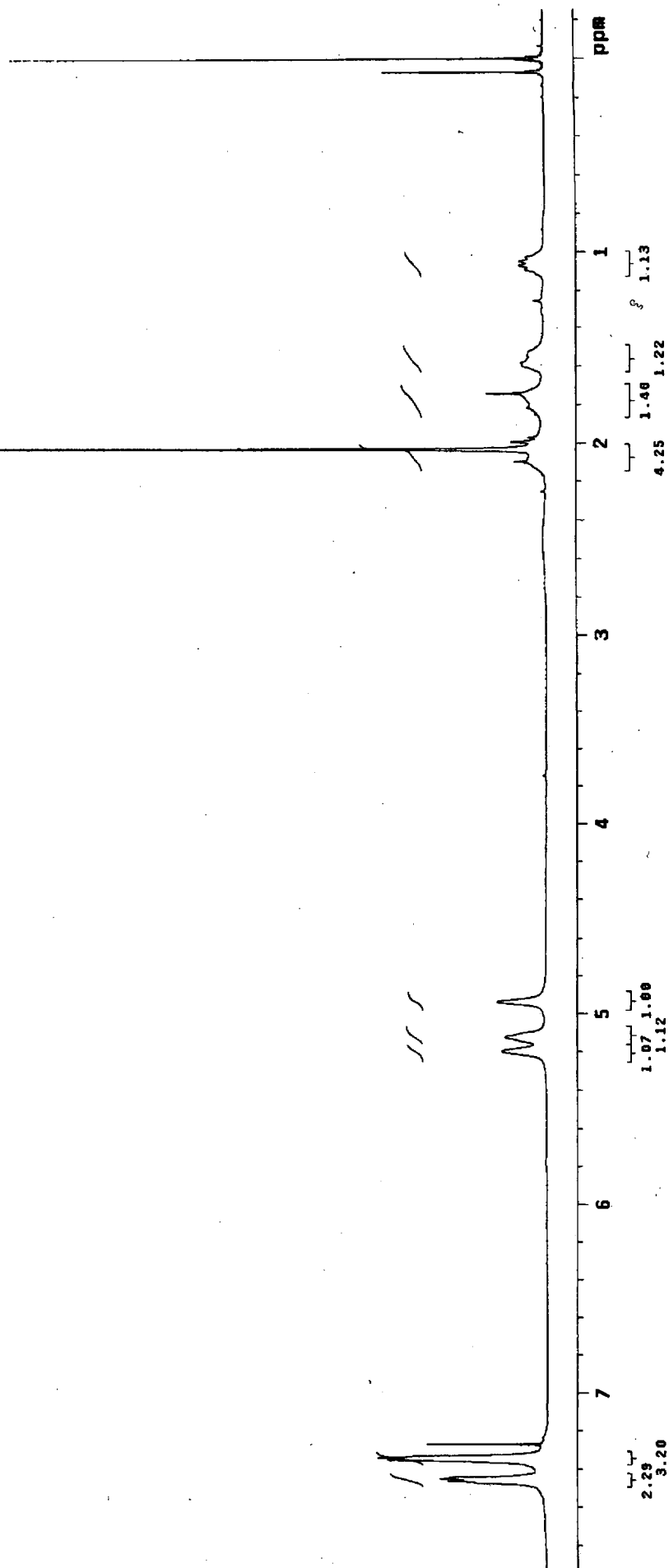
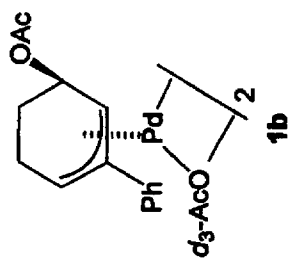
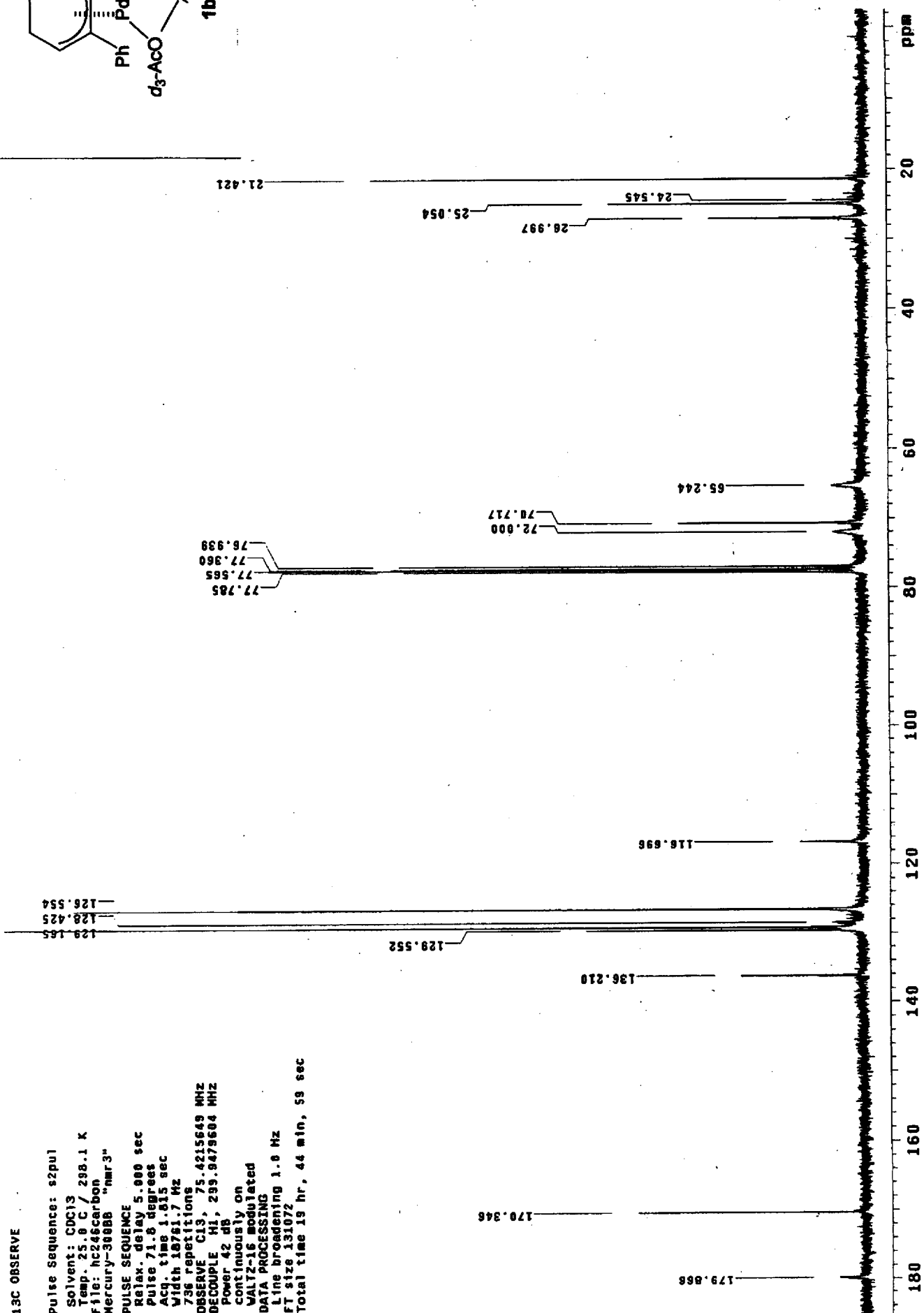
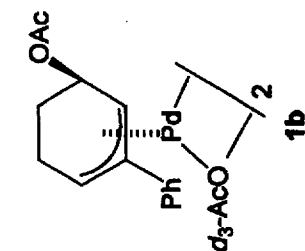


STANDARD 1H OBSERVE

Pulse Sequence: s2pul
 Solvent: CDCl3
 Temp. 25.0 C / 298.1 K
 File: hc2elproton
 Mercury-300B6 "nmr3"
 PULSE SEQUENCE
 Relax. delay 1.000 sec
 Pulse 58.4 degrees
 Acq. time 1.998 sec
 Width 4588.5 Hz
 16 repetitions
 OBSERVE H1 299.9464249 MHz
 DATA PROCESSING
 Line broadening 0.1 Hz
 FT size 32768
 Total time 8 min, 49 sec





13C OBSERVE

Pulse Sequence: s2pul

Solvent: CDCl₃

Temp: 25.0 C / 298.1 K

File: hc246carbon

Mercury-3000B "nmr3"

PULSE SEQUENCE

Relax. delay 5.000 sec

Pulse 71.8 degrees

Acq. time 1.815 sec

Width 18761.7 Hz

736 repetitions

OBSERVE C13, 75.4215649 MHz

DECOUPLE H1, 299.9479604 MHz

Power 42 dB

continuously on

WALTZ-16 modulated

DATA PROCESSING

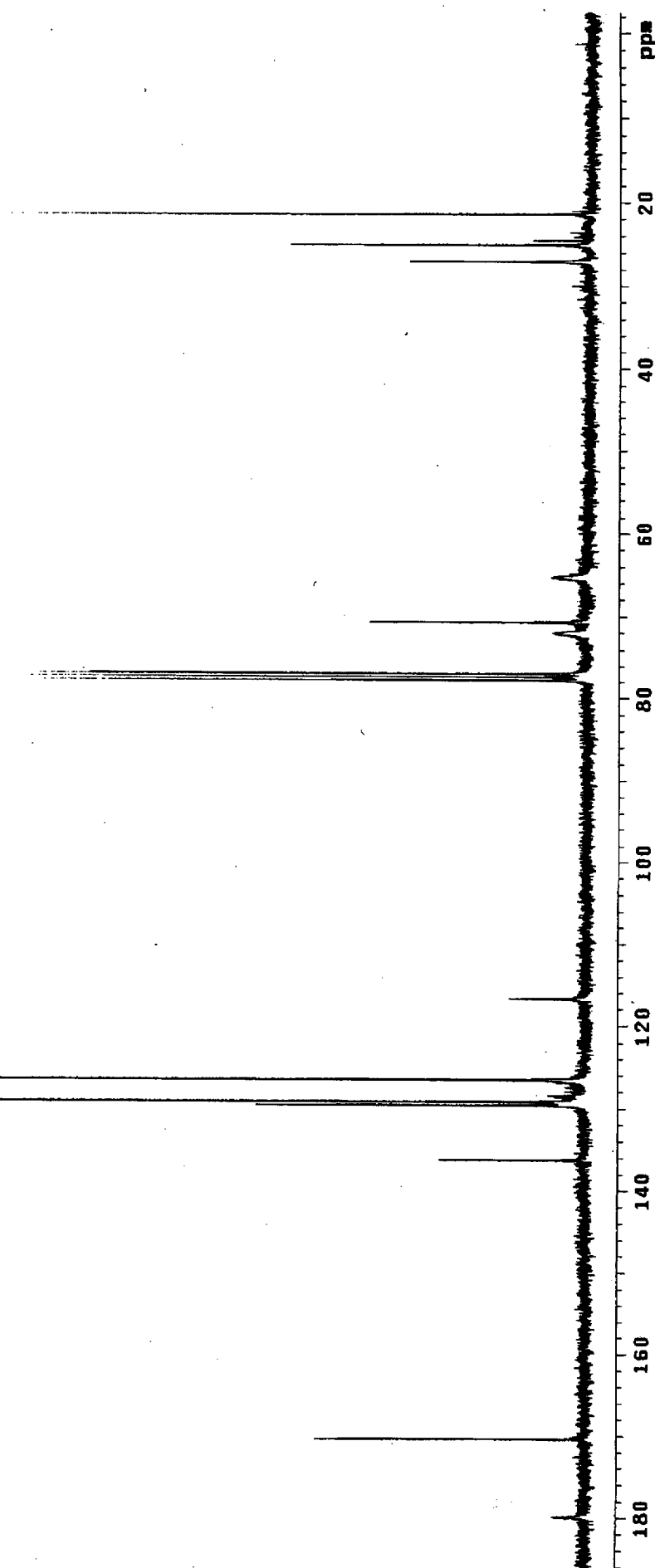
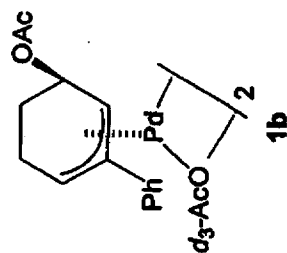
Line broadening 1.0 Hz

FT size 131072

Total time 19 hr, 44 min, 59 sec

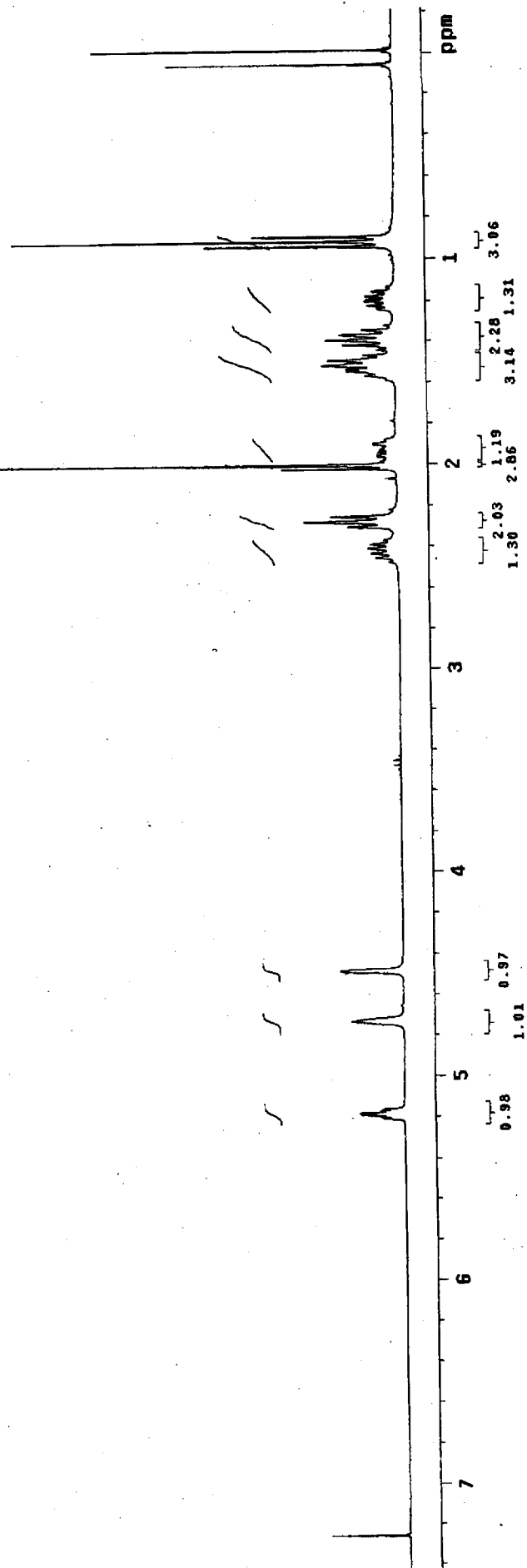
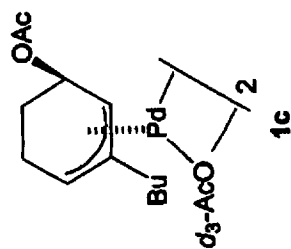
¹³C OBSERVE

Pulse Sequence: s2pul
 Solvent: CDCl₃
 Temp. 25.0 C / 298.1 K
 File: hc245carbon
 Mercury-30088 "nar3"
PULSE SEQUENCE
 Relax. delay 5.000 sec
 Pulse 71.8 degrees
 Acq. time 1.815 sec
 Width 18761.7 Hz
 736 repetitions
OBSERVE C13, 75.4215649 MHz
DECOUPLE H1, 299.9479604 MHz
 Power 42 dB
 continuously on
 WALTZ-16 modulated
DATA PROCESSING
 Line broadening 1.0 Hz
 FT size 131072
 Total time 10 hr, 44 min, 59 sec



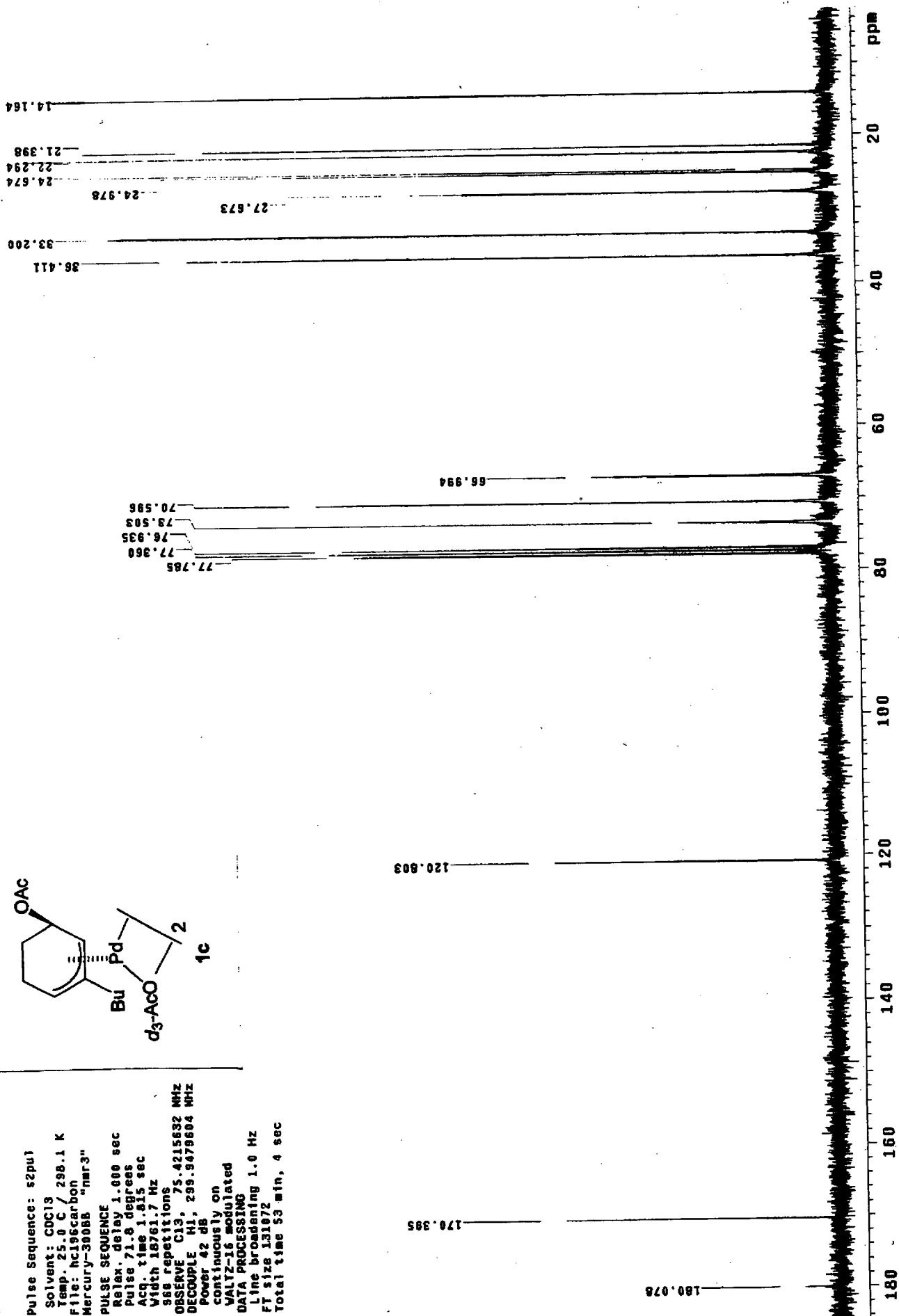
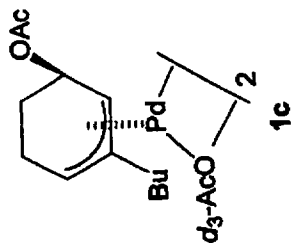
STANDARD 1H OBSERVE

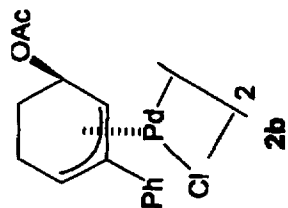
Pulse Sequence: s2pul
 Solvent: CDCl3
 Temp: 25.0 C / 298.1 K
 File: hci96proton
 Mercury-380B6 "nmr3"
 PULSE SEQUENCE
 Relax. delay 1.000 sec
 Pulse 56.4 degrees
 Acq. time 1.998 sec
 Width 4590.5 Hz
 16 repetitions
 OBSERVE H1, 299.9464279 MHz
 DATA PROCESSING
 Line broadening 0.1 Hz
 FT size 32768
 Total time 0 min, 49 sec



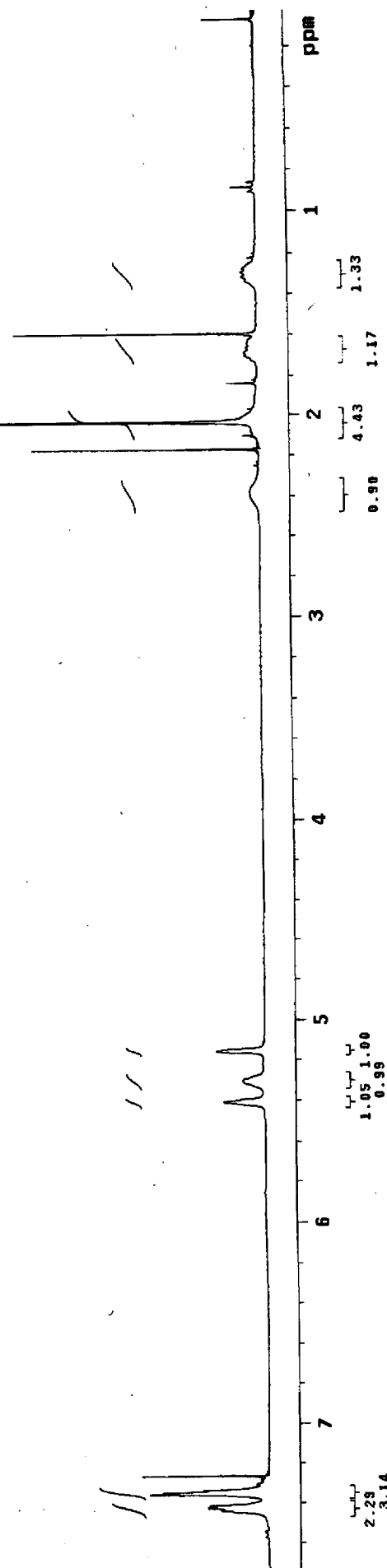
13C OBSERVE

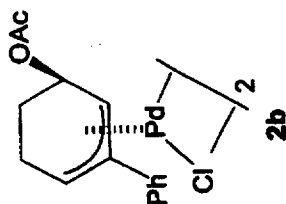
Pulse Sequence: s2pu1
 Solvent: CDCl3
 Temp. 25.0 C / 298.1 K
 File: hc196carbon
 Mercury-30088 "nrg3"
 PULSE SEQUENCE
 Relax. delay 1.000 sec
 Pulse 71.8 degrees
 Acq. time 1.815 sec
 Width 18761.7 Hz
 999 repetitions
 OBSERVE C13, 75.4215632 MHz
 DECOUPLE H1, 299.9478604 MHz
 Power 42 dB
 continuously on
 WALTZ-16 modulated
 DATA PROCESSING
 Line broadening 1.0 Hz
 FT size 131072
 Total time 53 min, 4 sec





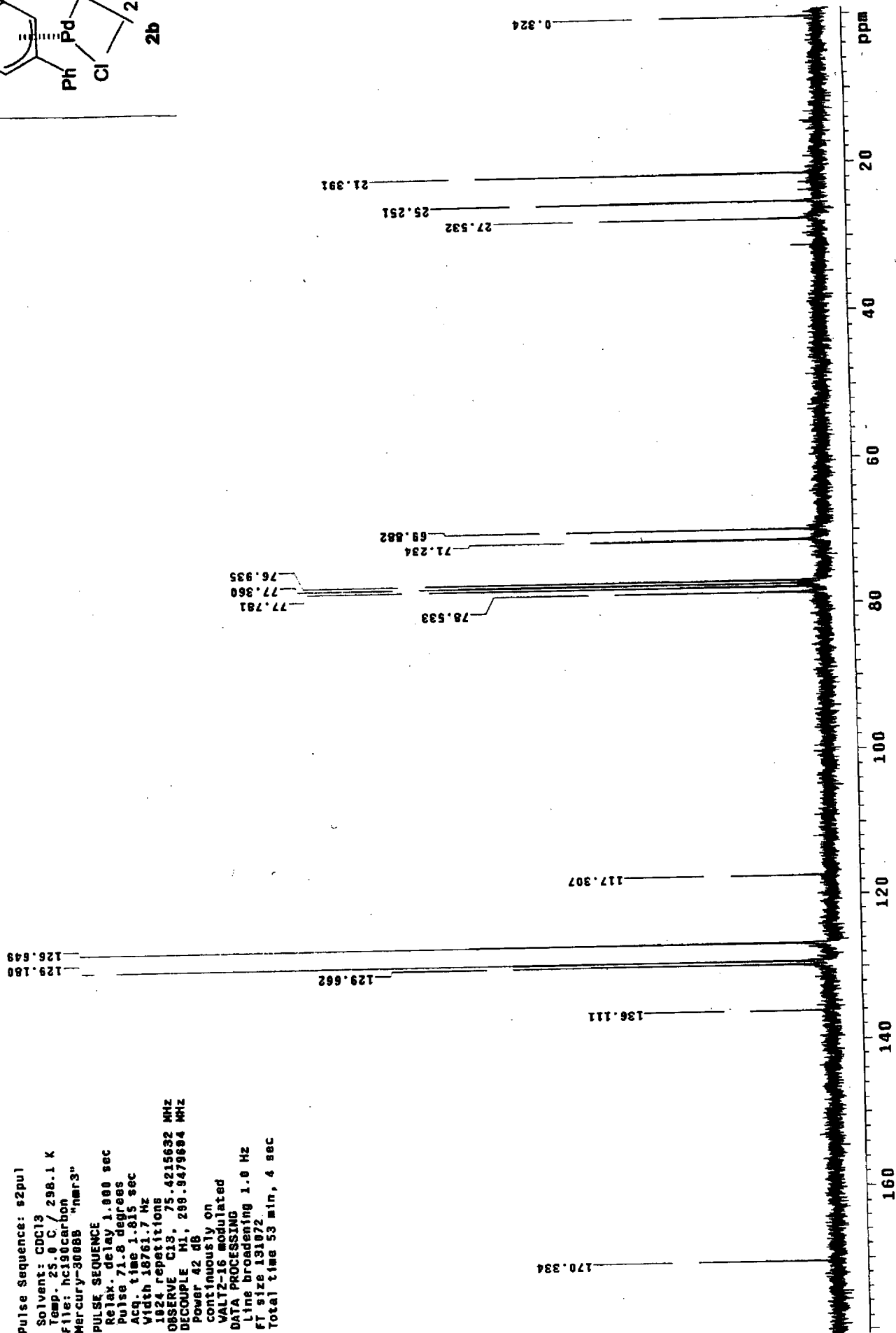
Pulse Sequence: s2pul
 Solvent: CDCl₃
 Temp: 25.0 C / 298.1 K
 File: hcl99proton
 Mercury-3000B "nmr3"
 PULSE SEQUENCE
 Relax: delay 1.000 sec
 Pulse: 99.4 degrees
 Acq. time 1.998 sec
 Width 4500.5 Hz
 16 repetitions
 OBSERVE H1, 299.9464274 MHz
 DATA PROCESSING
 Line broadening 0.1 Hz
 FT size 32768
 Total time 0 min, 49 sec





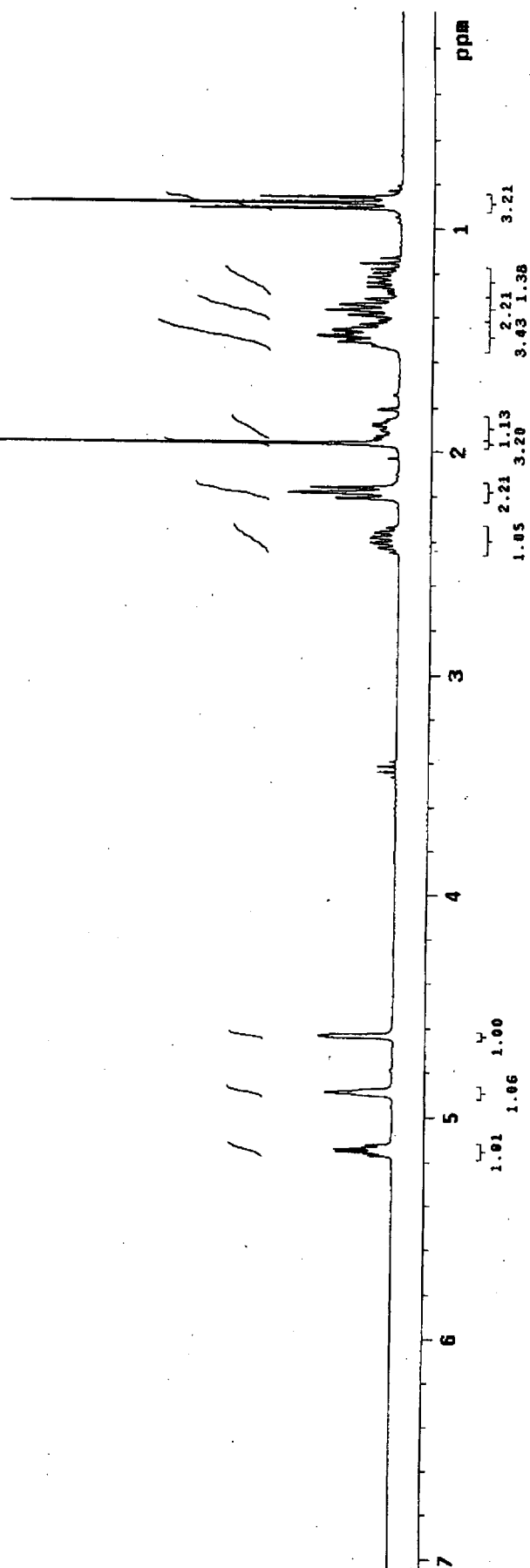
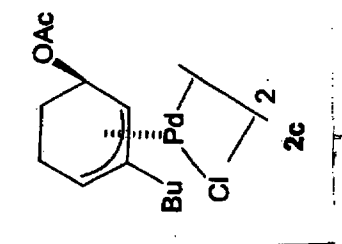
13C OBSERVE

Pulse Sequence: s2pul
 Solvent: CDCl₃
 Temp: 25.0 C / 298.1 K
 File: hc190carbon
 Mercury-30000 "nar3"
 PULSE SEQUENCE
 Relax. delay 1.00 sec
 Pulse 71.8 degrees
 Acq. time 1.815 sec
 Width 18761.7 Hz
 1024 repetitions
 OBSERVE C13, 75.4215632 MHz
 DECOUPLE H1, 299.9479694 MHz
 Power 42 dB
 continuously on
 VALTZ-16 modulated
 DATA PROCESSING
 Line broadening 1.0 Hz
 FT size 131072
 Total time 53 min, 4 sec



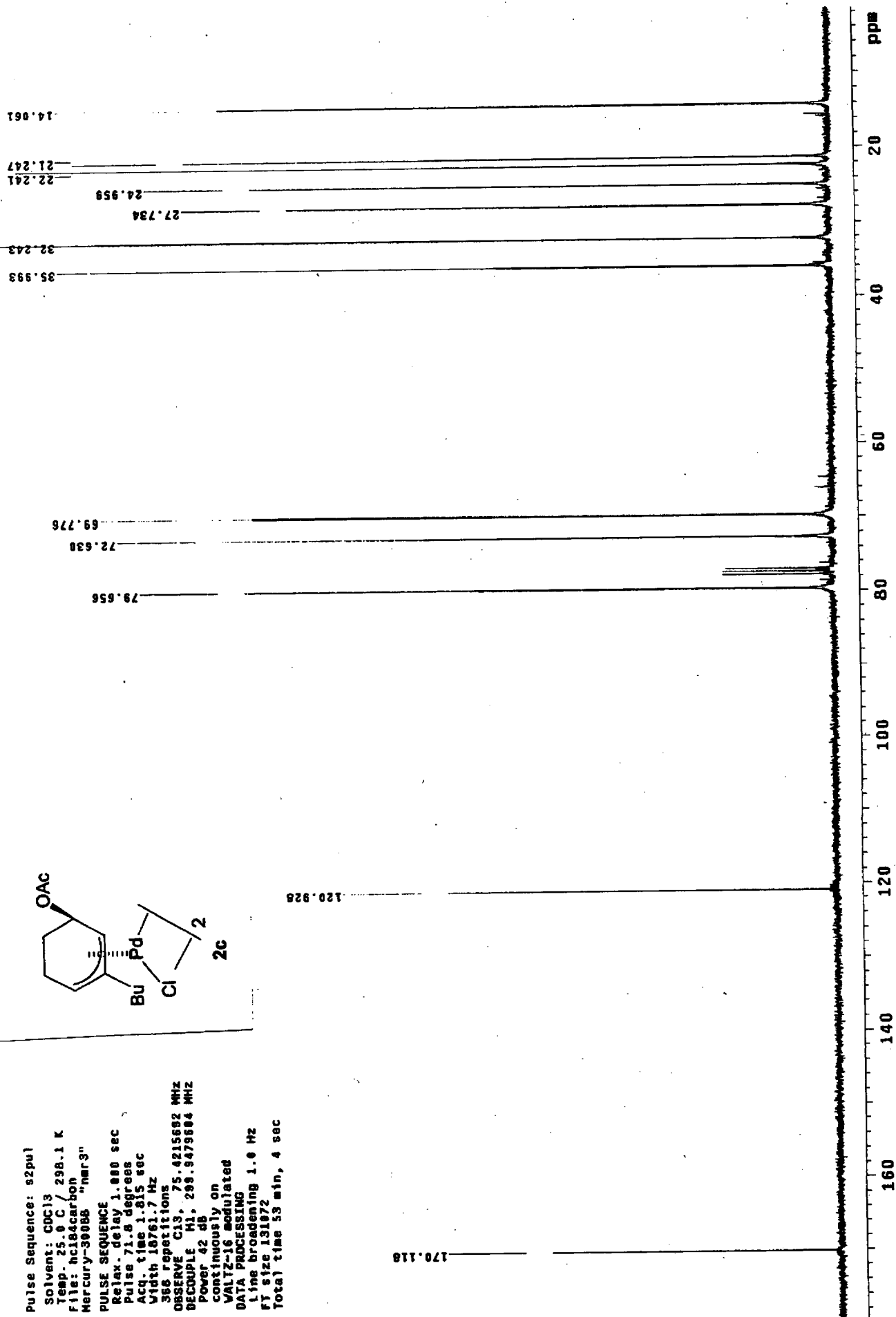
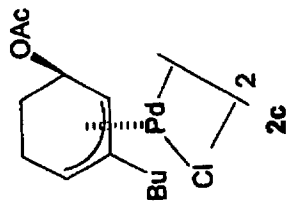
STANDARD 1H OBSERVE

Pulse Sequence: s2pu1
 Solvent: CDCl3
 Temp. 25.0 C / 298.1 K
 File: hcl64proton
 Mercury-30088 "nmr3"
 PULSE SEQUENCE
 Relax. delay 1.000 sec
 Pulse 50.4 degrees
 Acq. time 1.998 sec
 Width 4500.5 Hz
 16 repetitions
 OBSERVE H1 299.9464278 MHz
 DATA PROCESSING
 Line broadening 0.1 Hz
 FI size 32768
 Total time 0 min. 49 sec

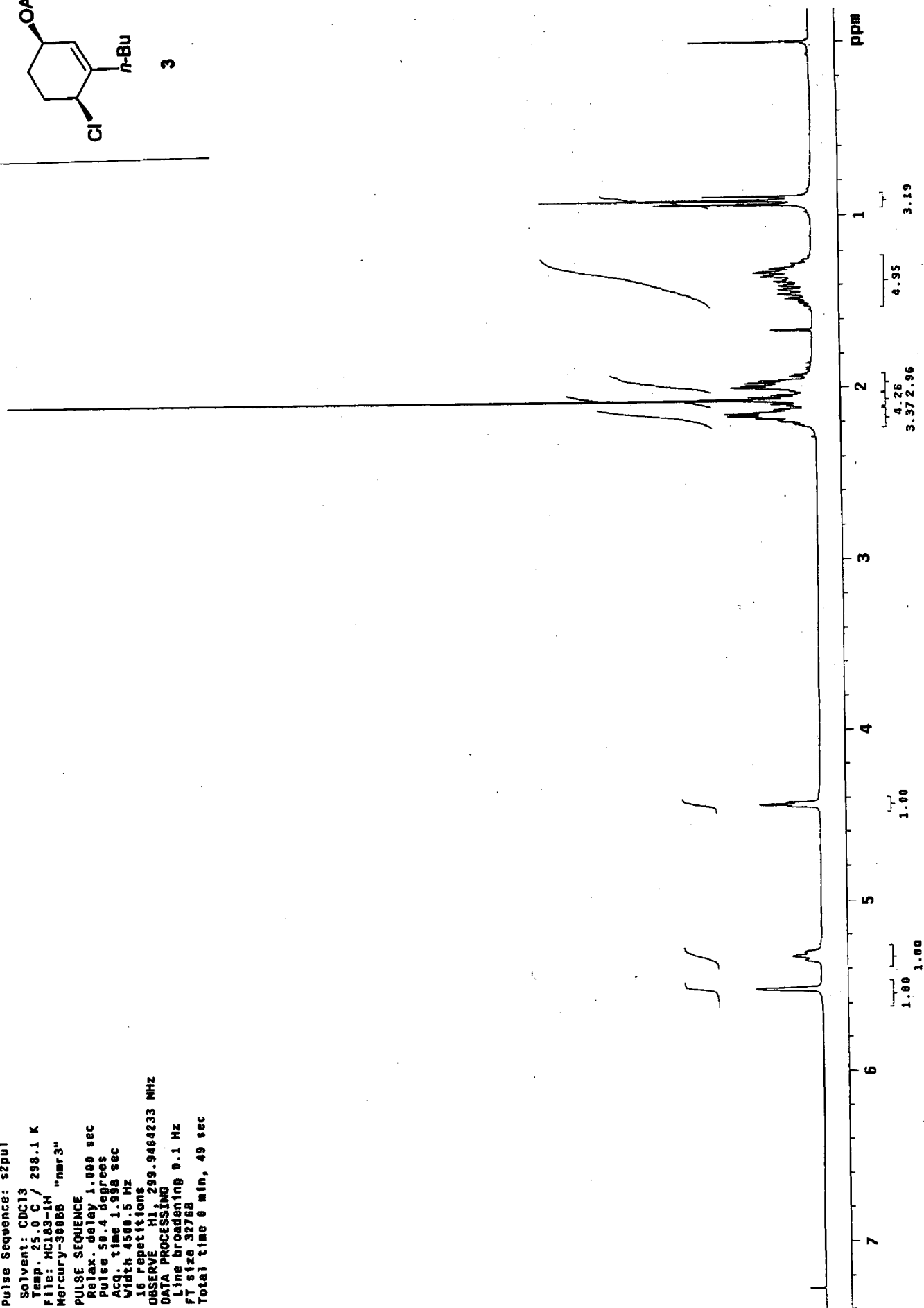
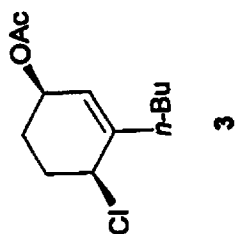


13C OBSERVE

Pulse Sequence: s2pul
 Solvent: CDCl₃
 Temp: 25.0 °C / 298.1 K
 File: hcl84carbon
 Mercury-30085 "nmr-3"
 PULSE SEQUENCE
 Relax. delay 1.000 sec
 Pulse 71.0 degrees
 Acq. time 1.815 sec
 Width 18761.7 Hz
 366 repetitions
 OBSERVE C13, 75.4215882 MHz
 DECOUPLE H1, 299.9479884 MHz
 Power 42 dB
 continuously on
 VAlTz-16 modulated
 DATA PROCESSING
 Line broadening 1.0 Hz
 FT size 131072
 Total time 53 min, 4 sec



HC183-1H 300MHz CDC13
 Pulse Sequence: s2pul
 Solvent: CDC13
 Temp. 25.0 C / 298.1 K
 File: HC183-1H
 Mercury-300BB "nmr3"
 PULSE SEQUENCE
 Relax. delay 1.000 sec
 Pulse 59.4 degrees
 Acq. time 1.998 sec
 Width 4500.5 Hz
 16 repetitions
 OBSERVE H1, 299.9464233 MHz
 DATA PROCESSING
 Line broadening 0.1 Hz
 FT size 32788
 Total time 0 min, 49 sec



13C OBSERVE

Pulse Sequence: s2pu1

Solvent: CDCl3

Temp. 25.0 C / 298.1 K

File: HC183-13C

Mercury-400BB "nuc4"

PULSE SEQUENCE

Relax. delay 1.000 sec

Pulse 50.0 degrees

Acq. time 1.199 sec

Width 25000.0 Hz

272 repetitions

OBSERVE C13, 100.5651745 MHz

DECOUPLE H1, 399.9428336 MHz

Power 42 dB

continuously on

WALTZ-16 modulated

DATA PROCESSING

Line broadening 1.0 Hz

FT size 65536

Total time 42. min, 5 sec

