

Supporting Information

Base-Controlled Selective Conversion of the Michael Adducts in the Presence of Iodine

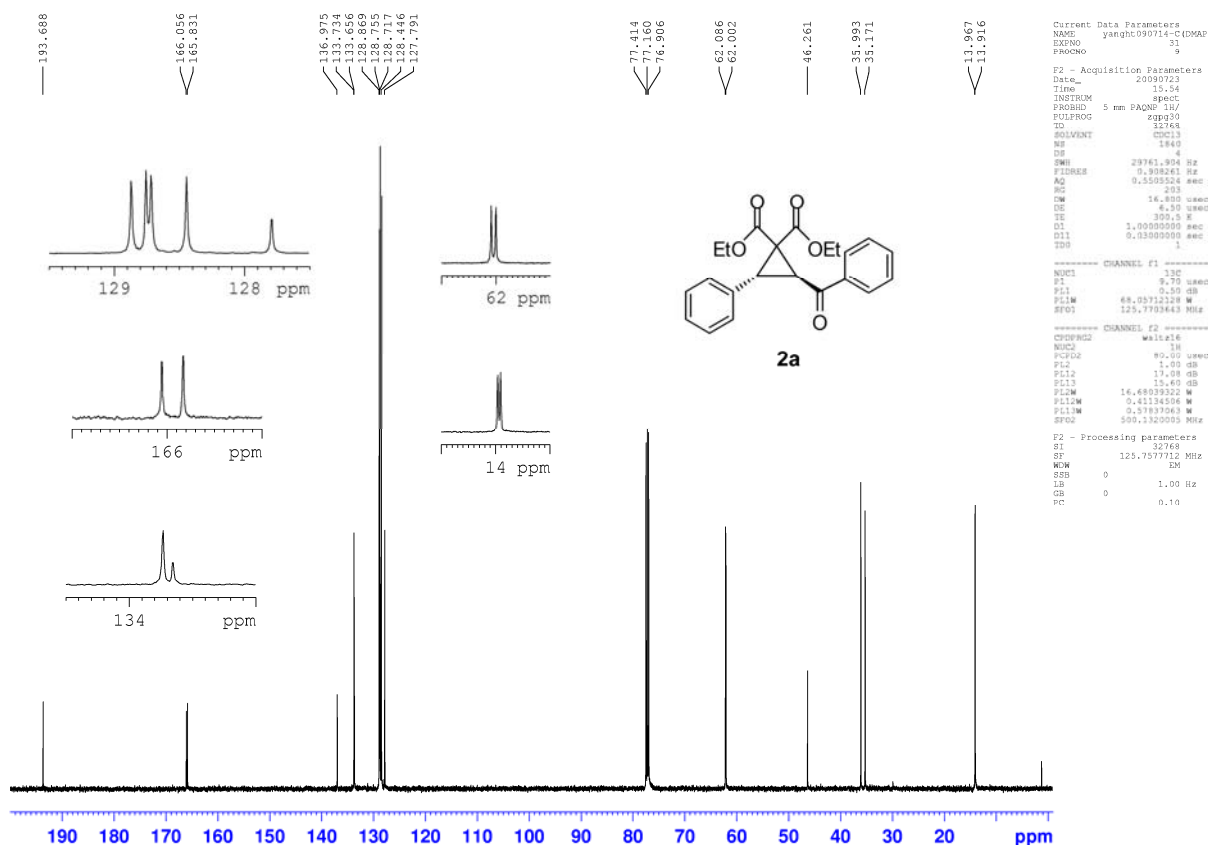
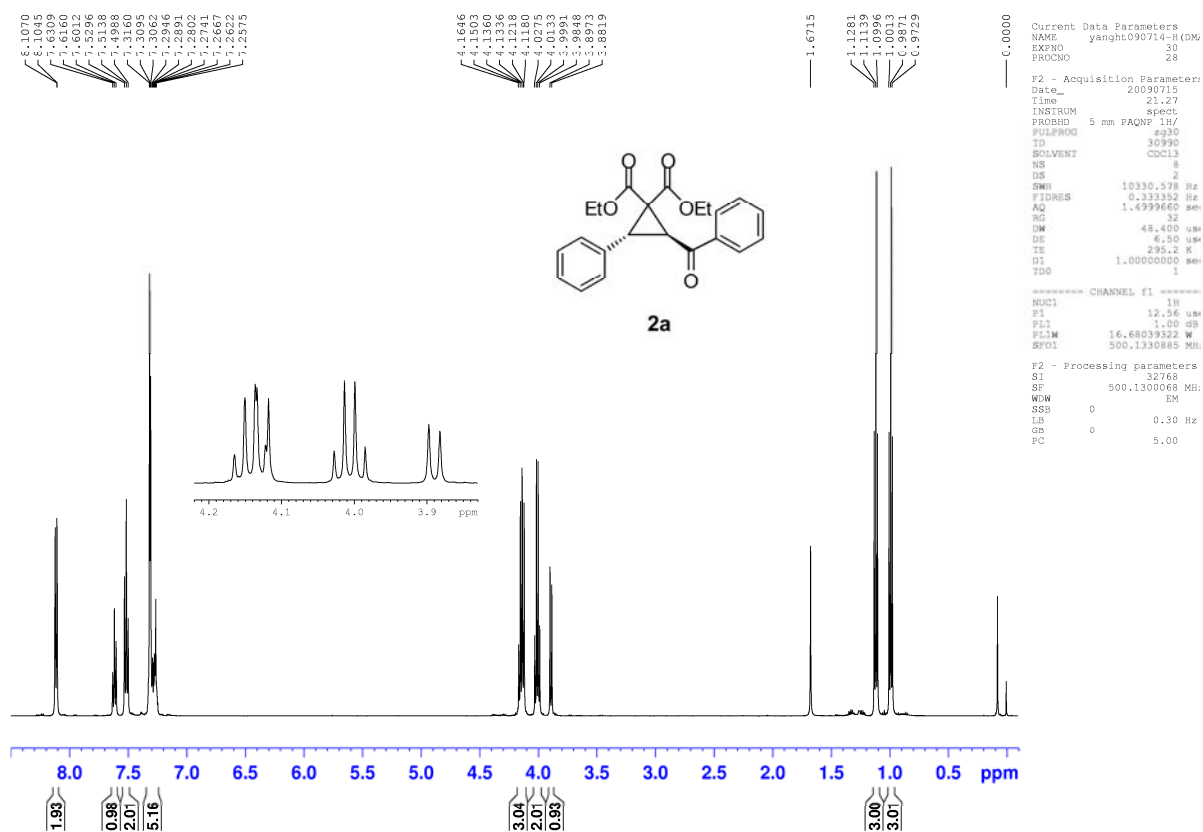
Chun-Bao Miao,^{*} Min Zhang, Zong-Yong Tian, Hai-Tao Xi, Xiao-Qiang Sun, Hai-Tao Yang^{*}

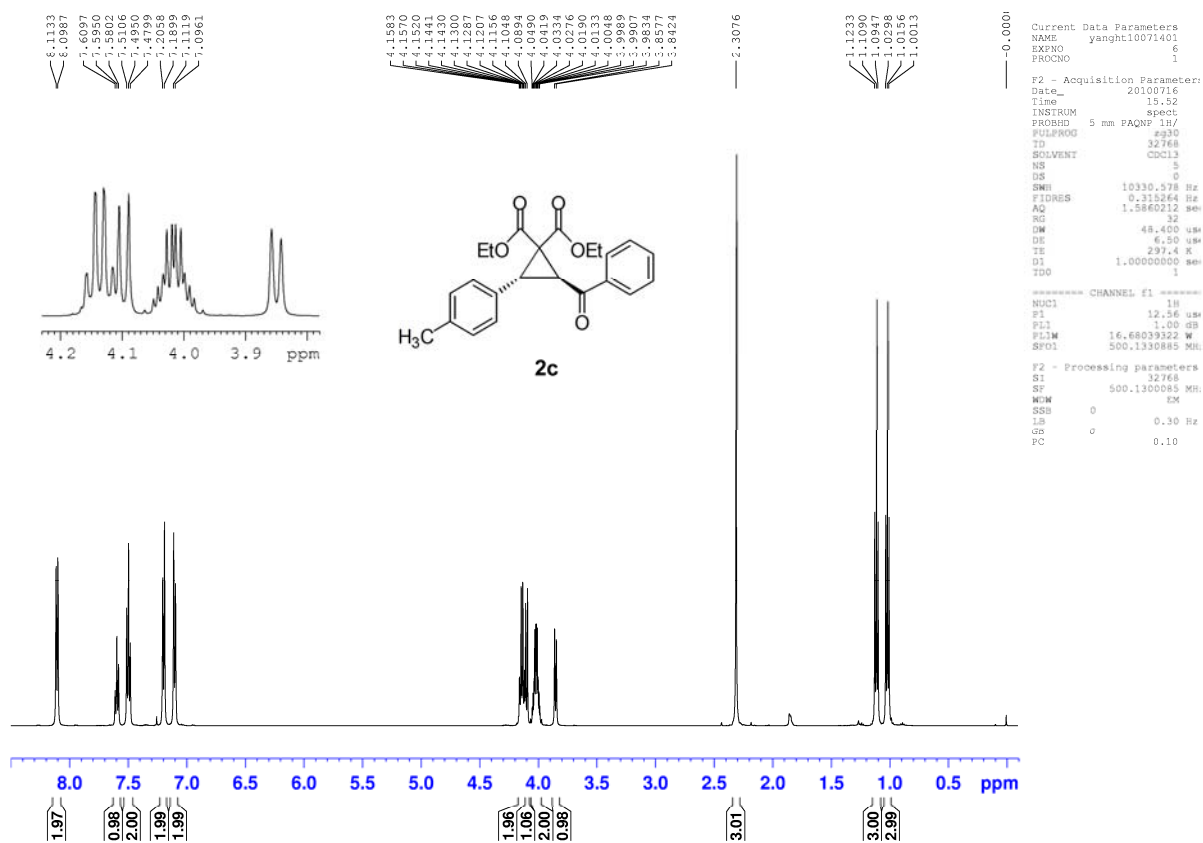
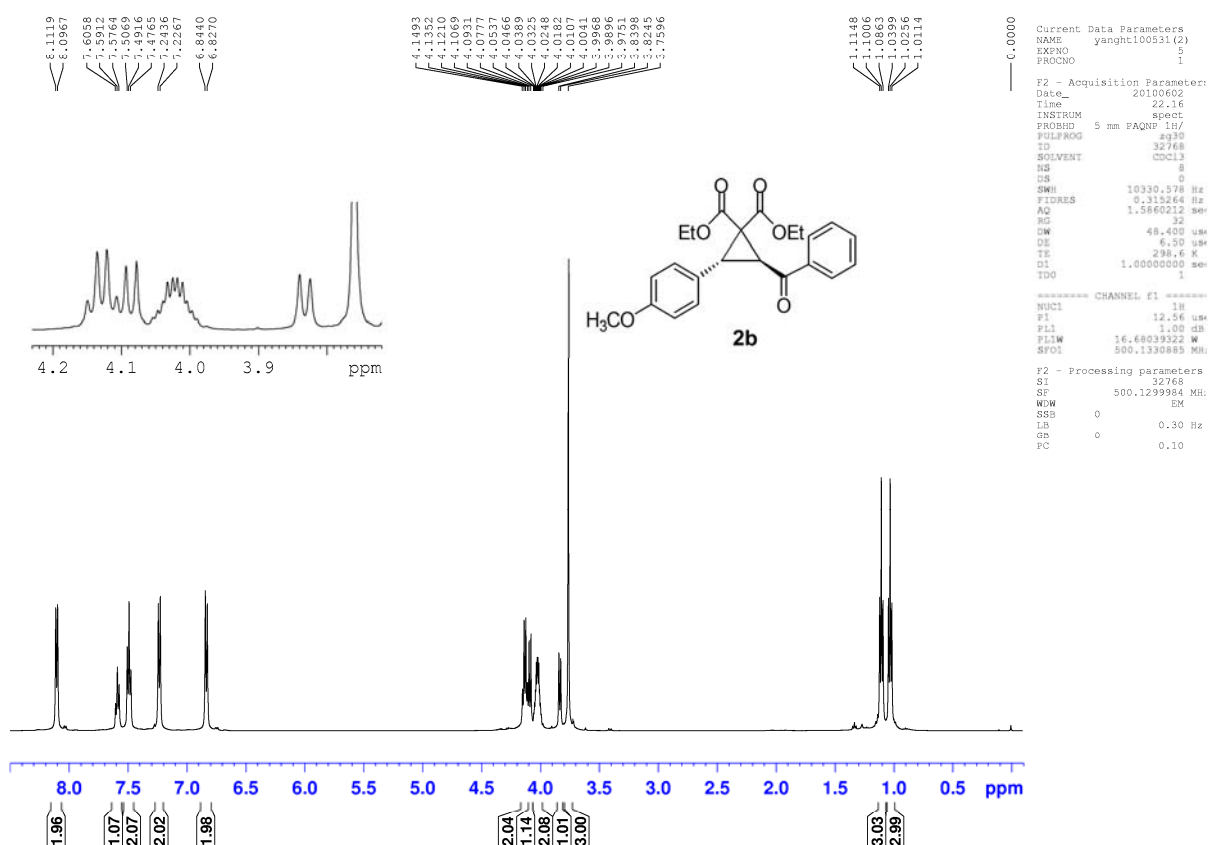
School of Petrochemical Engineering, Changzhou University, Changzhou 213164, PR China

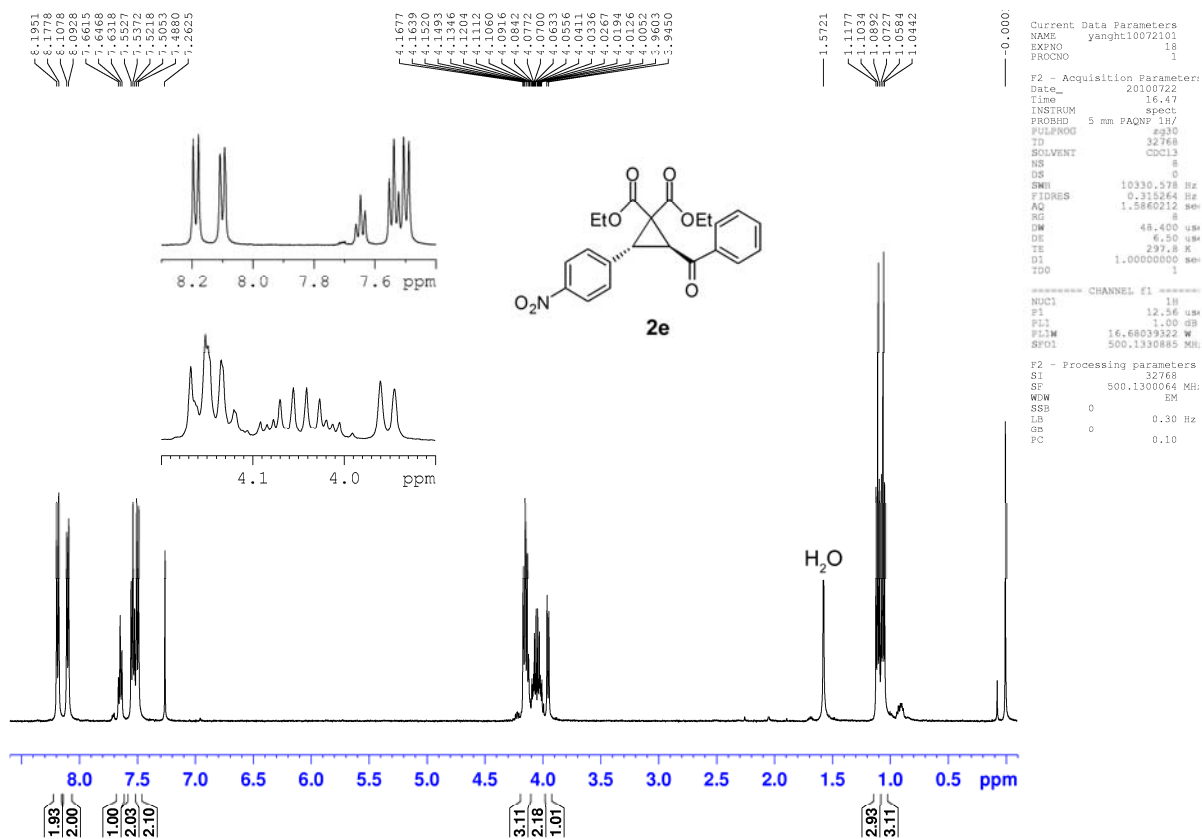
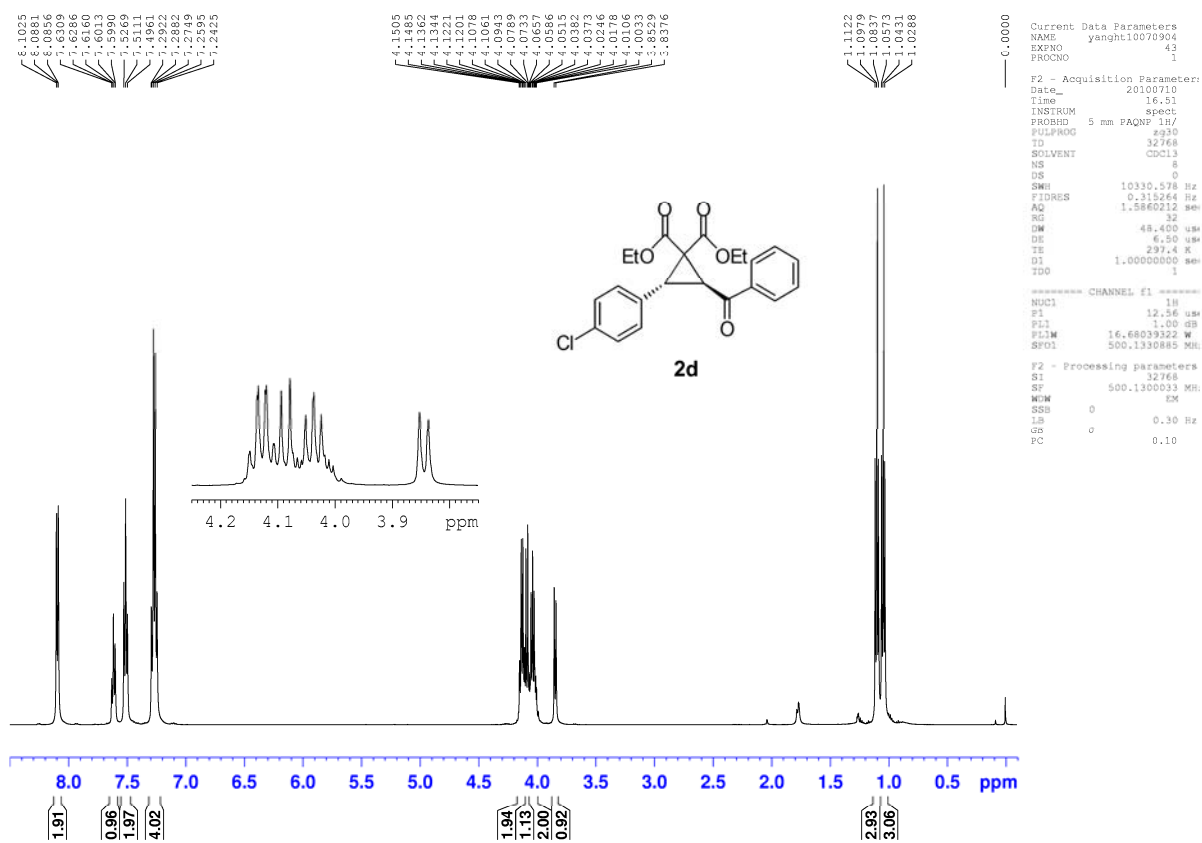
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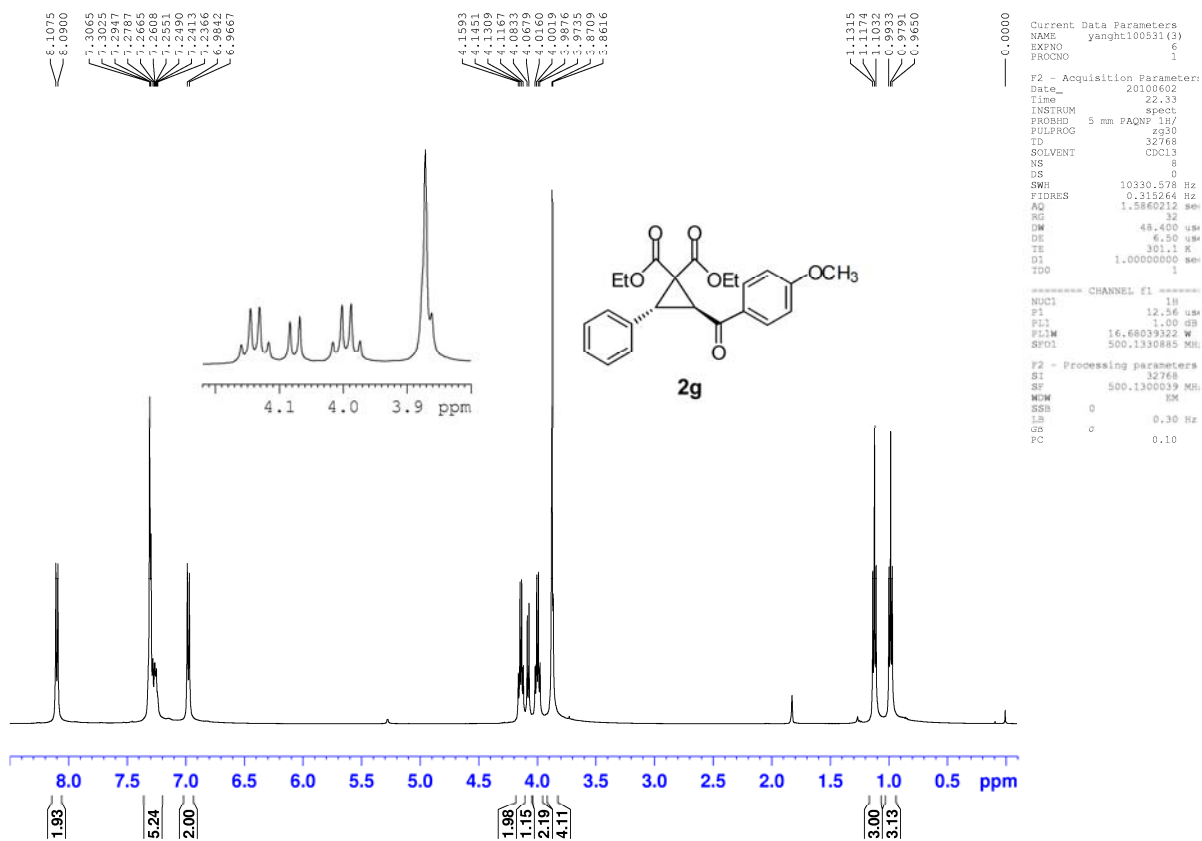
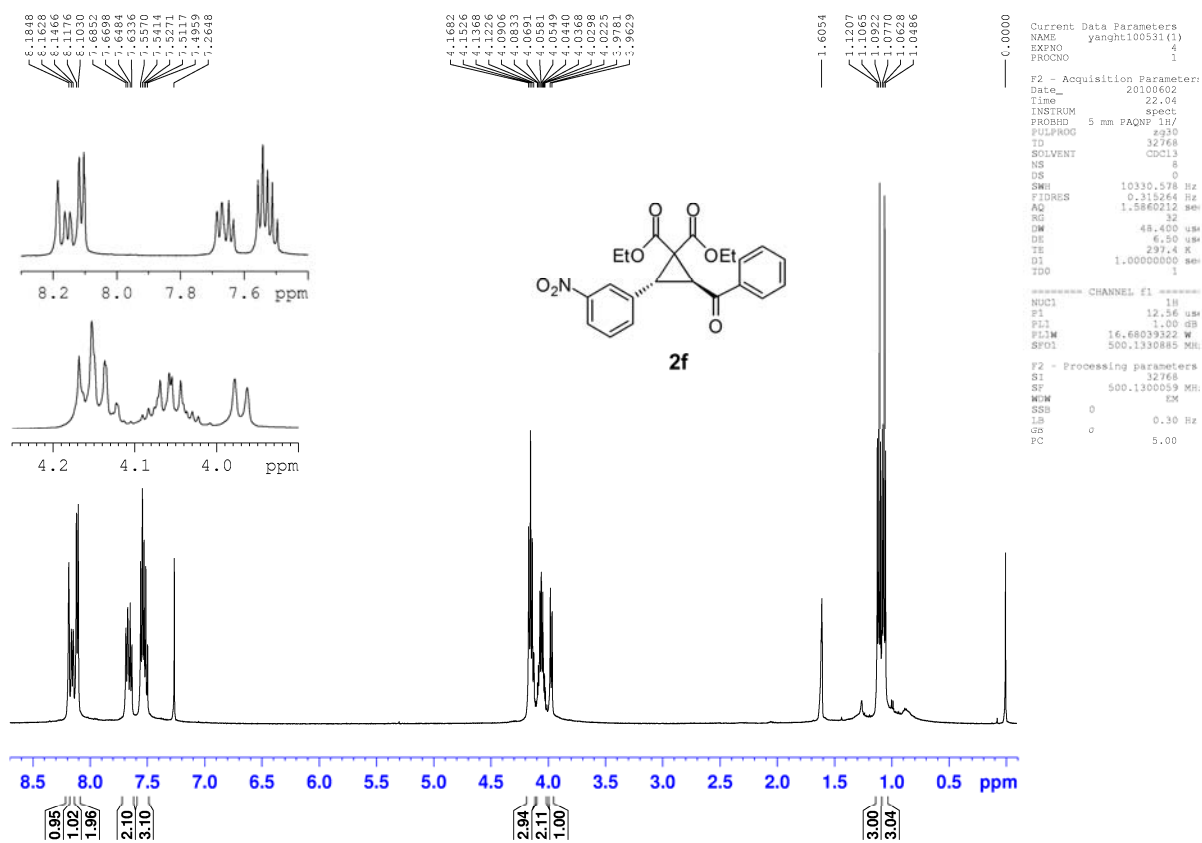
General Method	S2
¹H NMR, ¹³C NMR spectra of products	S3-S37
¹ H NMR and ¹³ C NMR spectra of 2a	S3
¹ H NMR spectra of 2b and 2c	S4
¹ H NMR spectra of 2d and 2e	S5
¹ H NMR spectra of 2f and 2g	S6
¹ H NMR spectra of 2h and 2i	S7
¹ H NMR spectra of 2j and 2n	S8
¹ H NMR and ¹³ C NMR spectra of 2k	S9
¹ H NMR and ¹³ C NMR spectra of 2m	S10
¹ H NMR and ¹³ C NMR spectra of 3a	S11
¹ H NMR spectra of 3b and 3c	S12
¹ H NMR spectra of 3d and 3g	S13
¹ H NMR and ¹³ C NMR spectra of 3e	S14
¹ H NMR and ¹³ C NMR spectra of 3f	S15
¹ H NMR spectra of 3h and 3i	S16
¹ H NMR and ¹³ C NMR spectra of 3j	S17
¹ H NMR and ¹³ C NMR spectra of 3k	S18
¹ H NMR and ¹³ C NMR spectra of 3l	S19
¹ H NMR and ¹³ C NMR spectra of 3m	S20
¹ H NMR and ¹³ C NMR spectra of 3n	S21
¹ H NMR spectrum of 4a	S22
¹ H NMR and ¹³ C NMR spectra of 4b	S23

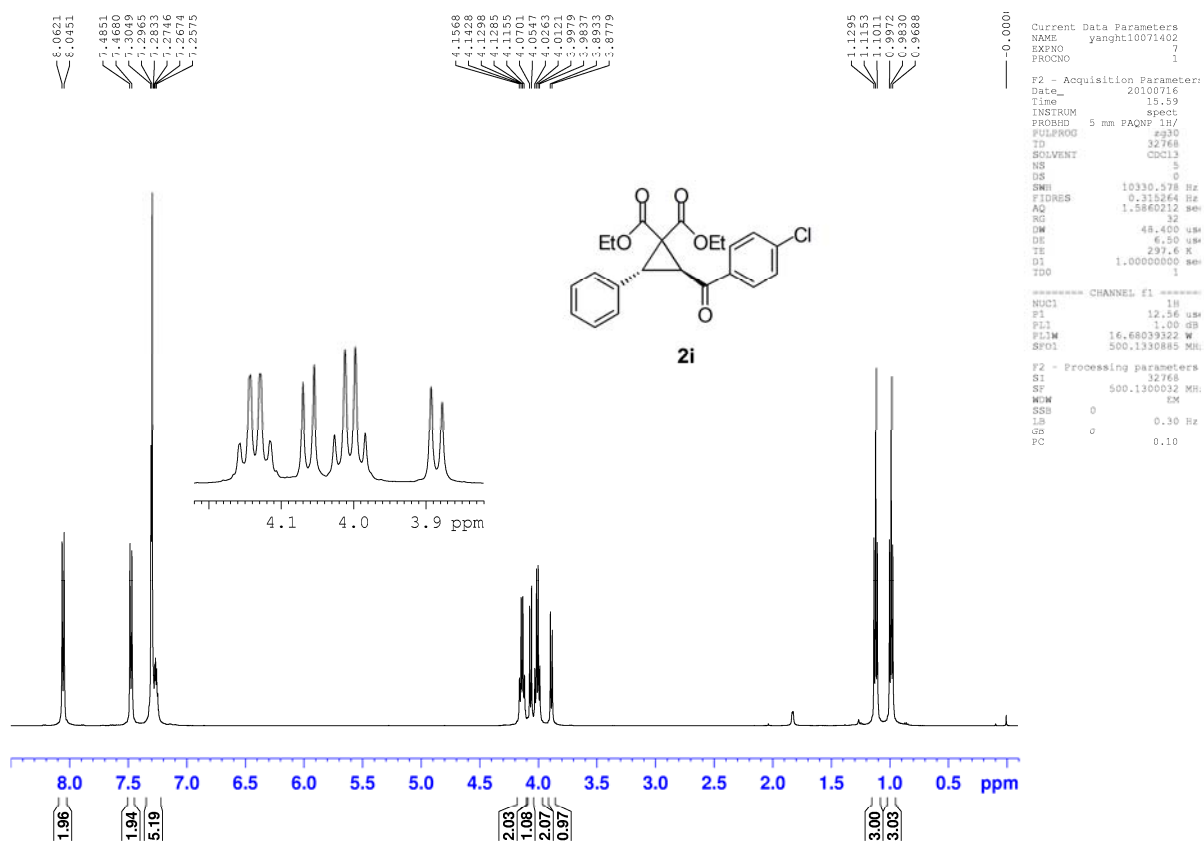
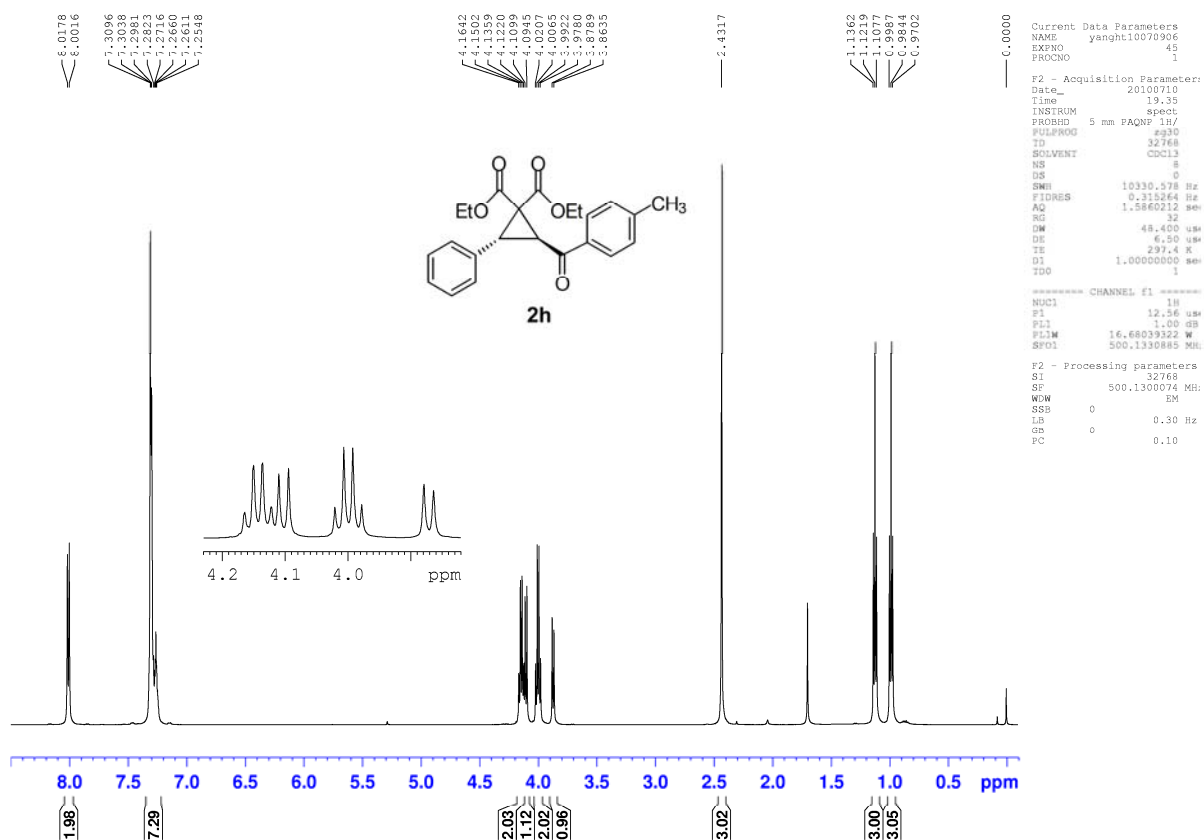
¹ H NMR and ¹³ C NMR spectra of 4c	S24
¹ H NMR and ¹³ C NMR spectra of 4d	S25
¹ H NMR and ¹³ C NMR spectra of 4e	S26
¹ H NMR and ¹³ C NMR spectra of 4f	S27
¹ H NMR and ¹³ C NMR spectra of 4g	S28
¹ H NMR and ¹³ C NMR spectra of 4h	S29
¹ H NMR and ¹³ C NMR spectra of 4i	S30
¹ H NMR and ¹³ C NMR spectra of 4j	S31
¹ H NMR and ¹³ C NMR spectra of 4k	S32
¹ H NMR and ¹³ C NMR spectra of 4l	S33
¹ H NMR and ¹³ C NMR spectra of 4m	S34
¹ H NMR and ¹³ C NMR spectra of 4n	S35
¹ H NMR and ¹³ C NMR spectra of 4o	S36
¹ H NMR and ¹³ C NMR spectra of 5a	S37
HRMS spectra of 5a (M+Na ⁺)	S38

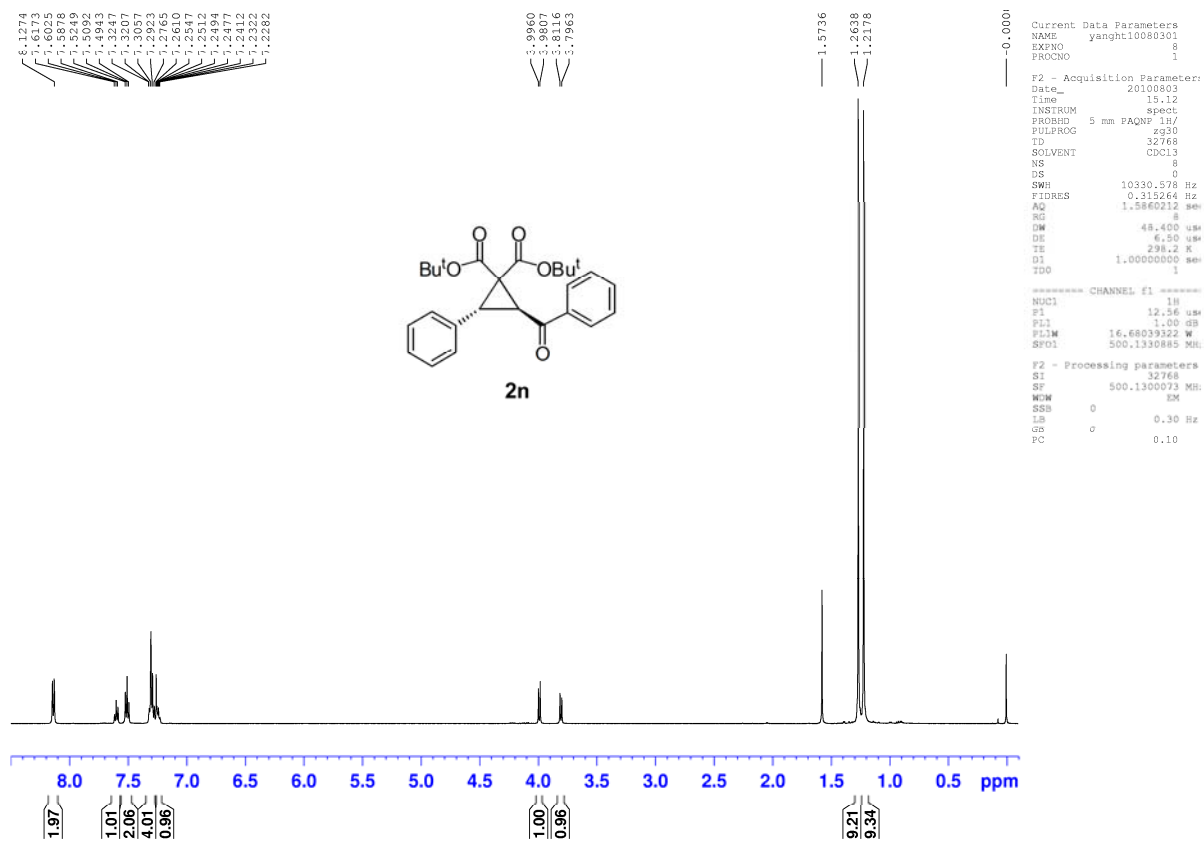
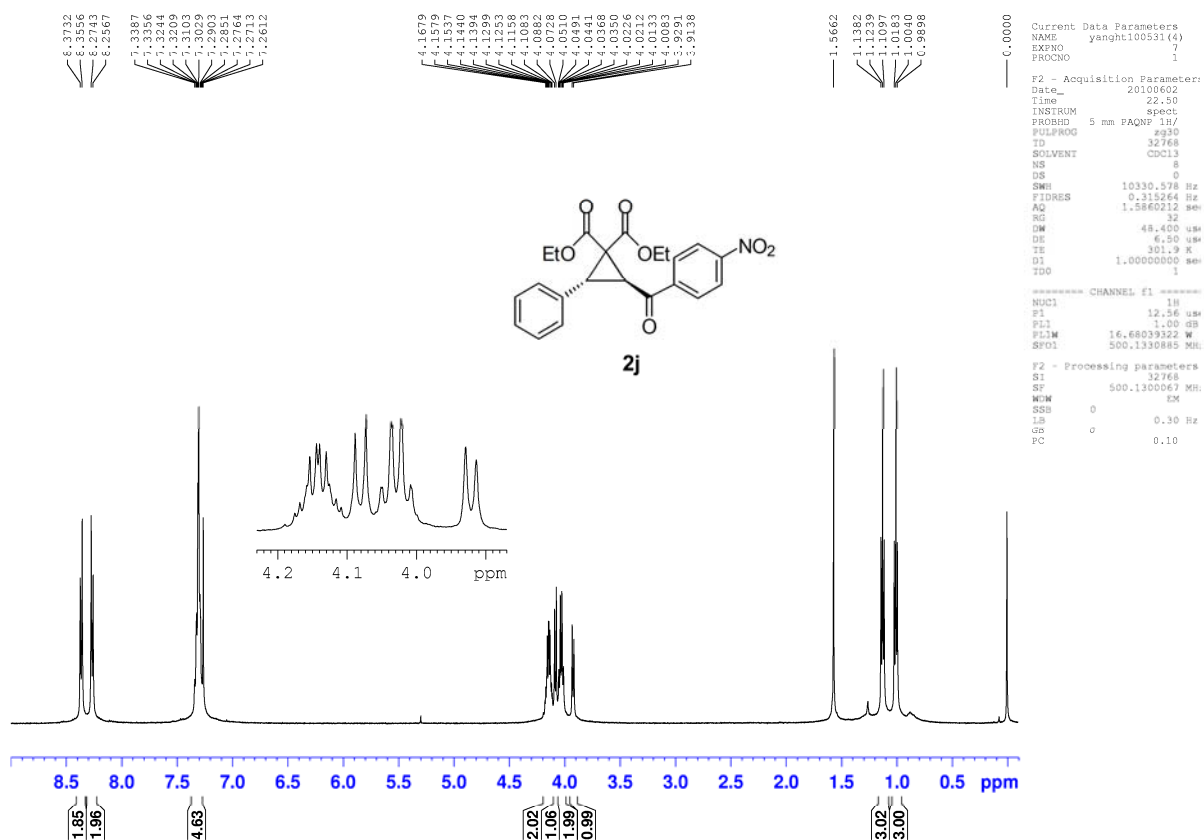


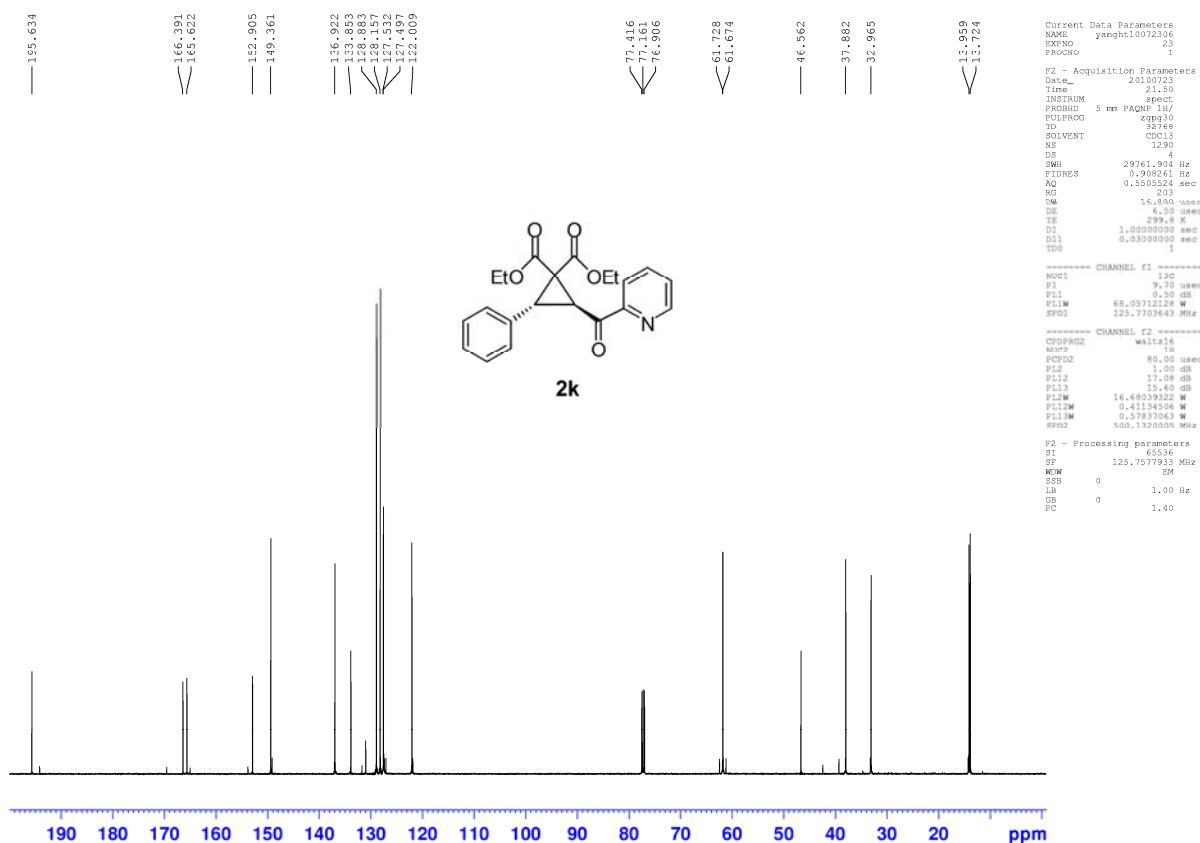
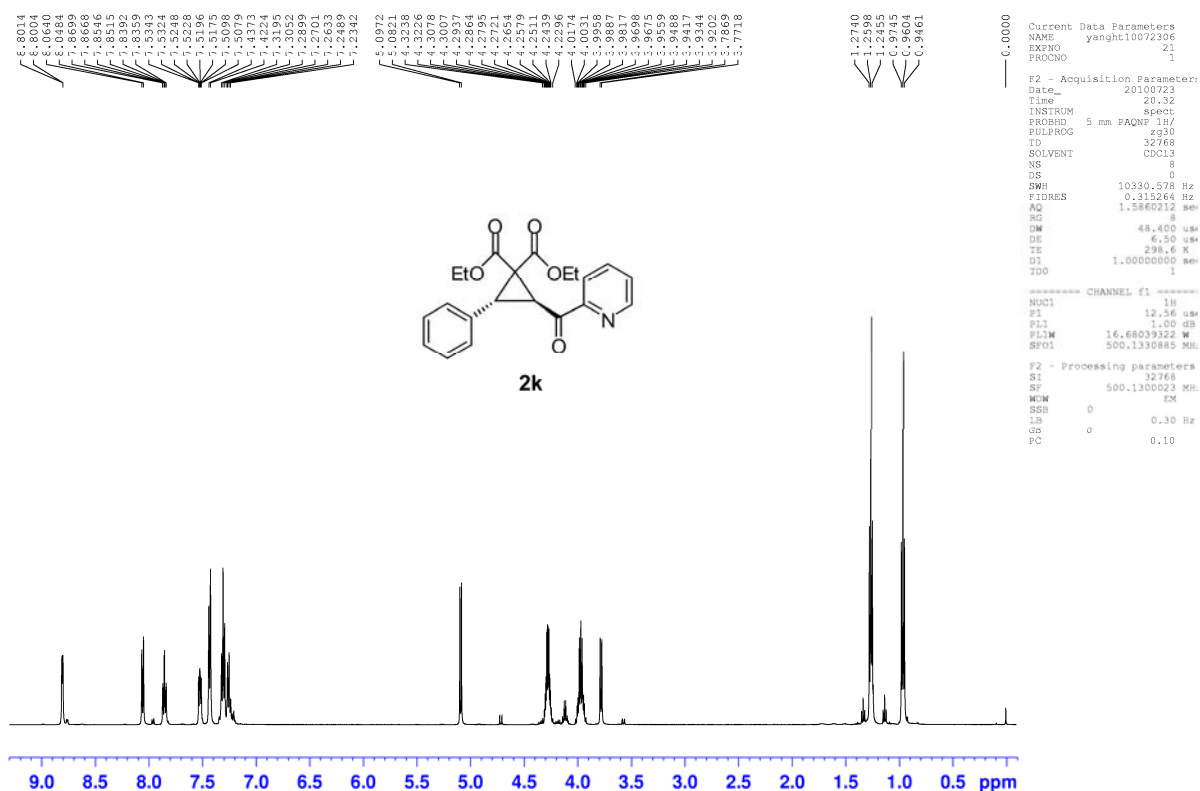


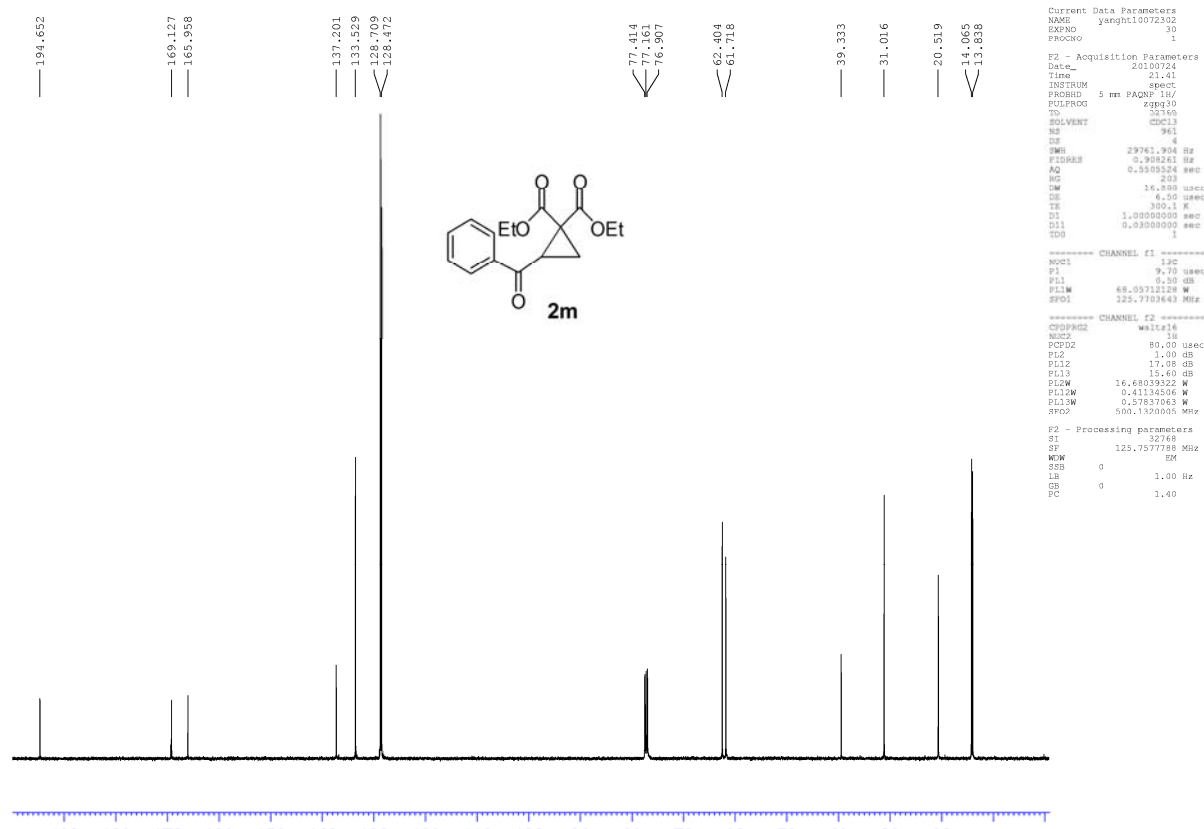
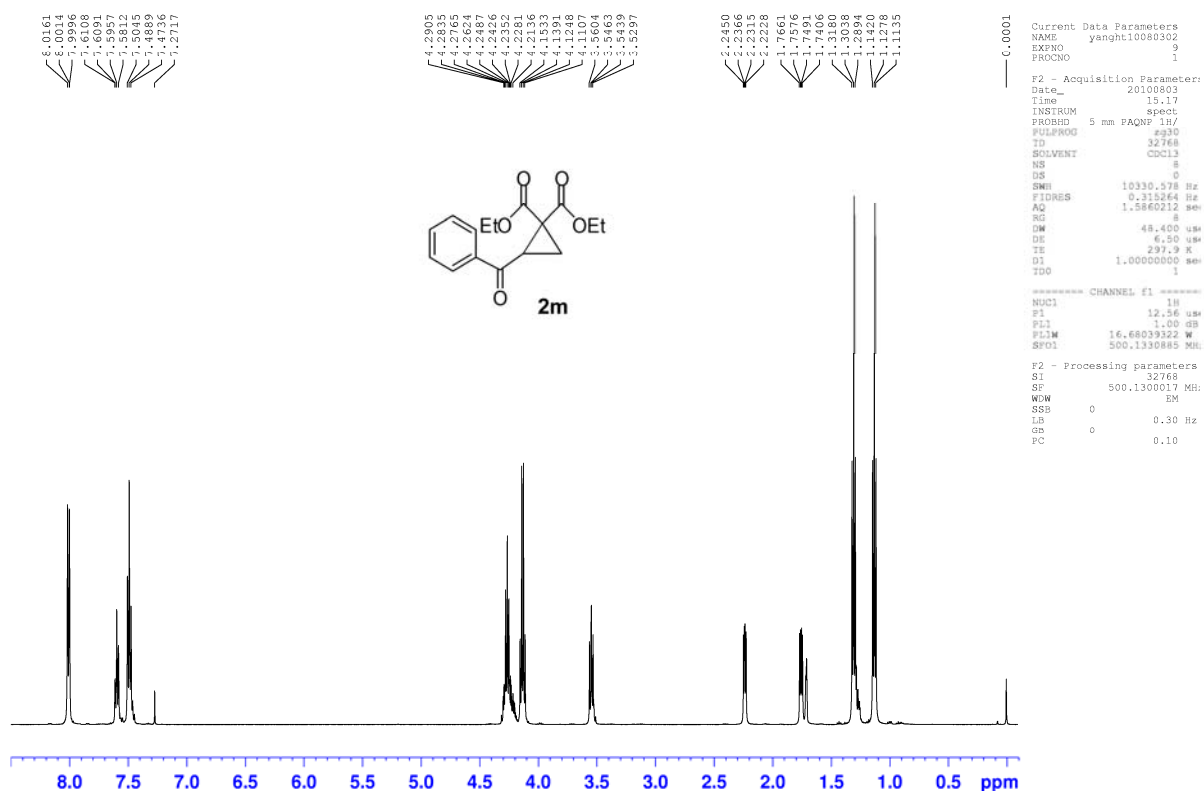


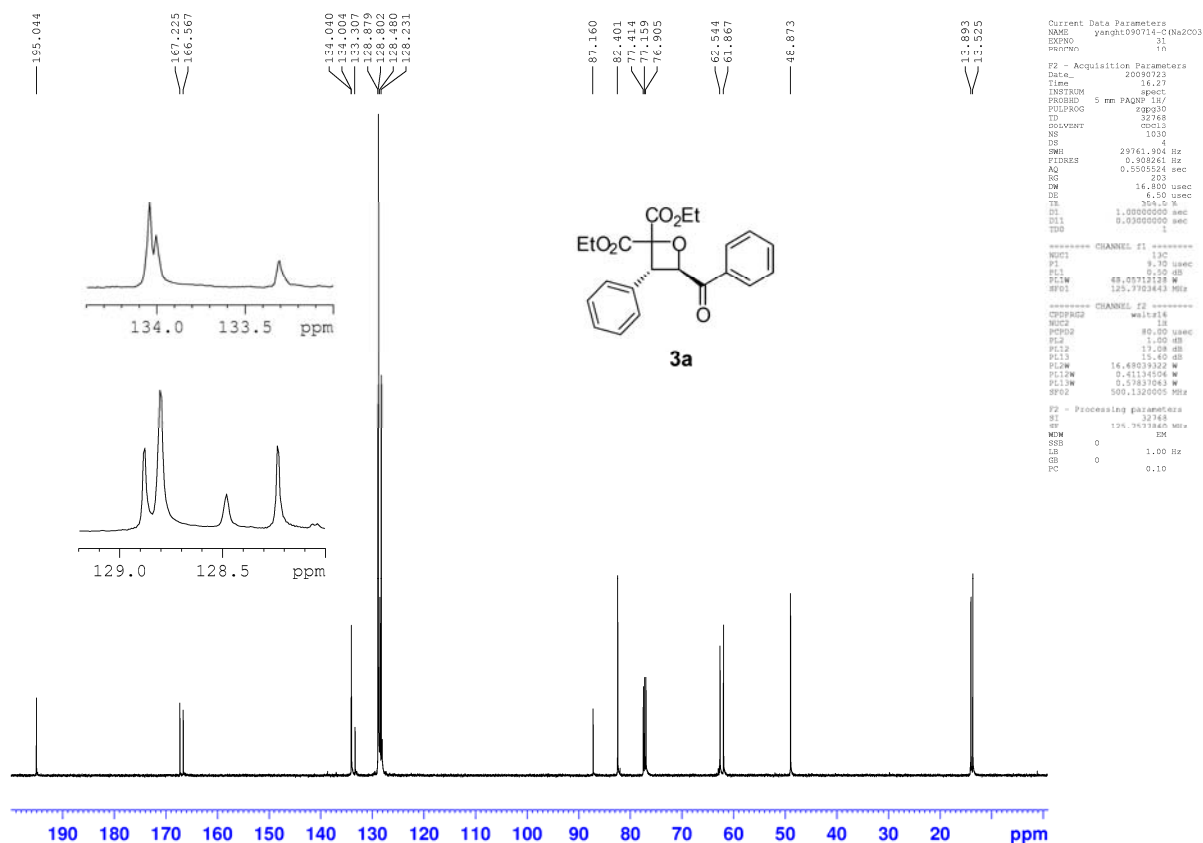
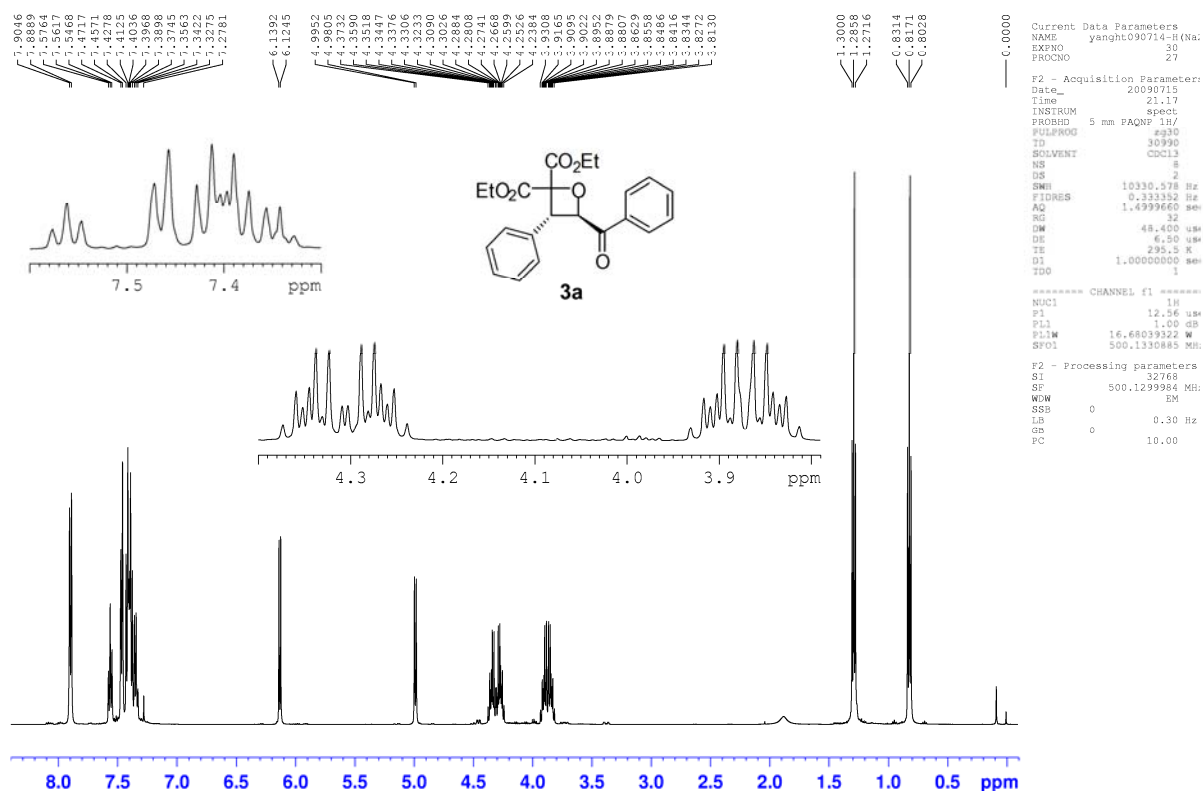


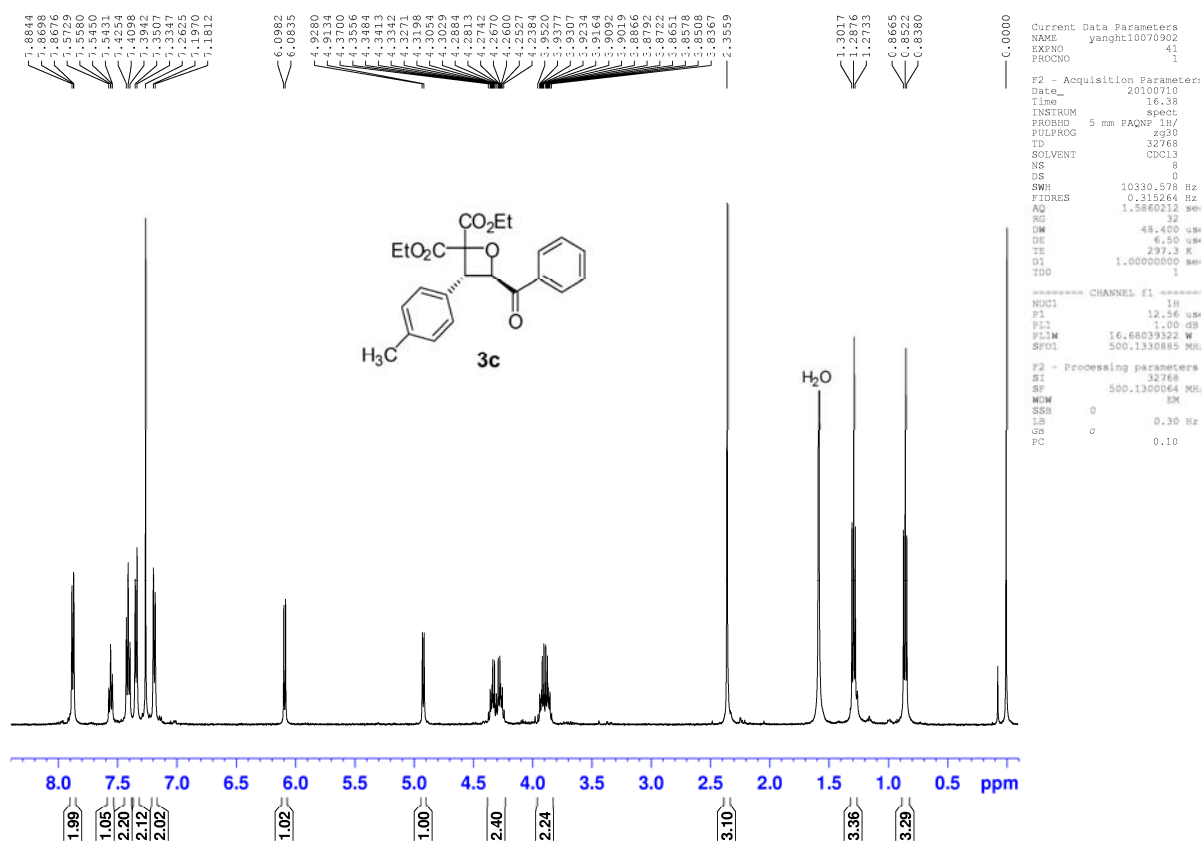
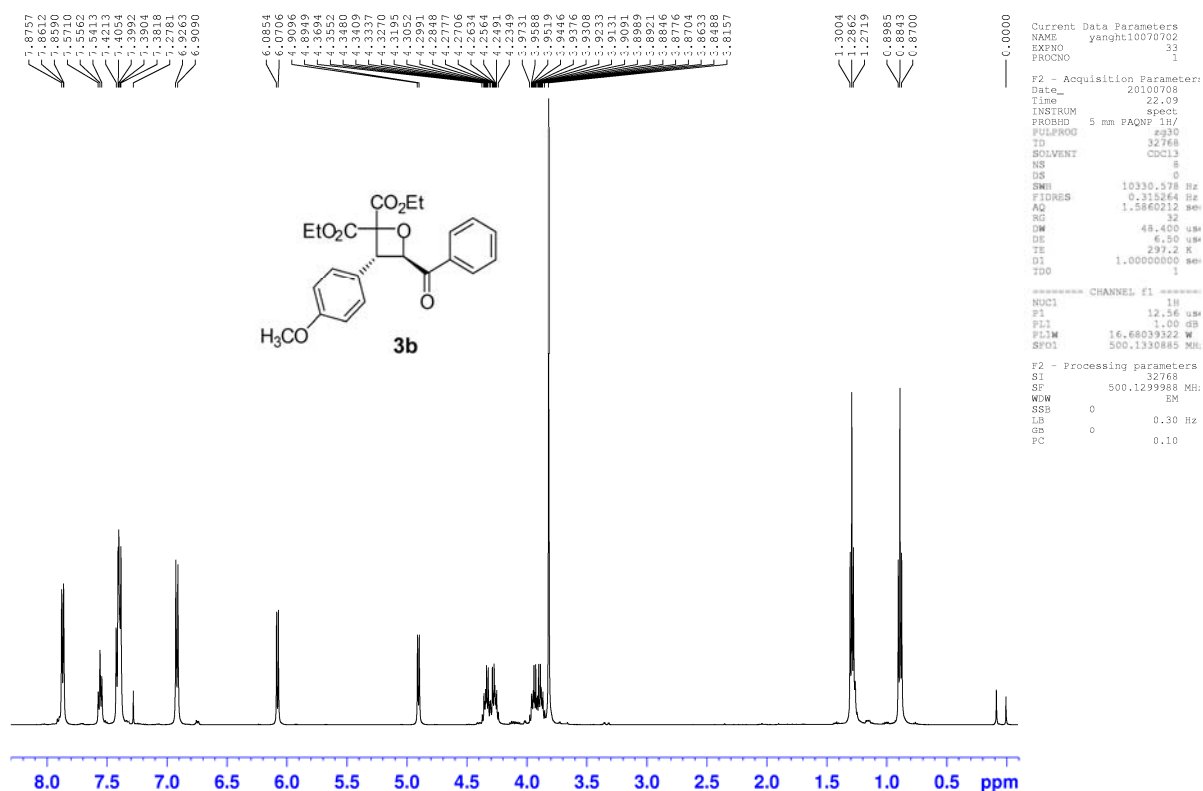


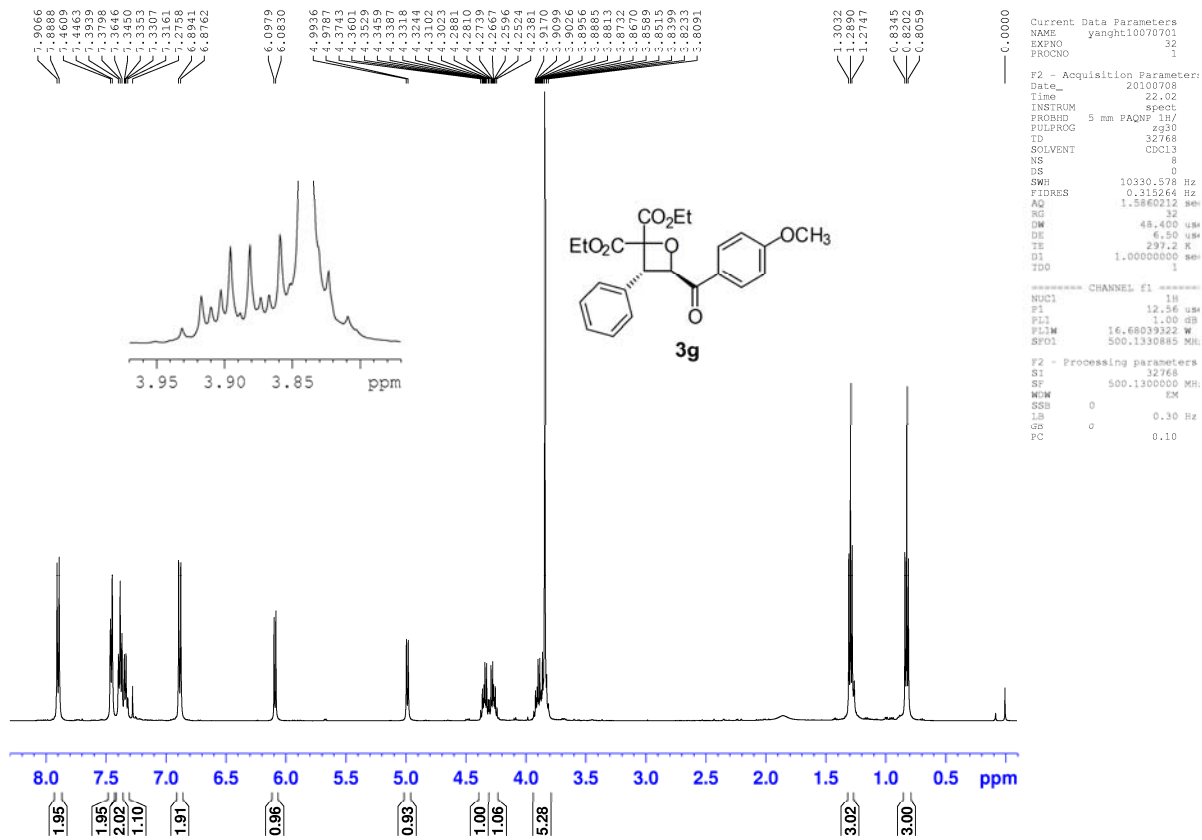
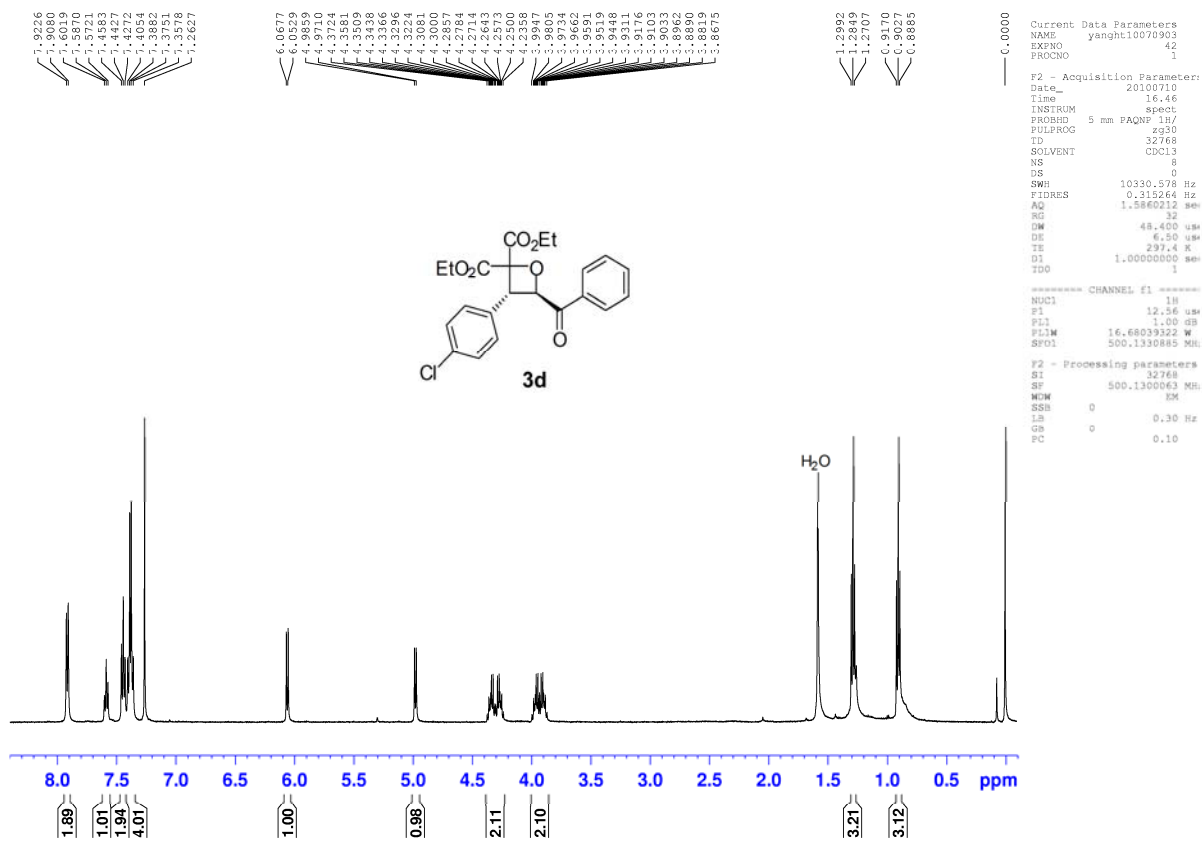


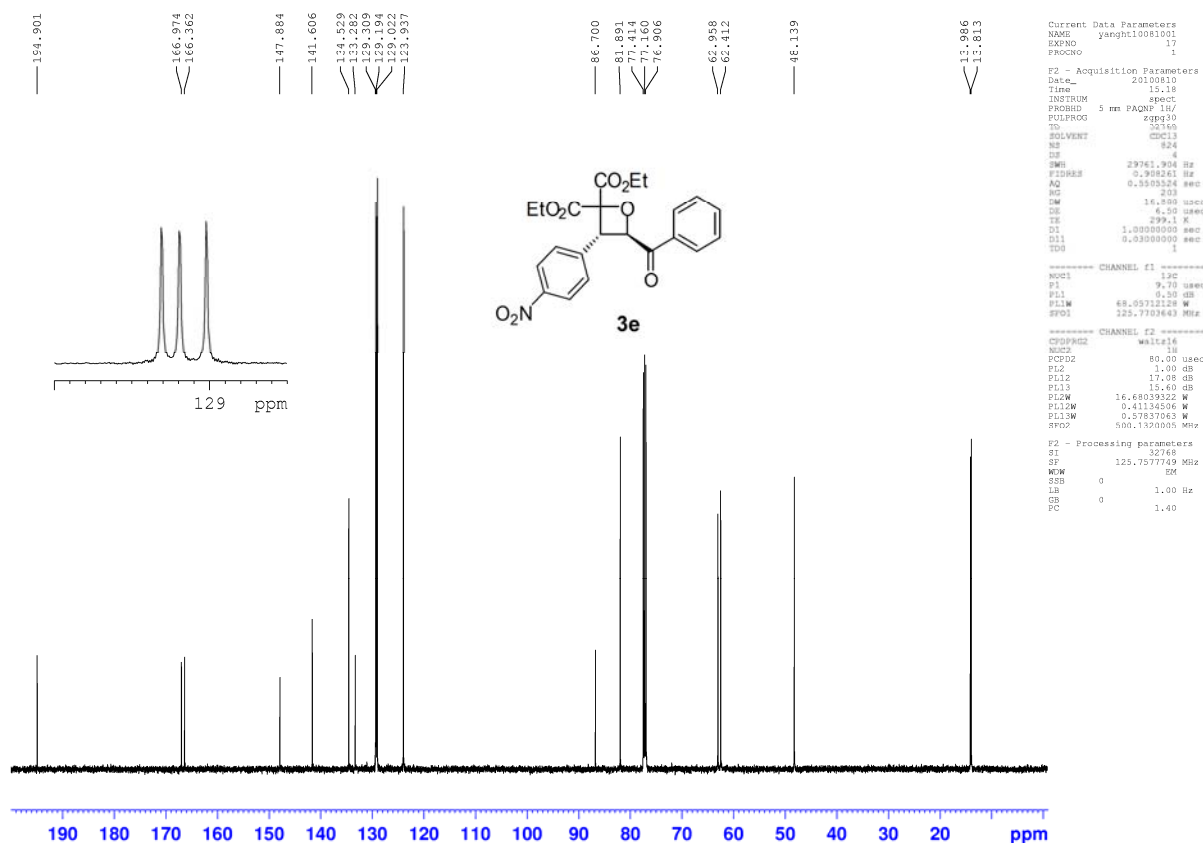
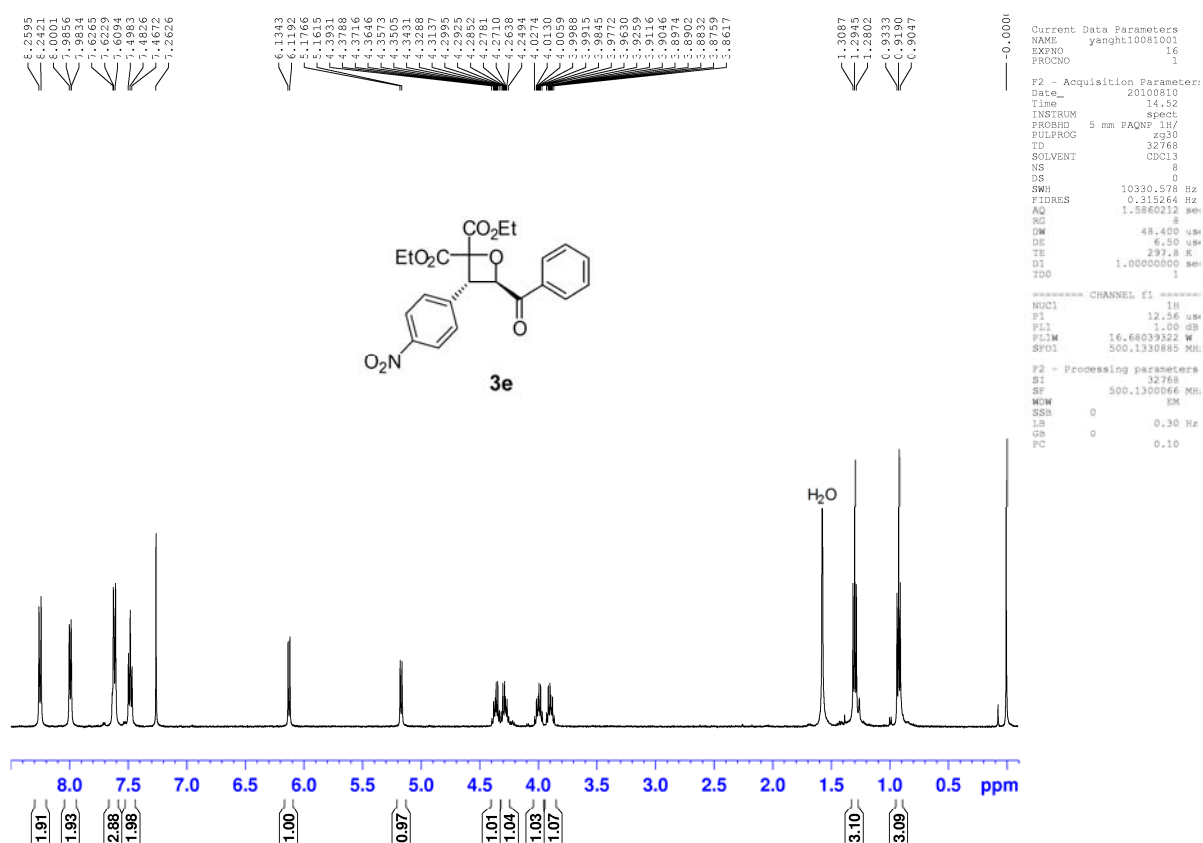


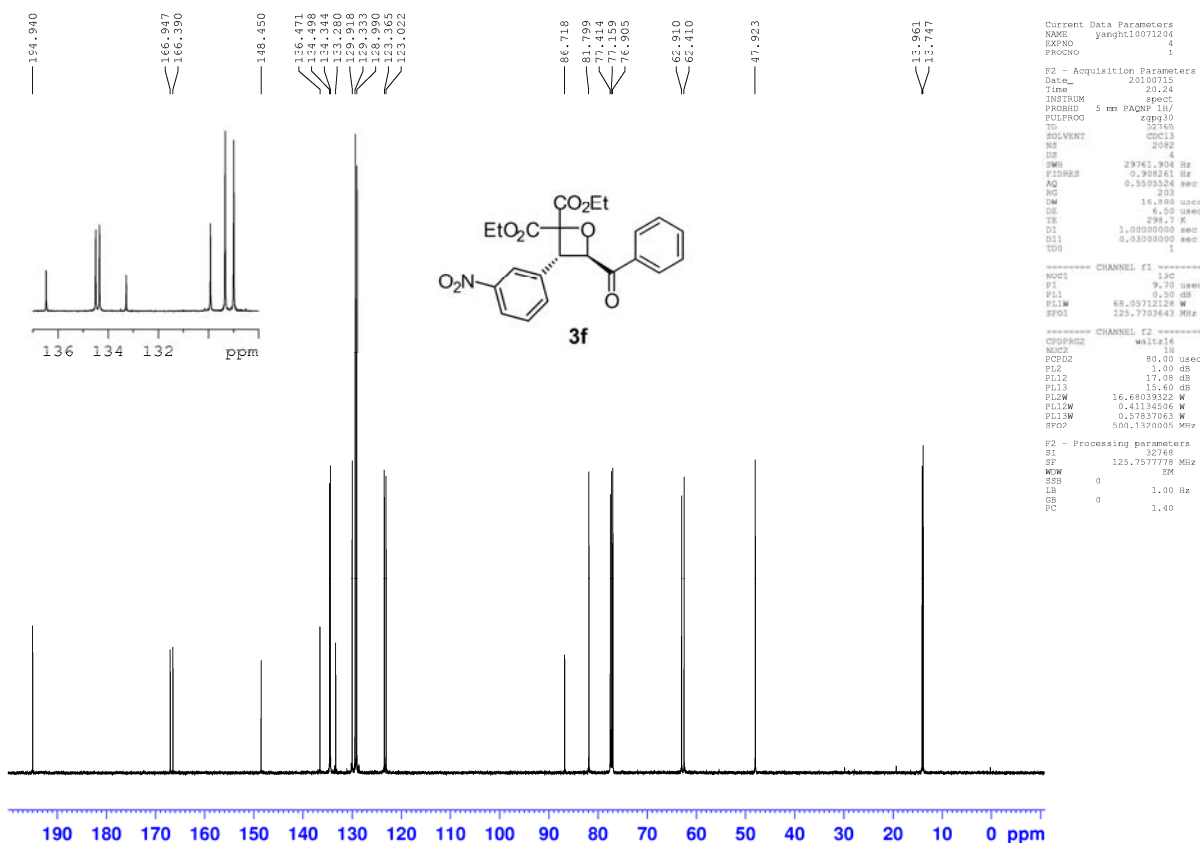
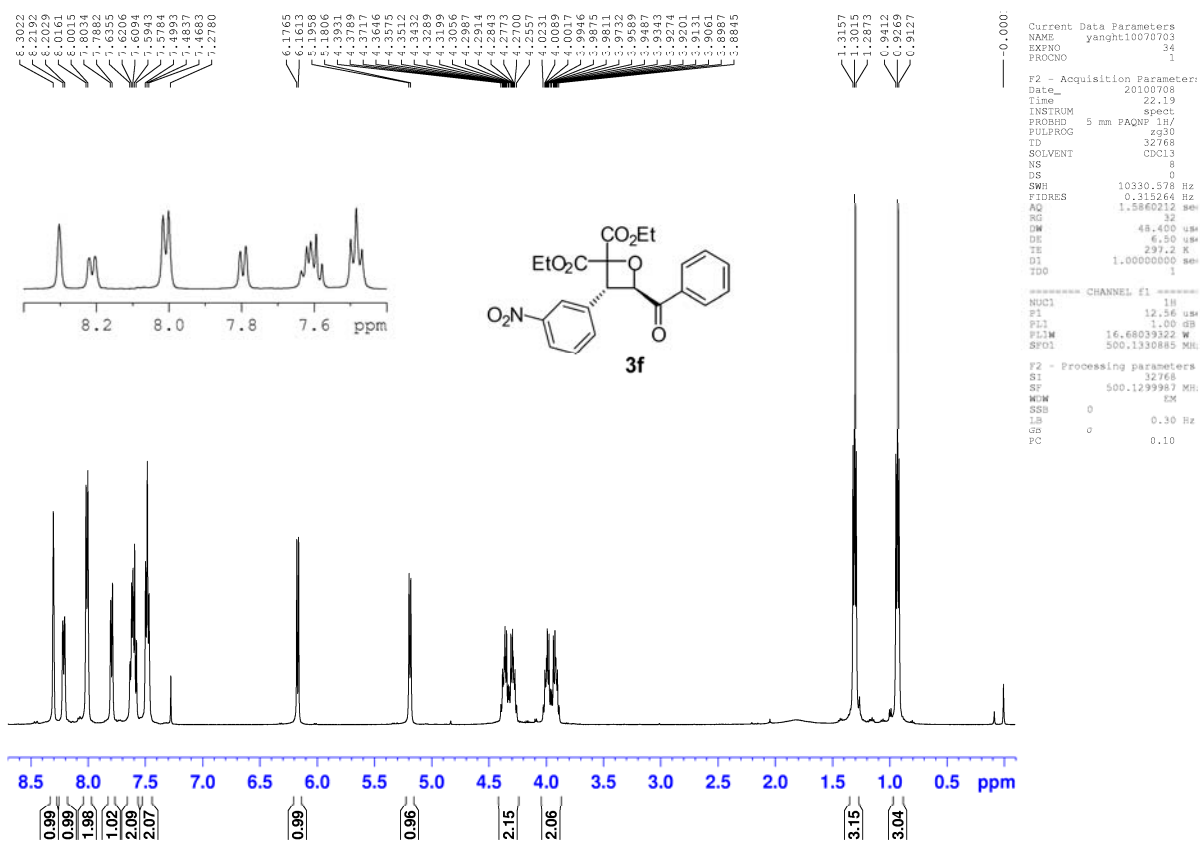


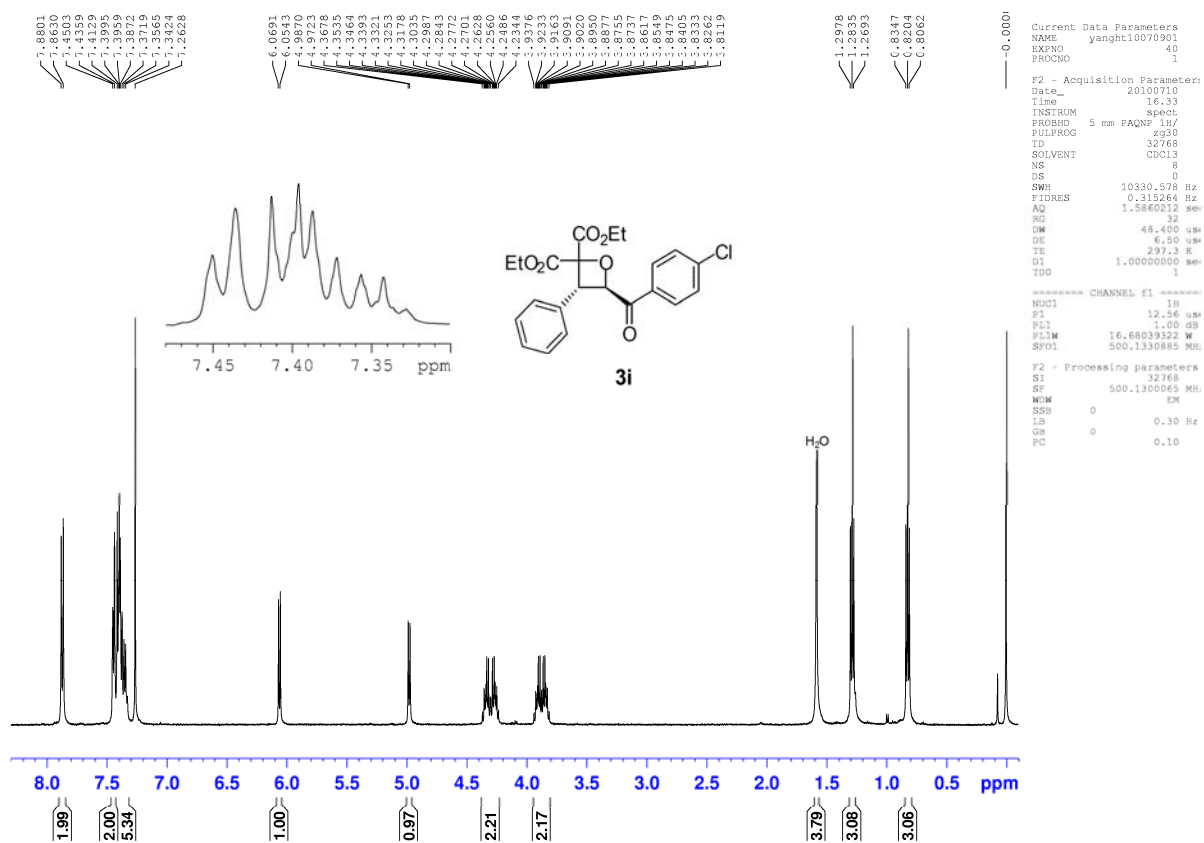
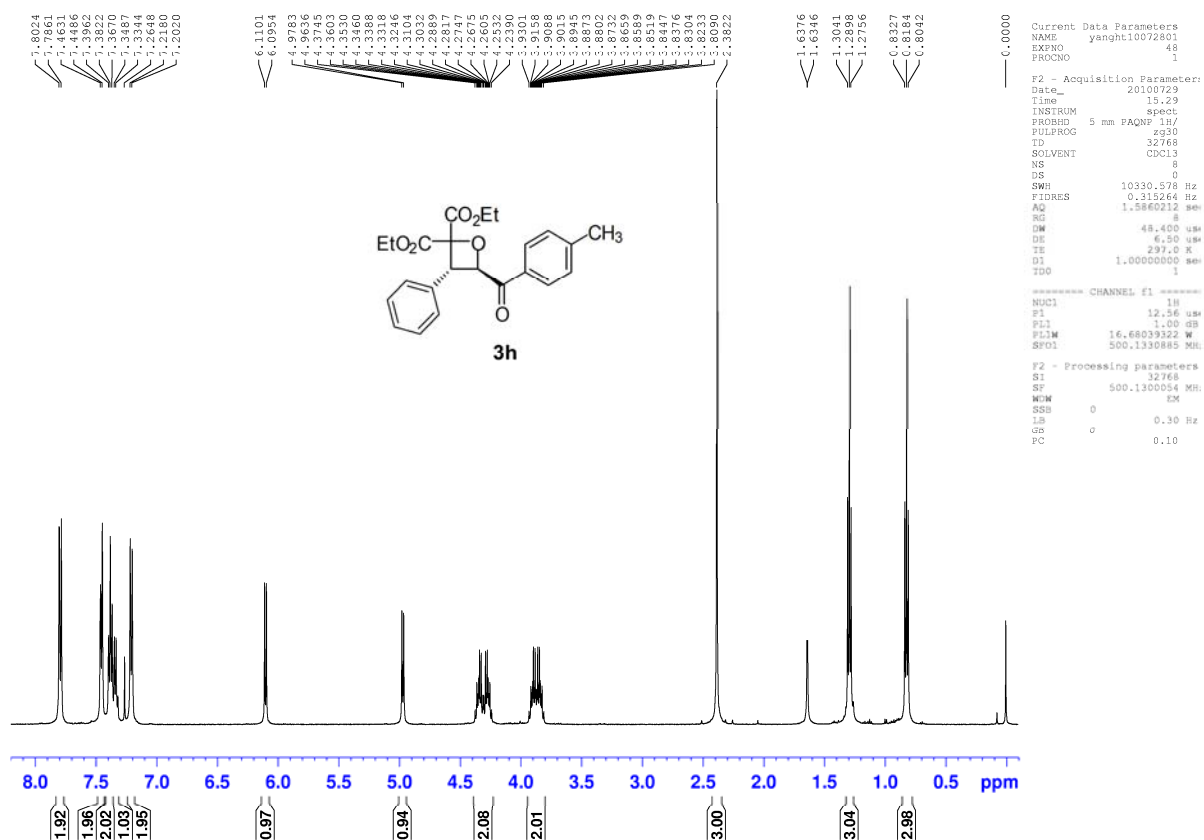


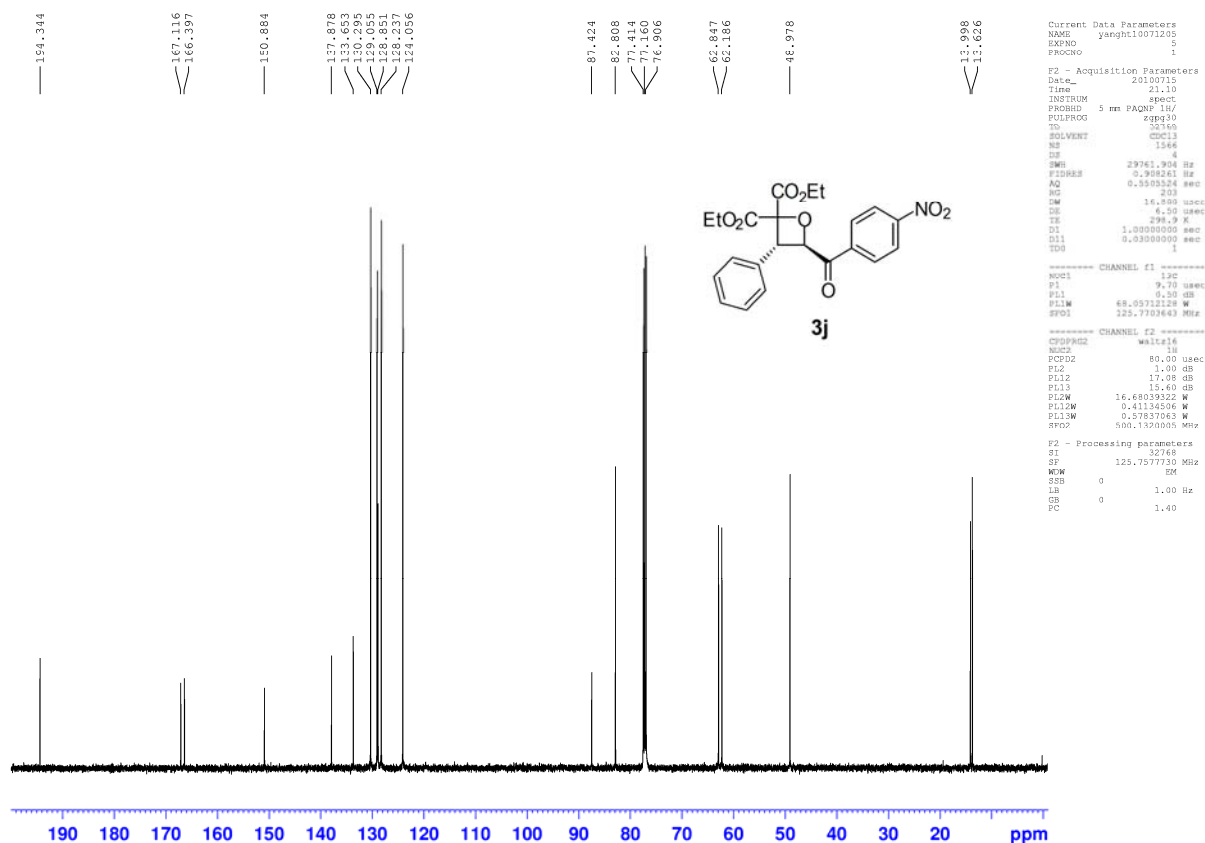
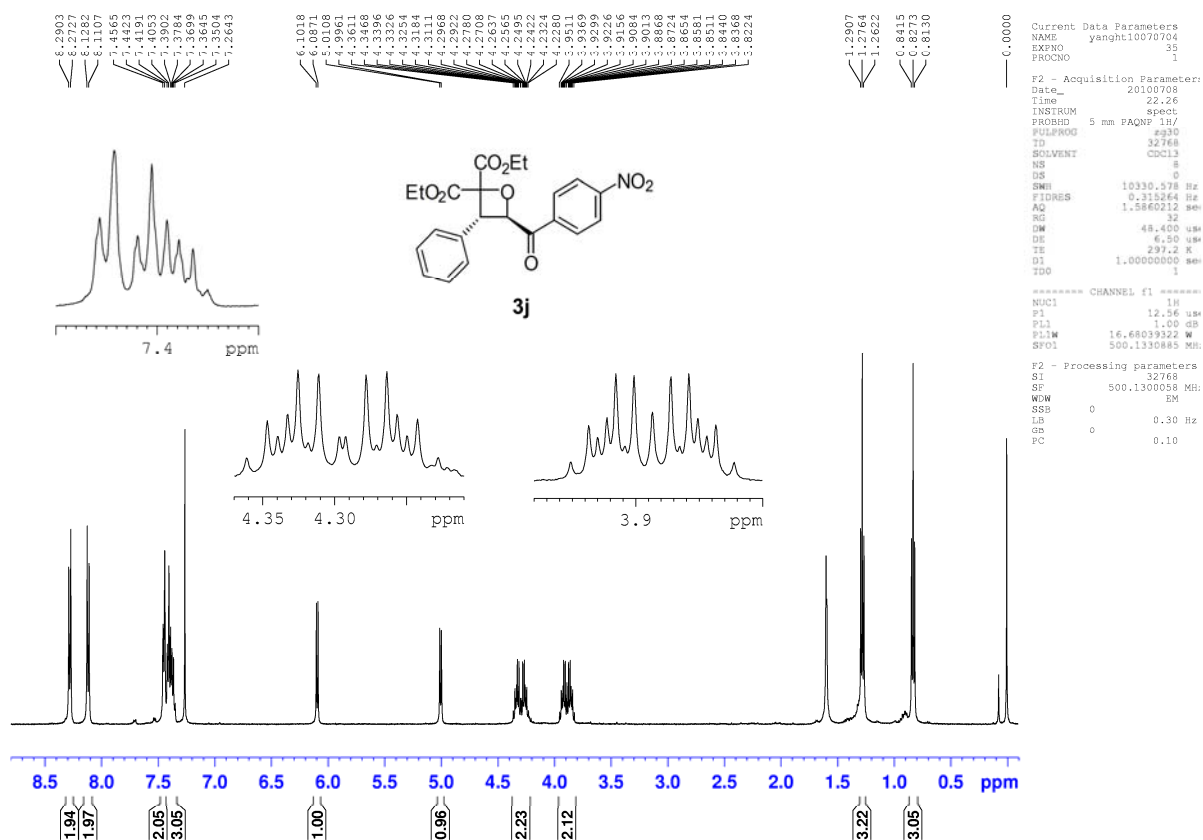


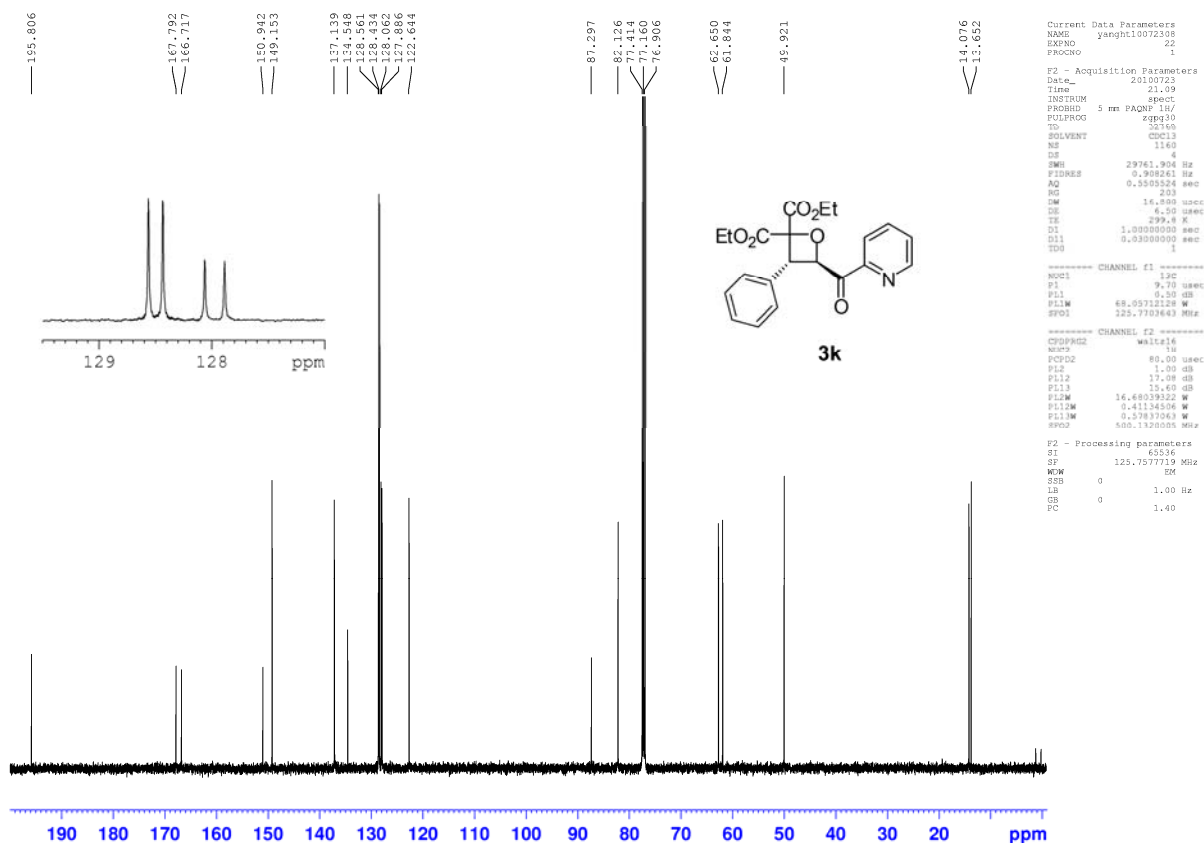


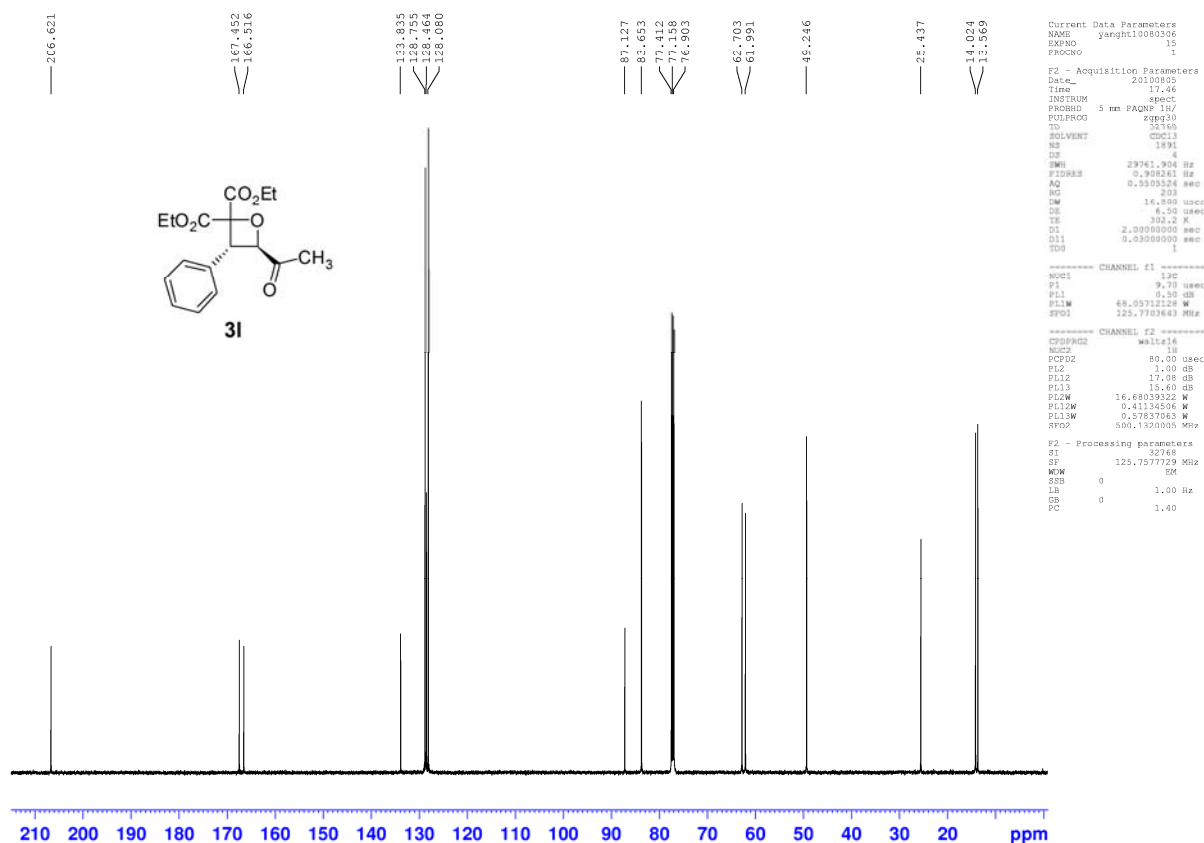
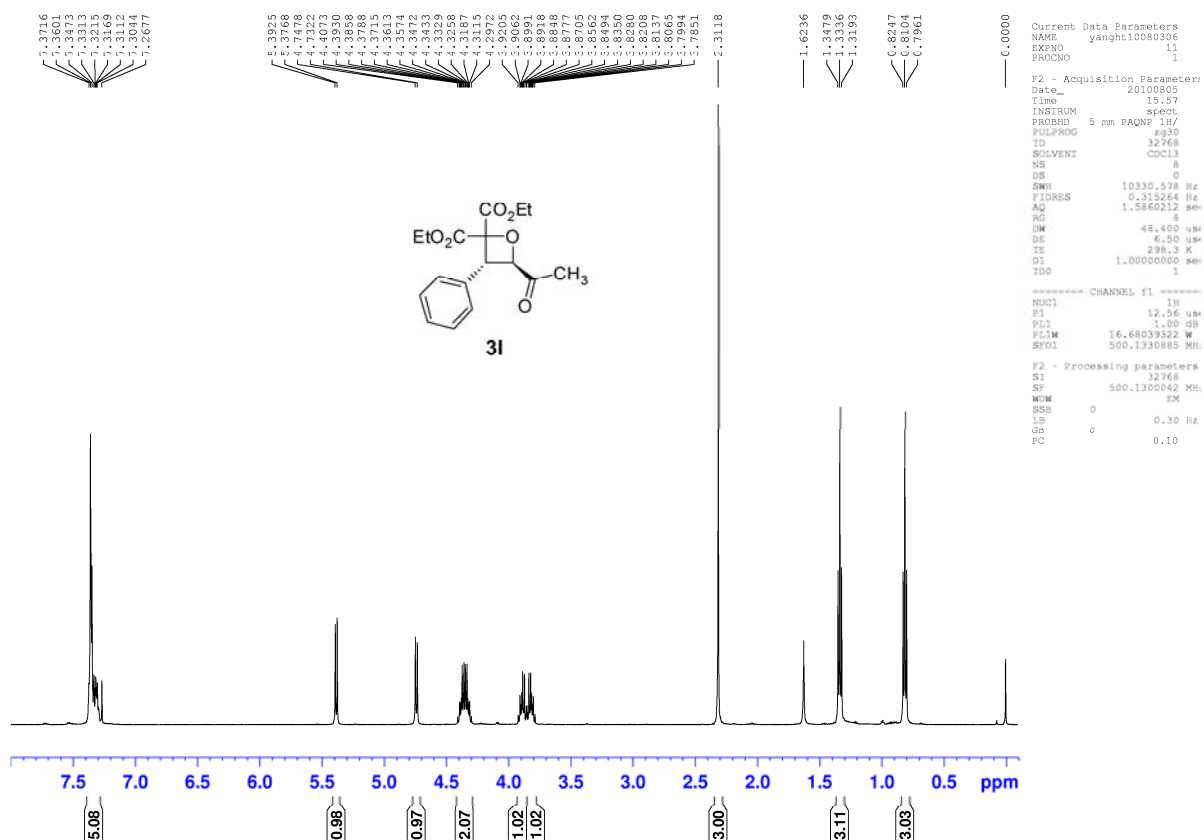




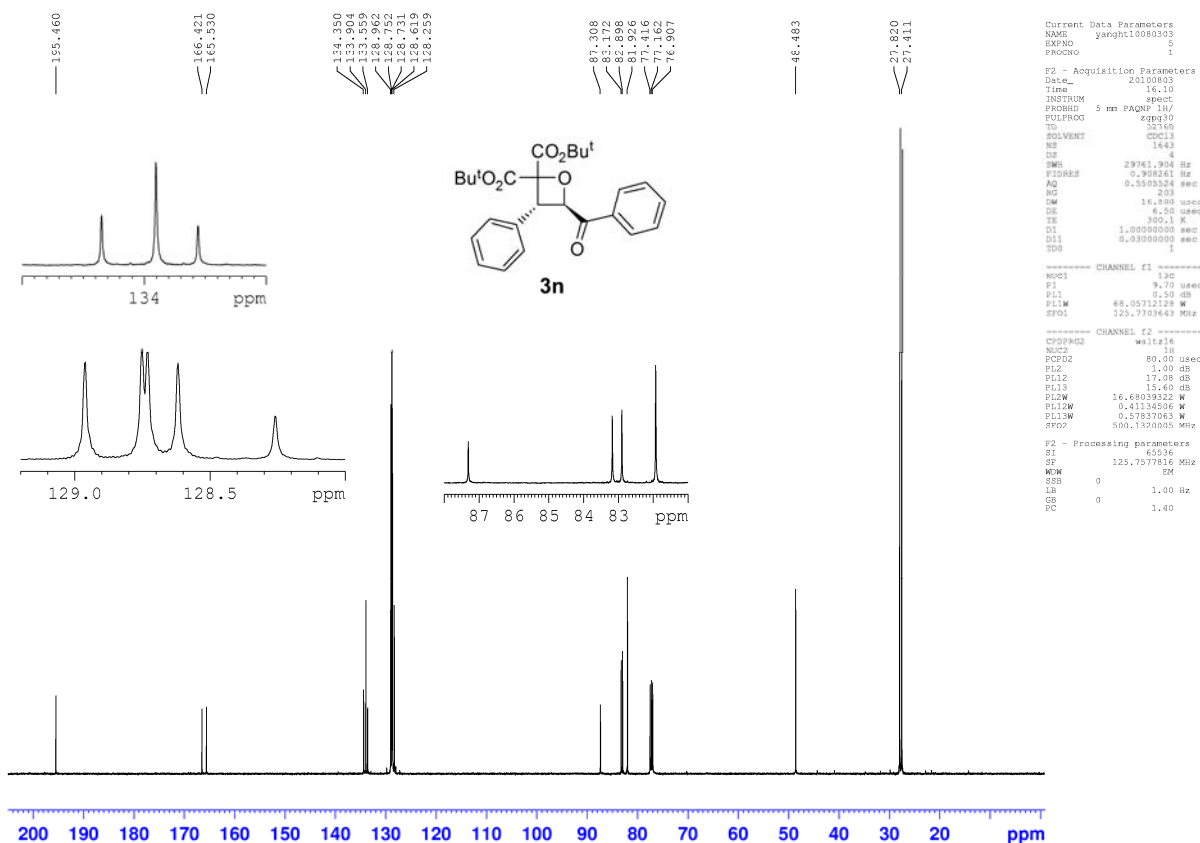
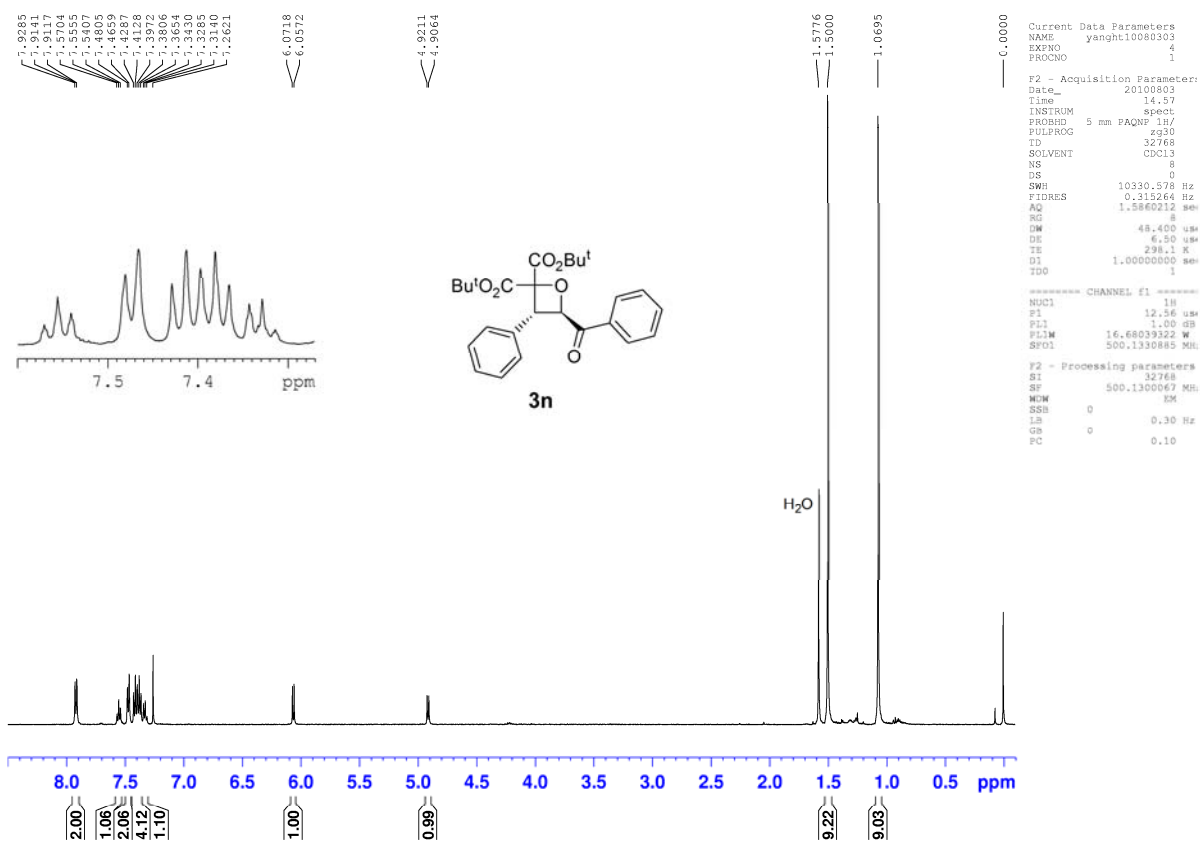


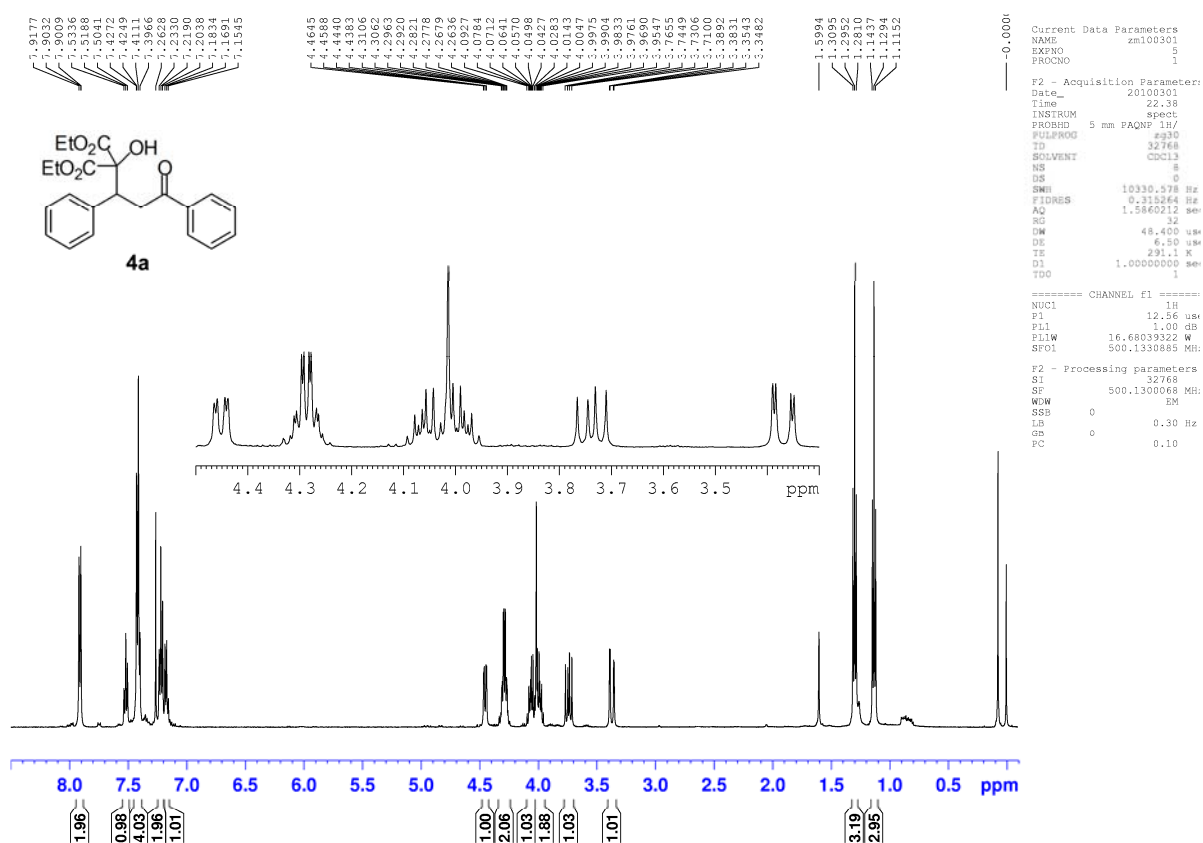


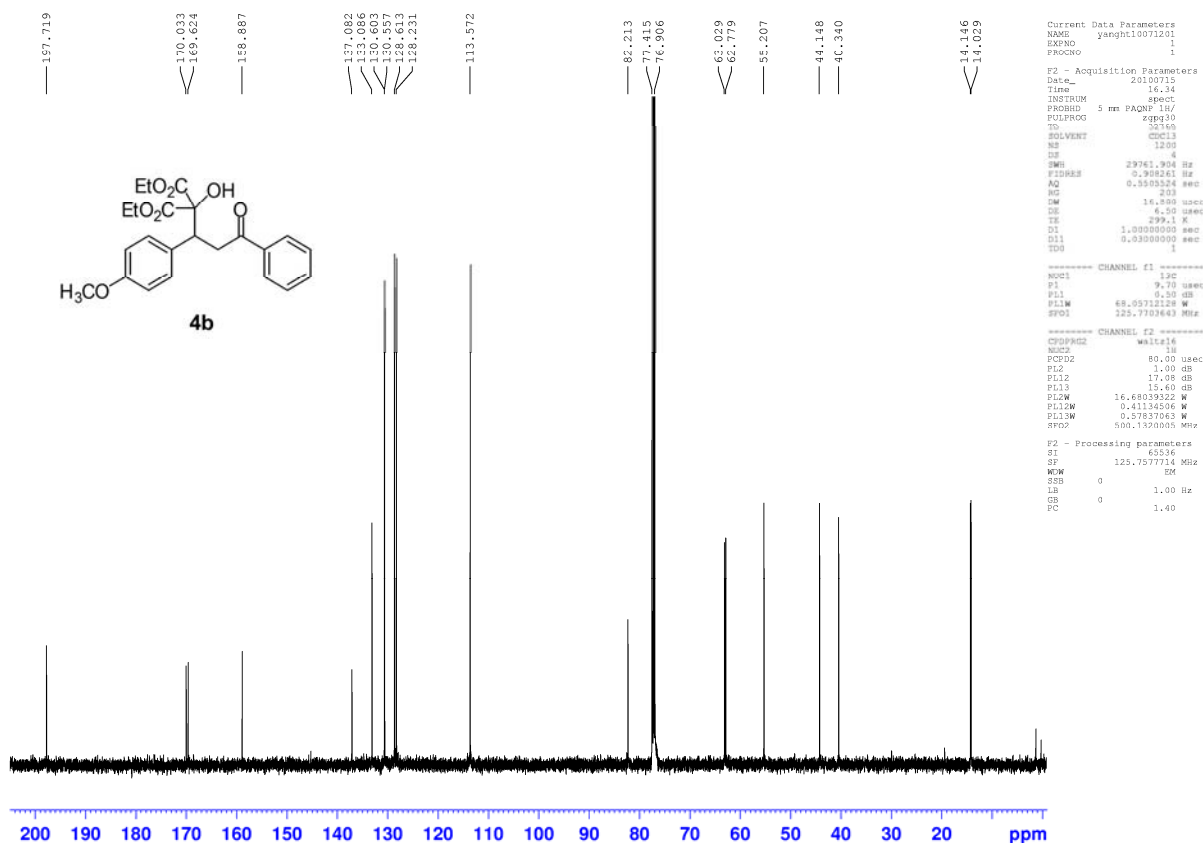
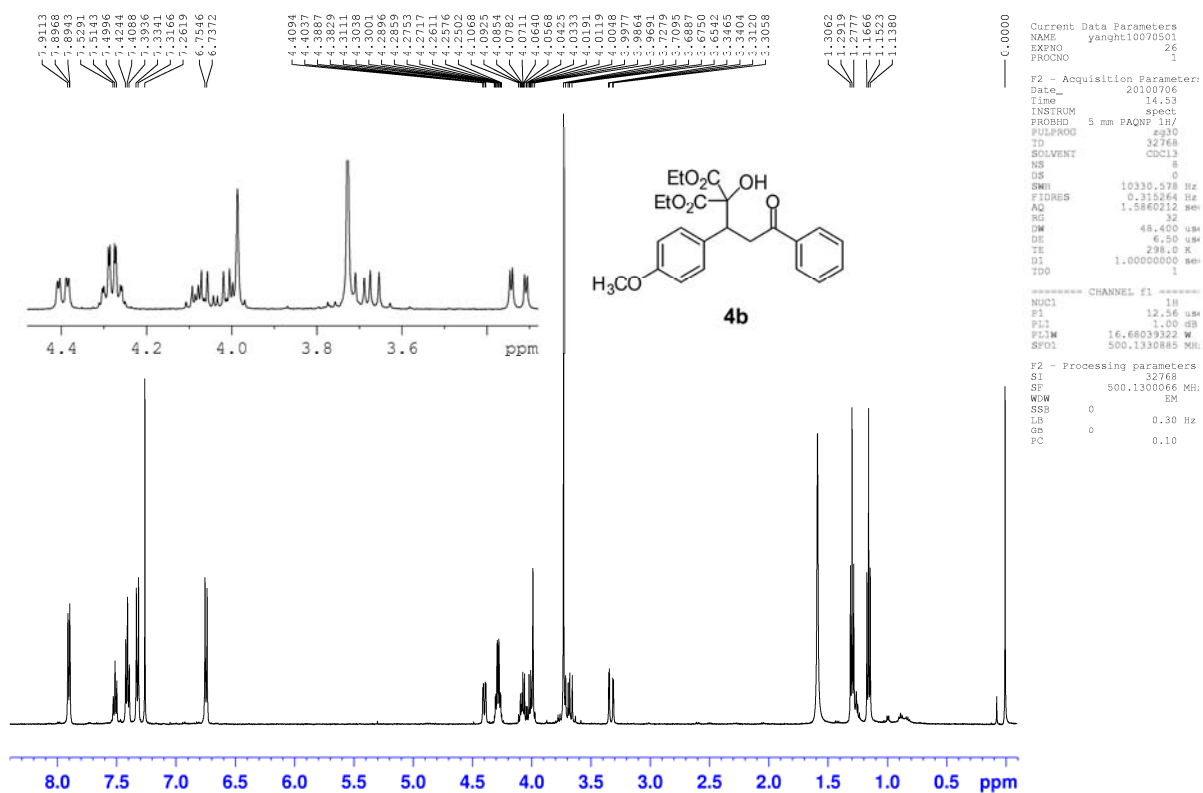


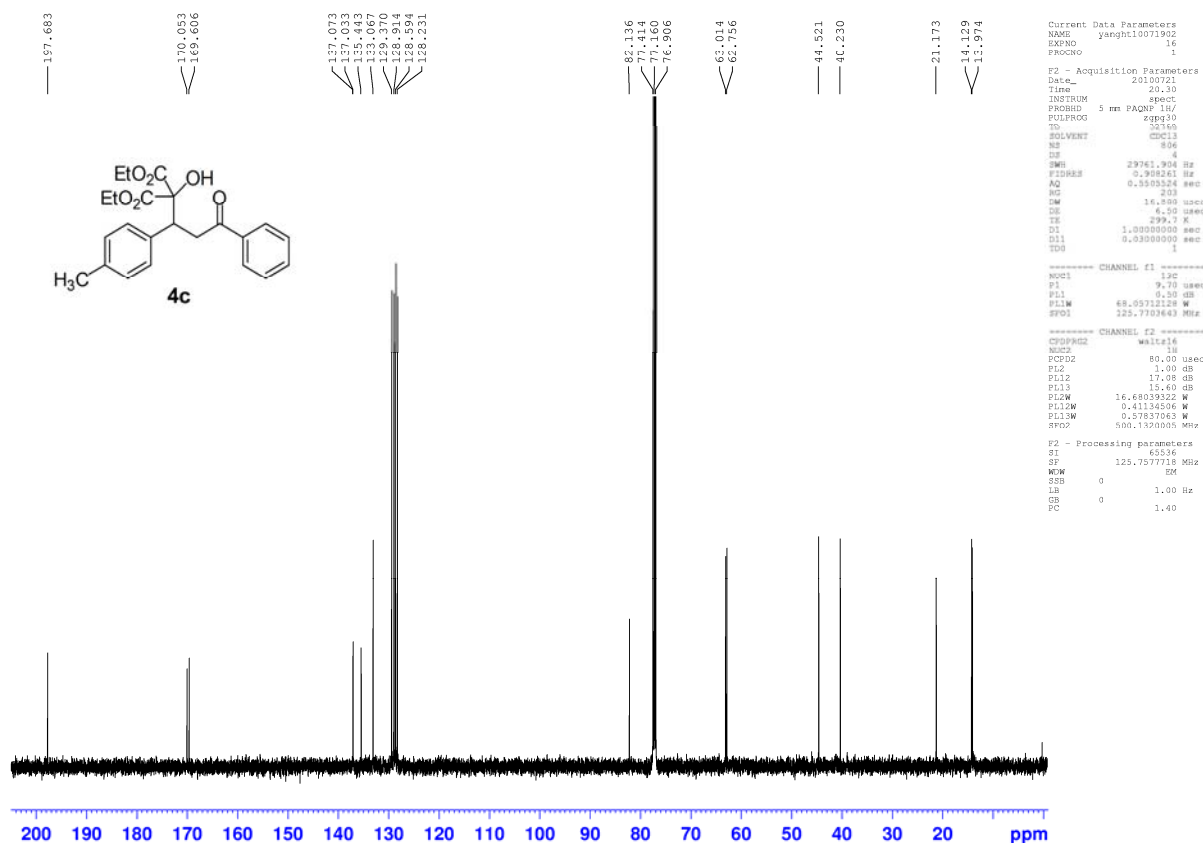
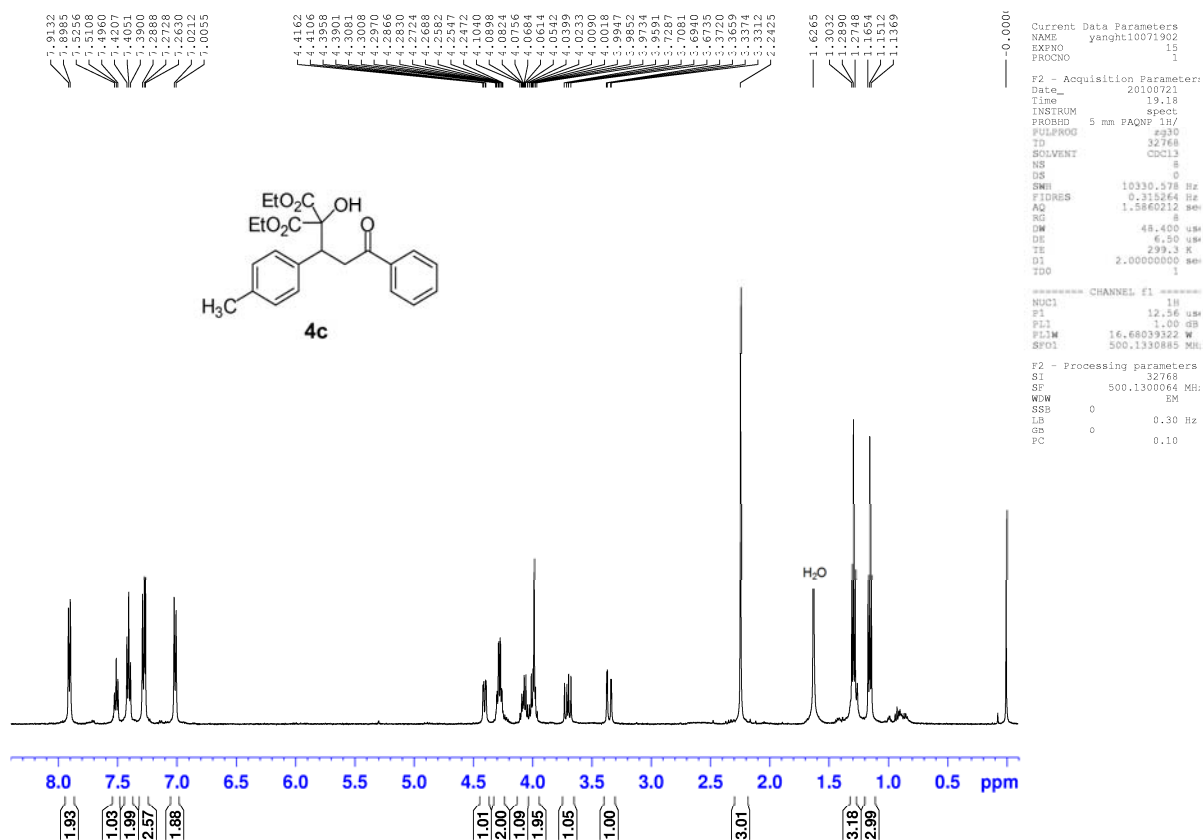


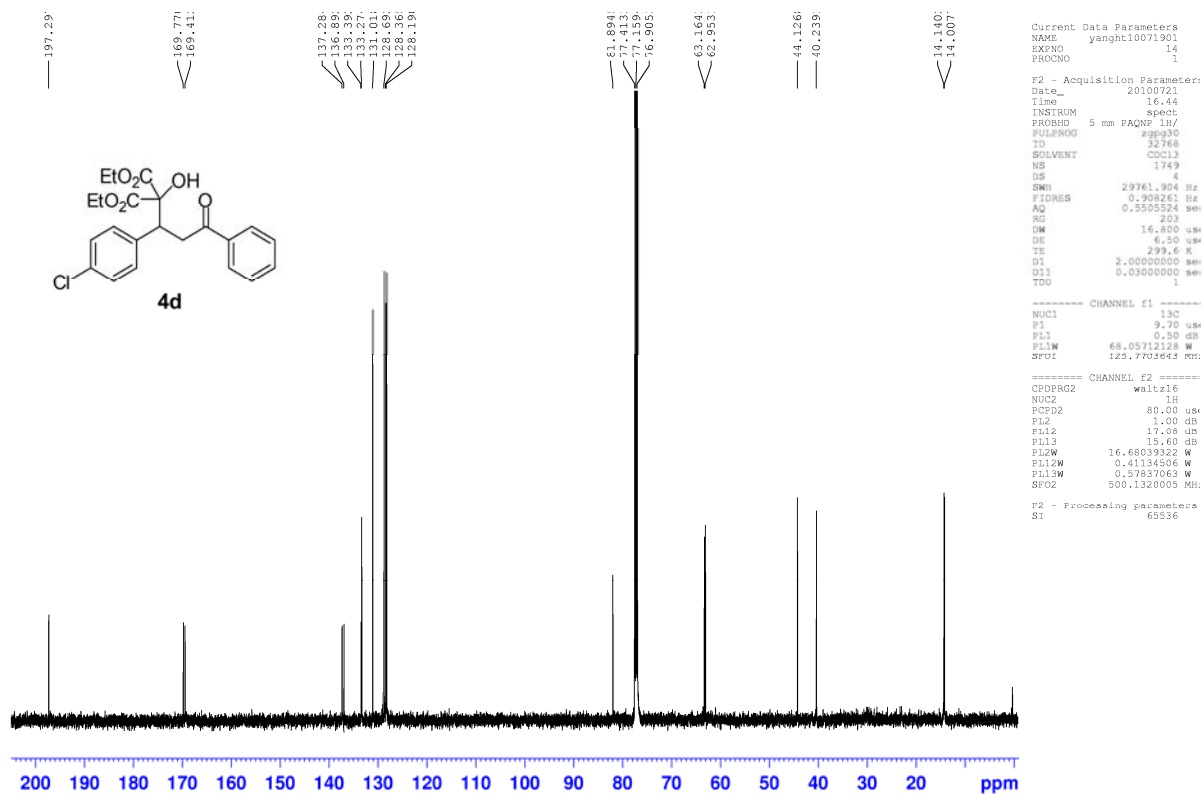
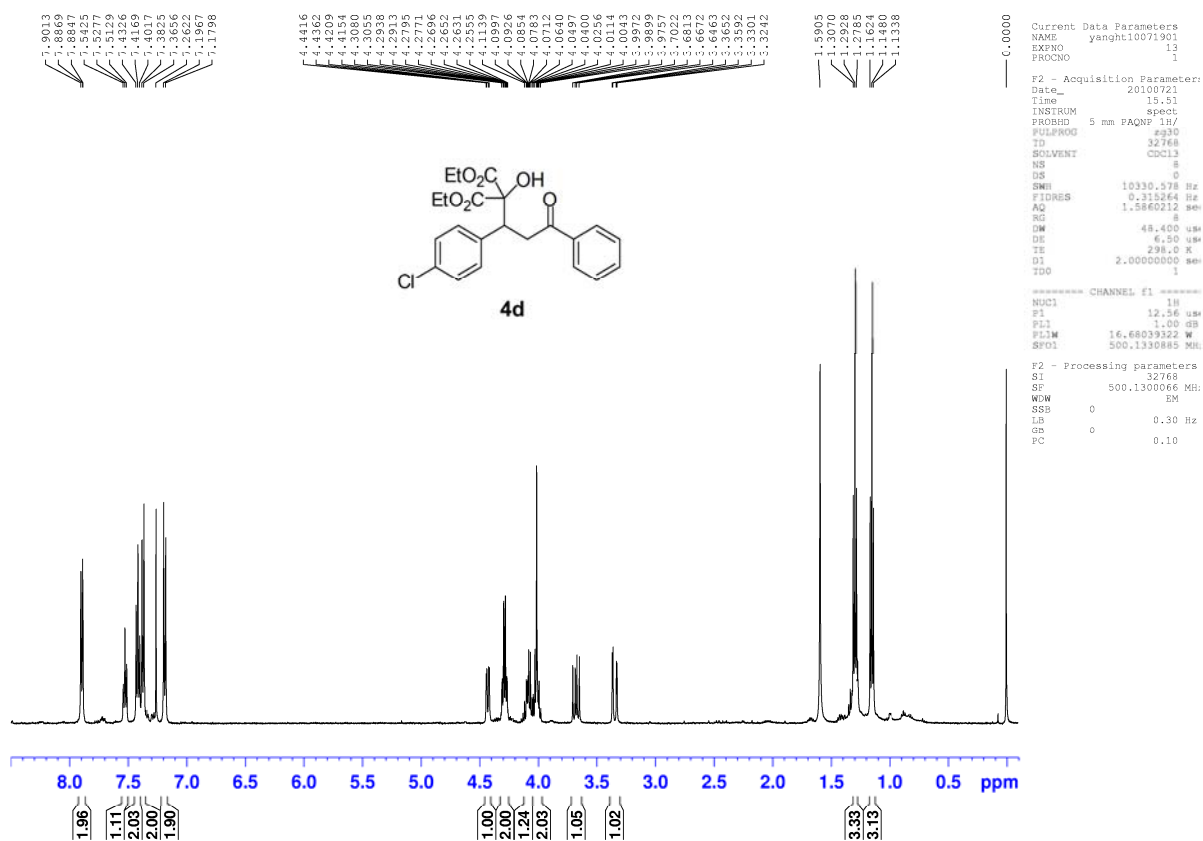


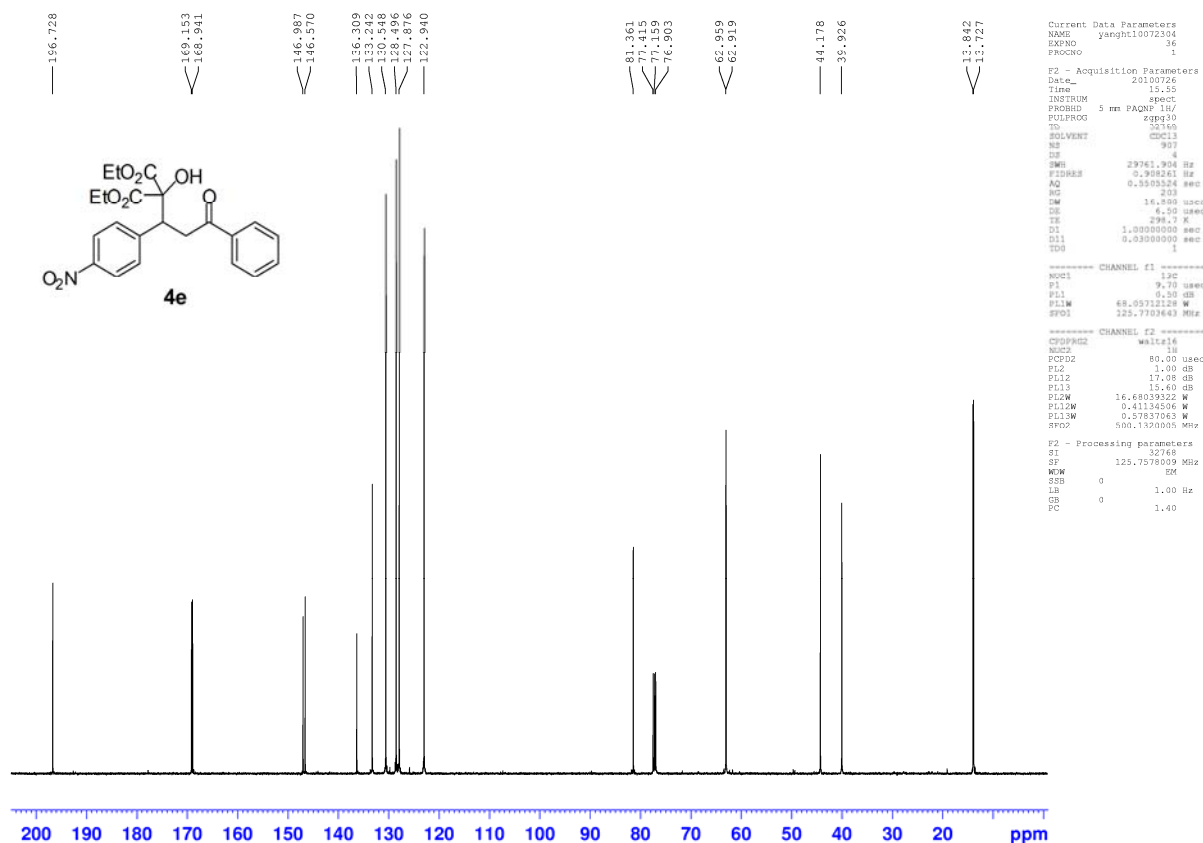
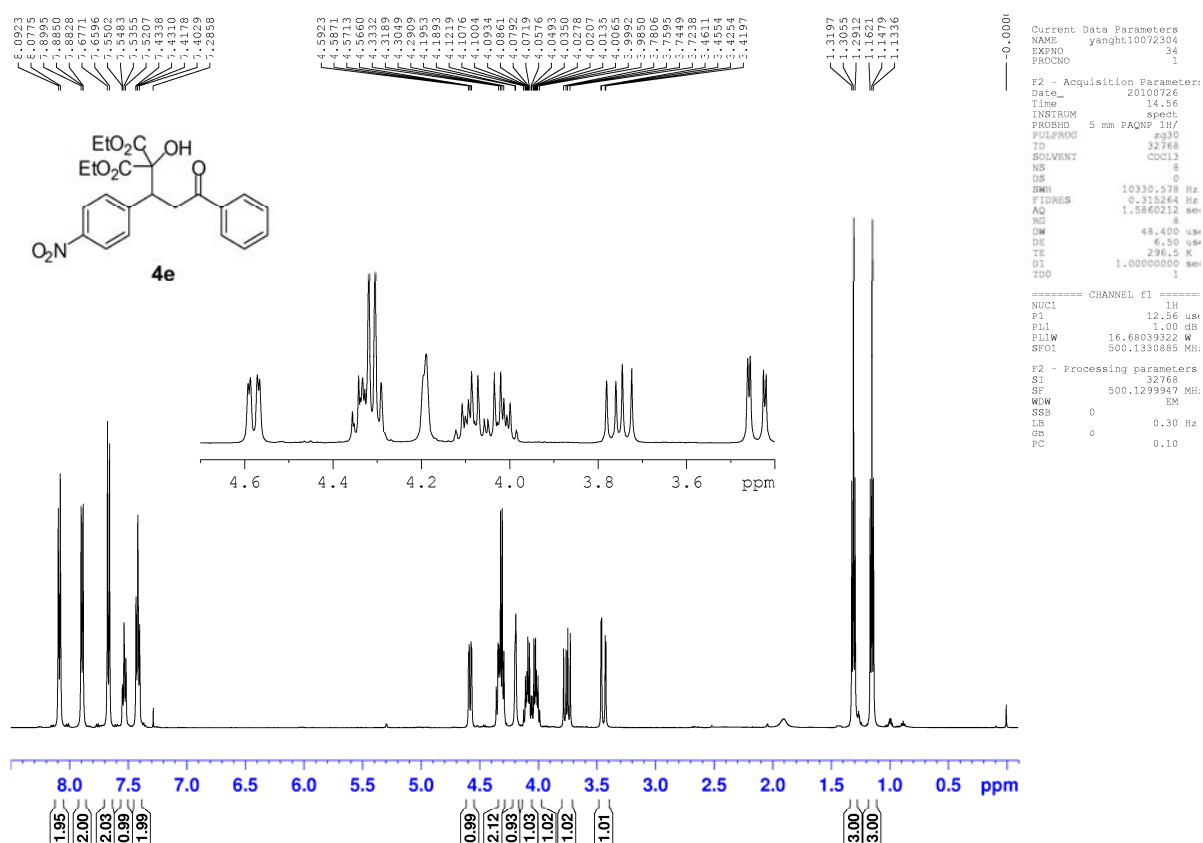


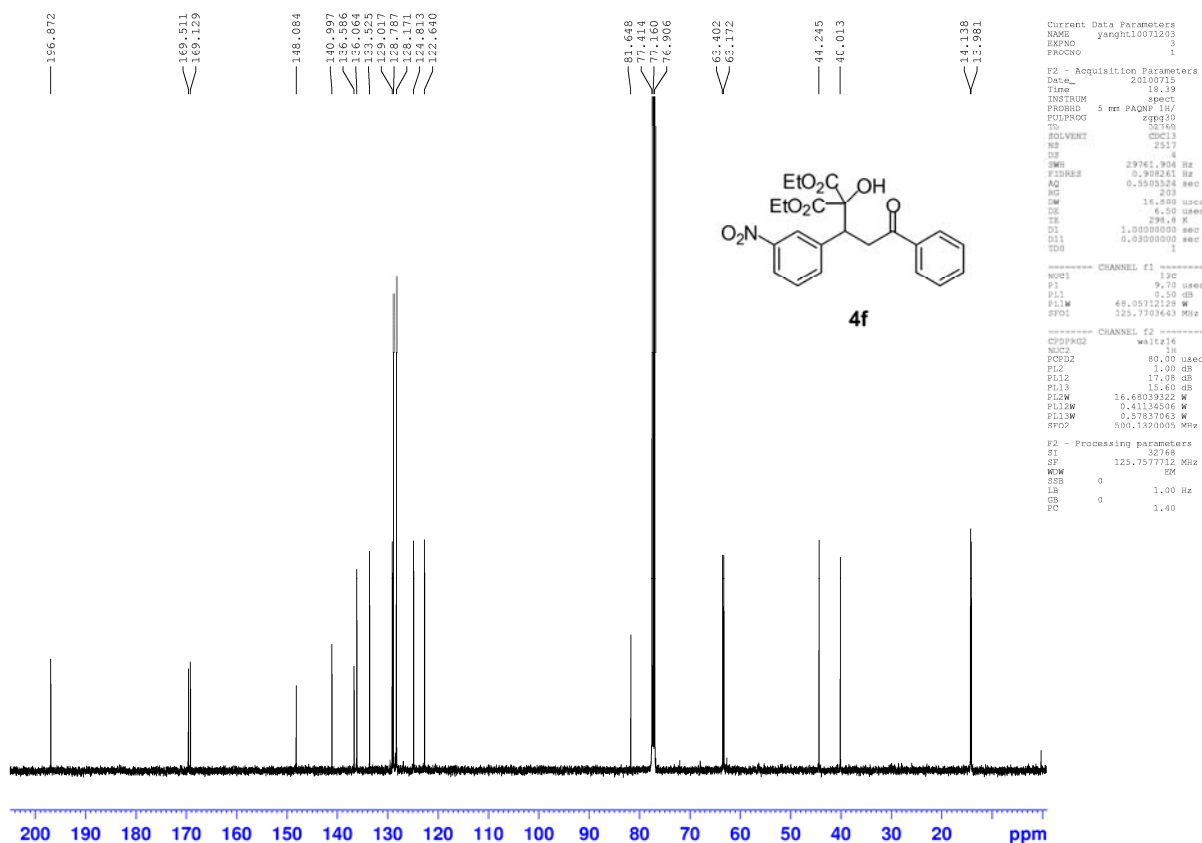
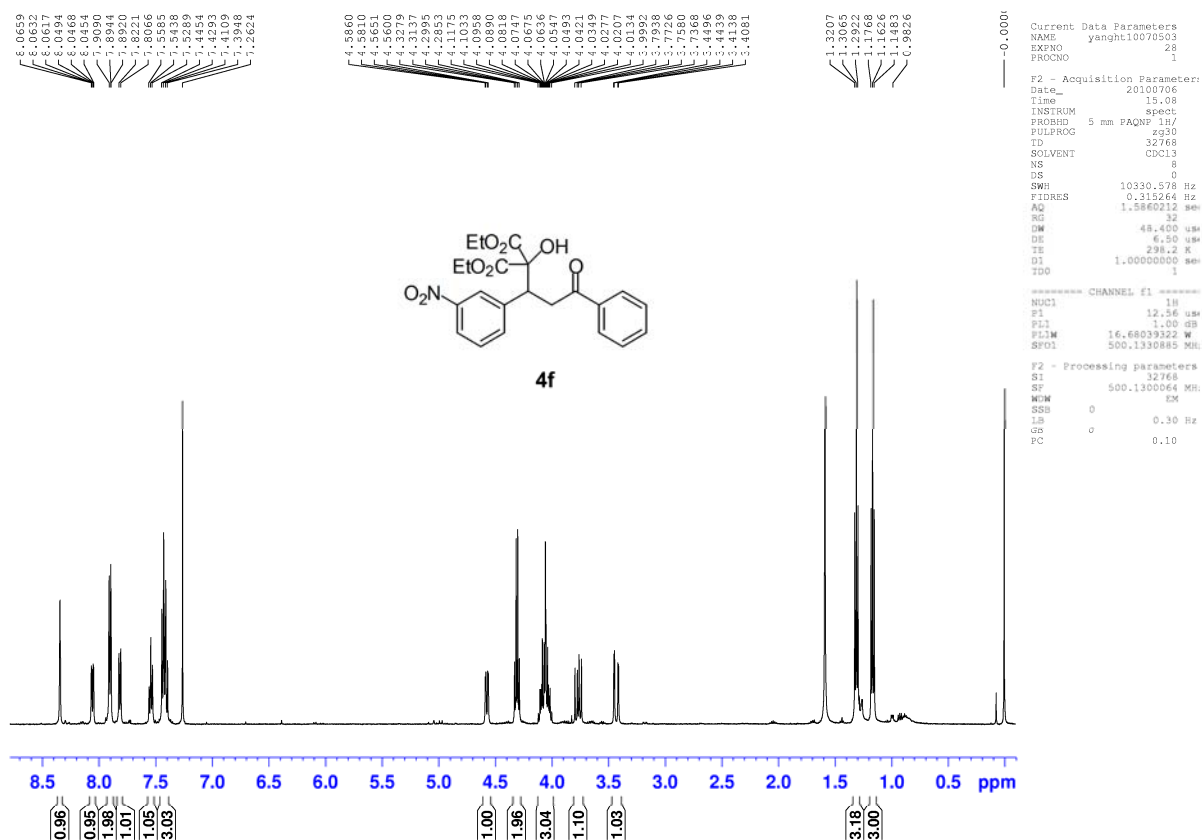


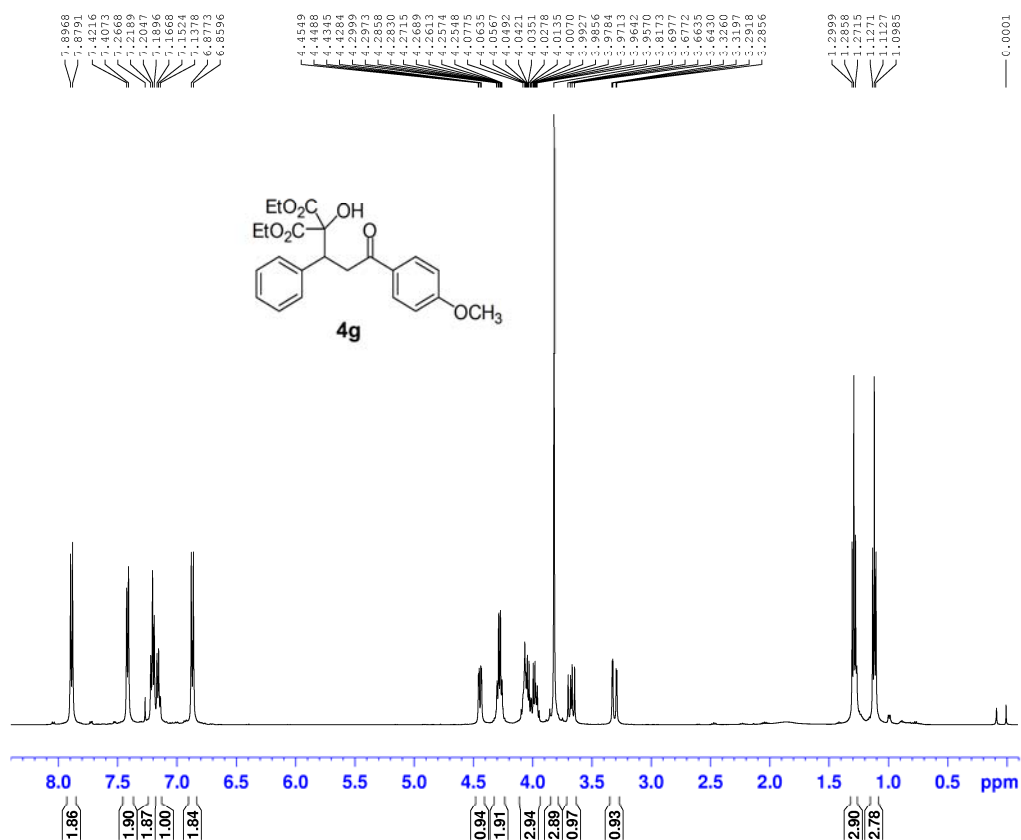










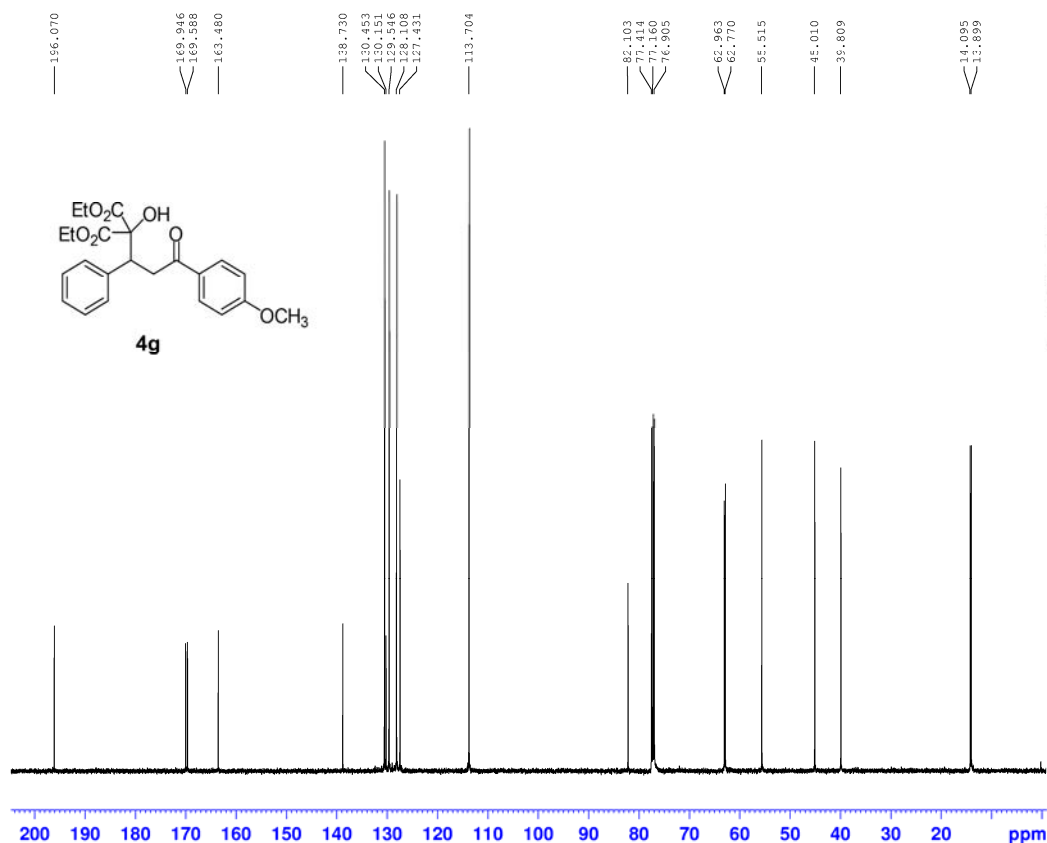


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NAME yanght10070502
EXPNO 27
PROCNO 1

F2 - Acquisition Parameters:
Date_ 20100706
Time 15.00
INSTRUM spect
PROBHD 5 mm PAQNP 1H/
PULPROG zg30
TD 32768
SOLVENT CDCl3
NS 8
DS 0
SWH 10330.578 Hz
FIDRES 0.315264 Hz
AQ 1.5860212 sec
RG 32
DM 48.400 usec
DE 6.50 usec
TE 298.0 K
D1 1.00000000 sec
TDO 1

===== CHANNEL f1 =====
NUC1 1H
P1 12.56 usec
PL1 0.00 dB
PL1W 16.68039322 W
SFO1 500.1330885 MHz

F2 - Processing parameters
SI 32768
SF 500.1300038 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 0.10



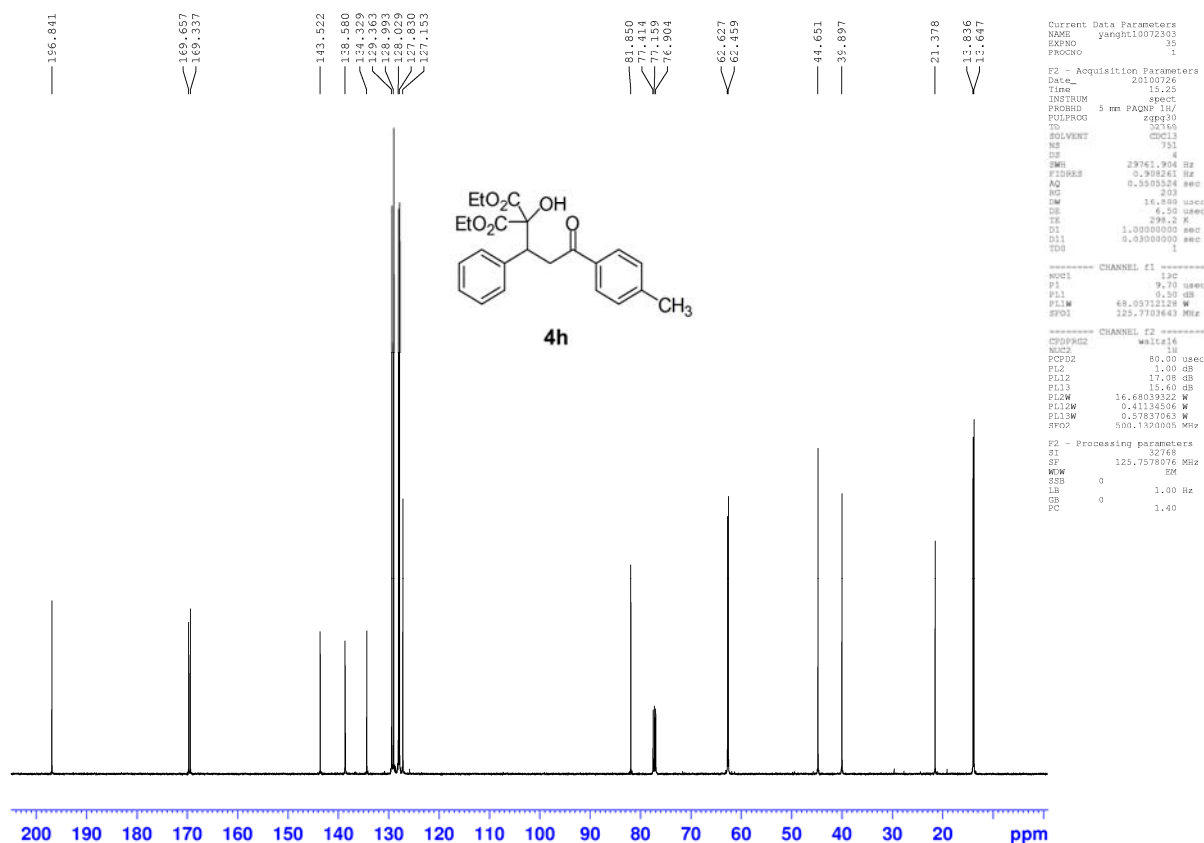
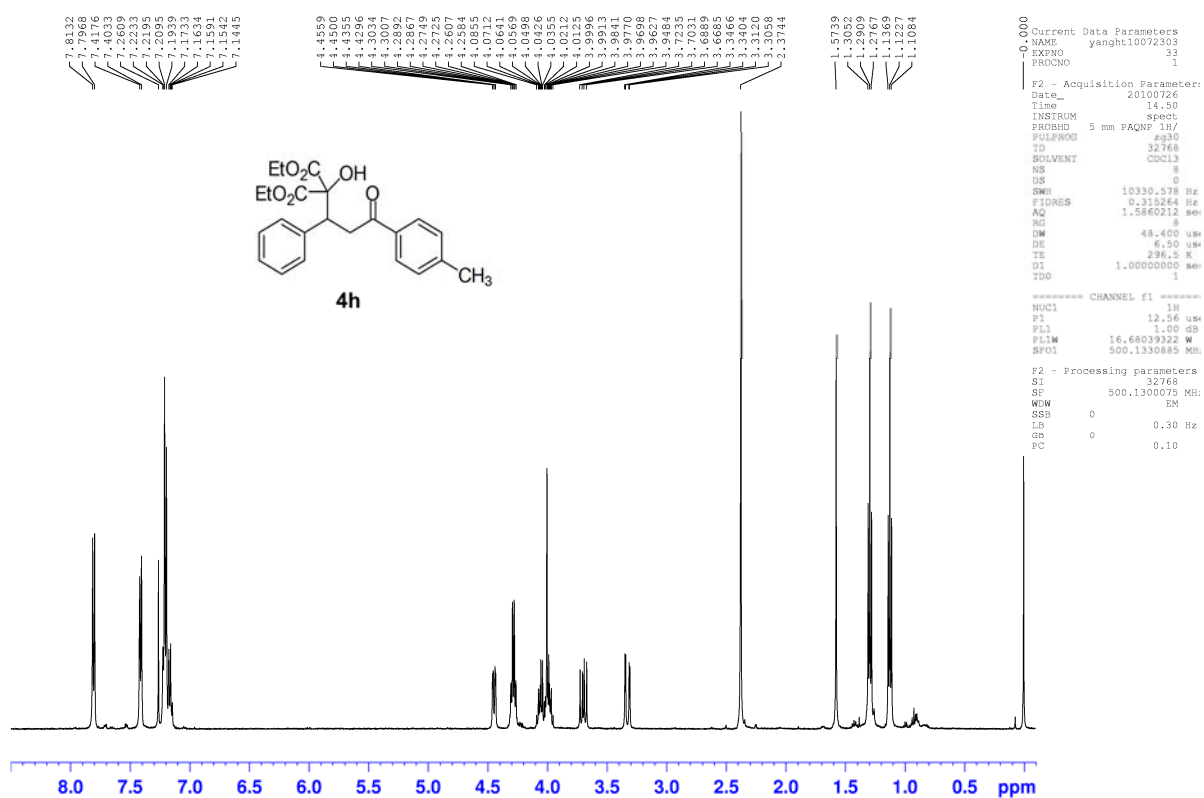
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NAME yanght10071202
EXPNO 2
PROCNO 1

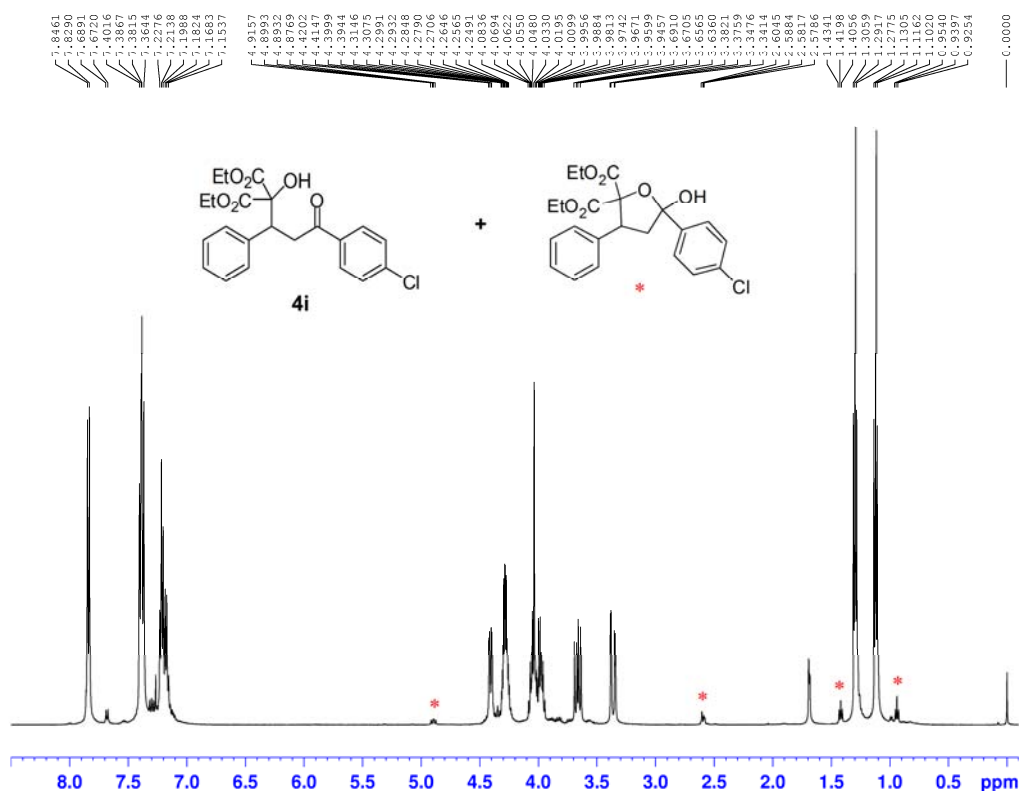
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Time 17.28
INSTRUM spect
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PULPROG zgpg30
TD 32768
SOLVENT CDCl3
NS 1983
DS 4
SWH 29761.904 Hz
FIDRES 0.908261 Hz
AQ 0.5505524 sec
RG 203
DM 16.800 usec
DE 4.50 usec
TE 299.4 K
D1 1.00000000 sec
D11 0.03000000 sec
TDO 1

===== CHANNEL f1 =====
NUC1 13C
P1 9.70 usec
PL1 0.00 dB
PL1W 68.05712128 W
SFO1 125.7703463 MHz

===== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 1H
PCPD2 80.00 usec
P2 1.00 dB
PL12 17.09 dB
PL13 15.60 dB
PL2W 16.68039322 W
PL12W 0.41134504 W
PL13W 0.37837063 W
SFO2 500.1320005 MHz

F2 - Processing parameters
SI 65536
SF 125.7577768 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40



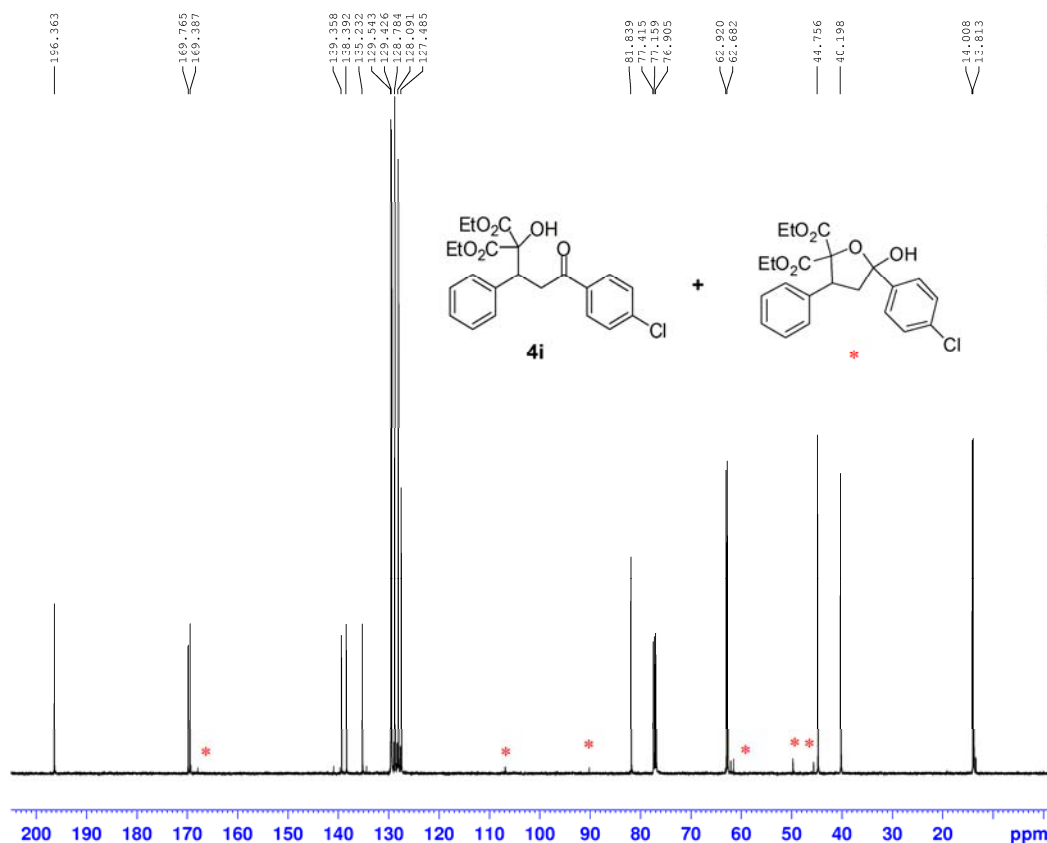


Current Data Parameters
NAME yanght10072604
EXPNO 46
PROCNO 1

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Time 19.43
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PULPROG zg30
TD 32768
SOLVENT CDCl3
NS 8
DS 0
SWH 10330.578 Hz
FIDRES 0.315264 Hz
AQ 1.5860212 sec
RG 48.400 usec
DE 6.50 usec
TE 298.0 K
D1 1.00000000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 1H
P1 12.56 usec
PL1 0.00 dB
PL1W 16.68039322 W
SFO1 500.1330885 MHz

F2 - Processing parameters
SI 500.1300053 MHz
SF 500.1300053 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 0.10



Current Data Parameters
NAME yanght10072604
EXPNO 47
PROCNO 1

F2 - Acquisition Parameters:
Date_ 20100728
Time 20.23
INSTRUM spect
PROBHD 5 mm PAQNP 1H/
PULPROG zgpg30
TD 32768
SOLVENT CDCl3
NS 1127
DS 4
SWH 29761.904 Hz
FIDRES 0.908261 Hz
AQ 0.550524 sec
RG 203
DE 16.800 usec
TE 299.4 K
D1 1.00000000 sec
D11 0.03000000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 13C
P1 9.70 usec
PL1 0.00 dB
PL1W 68.95712128 W
SFO1 125.7703463 MHz

===== CHANNEL f2 =====
CPDPRG2 waltz16
NUC2 13C
PCPD2 80.00 usec
P2 1.00 dB
PL12 17.08 dB
PL13 15.40 dB
PL2W 16.68039322 W
PL12W 0.41134596 W
PL13W 0.37837063 W
SFO2 500.1320005 MHz

F2 - Processing parameters
SI 125.7577870 MHz
SF 125.7577870 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40

