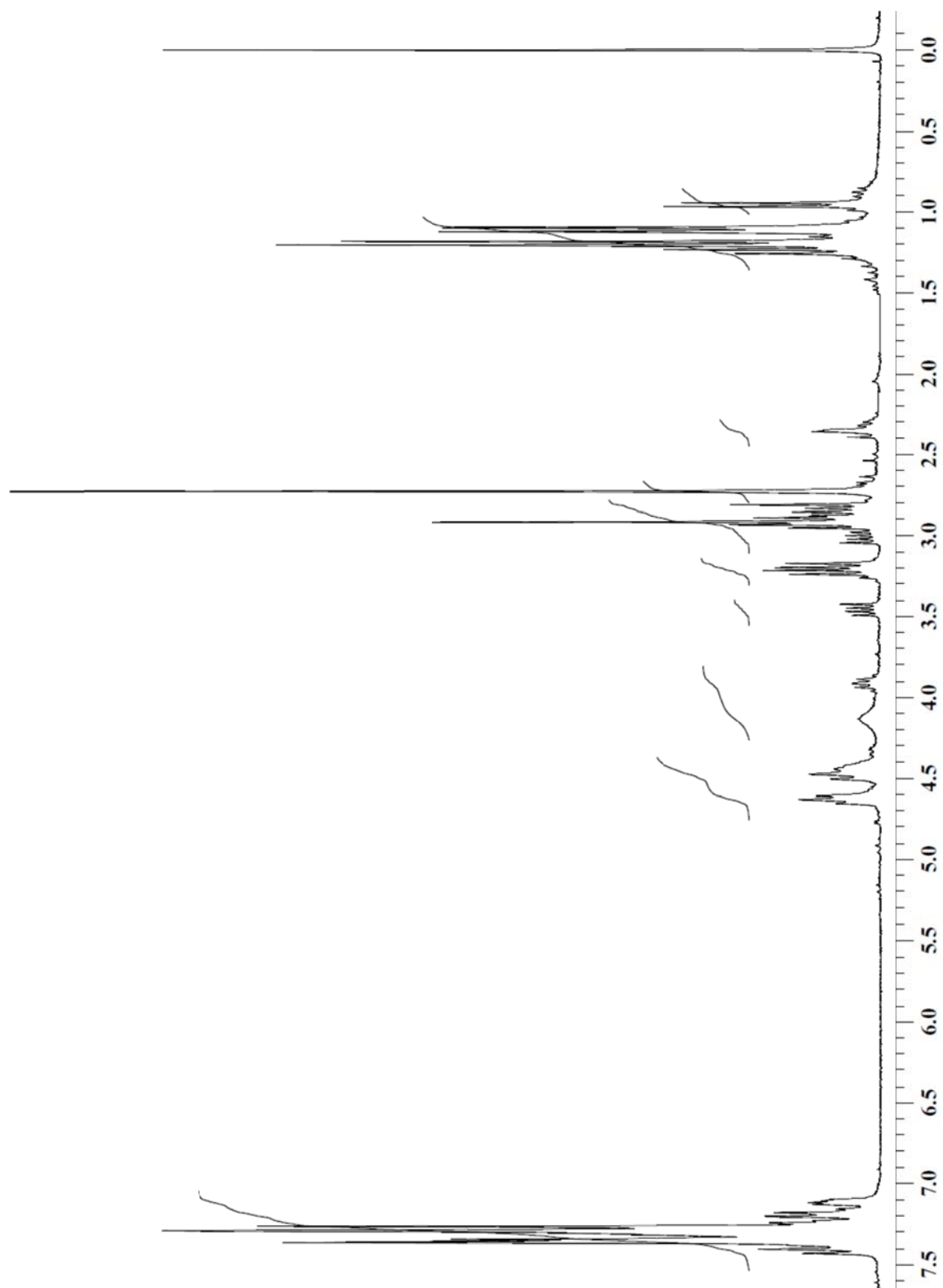
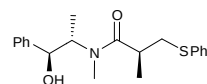
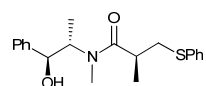
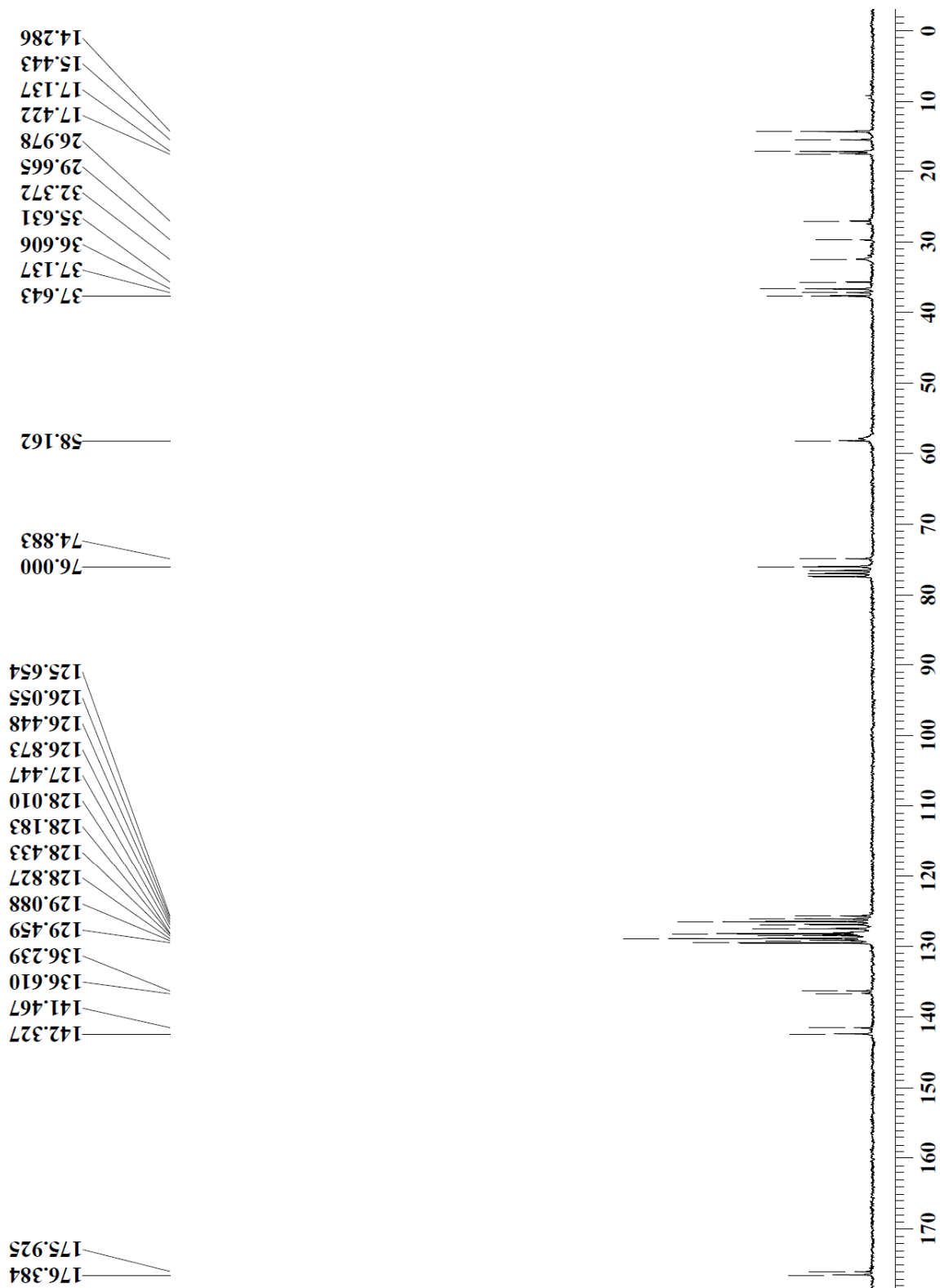


**<sup>1</sup>H NMR SPECTRUM OF COMPOUND 10**

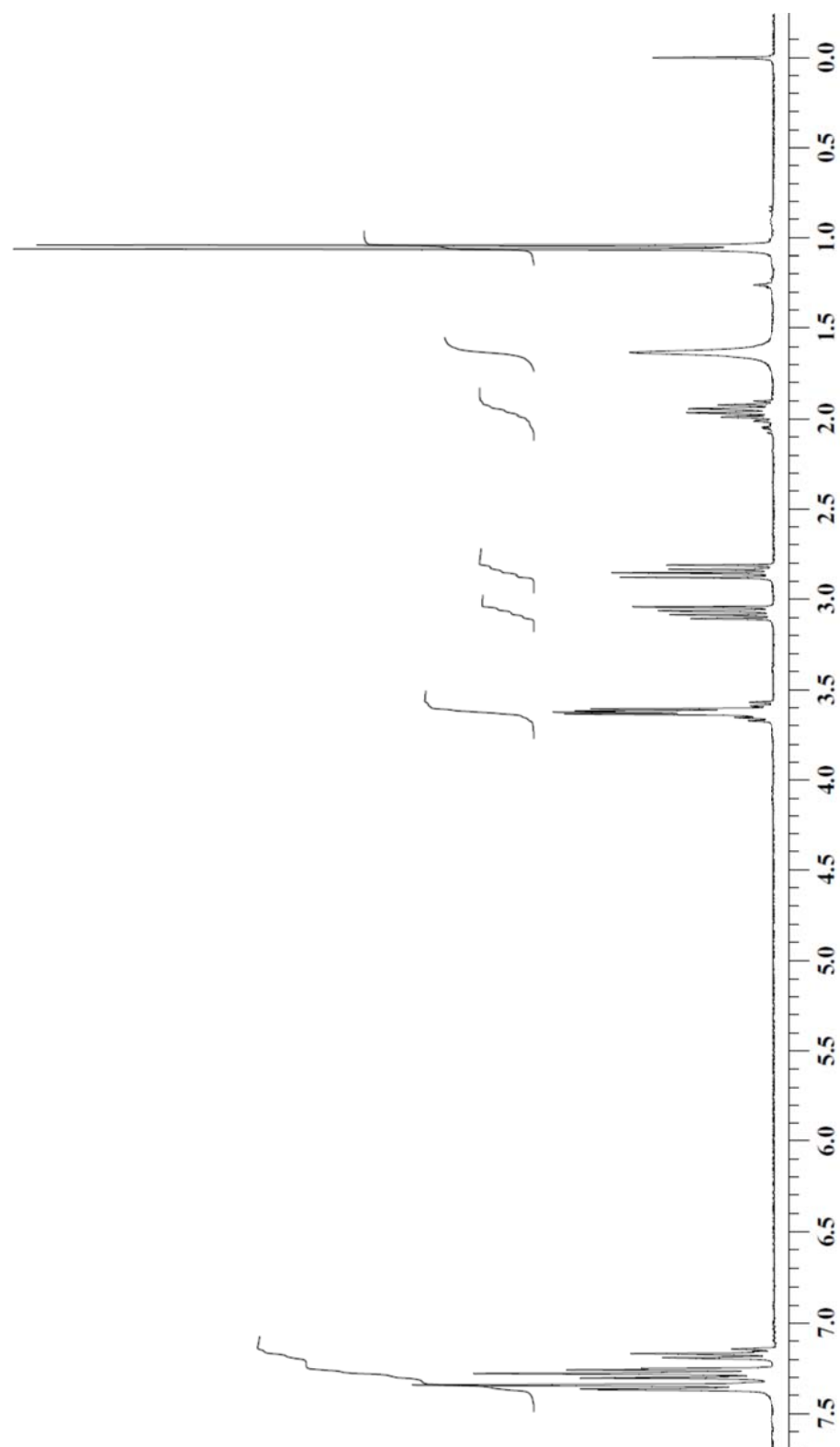
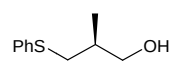




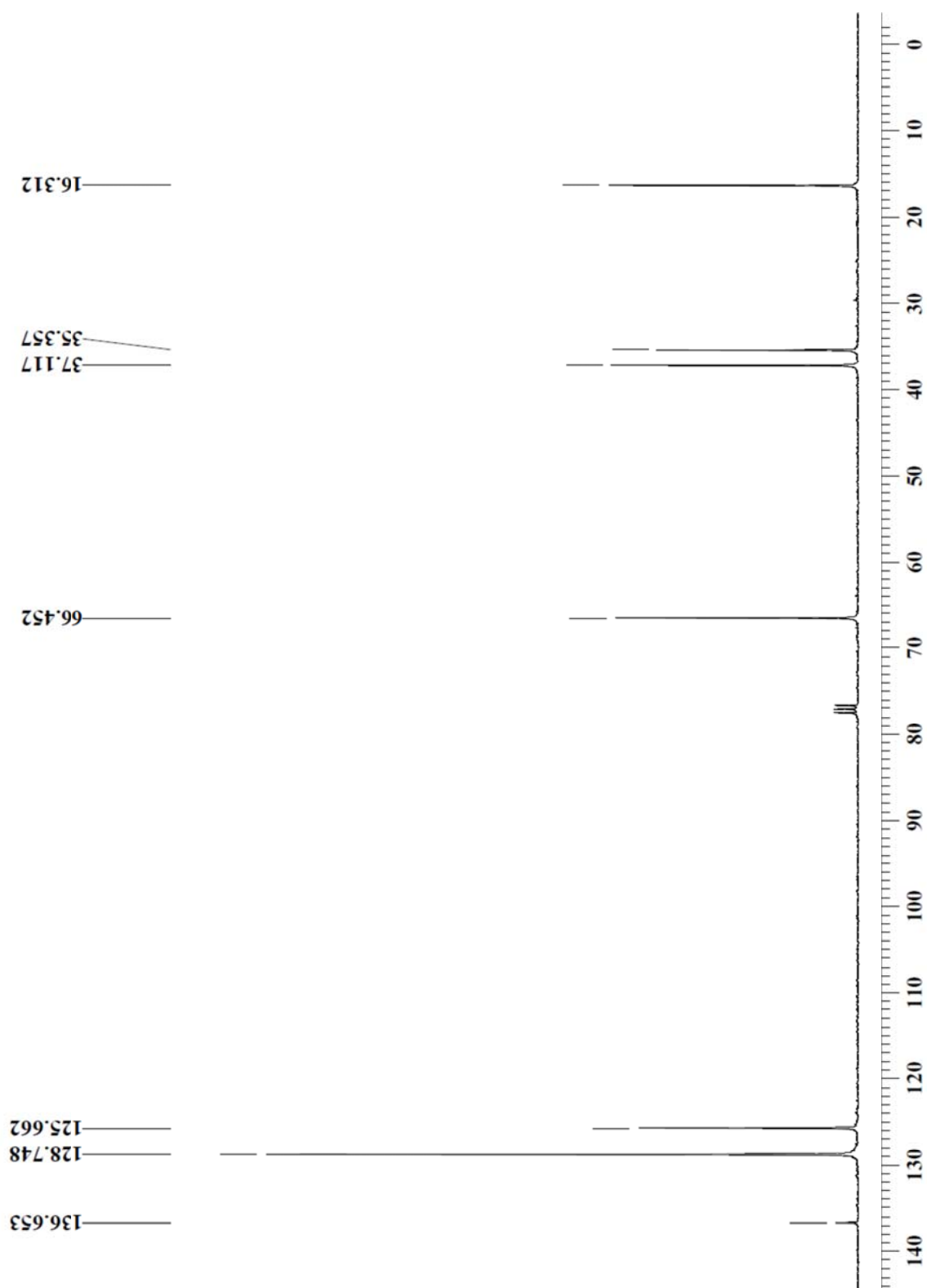
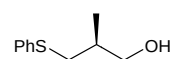
<sup>13</sup>C NMR SPECTRUM OF COMPOUND 10



**$^1\text{H}$  NMR SPECTRUM OF COMPOUND 7**



<sup>13</sup>C NMR SPECTRUM OF COMPOUND 7



# HPLC OF THE RACEMIC COMPOUND 7

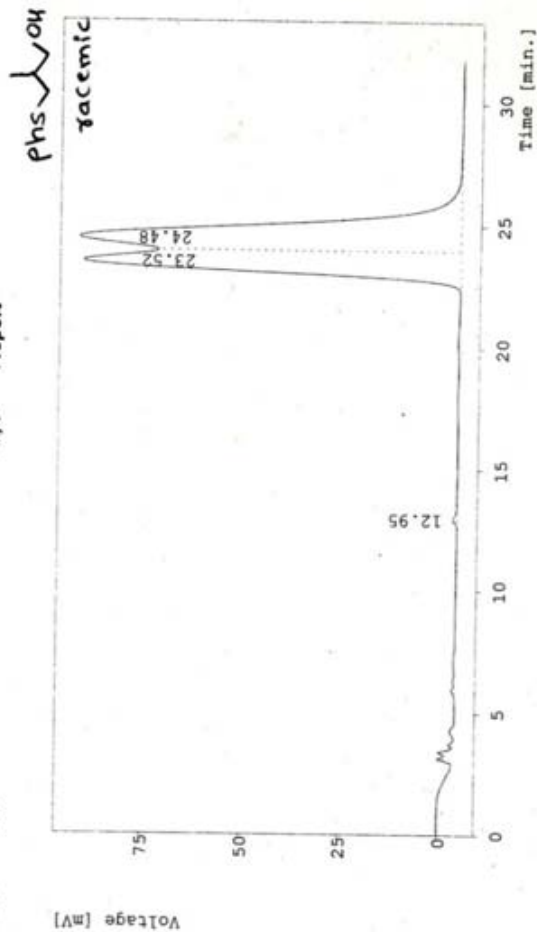
Page 1

Thu, 16th Aug, 2007 15:58:50

RAJ2

Sample ID : ilct  
ISTD Amount: 0  
Raw Data : Not Saved  
Primary : raj2  
Project : ilct

Analyst : Madhuri  
Inj. Volume : 50  
From : Thu, 16th Aug, 2007 14:47:14  
Calibration : (none)  
Style : report



Result Table - Calculation Method Uncal

| Peak No. | Reten. time | Area [mV.s] | Height [mV] | W05 [min.] | Area [%] | Height [%] |
|----------|-------------|-------------|-------------|------------|----------|------------|
| 1        | 12.947      | 22.3939     | 1.046       | 0.307      | 0.198    | 0.544      |
| 2        | 23.520      | 4867.7454   | 95.116      | 0.893      | 43.113   | 49.453     |
| 3        | 24.480      | 6400.6164   | 96.173      | 1.080      | 56.689   | 50.003     |
| -        | Total       | 11290.7557  | 192.335     |            |          |            |

column: Eurocel chiral column

mobile phase: 2:1 IPA in Hexane

flow rate: 1.0 ml/min

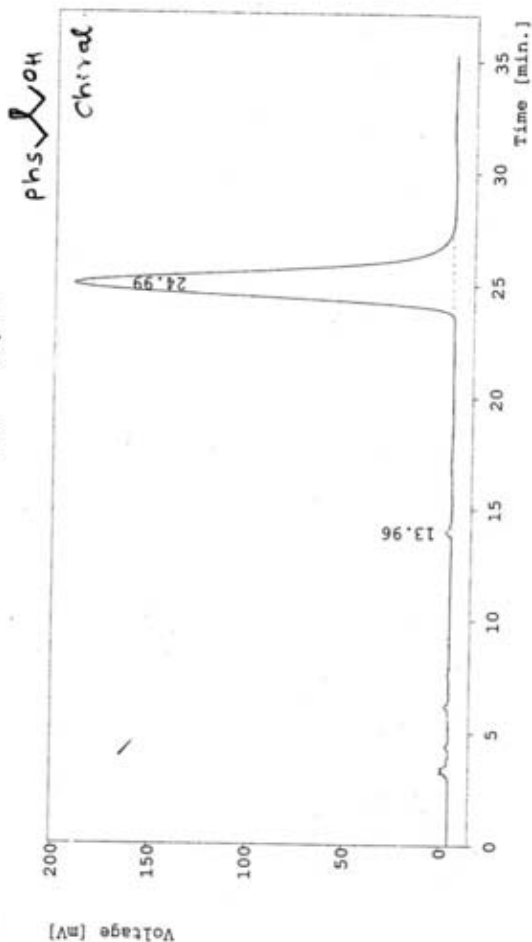
# HPLC OF THE Optically pure 7

Thu, 16th Aug, 2007 15:58:01

Sample ID : ilct  
ISTD Amount: 0  
Raw Data : Not Saved  
Primary : rajc  
Project : ilct

RAJC

Analyst : Madhuri  
Inj. Volume: 50  
From : Thu, 16th Aug, 2007 15:21:30  
Calibration : (none)  
Style : report



Result Table - Calculation Method Uncal

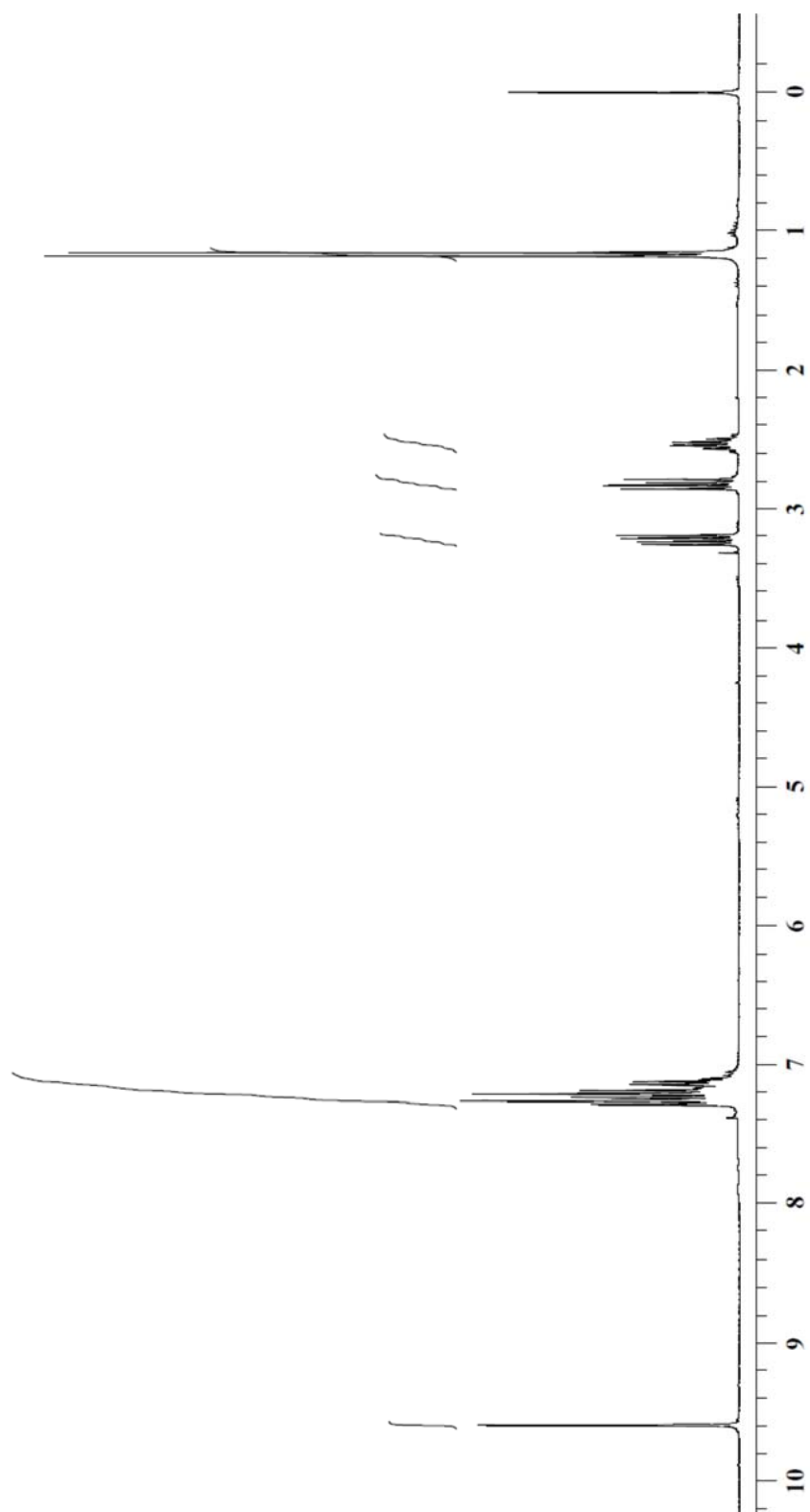
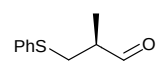
| Peak No. | Reten. time | Area [mV.s] | Height [mV] | W05 [min.] | Area [%] | Height [%] |
|----------|-------------|-------------|-------------|------------|----------|------------|
| 1        | 13.960      | 67.2668     | 2.782       | 0.347      | 0.457    | 1.407      |
| 2        | 24.987      | 14666.3971  | 195.018     | 1.173      | 99.543   | 98.593     |
| -        | Total       | 14733.6639  | 197.800     |            |          |            |

column: Eurocel chiral column

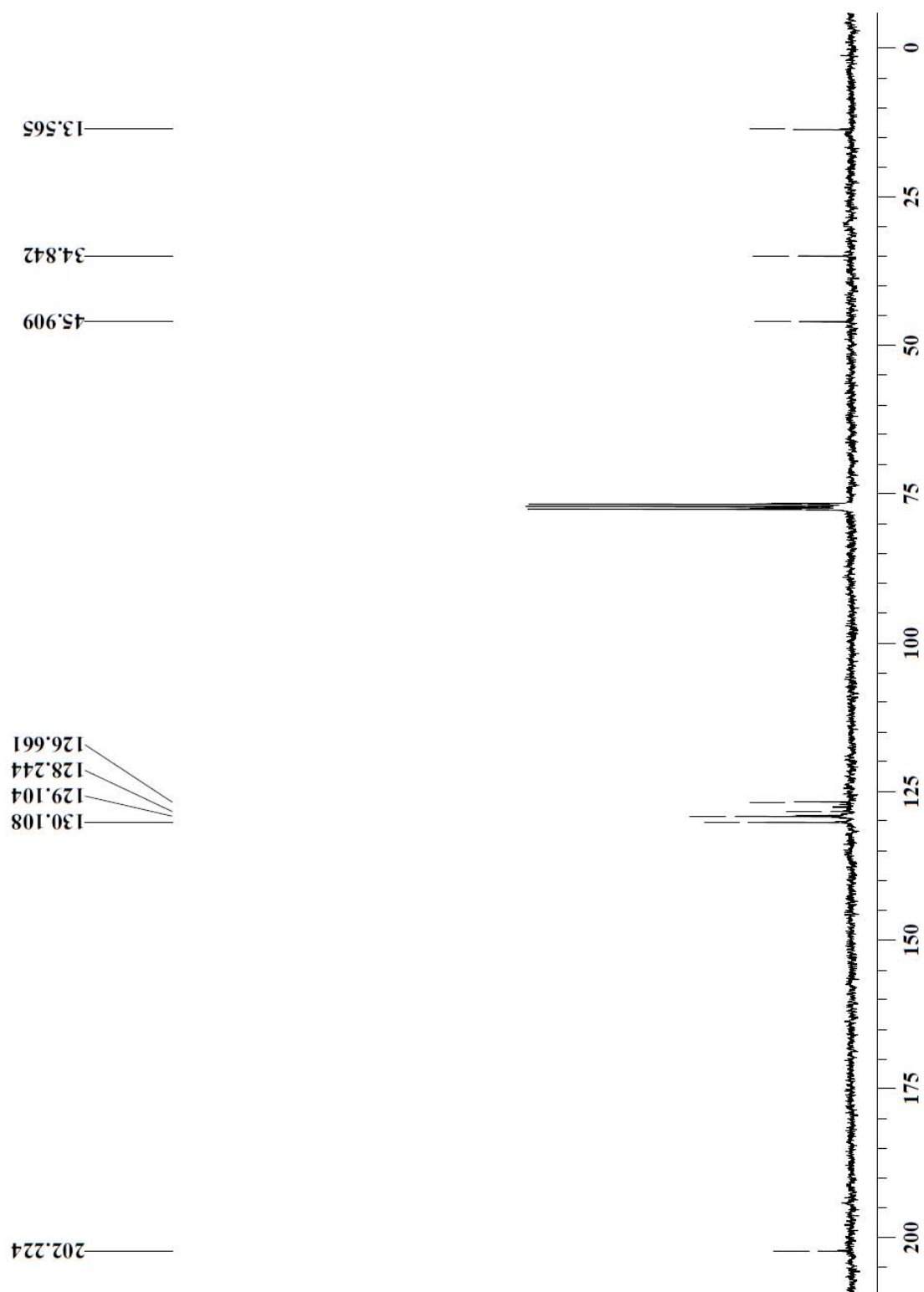
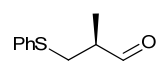
mobile phase: 2:1 IPA in hexane

flow rate: 1 ml/min

<sup>1</sup>H NMR SPECTRUM OF COMPUND 11

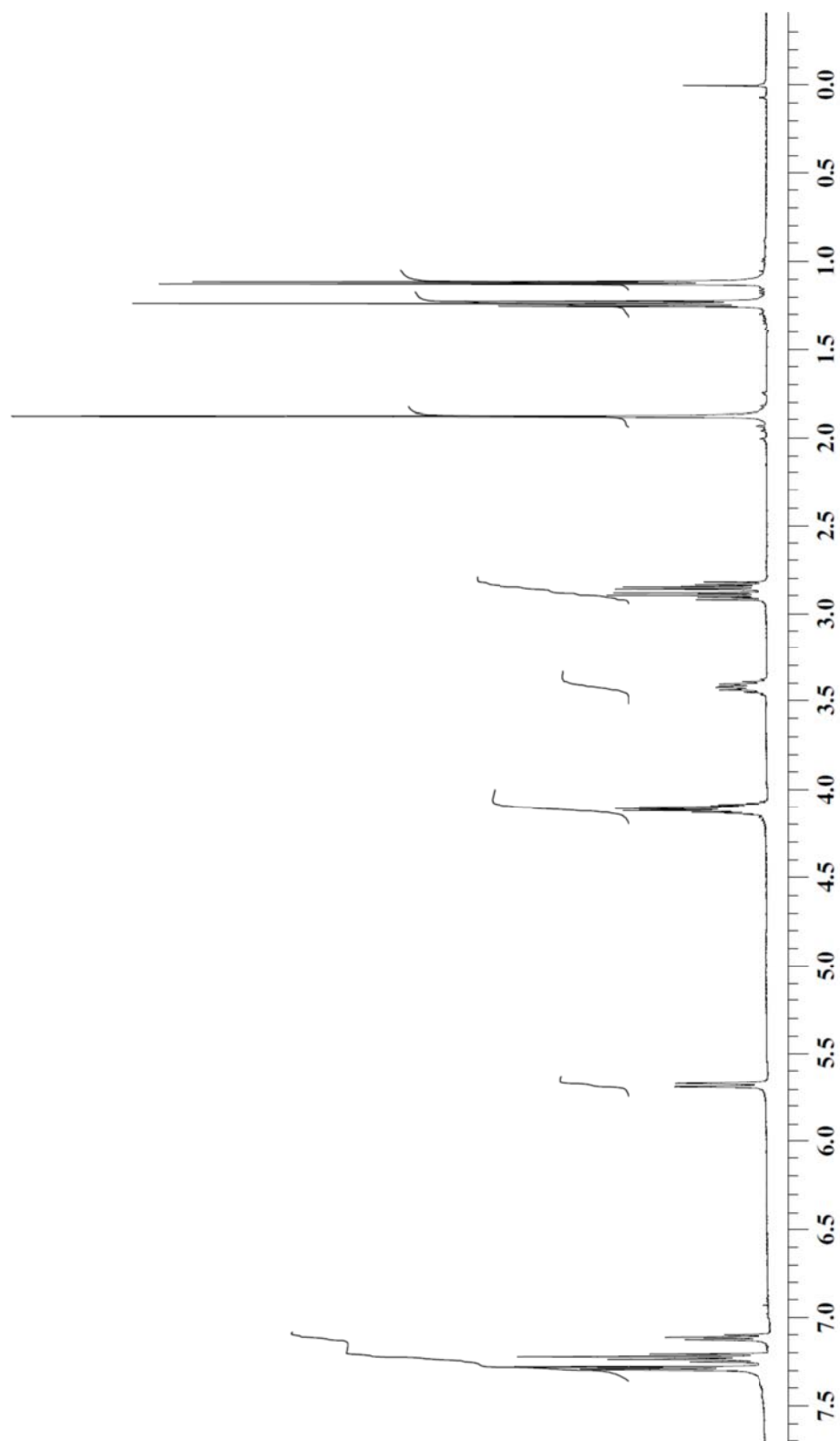
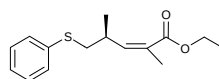


<sup>13</sup>C NMR SPECTRUM OF COMPOUND 11

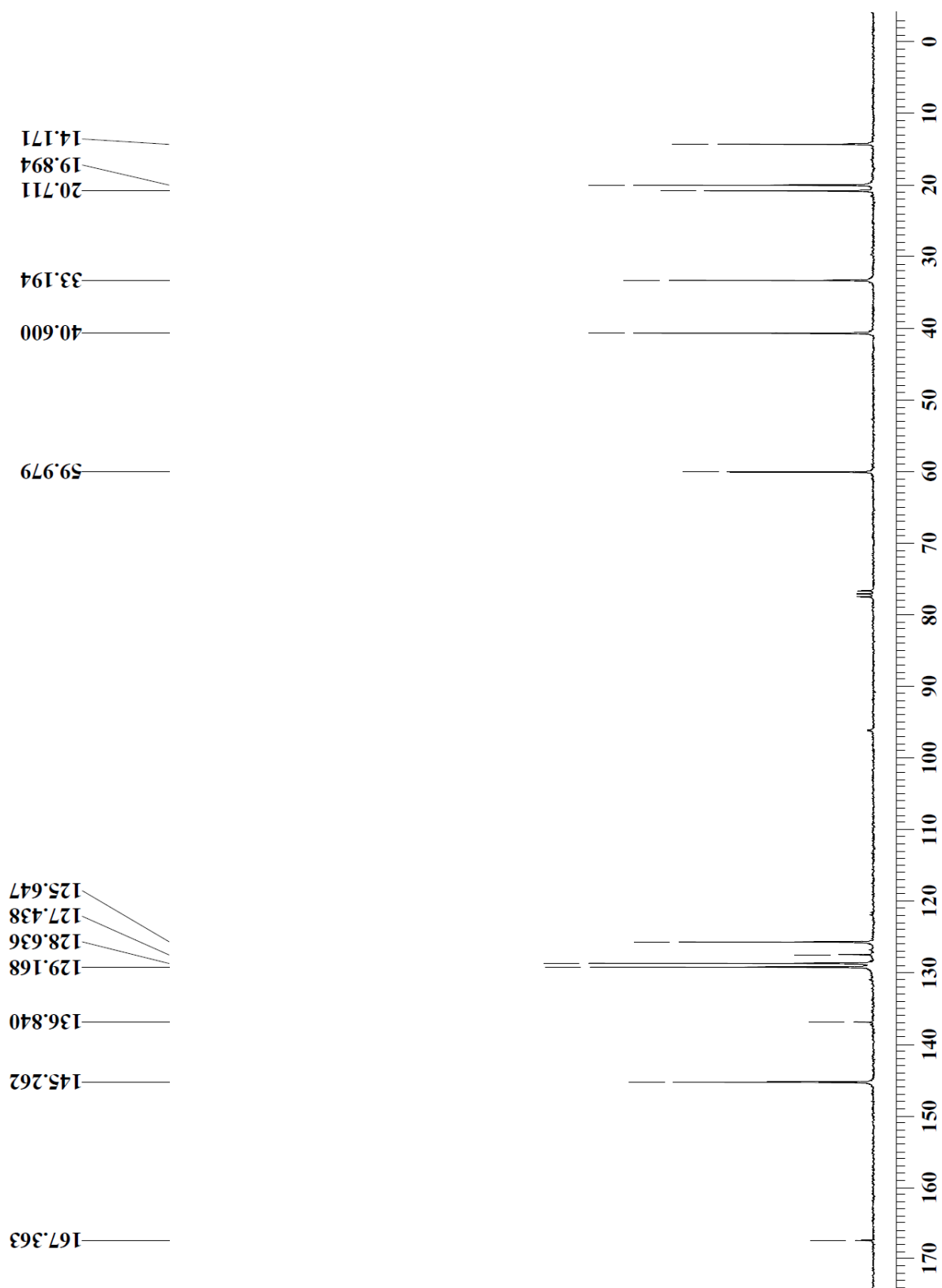
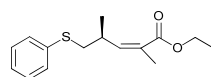




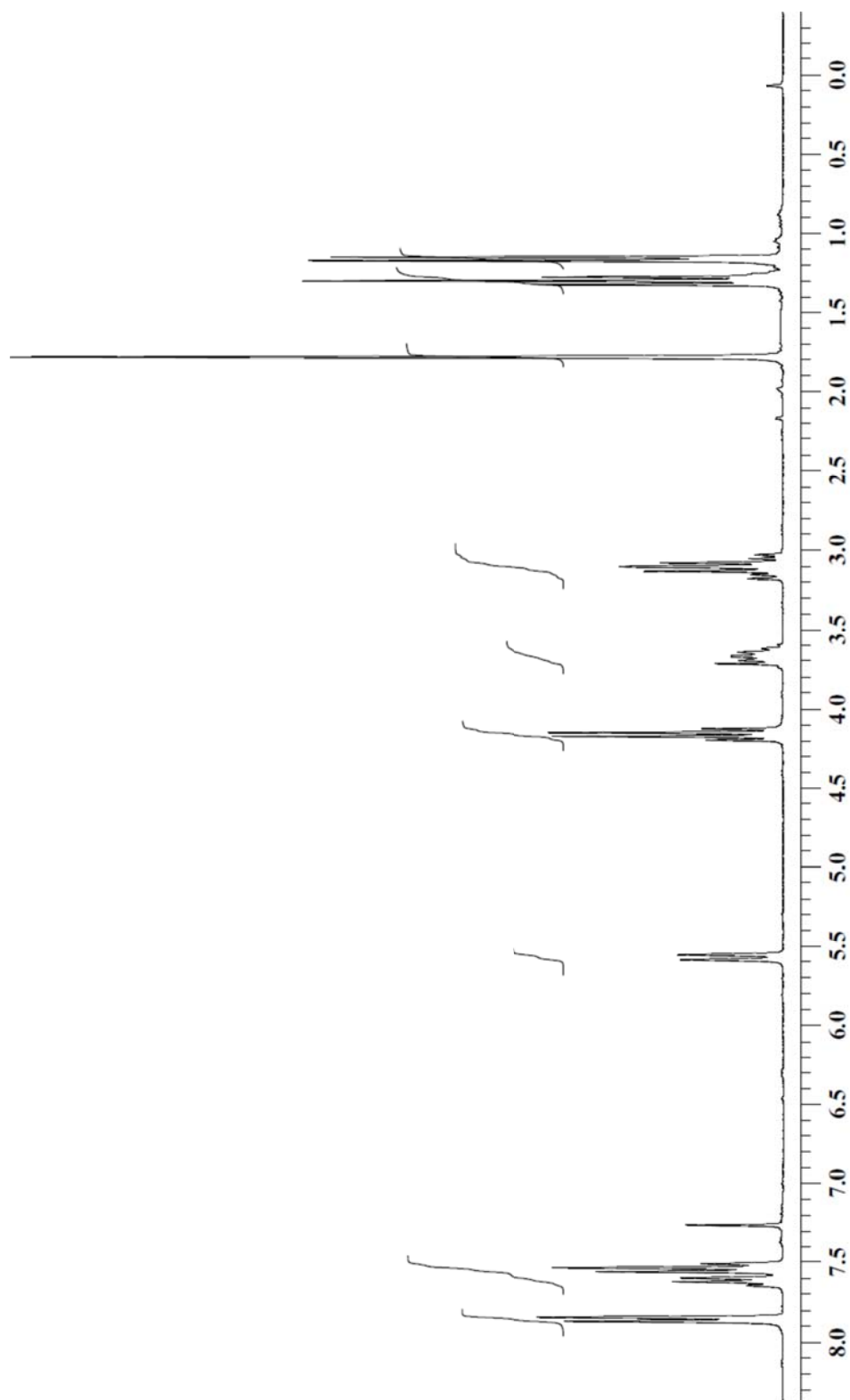
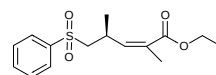
<sup>1</sup>H NMR SPECTRUM OF COMPOUND 12



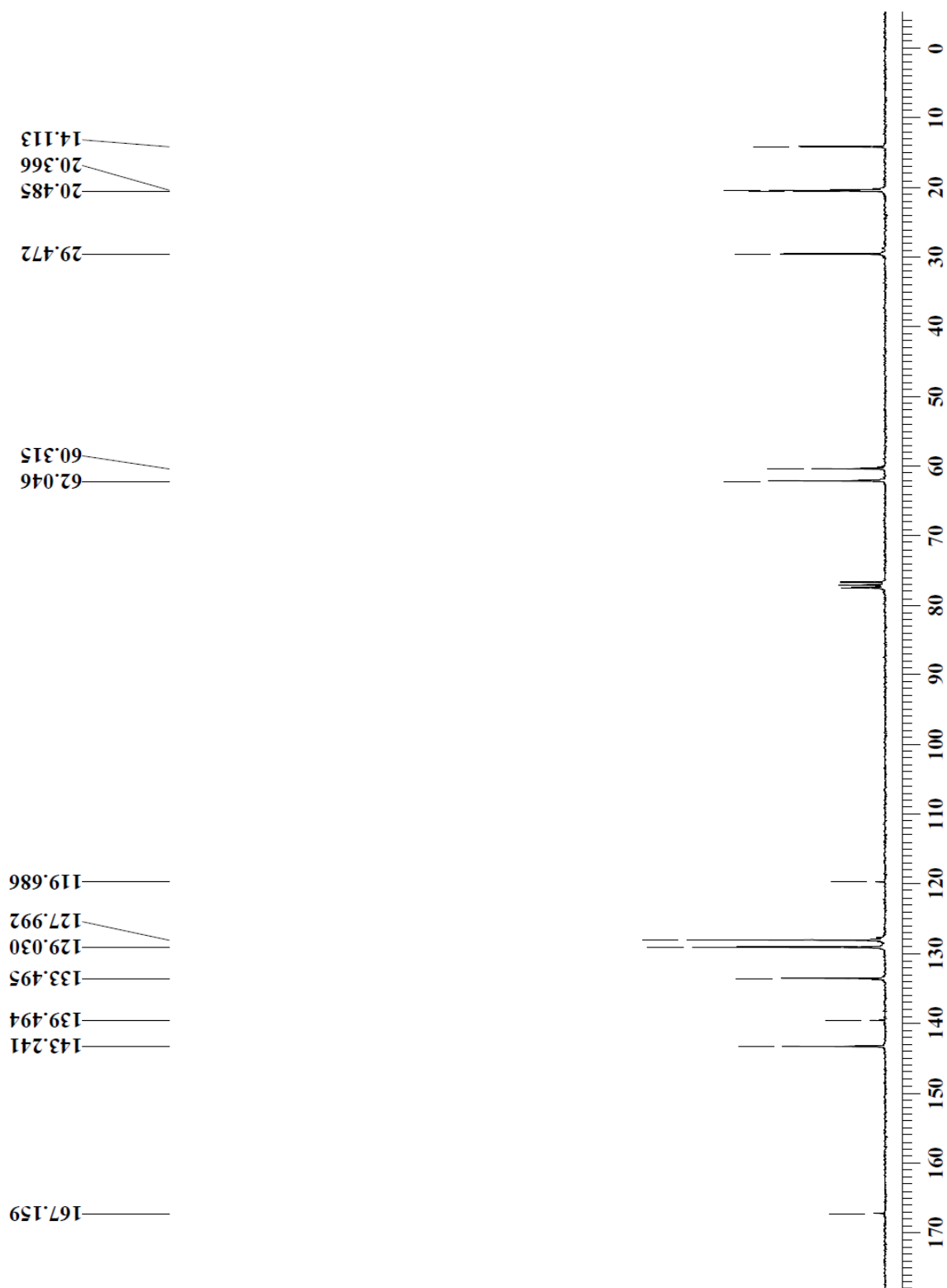
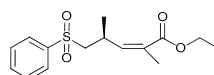
<sup>13</sup>C NMR SPECTRUM OF COMPOUND 12



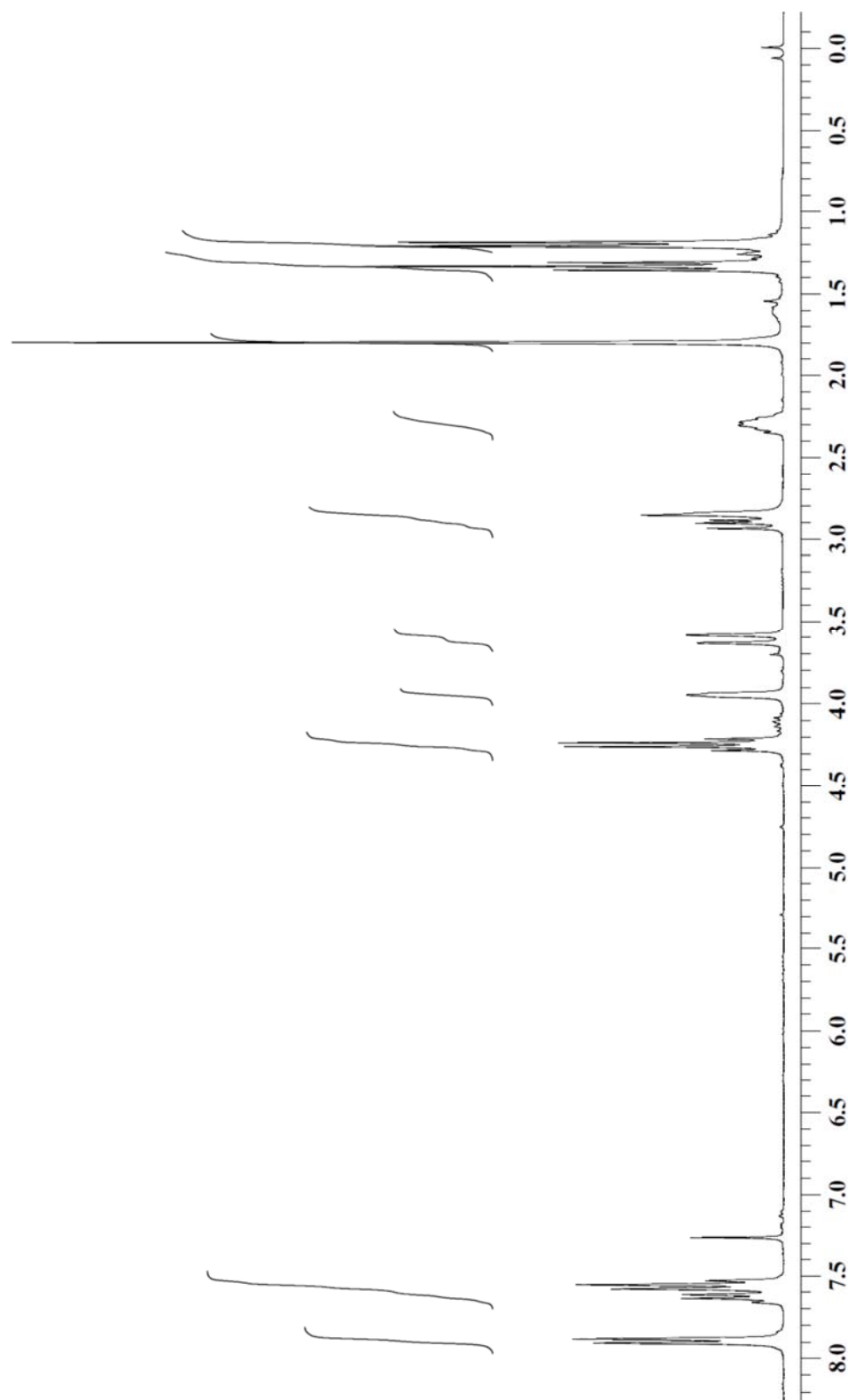
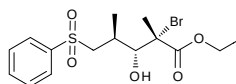
<sup>1</sup>H NMR Spectrum of sulfone corresponding to sulfoxide 6



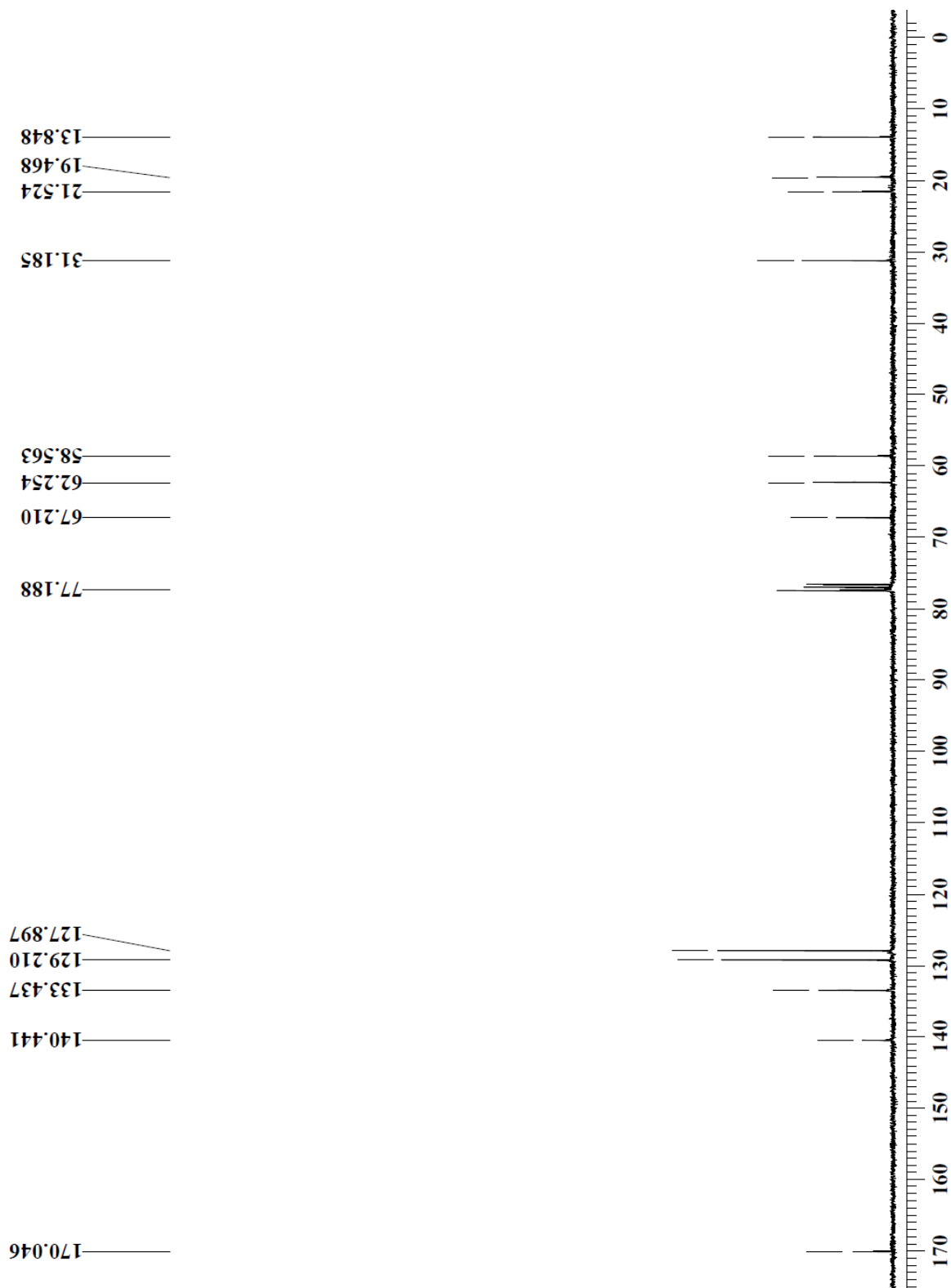
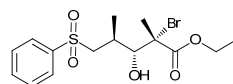
<sup>13</sup>C NMR Spectrum of sulfone corresponding to sulfoxide 6



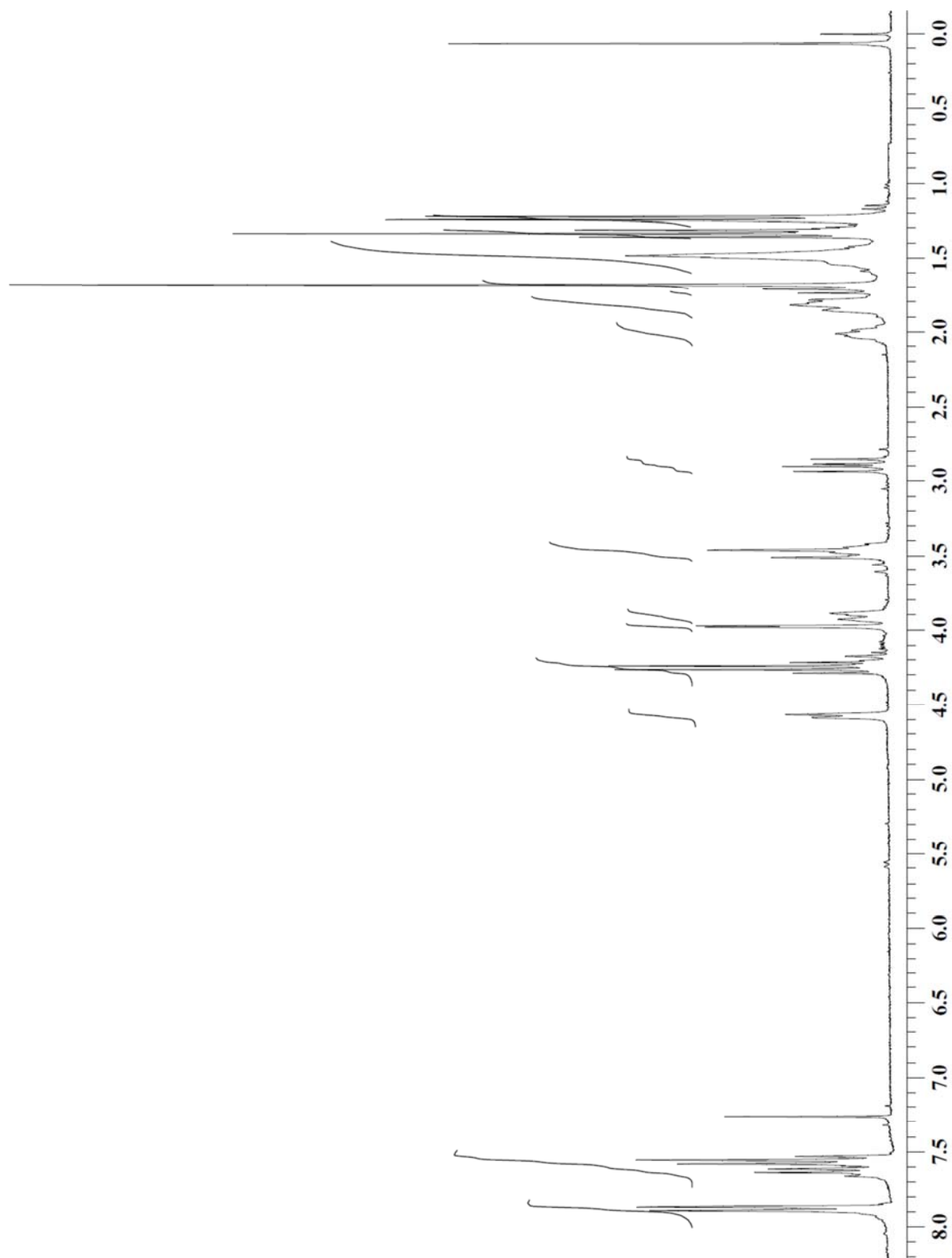
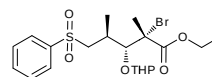
<sup>1</sup>H NMR SPECTRUM OF SULFONE 14



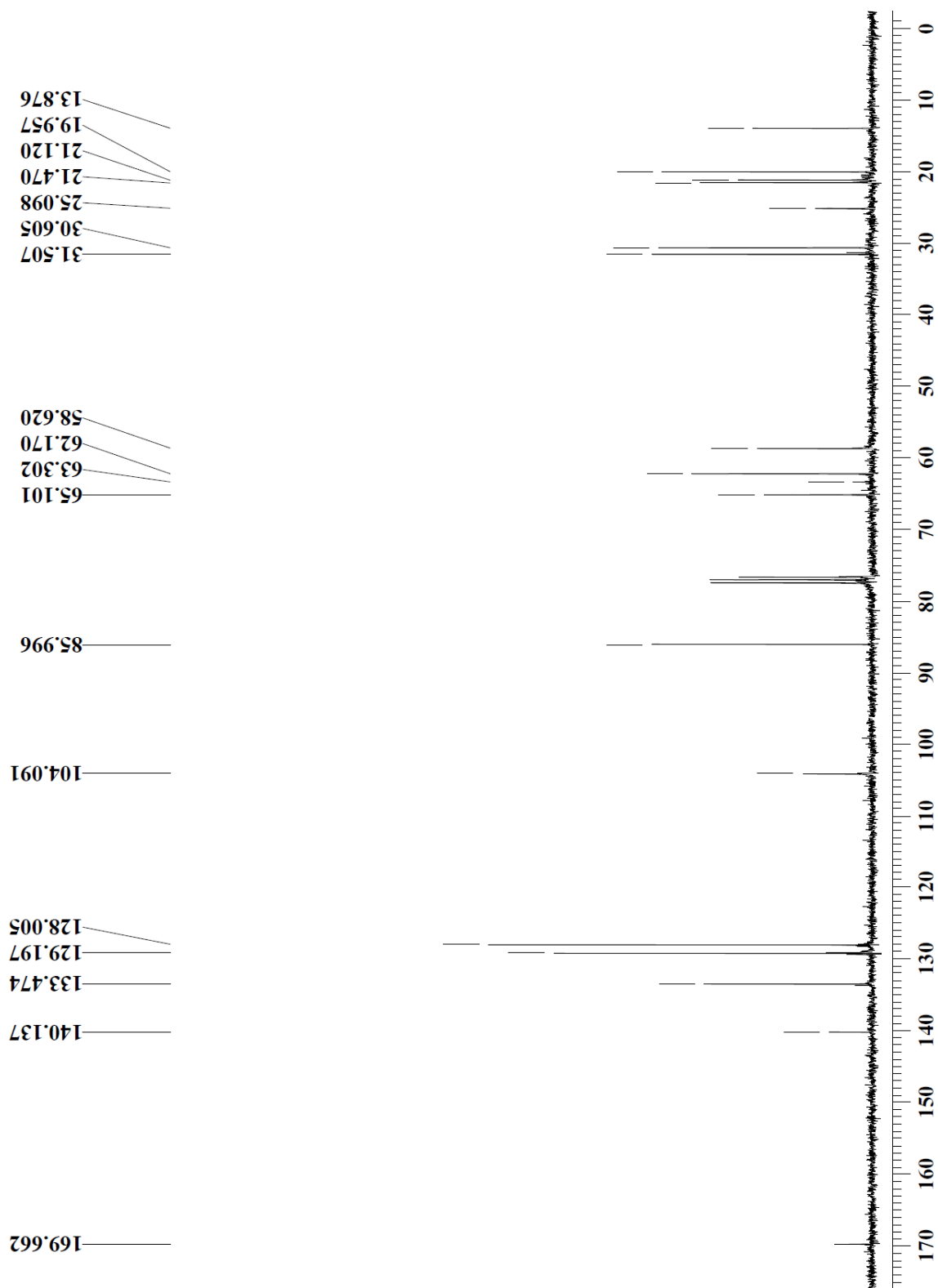
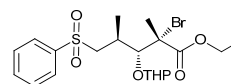
<sup>13</sup>C NMR SPECTRUM OF SULFONE 14



<sup>1</sup>H NMR Spectrum of sulfone corresponding to sulfoxide 15

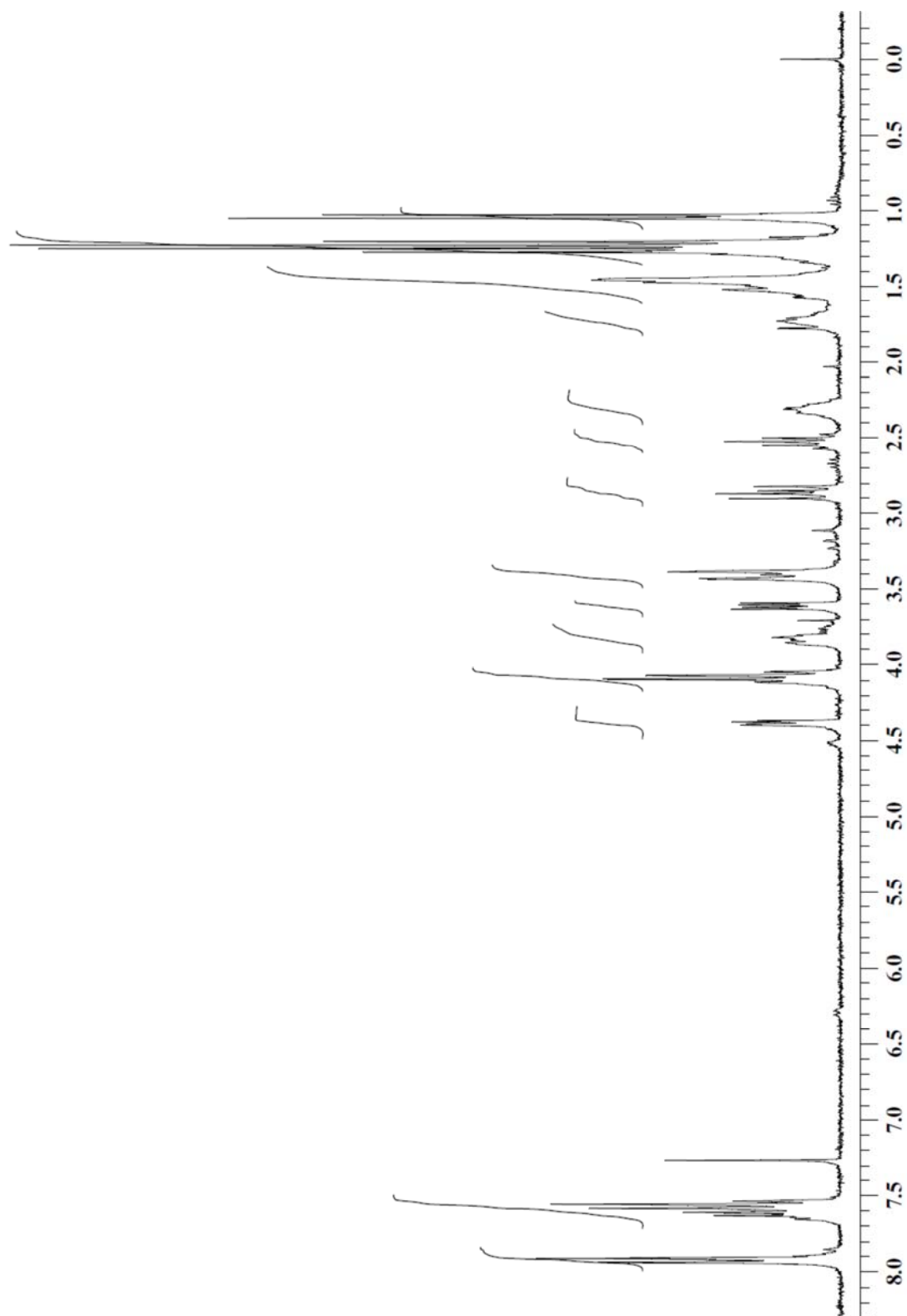
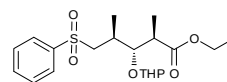


<sup>13</sup>C NMR Spectrum of sulfone corresponding to sulfoxide 15

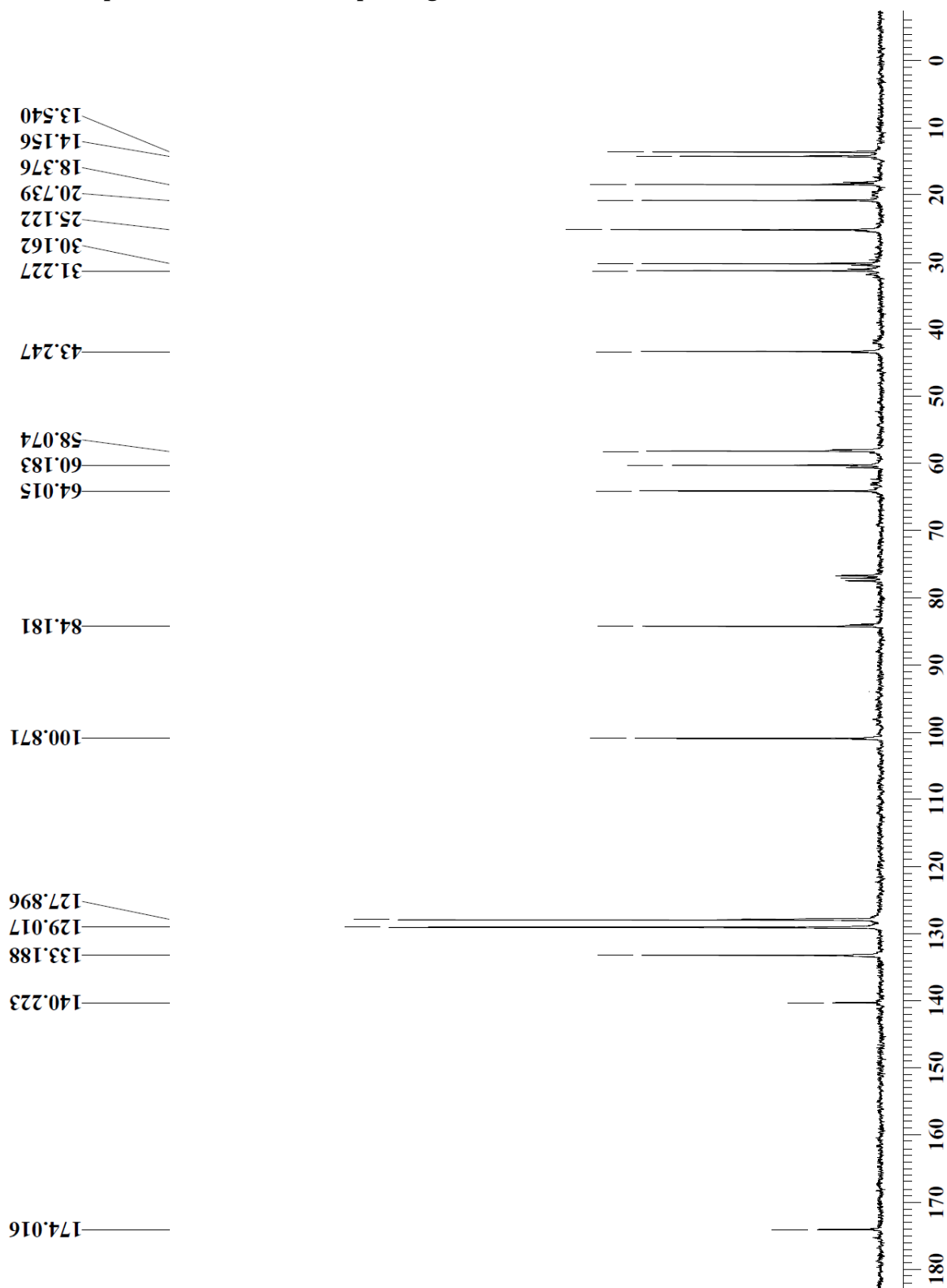
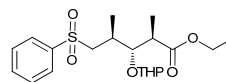




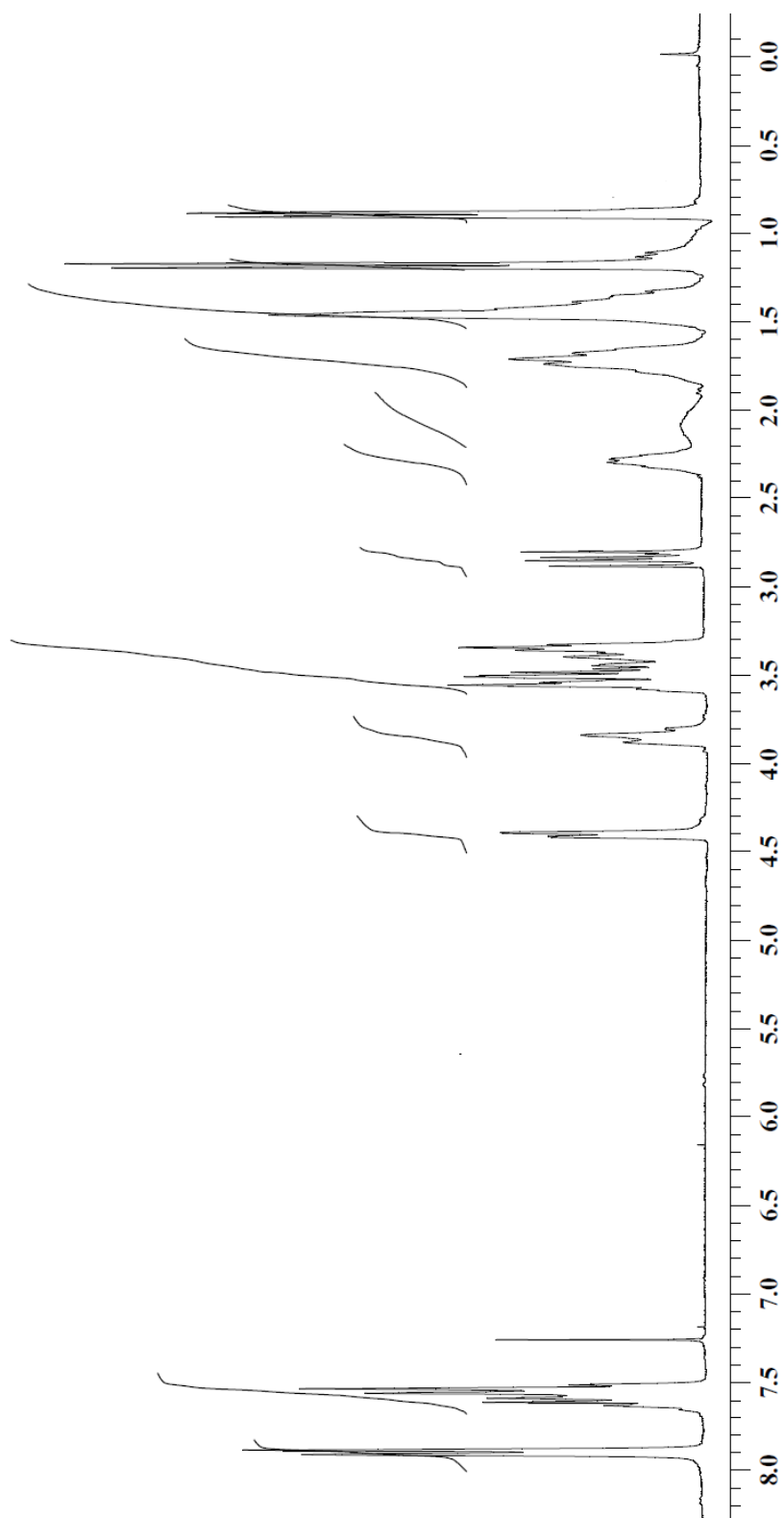
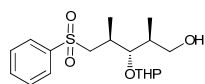
<sup>1</sup>H NMR Spectrum of sulfone corresponding to sulfoxide 16



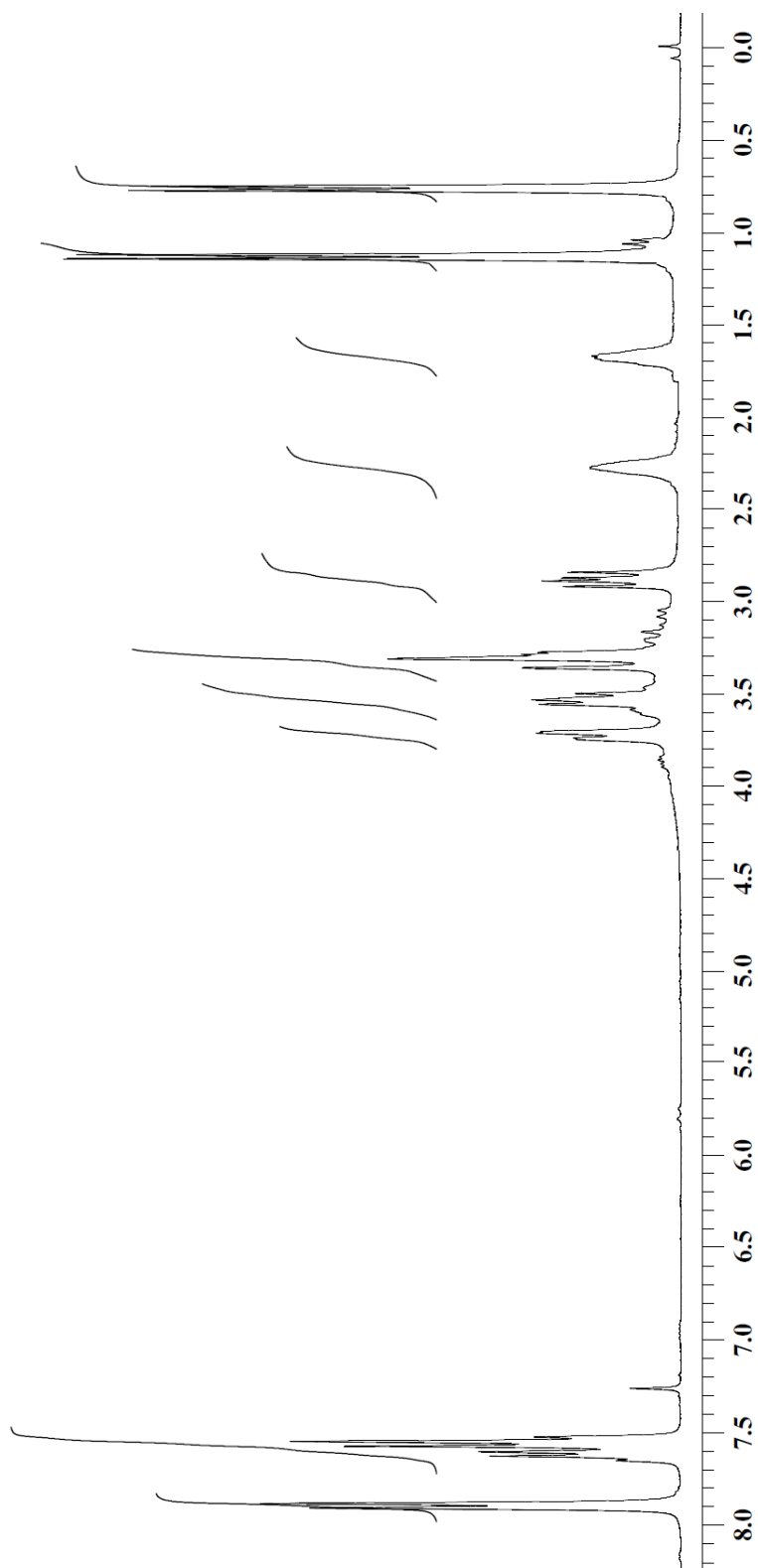
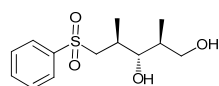
<sup>13</sup>C NMR Spectrum of sulfone corresponding to sulfoxide 16



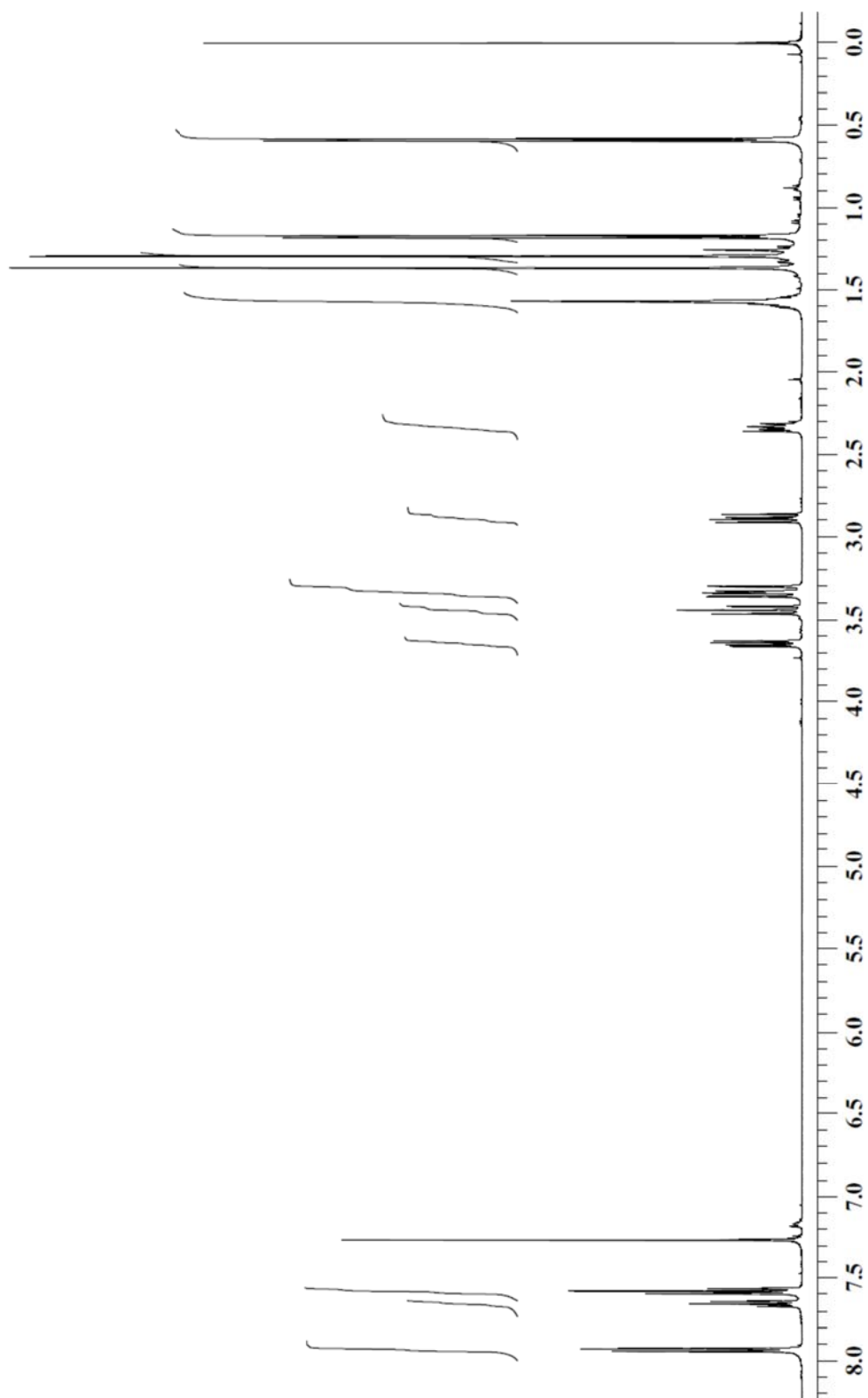
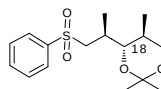
**<sup>1</sup>H NMR SPECTRUM OF COMPOUND ii**



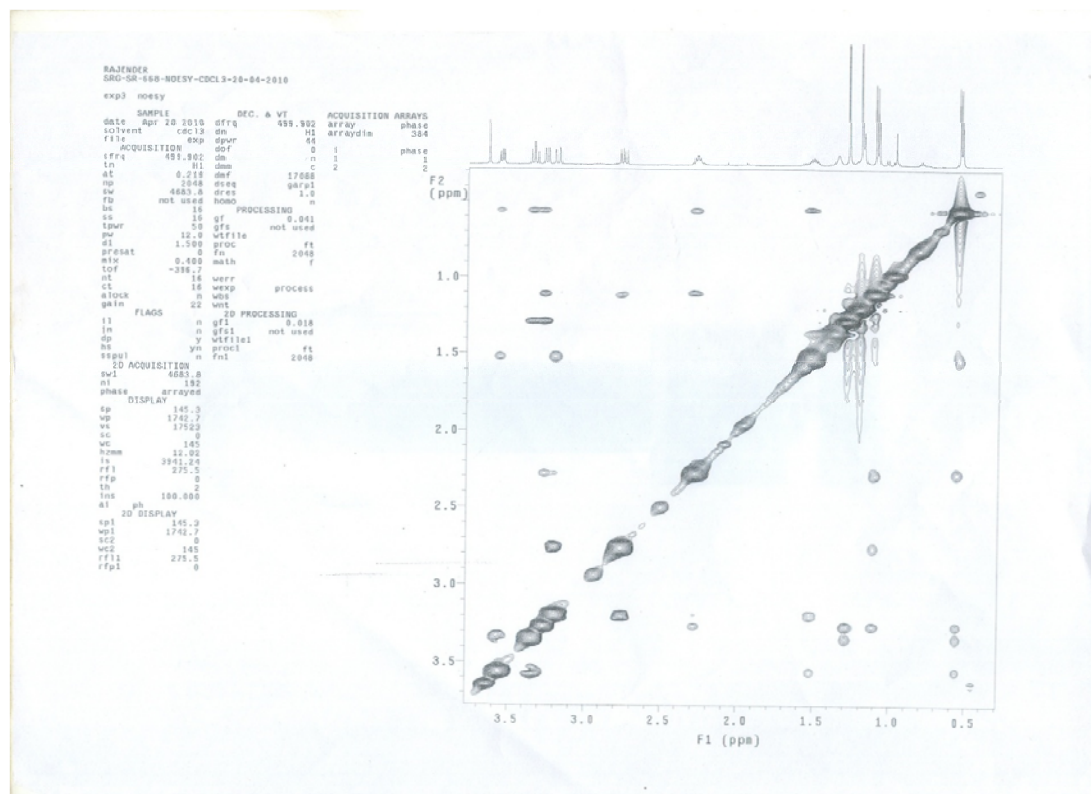
**<sup>1</sup>H NMR SPECTRUM OF COMPOUND iii**



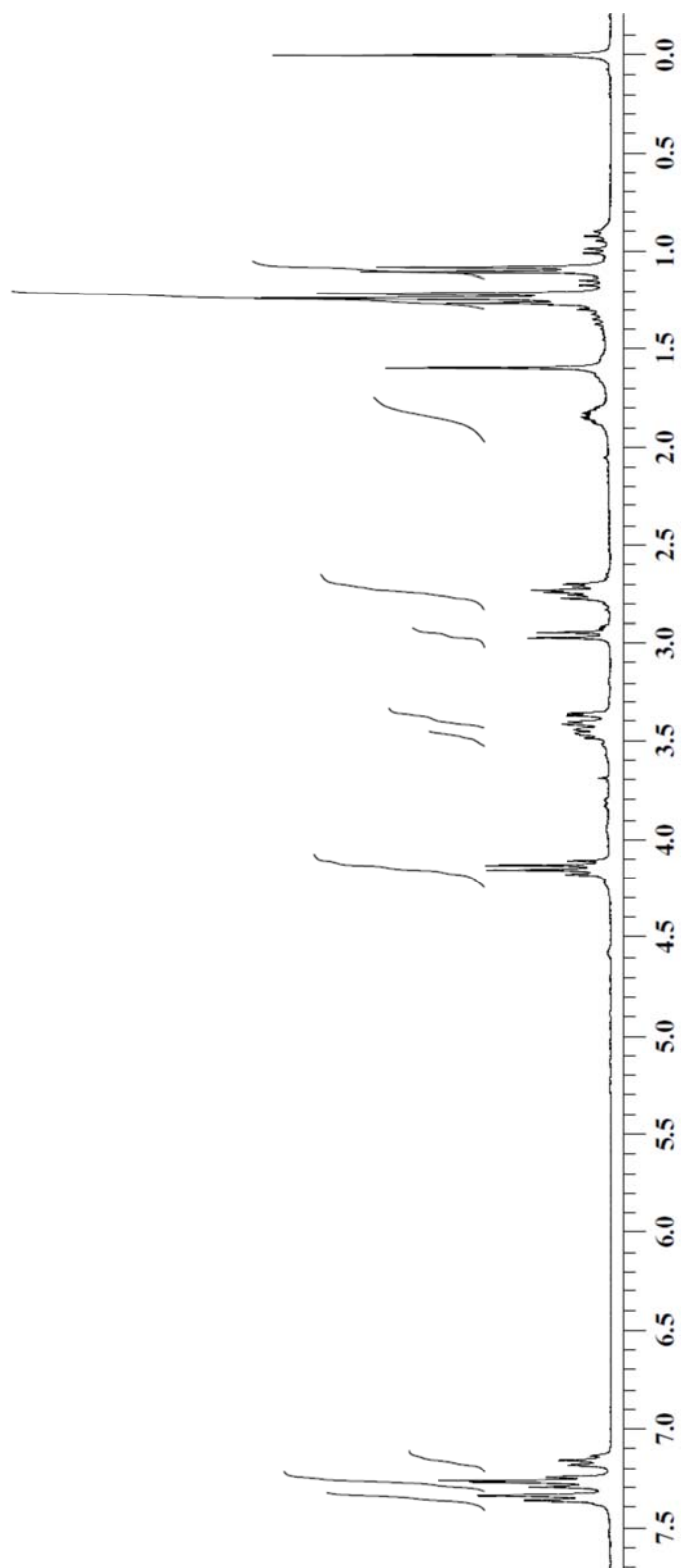
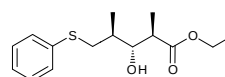
<sup>1</sup>H NMR SPECTRUM OF COMPOUND 'A'



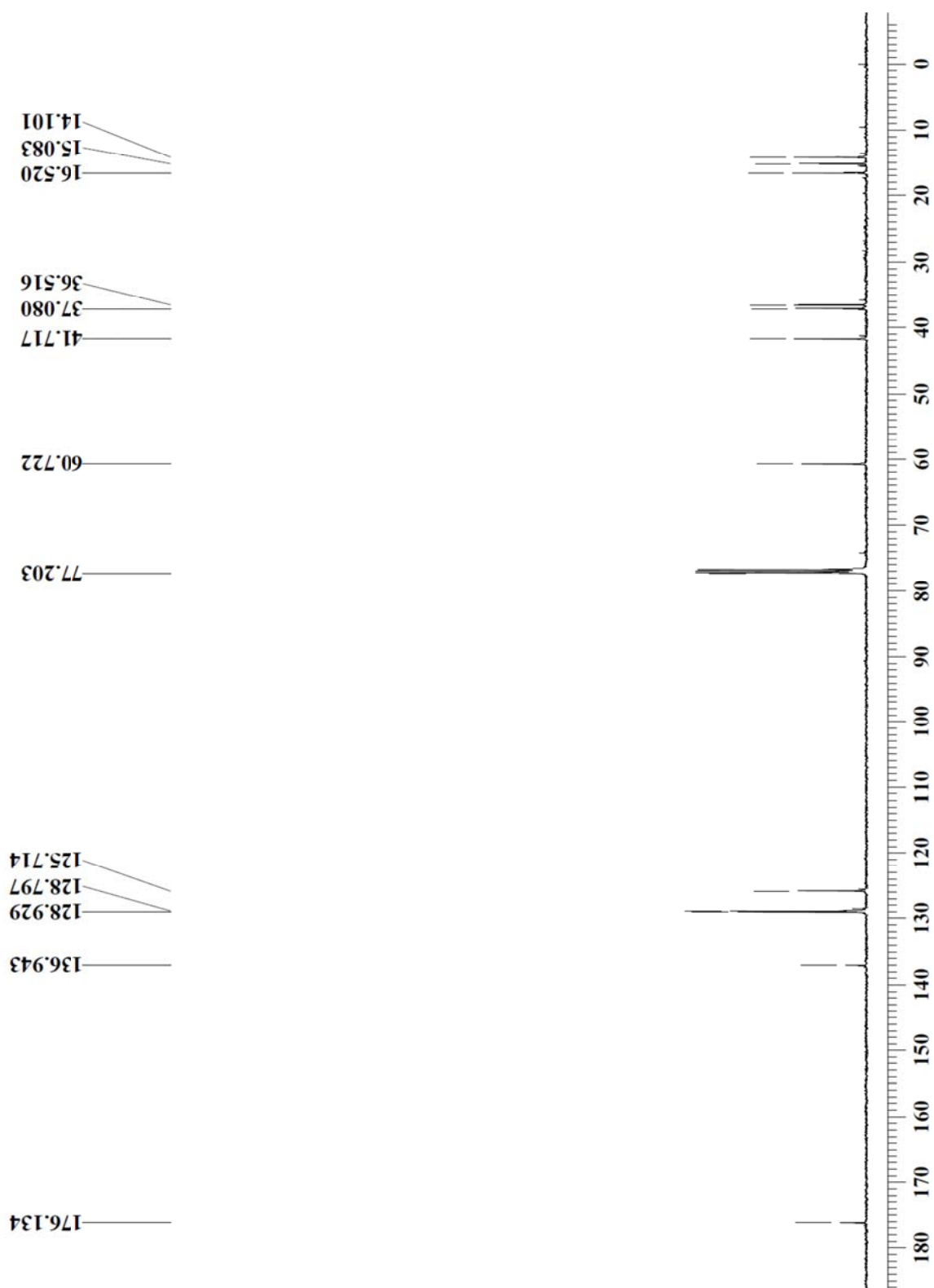
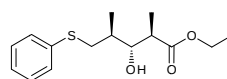
# 2D NOE OF COMPOUND 'A'



<sup>1</sup>H NMR SPECTRUM OF COMPOUND 17

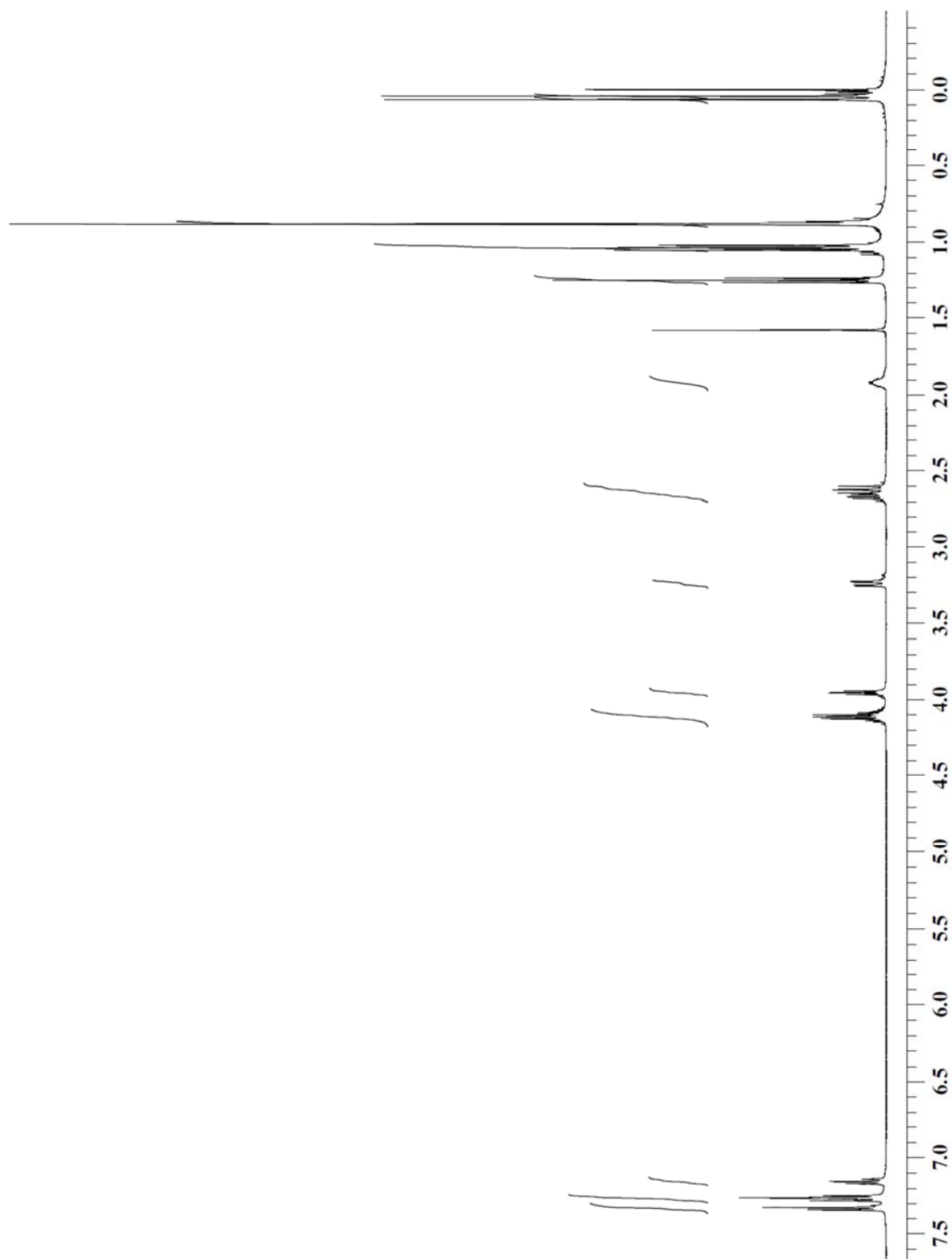
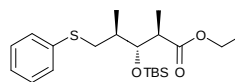


<sup>13</sup>C NMR SPECTRUM OF COMPOUND 17

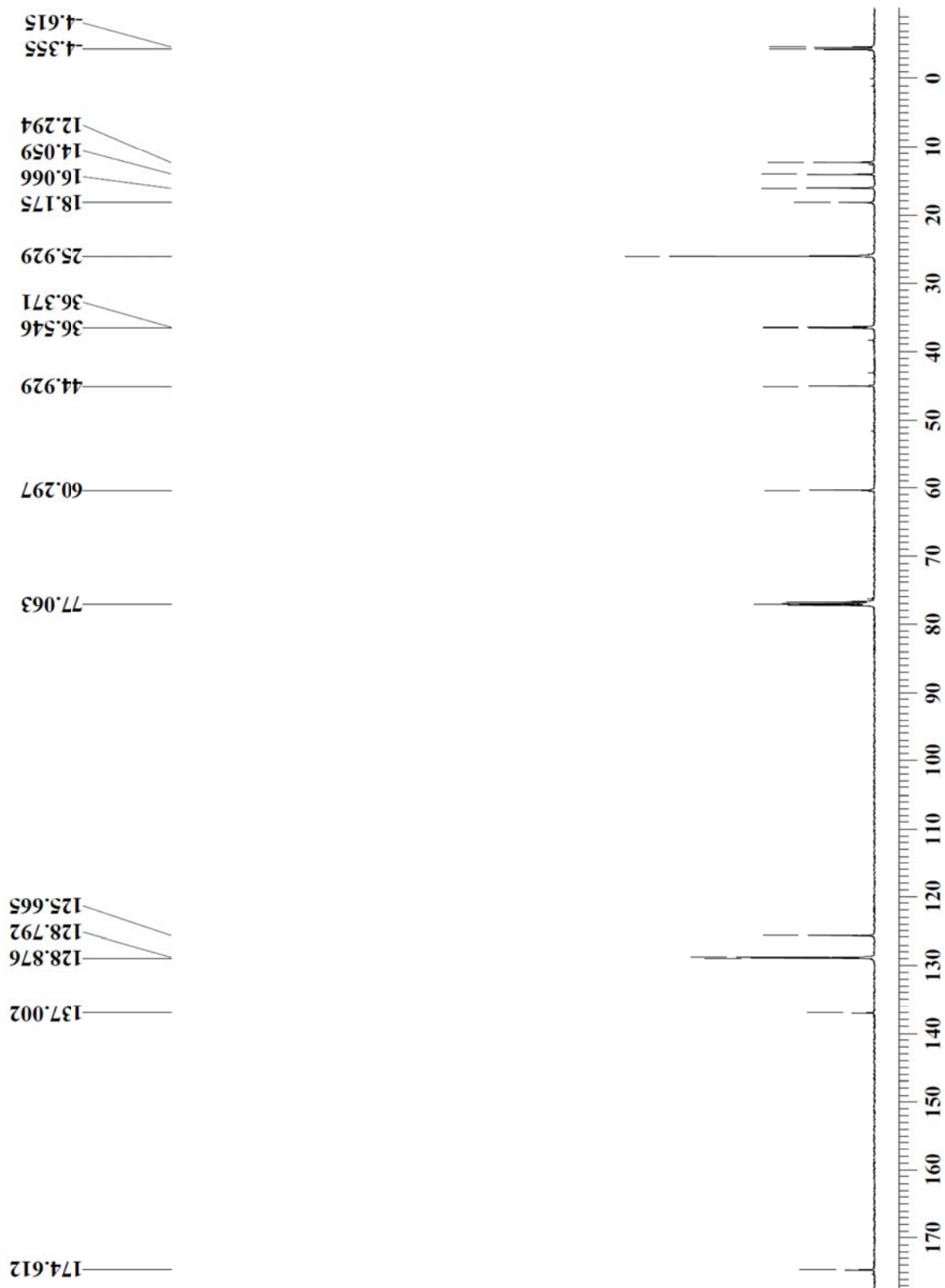
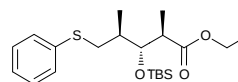




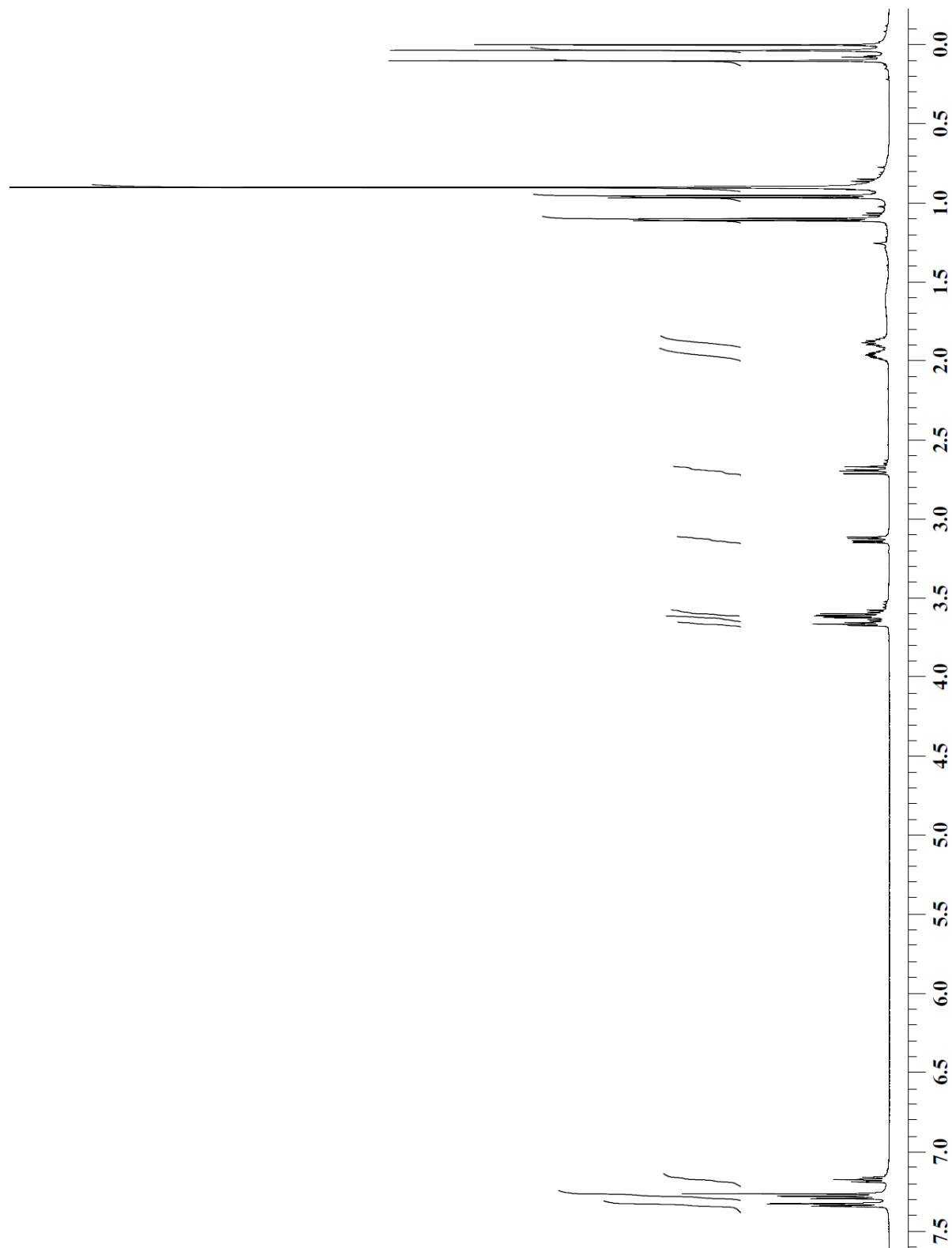
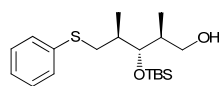
<sup>1</sup>H NMR SPECTRUM OF COMPOUND 5



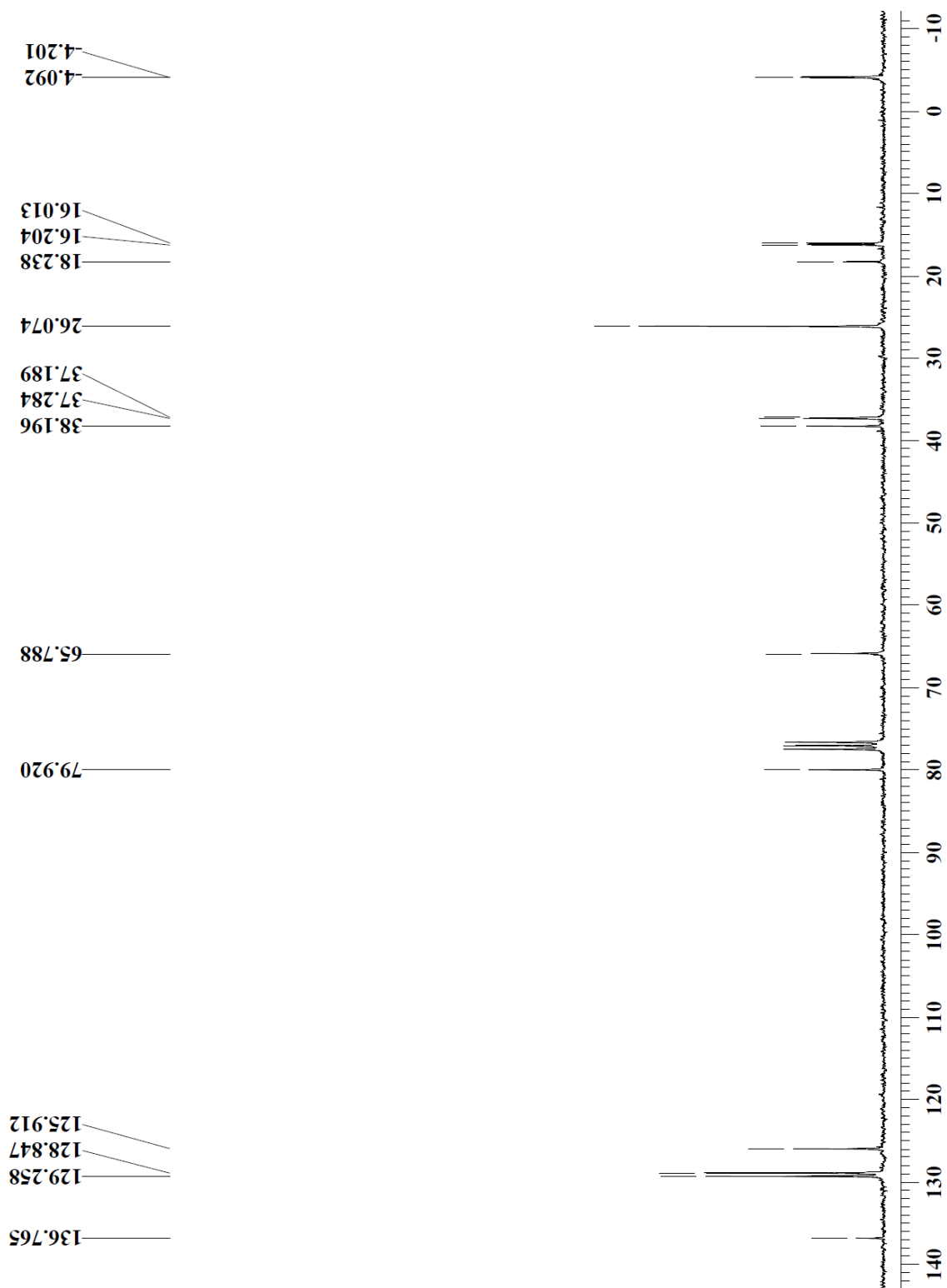
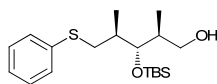
<sup>13</sup>C NMR SPECTRUM OF COMPOUND 5



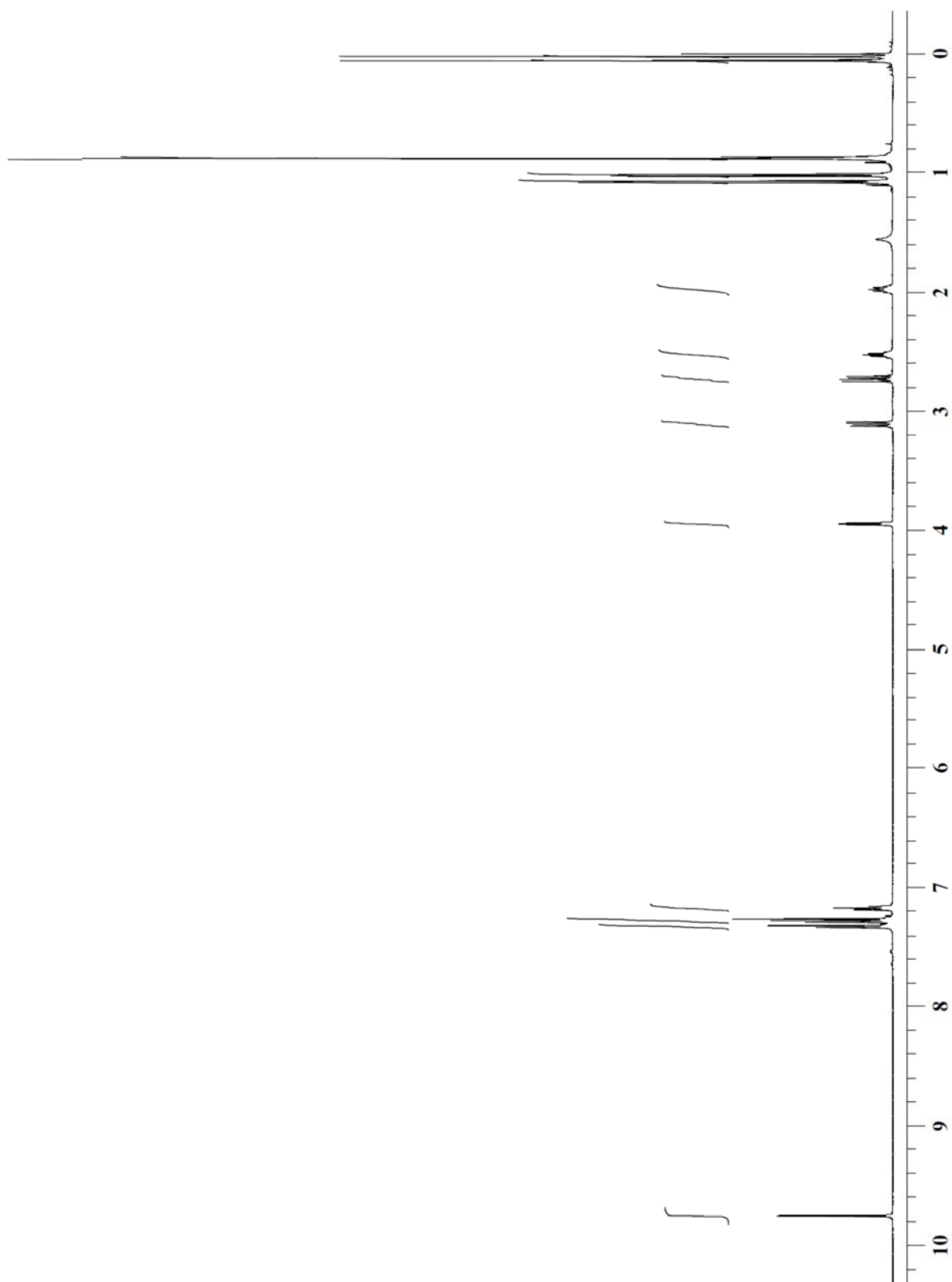
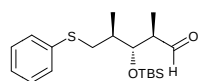
**<sup>1</sup>H NMR SPECTRUM OF COMPOUND 18**



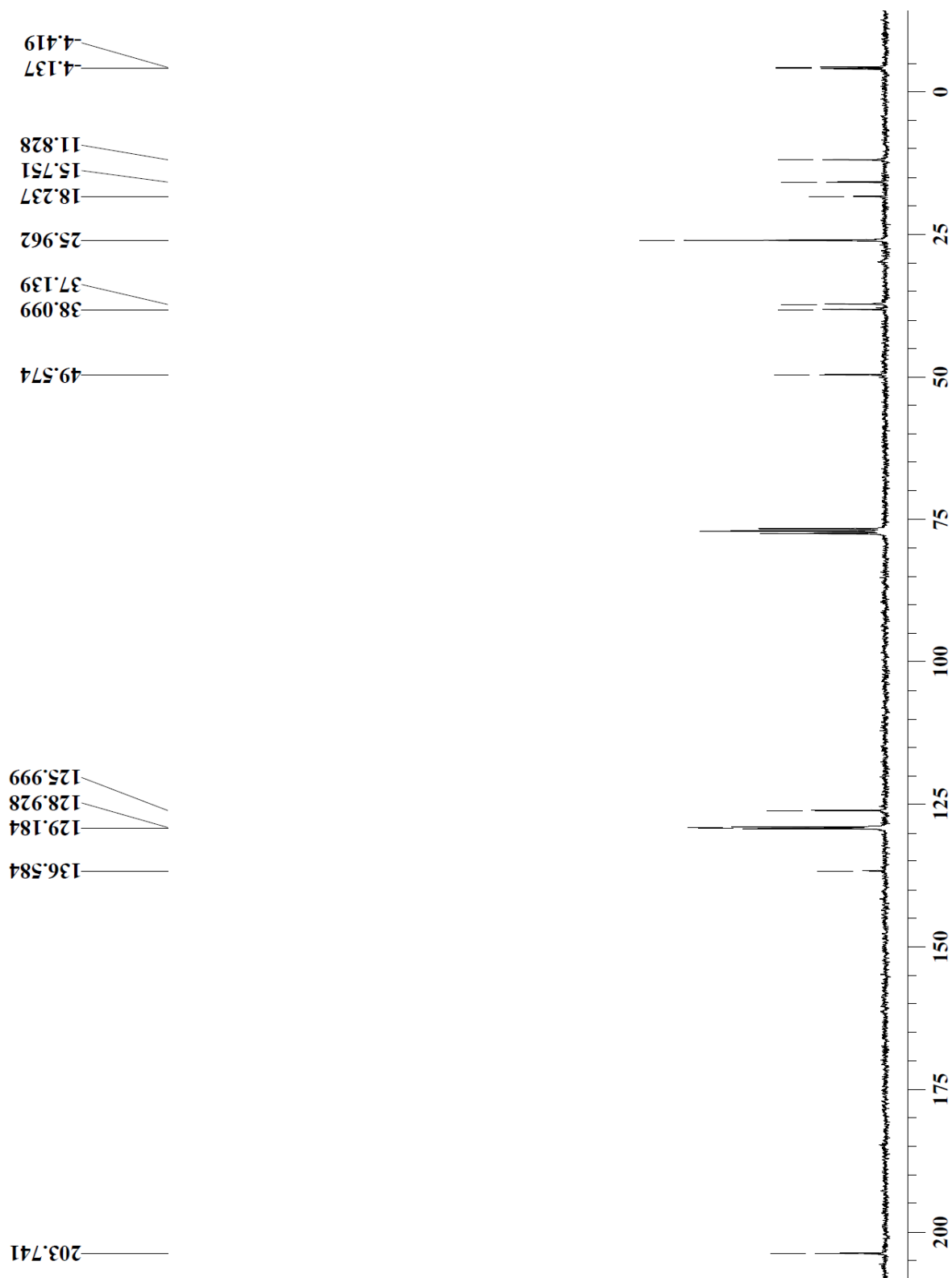
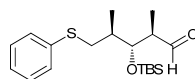
<sup>13</sup>C NMR SPECTRUM OF COMPOUND 18



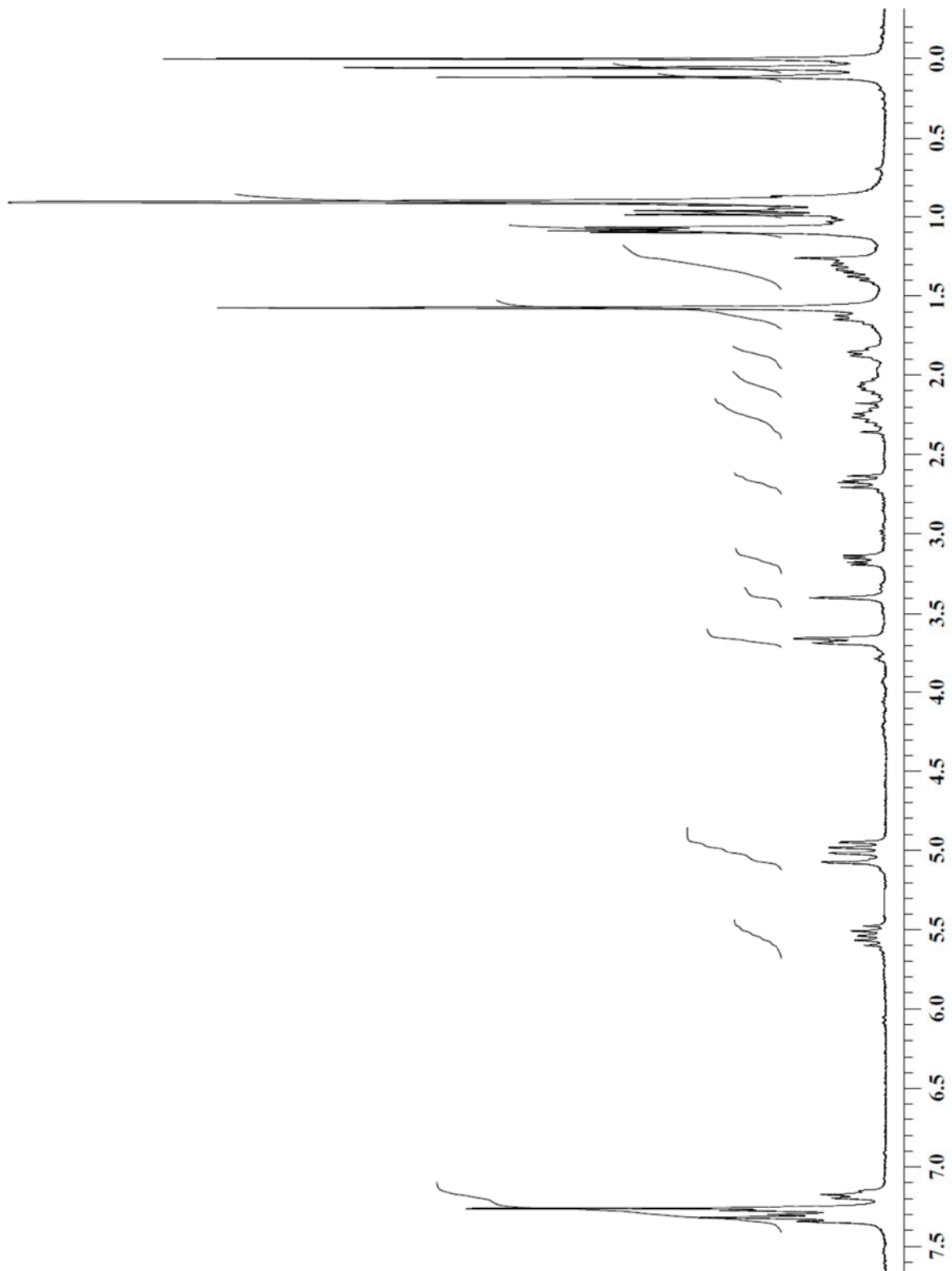
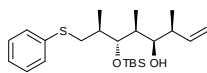
**<sup>1</sup>H NMR SPECTRUM OF COMPOUND 19**



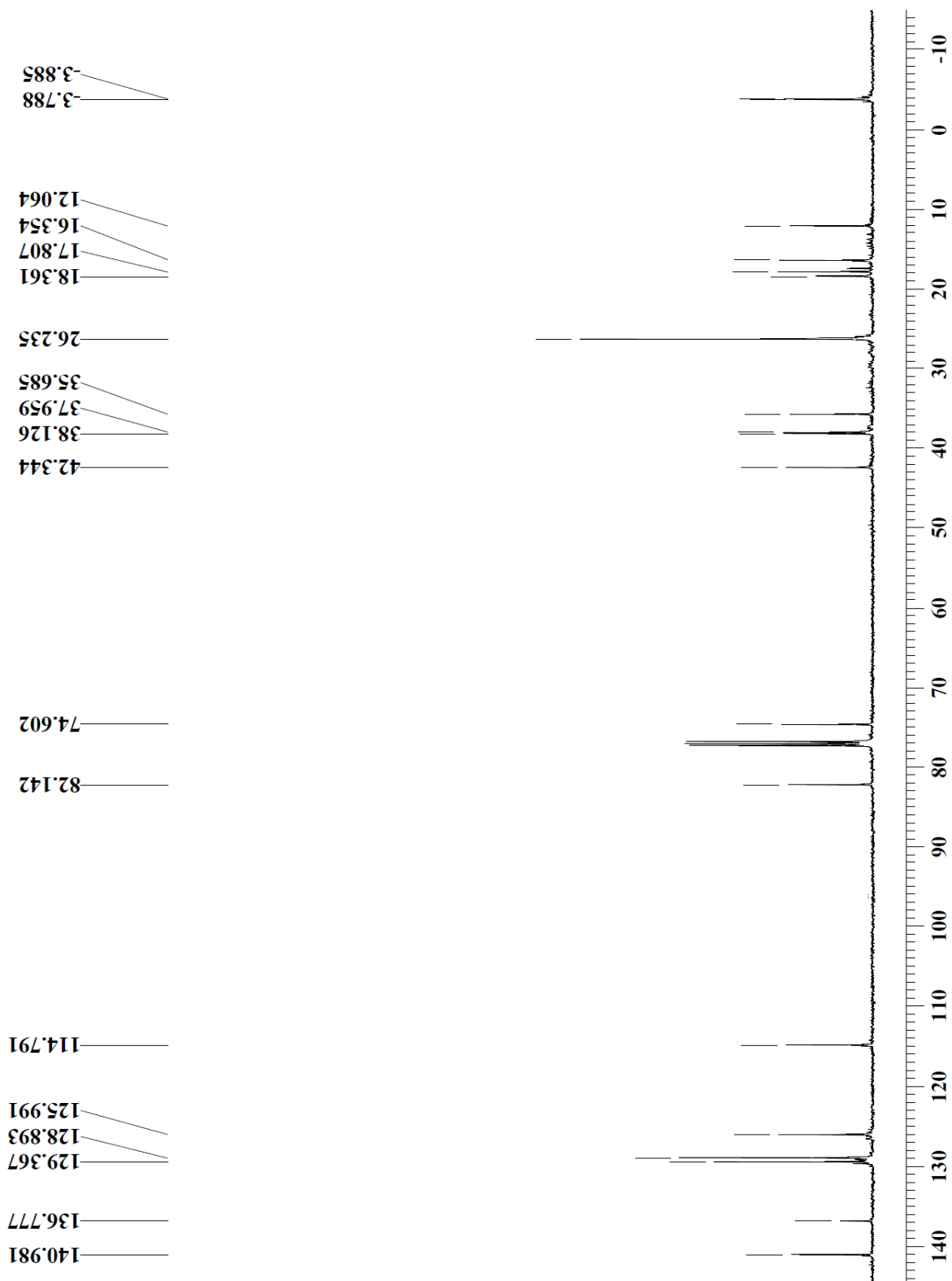
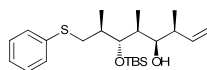
<sup>13</sup>C NMR SPECTRUM OF COMPOUND 19



### <sup>1</sup>H NMR SPECTRUM OF COMPOUND 20

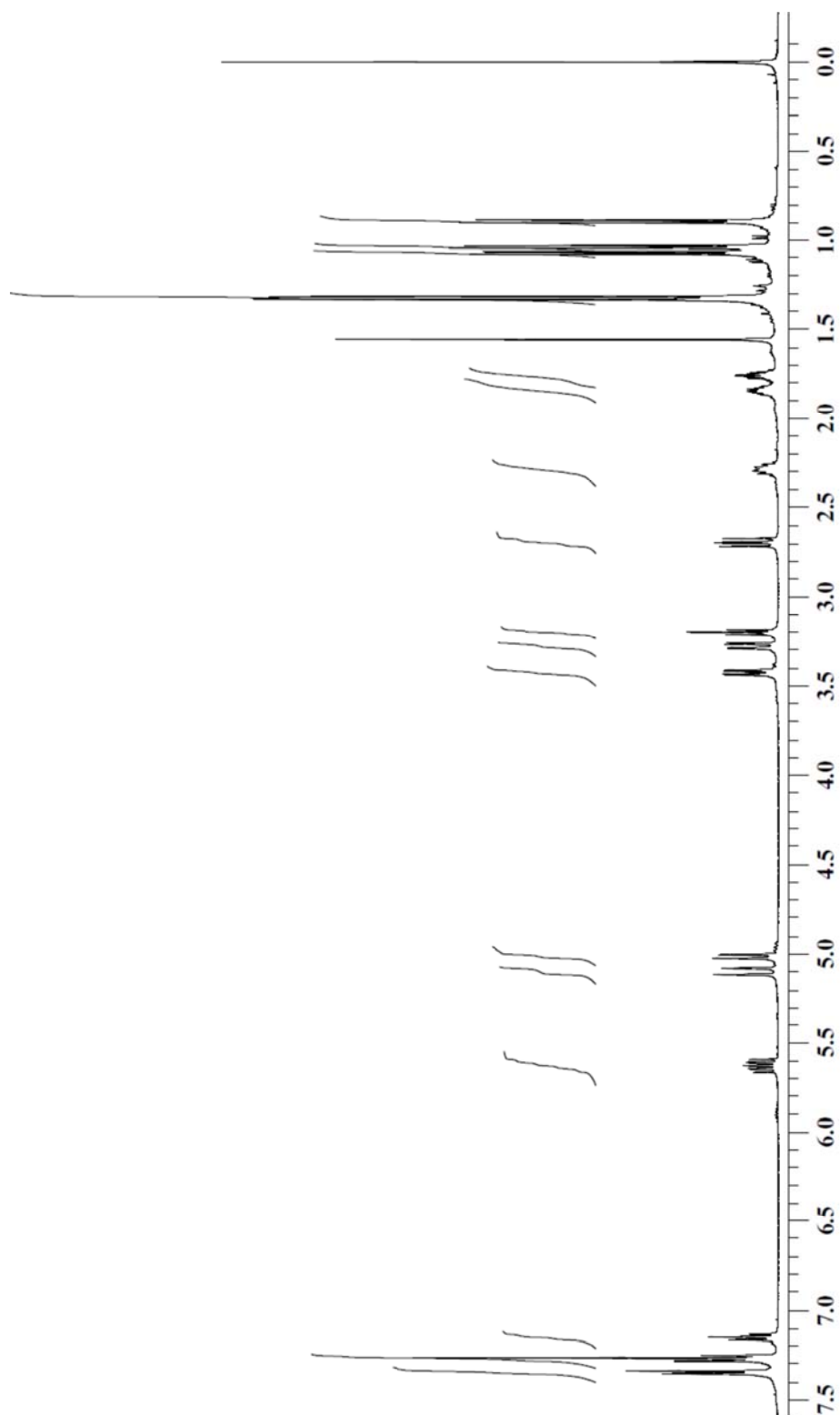
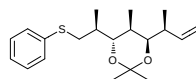


<sup>13</sup>C NMR SPECTRUM OF COMPOUND 20

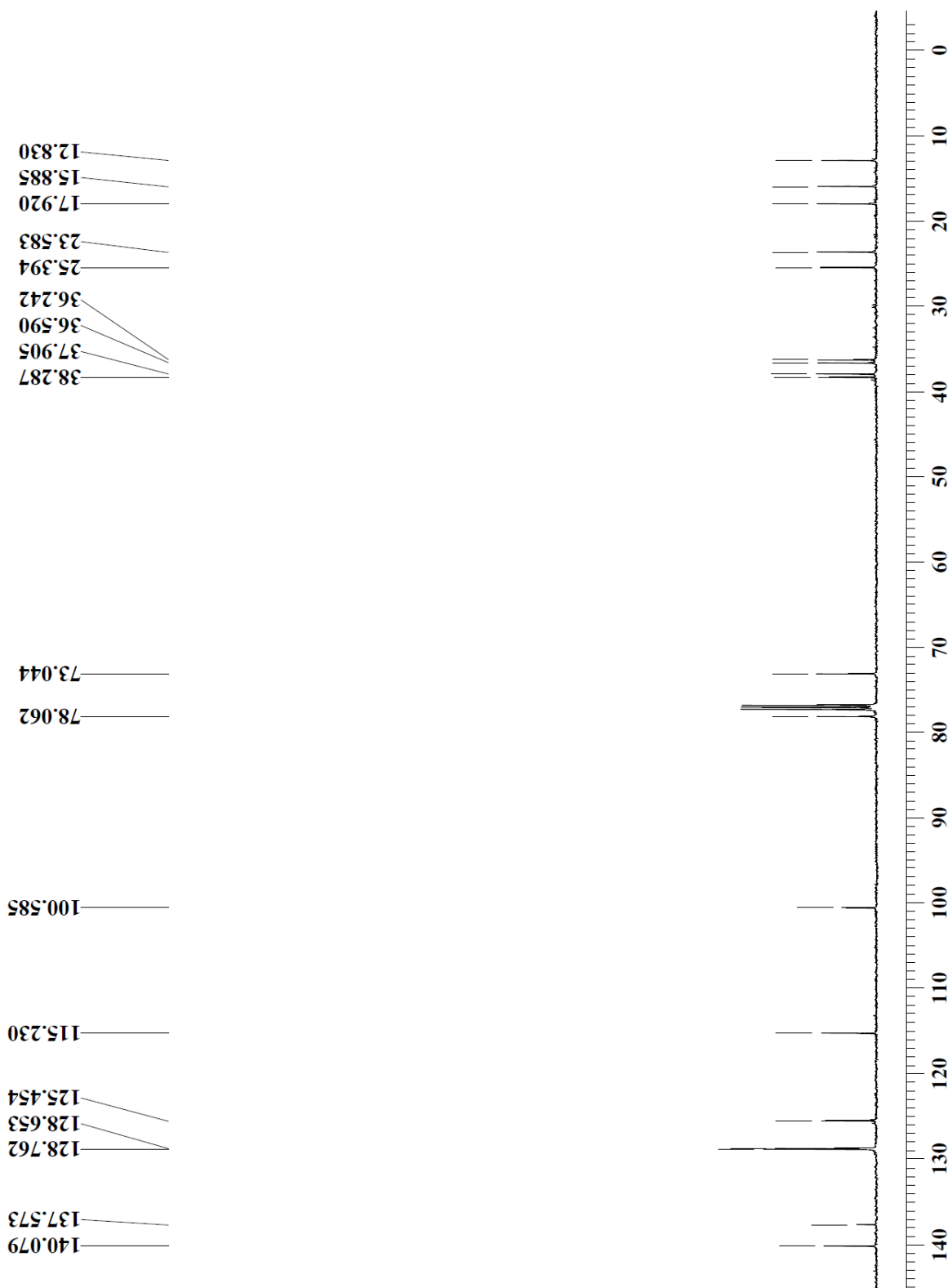
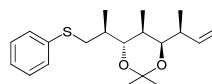




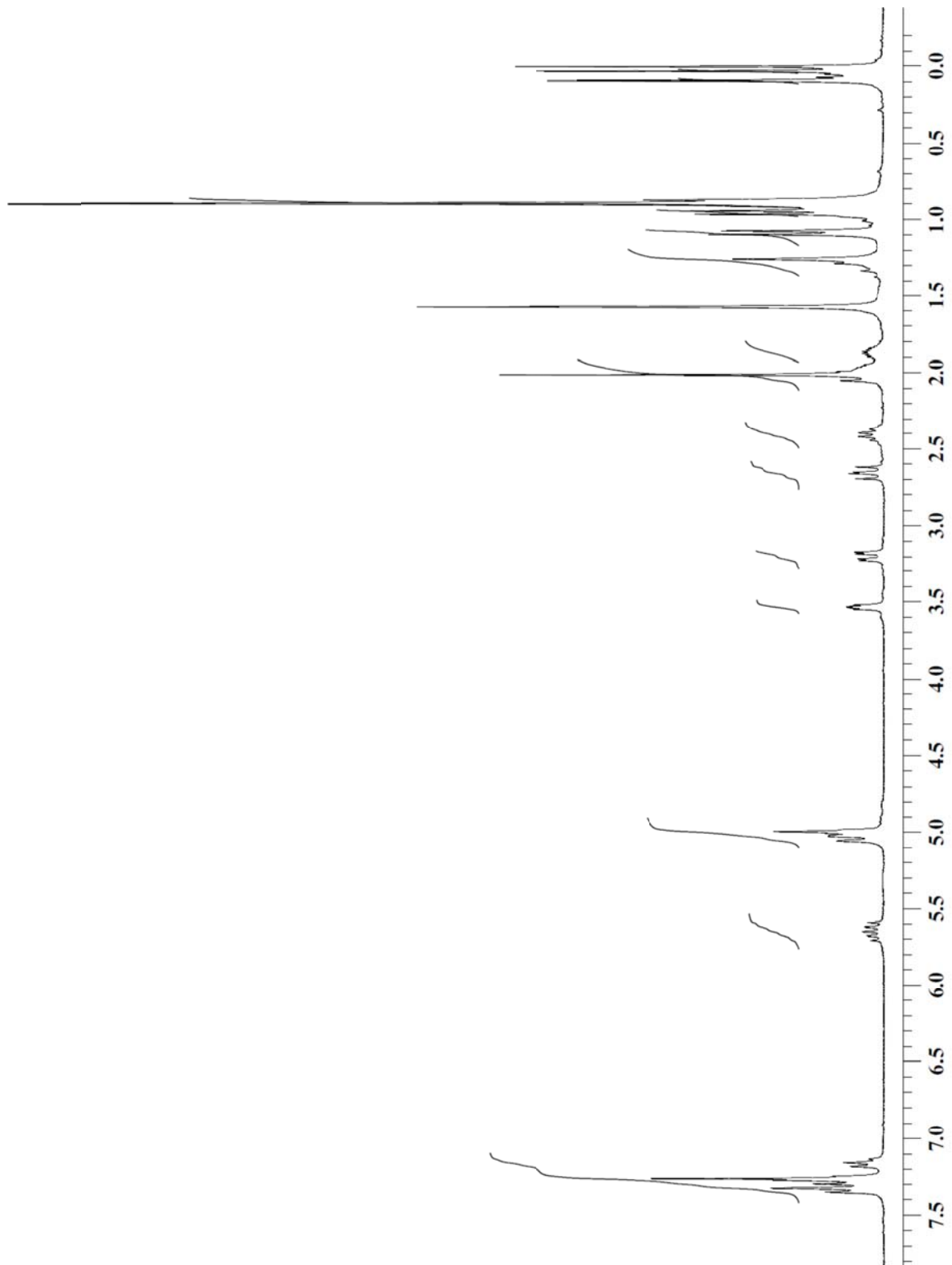
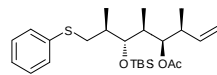
### <sup>1</sup>H NMR SPECTRUM OF COMPOUND 22

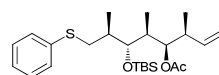


### <sup>13</sup>C NMR SPECTRUM OF COMPOUND 22

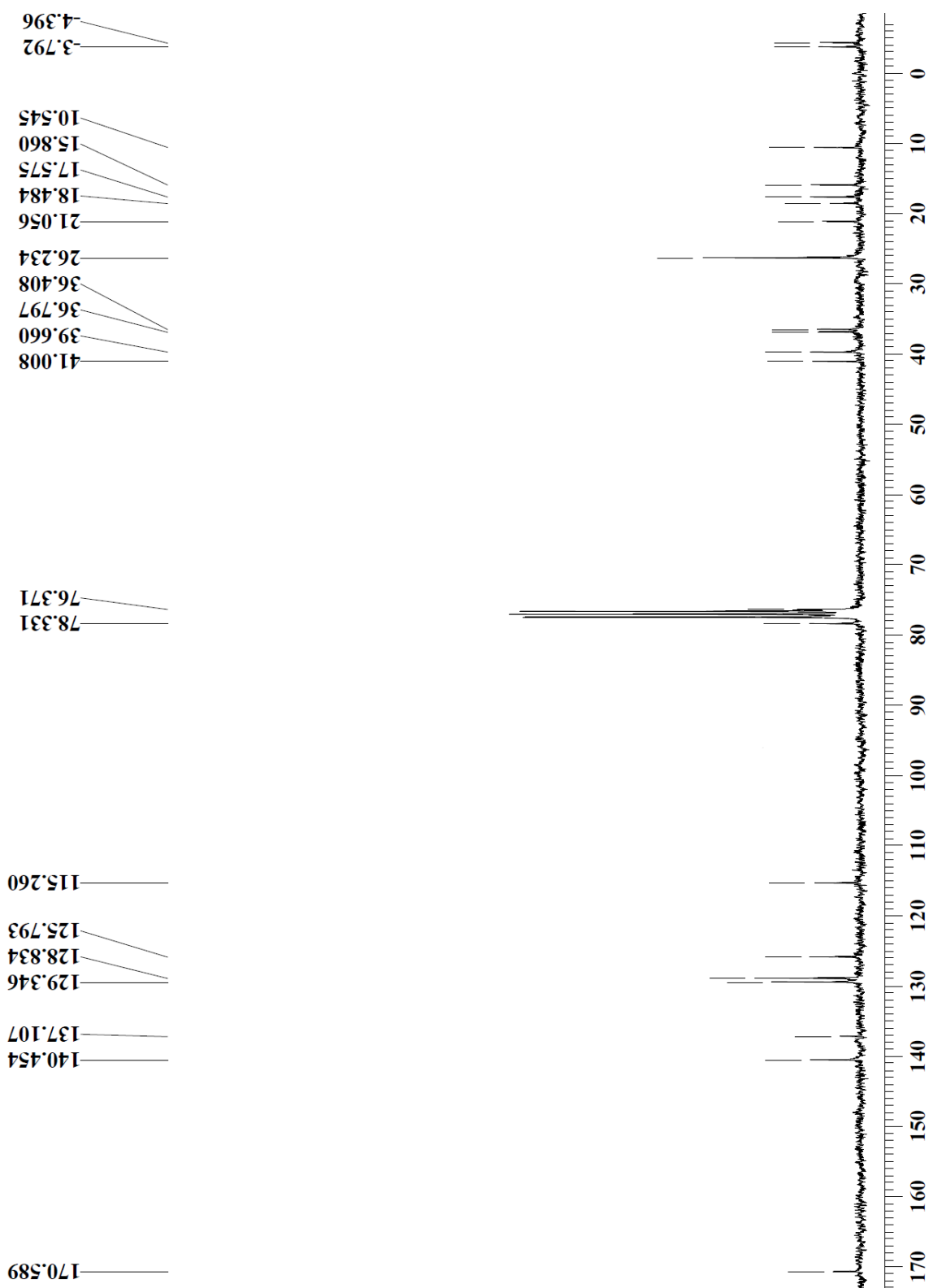


### <sup>1</sup>H NMR SPECTRUM OF COMPOUND 4

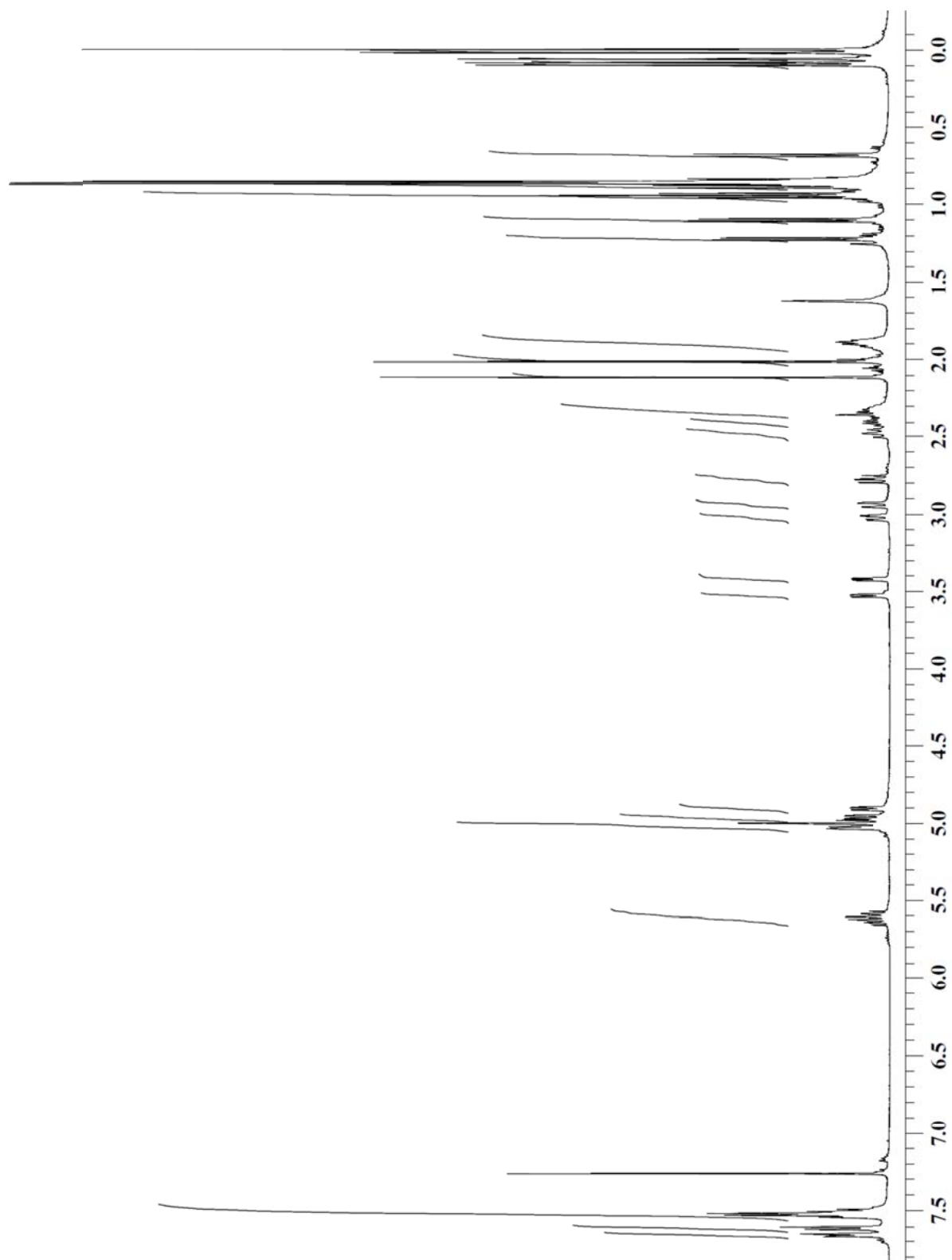
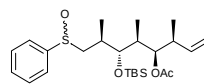




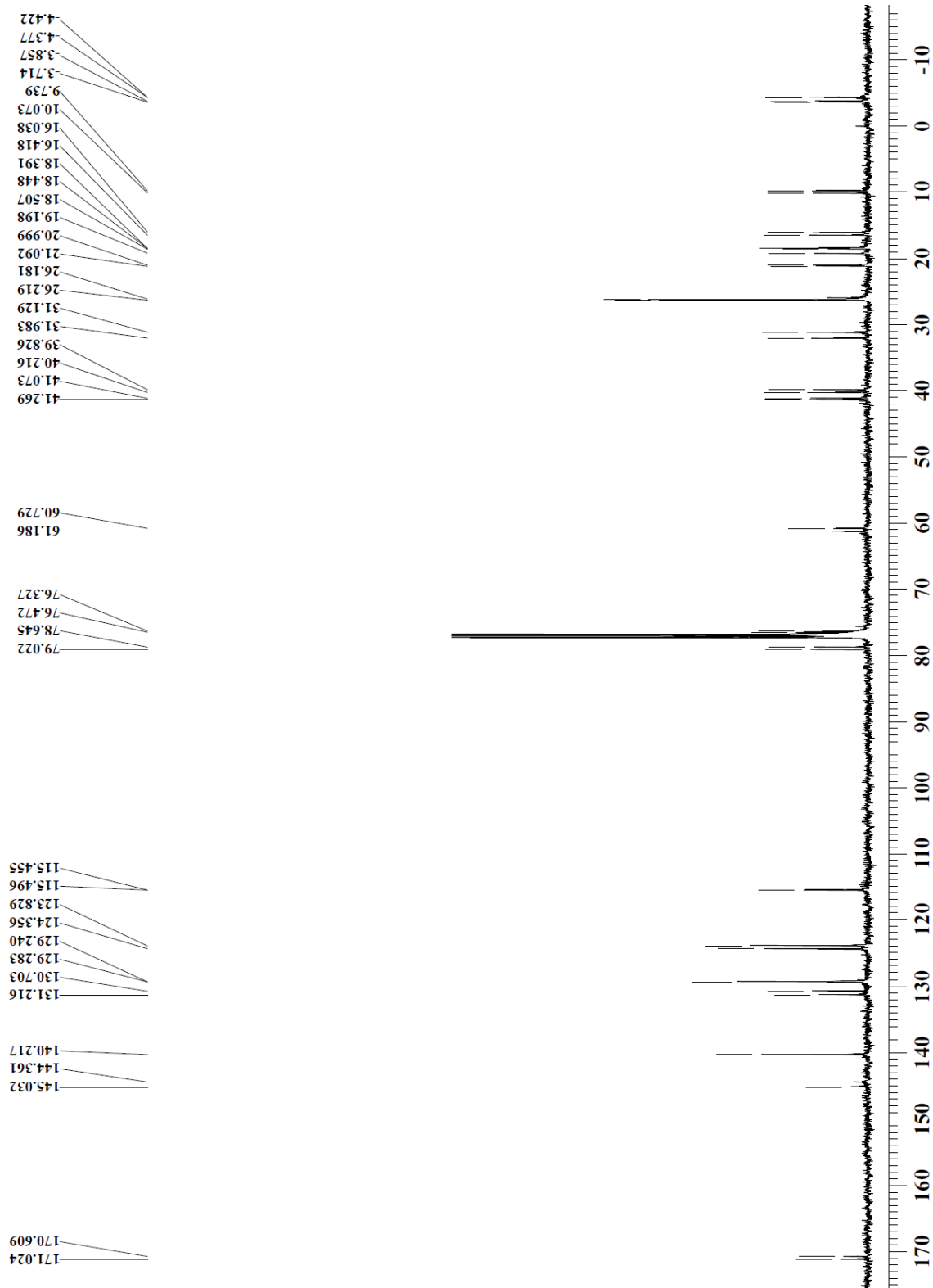
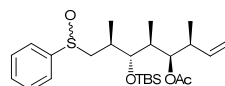
# <sup>13</sup>C NMR SPECTRUM OF COMPOUND 4



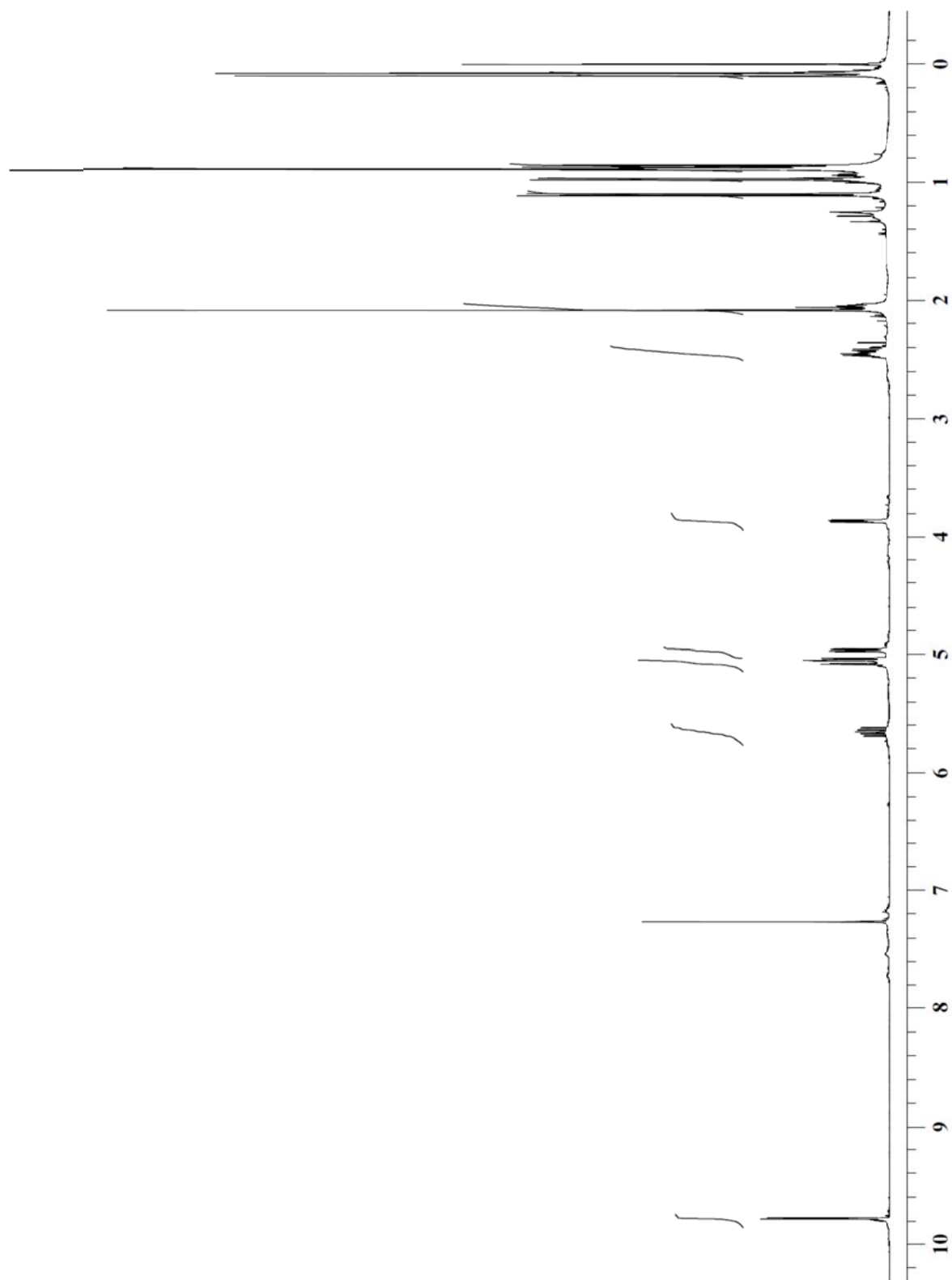
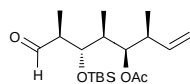
### <sup>1</sup>H NMR SPECTRUM OF COMPOUND 21



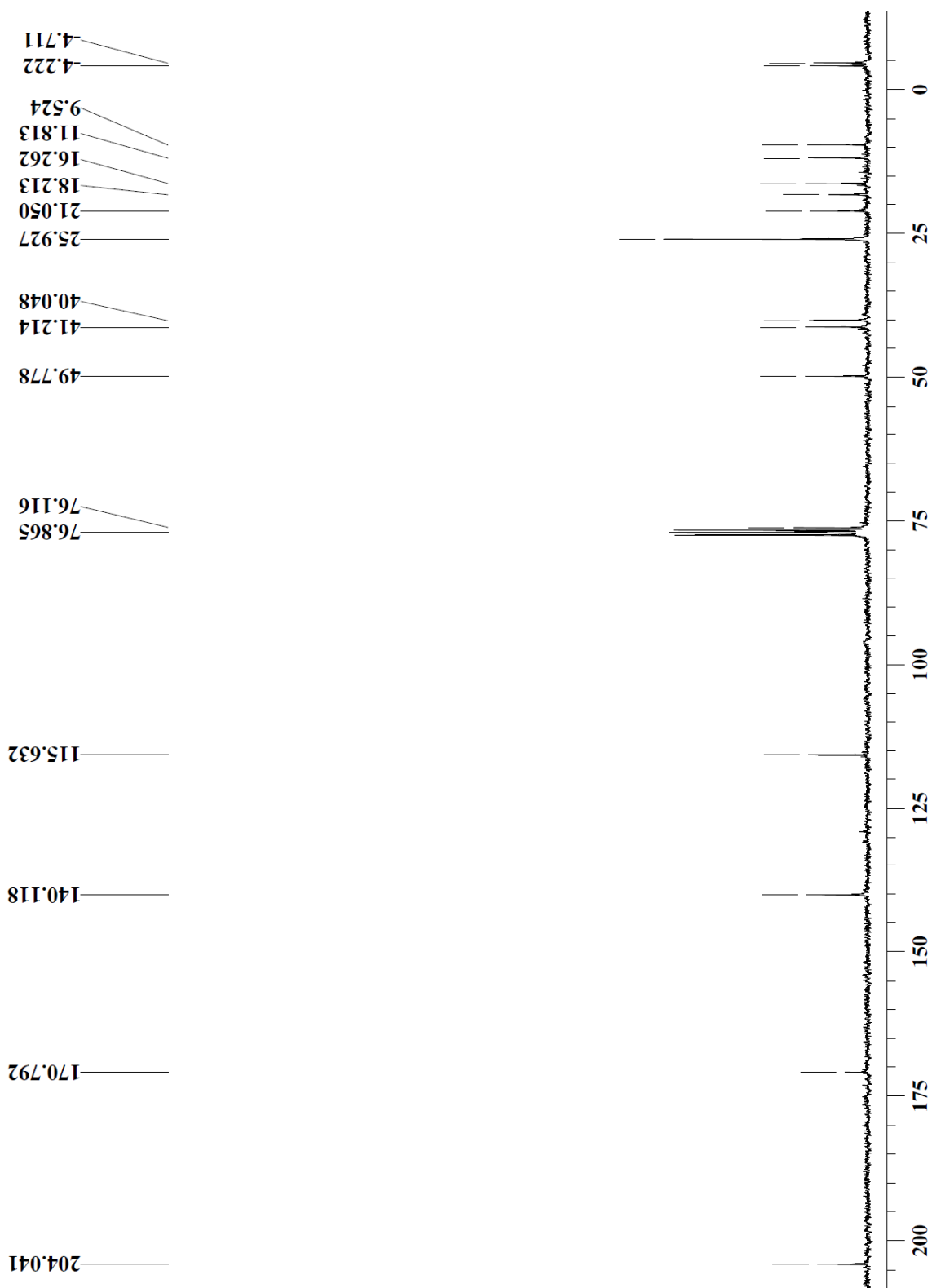
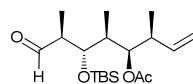
<sup>13</sup>C NMR SPECTRUM OF COMPOUND 21



**$^1\text{H}$  NMR SPECTRUM OF COMPOUND 23**

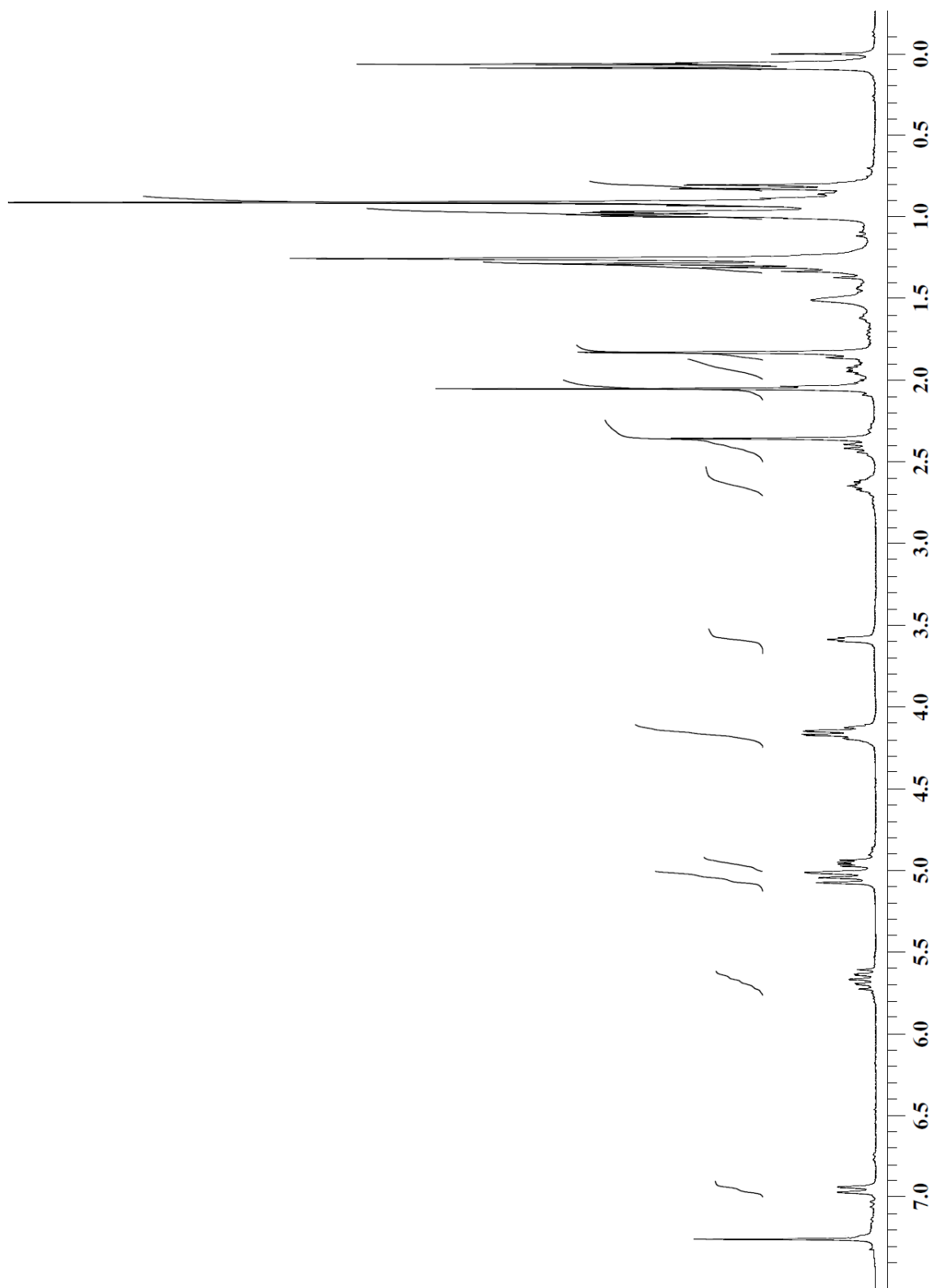
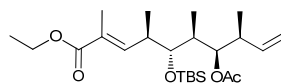


<sup>13</sup>C NMR SPECTRUM OF COMPOUND 23

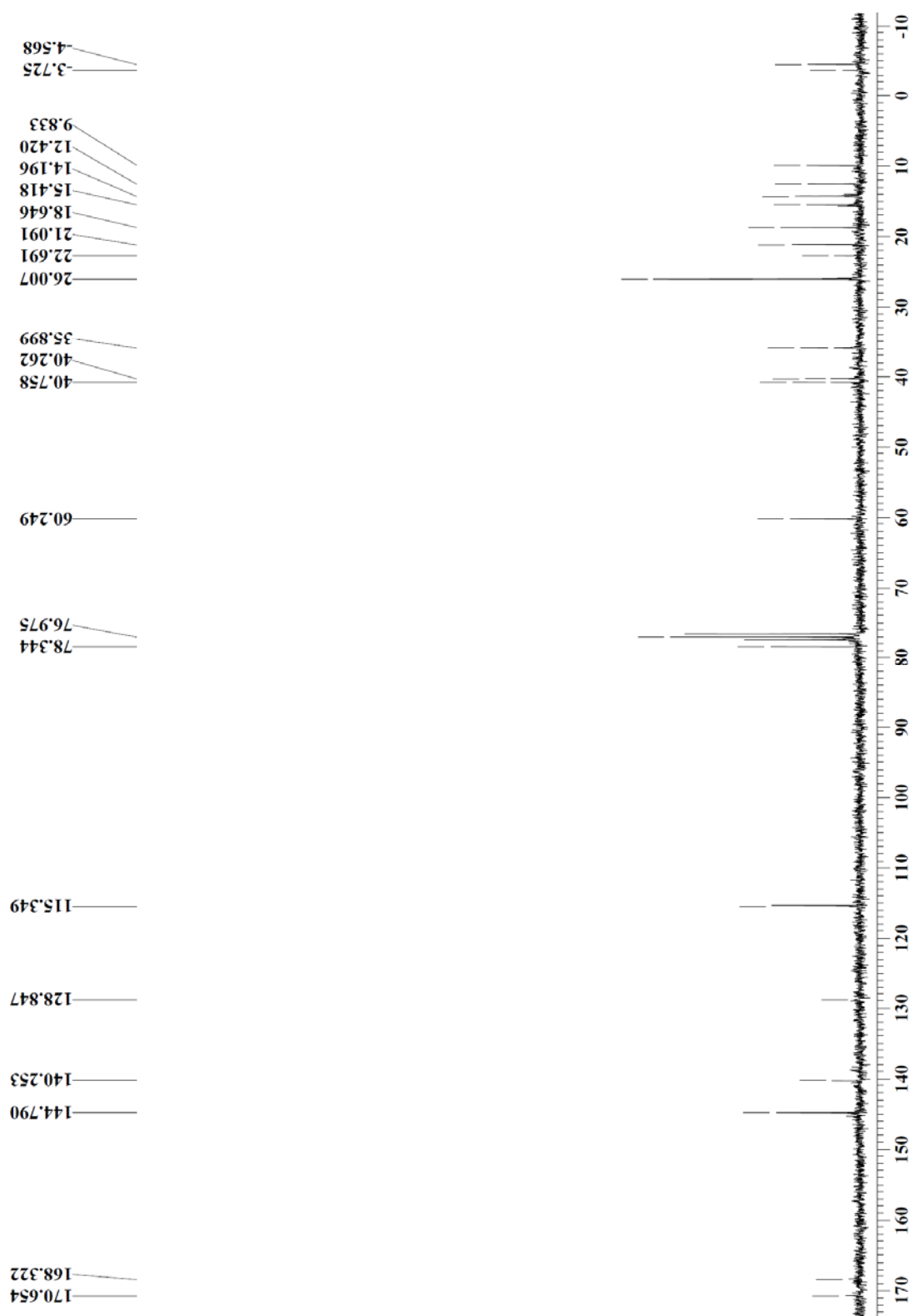
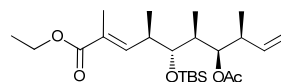




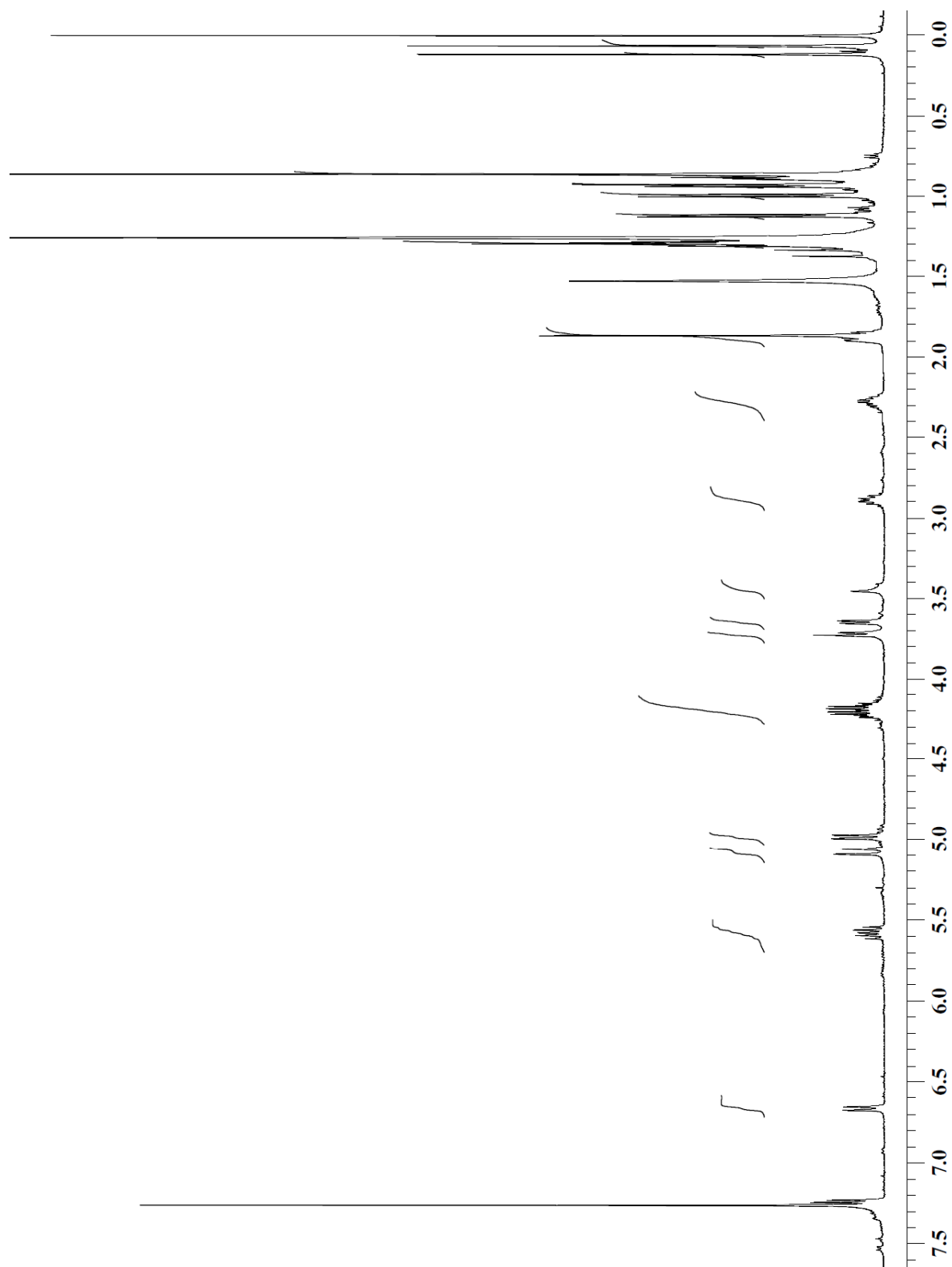
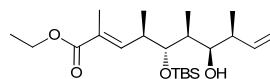
<sup>1</sup>H NMR SPECTRUM OF COMPOUND 24

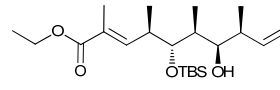


<sup>13</sup>C NMR SPECTRUM OF COMPOUND 24



<sup>1</sup>H NMR SPECTRUM OF COMPOUND OF 25.





<sup>13</sup>C NMR SPECTRUM OF COMPOUND 25

