

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD060324AR\
 Data File : FD047860.D
 Signal(s) : FID2B.ch
 Acq On : 03 Jun 2024 13:27
 Operator : YP/AJ
 Sample : 20 PPM AROMATIC HC STD
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 20 PPM AROMATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/04/2024
 Supervised By :Ankita Jodhani 06/04/2024

Integration File: autoint1.e
 Quant Time: Jun 04 05:27:44 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 052124.M
 Quant Title : GC Extractables
 QLast Update : Tue May 21 19:00:48 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...	7.434	2747538	19.571 ug/ml
Spiked Amount 50.000		Recovery =	39.14%
6) S 2-Fluorobiphenyl (SURR)	8.287	1806475	19.506 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	39.01%
11) S ortho-Terphenyl (SURR)	11.326	3112212	19.465 ug/ml
Spiked Amount 50.000		Recovery =	38.93%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.250	3101043	19.635 ug/ml
2) T Naphthalene (C11.7)	5.774	3230640	19.792 ug/ml
3) T 2-Methylnaphthalene (...)	6.822	3236922	19.644 ug/ml
5) T Acenaphthylene (C15.06)	8.089	3161075	19.340 ug/ml
7) T Acenaphthene (C15.5)	8.384	3200808	19.603 ug/ml
8) T Flouorene (C16.55)	9.163	3031189	19.268 ug/ml
9) T Phenanthrene (C19.36)	10.552	2968451	19.250 ug/mlm
10) T Anthracene (C19.43)	10.627	2592109	17.242 ug/ml
12) T Fluoranthene (C21.85)	12.359	2944845	19.405 ug/ml
13) T Pyrene (C20.8)	12.653	2927074	19.416 ug/ml
14) T Benzo[a]anthracene (C...	14.522	2632365	19.203 ug/mlm
15) T Chrysene (C27.41)	14.563	2871253	19.490 ug/ml
16) T benzo[b]fluoranthene ...	16.069	2635621	18.727 ug/mlm
17) T Bnezo[k]fluoranthene ...	16.101	2630298	19.315 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.446	2589700	18.709 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.808	1937784	16.809 ug/mlm
20) T Dibenz[a,h]anthracene...	17.849	2459794	18.447 ug/ml
21) T Benzo[g,h,i]perylene ...	18.059	2438168	18.334 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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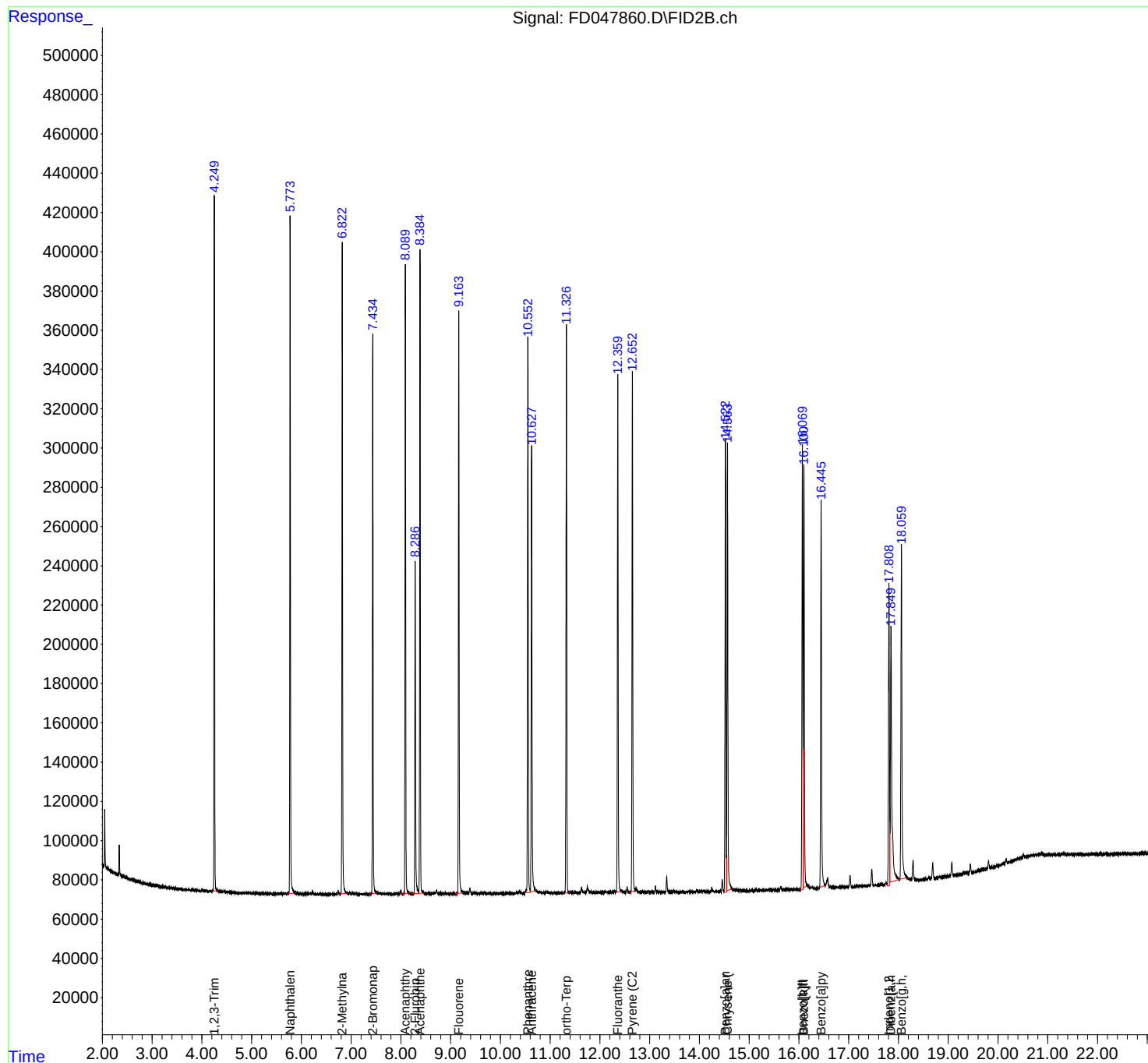
Instrument :
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20 PPM AROMATIC HC STD

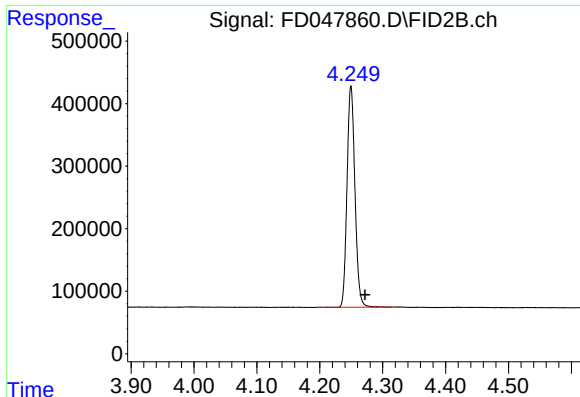
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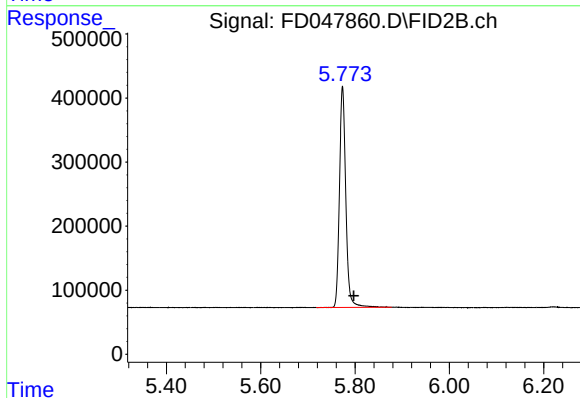
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.250 min
Delta R.T.: -0.022 min
Response: 3101043
Conc: 19.63 ug/ml

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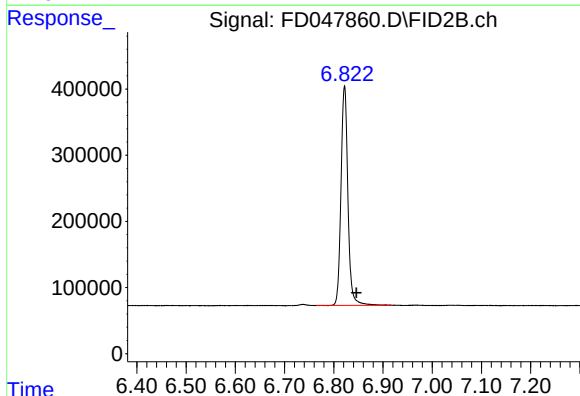
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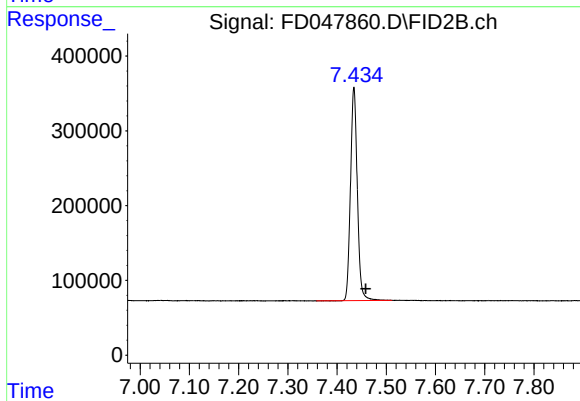
#2 Naphthalene (C11.7)

R.T.: 5.774 min
Delta R.T.: -0.023 min
Response: 3230640
Conc: 19.79 ug/ml



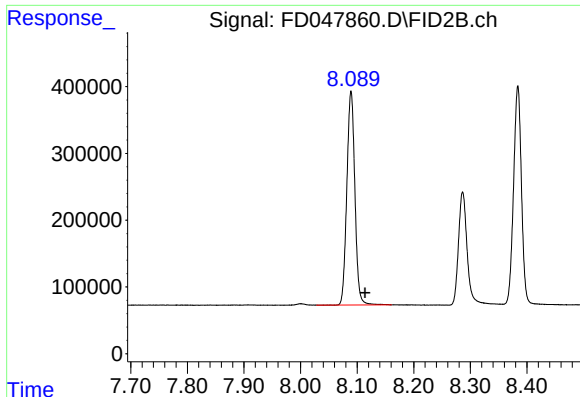
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.822 min
Delta R.T.: -0.024 min
Response: 3236922
Conc: 19.64 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.434 min
Delta R.T.: -0.024 min
Response: 2747538
Conc: 19.57 ug/ml



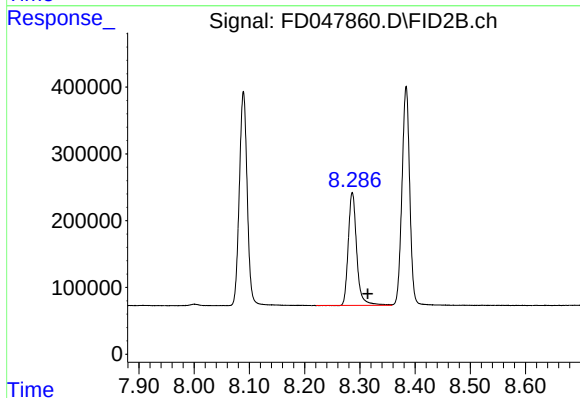
#5 Acenaphthylene (C15.06)

R.T.: 8.089 min
Delta R.T.: -0.025 min
Response: 3161075
Conc: 19.34 ug/ml

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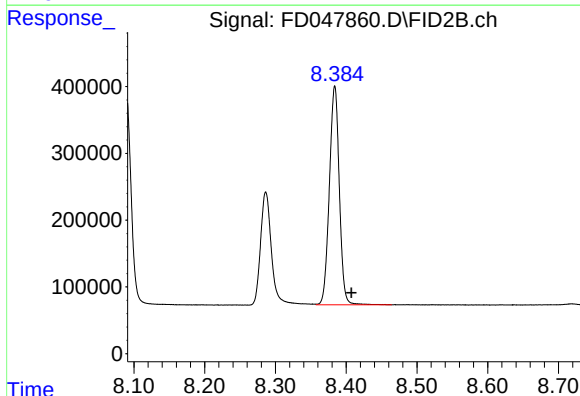
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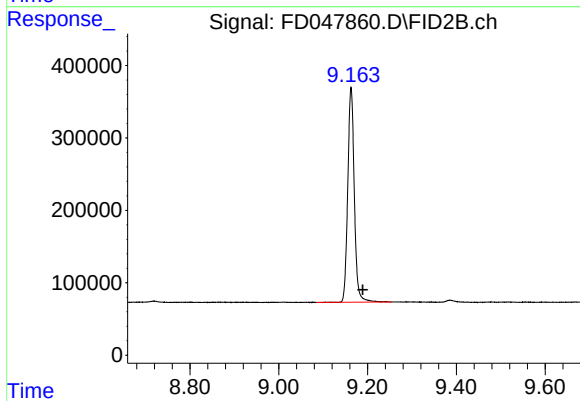
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.287 min
Delta R.T.: -0.028 min
Response: 1806475
Conc: 19.51 ug/ml



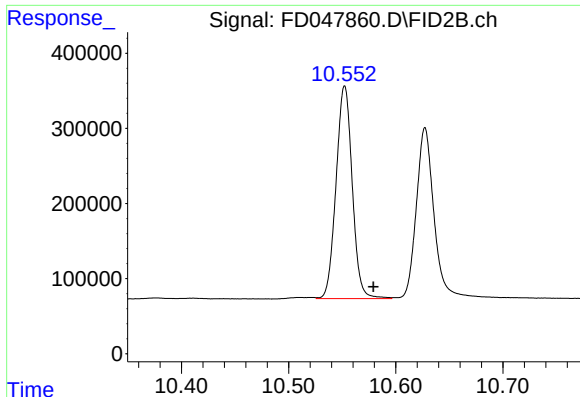
#7 Acenaphthene (C15.5)

R.T.: 8.384 min
Delta R.T.: -0.024 min
Response: 3200808
Conc: 19.60 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.163 min
Delta R.T.: -0.026 min
Response: 3031189
Conc: 19.27 ug/ml



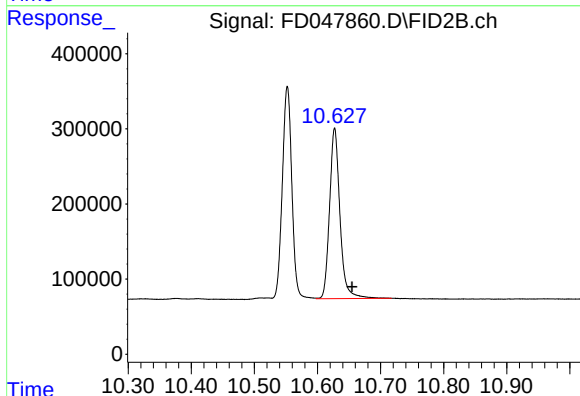
#9 Phenanthrene (C19.36)

R.T.: 10.552 min
Delta R.T.: -0.027 min
Response: 2968451
Conc: 19.25 ug/ml

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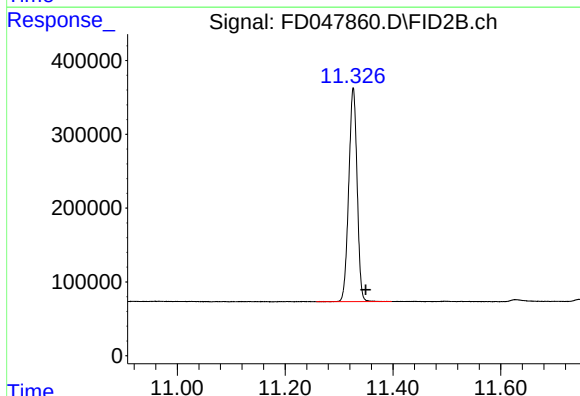
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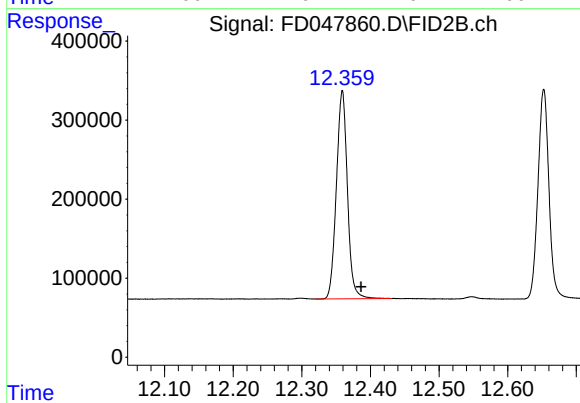
#10 Anthracene (C19.43)

R.T.: 10.627 min
Delta R.T.: -0.027 min
Response: 2592109
Conc: 17.24 ug/ml



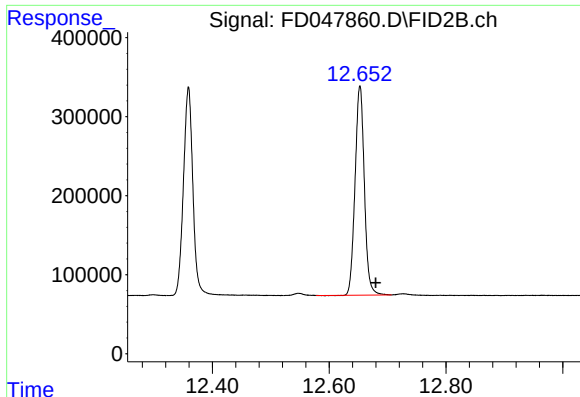
#11 ortho-Terphenyl (SURR)

R.T.: 11.326 min
Delta R.T.: -0.023 min
Response: 3112212
Conc: 19.47 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.359 min
Delta R.T.: -0.027 min
Response: 2944845
Conc: 19.41 ug/ml



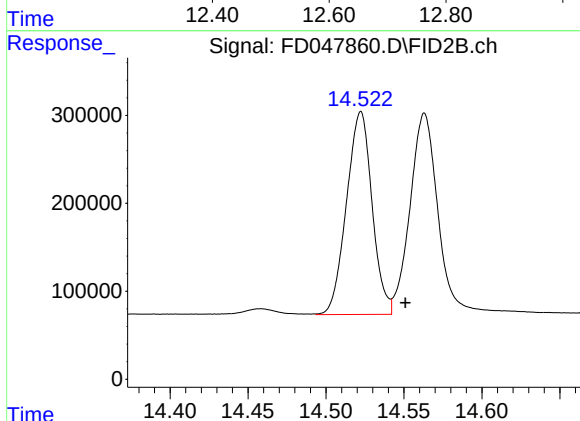
#13 Pyrene (C20.8)

R.T.: 12.653 min
Delta R.T.: -0.027 min
Response: 2927074
Conc: 19.42 ug/ml

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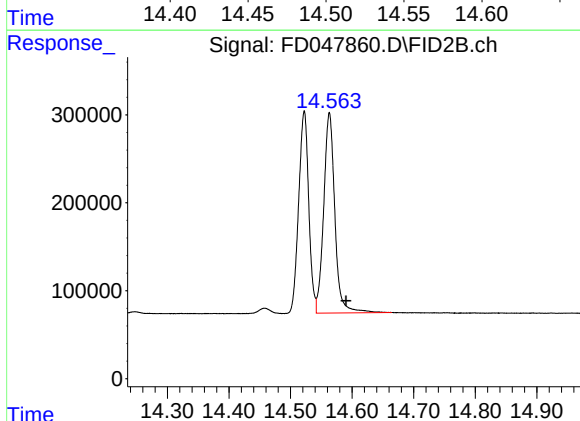
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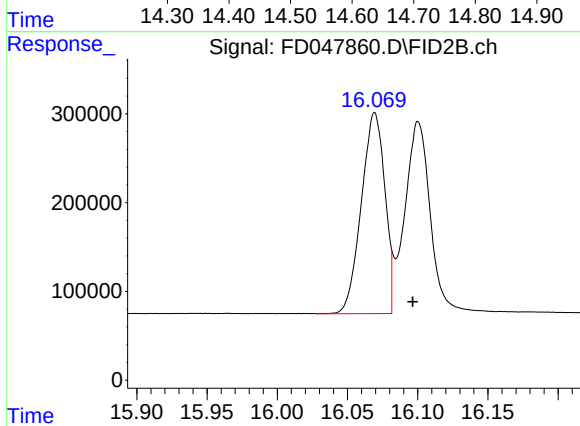
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.522 min
Delta R.T.: -0.029 min
Response: 2632365
Conc: 19.20 ug/ml m



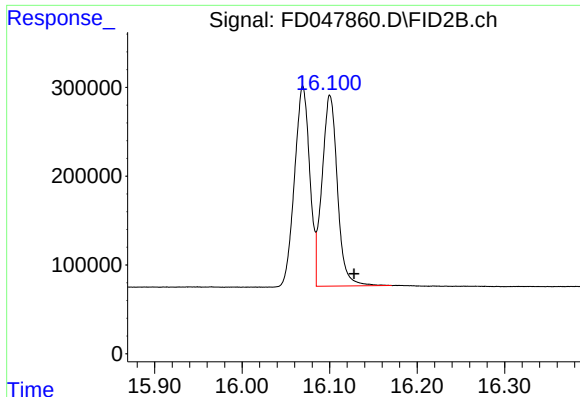
#15 Chrysene (C27.41)

R.T.: 14.563 min
Delta R.T.: -0.027 min
Response: 2871253
Conc: 19.49 ug/ml



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

R.T.: 16.069 min
Delta R.T.: -0.028 min
Response: 2635621
Conc: 18.73 ug/ml m



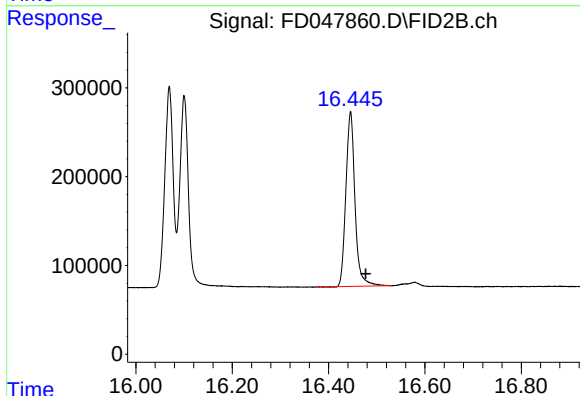
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.101 min
Delta R.T.: -0.027 min
Response: 2630298
Conc: 19.31 ug/ml

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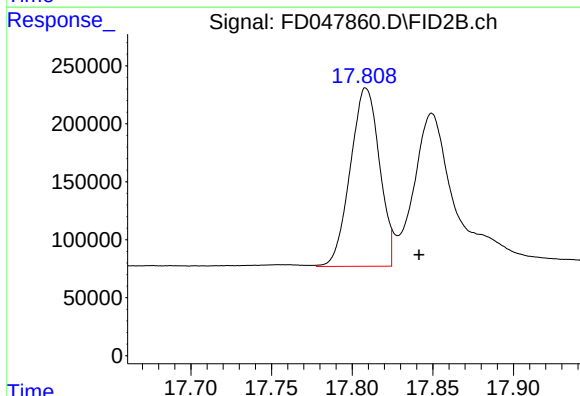
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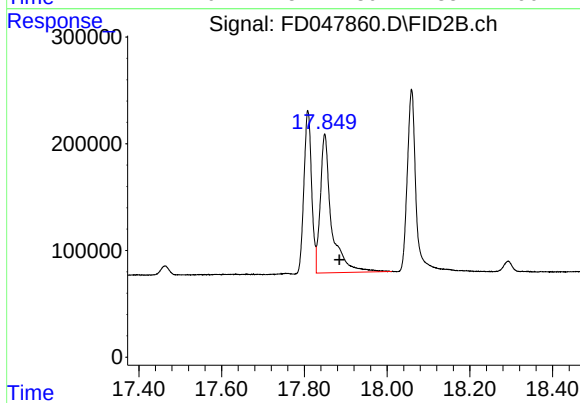
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.446 min
Delta R.T.: -0.032 min
Response: 2589700
Conc: 18.71 ug/ml



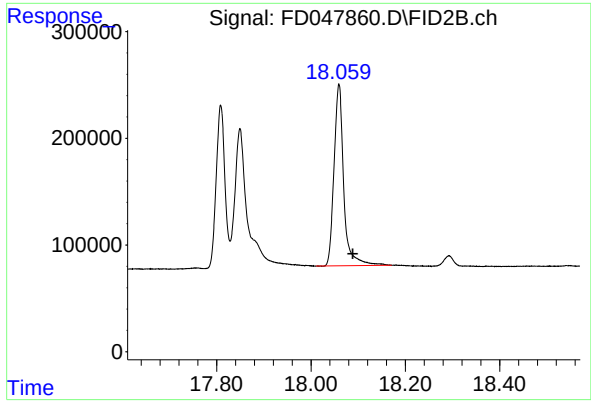
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.808 min
Delta R.T.: -0.034 min
Response: 1937784
Conc: 16.81 ug/ml m



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

R.T.: 17.849 min
Delta R.T.: -0.035 min
Response: 2459794
Conc: 18.45 ug/ml



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

R.T.: 18.059 min
Delta R.T.: -0.029 min
Response: 2438168
Conc: 18.33 ug/ml

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