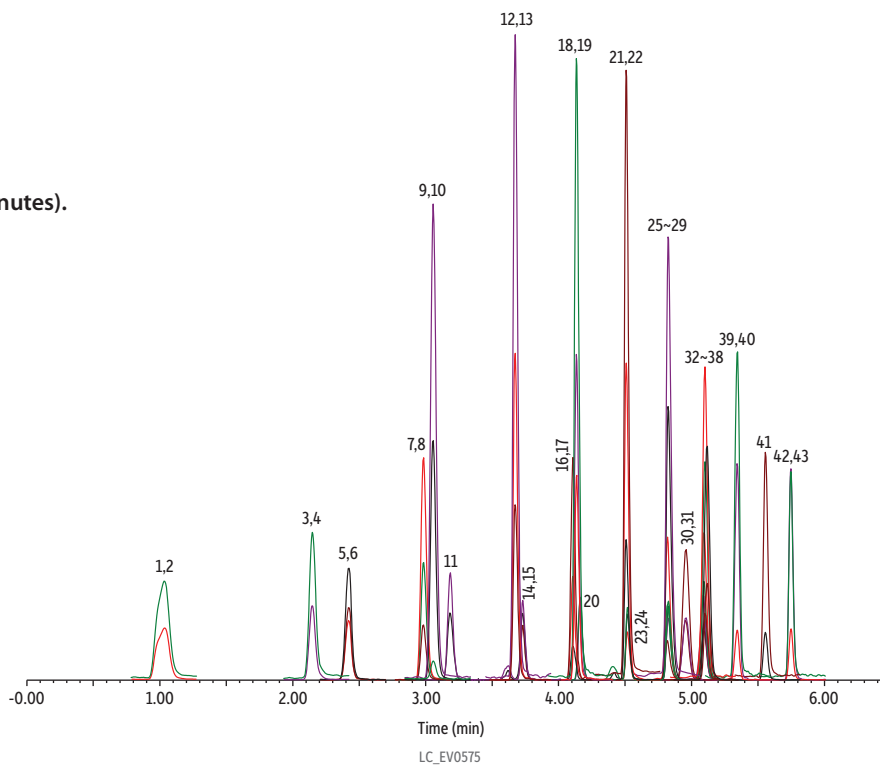


EPA 8327 PFAS on Raptor C18

- Short cycle time (8 minutes).



Peaks	tr (min)	Conc. (ng/L)	Precursor Ion	Product Ion	Product Ion	Column	Diluent	Conc.	Inj. Vol.	Mobile Phase	Time (min)	Flow (mL/min)	%A	%B	Detector	Notes
1. Perfluorobutanoic acid (PFBA)	1.04	80	231.1	169.1	-	Raptor C18 (cat.# 9304A52)	50:50 Water:methanol, 0.1% acetic acid	80 ppt (40 ppt for surrogate or isotopically-labelled PFAS)	10 µL	A: Water, 5 mM ammonium acetate B: Methanol	0.00	0.4	80	20	MS/MS	A PFAS delay column (cat.# 27854) was installed before the injector.
2. Perfluoro- <i>n</i> -[¹³ C ₄]butanoic acid (M4PFBA)	1.04	40	217.0	172.0	-	Dimensions: 50 mm x 2.1 mm ID					6.00	0.4	5	95	ESI-	
3. Perfluoropentanoic acid (PFPeA)	2.14	80	263.0	219.0	-	Particle Size: 2.7 µm					6.00	0.4	80	20	MRM	
4. Perfluoro- <i>n</i> -[¹³ C ₅]pentanoic acid (M5PFPeA)	2.14	40	268.0	223.0	-	Pore Size: 90 Å					8.00	0.4	80	20	UHPLC	
5. Perfluorobutane sulfonic acid (PFBS)	2.42	80	299.1	80.0	99.0	Temp.: 40 °C										
6. Perfluoro-1-[2,3,4- ¹³ C ₃]butyl sulfonic acid (M3PFBS)	2.42	40	302.0	80.0	-	Sample										
7. 1H, 1H, 2H, 2H-perfluorohexane sulfonic acid (4:2 FTS)	2.98	80	327.1	307.1	80.8	Conc.										
8. 1H, 1H, 2H, 2H-perfluoro-1-[1,2- ¹³ C ₂]hexyl sulfonic acid (M2-4:2 FTS)	2.98	40	329.0	309.0	-	Inj. Vol.										
9. Perfluorohexanoic acid (PFHxA)	3.06	80	313.1	269.1	119.1	Mobile Phase										
10. Perfluoro- <i>n</i> -[1,2,3,4,6- ¹³ C ₅]hexanoic acid (M5PFHxA)	3.06	40	318.0	273.0	-	A:										
11. Perfluoropentane sulfonic acid (PFPeS)	3.19	80	349.1	80.0	99.0	B:										
12. Perfluoroheptanoic acid (PFHpA)	3.67	80	363.2	319.1	169.1	Time (min)										
13. Perfluoro- <i>n</i> -[1,2,3,4- ¹³ C ₄]heptanoic acid (M4PFHpA)	3.67	40	367.0	322.0	-	Flow (mL/min)										
14. Perfluorohexane sulfonic acid (PFHxS)	3.73	80	399.1	80.0	99.0	%A										
15. Perfluoro-1-[1,2,3- ¹³ C ₃]hexyl sulfonic acid (M3PFHxS)	3.73	40	402.0	80.0	-	%B										
16. 1H, 1H, 2H, 2H-perfluorooctane sulfonic acid (6:2 FTS)	4.11	80	427.2	407.2	80.7	Detector										
17. 1H, 1H, 2H, 2H-perfluoro-1-[1,2- ¹³ C ₂]octyl sulfonic acid (M2-6:2 FTS)	4.11	40	429.0	409.0	-	Ion Mode:										
18. Perfluorooctanoic acid (PFOA)	4.13	80	412.9	369.0	169.0	Mode:										
19. Perfluoro- <i>n</i> -[¹³ C ₈]octanoic acid (M8PFOA)	4.13	40	421.0	376.0	-	Instrument										
20. Perfluoroheptane sulfonic acid (PFHpS)	4.17	80	449.2	80.0	99.0	Notes										
21. Perfluorononanoic acid (PFNA)	4.51	80	463.2	419.2	219.1											
22. Perfluoro- <i>n</i> -[¹³ C ₉]nonanoic acid (M9PFNA)	4.51	40	472.0	427.0	-											
23. Perfluorooctane sulfonic acid (PFOS)	4.52	80	499.2	80.0	99.0											
24. Perfluoro-1-[¹³ C ₈]octyl sulfonic acid (M8PFOS)	4.52	40	506.8	80.0	-											
25. 1H, 1H, 2H, 2H-perfluorodecane sulfonic acid (8:2 FTS)	4.81	80	527.2	507.2	80.8											
26. 1H, 1H, 2H, 2H-perfluoro-1-[1,2- ¹³ C ₂]decyl sulfonic acid (M2-8:2 FTS)	4.81	40	529.0	509.0	-											
27. Perfluorononane sulfonic acid (PFNS)	4.83	80	549.2	80.0	99.0											
28. Perfluorodecanoic acid (PFDA)	4.83	80	513.2	469.2	219.1											
29. Perfluoro- <i>n</i> -[1,2,3,4,5,6- ¹³ C ₆]decanoic acid (M6PFDA)	4.83	40	518.9	473.9	-											
30. N-methylperfluoro-1-octanesulfonamidoacetic acid (N-MeFOSAA)	4.95	80	570.2	419.2	483.2											
31. N-methyl-d3-perfluoro-1-octanesulfonamidoacetic acid (d3-N-MeFOSAA)	4.95	40	572.9	418.9	-											
32. Perfluorodecane sulfonic acid (PFDS)	5.09	80	599.2	80.0	99.0											
33. N-ethylperfluoro-1-octanesulfonamidoacetic acid (N-EtFOSAA)	5.09	80	584.2	419.2	483.1											
34. N-ethyl-d5-perfluoro-1-catanesulfonamidoacetic acid (d5-N-EtFOSAA)	5.09	40	589.0	419.0	-											
35. Perfluoroundecanoic acid (PFUnA)	5.10	80	563.2	519.2	269.1											
36. Perfluoro- <i>n</i> -[1,2,3,4,5,6,7- ¹³ C ₇]undecanoic acid (M7PFUnA)	5.10	40	569.9	524.9	-											
37. Perfluorooctane sulfonic acid (FOSA)	5.12	80	498.2	78.0	-											
38. Perfluoro-1-[¹³ C ₈]octanesulfonamide (M8FOSA)	5.12	40	505.9	78.0	-											
39. Perfluorododecanoic acid (PFDoA)	5.34	80	613.2	569.2	169.1											
40. Perfluoro- <i>n</i> -[1,2- ¹³ C ₂]dodecanoic acid (M2PFDoA)	5.34	40	614.8	569.9	-											
41. Perfluorotridecanoic acid (PFTriA)	5.55	80	663.2	619.2	169.1											
42. Perfluorotetradecanoic acid (PFTreA)	5.75	80	713.2	669.2	169.1											
43. Perfluoro- <i>n</i> -[1,2- ¹³ C ₂]tetradecanoic acid (M2PFTreA)	5.75	40	714.8	669.7	-											