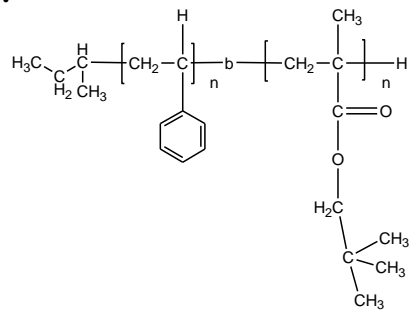


Sample Name: Poly (styrene-b-neopentyl methacrylate)

Sample #: P40935-SNPMA

Structure:



Composition:

$M_n \times 10^3$ S-b-NPMA	$M_w/M_n$
21.5-b-20.5	1.07

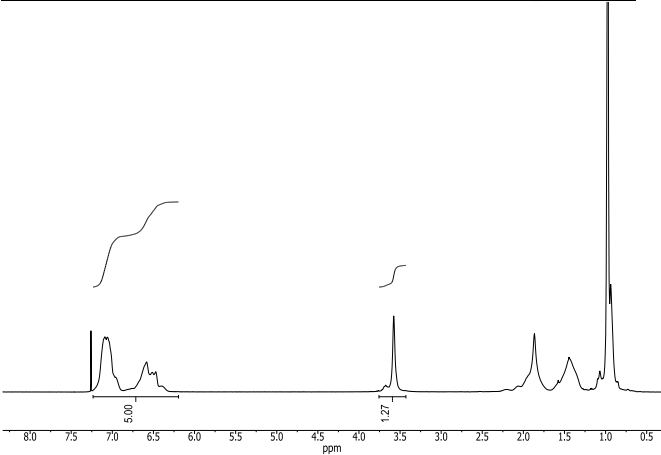
Synthesis:

The diblock copolymer was synthesized by anionic polymerization process.

Characterization:

The polymer was characterized by  $^1\text{H-NMR}$  and size exclusion chromatography (SEC).

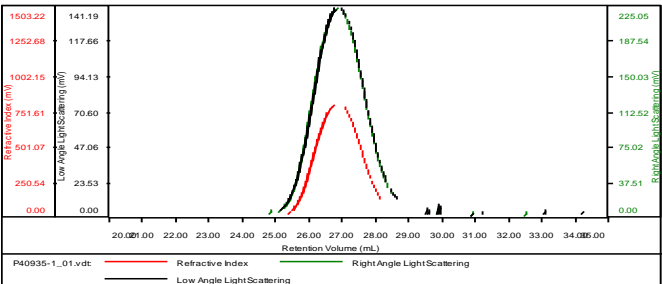
$^1\text{H NMR}$  (500 MHz, in  $\text{CDCl}_3$ ) of Block copolymer



SEC elugram of first block PS:

P40935-1-S

Concentration (mg/mL)	34.2040
Sample dn/dc (mL/g)	0.1850
Method File	PS80K-jan-2018-0000.vcm
Column Set	3x PL 1113-6300
Solvent	THF

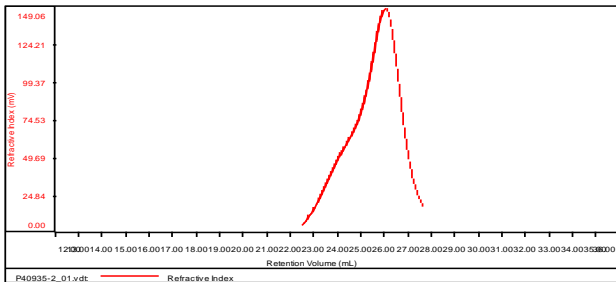


Sample	$M_n$ (Da)	$M_w$ (Da)	$M_w/M_n$
P40935-1_01.vdt	21,618	22,251	1.029

SEC elugram of the block polymer:

P40935-2-SNPMA

Concentration (mg/mL)	12.0830
Sample dn/dc (mL/g)	0.1400
Method File	PS80K-jan-2018-0000.vcm
Column Set	3x PL 1113-6300
Solvent	THF



Sample	$M_n$ (Da)	$M_w$ (Da)	$M_w/M_n$	$IV$ (dL/g)	$M_p$ (Da)
P40935-2_01.vdt	42,044	44,676	1.063	0.2360	33,502