

**Supplementary Material**  
**A facile and efficient method for the synthesis of**  
***N*-substituted 3-oxoisoindoline-1-carbonitrile derivatives**  
**catalyzed by sulfamic acid**

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*(Hu L.)*

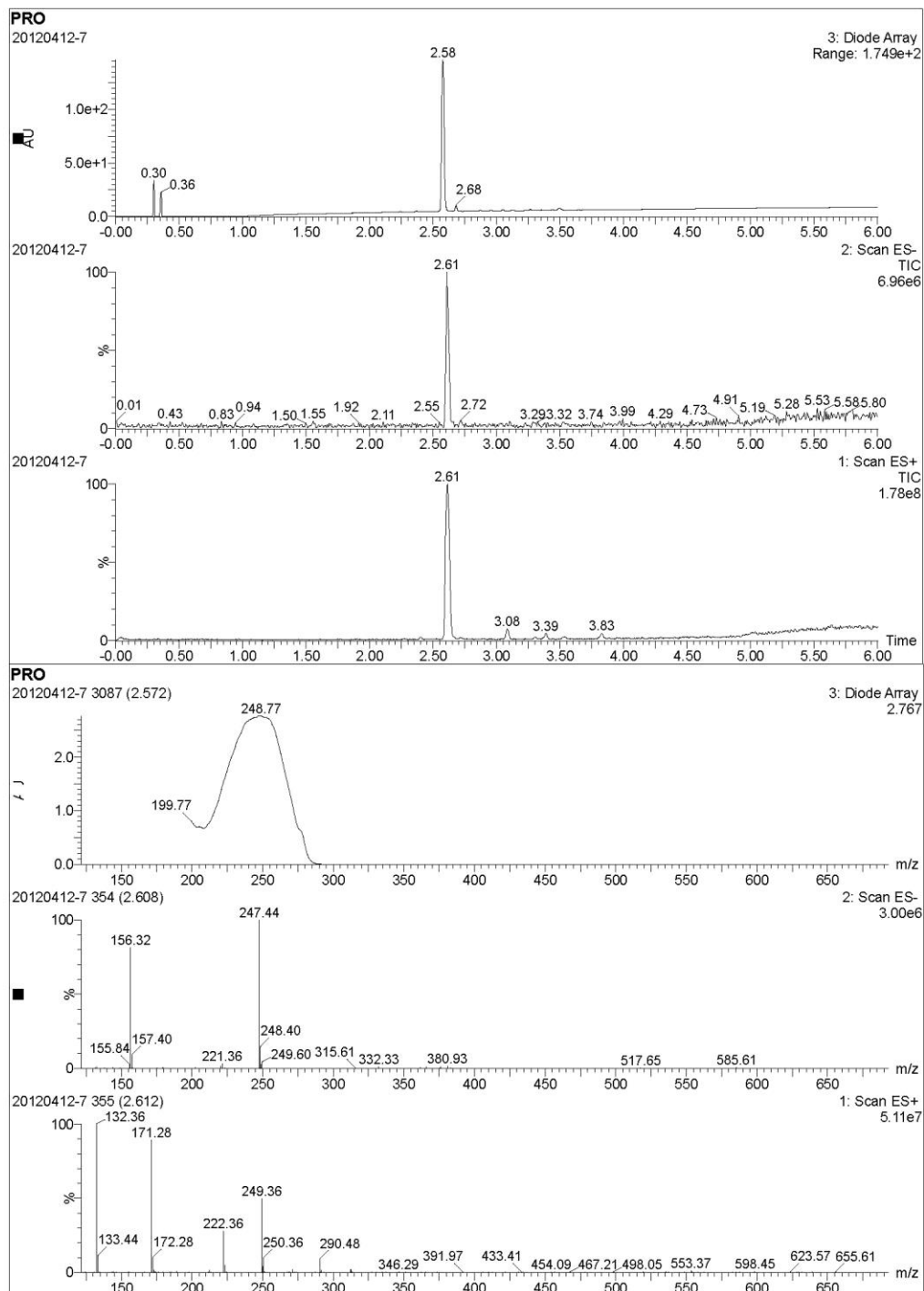
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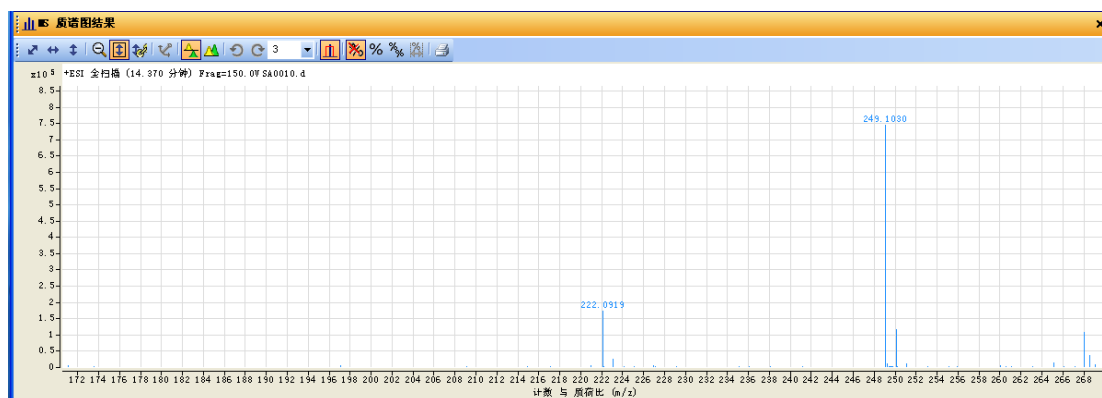
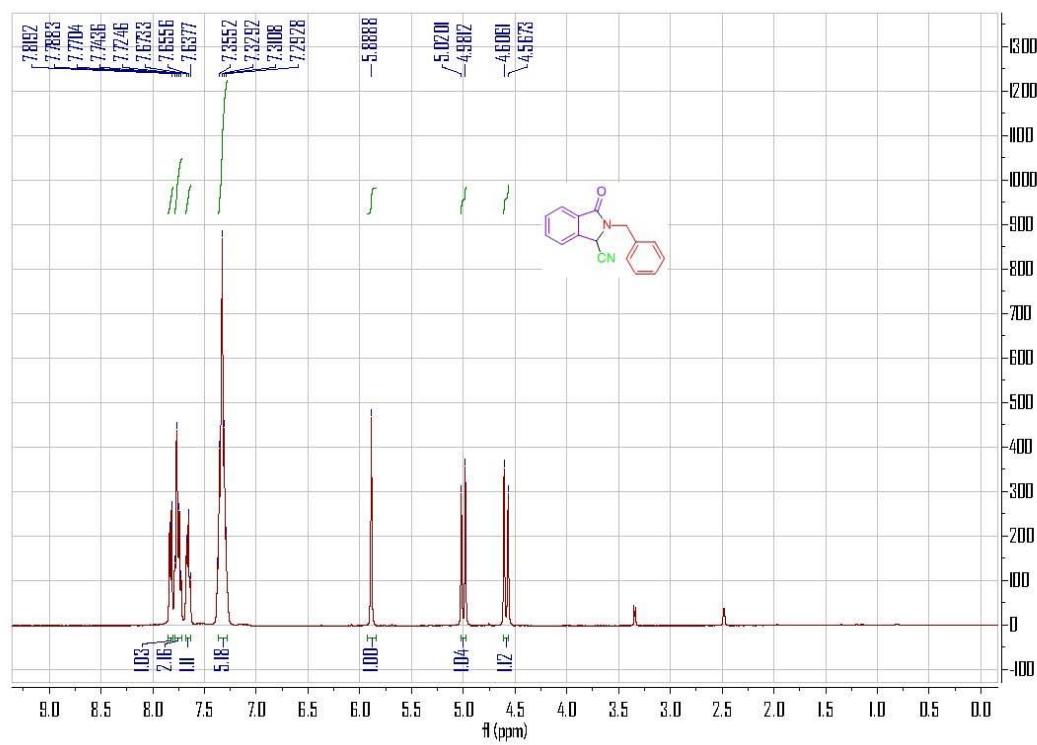
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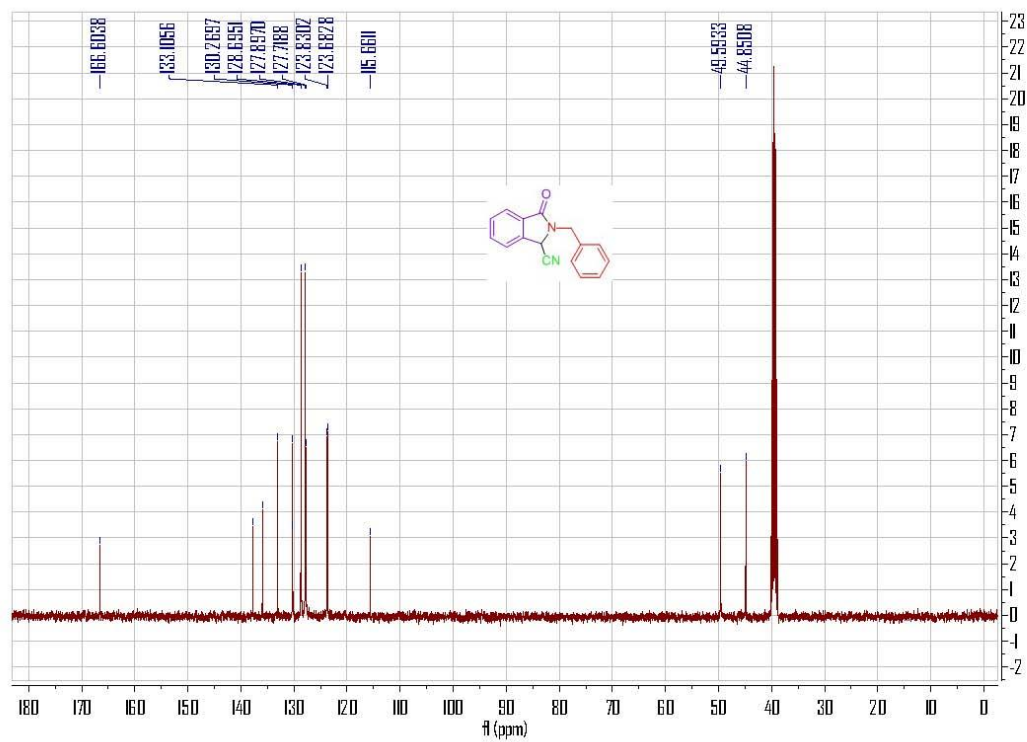
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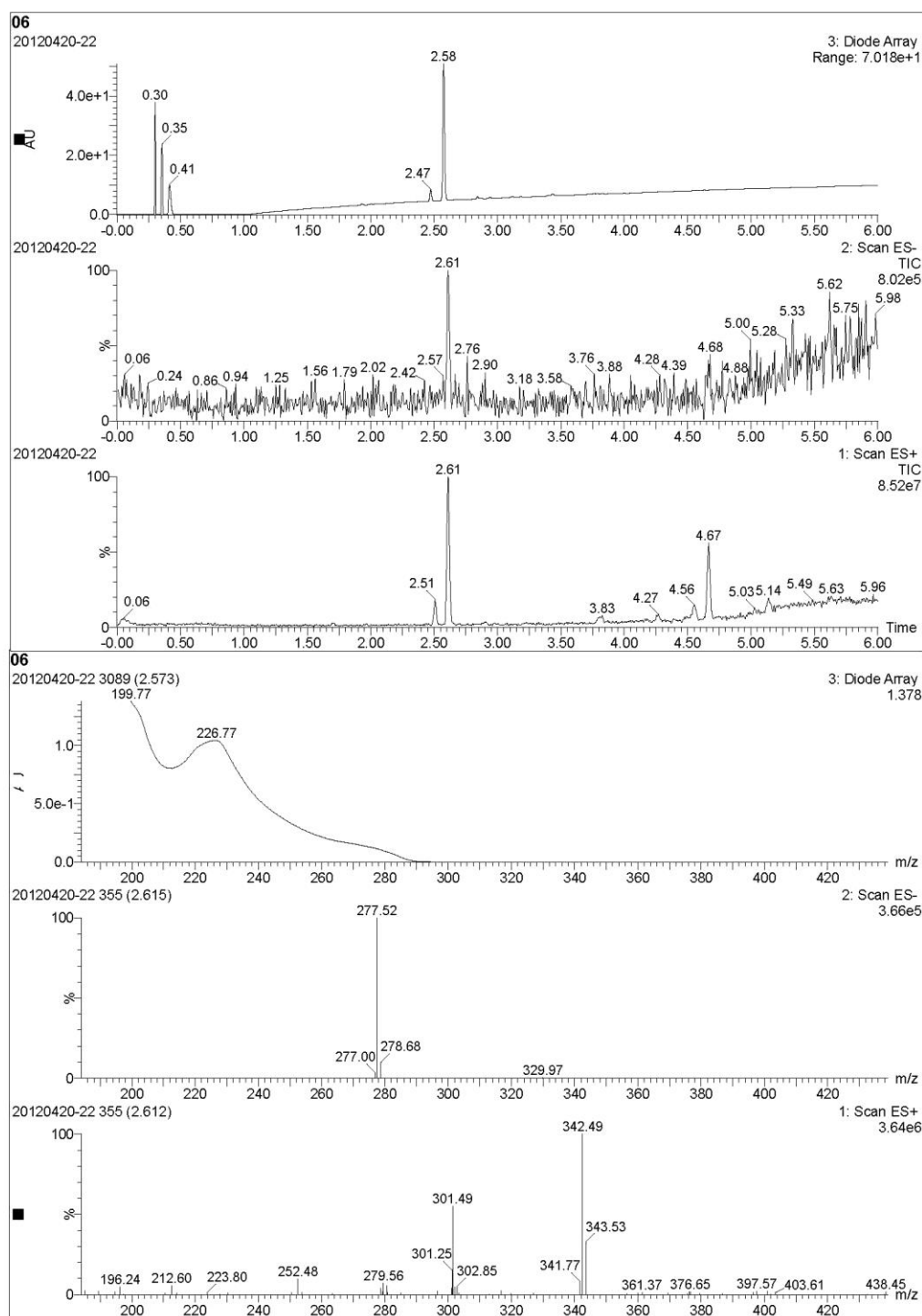
S1. LCMS spectrum of compound 4a.



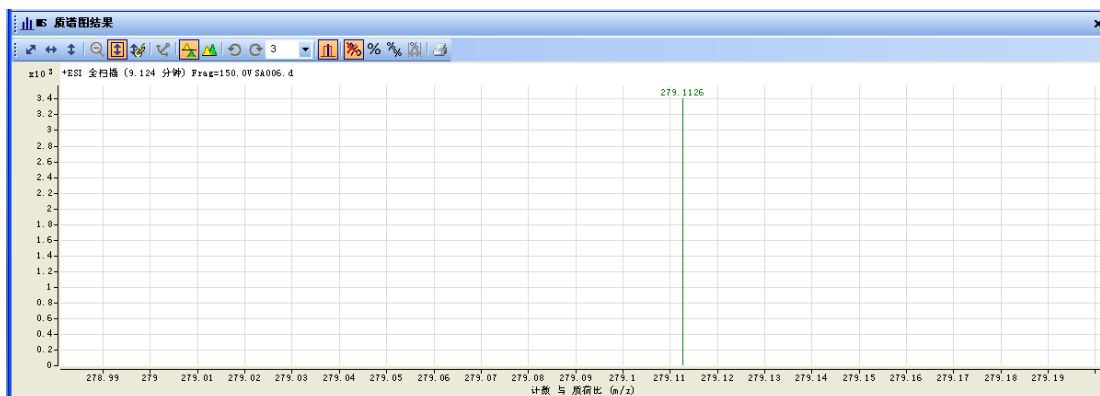
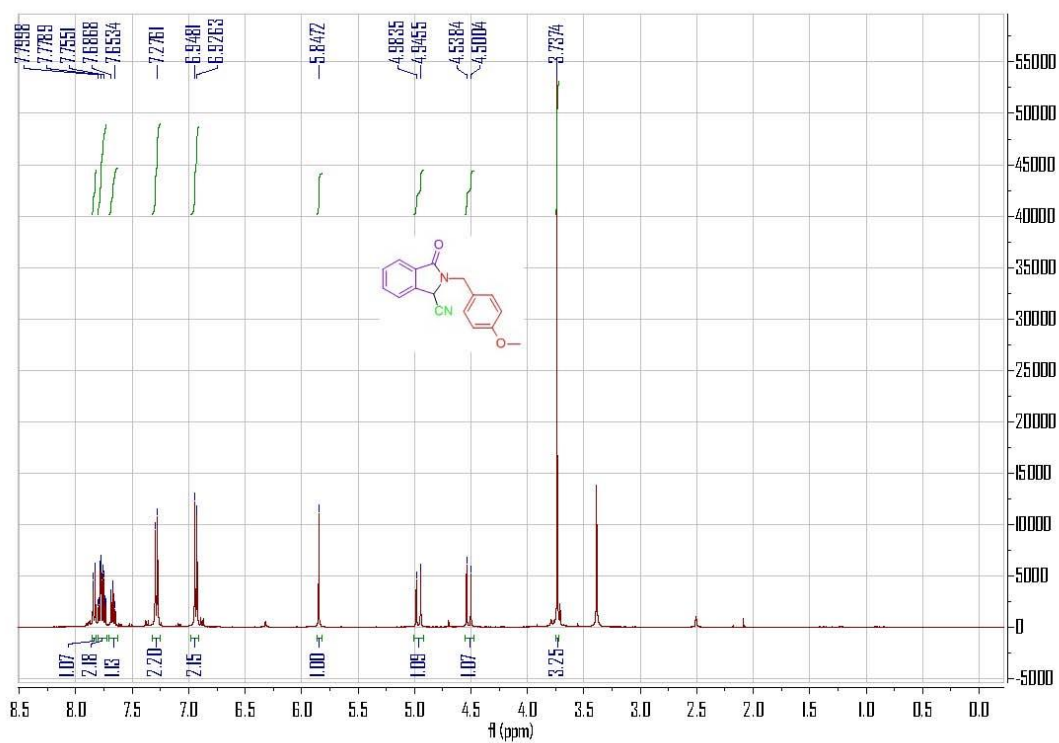
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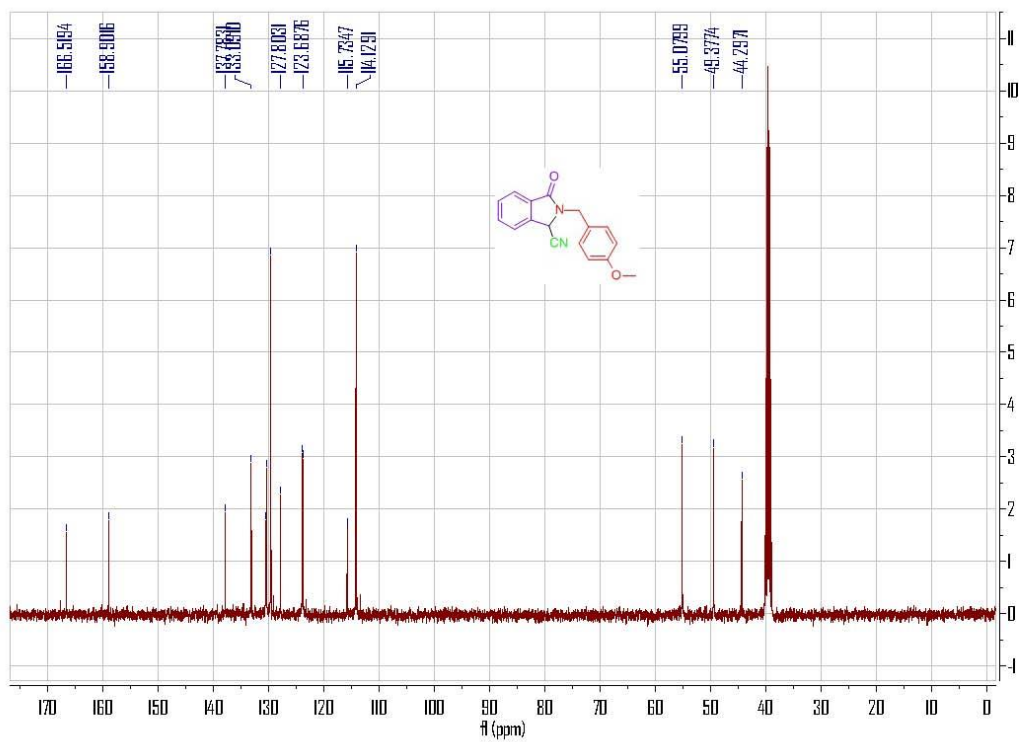
S4.  $^{13}\text{C}$  NMR spectrum of compound 4a.

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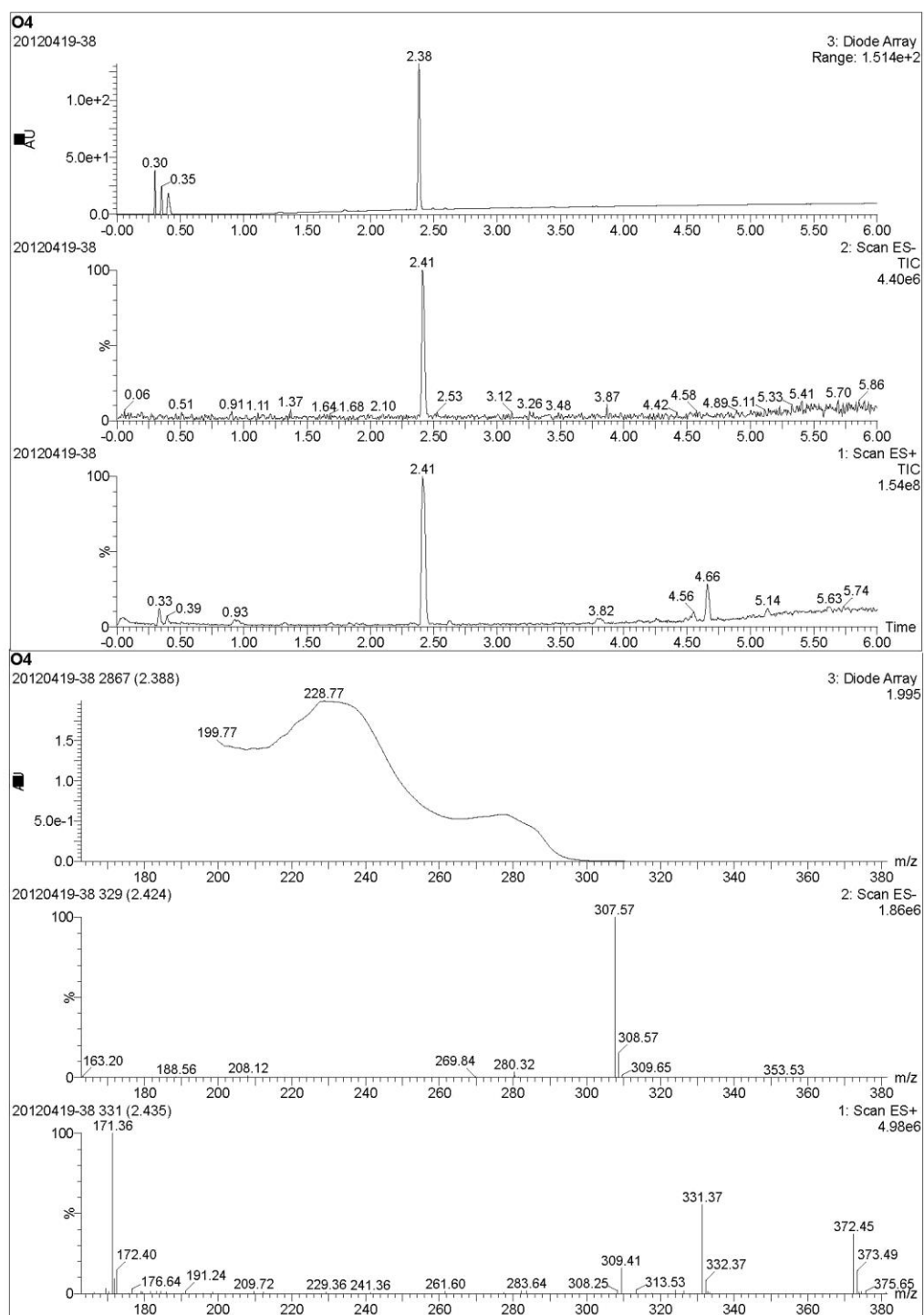


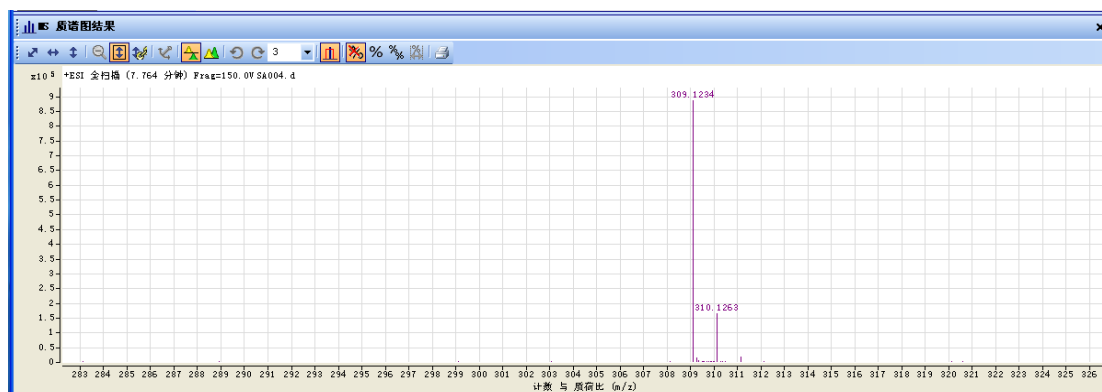
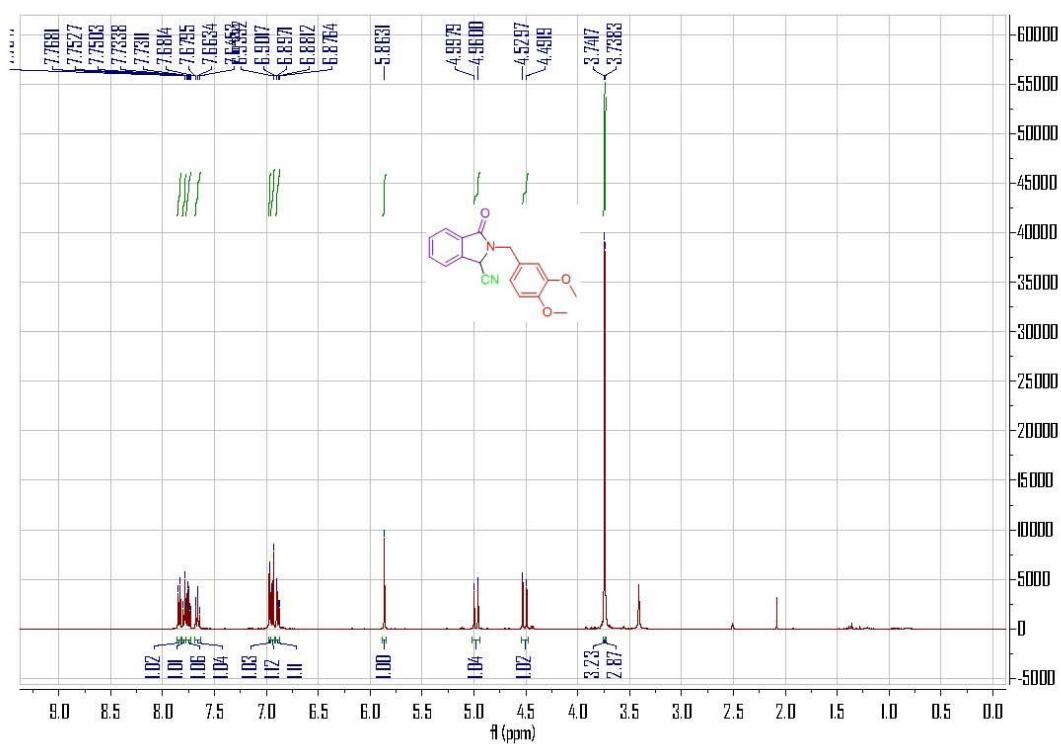


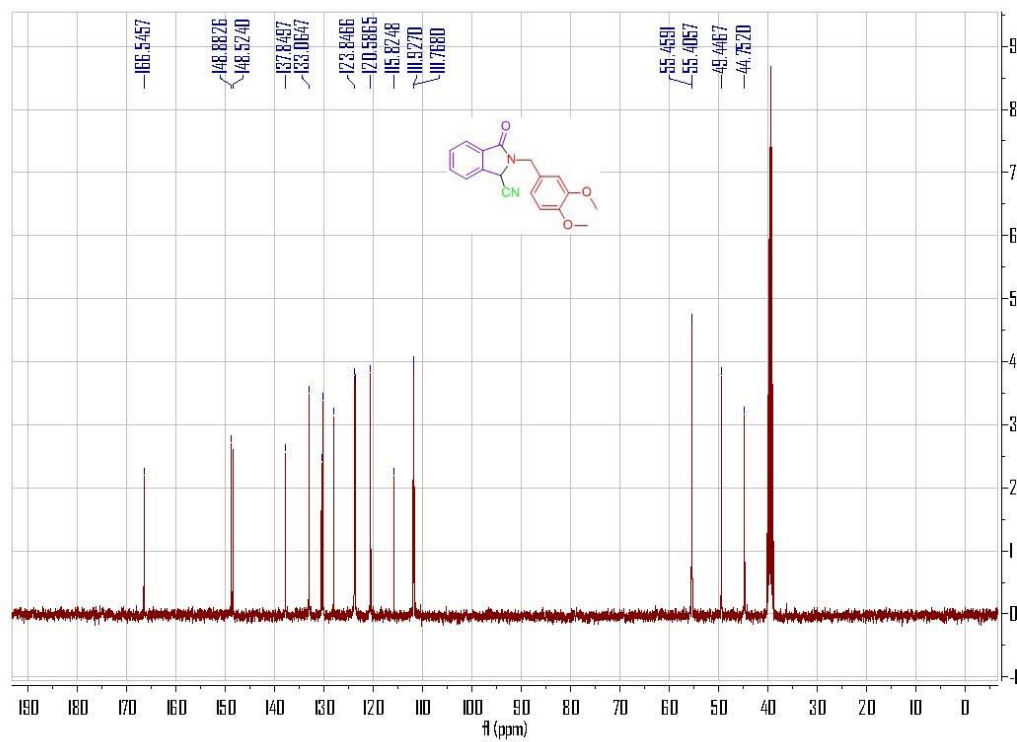
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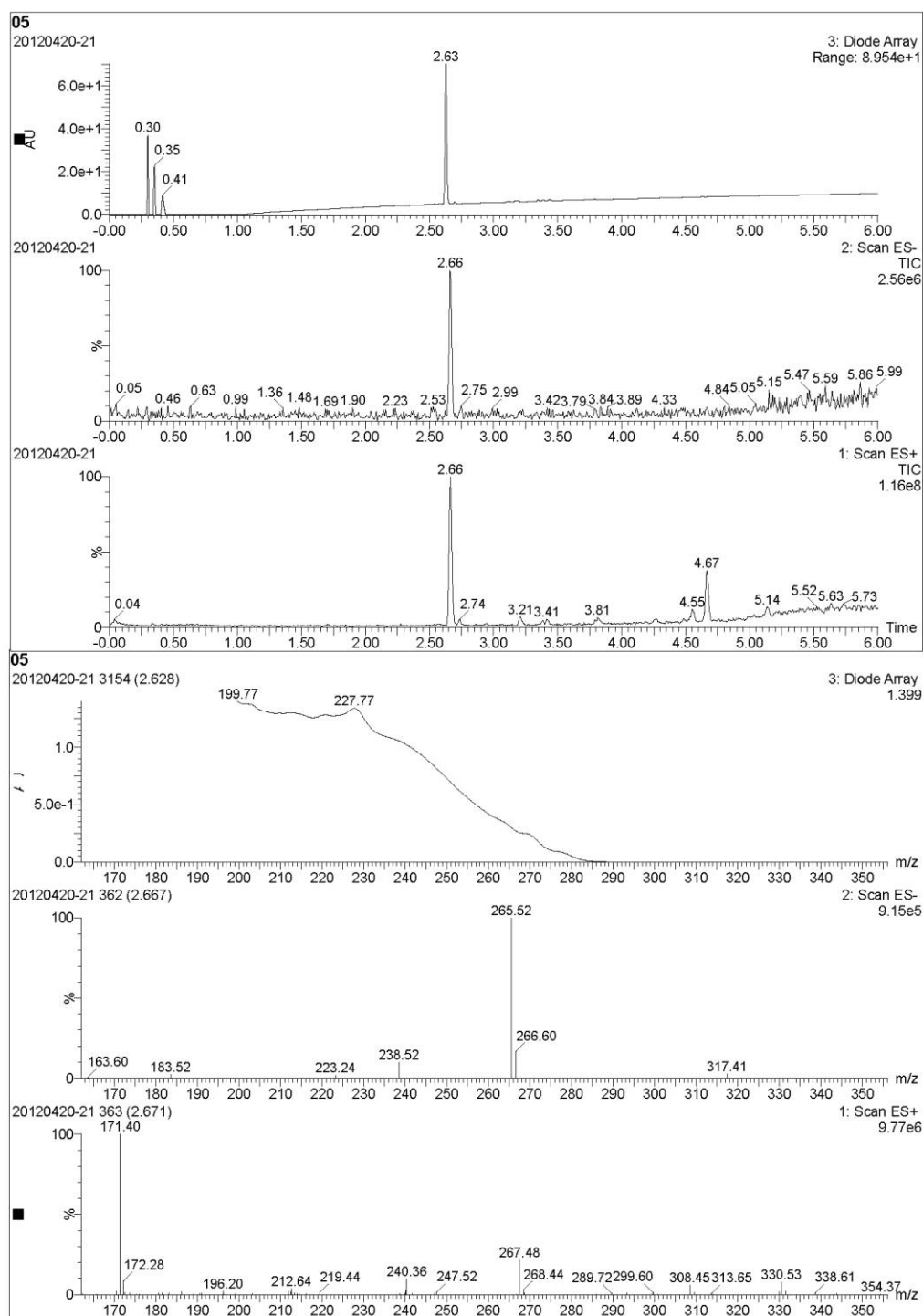
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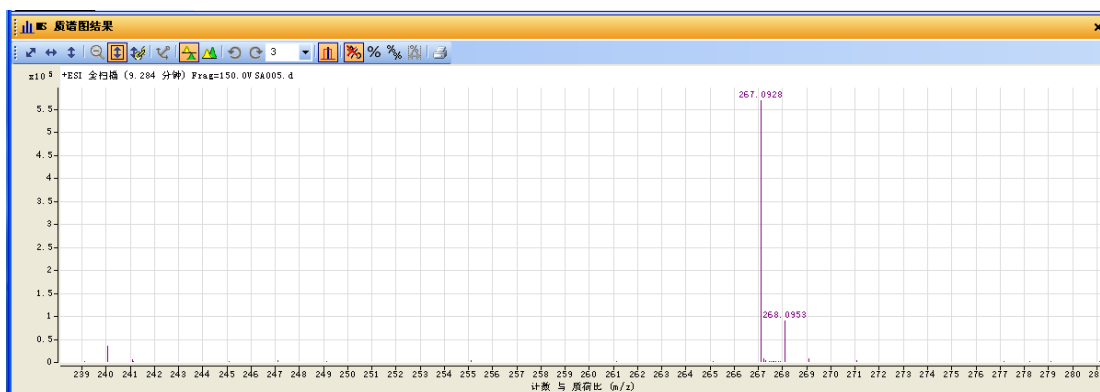
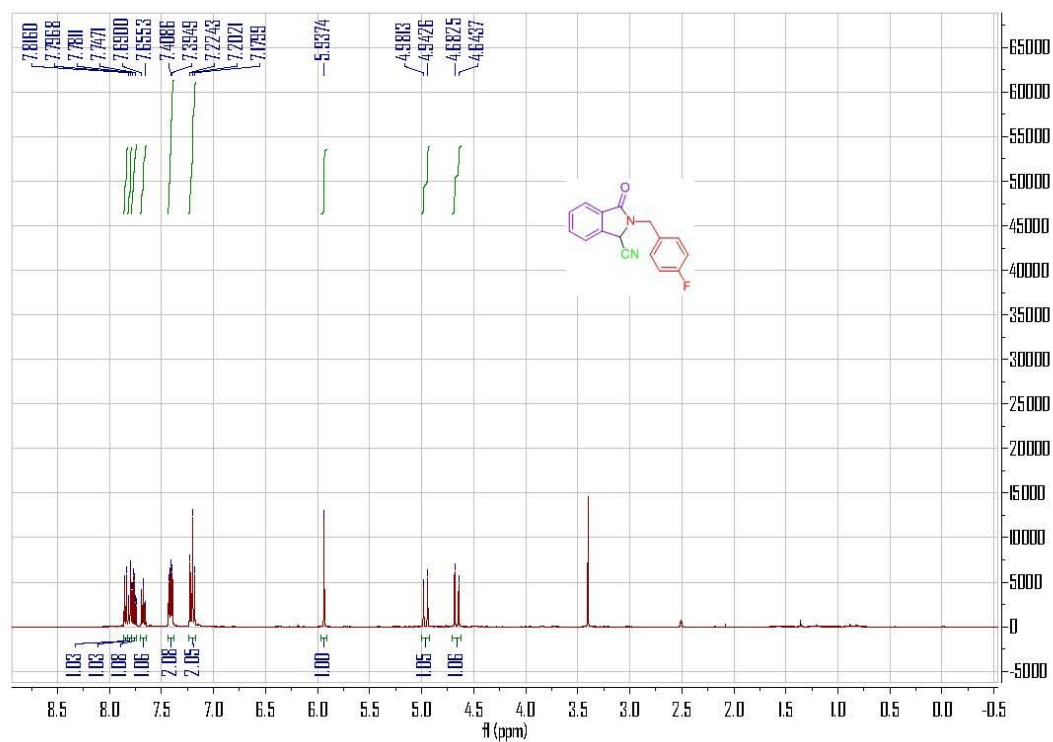
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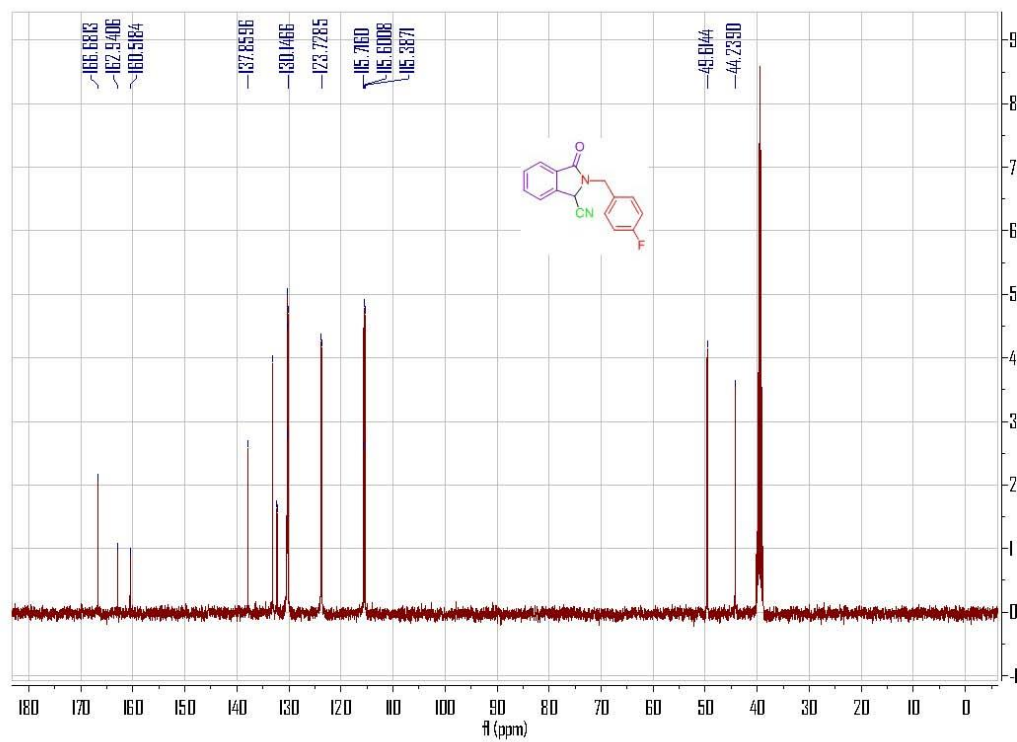


S10. HRESIMS spectrum of compound **4c**.S11.  $^1\text{H}$  NMR spectrum of compound **4c**.

S12.  $^{13}\text{C}$  NMR spectrum of compound 4c.

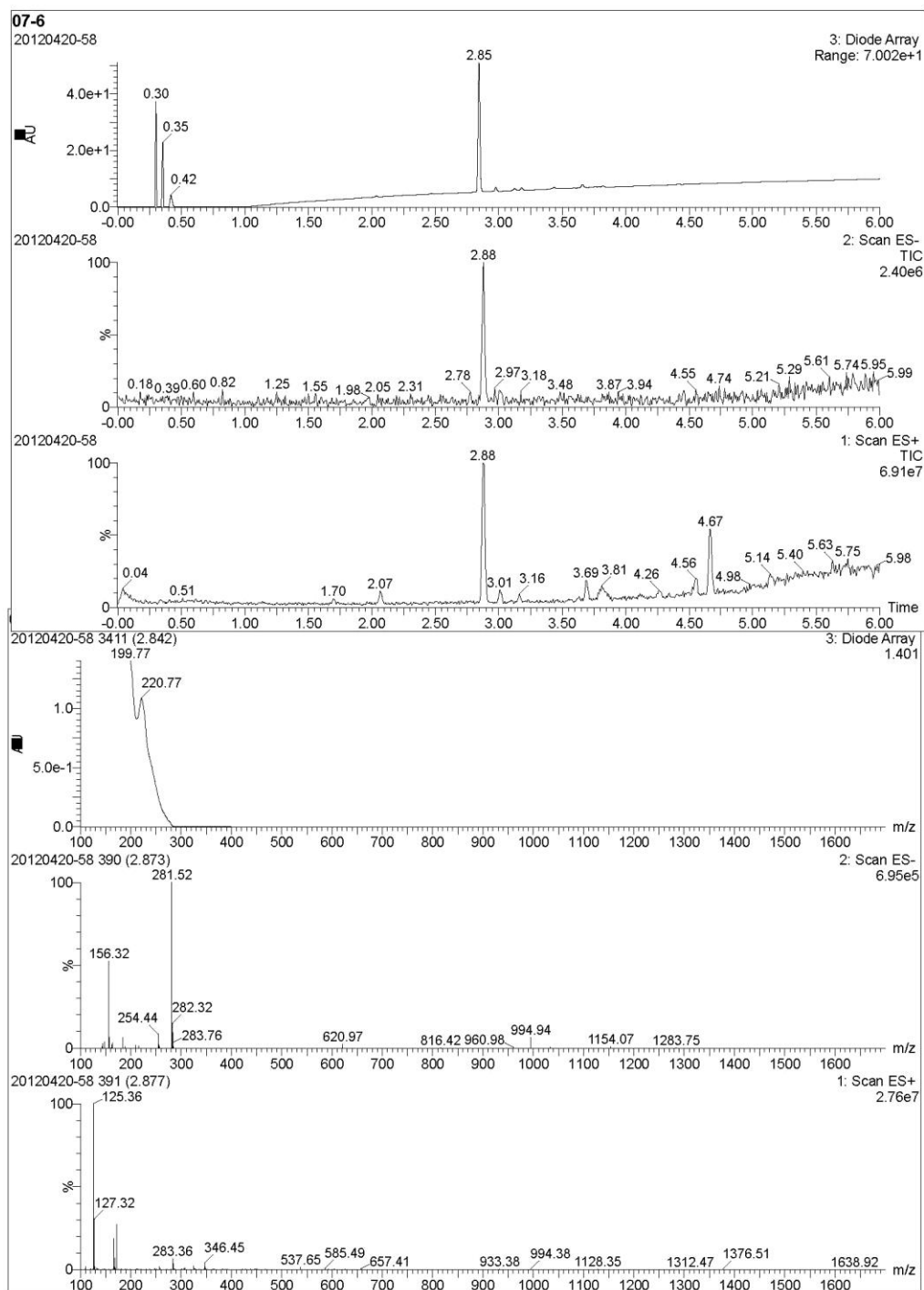
S13. LCMS spectrum of compound **4d**.

S14. HRESIMS spectrum of compound **4d**.S15.  $^1\text{H}$  NMR spectrum of compound **4d**.

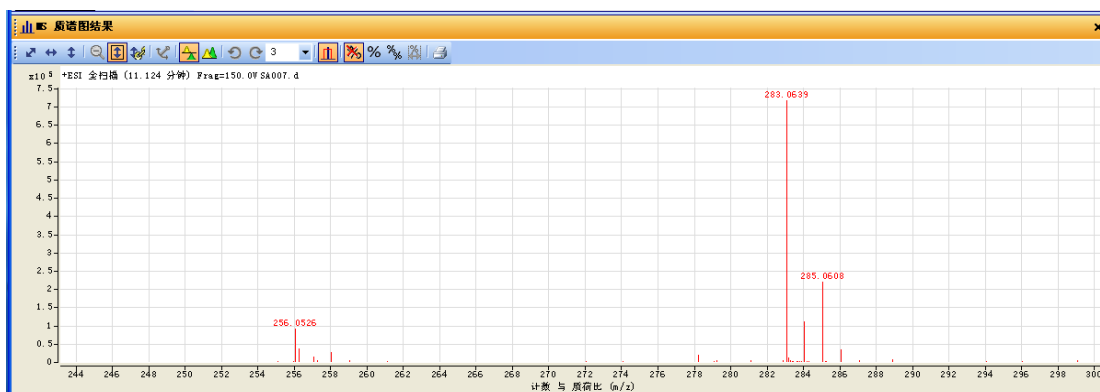
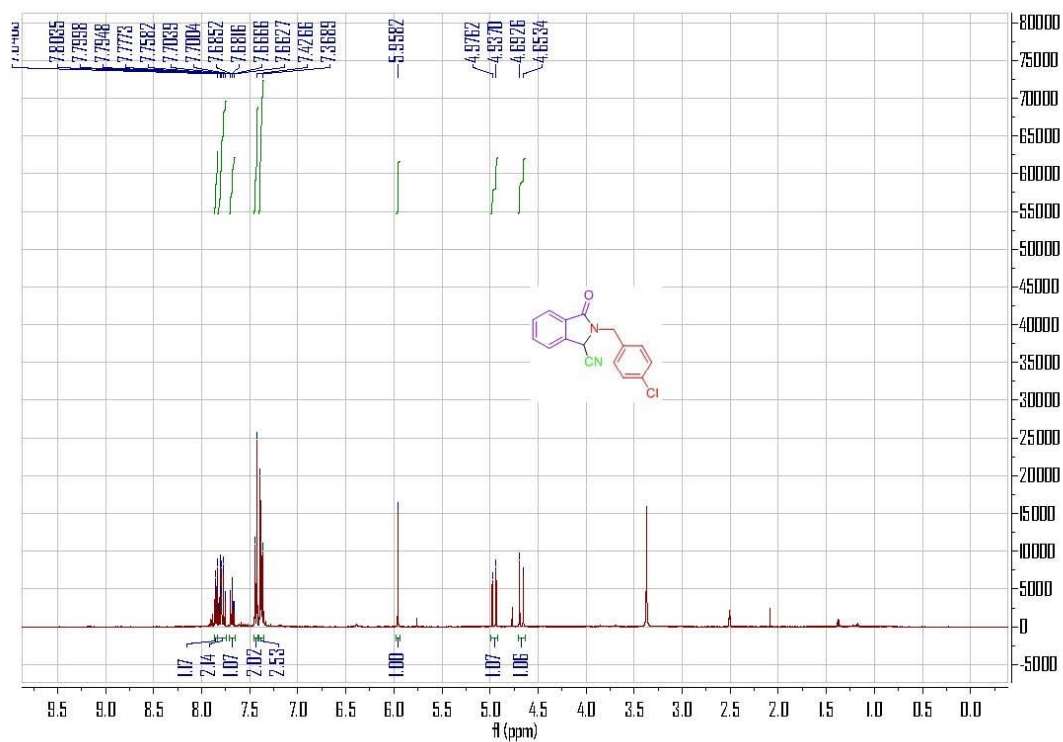
**S16.**  $^{13}\text{C}$  NMR spectrum of compound **4d**.

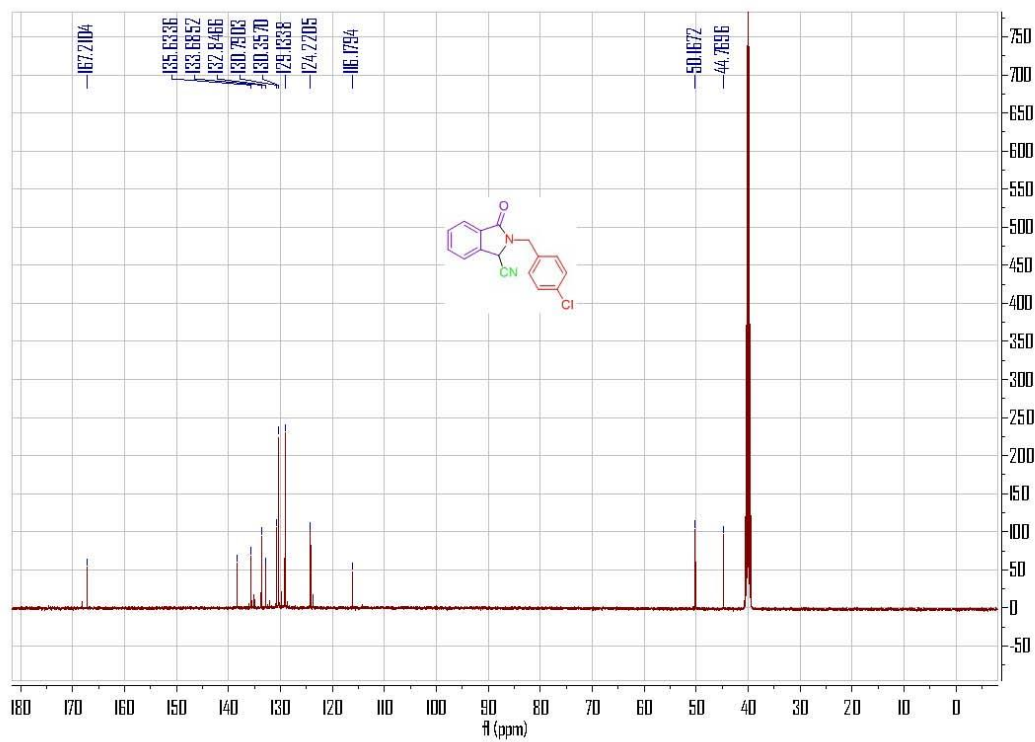


S17. LCMS spectrum of compound 4e.

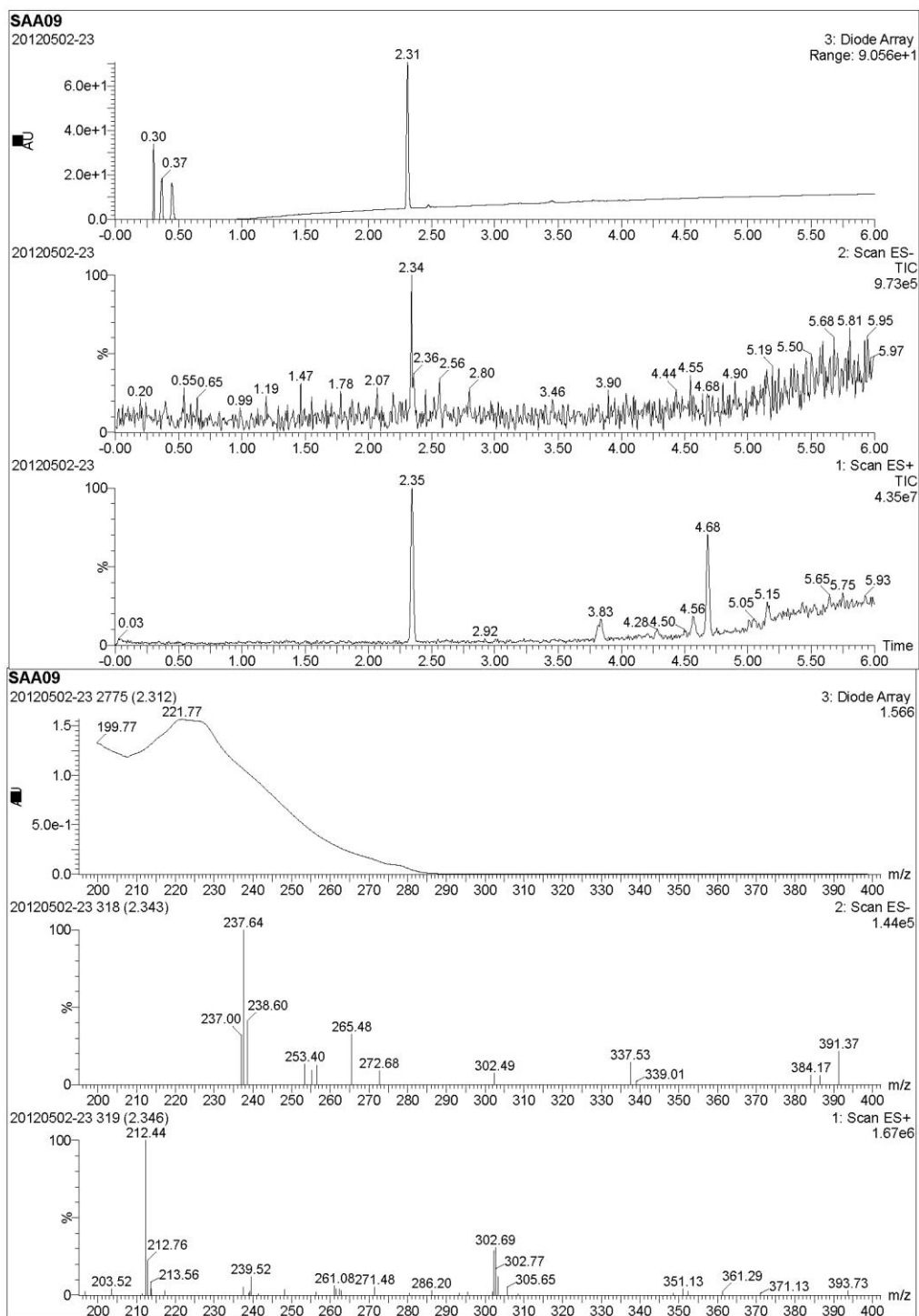


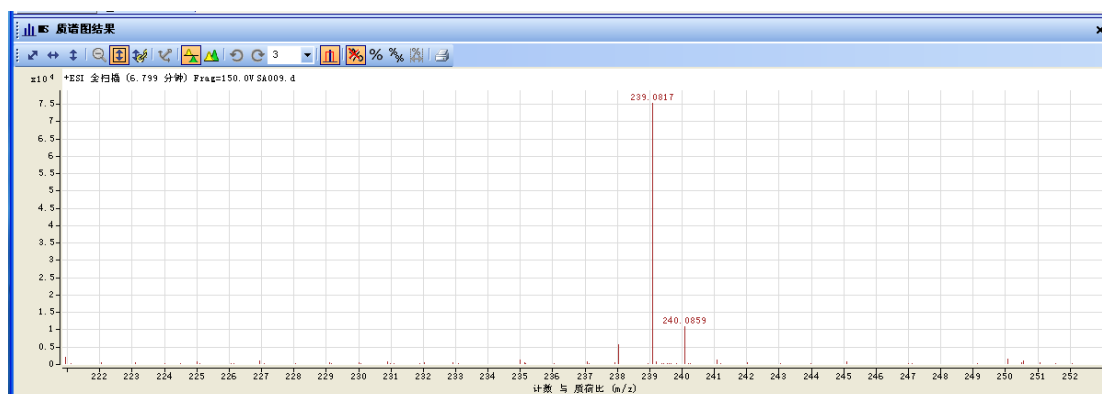
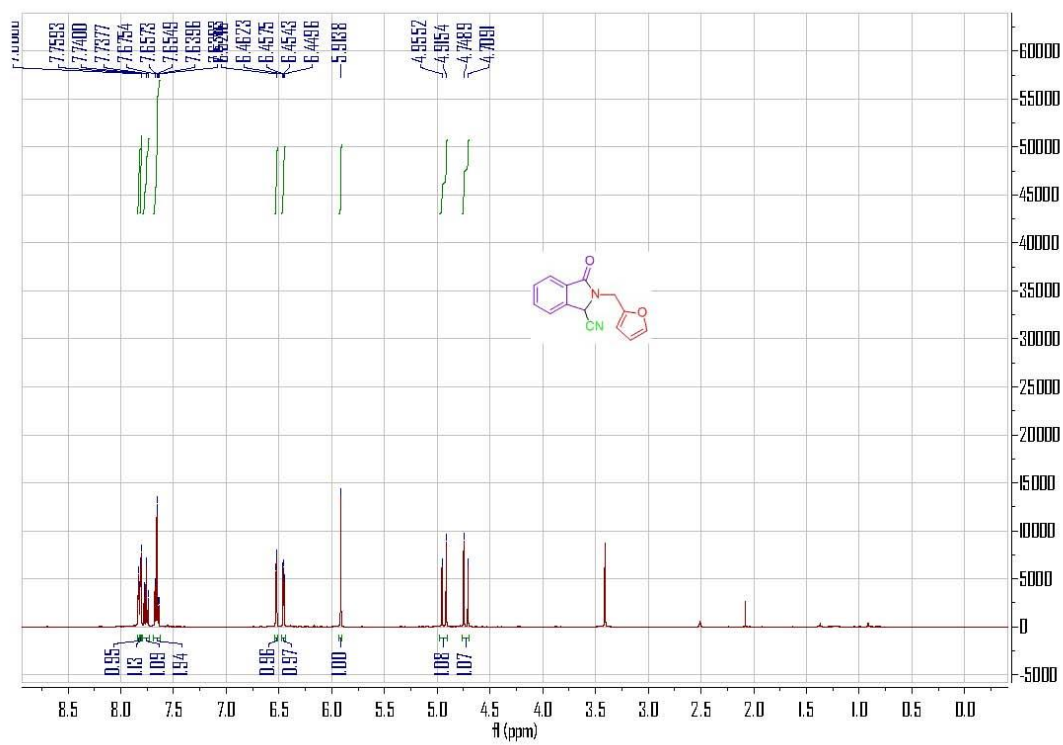
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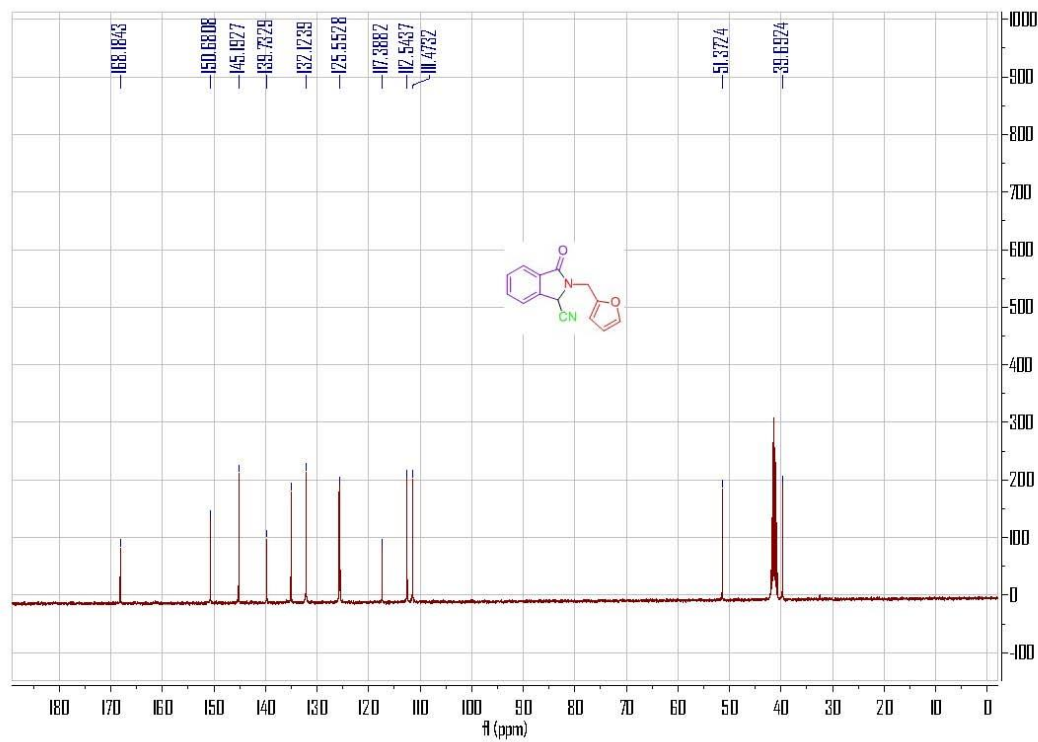
S19.  $^1\text{H}$  NMR spectrum of compound 4e.

**S20.**  $^{13}\text{C}$  NMR spectrum of compound **4e**.

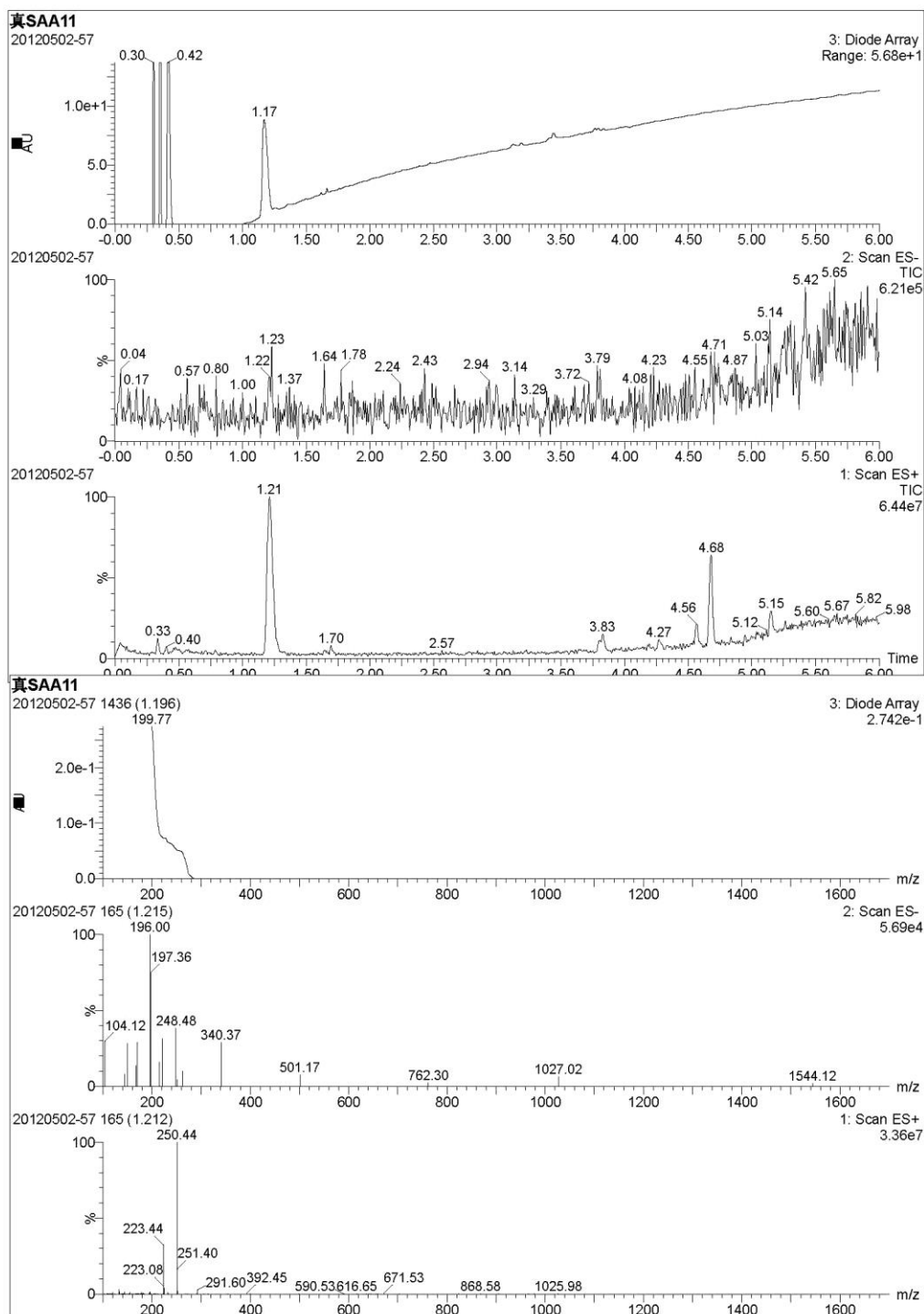
S21. LCMS spectrum of compound 4f.

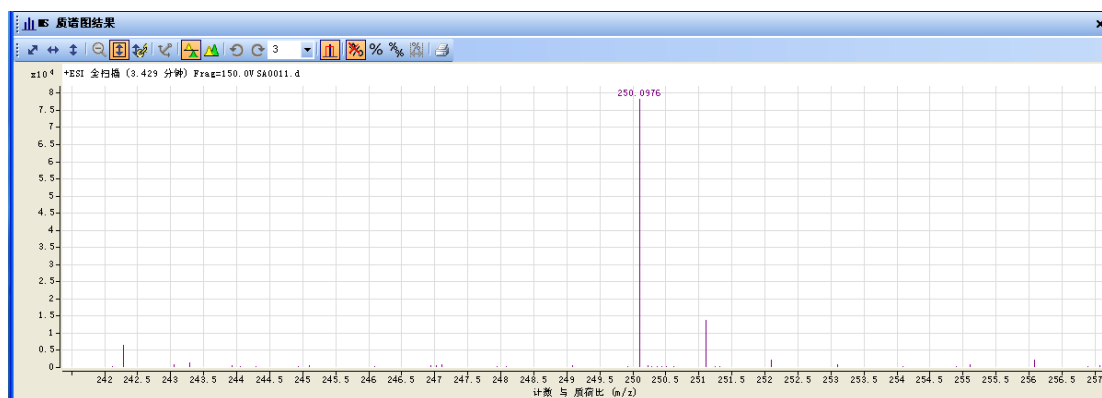
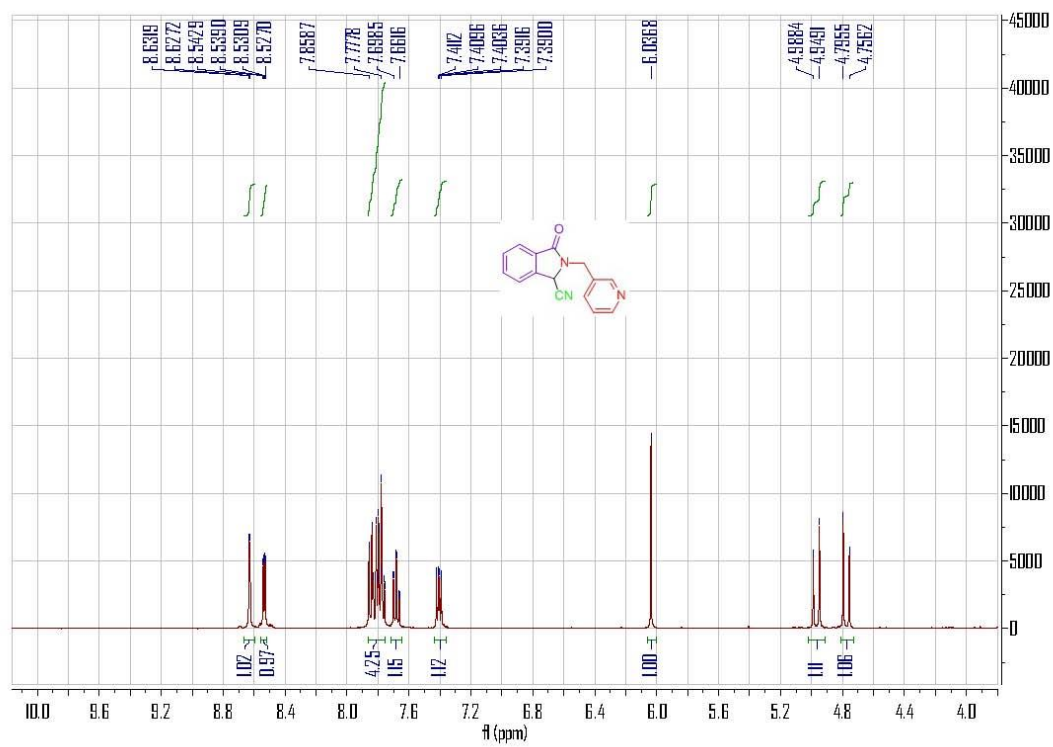


S22. HRESIMS spectrum of compound **4f**.S23.  $^1\text{H}$  NMR spectrum of compound **4f**.

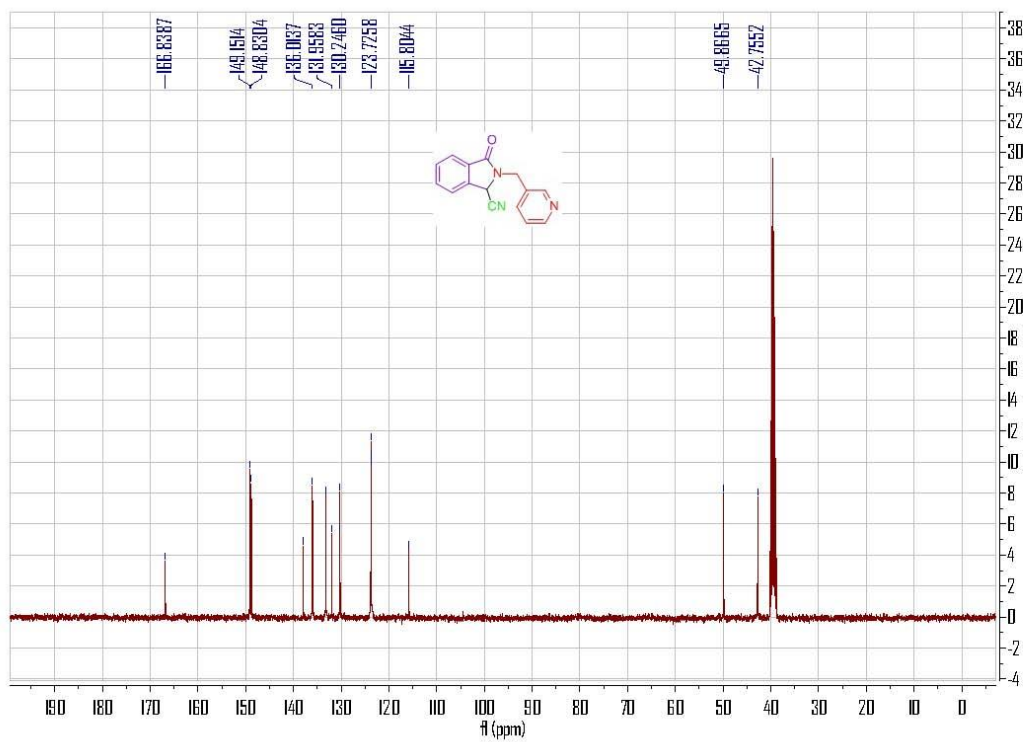
**S24.**  $^{13}\text{C}$  NMR spectrum of compound **4f**.

S25. LCMS spectrum of compound 4g.

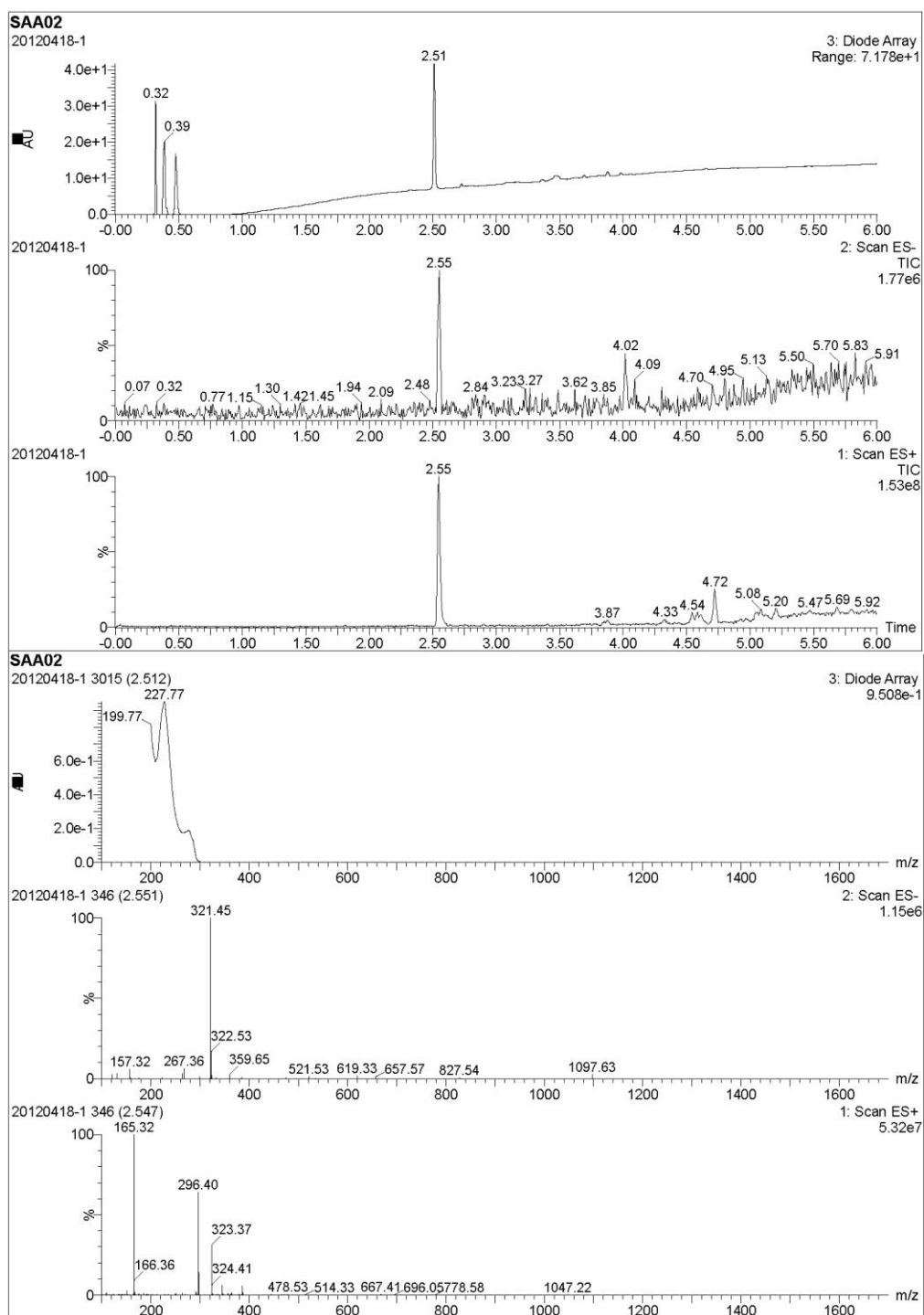


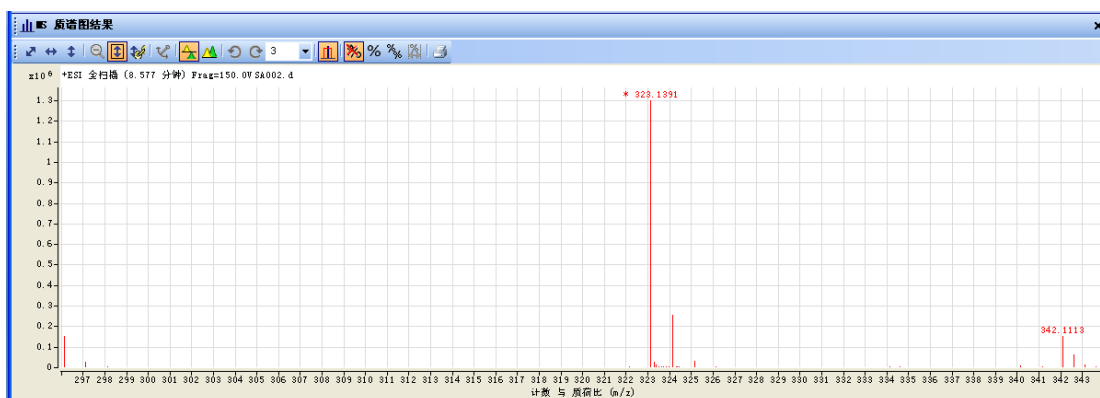
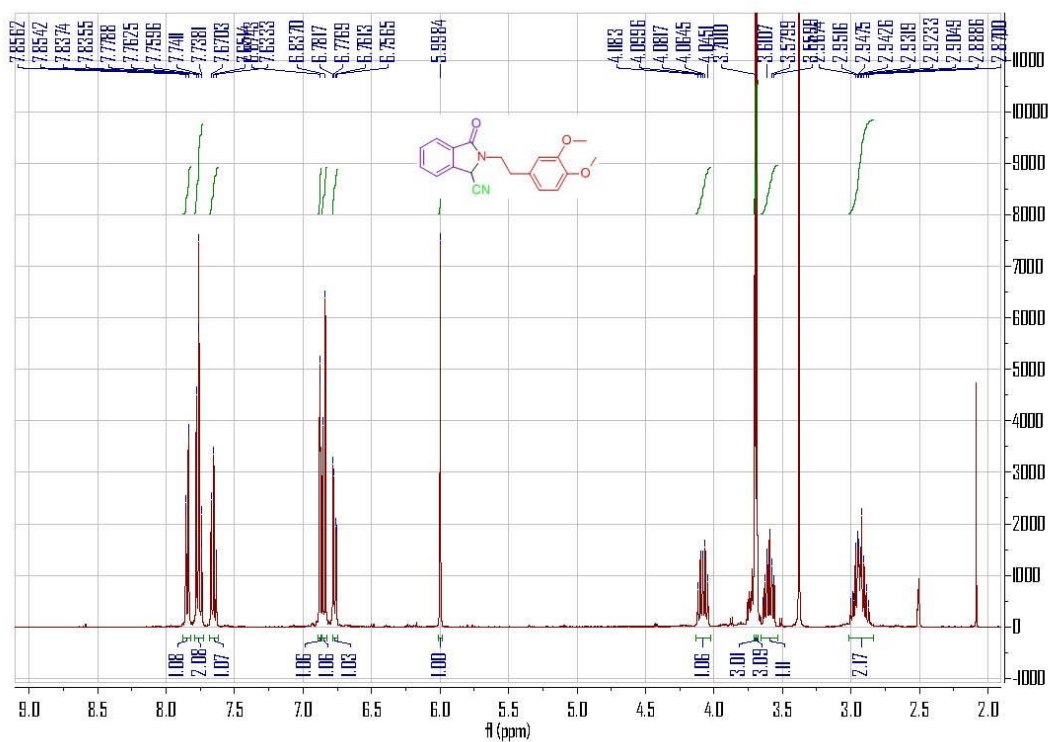
S26. HRESIMS spectrum of compound **4g**.S27. <sup>1</sup>H NMR spectrum of compound **4g**.

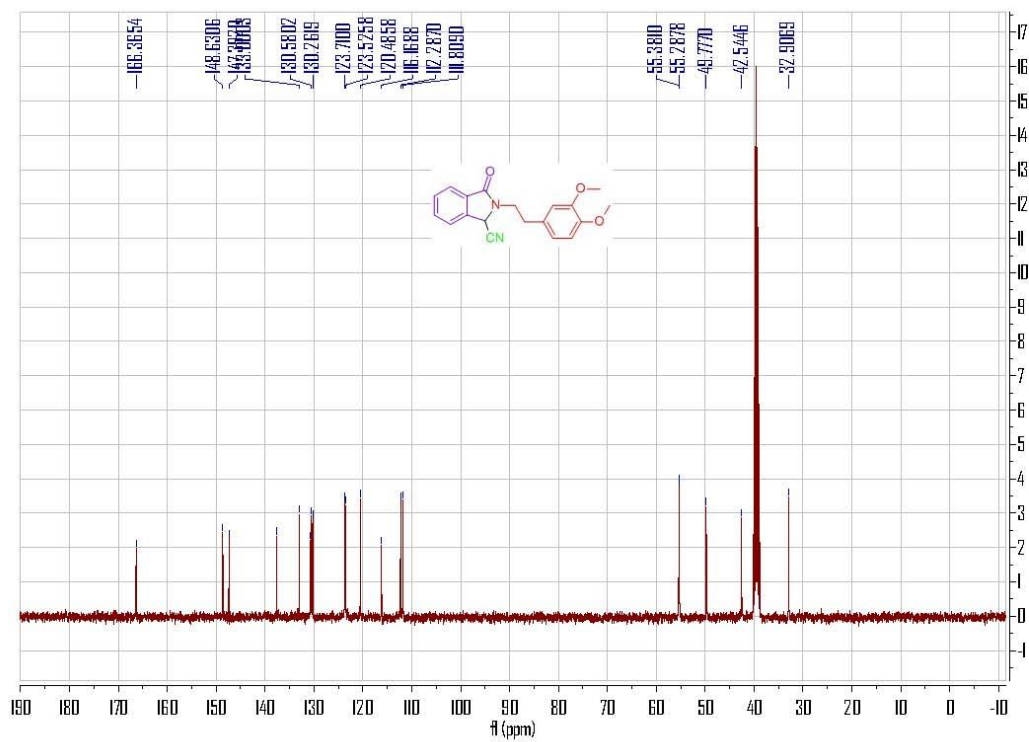


**S28.**  $^{13}\text{C}$  NMR spectrum of compound **4g**.

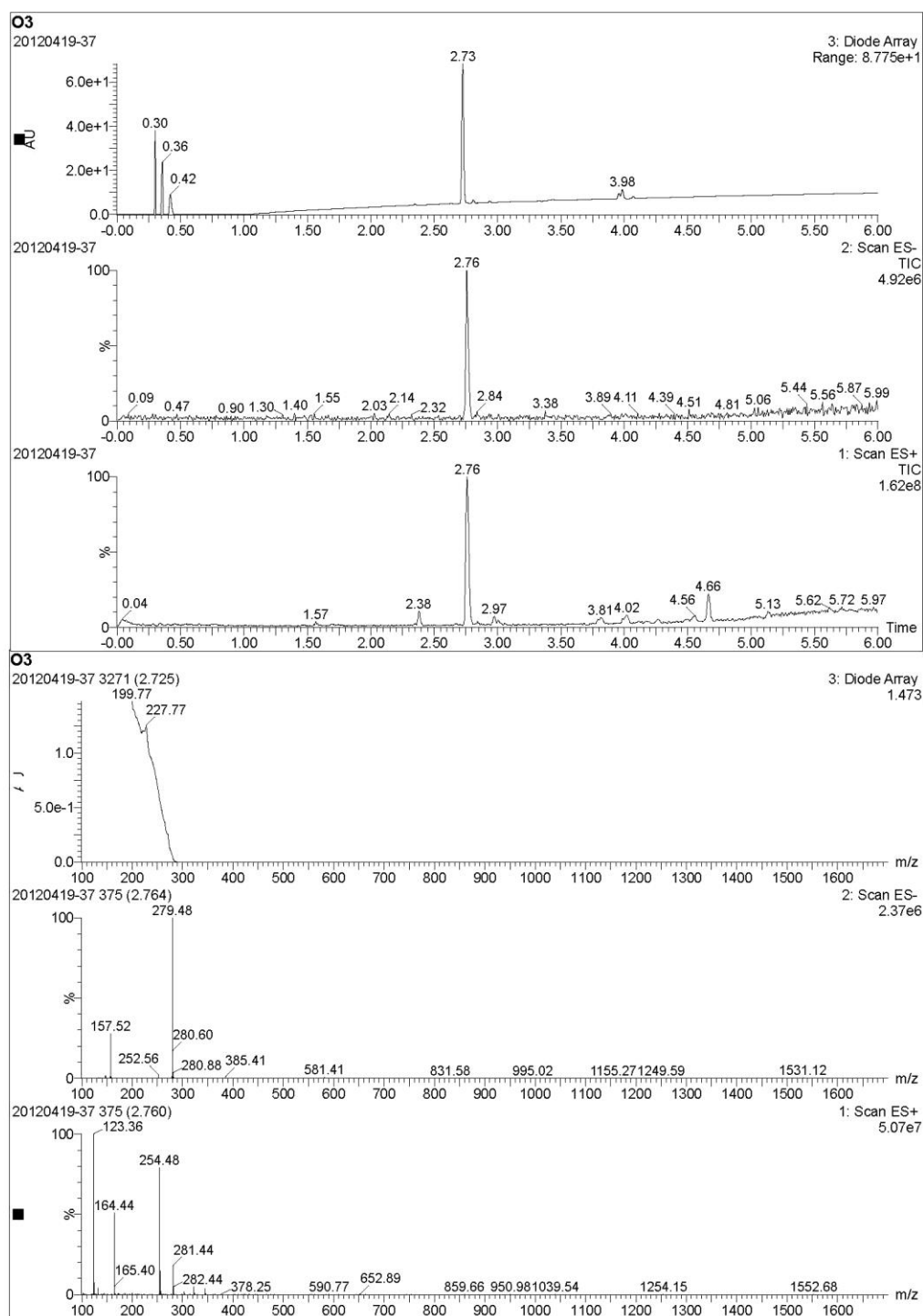
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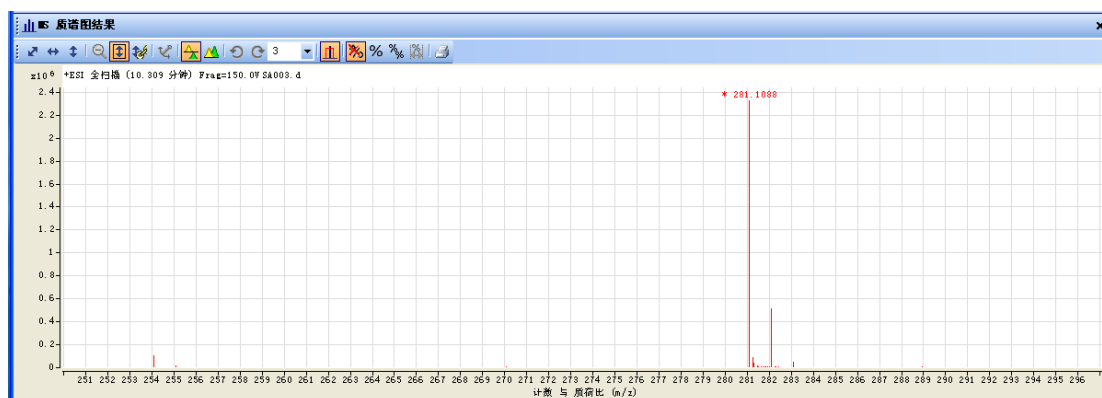
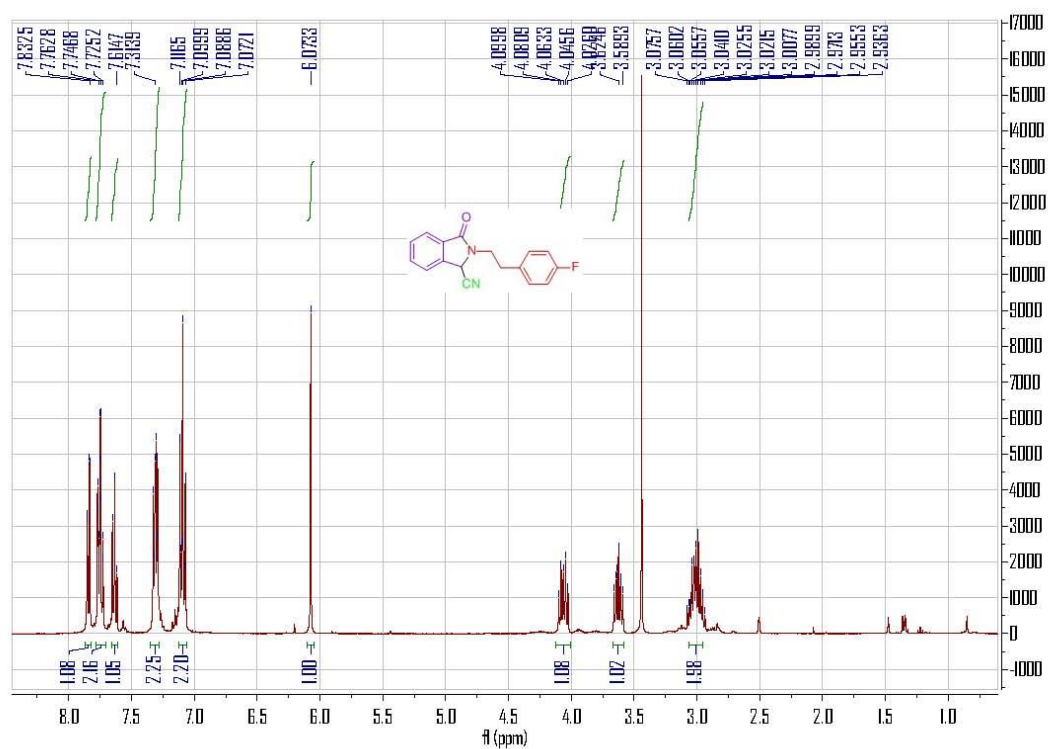
S30. HRESIMS spectrum of compound **4h**.S31. <sup>1</sup>H NMR spectrum of compound **4h**.

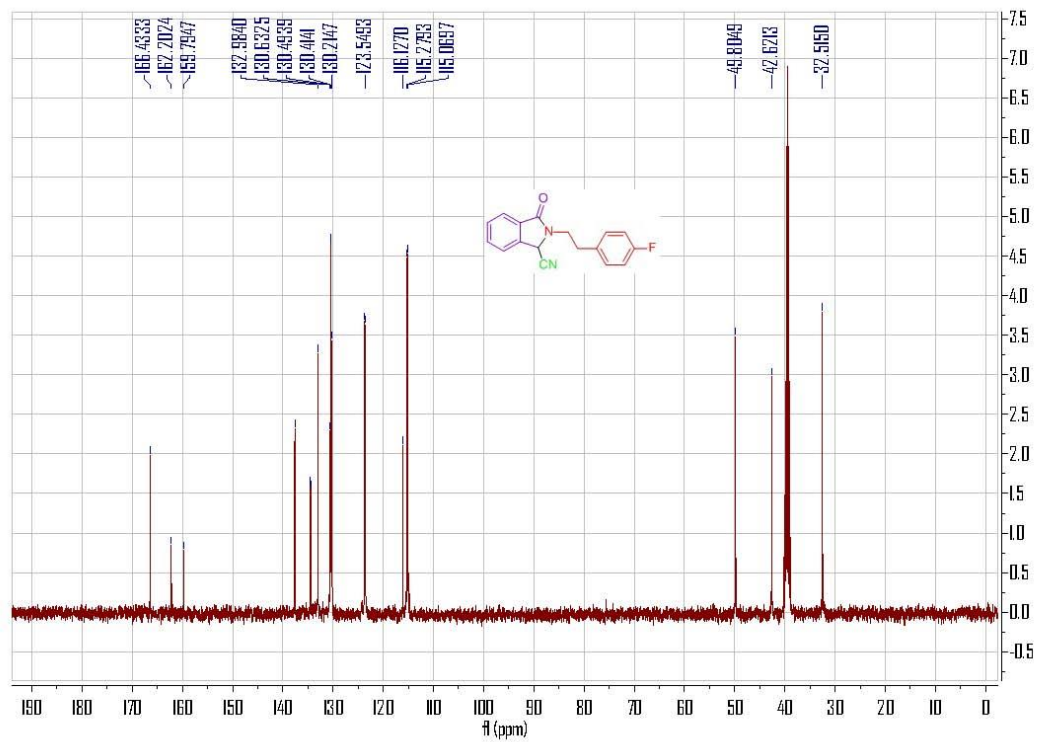
**S32.**  $^{13}\text{C}$  NMR spectrum of compound **4h**.

## S33. LCMS spectrum of compound 4i.

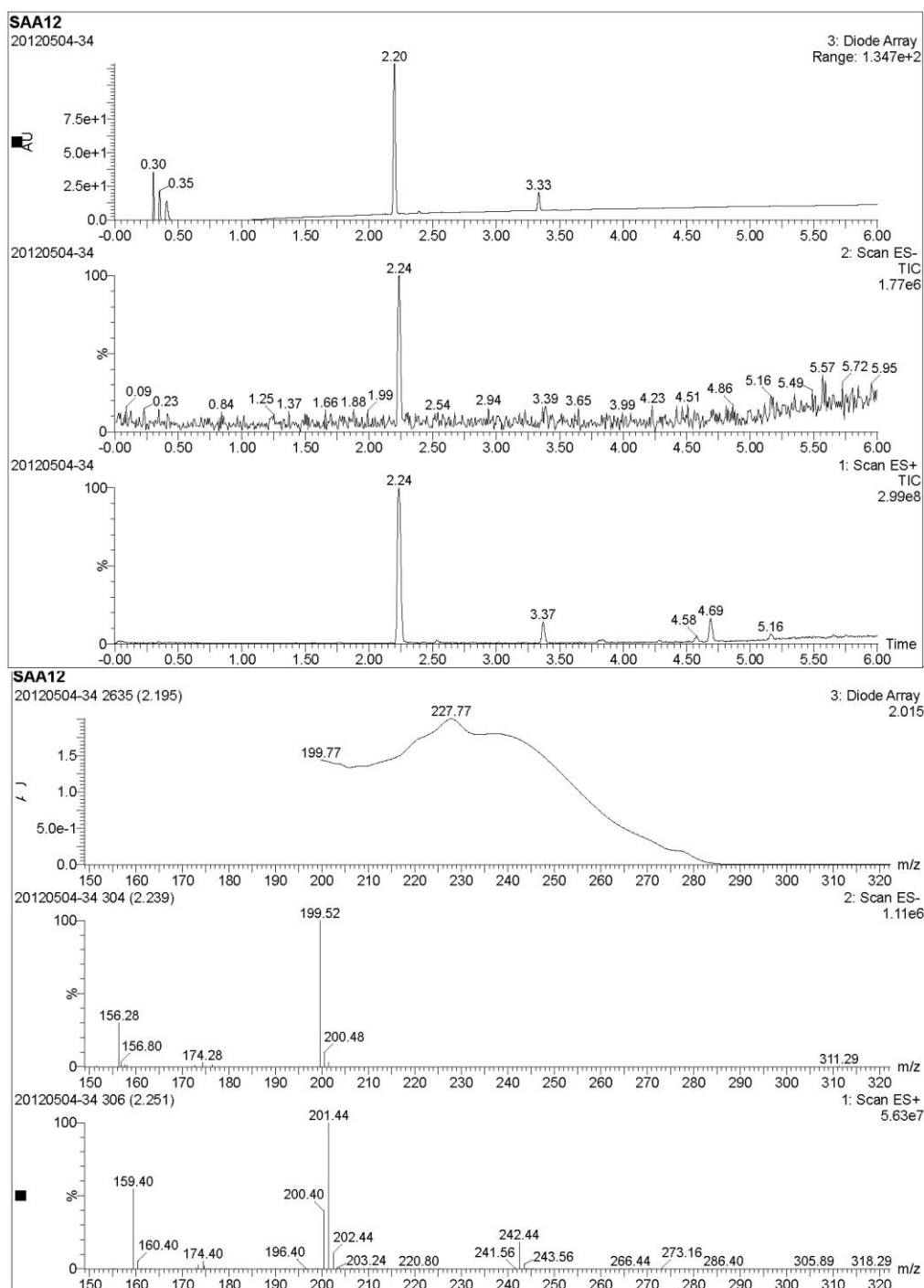


## S34. HRESIMS spectrum of compound 4i.

S35. <sup>1</sup>H NMR spectrum of compound 4i.

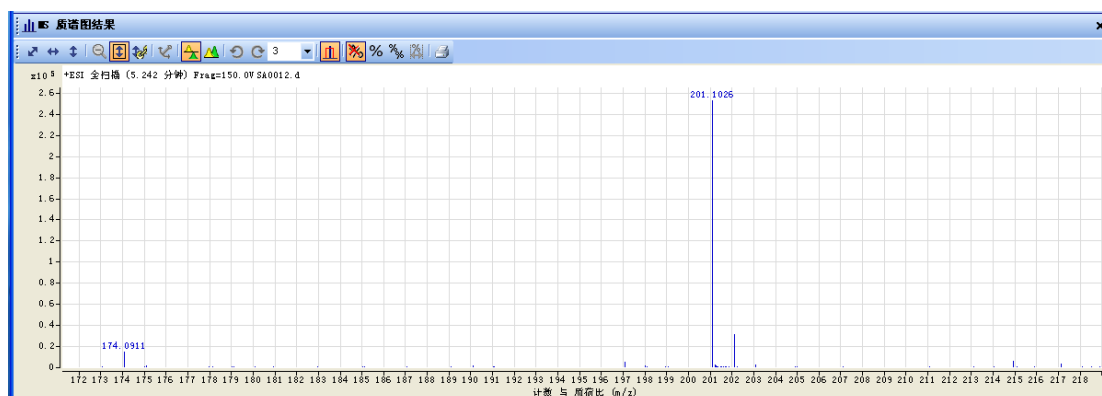
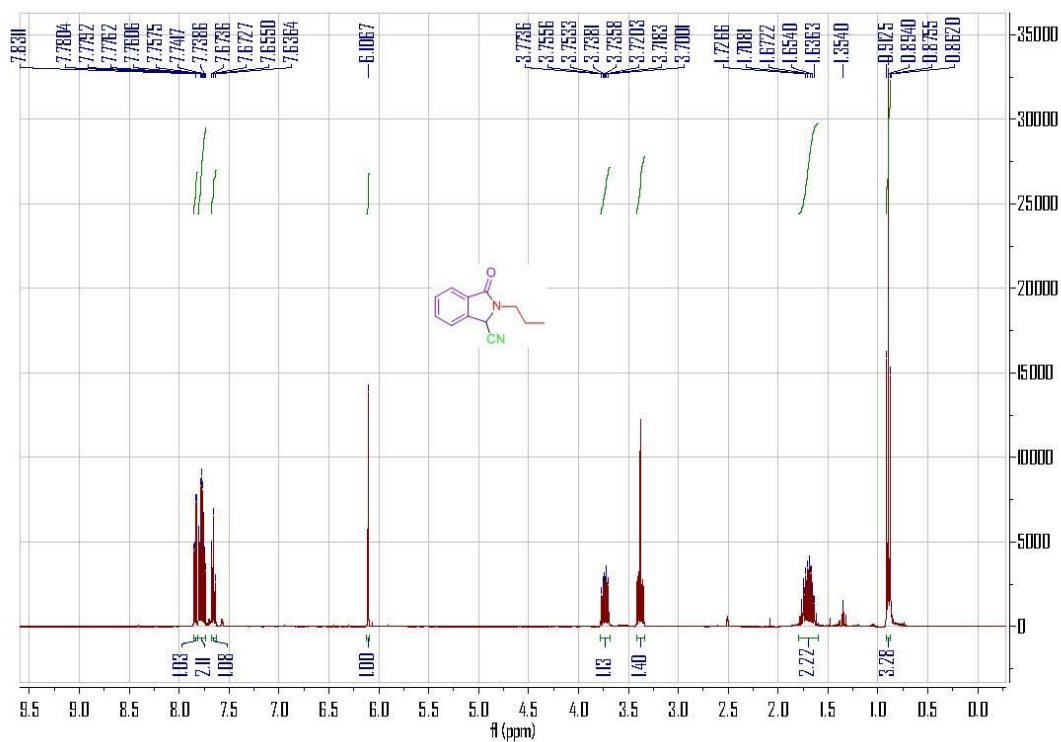
**S36.**  $^{13}\text{C}$  NMR spectrum of compound **4i**.

## S37. LCMS spectrum of compound 4j.

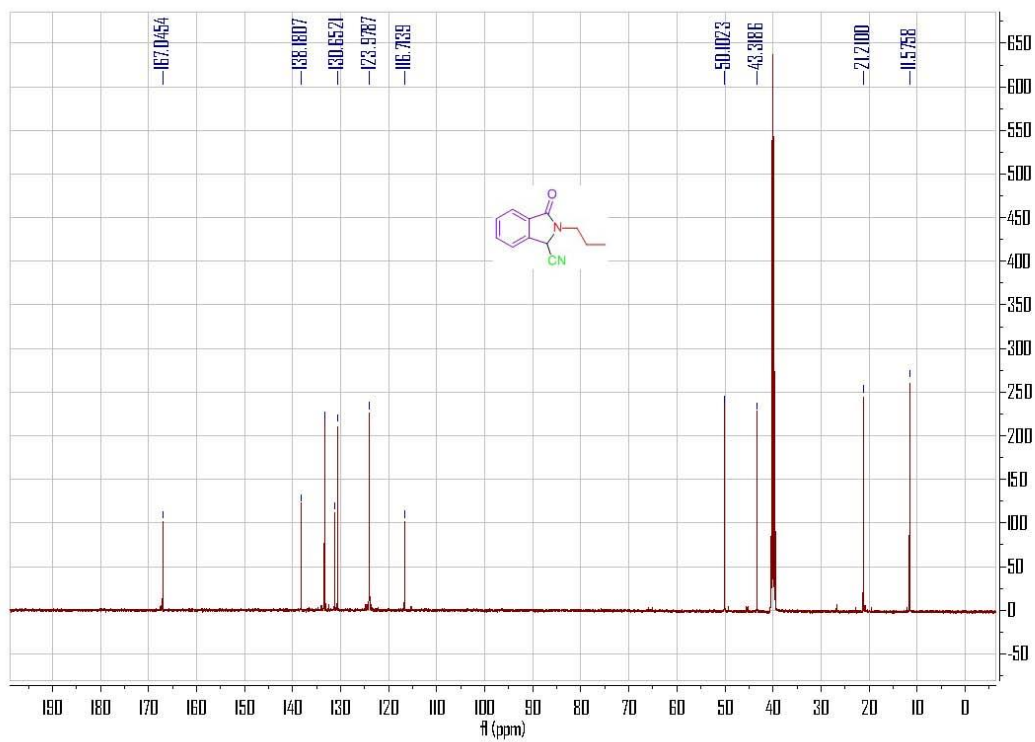




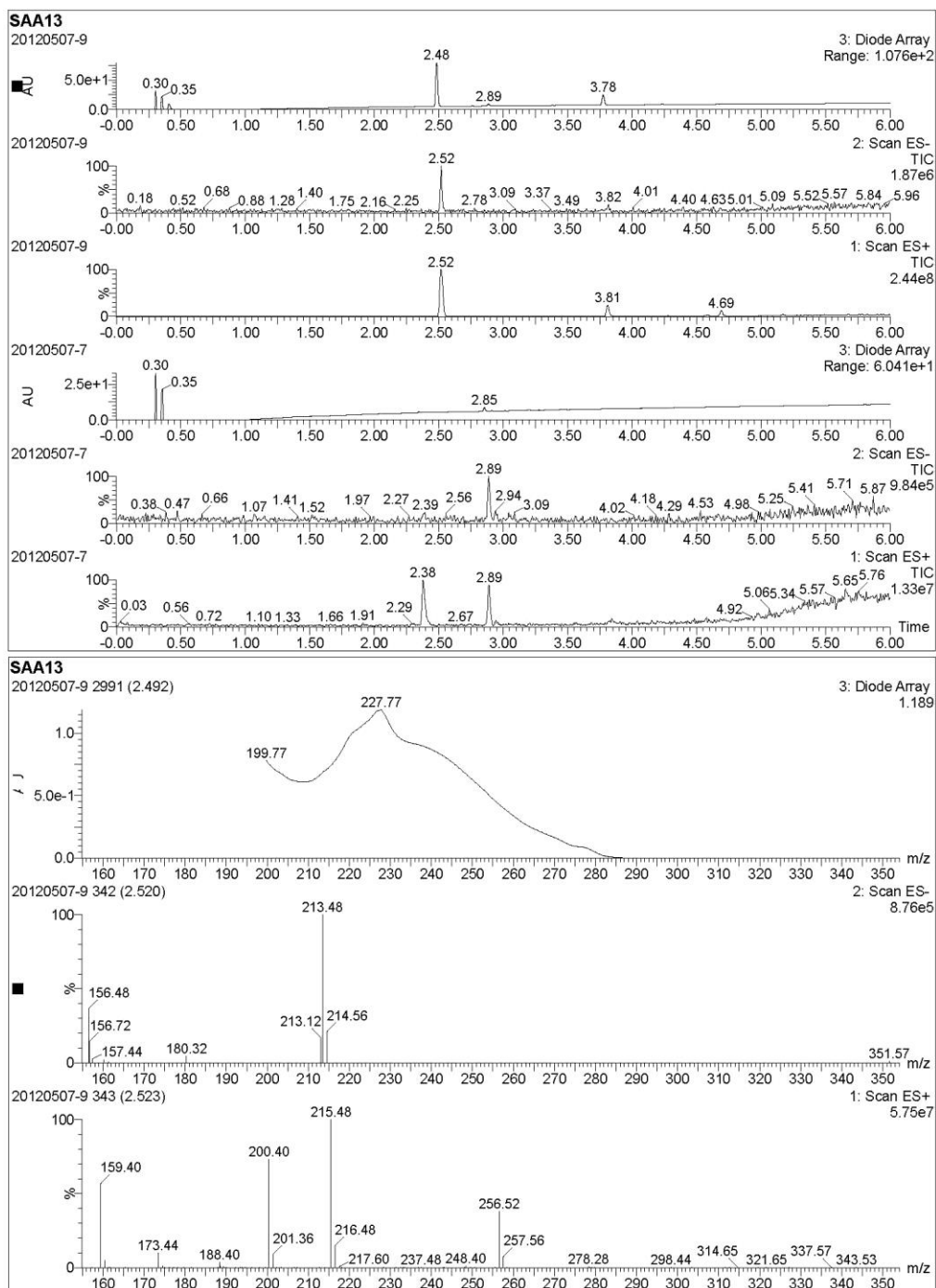
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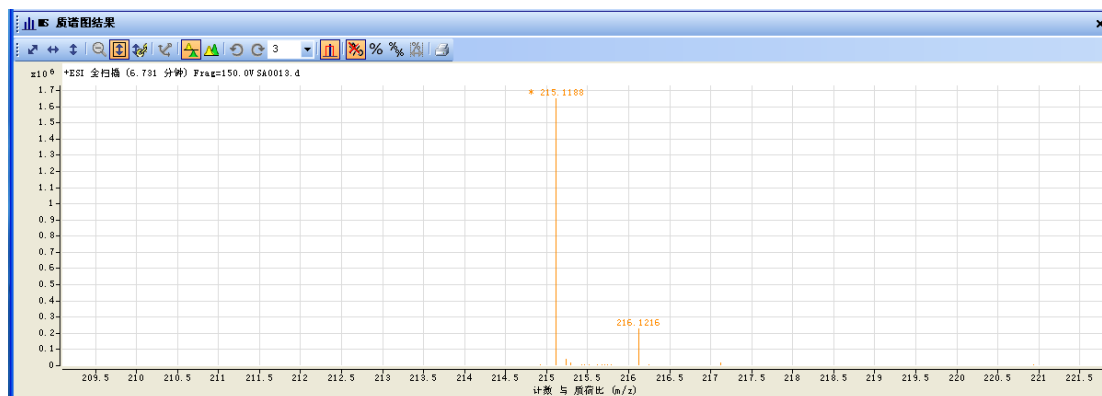
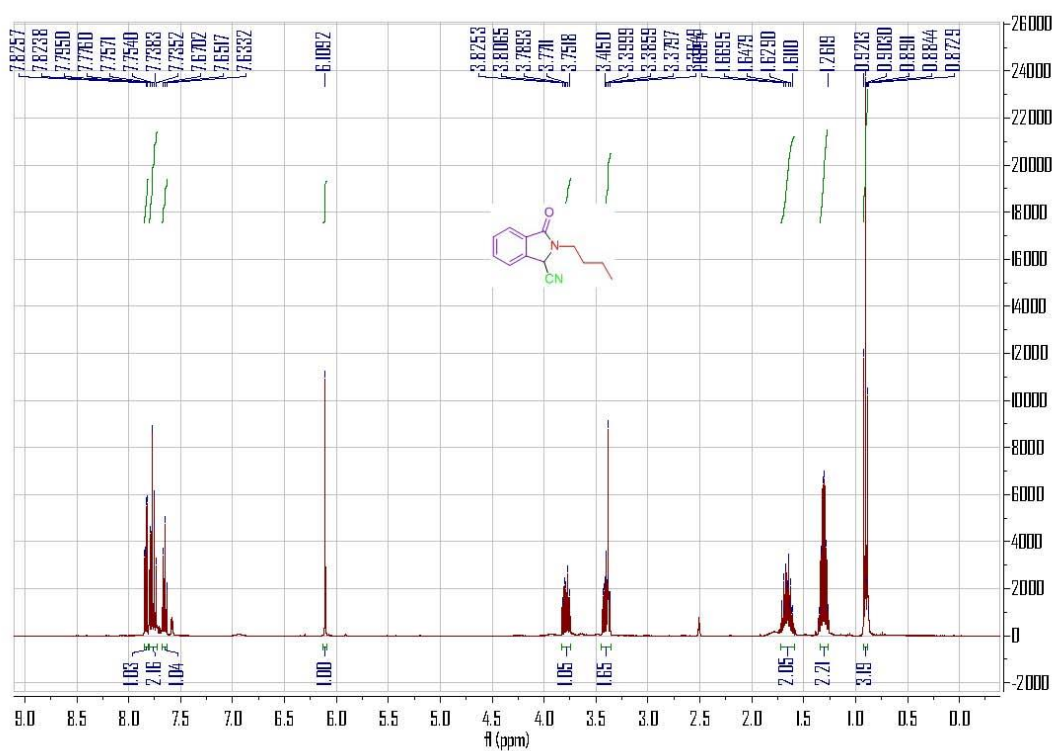
S39. <sup>1</sup>H NMR spectrum of compound 4j.

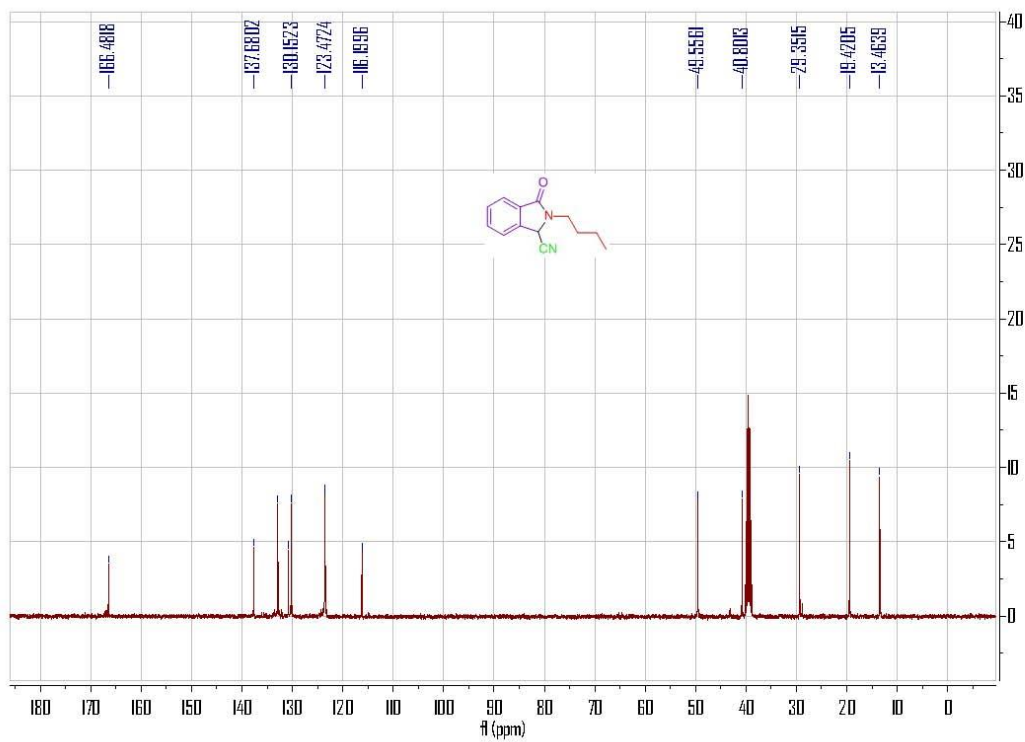
**S40.**  $^{13}\text{C}$  NMR spectrum of compound **4j**.



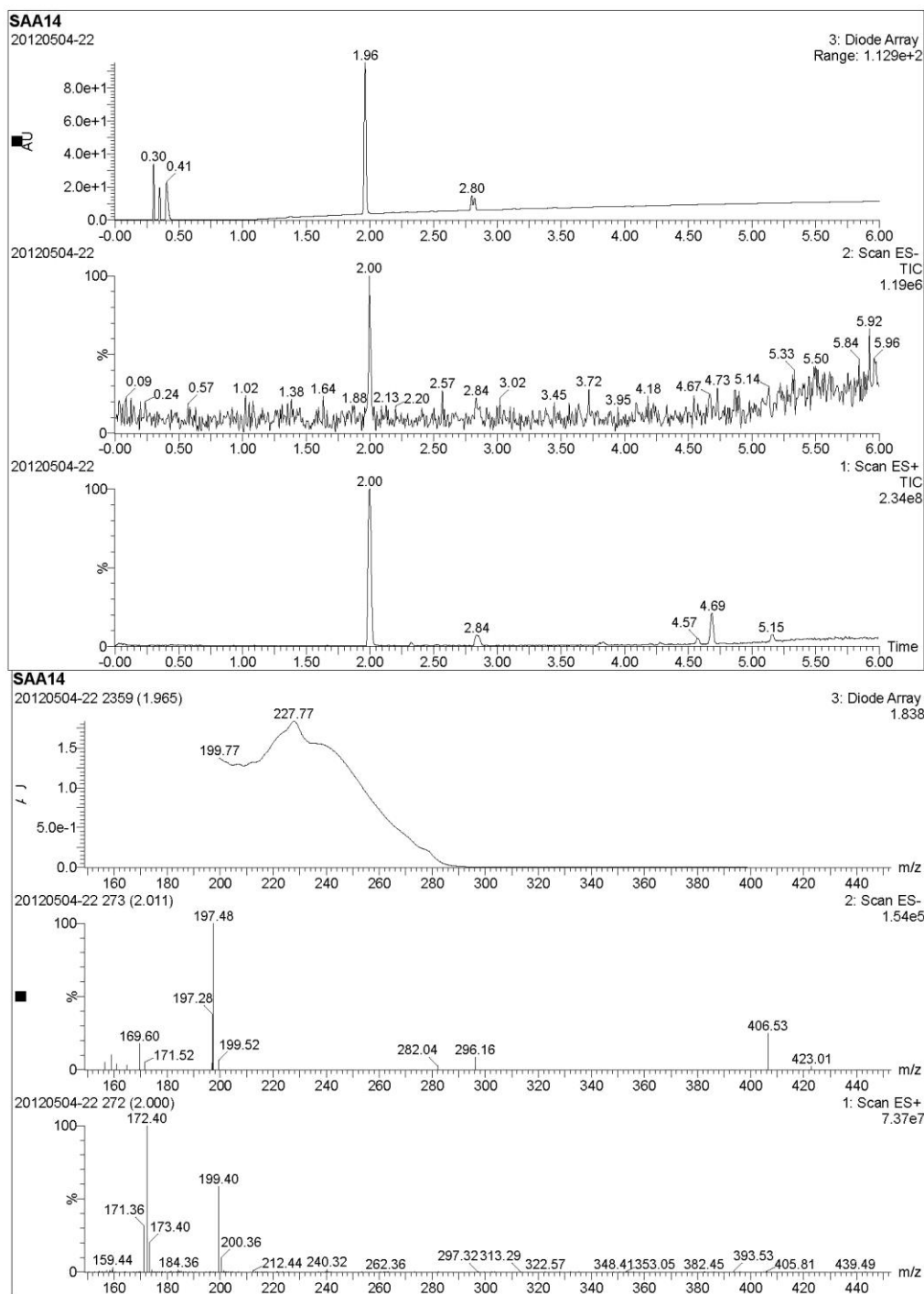
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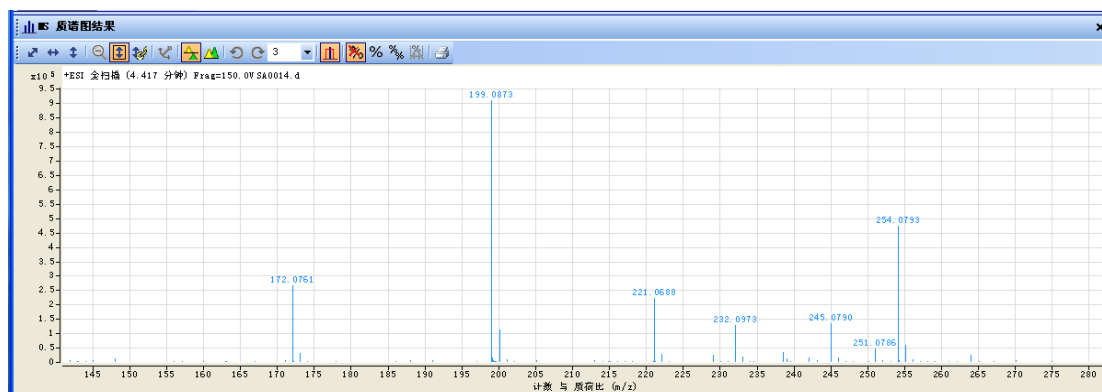
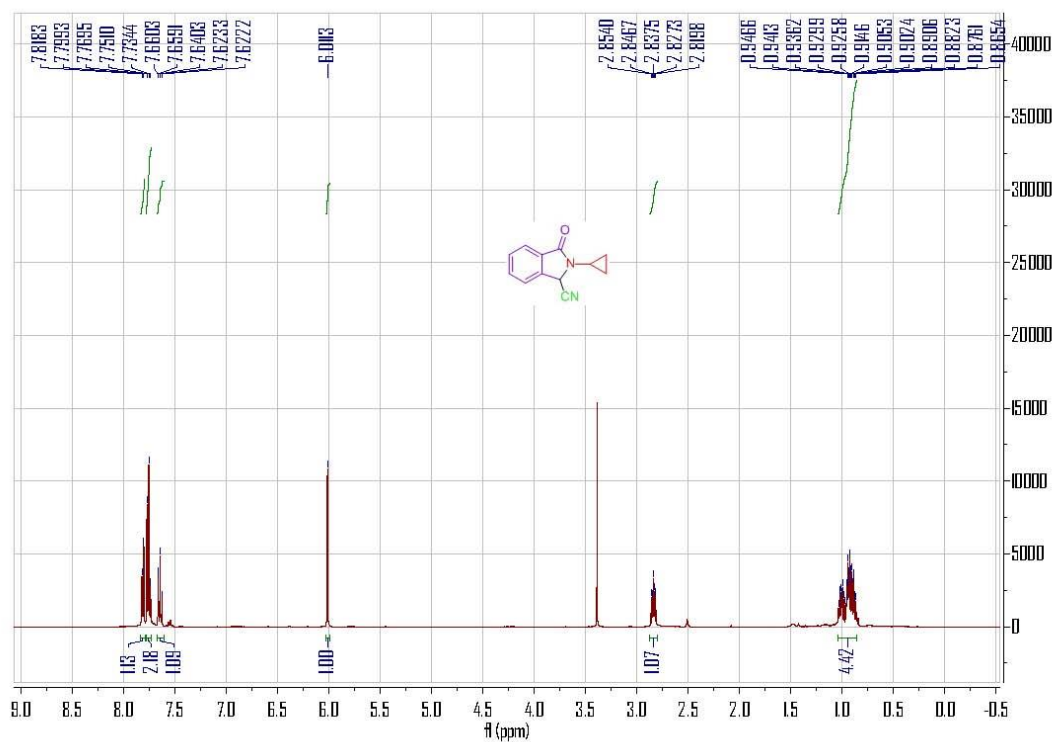


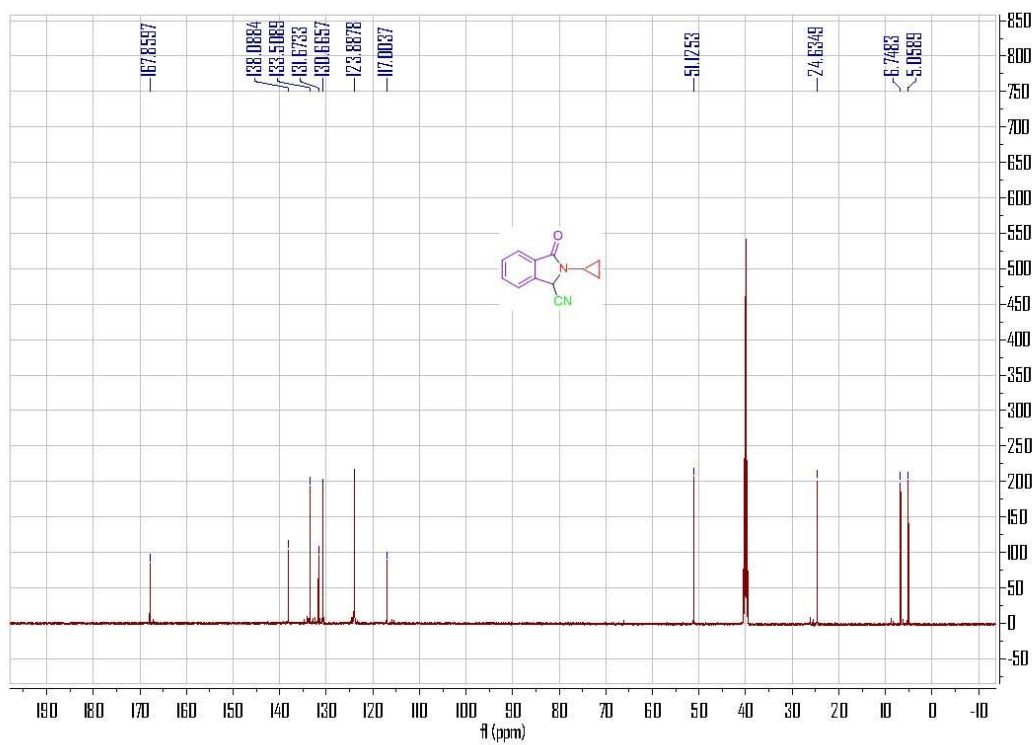
S42. HRESIMS spectrum of compound **4k**.S43.  $^1\text{H}$  NMR spectrum of compound **4k**.

**S44.**  $^{13}\text{C}$  NMR spectrum of compound **4k**.

S45. LCMS spectrum of compound 4I.

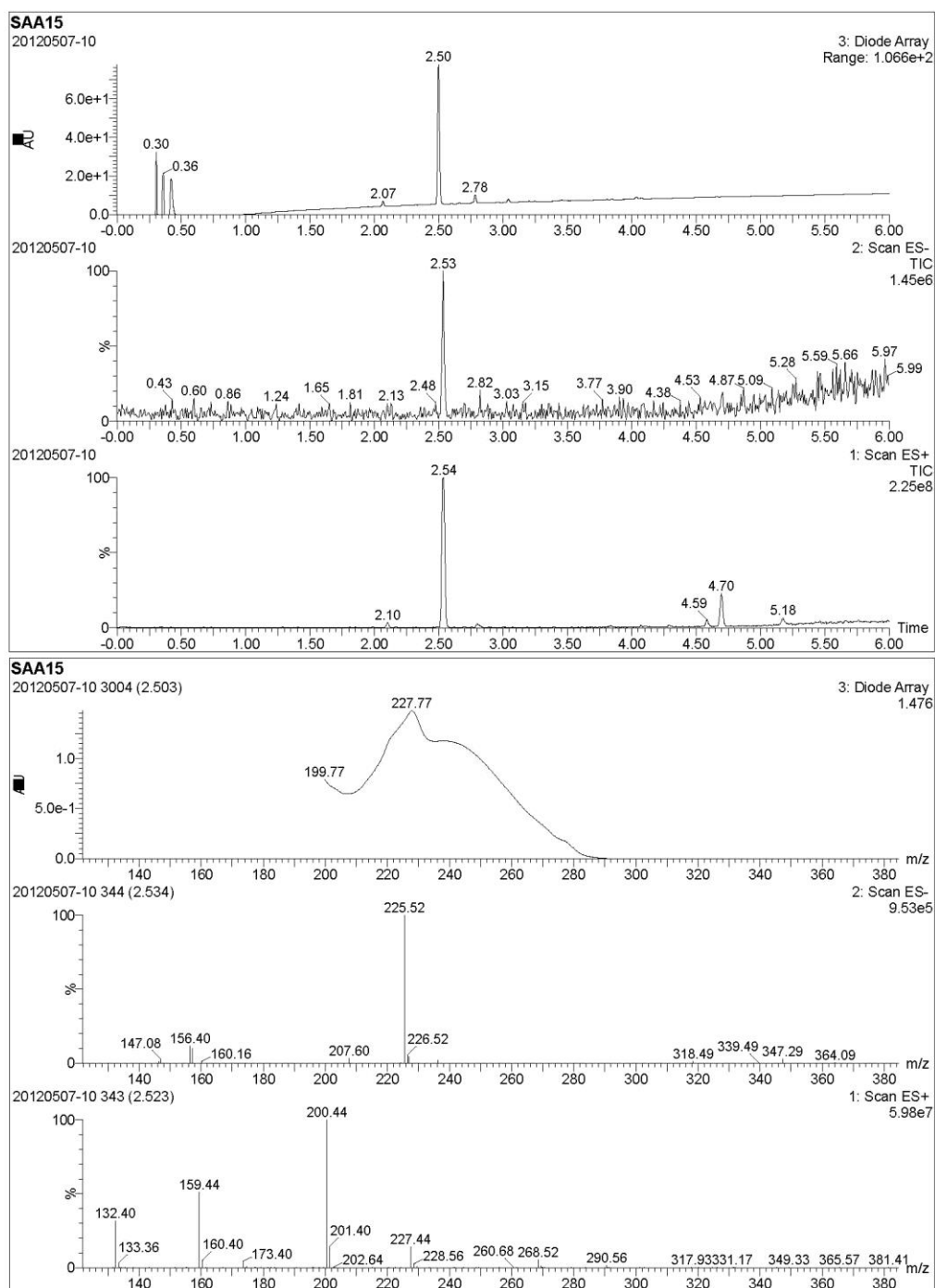


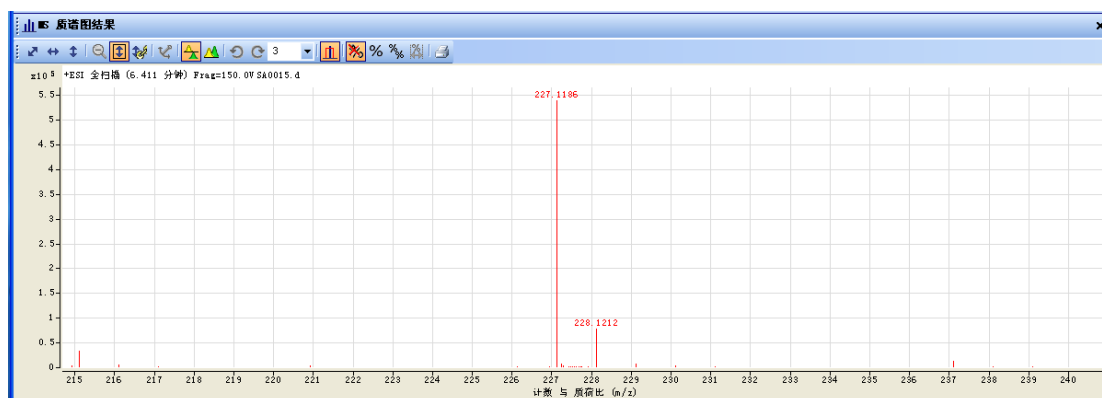
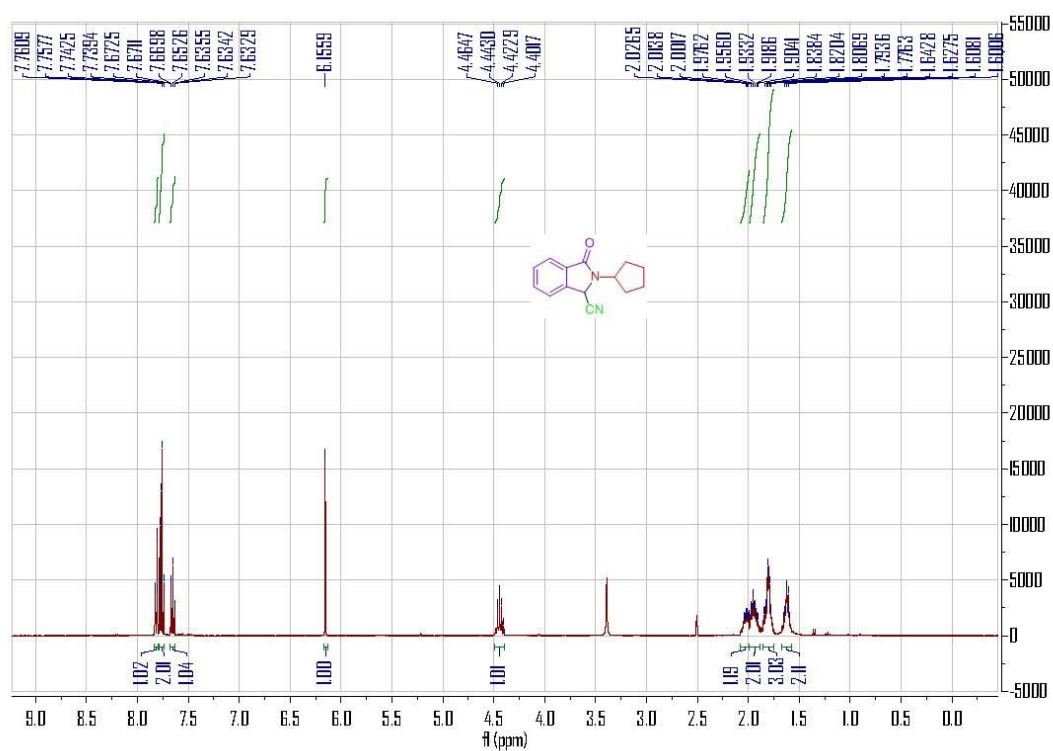
S46. HRESIMS spectrum of compound **4l**.S47.  $^1\text{H}$  NMR spectrum of compound **4l**.

**S48.**  $^{13}\text{C}$  NMR spectrum of compound **4l**.



## S49. LCMS spectrum of compound 4m.



S50. HRESIMS spectrum of compound **4m**.S51. <sup>1</sup>H NMR spectrum of compound **4m**.

S52.  $^{13}\text{C}$  NMR spectrum of compound **4m**.