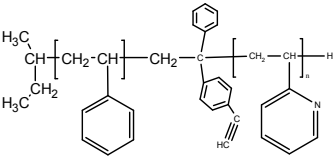


**Sample Name:** Poly (Styrenee-b-2-vinyl pyridine)  
bearing ethynyl (acetylenic triple bond) phenyl –  
phenyl ethylene at the junction of S-2VP block  
**Sample #:** P40219-S (acetylene) 2VP

**Structure:**

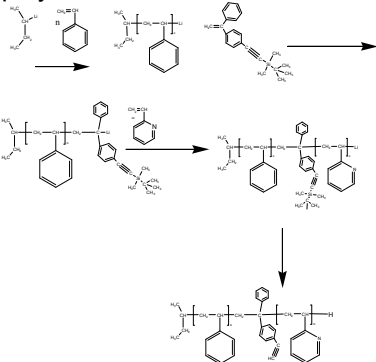


**Composition:**

Mn x 10 <sup>3</sup> S-b-2VP	PDI
112.5-b-119.0	1.08

**Synthesis Procedure:**

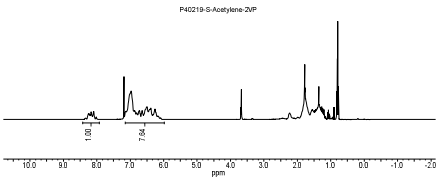
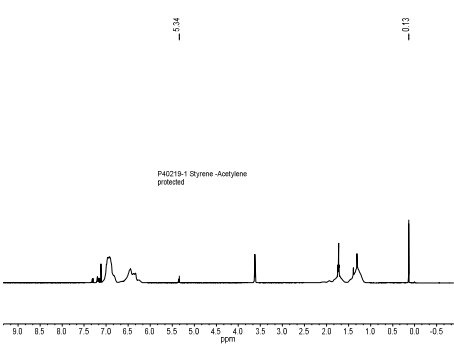
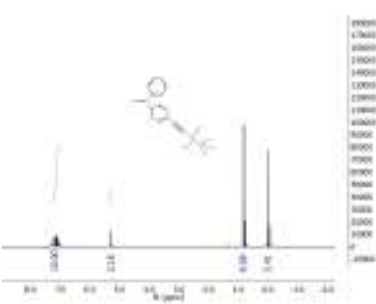
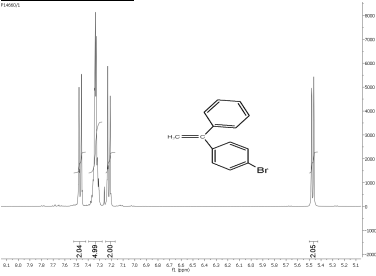
The polymer was synthesized by anionic polymerization.



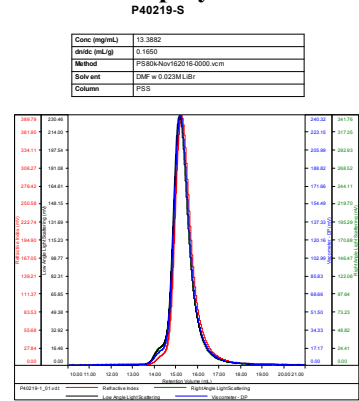
**Characterization:**

The product was characterized by size exclusion chromatography (SEC) and 1H NMR.

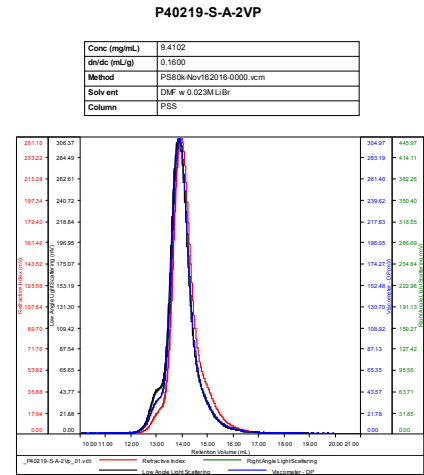
**DPE-4Br: The product was characterized by NMR and FTIR.**



**SEC for the polymer at different stages:**



Sample	Mn	Mw	Mp	Mw/Mn	PDI
P40219-1_01.v01	112.765	117.058	118.861	1.038	0.1670



Sample	Mn	Mw	Mp	Mw/Mn	PDI
P40219-S-A-2VP_01.v01	231.123	249.402	246.797	1.079	0.3445