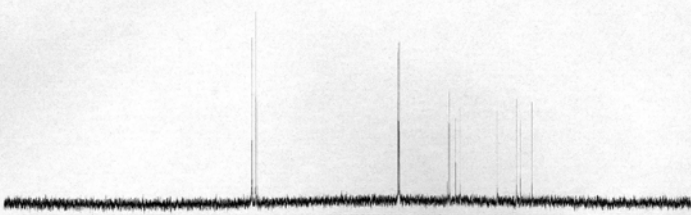
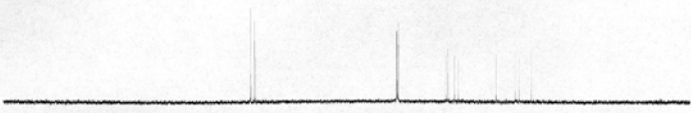


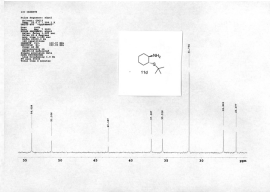
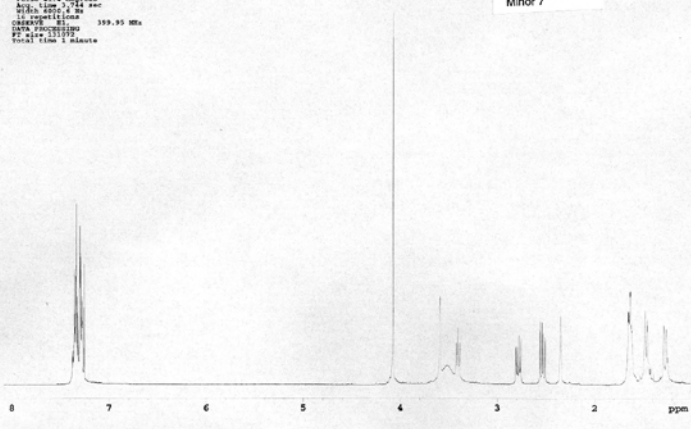
13C OBSERVE
 Pulse Sequence: zgpg30
 Solvent: CDCl3
 File: 130101_298.1 K
 Date: 10/10/01
 Time: 10:24:10
 Operator: jk
 Date: 10/10/01
 Time: 10:24:10
 Pulse: 12.4 degrees
 Acq. time: 1.0 sec
 F2: 100.625 MHz
 F1: 125.761 MHz
 Channel: 13C
 Observed: 100.87 MHz
 Processed: 99.95 MHz
 Name: 13C
 Comments: no
 WALTZ-16 modulation
 SINEBURSTING Gate
 GPC MODULATION
 Line Broadening: 1.0 Hz
 SI: 3271
 Total time: 11 minutes

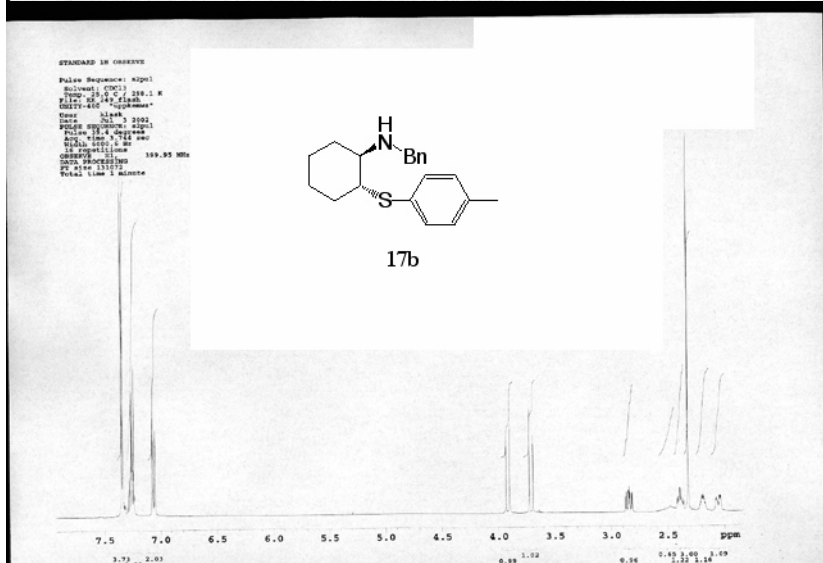
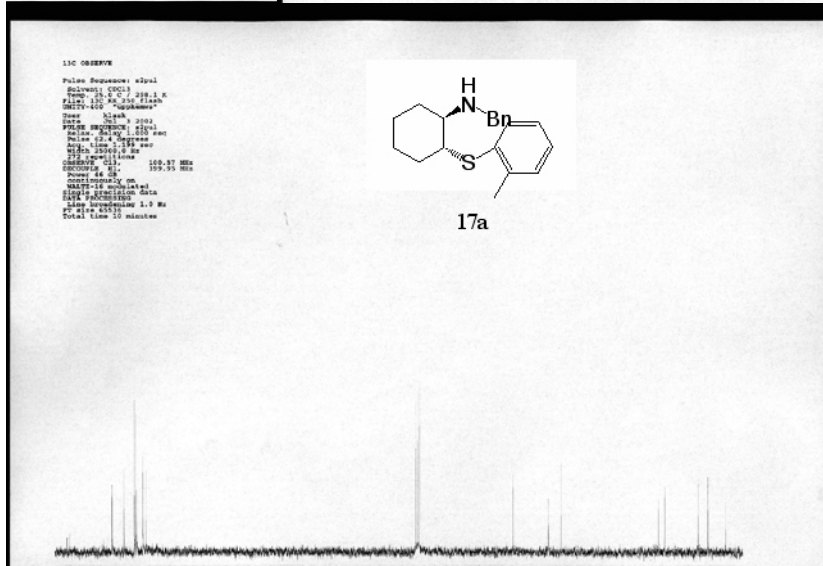
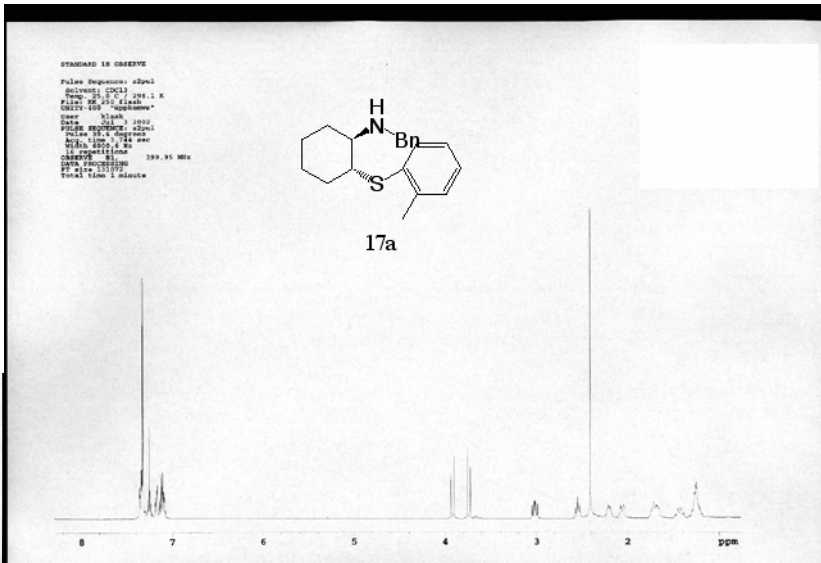
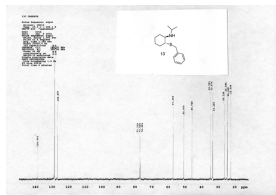


13C OBSERVE
 Pulse Sequence: zgpg30
 Solvent: CDCl3
 File: 130101_298.1 K
 Date: 10/10/01
 Time: 10:24:10
 Operator: jk
 Date: 10/10/01
 Time: 10:24:10
 Pulse: 12.4 degrees
 Acq. time: 1.0 sec
 F2: 100.625 MHz
 F1: 125.761 MHz
 Channel: 13C
 Observed: 100.87 MHz
 Processed: 99.95 MHz
 Name: 13C
 Comments: no
 WALTZ-16 modulation
 SINEBURSTING Gate
 GPC MODULATION
 Line Broadening: 1.0 Hz
 SI: 3271
 Total time: 11 minutes



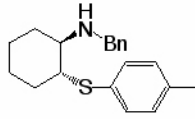
STANDARD 13C OBSERVE
 Pulse Sequence: zgpg30
 Solvent: CDCl3
 File: 130101_298.1 K
 Date: 10/10/01
 Time: 10:24:10
 Operator: jk
 Date: 10/10/01
 Time: 10:24:10
 Pulse: 12.4 degrees
 Acq. time: 1.0 sec
 F2: 100.625 MHz
 F1: 125.761 MHz
 Channel: 13C
 Observed: 100.87 MHz
 Processed: 99.95 MHz
 Name: 13C
 Comments: no
 WALTZ-16 modulation
 SINEBURSTING Gate
 GPC MODULATION
 Line Broadening: 1.0 Hz
 SI: 3271
 Total time: 11 minutes



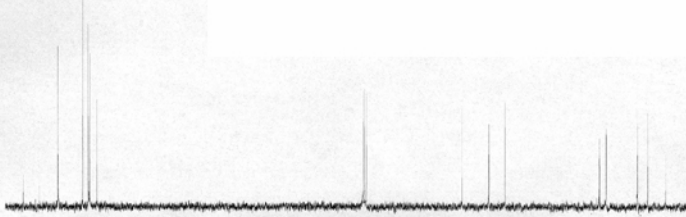


```

13C OBSERVE
Pulse Sequence: s2p01
Solvent: CDCl3
Time: 01:11:28
Date: 2002-02-28
Pulse Program: zgpg30
Pulse 12.4 degrees
NUC1: 13C
NUC2: 13C
OBSERVE: 13C
PULSEPROG3: 0.2 Hz
Total time 5 minutes
  
```

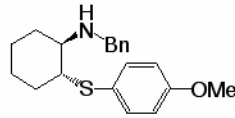


17b

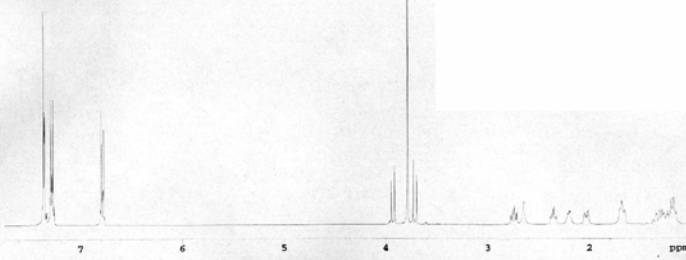


```

STANDARD 13C OBSERVE
Pulse Sequence: s2p01
Solvent: CDCl3
Time: 01:11:28
Date: 2002-02-28
Pulse Program: zgpg30
Pulse 12.4 degrees
NUC1: 13C
NUC2: 13C
OBSERVE: 13C
PULSEPROG3: 0.2 Hz
Total time 5 minutes
  
```

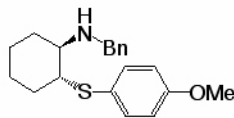


17c

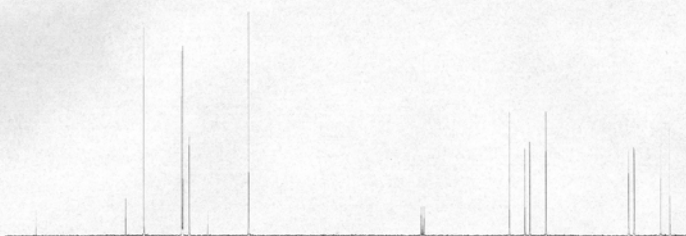


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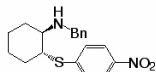
13C OBSERVE
Pulse Sequence: s2p01
Solvent: CDCl3
Time: 01:11:28
Date: 2002-02-28
Pulse Program: zgpg30
Pulse 12.4 degrees
NUC1: 13C
NUC2: 13C
OBSERVE: 13C
PULSEPROG3: 0.2 Hz
Total time 5 minutes
  
```



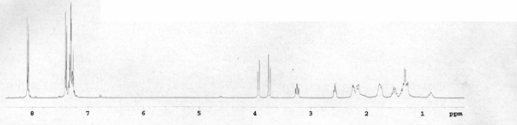
17c



STANDARD 1A CHIRAL
Pulse Sequence: zgpg30
Solvent: CDCl3
Temp: 300.2 K
Acq: 128.130 MHz
F2: 128.130 MHz
SFO: 128.130 MHz
AQ: 1.00000000
RG: 655.36
WDW: EM
SSB: 0.00
LB: 0.30000000
GB: 0.00
PC: 0.00
DC: 0.00
HDC: 0.00
WDW: EM
SSB: 0.00
LB: 0.30000000
GB: 0.00
PC: 0.00
DC: 0.00
HDC: 0.00
Total time 15 minutes

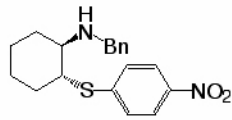


17d

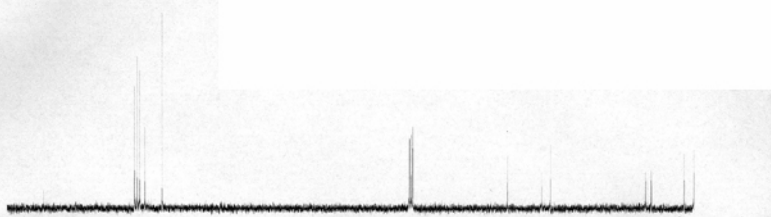


13C NMR

Pulse Sequence: zgpg30
Solvent: CDCl3
Temp: 300.2 K
Acq: 128.130 MHz
F2: 128.130 MHz
SFO: 128.130 MHz
AQ: 1.00000000
RG: 655.36
WDW: EM
SSB: 0.00
LB: 0.30000000
GB: 0.00
PC: 0.00
DC: 0.00
HDC: 0.00
Total time 15 minutes

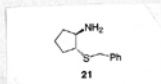


17d

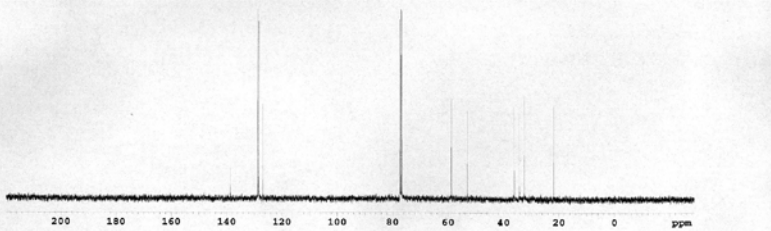


13C NMR

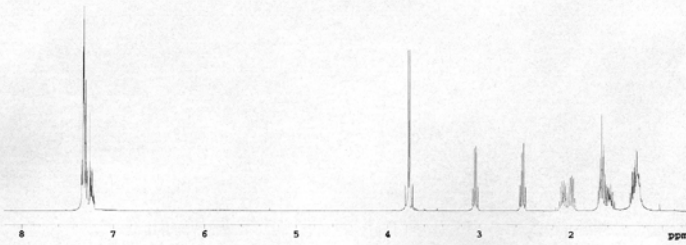
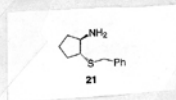
Pulse Sequence: zgpg30
Solvent: CDCl3
Temp: 300.2 K
Acq: 128.130 MHz
F2: 128.130 MHz
SFO: 128.130 MHz
AQ: 1.00000000
RG: 655.36
WDW: EM
SSB: 0.00
LB: 0.30000000
GB: 0.00
PC: 0.00
DC: 0.00
HDC: 0.00
Total time 15 minutes



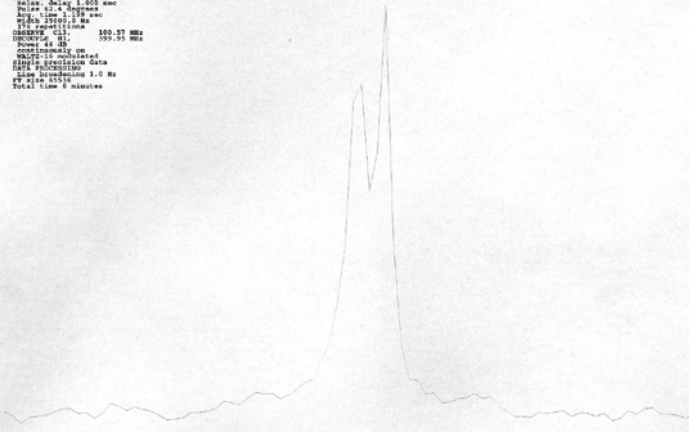
21



STANDARD IN OBSERVE
Pulse Sequence: sZsol
Solvent: CDCl3
Date: 01/11/2002
Time: 10:00:00
F2: 101.625 MHz
F1: 400.146 MHz
AQ: 0.09000000
RG: 655.36
SFO: 1.00000000
SI: 32768
SF: 400.14600000
NUC1: 13C
NUC2: 13C
PC: 1.00000000
PD: 0.00000000
PR: 0.00000000
PS: 0.00000000
PT: 0.00000000
PZ: 0.00000000
RG: 655.36
SFO: 1.00000000
SI: 32768
SF: 400.14600000
Total time 1 minute



13C OBSERVE
Pulse Sequence: sZsol
Solvent: CDCl3
Date: 01/11/2002
Time: 10:00:00
F2: 101.625 MHz
F1: 400.146 MHz
AQ: 0.09000000
RG: 655.36
SFO: 1.00000000
SI: 32768
SF: 400.14600000
Total time 6 minutes



13C OBSERVE
Pulse Sequence: sZsol
Solvent: CDCl3
Date: 01/11/2002
Time: 10:00:00
F2: 101.625 MHz
F1: 400.146 MHz
AQ: 0.09000000
RG: 655.36
SFO: 1.00000000
SI: 32768
SF: 400.14600000
Total time 21 minutes

