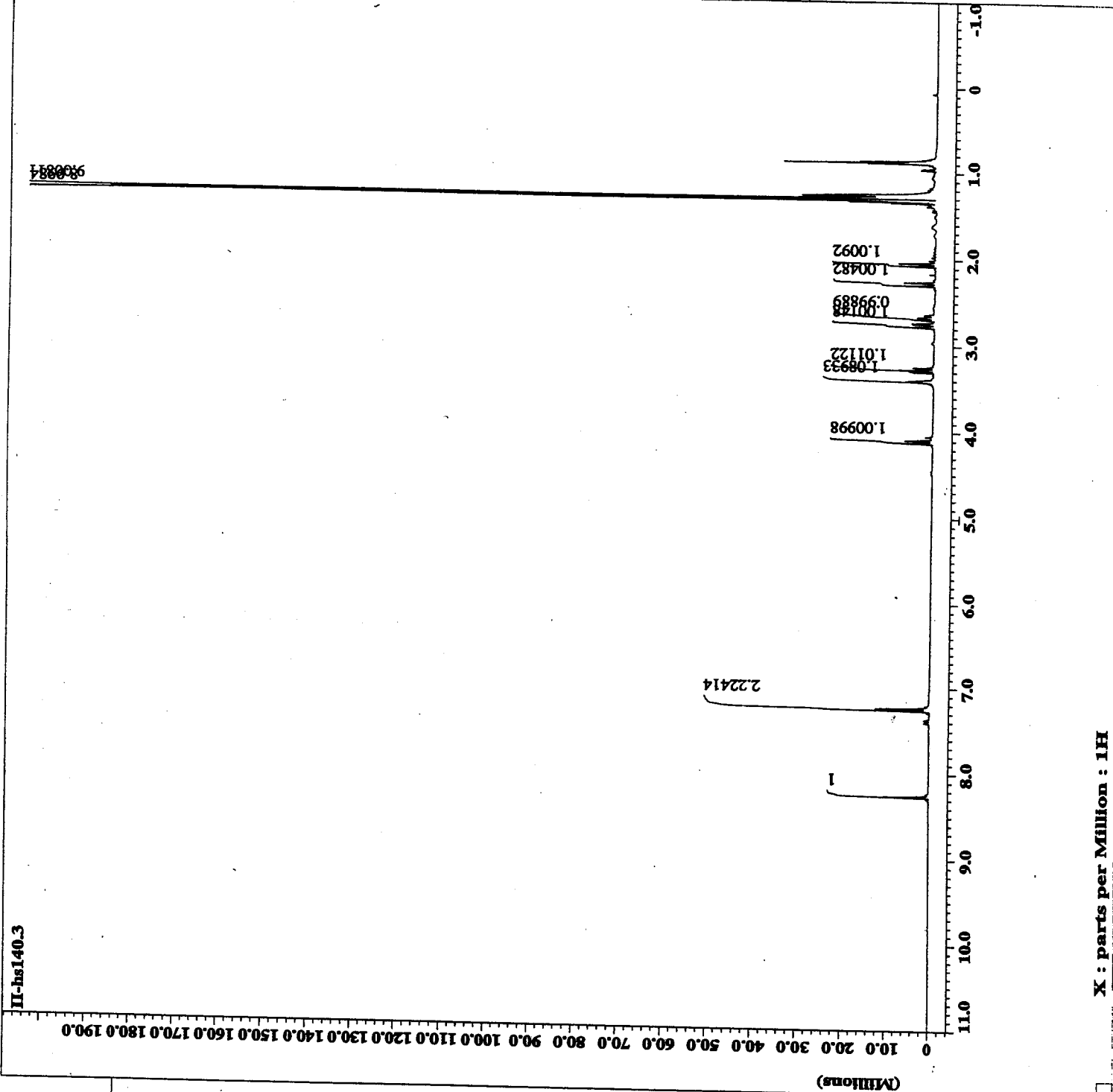
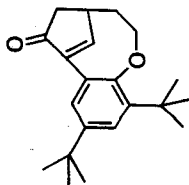


d 0163085



----- ACQUISITION PARAMETERS -----
 File Name = II-hs140.3
 Author =
 Sample ID = 1
 Content = Single Pulse Experiment
 Creation Date = 7-OCT-2000 23:08:31
 Revision Date = 7-OCT-2000 23:12:41
 Spec Site = Eclipse+ 500
 Spec type = DELTA_MMR
 Data Format = 1D COMPLEX
 Dimensions = X
 Dim title = 1H
 Dim Size = 32768
 Dim Units = [ppm]
 Scans = 32
 X_domain = 1H
 X_offset = 5[ppm]
 X_freq = 500.16241602[MHz]
 X_sweep = 6.00240096[MHz]
 Field_strength = 11.7473979[T]
 Filter_mode = HETCORHMQH
 Filter_width = 3.00095949[MHz]
 Recvr_gain = 17
 Solvent = CDCl3/acetone-D
 Spin_rate = 15[Hz]
 Spin_time = 23.7[sec]



SI for 01163085

JEOL

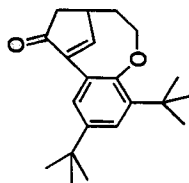
```

----- ACQUISITION PARAMETERS -----
File Name      = II-hs170c.3
Author         =
Sample ID      = 1
Content        = Single Pulse with Broa
Creation Date   = 24-DEC-2000 09:32:20
Revision Date  = 7-FEB-2001 10:38:03

Spec Site      = Eclipse+ 500
Spec Type      = DELTA_NMR

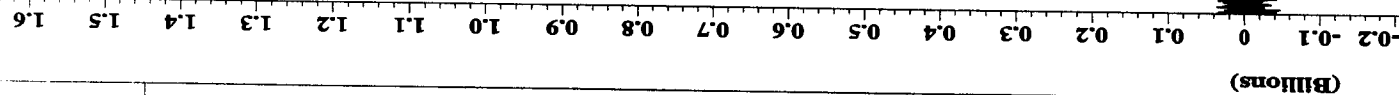
Data Format     = 1D COMPLEX
Dimensions     = X
Dim Title      = 13C
Dim Size       = 65536
Dim Units      = [ppm]
Scans          = 10000
X_domain       = 13C
X_offset       = 110[Dppm]
X_freq         = 125.77913339[MHz]
X_sweep        = 30.21148036[KHz]
Field_strength = 11.7473579[T]
Filter_mode     = BUTTERWORTH
Filter_width   = 15.09183572[KHz]
Recvr_gain     = 30
Solvent        = CHLOROFORM-D
Spin_get       = 15[Hz]
Temp_get       = 23.1[degC]

```



15a

II-hs170c.3



210.0 200.0 190.0 180.0 170.0 160.0 150.0 140.0 130.0 120.0 110.0 100.0 90.0 80.0 70.0 60.0 50.0 40.0 30.0 20.0 10.0

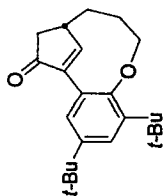
X : parts per Million : 13C

II-hs172a-re.3

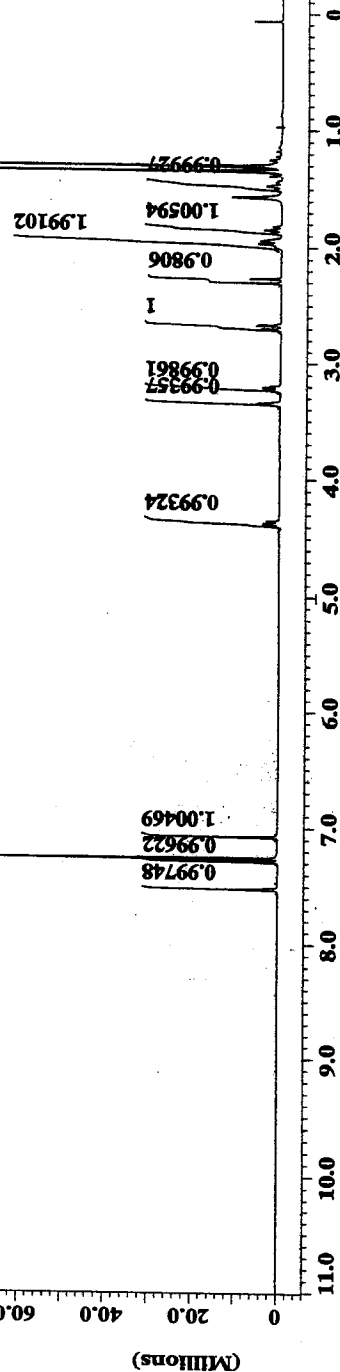
```

----- ACQUISITION PARAMETERS -----
File Name      = II-hs172a-re.3
Author         =
Sample ID      = 1
Content        = Single Pulse Experiment
Creation Date   = 13-MAR-2001 14:03:10
Revision Date  = 19-MAR-2001 12:15:04
Spec Site     = Eclipse+ 500

Spec Type      = DELTA_NMR
Data Format     = 1D COMPLEX
Dimensions     = X
Dim Title      = 1H
Dim Size       = 32768
Dim Units      = [ppm]
Scans          = 32
X_domain       = 1H
X_offset       = 5[ppm]
X_freq         = 500.16241602[MHz]
X_sweep        = 6.00240096[kHz]
Field Strength = 11.7473579[T]
Filter Mode     = BUTTERWORTH
Filter Width    = 3.00095949[kHz]
Recvr Gain     = 23
Solvent        = CHLOROFORM-D
Spin Get       = 15[Hz]
Temp Get       = 23[degC]
  
```



17a



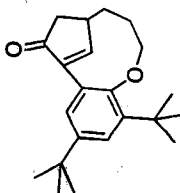
X : parts per Million : 1H

0163085

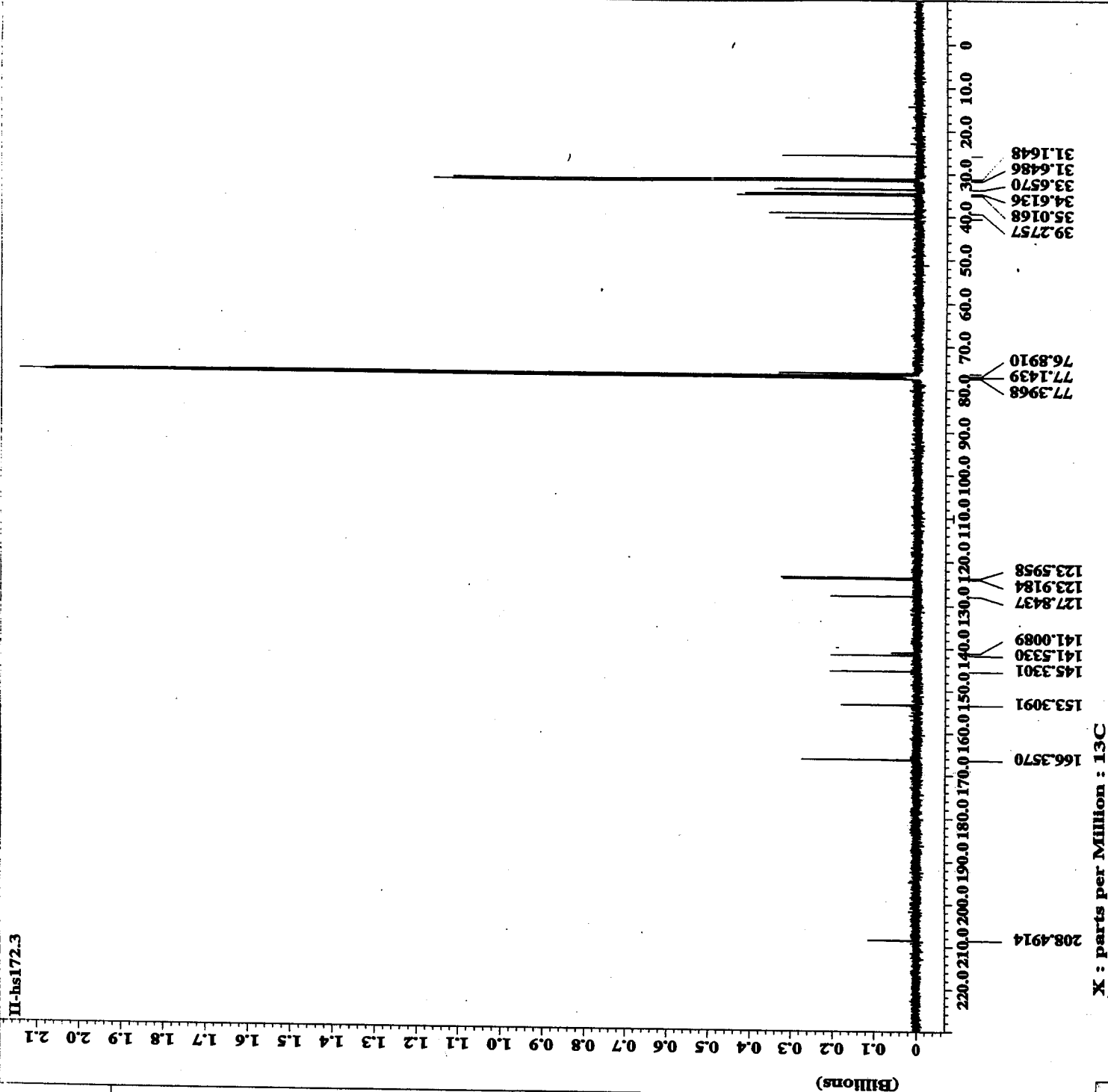
JEOL

----- ACQUISITION PARAMETERS -----

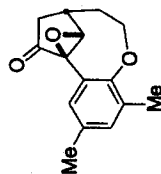
File Name - II-hs172.3
 Author -
 Sample ID - 1
 Content - Single Pulse with Broa
 Creation Date - 31-JAN-2001 18:20:53
 Revision Date - 7-FEB-2001 09:09:05
 Spec Site - Eclipse+ 500
 Spec Type - DELTA_NMR
 Data Format - ID COMPLEX
 Dimensions - X
 Dim Title - 13C
 Dim Size - 65536
 Dim Units - [ppm]
 Scans - 910
 X domain - 13C
 X offset - 110 [ppm]
 X freq - 125.77913339 [MHz]
 X sweep - 30.21148036 [kHz]
 Field strength - 11.7473579 [T]
 Filter mode - BUTTERWORTH
 Filter width - 15.09183572 [kHz]
 Recvr gain - 30
 Solvent - CHLOROFORM-D
 Spin get - 17 [Hz]
 Temp get - 22.4 [degC]



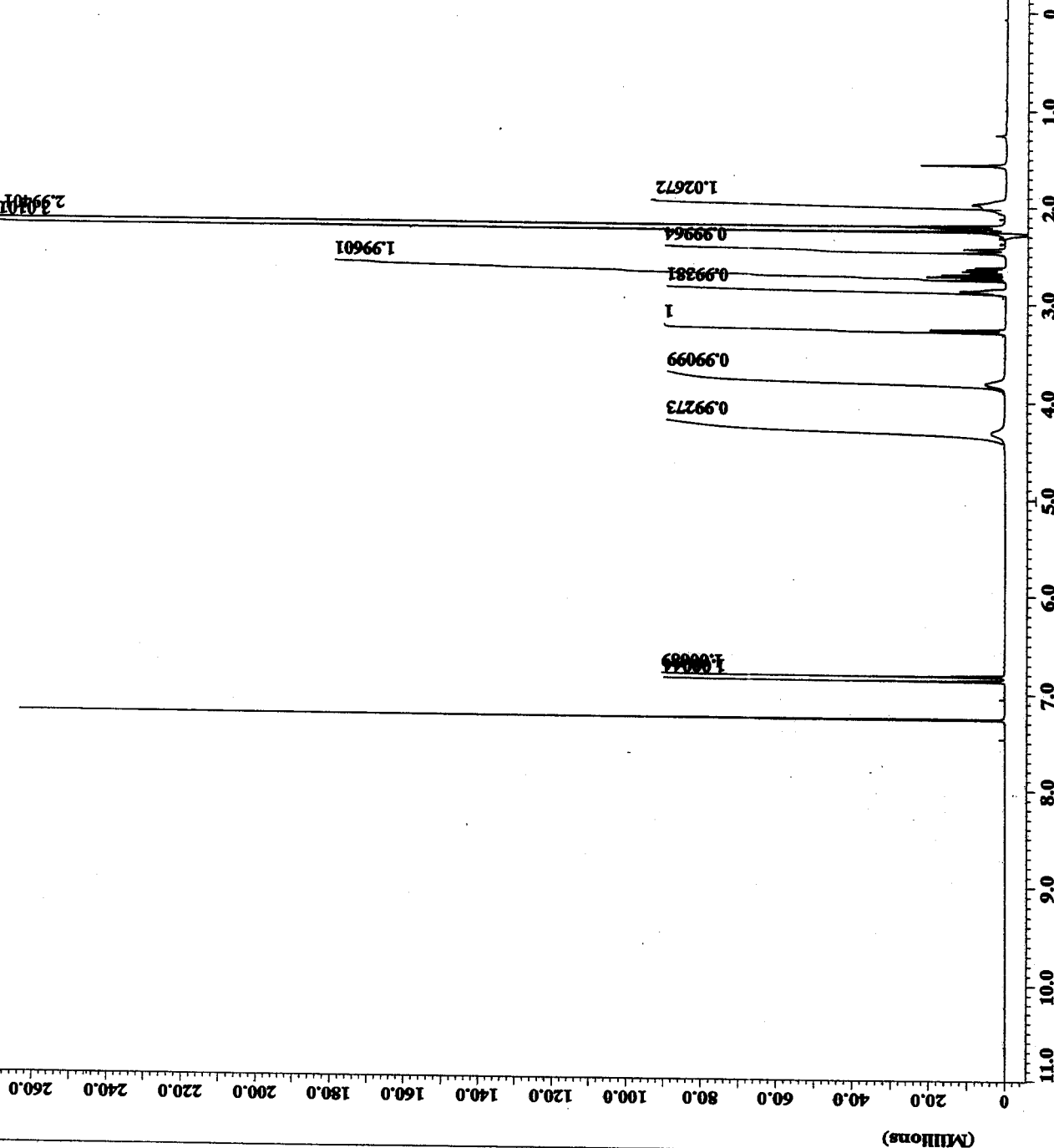
17a



----- ACQUISITION PARAMETERS -----
 File Name = II-hs172re.3
 Author =
 Sample ID = 1
 Content = Single Pulse Experiment
 Creation Date = 13-MAR-2001 13:17:54
 Revision Date = 19-MAR-2001 12:01:12
 Spec Site = Eclipse+ 500
 Spec Type = DELTA_NMR
 Data Format = 1D COMPLEX
 Dimensions = X
 Dim Title = 1H
 Dim Size = 32768
 Dim Units = [ppm]
 Scans = 32
 X_domain = 1H
 X_offset = 5 [ppm]
 X_freq = 500.16241602 [MHz]
 X_sweep = 6.00240096 [kHz]
 Field_strength = 11.7473579 [T]
 Filter_mode = BUTTERWORTH
 Filter_width = 3.00095949 [kHz]
 Recvr_gain = 24
 Solvent = CHLOROFORM-D
 Spin_set = 14 [Hz]
 Temp_set = 23 [degC]



II-hs172re.3



X : parts per Million : 1H

01 016308 s

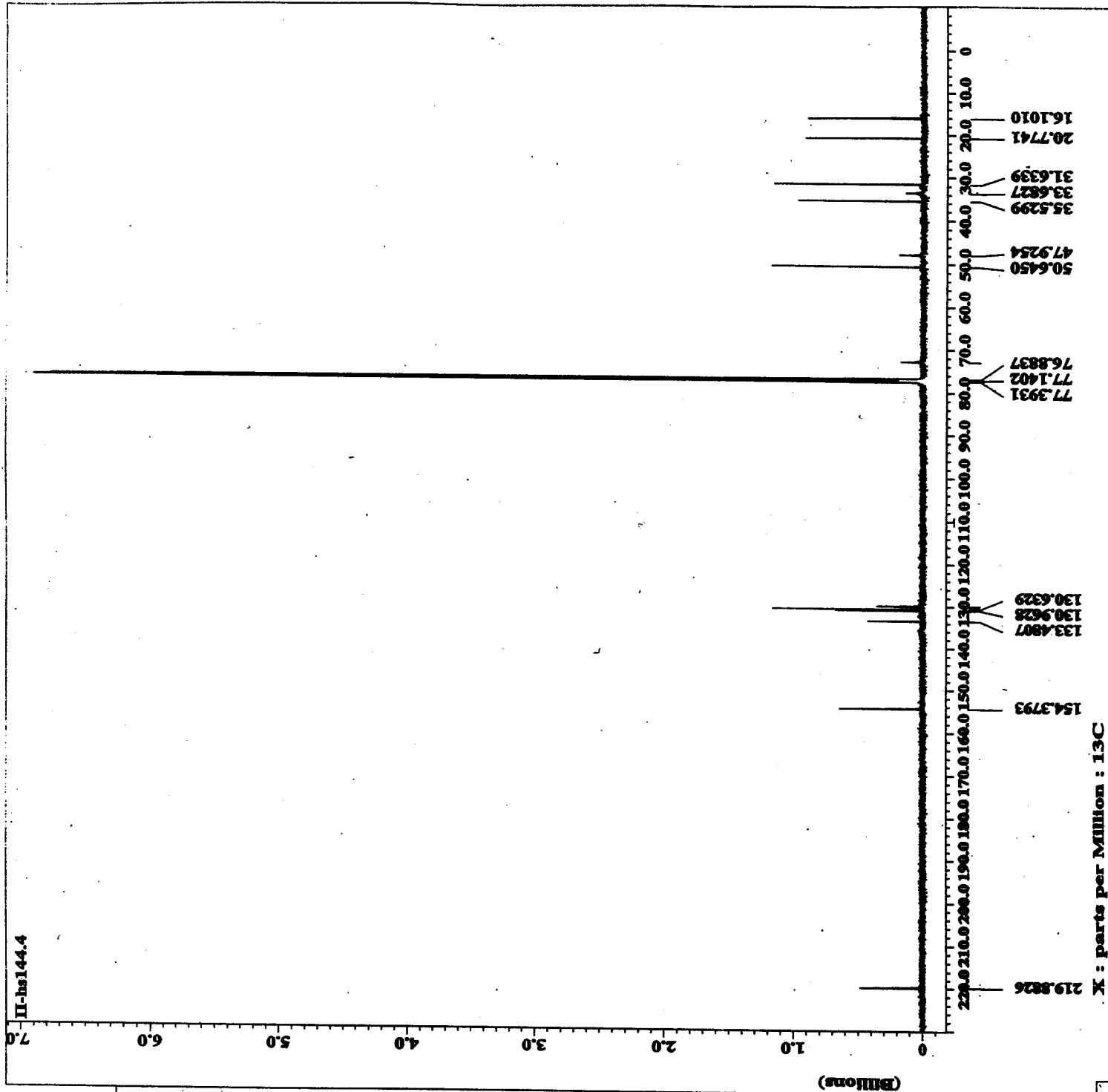
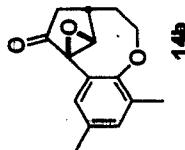
JEOL

```

----- ACQUISITION PARAMETERS -----
File Name      = II-hs144.4
Author         =
Sample ID      = 1
Content        = Single Pulse with Area
Creation Date   = 24-OCT-2000 04:55:23
Revision Date  = 18-JAN-2001 10:15:19

Spec Site      = Eclipse+ 500
Spec Type      = DELTA_HMR

Data Format     = ID COMPLEX
Dimensions     = X
Dir Title      = 13C
Dir File       = 69536
Dir Units      = [ppm]
Scales         = 4000
X_domain       = 13C
X_offset       = 110 [ppm]
X_freq         = 125.7721339 [MHz]
X_group        = 30.21146036 [kHz]
Field_strength = 11.7473579 [T]
Filter_poles   = 20
Filter_width   = 15.09183572 [kHz]
Sweep_gain     = 30
Sweep_start    = 0 [ppm]
Sweep_end      = 14 [ppm]
Sweep_rate     = 24.6 [ppm/s]
  
```

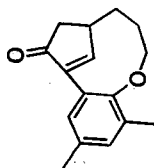


01 0163085

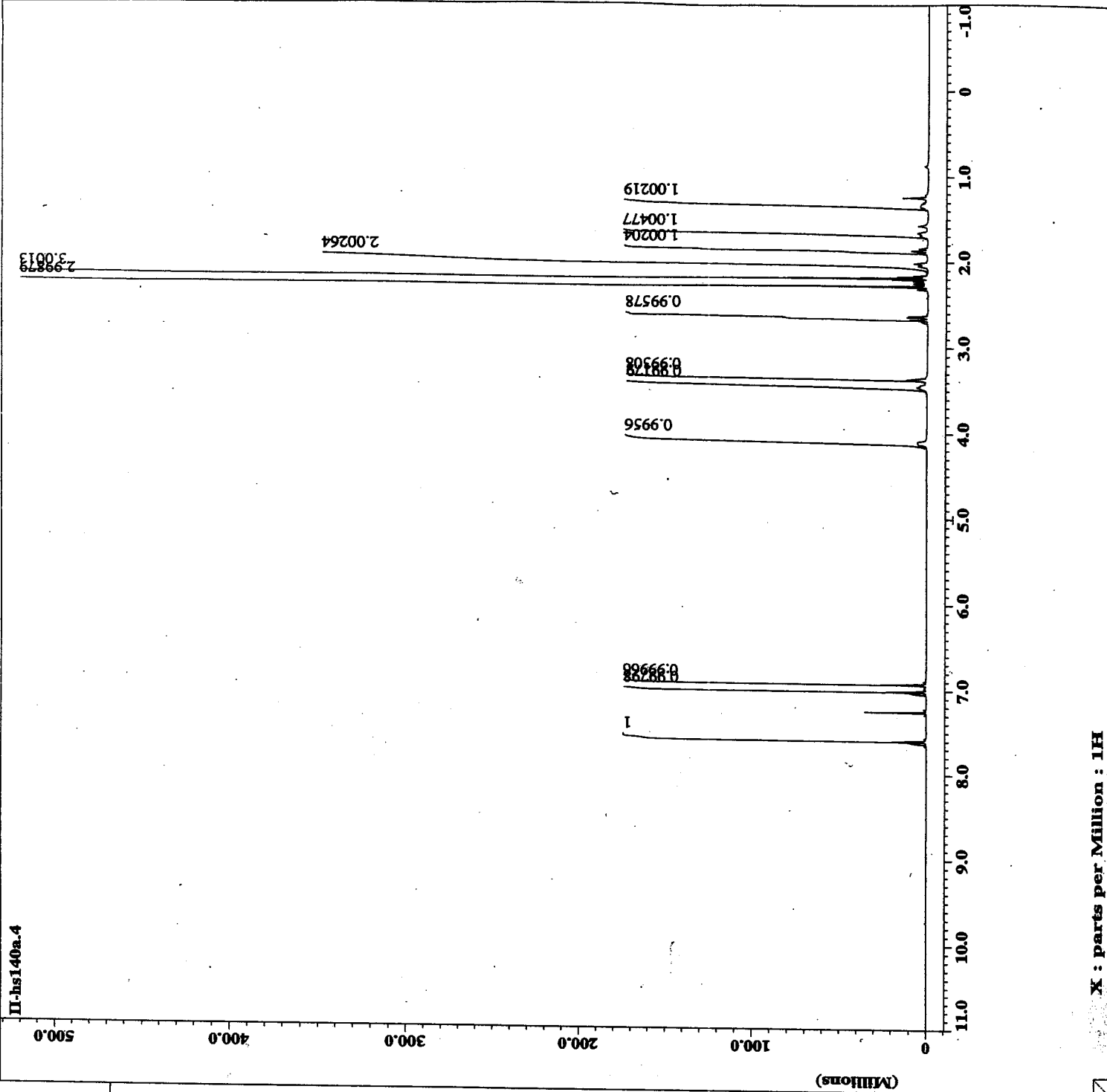


----- ACQUISITION PARAMETERS -----

File Name = II-hs140a.5
 Author =
 Sample ID = 1
 Content = Single Pulse Experiment
 Creation Date = 12-DEC-2000 19:41:20
 Revision Date = 13-DEC-2000 12:59:29
 Spec Site = Eclipse+ 500
 Spec Type = DELTA_NMR
 Data Format = 1D COMPLEX
 Dimensions = X
 Dim Title = 1H
 Dim Size = 32768
 Dim Units = [ppm]
 Scans = 32
 X_domain = 1H
 X_offset = 5 [ppm]
 X_freq = 500.16241602 [MHz]
 X_sweep = 6.00240096 [kHz]
 Field_strength = 11.7473579 [T]
 Filter_mode = BUTTERWORTH
 Filter_width = 3.00095949 [kHz]
 Recvr_gain = 23
 Solvent = CHLOROFORM-D
 Spin_get = 15 [Hz]
 Temp_get = 22.6 [degC]



17b



X : parts per Million : 1H

01 6163085

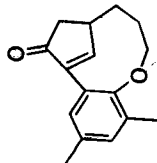
JEOL

```

----- ACQUISITION PARAMETERS -----
File Name      = II-hs141.4
Author         =
Sample ID      = 1
Content        = Single Pulse with Broa
Creation Date   = 9-OCT-2000 00:14:51
Revision Date  = 24-JAN-2001 21:10:04

Spec Site      = Eclipse 500
Spec Type      = DELTA_RMR

Data Format     = 1D COMPLEX
Dimensions     = X
Dim Title      = 13C
Dim Size       = 65536
Dim Units      = [ppm]
Scans          = 2000
X_Domain       = 13C
X_Offset       = 110 [ppm]
X_Freq         = 125.77913339 [MHz]
X_Sweep        = 37.73584906 [kHz]
Field_Strength = 11.7473579 [T]
Filter_Mode     = BURRUPWIDE
Filter_Width    = 18.86479465 [kHz]
Recvr_Gain     = 30
Solvent        = CHLOROFORM-D
Spin_Prot      = 15 [Hz]
Spin_Qt        = 24 [Hz]
  
```



17b

II-hs141.4

5.0

4.0

3.0

2.0

1.0

(Billions)

240.0 220.0 200.0 180.0 160.0 140.0 120.0 100.0 80.0 60.0 40.0 20.0 0 -20.0

208.5109

166.8697

152.9161

133.2629

131.5233

130.6672

126.8263

77.3614

77.1050

76.8533

40.0098

38.9248

32.9827

24.3623

20.9106

16.2914

X : parts per Million : 13C