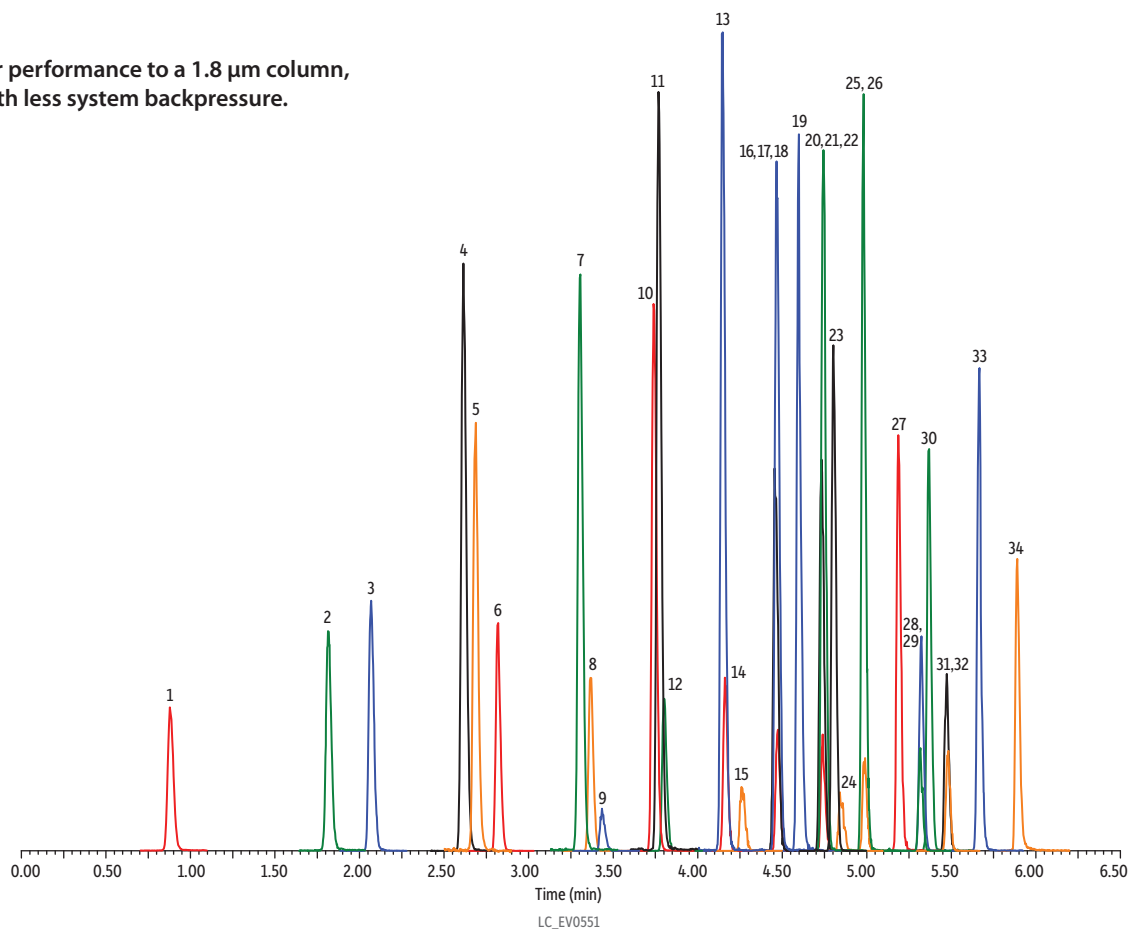


## Perfluorinated Compounds (PFCs) on Raptor C18 2.7 µm

- Similar performance to a 1.8 µm column, but with less system backpressure.



Peaks	tr (min)	Conc. (µg/mL)	Precursor Ion	Product Ion
1. Perfluorobutanoic acid (PFBA)	0.88	5	213.1	169.1
2. Perfluoropentanoic acid (PFPeA)	1.81	5	263.1	219.1
3. Perfluorobutane sulfonic acid (PFBS)	2.07	5	299.1	80.0
4. 1H, 1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2 FTS)	2.61	5	327.1	307.1
5. Perfluorohexanoic acid (PFHxA)	2.69	5	313.1	269.1
6. Perfluoropentane sulfonic acid (PFPeS)	2.82	5	349.1	80.0
7. Perfluoroheptanoic acid (PFHpA)	3.31	5	363.2	319.1
8. Perfluorohexane sulfonic acid (PFHxS)	3.37	5	399.1	80.0
9. 2-Perfluorohexyl ethanoic acid (FHEA)	3.43	250	377.1	293.1
10. 1H, 1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2 FTS)	3.74	5	427.2	407.2
11. Perfluorooctanoic acid (PFOA)	3.77	5	413.2	369.1
12. Perfluoroheptane sulfonic acid (PFHpS)	3.80	5	449.2	80.0
13. Perfluorononanoic acid (PFNA)	4.15	5	463.2	419.2
14. Perfluorooctanoic acid (PFOS)	4.16	5	499.2	80.0
15. 2-Perfluorooctyl ethanoic acid (FOEA)	4.26	250	477.2	393.2
16. 1H, 1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2 FTS)	4.45	5	527.2	507.2
17. Perfluorodecanoic acid (PFDA)	4.47	5	513.2	469.2
18. Perfluorononane sulfonic acid (PFNS)	4.48	5	549.2	80.0
19. N-Methyl perfluorooctane sulfonamidoacetic acid (N-MeFOSAA)	4.60	5	570.2	419.2
20. Perfluorodecane sulfonic acid (PFDS)	4.74	5	599.2	80.0
21. N-Ethyl perfluorooctane sulfonamidoacetic acid (N-EtFOSAA)	4.74	5	584.2	419.2
22. Perfluoroundecanoic acid (PFUnA)	4.74	5	563.2	519.2
23. Perfluorooctane sulfonamide (FOSA)	4.80	5	498.2	78.0
24. 2-Perfluorodecyl ethanoic acid (FDEA)	4.84	250	577.2	493.2
25. Perfluorododecanoic acid (PFDoA)	4.98	5	613.2	569.2
26. 1H, 1H, 2H, 2H-Perfluorododecane sulfonic acid (10:2 FTS)	4.99	5	627.2	607.2
27. Perfluorotridecanoic acid (PFTrDA)	5.19	5	663.2	619.2
28. N-Methyl perfluorooctane sulfonamide (N-MeFOSA)	5.32	5	512.2	169.1
29. N-Methyl perfluorooctane sulfonamidoethanol (N-MeFOSE)	5.32	50	616.3	59.1
30. Perfluorotetradecanoic acid (PFTeDA)	5.37	5	713.2	669.2
31. N-Ethyl perfluorooctane sulfonamide (N-EtFOSA)	5.48	5	526.2	169.1
32. N-Ethyl perfluorooctane sulfonamidoethanol (N-EtFOSE)	5.48	50	630.3	59.1
33. Perfluorohexadecanoic acid (PFHxDA)	5.67	5	813.3	769.3
34. Perfluorooctadecanoic acid (PFODA)	5.89	5	913.3	869.3

**Column** Raptor C18 (cat.# 9304A52)  
**Dimensions:** 50 mm x 2.1 mm ID  
**Particle Size:** 2.7 µm  
**Pore Size:** 90 Å  
**Temp.:** 40 °C

**Sample**  
**Diluent:** 80:20 Water:methanol  
**Conc.:** 5-250 ng/mL  
**Inj. Vol.:** 5 µL

**Mobile Phase**  
**A:** Water, 5 mM ammonium acetate  
**B:** Methanol

Time (min)	Flow (mL/min)	%A	%B
0.00	0.4	80	20
6.00	0.4	5	95
6.50	0.4	5	95
6.51	0.4	80	20
8.00	0.4	80	20

**Detector** MS/MS  
**Ion Mode:** ESI-  
**Mode:** MRM  
**Instrument** UHPLC