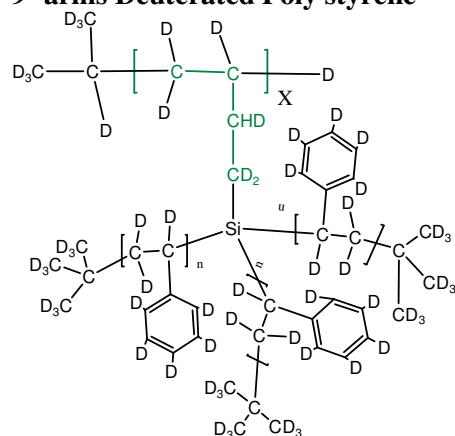
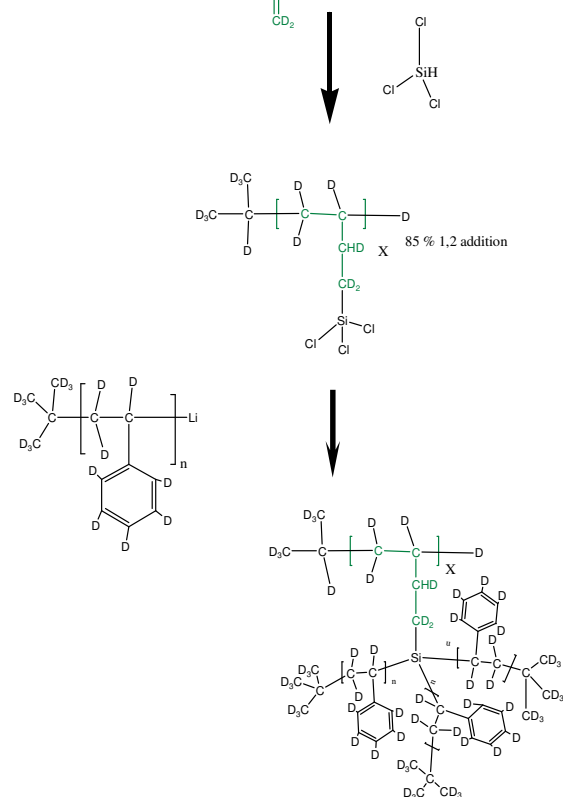


9- arms Deuterated Poly styrene

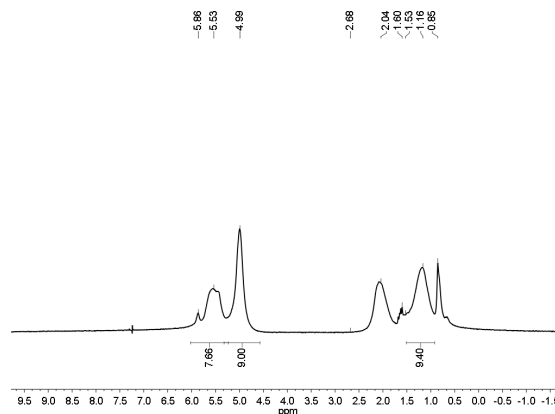


Mn x 10 ³ (total)	PDI
11.0 Mn of each arm: (1:1)	1.24

$$\begin{array}{c}
 \text{D}_3\text{C} \\
 | \\
 \text{D}_3\text{C}-\text{C}-\left[\text{C}-\text{CD} \right]-\text{D} \\
 | \quad | \quad | \\
 \text{D} \quad \text{D} \quad \text{CD} \\
 \quad \quad \quad | \\
 \quad \quad \quad \text{CD} \\
 \quad \quad \quad || \\
 \quad \quad \quad \text{CD}_3
 \end{array}
 \quad \text{X} \quad 85\% \text{ 1,2 addition}$$



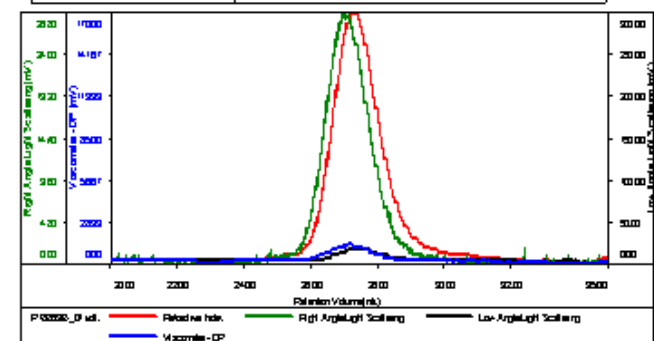
¹H NMR:



SEC of the Polymer: (each branch of Polystyrene)

SampleID: P18865b-dPS star

Concentration (mg/mL)	3.8757
Sample dilvdo (mL/g)	0.1860
Method File	P88DK0903-2014.0000.vwm
Column Set	3x PL 1113-6300
Solvent	THF



Sample	MW Number Average (Da)	MW Weight Average (Da)	MW at Peak (Da)	Polydispersity	Intrinsic Viscosity (dL/g)
PI886_3_01.vct	11,043	13,670	13,861	1.238	0.1230