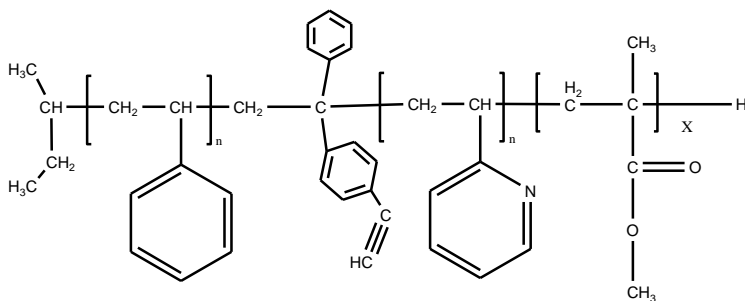


Sample Name:

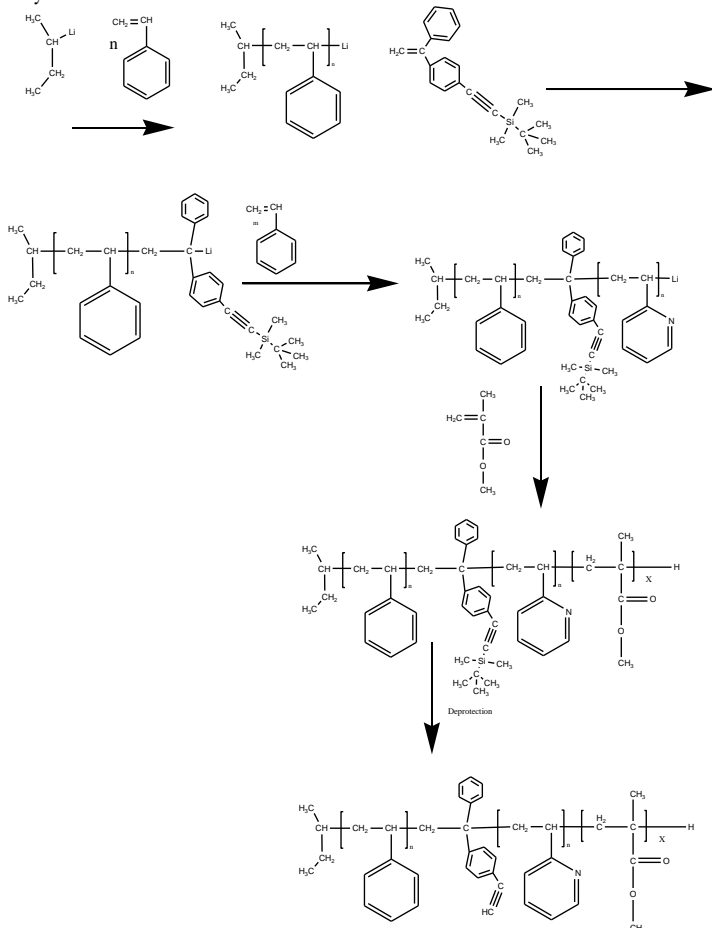
Poly(styrene-b-2-vinyl pyridine-methylmethacrylate) bearing ethynyl (acetylenic triple bond) phenyl-phenyl ethylene at the junction of S-2VP block

Sample #: P18352-S(acetylene) 2VPMMA**Structure:****Composition:**

Mn x 10 ³ S-b-2VP-b-MMA	PDI
27.0-b-13.5-b-109.0	1.13
T _g for PS block: 106°C T _g for 2VP block: Not found	T _g for MMA block: 118°C

Synthesis Procedure:

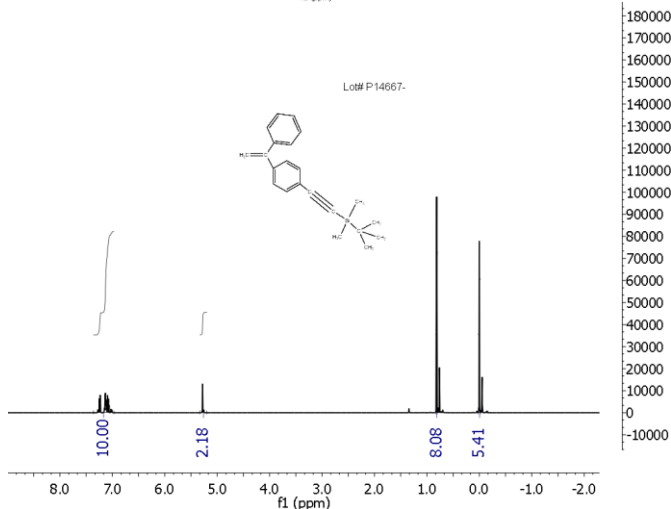
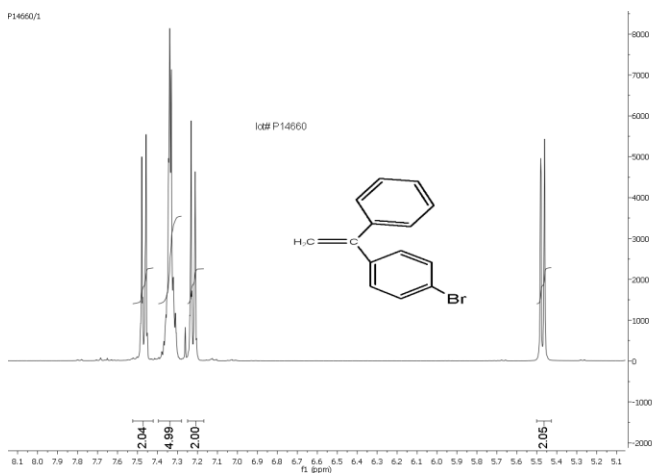
By anionic Process

**Characterization:**

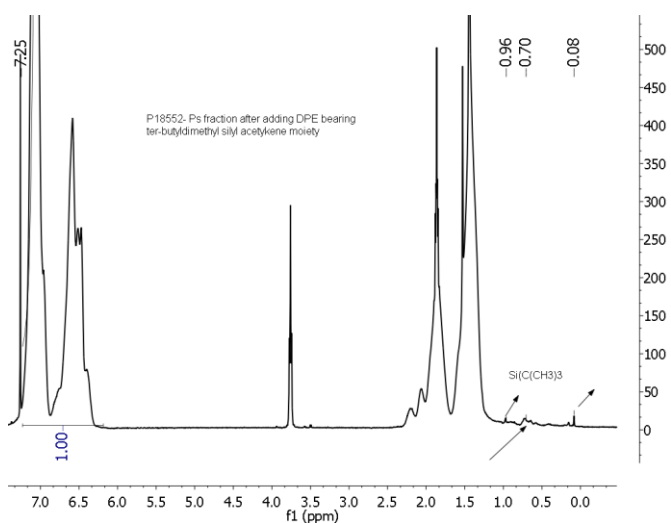
By SEC and HNMR spectroscopy.

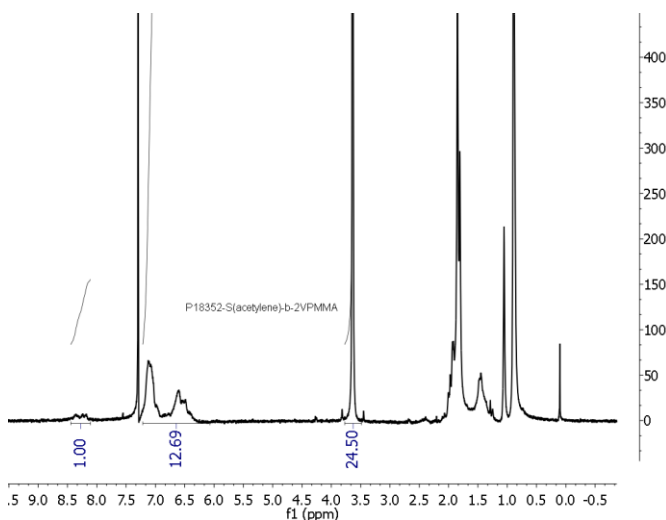
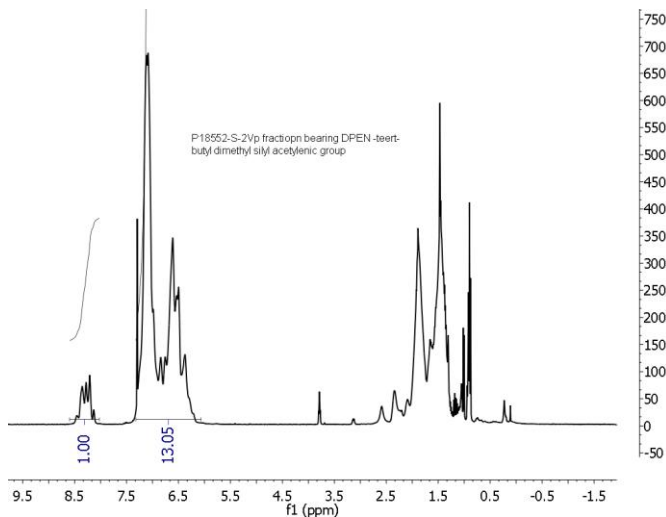
DPE-4Br:

The product was characterized by NMR and FTIR.



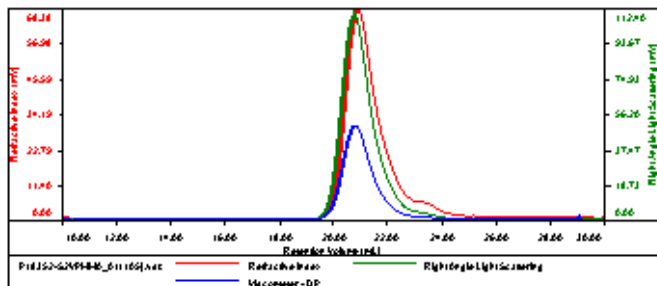
¹H-NMR Spectrum of the polymer



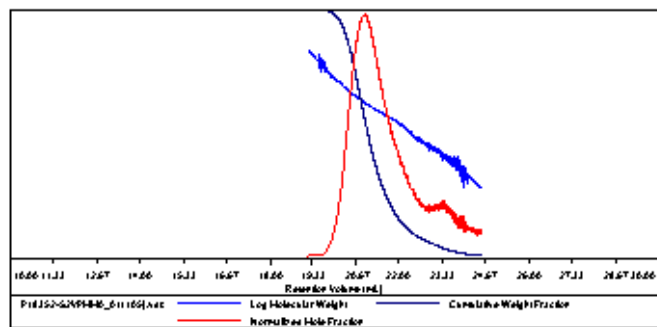


Sample ID: P18352-S2VPMMA

Concentration (mg/mL)	4.3063
Sample dn/dc (mL/g)	0.1130
Method File	PSS0K-NOV25-2013-0001.vcm
Column Set	3x PL 1113-6300
System	System 1

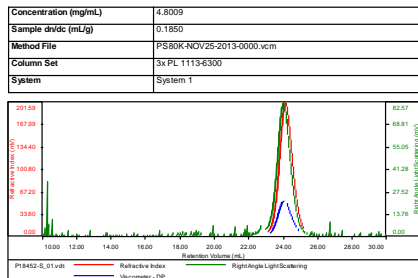


Sample	Mn	Mw	Mp	Mw/Mn	IV
P18352-S2VPMMA_01(105).vcl	149,928	169,630	185,035	1.131	0.5644



SEC for the polymer at different stages:

Sample ID: P18352-S



Sample	Mn	Mw	Mp	Mw/Mn	IV
P18452-S_01.vcl	26,902	28,383	27,070	1.055	0.2211

