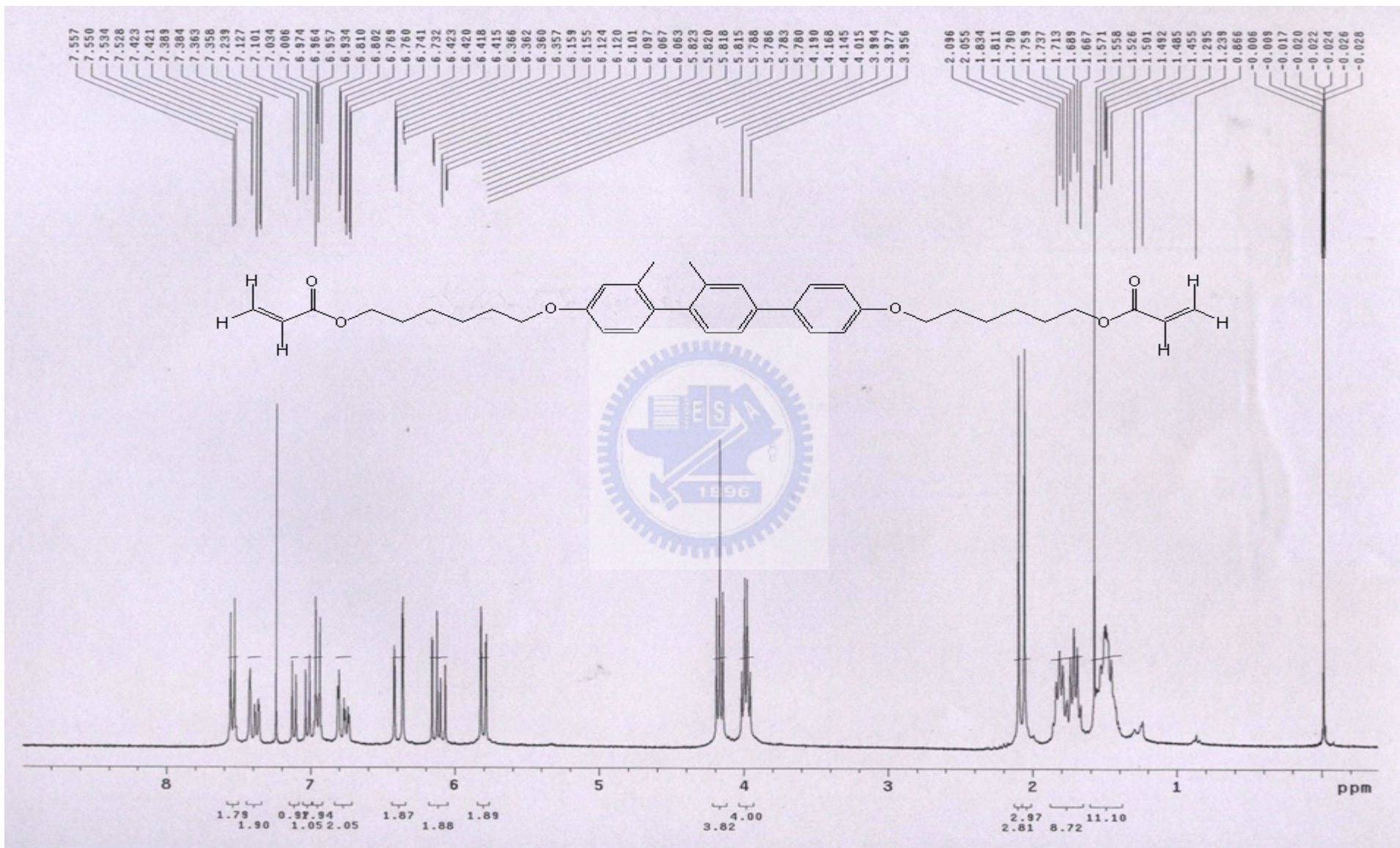
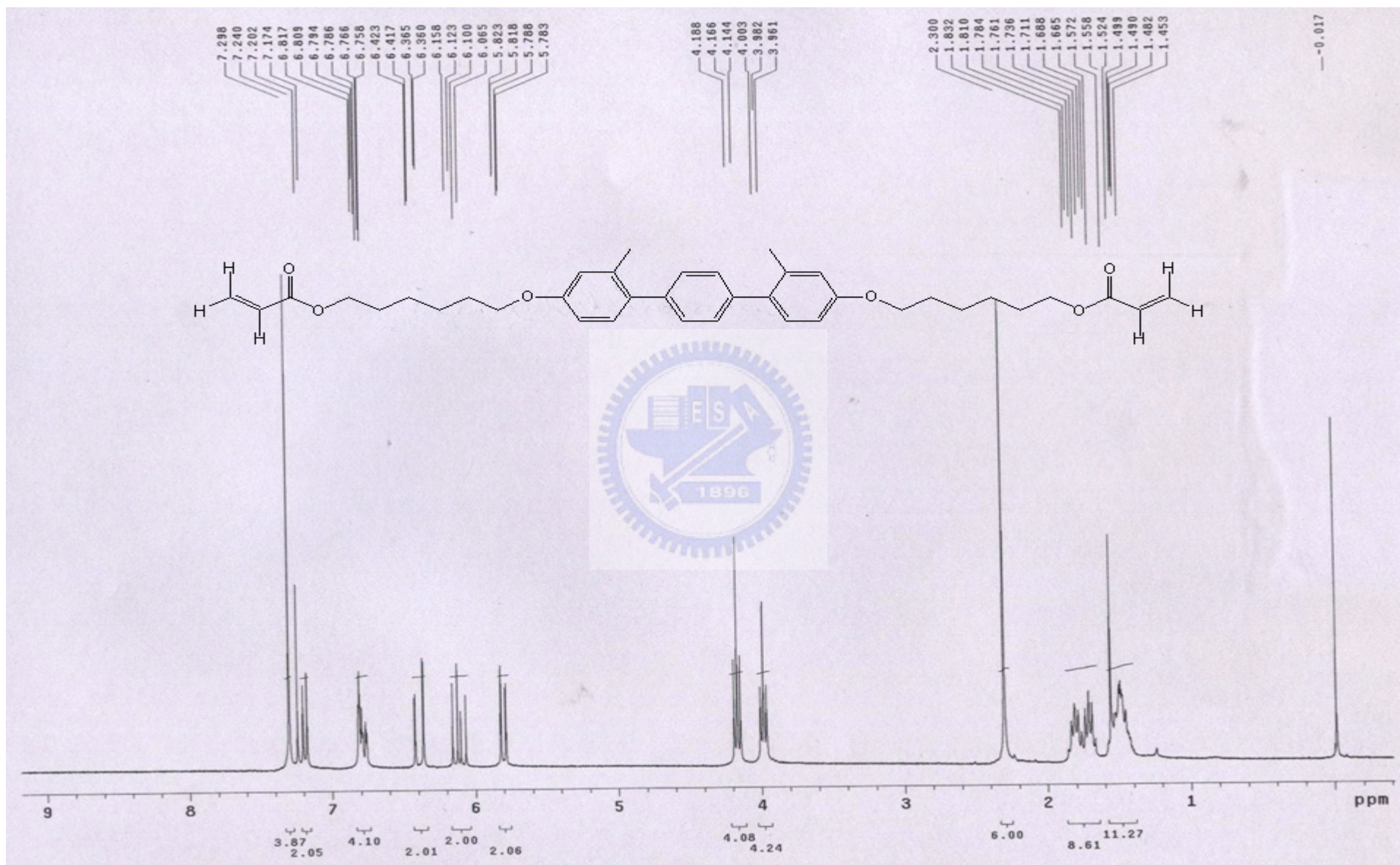


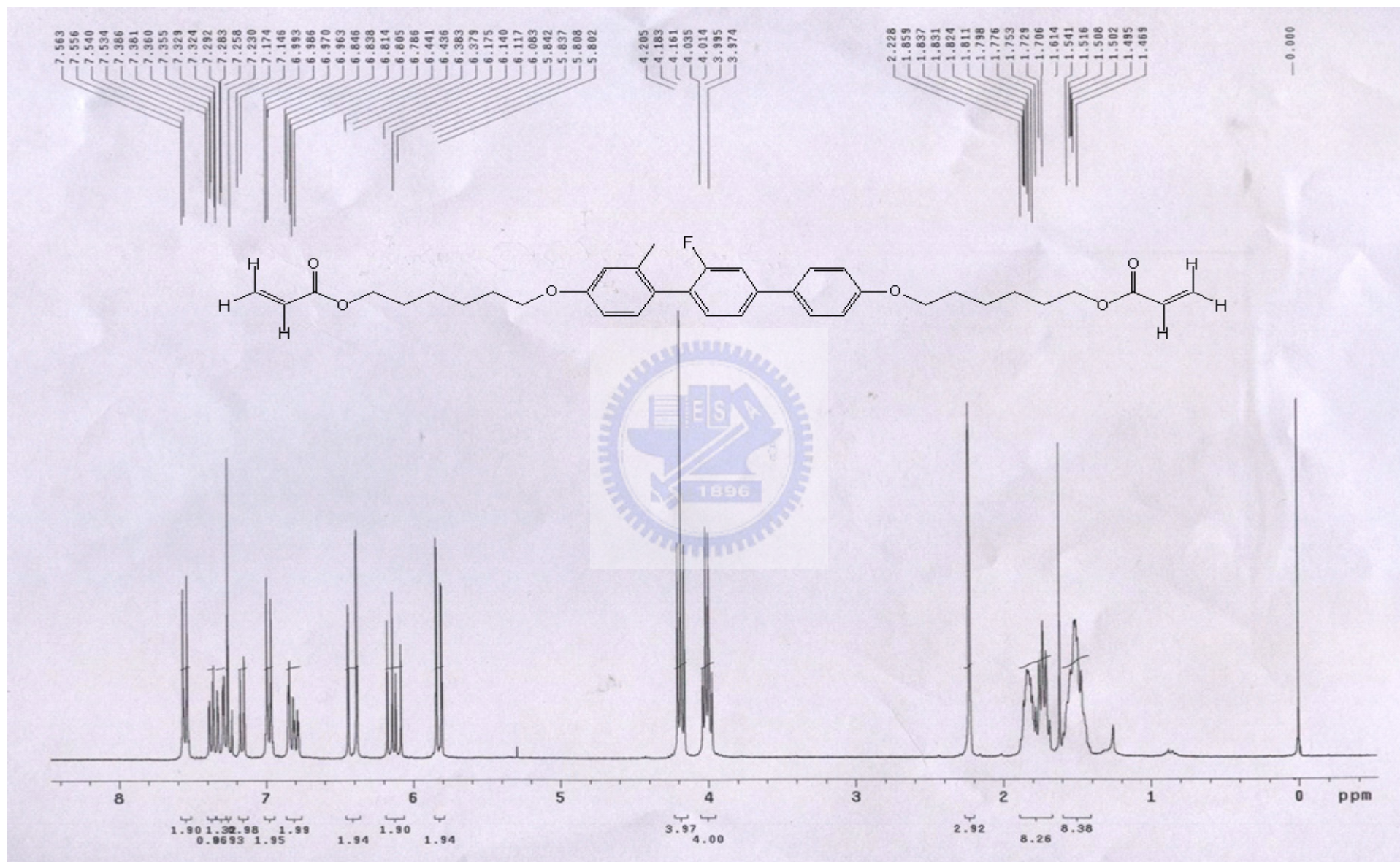
附圖 1. BBB2Me 之 <sup>1</sup>H-NMR 圖



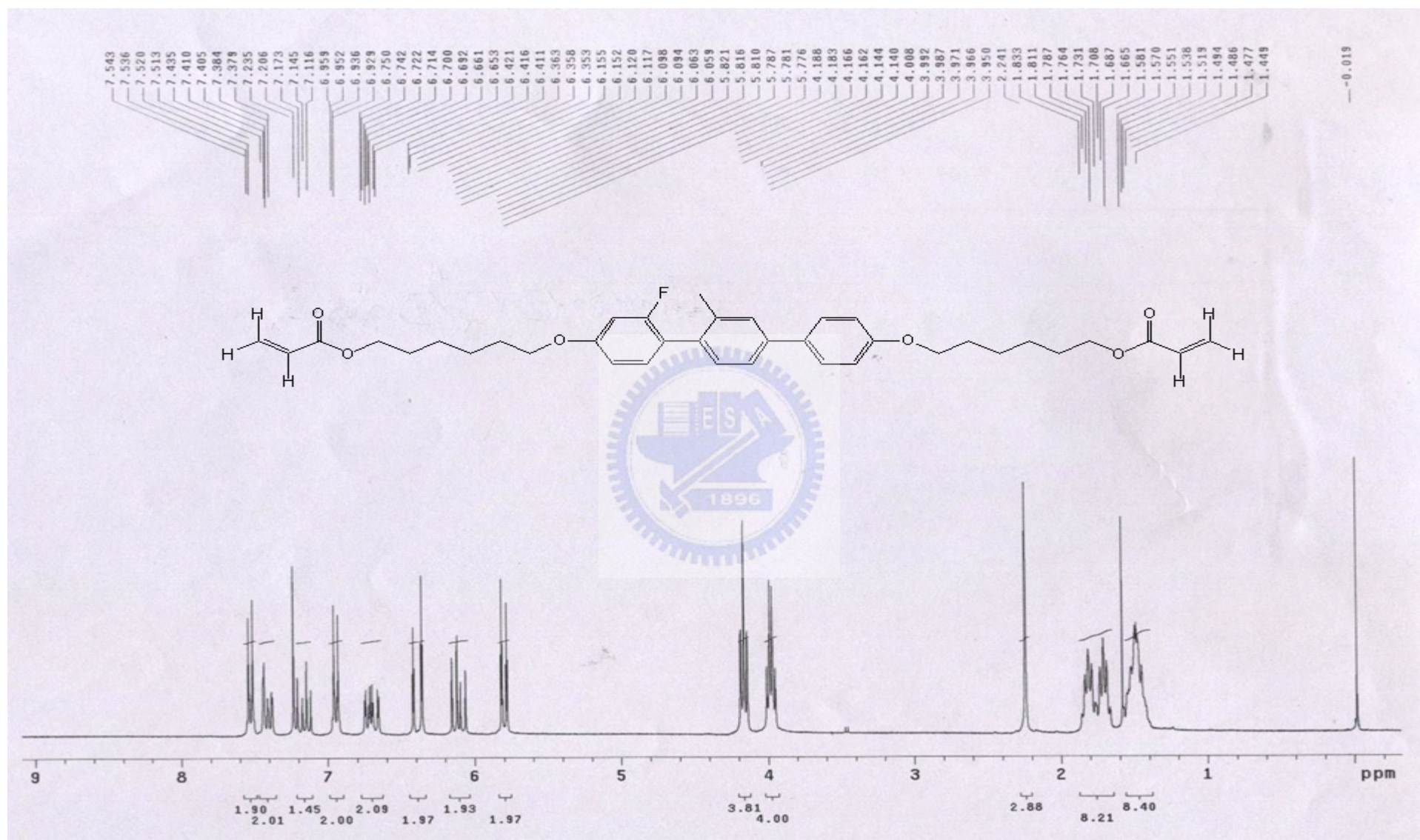
附圖 2. BBB1Me2Me 之 <sup>1</sup>H-NMR 圖



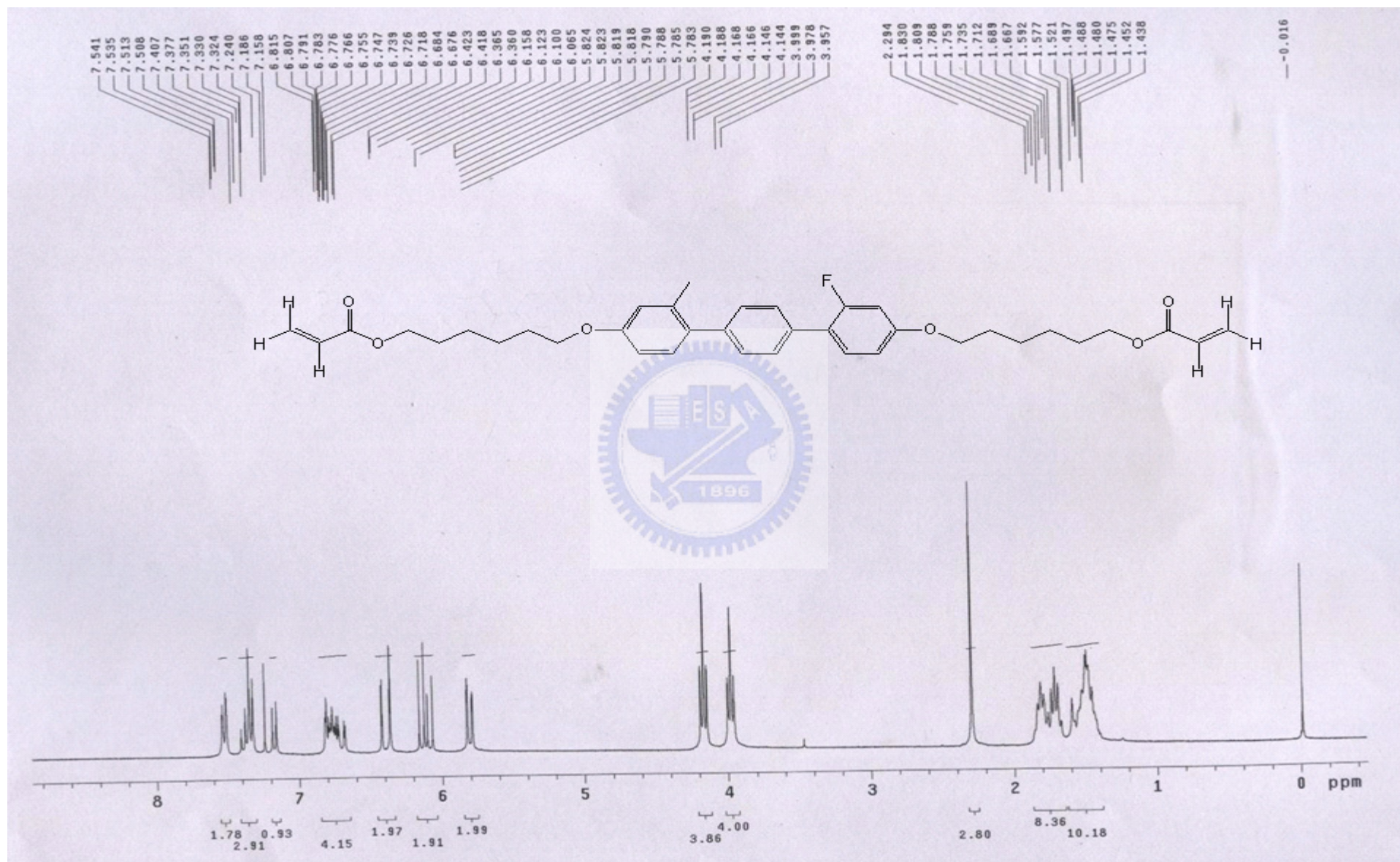
附圖 3. BBB1Me3Me 之  $^1\text{H-NMR}$  圖



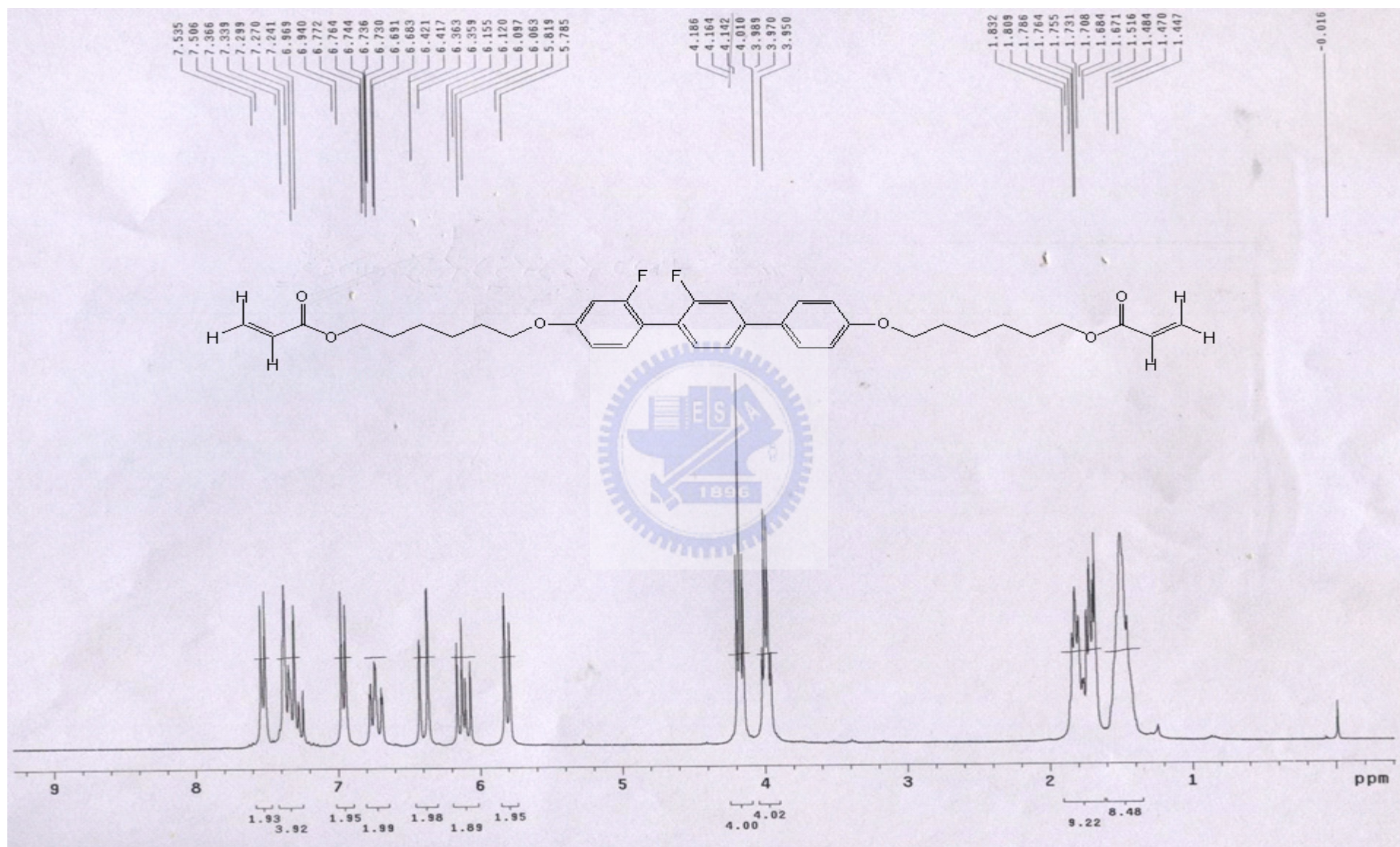
附圖 4. BBB1Me2F 之 <sup>1</sup>H-NMR 圖



附圖 5. BBB1F2Me 之 <sup>1</sup>H-NMR 圖

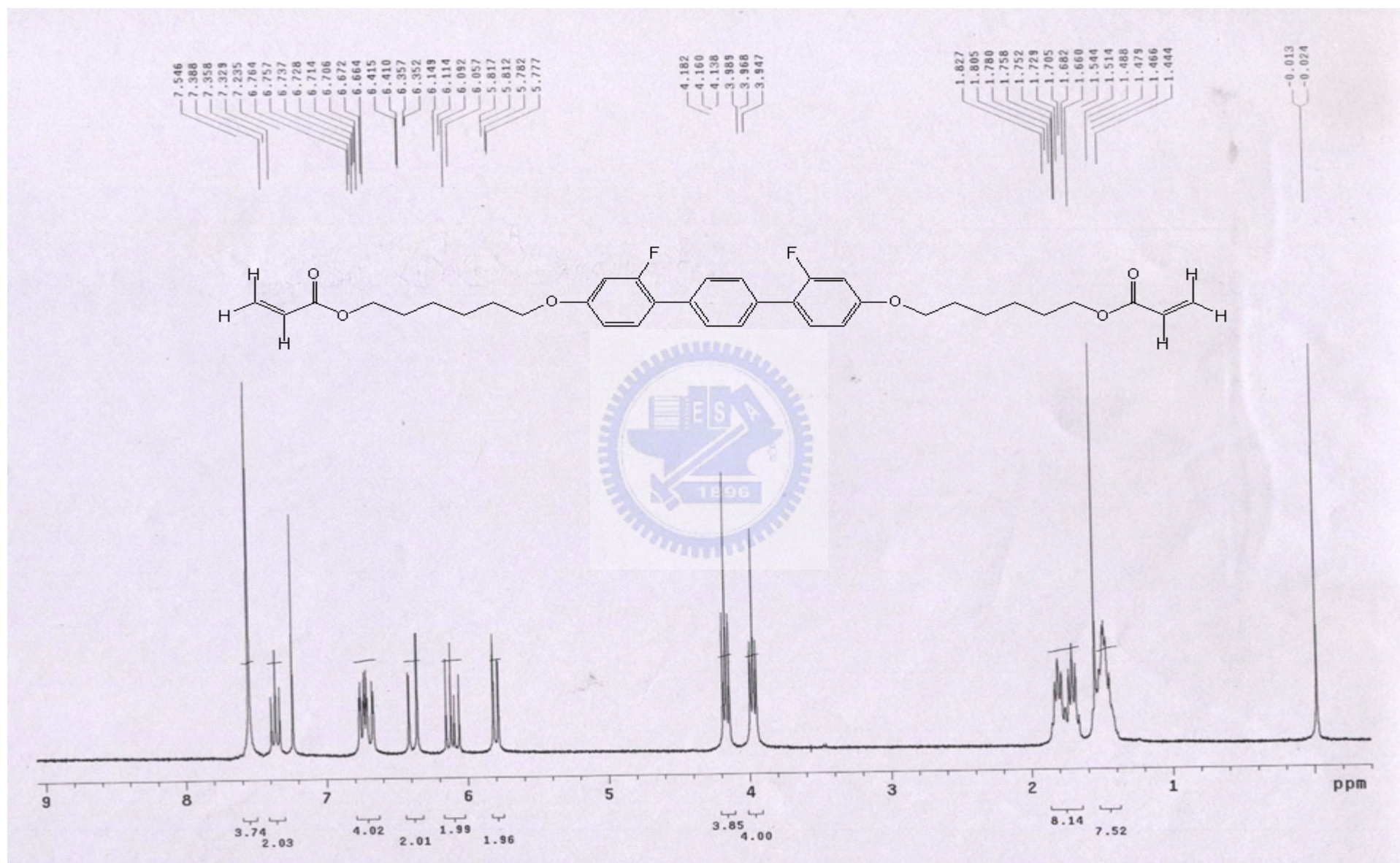


附圖 6. BBB1Me3F 之 <sup>1</sup>H-NMR 圖

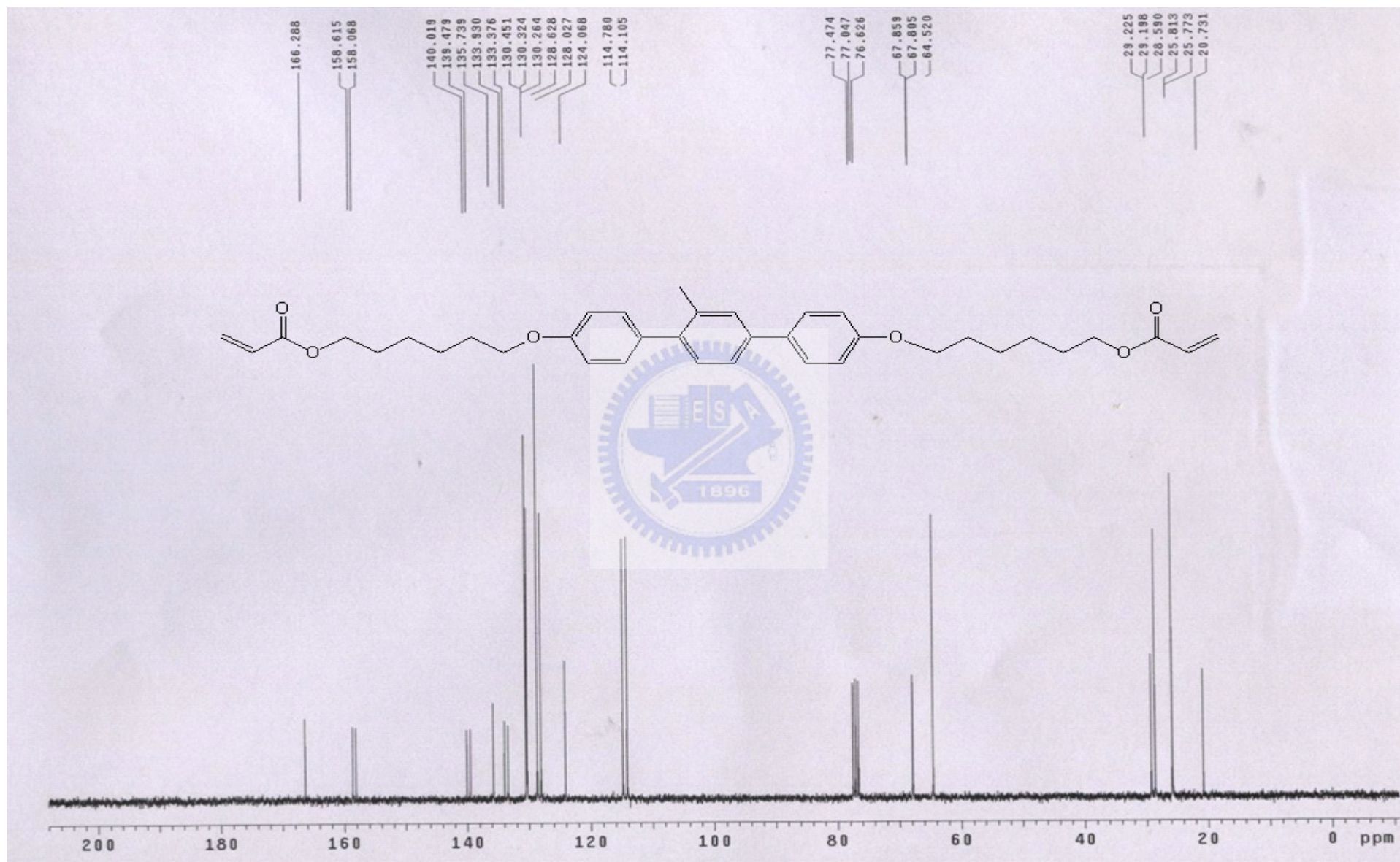


附圖 7. BBB1F2F 之 <sup>1</sup>H-NMR 圖

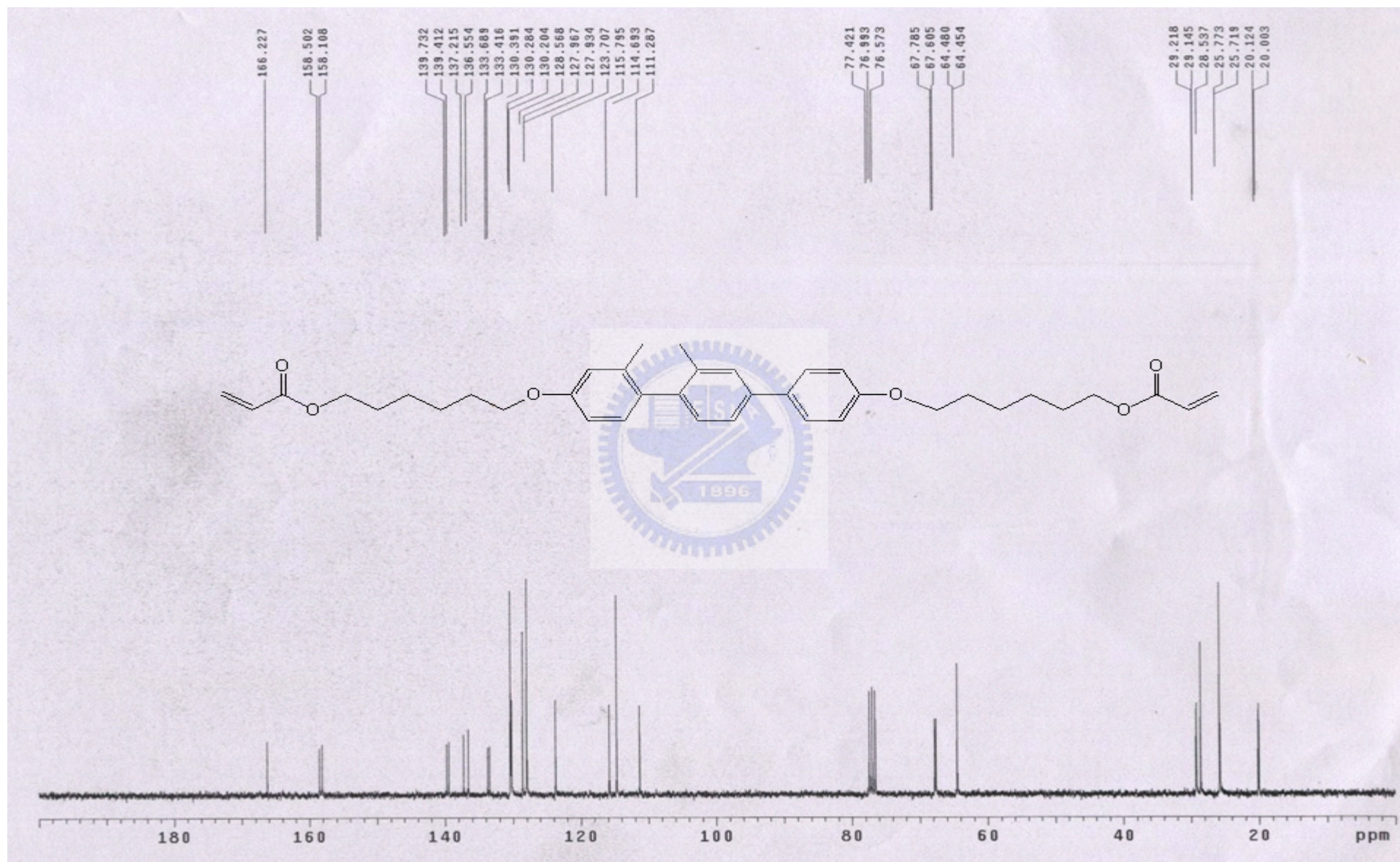




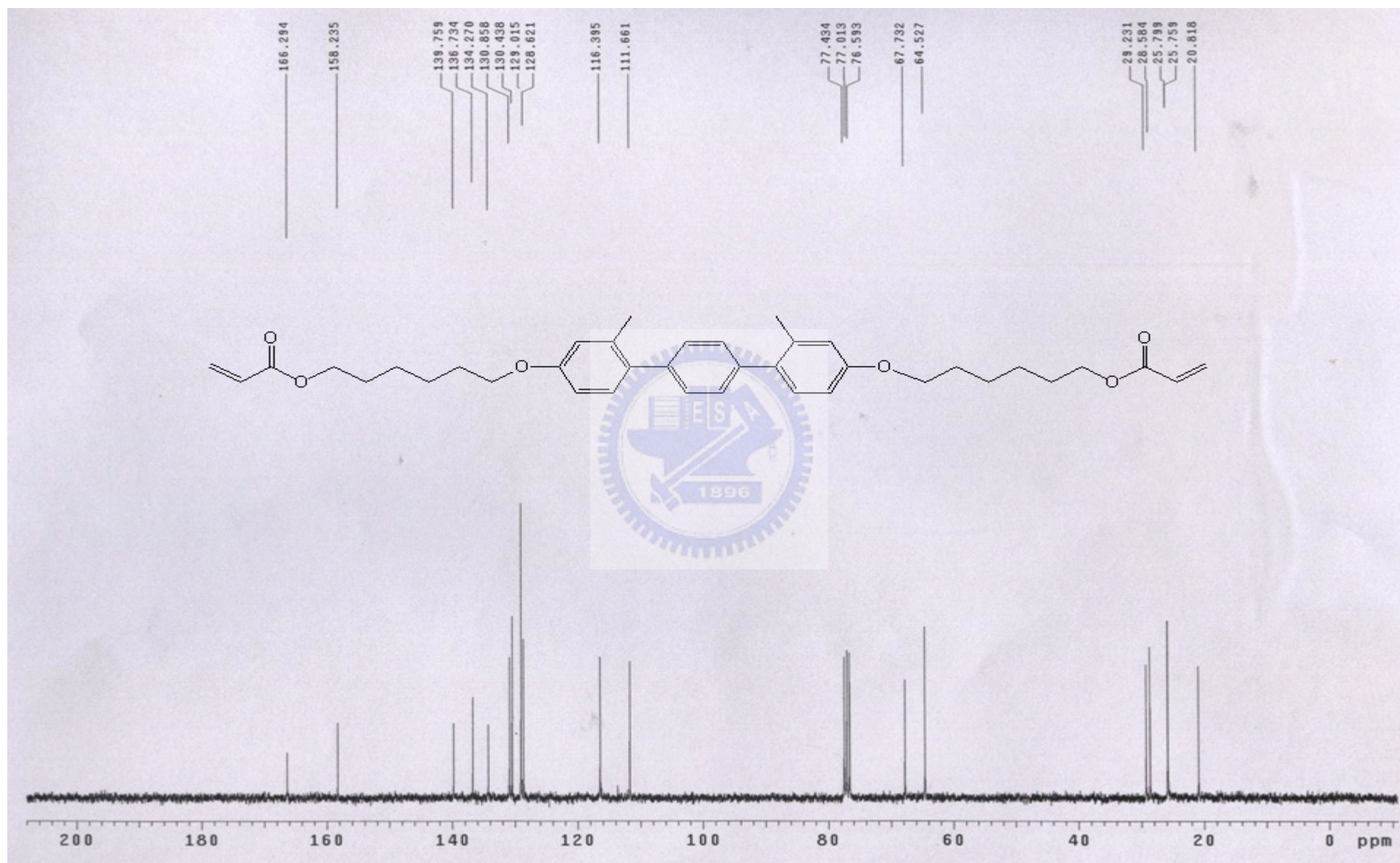
附圖 8. BBB1F3F 之 <sup>1</sup>H-NMR 圖



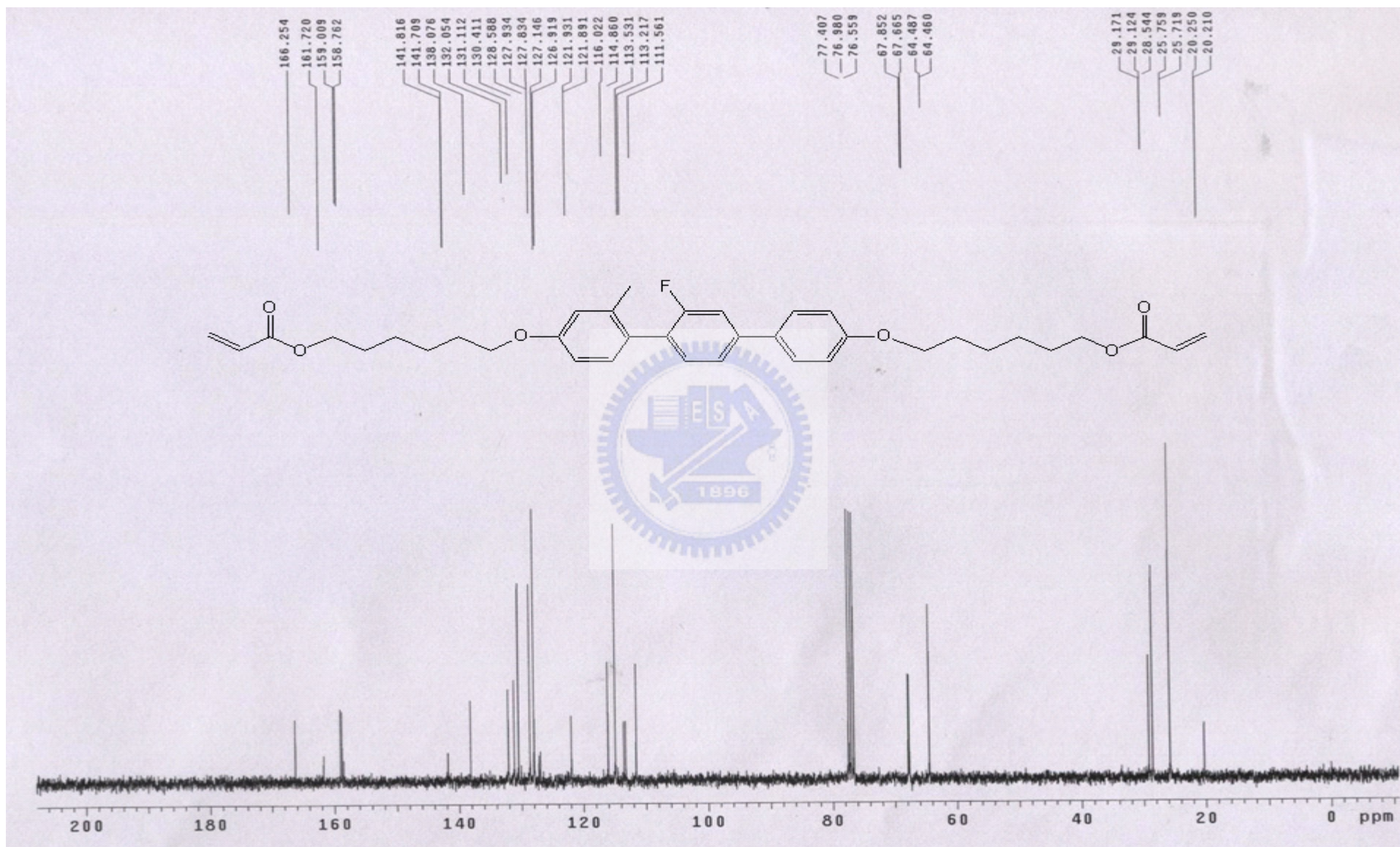
附圖 9. BBB2Me 之  $^{13}\text{C}$ -NMR 圖



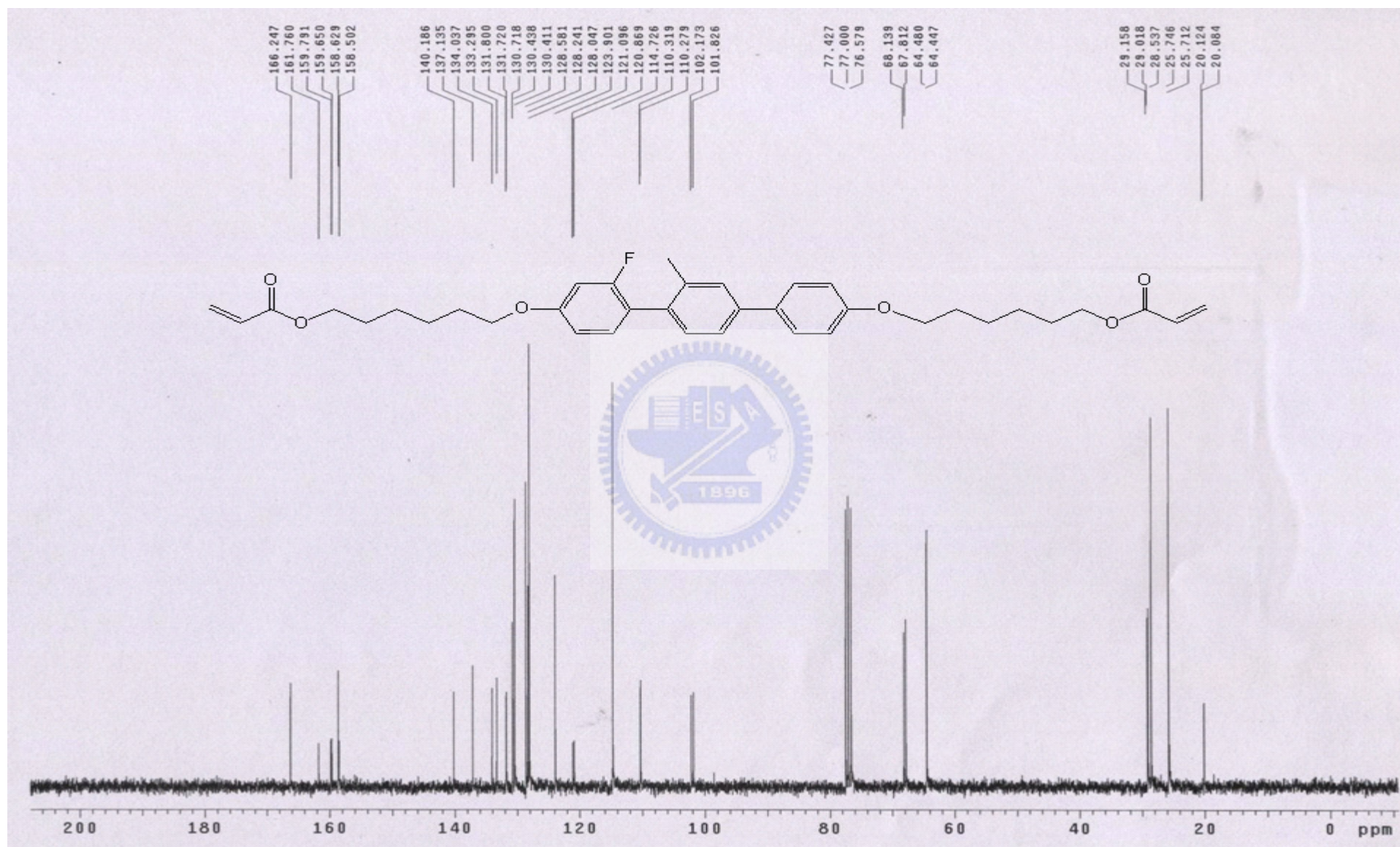
附圖 10. BBB1Me2Me 之  $^{13}\text{C}$ -NMR 圖



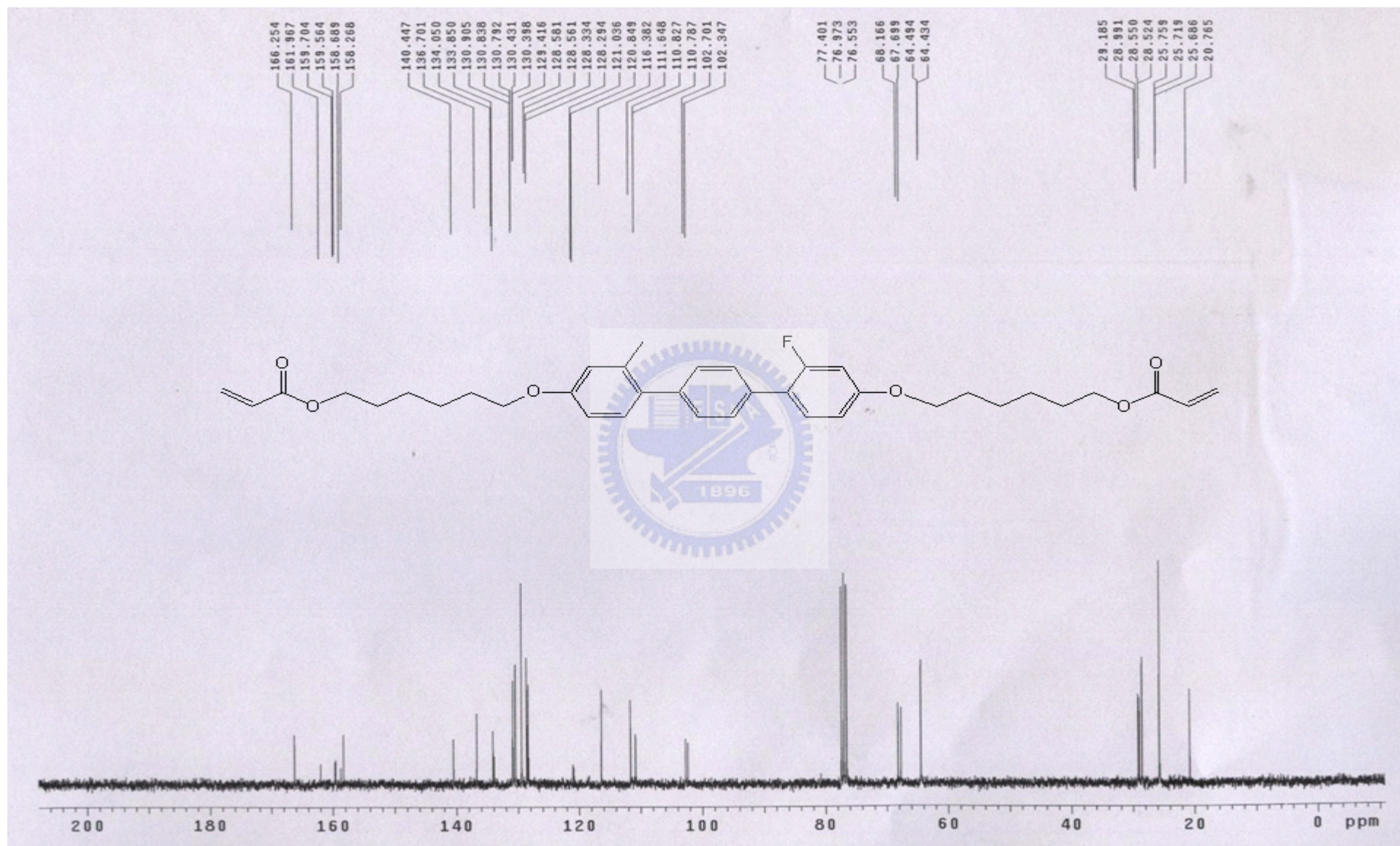
附圖 11. BBB1Me3Me 之  $^{13}\text{C}$ -NMR 圖



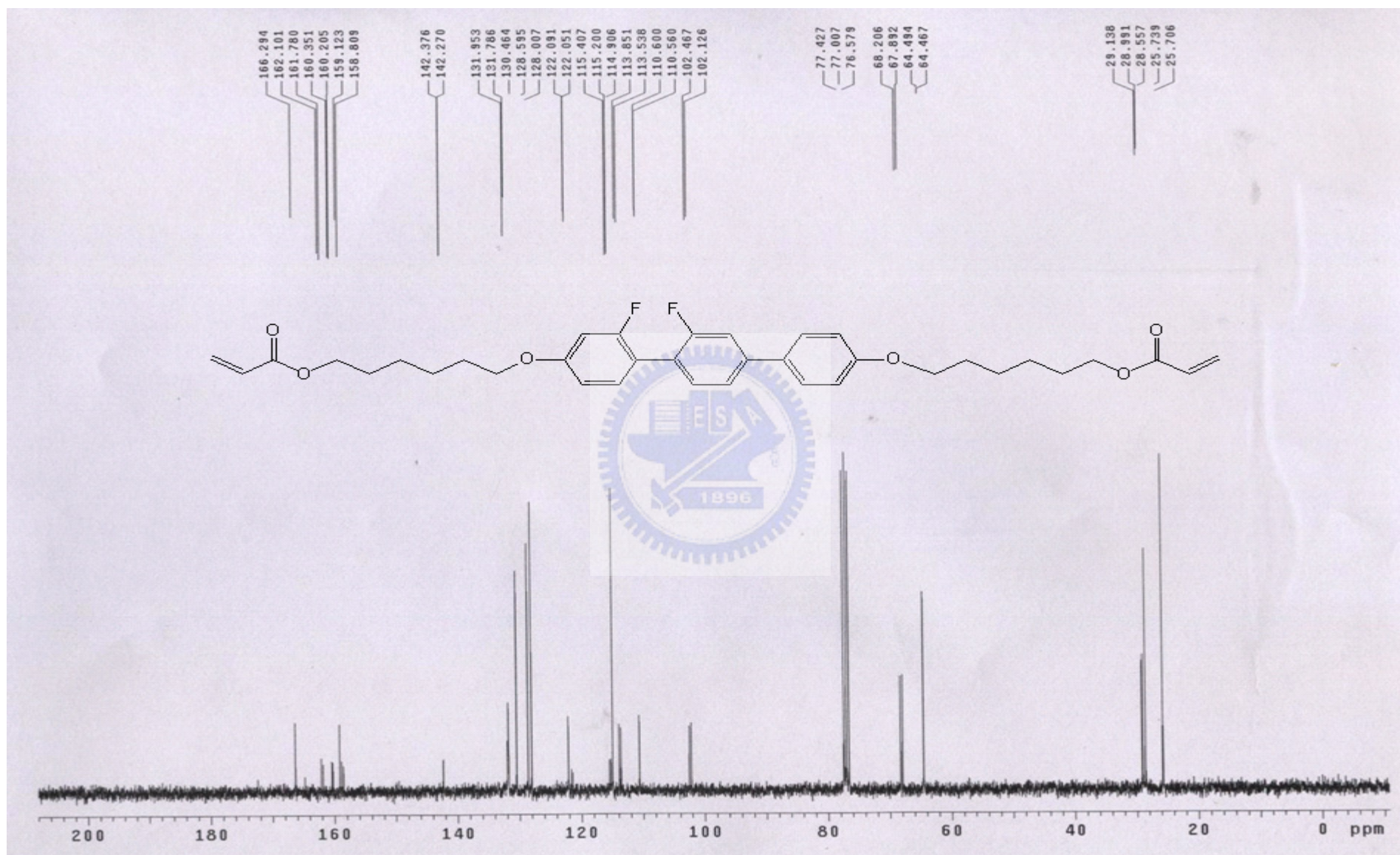
附圖 12. BBB1Me2F 之  $^{13}\text{C}$ -NMR 圖



附圖 13. BBB1F2Me 之  $^{13}\text{C}$ -NMR 圖

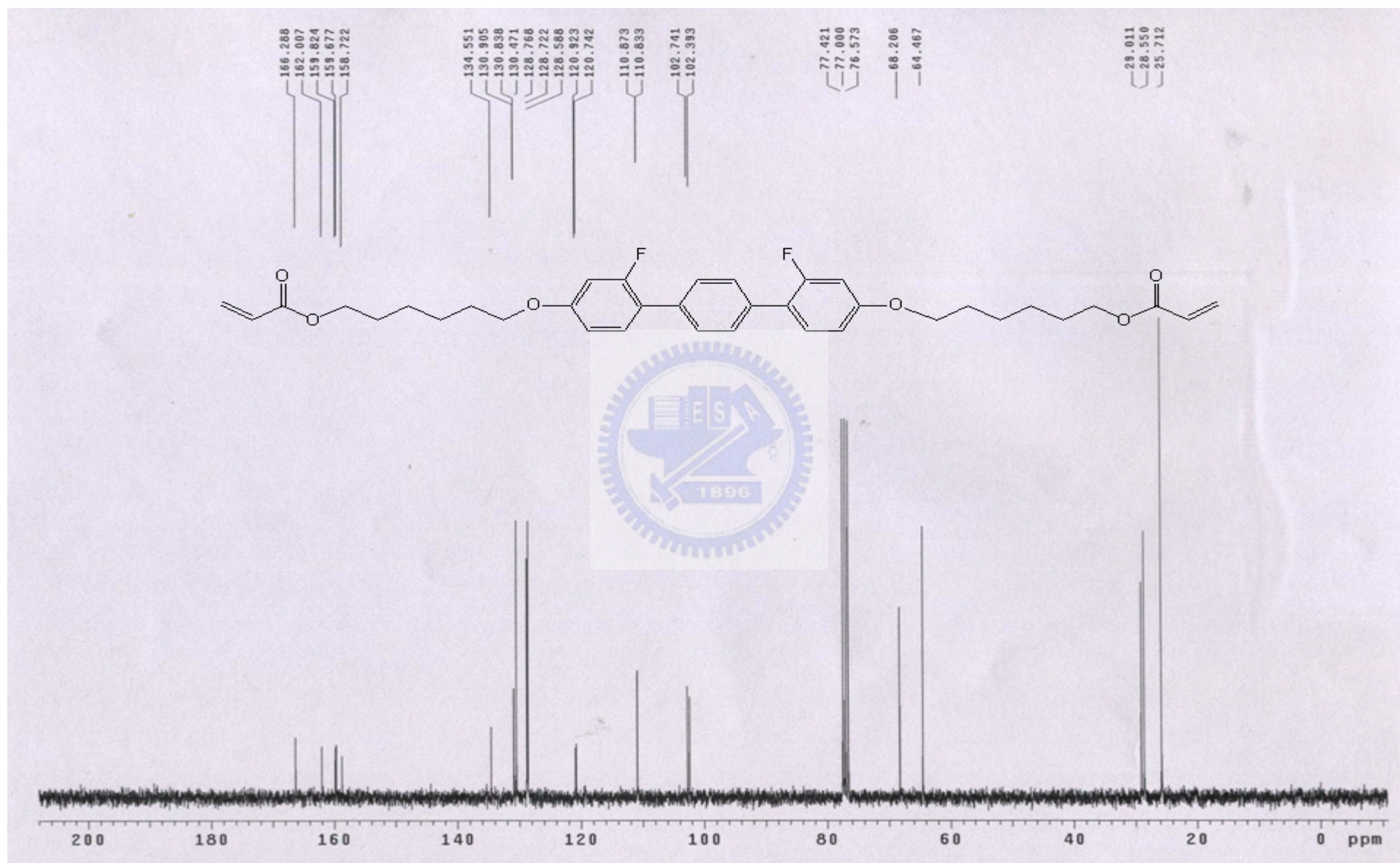


附圖 14. BBB1Me3F 之 <sup>13</sup>C-NMR 圖



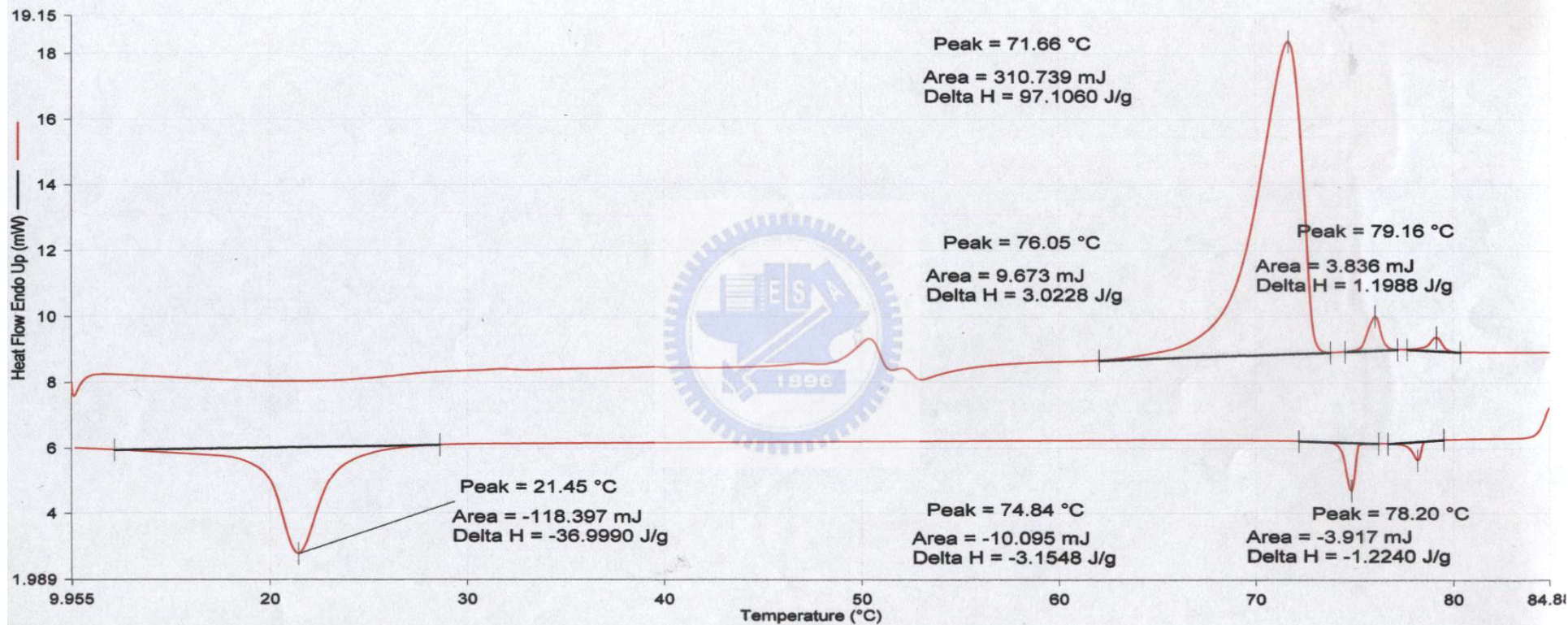
附圖 15. BBB1F2F 之  $^{13}\text{C}$ -NMR 圖





附圖 16. BBB1F3F 之  $^{13}\text{C}$ -NMR 圖

Filename: D:\55376\jingle\ok\2Me.pdid  
 Operator ID:  
 Sample ID: 2Me  
 Sample Weight: 3.200 mg  
 Comment:

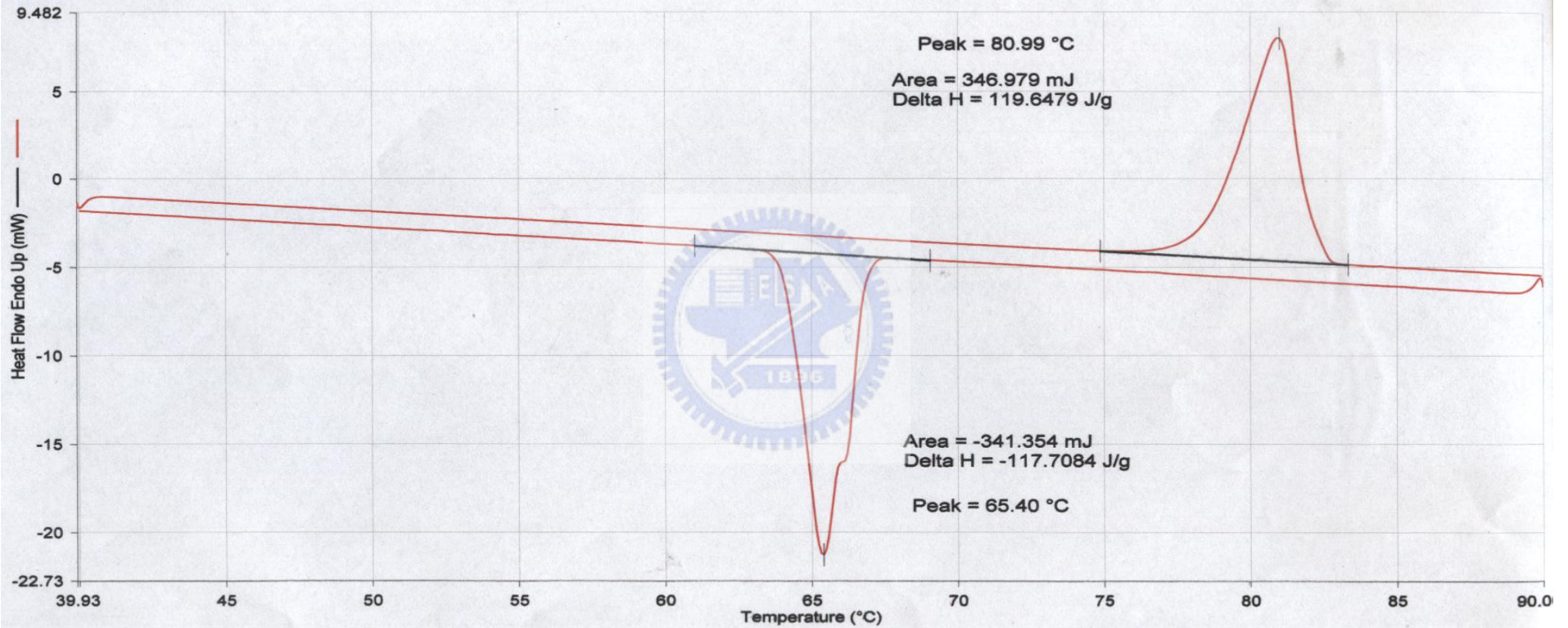


2005/5/15 下午 10:13:13

- |   |  |
|---|--|
| 1) Hold for 1.0 min at 10.00°C                | 7) Hold for 1.0 min at 85.00°C                 |
| 2) Heat from 10.00°C to 85.00°C at 5.00°C/min | 8) Cool from 85.00°C to 10.00°C at 5.00°C/min  |
| 3) Hold for 1.0 min at 85.00°C                | 9) Hold for 1.0 min at 10.00°C                 |
| 4) Cool from 85.00°C to 10.00°C at 5.00°C/min | 10) Heat from 10.00°C to 85.00°C at 5.00°C/min |
| 5) Hold for 1.0 min at 10.00°C                | 11) Hold for 1.0 min at 85.00°C                |
| 6) Heat from 10.00°C to 85.00°C at 5.00°C/min | 12) Cool from 85.00°C to 10.00°C at 5.00°C/min |

附圖 17 BBB2Me 之 DSC 圖

Filename: D:\55376\jingle\ok\1Me3Me0514.pdid  
Operator ID:  
Sample ID: 1Me3Me0514  
Sample Weight: 2.900 mg  
Comment:

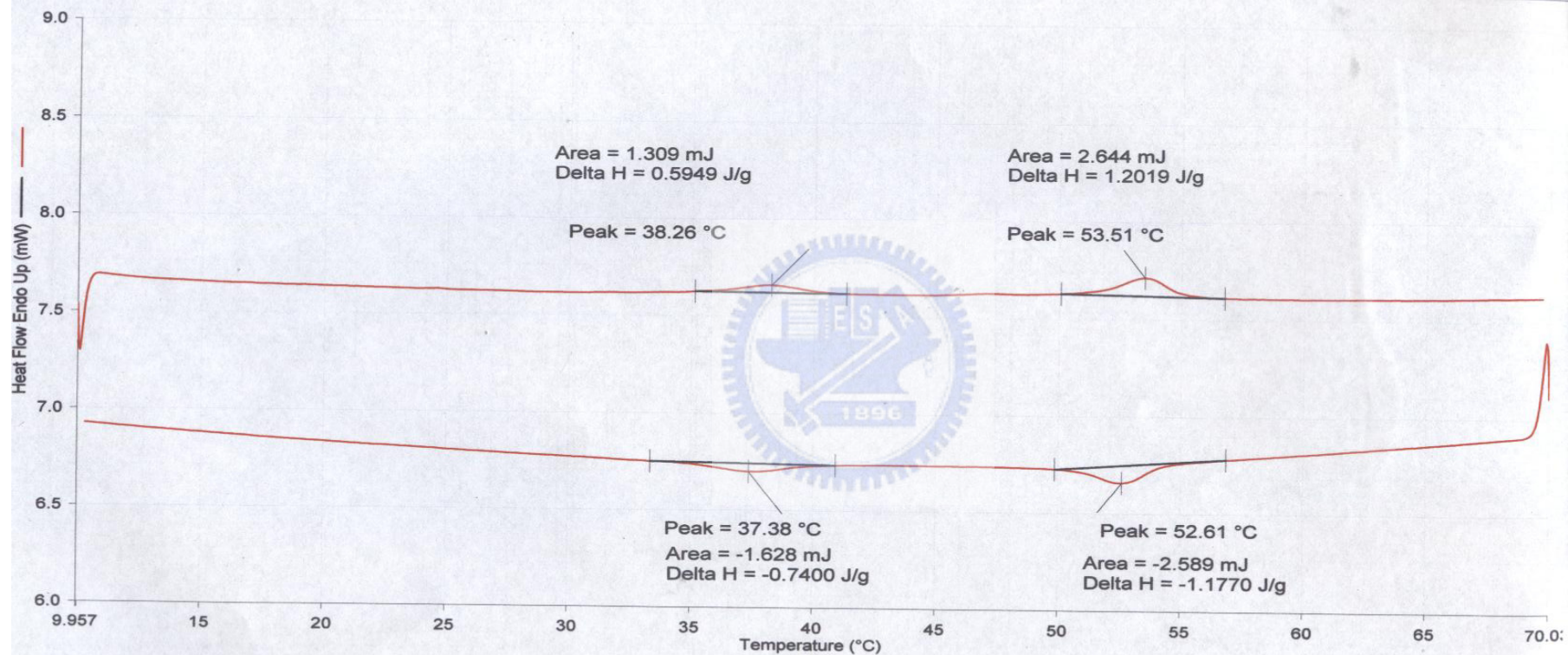


2005/5/16 上午 01:32:25

- 1) Hold for 1.0 min at 40.00°C
- 2) Heat from 40.00°C to 90.00°C at 5.00°C/min
- 3) Hold for 1.0 min at 90.00°C
- 4) Cool from 90.00°C to 40.00°C at 5.00°C/min
- 5) Hold for 1.0 min at 40.00°C
- 6) Heat from 40.00°C to 90.00°C at 5.00°C/min
- 7) Hold for 1.0 min at 90.00°C
- 8) Cool from 90.00°C to 40.00°C at 5.00°C/min
- 9) Hold for 1.0 min at 40.00°C
- 10) Heat from 40.00°C to 90.00°C at 5.00°C/min
- 11) Hold for 1.0 min at 90.00°C
- 12) Cool from 90.00°C to 40.00°C at 5.00°C/min

附圖 18 BBB1Me3Me 之 DSC 圖

Filename: D:\55376wei\1Me2F0527.pdid  
 Operator ID:  
 Sample ID: 1Me2F0527  
 Sample Weight: 2.200 mg  
 Comment:

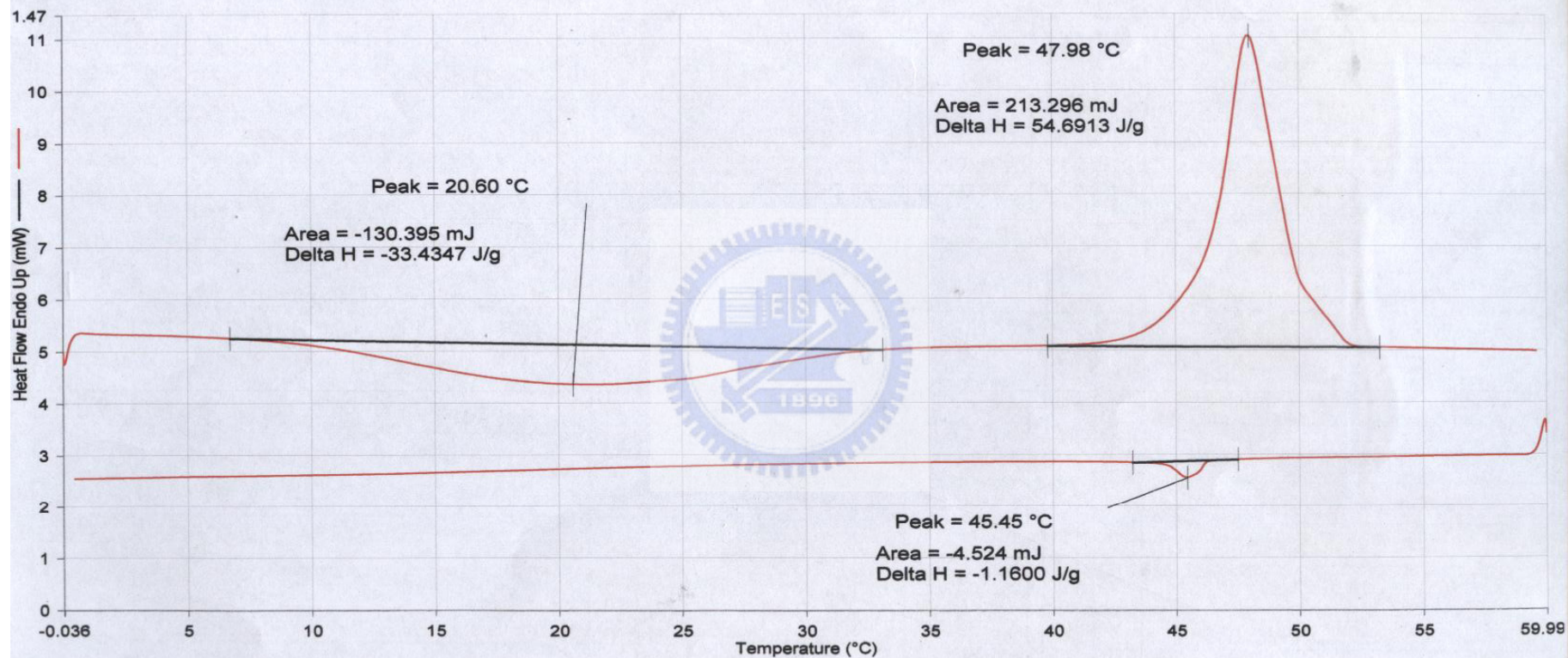


2005/5/28 上午 12:11:26

- 1) Hold for 1.0 min at 10.00°C
- 2) Heat from 10.00°C to 70.00°C at 5.00°C/min
- 3) Hold for 1.0 min at 70.00°C
- 4) Cool from 70.00°C to 10.00°C at 5.00°C/min
- 5) Hold for 1.0 min at 10.00°C
- 6) Heat from 10.00°C to 70.00°C at 5.00°C/min
- 7) Hold for 1.0 min at 70.00°C
- 8) Cool from 70.00°C to 10.00°C at 5.00°C/min
- 9) Hold for 1.0 min at 10.00°C
- 10) Heat from 10.00°C to 70.00°C at 5.00°C/min
- 11) Hold for 1.0 min at 70.00°C
- 12) Cool from 70.00°C to 10.00°C at 5.00°C/min

附圖 19 BBB1Me2F 之 DSC 圖

Filename: d:\55376\jingle\ok\1f2me0519.pdid  
 Operator ID:  
 Sample ID: 1F2Me0519  
 Sample Weight: 3.900 mg  
 Comment:

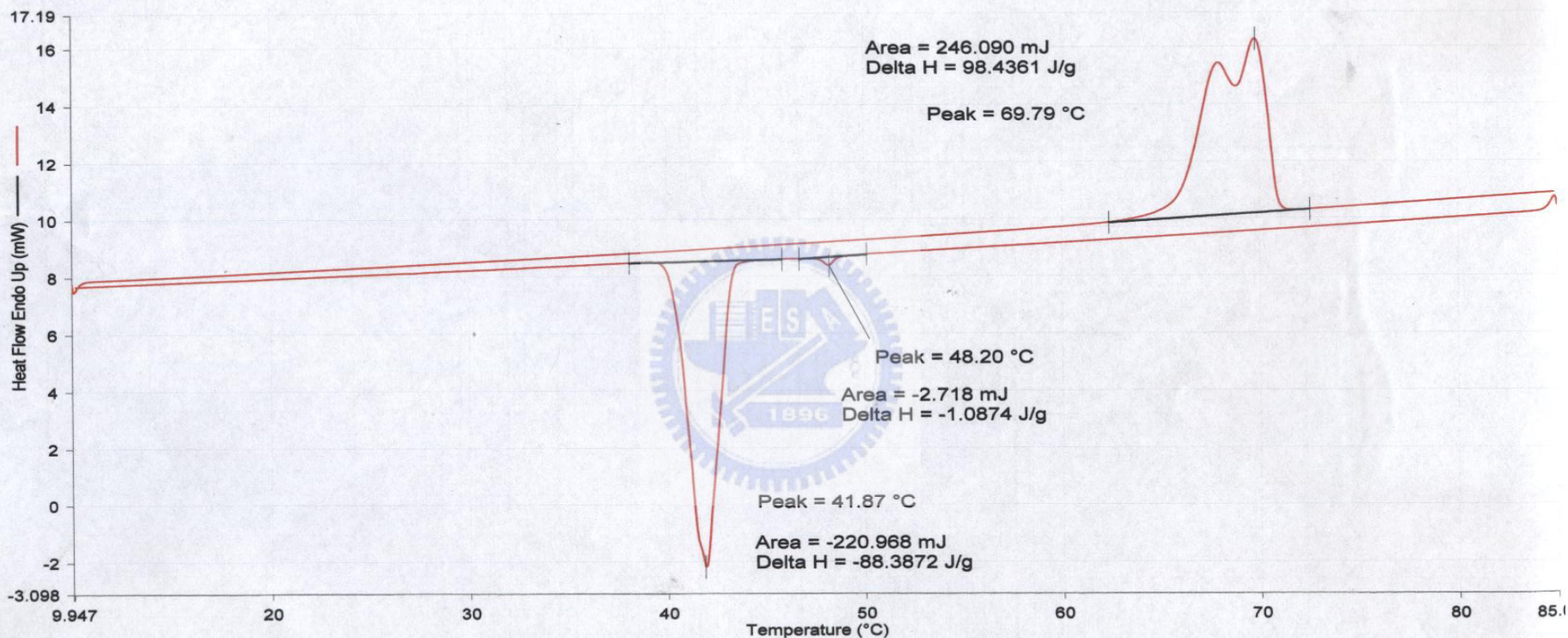


2005/5/19 下午 08:34:34

- |  |   |
|--|---|
| 1) Hold for 1.0 min at 0.00°C                | 7) Hold for 1.0 min at 60.00°C                |
| 2) Heat from 0.00°C to 60.00°C at 5.00°C/min | 8) Cool from 60.00°C to 0.00°C at 5.00°C/min  |
| 3) Hold for 1.0 min at 60.00°C               | 9) Hold for 1.0 min at 0.00°C                 |
| 4) Cool from 60.00°C to 0.00°C at 5.00°C/min | 10) Heat from 0.00°C to 60.00°C at 5.00°C/min |
| 5) Hold for 1.0 min at 0.00°C                | 11) Hold for 1.0 min at 60.00°C               |
| 6) Heat from 0.00°C to 60.00°C at 5.00°C/min | 12) Cool from 60.00°C to 0.00°C at 5.00°C/min |

附圖 20 BBB1F2Me 之 DSC 圖

Filename: D:\55376\jingle\ok\1Me3F0528.pdid  
Operator ID:  
Sample ID: 1Me3F0528  
Sample Weight: 2.500 mg  
Comment:

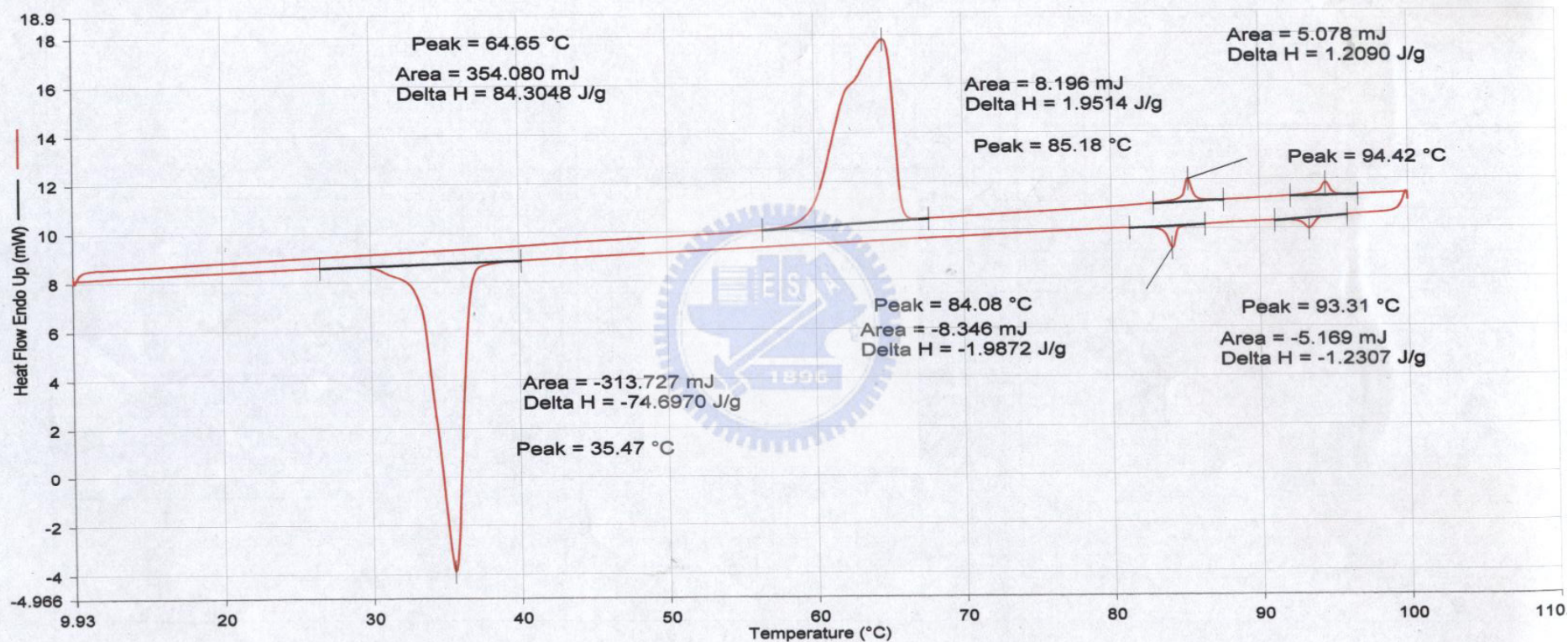


2005/5/28 上午 01:44:08

- 1) Hold for 1.0 min at 10.00°C
- 2) Heat from 10.00°C to 85.00°C at 5.00°C/min
- 3) Hold for 1.0 min at 85.00°C
- 4) Cool from 85.00°C to 10.00°C at 5.00°C/min
- 5) Hold for 1.0 min at 10.00°C
- 6) Heat from 10.00°C to 85.00°C at 5.00°C/min
- 7) Hold for 1.0 min at 85.00°C
- 8) Cool from 85.00°C to 10.00°C at 5.00°C/min
- 9) Hold for 1.0 min at 10.00°C
- 10) Heat from 10.00°C to 85.00°C at 5.00°C/min
- 11) Hold for 1.0 min at 85.00°C
- 12) Cool from 85.00°C to 10.00°C at 5.00°C/min

附圖 21 BBB1Me3F 之 DSC 圖

Filename: D:\55376\jingle\ok\1F2F0523.pdtd  
 Operator ID:  
 Sample ID: 1F2F0523  
 Sample Weight: 4.200 mg  
 Comment:



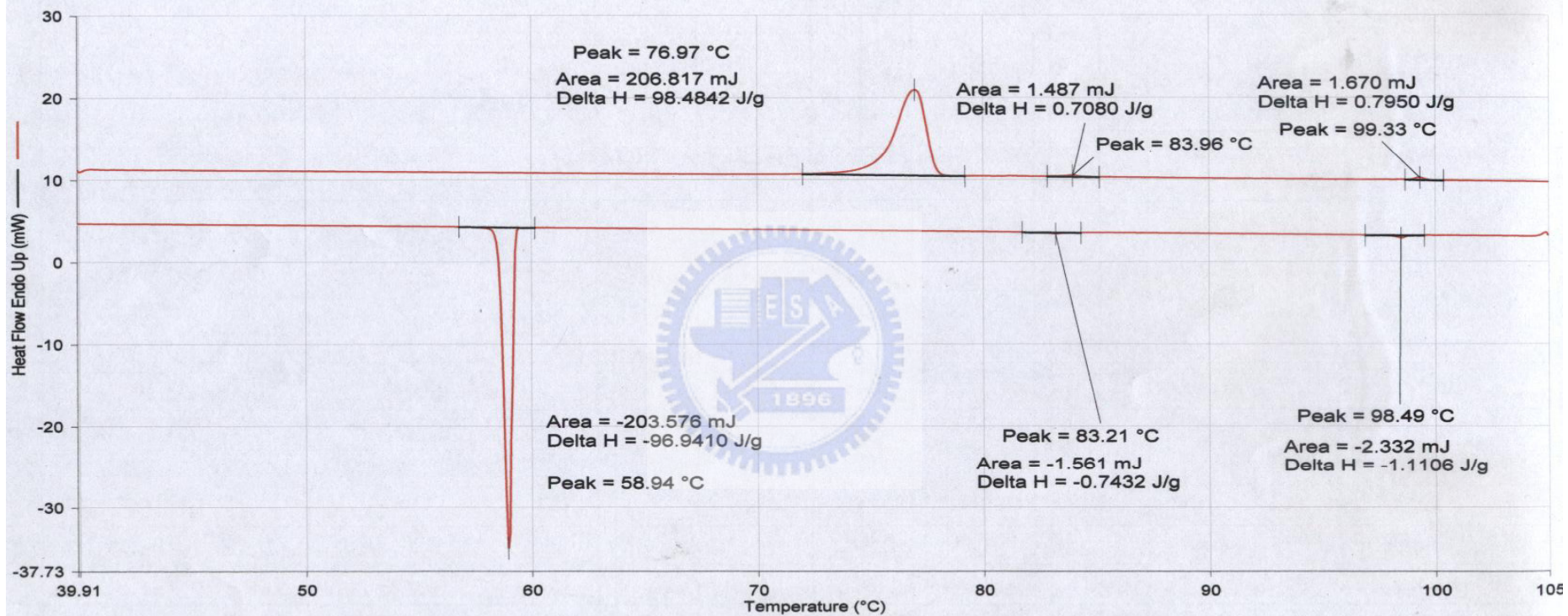
2005/5/25 下午 02:55:46

- 1) Hold for 1.0 min at 10.00°C
- 2) Heat from 10.00°C to 100.00°C at 5.00°C/min
- 3) Hold for 1.0 min at 100.00°C
- 4) Cool from 100.00°C to 10.00°C at 5.00°C/min
- 5) Hold for 1.0 min at 10.00°C
- 6) Heat from 10.00°C to 100.00°C at 5.00°C/min

- 7) Hold for 1.0 min at 100.00°C
- 8) Cool from 100.00°C to 10.00°C at 5.00°C/min
- 9) Hold for 1.0 min at 10.00°C
- 10) Heat from 10.00°C to 100.00°C at 5.00°C/min
- 11) Hold for 1.0 min at 100.00°C
- 12) Cool from 100.00°C to 10.00°C at 5.00°C/min

附圖 22 BBB1F2F 之 DSC 圖

Filename: D:\55376\jing...\1F3F0519@050519230419.pdld  
 Operator ID:  
 Sample ID: 1F3F0519  
 Sample Weight: 2.100 mg  
 Comment:



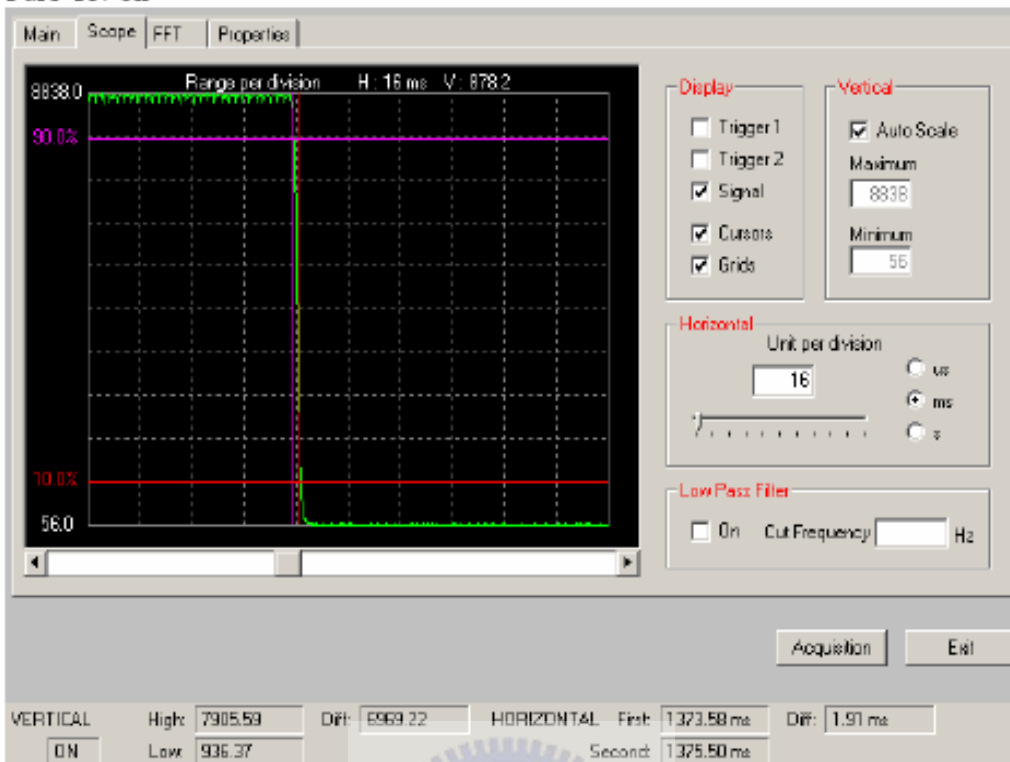
2005/5/20 上午 02:19:05

- |  |   |
|--|---|
| 1) Hold for 1.0 min at 40.00°C                 | 7) Hold for 1.0 min at 105.00°C                 |
| 2) Heat from 40.00°C to 105.00°C at 5.00°C/min | 8) Cool from 105.00°C to 40.00°C at 5.00°C/min  |
| 3) Hold for 1.0 min at 105.00°C                | 9) Hold for 1.0 min at 40.00°C                  |
| 4) Cool from 105.00°C to 40.00°C at 5.00°C/min | 10) Heat from 40.00°C to 105.00°C at 5.00°C/min |
| 5) Hold for 1.0 min at 40.00°C                 | 11) Hold for 1.0 min at 105.00°C                |
| 6) Heat from 40.00°C to 105.00°C at 5.00°C/min | 12) Cool from 105.00°C to 40.00°C at 5.00°C/min |

附圖 23 BBB1F3Fe 之 DSC 圖

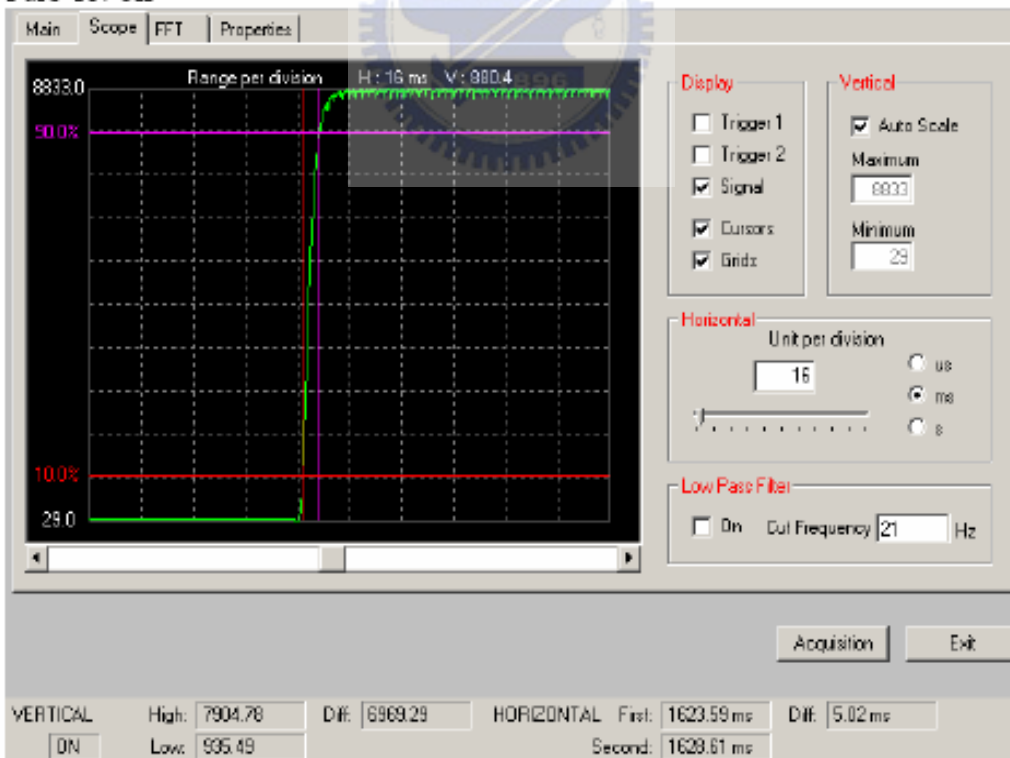


Pure-TN-on



1.91ms

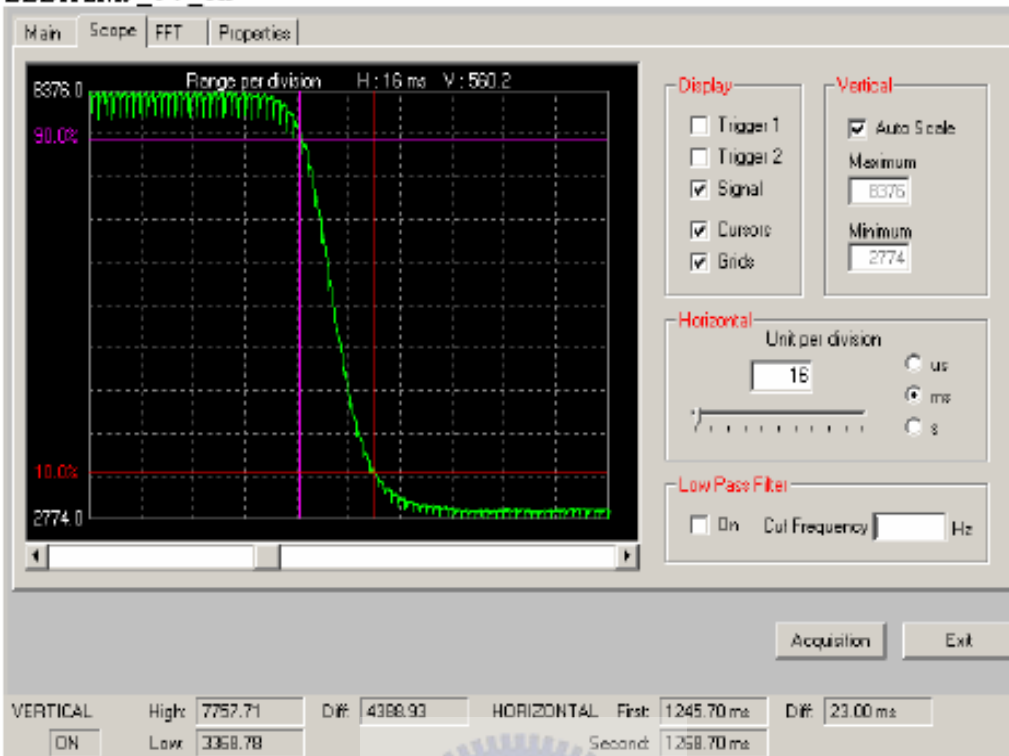
Pure-TN-off



5.02ms

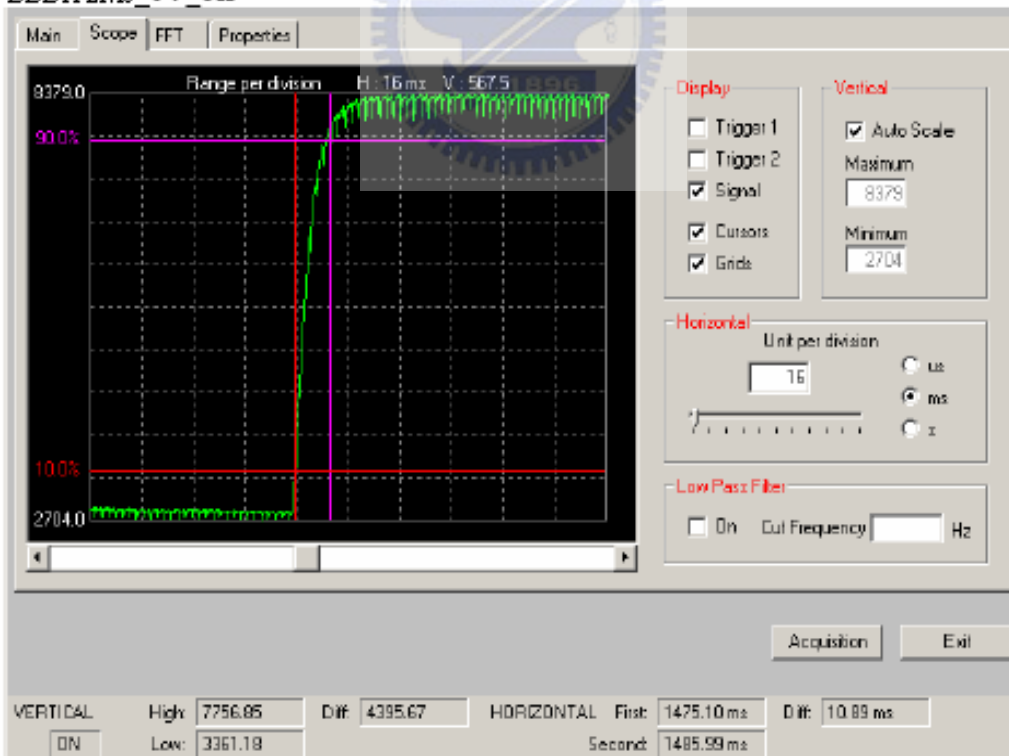
附圖 24.Pure-TN Response 圖

BBB1F2Me\_0V\_on



23ms

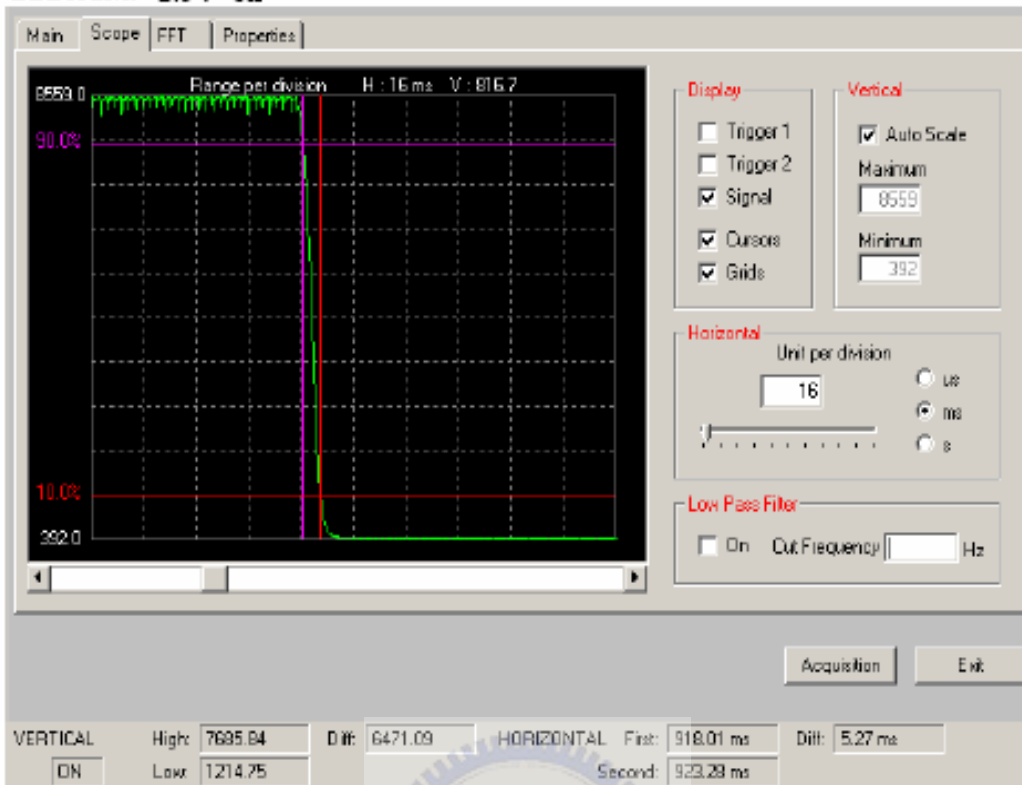
BBB1F2Me\_0V\_off



10.89ms

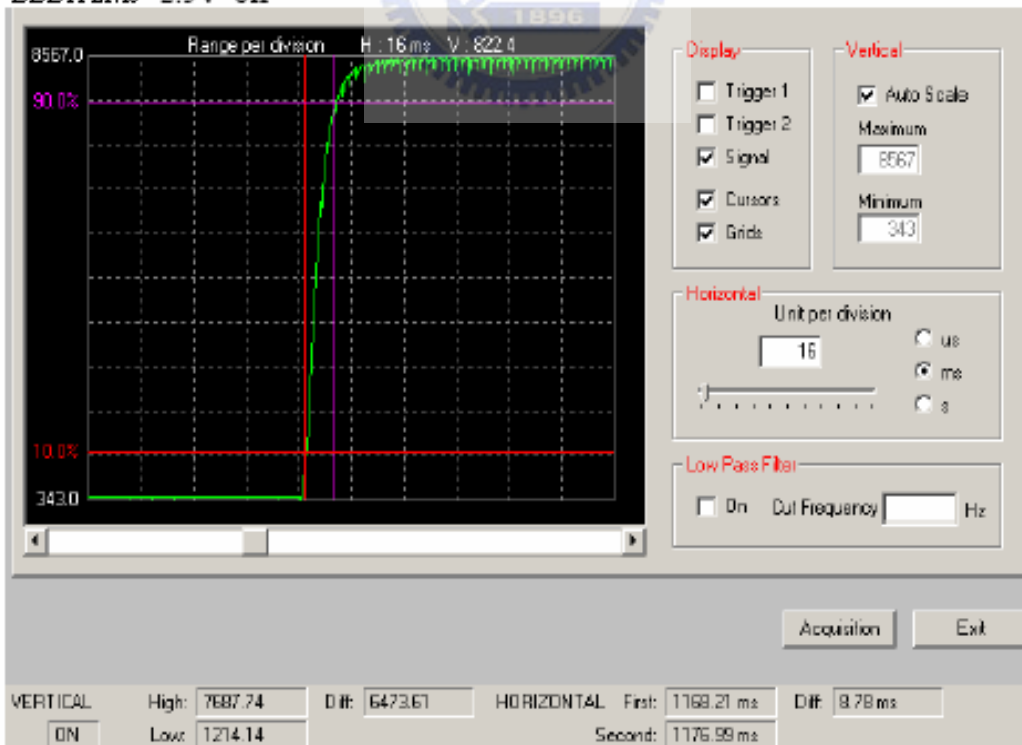
附圖 25. 0V 之 BBB1F2Me Response 圖

BBB1F2Me 2.5V on



5.27ms

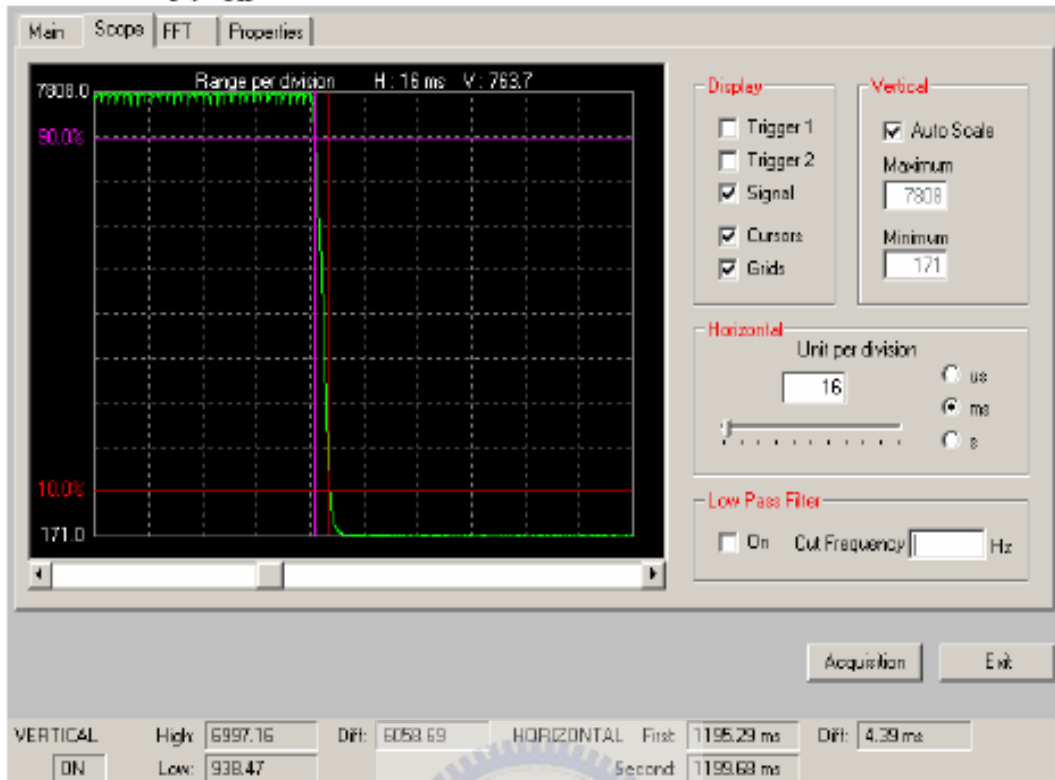
BBB1F2Me 2.5V off



8.78ms

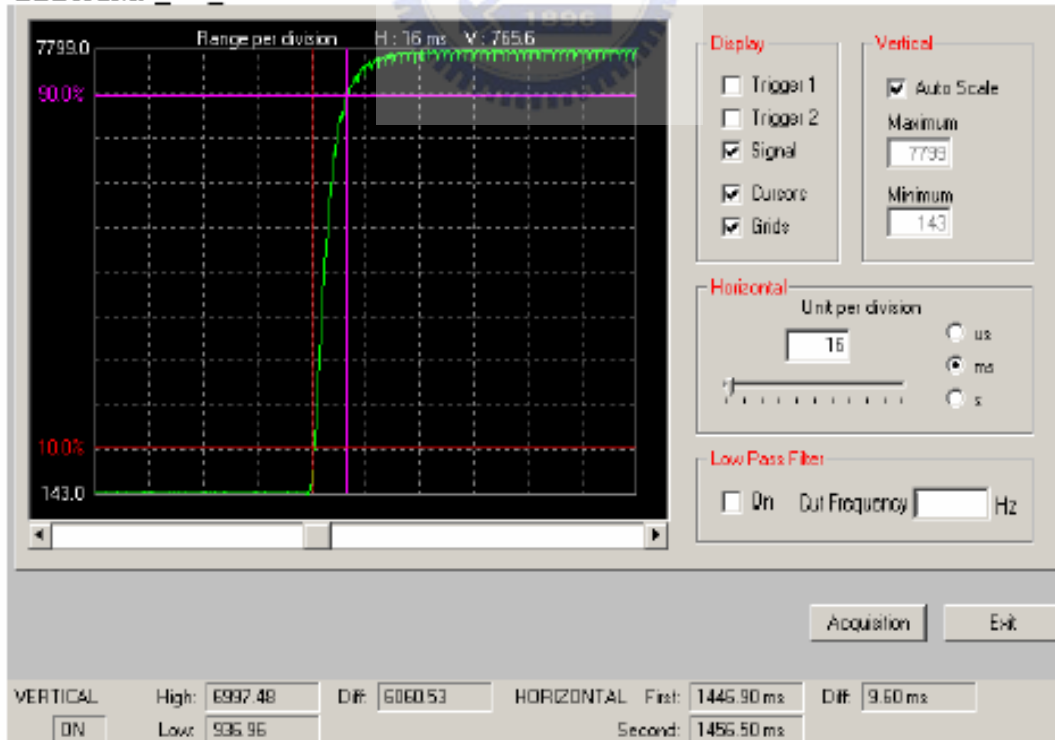
附圖 26. 2.5V 之 BBB1F2Me Response 圖

BBB1F2Me 5V on



4.39ms

BBB1F2Me\_5V\_off



9.6ms

附圖 27. 5V 之 BBB1F2Me Response 圖