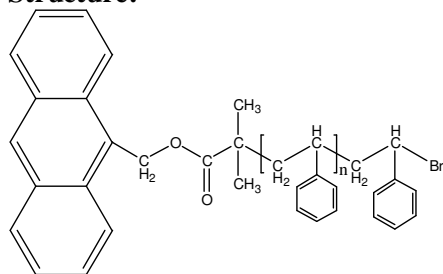


Sample Name: Anthracene ended Polystyrene

Sample #: P14970-S-An

Structure:

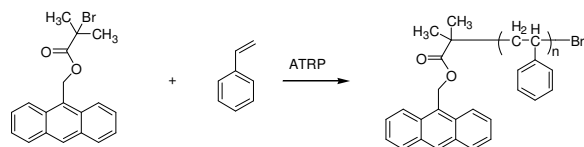


Composition:

Mn x 10 ³	PDI
20.5	1.4

Synthesis Procedure:

Anthracene ended polystyrene is prepared via atom transfer radical polymerization of styrene using an anthracene-containing initiator, 9-anthracenemethyl-2-bromoisobutyrate.



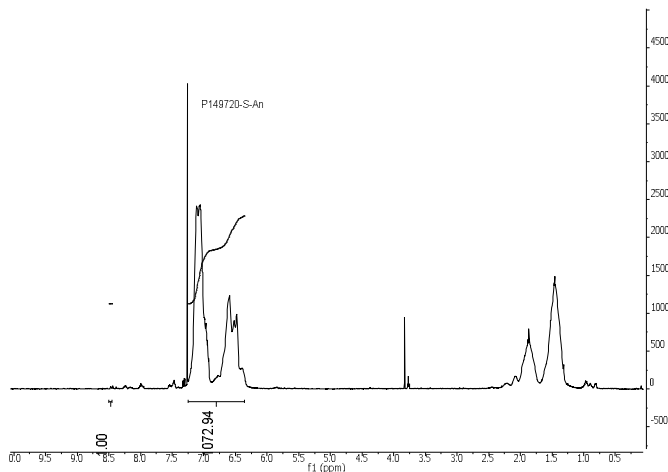
Characterization:

The polymer was characterized by SEC and ¹H NMR.

Solubility:

The polymer is soluble in toluene, THF, CHCl₃ and CH₂Cl₂. The polymer is insoluble in methanol, hexane and ether.

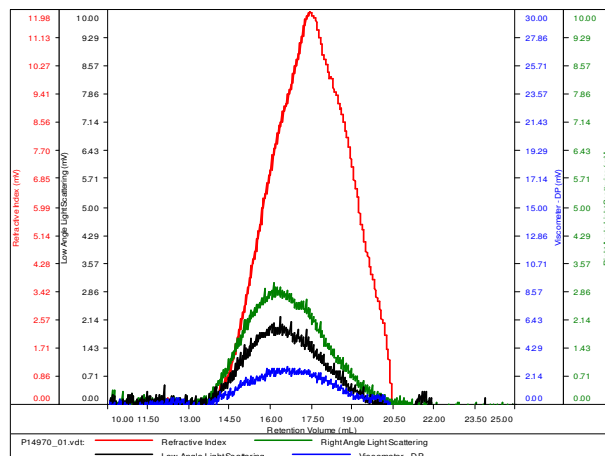
¹H NMR of the polymer:



SEC elugram:

SAMPLE ID: P14970-S-An

Conc (mg/mL)	0.9064
dn/dc (mL/g)	0.1650
Method	ps80k21Jan2016-DMF-0000.vcm
Solvent	DMF w 0.023M LiBr
Column	PSS



Sample	Mn	Mw	Mp	Mw/Mn	IV
P14970_01.vdt	20,611	29,084	22,358	1.411	0.1093