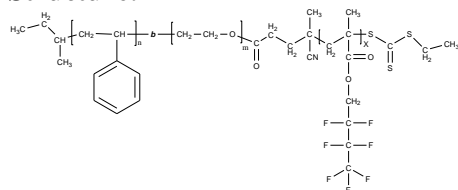


Sample Name: Poly (styrene-b-ethylene oxide-b-Hepta fluorobutylmethacrylate)

Sample #: P41513A-SEOHFBMA

Structure:



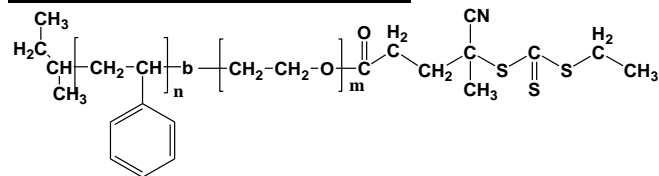
Composition:

Mn x 10 ³ S-b-EO-b-HFBMA	PDI
12.0-b-6.0-b-12.0	1.02

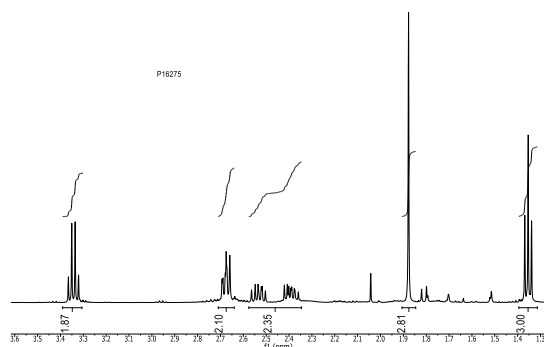
Synthesis Procedure:

The polymer was prepared by combination of anionic and RAFT polymerization process.

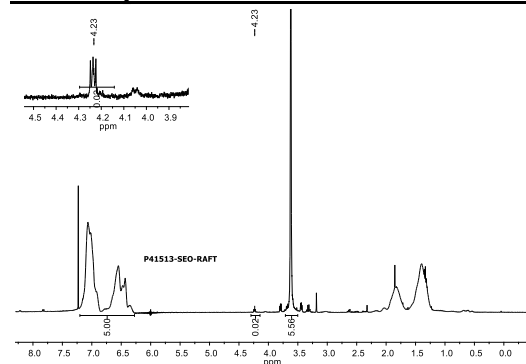
RAFT macroinitiator structure:



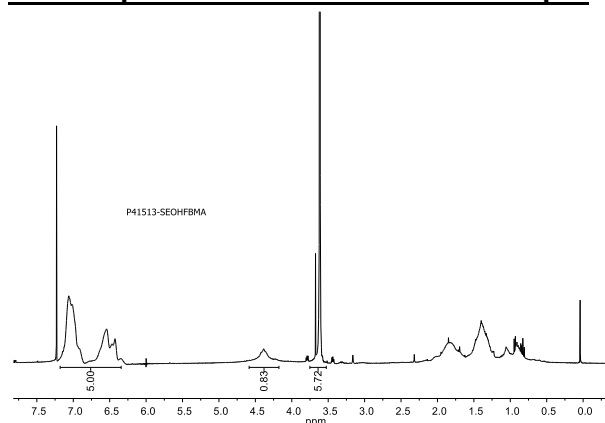
¹H NMR spectrum of the RAFT macroinitiator:



HNMR spectrum of SEO-terminated with RAFT

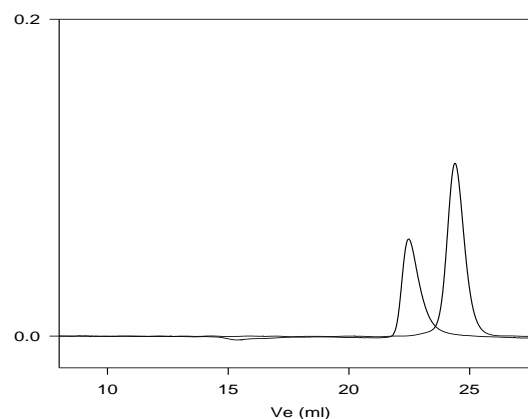


HNMR spectrum of the SEOHFBMA Sample:



SEC elugram of SEO-terminated with RAFT:

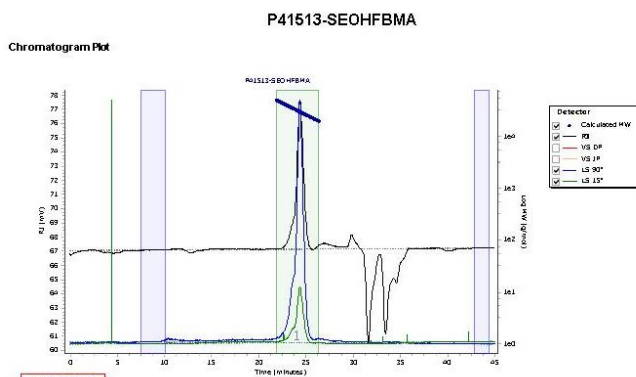
P41513-SEO-RAFT



Size Exclusion Chromatography:
 — Polystyrene, M_n=12,000, M_w=12,300, PI=1.02
 — Block Copolymer Polystyrene-b-Poly(ethylene oxide)
 Mw: PS(12,000)-b-PEO(6,000), PI=1.10

SEC elugram of the SEOHFBMA Sample:

Agilent GPC/SEC Software



Peak	Mp (g/mol)	Mn (g/mol)	Mw (g/mol)	Mz (g/mol)	Mz+1 (g/mol)	Mw (g/mol)	PD
Peak 1	30415	30594	30918	31265	31642	31625	1.011

Processing Parameters

Method
 Concentration Detector Used in
 Analysis
 Injection volume (μL)

Last modified by Polymer Source at 11:41:18 AM on October-24-18
 RI
 100.00