

**Electronic Supplementary Information** 



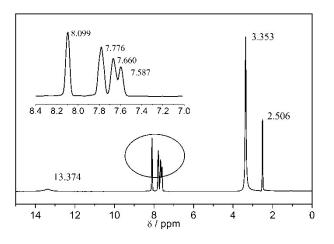
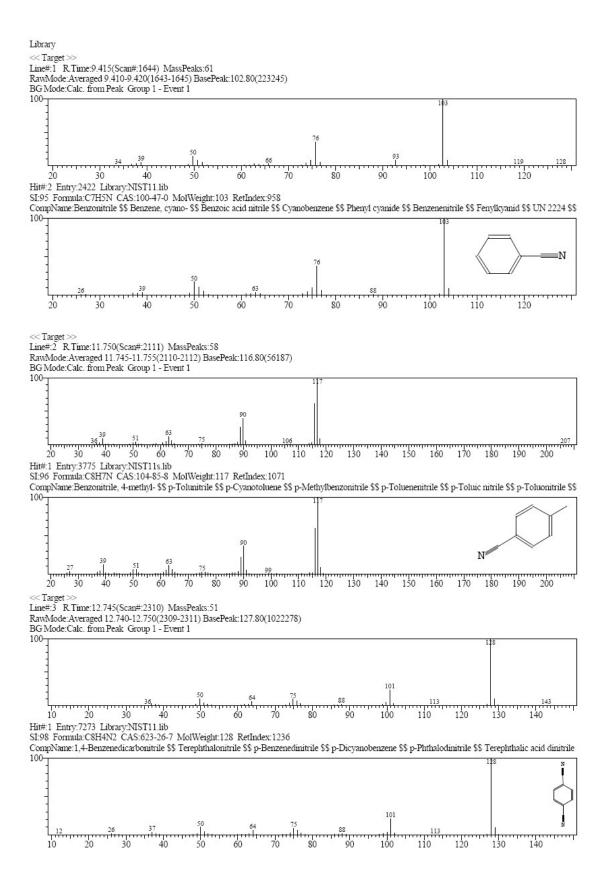
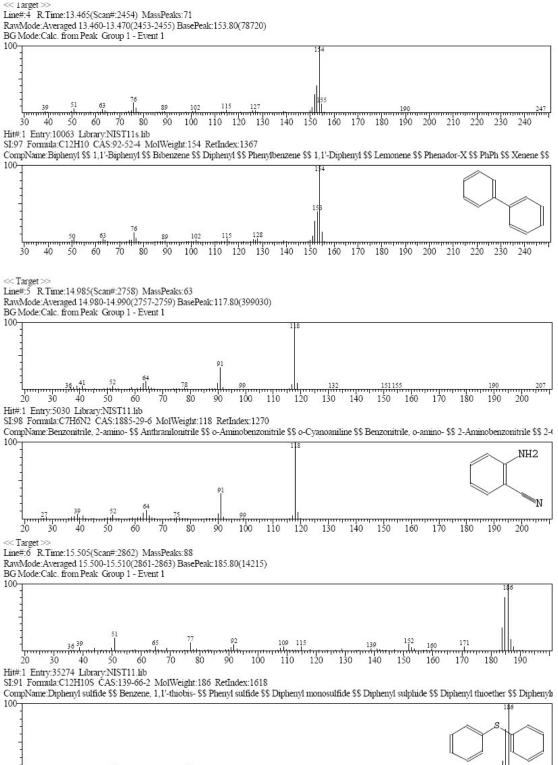
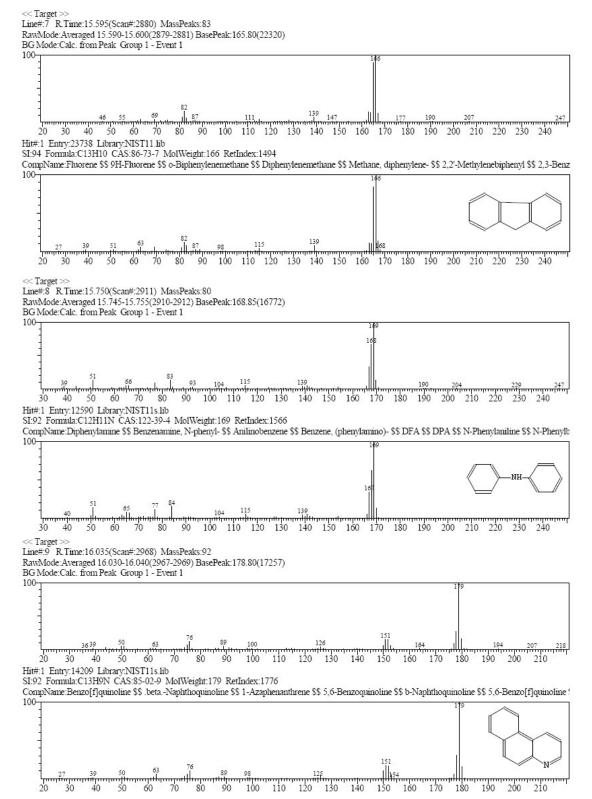


Figure S3. <sup>1</sup>H NMR spectrum of BCPPO in DMSO-d<sub>6</sub>

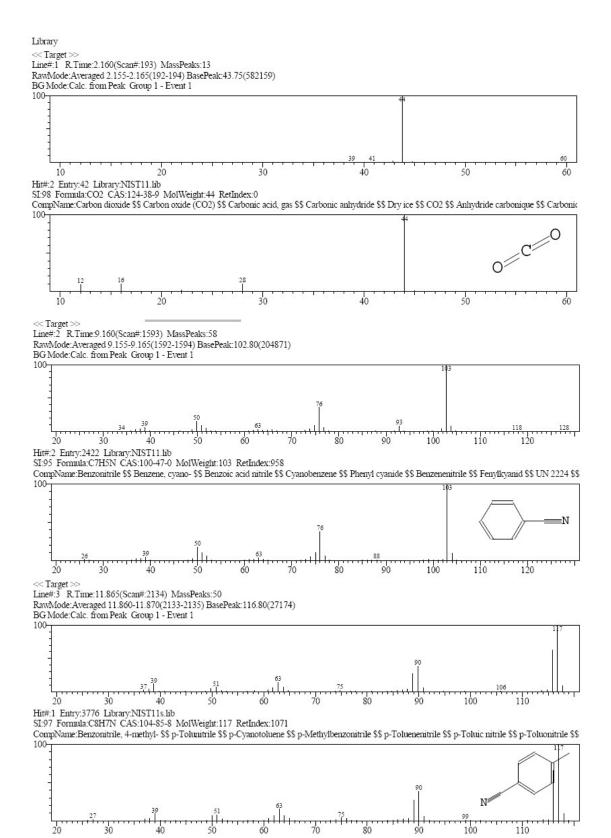




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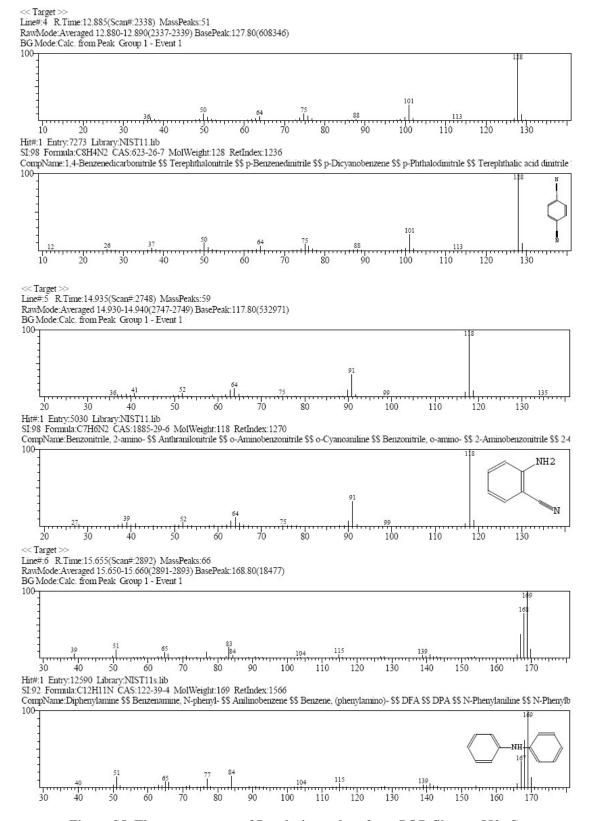
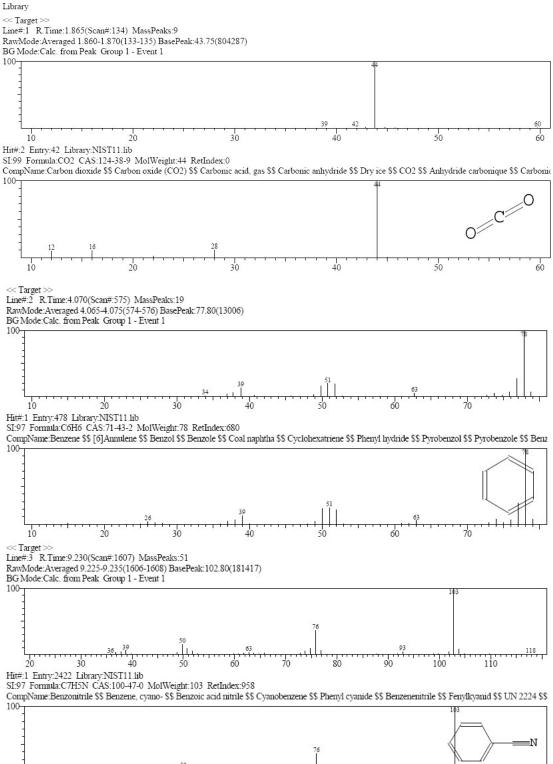
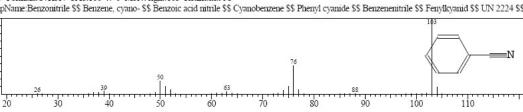
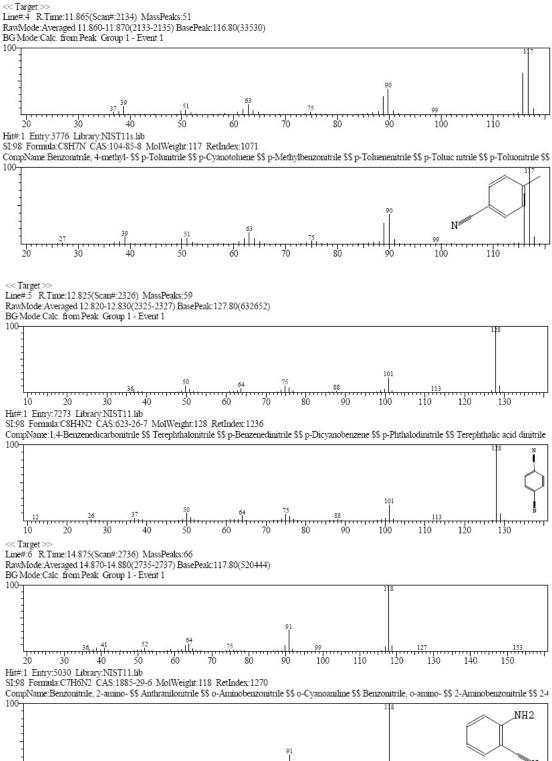
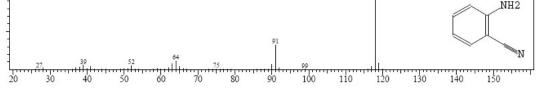


Figure S5. The mass spectra of Pyrolysis product for p-POD fiber at 550 °C









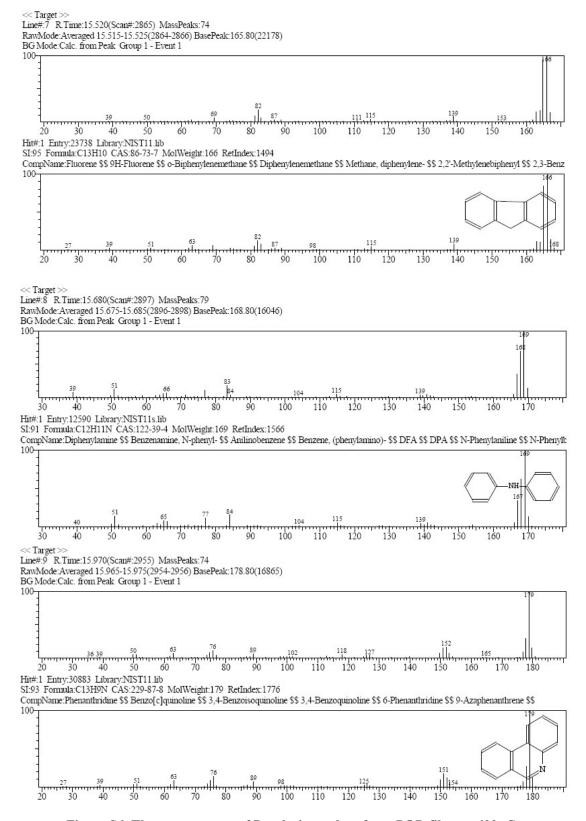
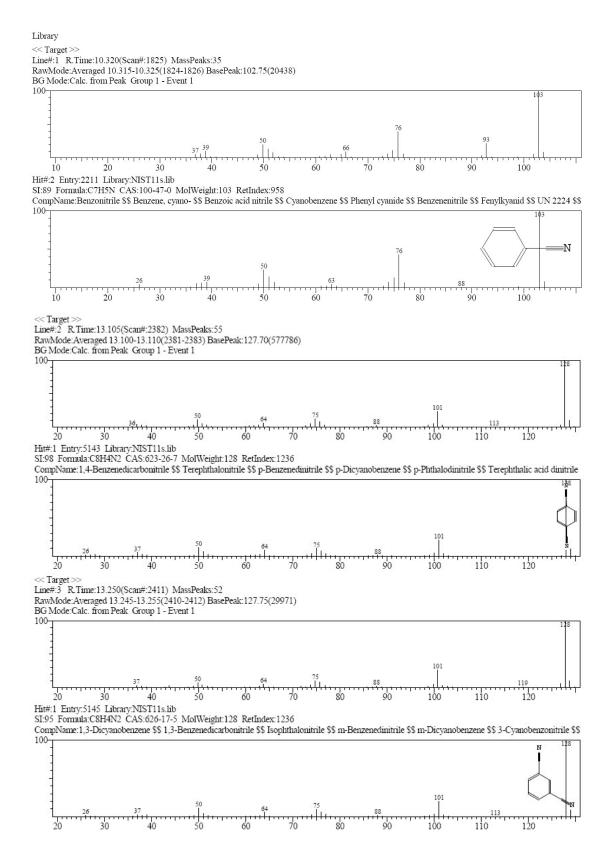


Figure S6. The mass spectra of Pyrolysis product for p-POD fiber at 600 °C



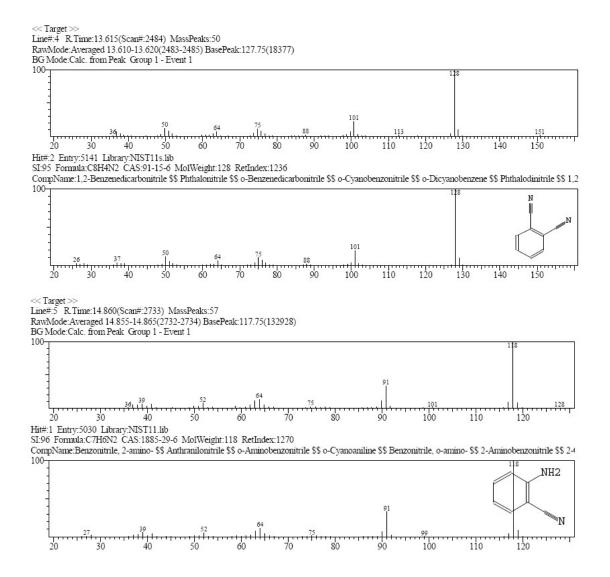
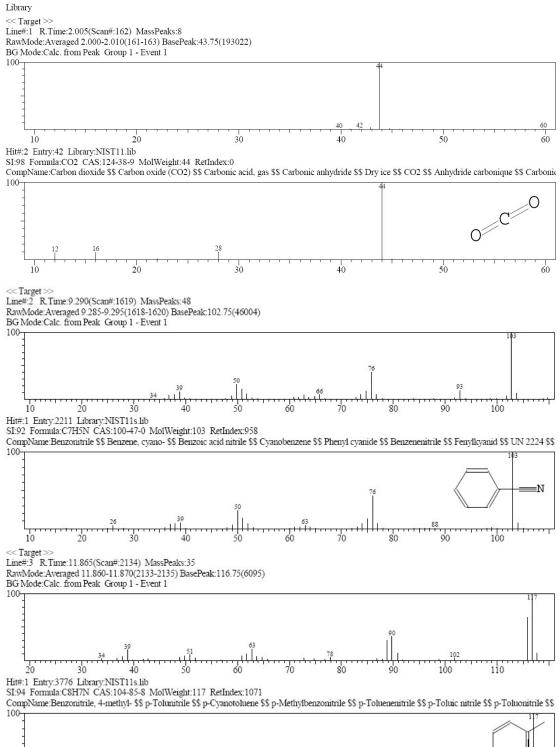
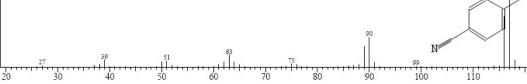
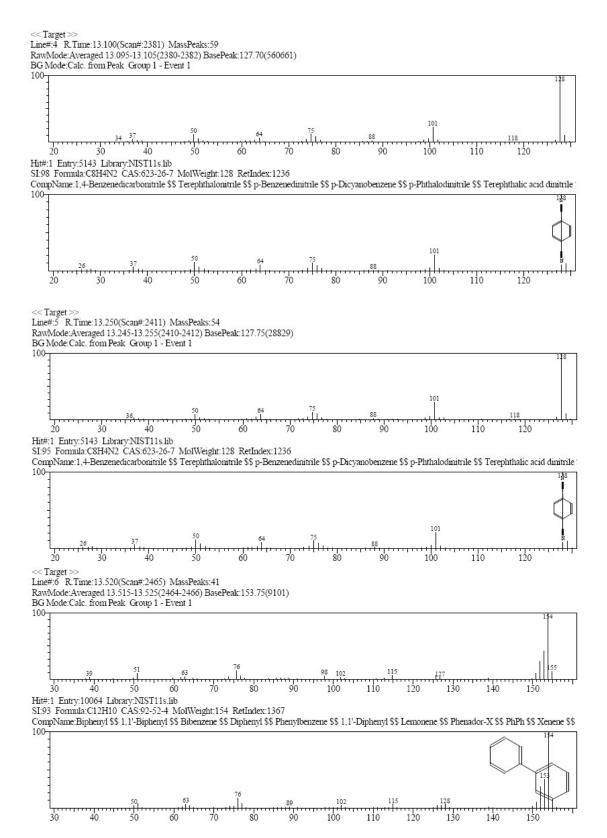
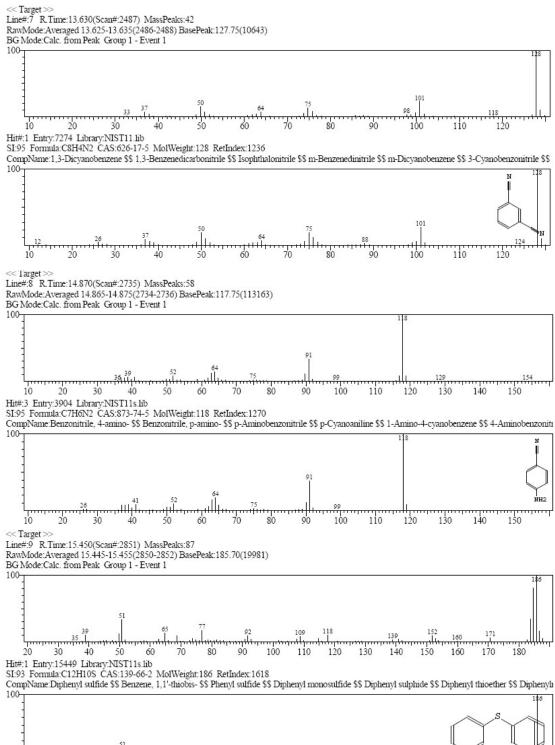


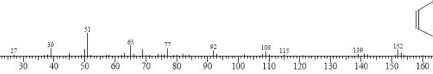
Figure S7. The mass spectra of Pyrolysis product for pho-POD-15 fiber at 500 °C











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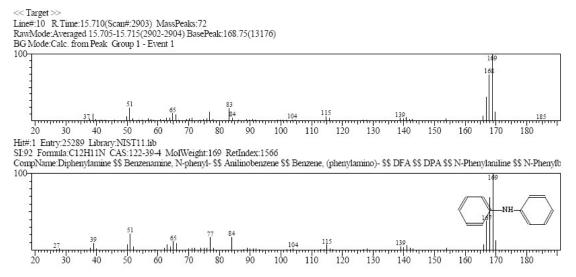
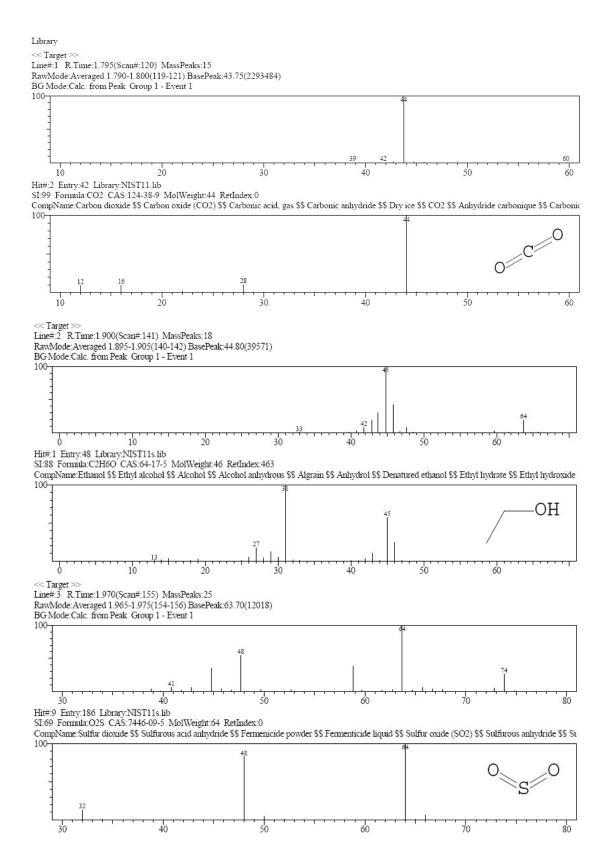
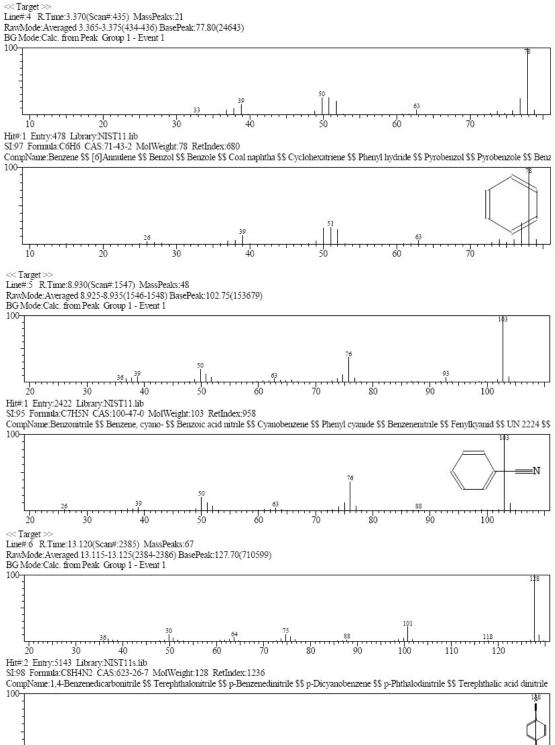
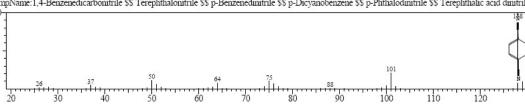
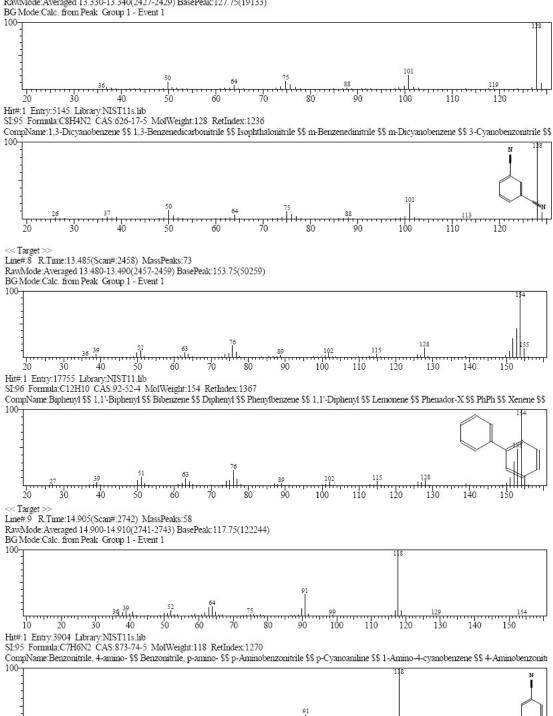


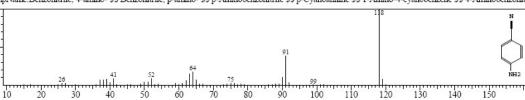
Figure S8. The mass spectra of Pyrolysis product for pho-POD-15 fiber at 550  $^{\rm o}{\rm C}$ 



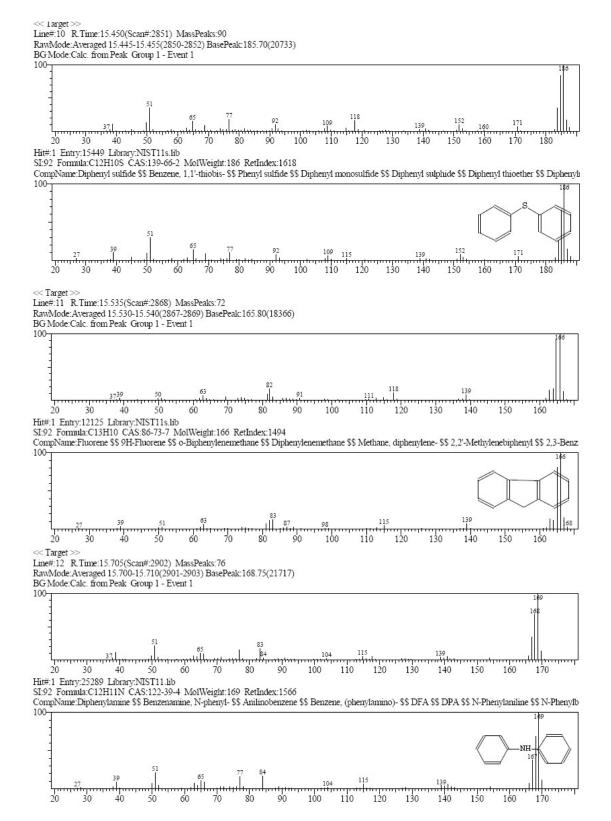








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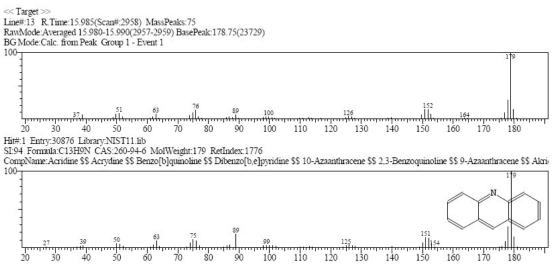


Figure S9. The mass spectra of Pyrolysis product for pho-POD-15 fiber at 600 °