

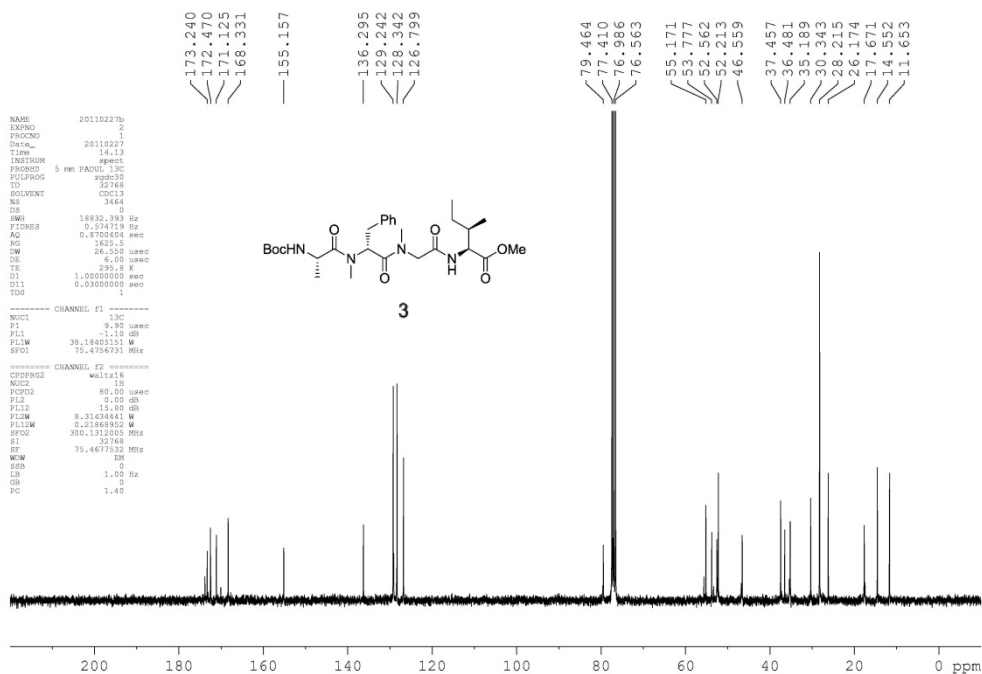
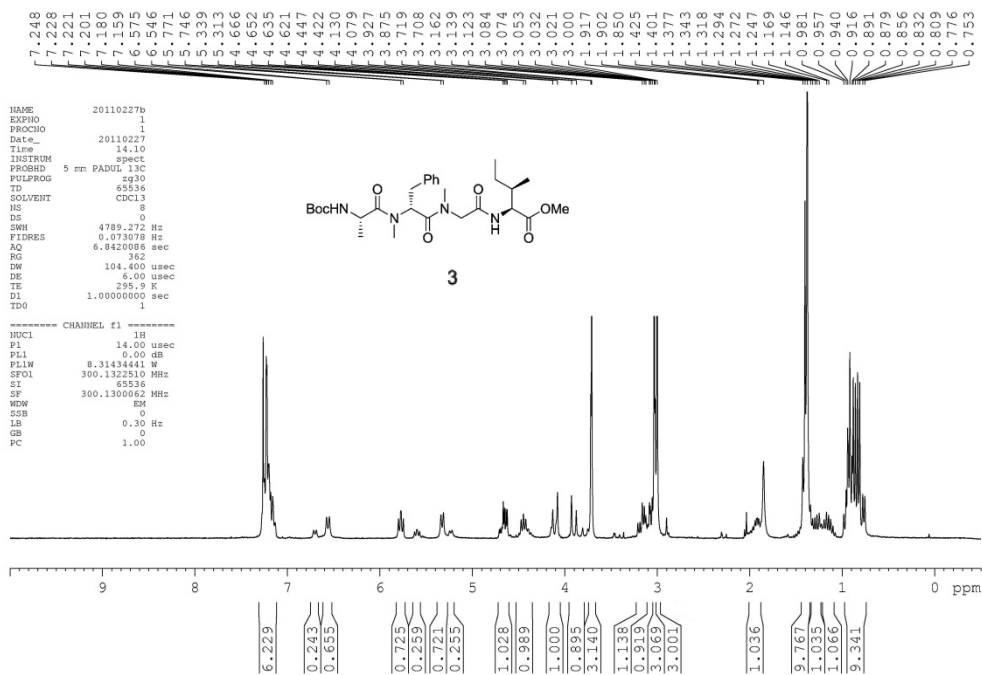
Total Synthesis and Stereochemical Revision of Lagunamide A

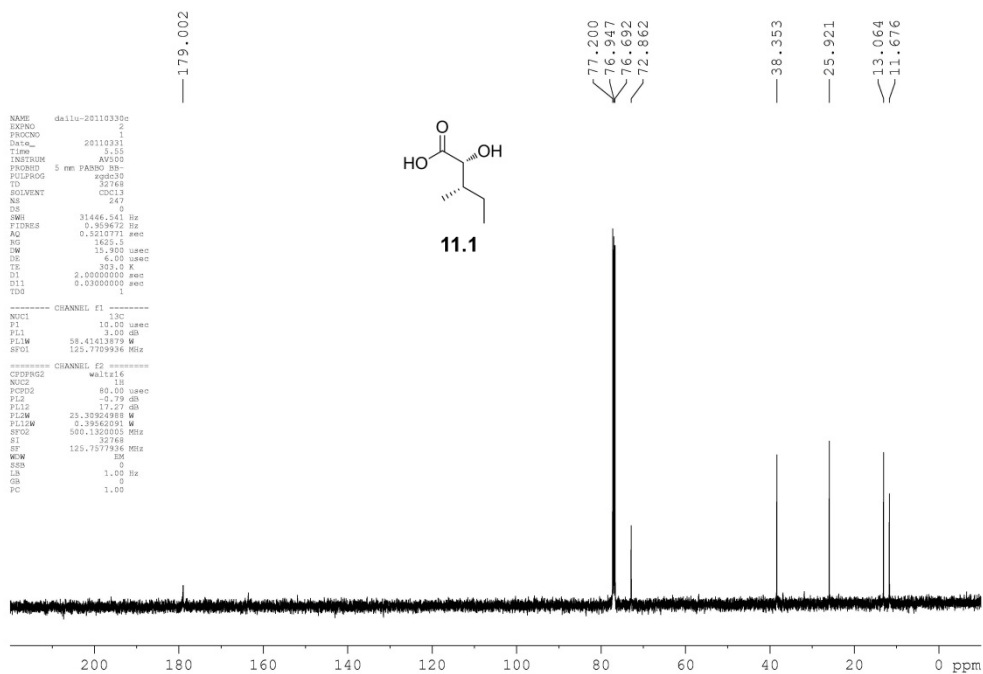
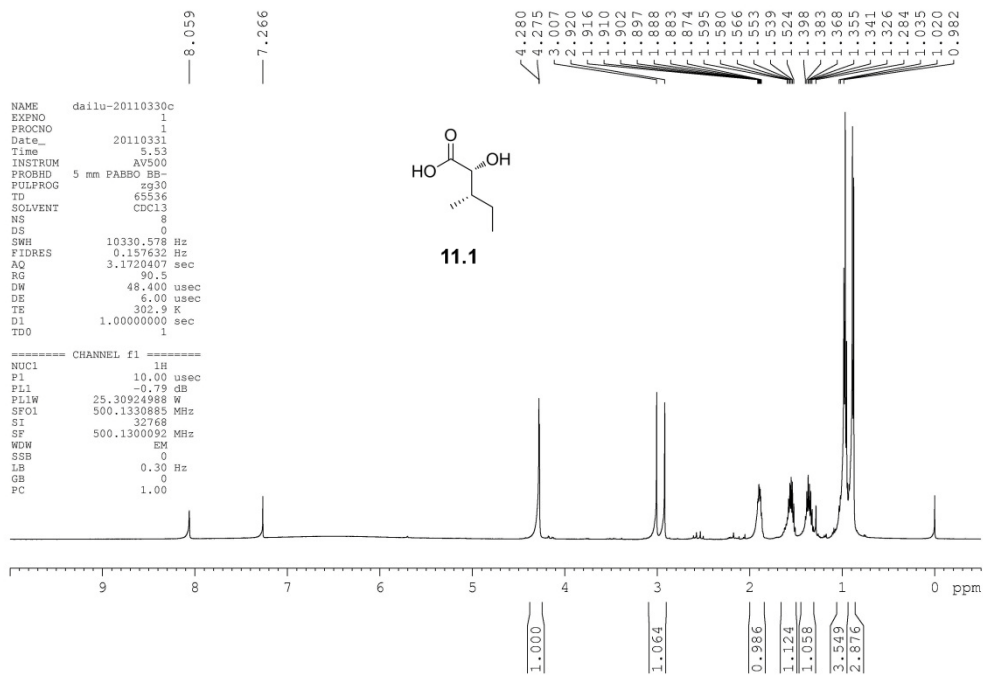
Lu Dai,^aBo Chen,^aZhuo Wang,^bYuqing Liu,^b Zhengshuang Xu,^{* a,b}Tao Ye^{*a,b}

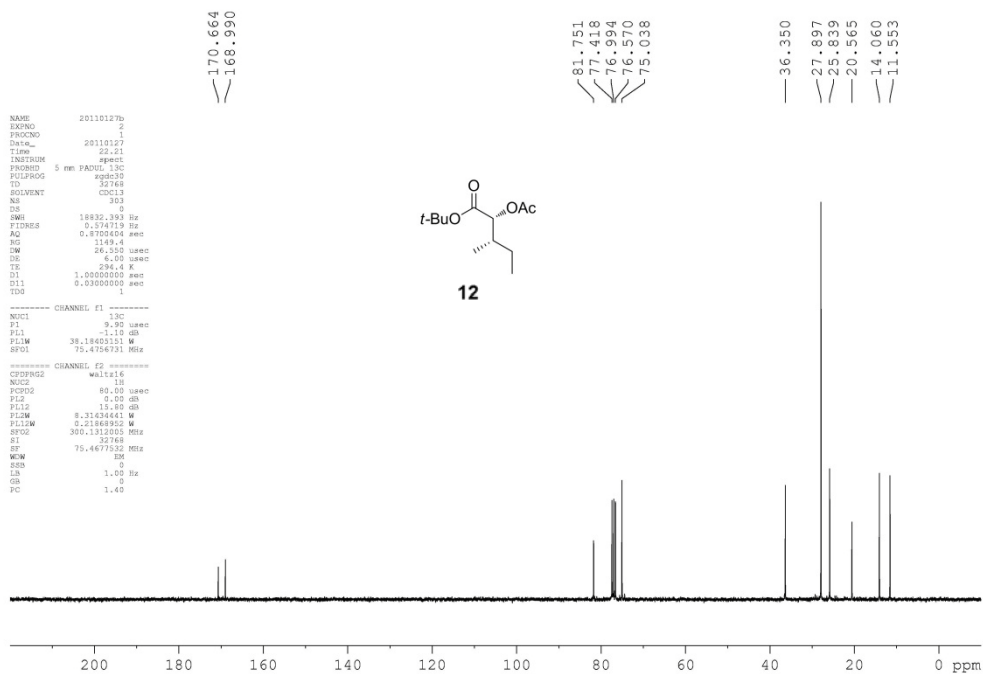
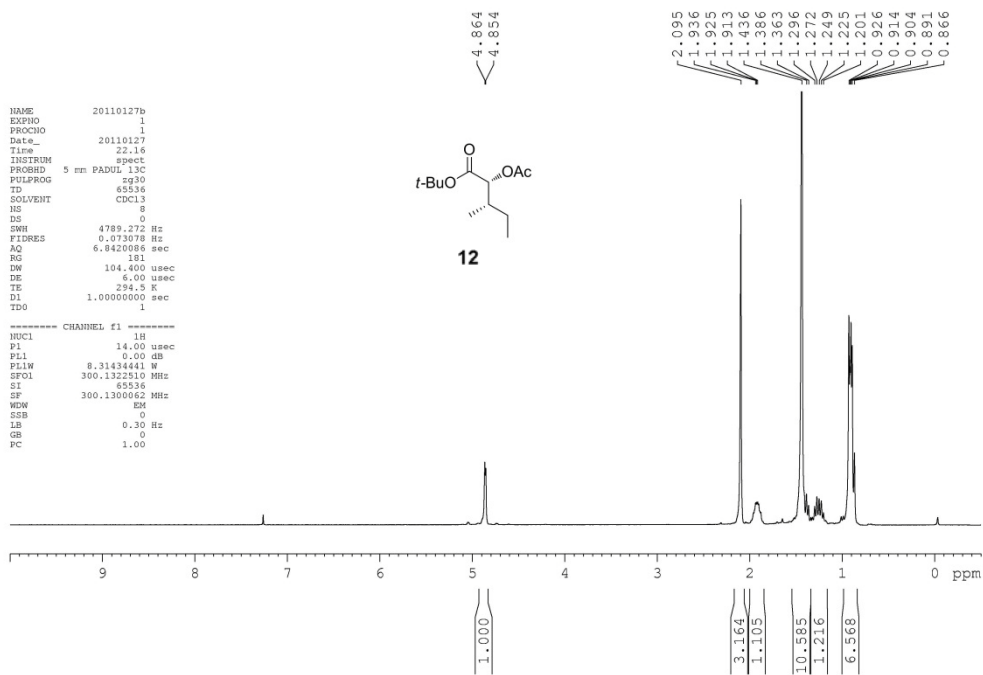
^aKey Laboratory of Chemical Genomics, Peking University Shenzhen Graduate School, University Town of Shenzhen, Xili, Nanshan District, Shenzhen, China, 518055; E-mail: bctaoye@inet.polyu.edu.hk; xuzs@pkusz.edu.cn

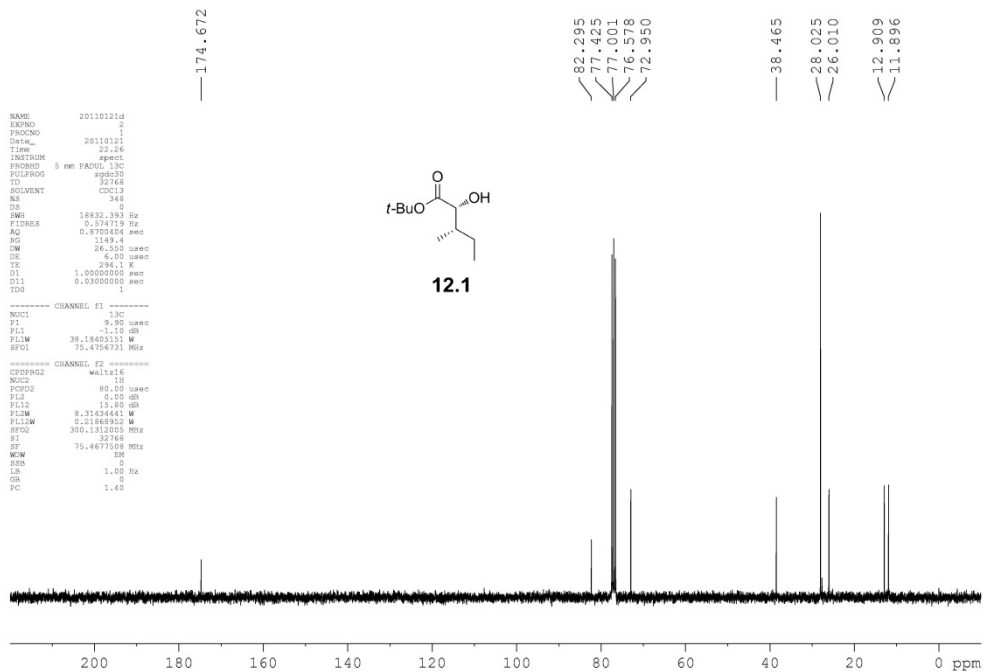
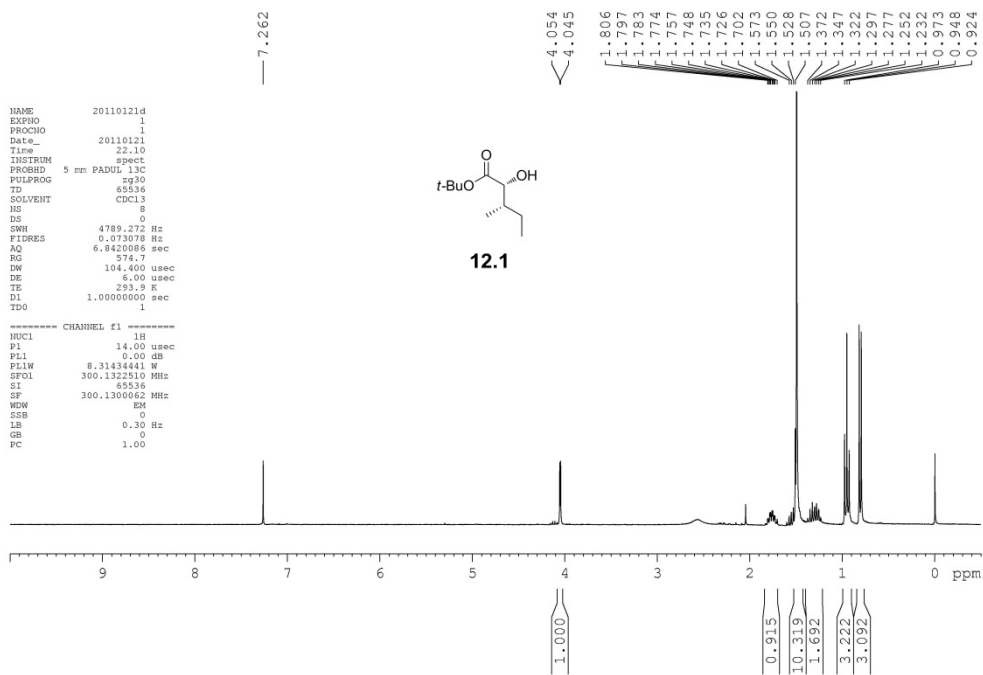
^bDepartment of Applied Biology & Chemical Technology, The Hong Kong Polytechnic University, Hung Hom, Kowloon, Hong Kong, China Tel: +852 34008722; E-mail: bctaoye@inet.polyu.edu.hk

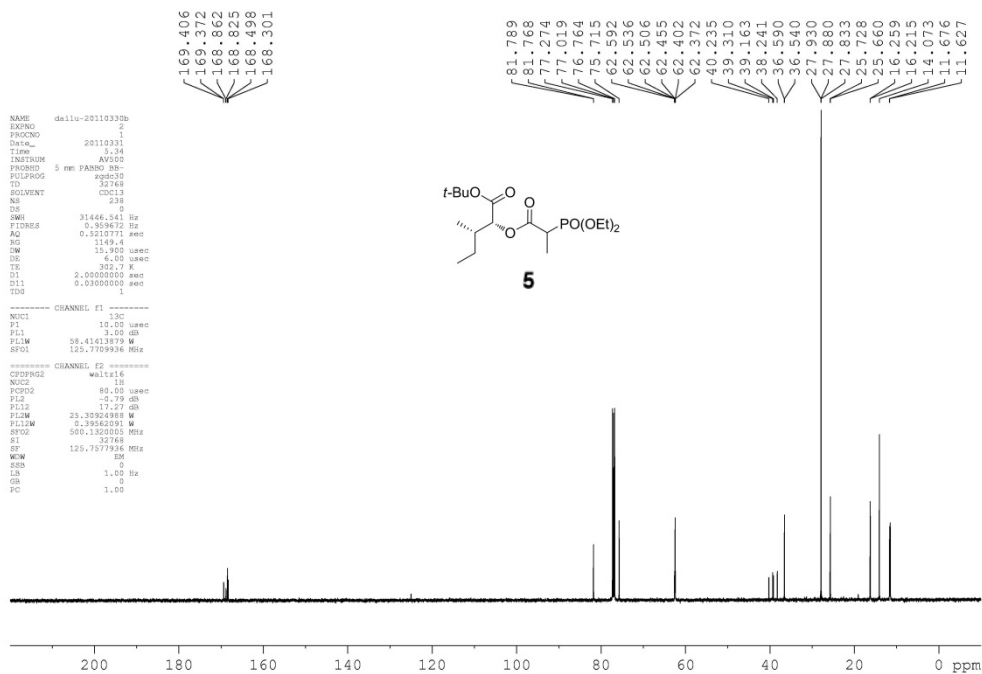
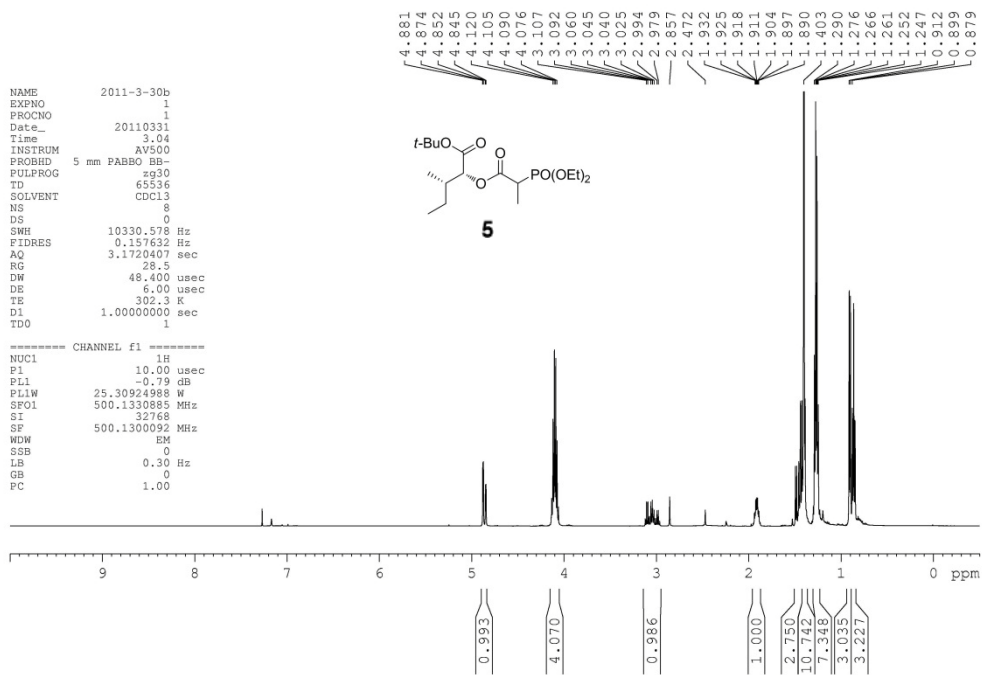
Spectra for key intermediates and final products

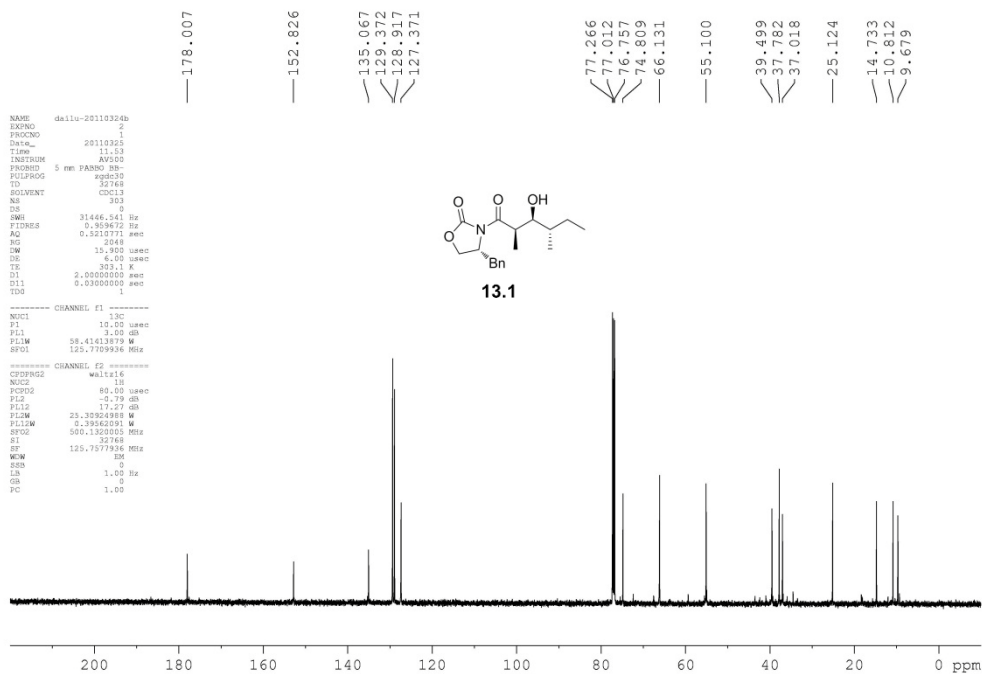
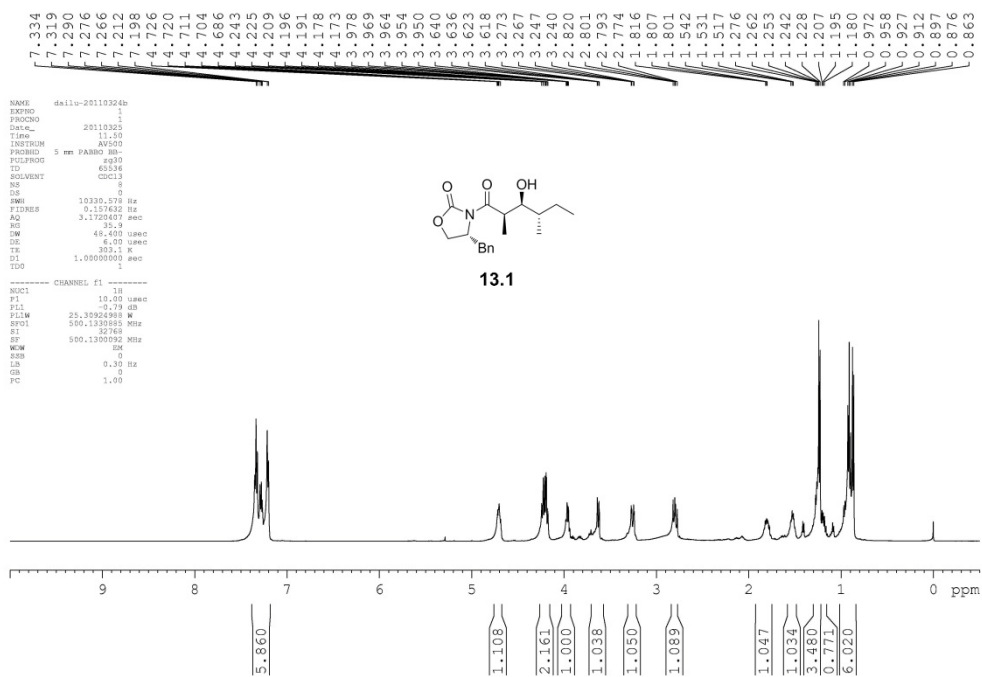


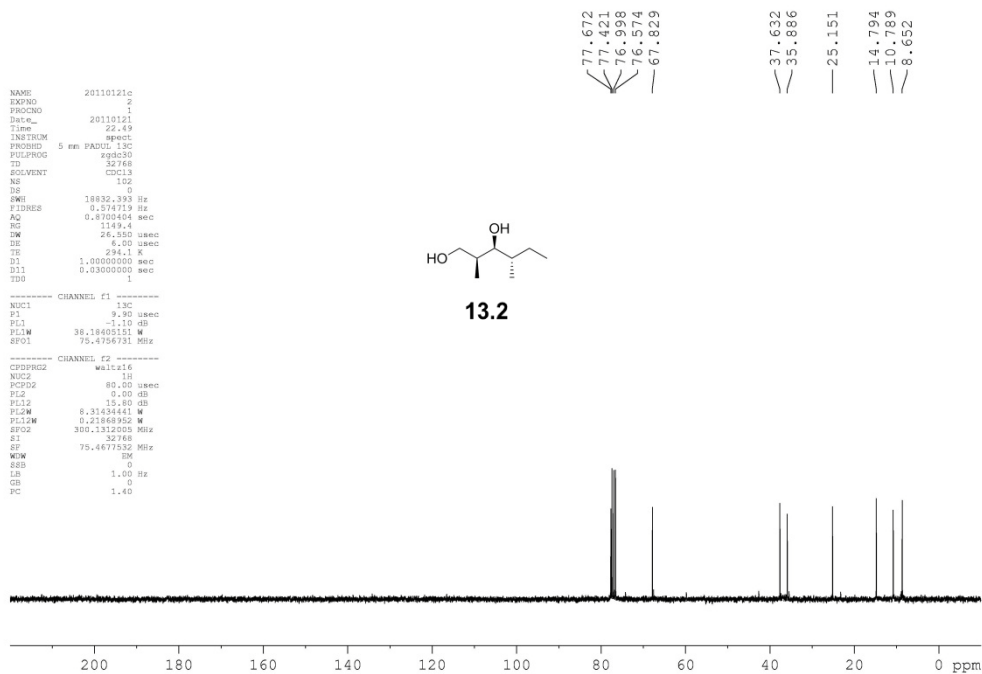
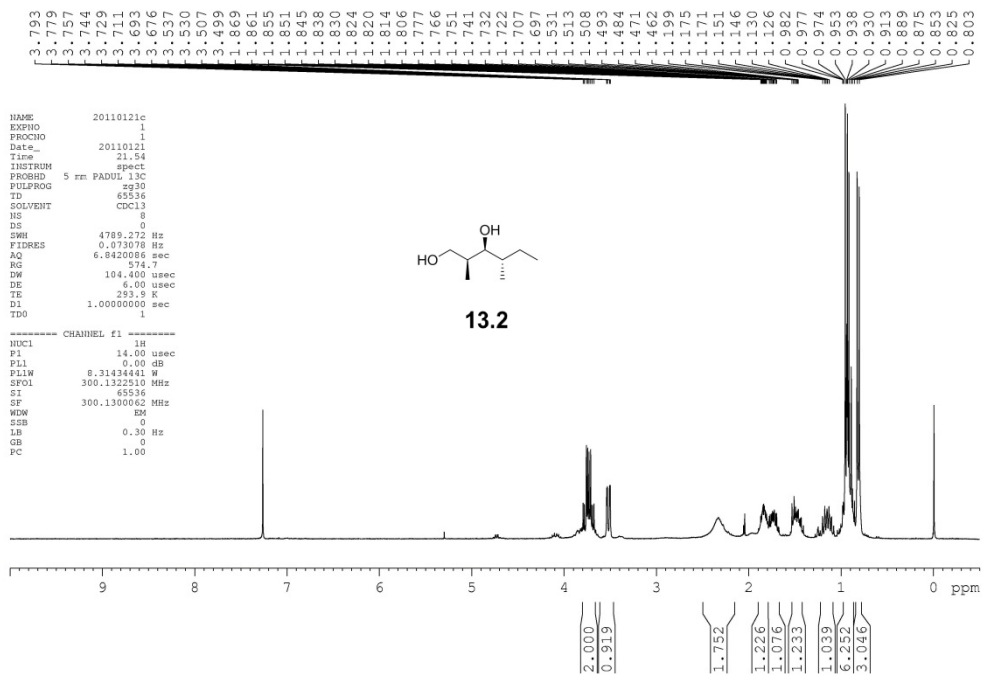


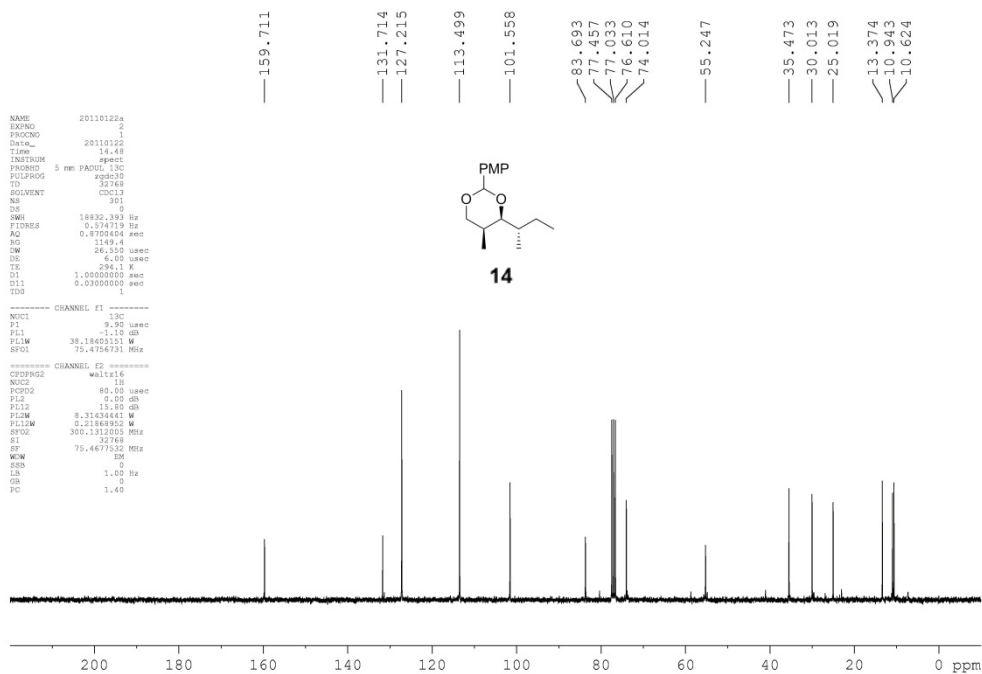
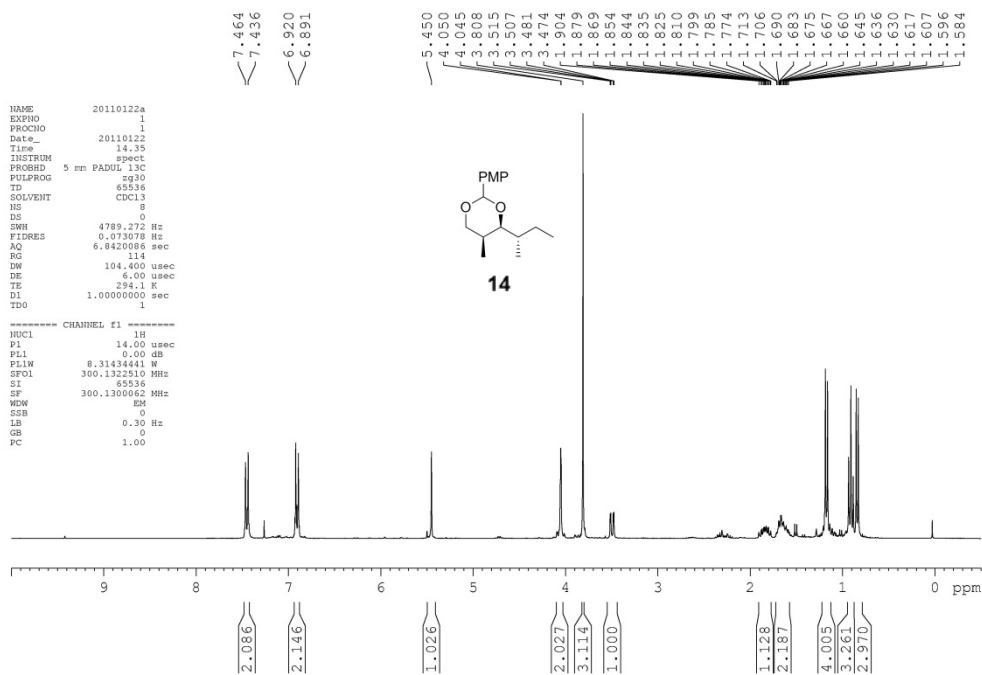


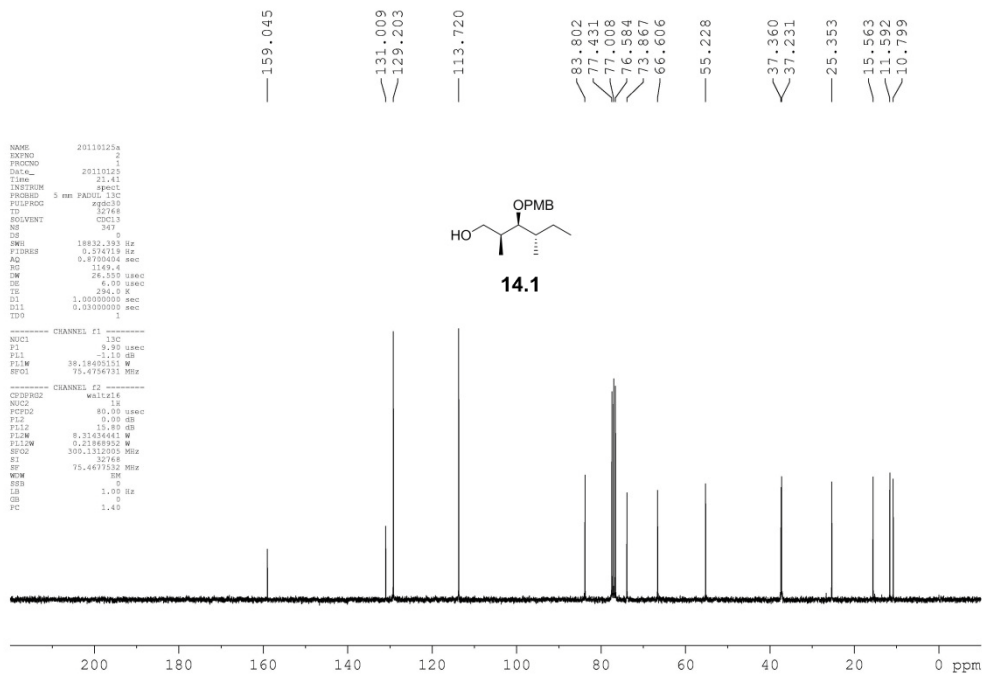
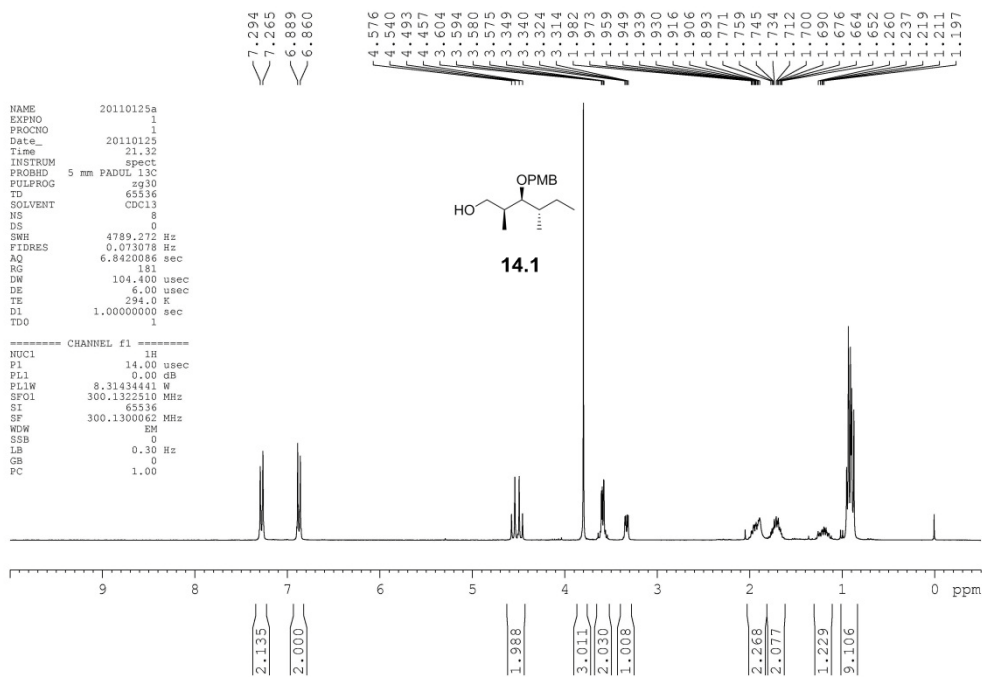


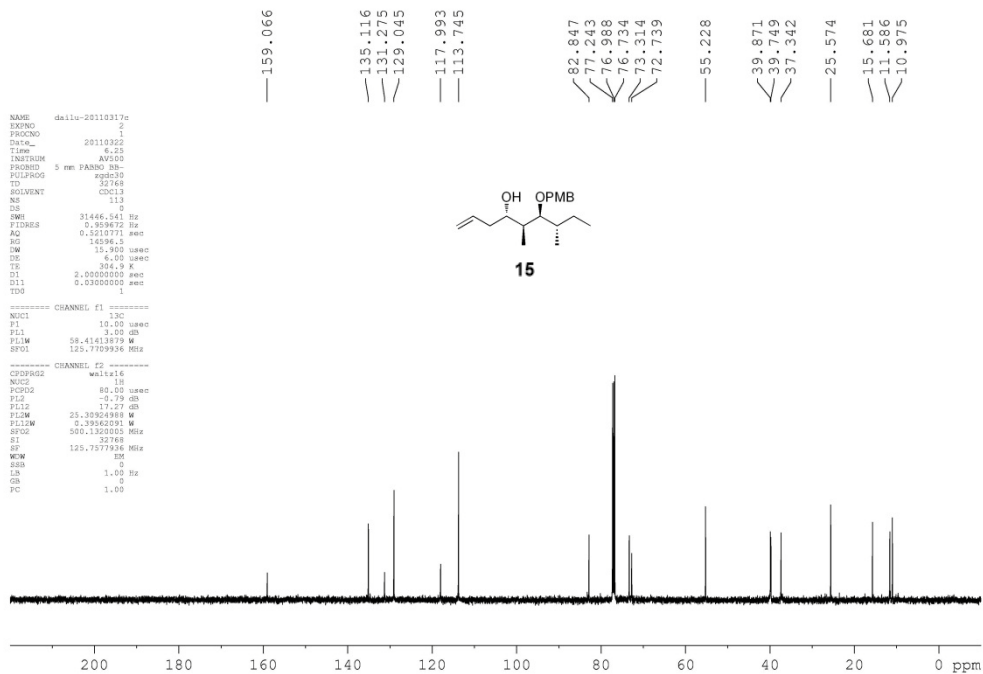
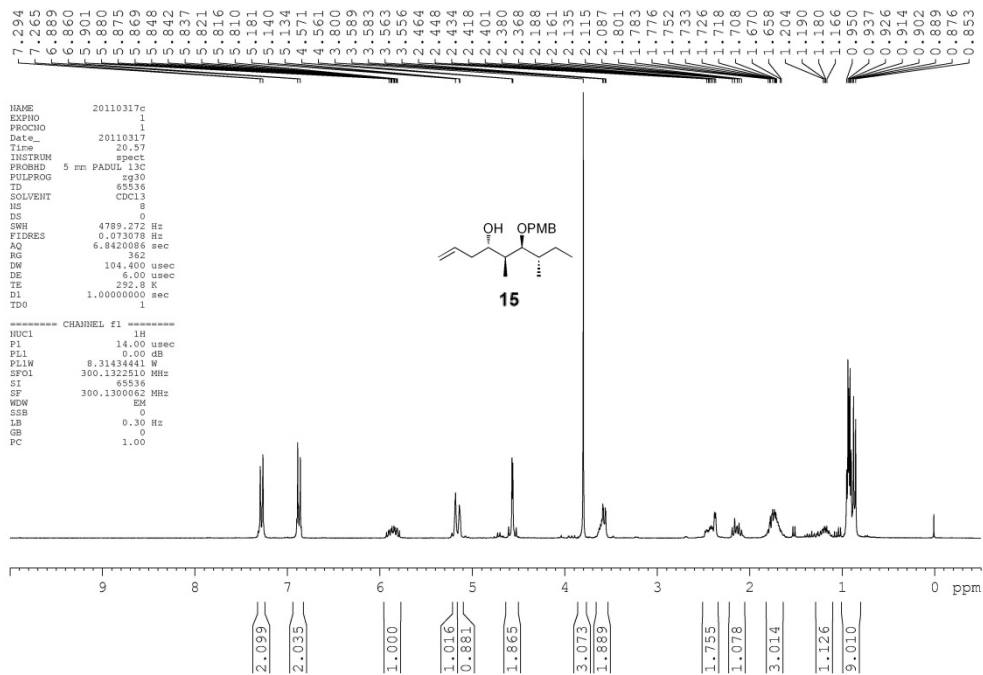


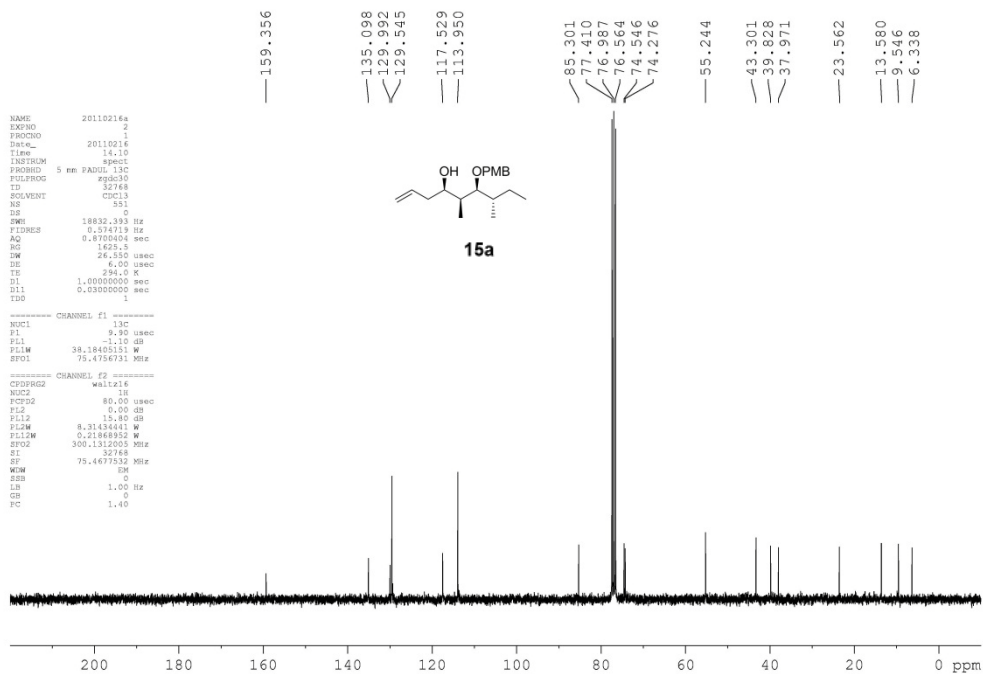
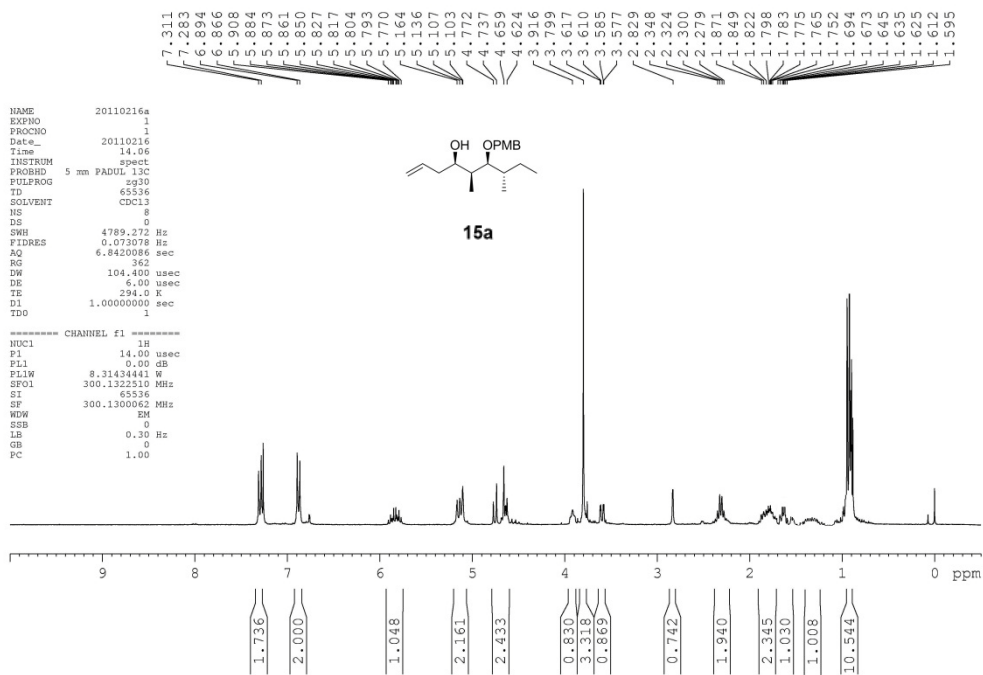


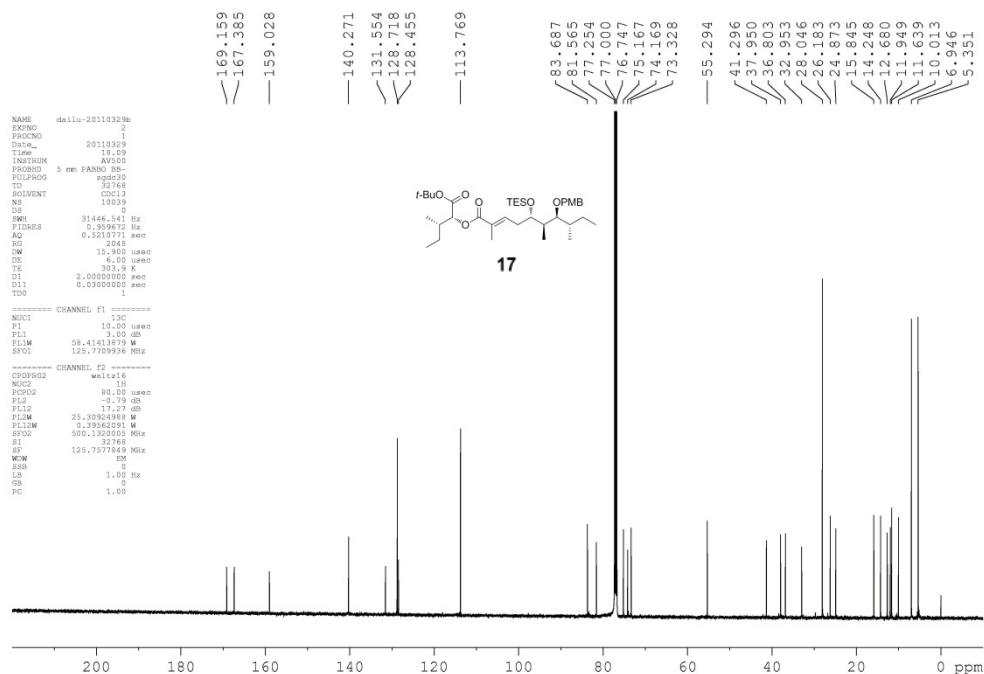
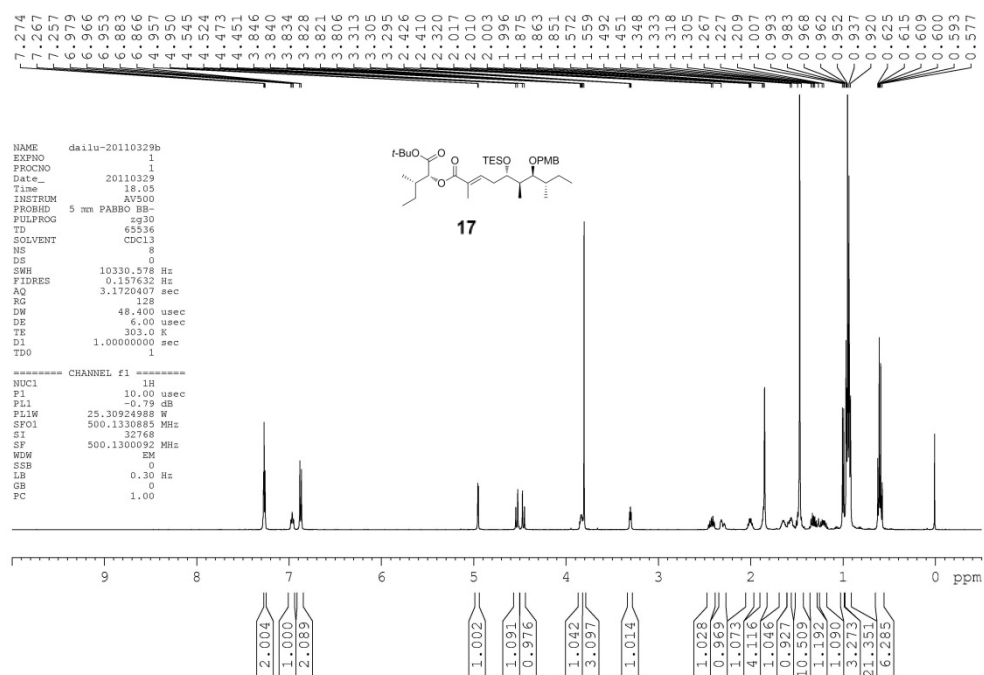


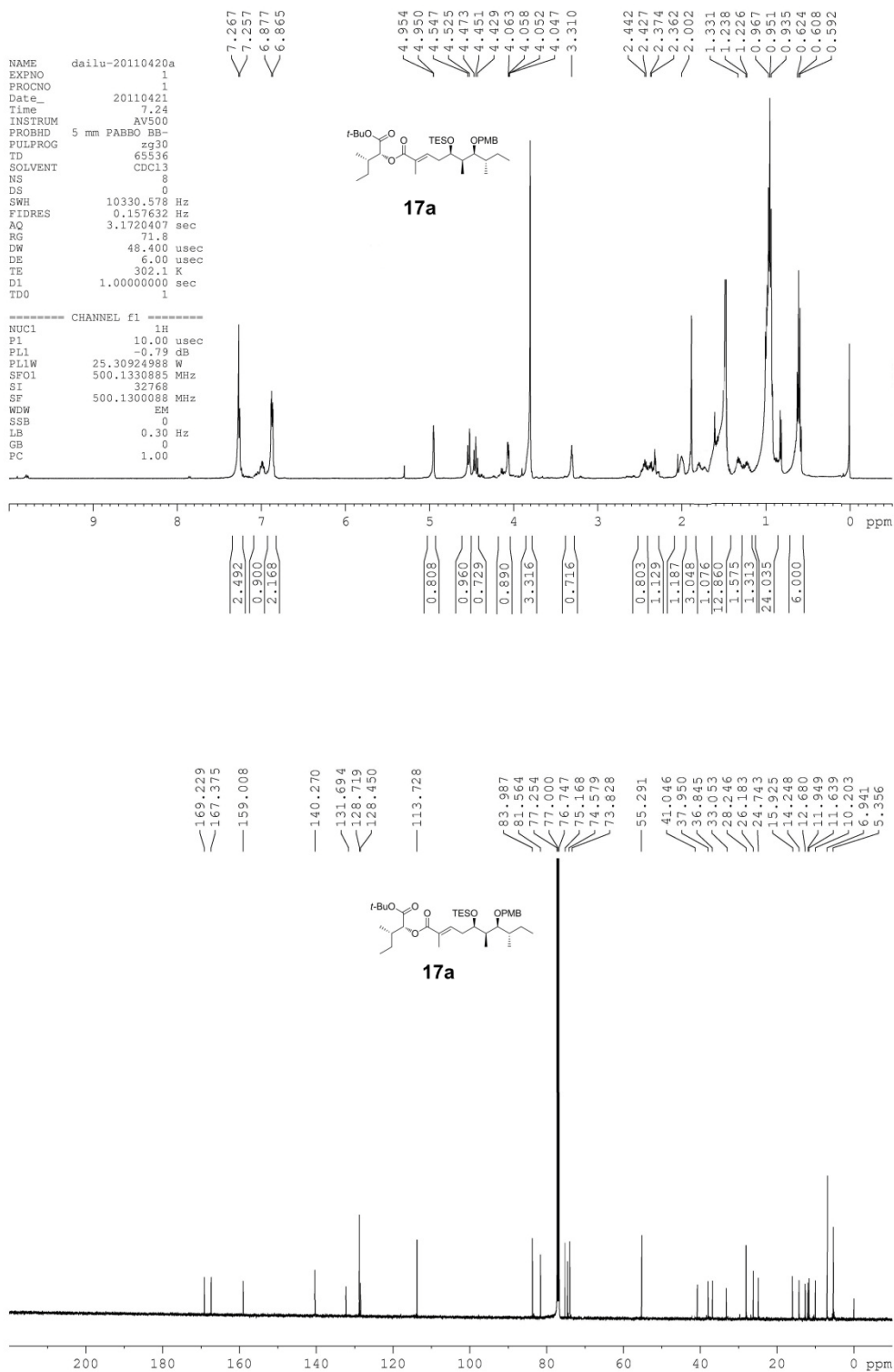


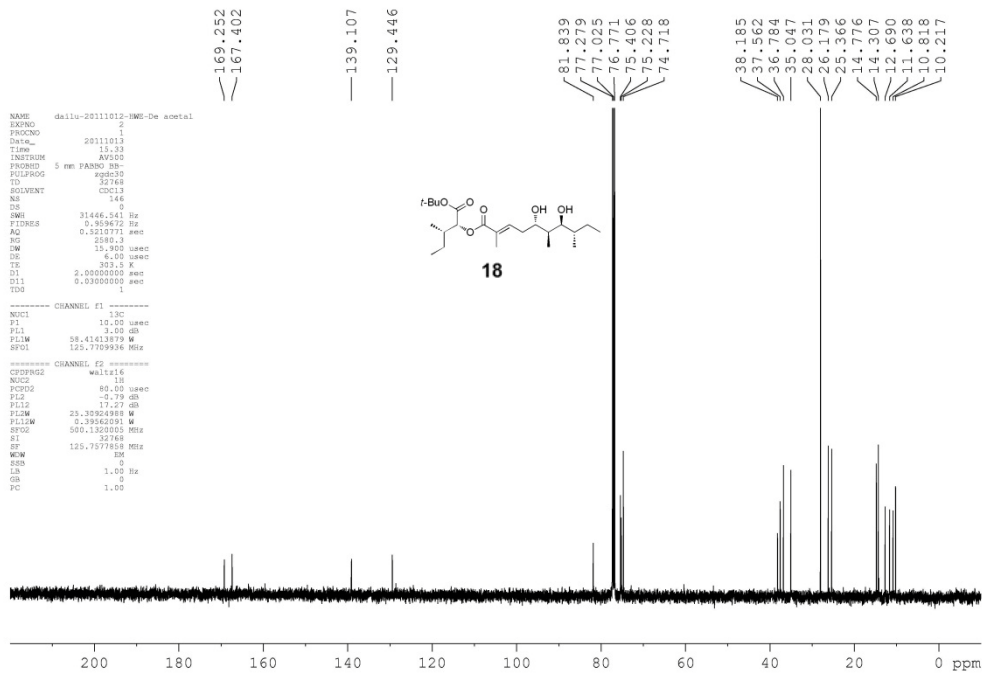
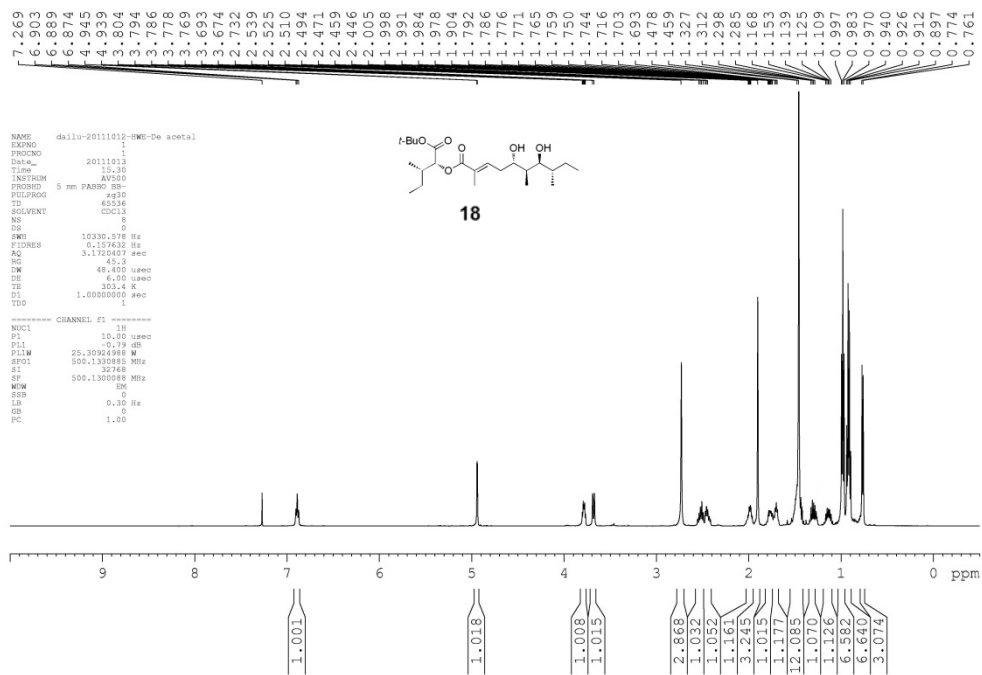


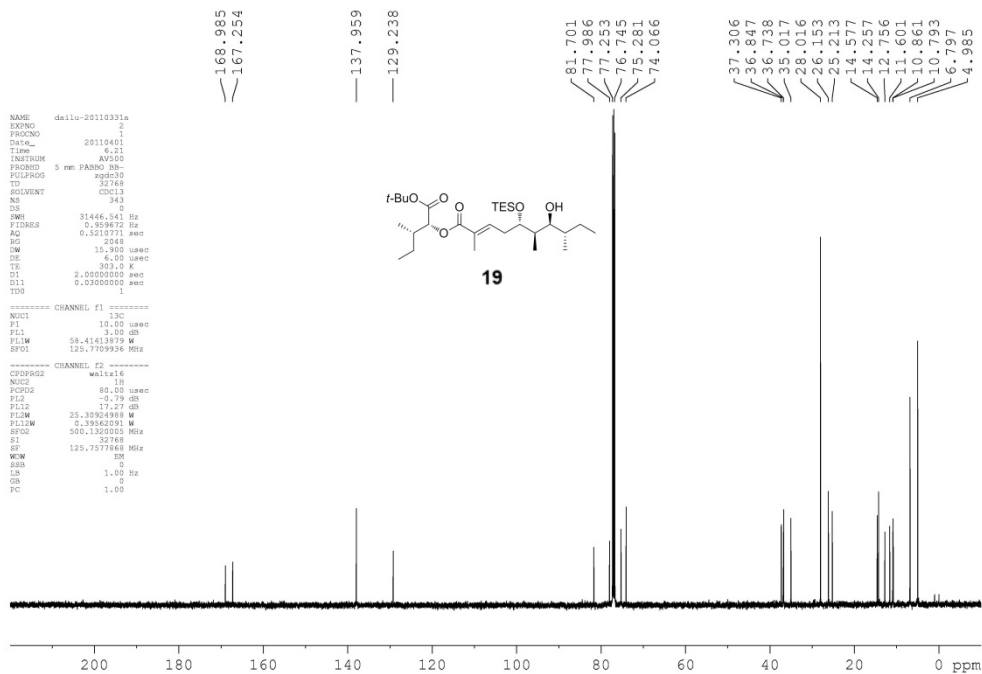
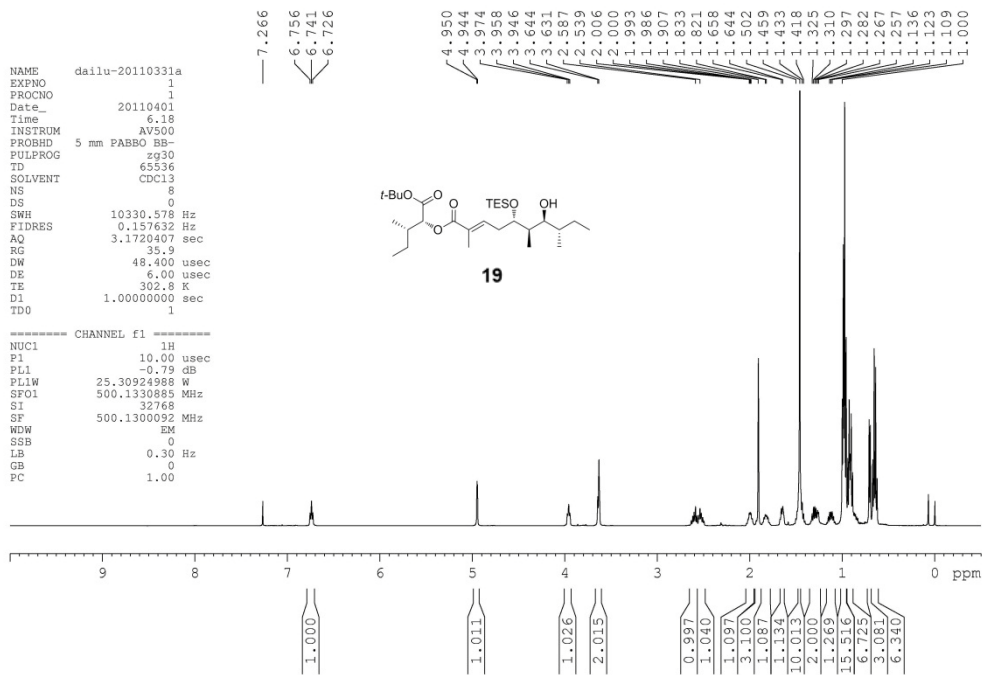


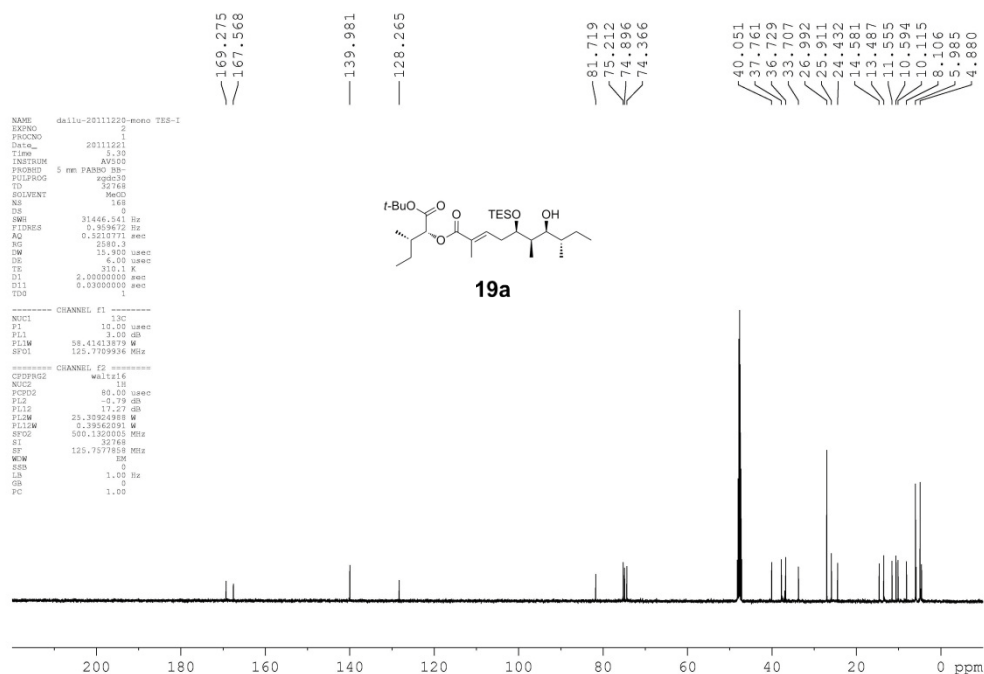
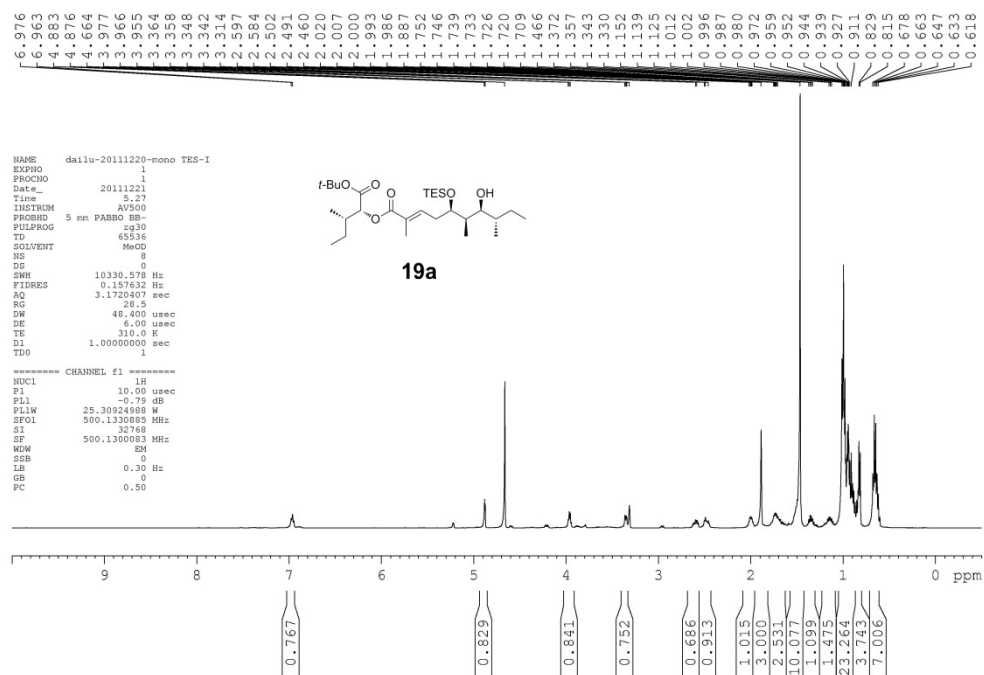


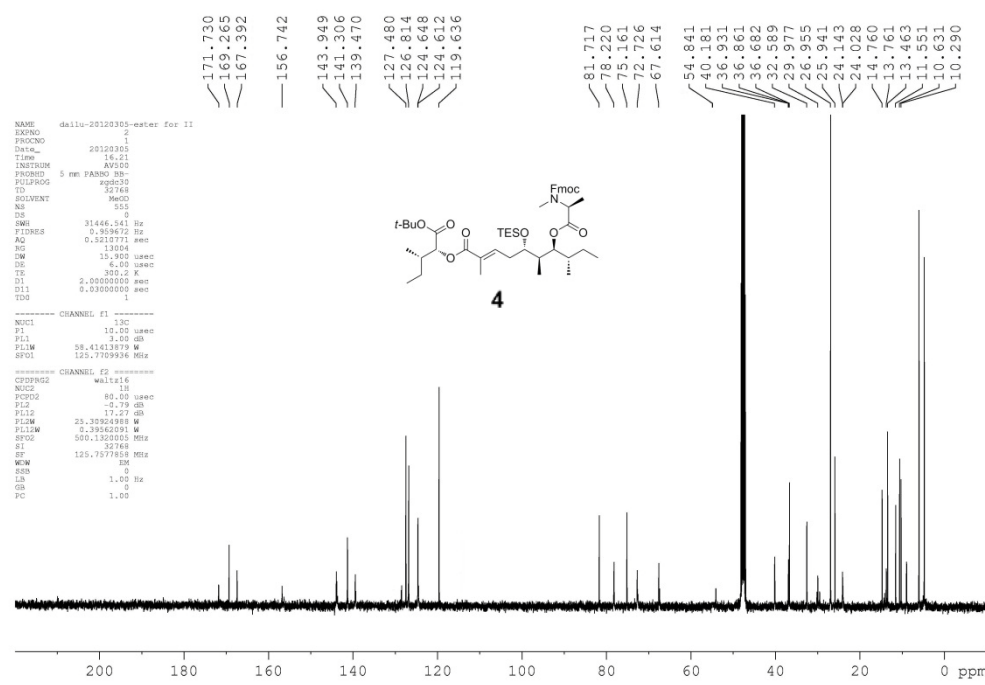
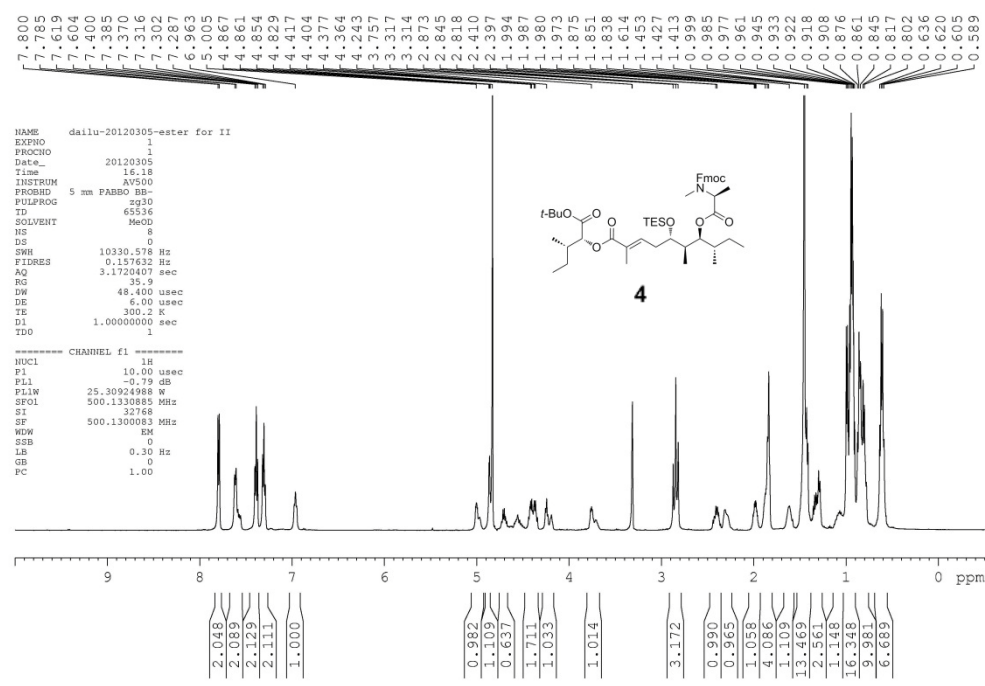


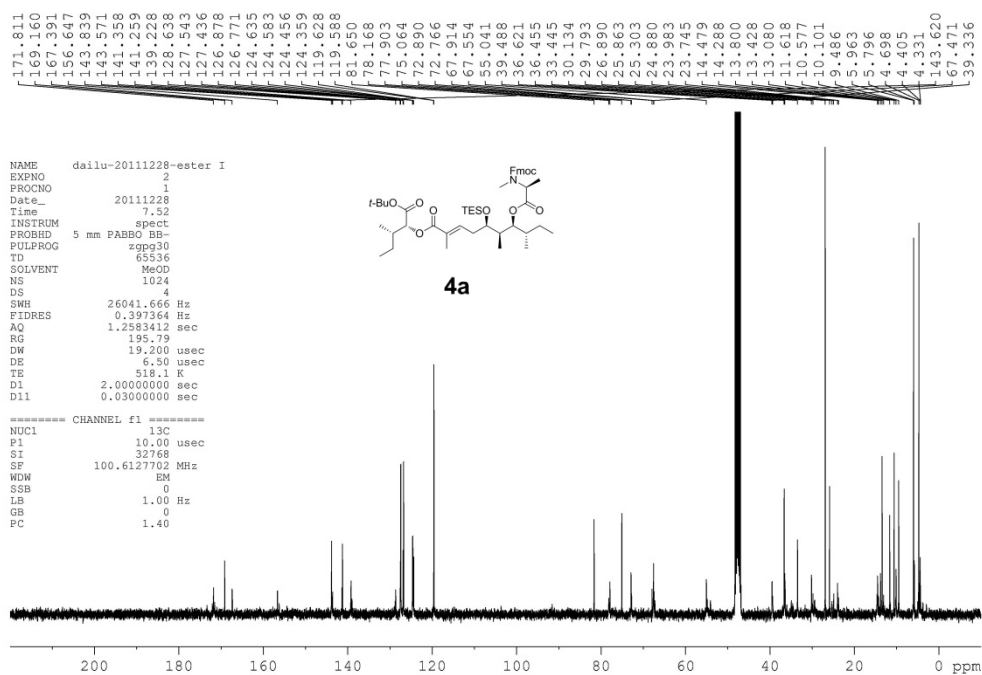


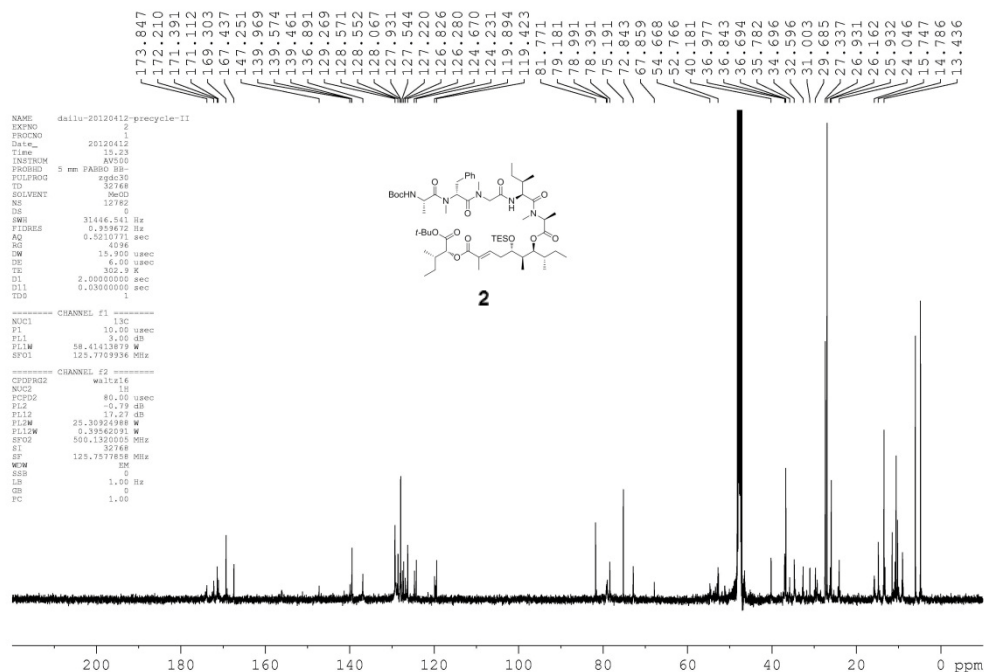
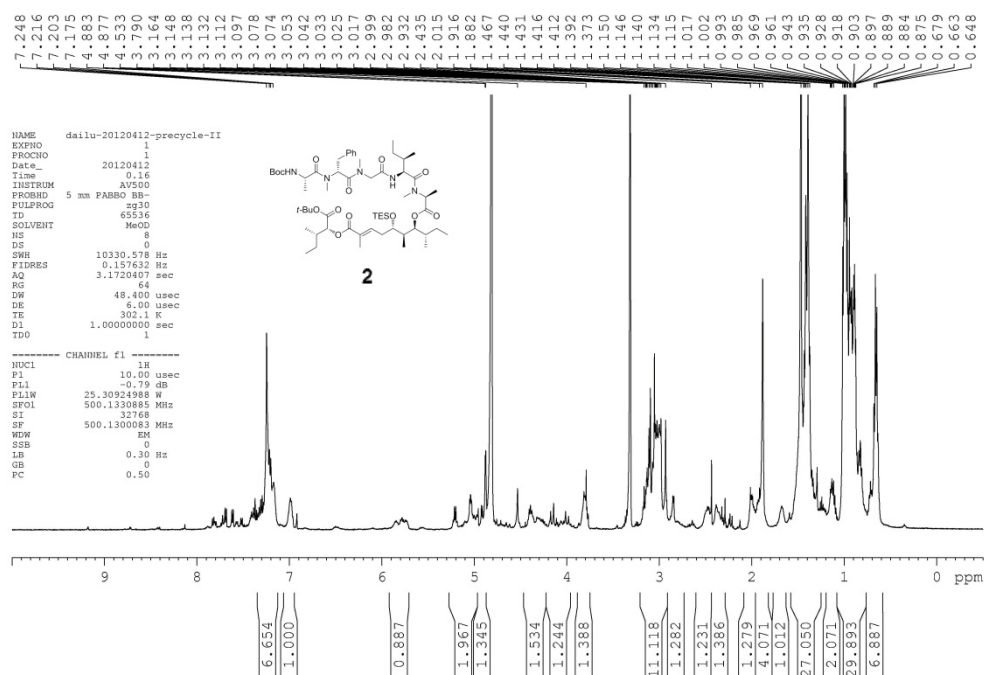


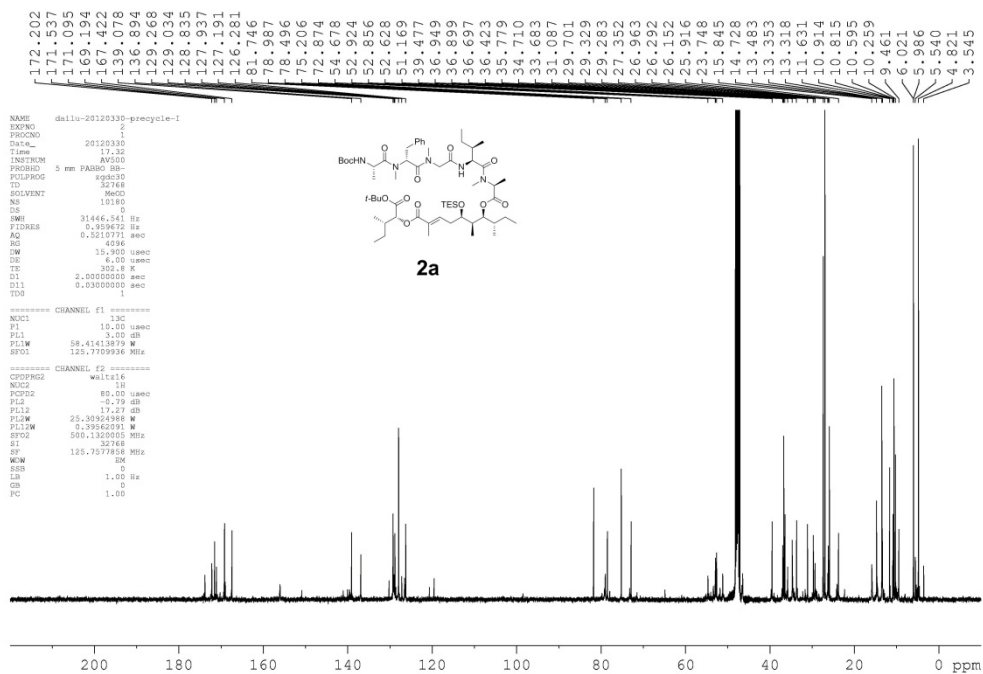
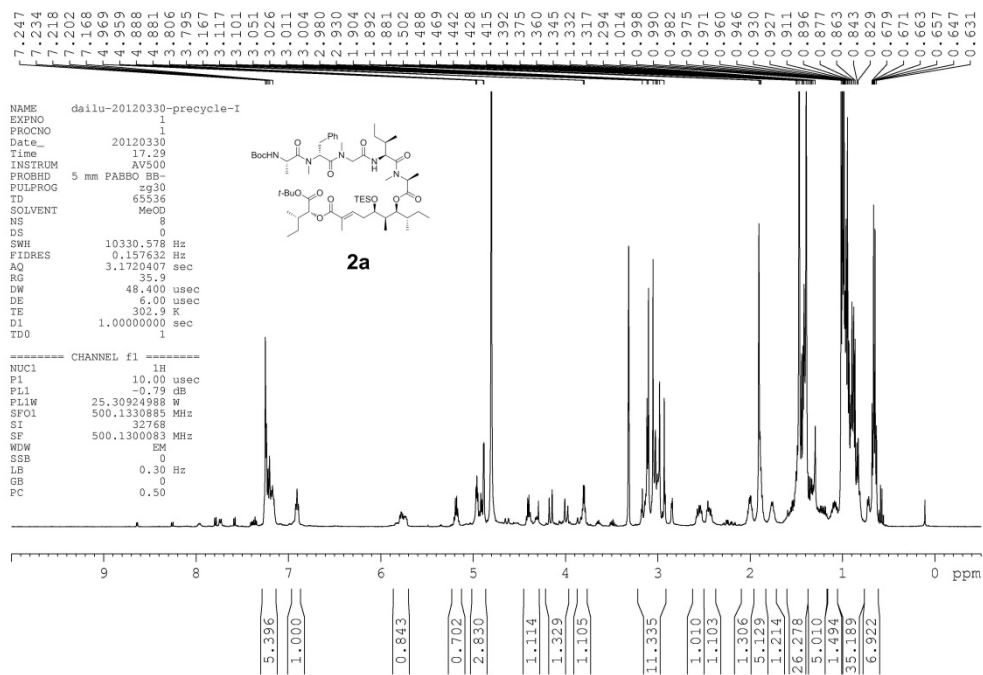


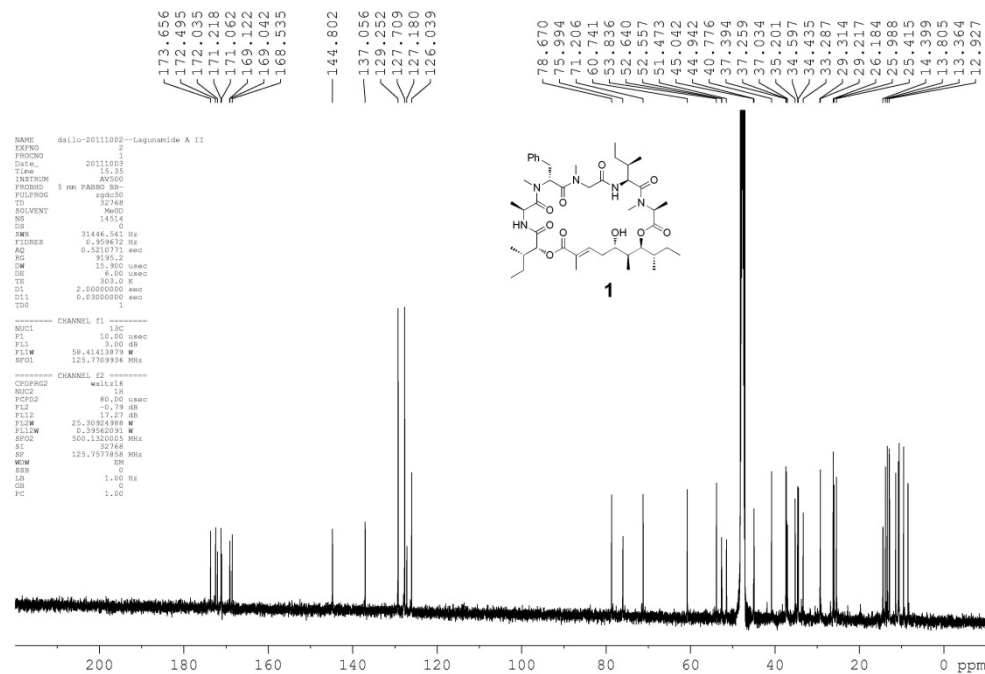
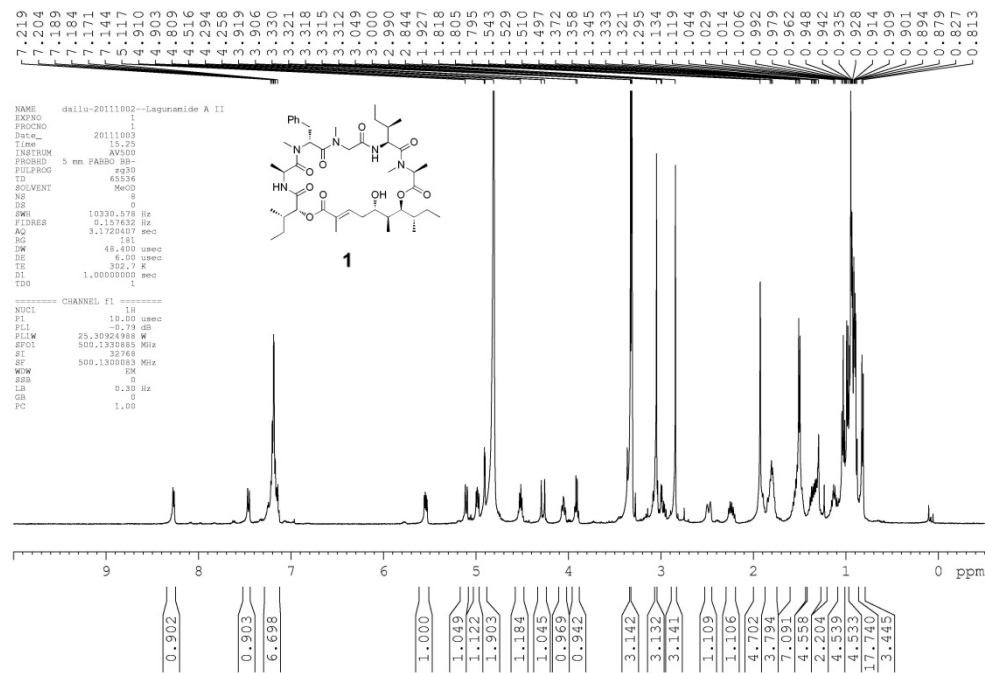


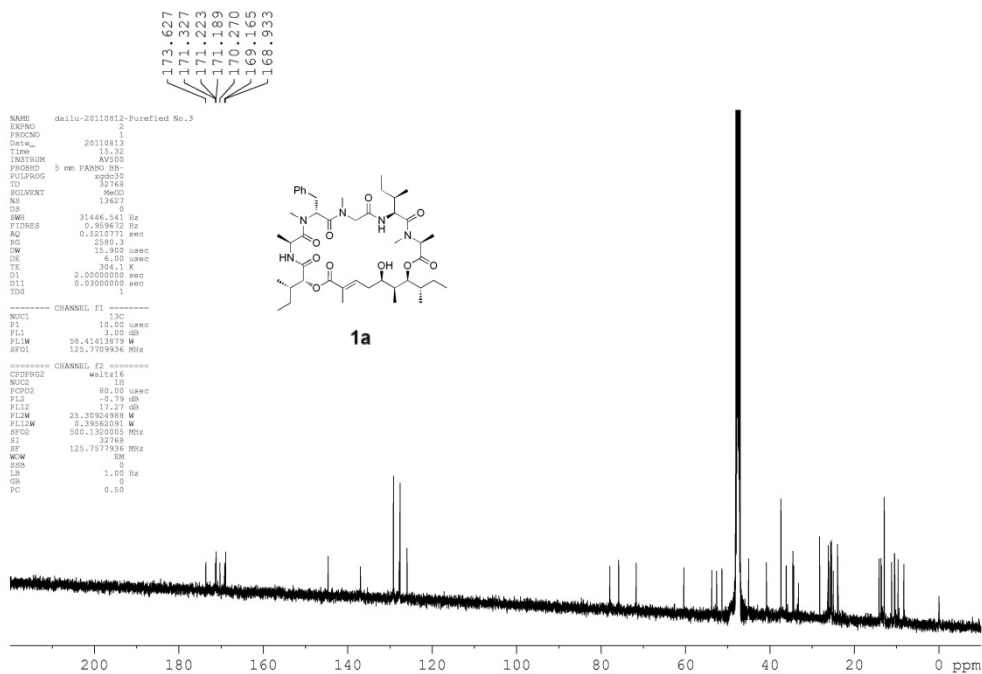
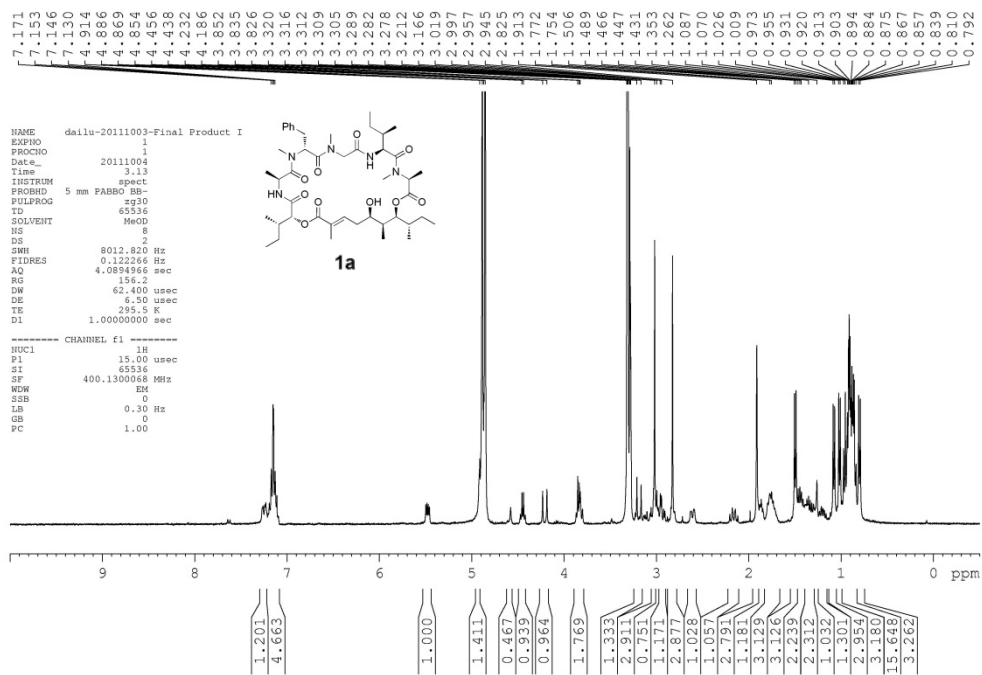


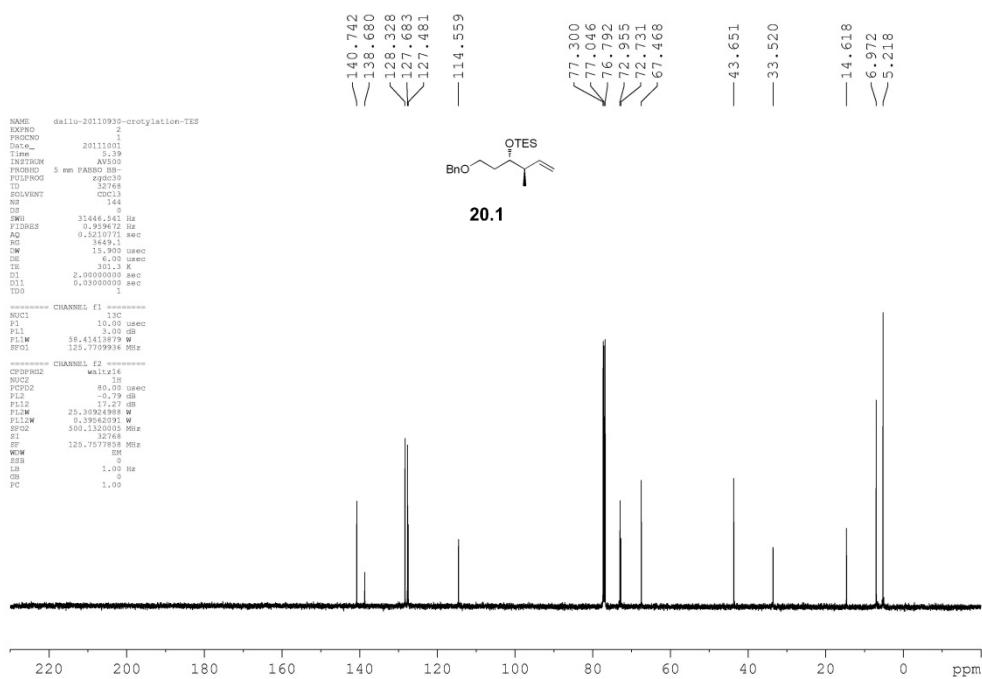
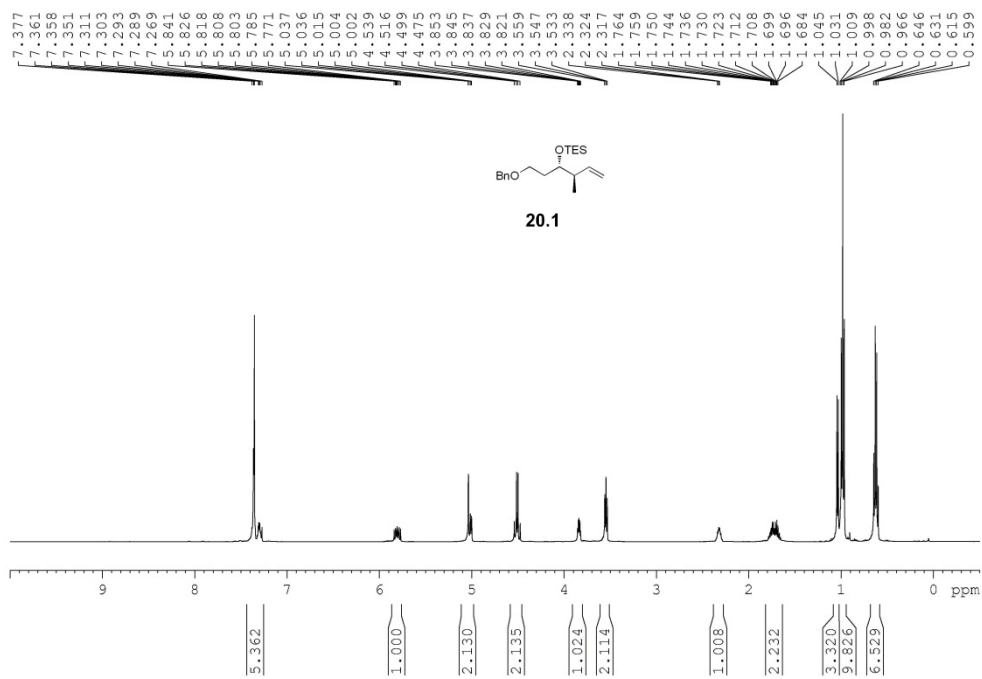








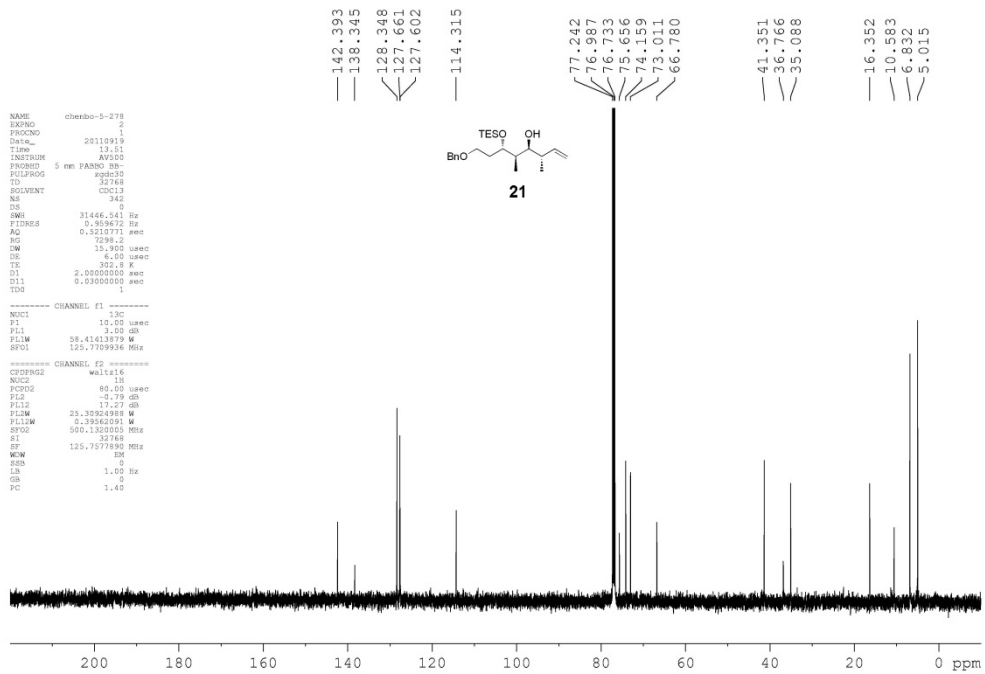
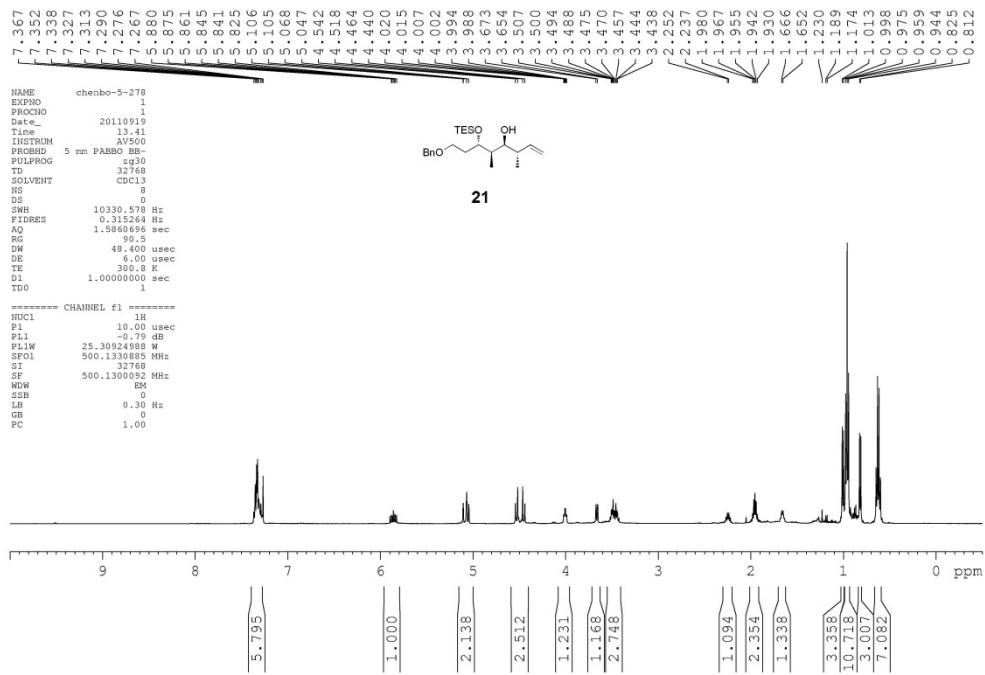


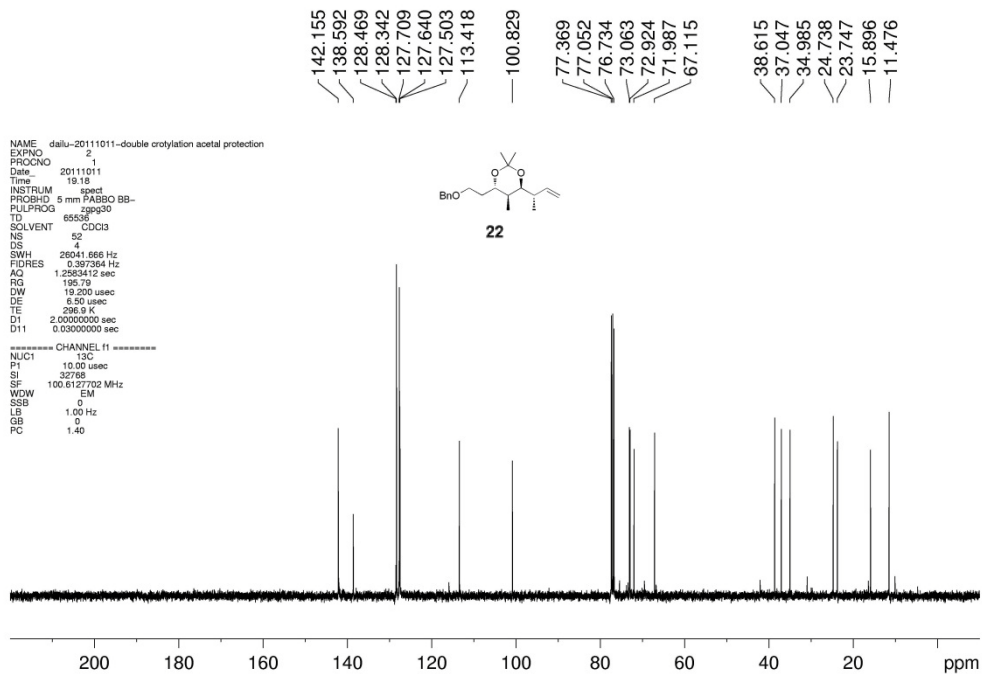
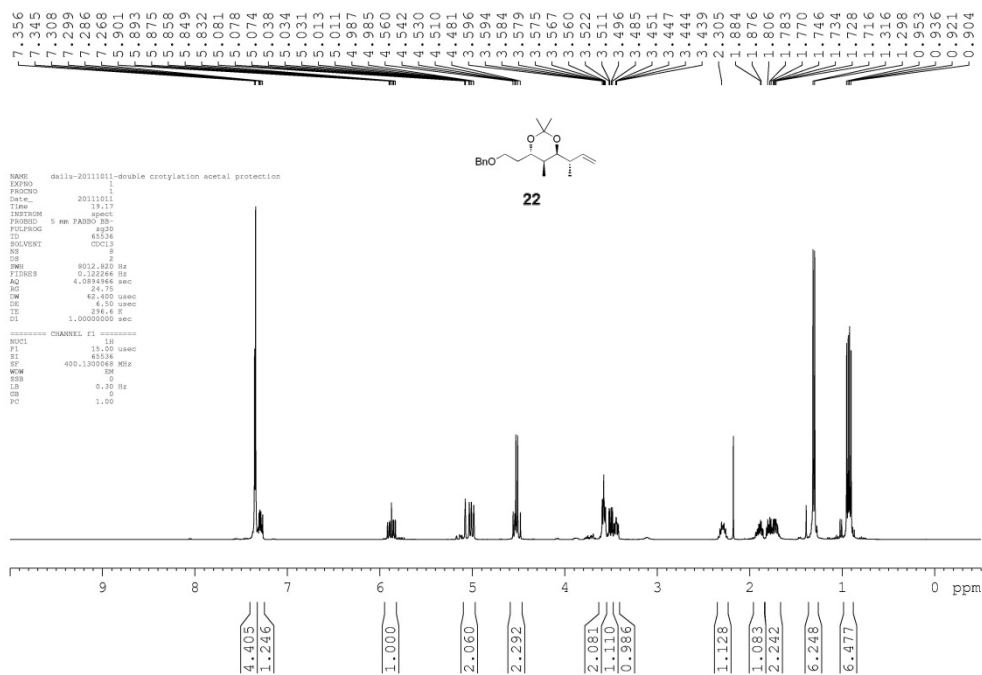


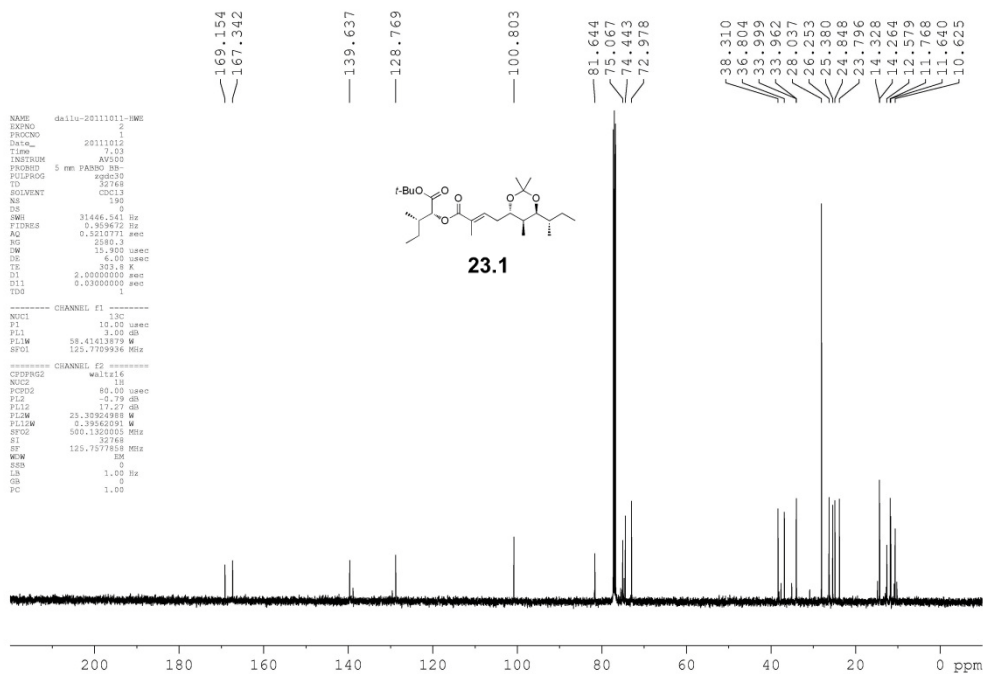
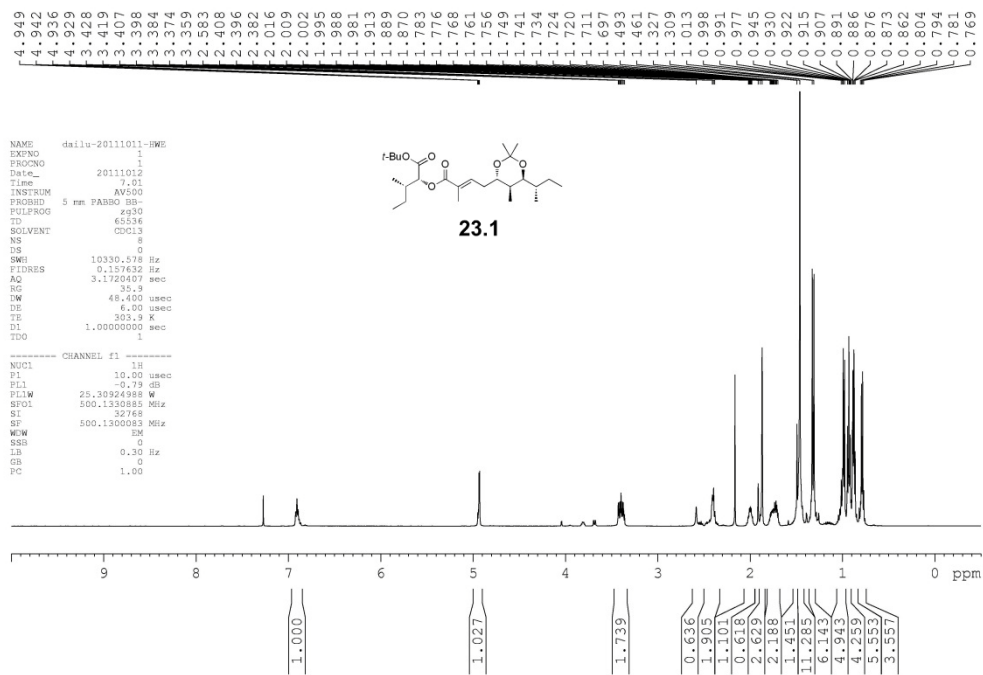
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EXPNO: 2
PROCNO: 1
Date_: 20111001
Time: 0.39
INSTRUM: AVX50
PROBHD: 5 mm PABBO BB-
PULPROG: zgpg30
TD: 32768
SOLVENT: CDCl3
NS: 144
DS: 0
SWH: 31446.541 Hz
F1REQ: 0.959612 Hz
AQ: 0.5210771 sec
RG: 344.1
RW: 15.900 usec
DE: 6.00 usec
TE: 301.3 K
D1: 2.00000000 sec
D11: 0.03000000 sec
TD0: 1

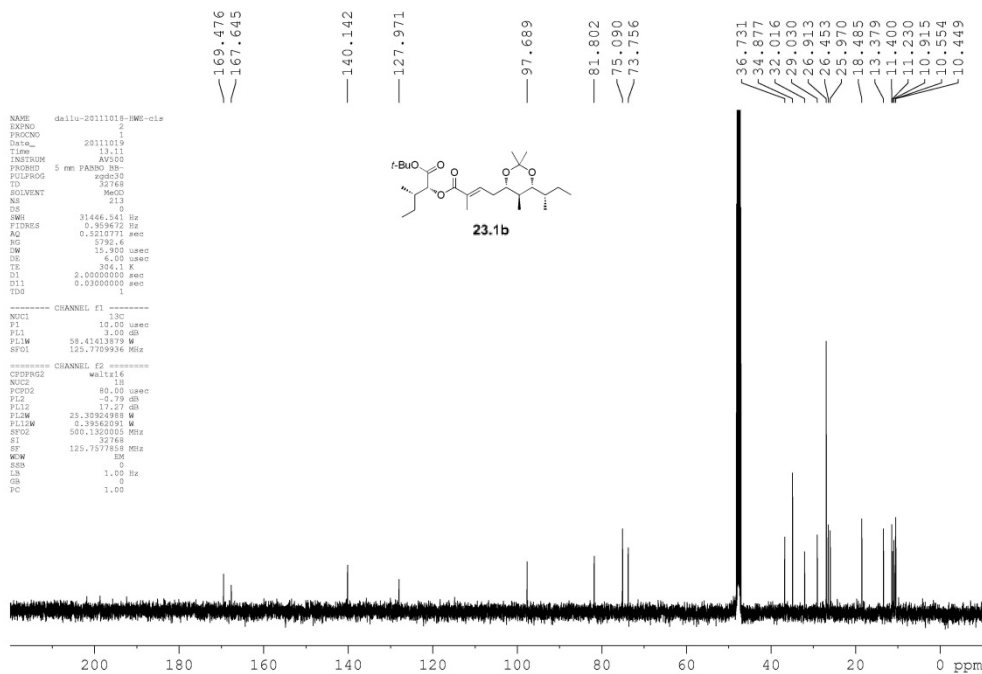
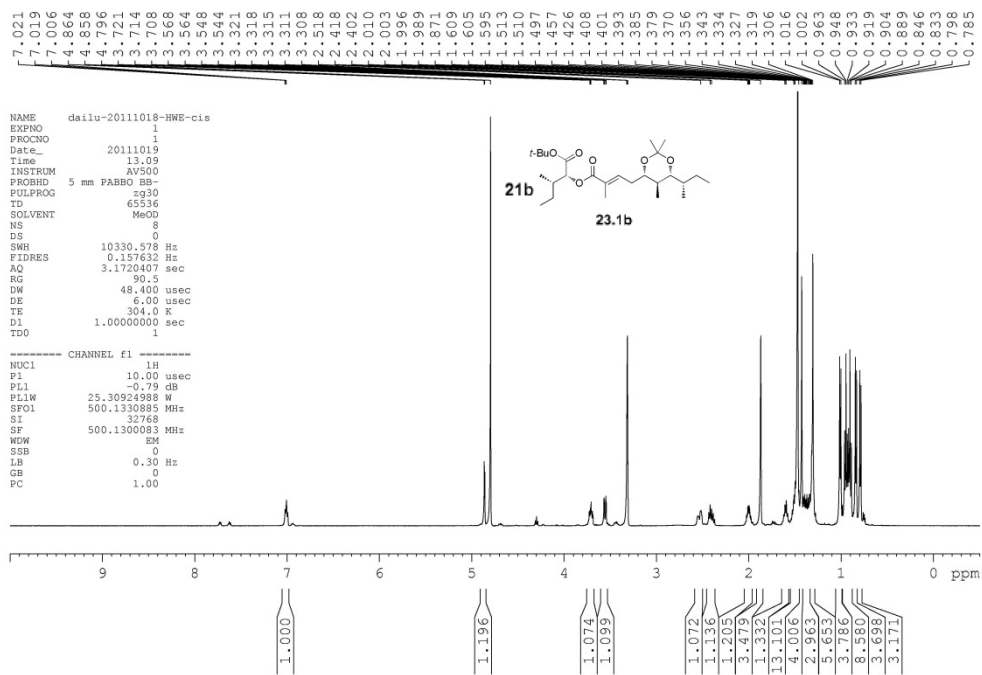
===== CHANNEL f1 =====
NUC1: 13C
P1: 10.00 usec
PL1: 3.00 dB
PL1W: 58.4343879 W
SFO1: 125.7709934 MHz

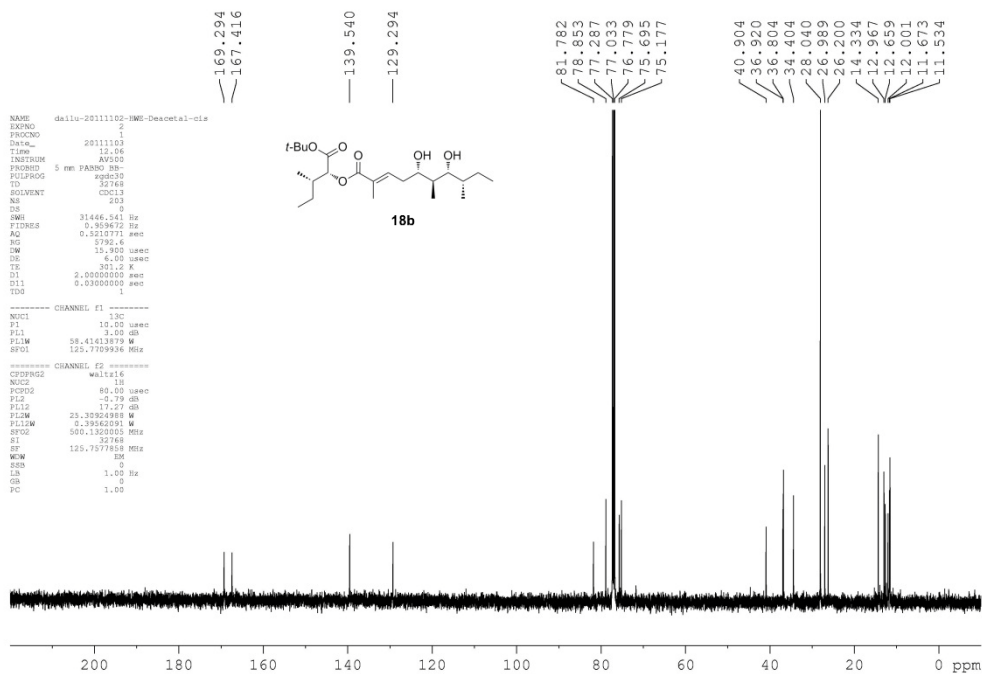
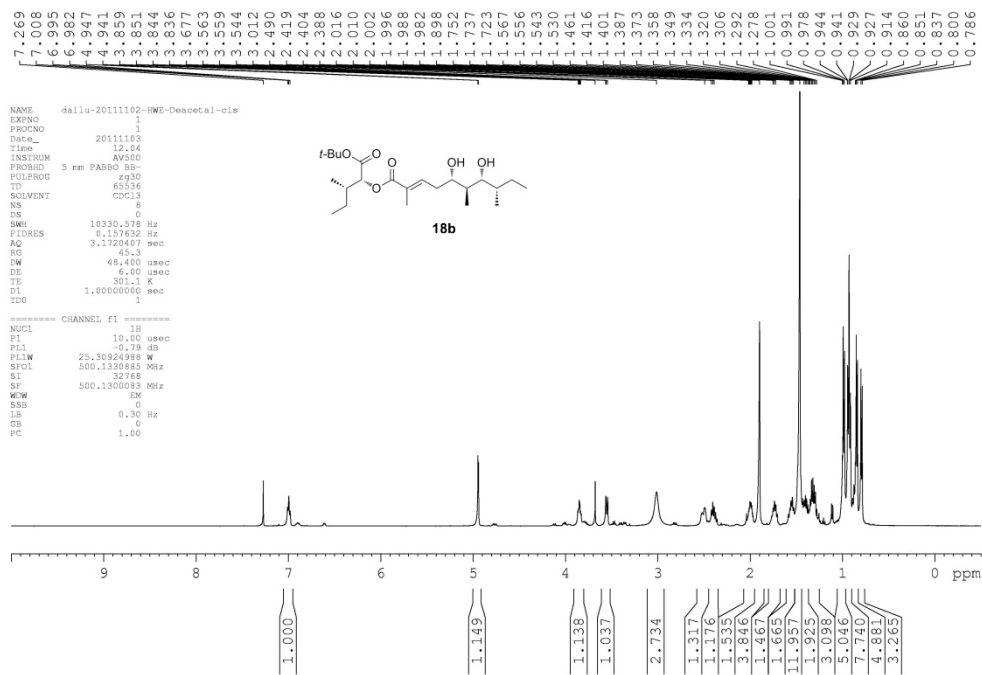
===== CHANNEL f2 =====
CPDPRG2: waltz16
NUC2: 1H
PCPD2: 40.00 usec
PL2: -0.79 dB
PL12: 17.27 dB
PL2W: 25.33924988 W
PL1W: 0.3952021 W
SFO2: 500.1320053 MHz
S1: 2748
SF: 125.7577858 MHz
MCW: 0
SSB: 0
LB: 1.00 Hz
GB: 0
PC: 1.00

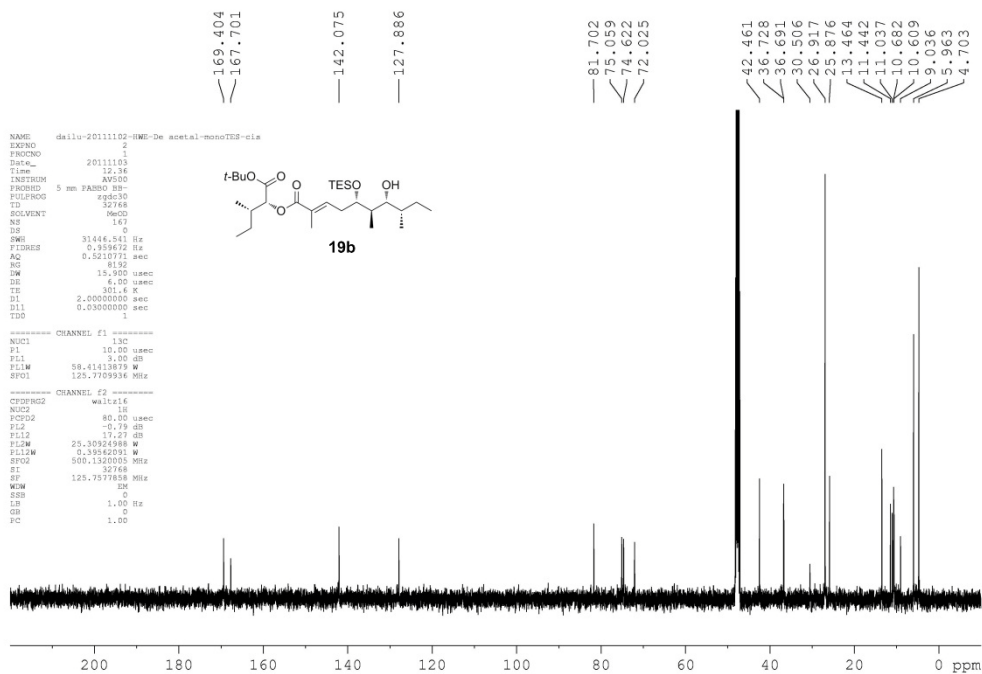
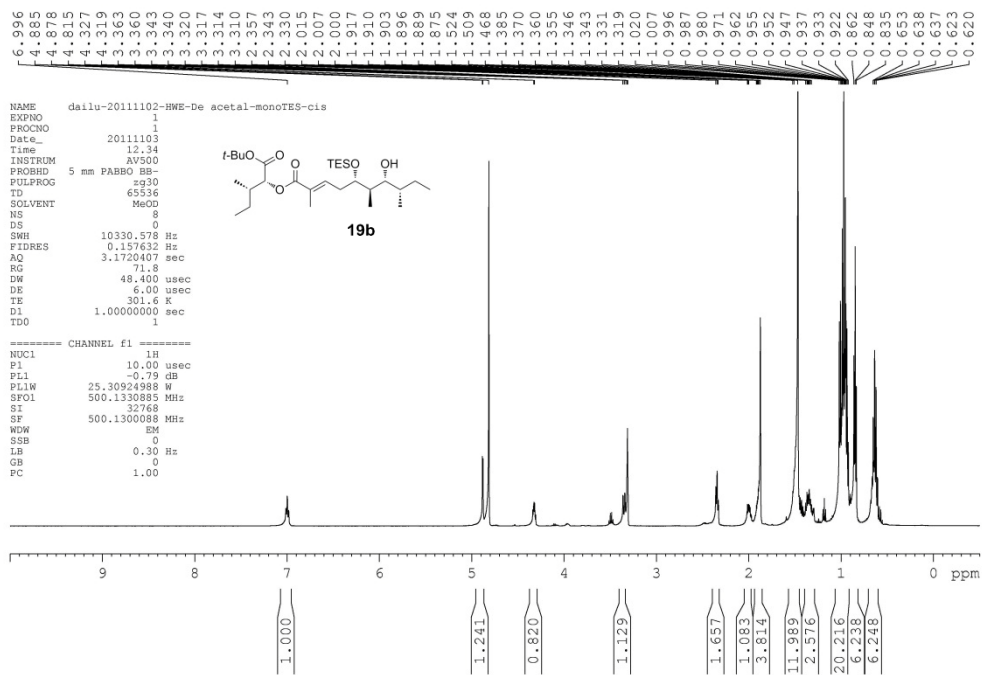


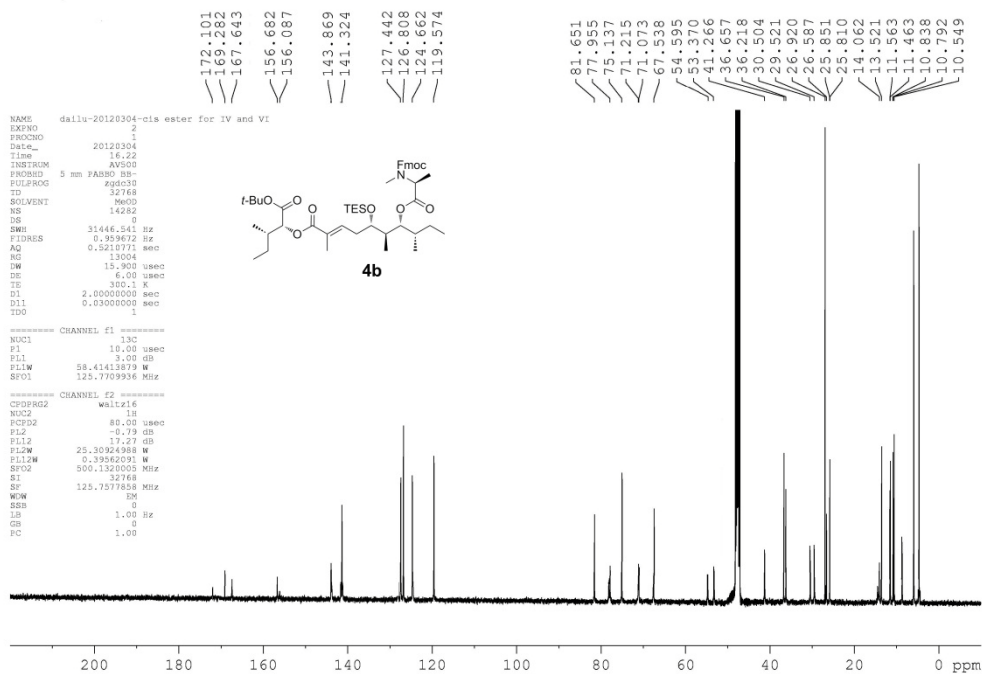
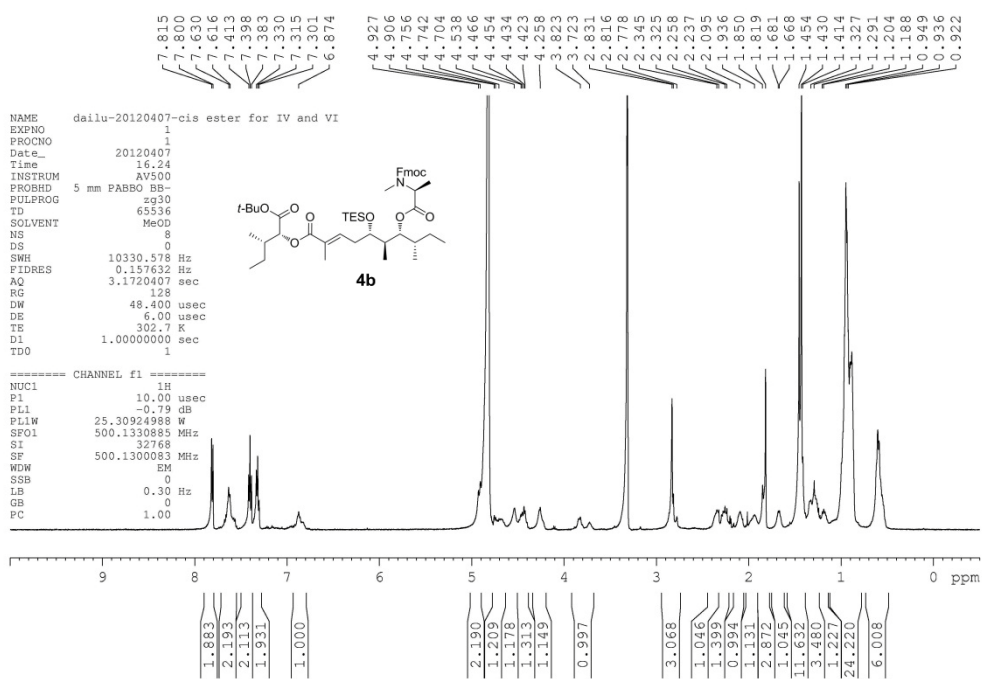


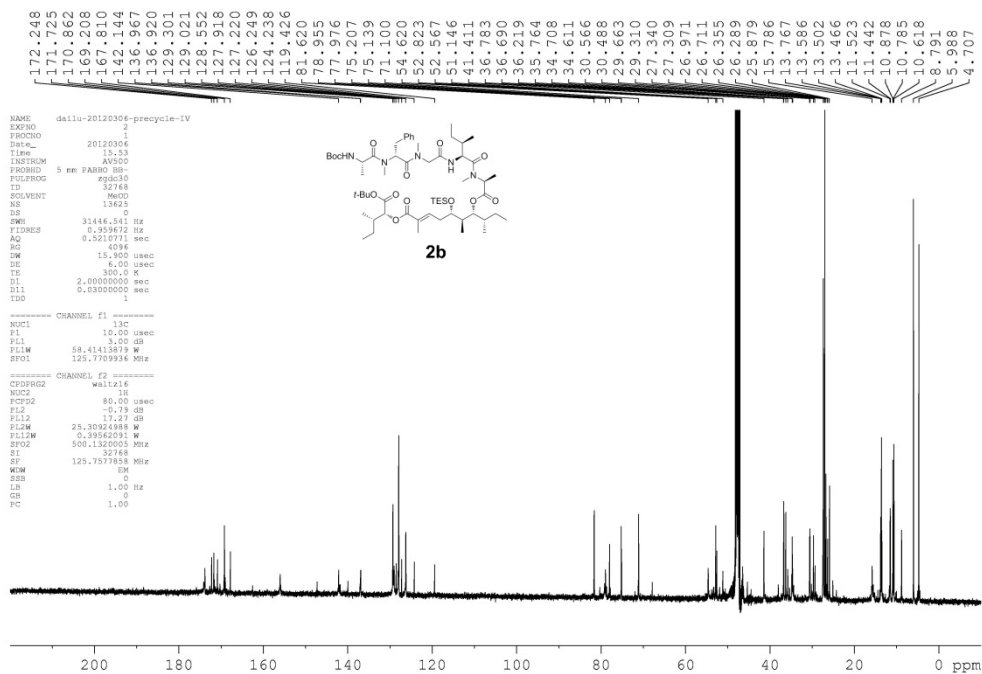
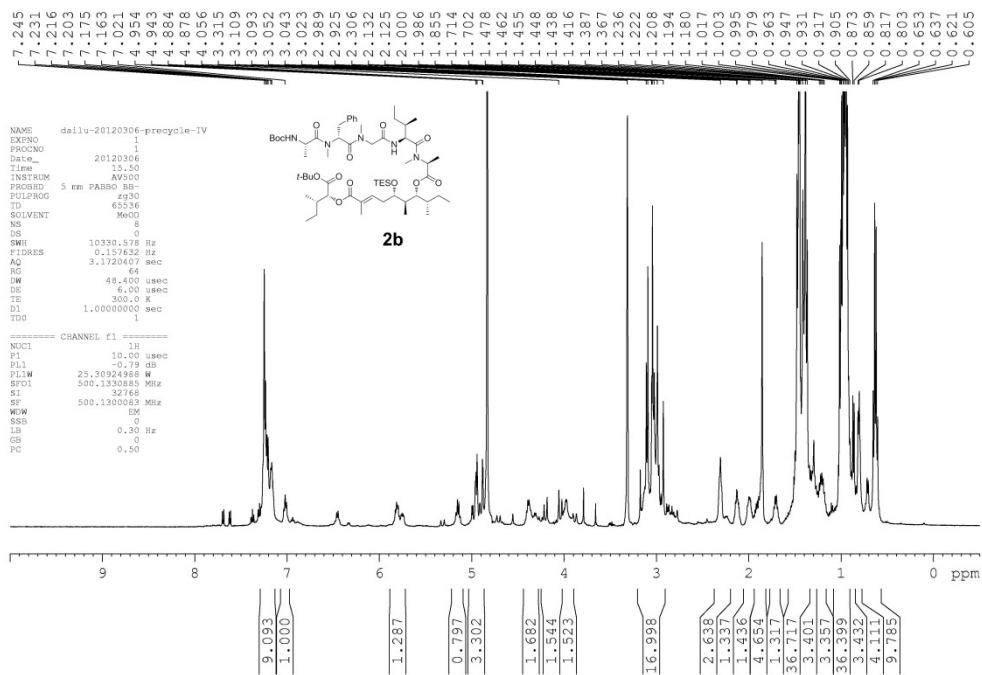


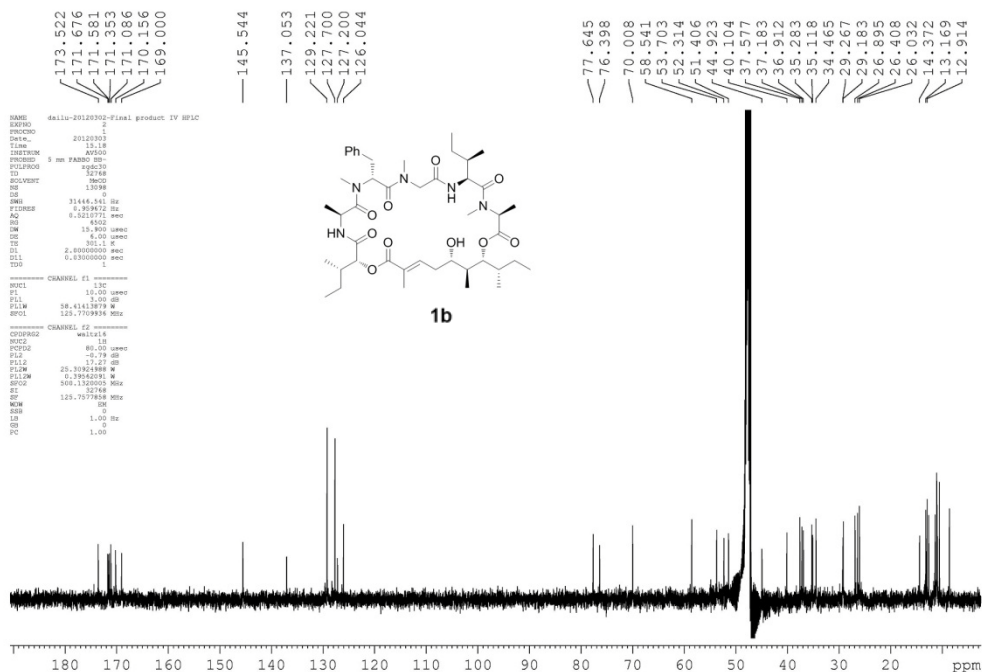
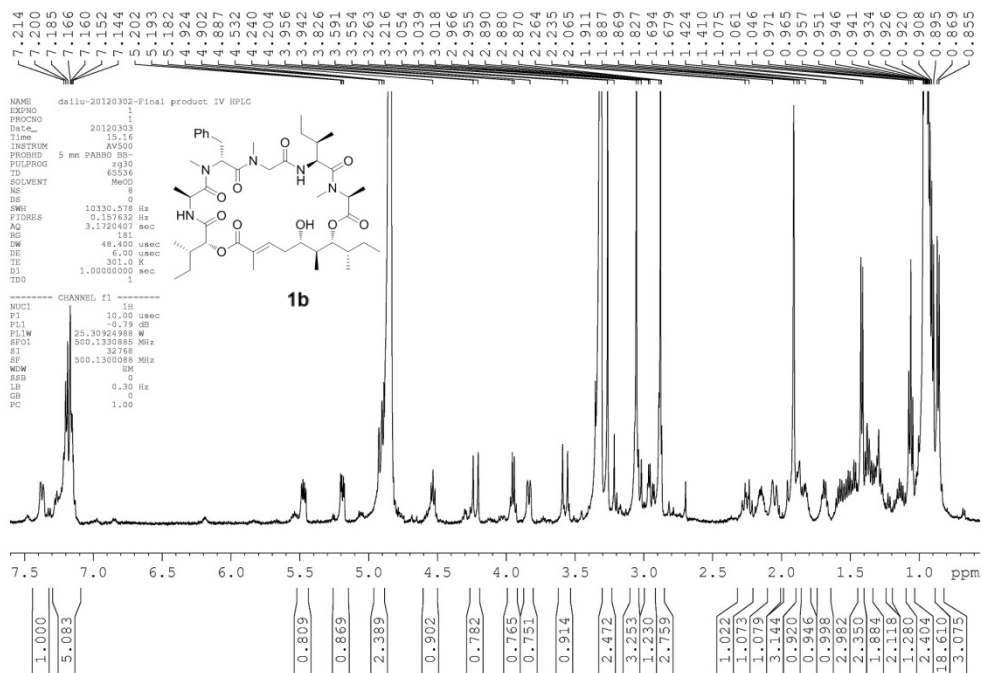


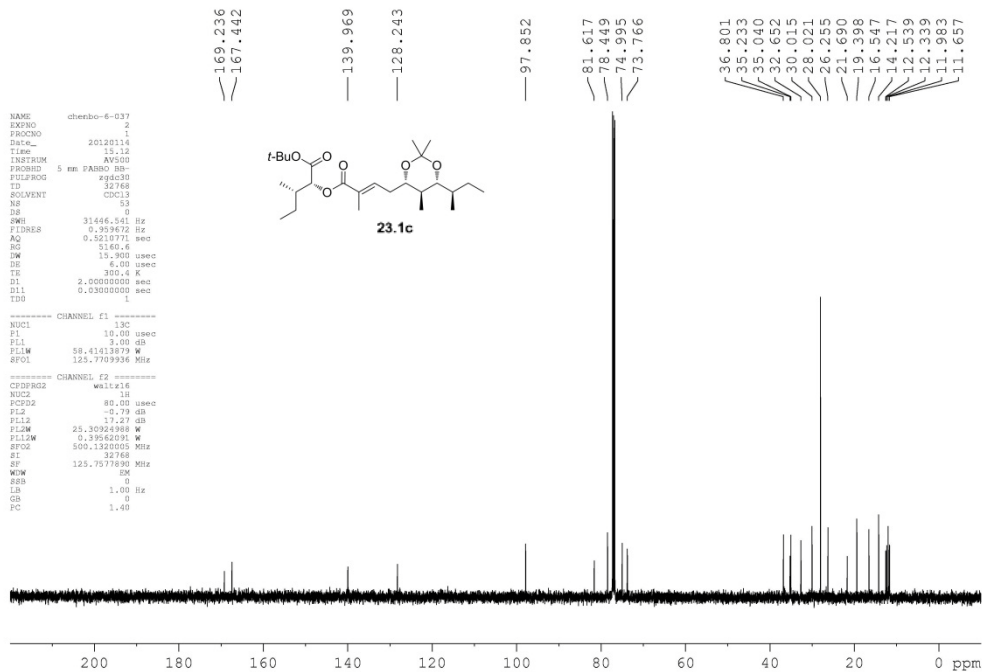
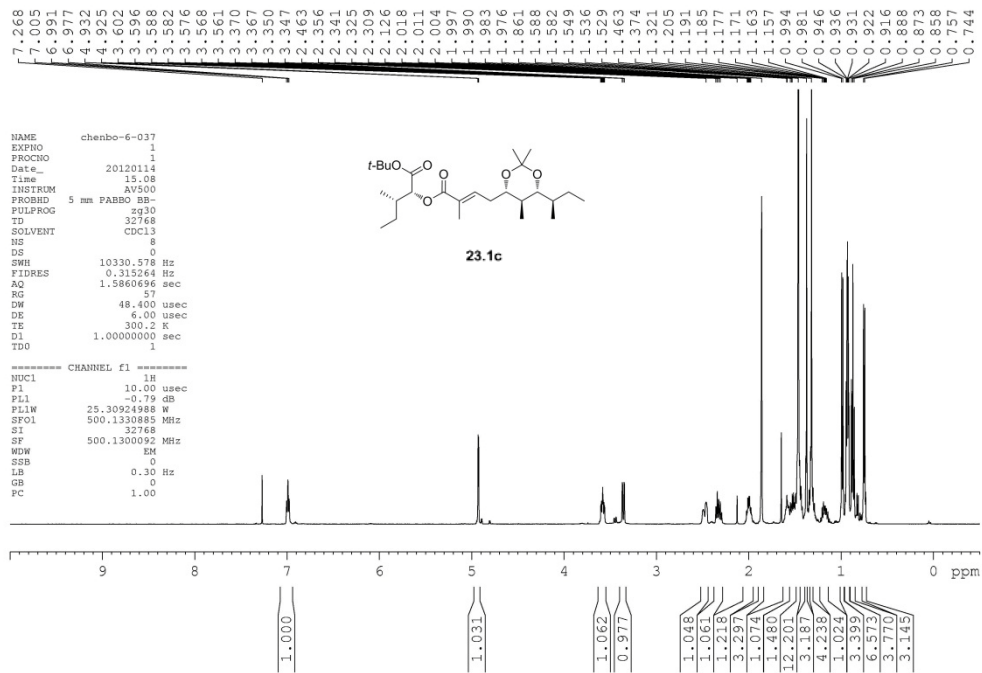


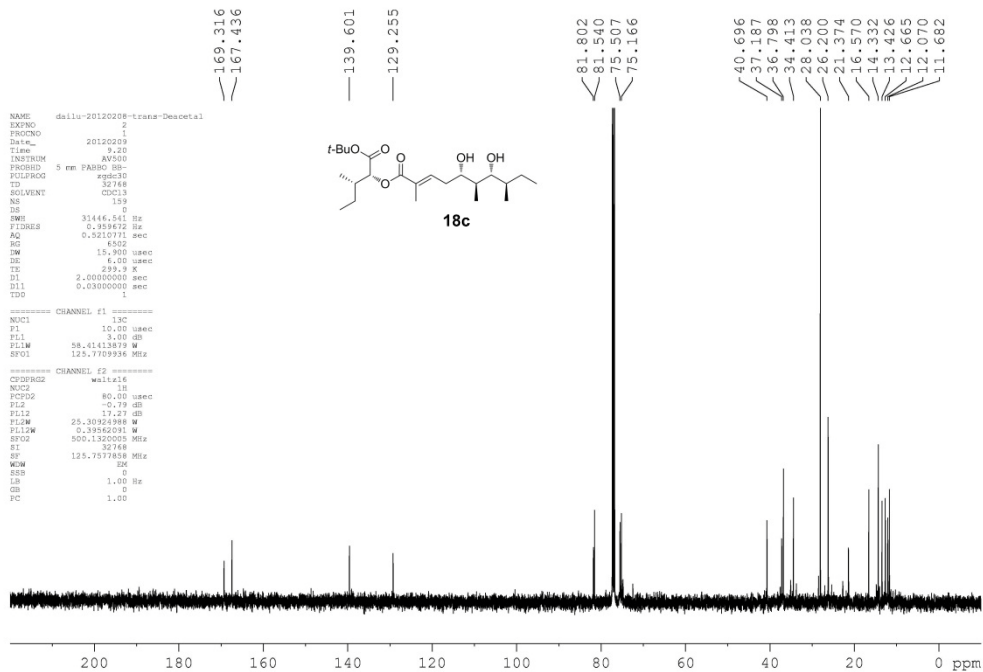
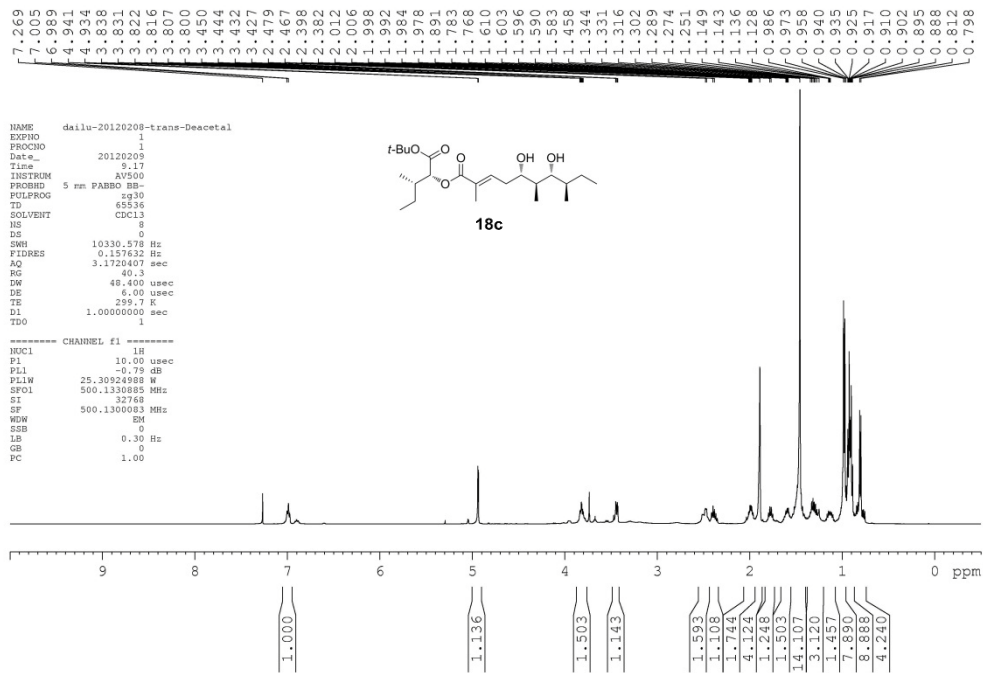


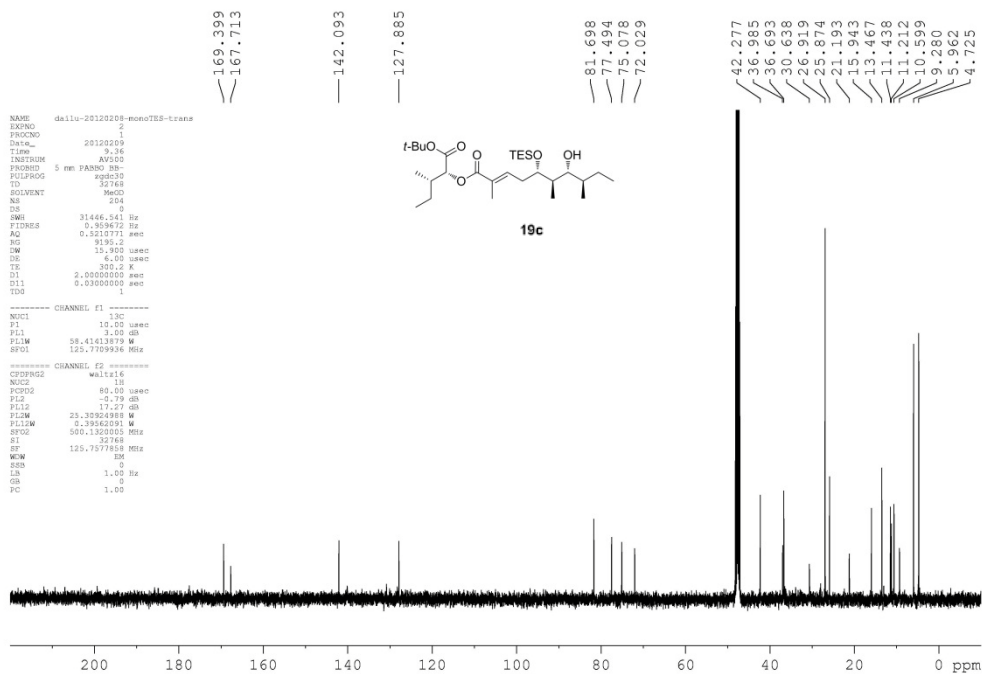
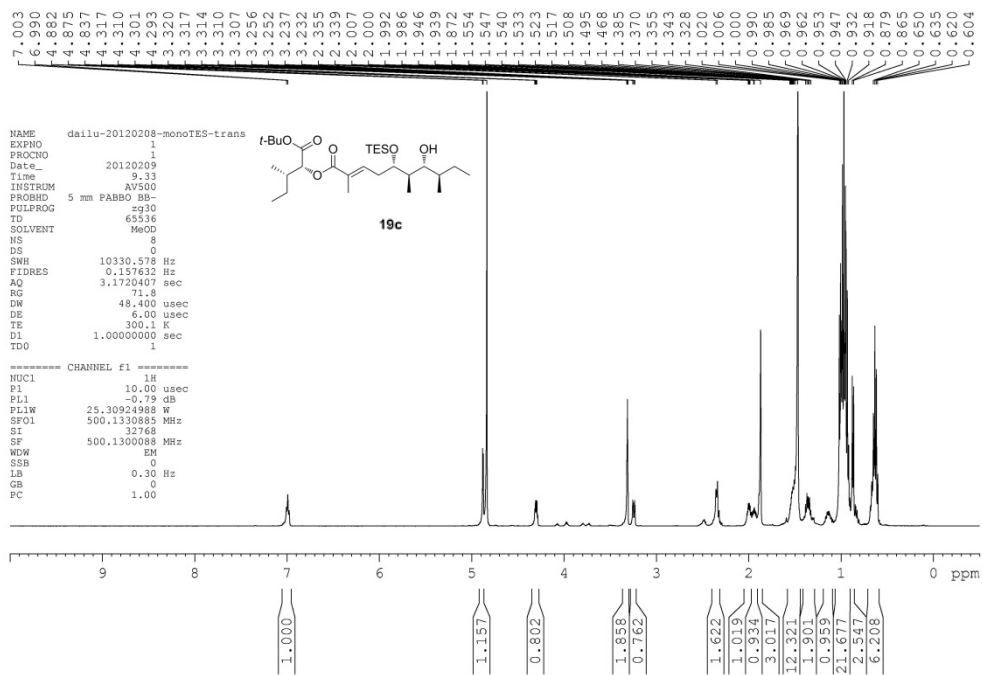


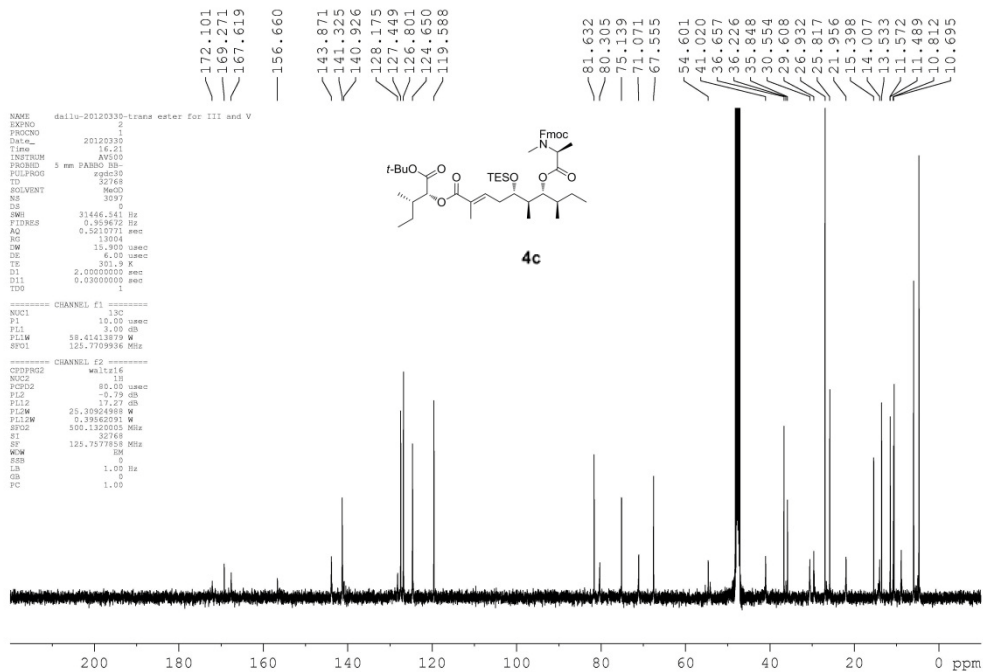
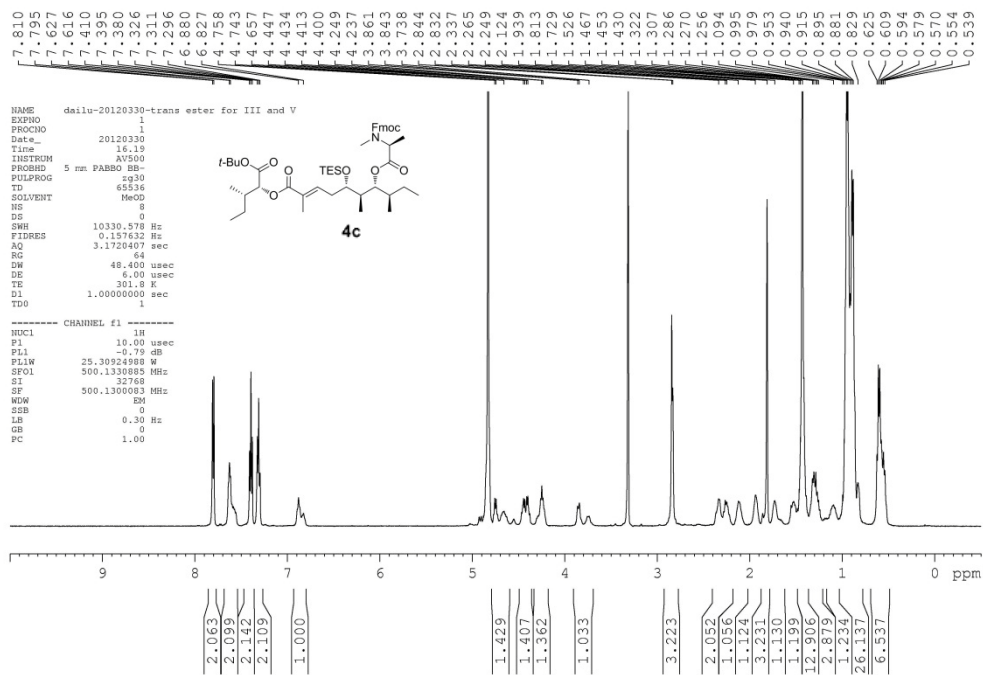


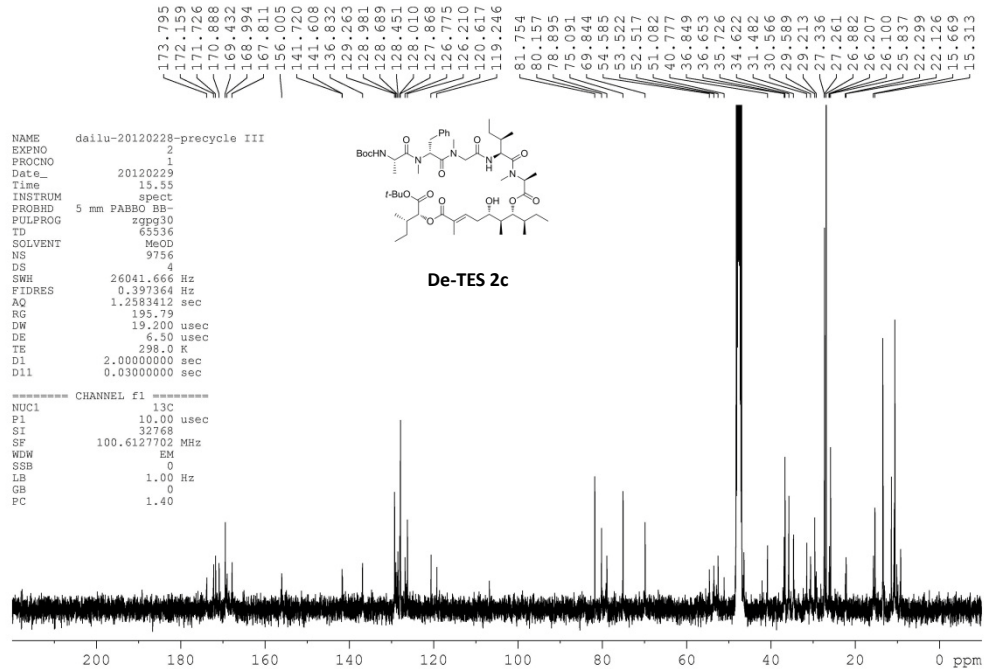


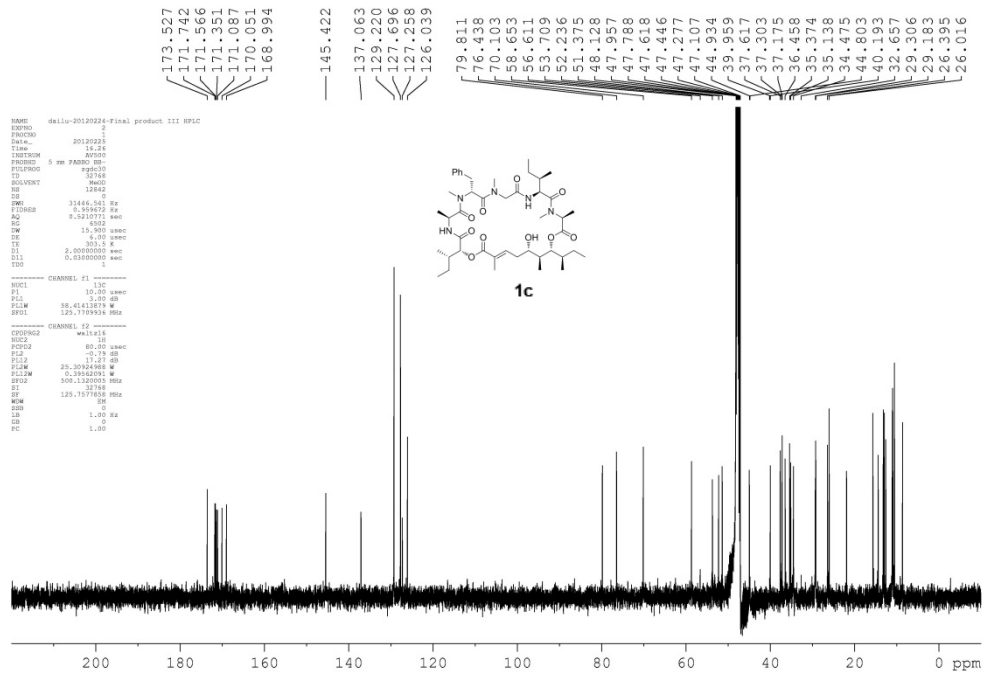
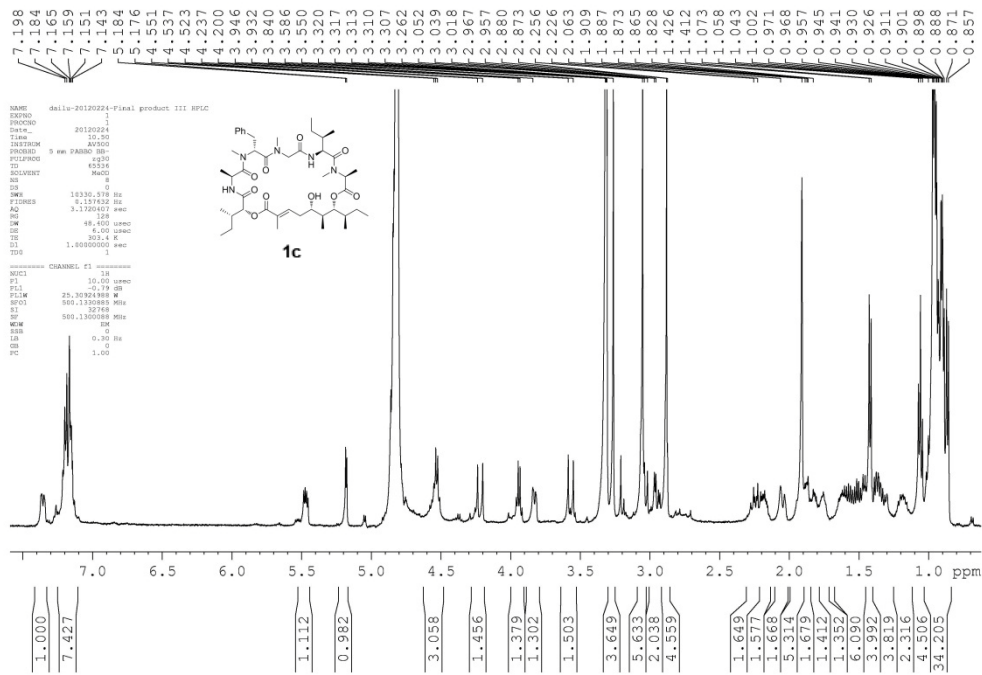


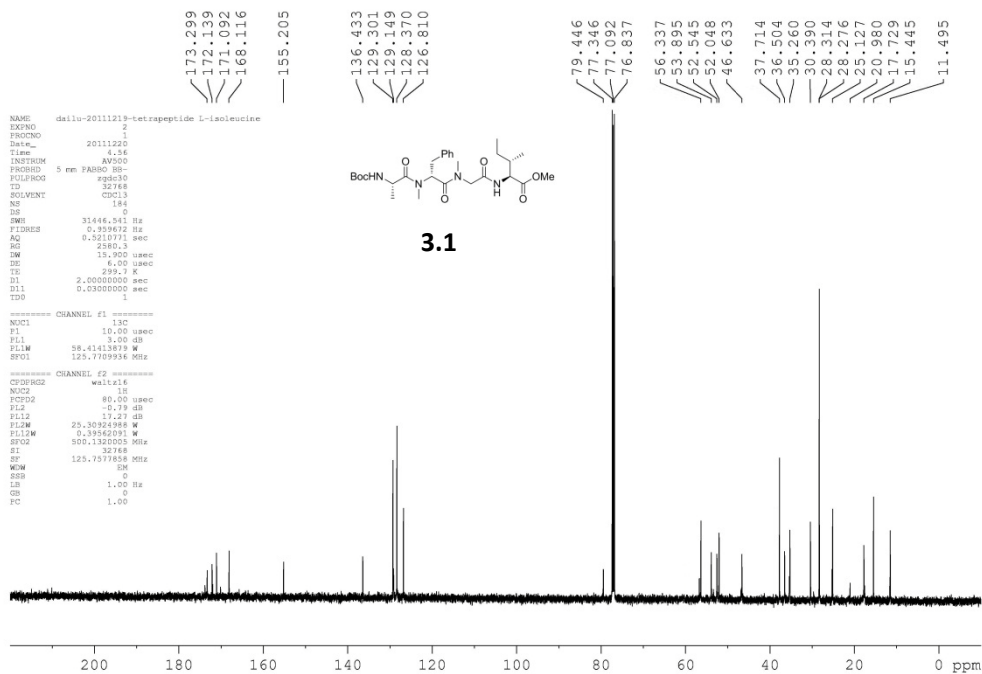
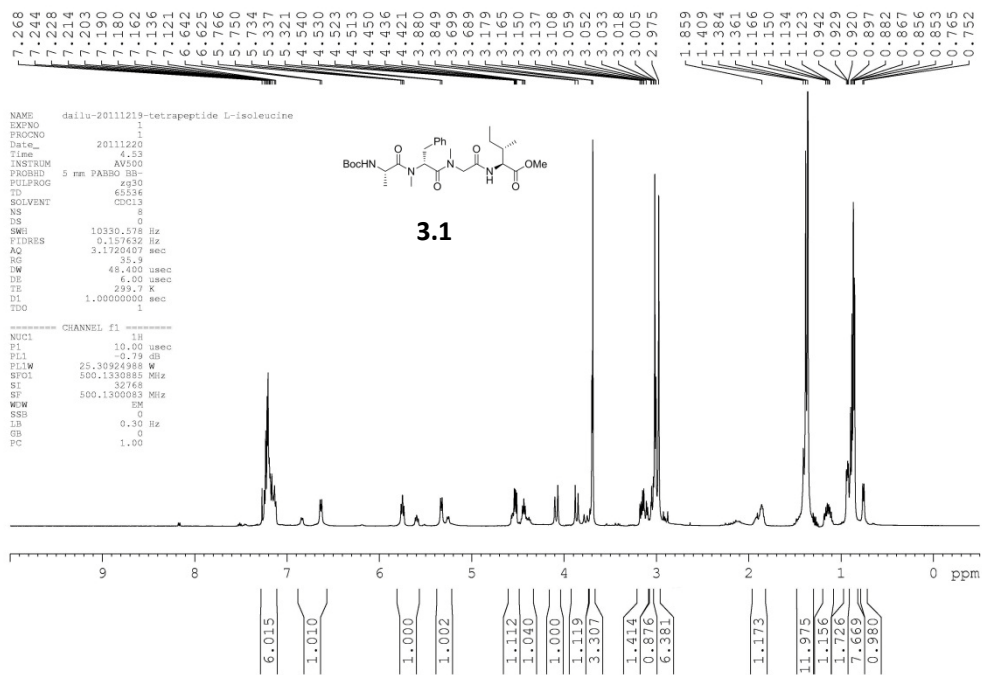


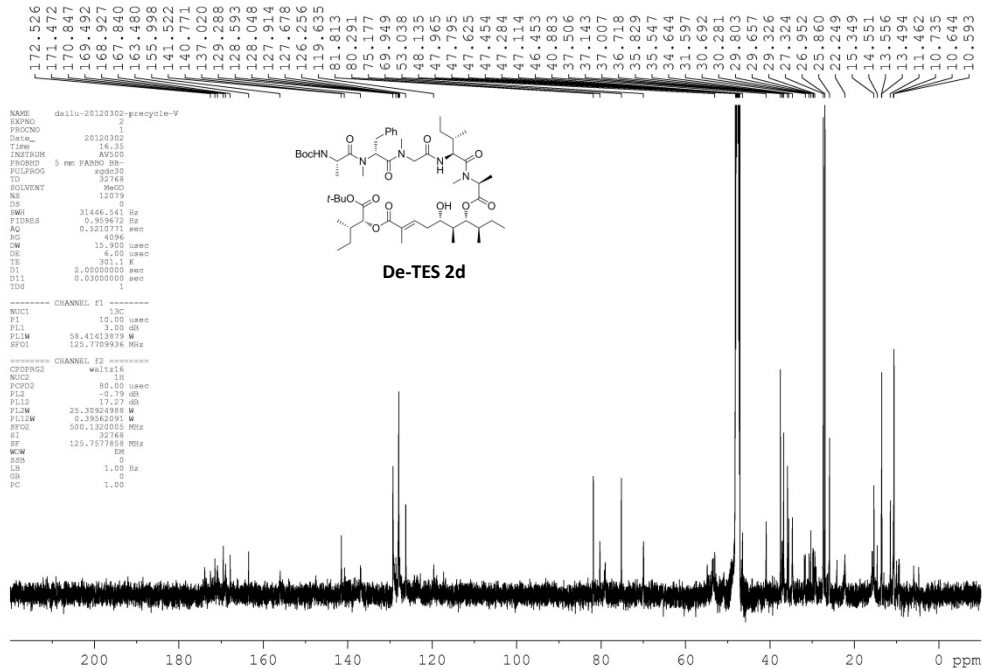
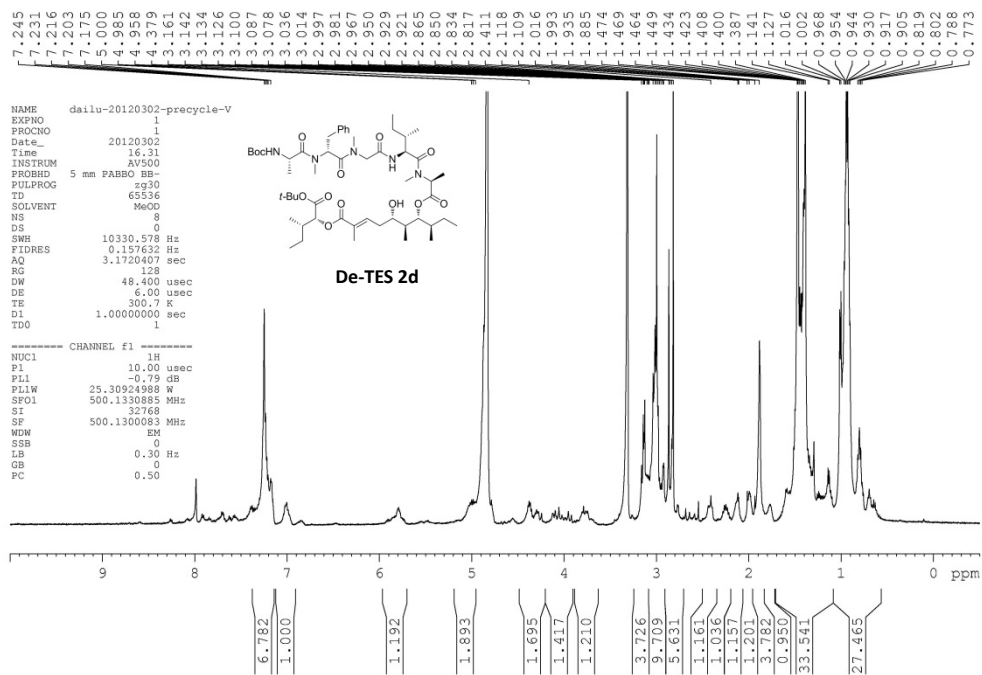


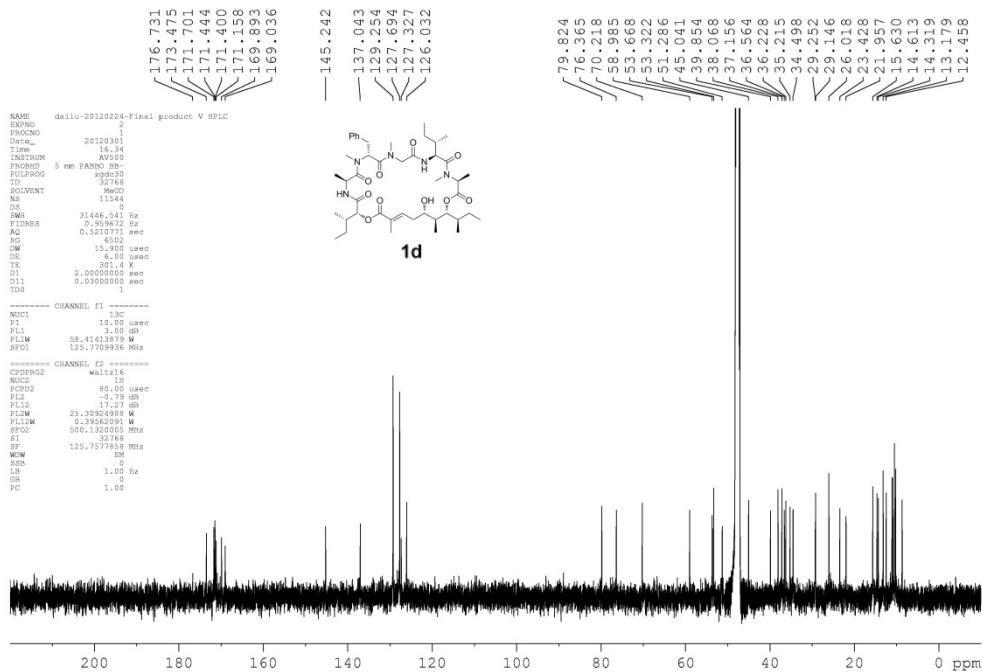
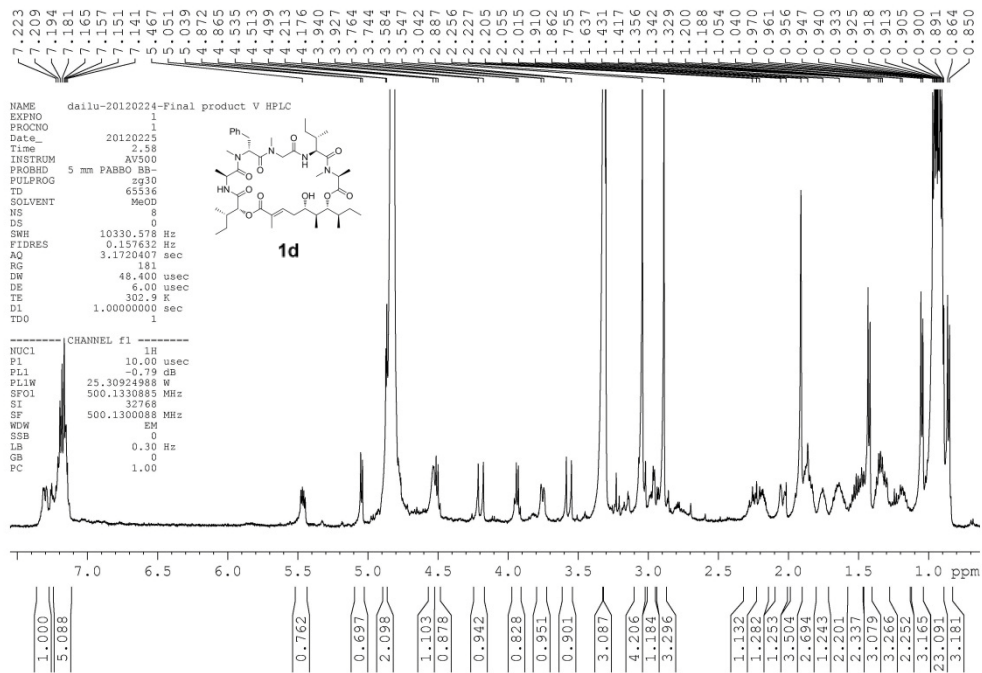


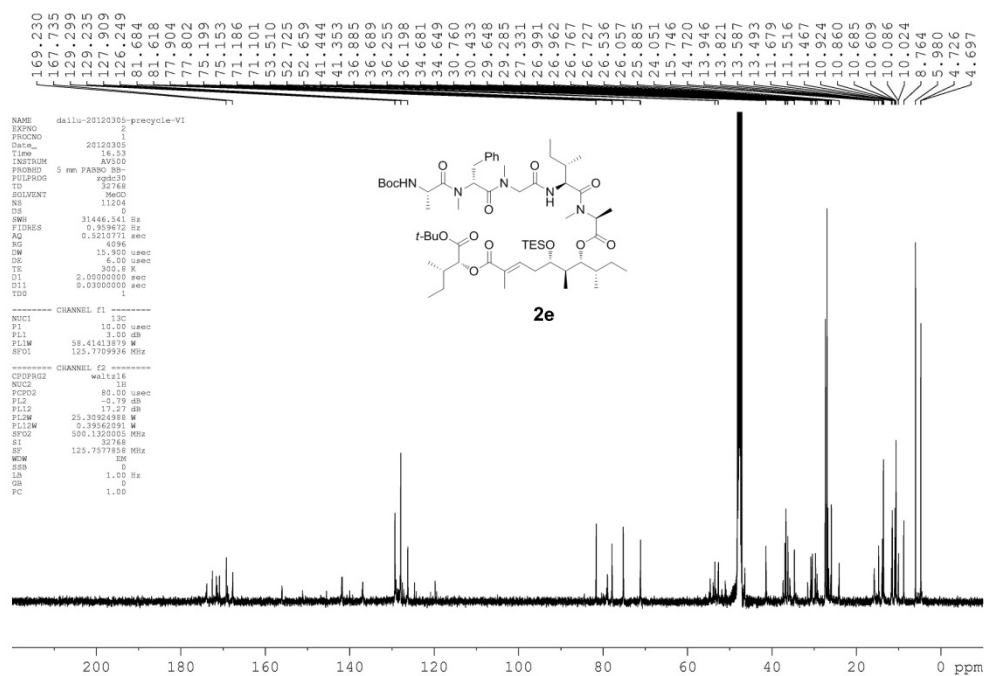
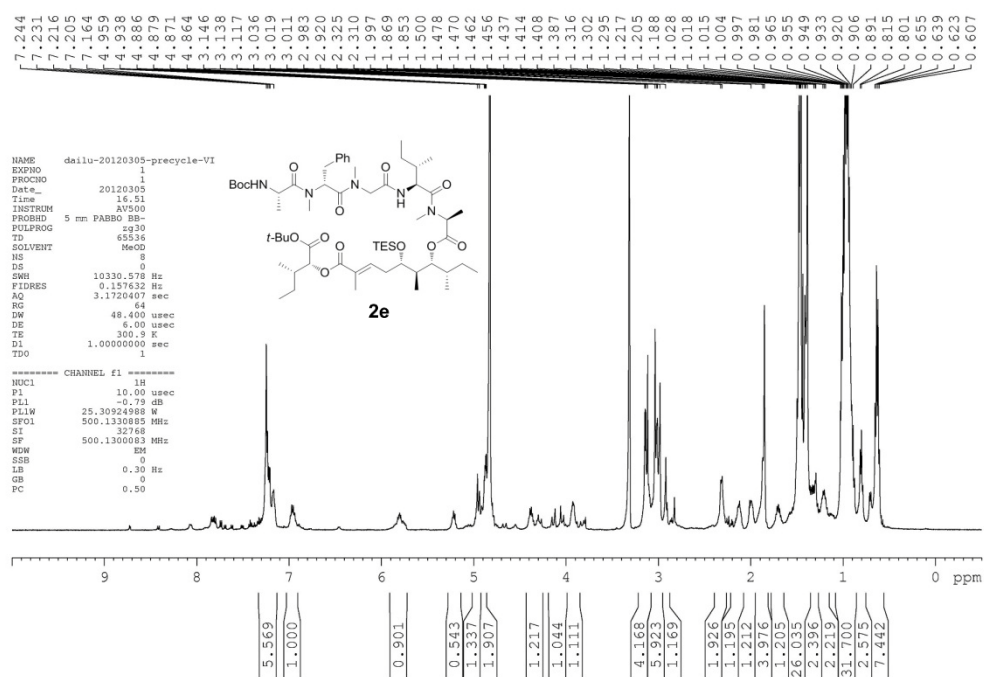


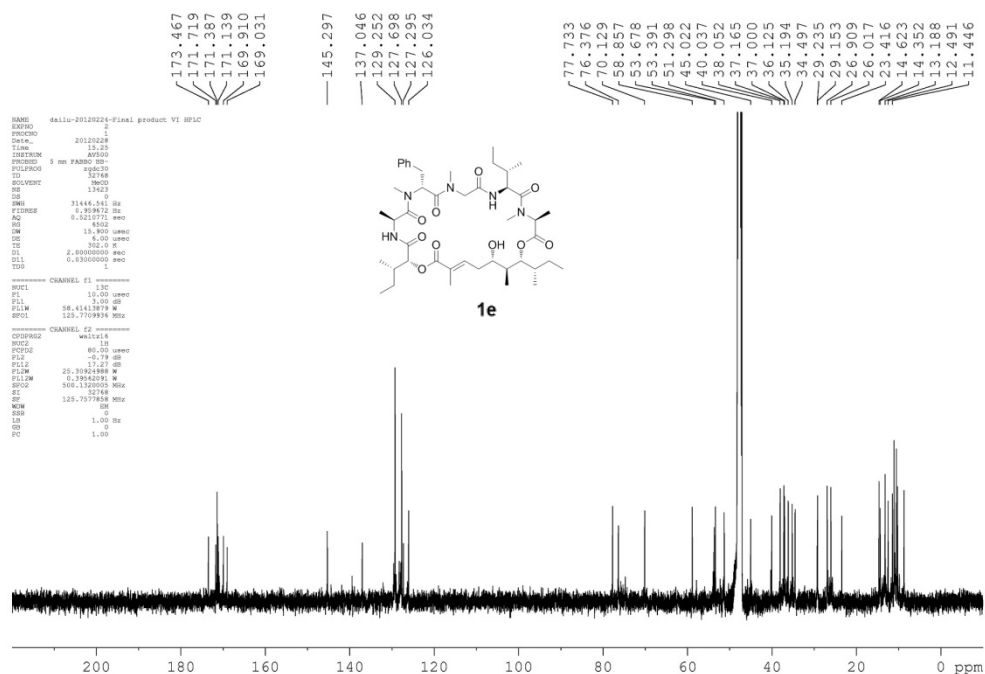
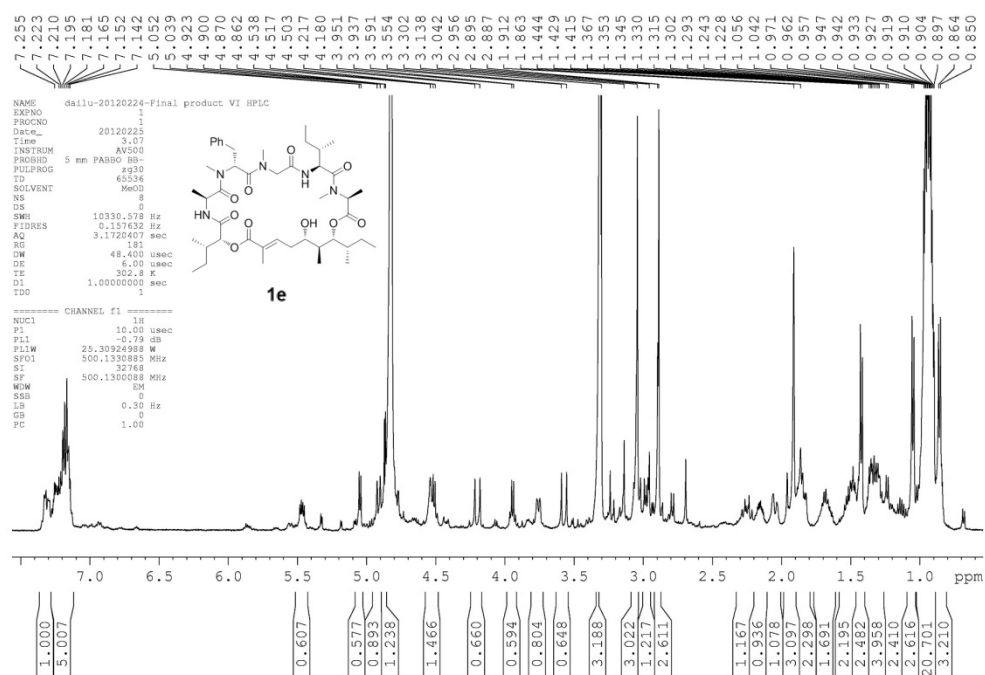












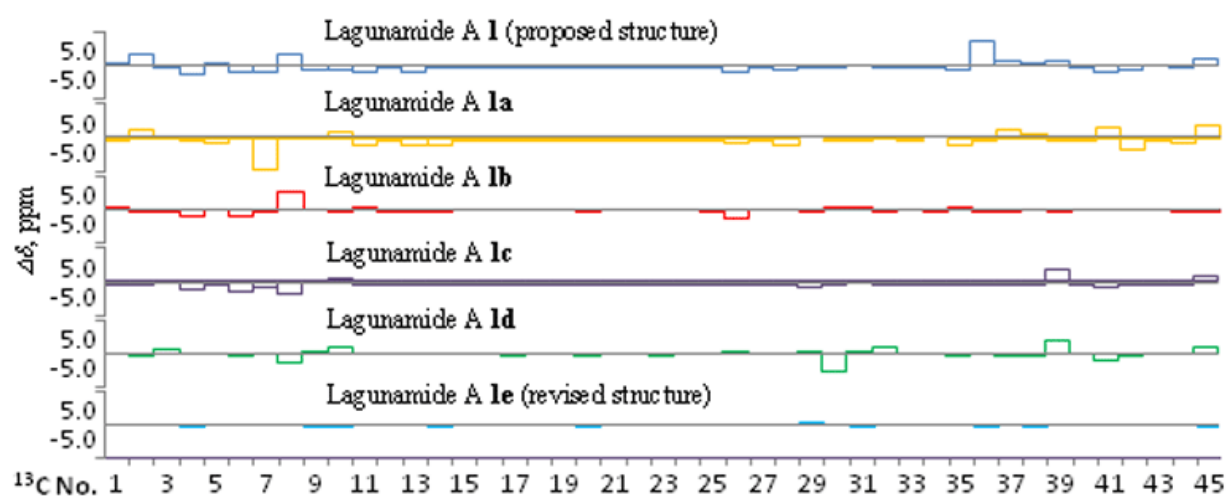


Figure 3: Differences in ^{13}C NMR shifts between natural *lagunamide A* and six synthetic *lagunamides A* stereoisomers