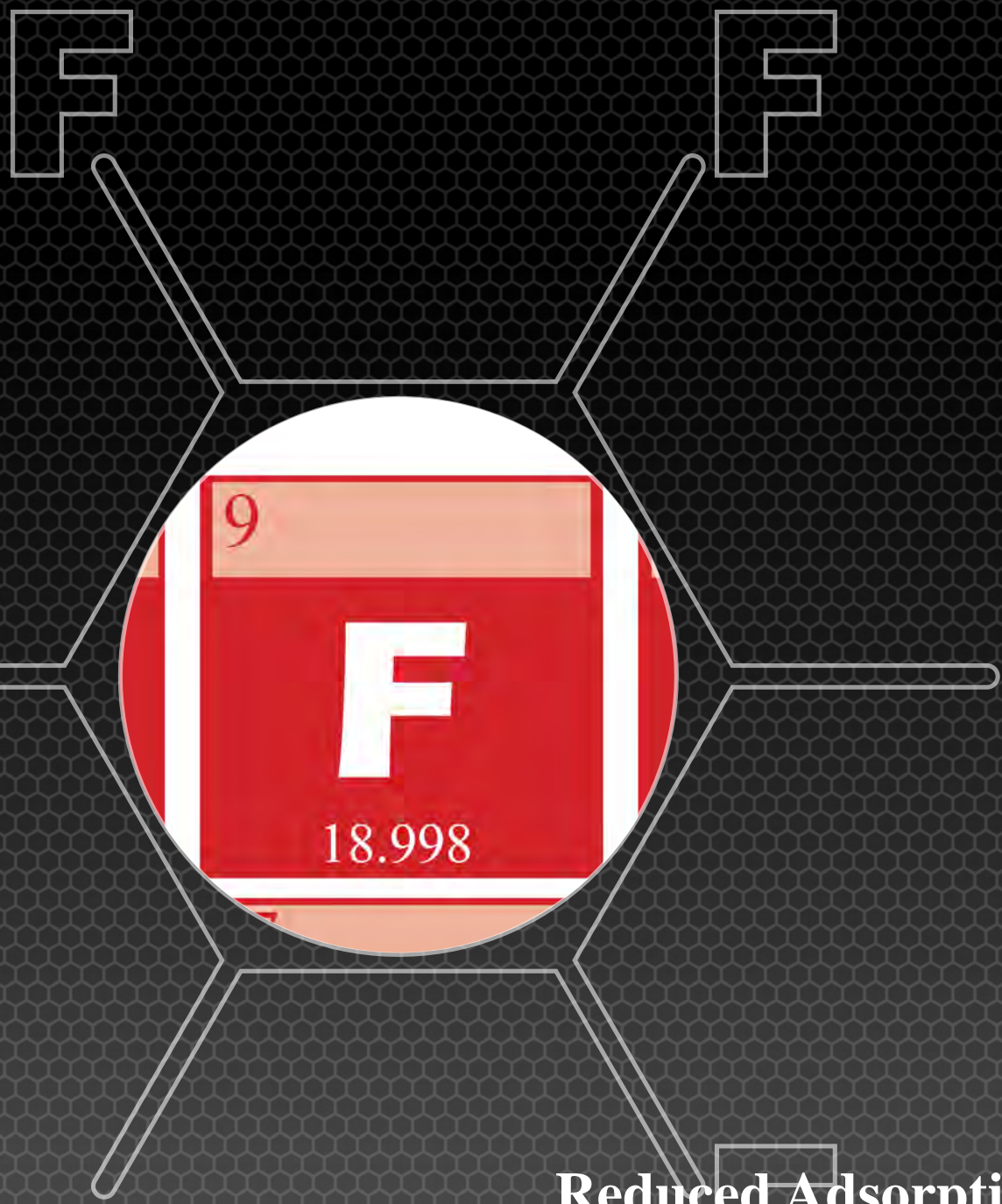


**FLUORINATED**

Material Solutions. Uncompromising Integrity.



# Fluorinated GPC Columns



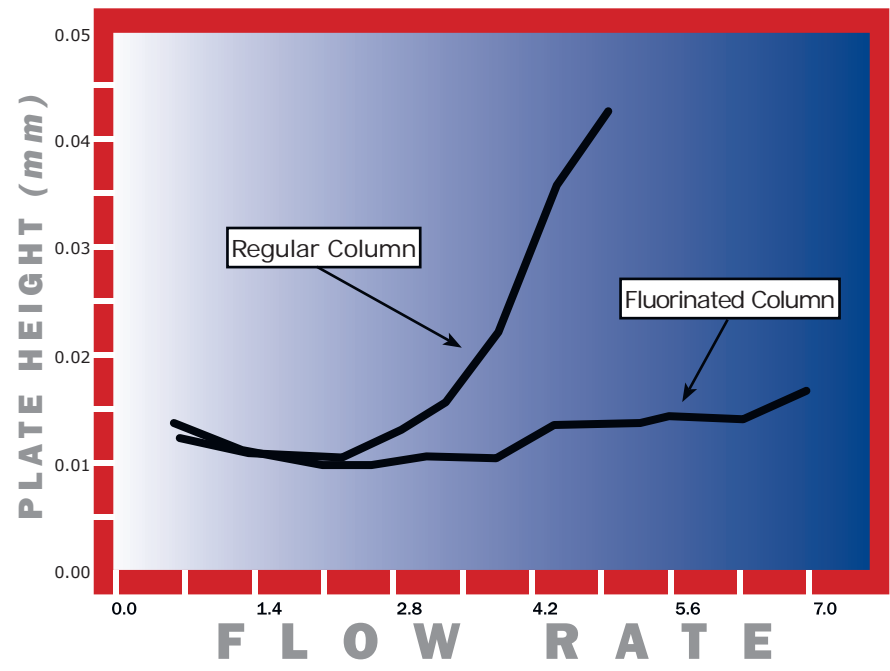
**Reduced Adsorption**

**High Resolution**

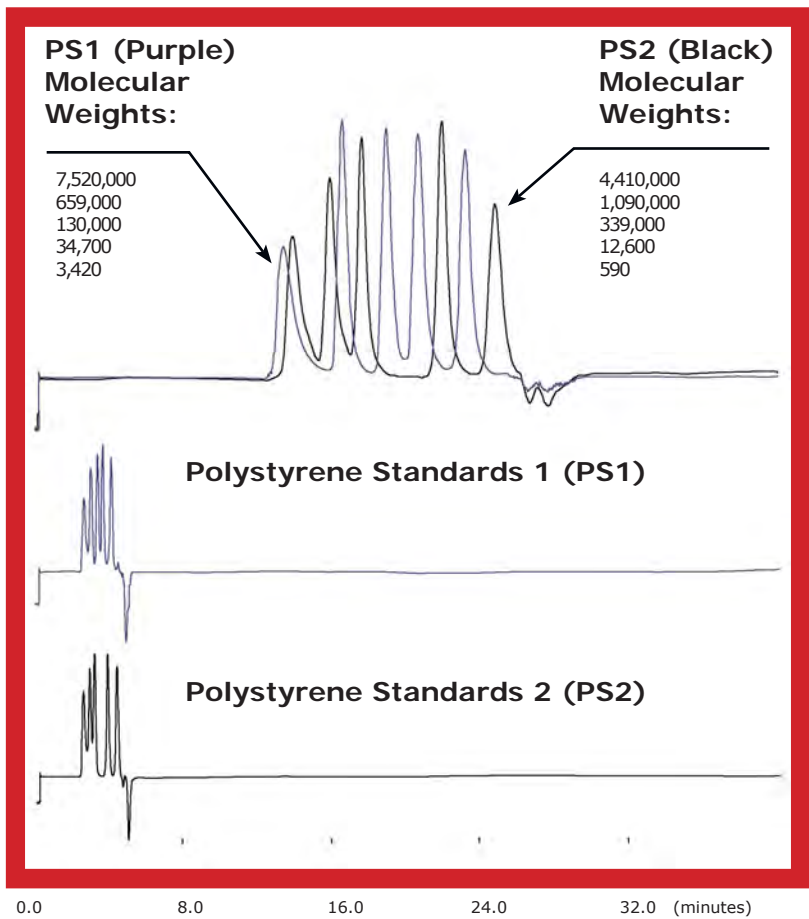
**High Speed**

# van Deemter Curves

Unlike traditional columns, Jordi Fluorinated columns maintain high efficiency at increased flow rates. The van Deemter Curve shows that plate counts decreased only slightly for the Fluorinated at flow rates as high as 7.0 mL/min. Thus separations can be performed at high speed without sacrificing resolution!

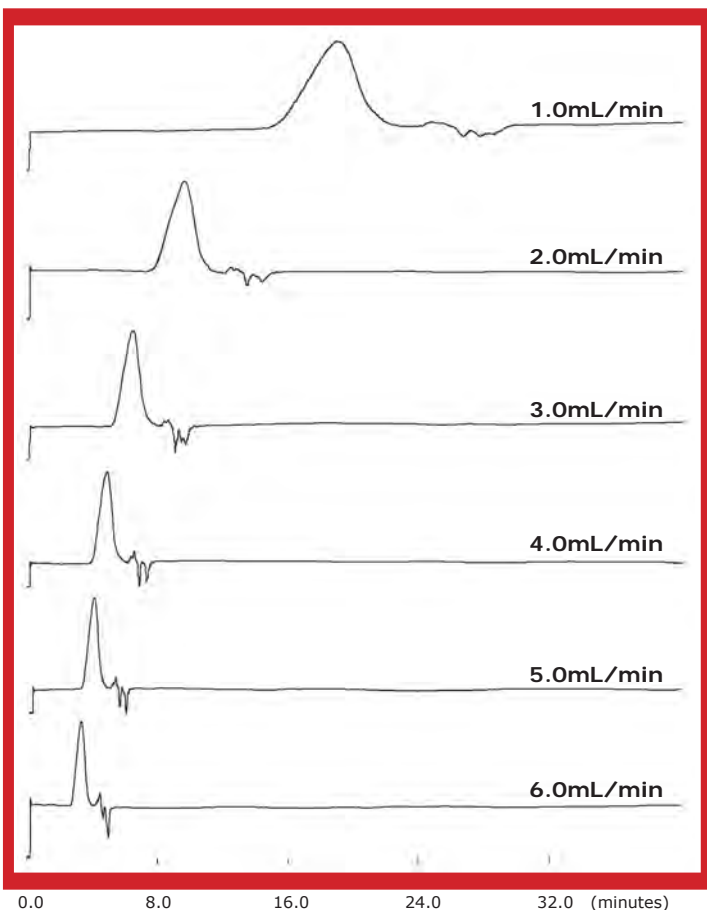


# Polystyrene Standards



Jordi Gel Fluorinated column 50 cm x 10 mm in THF at 35°C and 1.0 mL/min (top) and 6.0 mL/min (bottom two), showing resolution of all 10 standards at a high flow rate.

# Broad Distribution Sample



Flow Rate	Mn	Mw	Mz	PDI
1.0	91,621	248,804	565,682	2.71
2.0	97,130	260,683	557,700	2.68
3.0	92,892	251,692	523,895	2.71
4.0	88,404	242,257	516,378	2.73
5.0	92,129	249,506	543,497	2.71
6.0	97,155	248,177	504,640	2.55

% Dev.	Mn	Mw	Mz	PDI
	3.65	2.41	4.51	2.45

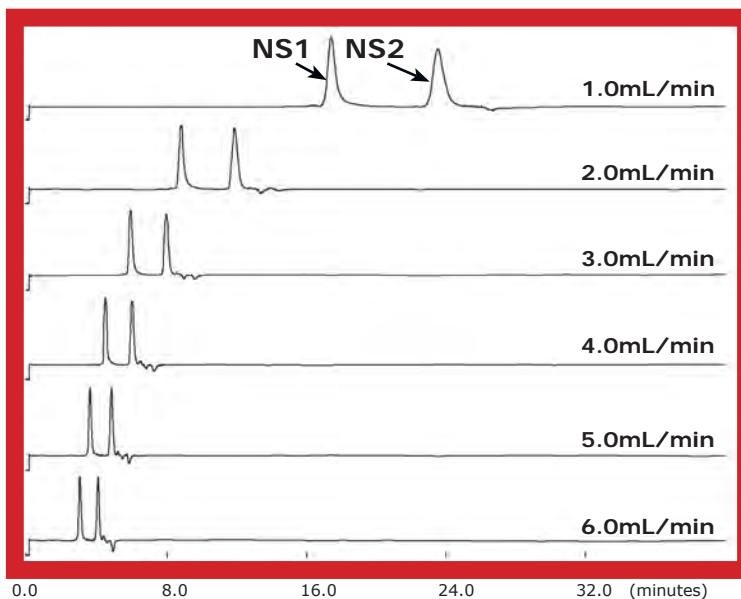
# Narrow Standards

## High Molecular Weight Narrow Standards (NS1)

Flow Rate	Mn	Mw	Mz	PDI
1.0	314,675	335,873	354,060	1.07
2.0	326,563	351,945	369,274	1.08
3.0	313,258	341,751	361,375	1.09
4.0	309,994	338,512	359,862	1.09
5.0	312,516	345,004	369,862	1.10
6.0	318,182	354,608	387,599	1.11

## Low Molecular Weight Narrow Standards (NS2)

Flow Rate	Mn	Mw	Mz	PDI
1.0	1,970	2,242	2,485	1.14
2.0	2,010	2,304	2,570	1.15
3.0	1,921	2,201	2,464	1.14
4.0	1,823	2,078	2,328	1.14
5.0	1,901	2,154	2,418	1.13
6.0	1,943	2,259	2,643	1.16

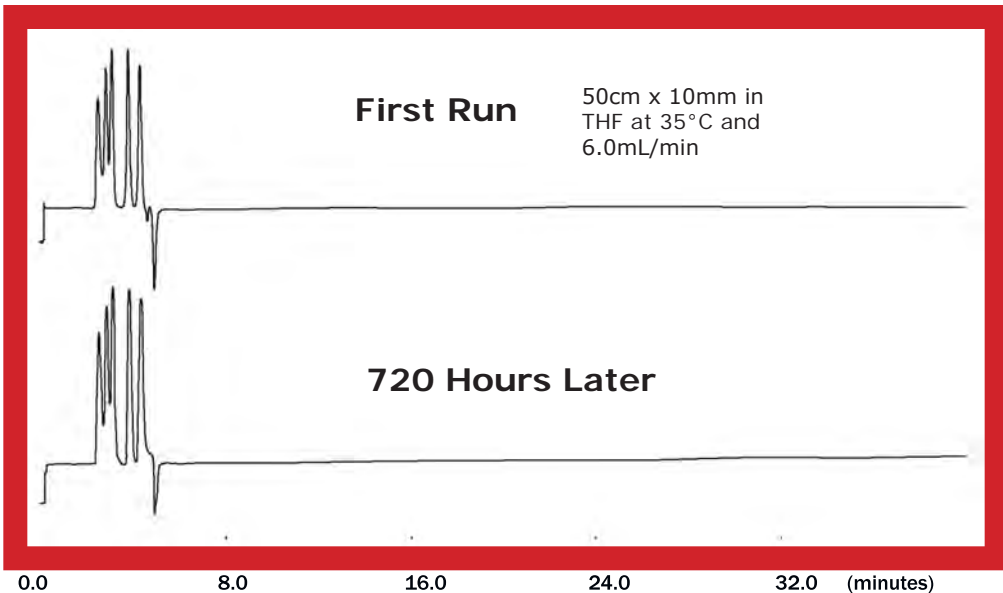


	Mn	Mw	Mz	PDI
NS1% Dev.	1.87	2.15	3.19	1.52
NS2% Dev.	3.32	3.68	4.47	0.93



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# Durability



Jordi Fluorinated columns are long lasting due to the 100% DVB polymer backbone. The above chromatograms show the F.I.A.S.H. after 720 hours of continuous use at 6.0 mL/min and still going strong.

Try the Fluorinated for yourself. Columns or Bulk Gel are available in porosities ranging from 100-10<sup>5</sup>Å and all column sizes.

**Call or email us for help selecting the product which is right for you.**



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