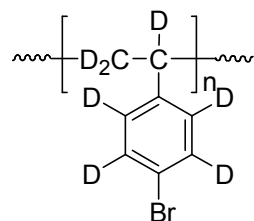


Sample Name: Deuterated (d7) Poly(4-Bromo styrene)

Sample #: P14020-d7PBrS



### Composition:

Mn x 10 <sup>3</sup>	PDI
17.5	1.15
T <sub>g</sub> (°C)	129

### Synthesis Procedure:

The polymer is synthesized by radical process.

### Characterization:

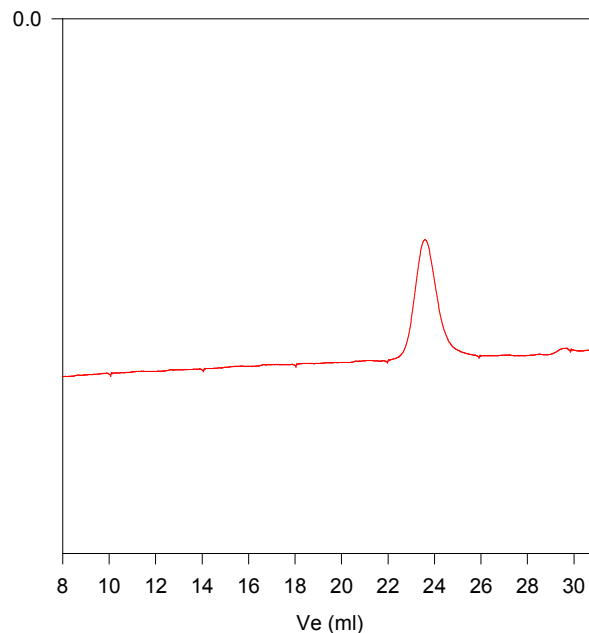
The molecular weight and polydispersity index (PDI) are obtained by size exclusion chromatography.

### Thermal analysis

Thermal analysis of the samples was carried out on a TA Q100 differential scanning calorimeter at a heating rate of 10°C/min. The midpoint of the slope change of the heat flow plot of the second heating scan was considered as the glass transition temperature (T<sub>g</sub>).

### SEC of Sample:

**P14020-Deuterated (d7)-4BrS**



Size exclusion chromatograph of deuterated-(d7) poly 4-Bromostyrene :

M<sub>n</sub>=17500, M<sub>w</sub>=20100 PI=1.15

### DSC thermogram for the polymer:

