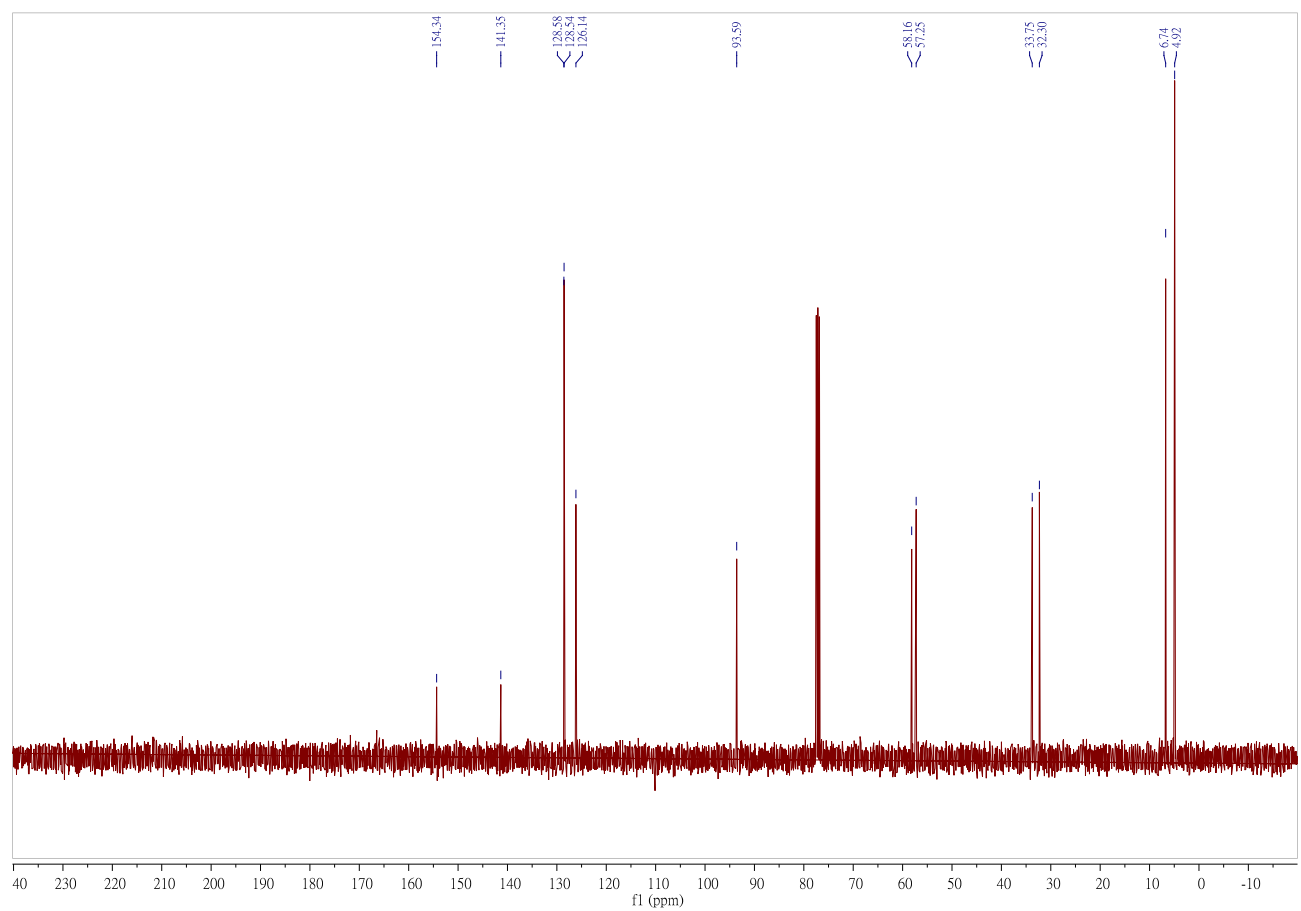
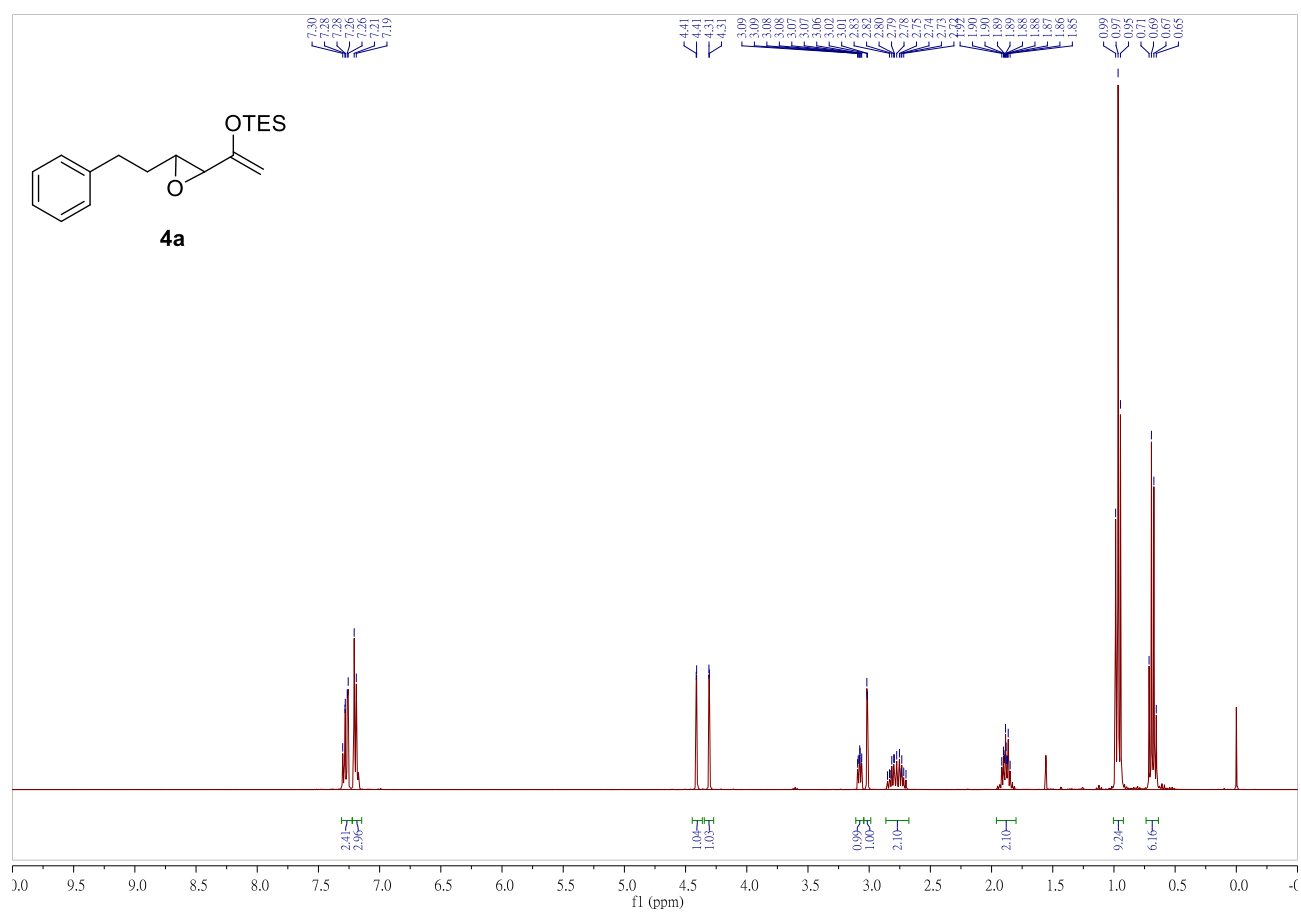


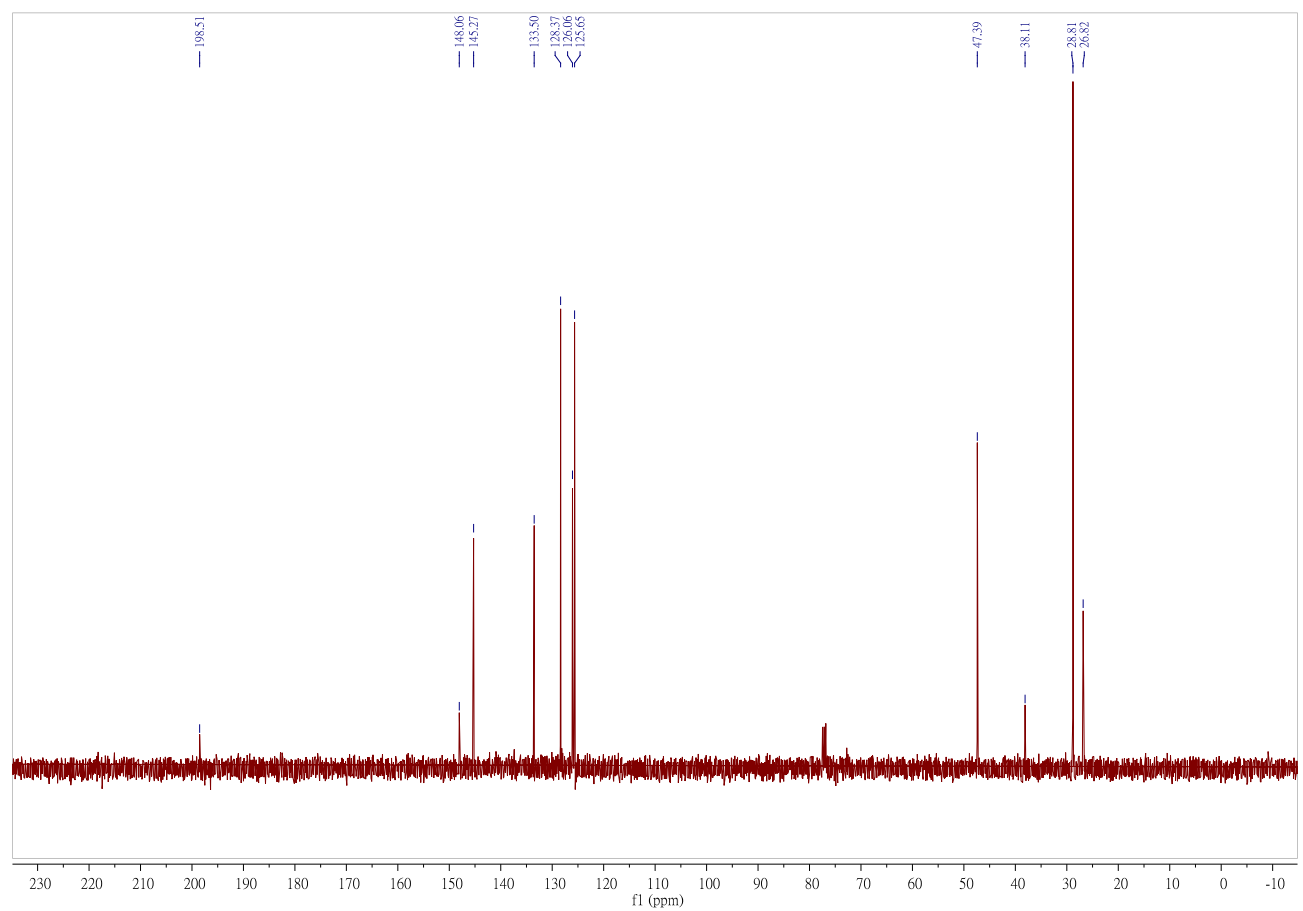
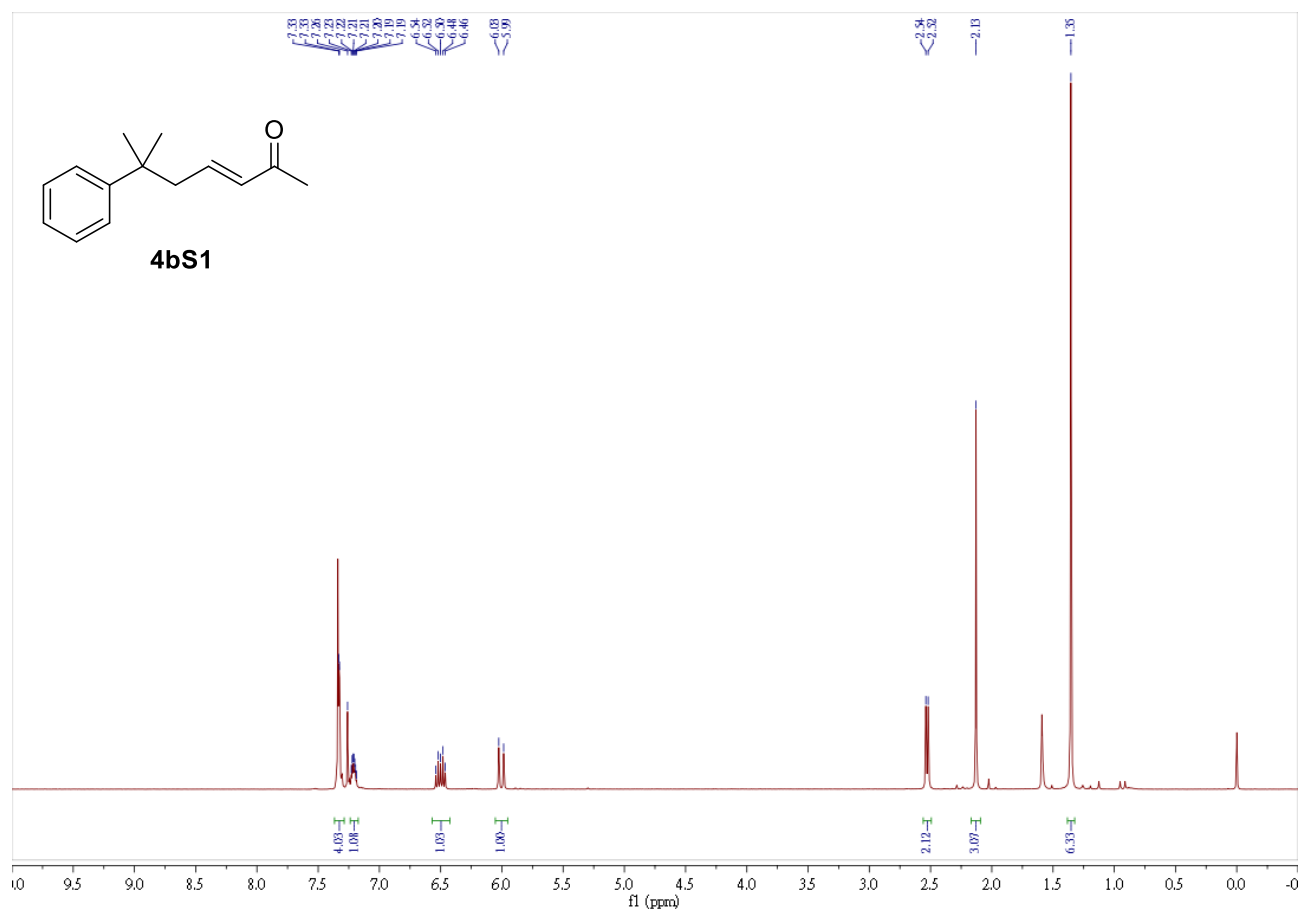


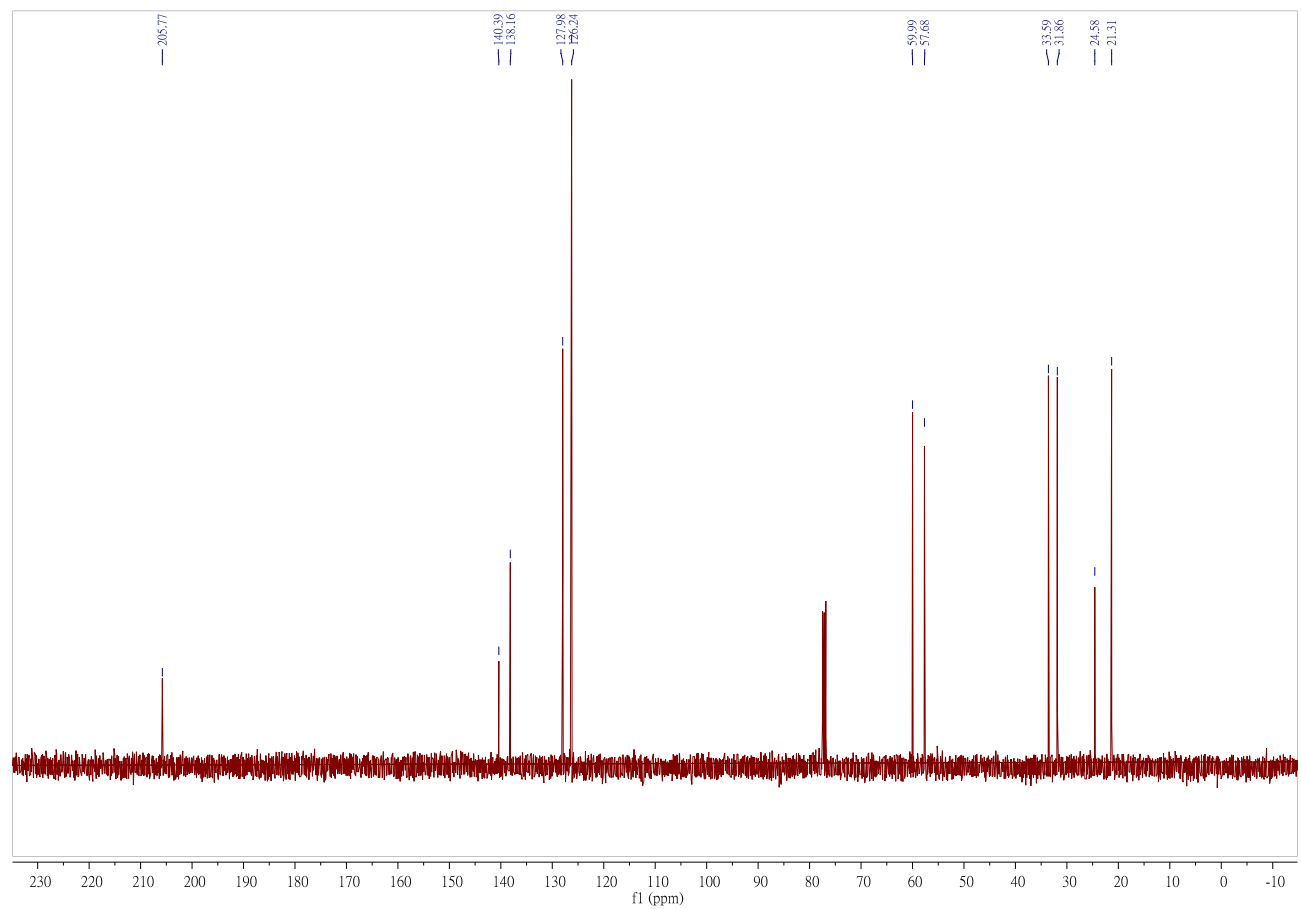
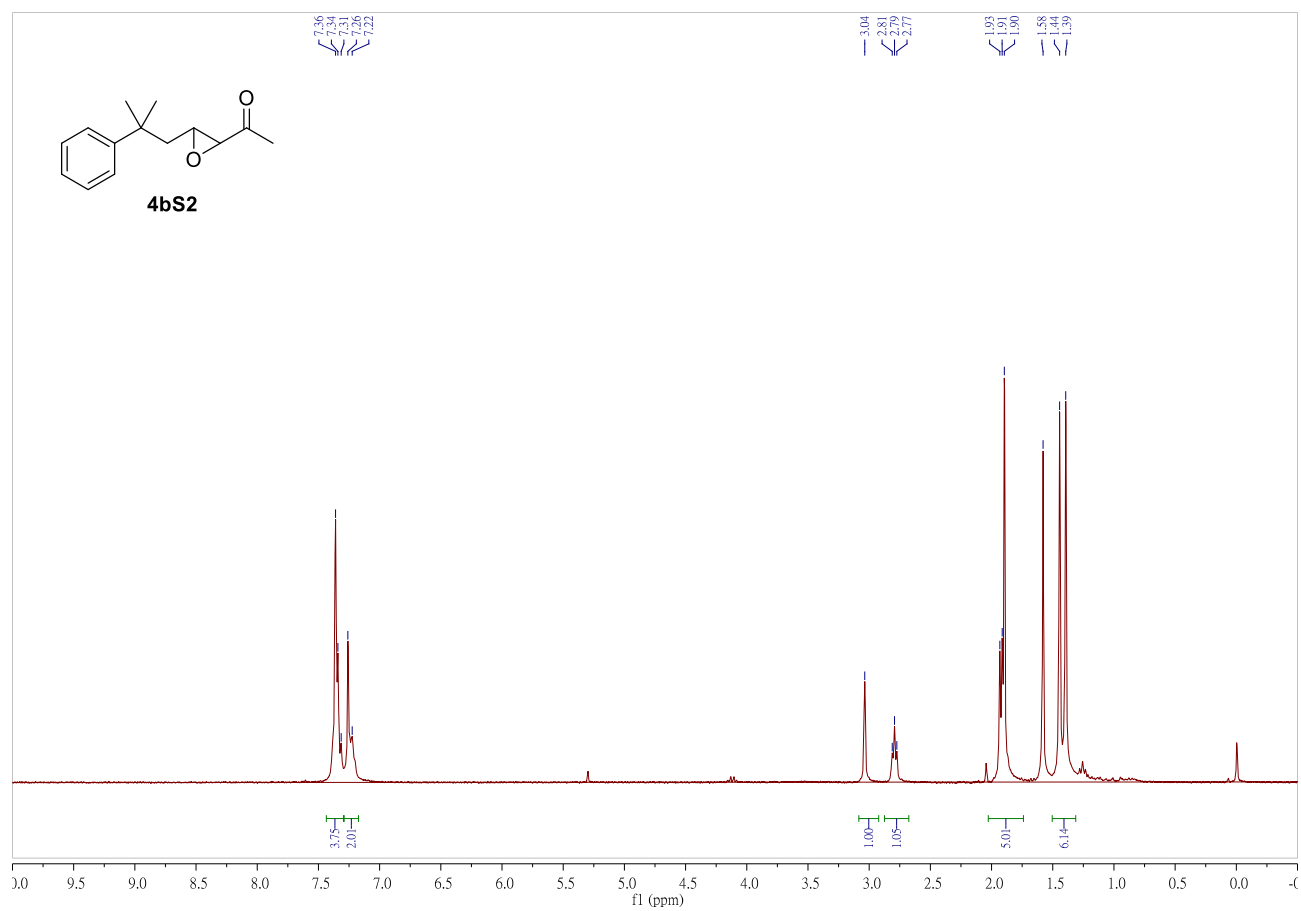
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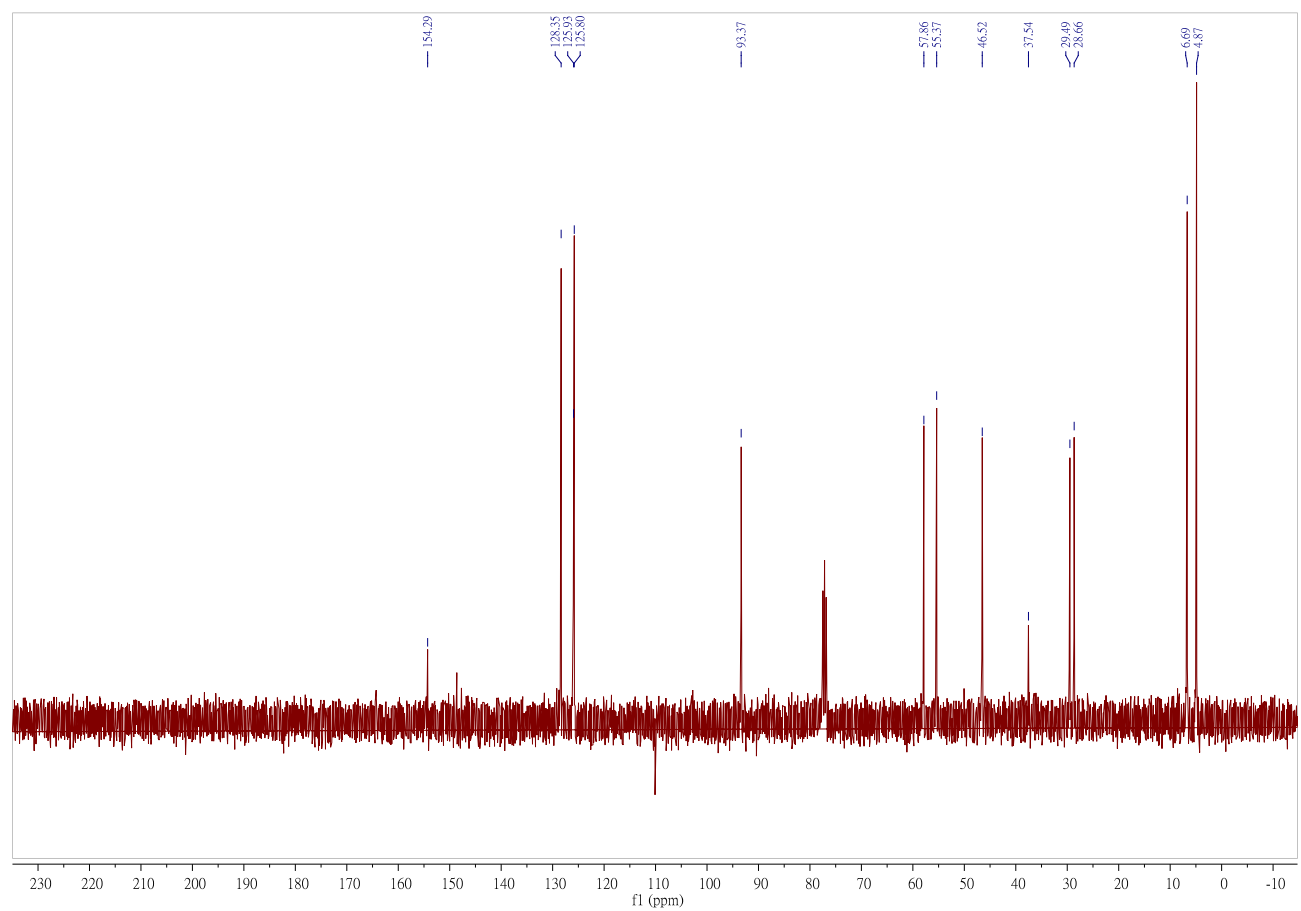
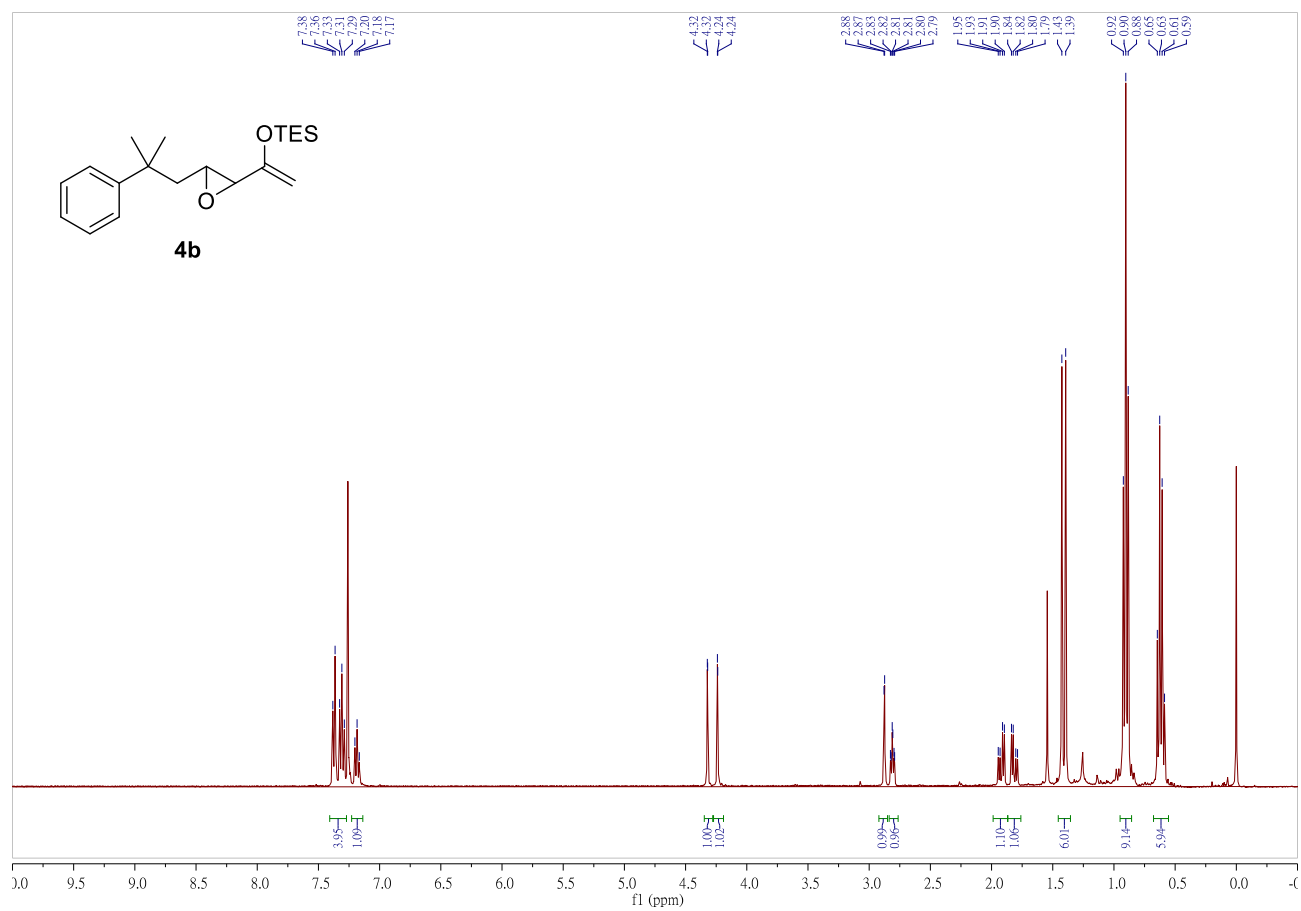


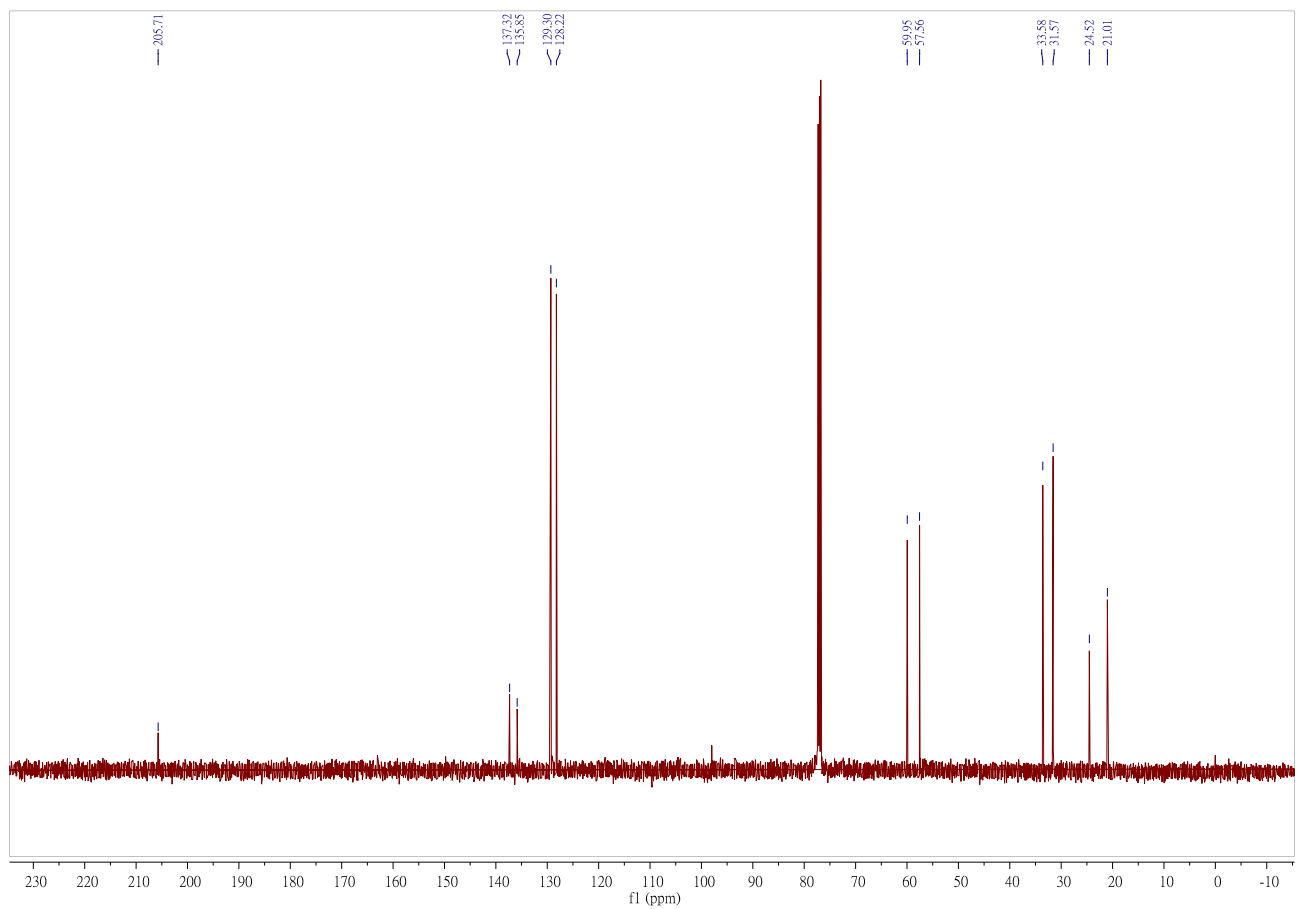
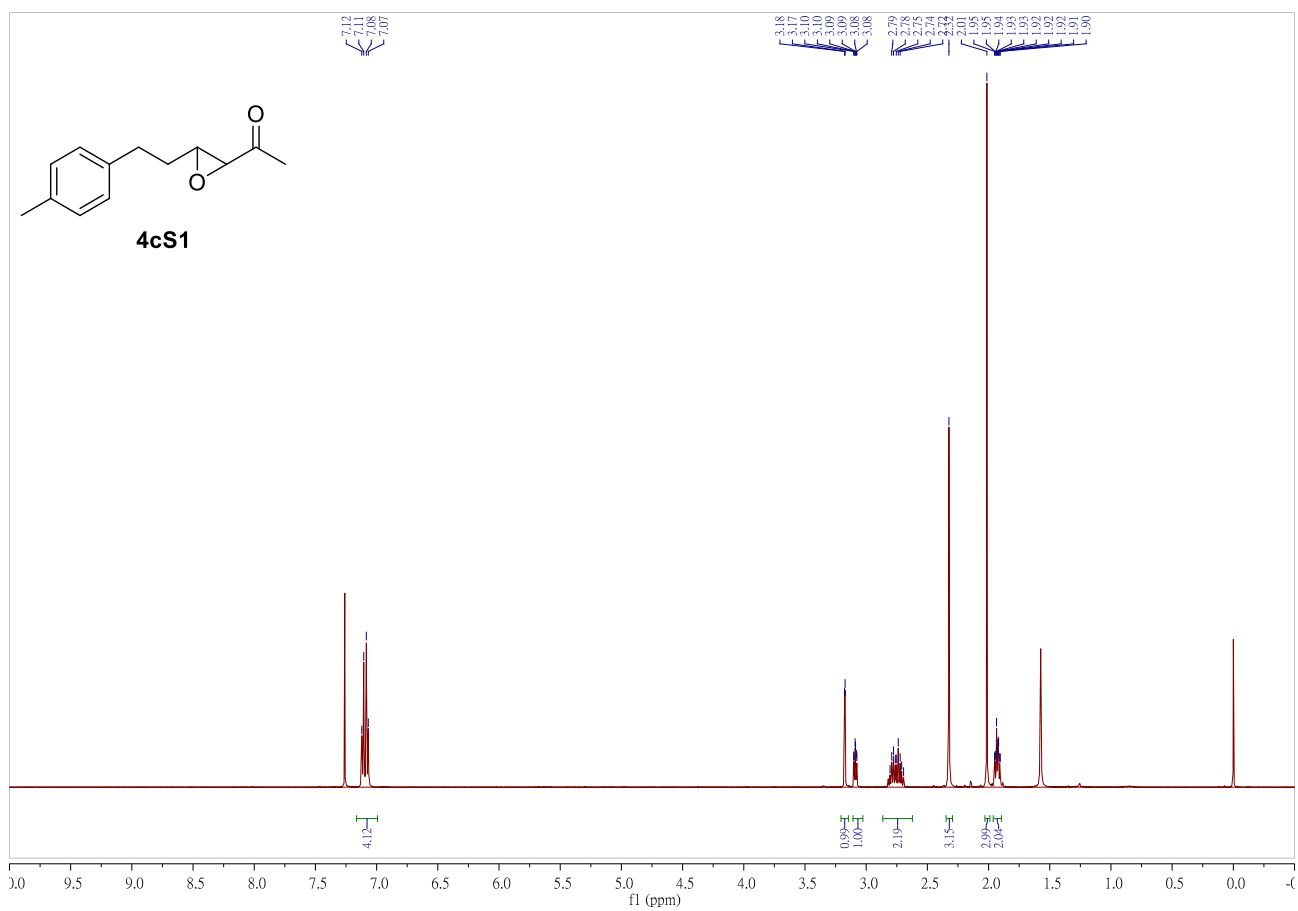


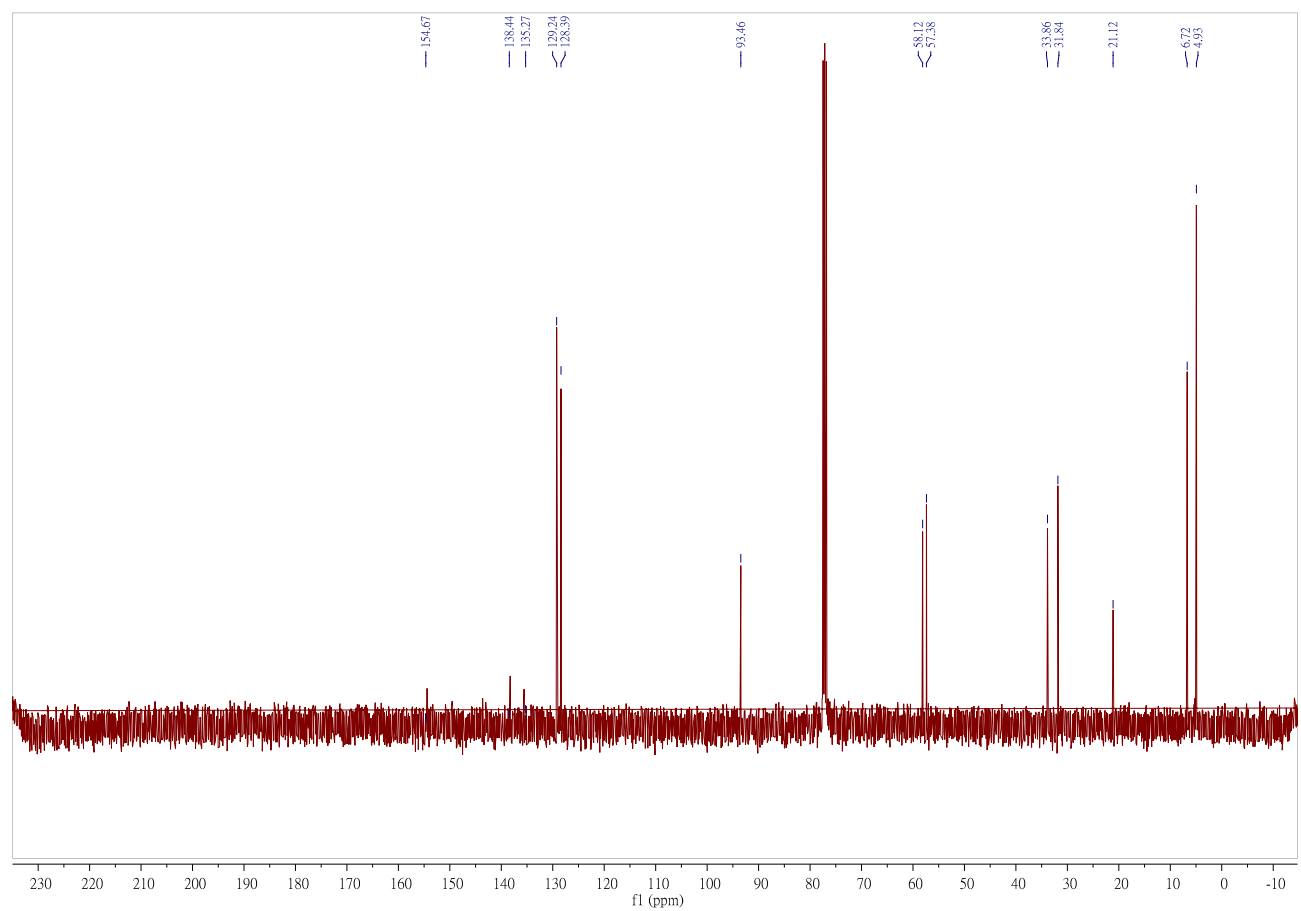
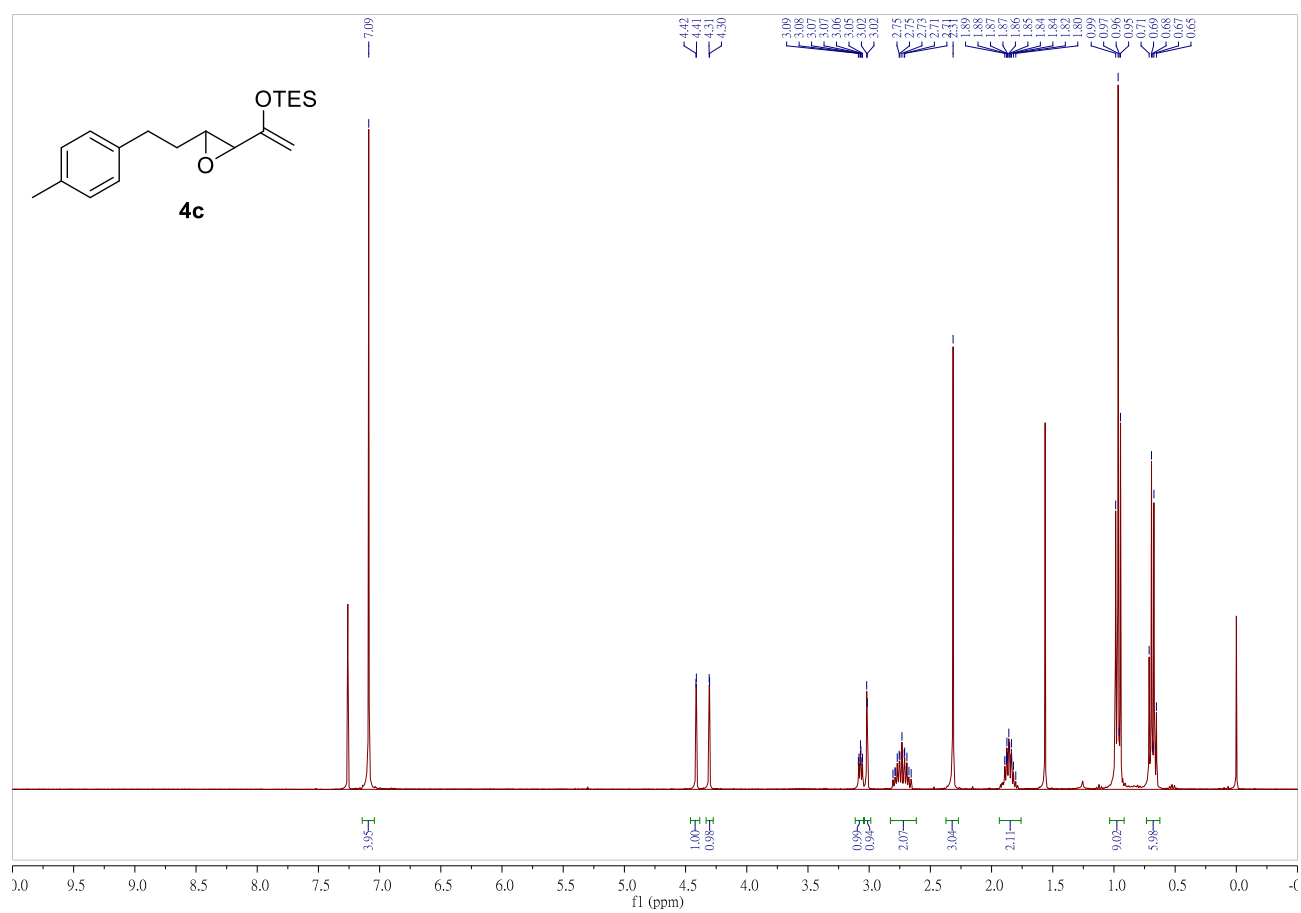


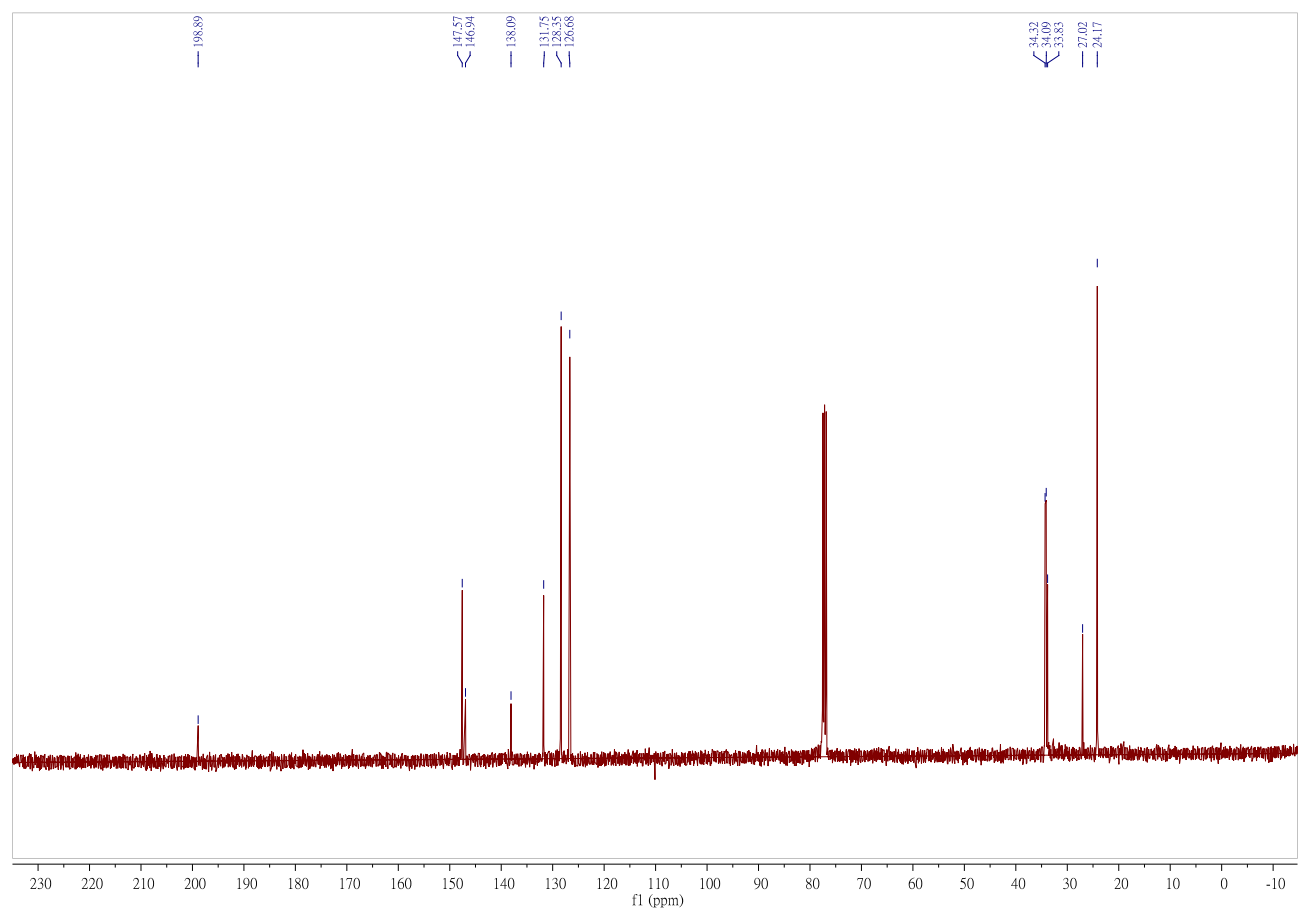
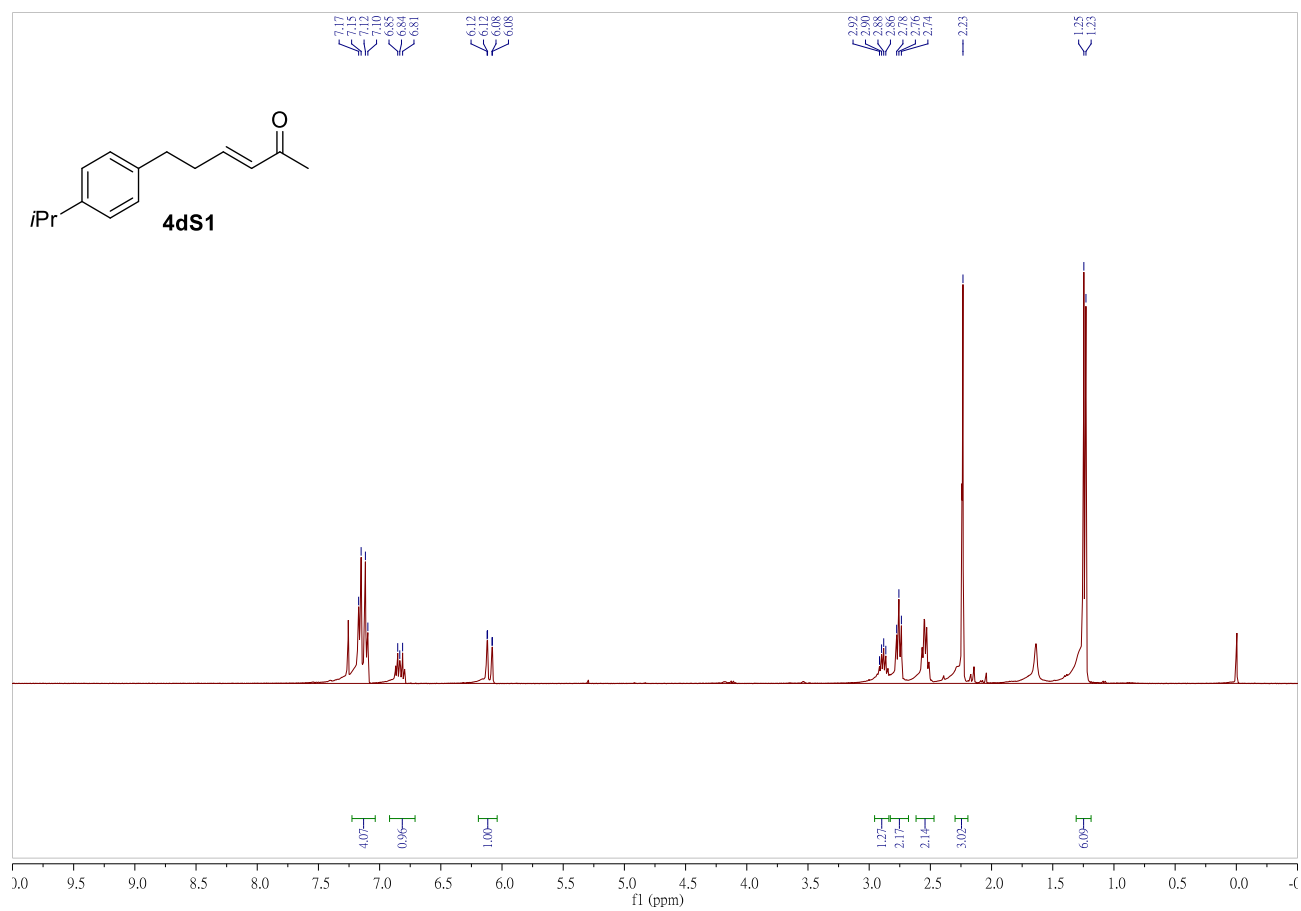


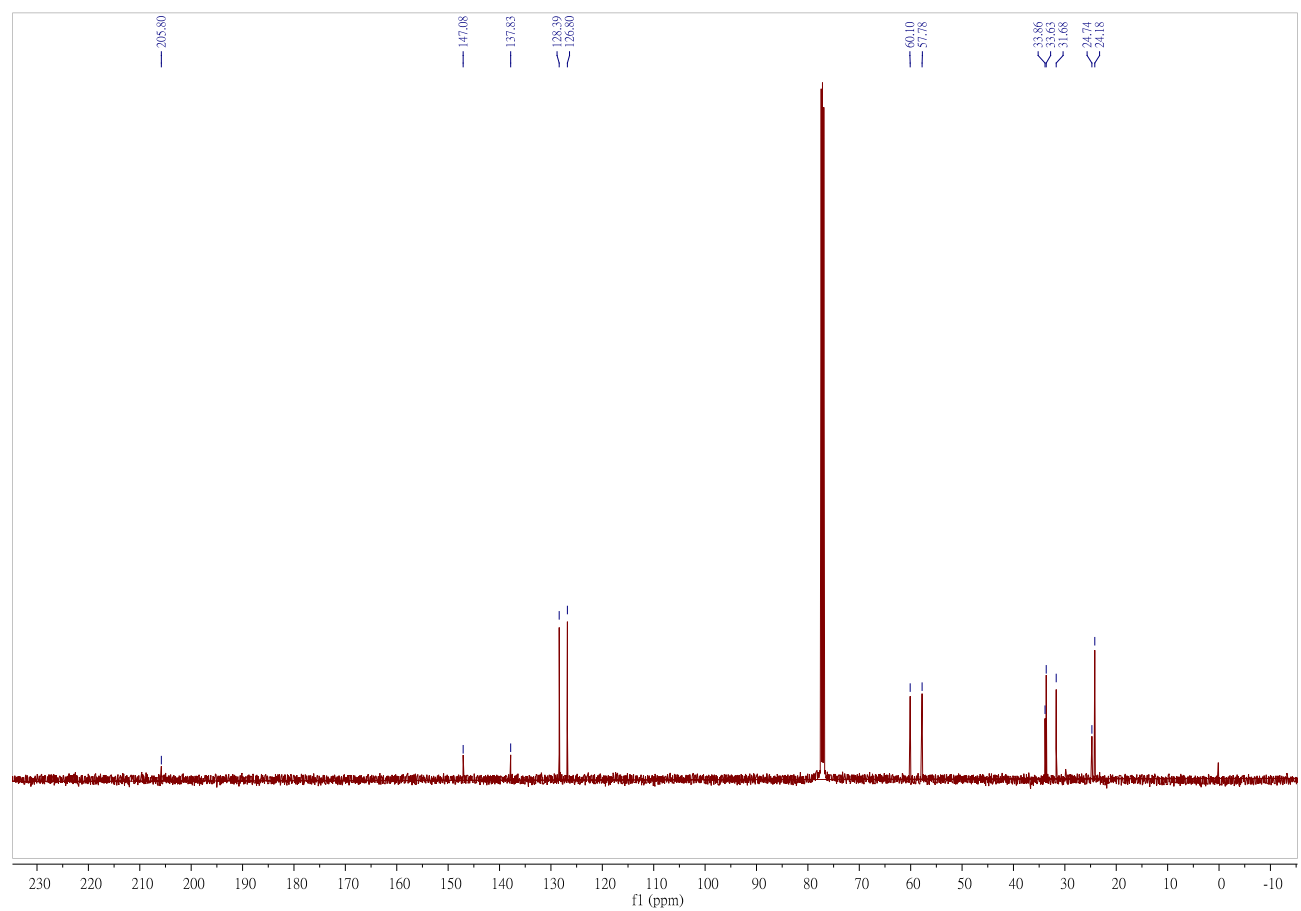
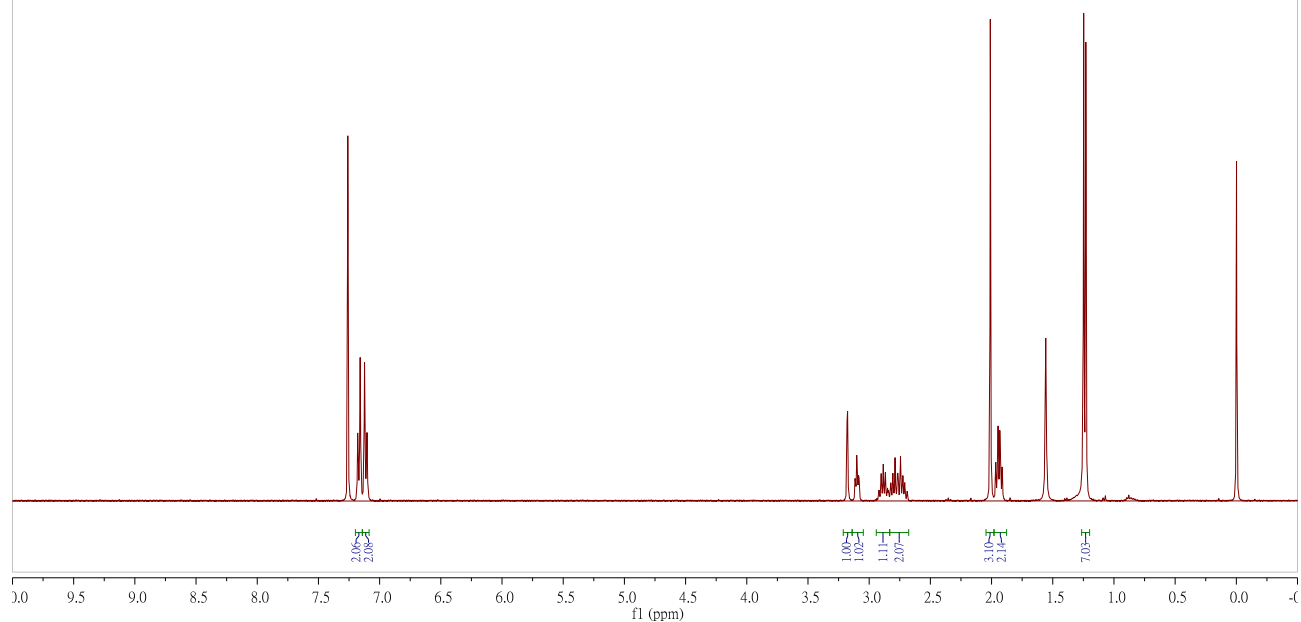
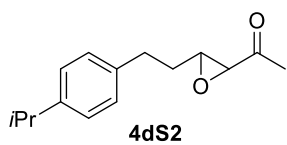


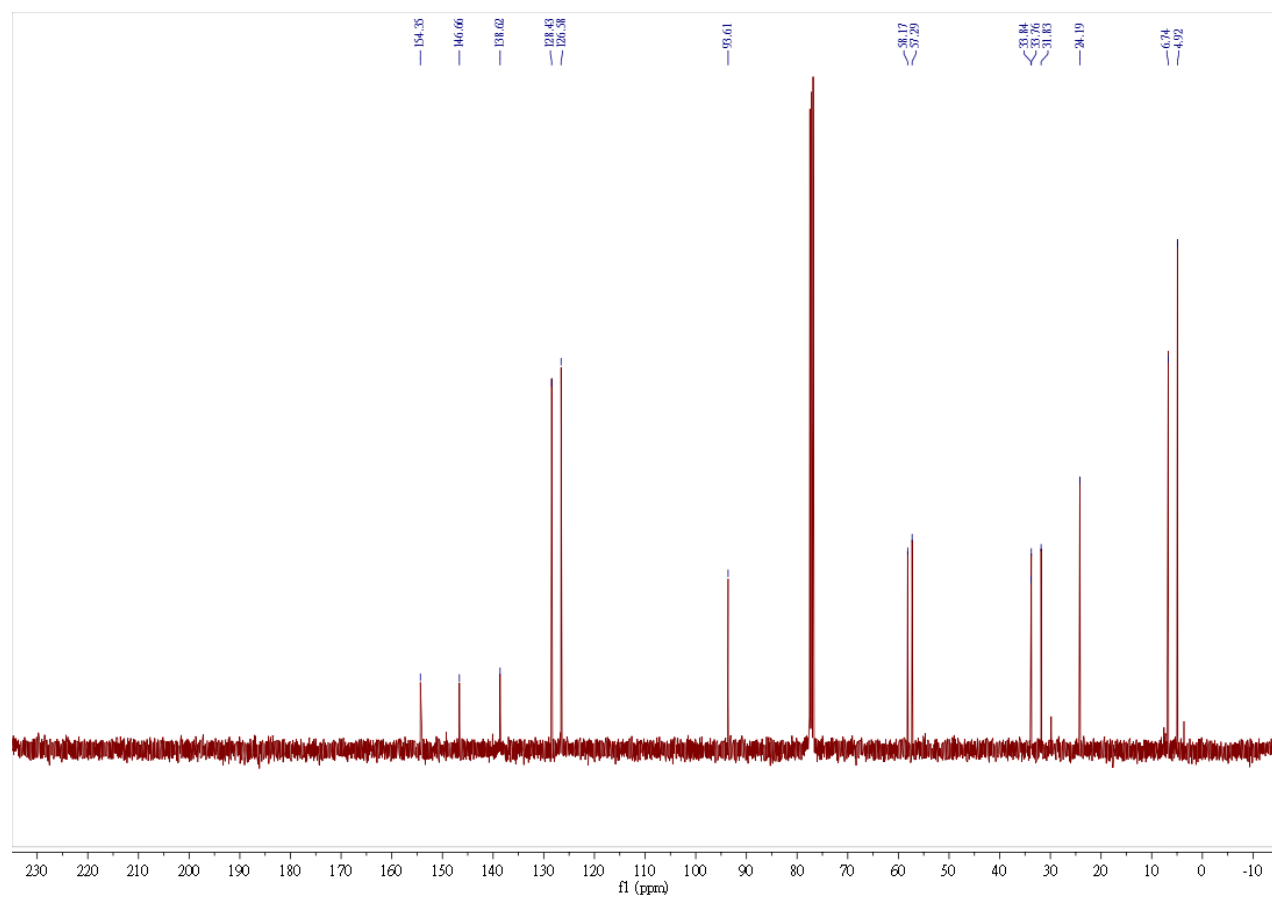
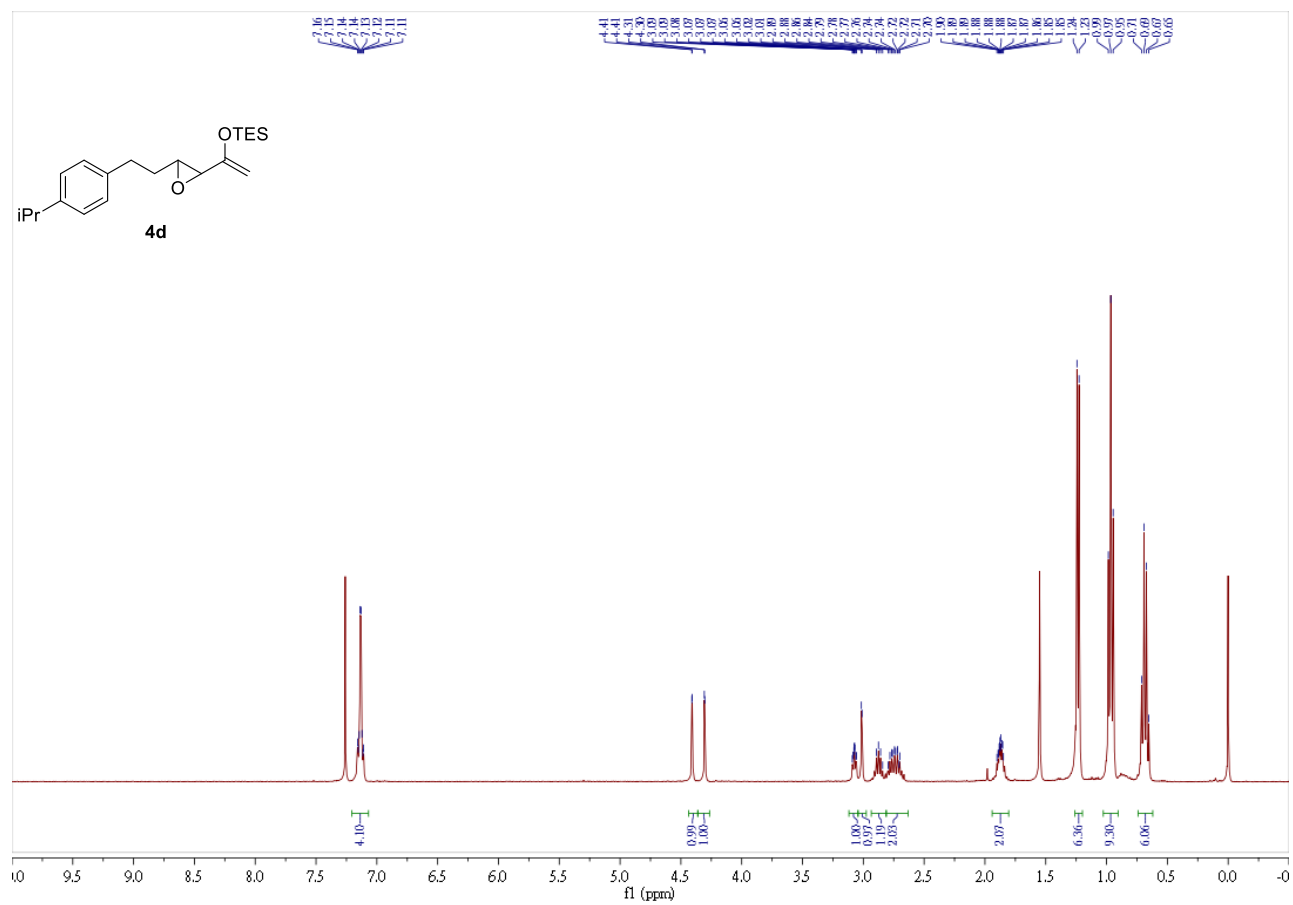


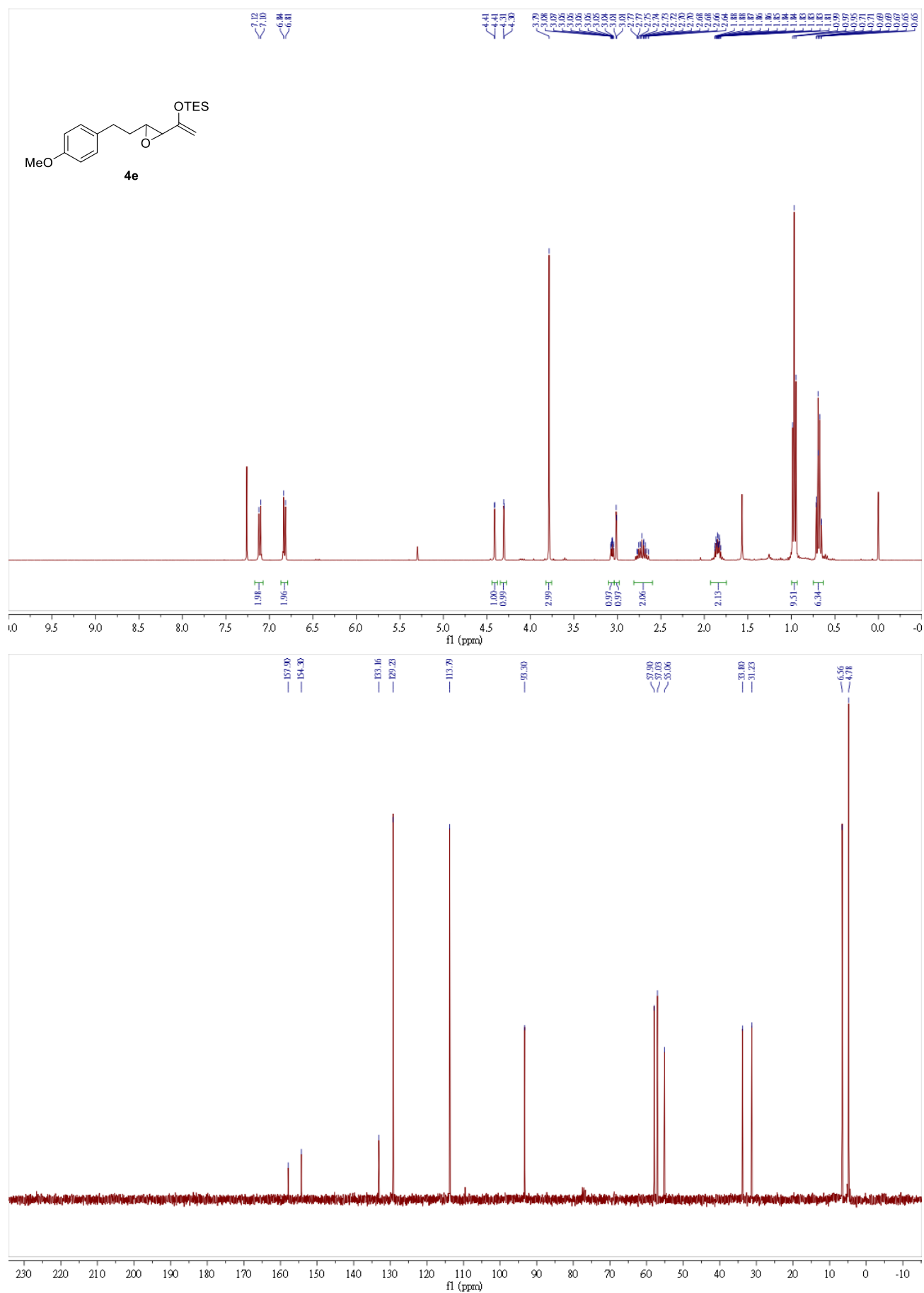


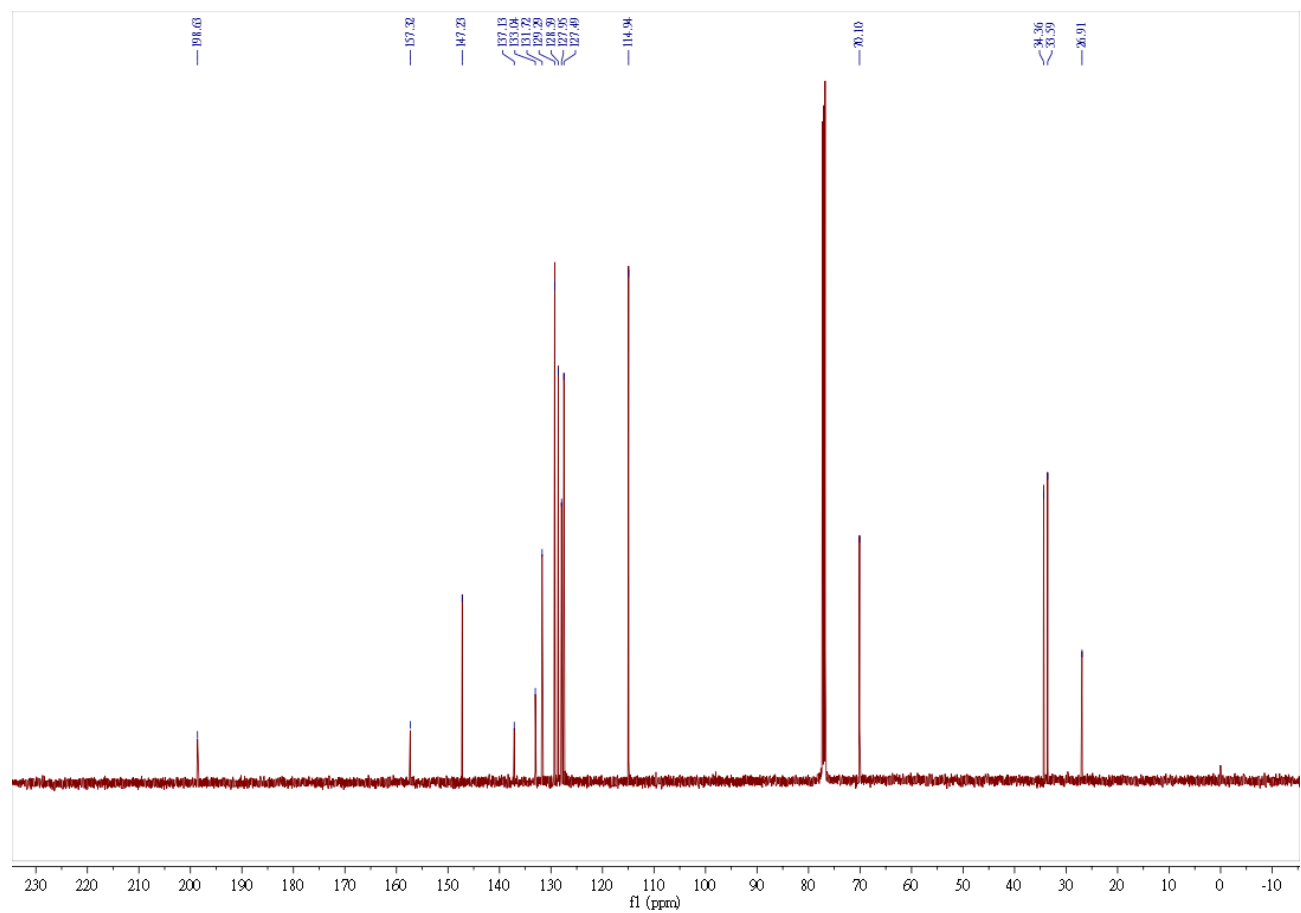
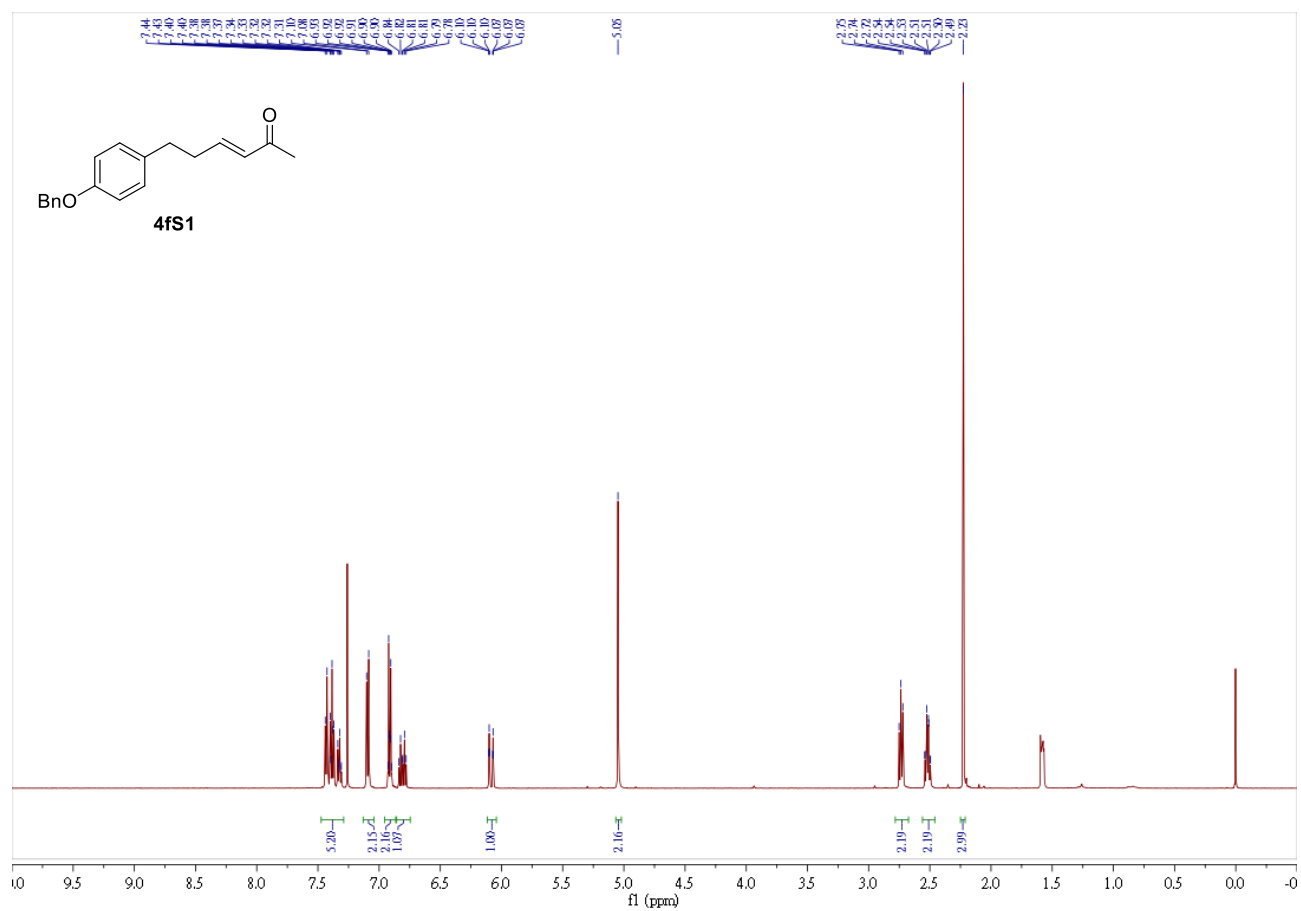


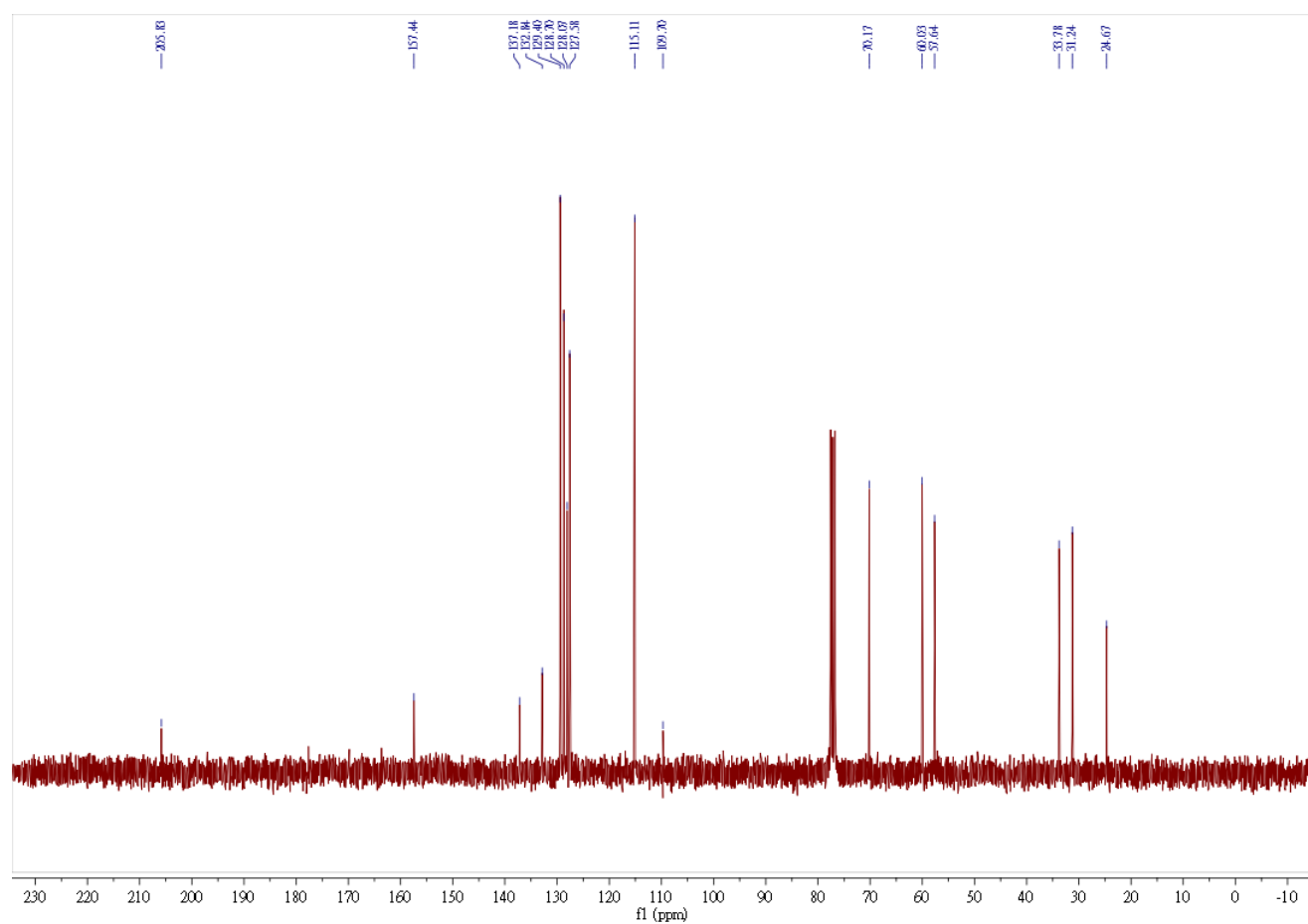
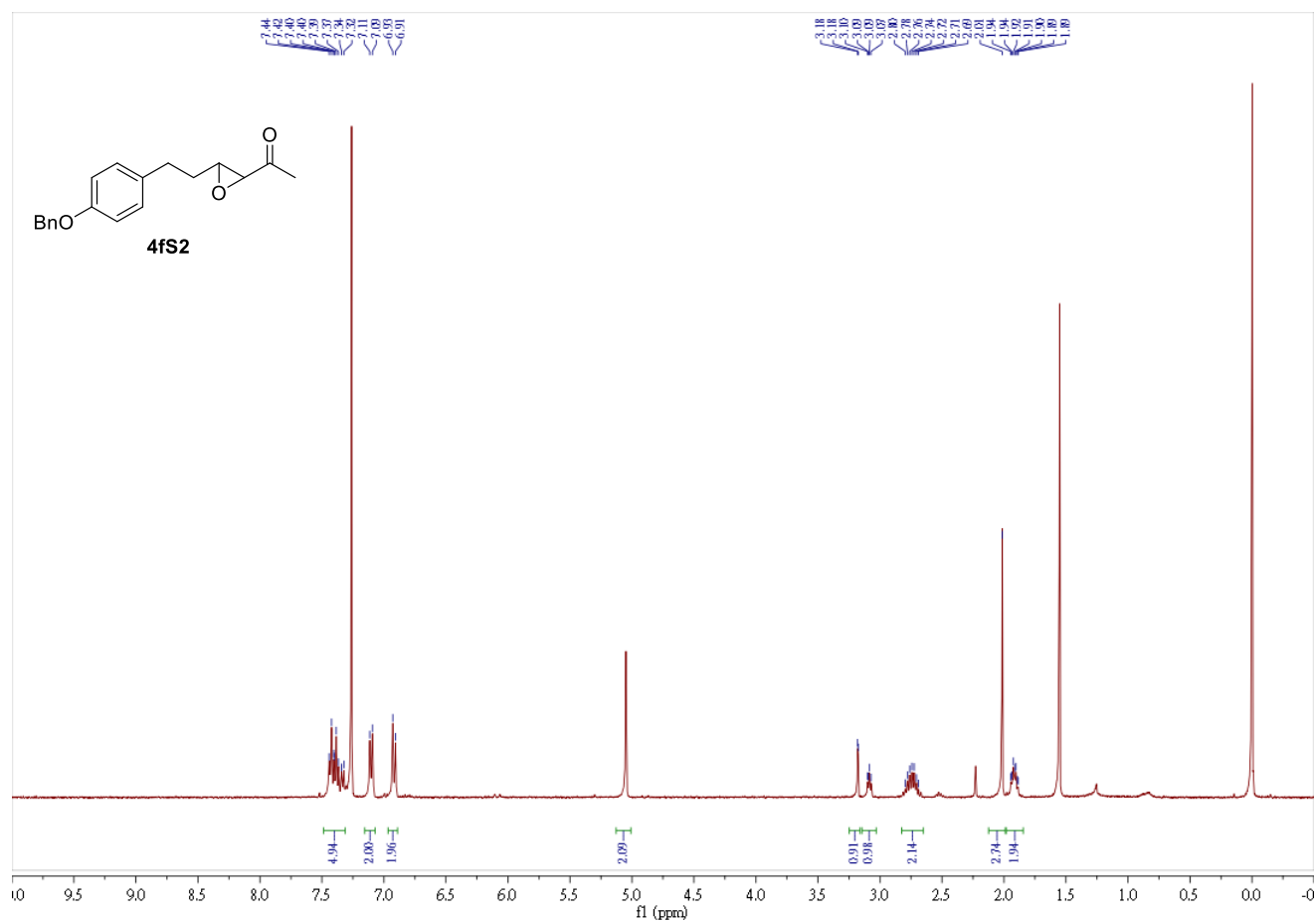


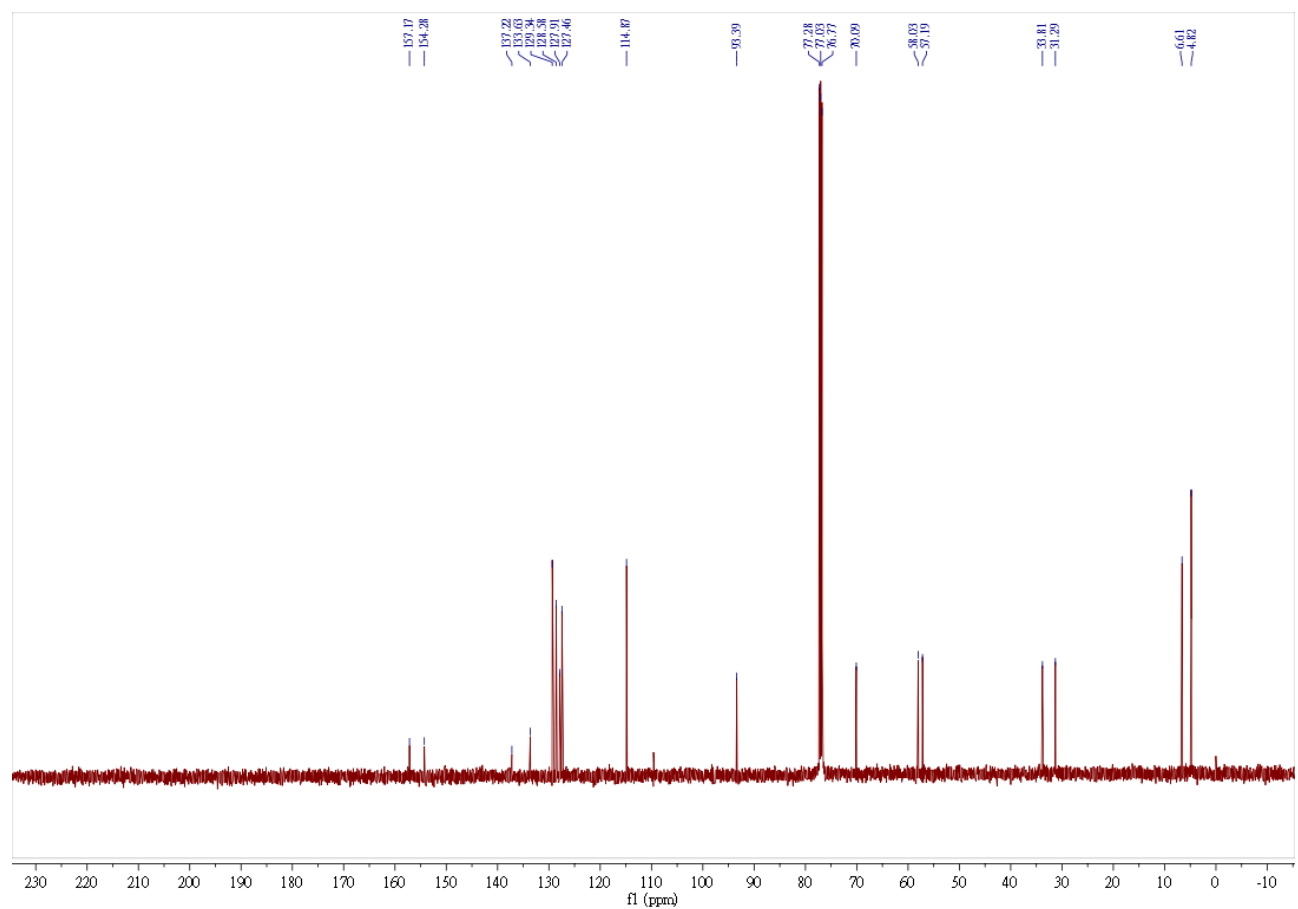
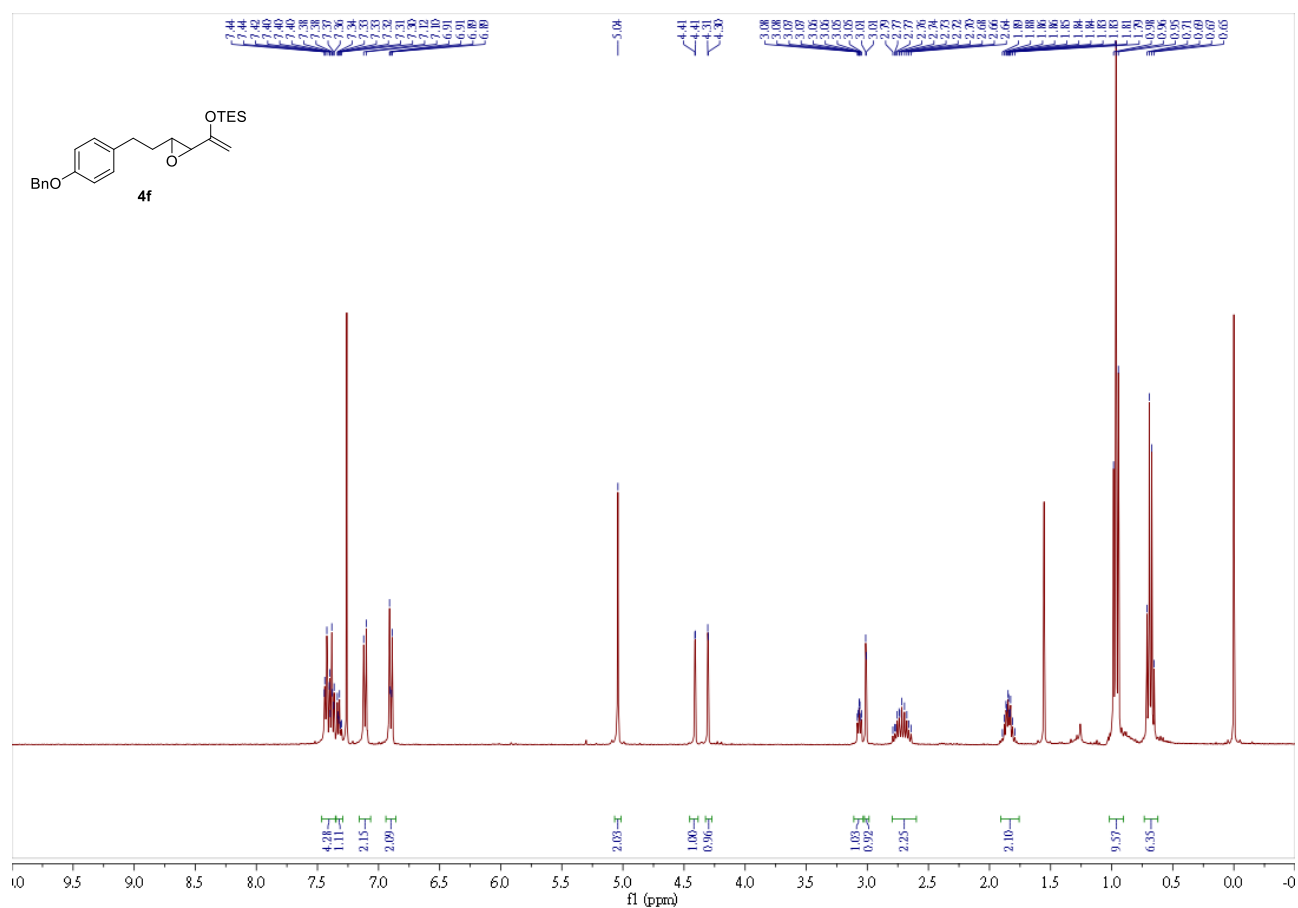


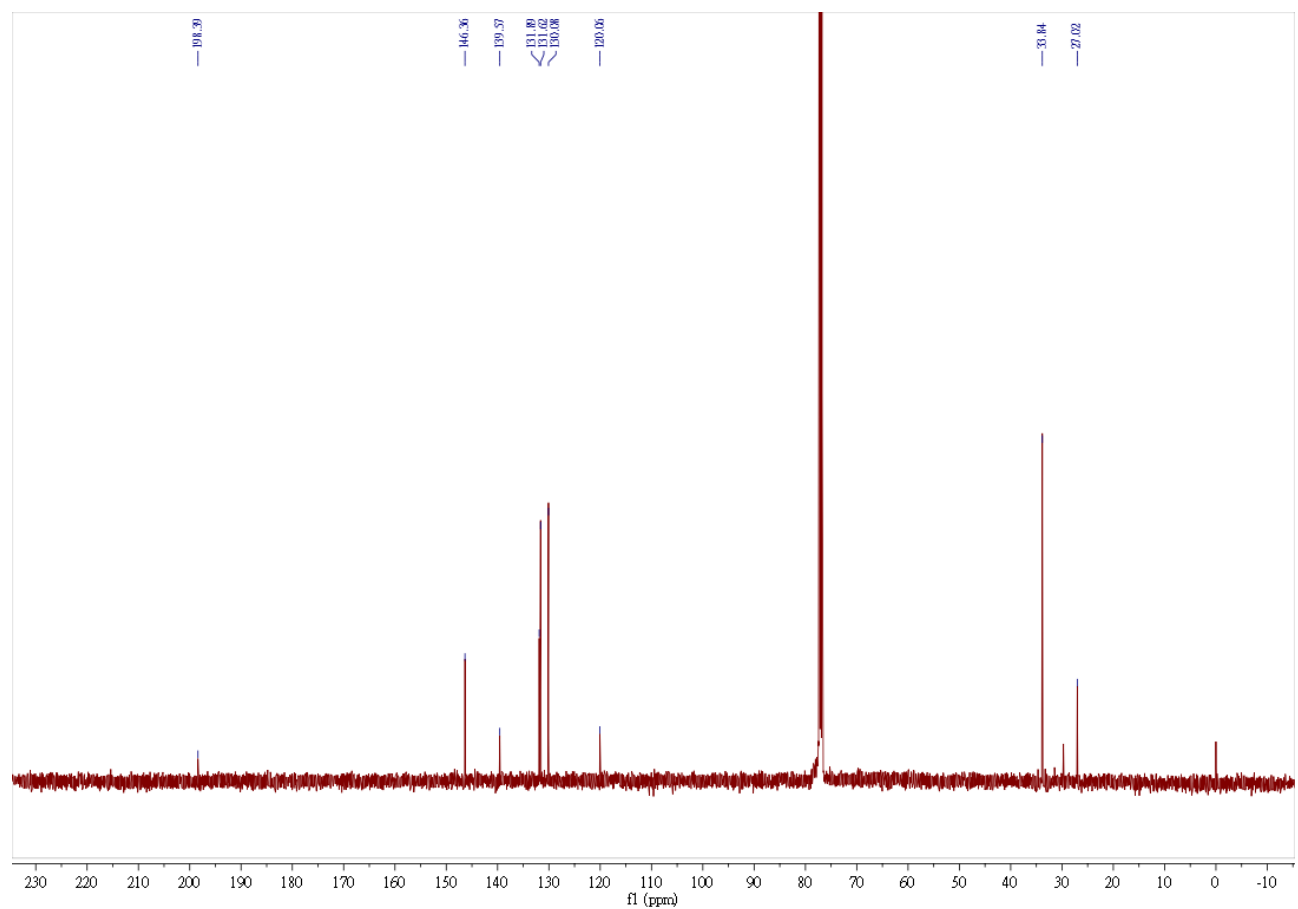
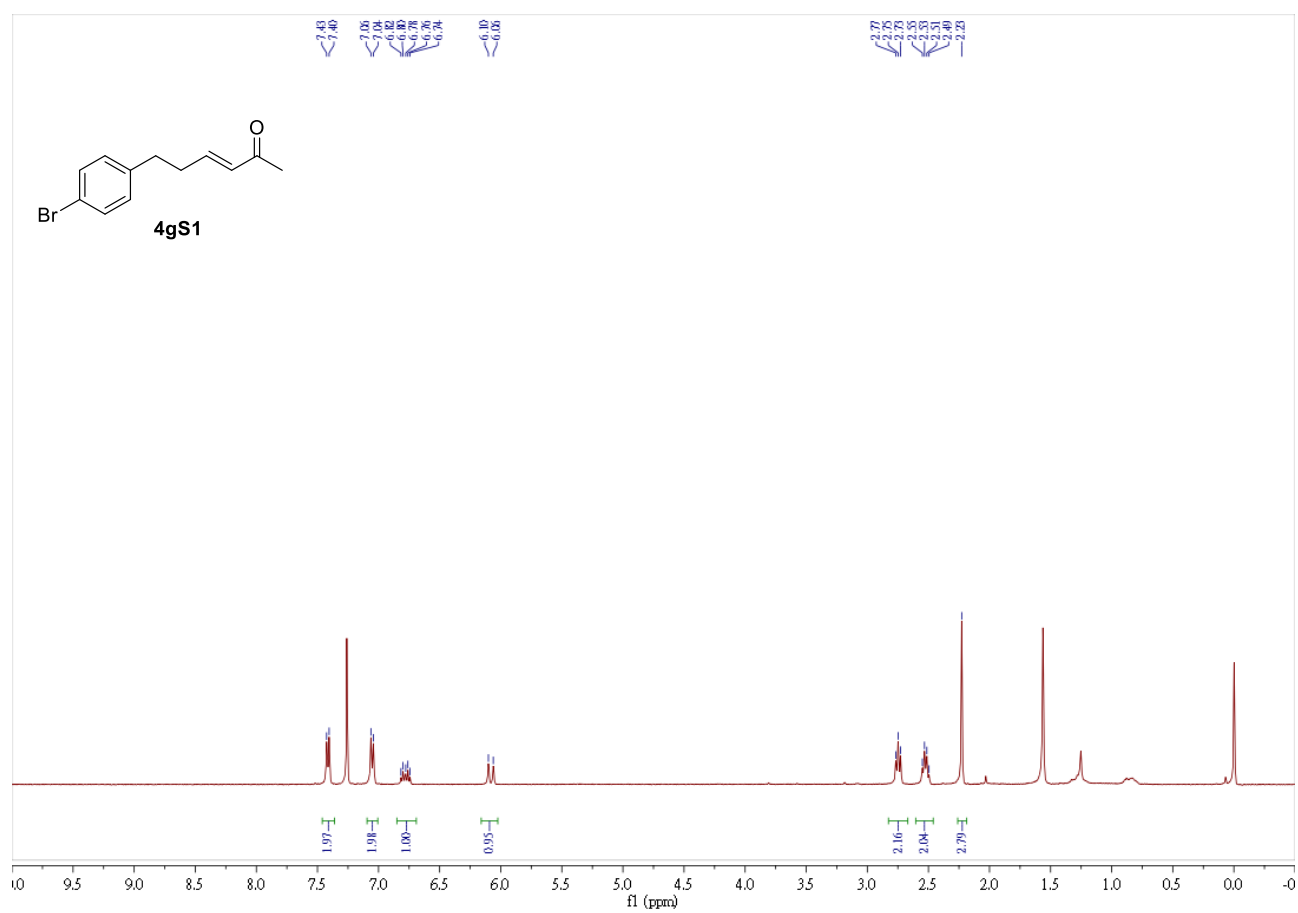


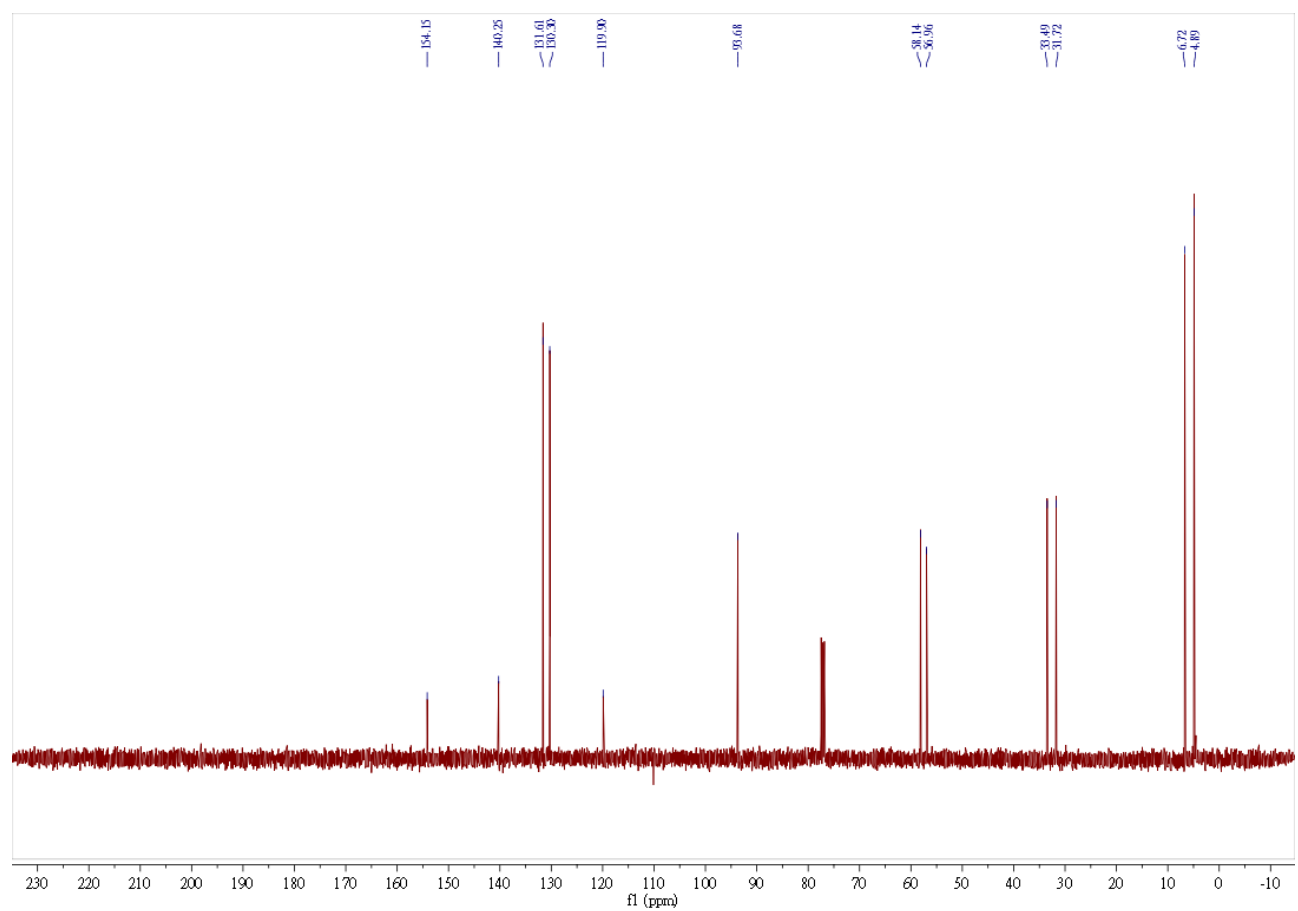
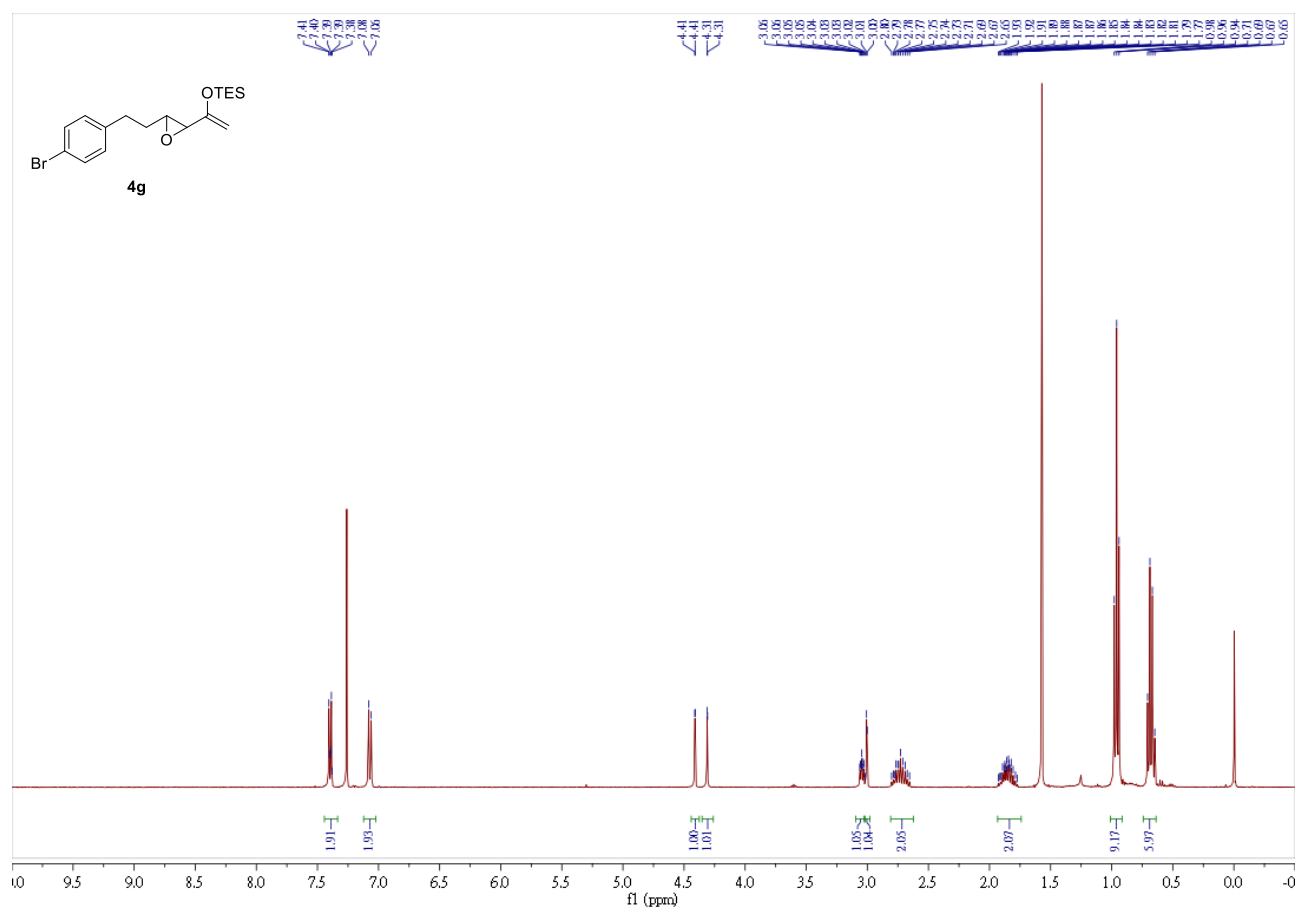


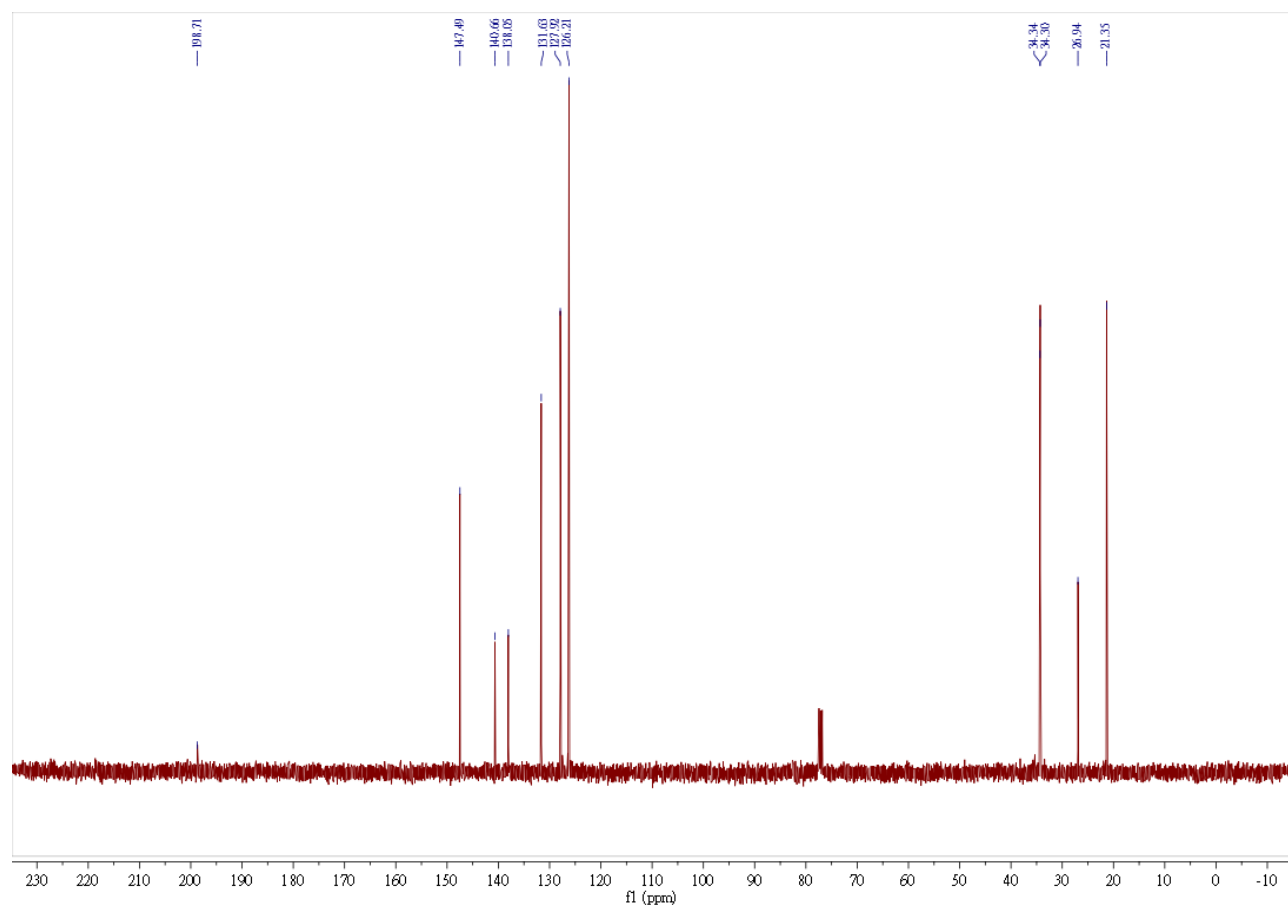
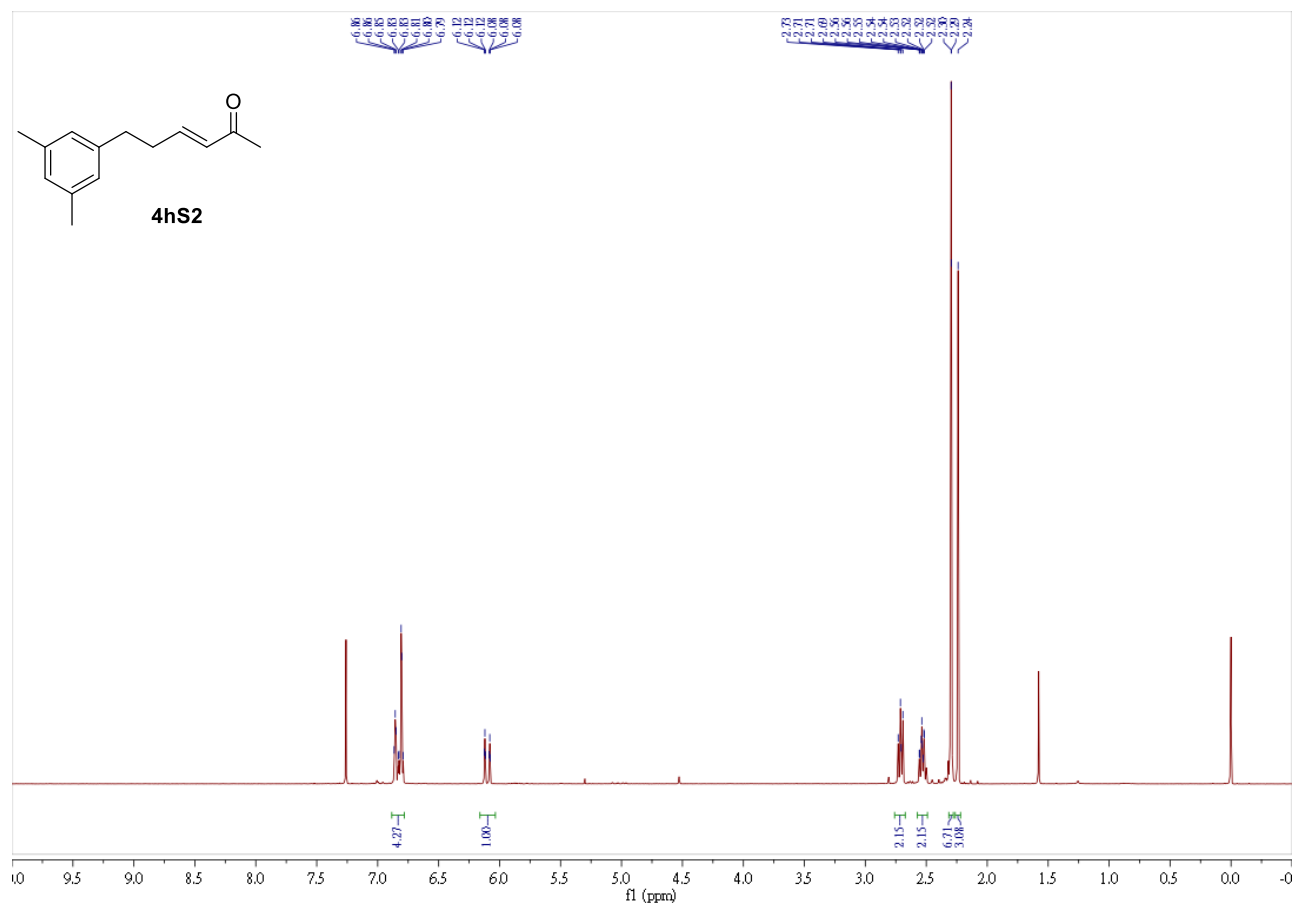


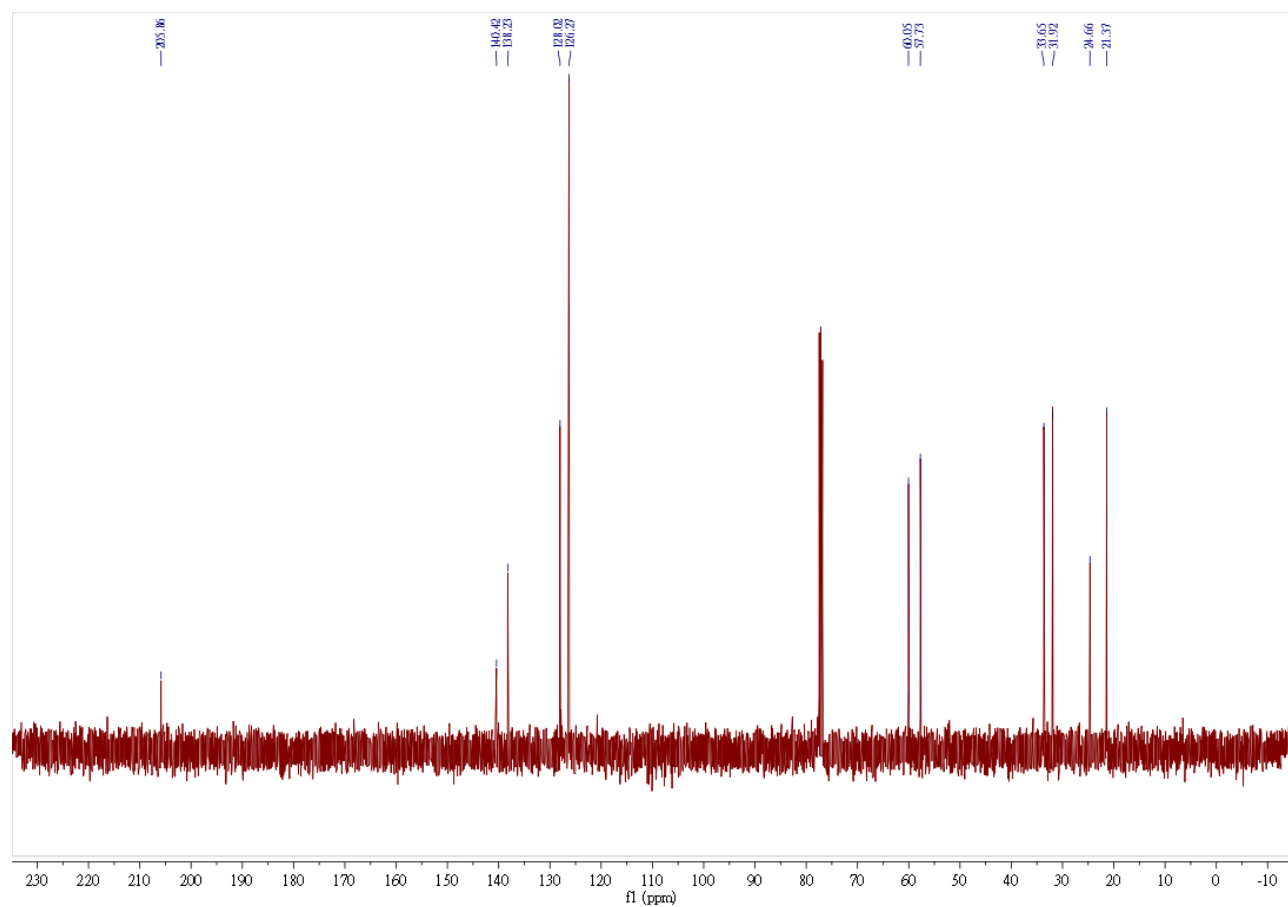
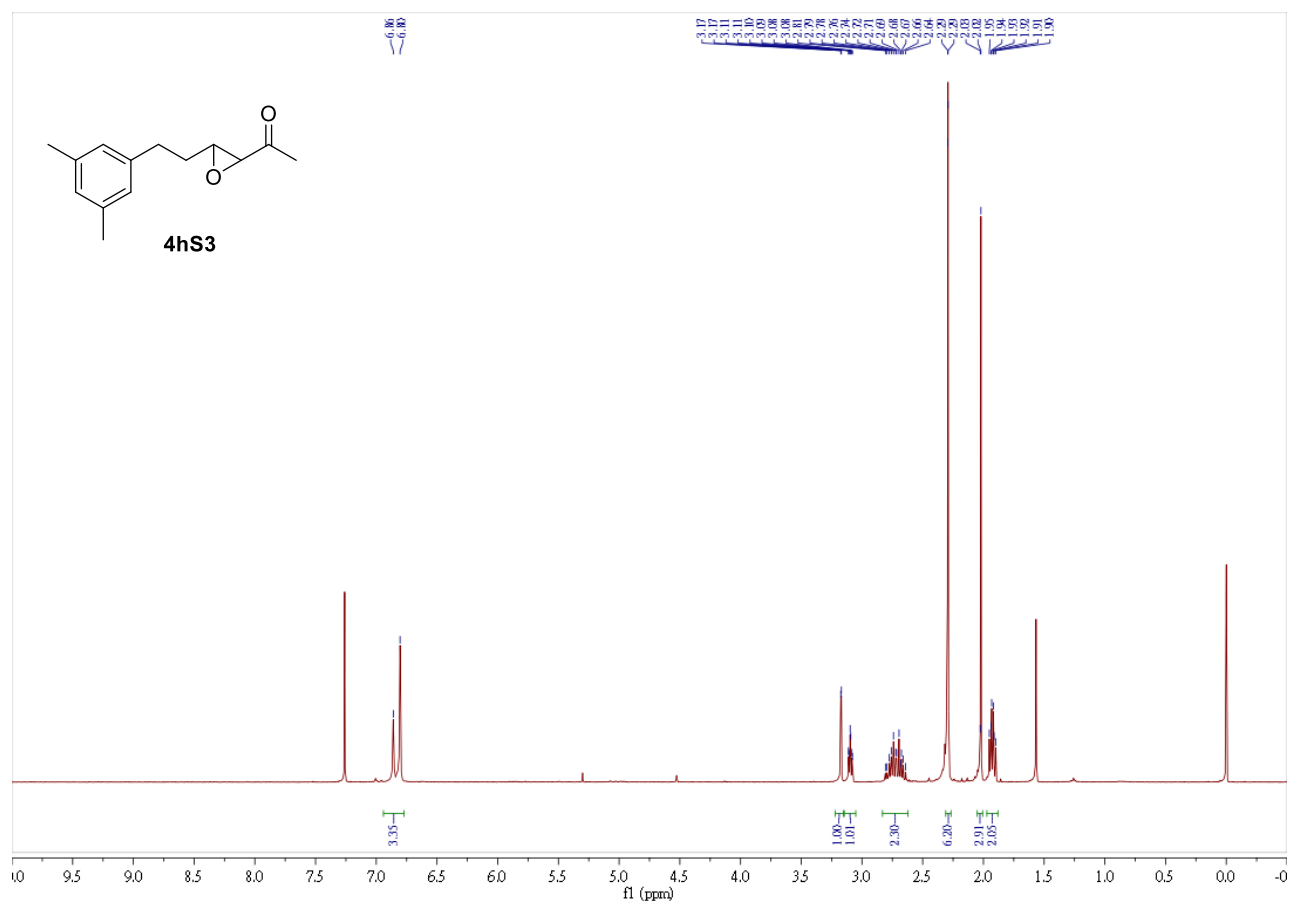


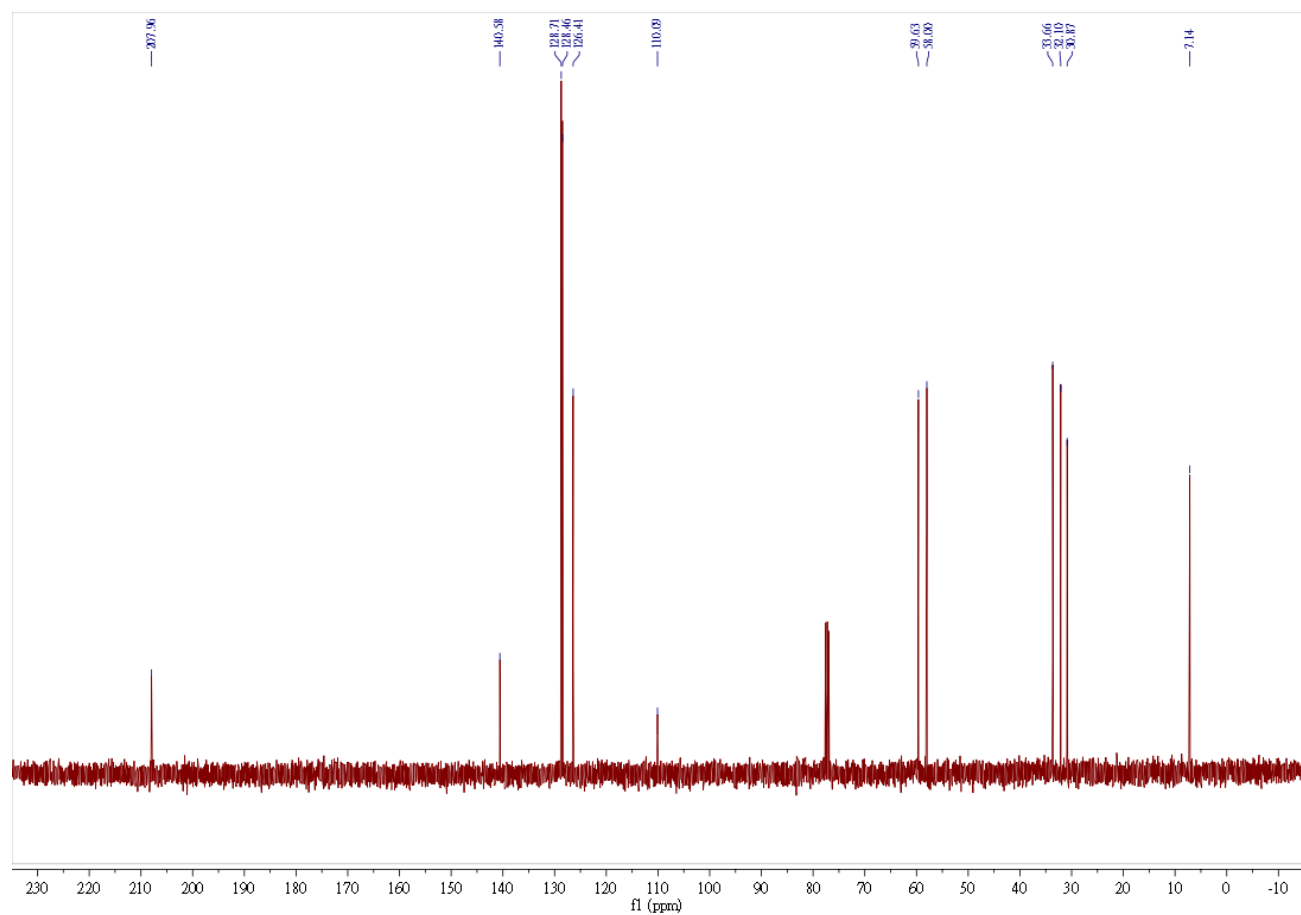
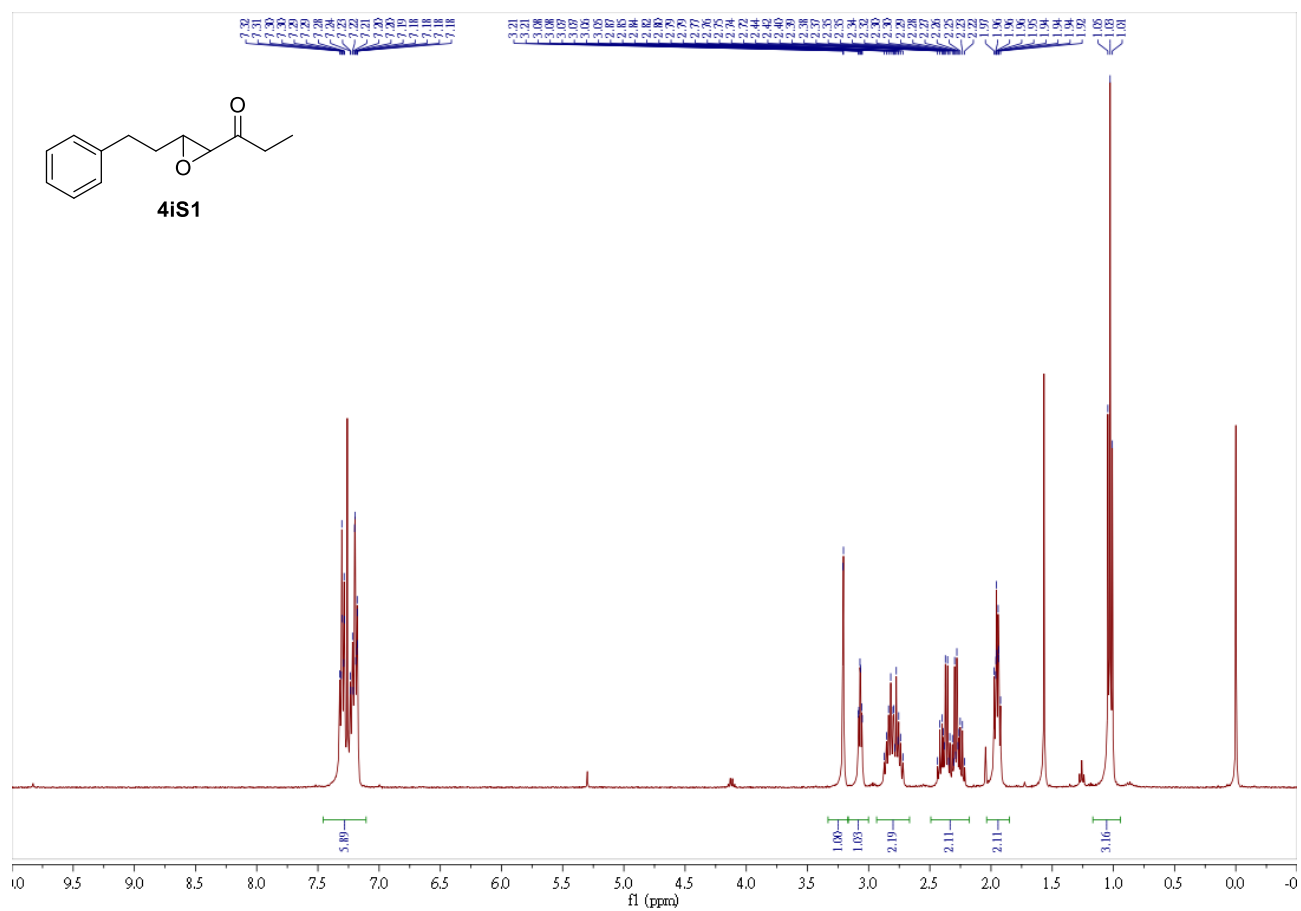


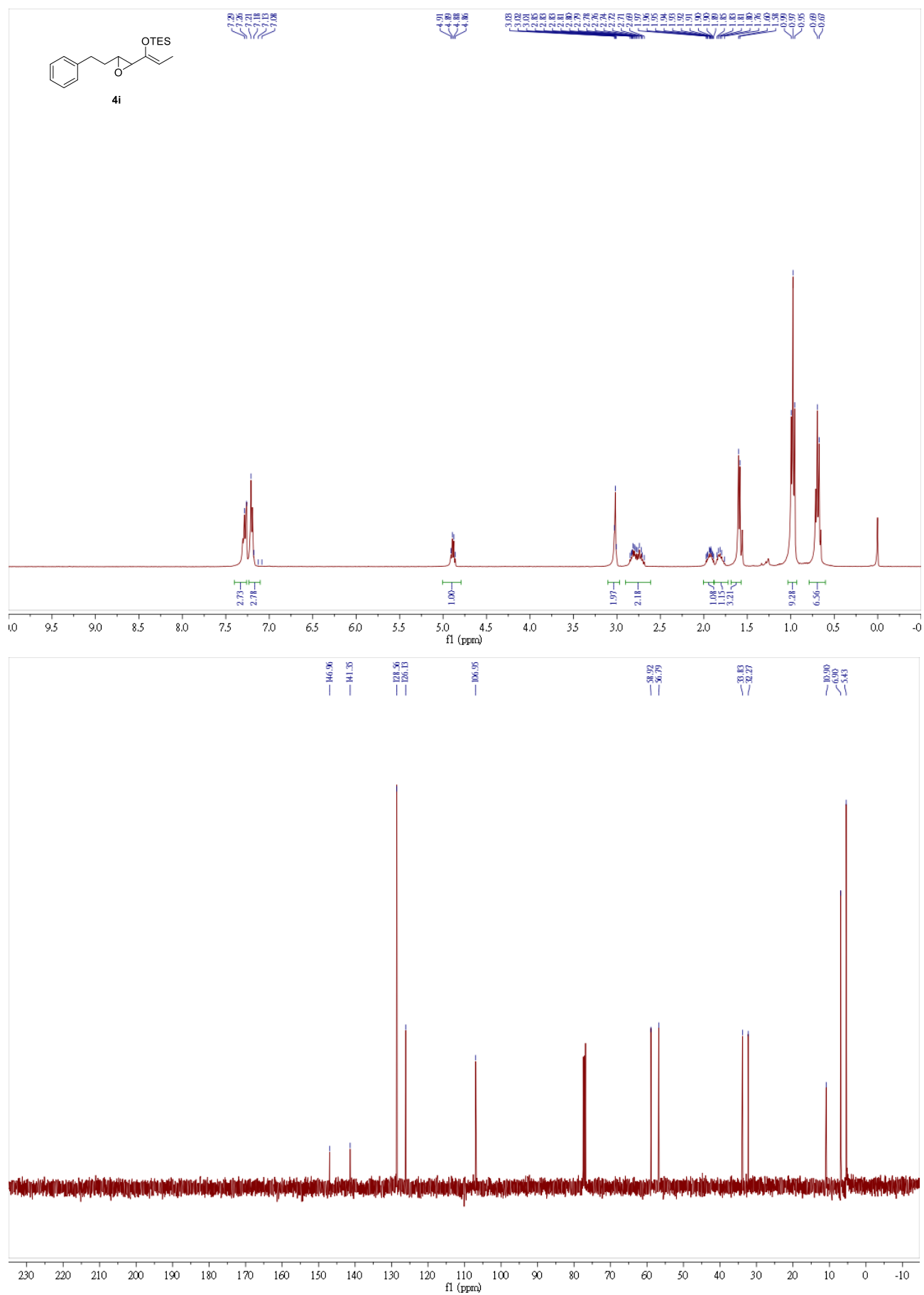


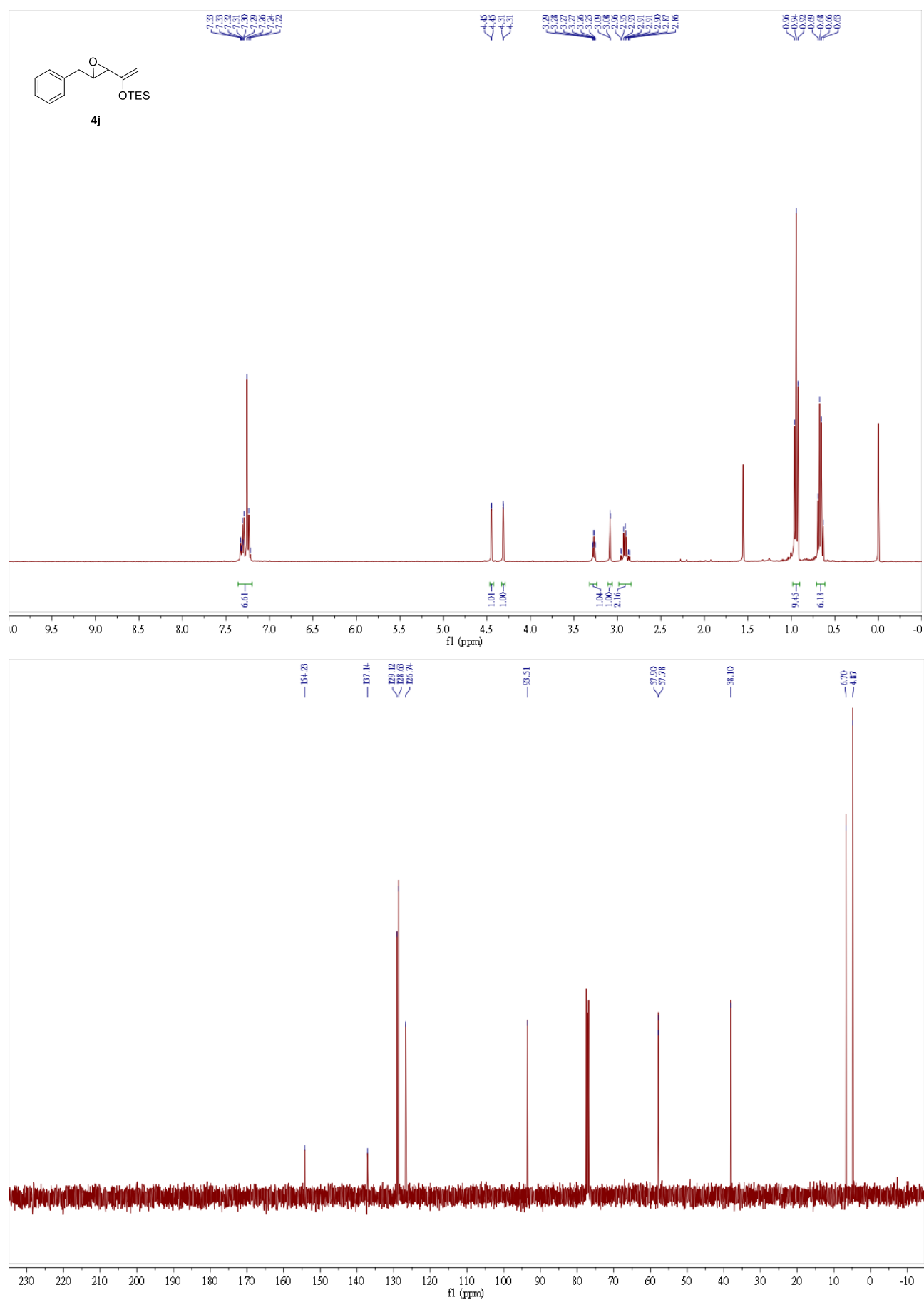


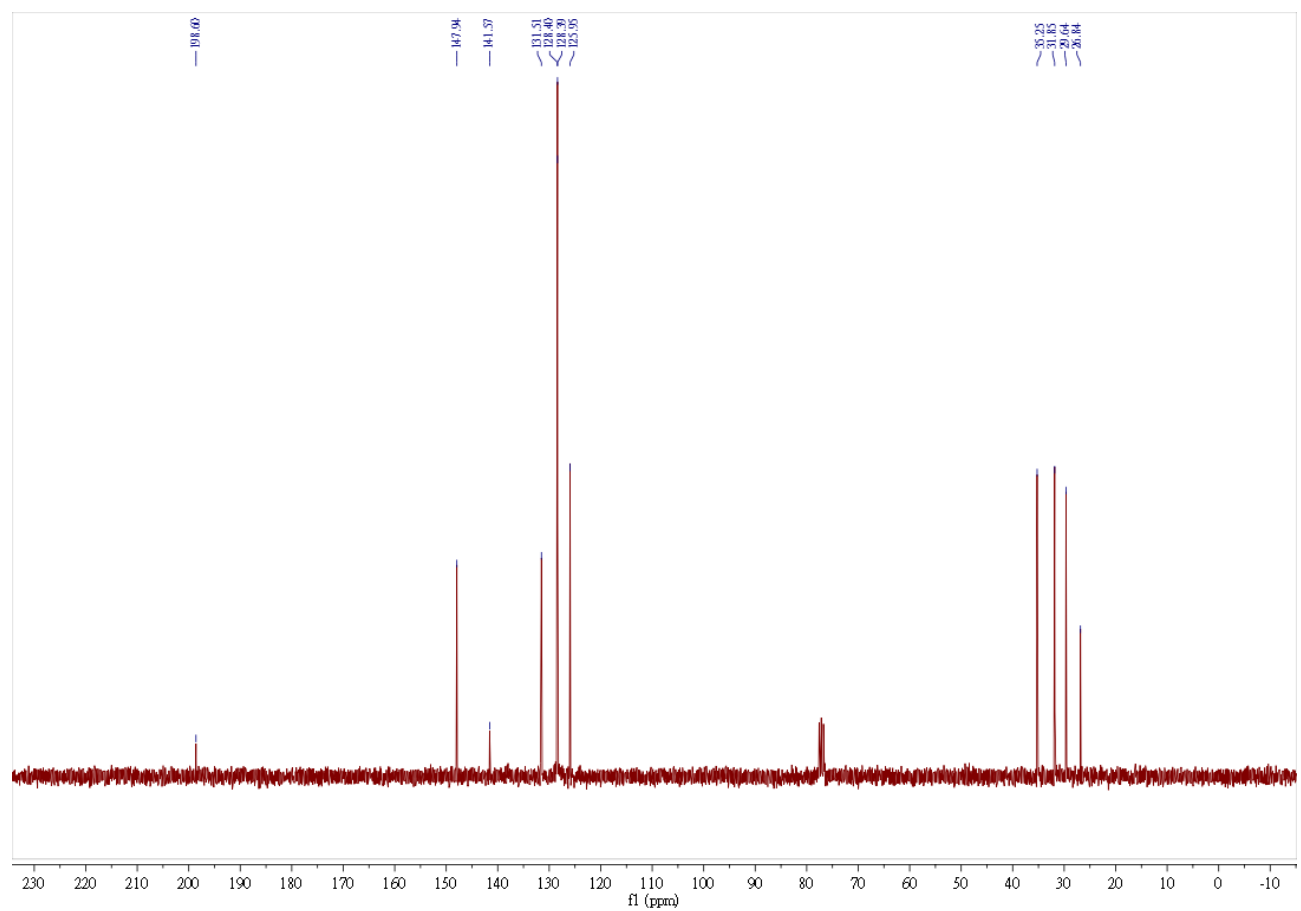
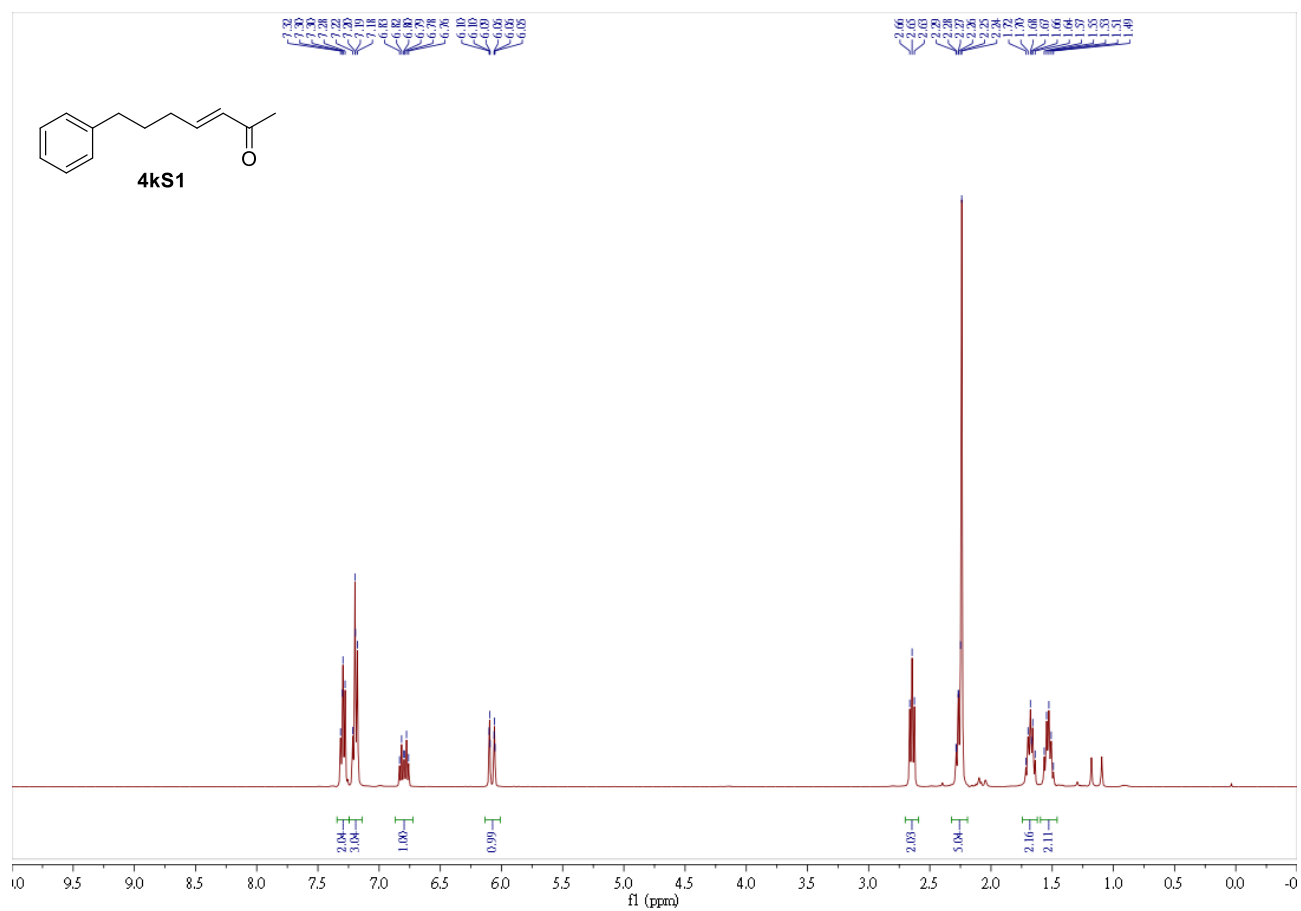


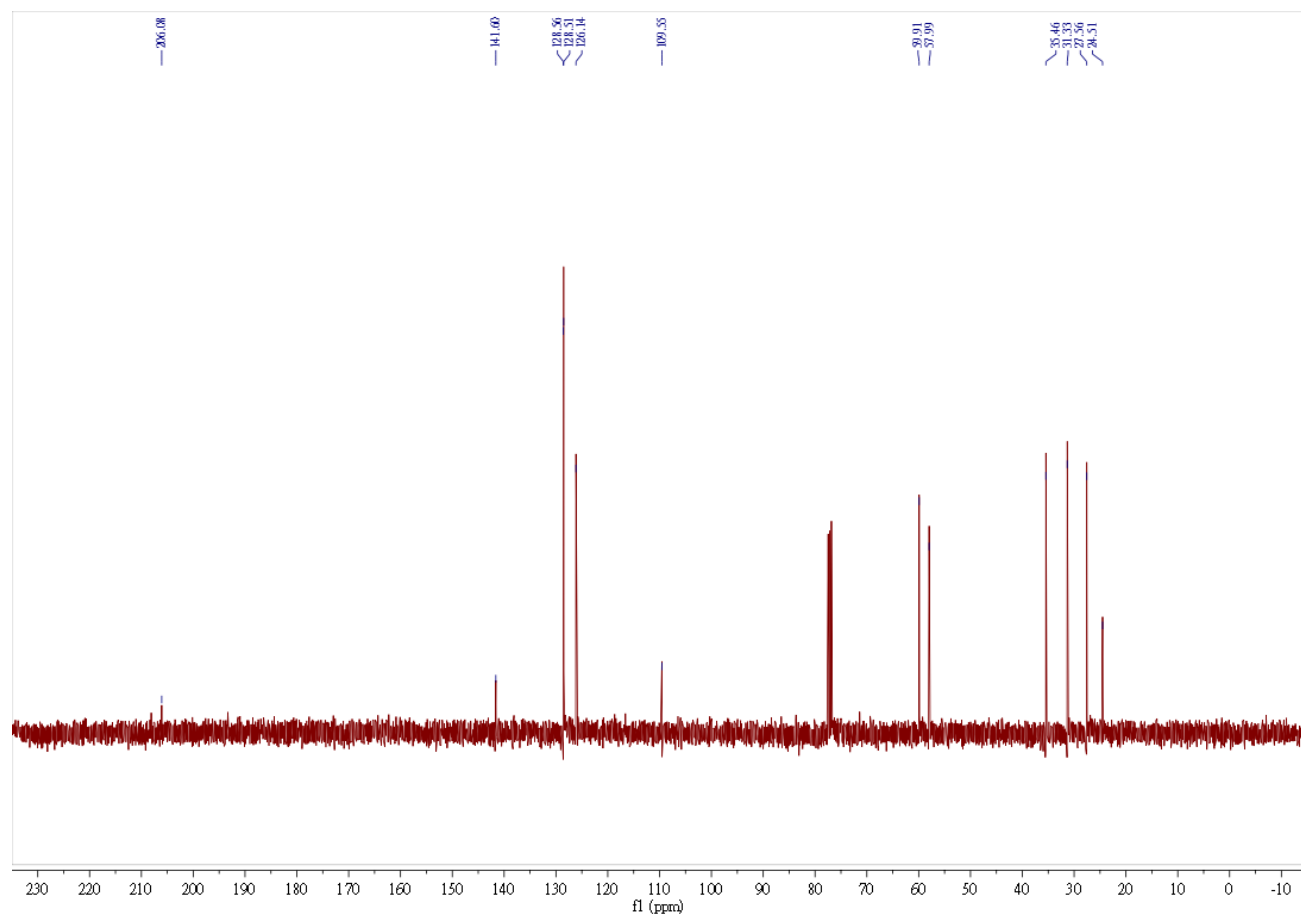
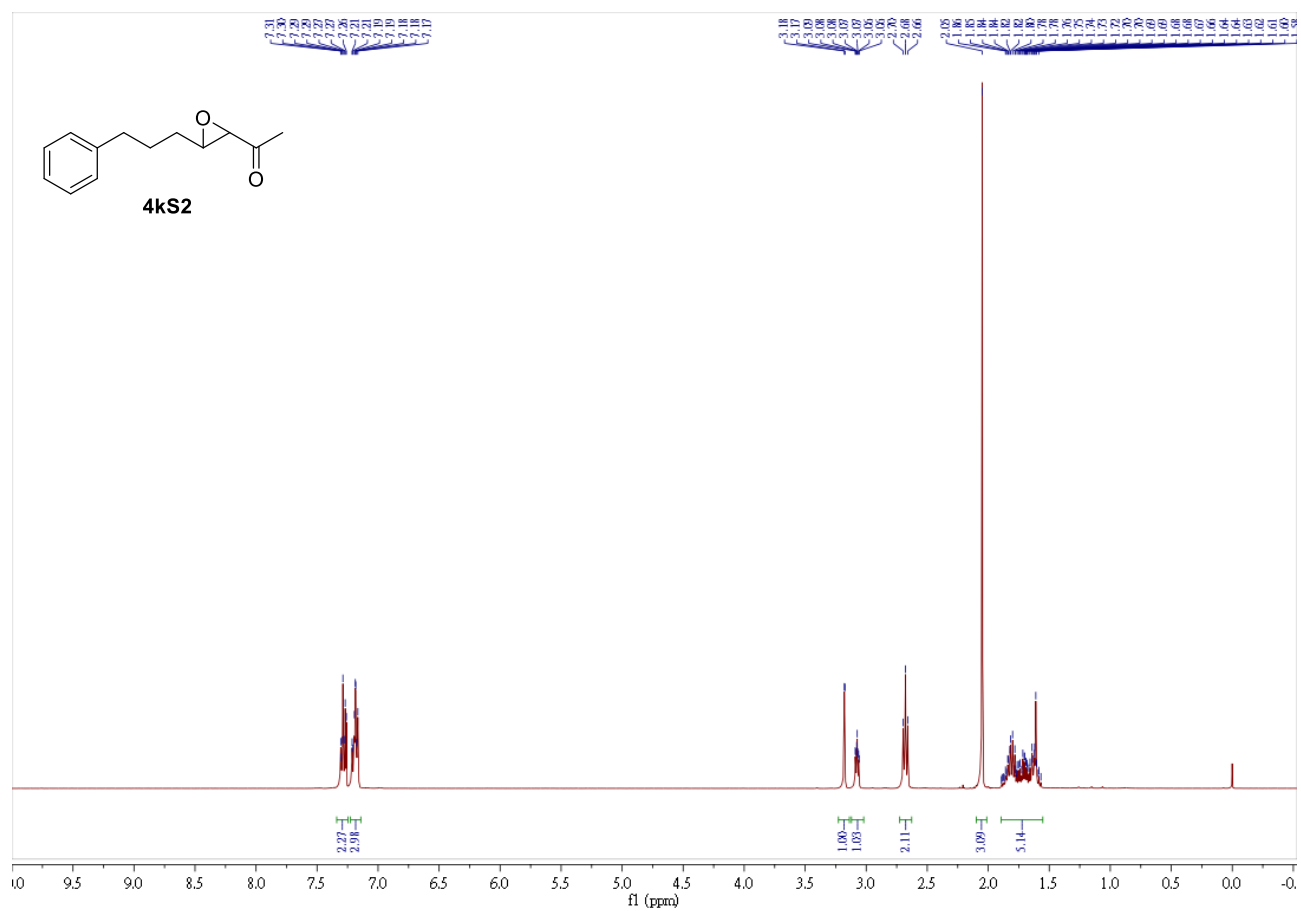


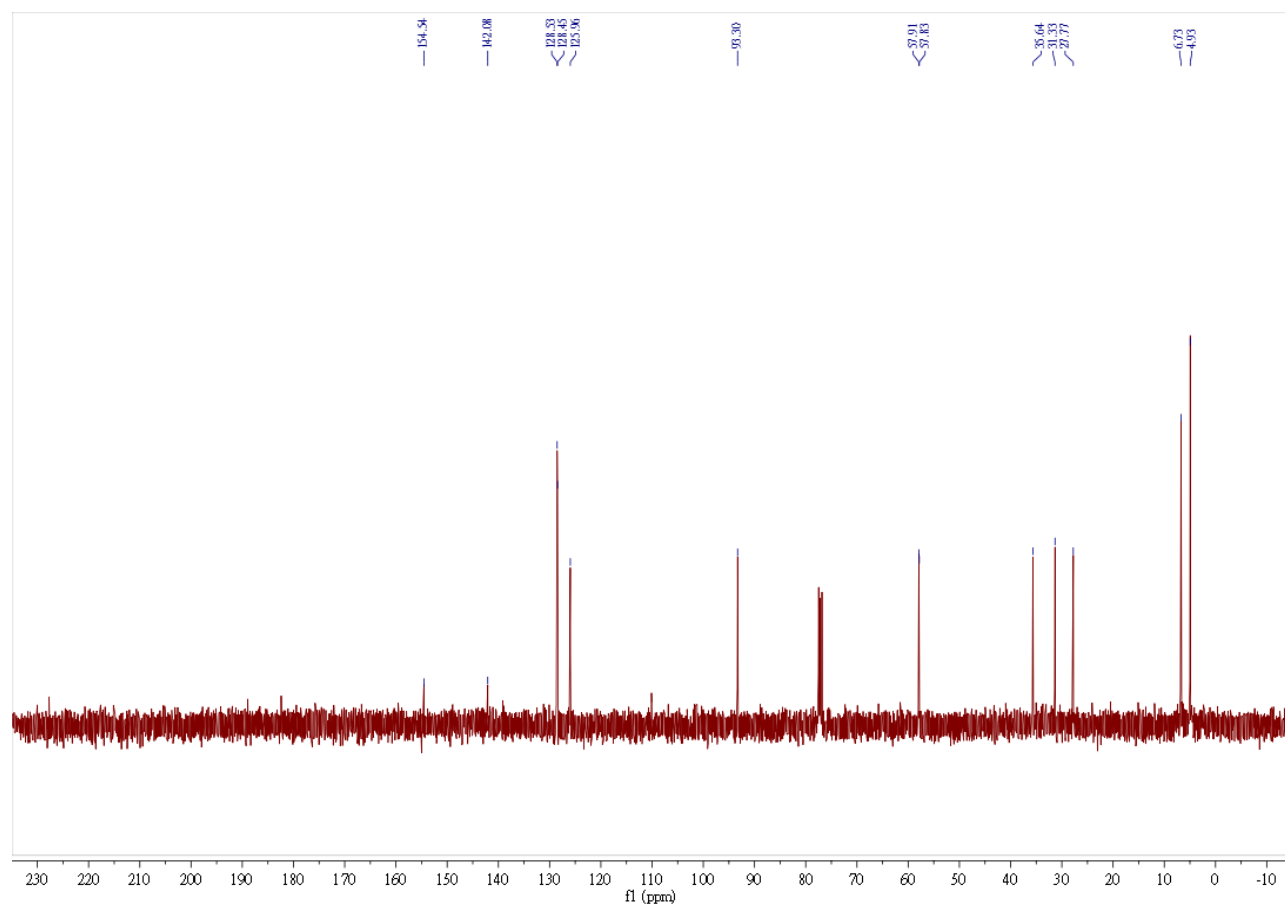
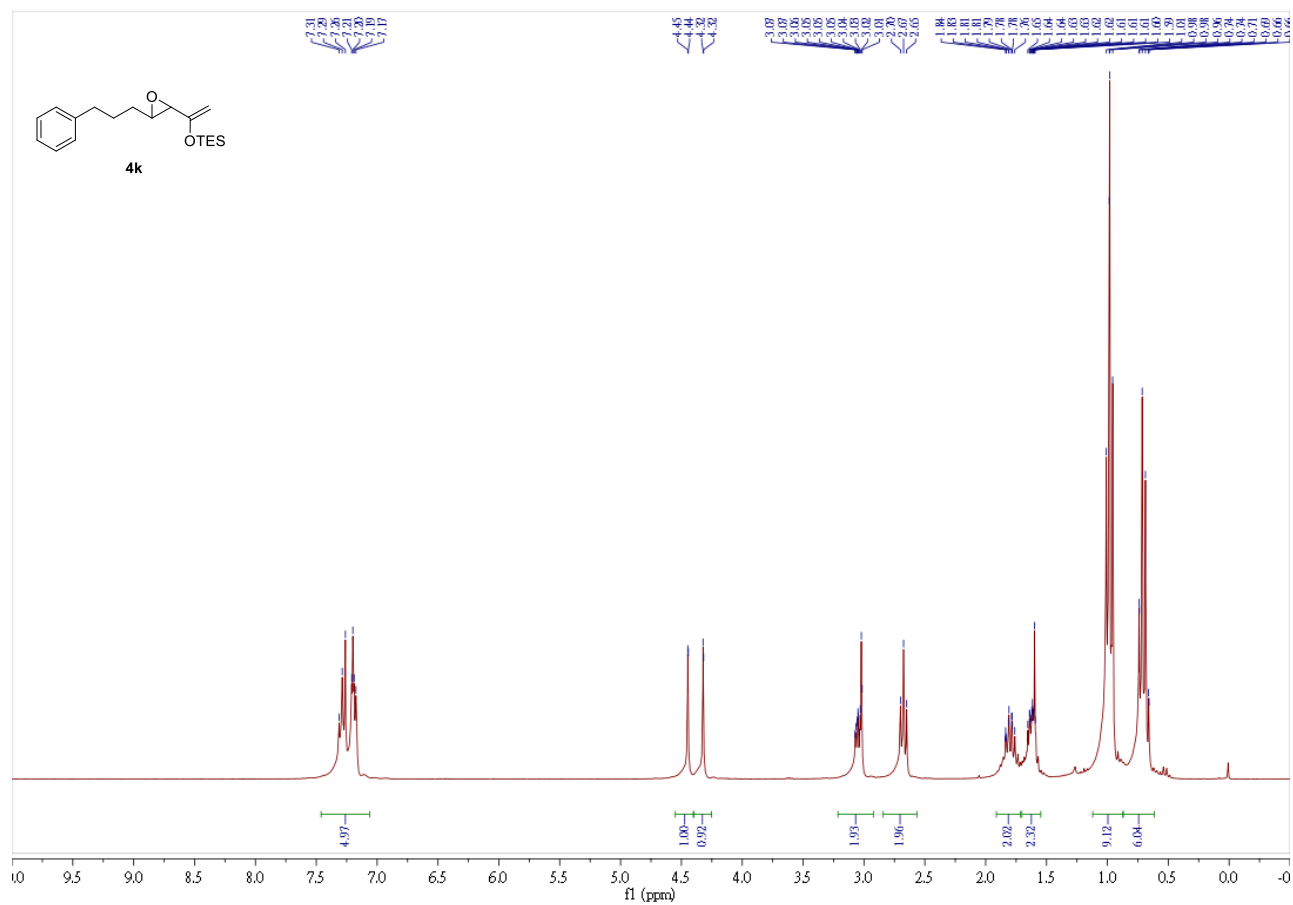


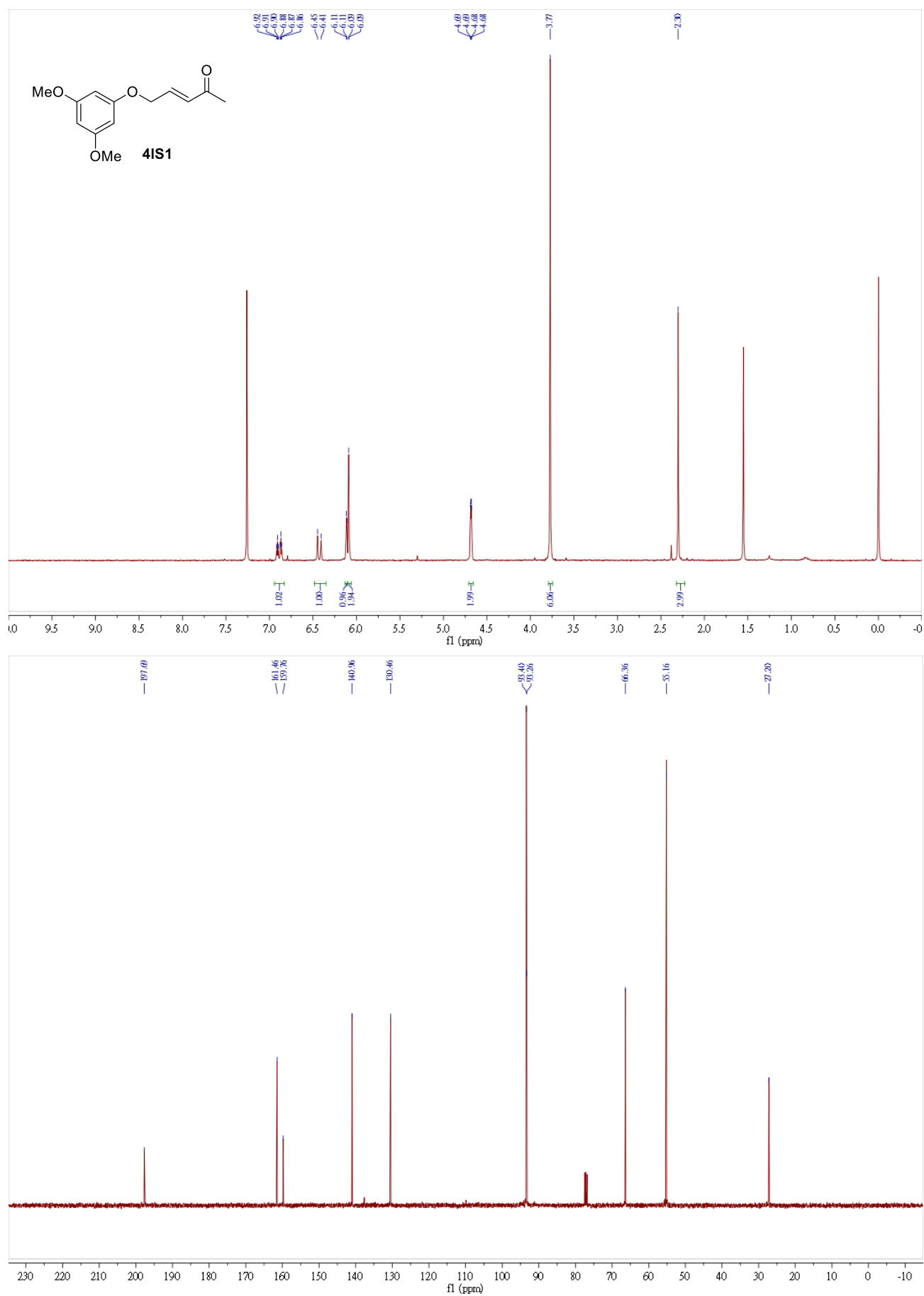


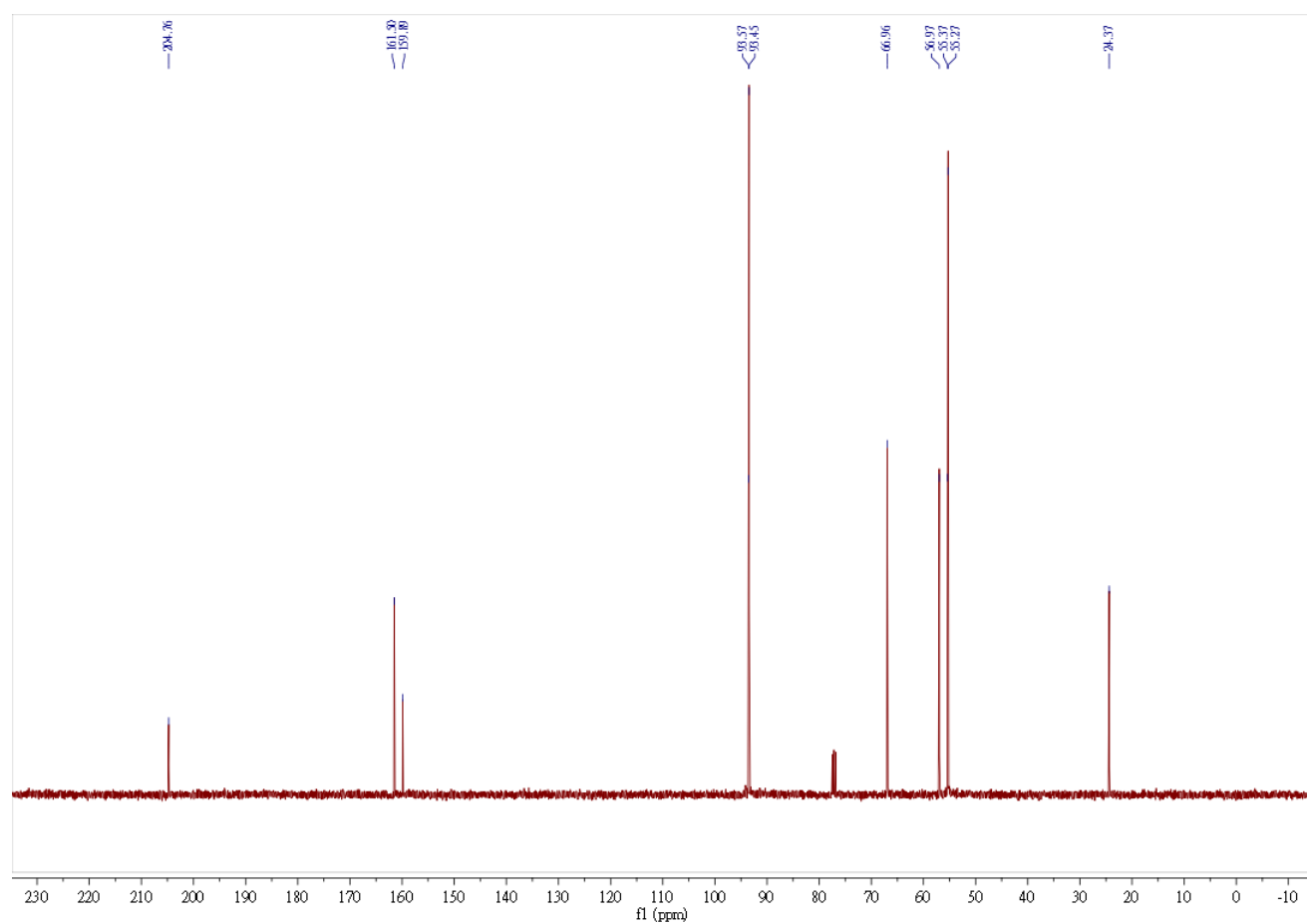
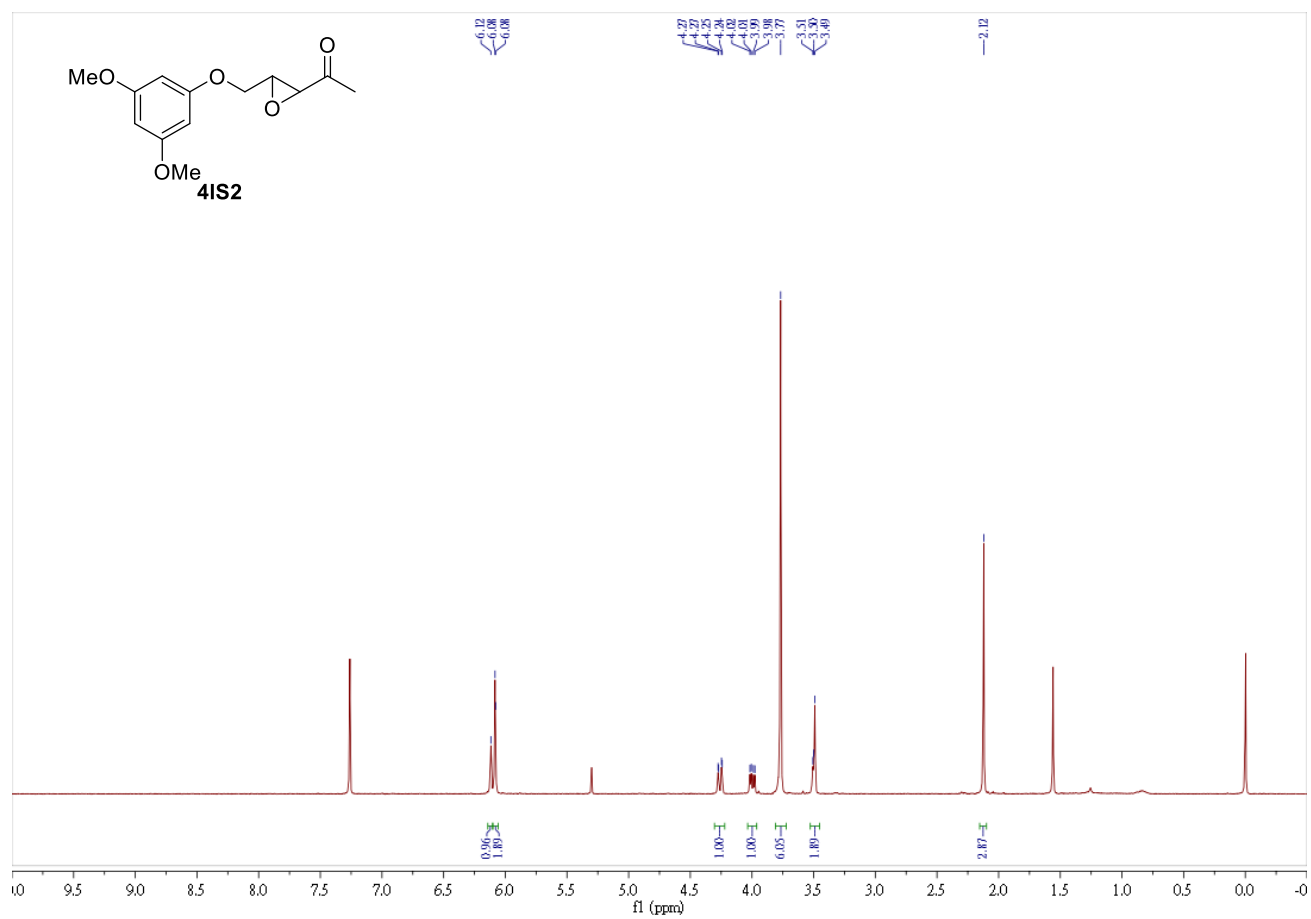


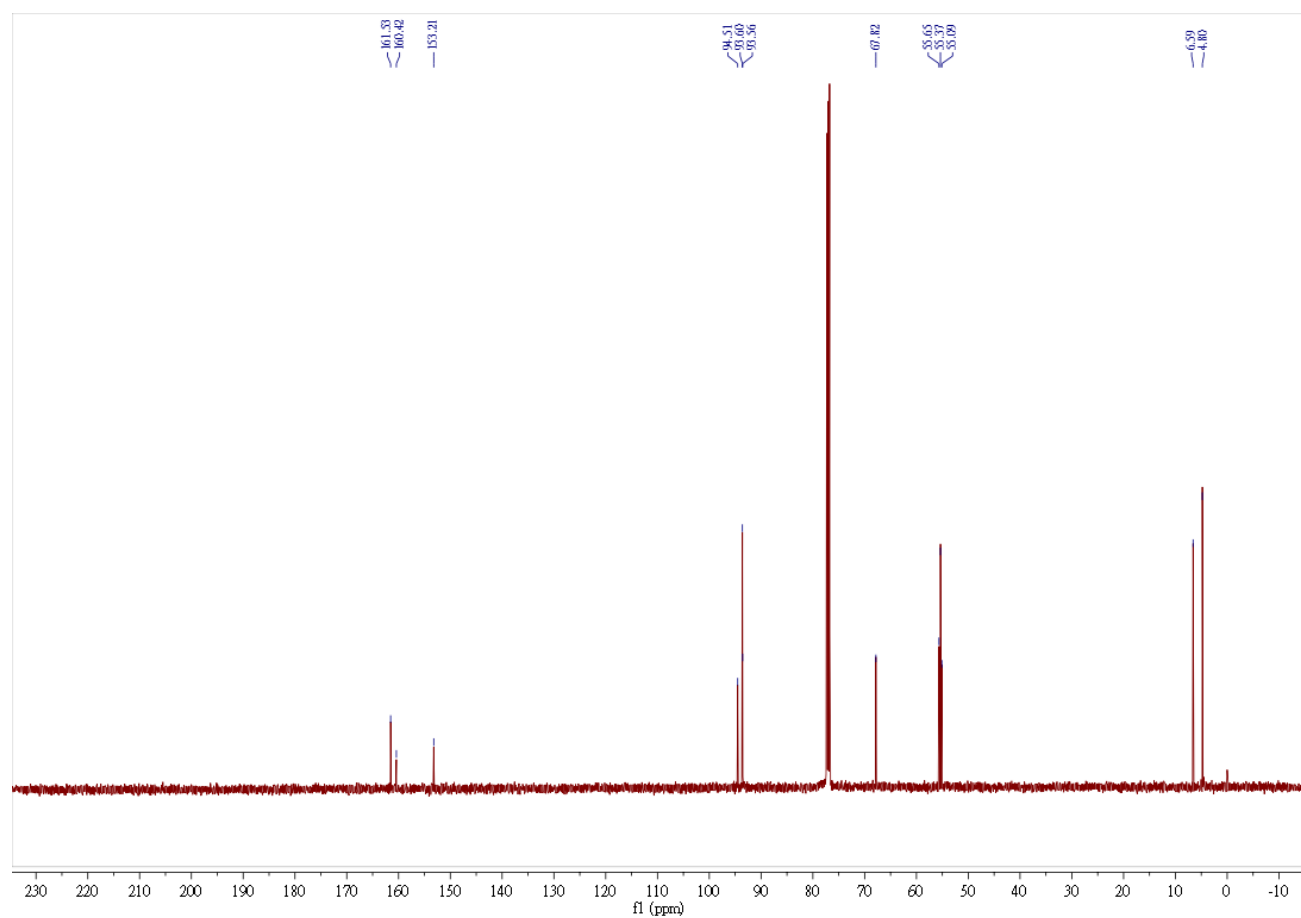
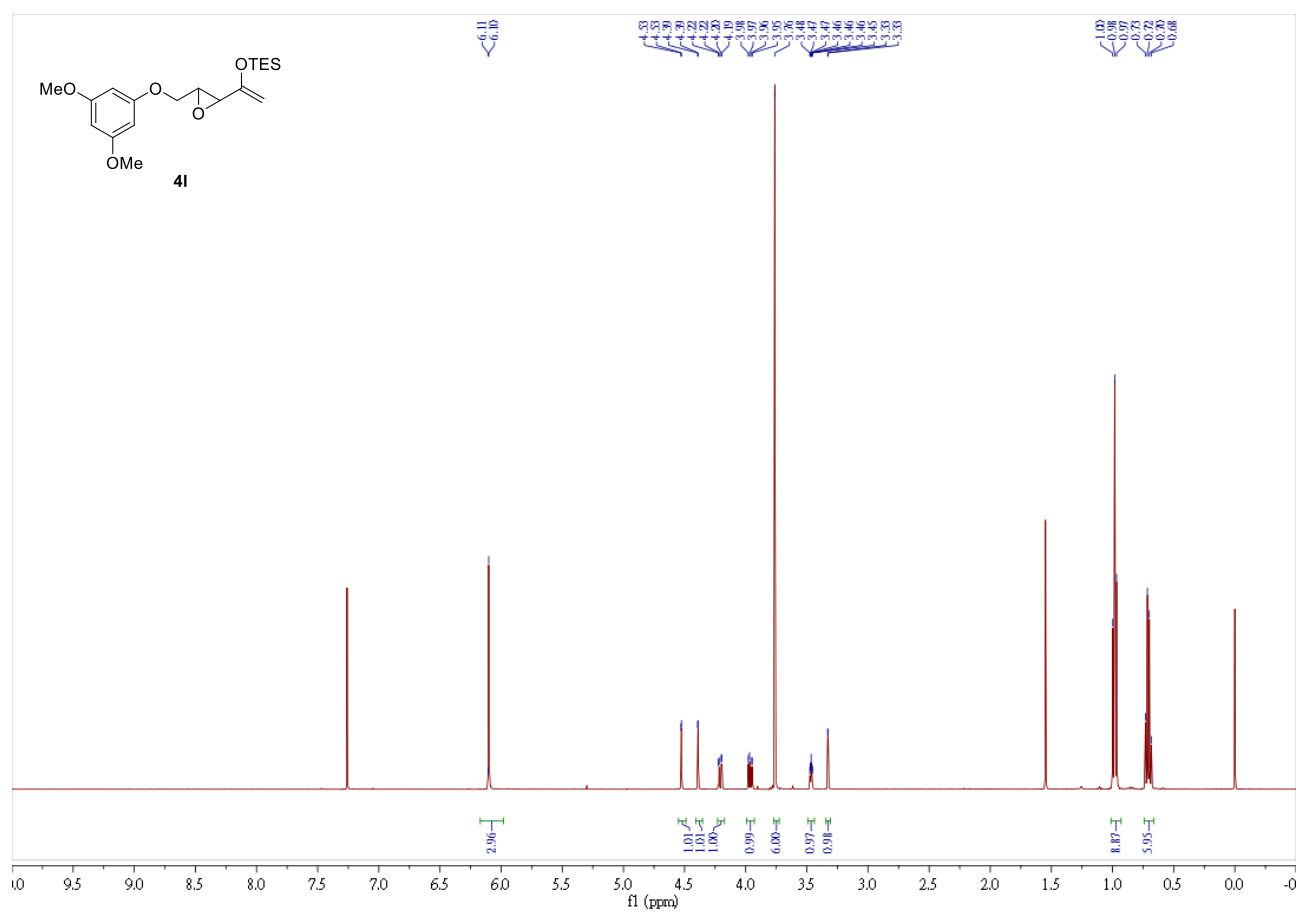


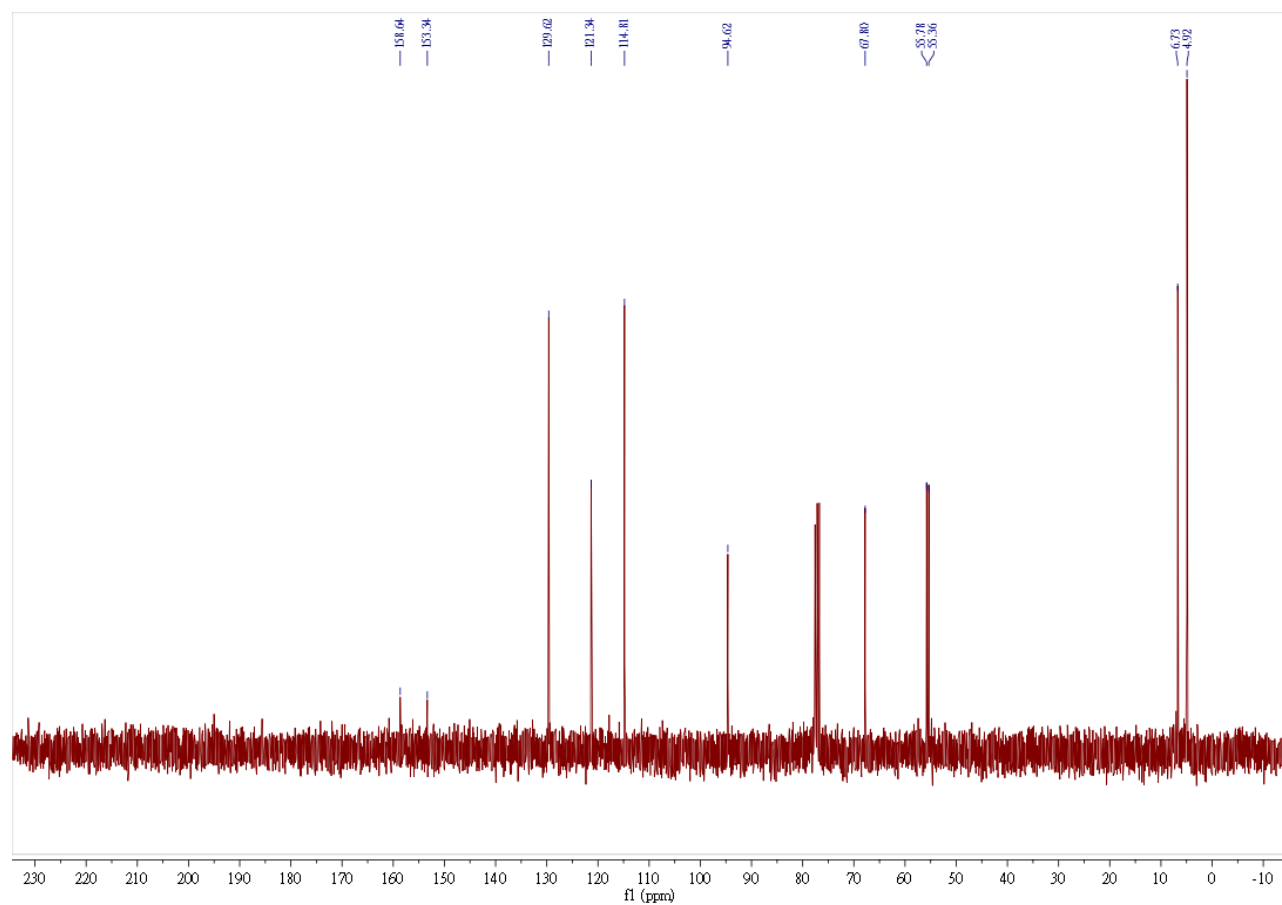
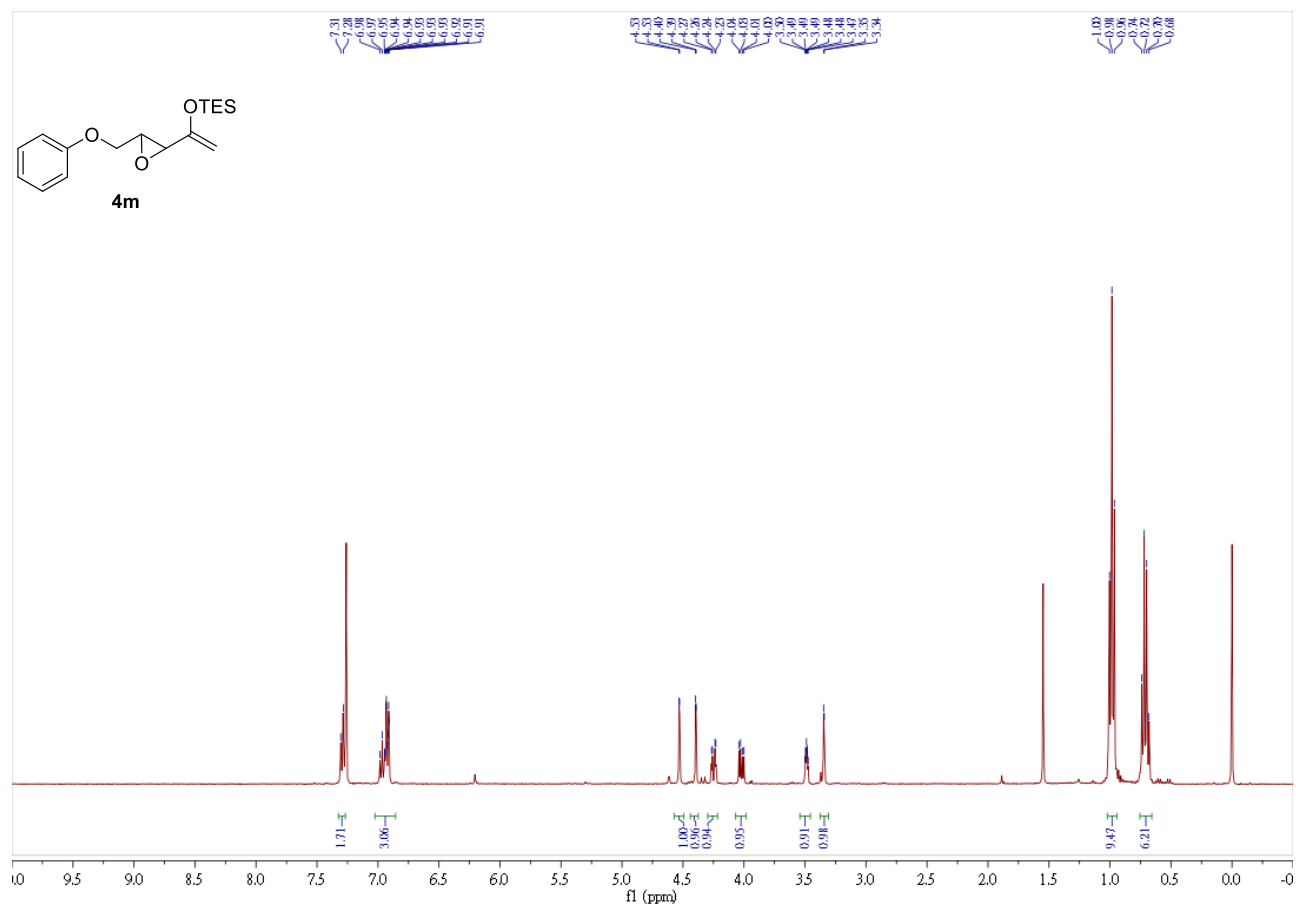


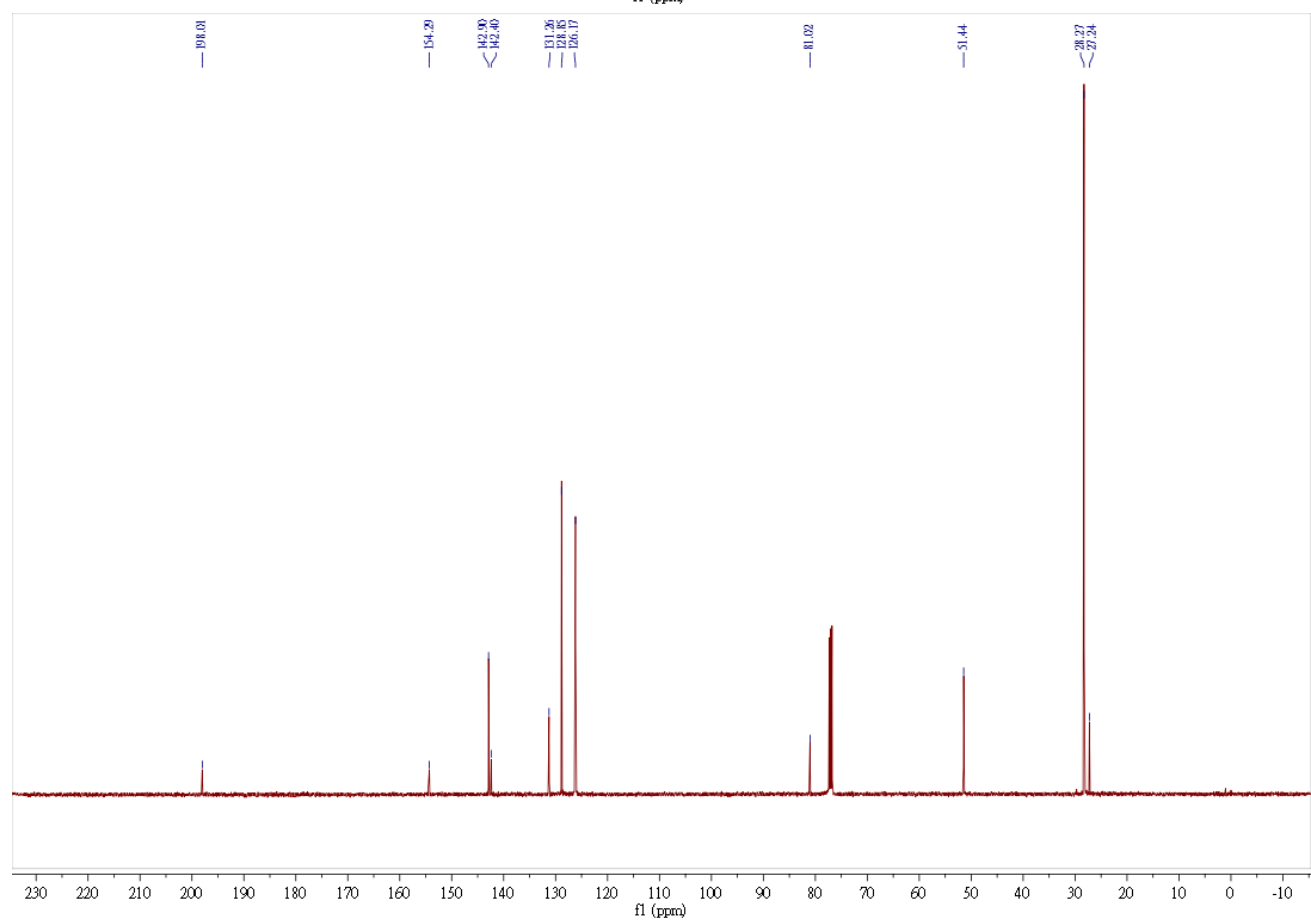
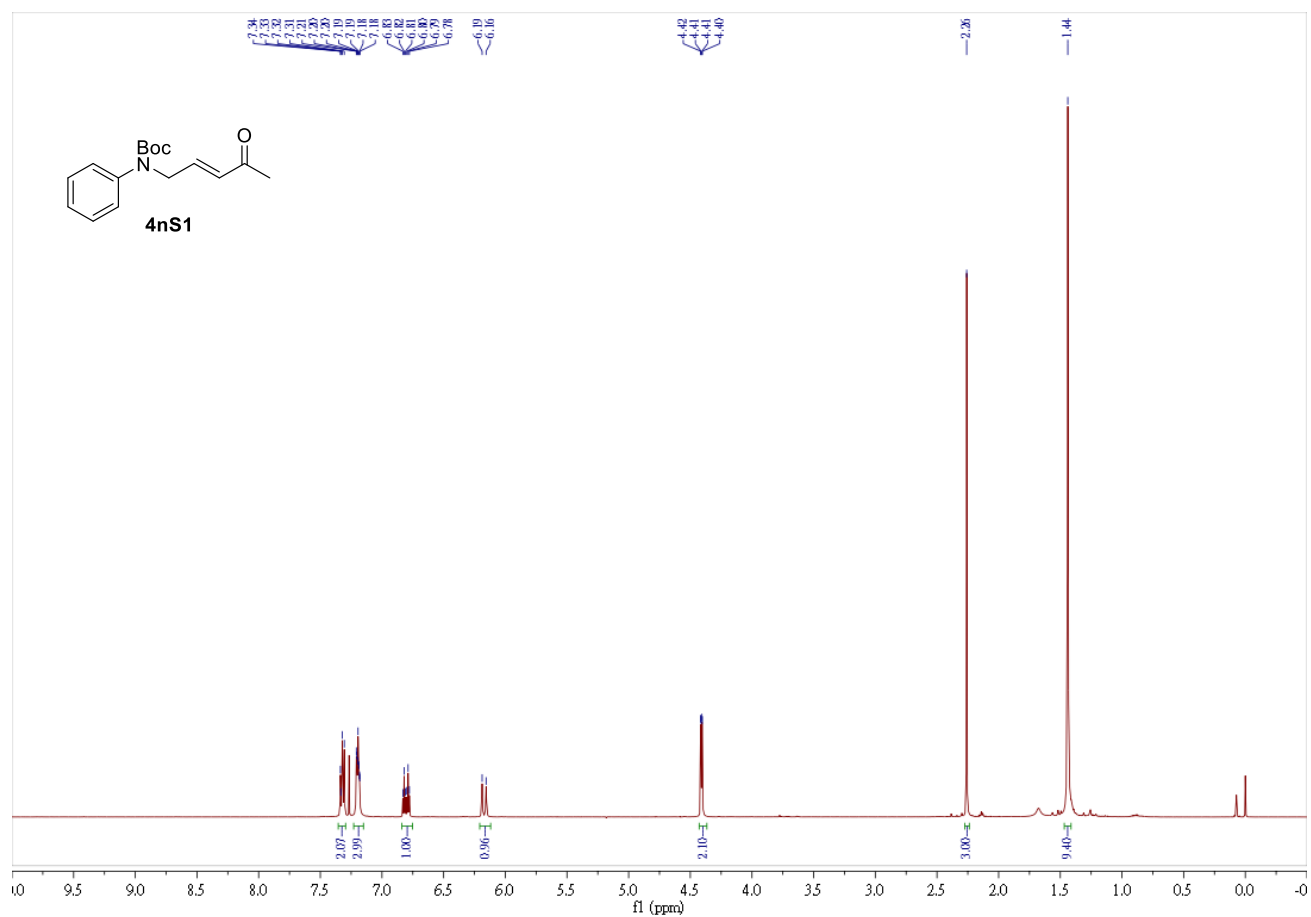


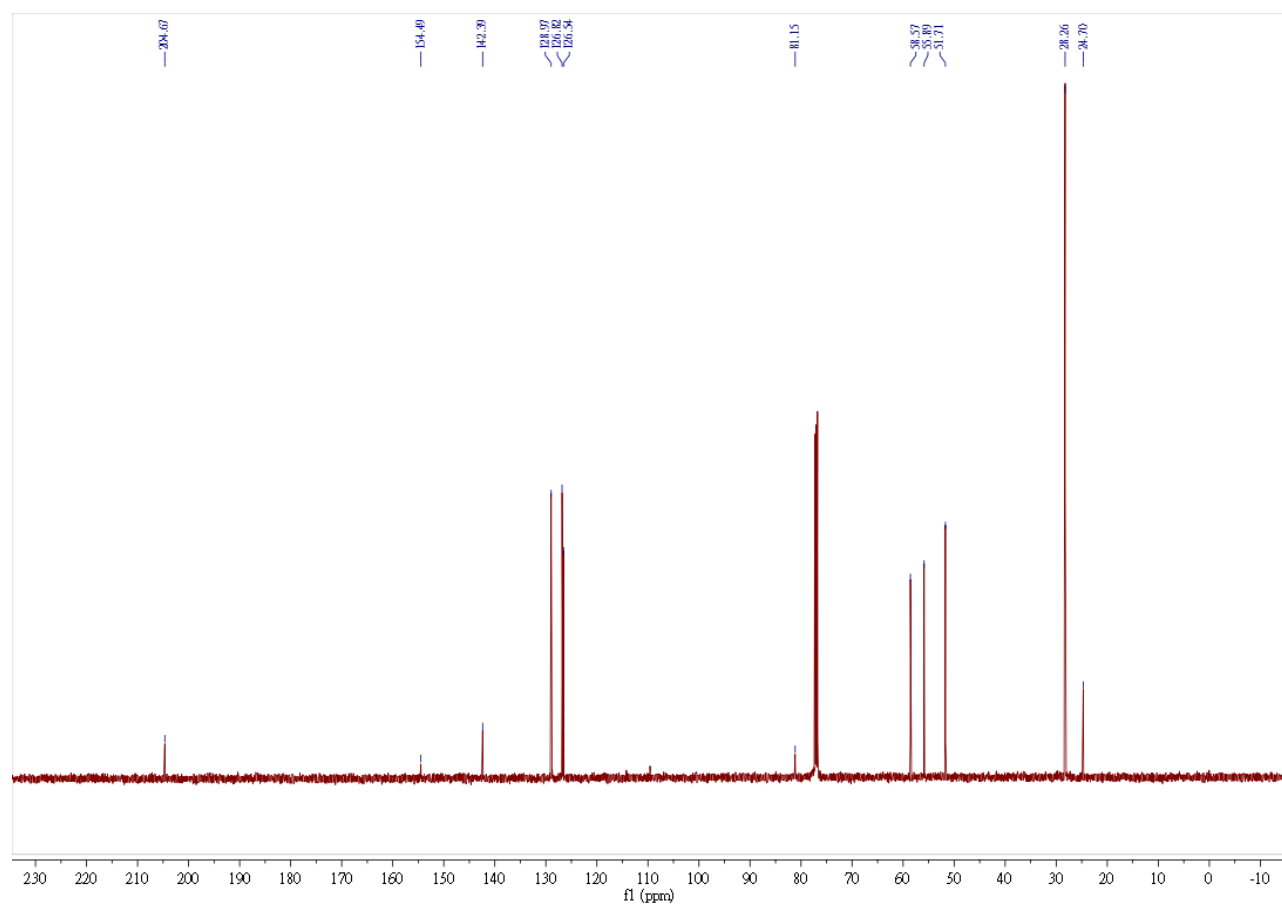
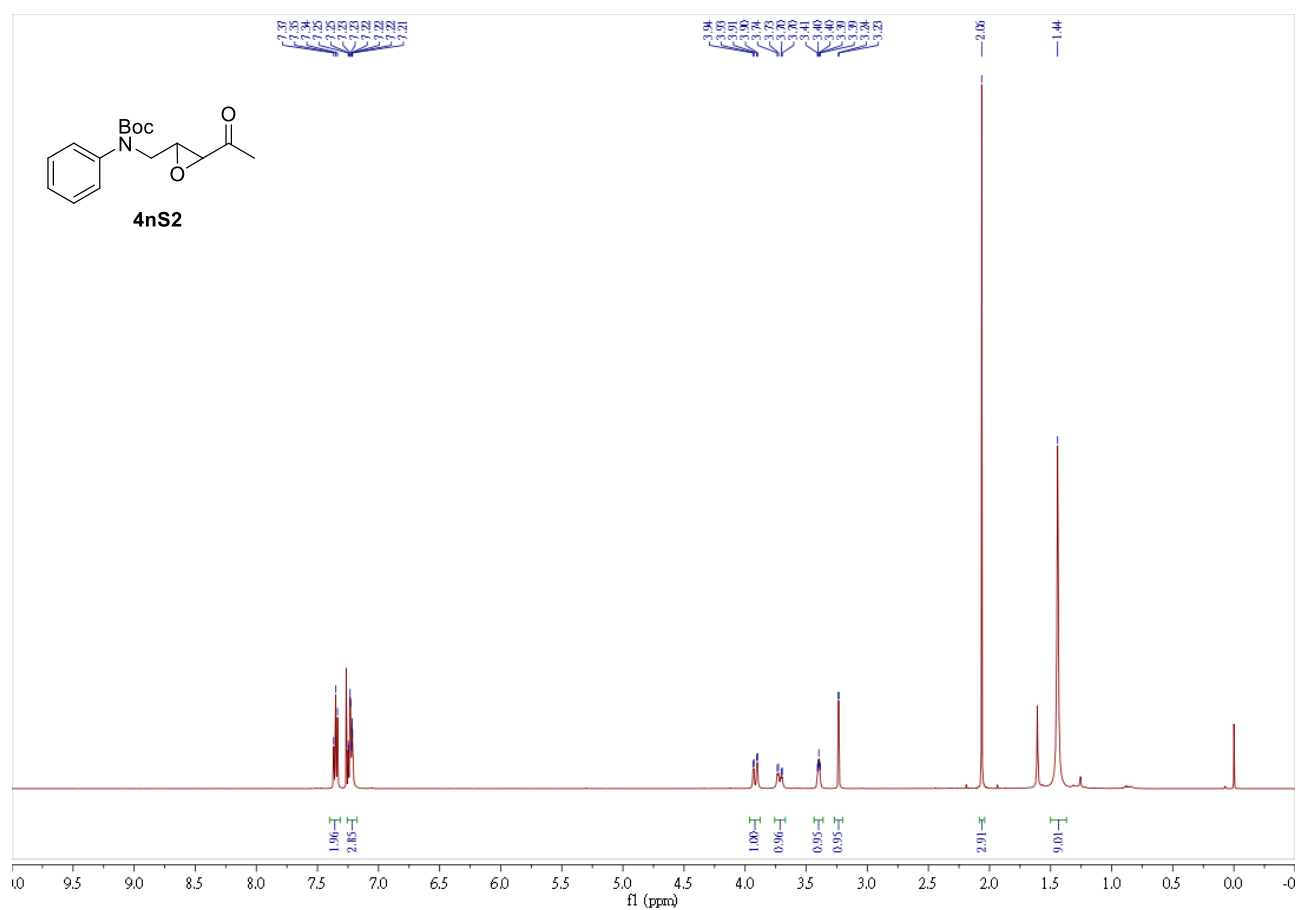


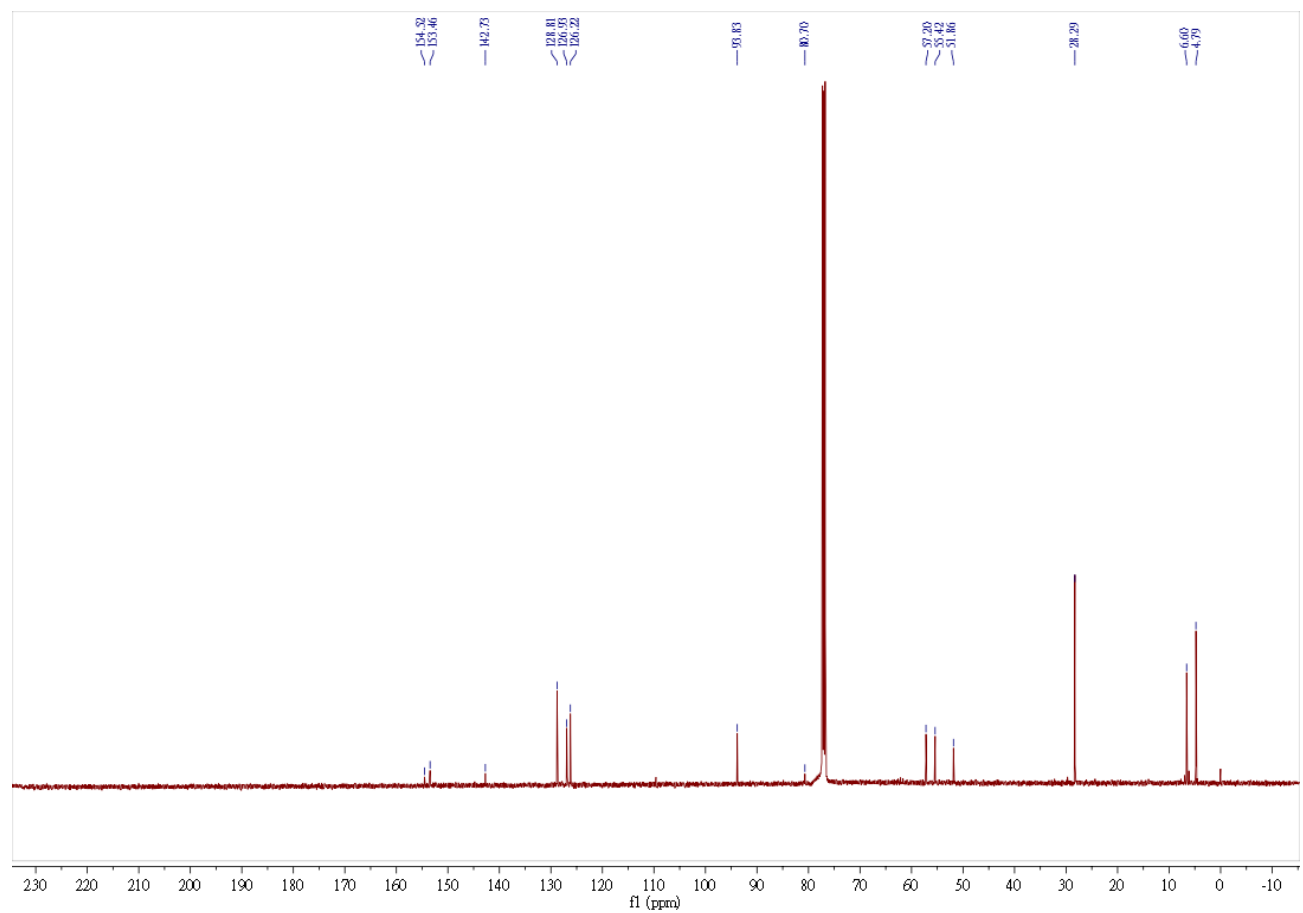
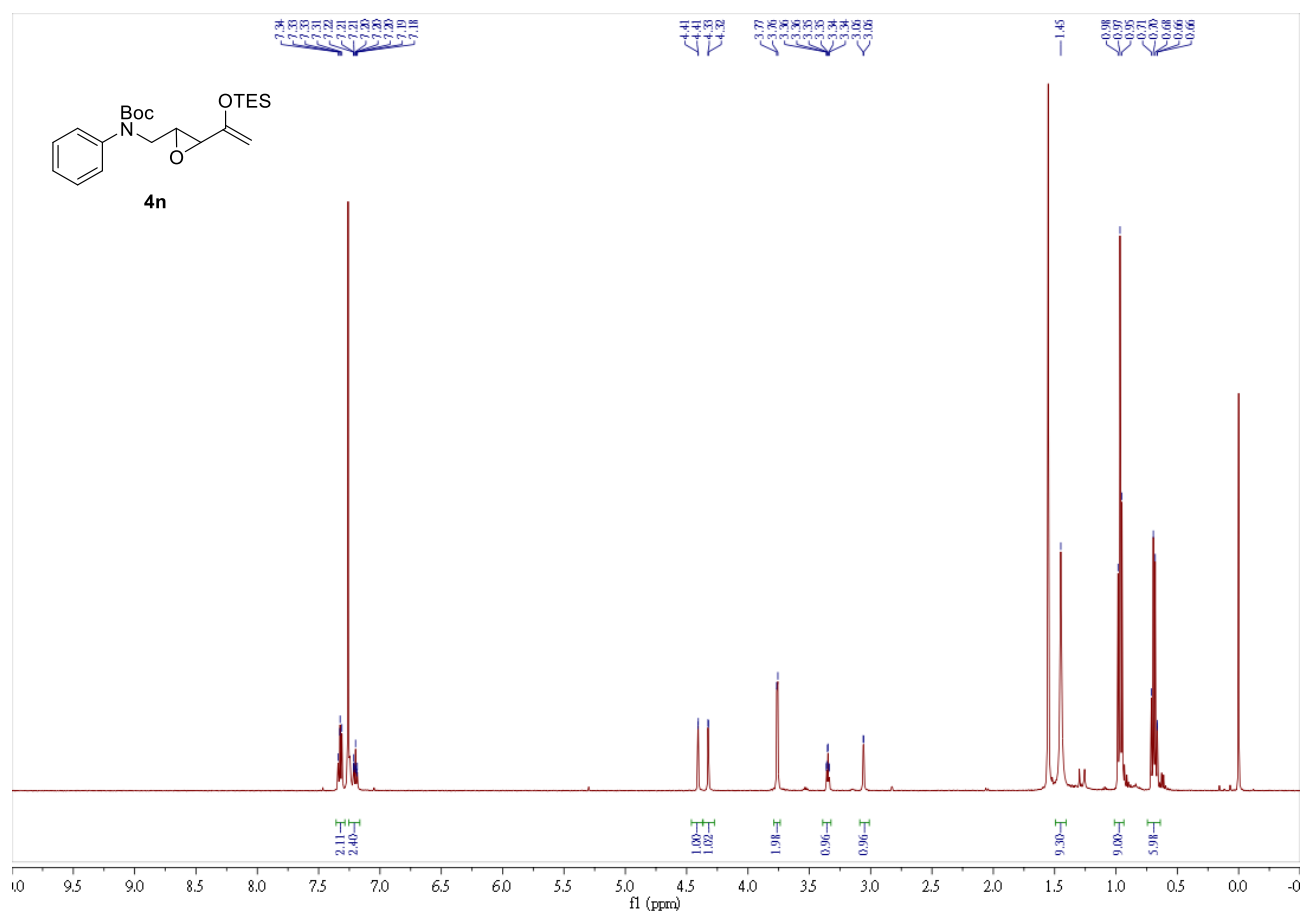


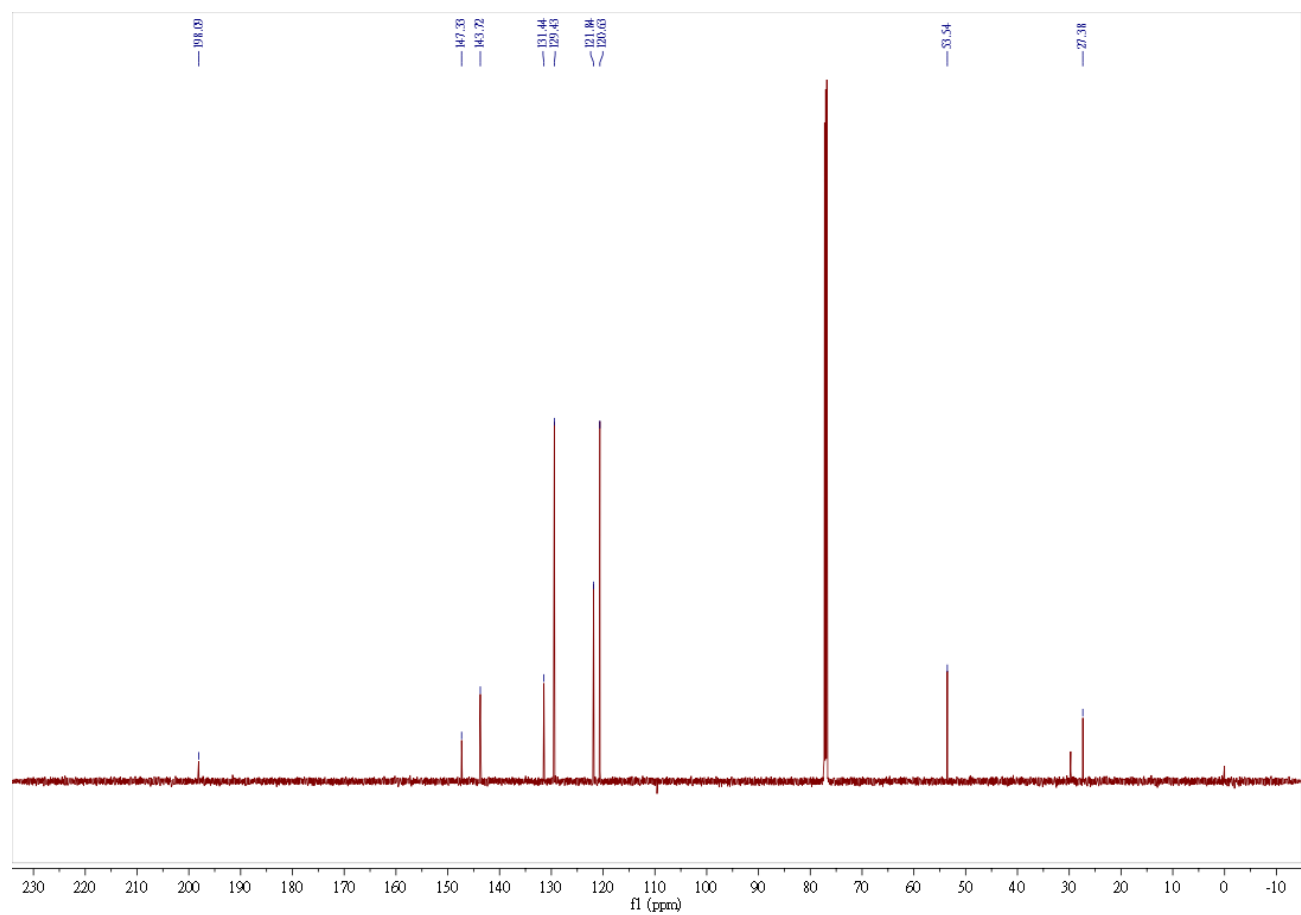
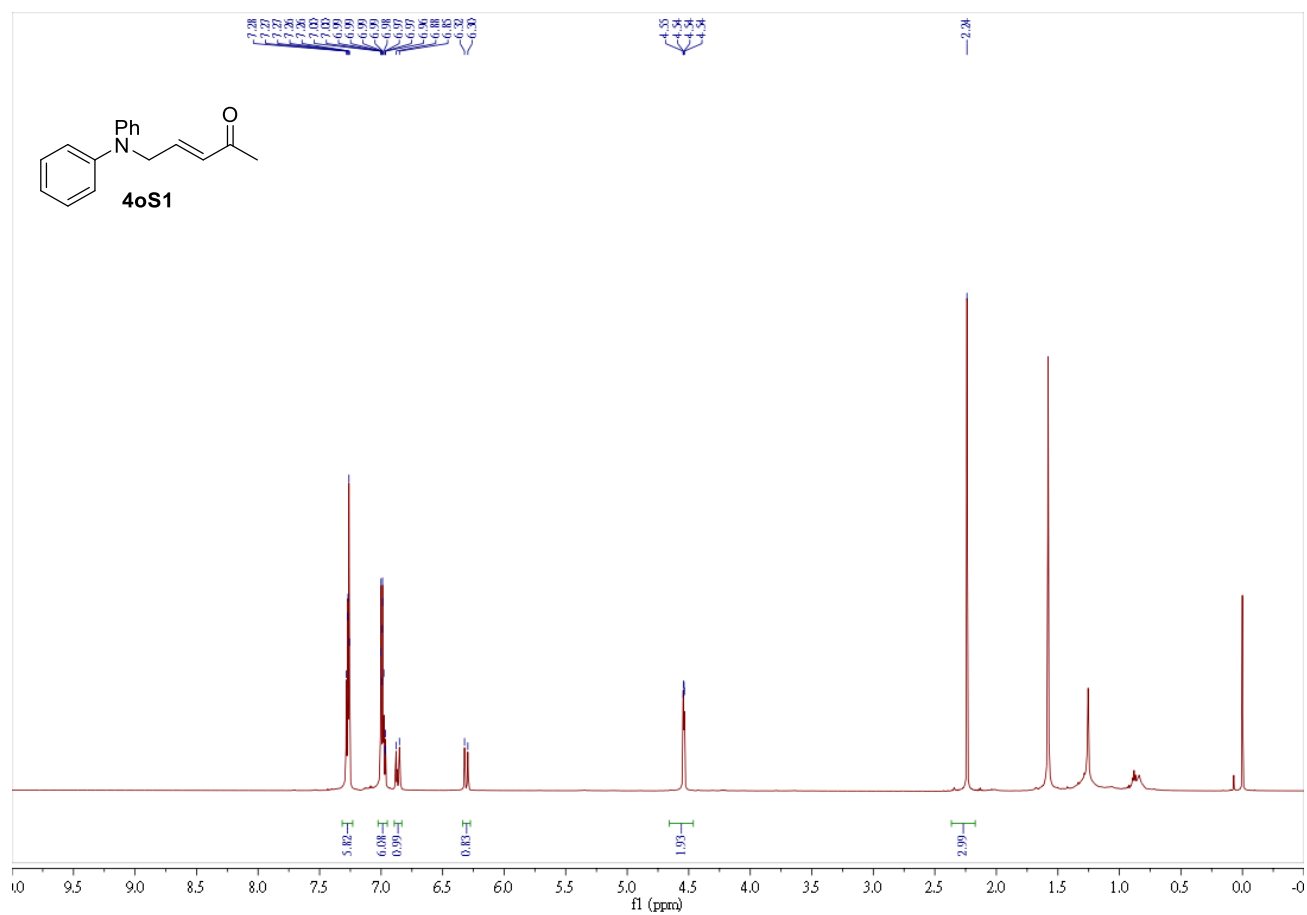


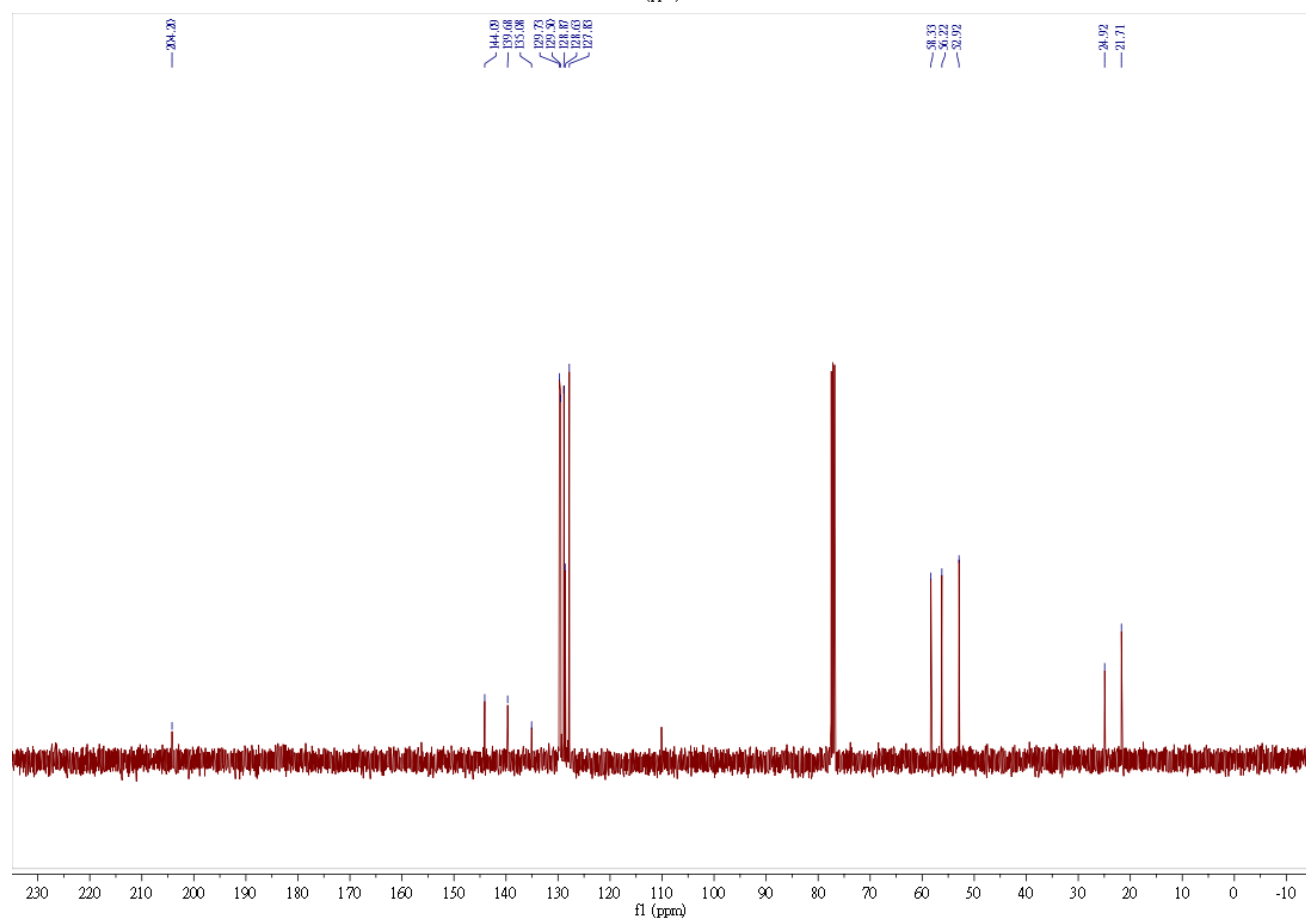
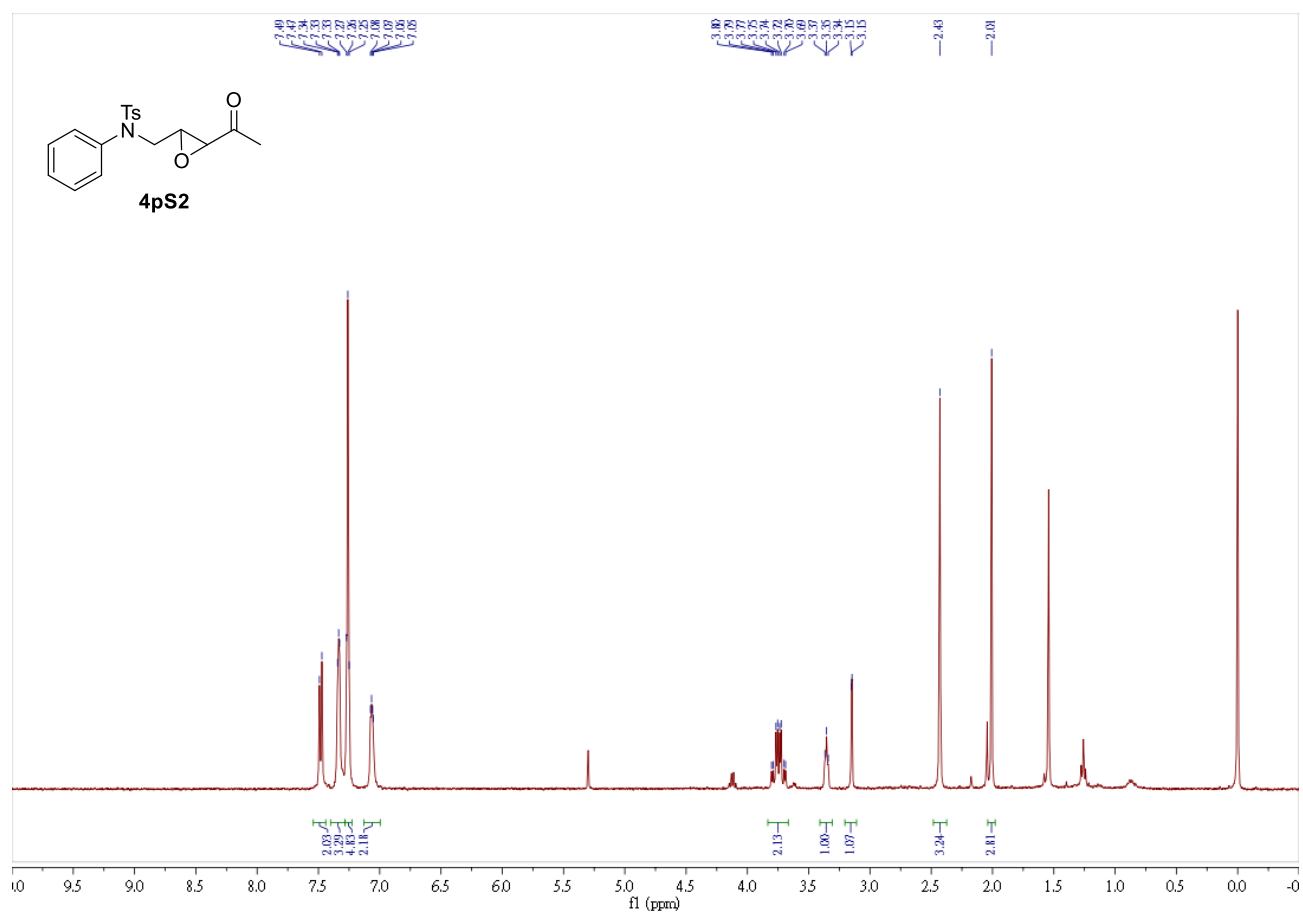


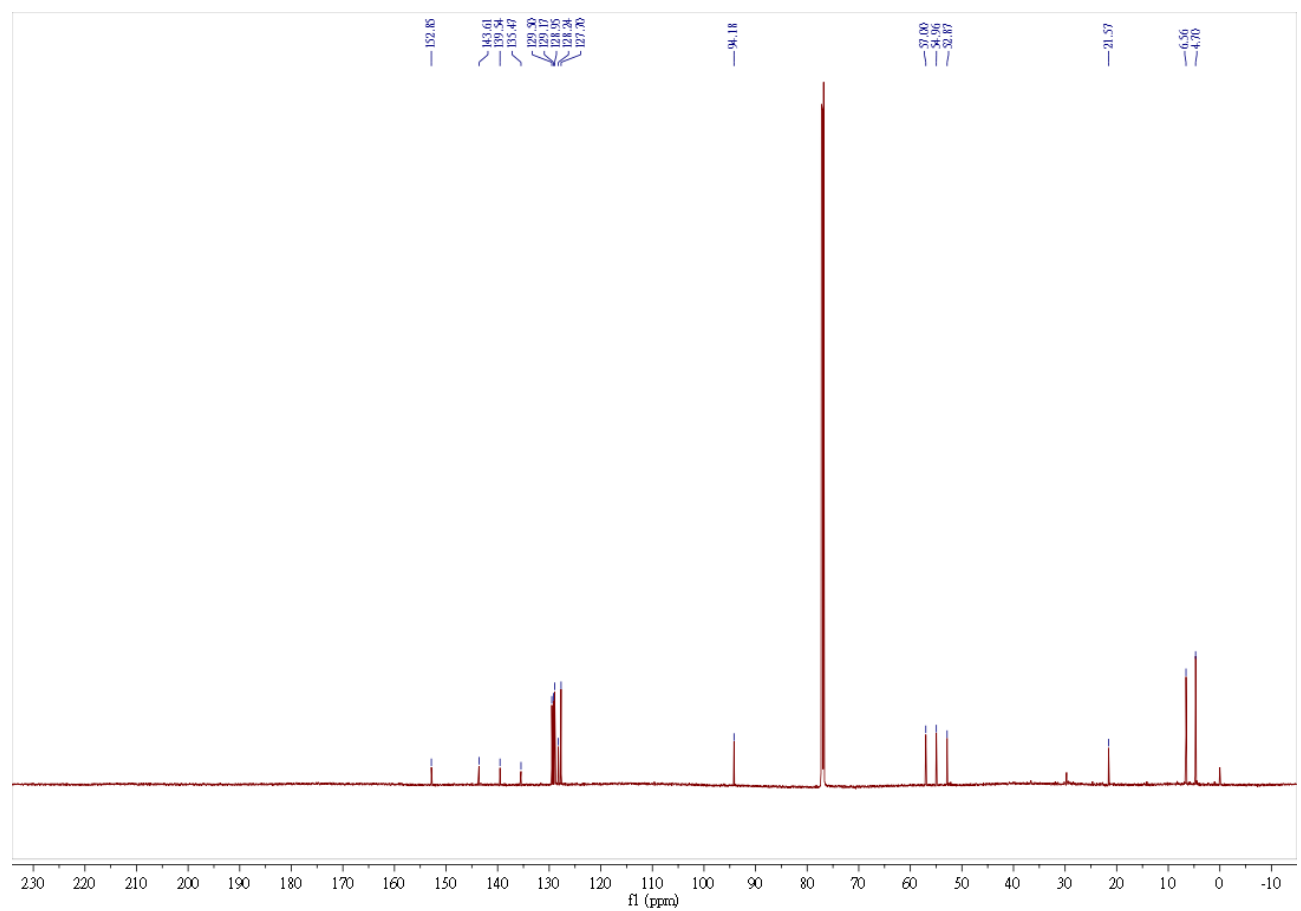
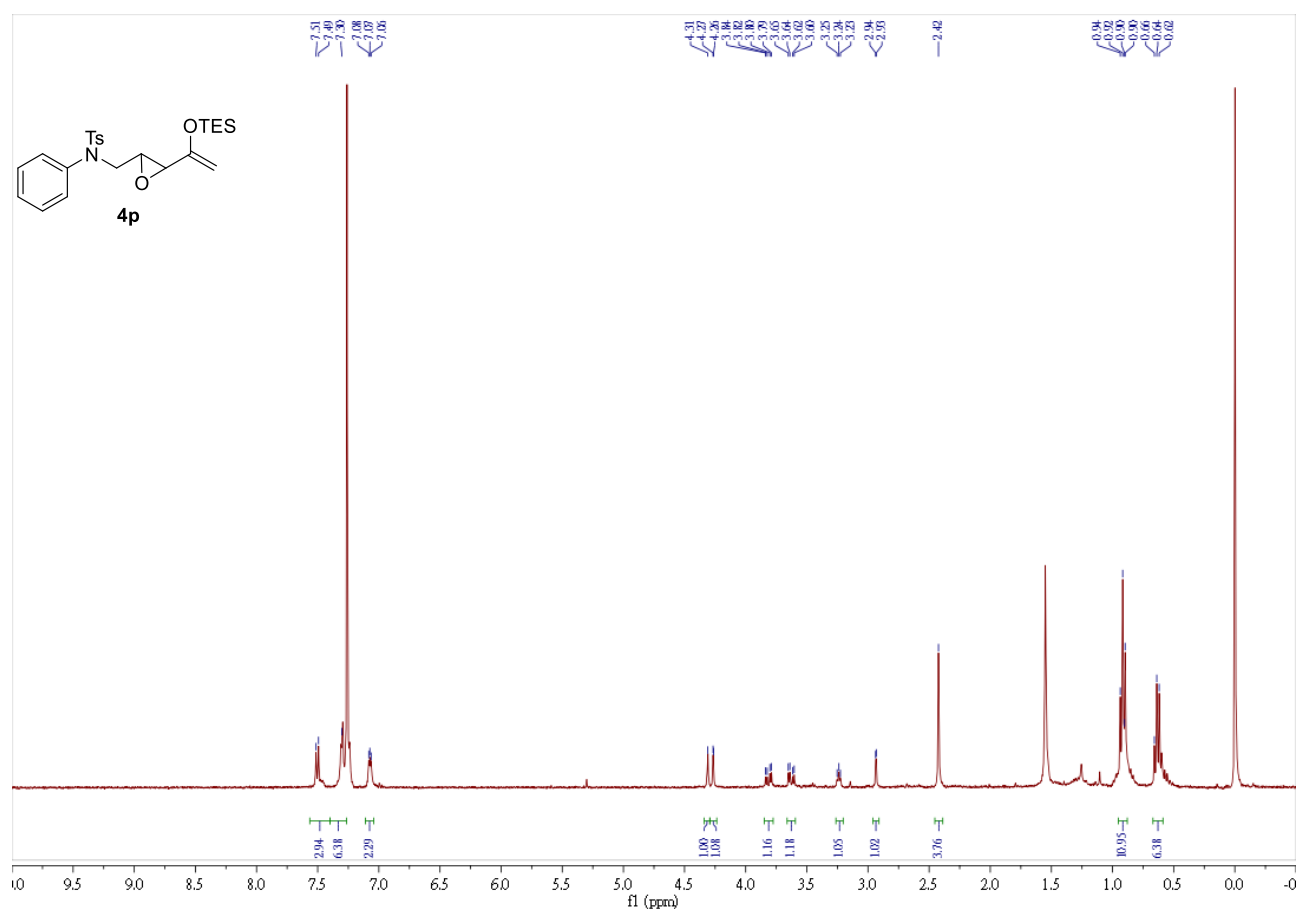


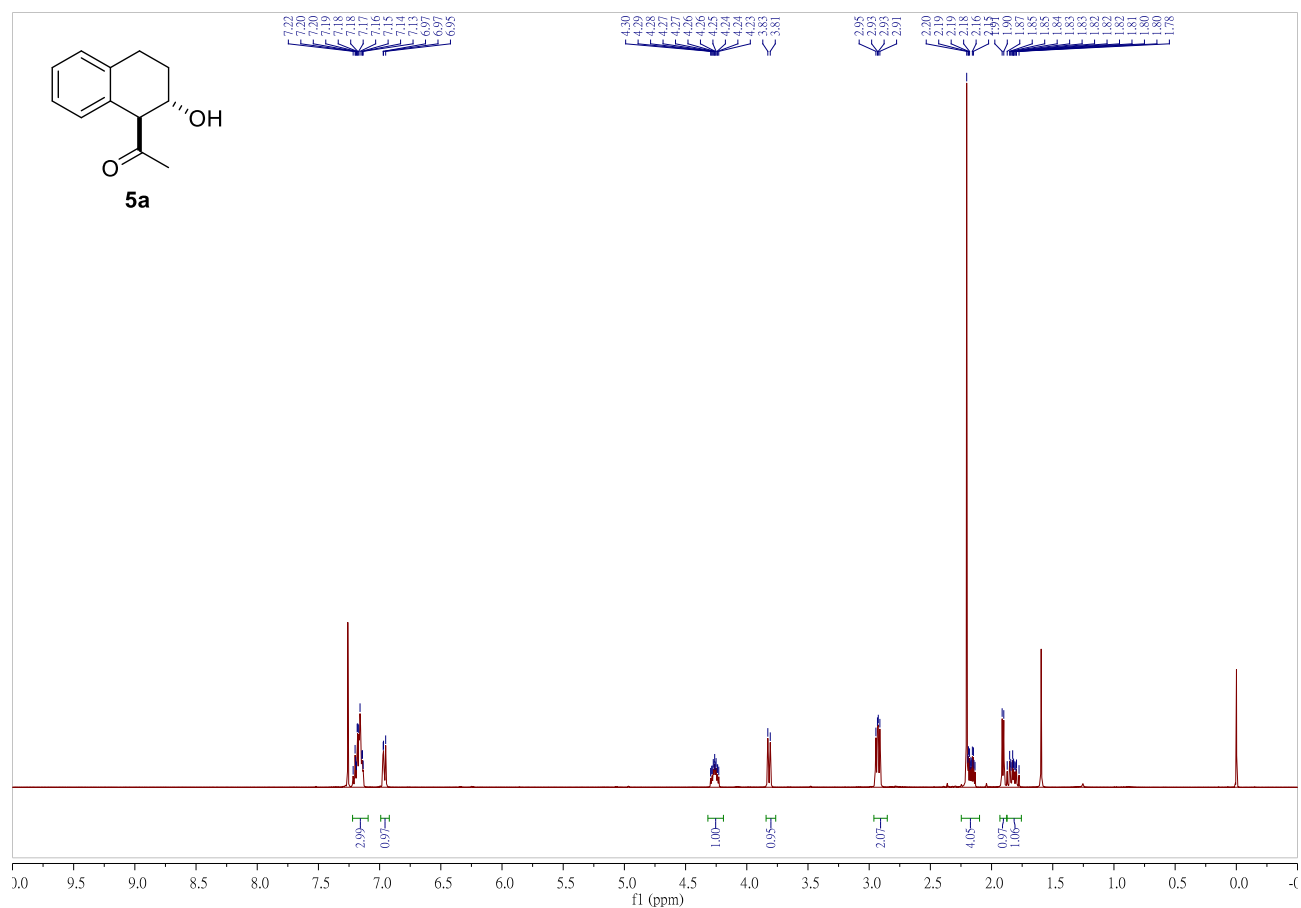












Current Data Parameters
NAME: 5a-13C-175-50
EXPNO: 3
PROCNO: 1

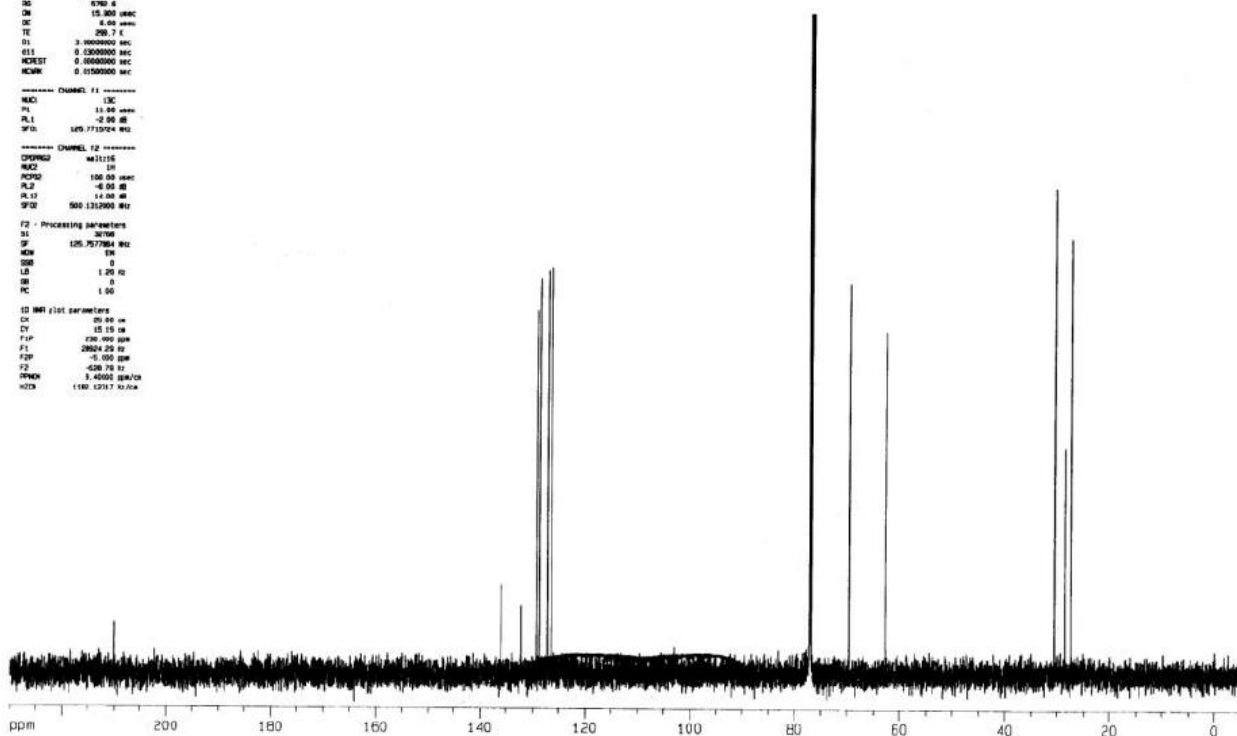
F2 - Acquisition Parameters
Date_: 20110112
Time: 0.21
INSTRUM: spect
PROBHD: 5mm 1H/13
PULPROG: zgpg30
TD: 65536
SOLVENT: CDCl3
NS: 143
DS: 4
SWH: 30486.561 Hz
FIDRES: 1.908872 Hz
AQ: 0.5018112 sec
RG: 6780.4
DM: 15.800 mm
DC: 0.00 mm
TE: 299.7 K
D1: 3.0000000 sec
d11: 0.1300000 sec
INJECT: 0.0000000 sec
HSCN: 0.0100000 sec

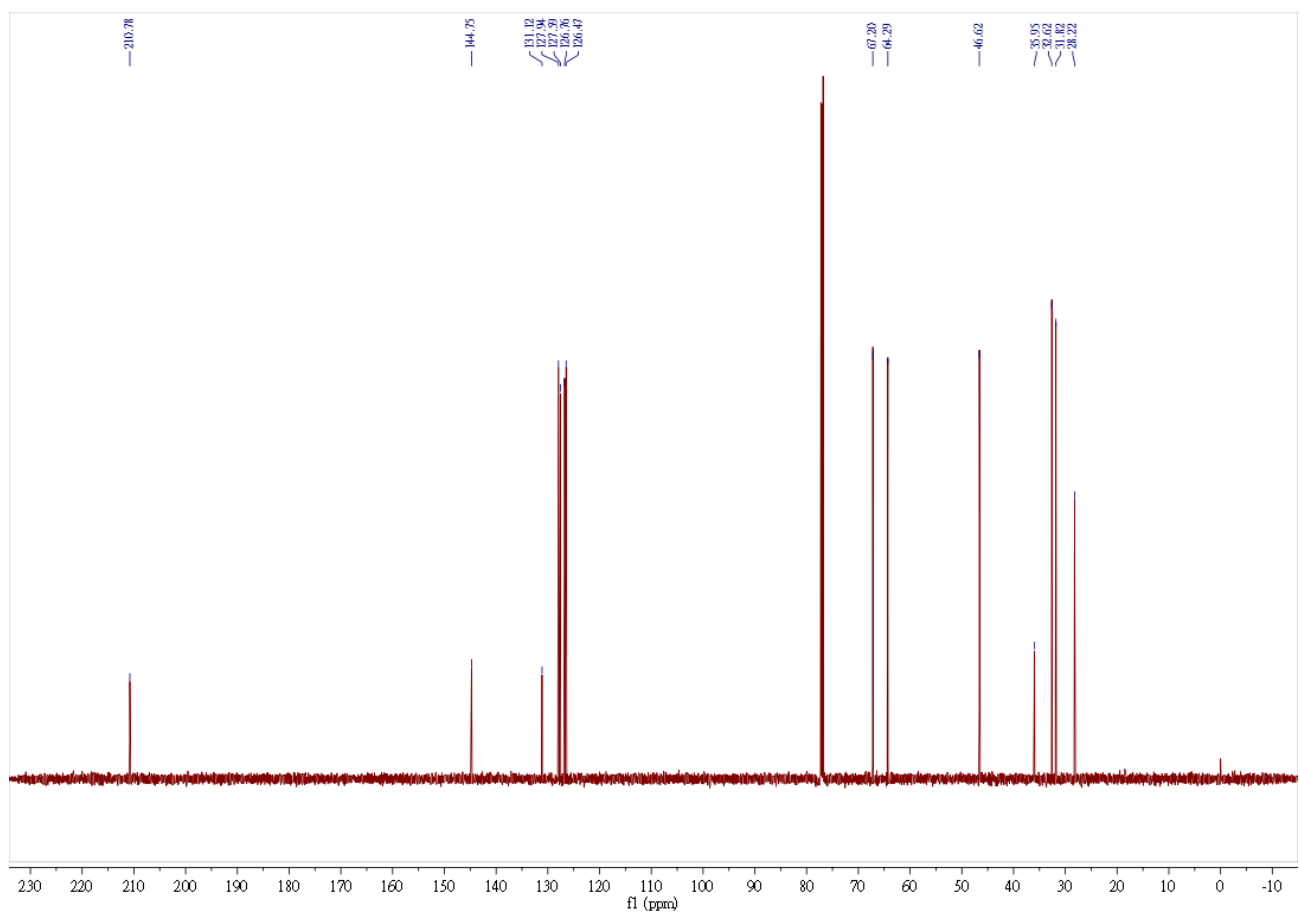
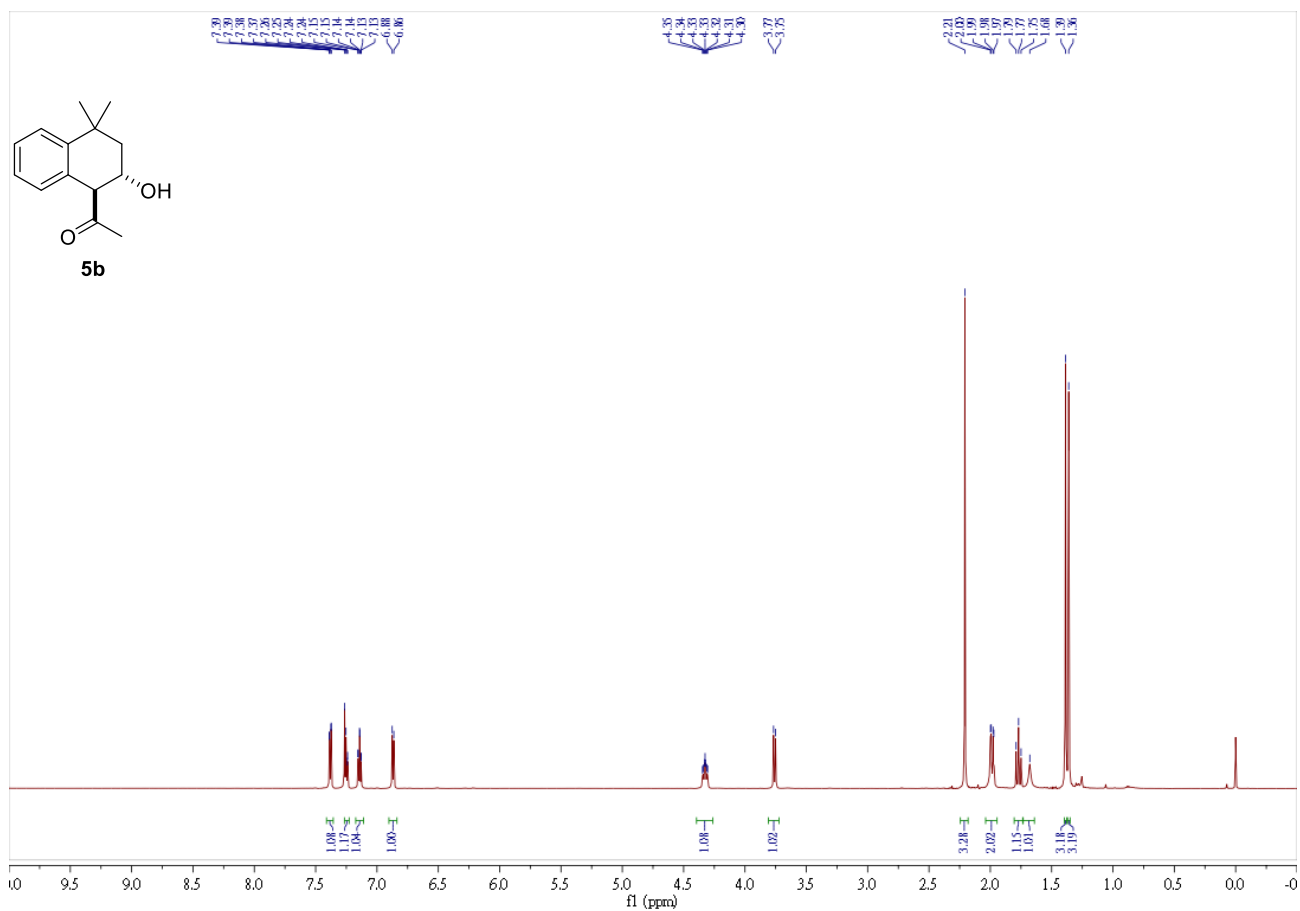
===== CHANNEL f1 =====
NUC1: 13C
P1: 13.00 mm
PL1: -2.00 dB
SFO1: 100.6261200 MHz

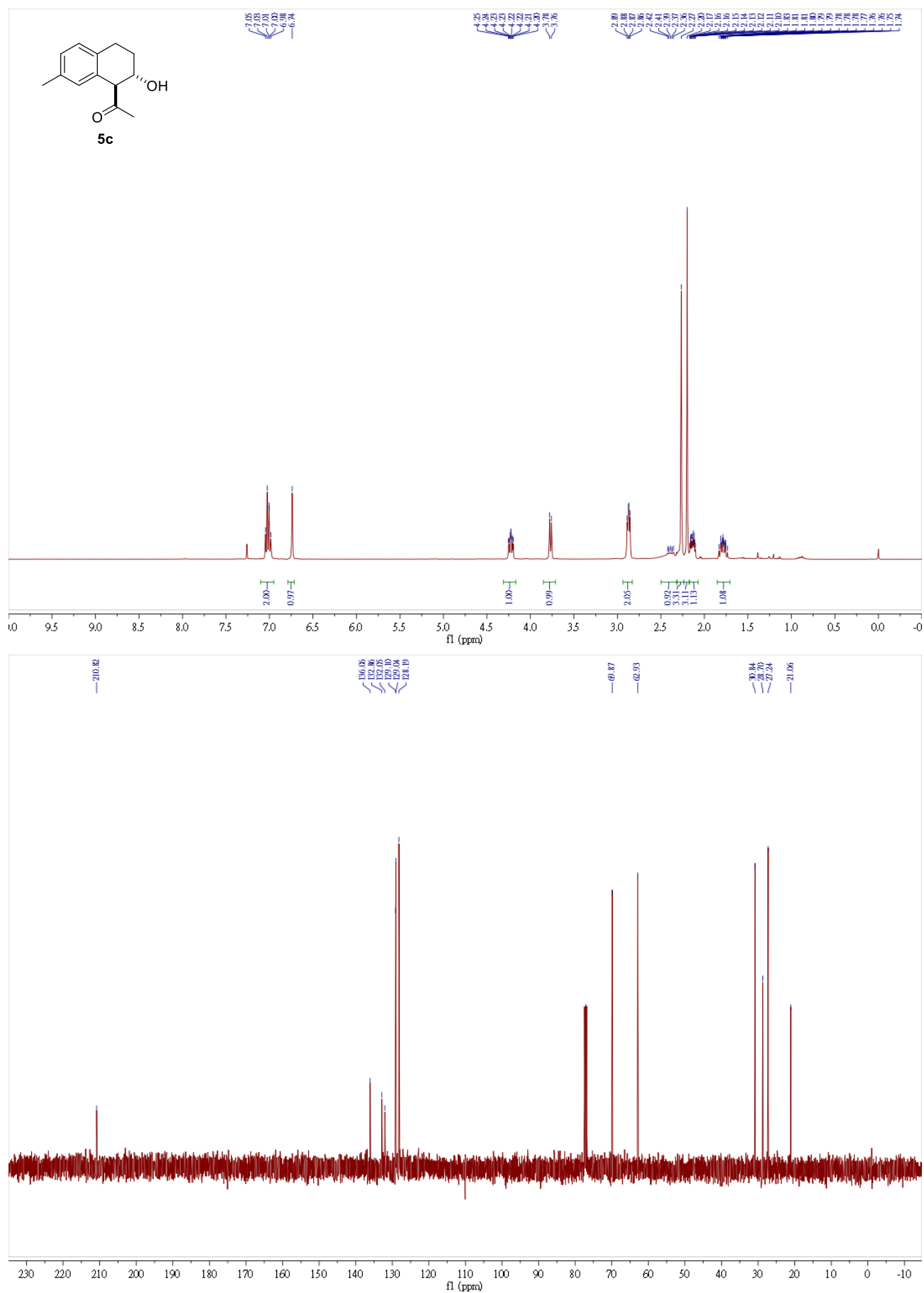
===== CHANNEL f2 =====
CPDPRG2: waltz16
NUC2: 1H
PCPD2: 100.00 mm
PL2: -2.00 dB
PL12: 19.00 dB
SFO2: 500.1324900 MHz

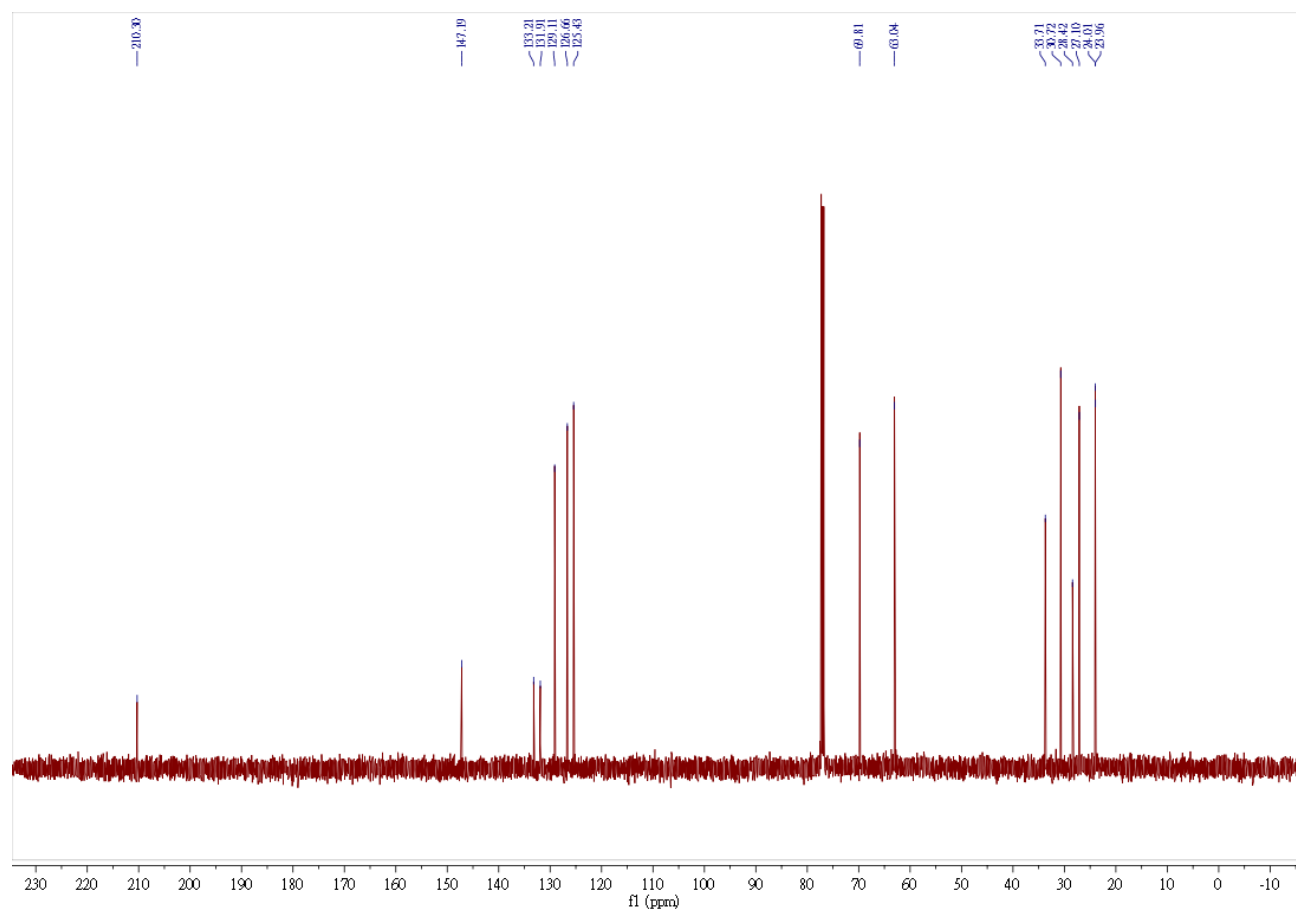
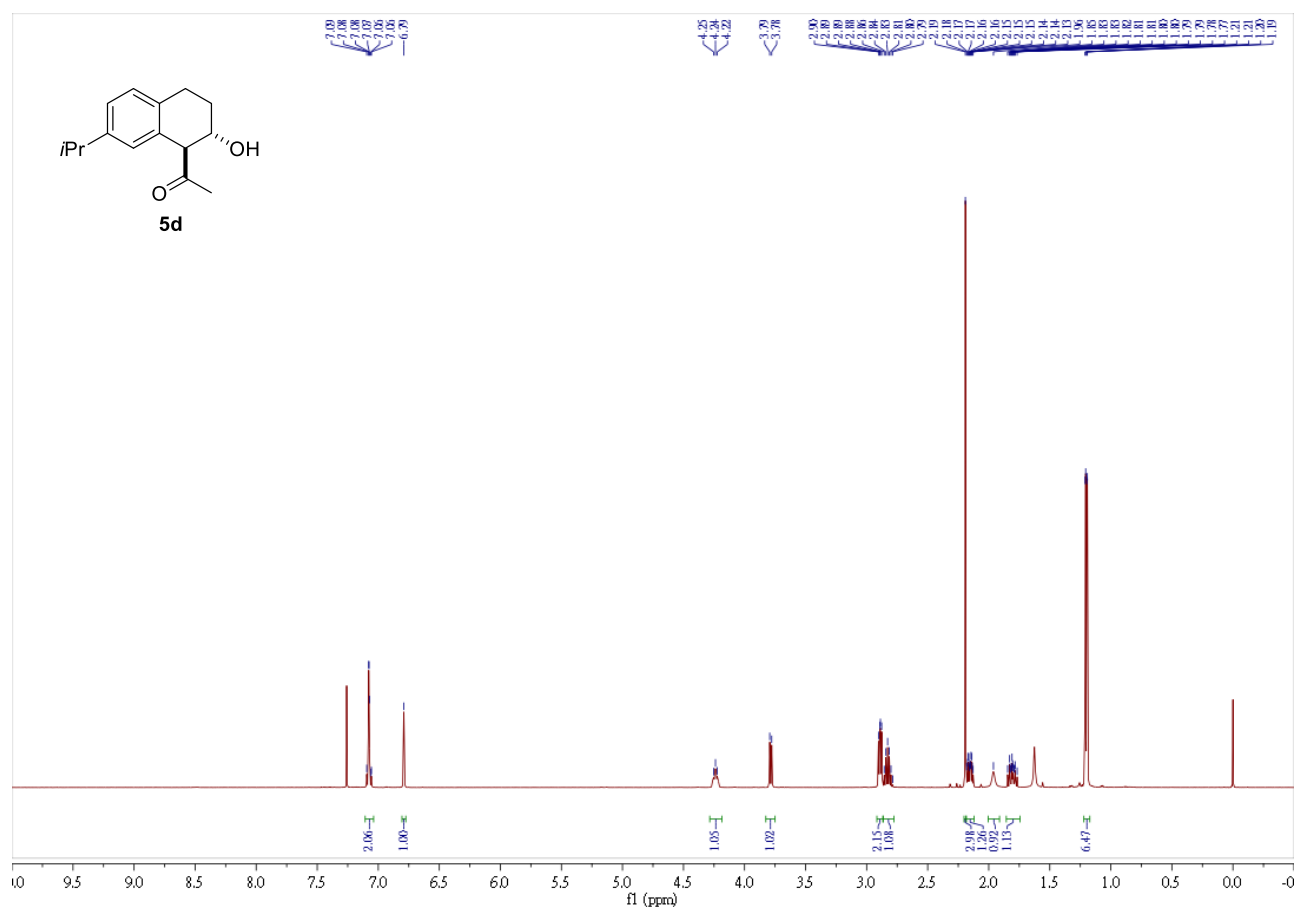
F2 - Processing parameters
SI: 32768
SF: 125.7677004 MHz
WDW: EM
SSB: 0
LB: 1.20 Hz
GB: 0
PC: 1.00

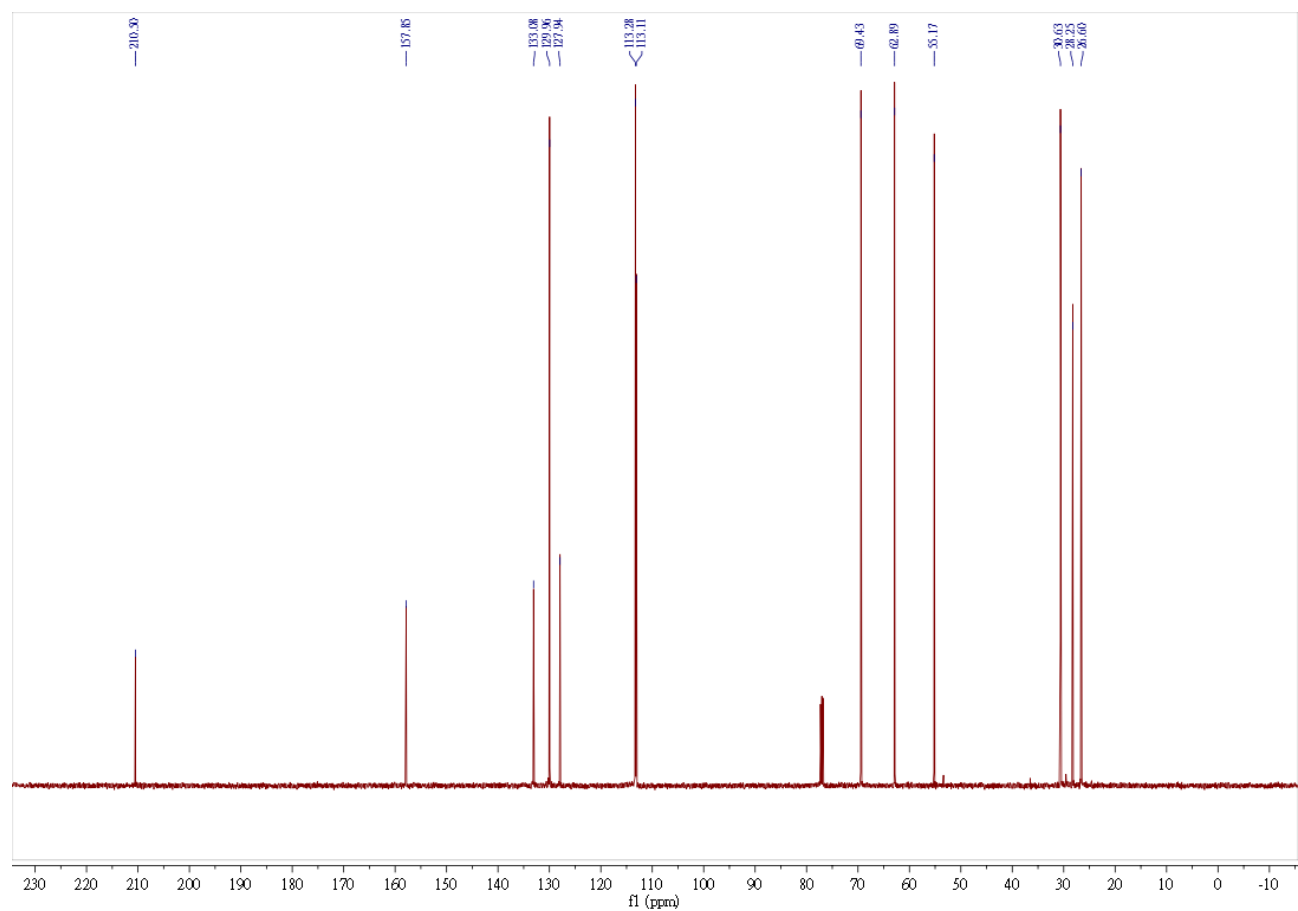
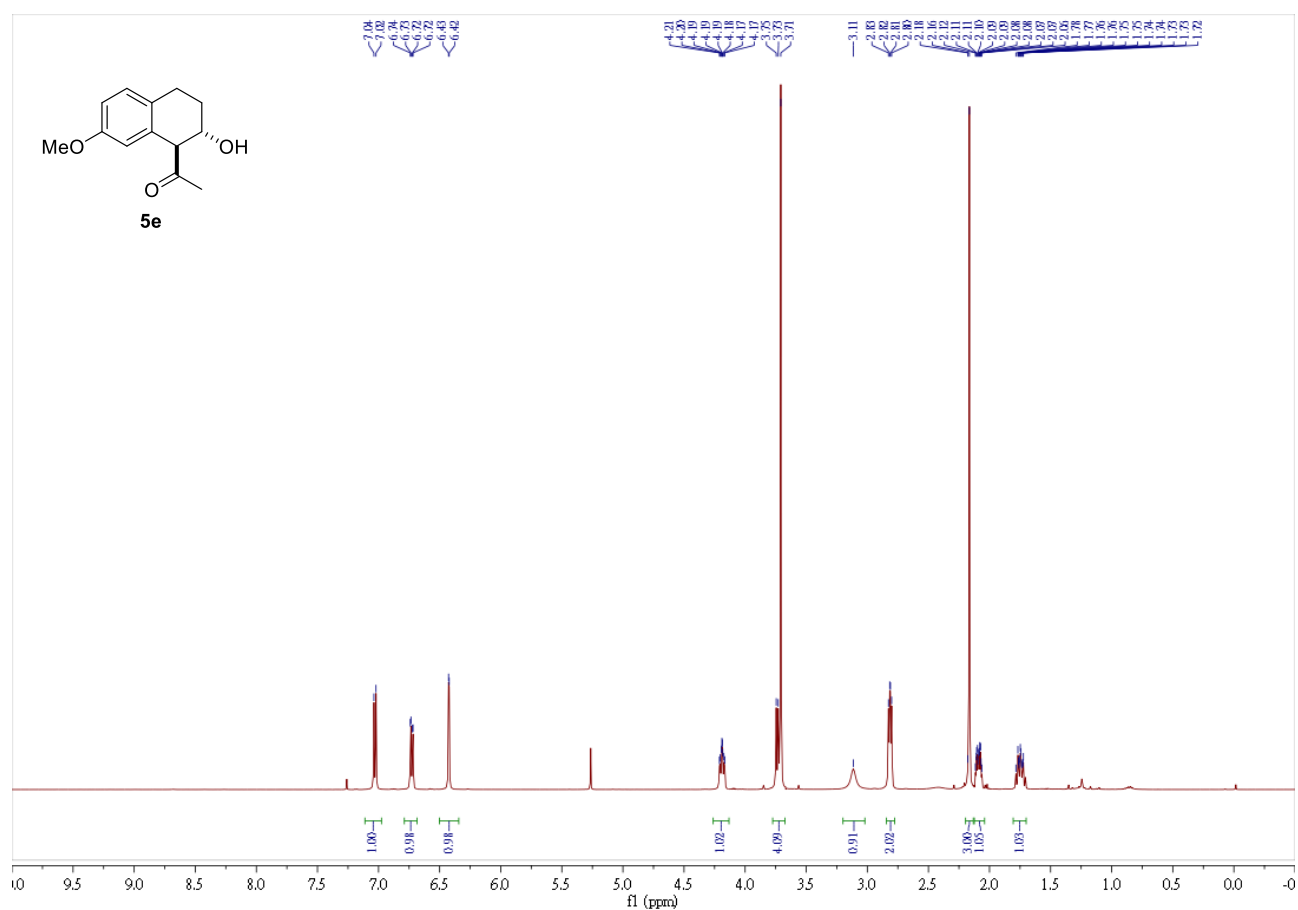
1D 1H/13C parameters
CX: 20.00 mm
CY: 13.15 mm
F1P: 100.6261200 MHz
P1: 280.00 mm
F2P: 500.1324900 MHz
F2: 500.1324900 MHz
SFO1: 100.6261200 MHz

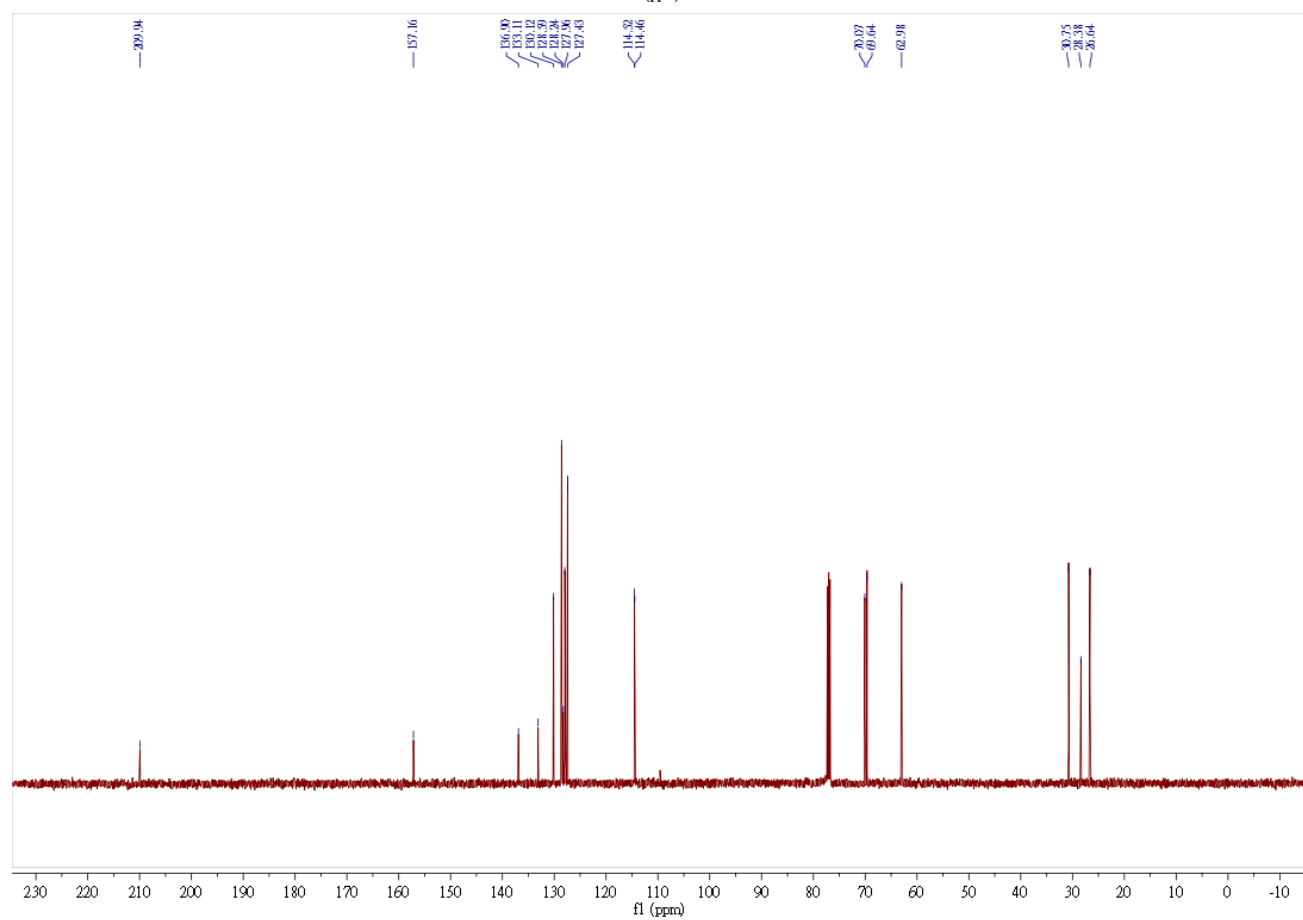
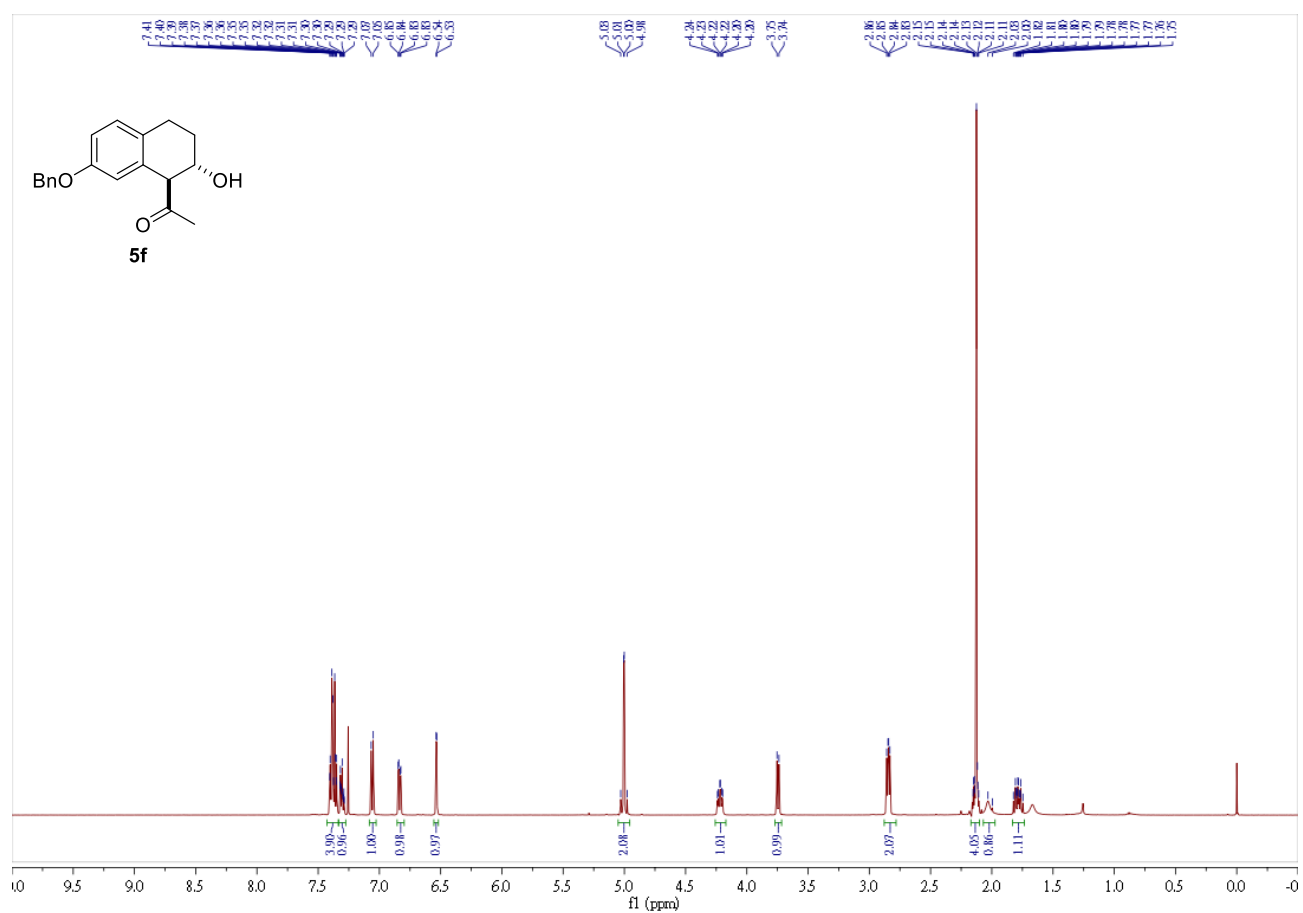


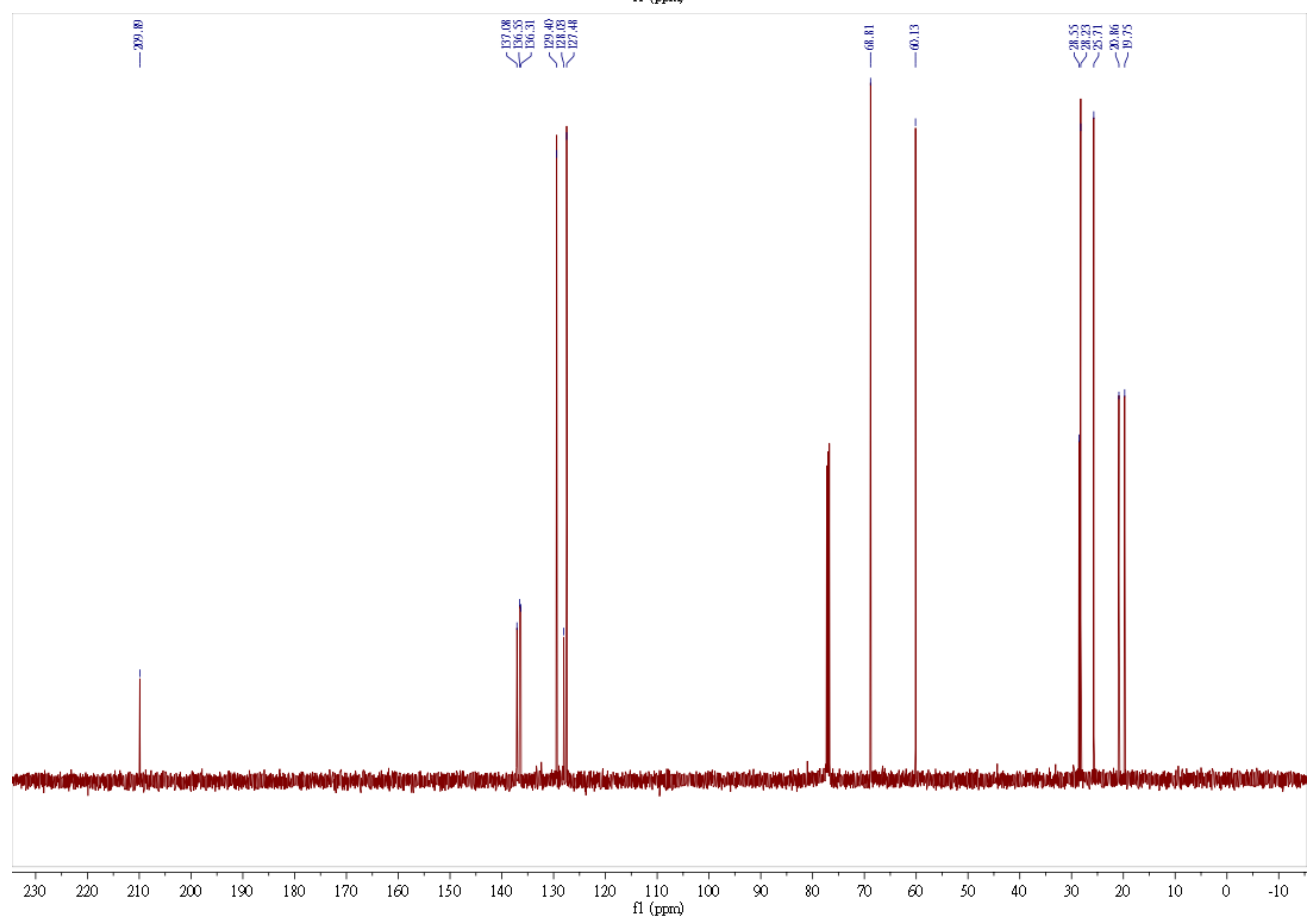
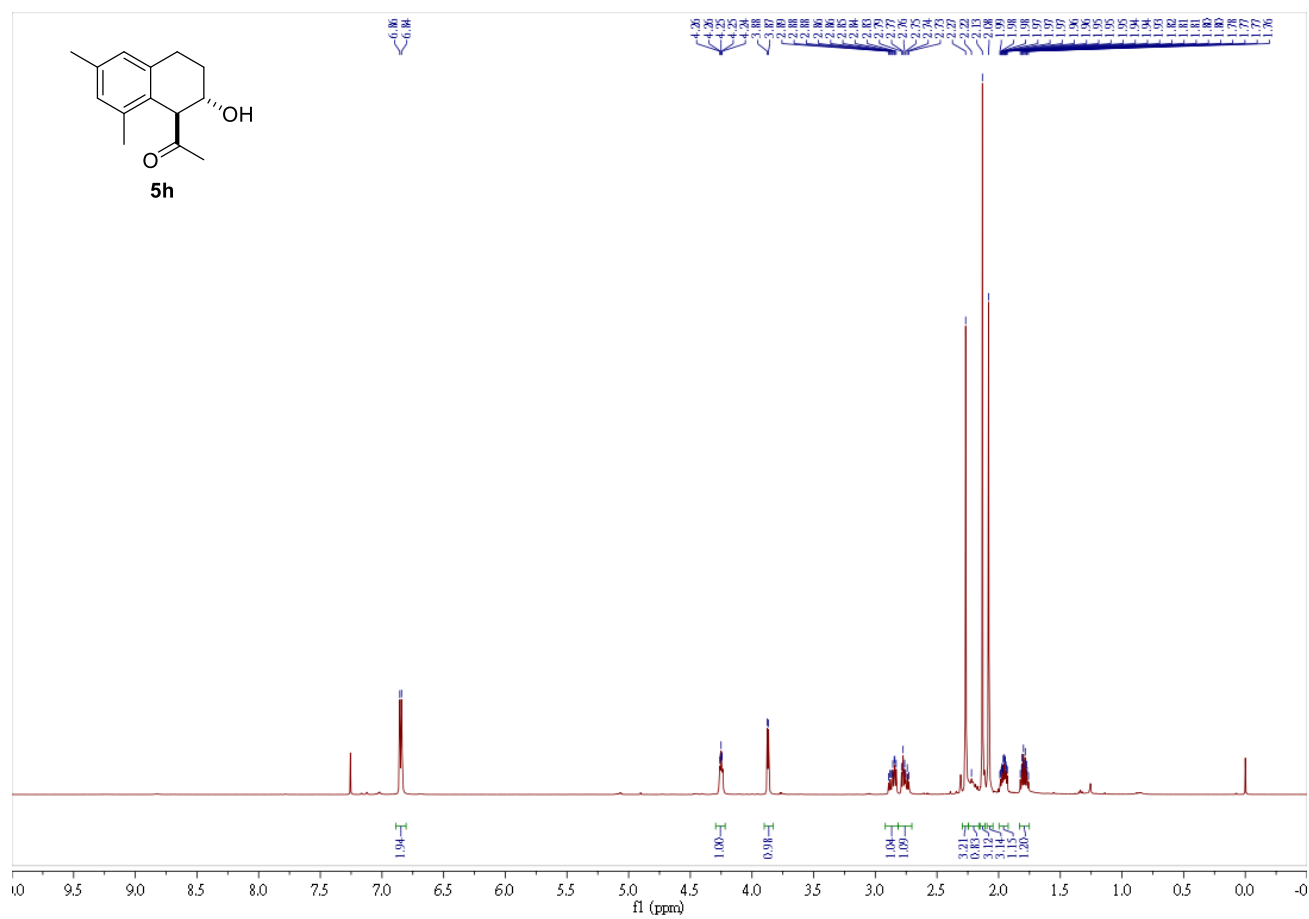


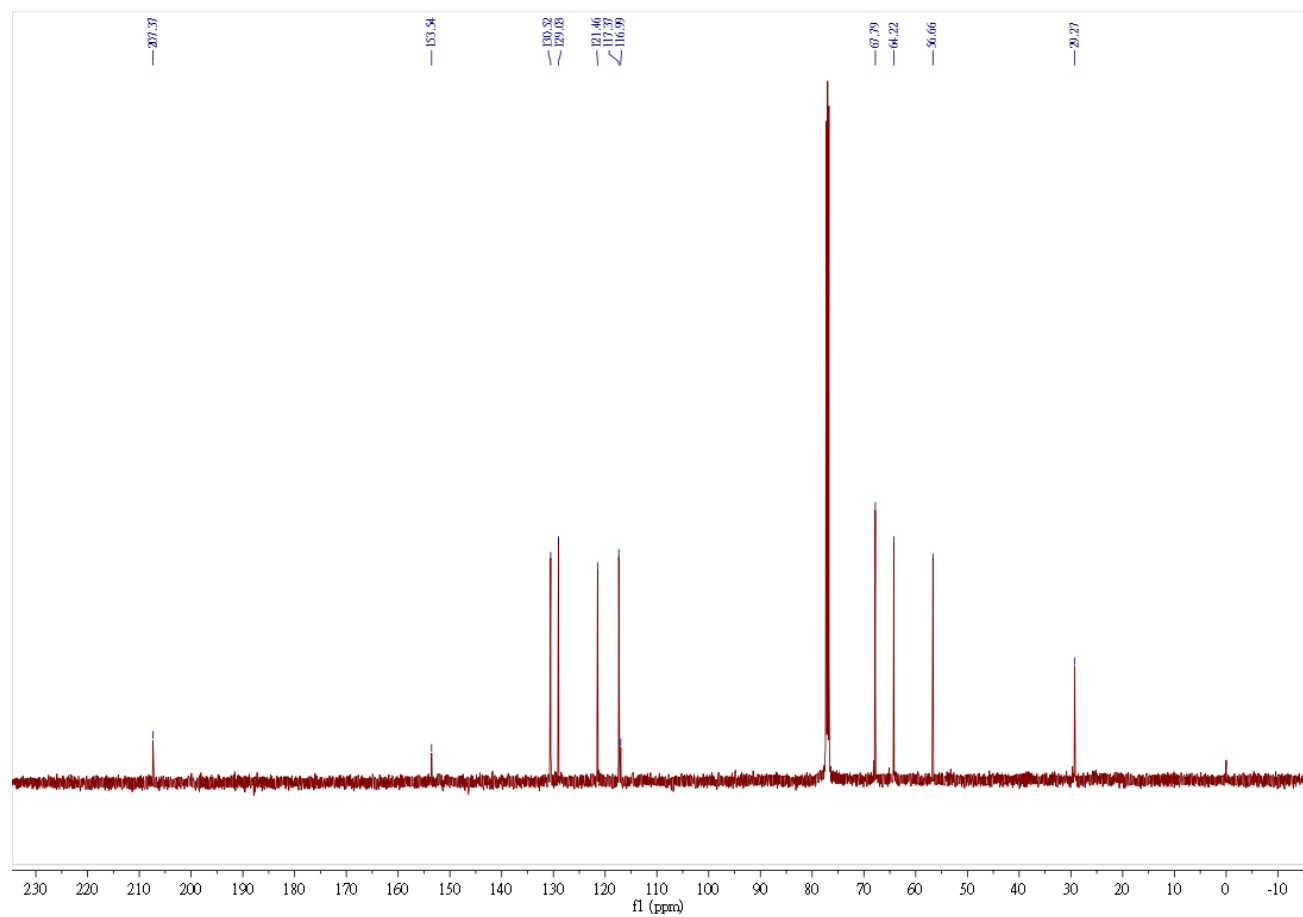
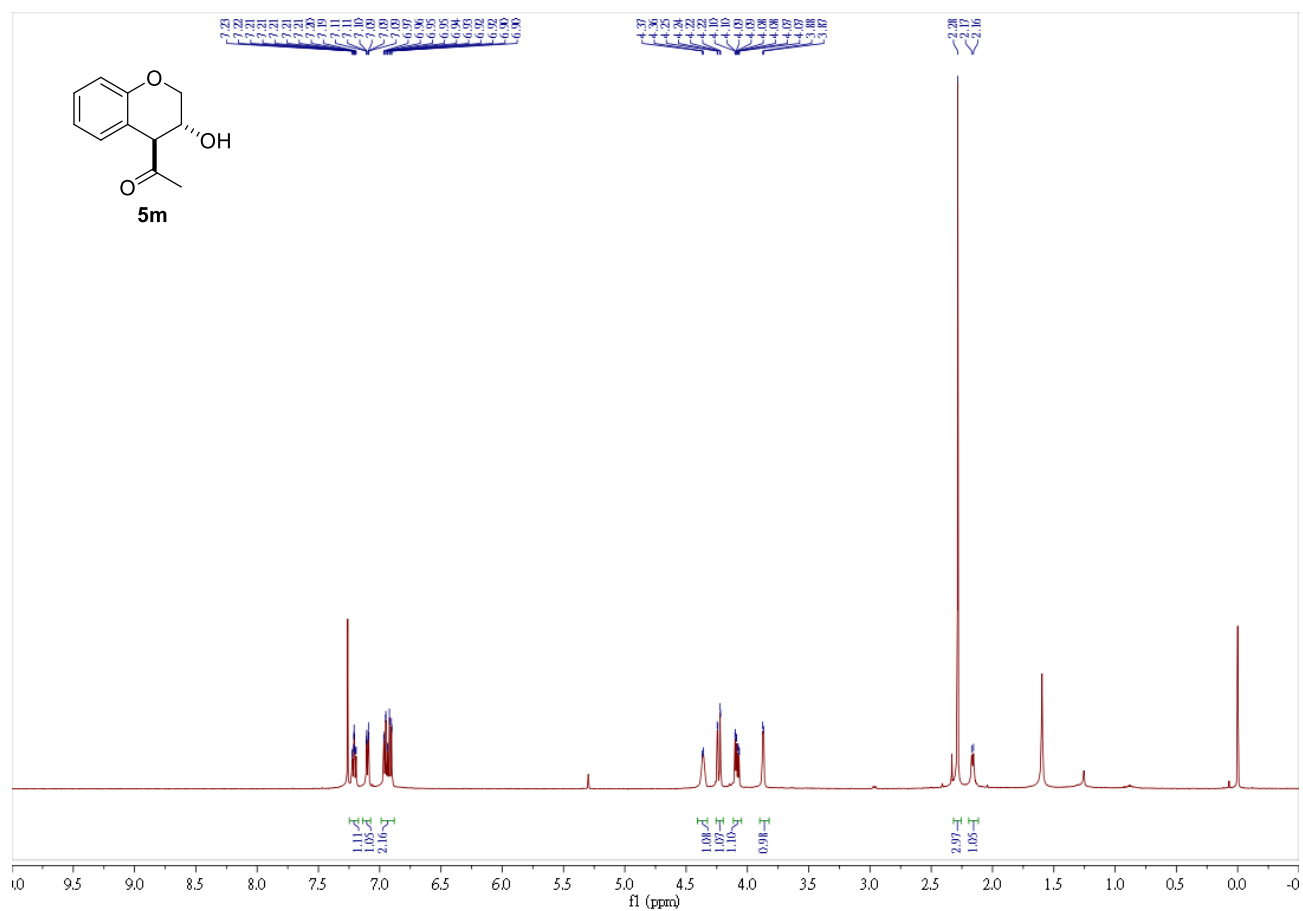


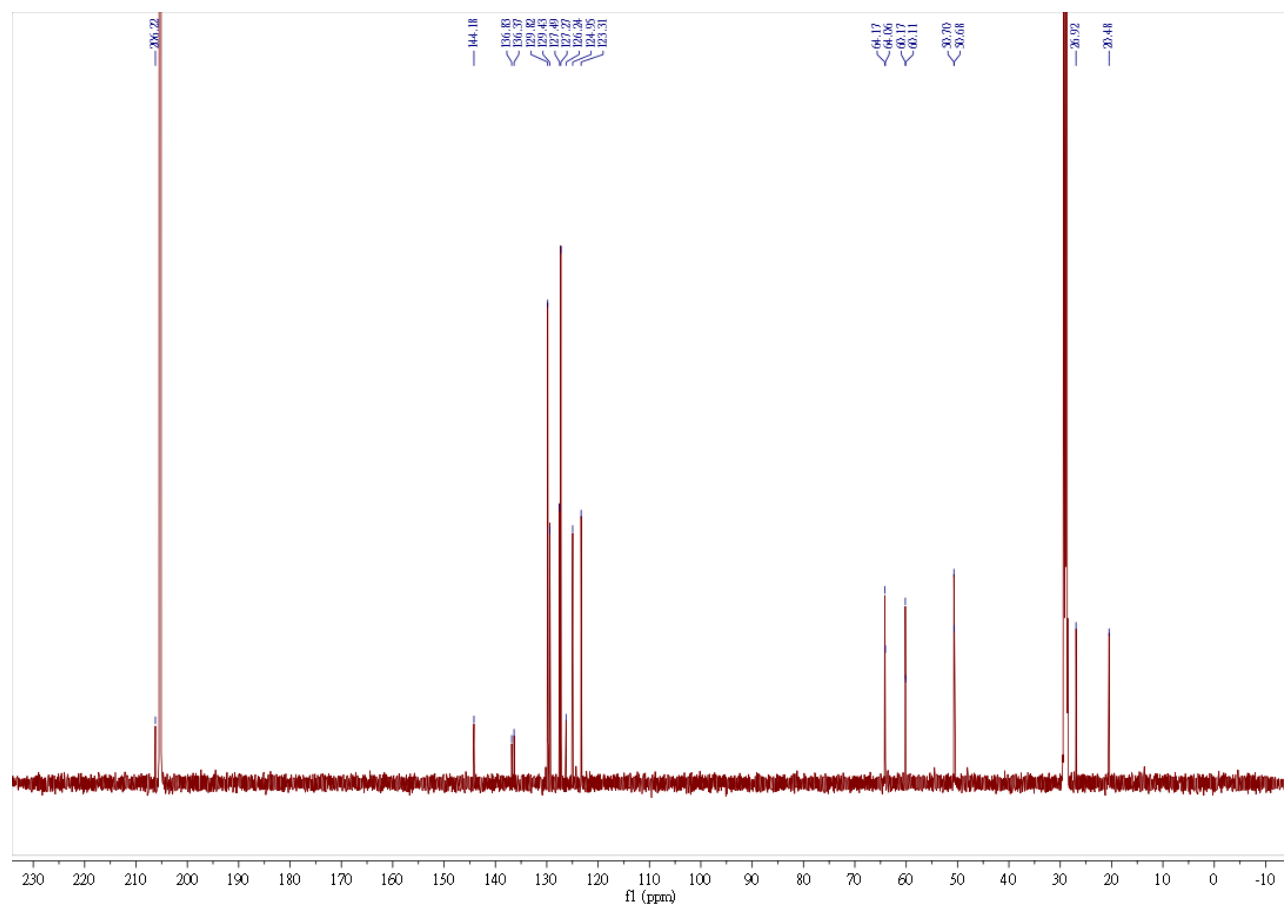
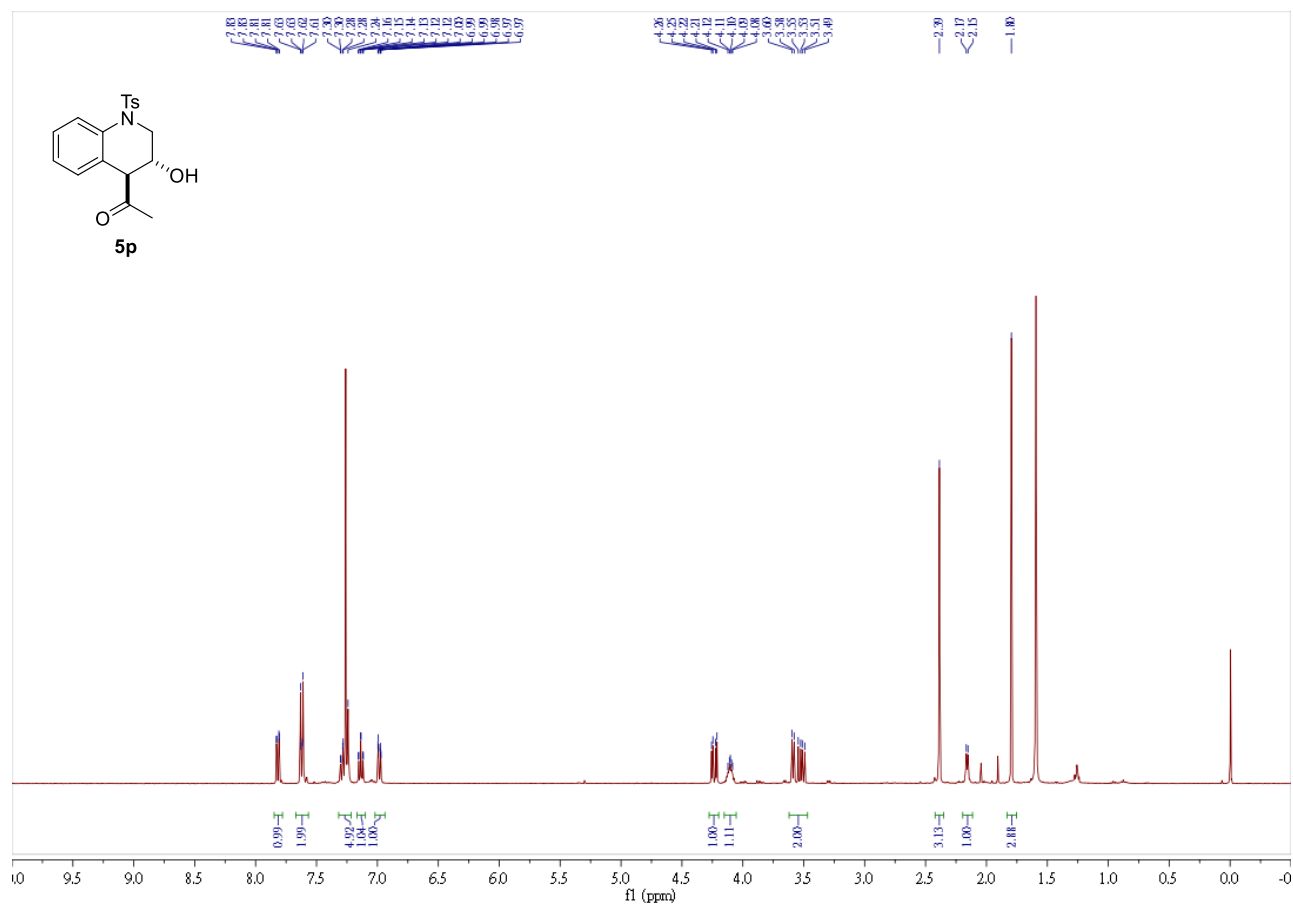


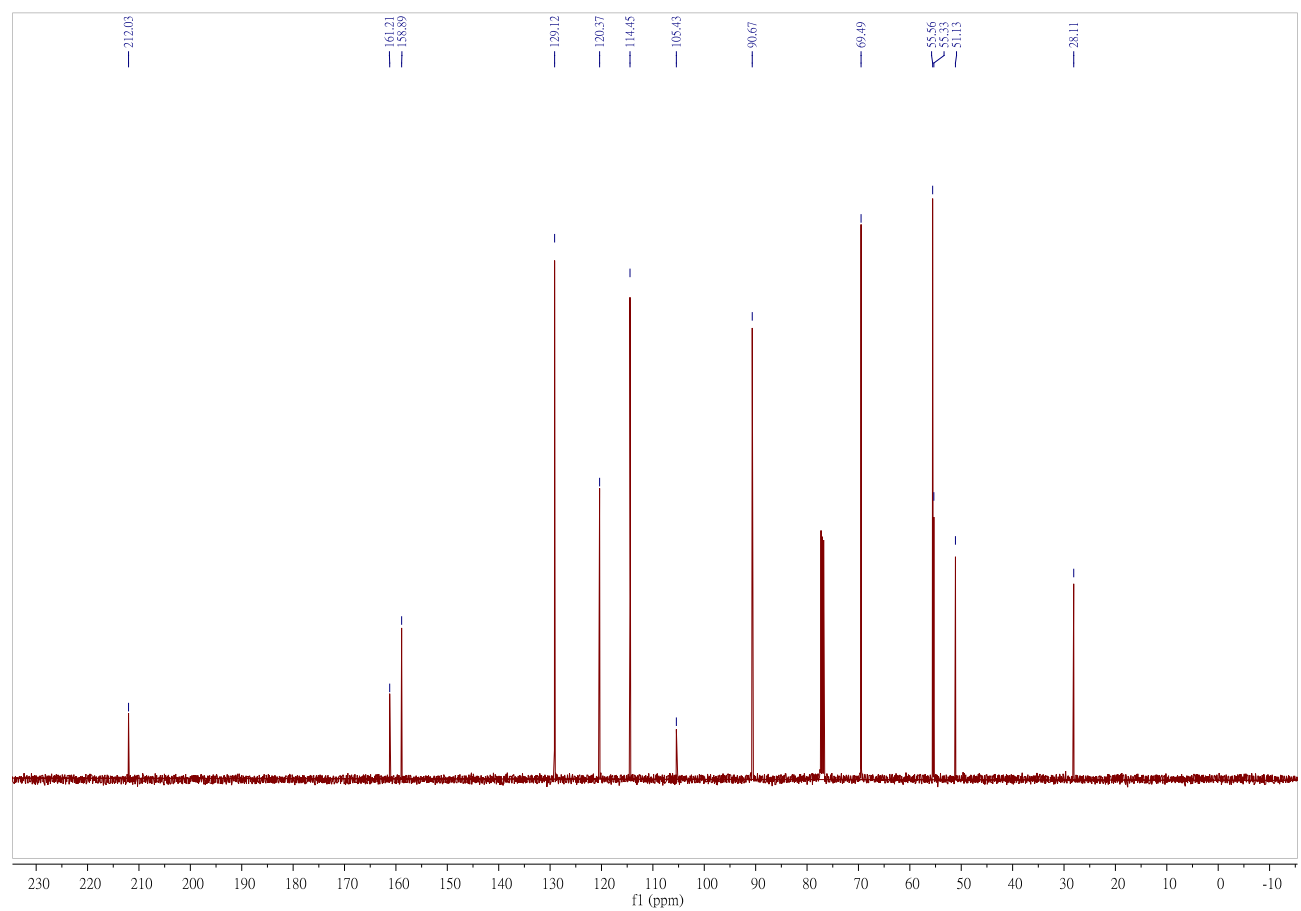
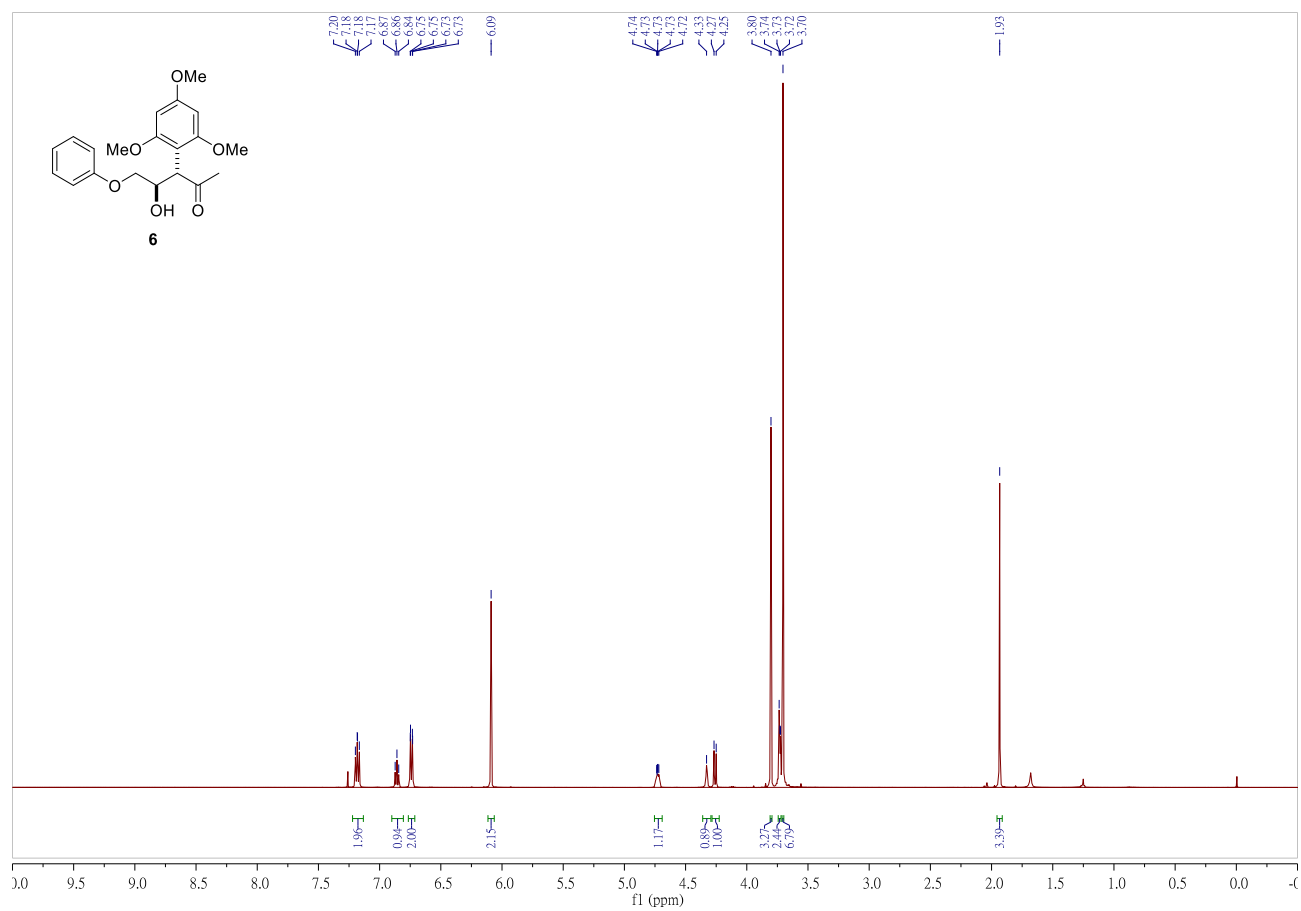


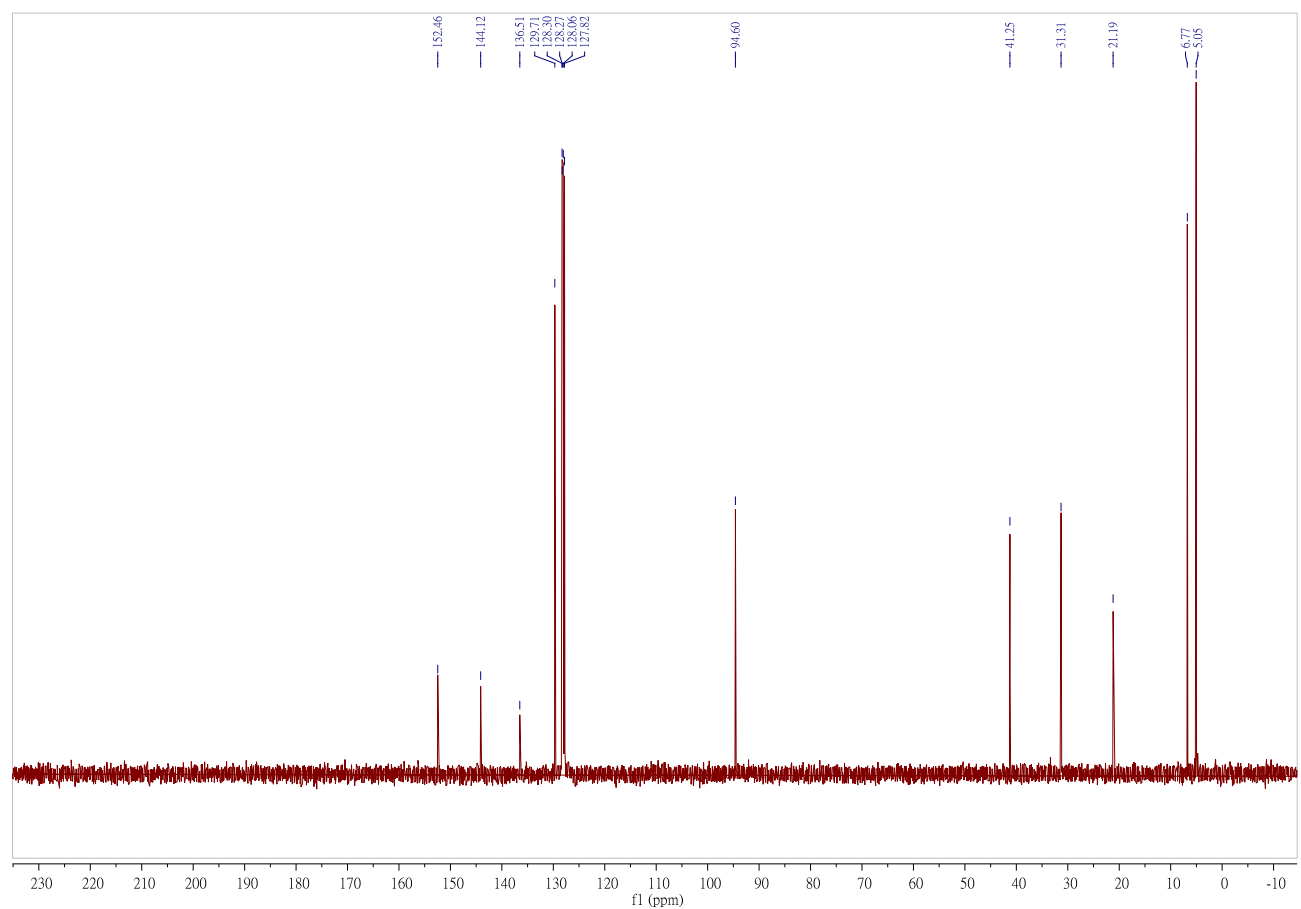
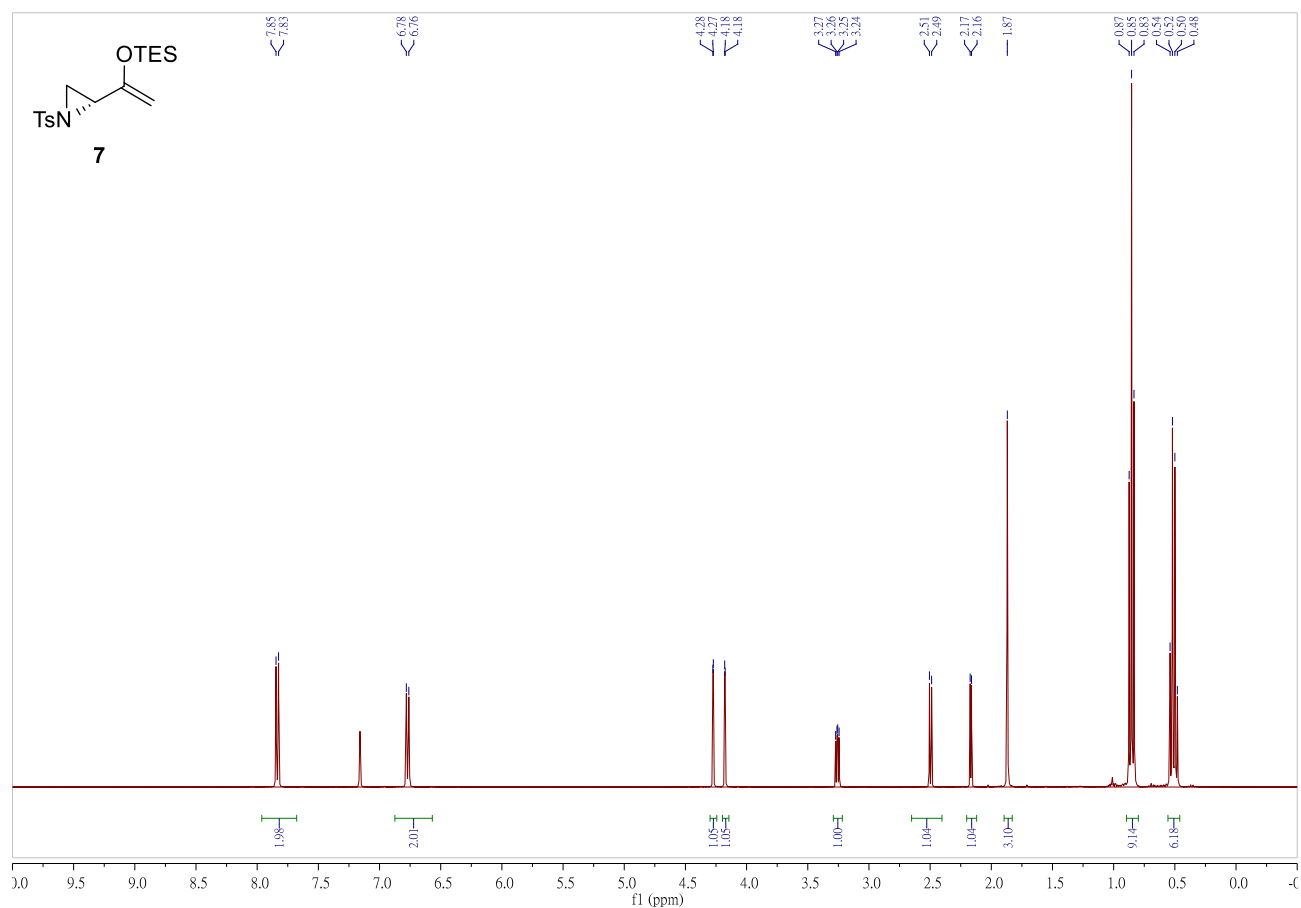


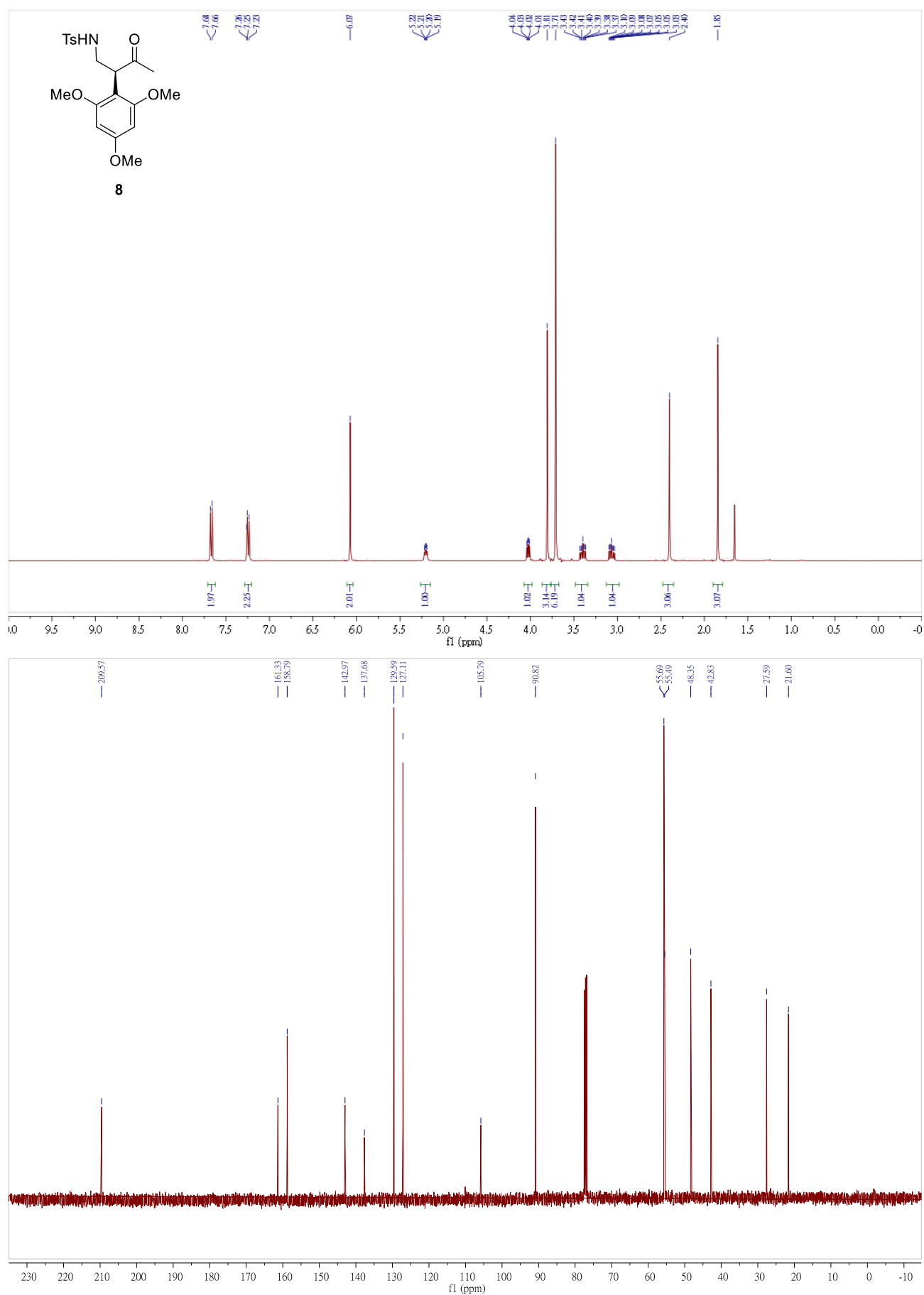


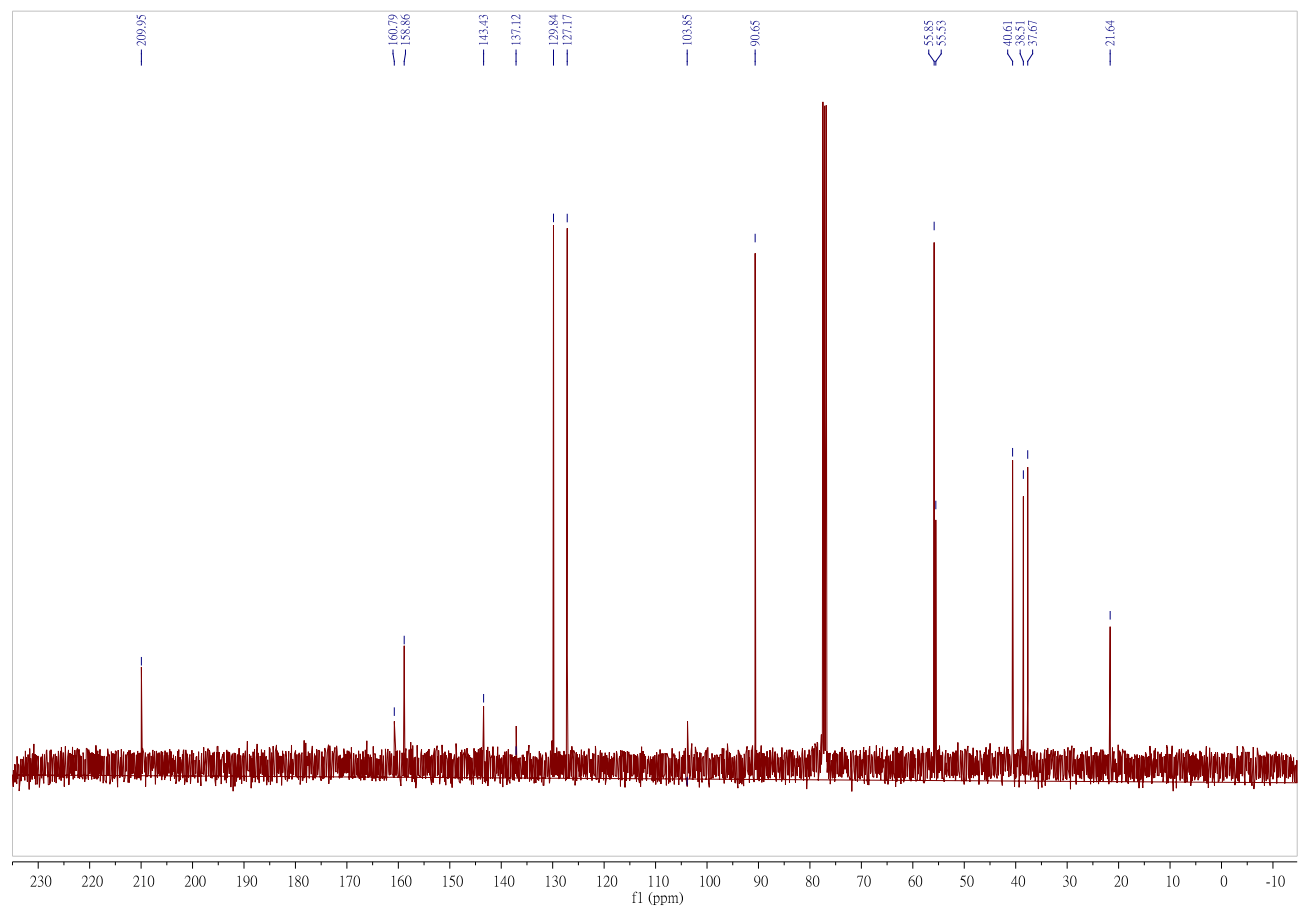
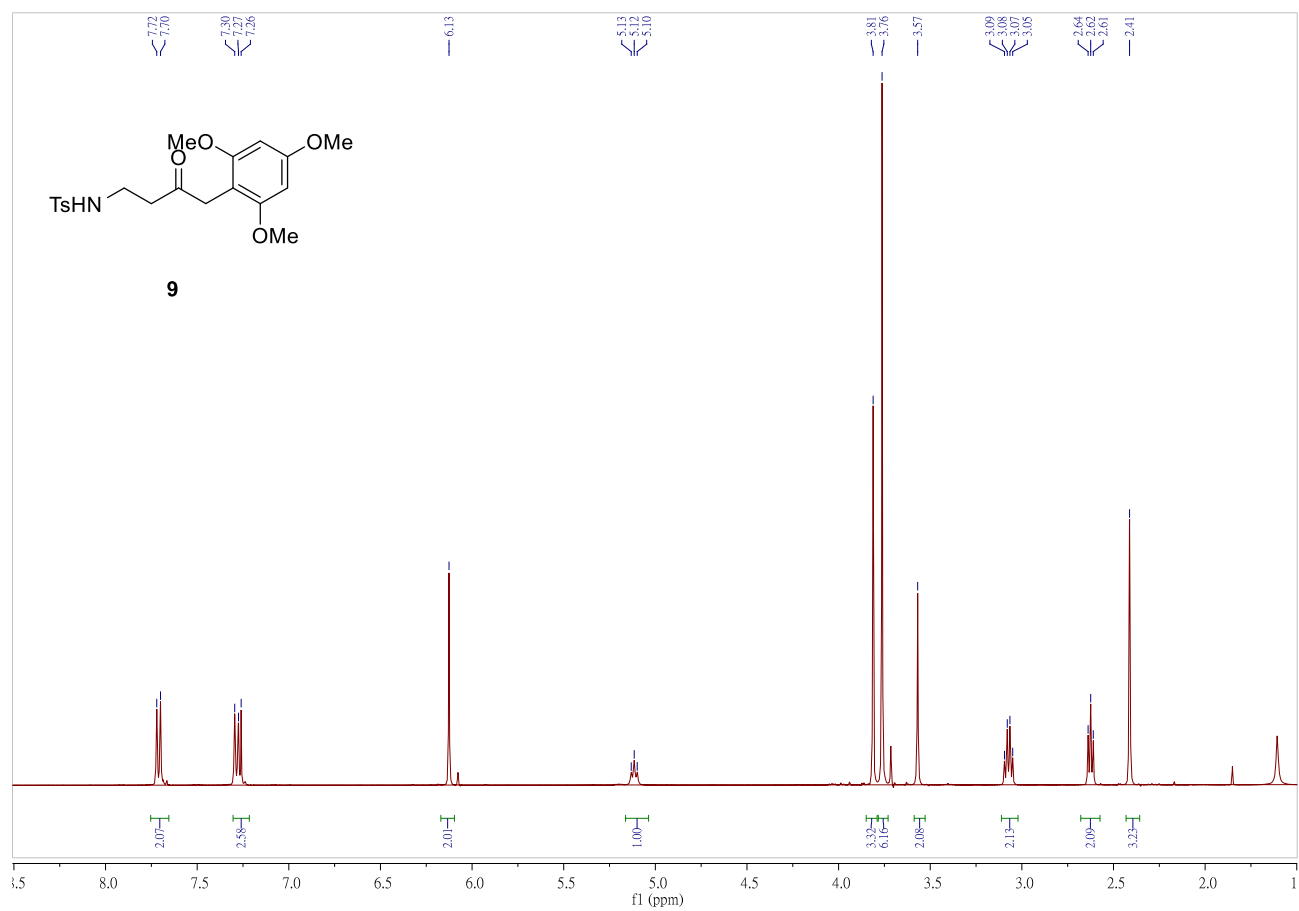


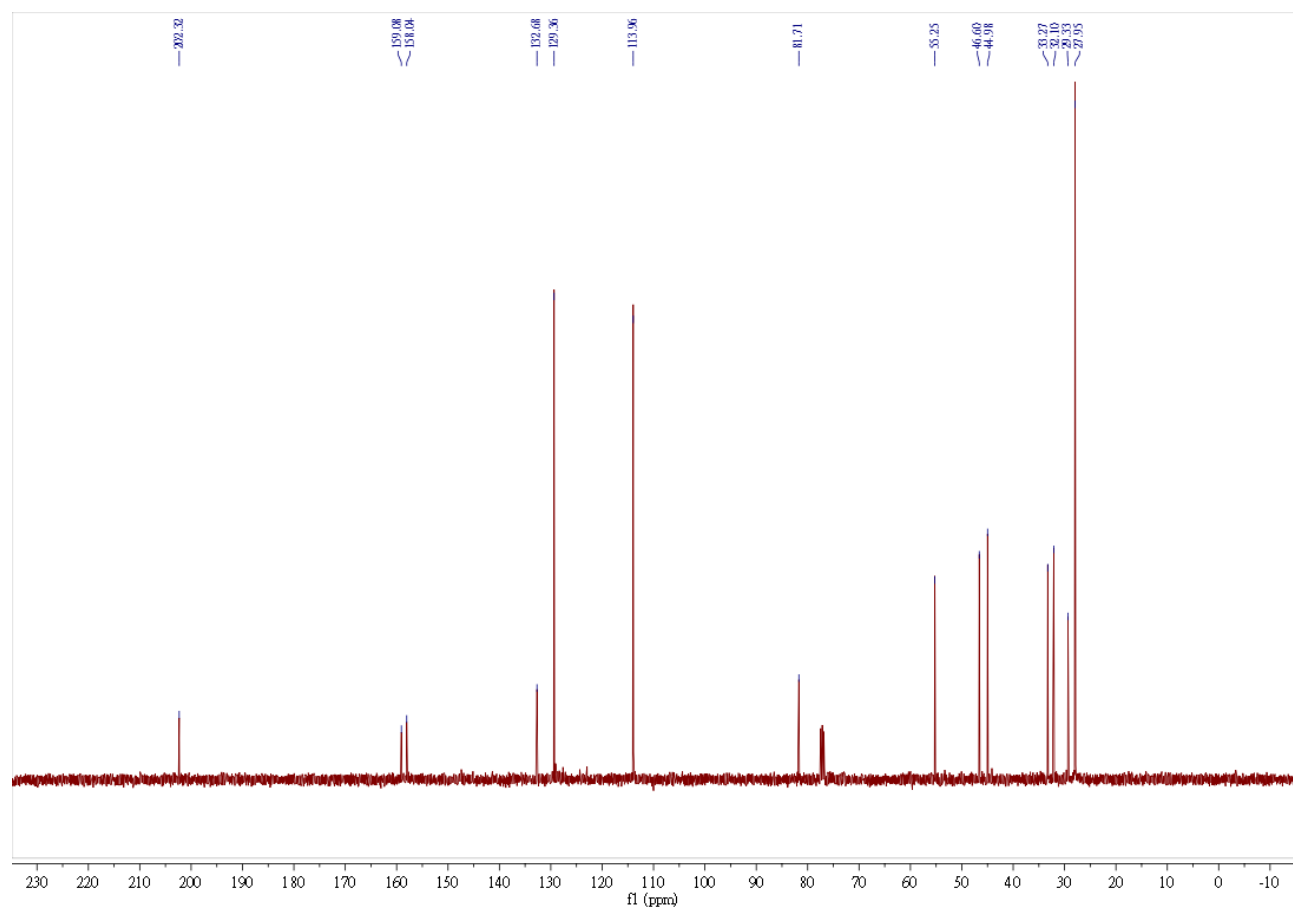
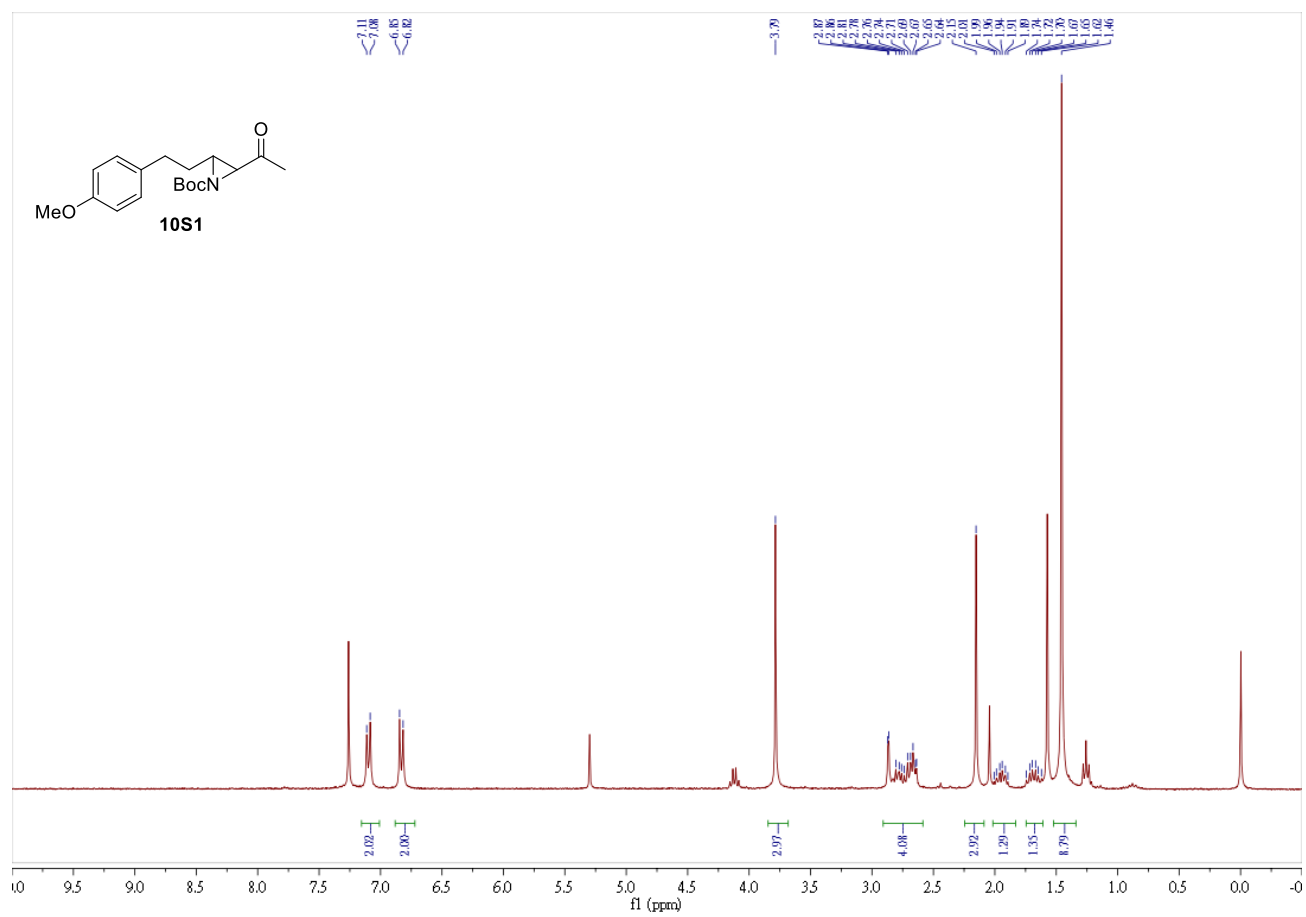


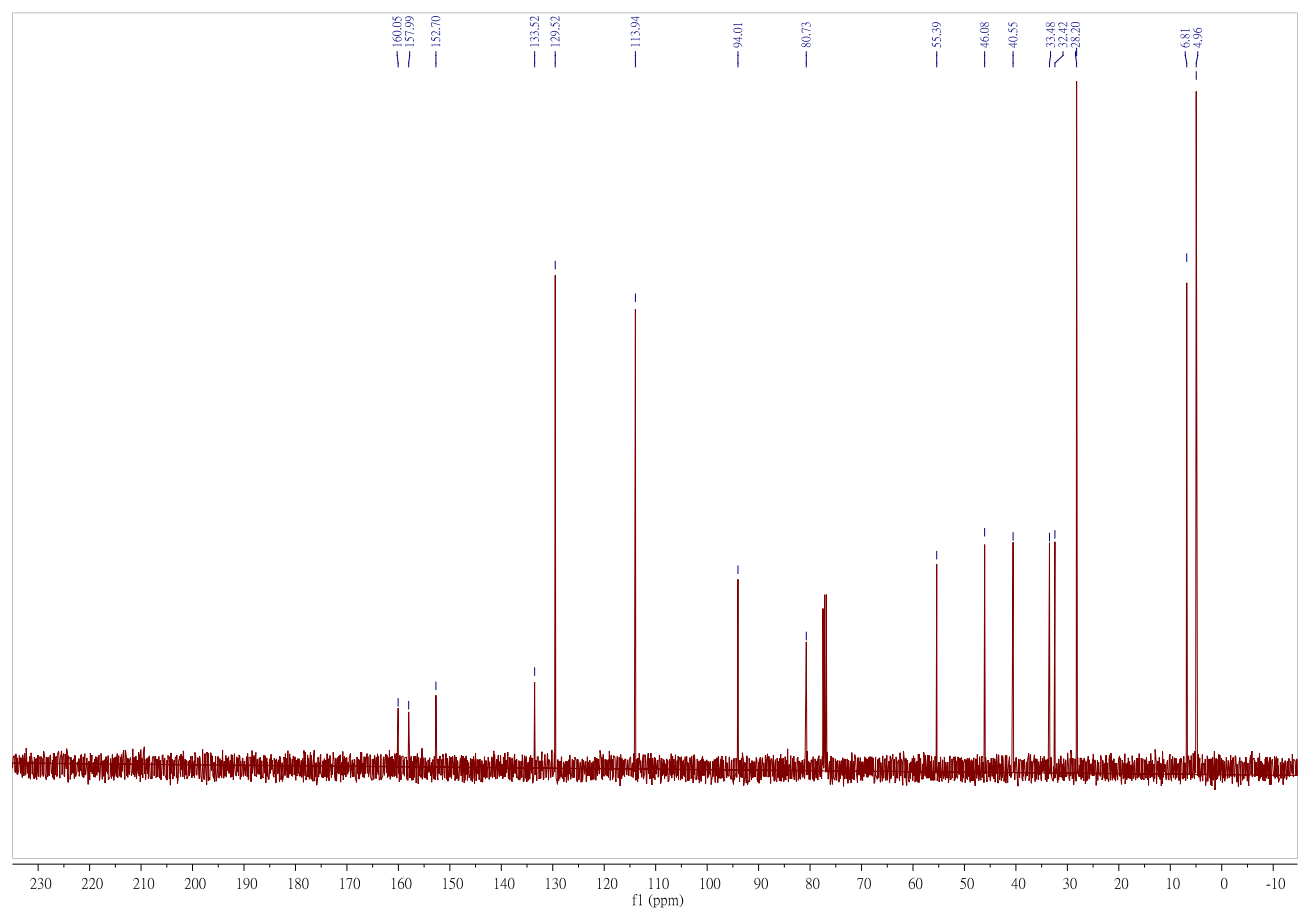
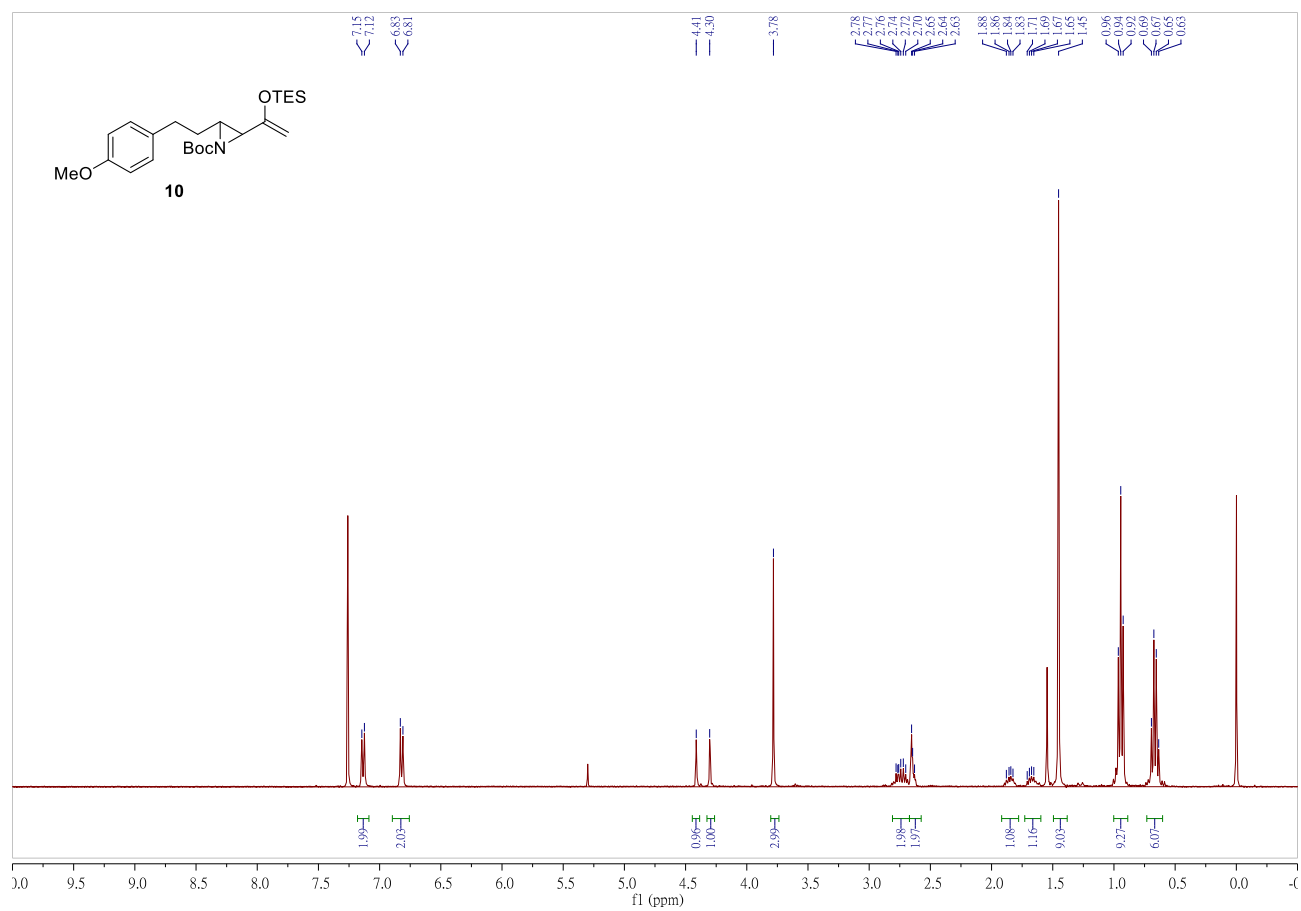


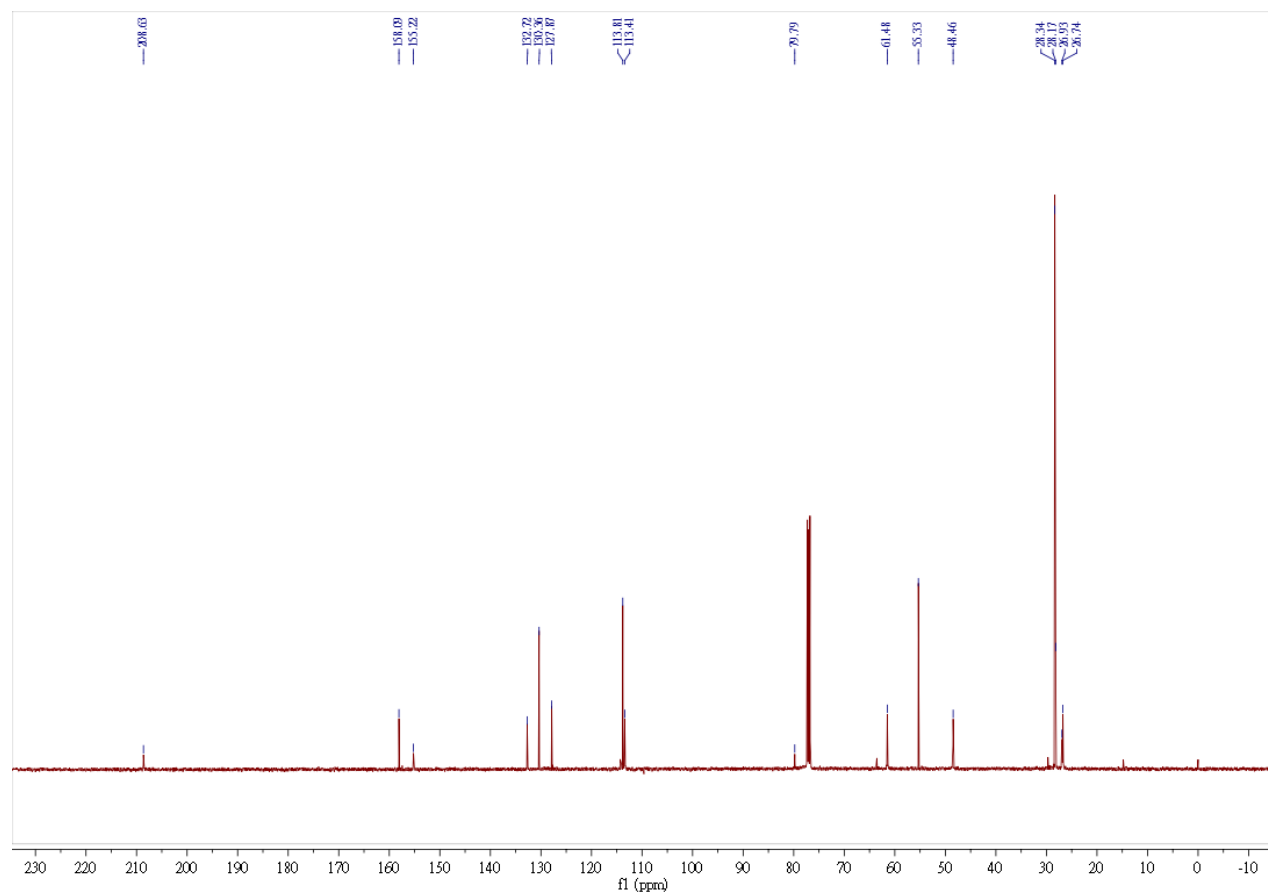
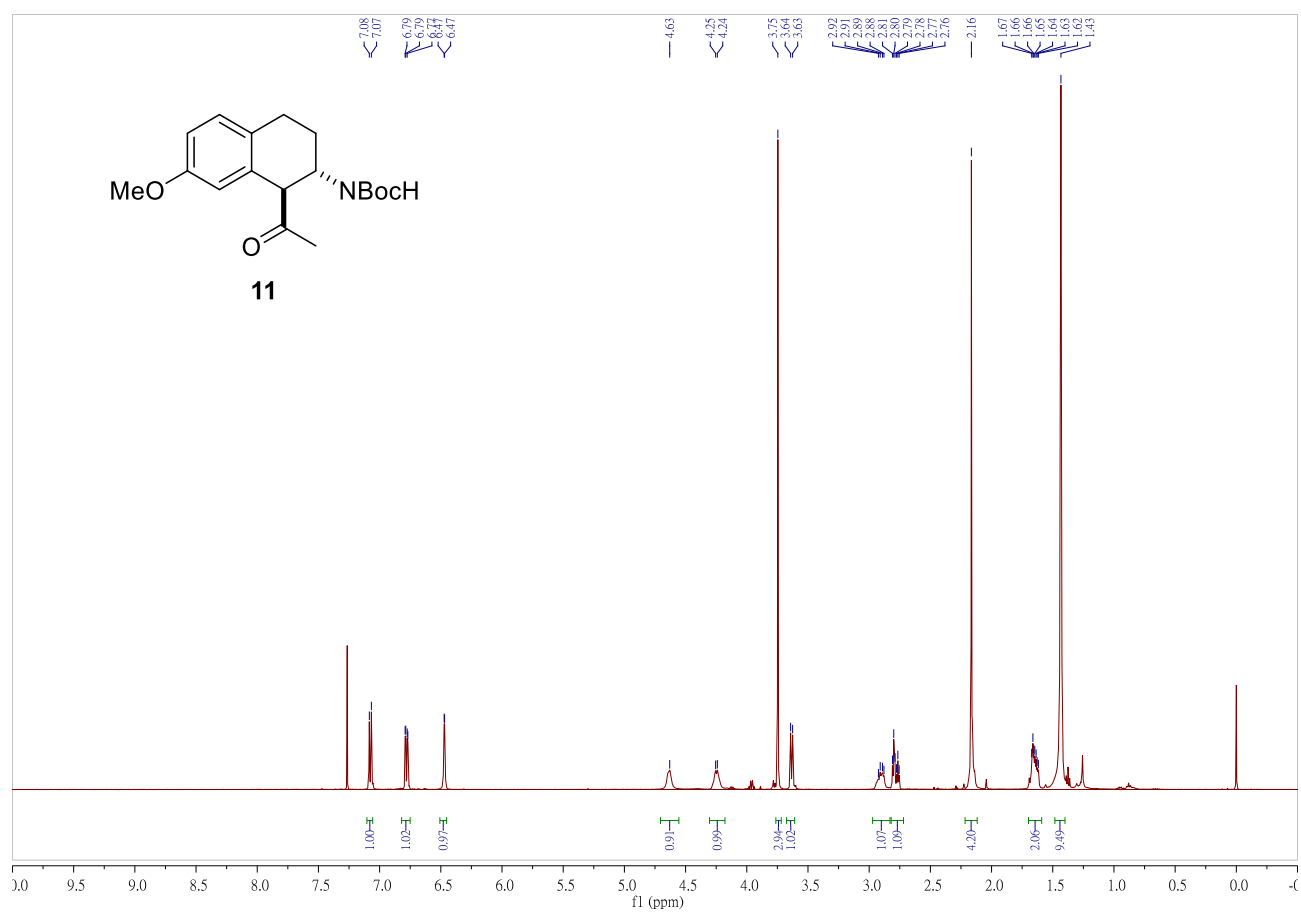


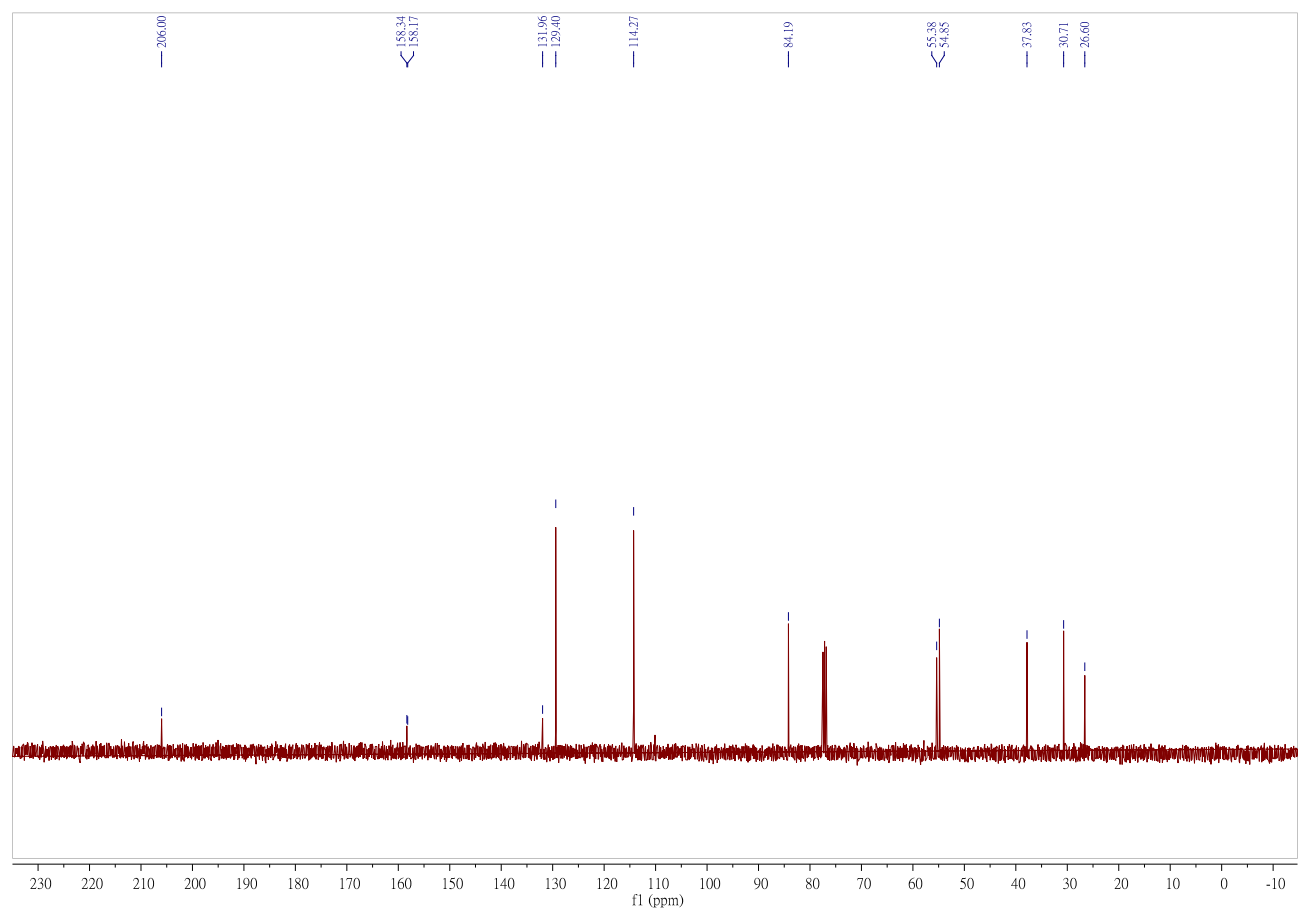
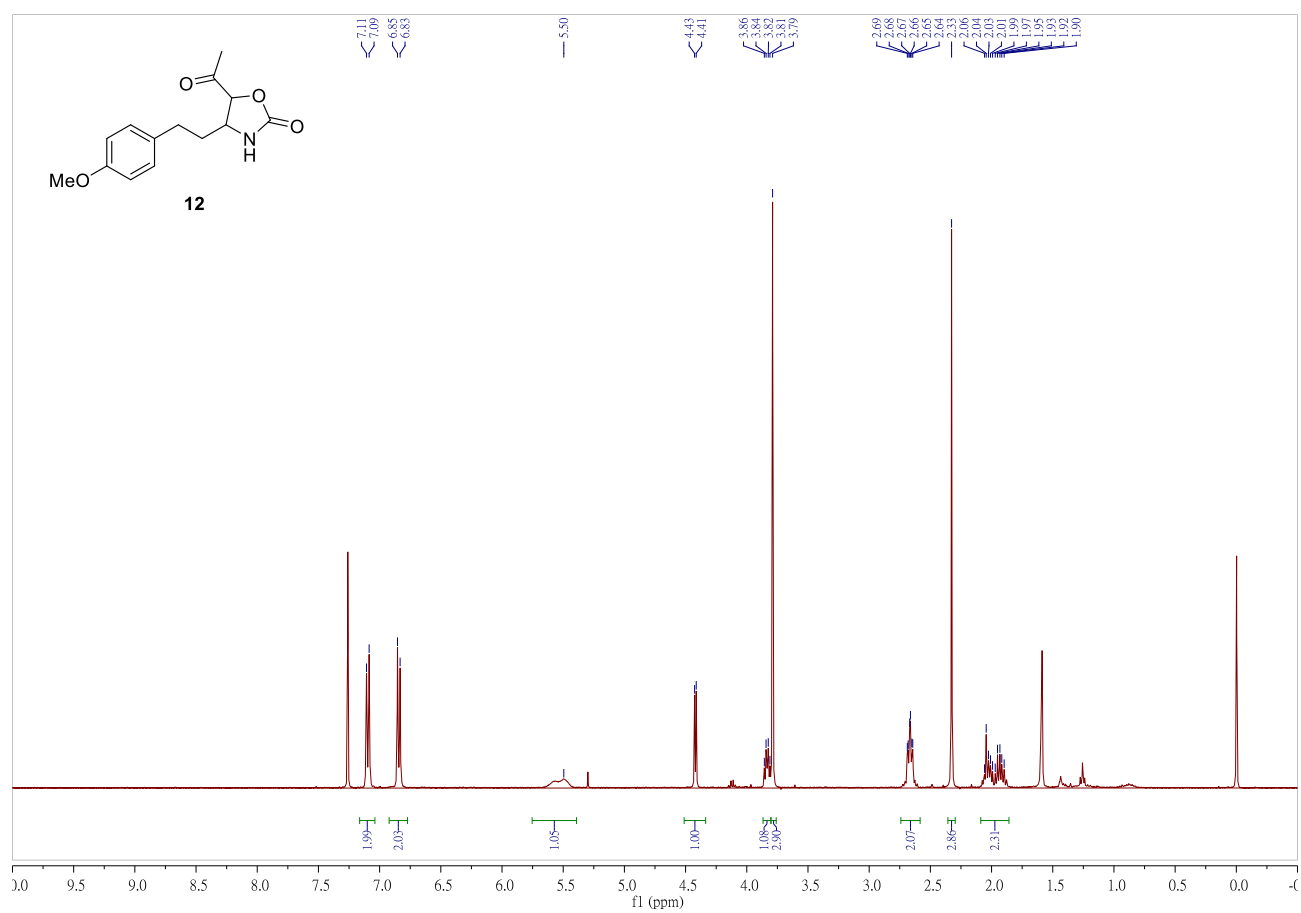


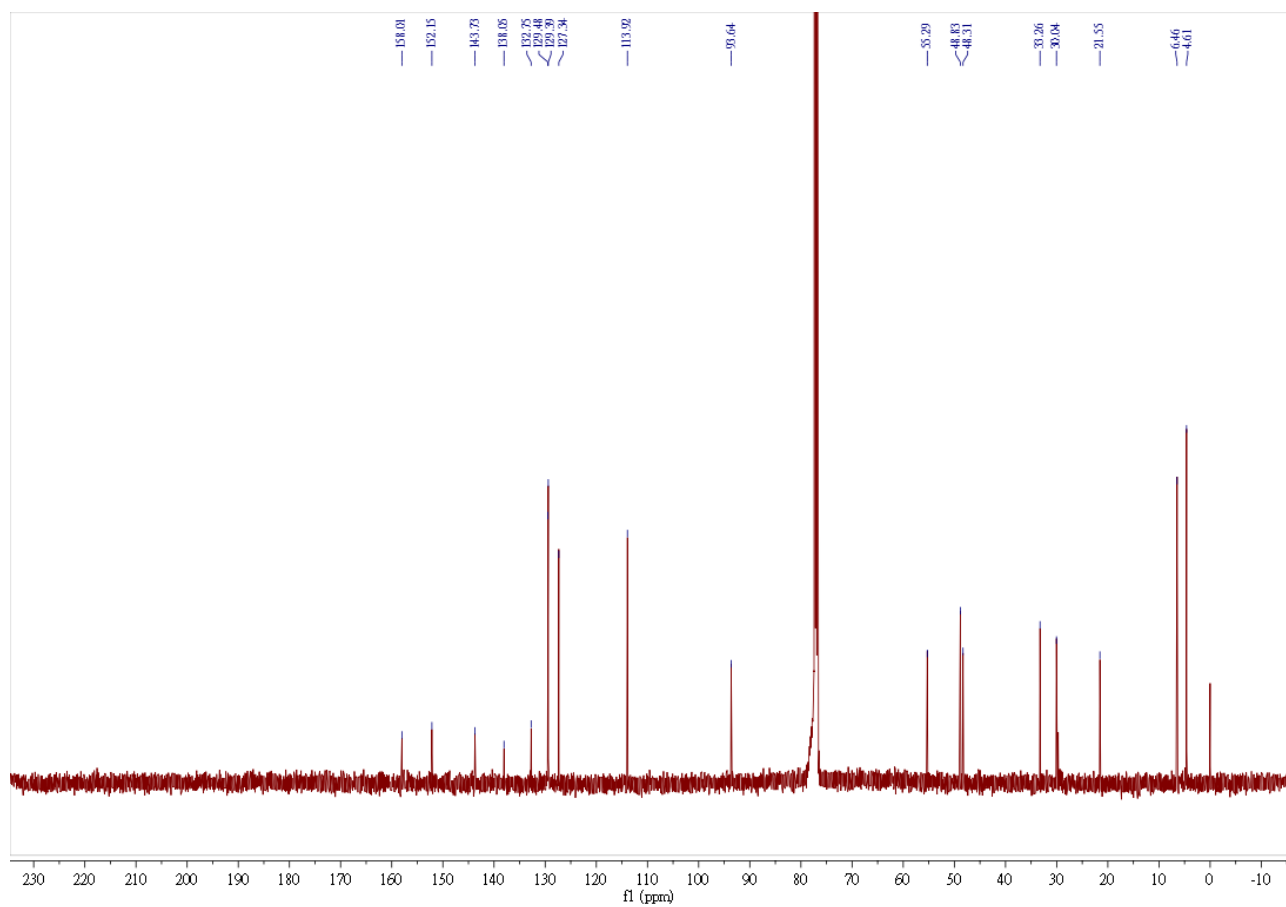
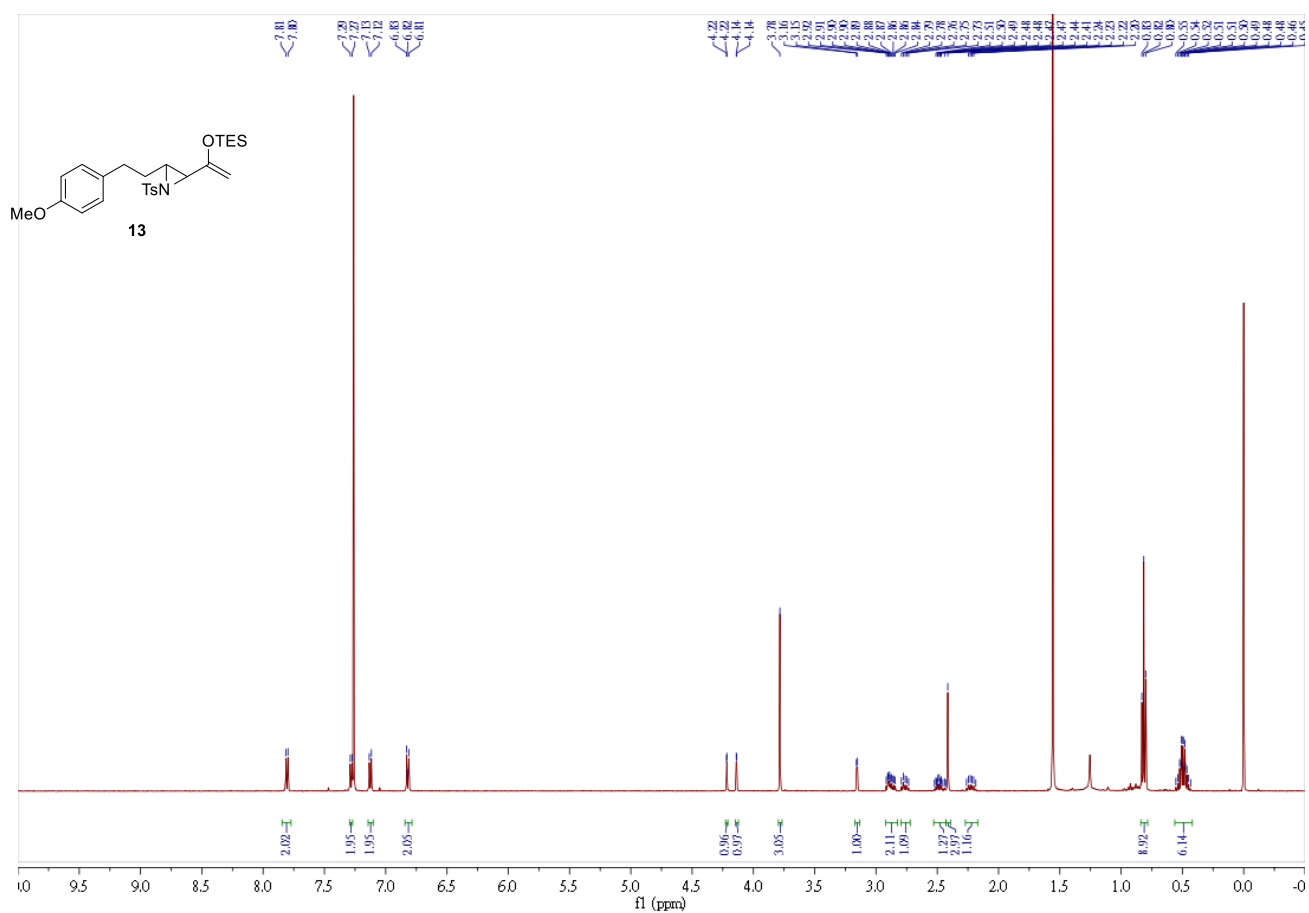


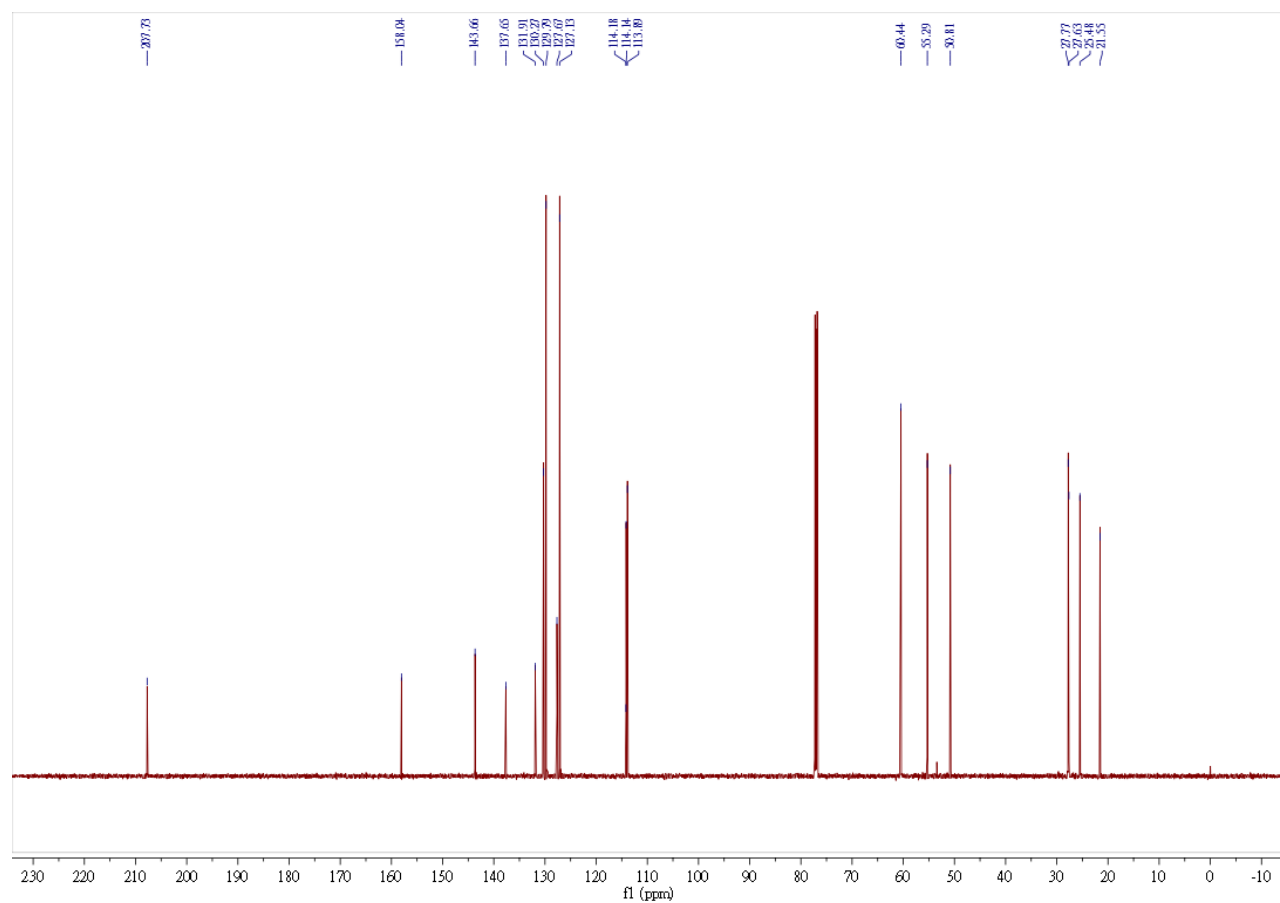
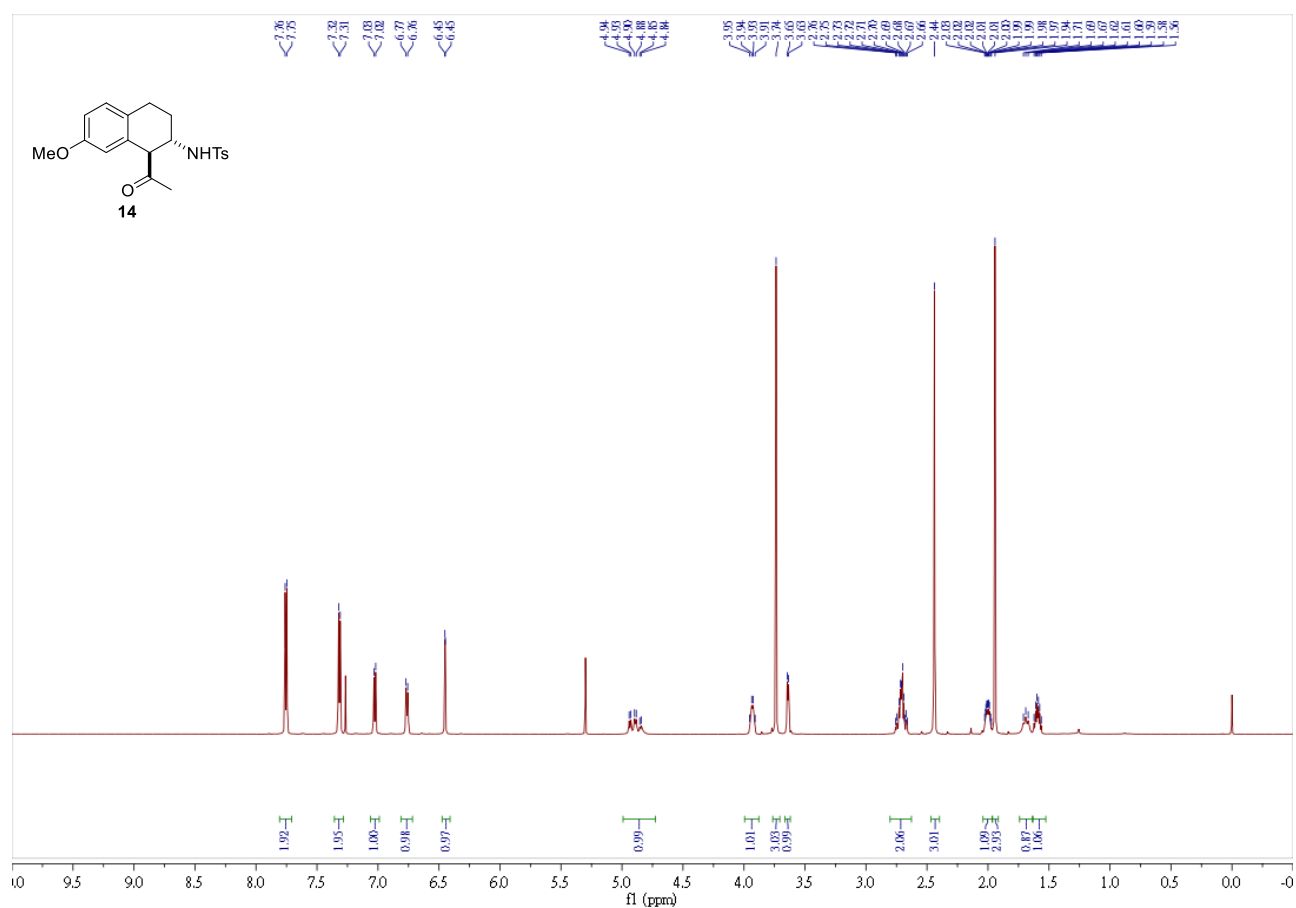




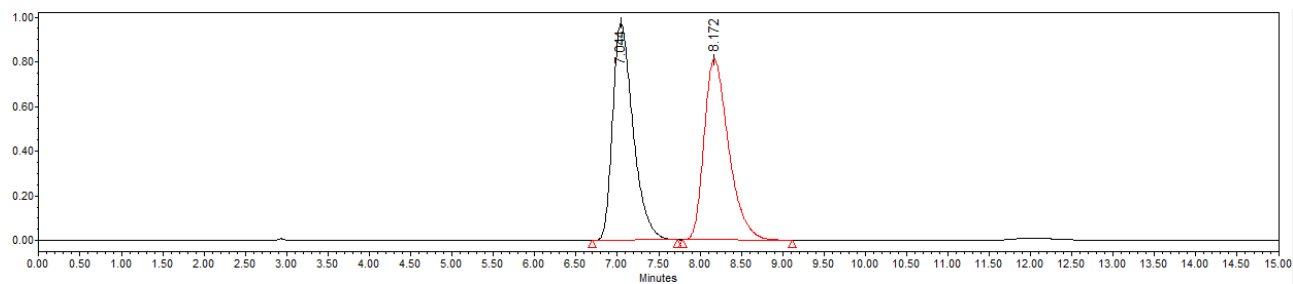




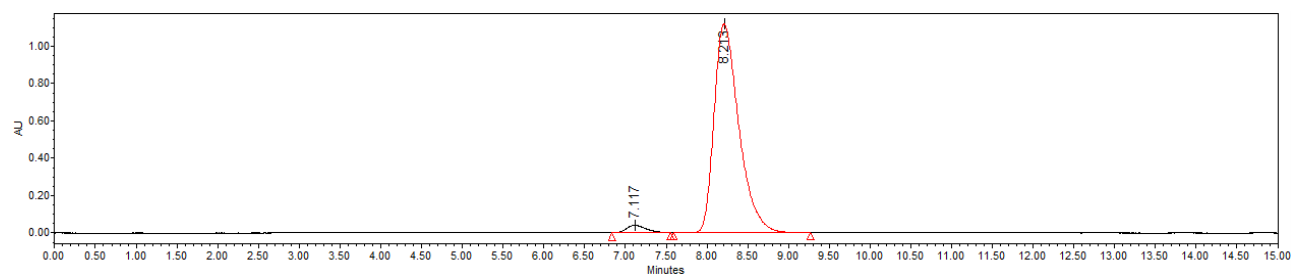




Sample	2a
Column	OD
Mobile phase	n-Hexane/2-Propanol = 80/20 (v/v)
Flow rate	1.0 mL/min
uDetection	UV 210 nm

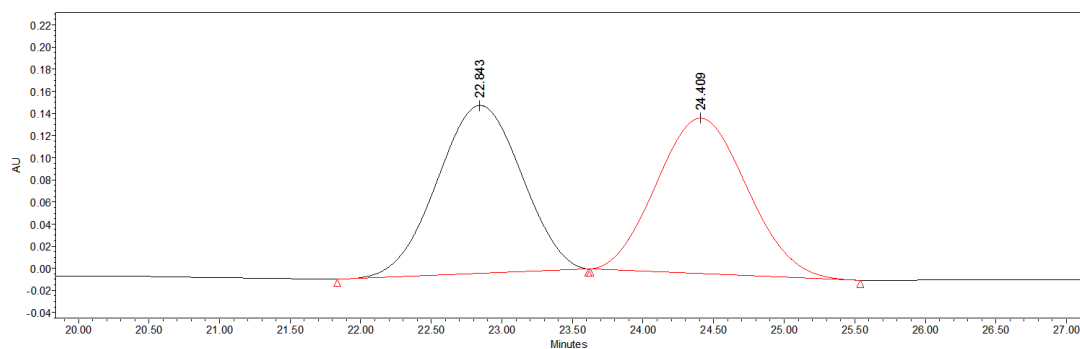


	Retention Time	Area	% Area	Height	Int Type
1	7.044	16753720	50.00	971287	bb
2	8.172	16754581	50.00	810103	bb

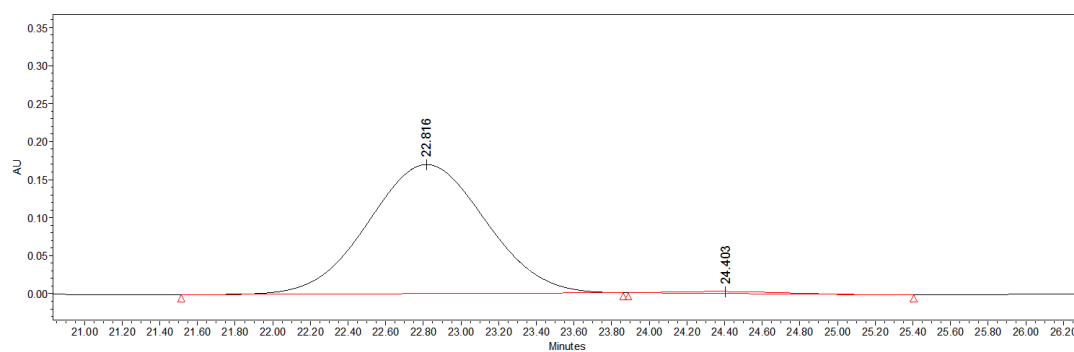


	Retention Time	Area	% Area	Height	Int Type
1	7.117	683842	2.81	40640	bb
2	8.213	23647327	97.19	1117478	bb

Sample	2d
Column	CHIRALCEL OF
Mobile phase	n-Hexane/2-Propanol = 80/20 (v/v)
Flow rate	0.5 mL/min
Detection	UV 210 nm

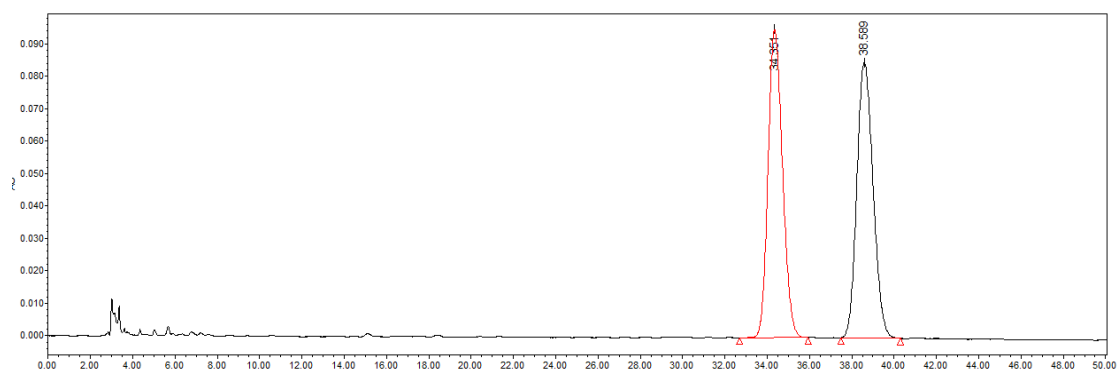


	Retention Time	Area	% Area	Height	Int Type
1	22.843	6298230	50.20	151734	bb
2	24.409	6248339	49.80	140377	bb

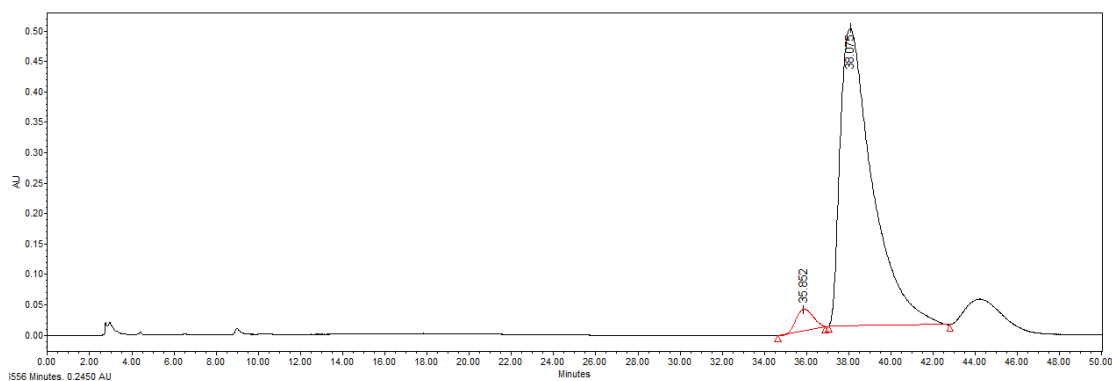


	Retention Time	Area	% Area	Height	Int Type
1	22.816	7355110	98.61	169729	bb
2	24.403	103892	1.39	2615	bb

Sample	2e
Column	CHIRALPAK IC-3
Mobile phase	n-Hexane/2-Propanol = 85/15 (v/v)
Flow rate	1.0 mL/min
Detection	UV 210 nm

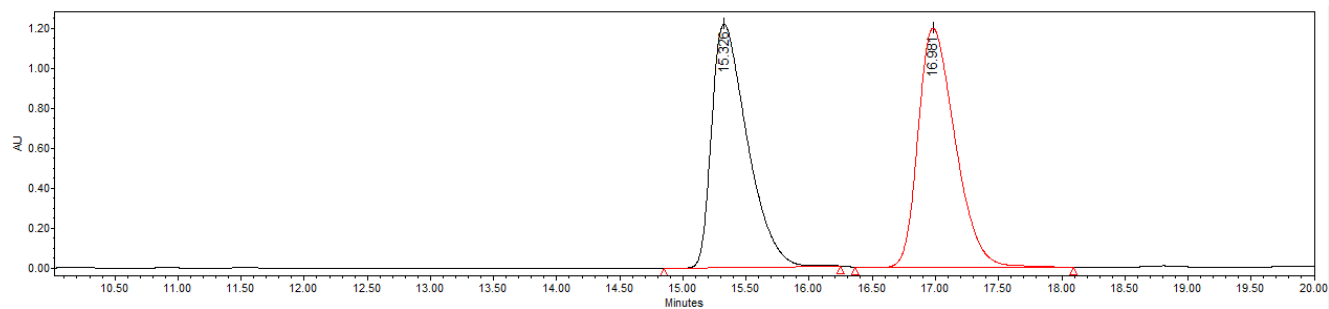


	Retention Time	Area	% Area	Height	Int Type
1	34.355	9763294	49.94	205076	bb
2	38.592	9786310	50.06	183736	bb

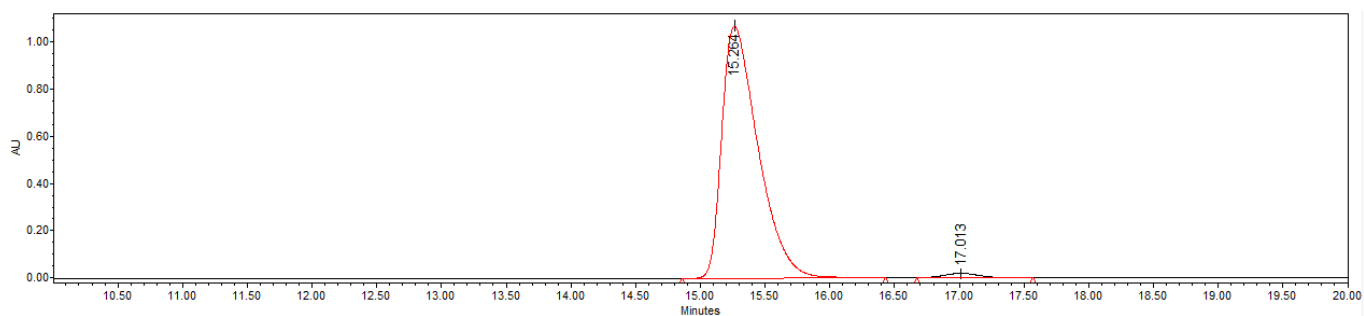


	Retention Time	Area	% Area	Height	Int Type
1	35.852	1959120	3.62	35417	bb
2	38.075	52138874	96.38	488712	bb

Sample	2f
Column	CHIRALPAK OD-3
Mobile phase	n-Hexane/2-Propanol = 98/2 (v/v)
Flow rate	1.0 mL/min
Detection	UV 210 nm

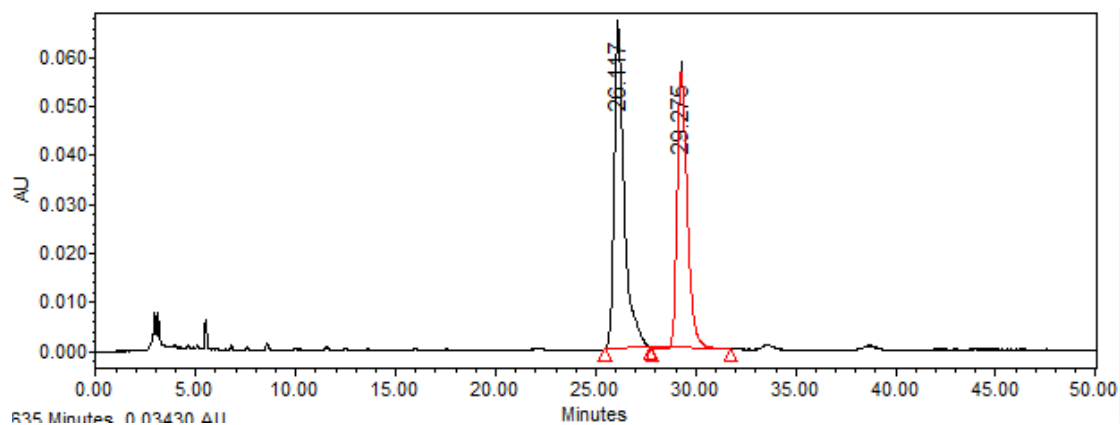


	Retention Time	Area	% Area	Height	Int Type
1	15.326	23819254	49.34	1218587	bb
2	16.981	24456754	50.66	1197338	bb

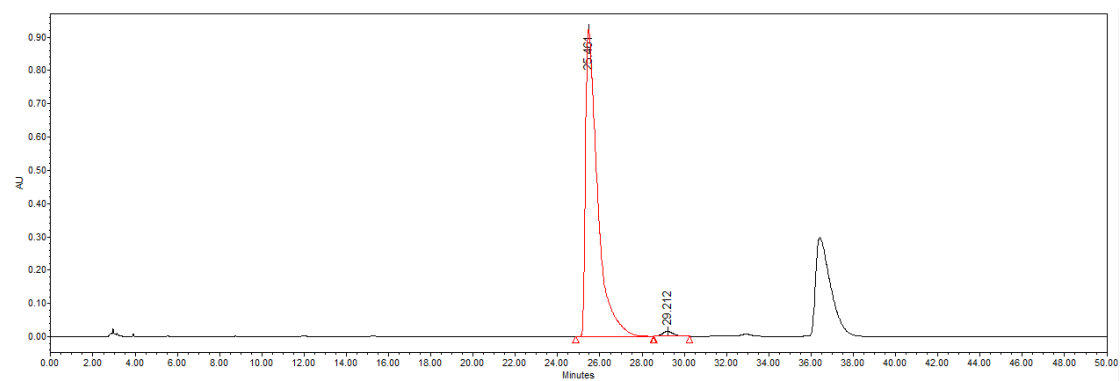


	Retention Time	Area	% Area	Height	Int Type
1	15.264	20790997	98.34	1068696	bb
2	17.013	351722	1.66	19191	bb

Sample	2g
Column	CHIRALPAK OD-3
Mobile phase	n-Hexane/2-Propanol = 99/1 (v/v)
Flow rate	1.0 mL/min
Detection	UV 210 nm

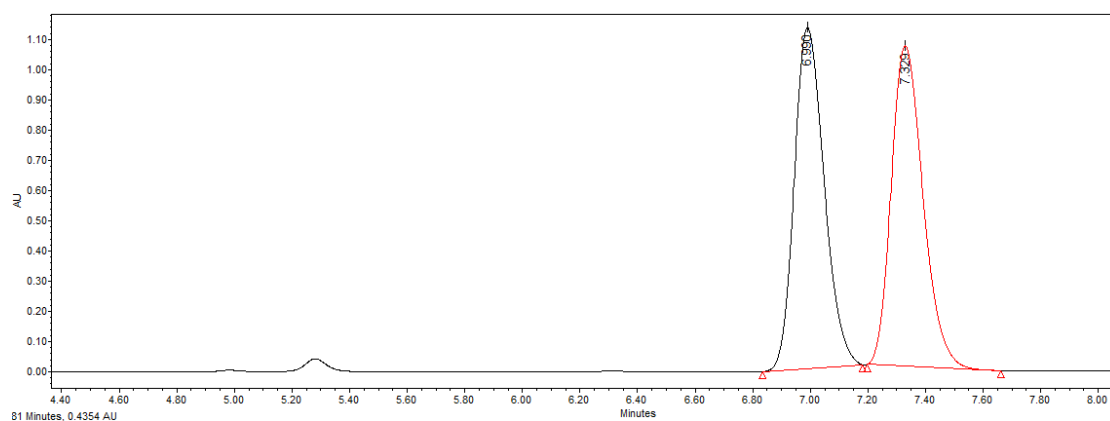


	Retention Time	Area	% Area	Height	Int Type
1	26.117	2305793	53.39	65268	bb
2	29.275	2012635	46.61	56451	bb

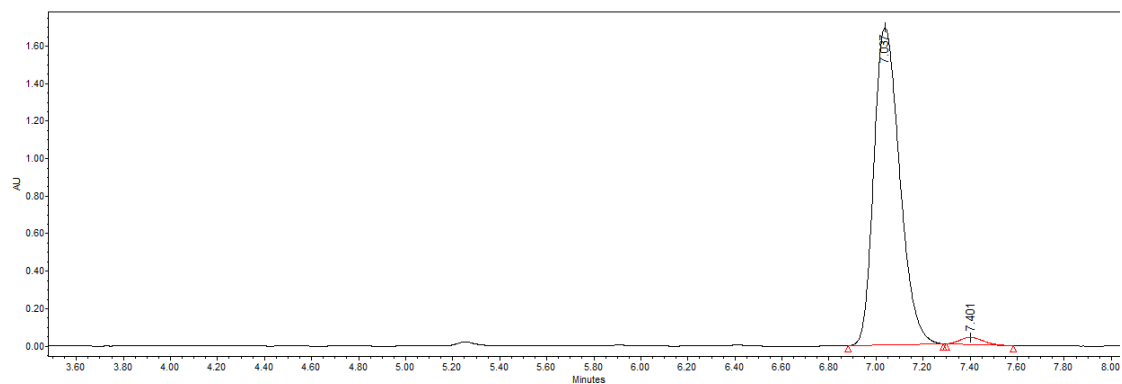


	Retention Time	Area	% Area	Height	Int Type
1	25.461	36677354	98.59	923749	bb
2	29.212	523965	1.41	14826	bb

Sample	4cS2
Column	CHIRALPAK OD-3
Mobile phase	n-Hexane/2-Propanol = 90/10 (v/v)
Flow rate	1.0 mL/min
Detection	UV 210 nm

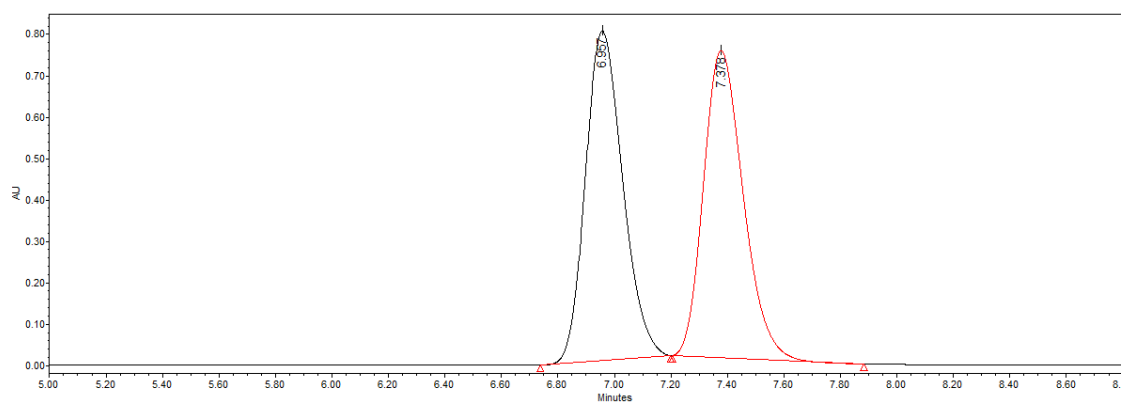


	Retention Time	Area	% Area	Height	Int Type
1	6.990	8131596	50.04	1128510	bb
2	7.329	8119037	49.96	1059845	bb

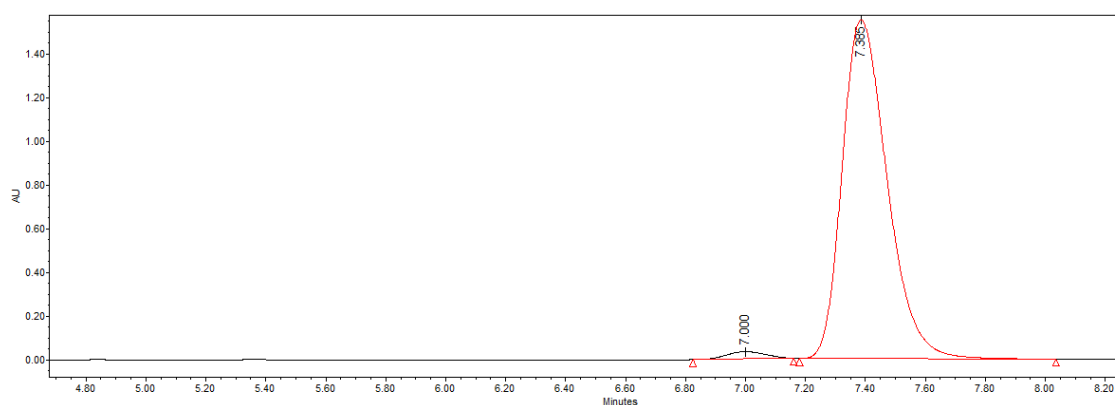


	Retention Time	Area	% Area	Height	Int Type
1	7.037	12934658	98.04	1690350	bb
2	7.401	258630	1.96	38099	bb

Sample	5c
Column	CHIRALPAK OD-3
Mobile phase	n-Hexane/2-Propanol = 90/10 (v/v)
Flow rate	1.0 mL/min
Detection	UV 210 nm

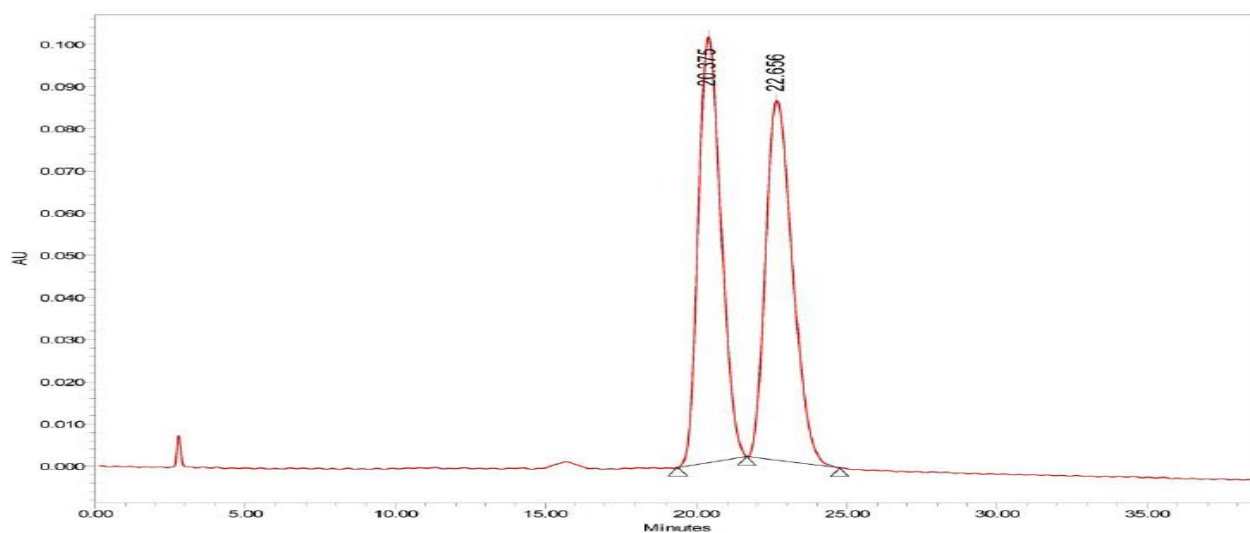


	Retention Time	Area	% Area	Height	Int Type
1	6.957	7254652	49.98	796263	bb
2	7.378	7259753	50.02	742108	bb

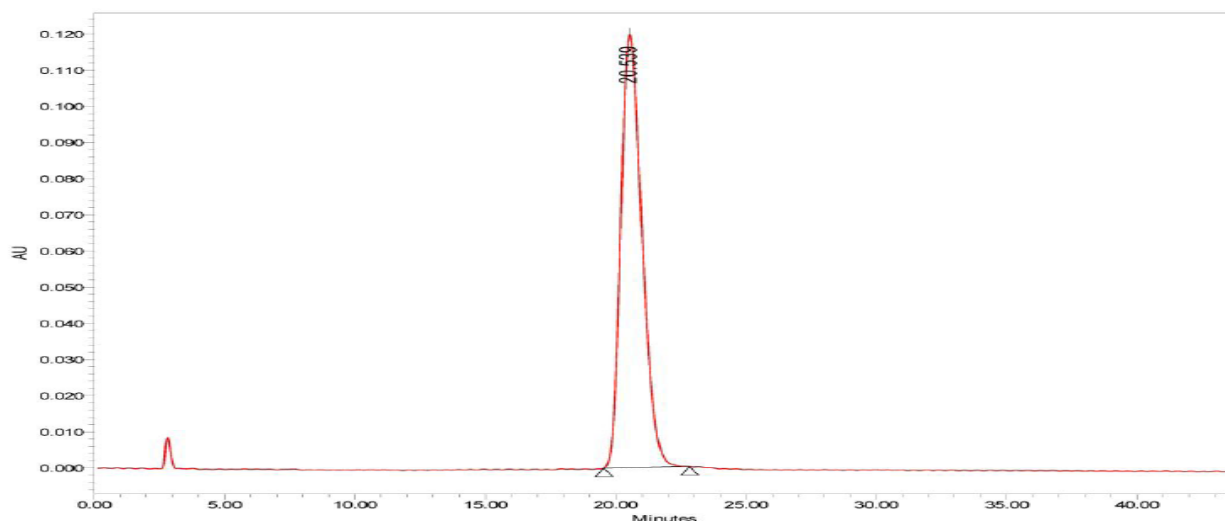


	Retention Time	Area	% Area	Height	Int Type
1	7.000	306328	1.86	33923	bb
2	7.385	16194358	98.14	1553415	bb

Sample	7
Column	CHIRALPAK OF
Mobile phase	n-Hexane/2-Propanol = 60/40 (v/v)
Flow rate	1.0 mL/min
Detection	UV 210 nm

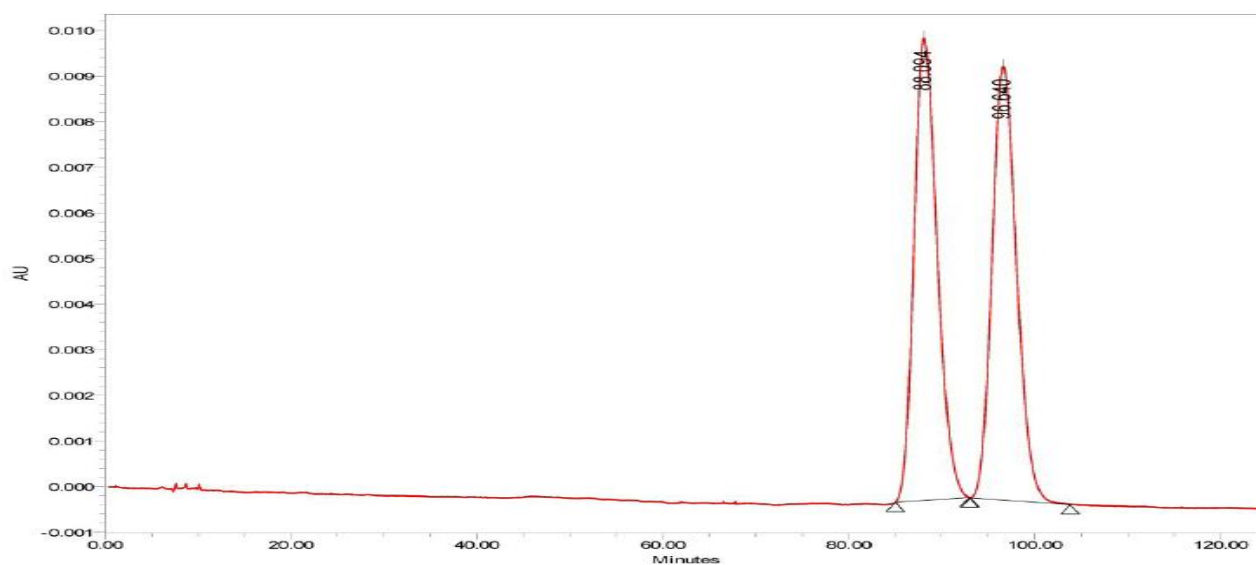


	Retention Time	Area	% Area	Height
1	20.375	5312432	50.00	100988
2	22.656	5311974	50.00	85276

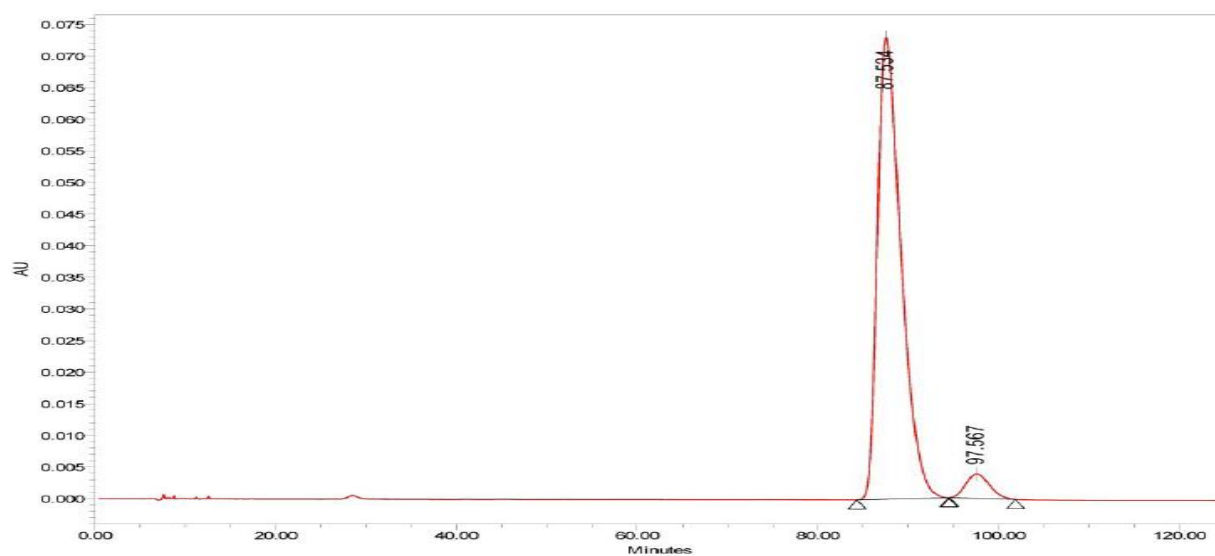


	Retention Time	Area	% Area	Height
1	20.539	6734253	100.00	119722

Sample	8
Column	CHIRALPAK IC-3
Mobile phase	n-Hexane/2-Propanol = 40/60 (v/v)
Flow rate	0.4 mL/min
Detection	UV 210 nm



	Retention Time	Area	% Area	Height
1	88.094	1752487	50.14	10137
2	96.640	1742585	49.86	9508



	Retention Time	Area	% Area	Height
1	87.534	13255093	95.02	72967
2	97.567	694306	4.98	3835