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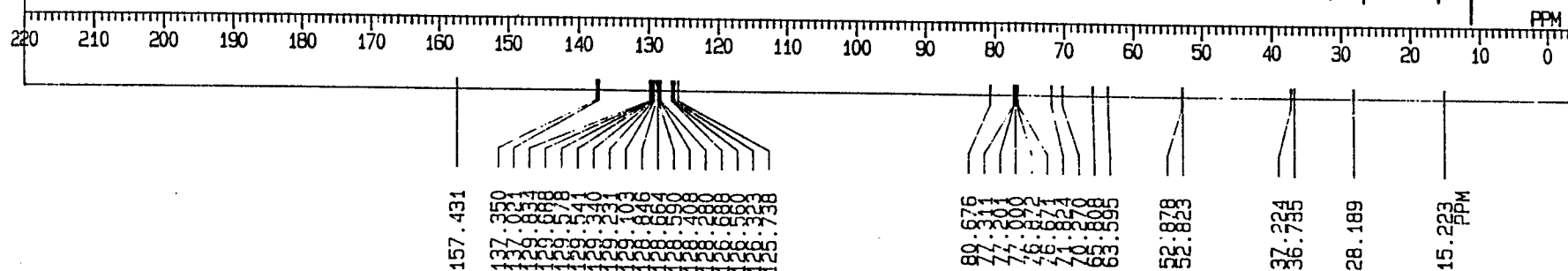


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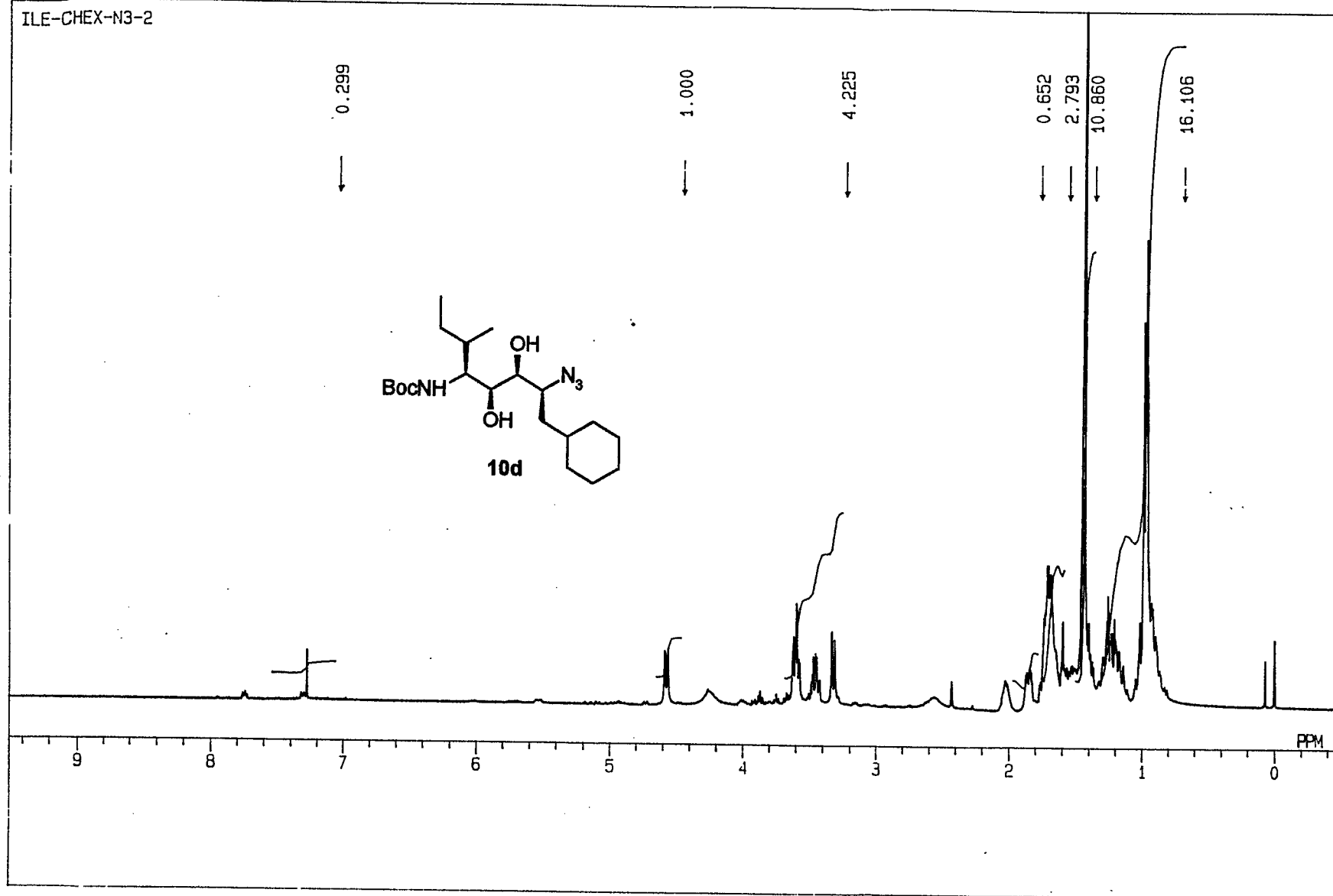
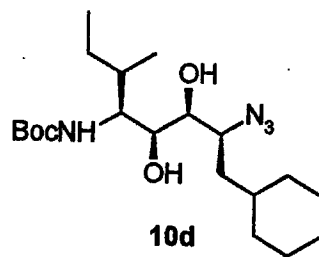
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10a



ILE-CHEX-N3-2



JEOL

28-JAN-97 10:09:20

DFILE OBN32H1

OBNUC 1H

EXMOD NON

OFR 399.65 MHz

OBSET 124.00 kHz

OBFIN 10500.0 Hz

POINT 32768

FREQU 8000.0 Hz

SCANS 16

ACQTM 2.048 sec

PD 4.952 sec

PW1 5.0 us

IRNUC 1H

CTEMP 22.6 c

SLVNT CDCL3

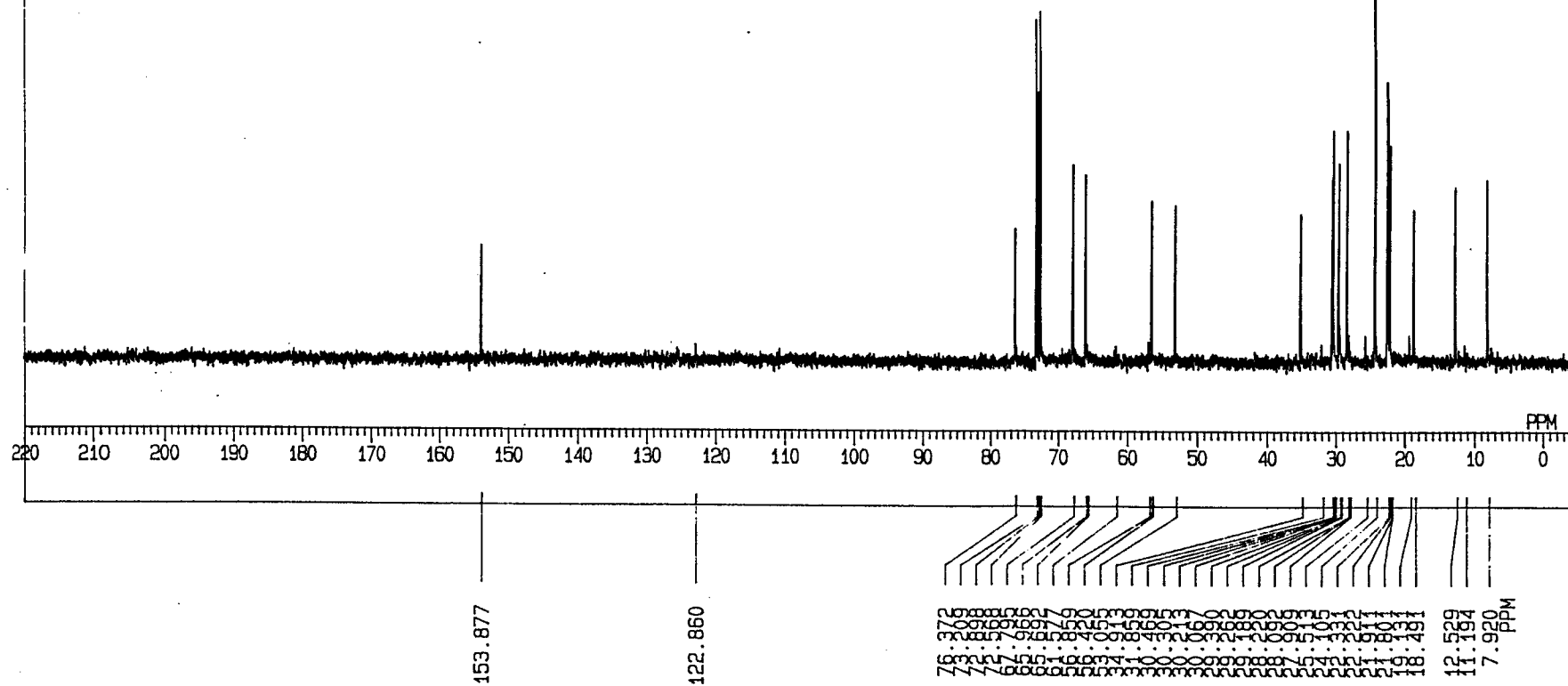
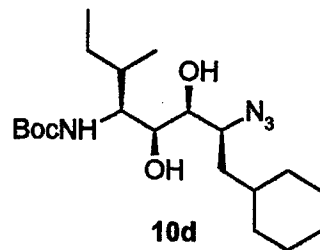
EXREF 0.00 ppm

BF 0.02 Hz

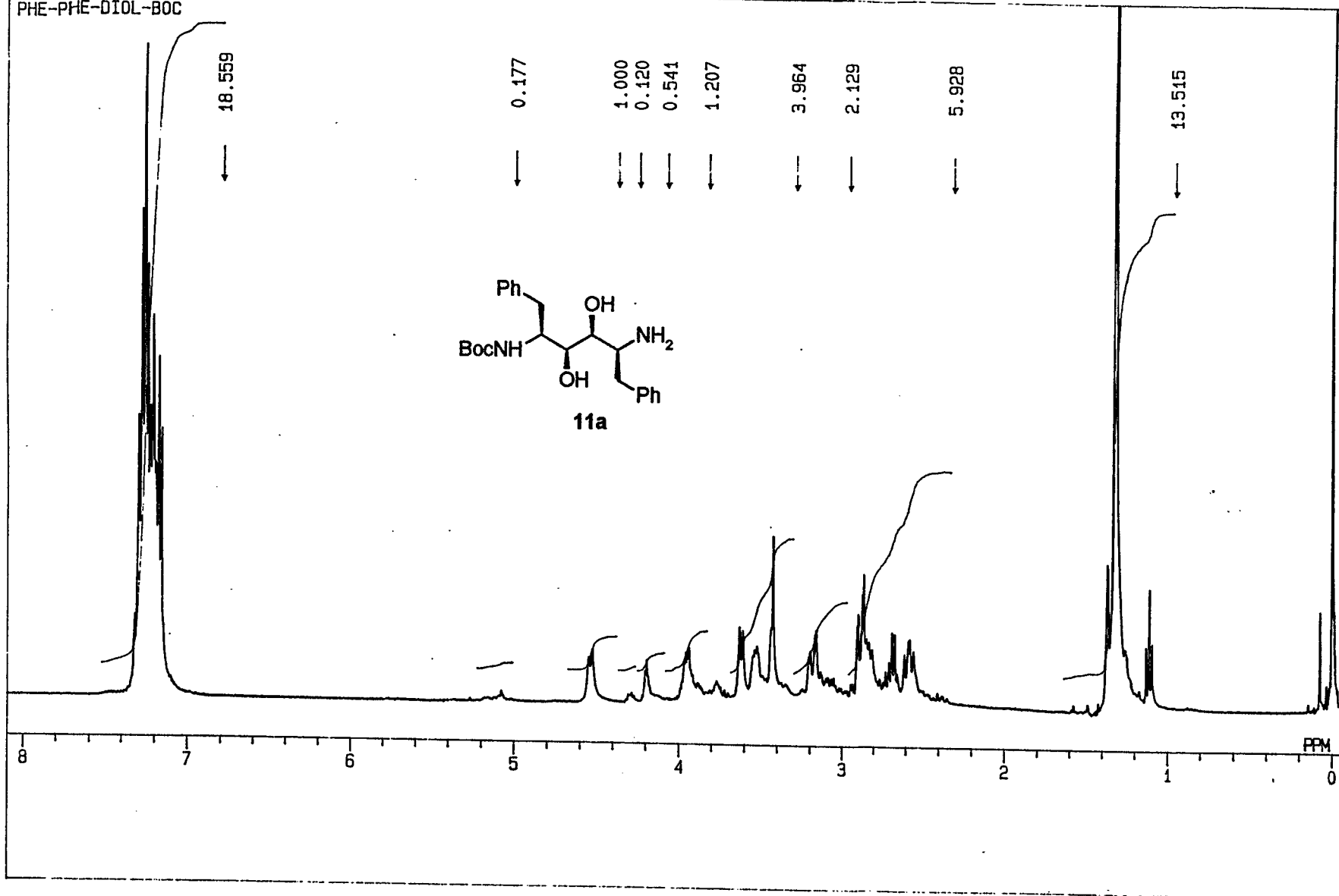
RGAIN 10

OPERATOR :

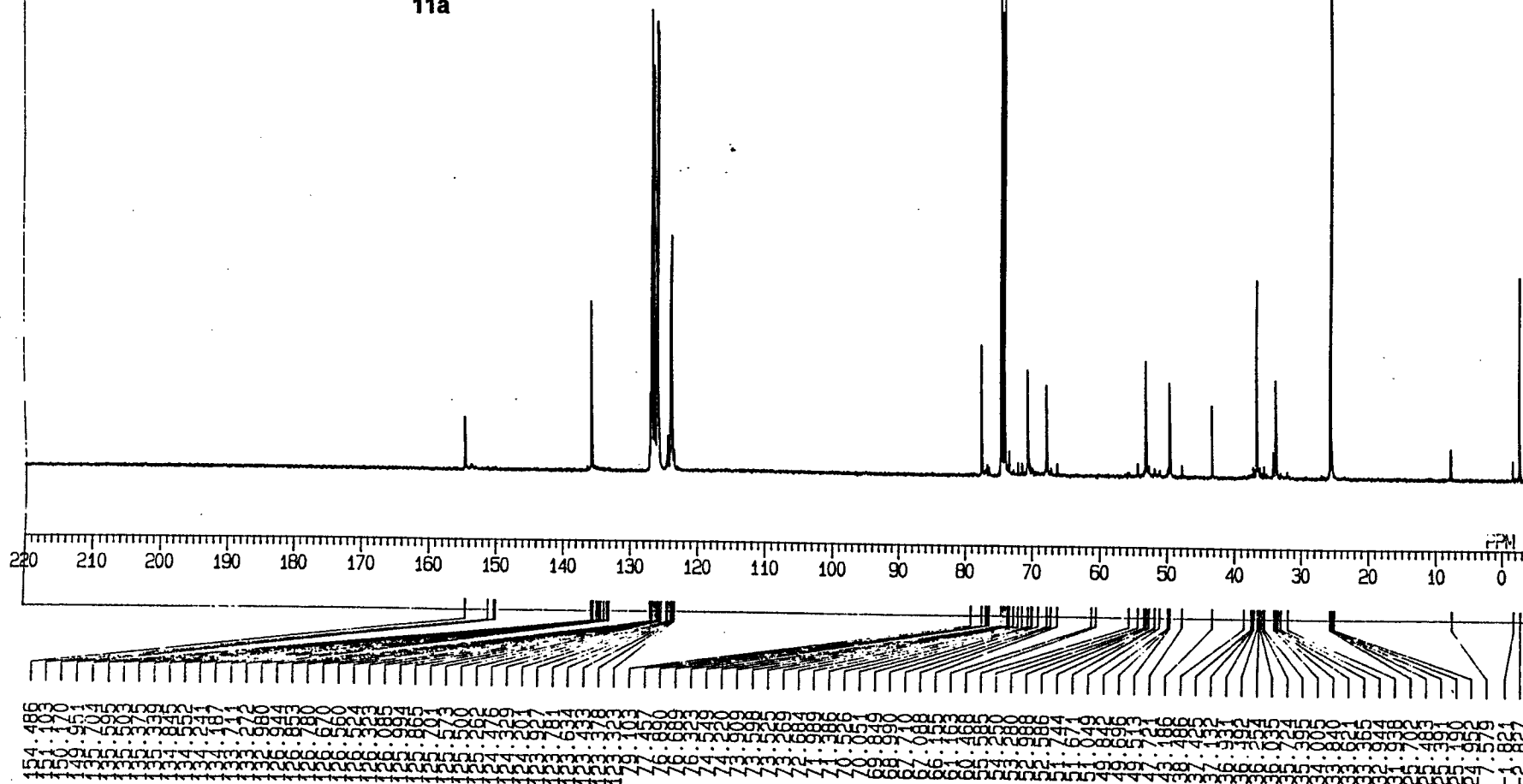
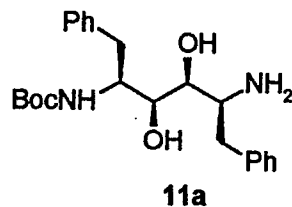
30-JAN-97 22:11:58
 DFILE Q13C
 OBNUC 13C
 EXMOD BCM
 QFR 100.40 MHz
 OBSET 125.00 kHz
 OBFIN 10500.0 Hz
 POINT 32768
 FREQU 30120.5 Hz
 SCANS 97
 ACQTM 0.544 sec
 PD 2.456 sec
 PW1 4.8 us
 IRNUC 1H
 CTEMP 23.6 c
 SLVNT CDCL3
 EXREF 77.00 ppm
 BF 1.50 Hz
 RGAIN 28
 OPERATOR : _____



PHE-PHE-DIOL-BOC



22-FEB-97 10:07:27
DFILE Q13C
OBNUC 13C
EXMOD BCM
OFR 100.40 MHz
OBSET 125.00 kHz
OBFIN 10500.0 Hz
POINT 32768
FREQU 30120.5 Hz
SCANS 13815
ACQTM 0.544 sec
PD 2.456 sec
PW1 4.8 usec
IRNUC 1H
CTEMP 26.4 C
SLVNT CDCL3
EXREF 77.00 ppm
BF 1.50 Hz
RGAIN 26
OPERATOR : _____



ILE-CHX-DIOL

0.413

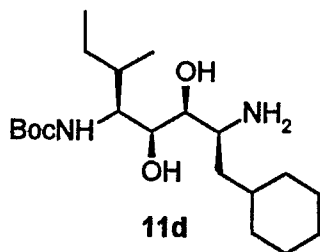
1.000

3.916
0.848

0.944

48.276

18.760



30

JEOL

18-DEC-96 13:14:48

DFILE OBILEDH1

OBNUC 1H

EXMOD NON

OFR 399.65 M

OBSET 124.00 k

OBFIN 10500.0 H

POINT 32768

FREQU 8000.0 H

SCANS 16

ACQTM 2.048 s

PD 4.952 s

PW1 5.0 u

IRNUC 1H

CTEMP 22.8 c

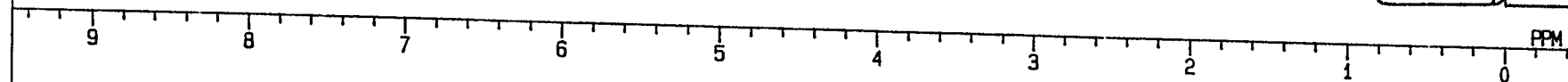
SLVNT CDCL3

EXREF 0.00 p

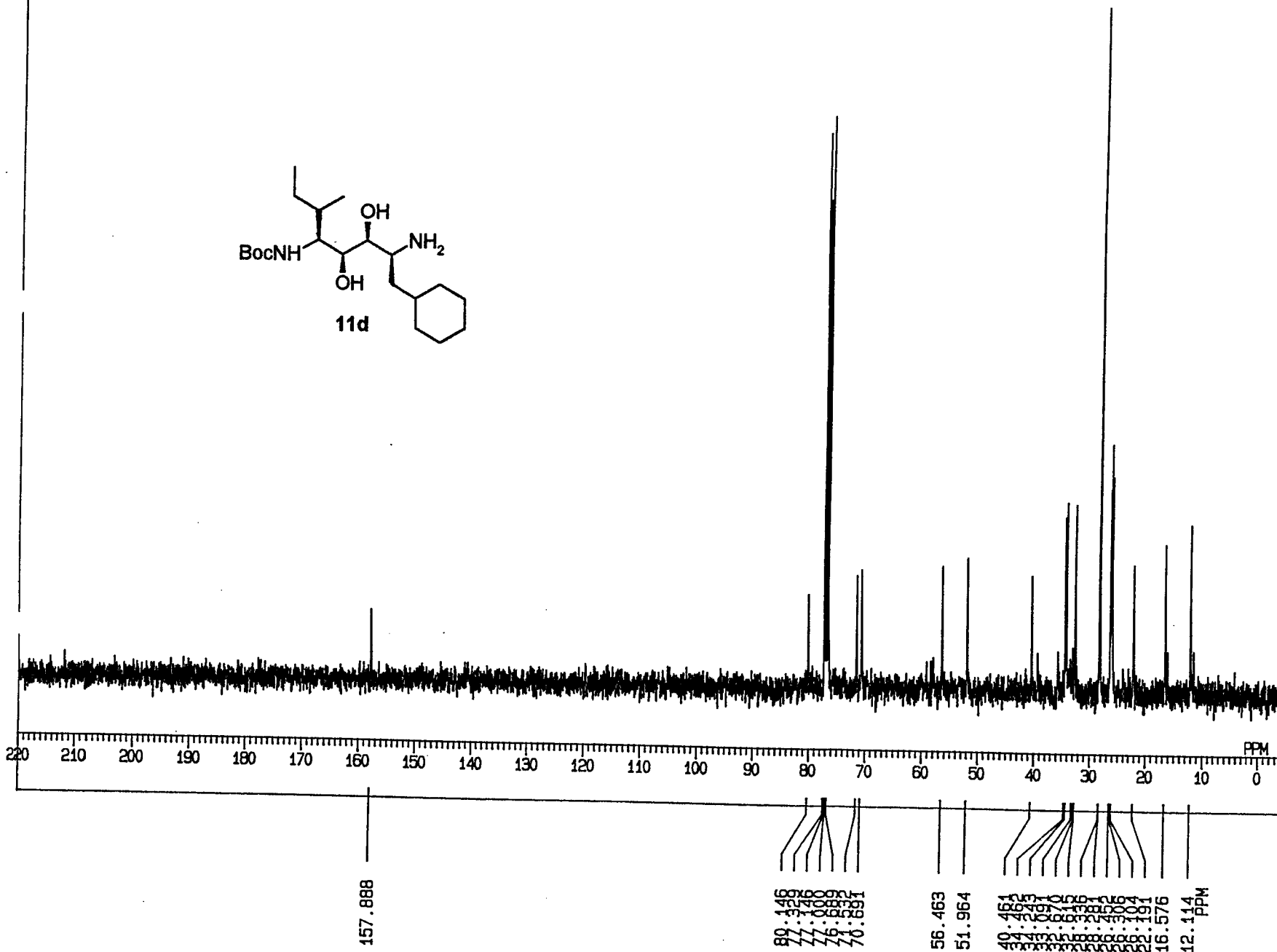
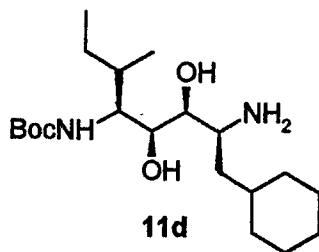
BF 0.02 H

RGAIN 12

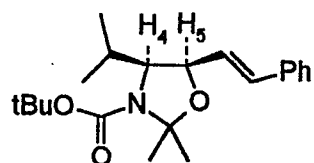
OPERATOR :



20-DEC-96 21: 40: 10
 DFILE Q13C
 OBNUC 13C
 EXMOD BCM
 OFR 100.40 MHz
 OBSET 125.00 kHz
 OBFIN 10500.0 Hz
 POINT 32768
 FREQU 30120.5 Hz
 SCANS 158
 ACQTM 0.544 sec
 PD 2.456 sec
 PW1 4.8 us
 IRNUC 1H
 CTEMP 24.1 c
 SLVNT CDCL3
 EXREF 77.00 ppm
 BF 1.50 Hz
 RGAIN 26
 OPERATOR :



VAL-ACETONIDE-BF₃



13

9.182

1.000

1.007

1.151

0.496

0.555

2.757

0.628

1.497

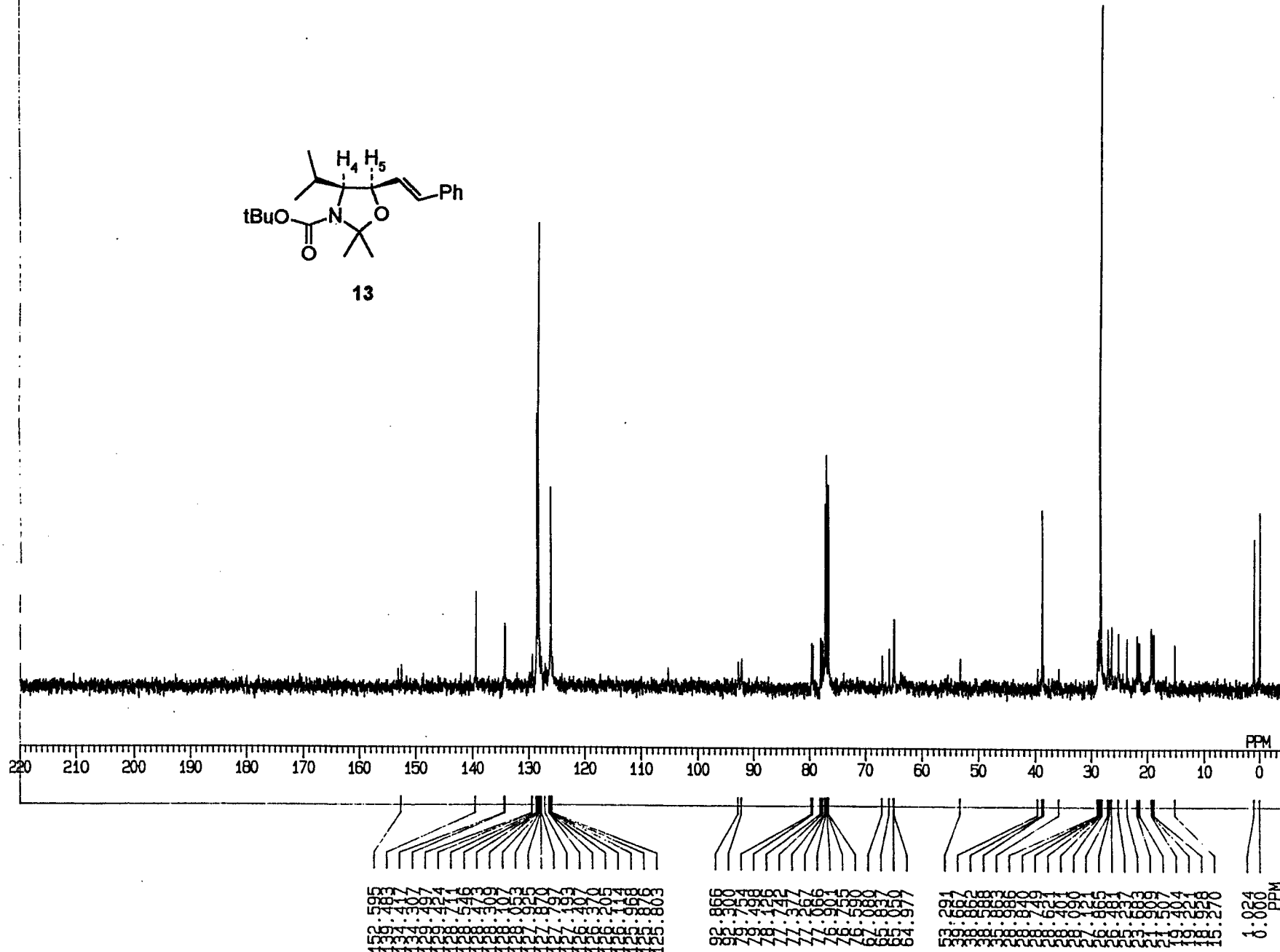
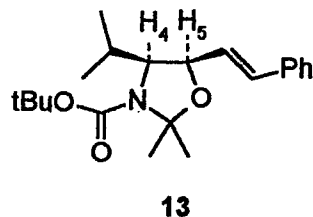
7.611

14.346

8.723

8 7 6 5 4 3 2 1 0 PPM

VAL-ACETONIDE



JEOL

29-MAR-96 20:56:12

DFILE Q13C

OBNUC 13C

EXMOD BCM

OFR 100.40 MHz

OBSET 125.00 kHz

OBFIN 10500.0 Hz

POINT 32768

FREQU 30120.5 Hz

SCANS 92

ACQTM 0.544 sec

PD 2.456 sec

PW1 4.8 us

IRNUC 1H

CTEMP 24.7 c

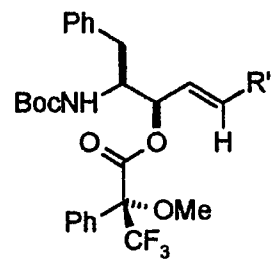
SLVNT CDCL3

EXREF 0.00 ppm

BF 1.50 Hz

RGAIN 26

OPERATOR :



14

