

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD092424AR\
 Data File : FD048384.D
 Signal(s) : FID2B.ch
 Acq On : 24 Sep 2024 11:44
 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 09/25/2024
 Supervised By :Ankita Jodhani 09/25/2024

Integration File: autoint1.e
 Quant Time: Sep 25 02:46:58 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...	7.383	3198167	21.088 ug/ml
Spiked Amount 50.000		Recovery =	42.18%
6) S 2-Fluorobiphenyl (SURR)	8.233	2060682	21.567 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	43.13%
11) S ortho-Terphenyl (SURR)	11.269	3690945	21.513 ug/ml
Spiked Amount 50.000		Recovery =	43.03%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.204	3673946	20.826 ug/mlm
2) T Naphthalene (C11.7)	5.724	3776473	20.883 ug/ml
3) T 2-Methylnaphthalene (...)	6.770	3757824	21.004 ug/ml
5) T Acenaphthylene (C15.06)	8.036	3659529	20.946 ug/ml
7) T Acenaphthene (C15.5)	8.330	3756919	21.124 ug/ml
8) T Flouorene (C16.55)	9.108	3565986	21.296 ug/ml
9) T Phenanthrene (C19.36)	10.495	3474902	21.523 ug/ml
10) T Anthracene (C19.43)	10.571	2869721	18.034 ug/ml
12) T Fluoranthene (C21.85)	12.299	3541776	21.848 ug/ml
13) T Pyrene (C20.8)	12.592	3517669	21.939 ug/ml
14) T Benzo[a]anthracene (C...	14.460	3091874	22.073 ug/ml
15) T Chrysene (C27.41)	14.502	3524821	21.399 ug/ml
16) T benzo[b]fluoranthene ...	16.007	3317263	22.327 ug/ml
17) T Bnezo[k]fluoranthene ...	16.038	3286510	21.339 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.382	3171087	21.433 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.744	2429436	21.501 ug/ml
20) T Dibenz[a,h]anthracene...	17.785	3336284	21.861 ug/ml
21) T Benzo[g,h,i]perylene ...	17.994	3158804	21.430 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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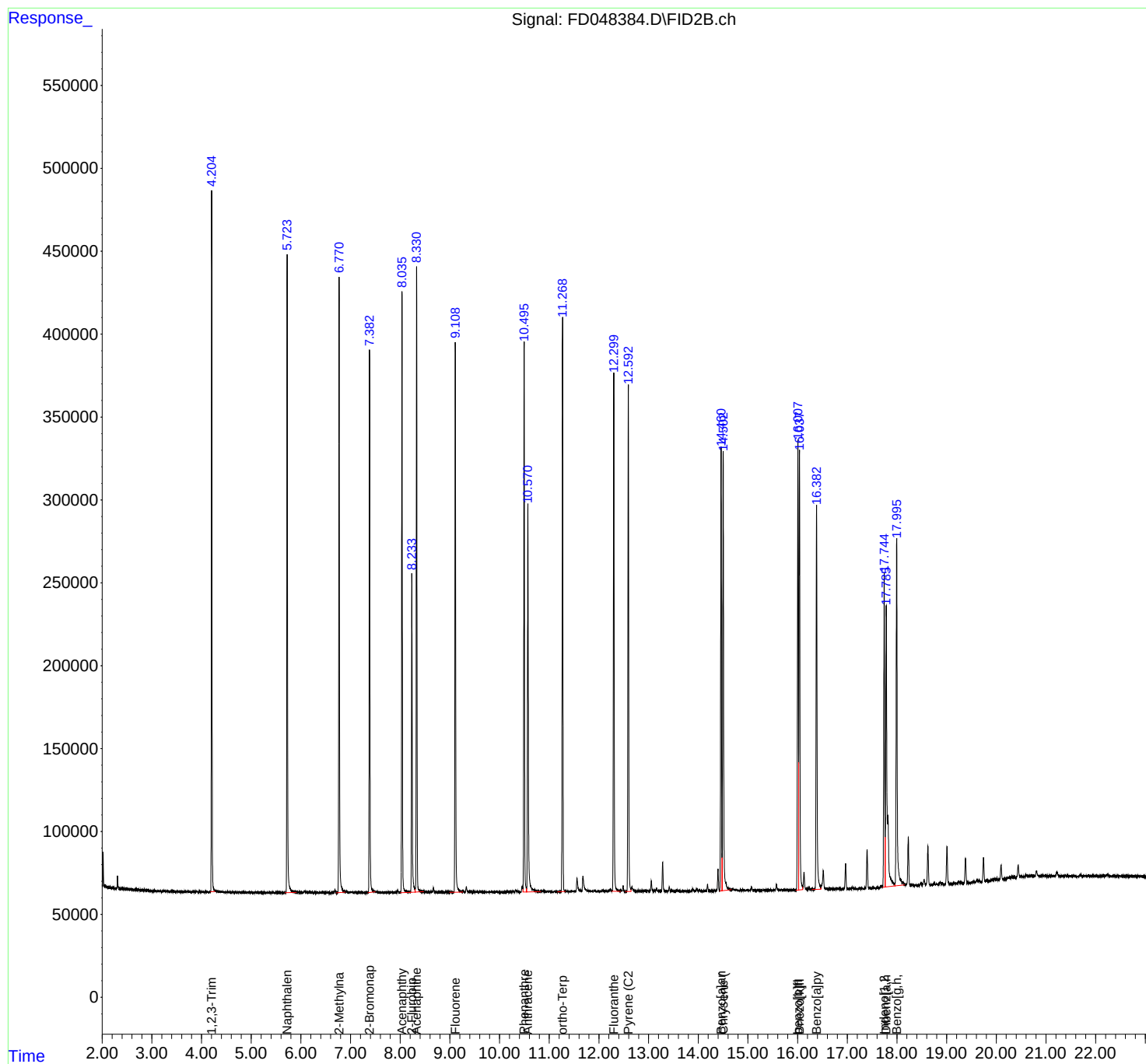
Instrument :
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20 PPM AROMATIC HC STD

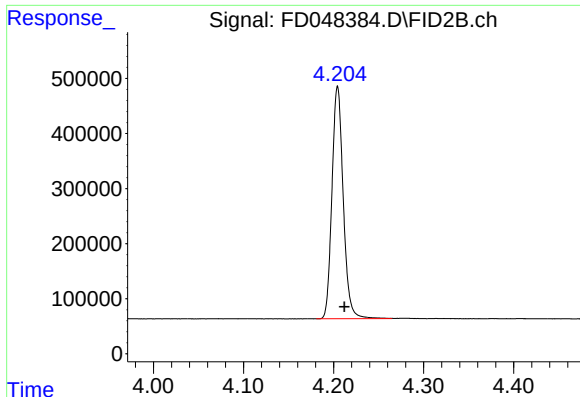
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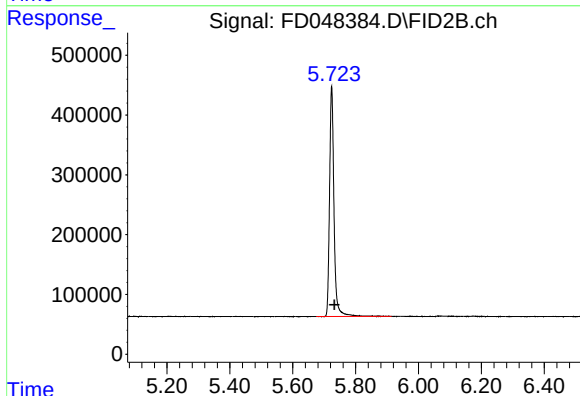
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.204 min
Delta R.T.: -0.008 min
Response: 3673946
Conc: 20.83 ug/ml

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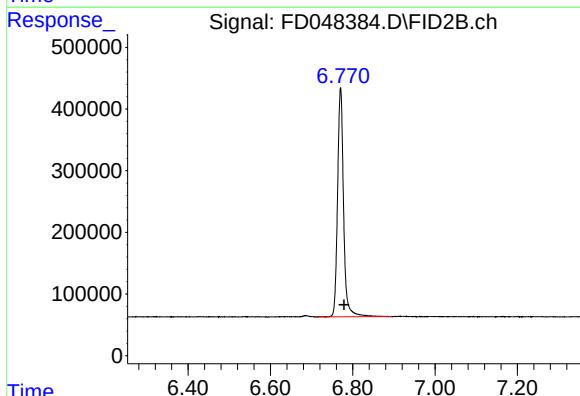
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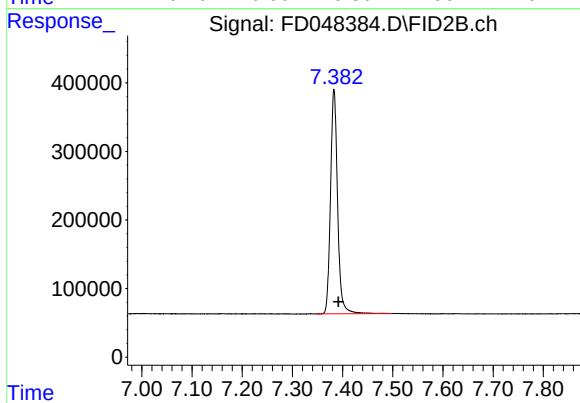
#2 Naphthalene (C11.7)

R.T.: 5.724 min
Delta R.T.: -0.008 min
Response: 3776473
Conc: 20.88 ug/ml



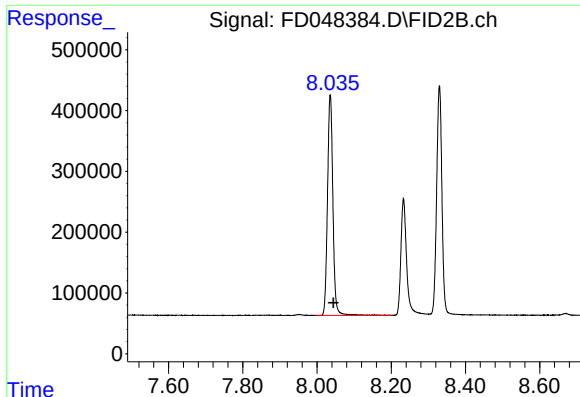
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.770 min
Delta R.T.: -0.008 min
Response: 3757824
Conc: 21.00 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.383 min
Delta R.T.: -0.009 min
Response: 3198167
Conc: 21.09 ug/ml



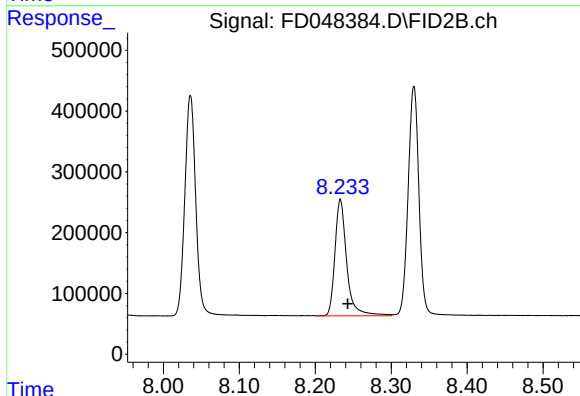
#5 Acenaphthylene (C15.06)

R.T.: 8.036 min
Delta R.T.: -0.009 min
Response: 3659529
Conc: 20.95 ug/ml

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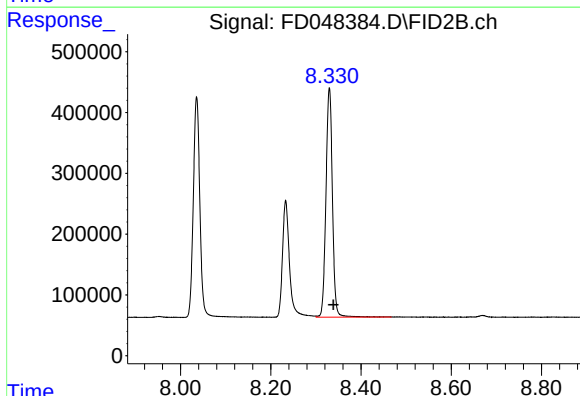
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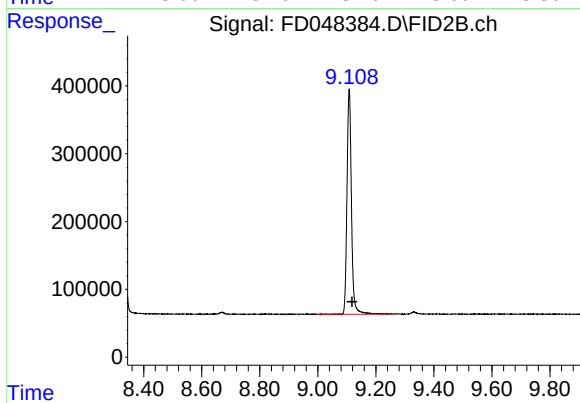
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.233 min
Delta R.T.: -0.009 min
Response: 2060682
Conc: 21.57 ug/ml



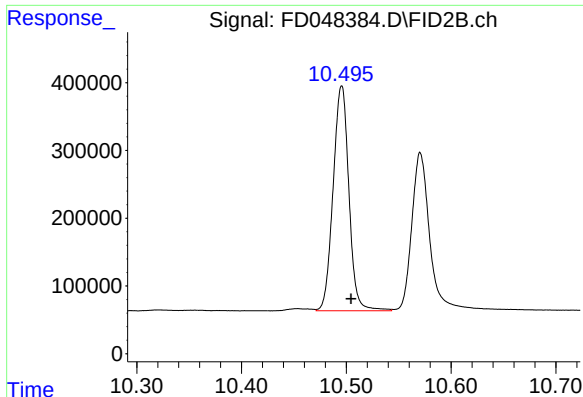
#7 Acenaphthene (C15.5)

R.T.: 8.330 min
Delta R.T.: -0.009 min
Response: 3756919
Conc: 21.12 ug/ml



#8 Fluorene (C16.55)

R.T.: 9.108 min
Delta R.T.: -0.009 min
Response: 3565986
Conc: 21.30 ug/ml



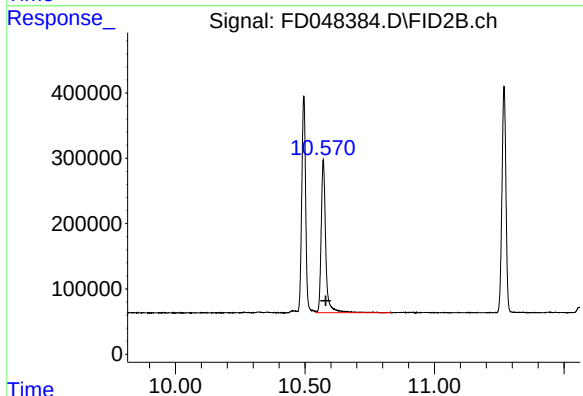
#9 Phenanthrene (C19.36)

R.T.: 10.495 min
Delta R.T.: -0.009 min
Response: 3474902
Conc: 21.52 ug/ml

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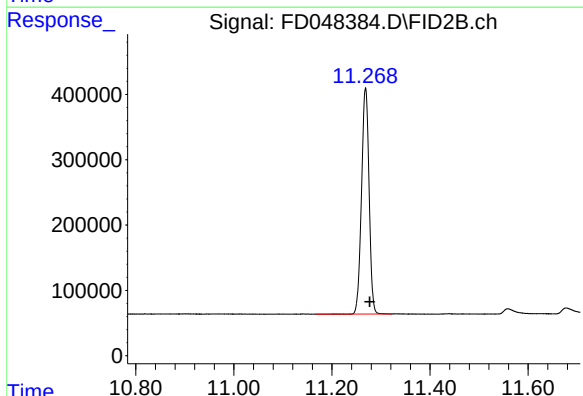
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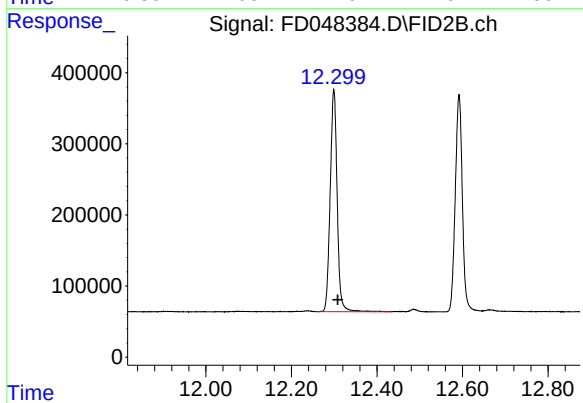
#10 Anthracene (C19.43)

R.T.: 10.571 min
Delta R.T.: -0.010 min
Response: 2869721
Conc: 18.03 ug/ml



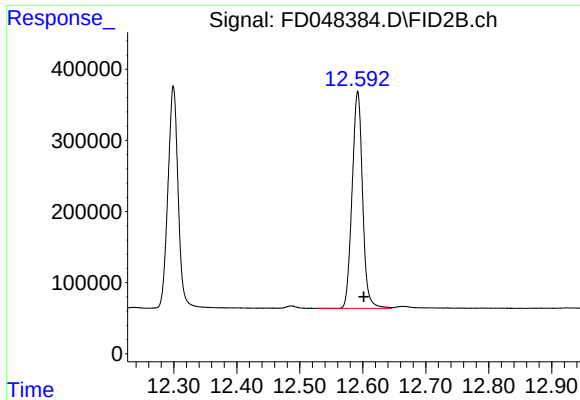
#11 ortho-Terphenyl (SURR)

R.T.: 11.269 min
Delta R.T.: -0.009 min
Response: 3690945
Conc: 21.51 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.299 min
Delta R.T.: -0.009 min
Response: 3541776
Conc: 21.85 ug/ml



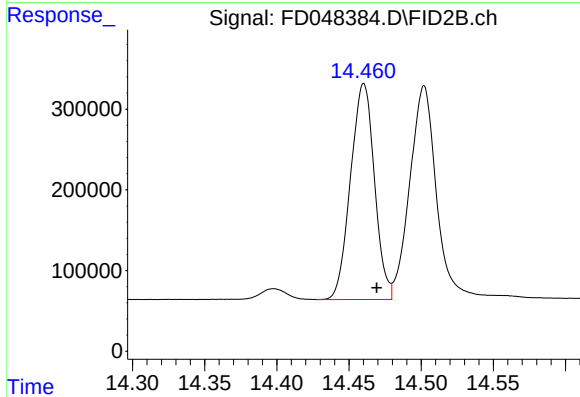
#13 Pyrene (C20.8)

R.T.: 12.592 min
Delta R.T.: -0.010 min
Response: 3517669
Conc: 21.94 ug/ml

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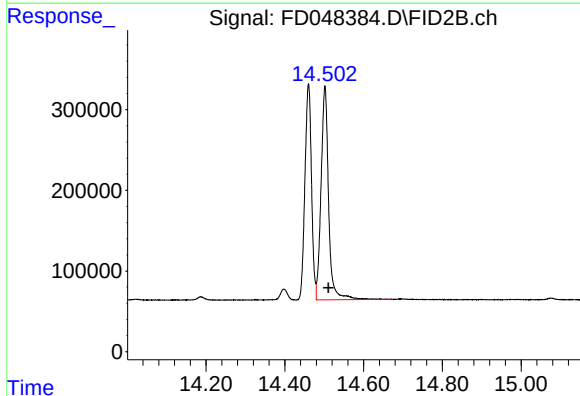
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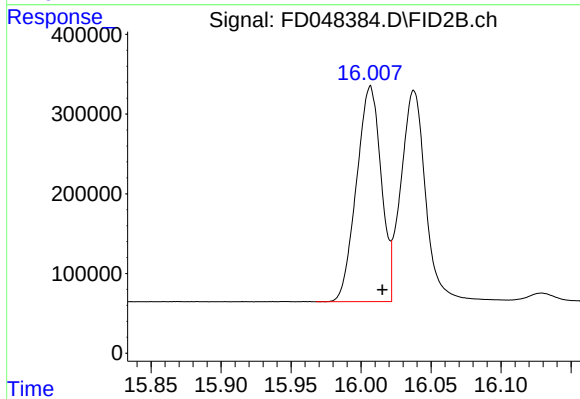
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.460 min
Delta R.T.: -0.009 min
Response: 3091874
Conc: 22.07 ug/ml



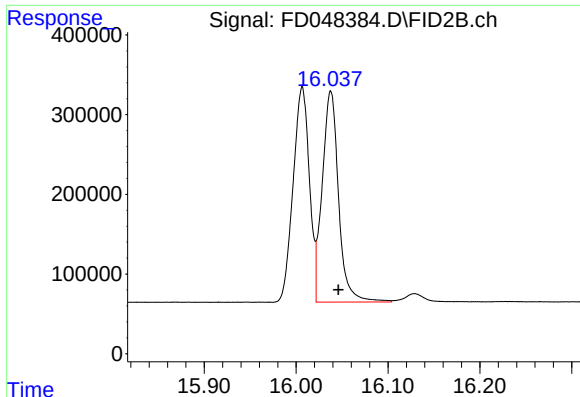
#15 Chrysene (C27.41)

R.T.: 14.502 min
Delta R.T.: -0.009 min
Response: 3524821
Conc: 21.40 ug/ml



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

R.T.: 16.007 min
Delta R.T.: -0.009 min
Response: 3317263
Conc: 22.33 ug/ml



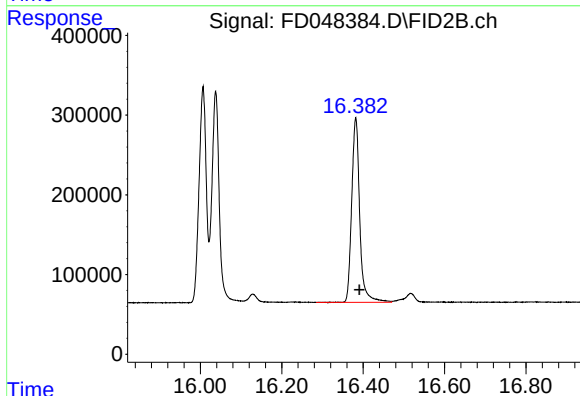
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.038 min
Delta R.T.: -0.009 min
Response: 3286510
Conc: 21.34 ug/ml

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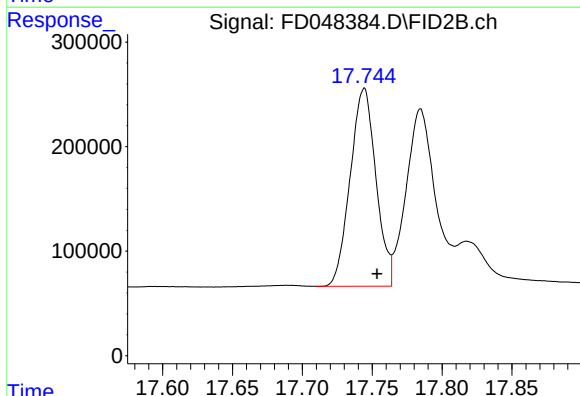
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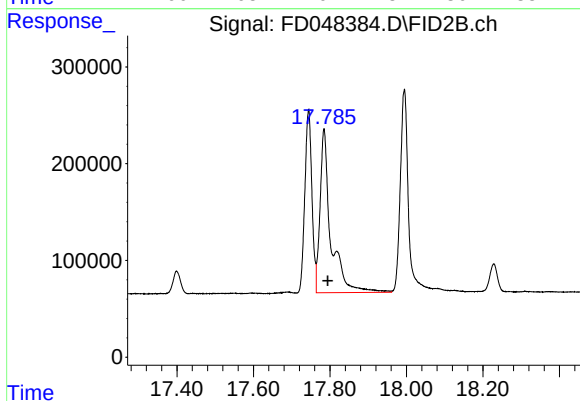
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.382 min
Delta R.T.: -0.009 min
Response: 3171087
Conc: 21.43 ug/ml



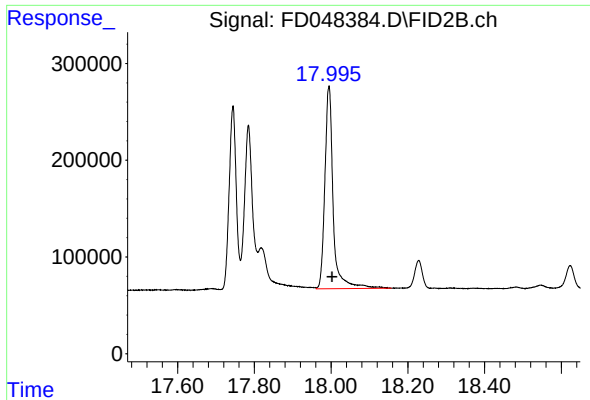
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.744 min
Delta R.T.: -0.009 min
Response: 2429436
Conc: 21.50 ug/ml



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

R.T.: 17.785 min
Delta R.T.: -0.010 min
Response: 3336284
Conc: 21.86 ug/ml



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

R.T.: 17.994 min
Delta R.T.: -0.009 min
Response: 3158804
Conc: 21.43 ug/ml

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