

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD061224AR\
 Data File : FD047906.D
 Signal(s) : FID2B.ch
 Acq On : 12 Jun 2024 12:03
 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 06/13/2024
 Supervised By :Ankita Jodhani 06/13/2024

Integration File: autoint1.e
 Quant Time: Jun 13 05:19:25 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...	7.428	3056554	21.772 ug/ml
Spiked Amount 50.000		Recovery =	43.54%
6) S 2-Fluorobiphenyl (SURR)	8.281	1980400	21.384 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	42.77%
11) S ortho-Terphenyl (SURR)	11.317	3470190	21.704 ug/ml
Spiked Amount 50.000		Recovery =	43.41%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.245	3427196	21.700 ug/ml
2) T Naphthalene (C11.7)	5.768	3611873	22.128 ug/ml
3) T 2-Methylnaphthalene (...)	6.816	3608621	21.900 ug/ml
5) T Acenaphthylene (C15.06)	8.083	3506500	21.454 ug/ml
7) T Acenaphthene (C15.5)	8.377	3556413	21.781 ug/ml
8) T Flouorene (C16.55)	9.157	3329028	21.162 ug/ml
9) T Phenanthrene (C19.36)	10.545	3301791	21.412 ug/ml
10) T Anthracene (C19.43)	10.620	2637214	17.542 ug/ml
12) T Fluoranthene (C21.85)	12.350	3272729	21.566 ug/ml
13) T Pyrene (C20.8)	12.644	3215059	21.326 ug/ml
14) T Benzo[a]anthracene (C...	14.513	2744759	20.022 ug/mlm
15) T Chrysene (C27.41)	14.554	3219304	21.853 ug/ml
16) T benzo[b]fluoranthene ...	16.060	2870472	20.395 ug/mlm
17) T Bnezo[k]fluoranthene ...	16.090	2824399	20.740 ug/mlm
18) T Benzo[a]pyrene (C31.34)	16.435	2708398	19.567 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.798	1864530	16.174 ug/mlm
20) T Dibenz[a,h]anthracene...	17.840	2750033	20.623 ug/ml
21) T Benzo[g,h,i]perylene ...	18.048	2789745	20.977 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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ALS Vial : 52 Sample Multiplier: 1

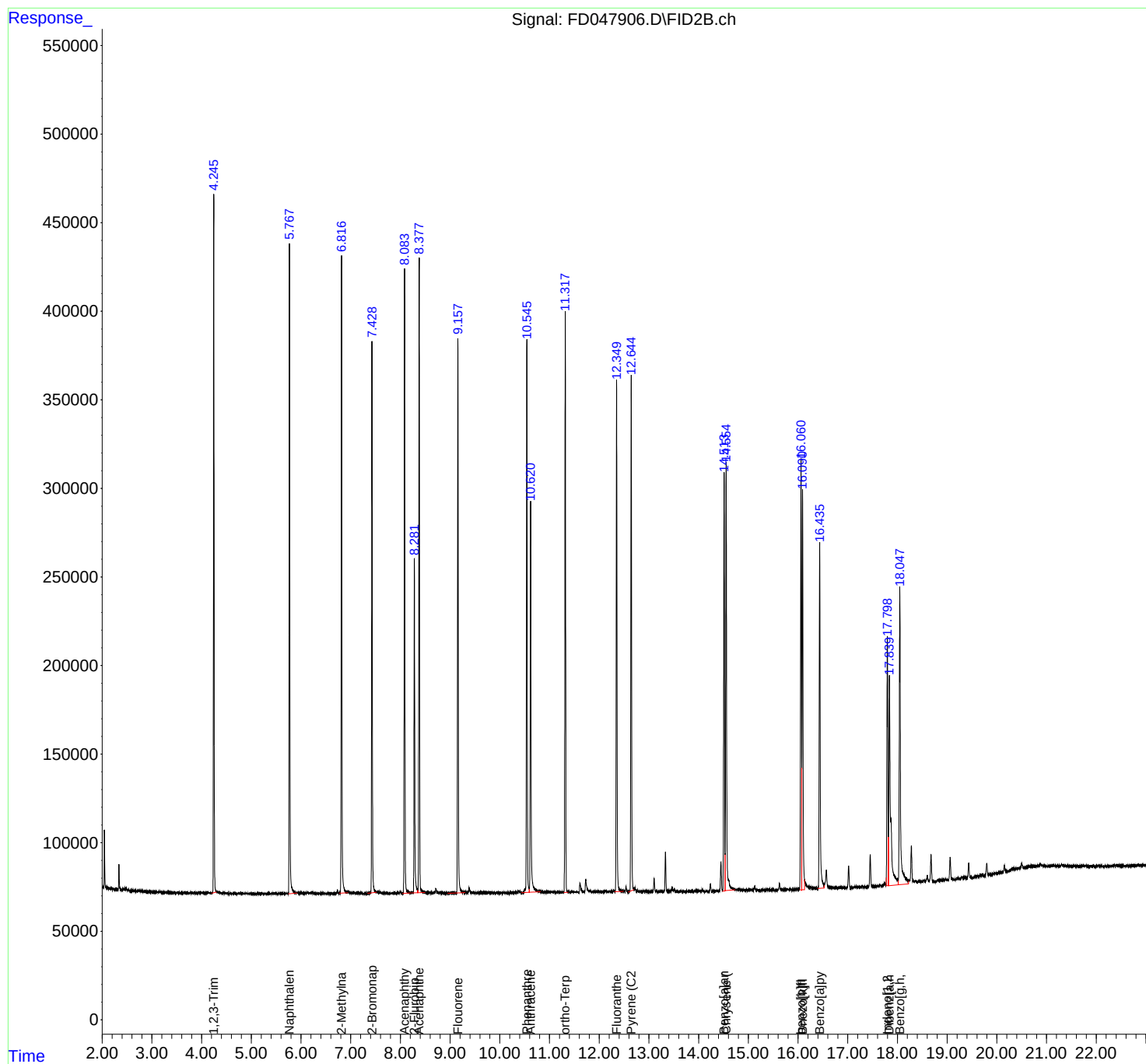
Instrument :
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20 PPM AROMATIC HC STD

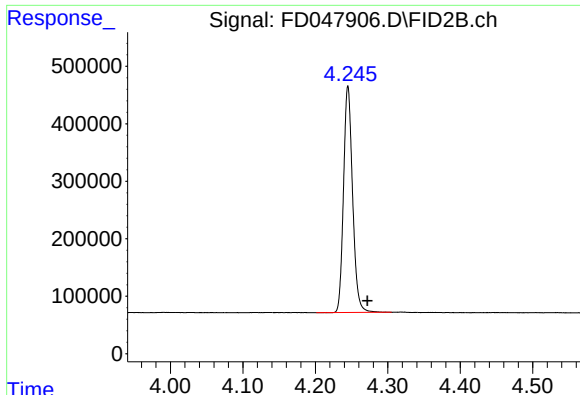
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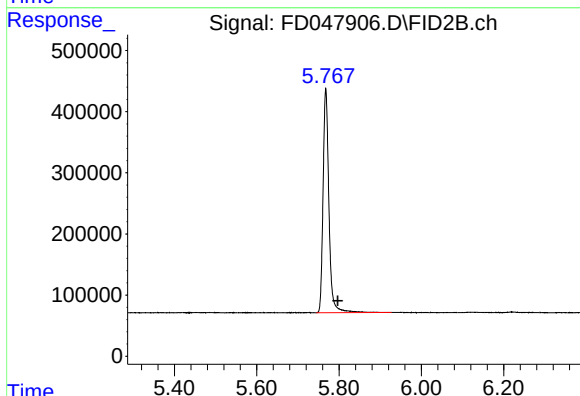
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.245 min
Delta R.T.: -0.027 min
Response: 3427196
Conc: 21.70 ug/ml

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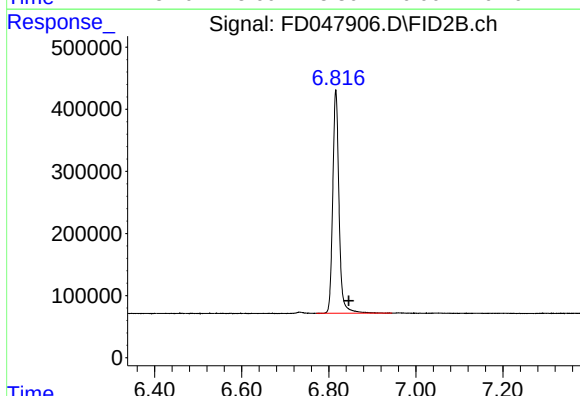
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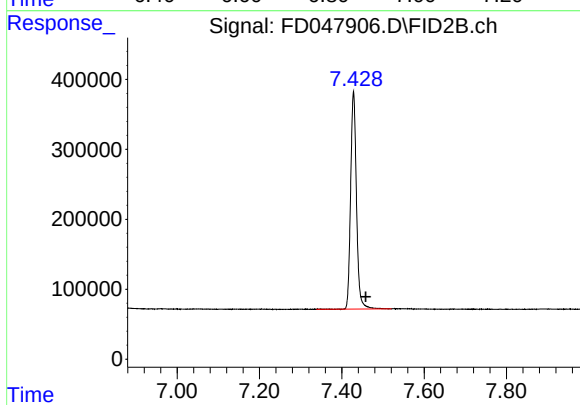
#2 Naphthalene (C11.7)

R.T.: 5.768 min
Delta R.T.: -0.029 min
Response: 3611873
Conc: 22.13 ug/ml



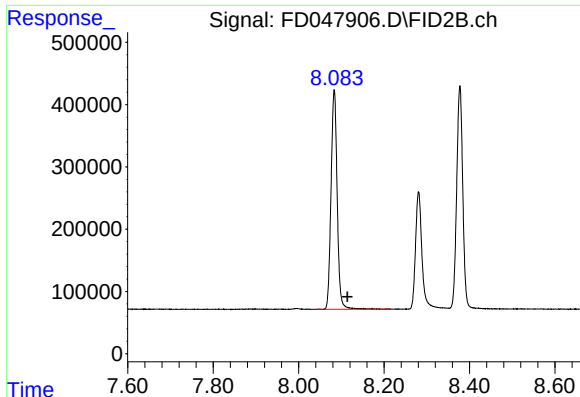
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.816 min
Delta R.T.: -0.030 min
Response: 3608621
Conc: 21.90 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.428 min
Delta R.T.: -0.030 min
Response: 3056554
Conc: 21.77 ug/ml



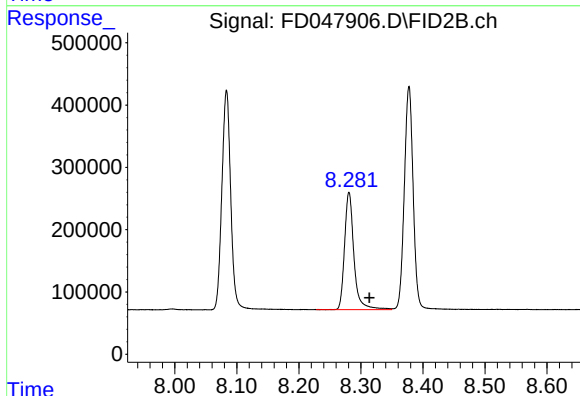
#5 Acenaphthylene (C15.06)

R.T.: 8.083 min
Delta R.T.: -0.031 min
Response: 3506500
Conc: 21.45 ug/ml

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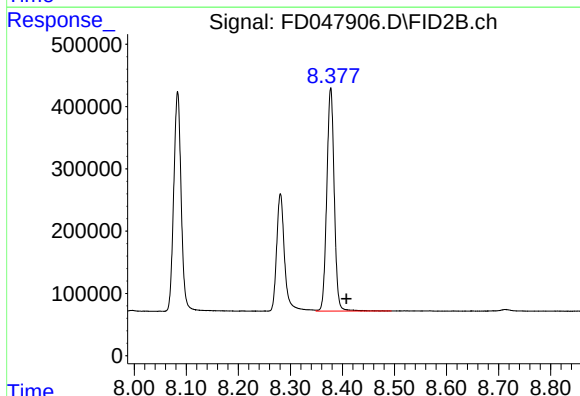
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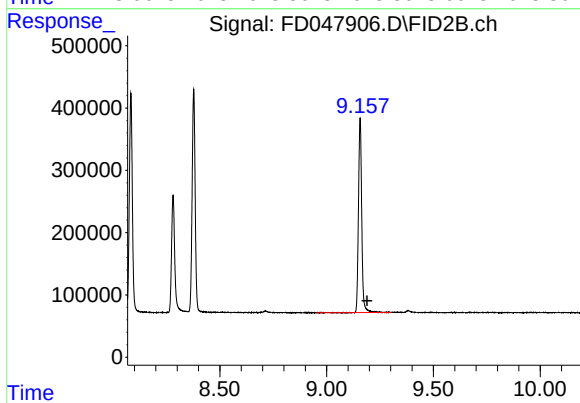
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.281 min
Delta R.T.: -0.033 min
Response: 1980400
Conc: 21.38 ug/ml



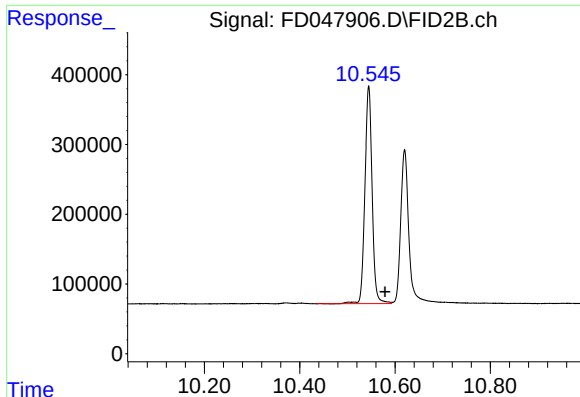
#7 Acenaphthene (C15.5)

R.T.: 8.377 min
Delta R.T.: -0.030 min
Response: 3556413
Conc: 21.78 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.157 min
Delta R.T.: -0.032 min
Response: 3329028
Conc: 21.16 ug/ml



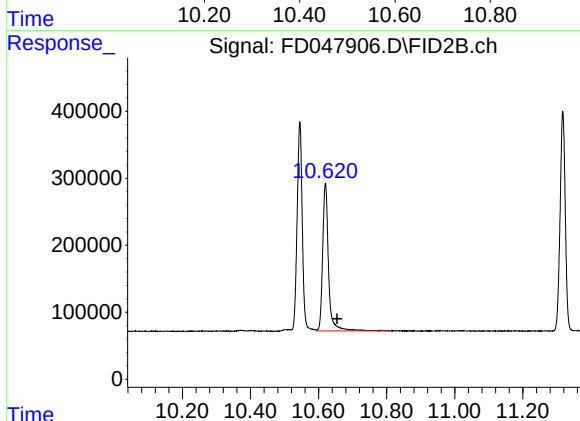
#9 Phenanthrene (C19.36)

R.T.: 10.545 min
Delta R.T.: -0.034 min
Response: 3301791
Conc: 21.41 ug/ml

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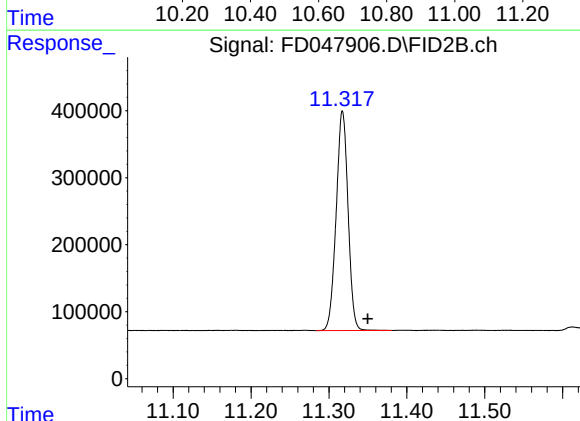
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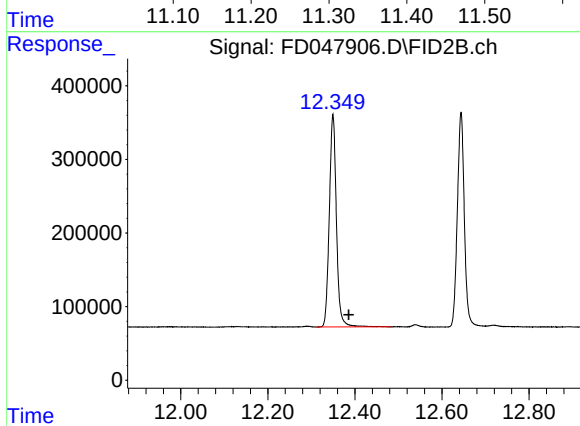
#10 Anthracene (C19.43)

R.T.: 10.620 min
Delta R.T.: -0.035 min
Response: 2637214
Conc: 17.54 ug/ml



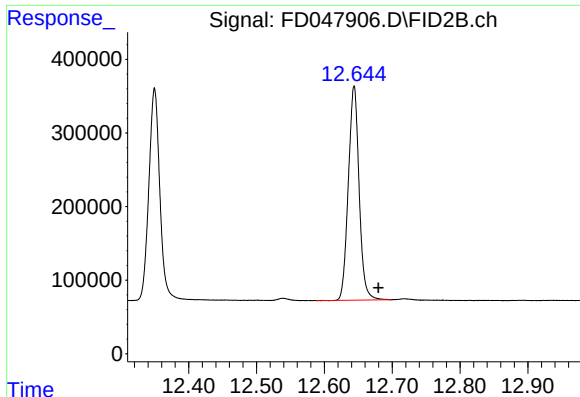
#11 ortho-Terphenyl (SURR)

R.T.: 11.317 min
Delta R.T.: -0.032 min
Response: 3470190
Conc: 21.70 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.350 min
Delta R.T.: -0.036 min
Response: 3272729
Conc: 21.57 ug/ml



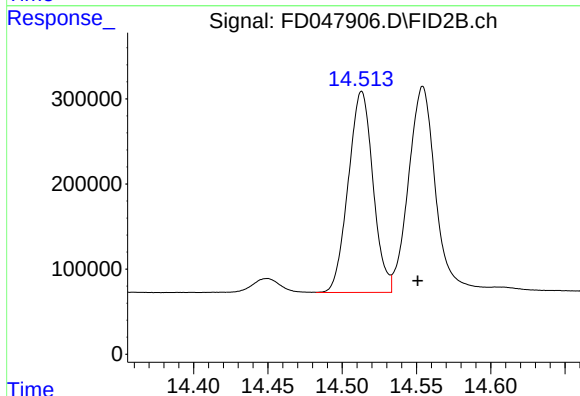
#13 Pyrene (C20.8)

R.T.: 12.644 min
Delta R.T.: -0.036 min
Response: 3215059
Conc: 21.33 ug/ml

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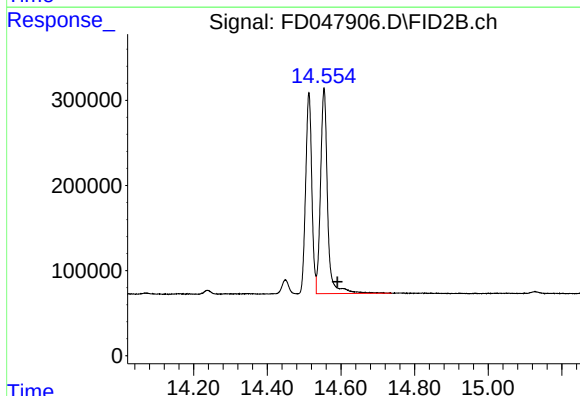
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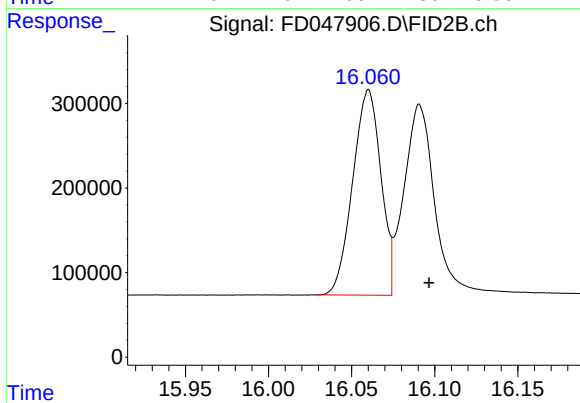
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.513 min
Delta R.T.: -0.038 min
Response: 2744759
Conc: 20.02 ug/ml m



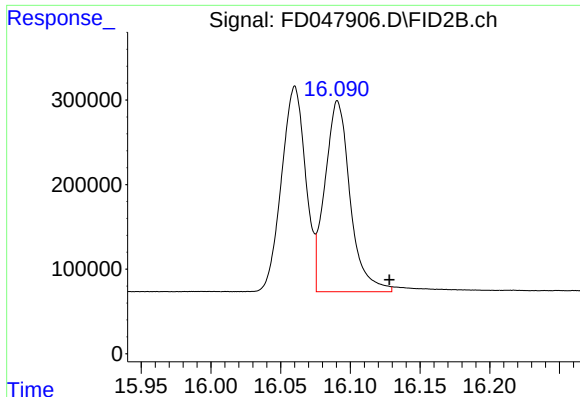
#15 Chrysene (C27.41)

R.T.: 14.554 min
Delta R.T.: -0.037 min
Response: 3219304
Conc: 21.85 ug/ml



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

R.T.: 16.060 min
Delta R.T.: -0.037 min
Response: 2870472
Conc: 20.40 ug/ml m



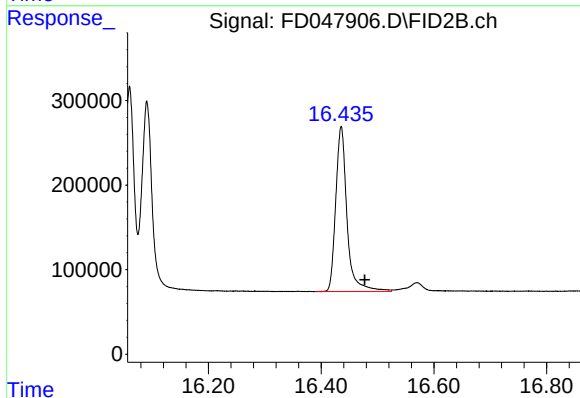
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.090 min
Delta R.T.: -0.038 min
Response: 2824399
Conc: 20.74 ug/ml

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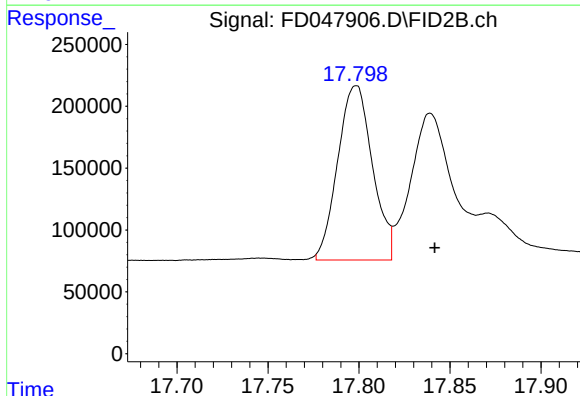
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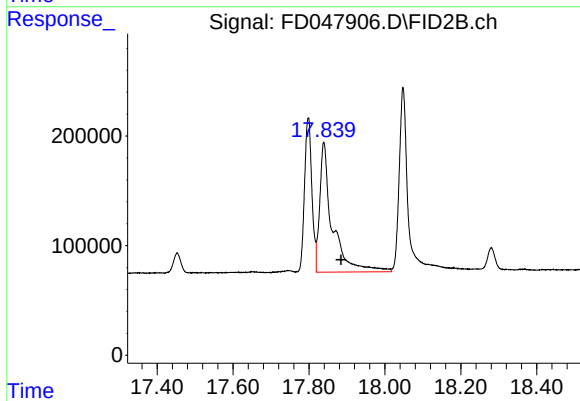
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.435 min
Delta R.T.: -0.042 min
Response: 2708398
Conc: 19.57 ug/ml



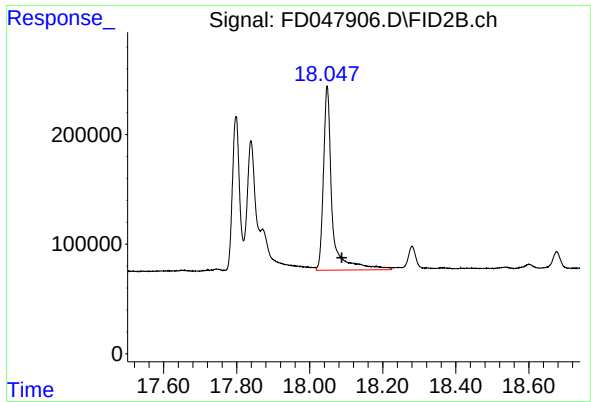
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.798 min
Delta R.T.: -0.043 min
Response: 1864530
Conc: 16.17 ug/ml m



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

R.T.: 17.840 min
Delta R.T.: -0.045 min
Response: 2750033
Conc: 20.62 ug/ml



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

R.T.: 18.048 min
Delta R.T.: -0.040 min
Response: 2789745
Conc: 20.98 ug/ml

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