

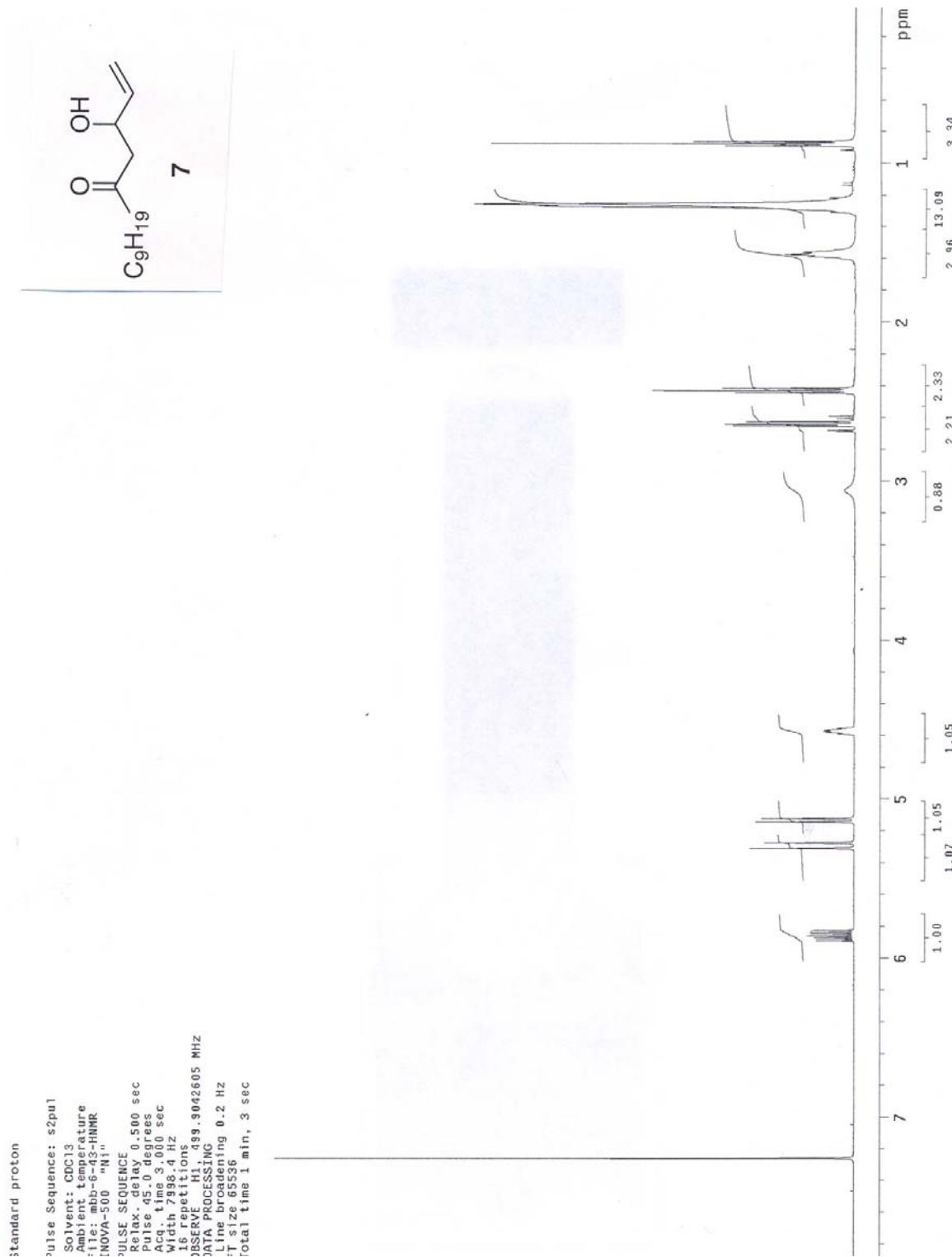
## A Concise Stereoselective Synthesis of Preussin, 3-*epi*-Preussin, and Analogs

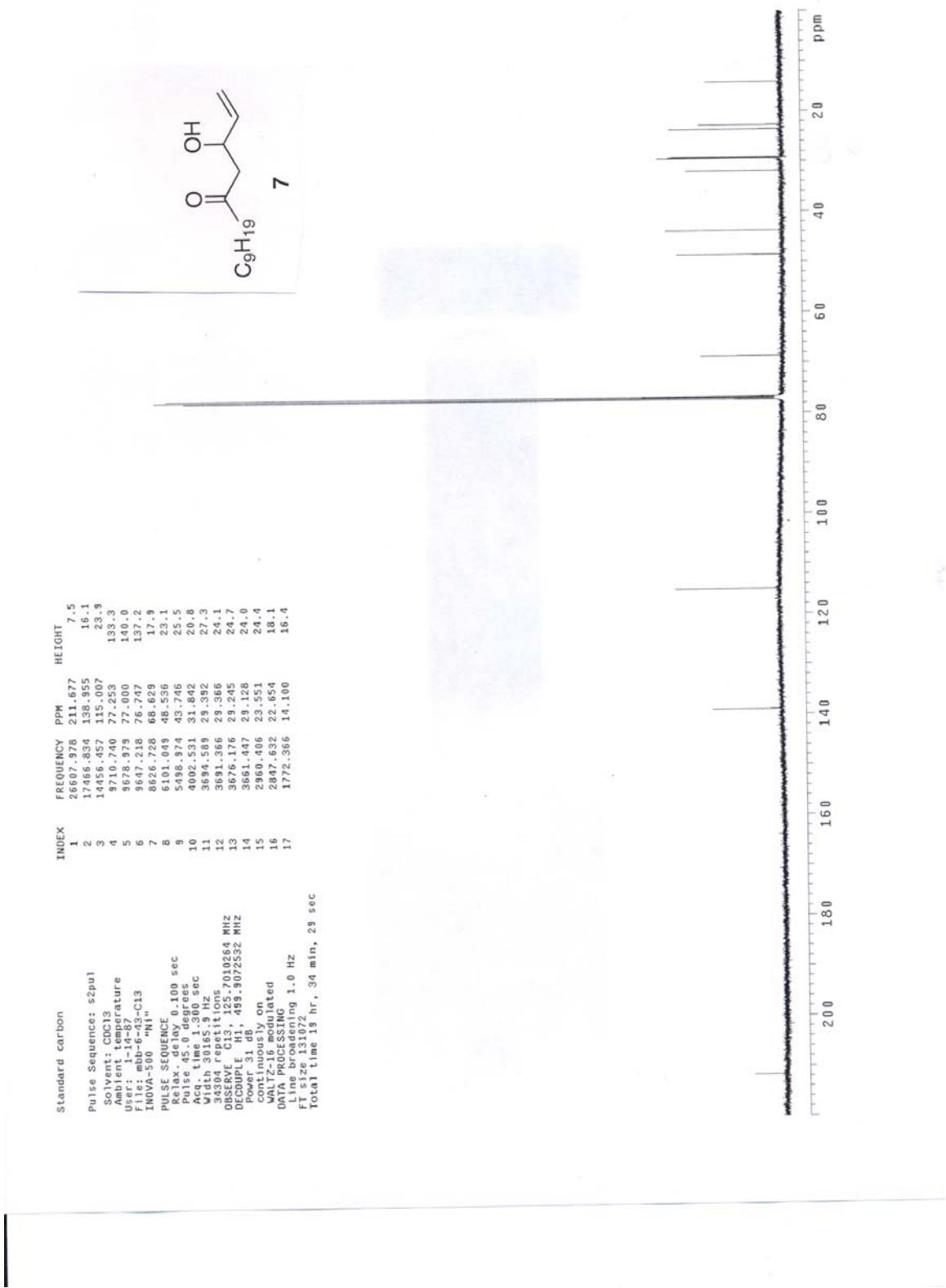
**Myra Beaudoin Bertrand and John P. Wolfe\***

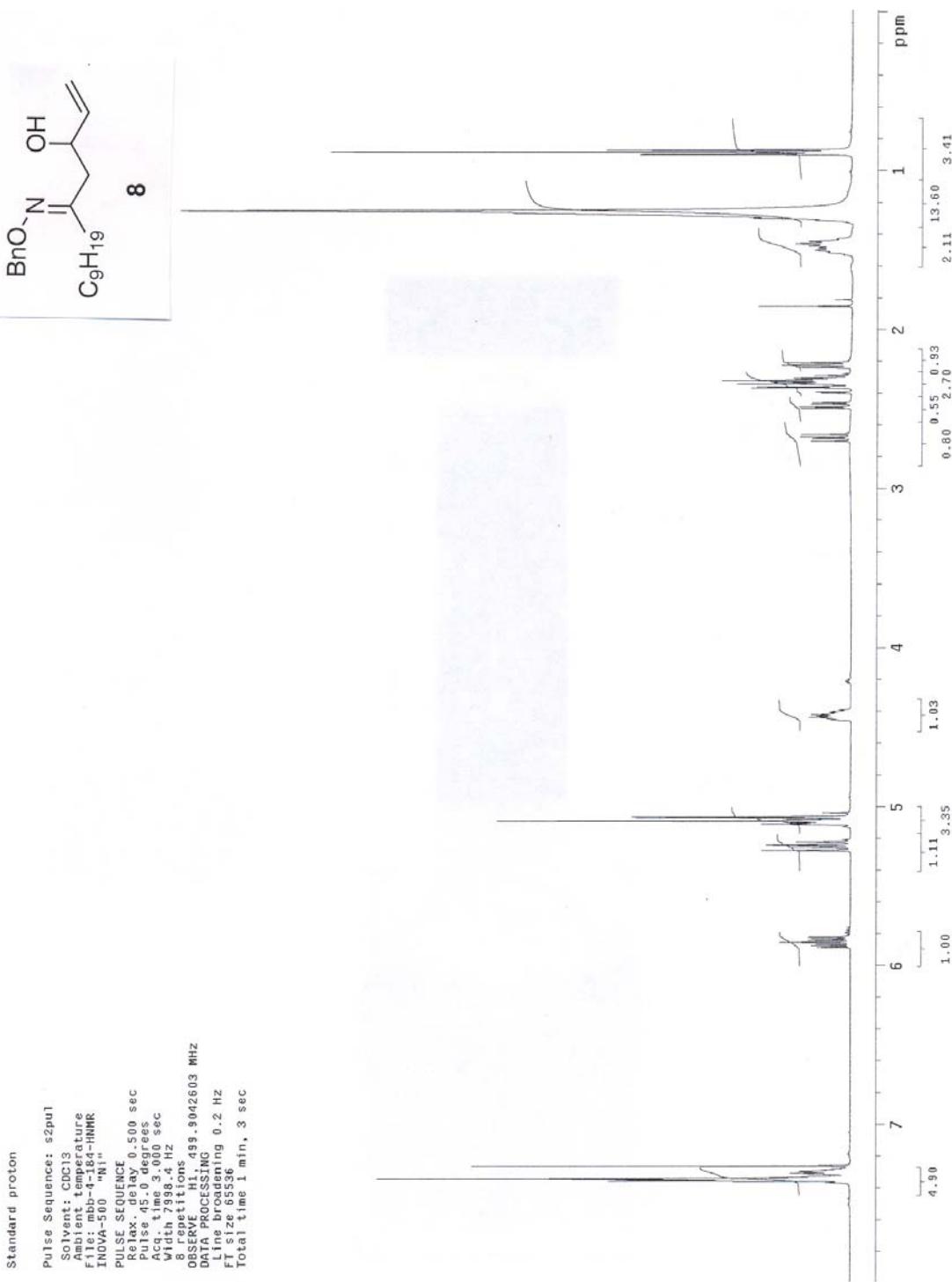
*Department of Chemistry, University of Michigan, 930 N. University Ave., Ann Arbor, Michigan, 48109-1055*

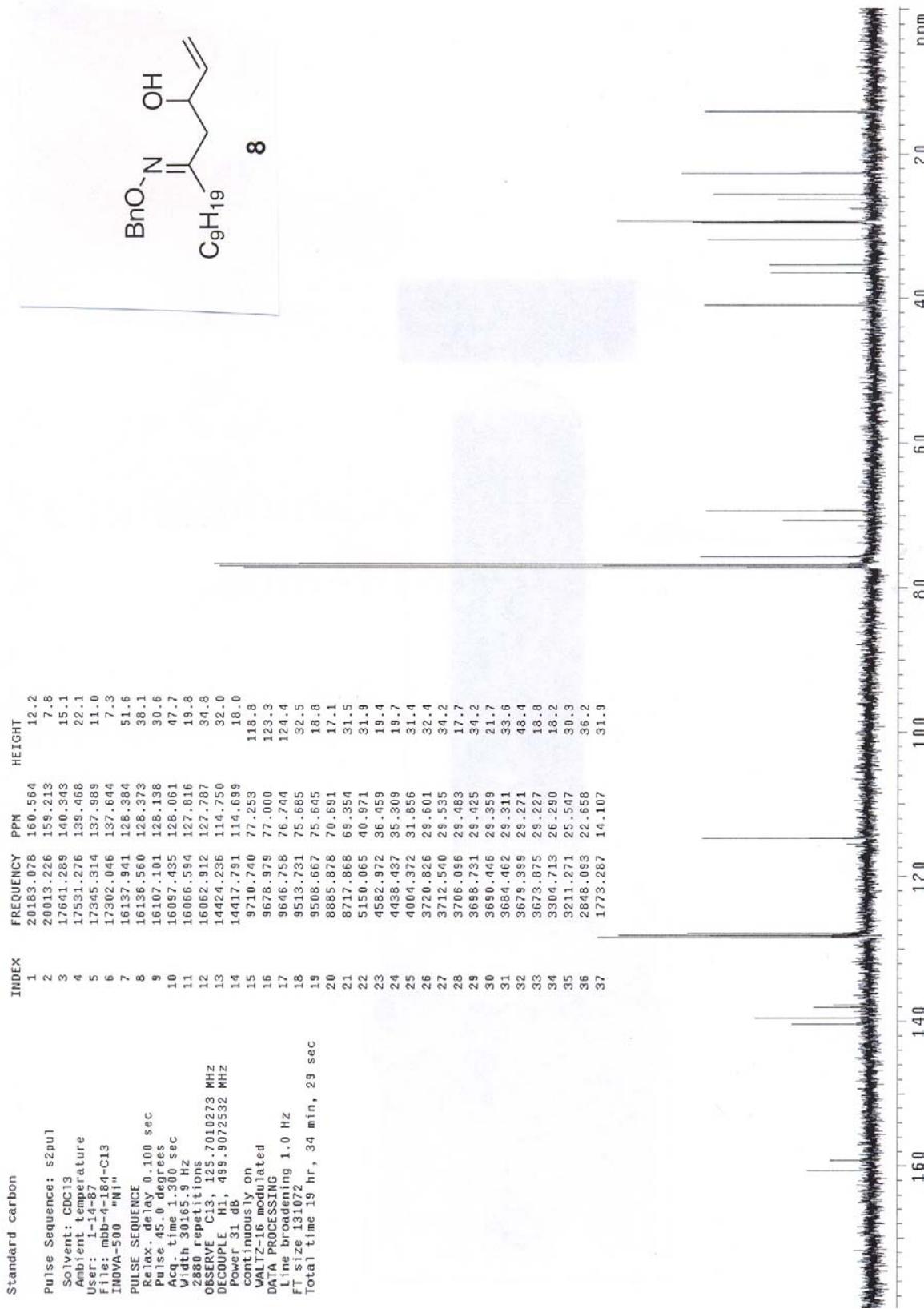
### **Supporting Information (continued).**

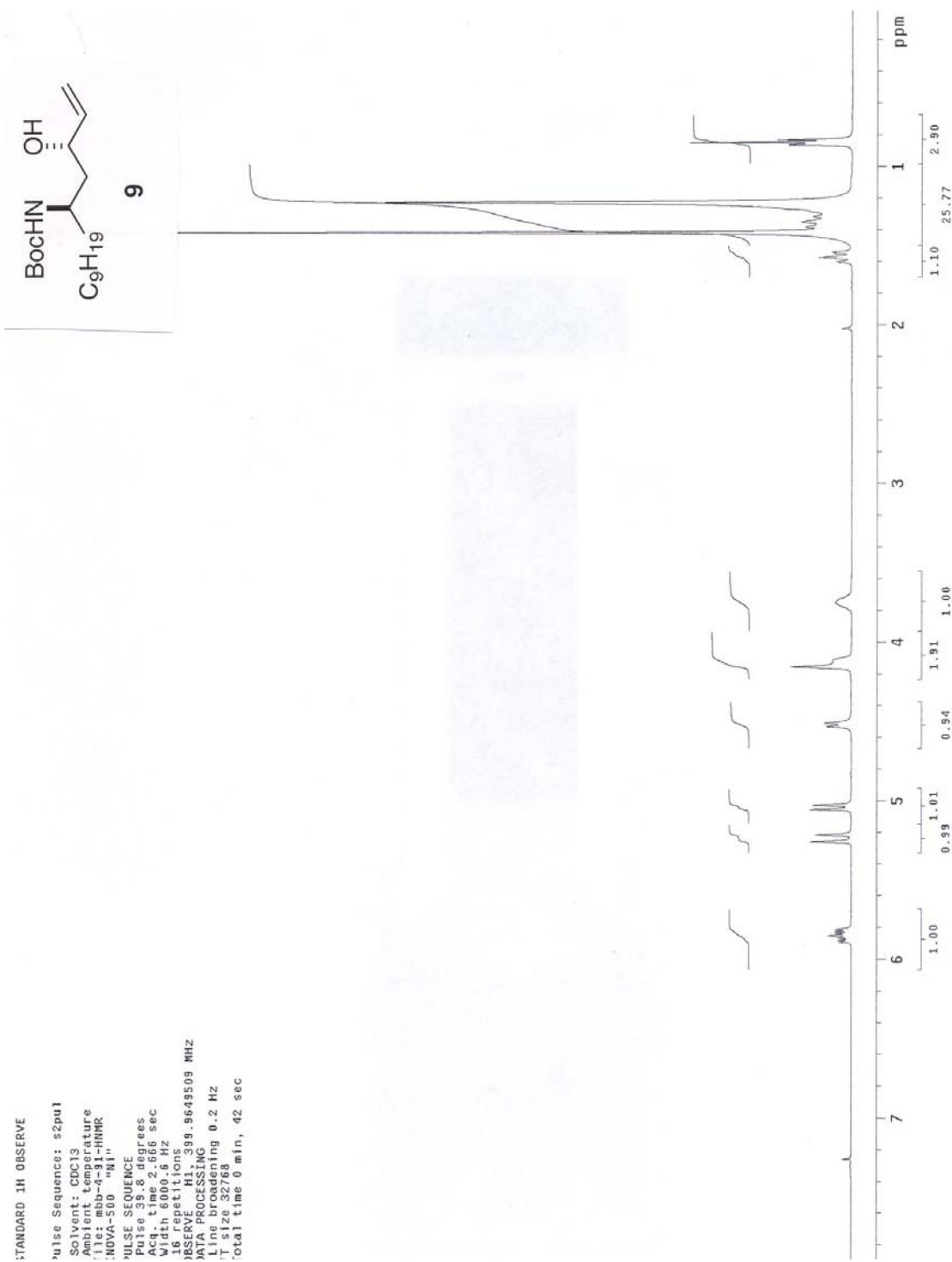
**<sup>1</sup>H and <sup>13</sup>C NMR spectra for compounds in Schemes 2-4 and Tables 1-2**

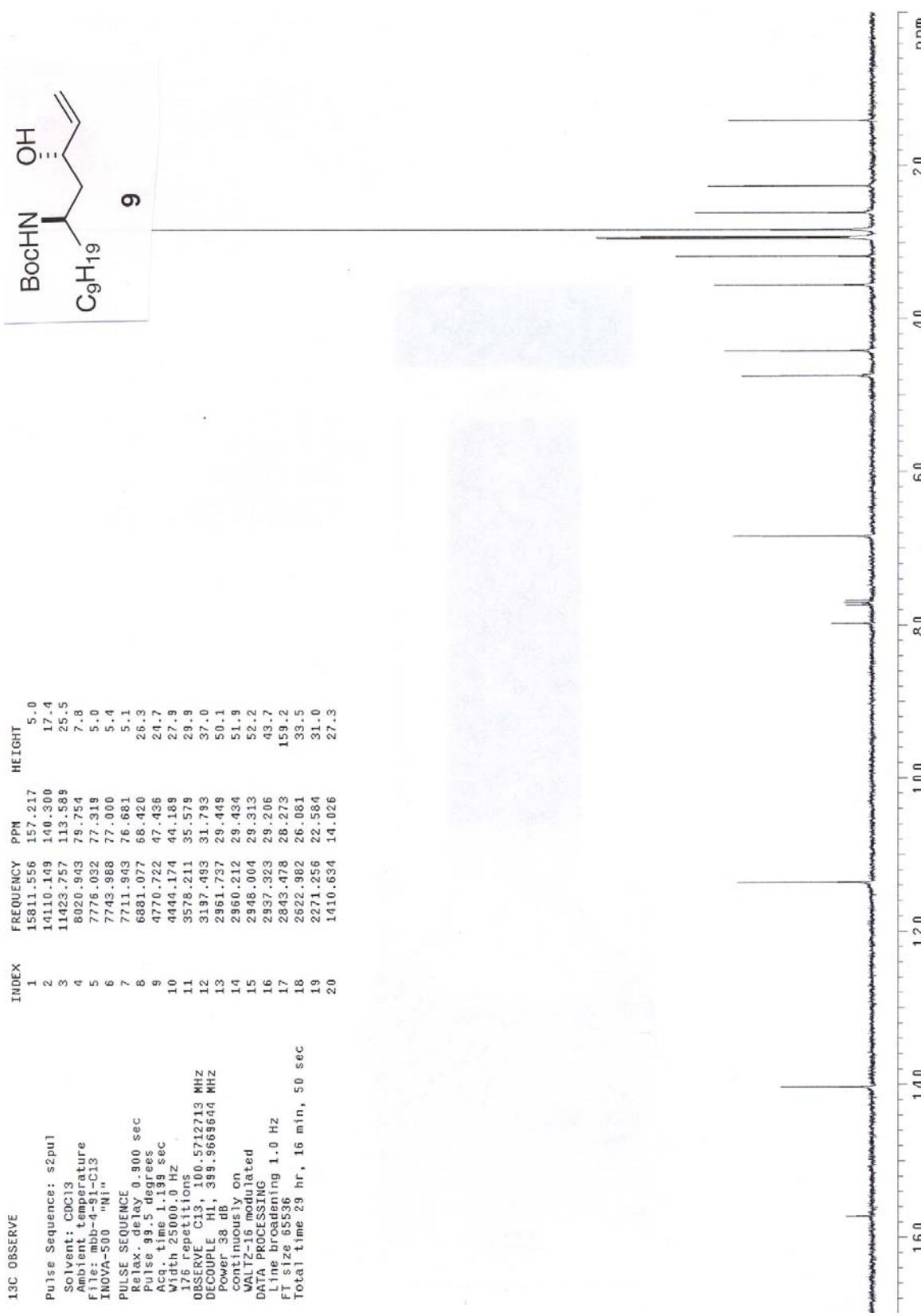


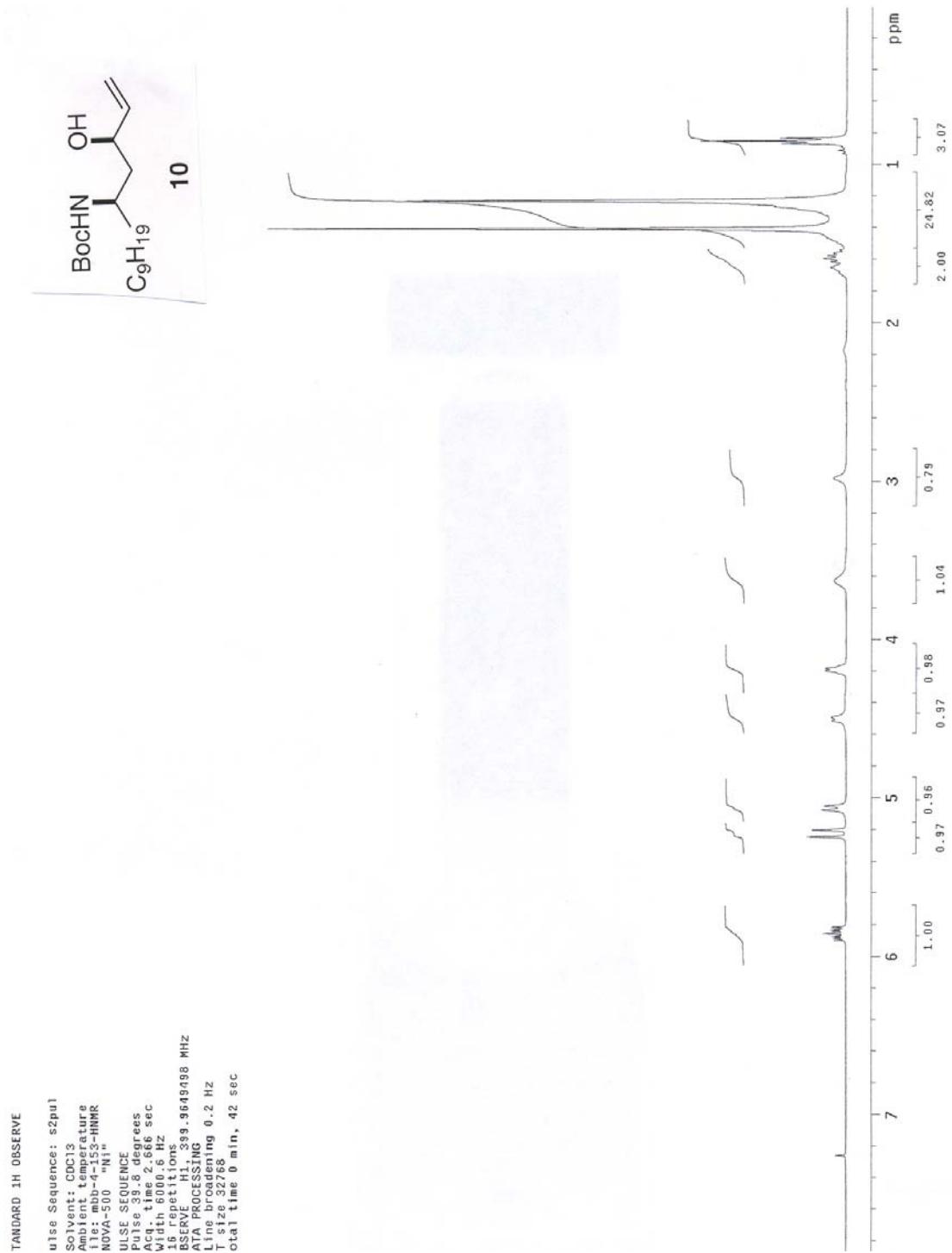


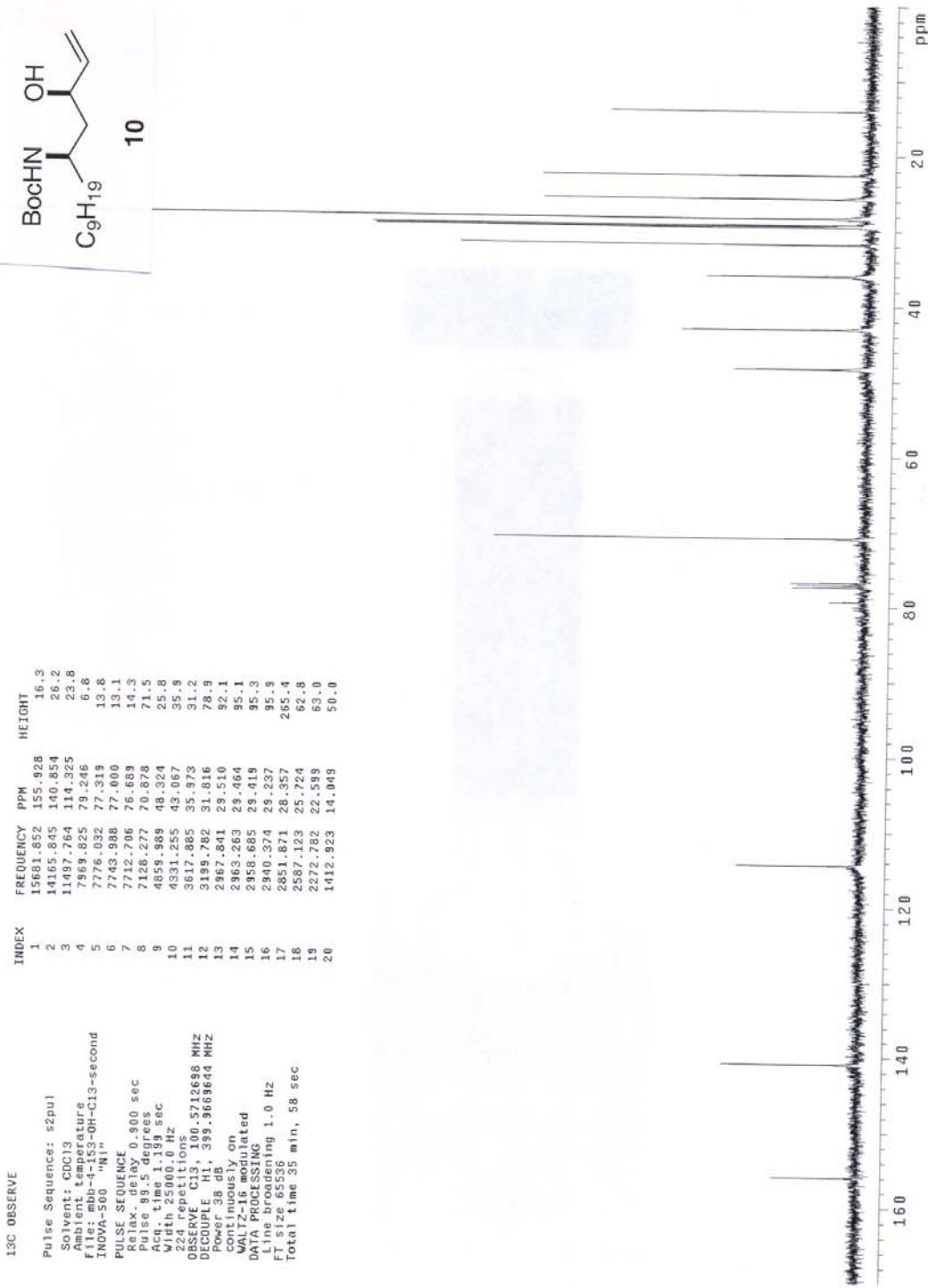


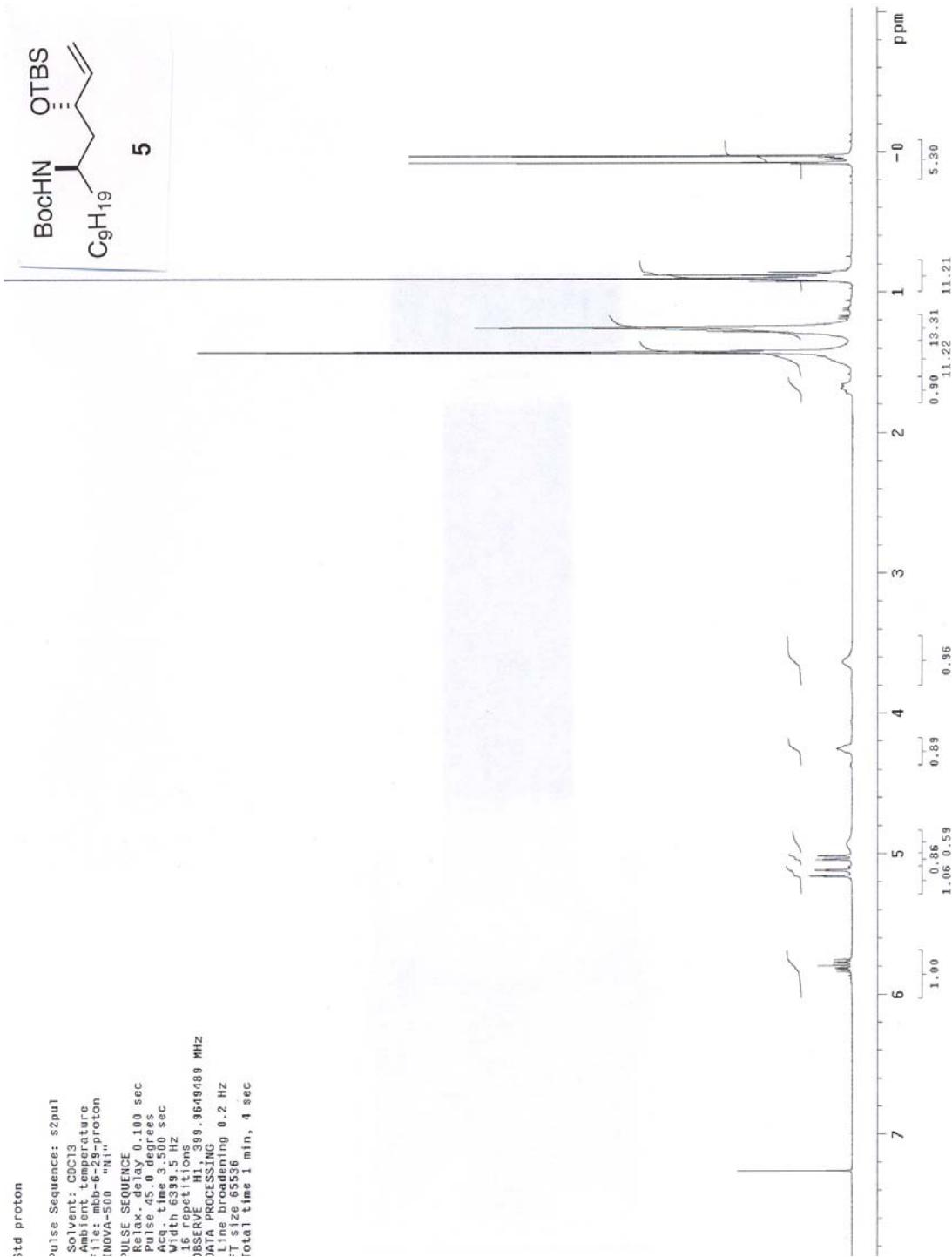


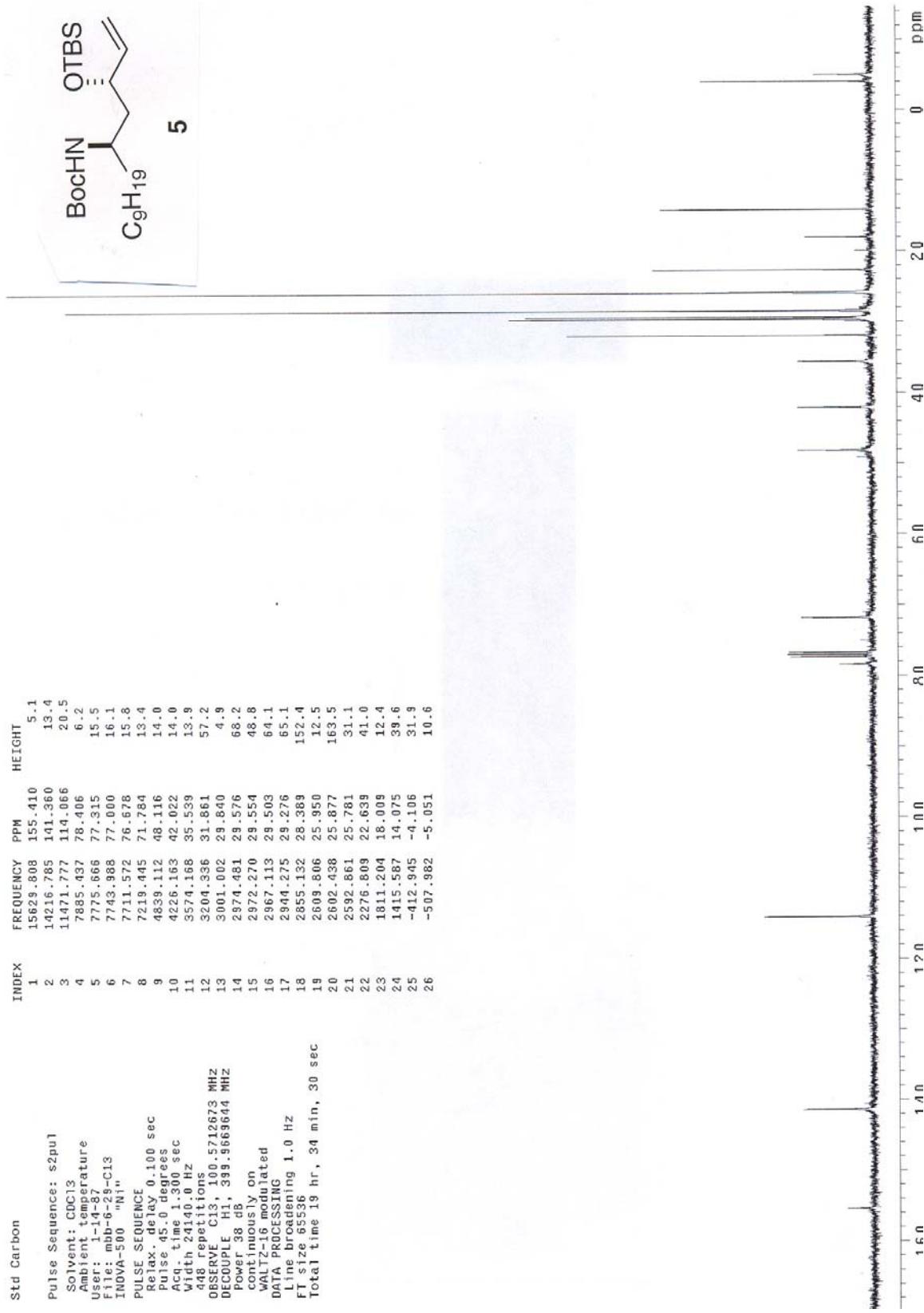


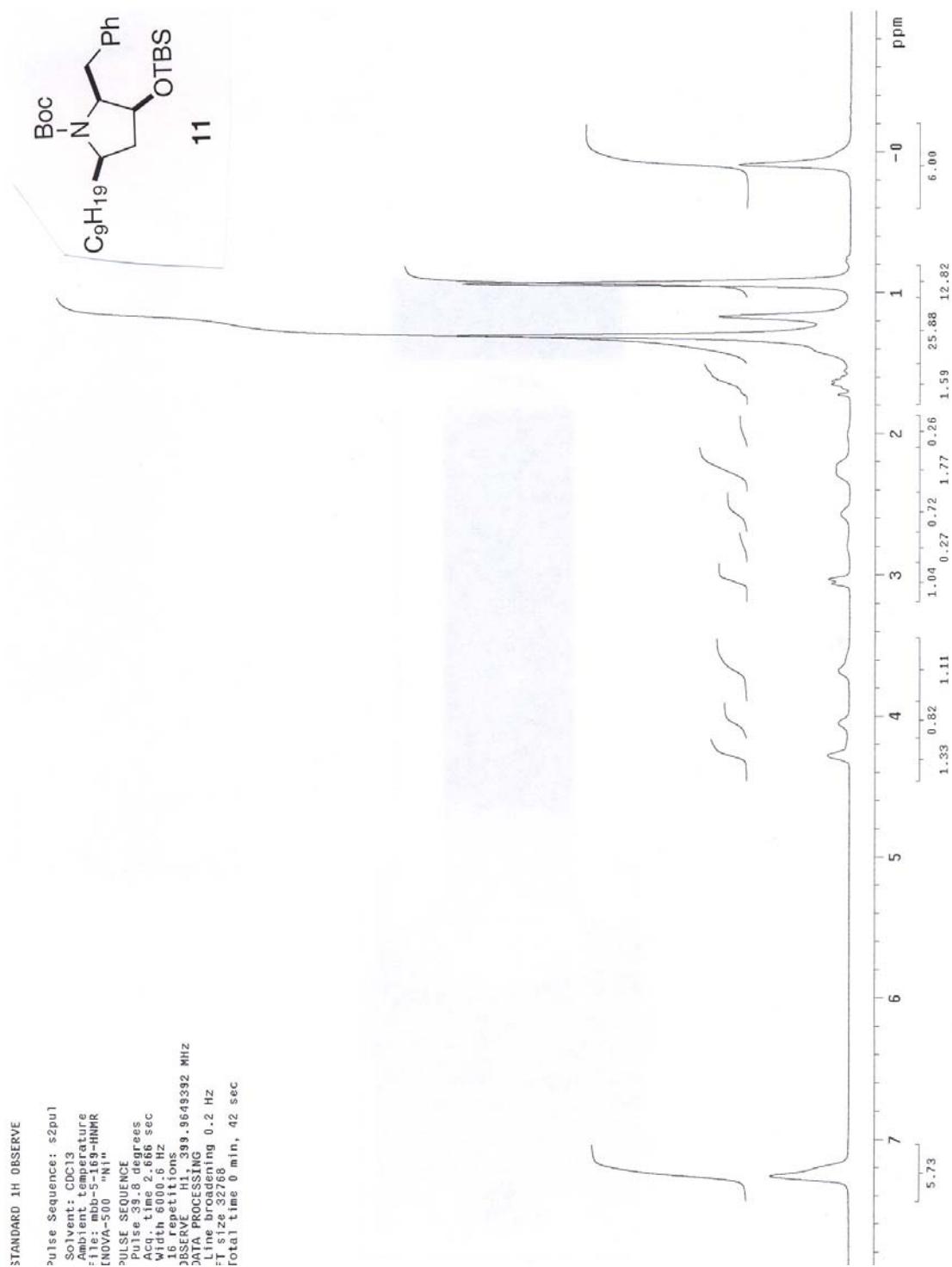


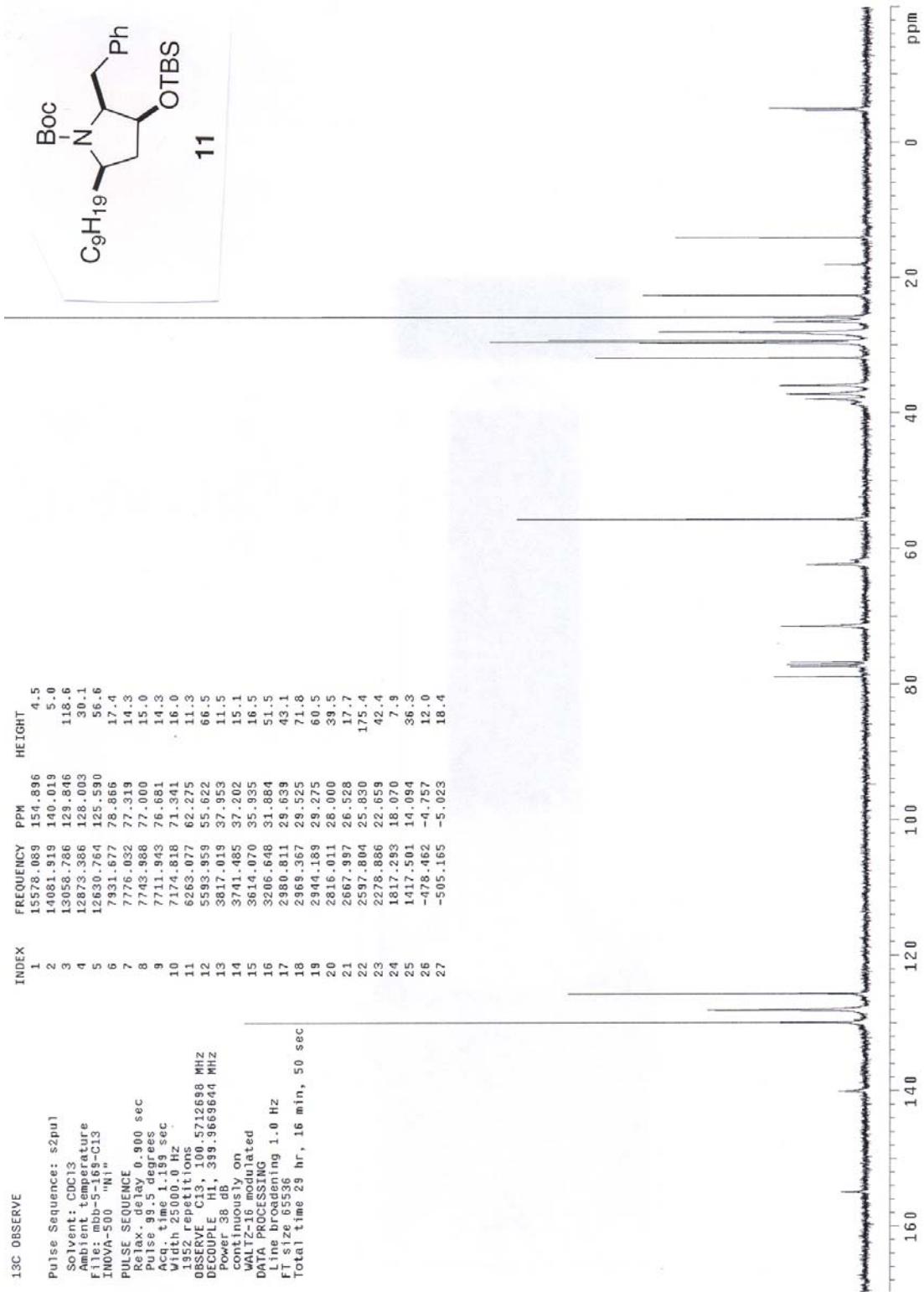


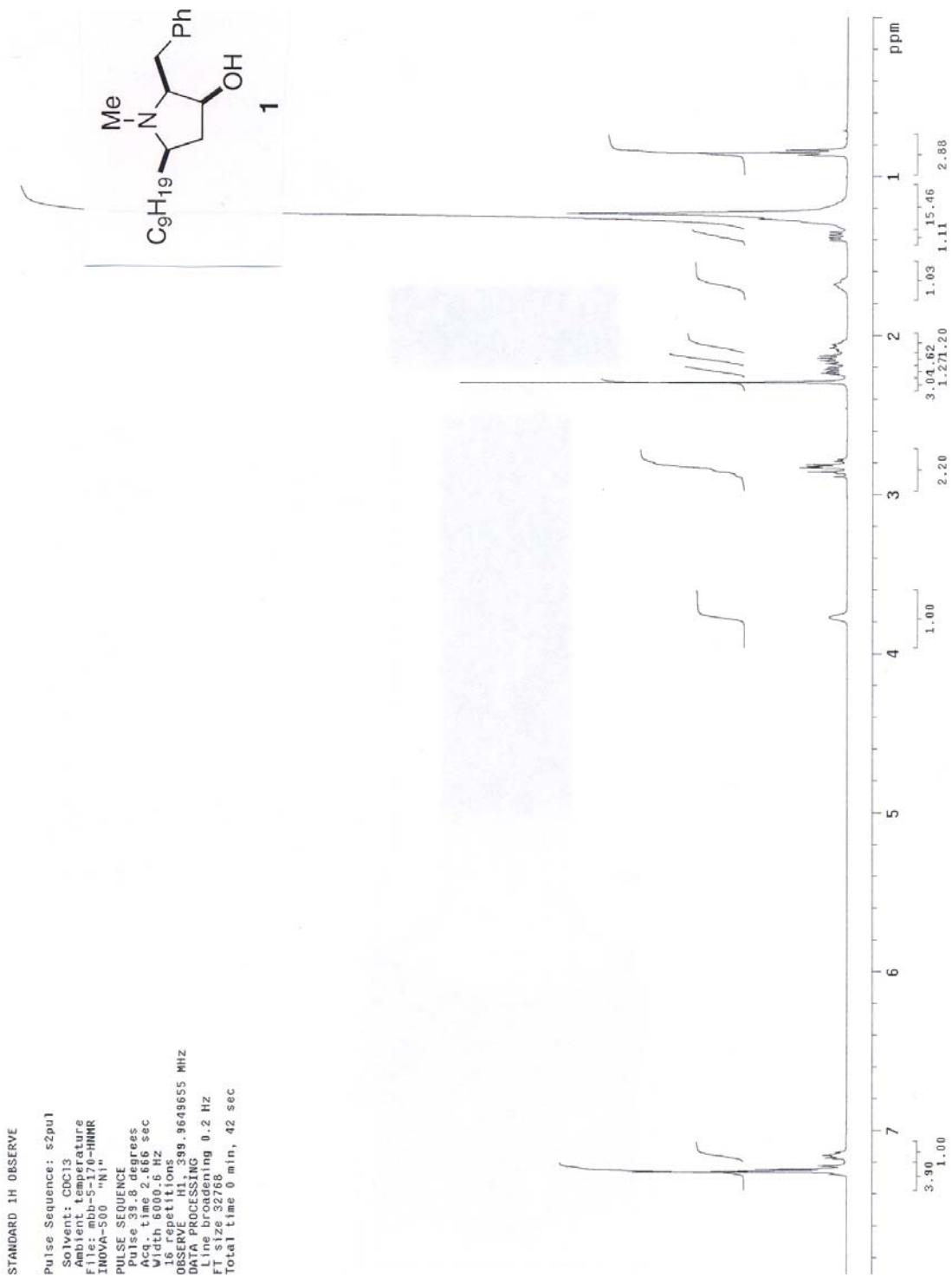


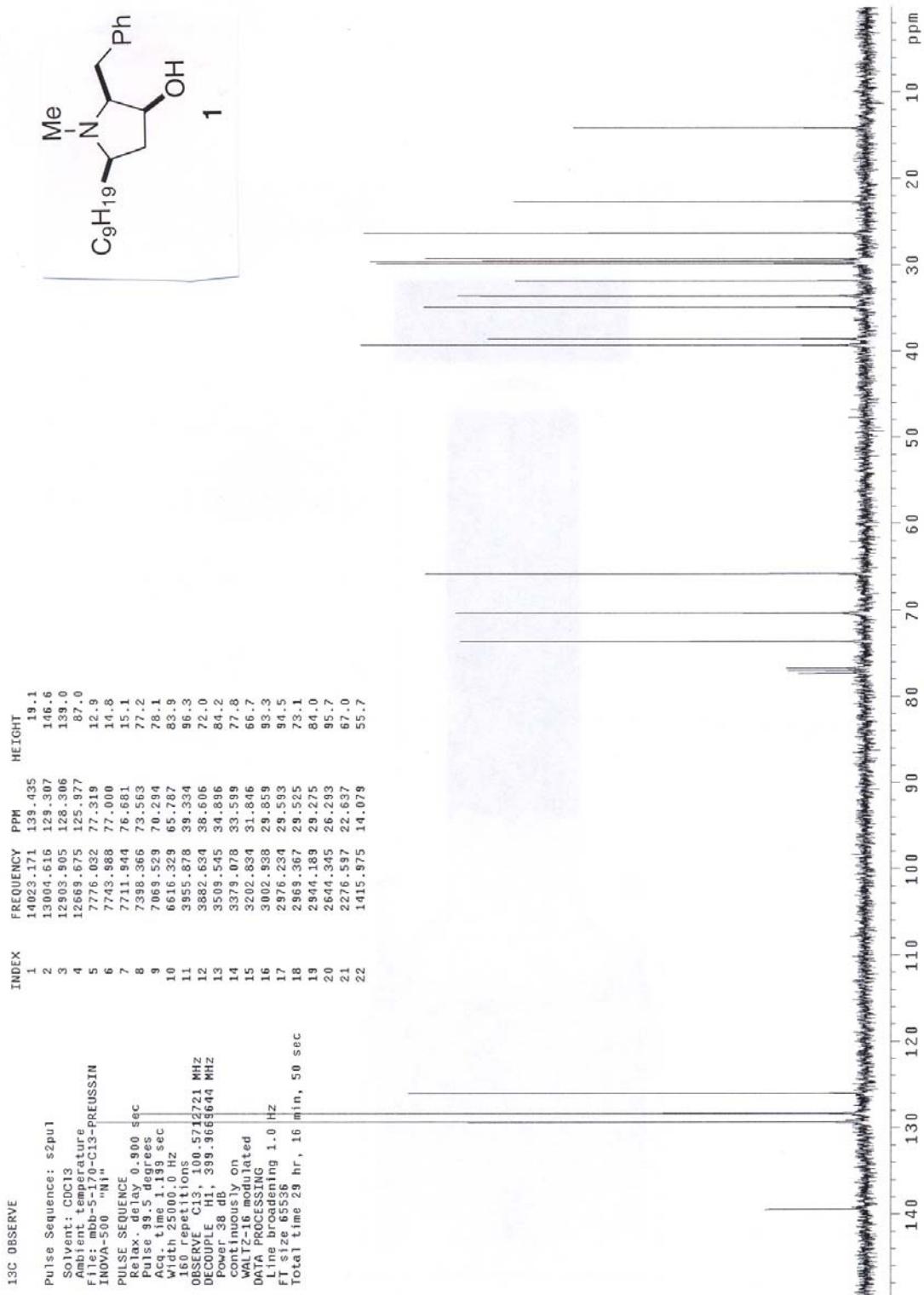


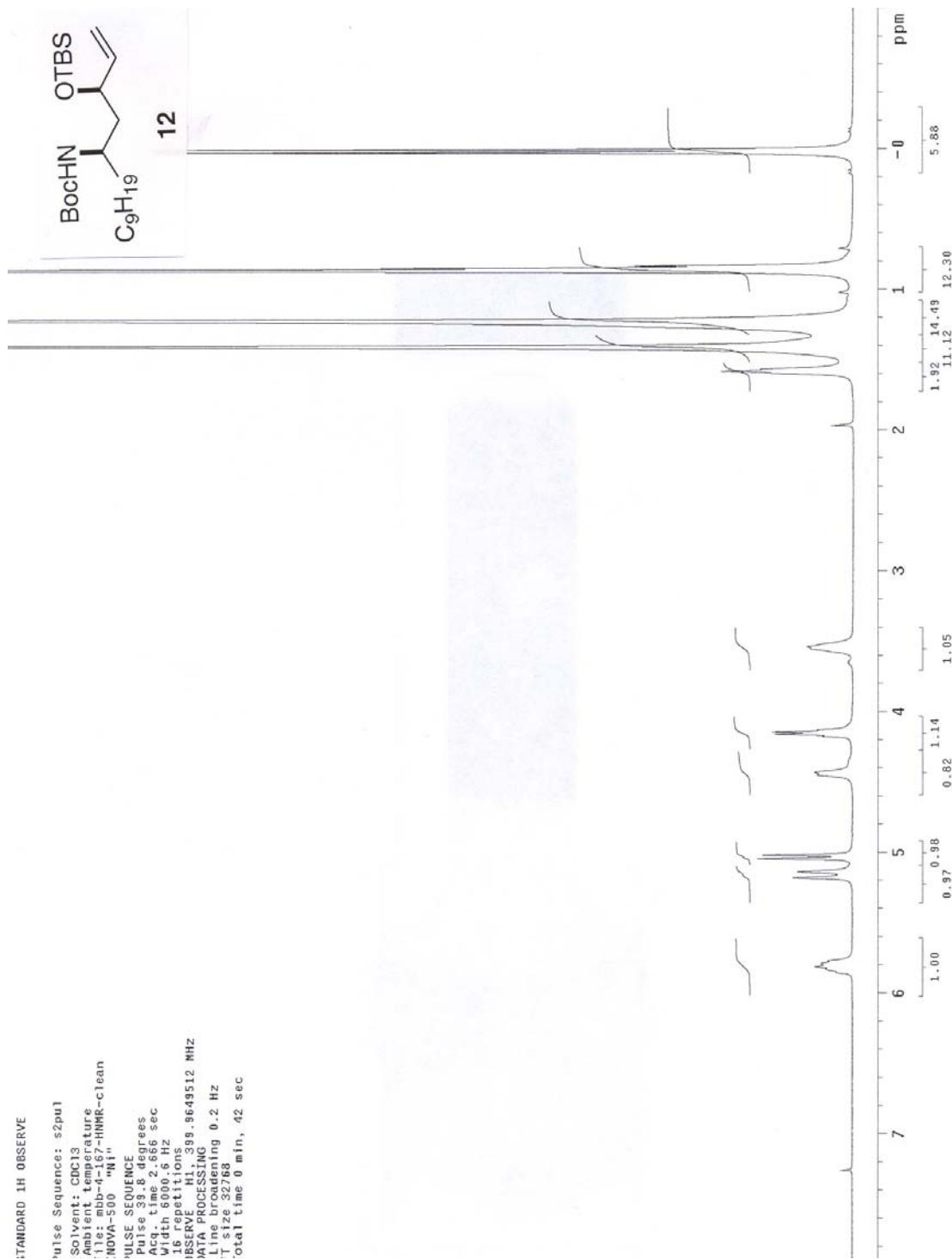


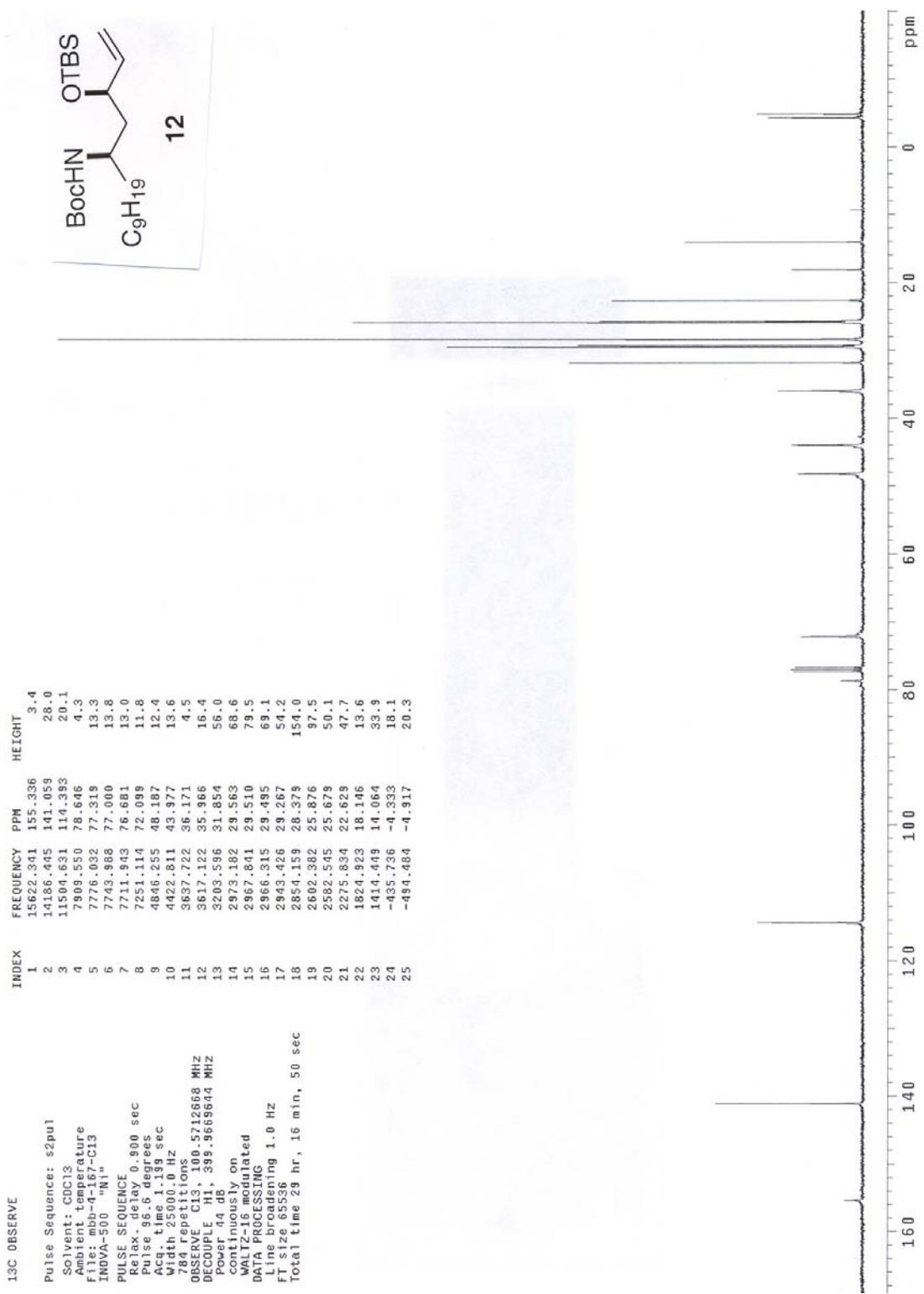










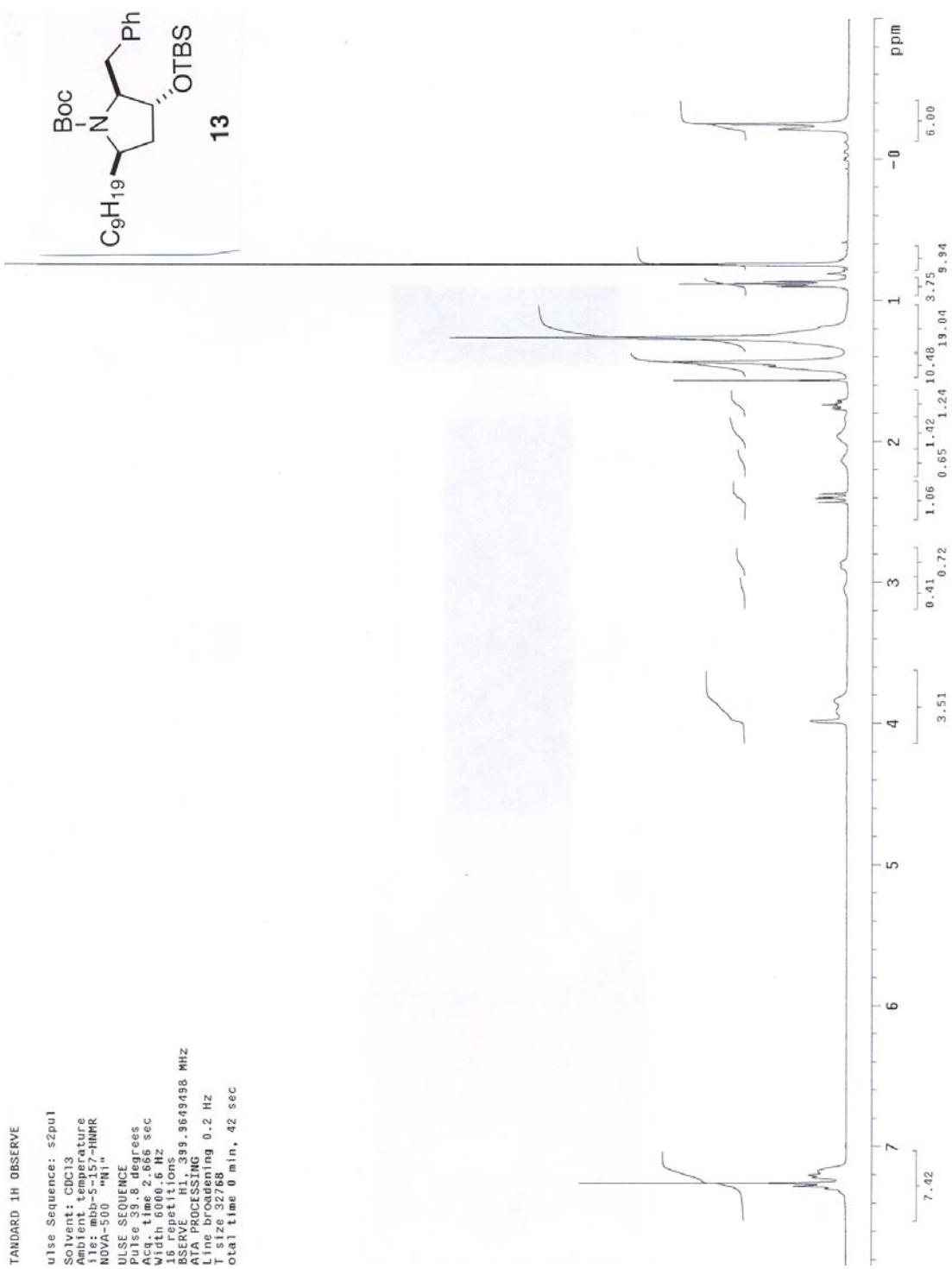


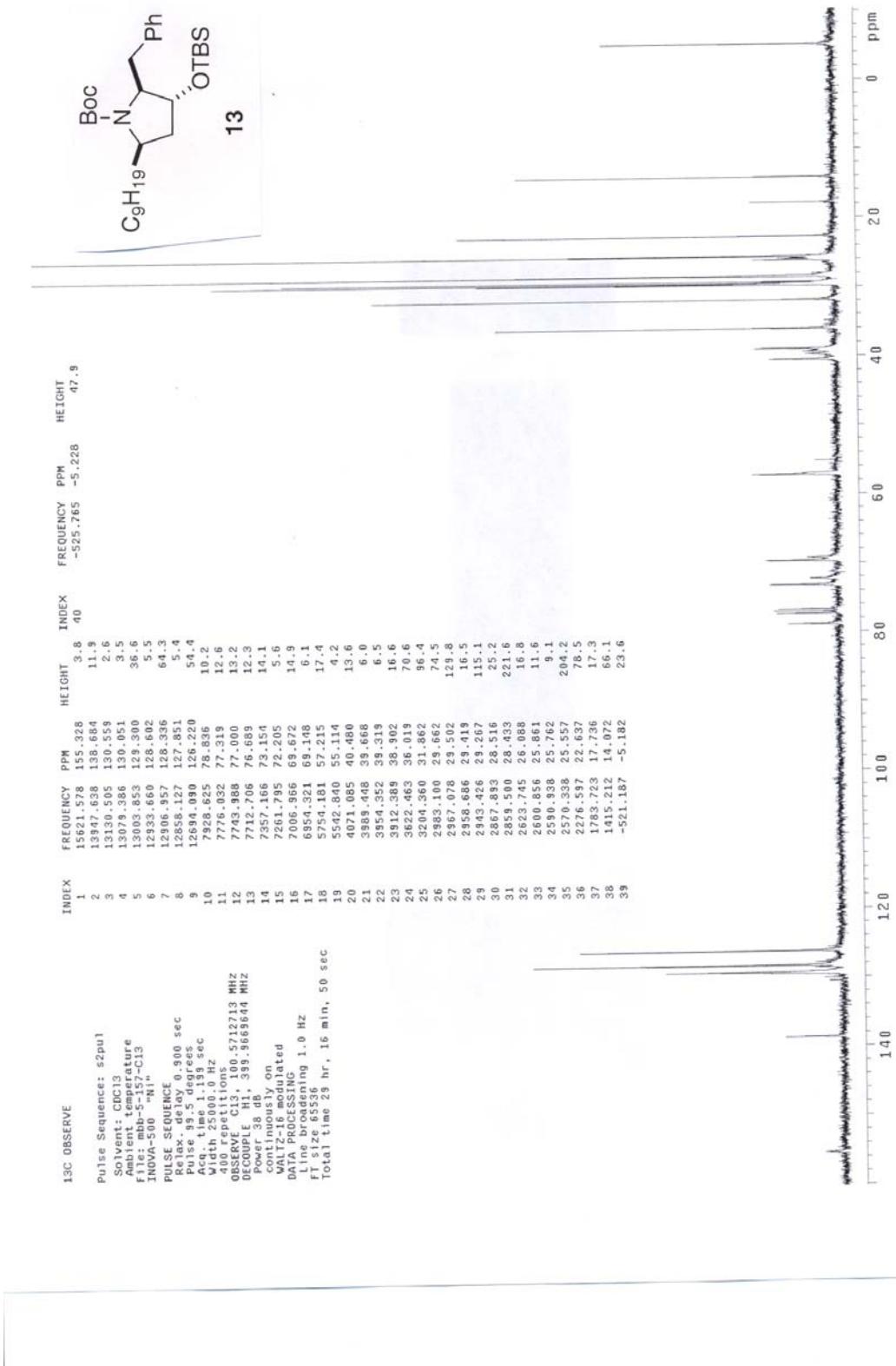
## STANDARD 1H OBSERVE

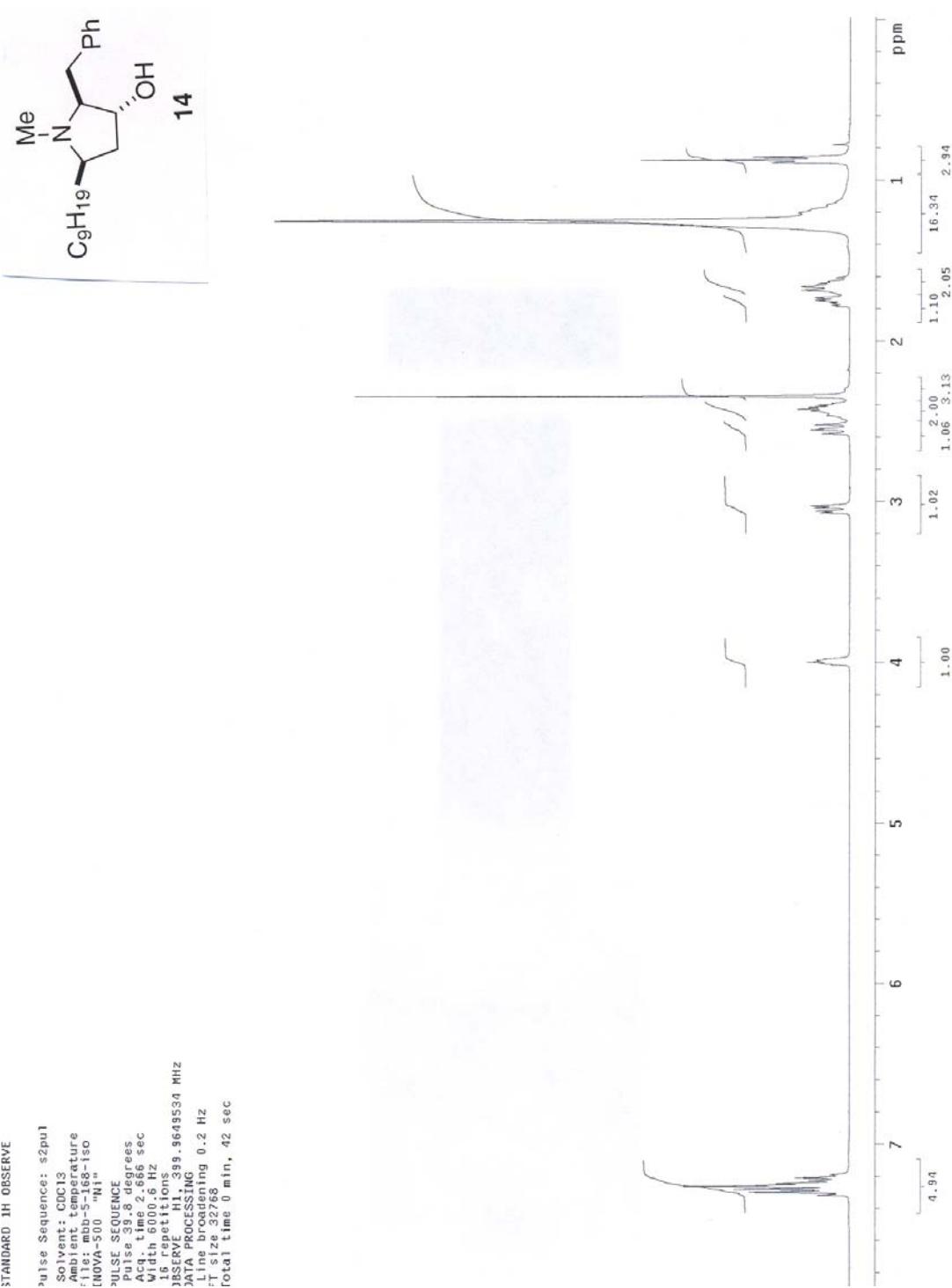
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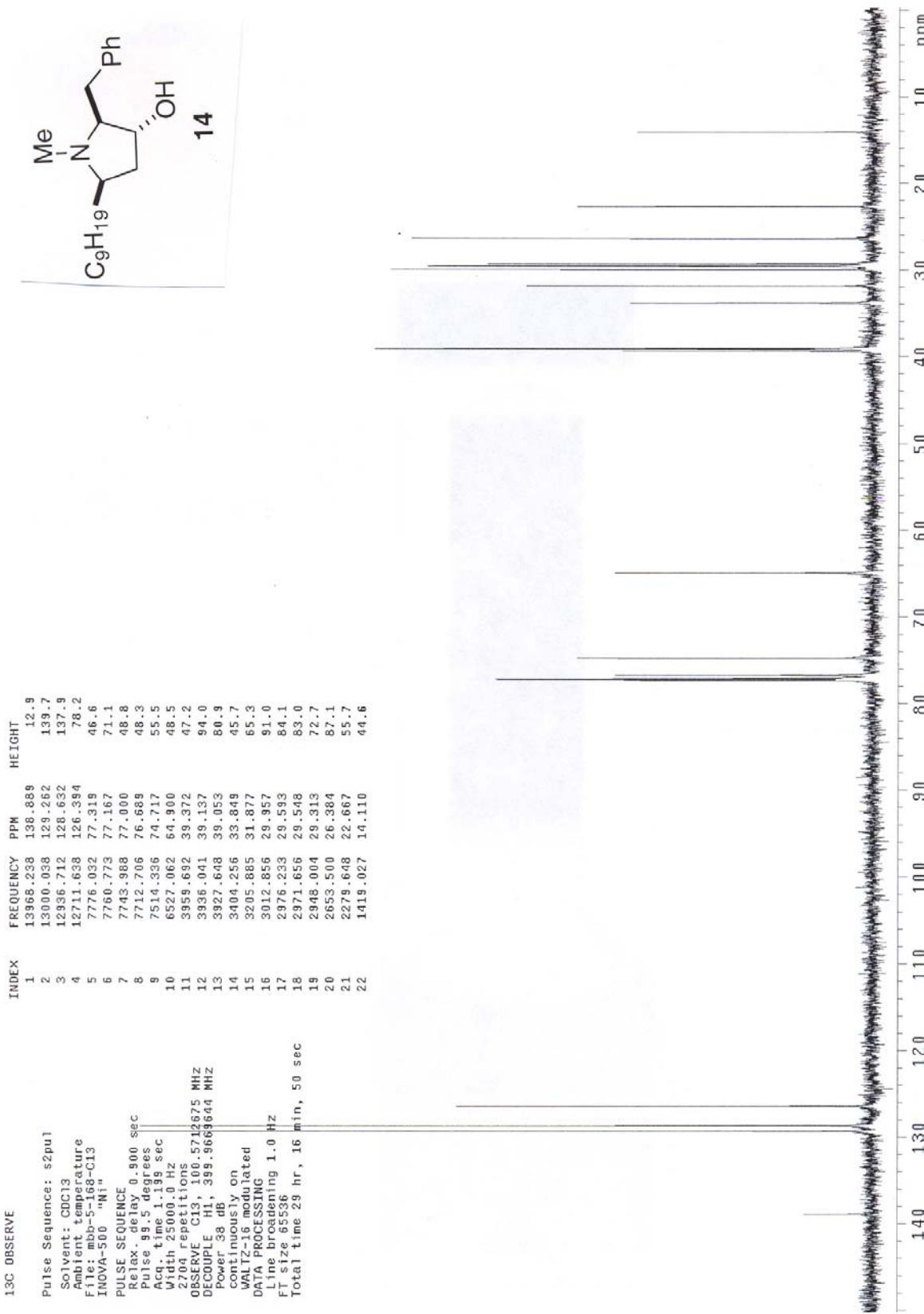
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Solvent: CDCl3
Ambient temperature
1e: mbb-5-157-HMRS
NOVA-500 "H1"
PULSE SEQUENCE
Pulse 39.8 degrees
Acq. time 2.66 sec
16 repetitions
Width 6000.6 Hz
BSERVE H1, 399.9649458 MHz
ATA PROCESSING
Line broadening 0.2 Hz
T size 32768
Total time 0 min, 42 sec

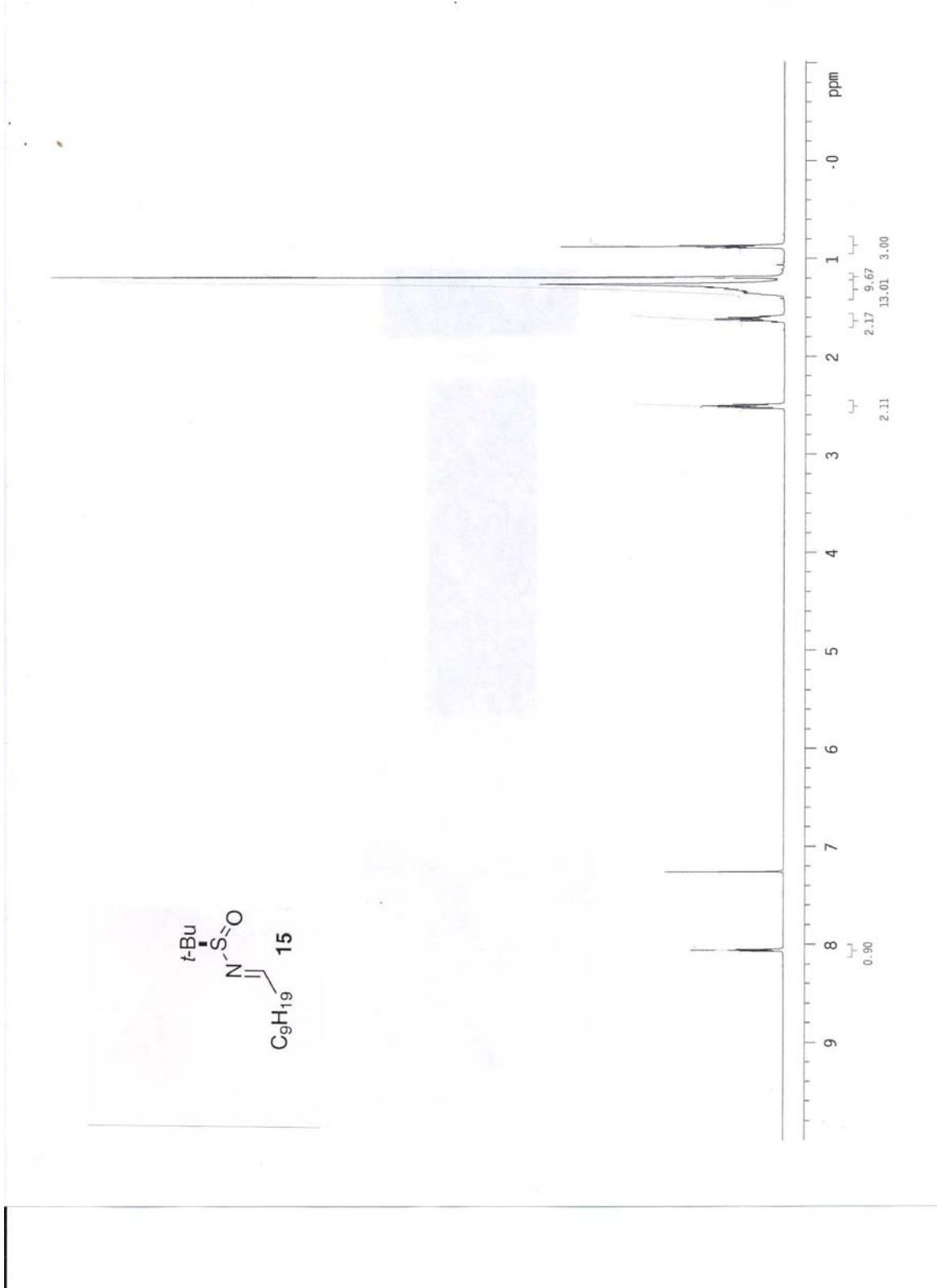
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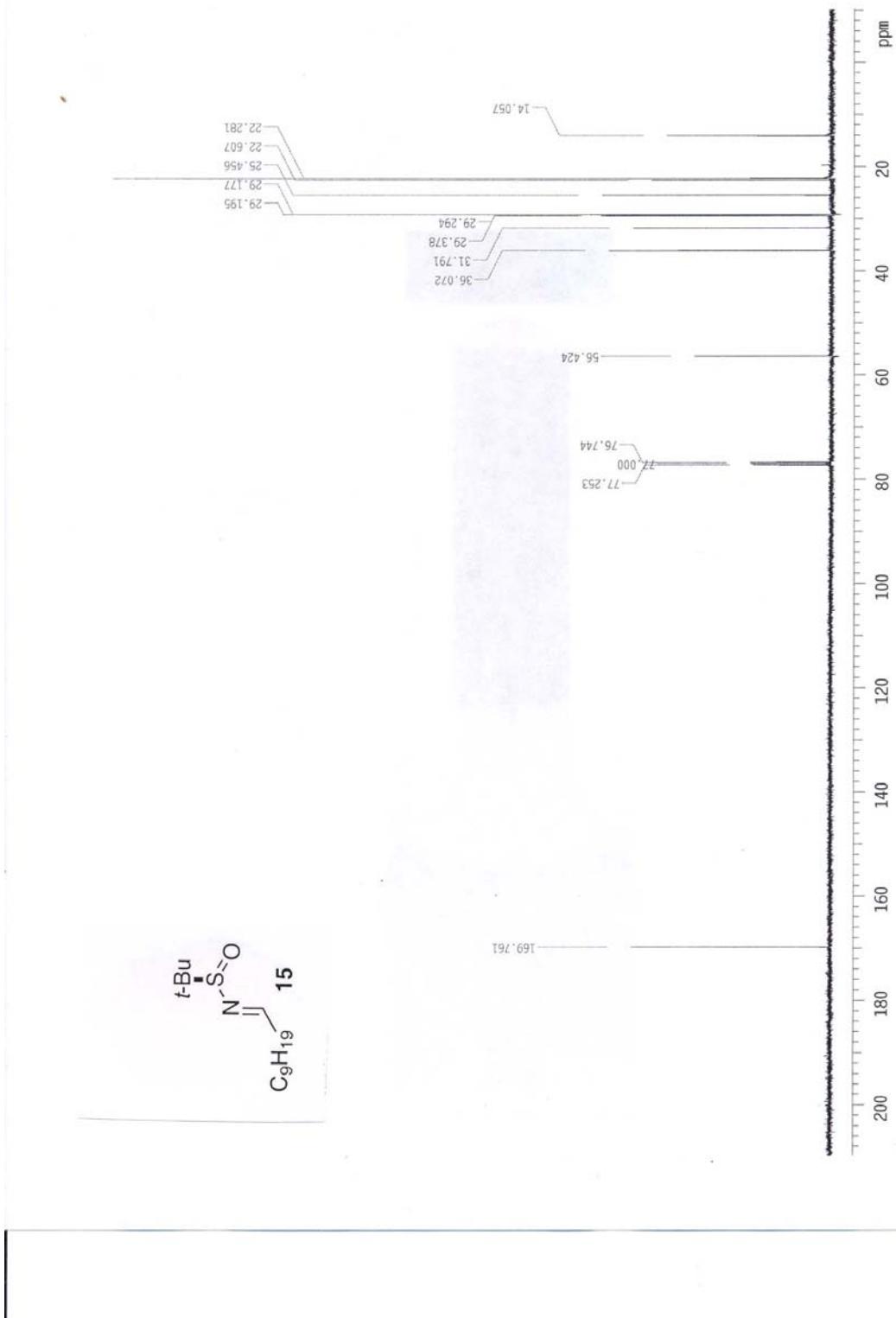


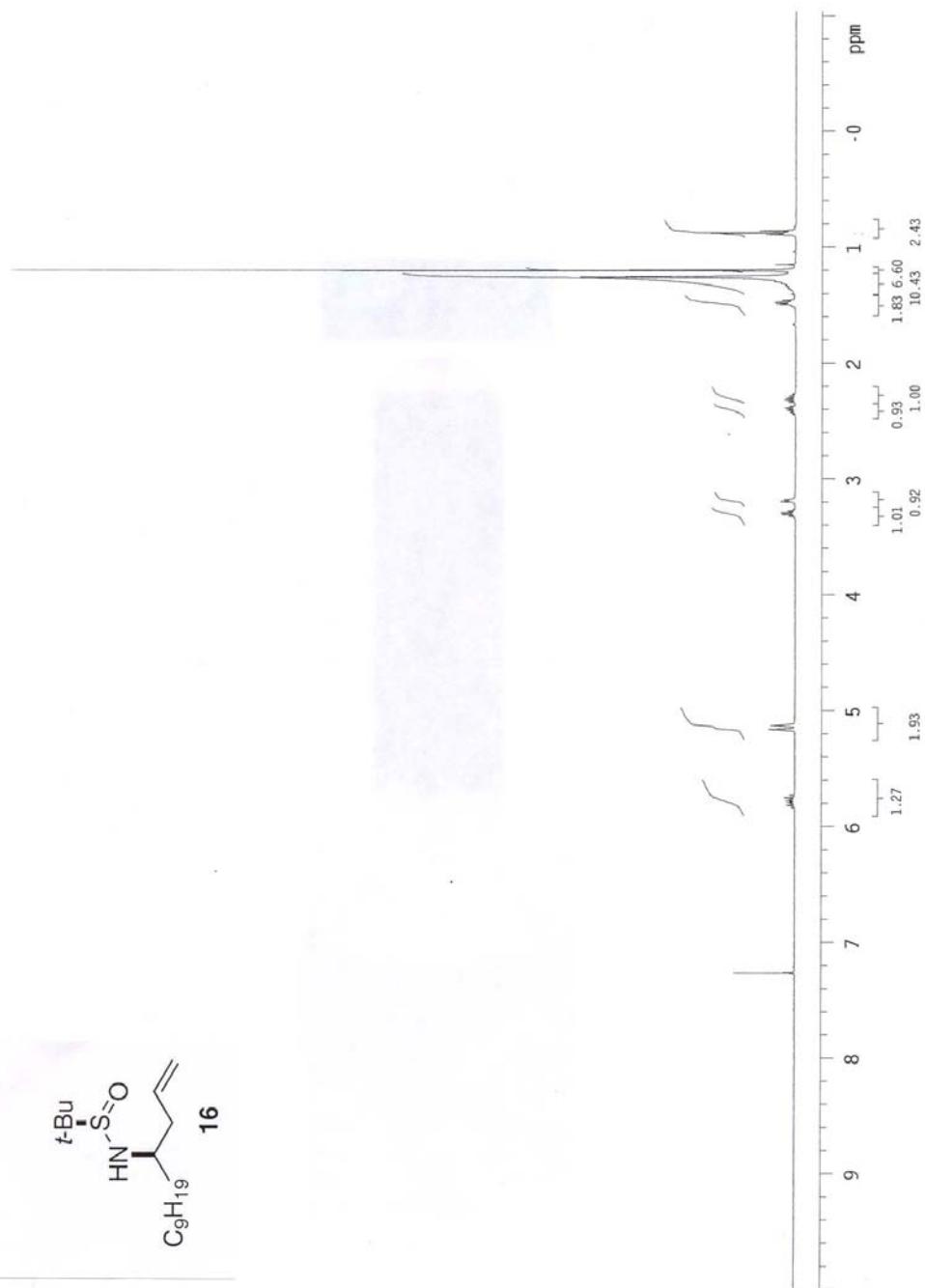


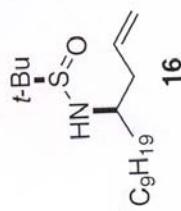
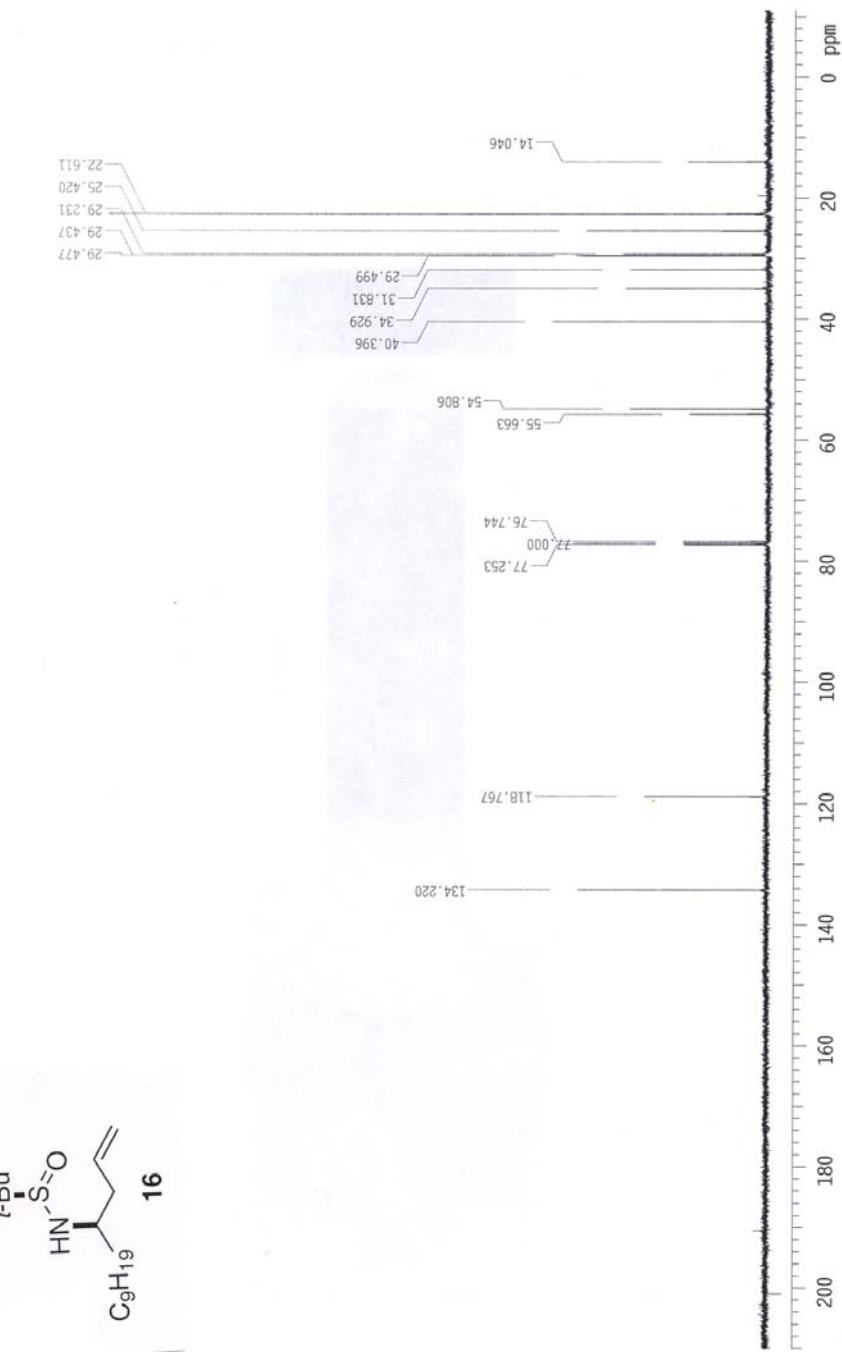


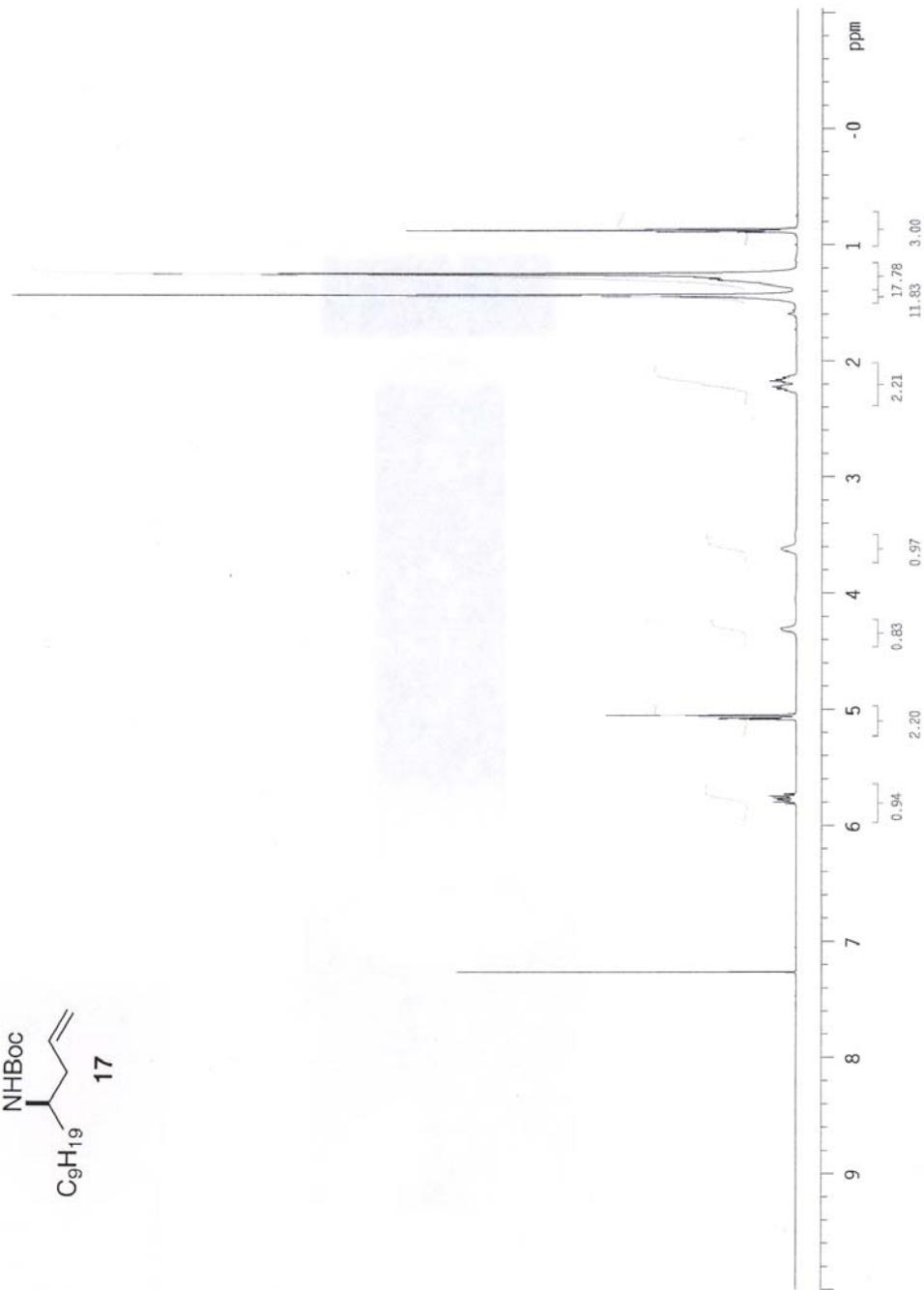
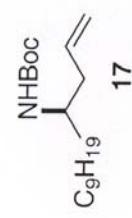


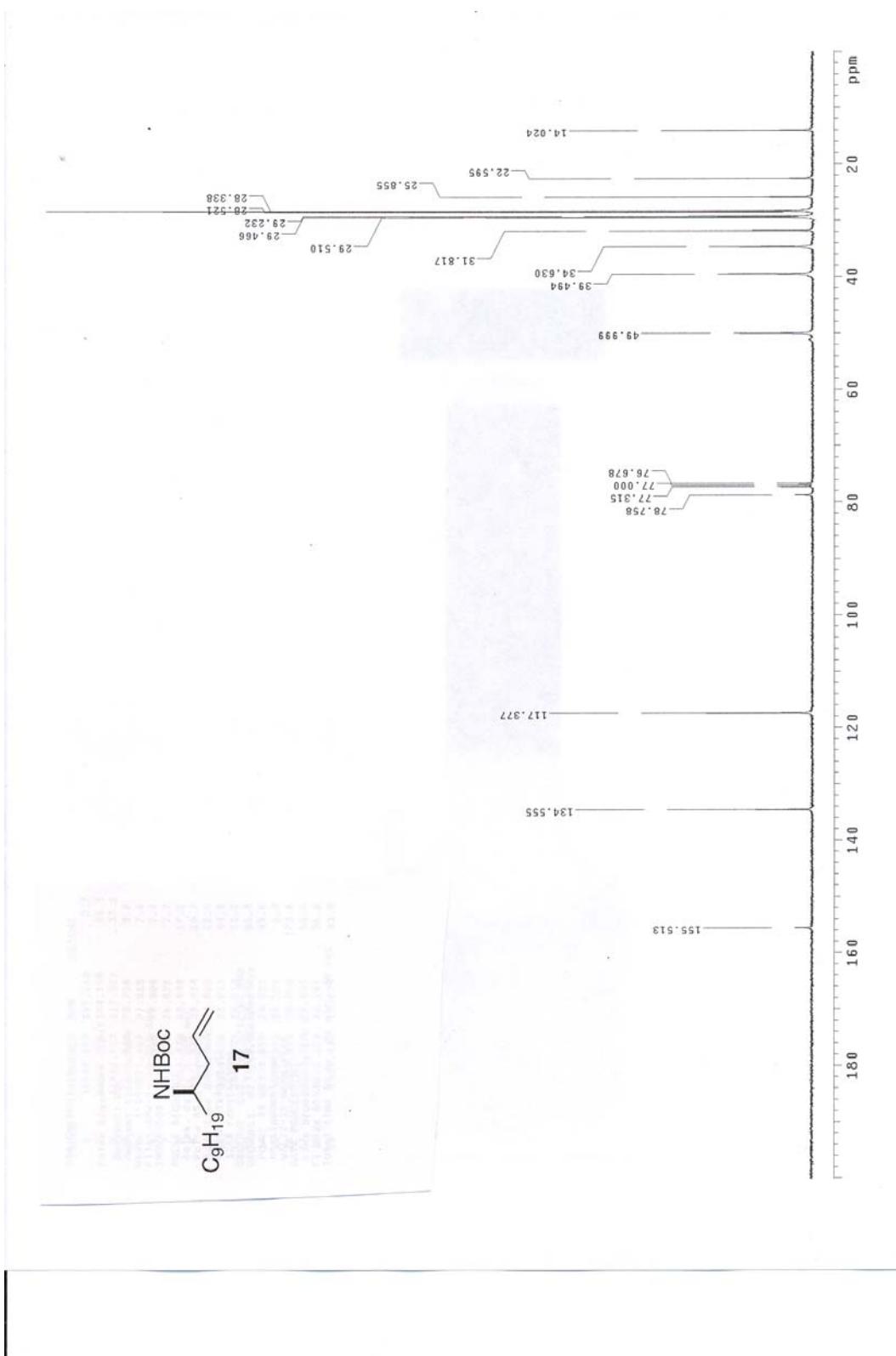


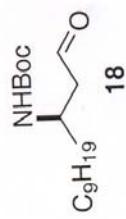
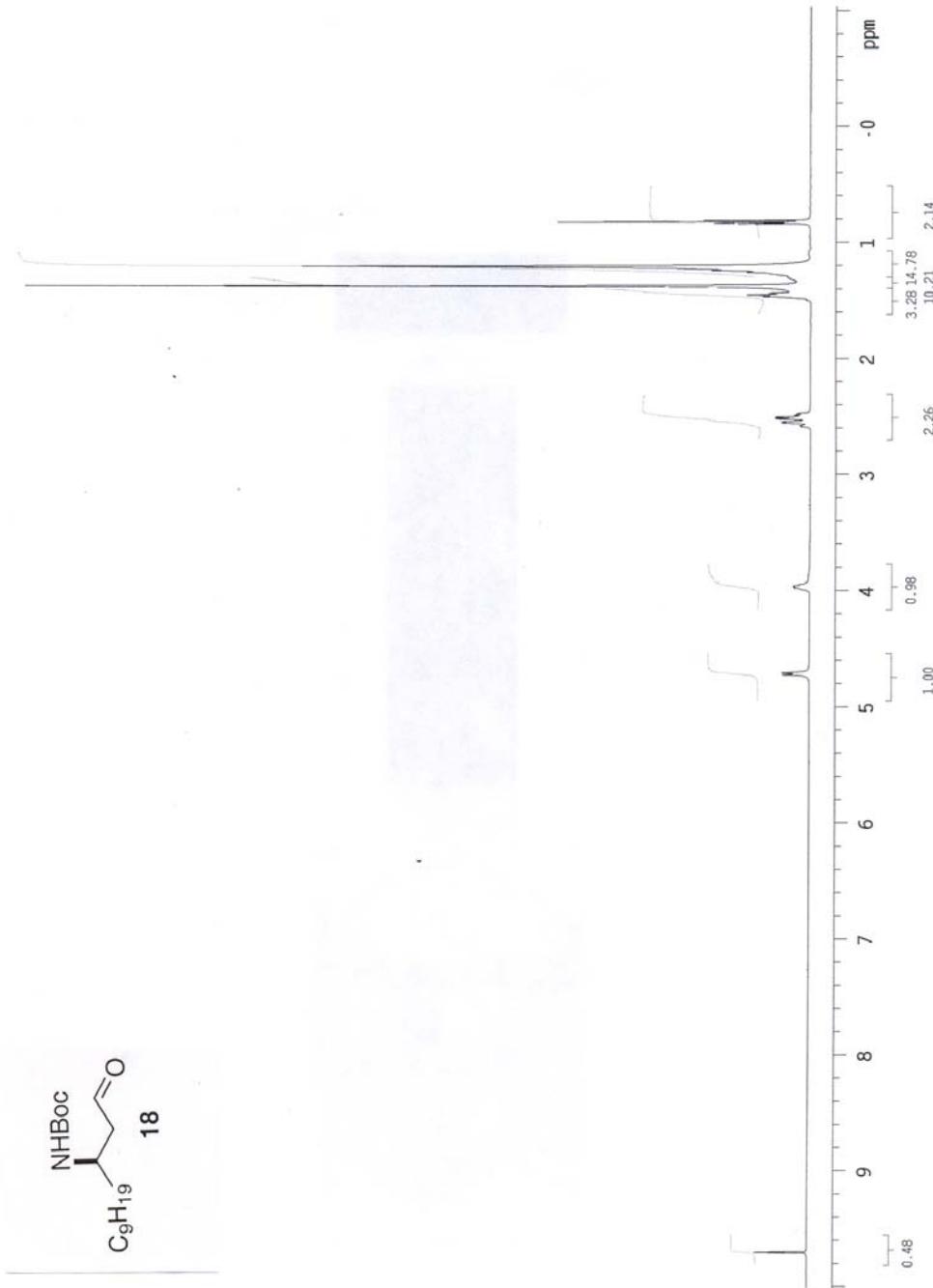


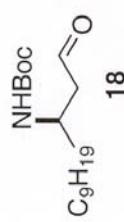
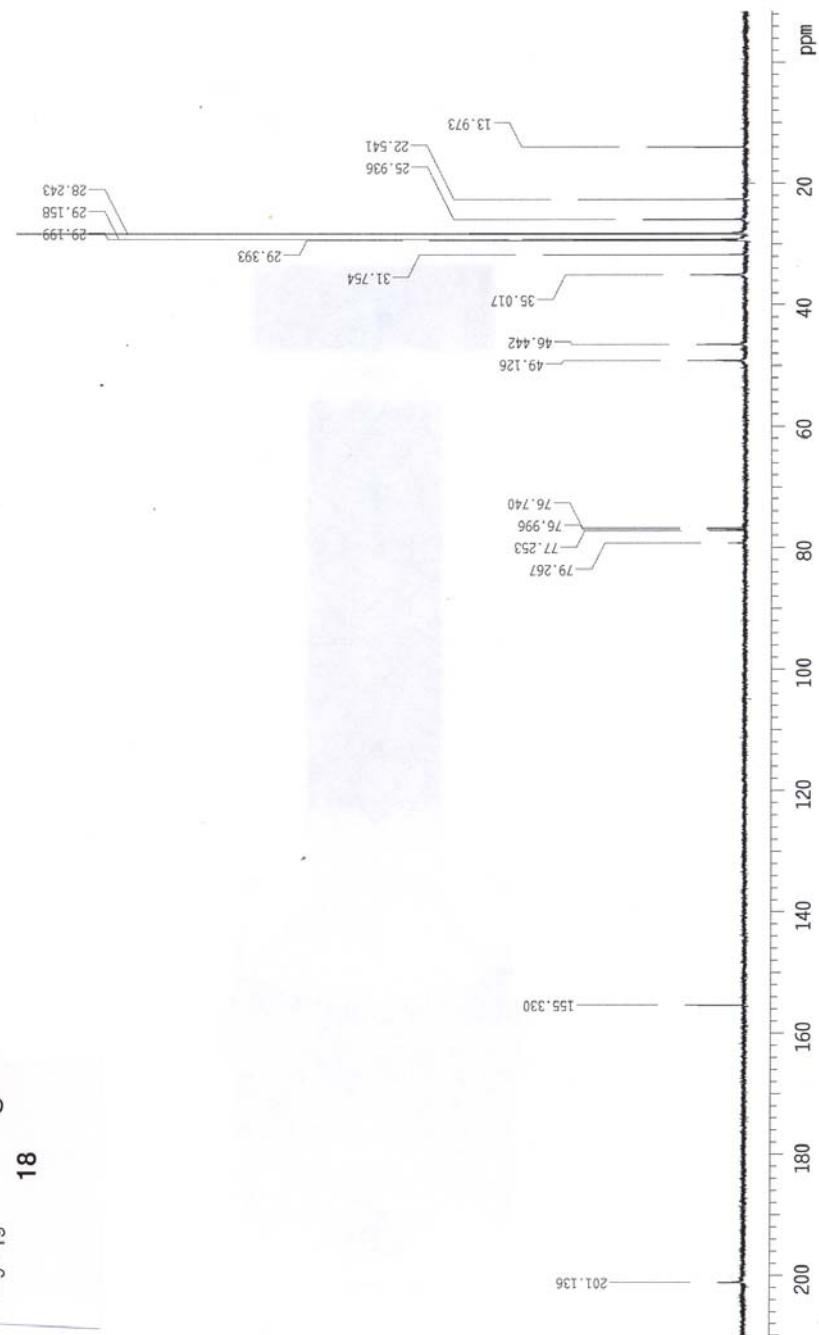


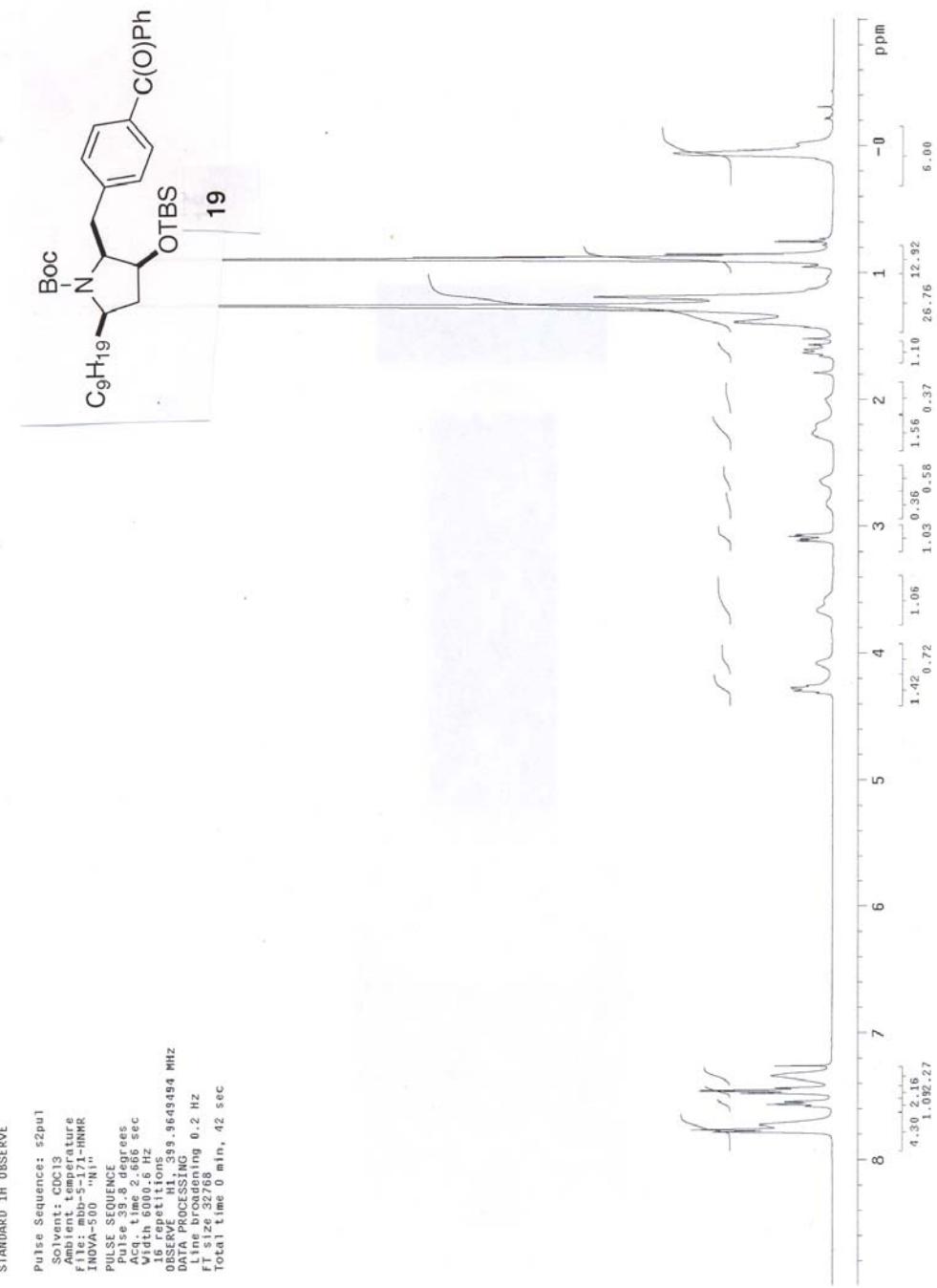


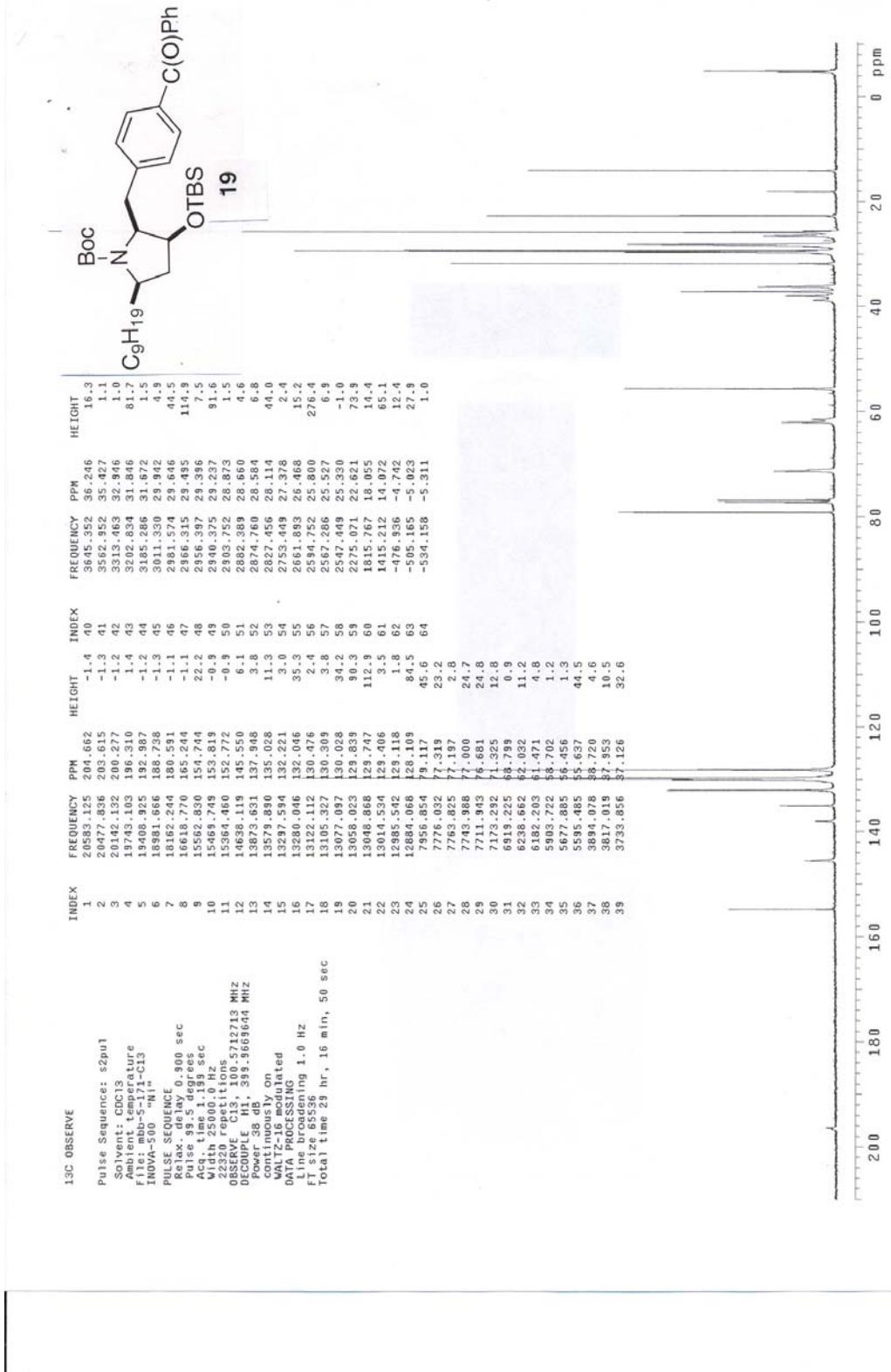


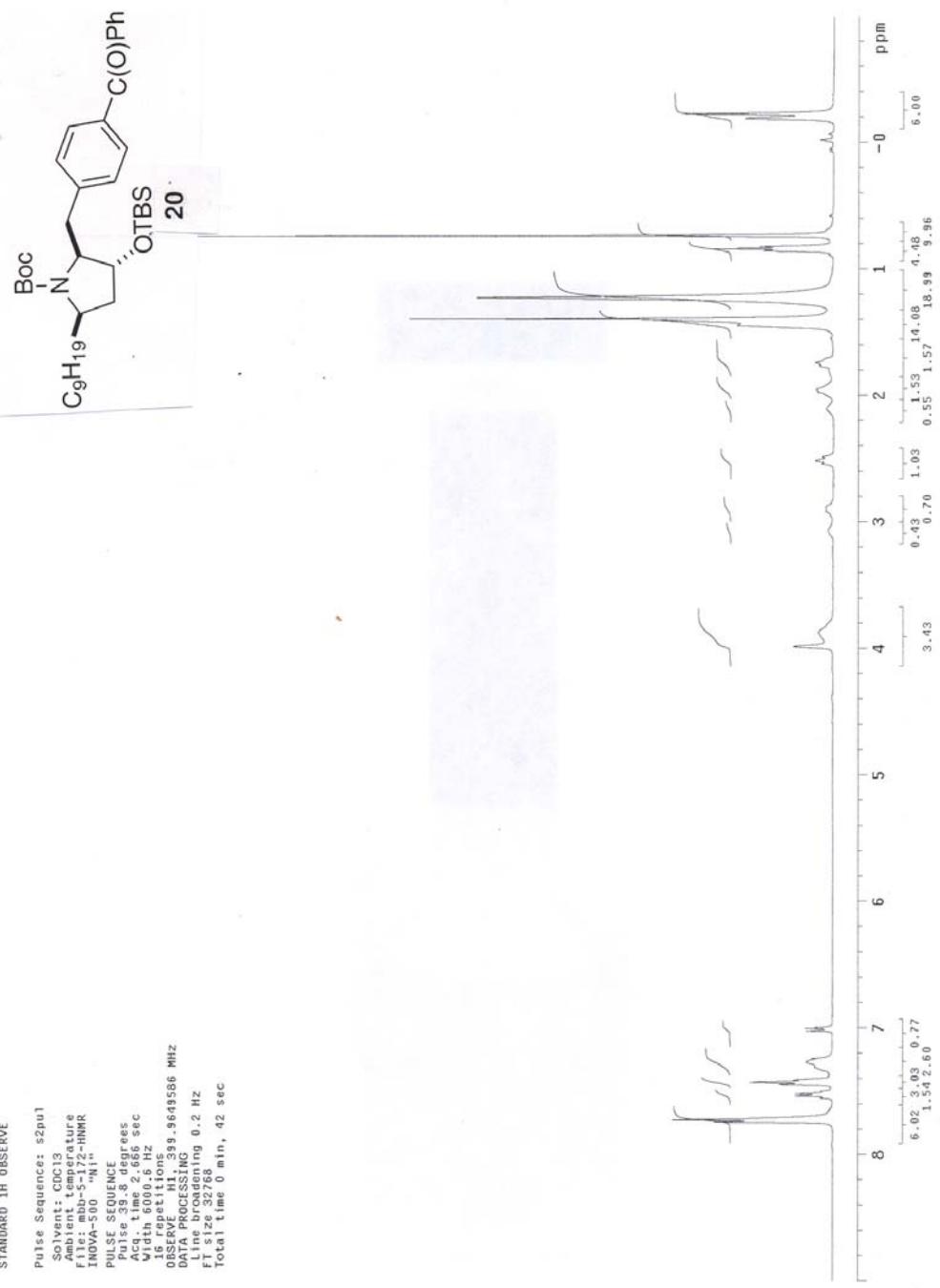


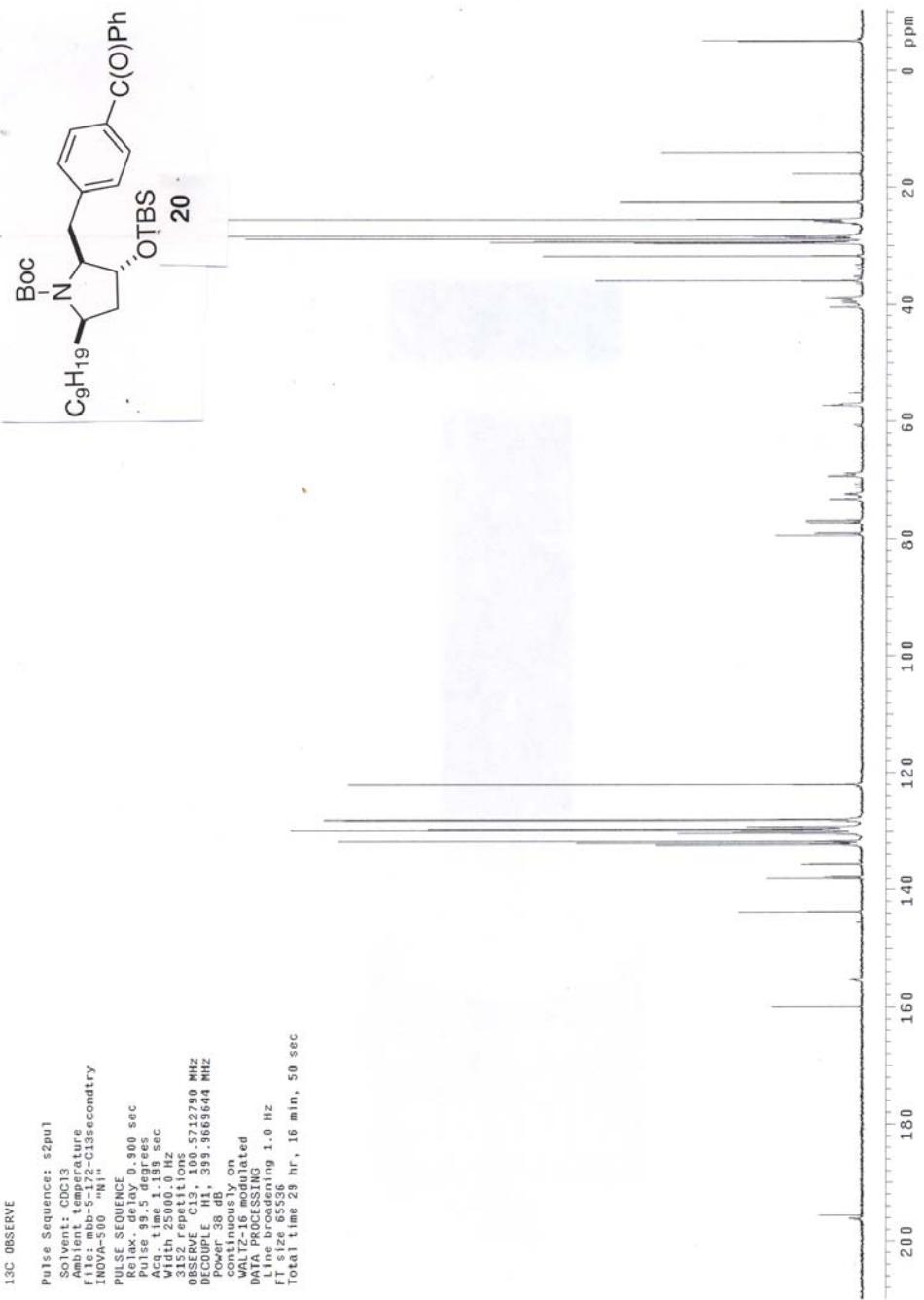


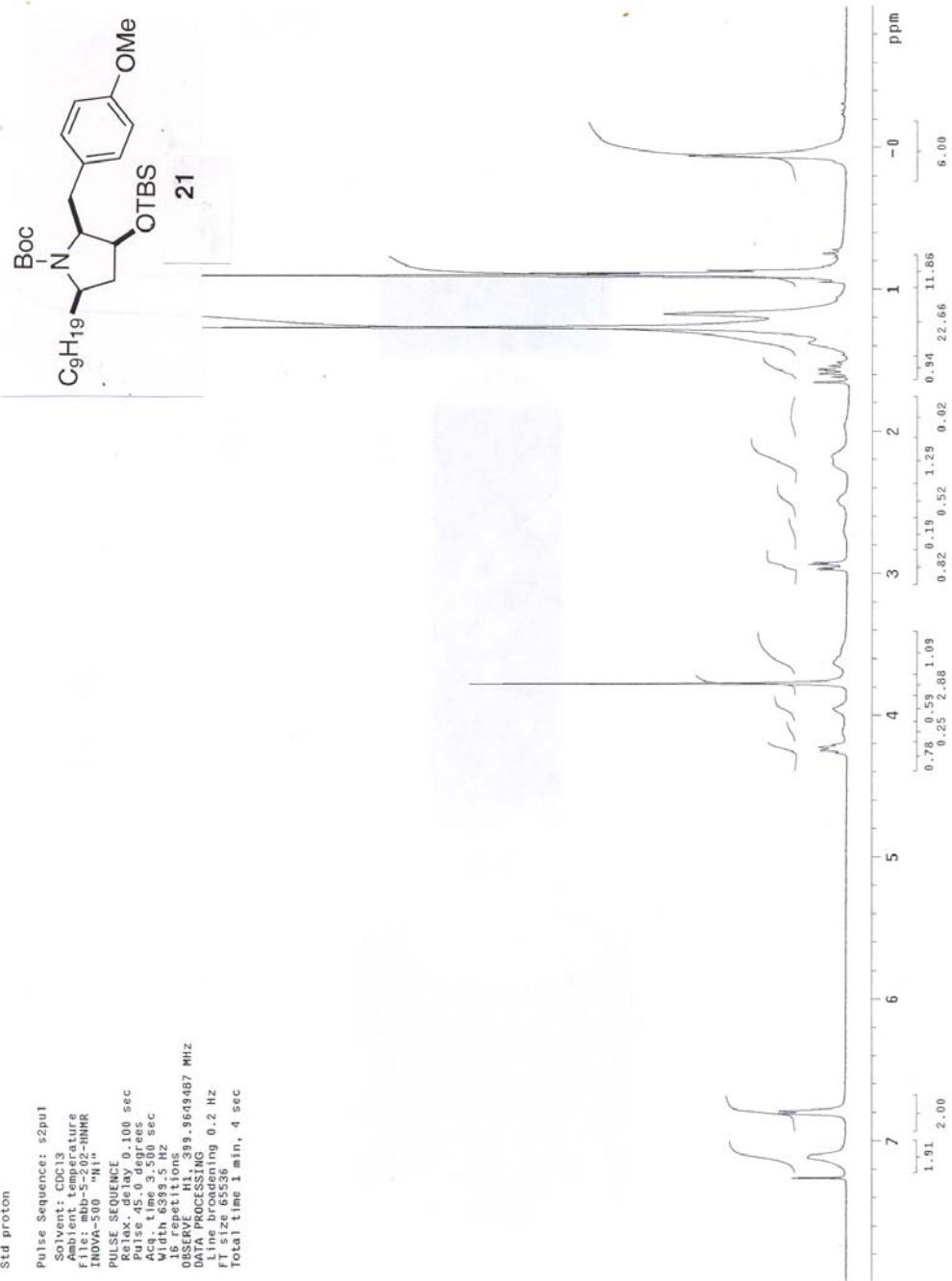


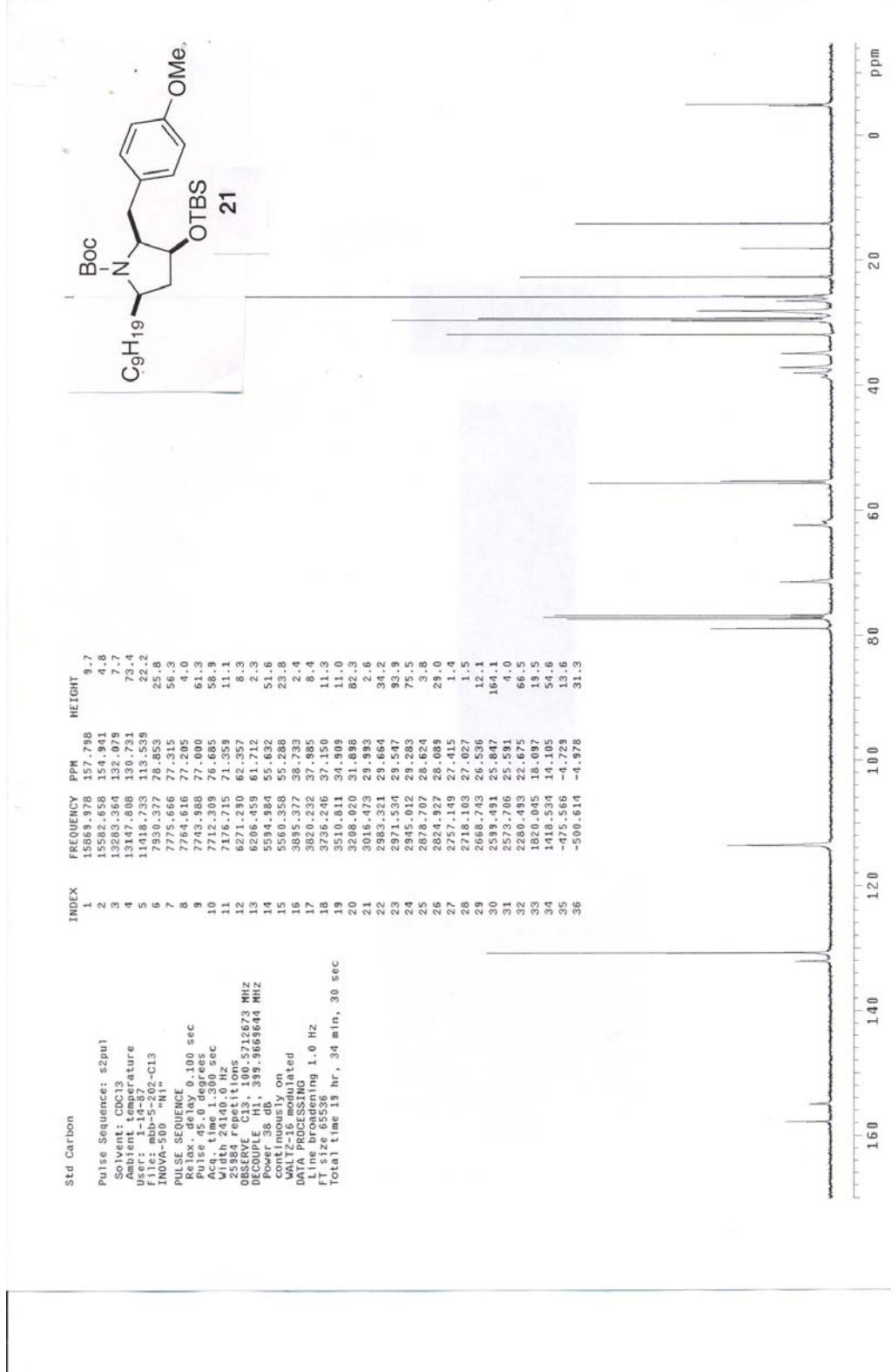


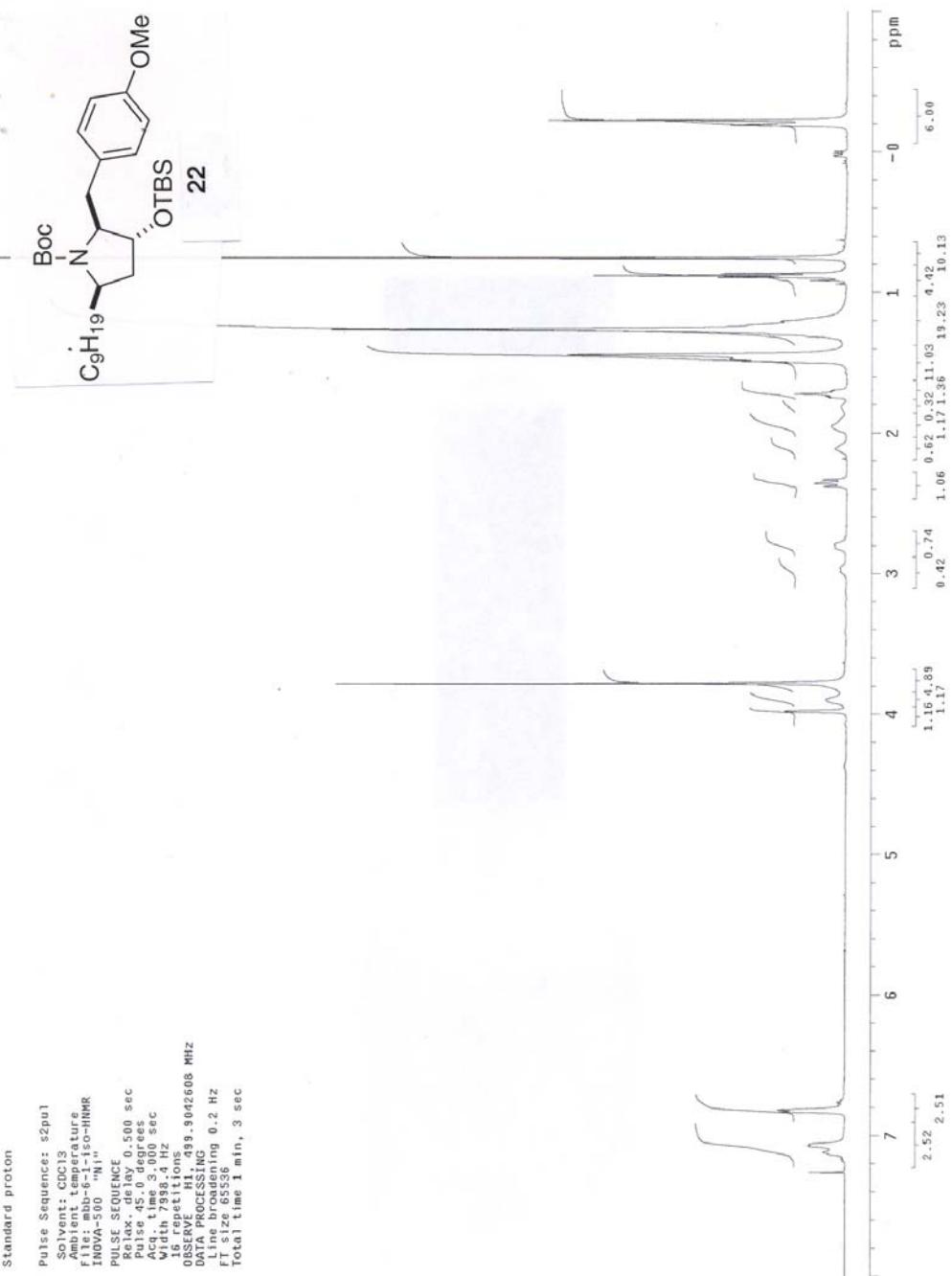


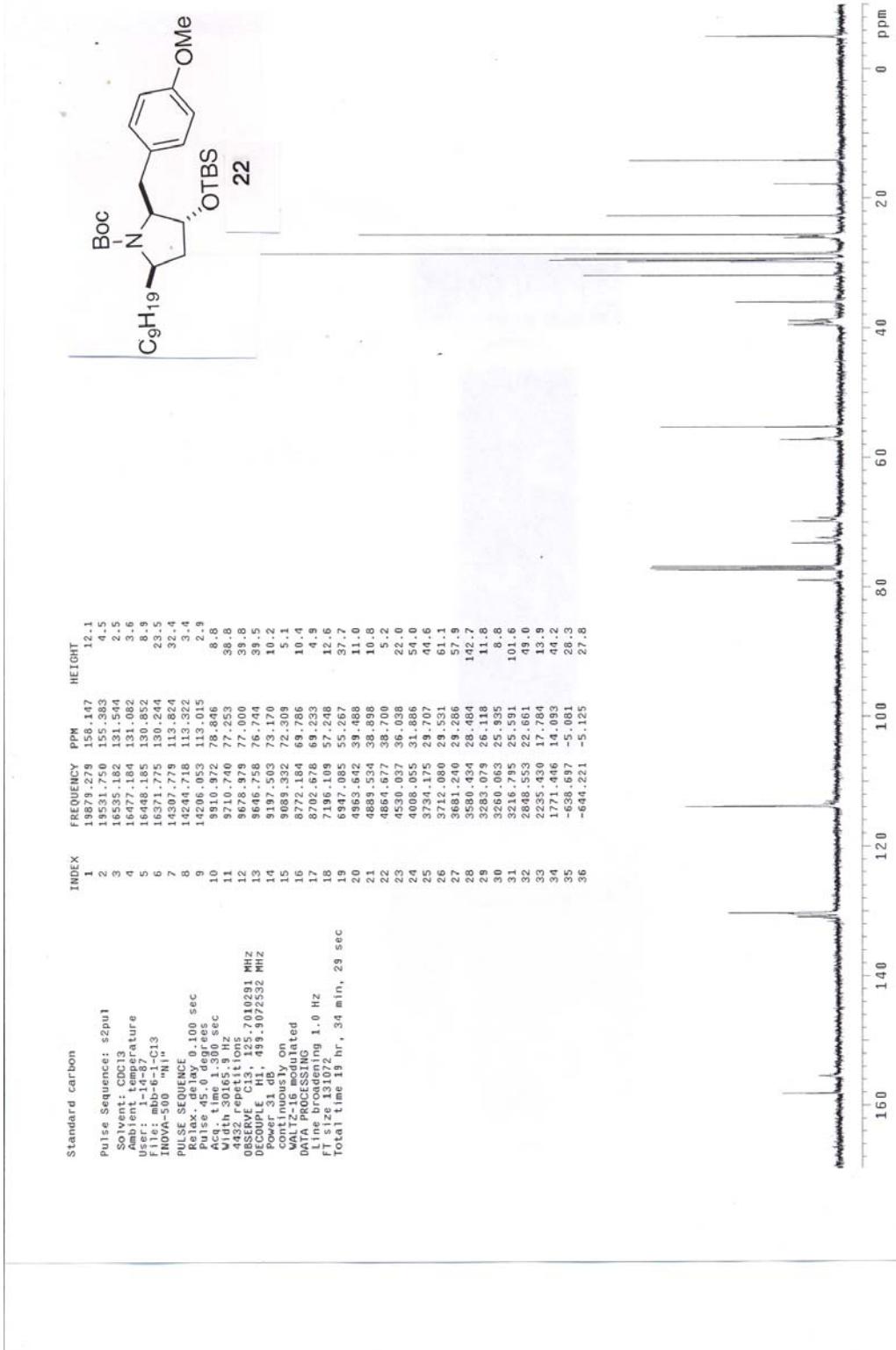


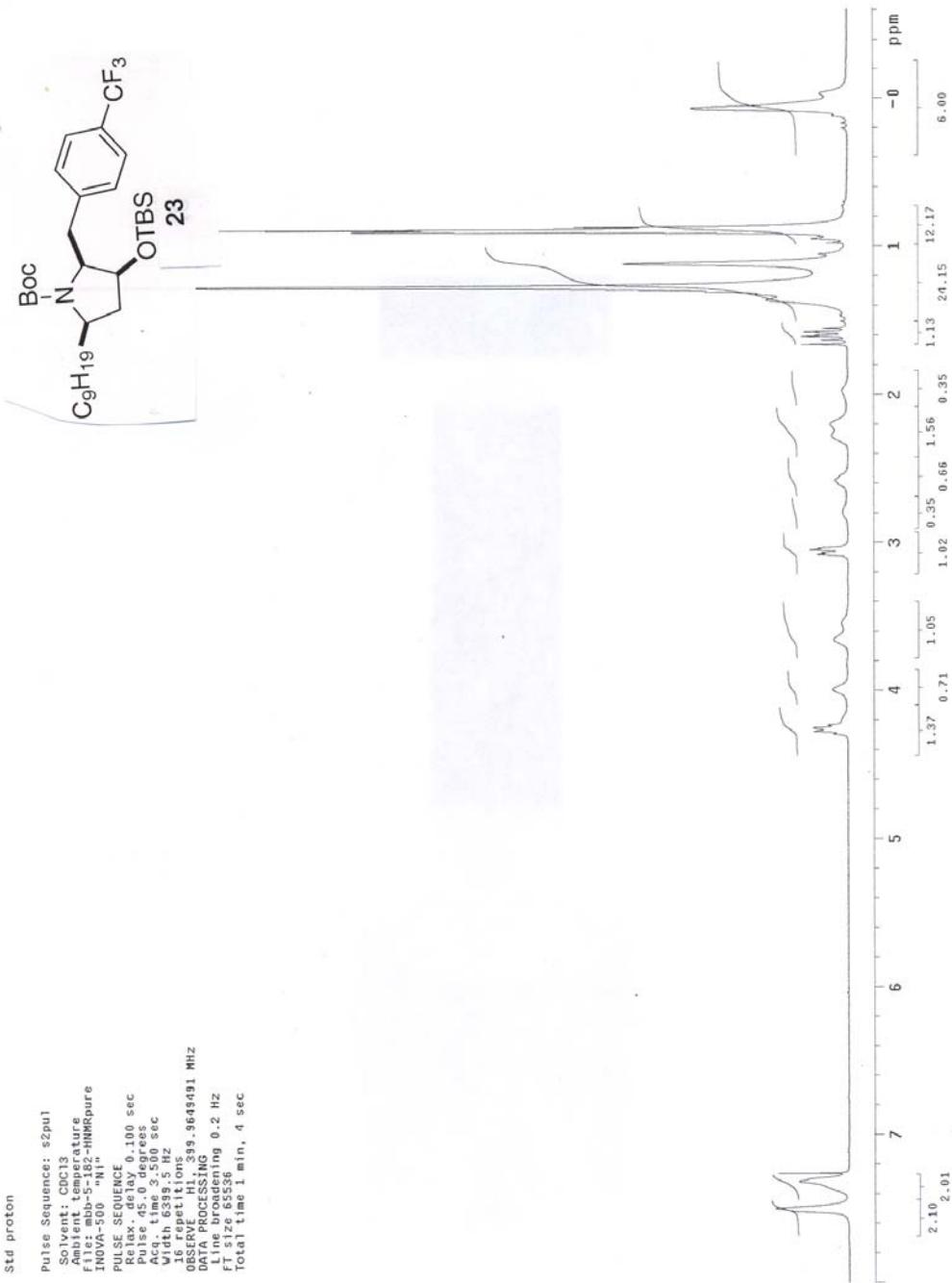


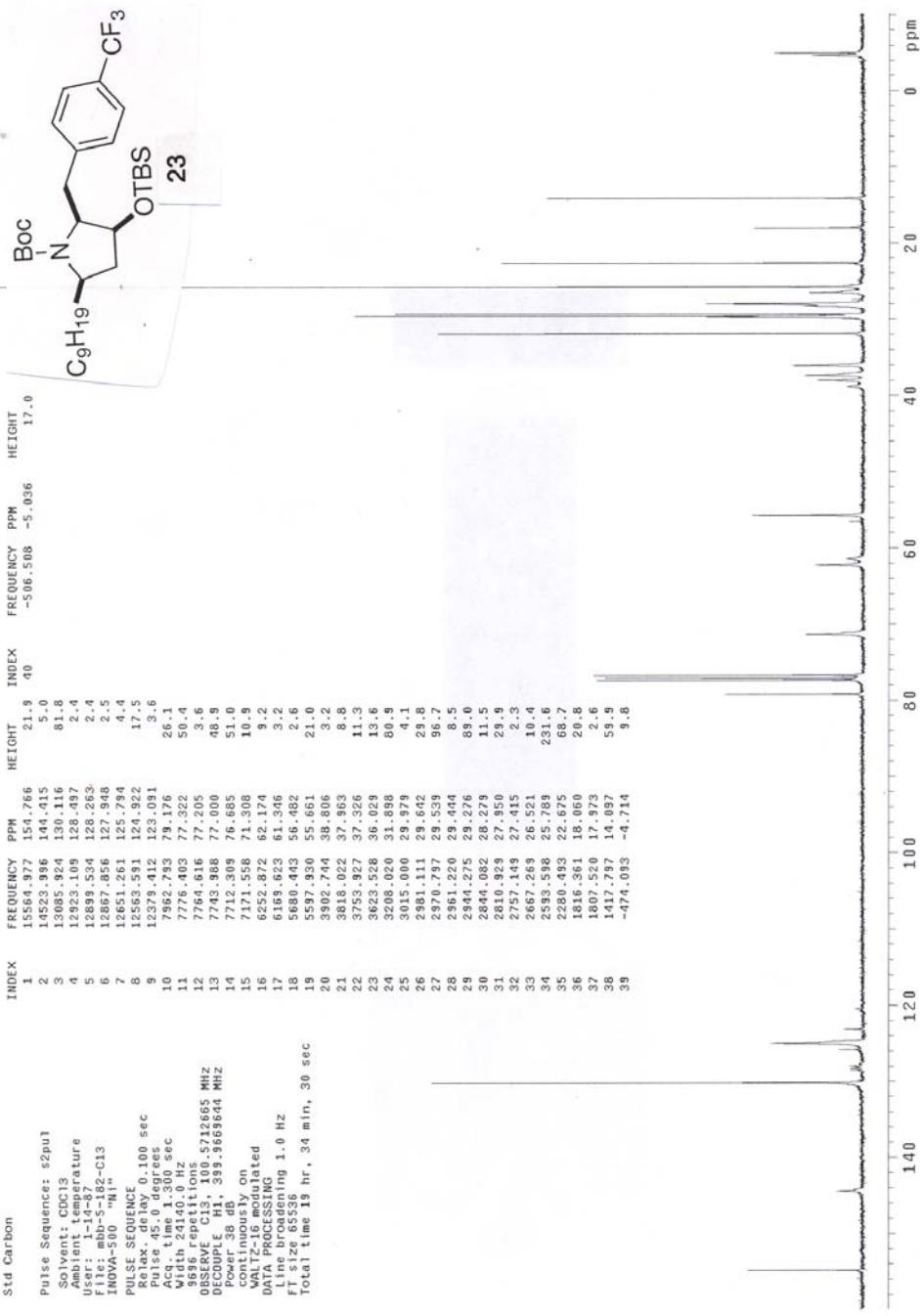


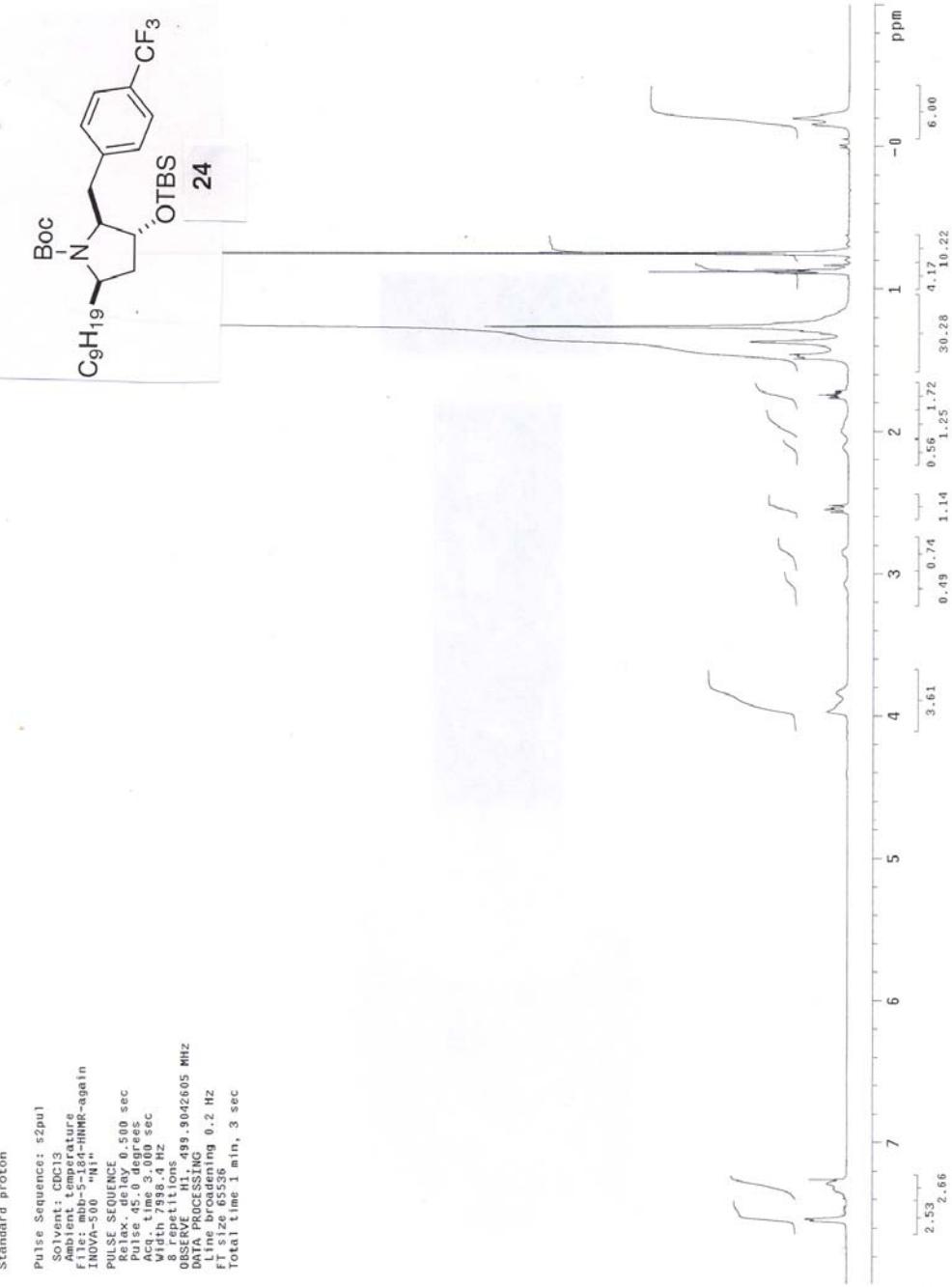


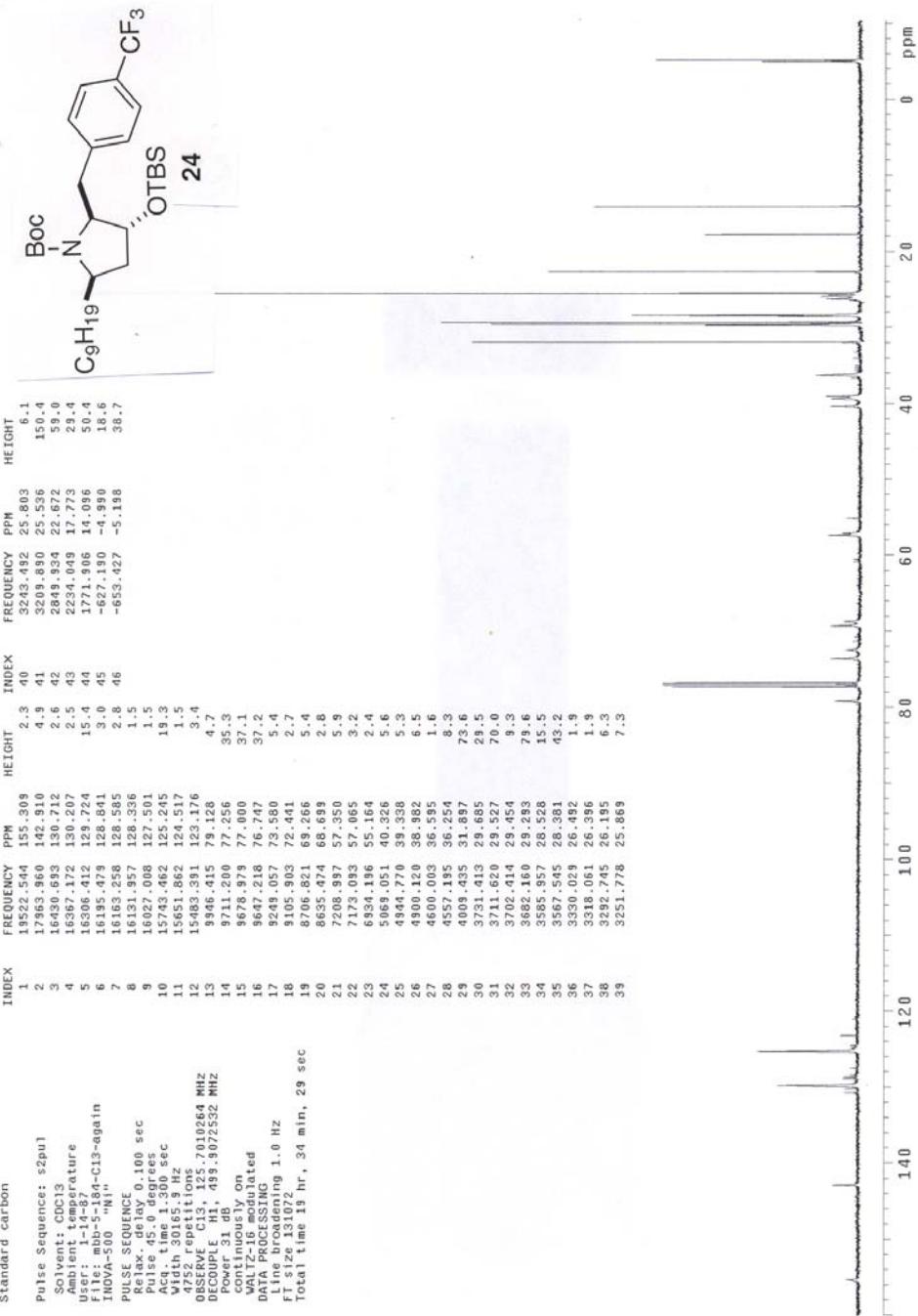


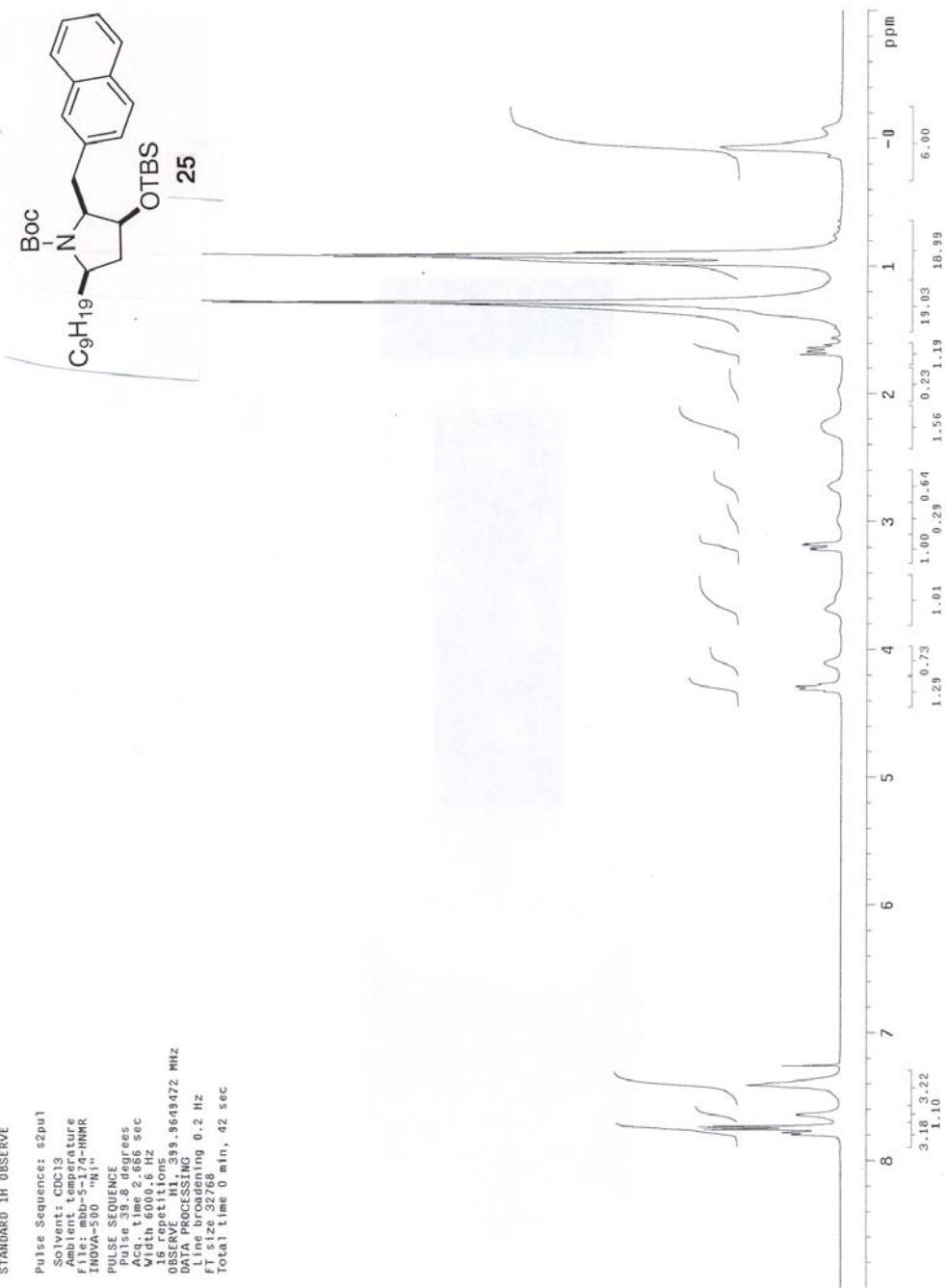


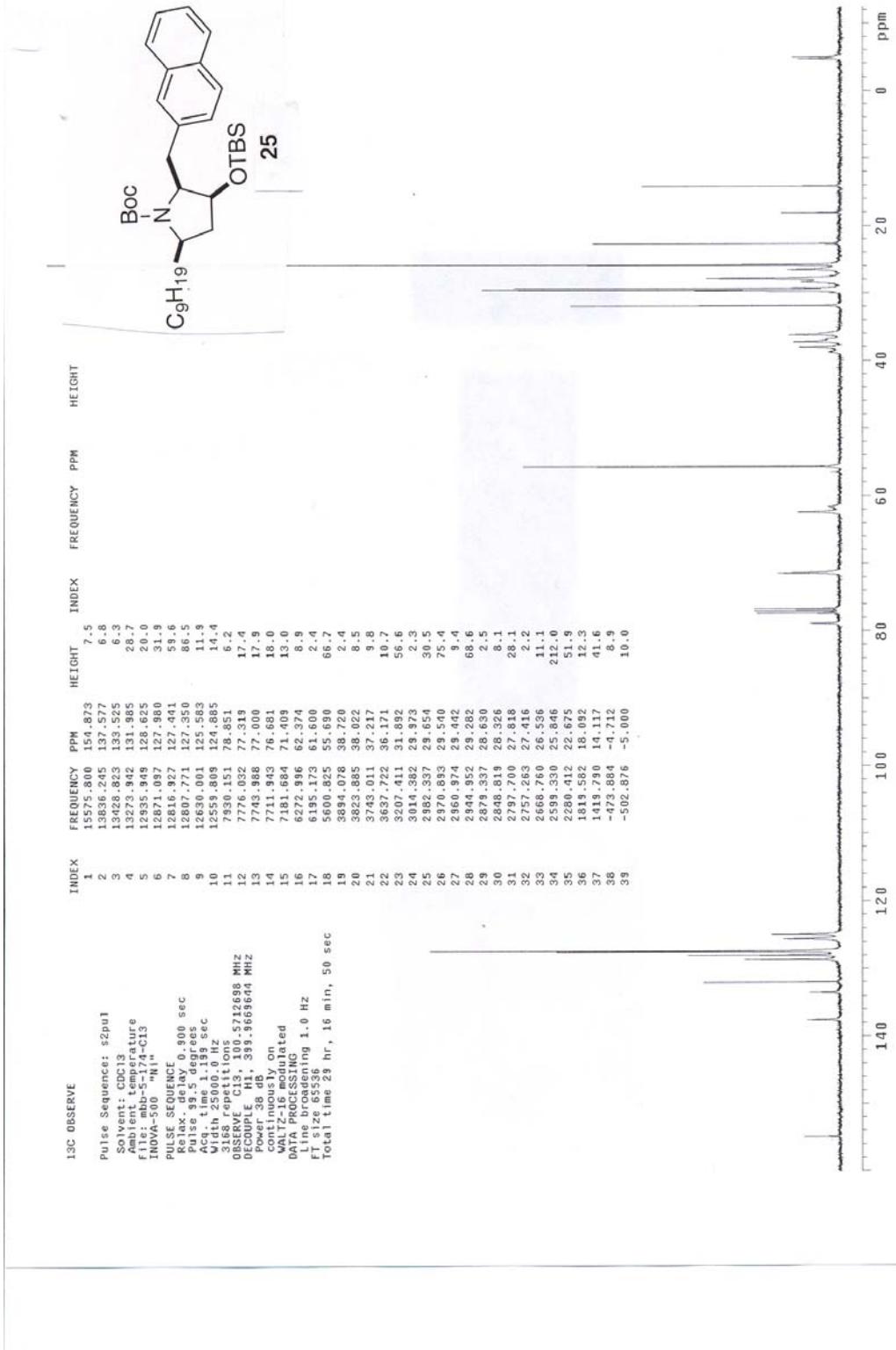


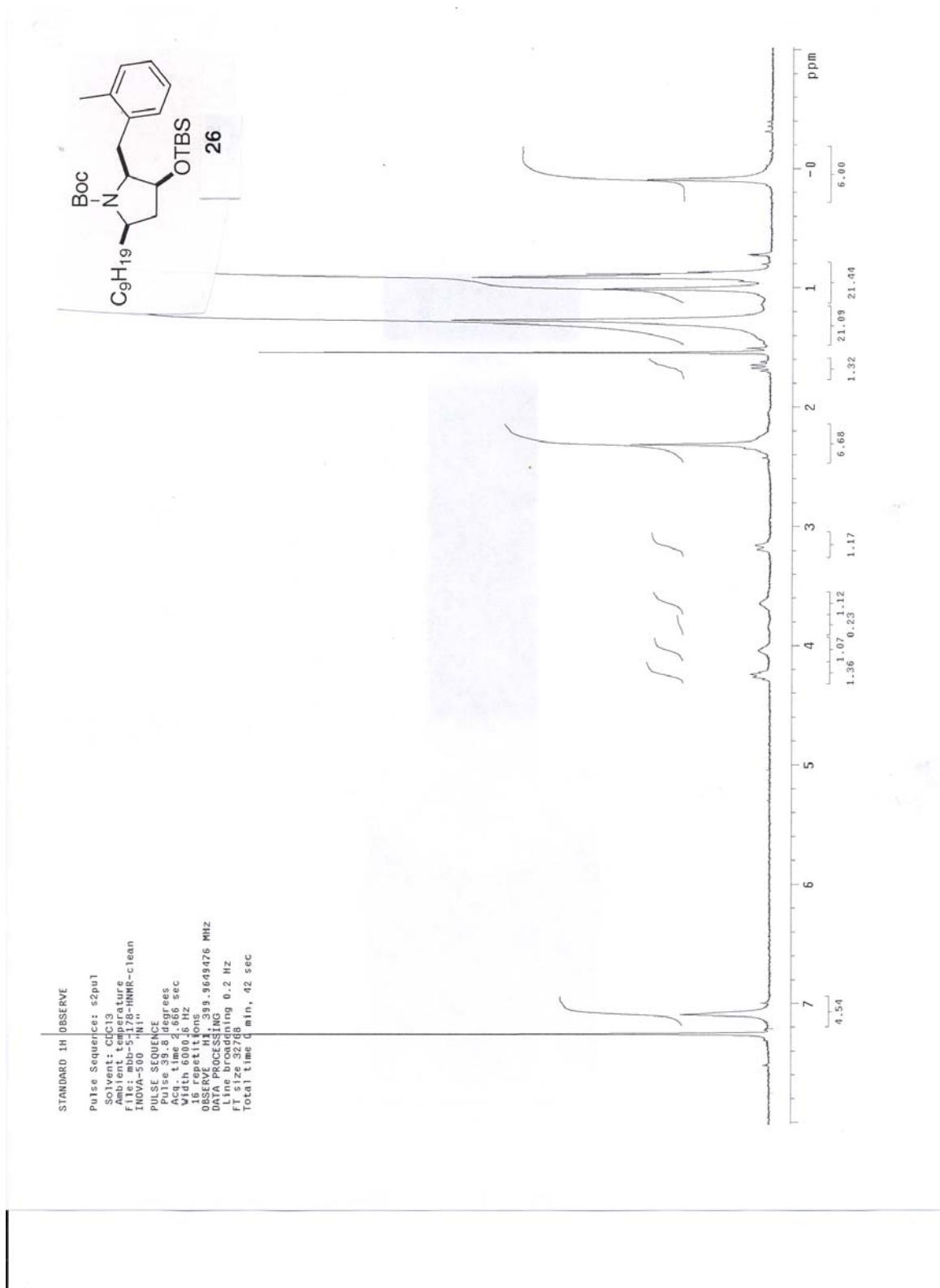


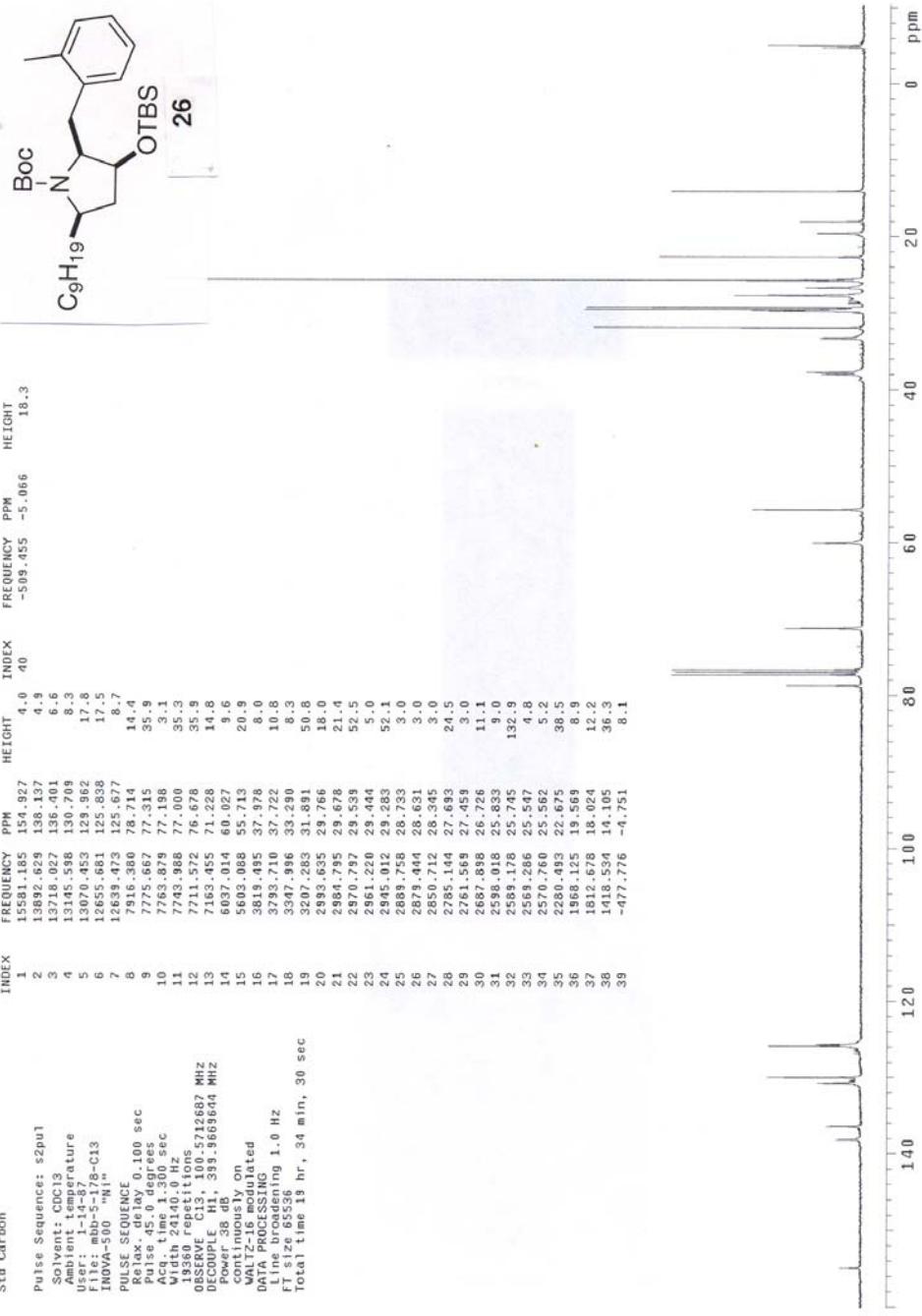


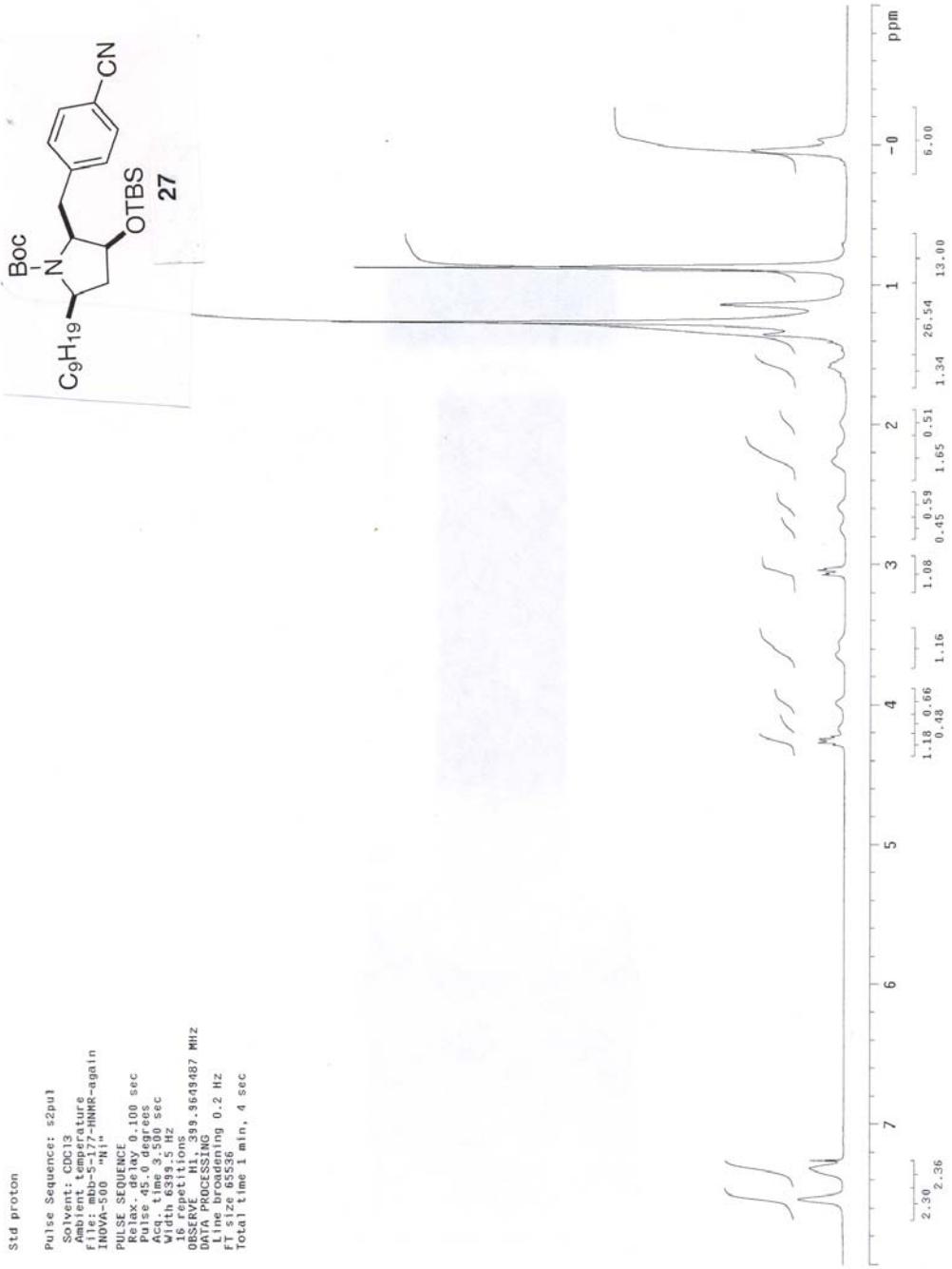


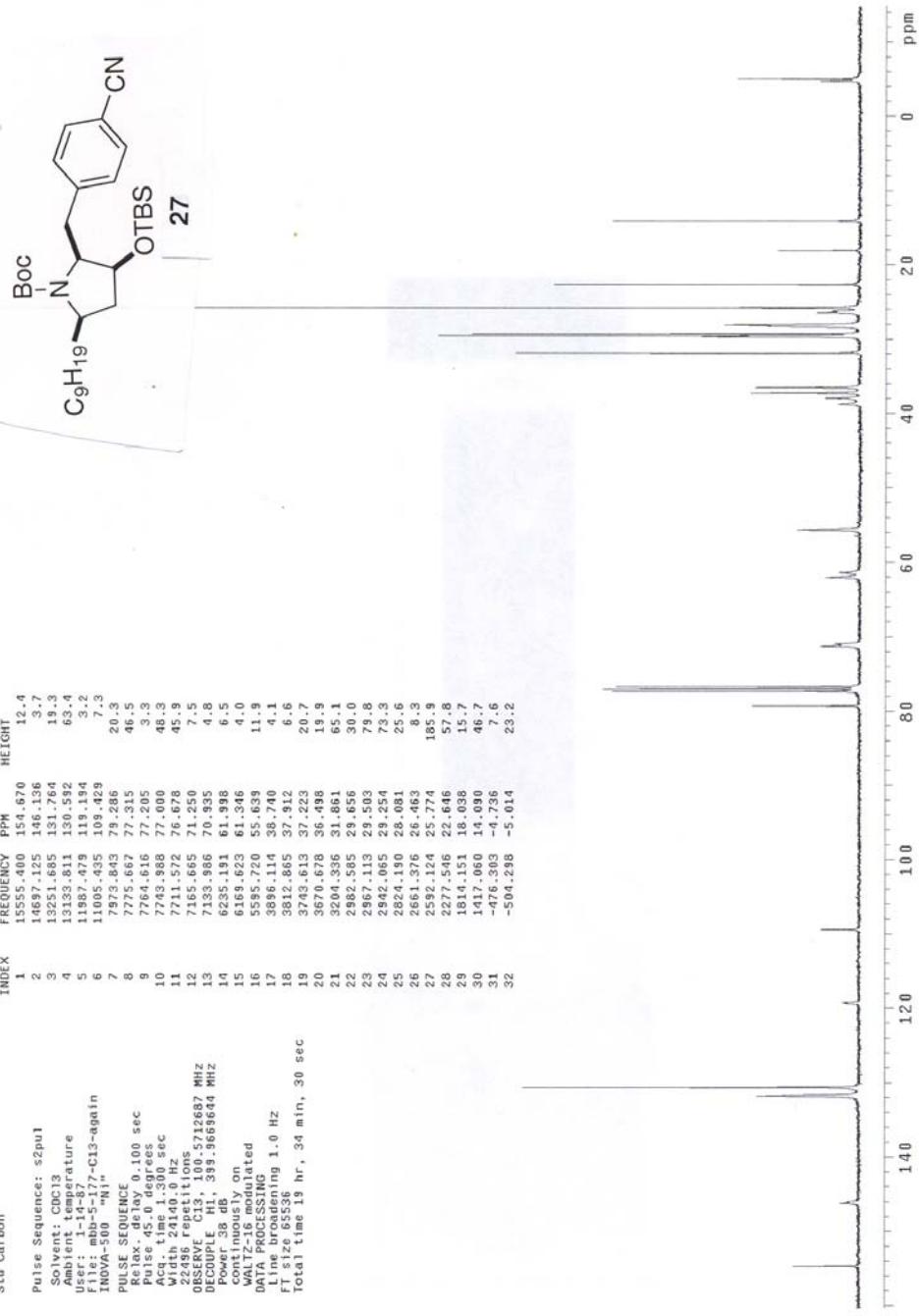


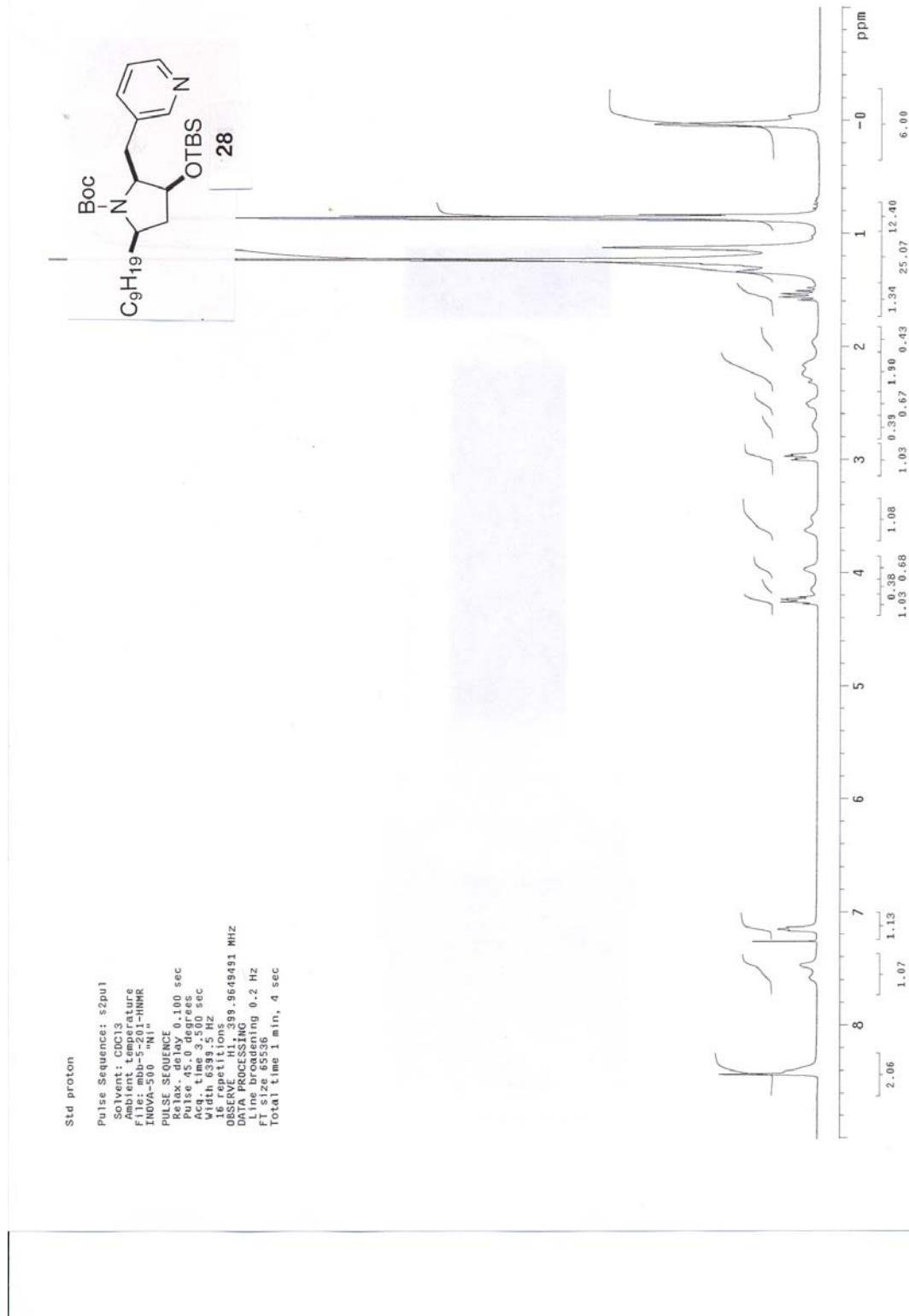


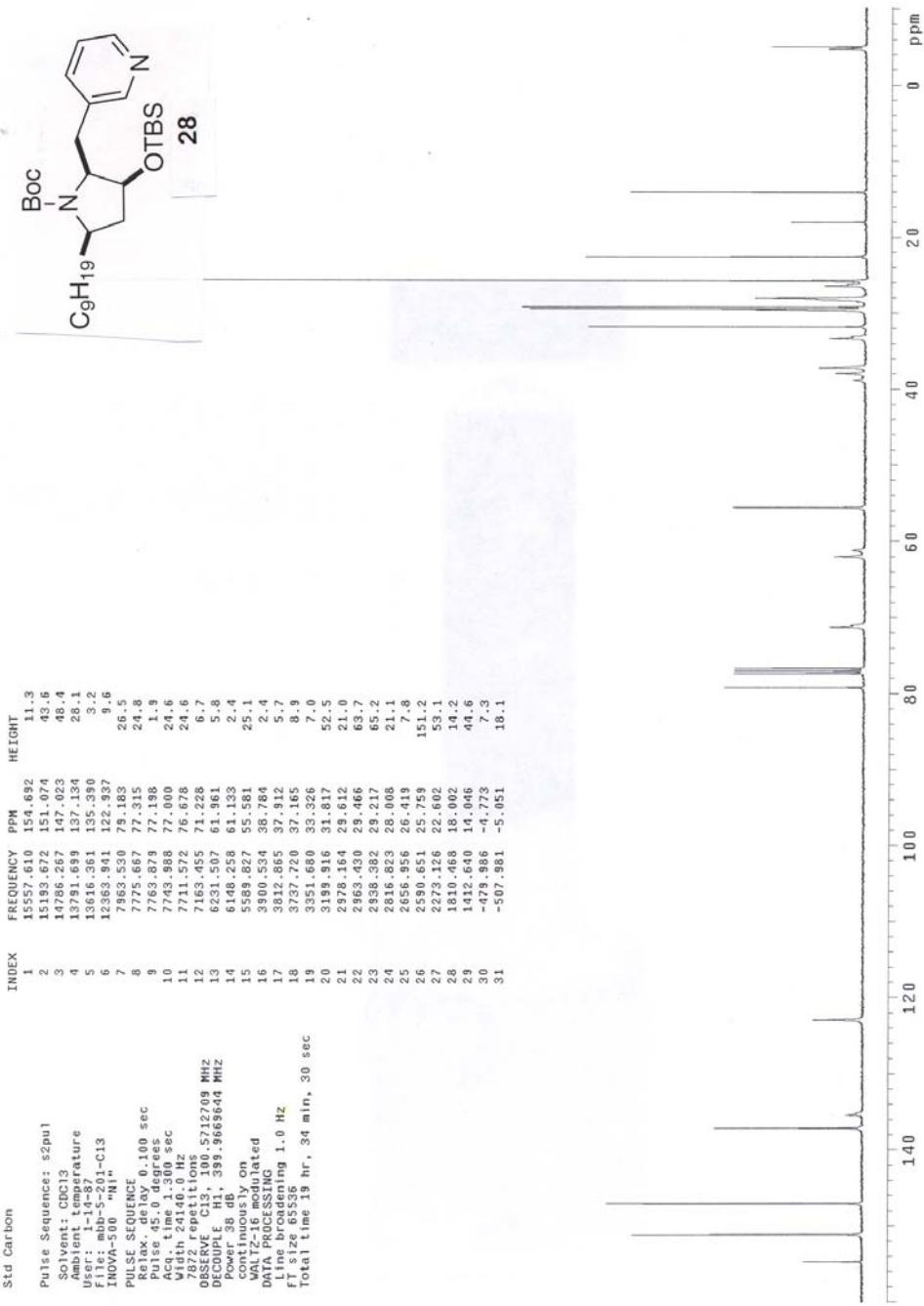


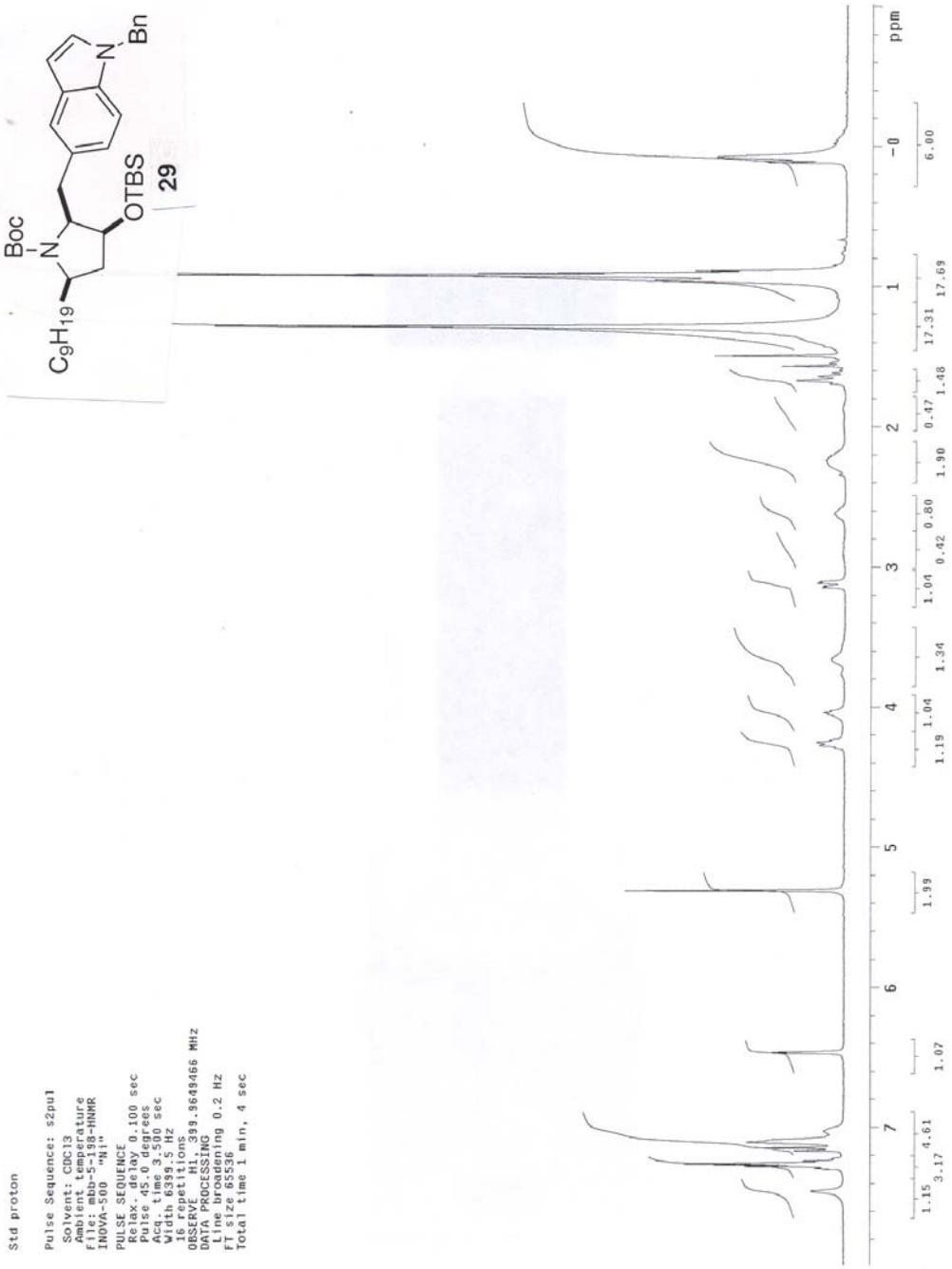


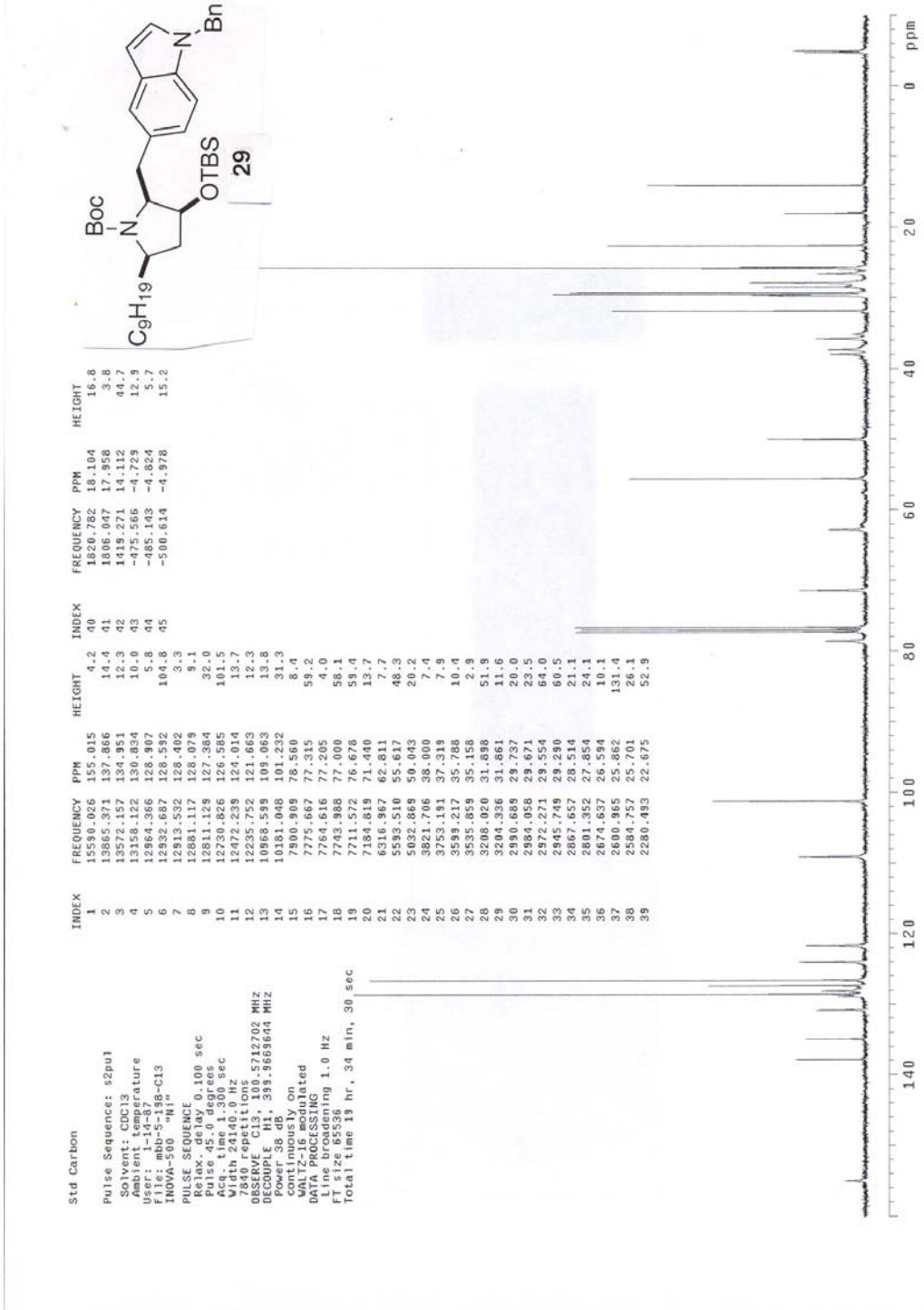


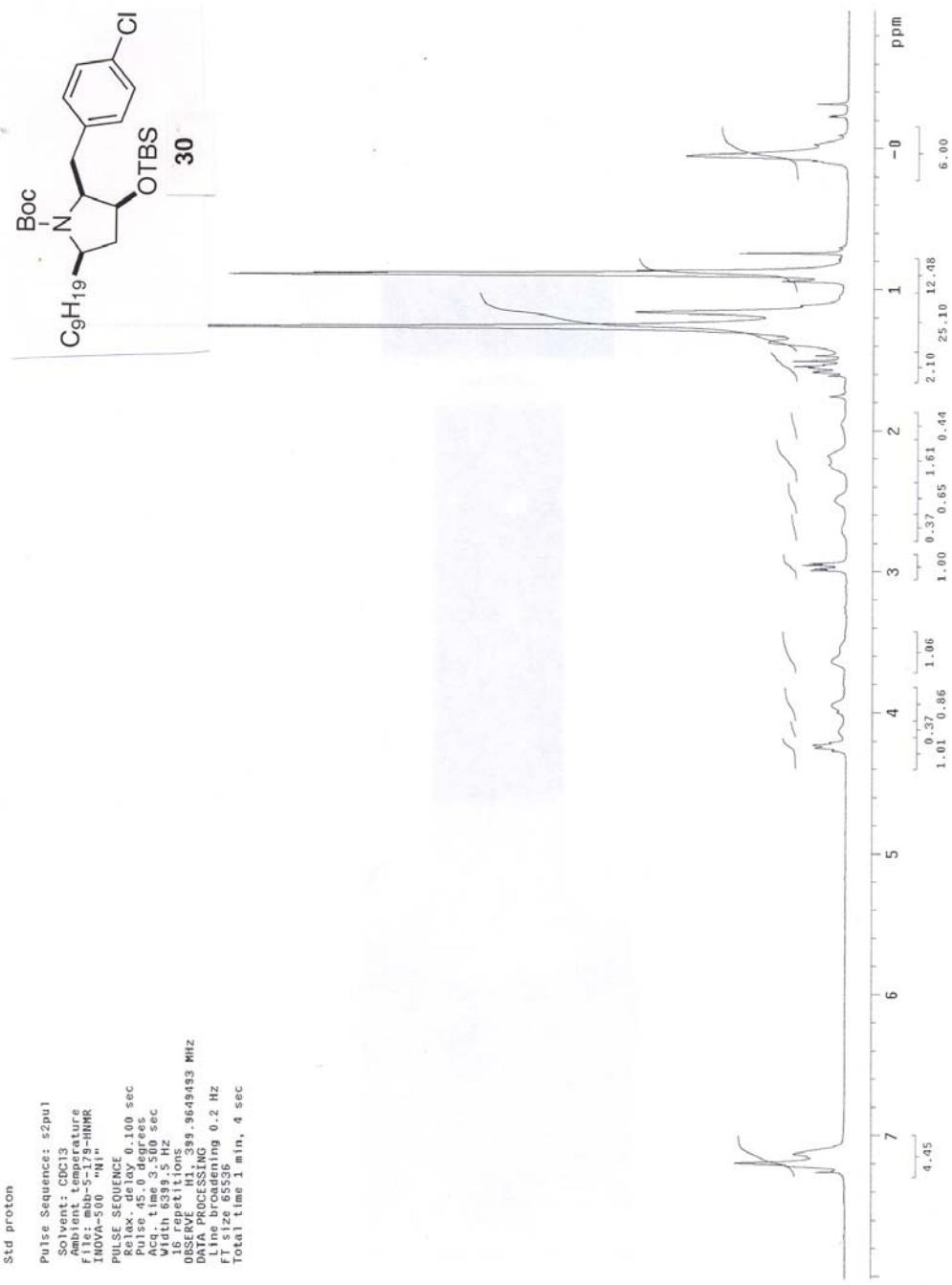




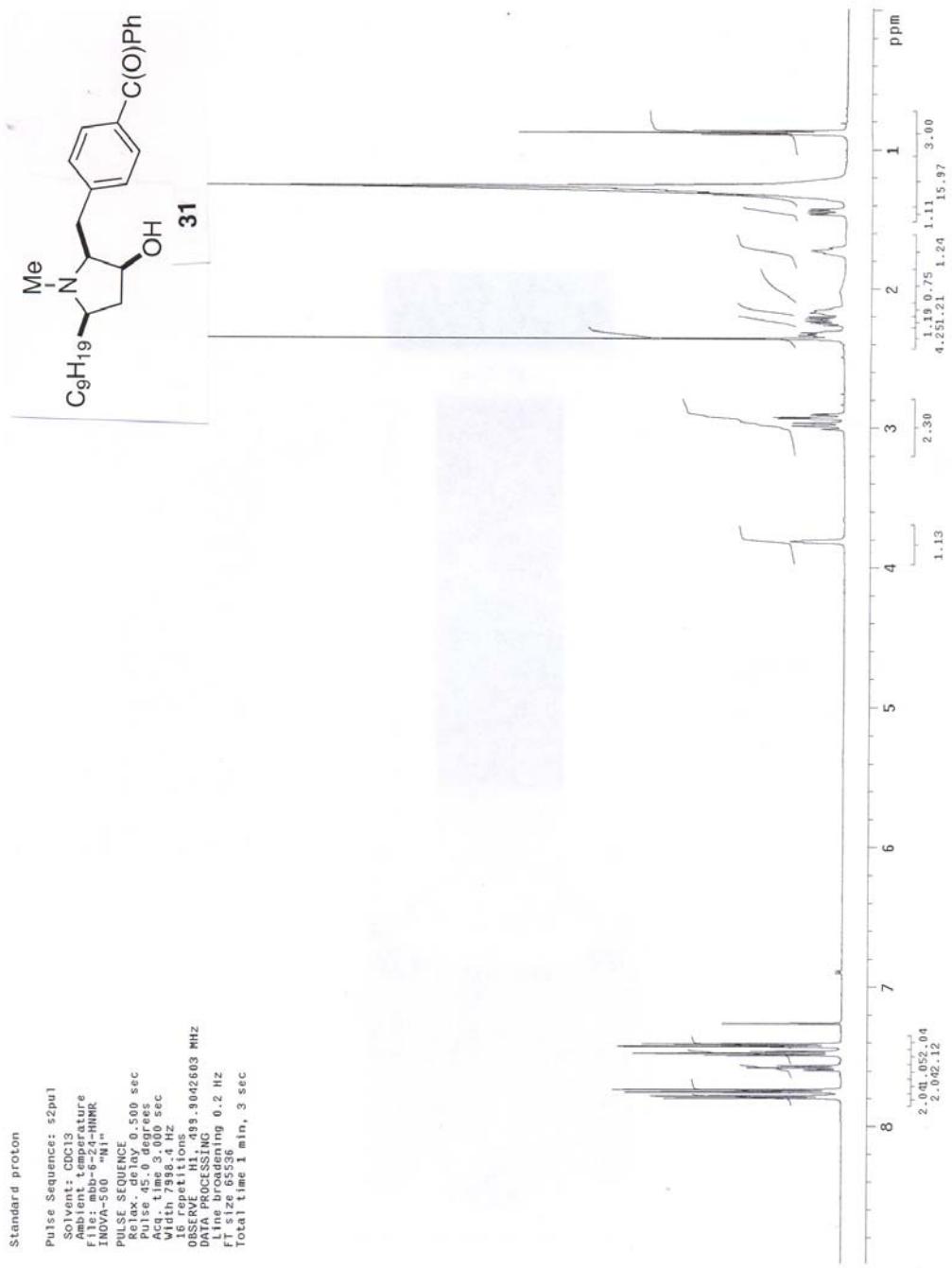


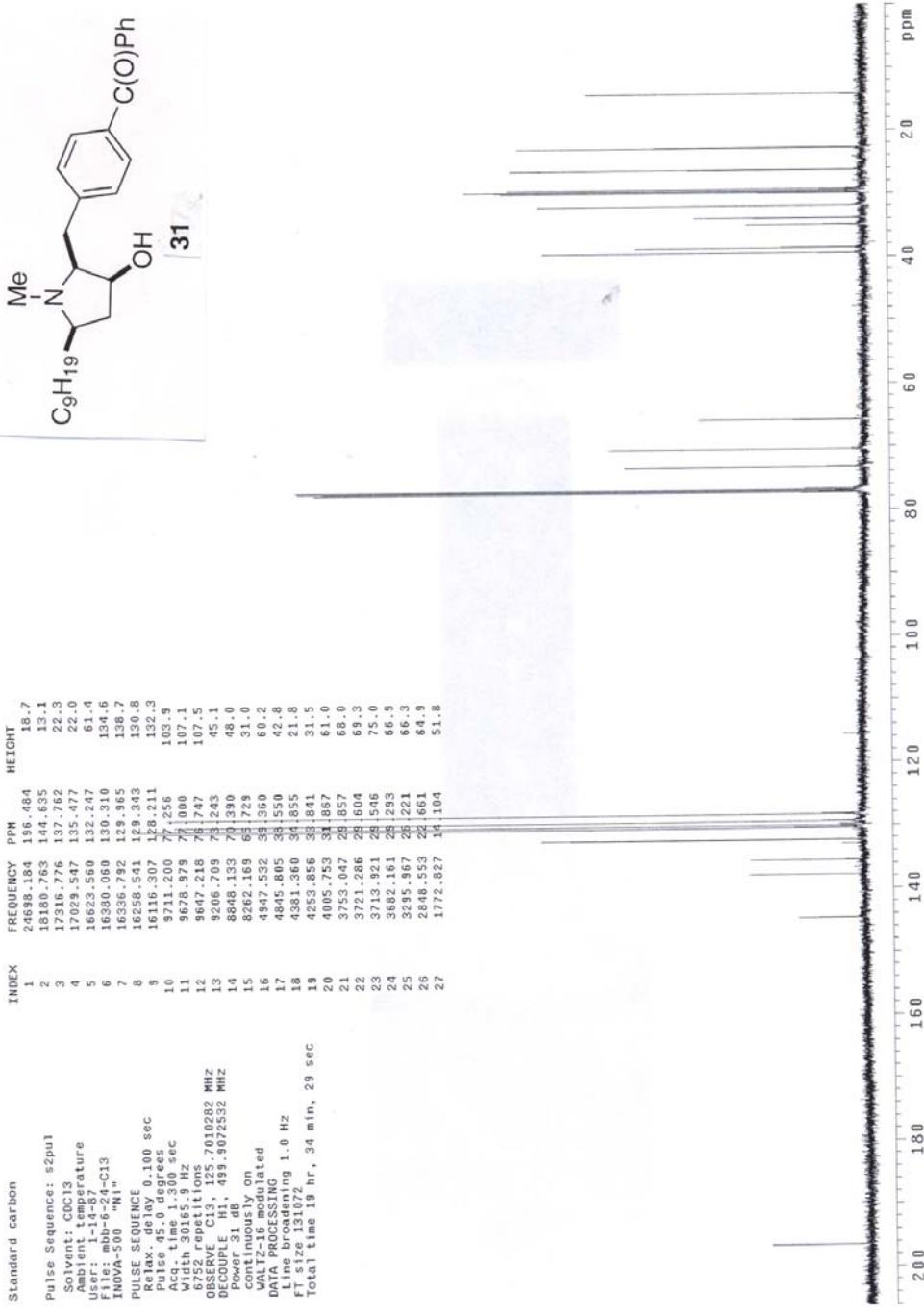


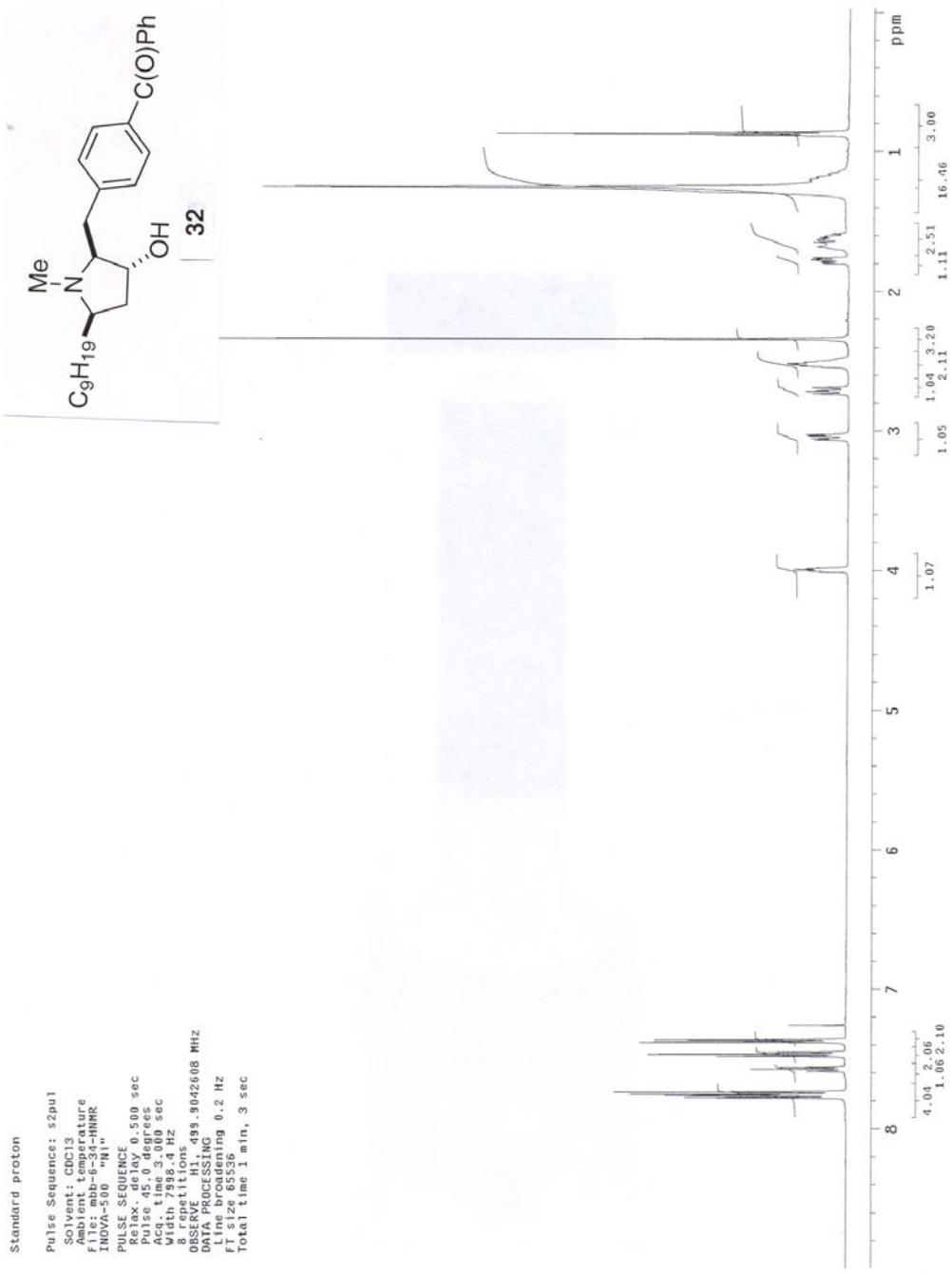


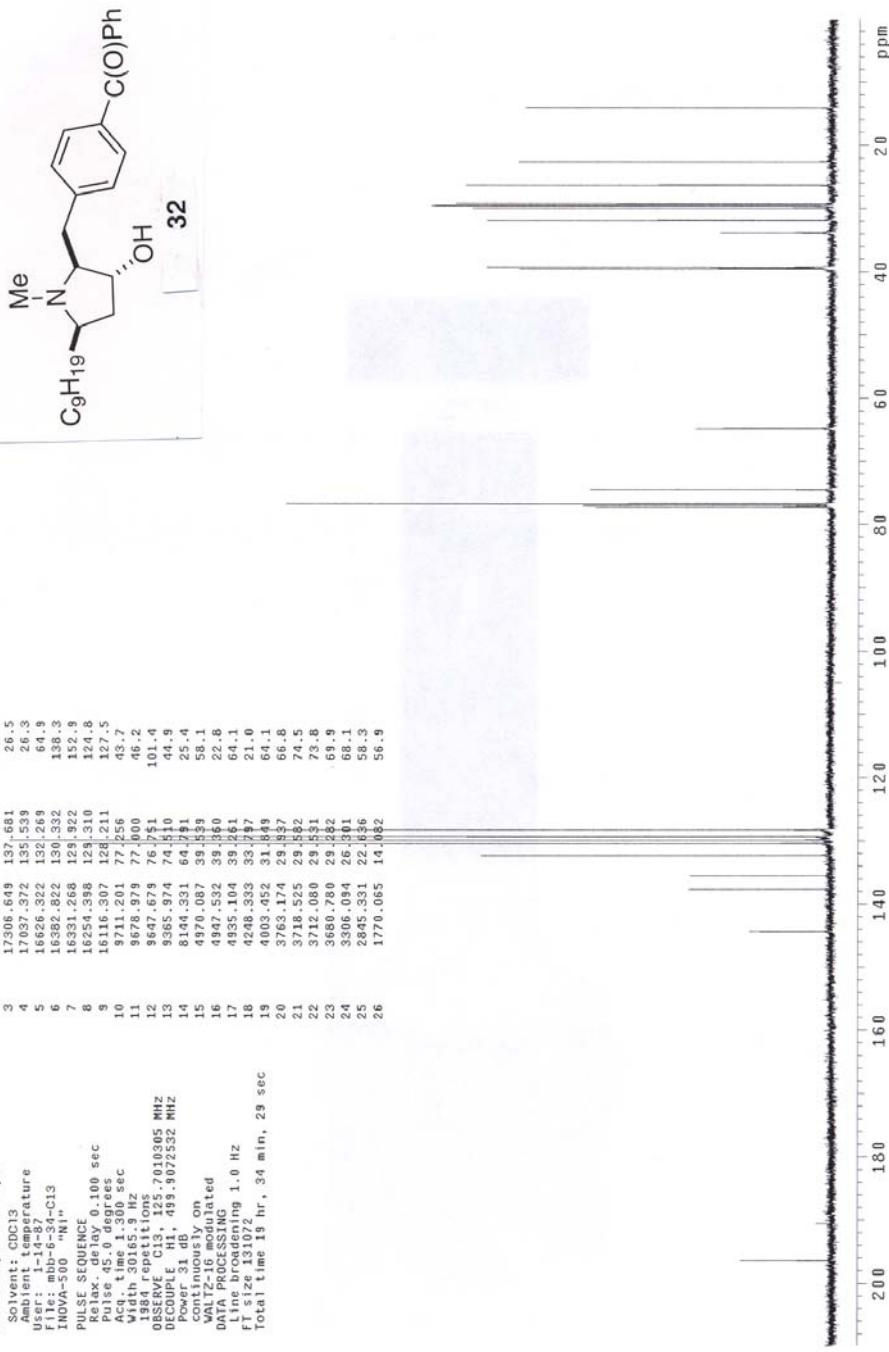


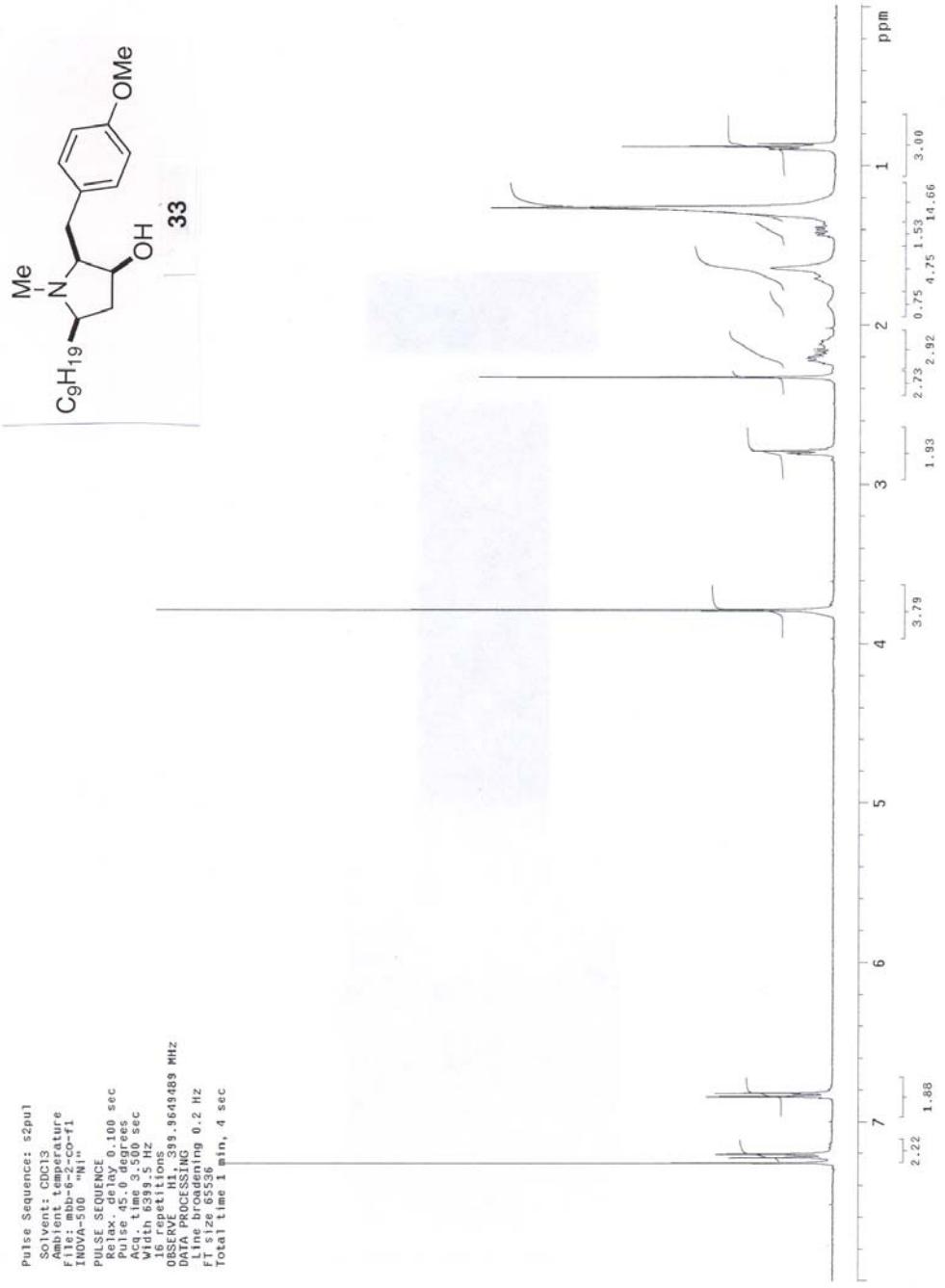


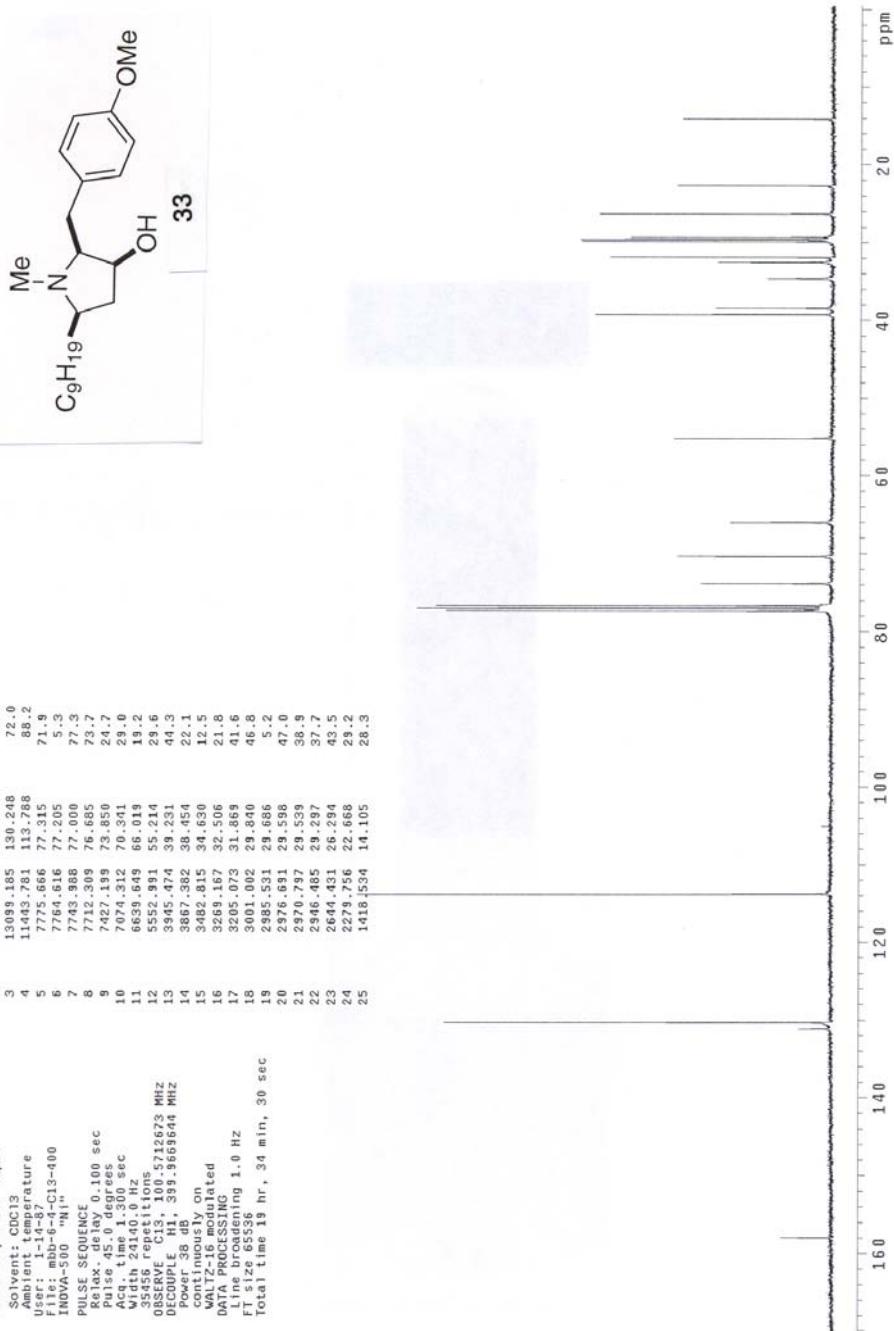


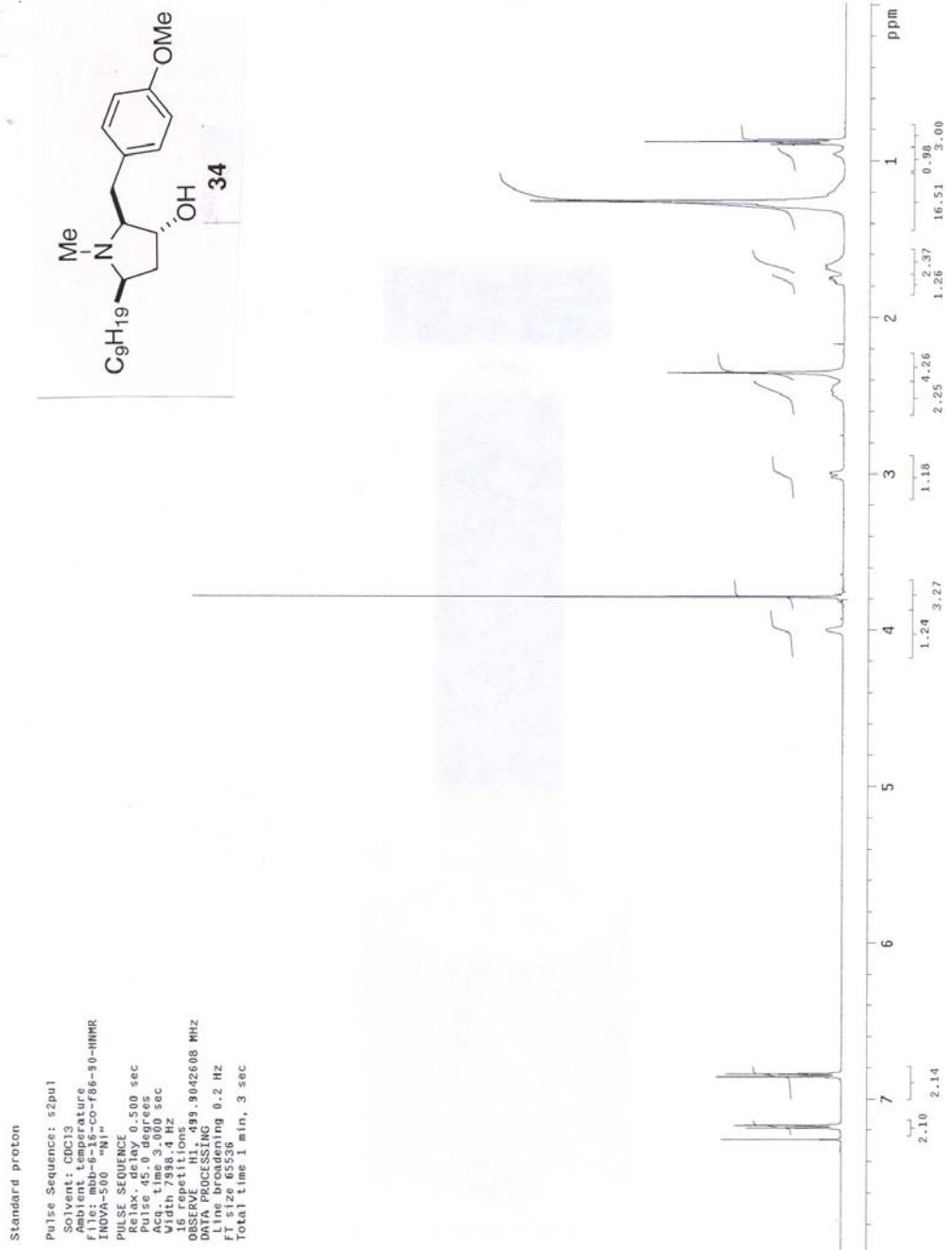


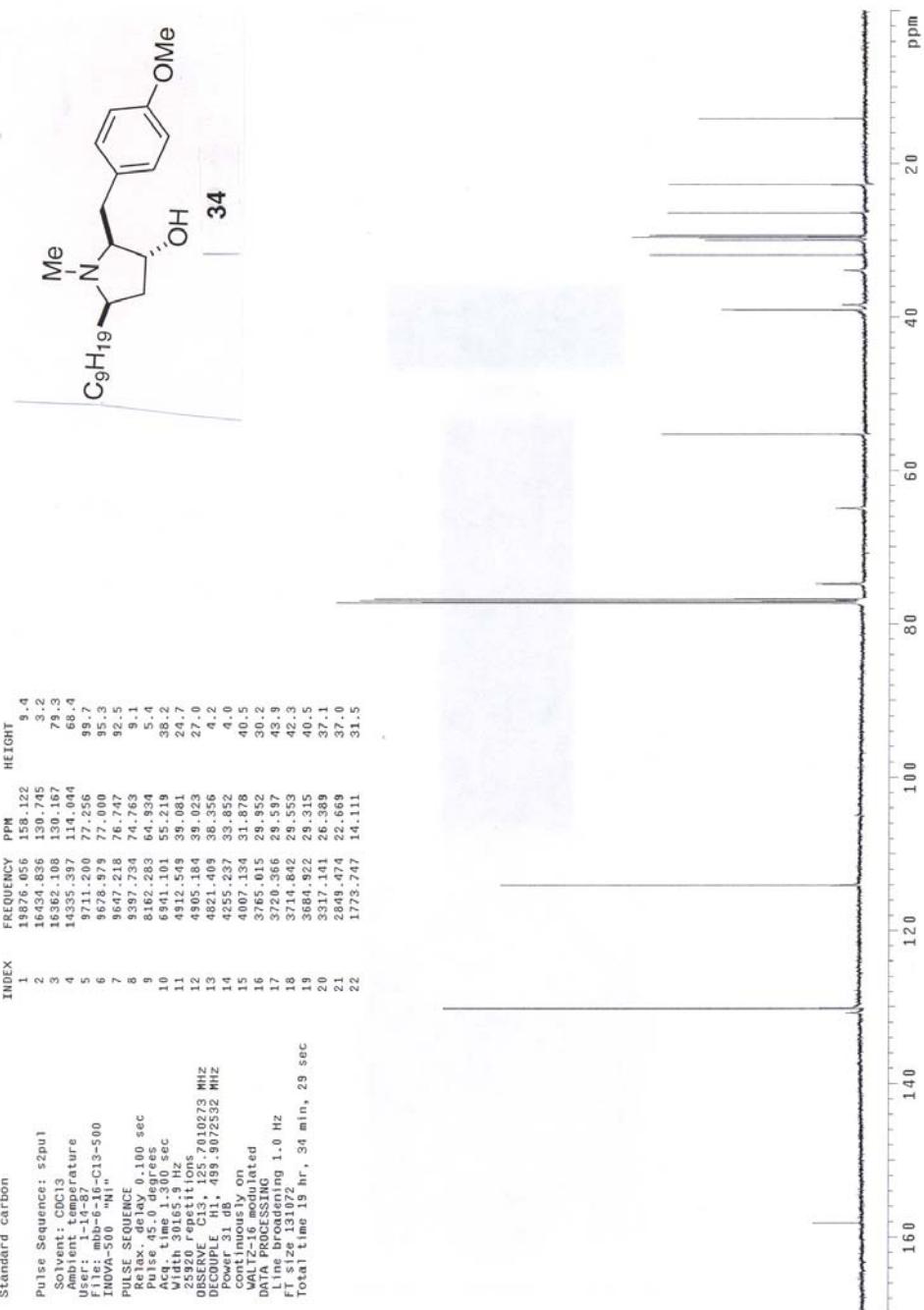


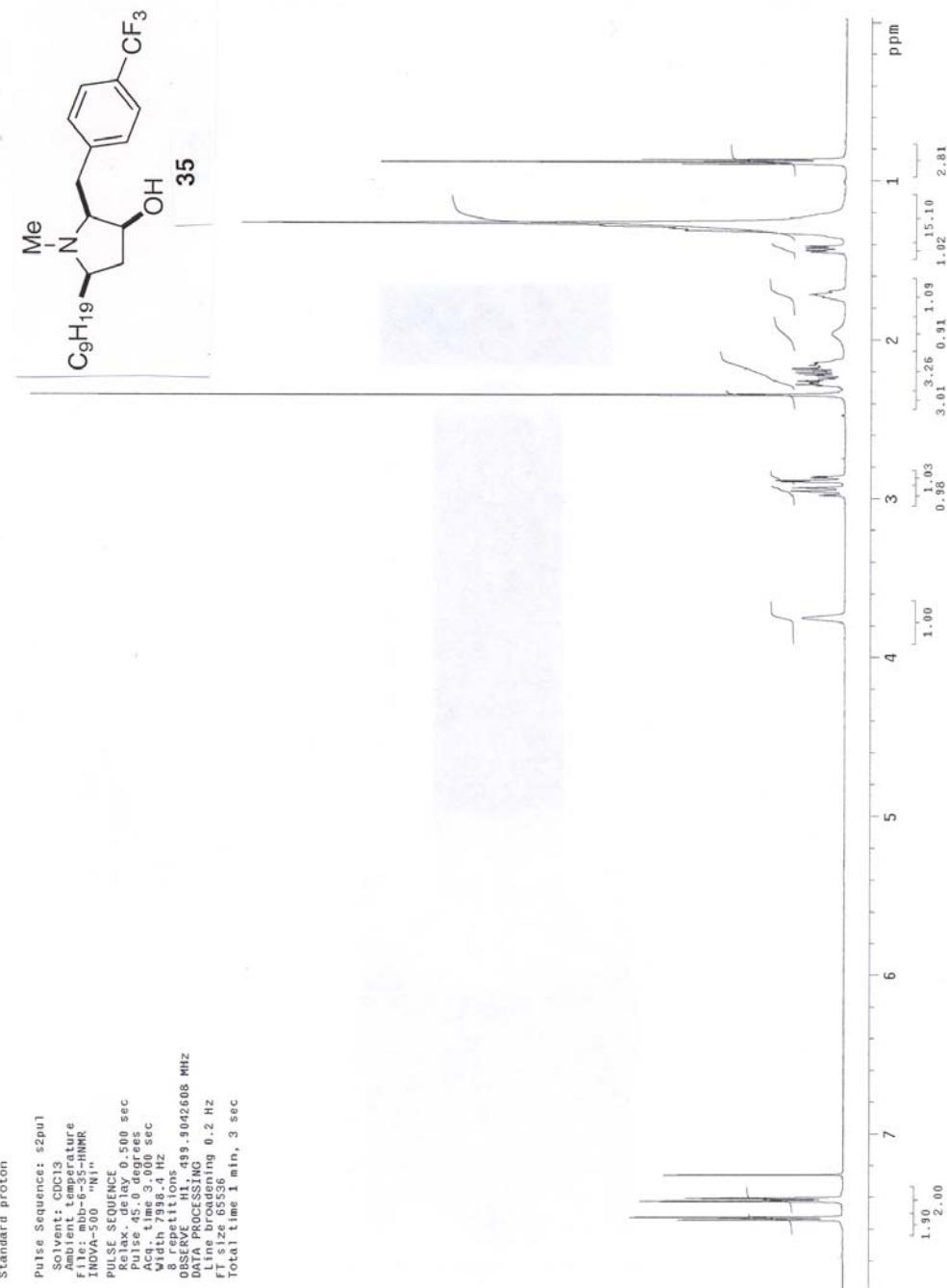


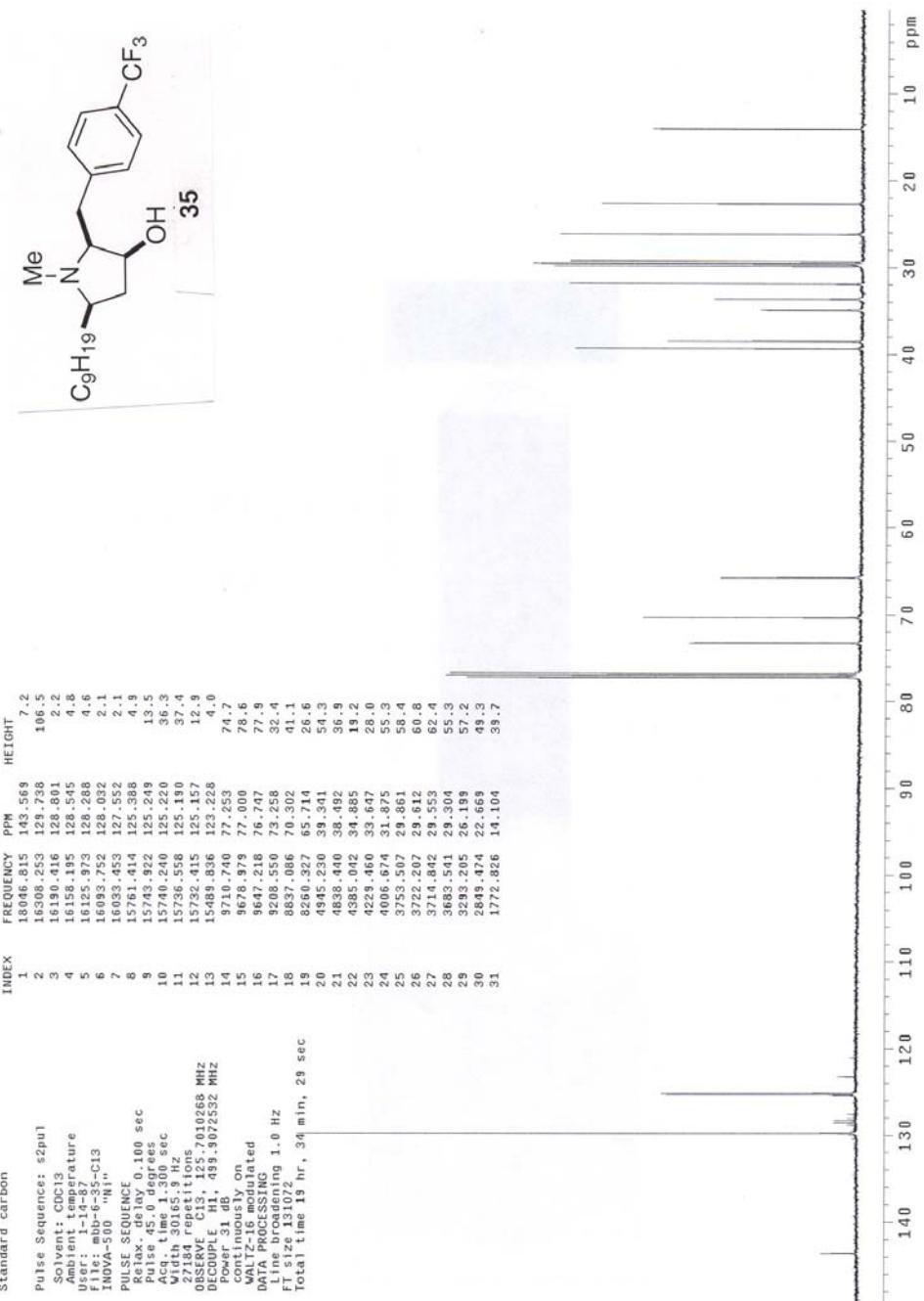


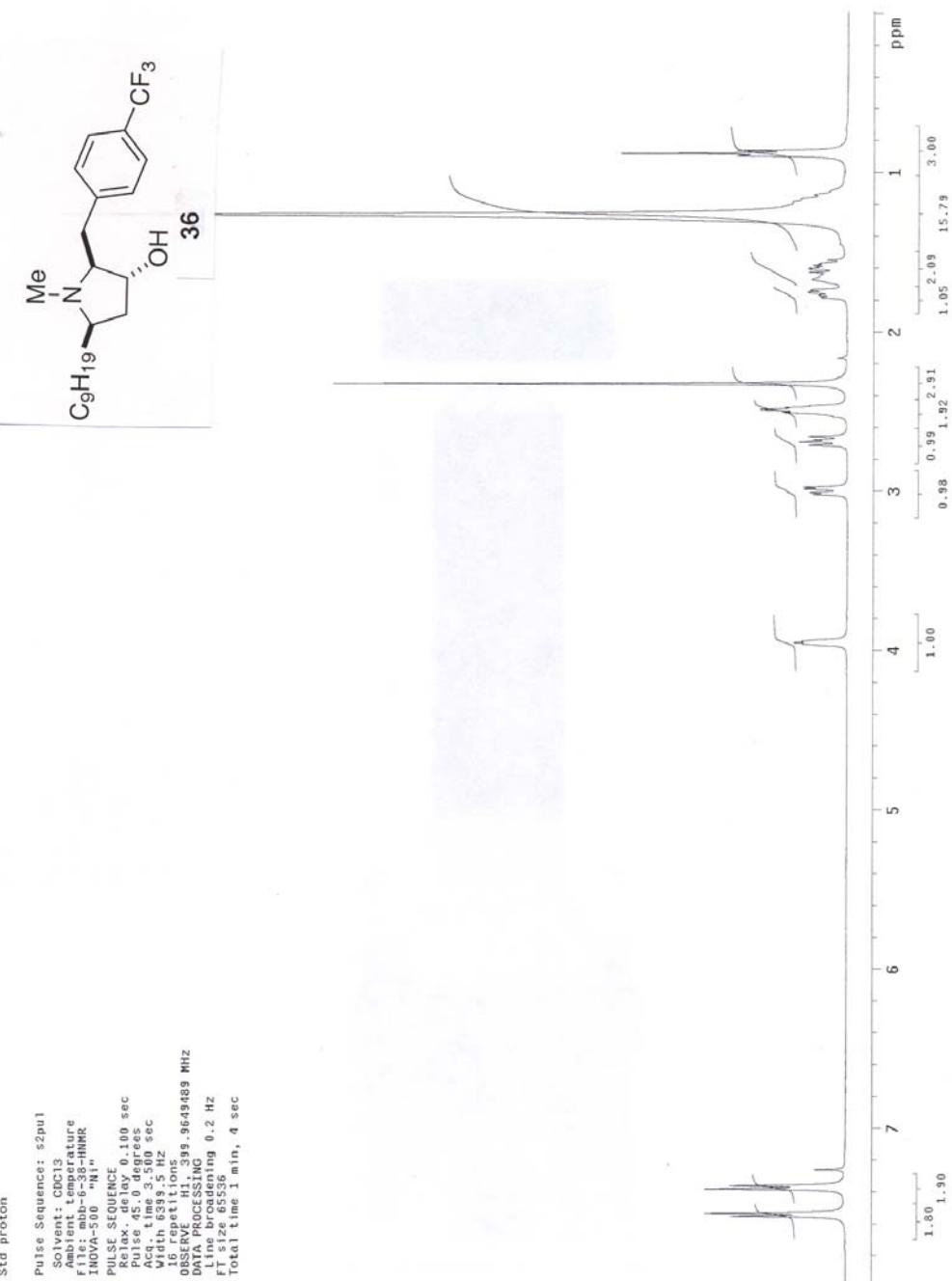


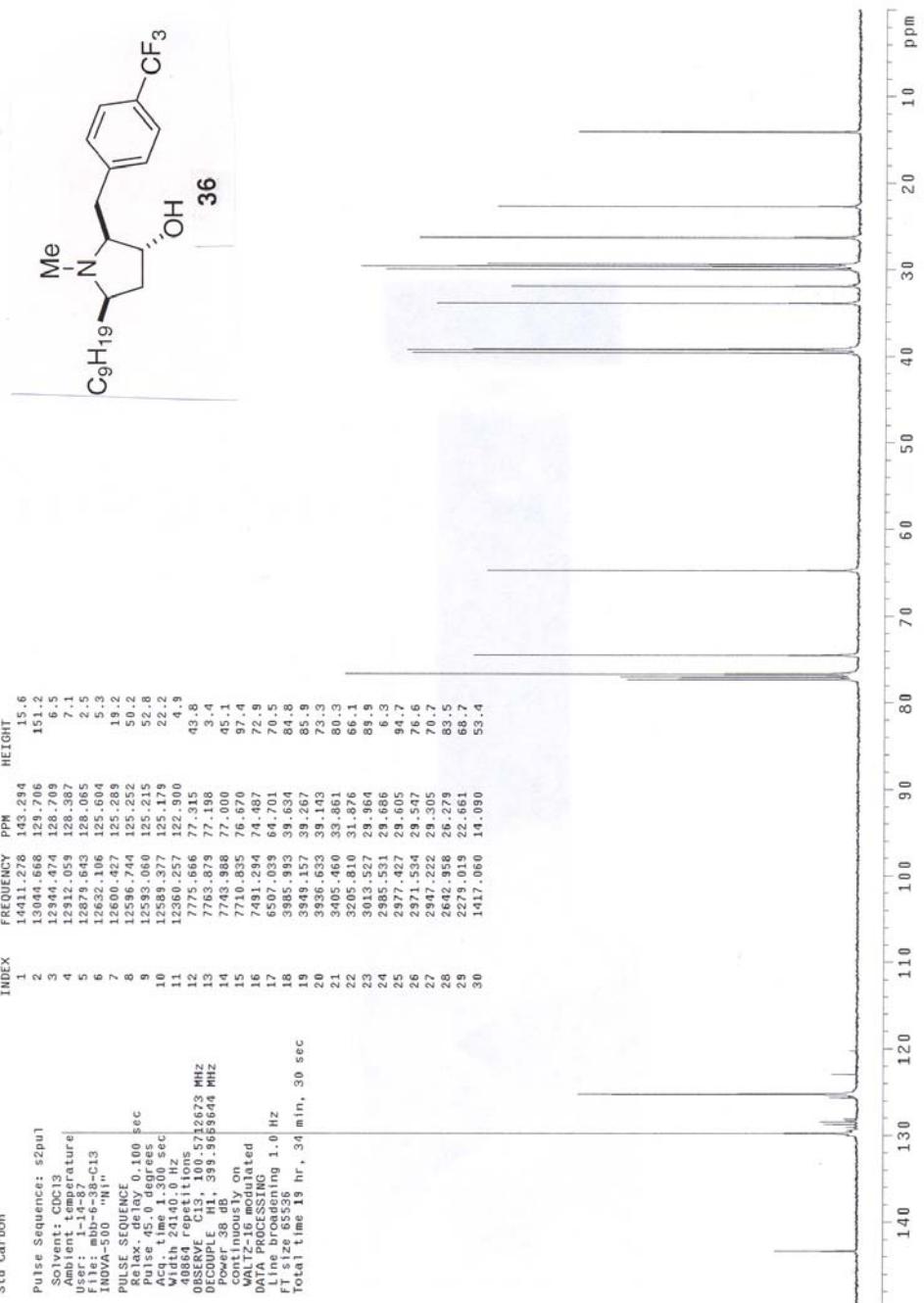




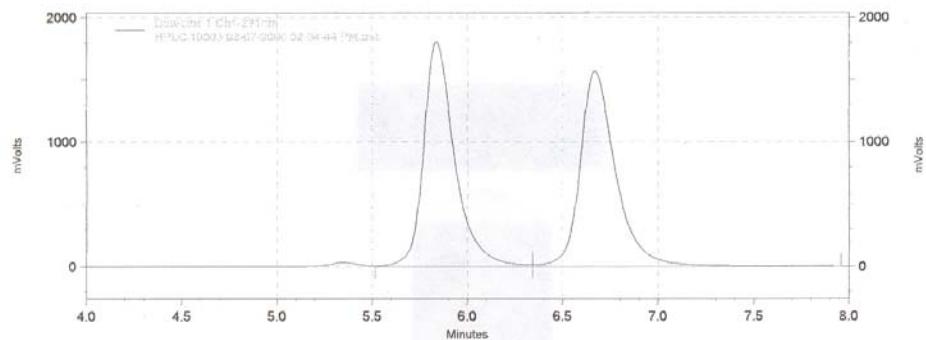




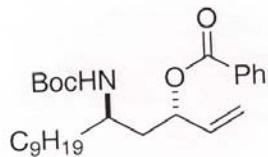




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03-07-2006 02-04-44 PM.dat



Detector 1 Chl-231nm		Results	Retention Time	Area	Area Percent
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6.667				20241074	49.706
<b>Totals</b>				40721189	100.000



Derivative of racemic 9

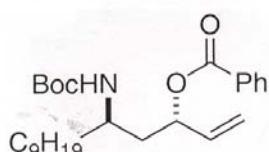
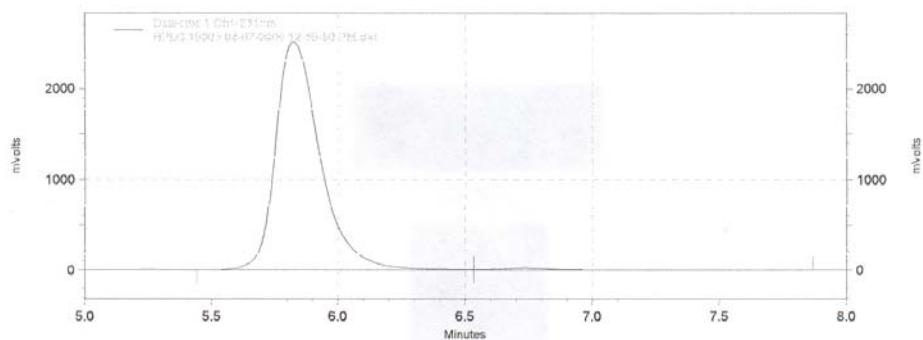
HPLC trace (231 nm)

Chiral column (R,R) WHELK-O (Regis Tech.)

Solvent system= 5 % isopropanol/hexanes

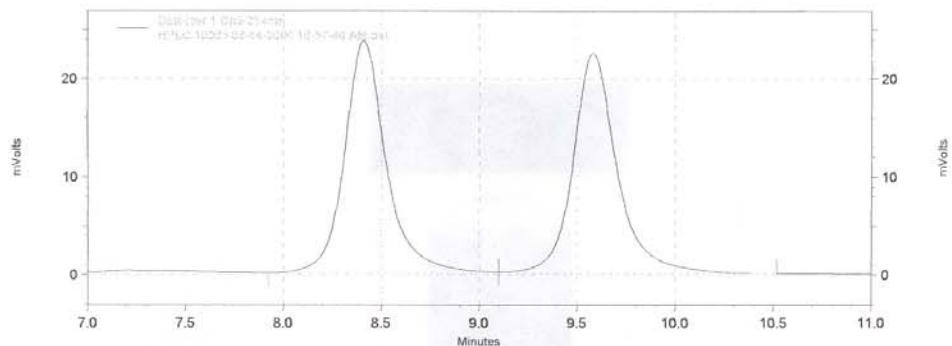
Flow rate = 1 mL/min

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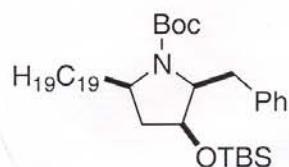
HPLC trace (231 nm)  
Chiral column (R,R) WHELK-O (Regis Tech.)  
Solvent system= 5 % isopropanol/hexanes  
Flow rate = 1 mL/min

Data: C:\CLASS-VP\Enterprise\Projects\Default\Data\Bertrand Data\HPLC.10003  
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Detector 1 Ch2-254nm  
Results

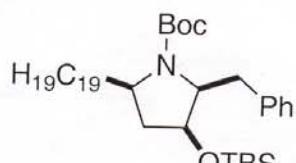
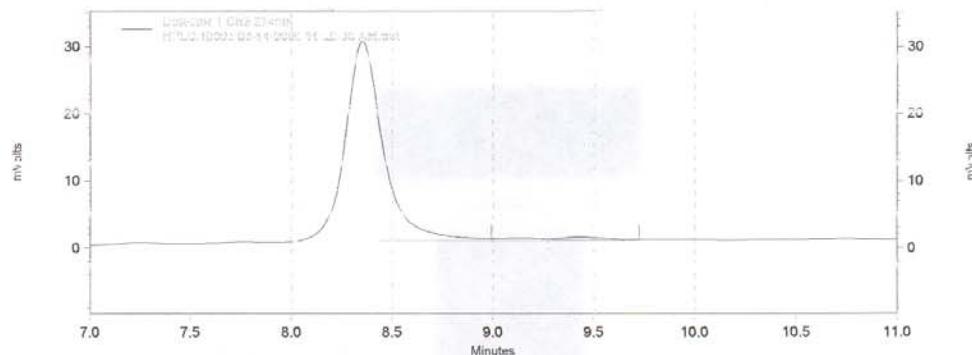
Retention Time	Area	Area Percent
8.408	355240	50.115
9.575	353609	49.885
Totals	708849	100.000



Racemic 11

HPLC trace (254 nm)  
Chiral column (R,R) WHELK-O (Regis Tech.)  
Solvent system= 2.5 % isopropanol/hexanes  
Flow rate = 0.5 mL/min

Data: C:\CLASS-VP\Enterprise\Projects\Default\Data\Bertrand Data\HPLC.10003  
03-14-2006 11-26-36 AM.dat



HPLC trace (254 nm)  
Chiral column (R,R) WHELK-O (Regis Tech.)  
Solvent system= 2.5 % isopropanol/hexanes  
Flow rate = 0.5 mL/min