

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD091924AR\
 Data File : FD048333.D
 Signal(s) : FID2B.ch
 Acq On : 19 Sep 2024 16:07
 Operator : YP/AJ
 Sample : 20 PPM AROMATIC HC STD
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 20 PPM AROMATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/20/2024
 Supervised By :Ankita Jodhani 09/20/2024

Integration File: autoint1.e
 Quant Time: Sep 20 05:20:44 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 090624.M
 Quant Title : GC Extractables
 QLast Update : Fri Sep 06 11:53:01 2024
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal Phase : Rxi-1ms
 Signal Info : 20M x 0.18mm x 0.18µm

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.387	3093096	20.395 ug/ml
Spiked Amount 50.000		Recovery =	40.79%
6) S 2-Fluorobiphenyl (SURR)	8.238	1950228	20.411 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	40.82%
11) S ortho-Terphenyl (SURR)	11.273	3569579	20.805 ug/ml
Spiked Amount 50.000		Recovery =	41.61%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.208	3587578	20.337 ug/ml
2) T Naphthalene (C11.7)	5.727	3665138	20.268 ug/ml
3) T 2-Methylnaphthalene (...)	6.774	3610449	20.180 ug/ml
5) T Acenaphthylene (C15.06)	8.040	3550055	20.319 ug/ml
7) T Acenaphthene (C15.5)	8.334	3632473	20.424 ug/ml
8) T Fluorene (C16.55)	9.113	3460773	20.668 ug/ml
9) T Phenanthrene (C19.36)	10.500	3353622	20.772 ug/ml
10) T Anthracene (C19.43)	10.576	2921398	18.359 ug/ml
12) T Fluoranthene (C21.85)	12.304	3390394	20.914 ug/ml
13) T Pyrene (C20.8)	12.596	3360560	20.959 ug/ml
14) T Benzo[a]anthracene (C...	14.465	2944366	21.020 ug/ml
15) T Chrysene (C27.41)	14.506	3441026	20.891 ug/ml
16) T benzo[b]fluoranthene ...	16.011	3087810	20.783 ug/mlm
17) T Bnezo[k]fluoranthene ...	16.042	3196657	20.755 ug/mlm
18) T Benzo[a]pyrene (C31.34)	16.386	3023596	20.436 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.749	1964587	17.387 ug/ml
20) T Dibenz[a,h]anthracene...	17.792	2986968	19.572 ug/ml
21) T Benzo[g,h,i]perylene ...	17.999	2804235	19.024 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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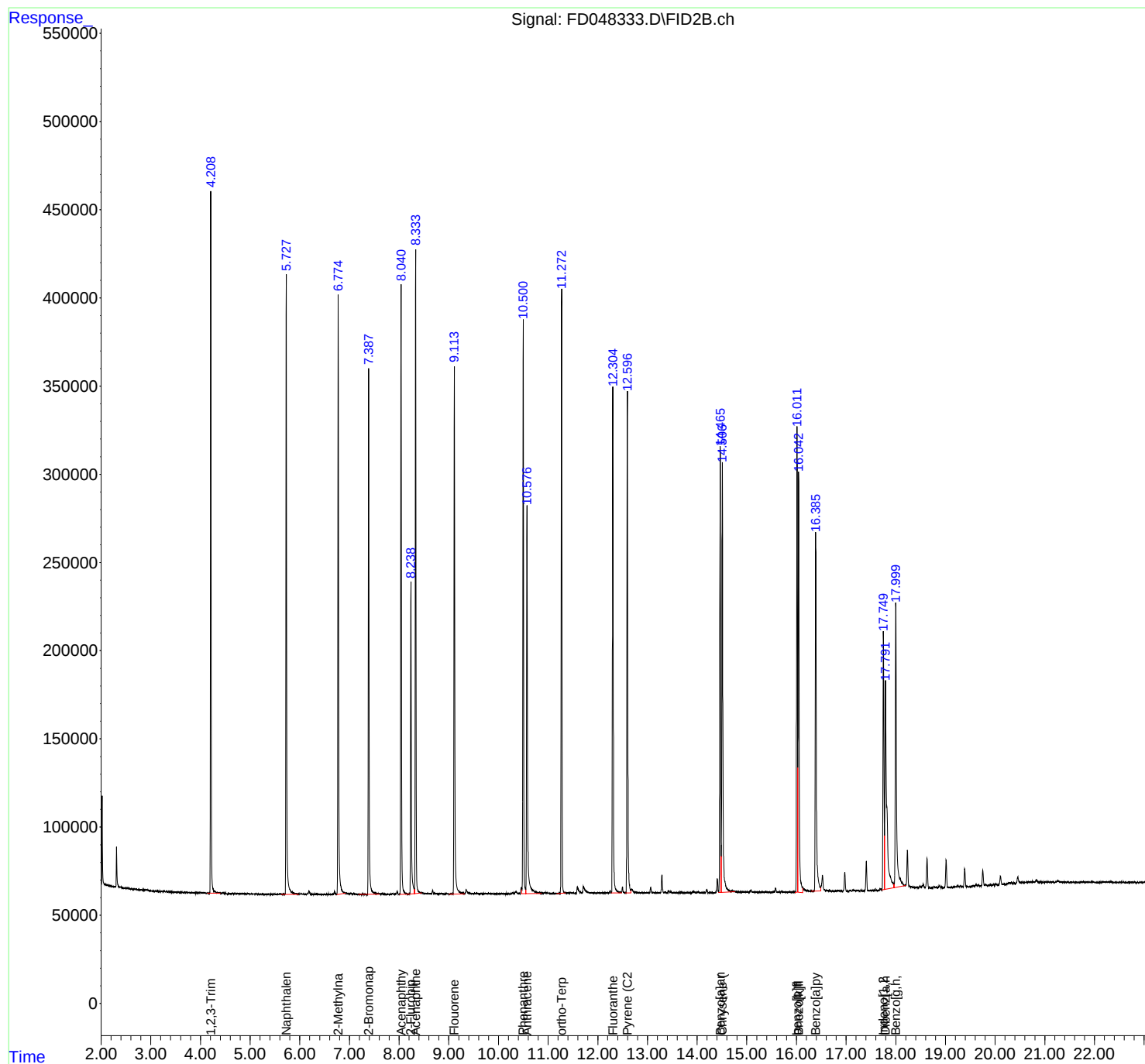
Instrument :
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20 PPM AROMATIC HC STD

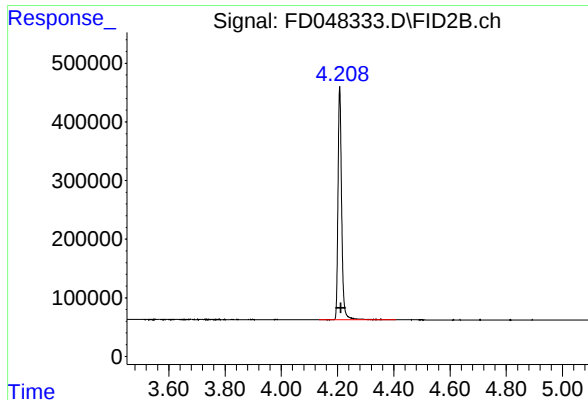
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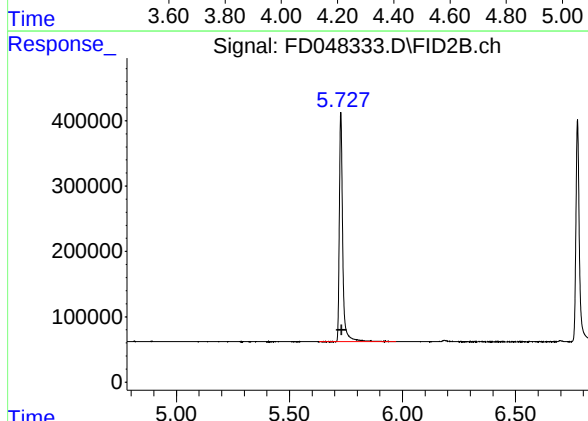
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.208 min
Delta R.T.: -0.004 min
Response: 3587578
Conc: 20.34 ug/ml

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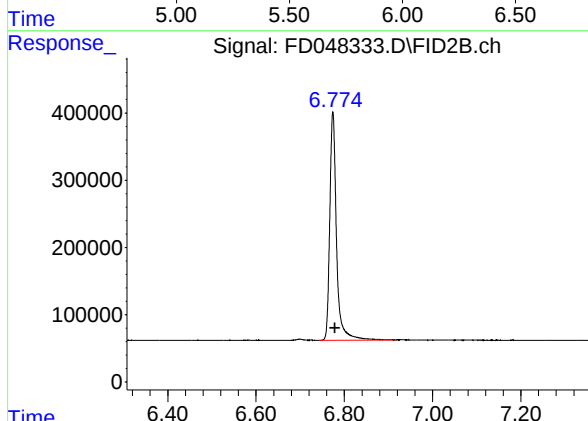
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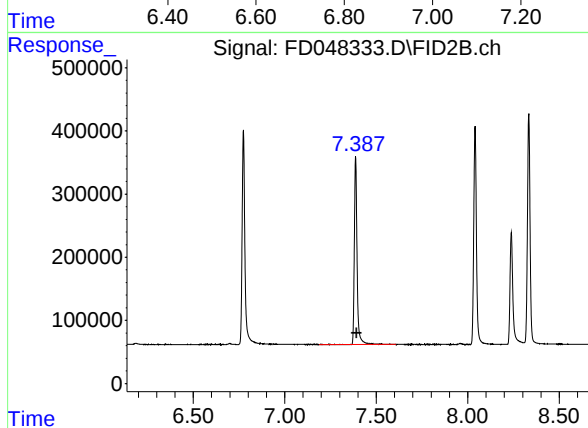
#2 Naphthalene (C11.7)

R.T.: 5.727 min
Delta R.T.: -0.005 min
Response: 3665138
Conc: 20.27 ug/ml



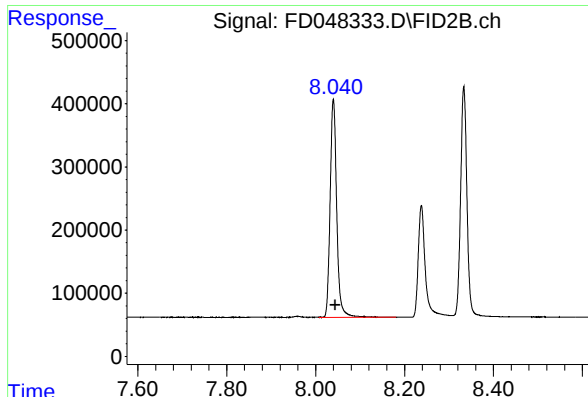
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.774 min
Delta R.T.: -0.005 min
Response: 3610449
Conc: 20.18 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.387 min
Delta R.T.: -0.004 min
Response: 3093096
Conc: 20.39 ug/ml



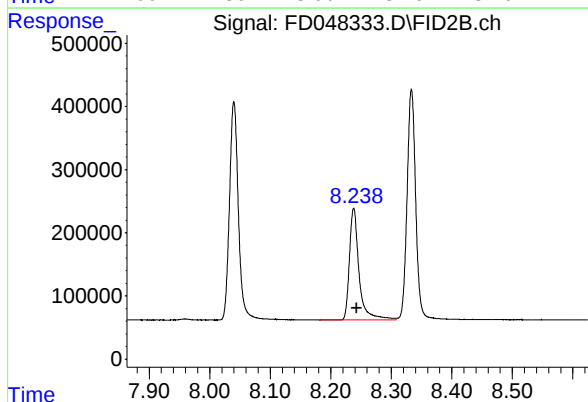
#5 Acenaphthylene (C15.06)

R.T.: 8.040 min
Delta R.T.: -0.005 min
Response: 3550055
Conc: 20.32 ug/ml

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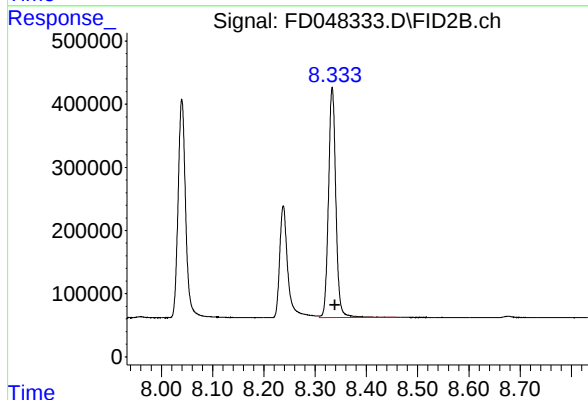
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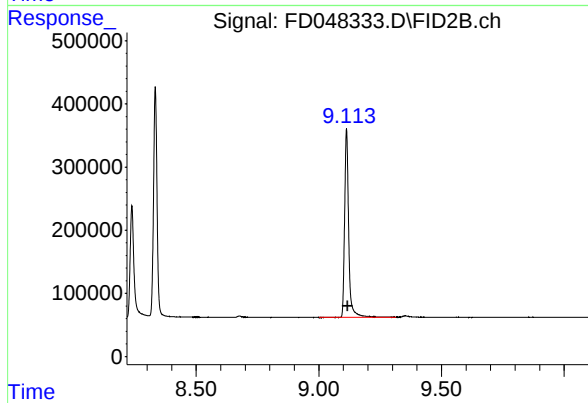
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.238 min
Delta R.T.: -0.005 min
Response: 1950228
Conc: 20.41 ug/ml



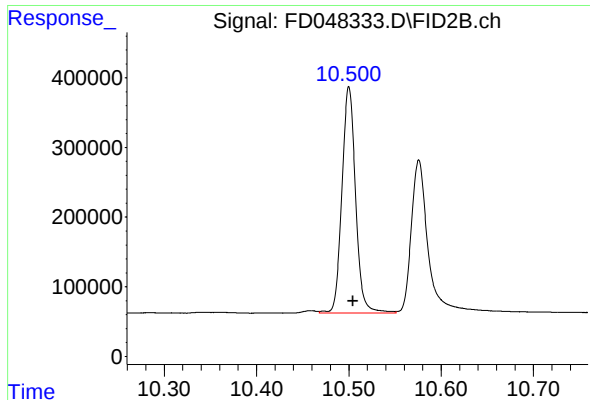
#7 Acenaphthene (C15.5)

R.T.: 8.334 min
Delta R.T.: -0.005 min
Response: 3632473
Conc: 20.42 ug/ml



#8 Fluorene (C16.55)

R.T.: 9.113 min
Delta R.T.: -0.005 min
Response: 3460773
Conc: 20.67 ug/ml



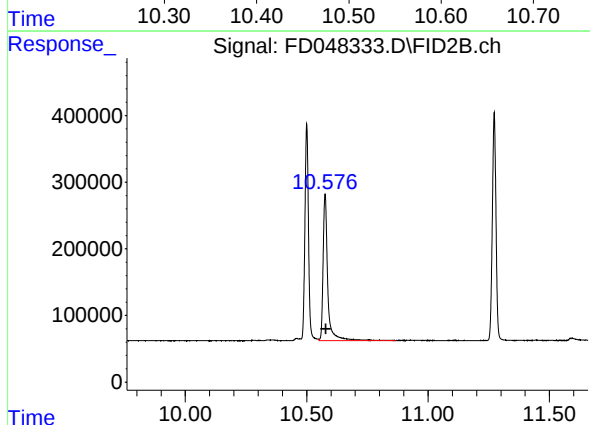
#9 Phenanthrene (C19.36)

R.T.: 10.500 min
Delta R.T.: -0.004 min
Response: 3353622
Conc: 20.77 ug/ml

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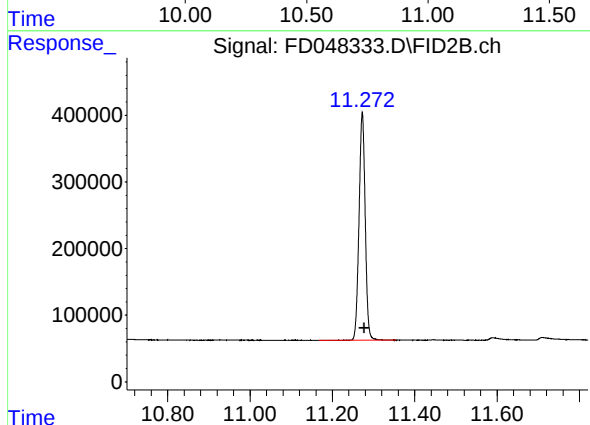
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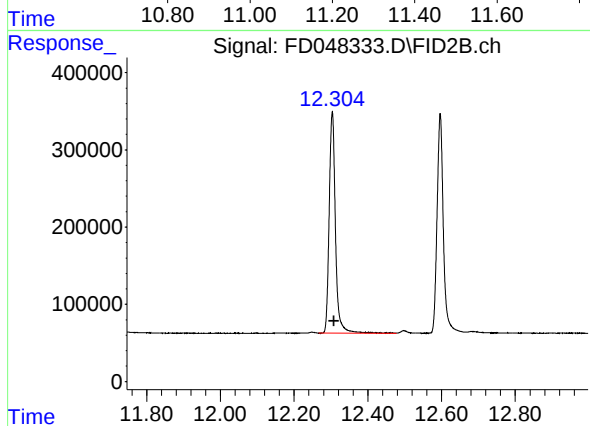
#10 Anthracene (C19.43)

R.T.: 10.576 min
Delta R.T.: -0.004 min
Response: 2921398
Conc: 18.36 ug/ml



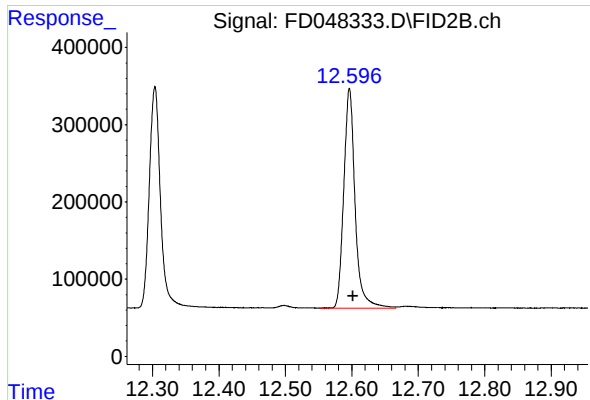
#11 ortho-Terphenyl (SURR)

R.T.: 11.273 min
Delta R.T.: -0.005 min
Response: 3569579
Conc: 20.81 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.304 min
Delta R.T.: -0.005 min
Response: 3390394
Conc: 20.91 ug/ml



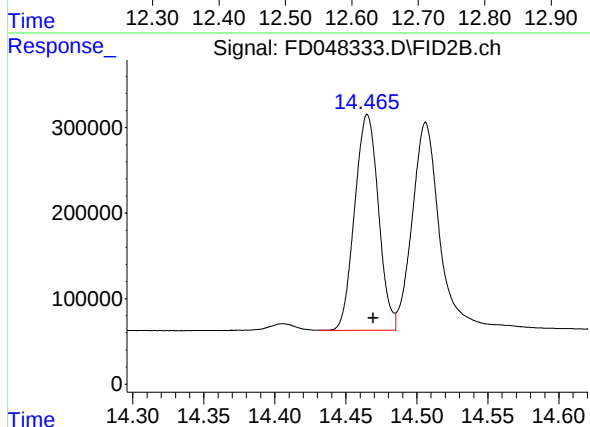
#13 Pyrene (C20.8)

R.T.: 12.596 min
Delta R.T.: -0.005 min
Response: 3360560
Conc: 20.96 ug/ml

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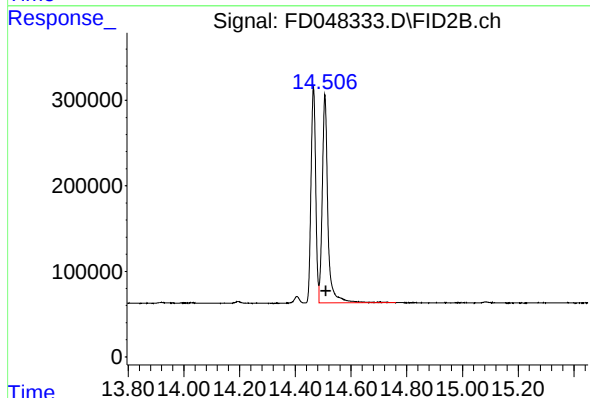
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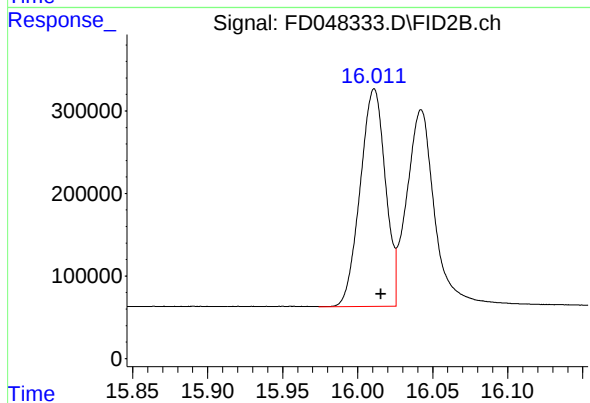
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.465 min
Delta R.T.: -0.004 min
Response: 2944366
Conc: 21.02 ug/ml



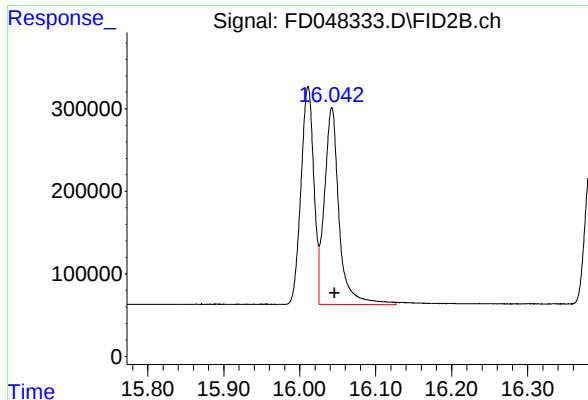
#15 Chrysene (C27.41)

R.T.: 14.506 min
Delta R.T.: -0.004 min
Response: 3441026
Conc: 20.89 ug/ml



#16 benzo[b]fluoranthene (C30.41)

R.T.: 16.011 min
Delta R.T.: -0.005 min
Response: 3087810
Conc: 20.78 ug/ml m



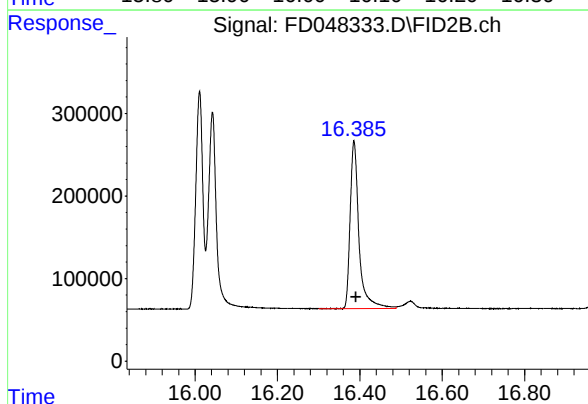
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.042 min
Delta R.T.: -0.004 min
Response: 3196657
Conc: 20.76 ug/ml

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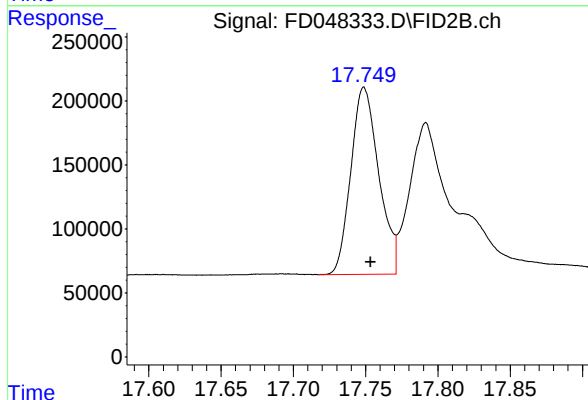
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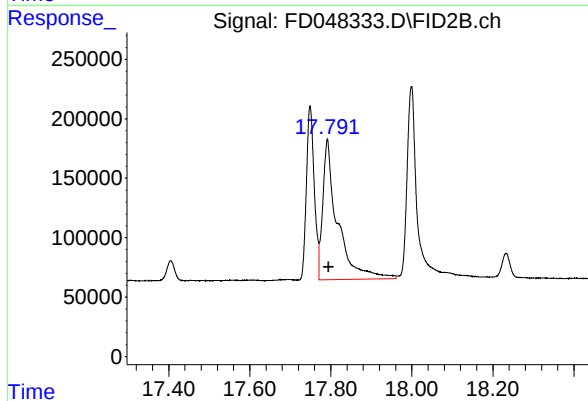
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.386 min
Delta R.T.: -0.004 min
Response: 3023596
Conc: 20.44 ug/ml



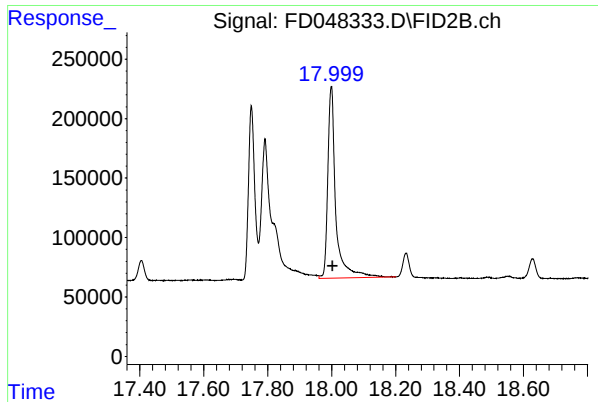
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.749 min
Delta R.T.: -0.004 min
Response: 1964587
Conc: 17.39 ug/ml



#20 Dibenz[a,h]anthracene (C30.36)

R.T.: 17.792 min
Delta R.T.: -0.003 min
Response: 2986968
Conc: 19.57 ug/ml



#21 Benzo[g,h,i]perylene (C34.01)

R.T.: 17.999 min
Delta R.T.: -0.004 min
Response: 2804235
Conc: 19.02 ug/ml

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