

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD060324AR\
 Data File : FD047858.D
 Signal(s) : FID2B.ch
 Acq On : 03 Jun 2024 12:09
 Operator : YP/AJ
 Sample : PB161228BSD
 Misc :
 ALS Vial : 63 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 PB161228BSD

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 05:27:14 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...	7.435	7013269	49.955 ug/ml
Spiked Amount 50.000		Recovery =	99.91%
6) S 2-Fluorobiphenyl (SURR)	8.287	3871475	41.803 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	83.61%
11) S ortho-Terphenyl (SURR)	11.328	6562164	41.043 ug/ml
Spiked Amount 50.000		Recovery =	82.09%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.249	4431585	28.059 ug/ml
2) T Naphthalene (C11.7)	5.772	5349609	32.774 ug/ml
3) T 2-Methylnaphthalene (...)	6.822	5701604	34.601 ug/ml
5) T Acenaphthylene (C15.06)	8.091	6158208	37.678 ug/ml
7) T Acenaphthene (C15.5)	8.386	6034874	36.960 ug/ml
8) T Flouorene (C16.55)	9.165	6237880	39.652 ug/ml
9) T Phenanthrene (C19.36)	10.555	6325925	41.022 ug/ml
10) T Anthracene (C19.43)	10.630	6214269	41.337 ug/ml
12) T Fluoranthene (C21.85)	12.362	6330335	41.714 ug/ml
13) T Pyrene (C20.8)	12.656	6441029	42.725 ug/ml
14) T Benzo[a]anthracene (C...	14.527	5876795	42.870 ug/mlm
15) T Chrysene (C27.41)	14.568	5913833	40.143 ug/ml
16) T benzo[b]fluoranthene ...	16.074	5855294	41.603 ug/mlm
17) T Bnezo[k]fluoranthene ...	16.108	5838111	42.871 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.450	5587639	40.368 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.817	5377716	46.649 ug/mlm
20) T Dibenz[a,h]anthracene...	17.854	5252677	39.392 ug/ml
21) T Benzo[g,h,i]perylene ...	18.068	5213583	39.203 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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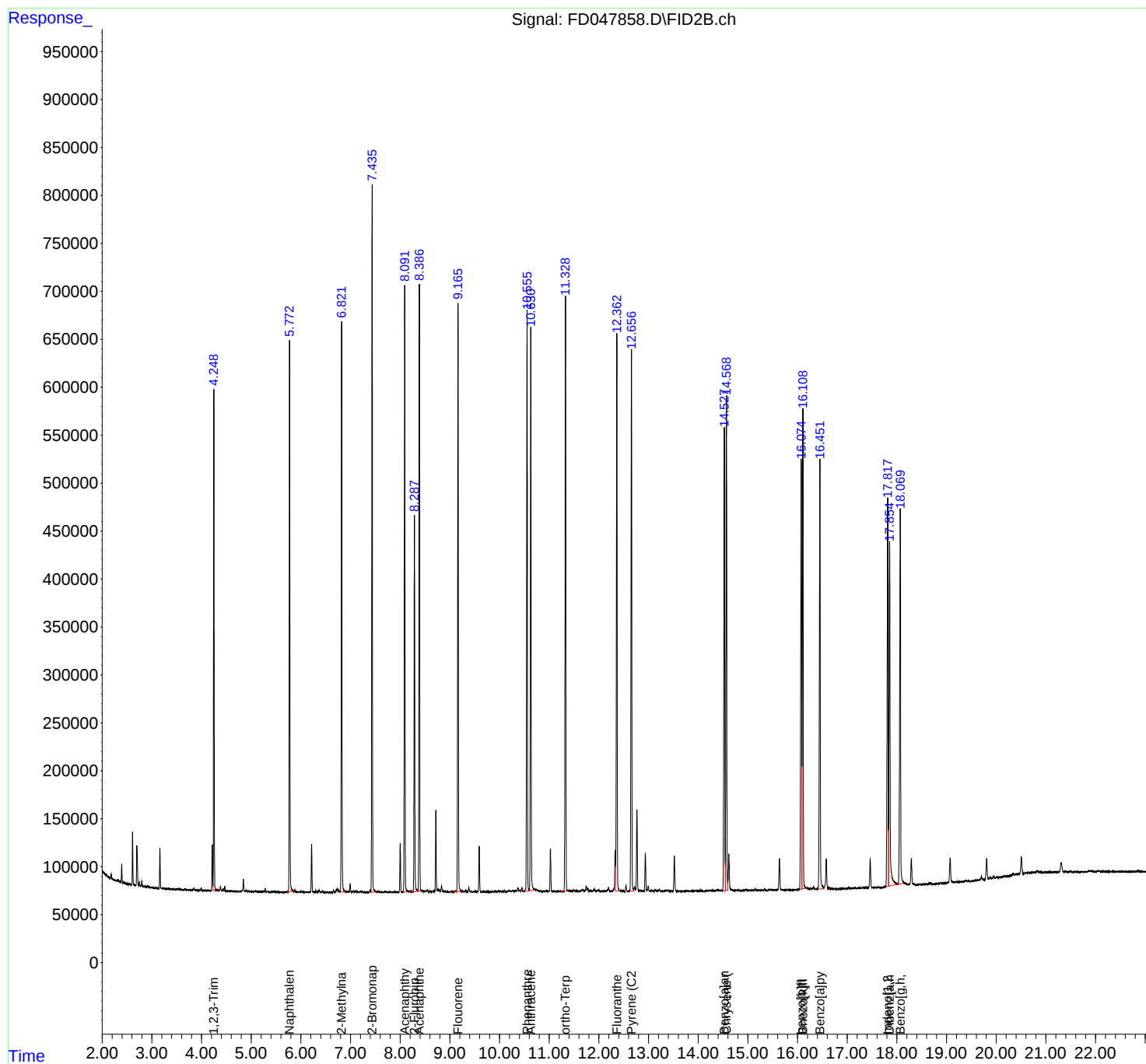
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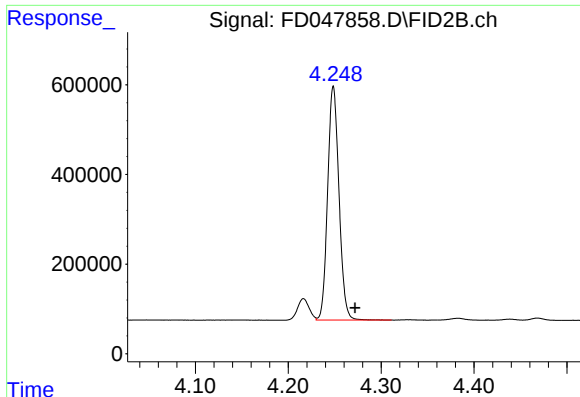
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#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.249 min
Delta R.T.: -0.023 min
Response: 4431585
Conc: 28.06 ug/ml

Instrument :

FID_D

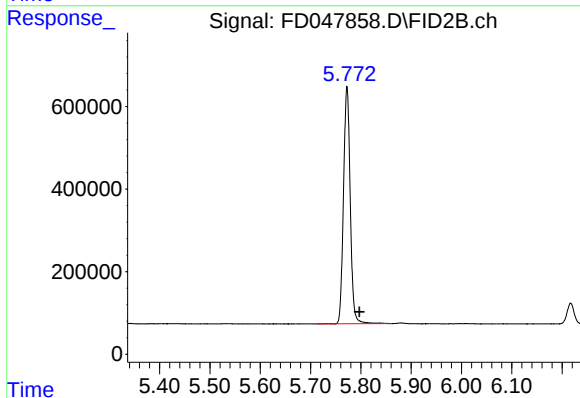
ClientSampleId :

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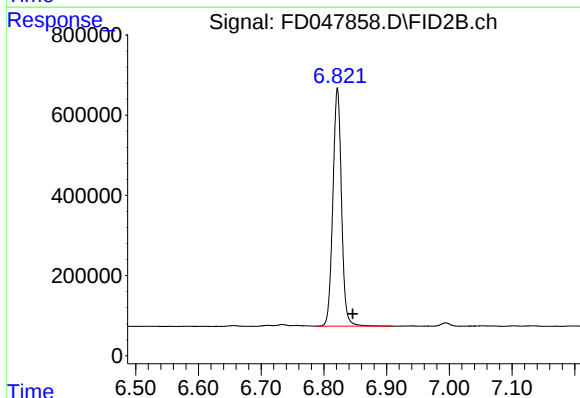
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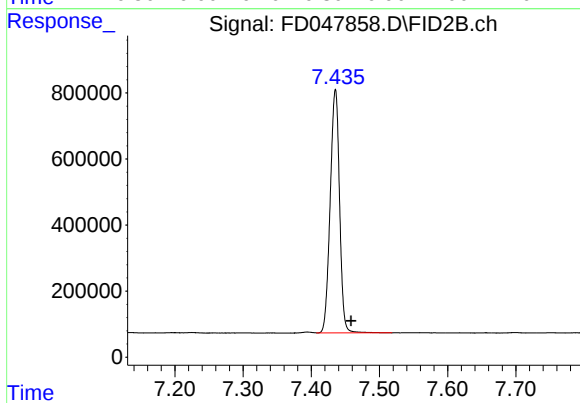
#2 Naphthalene (C11.7)

R.T.: 5.772 min
Delta R.T.: -0.025 min
Response: 5349609
Conc: 32.77 ug/ml



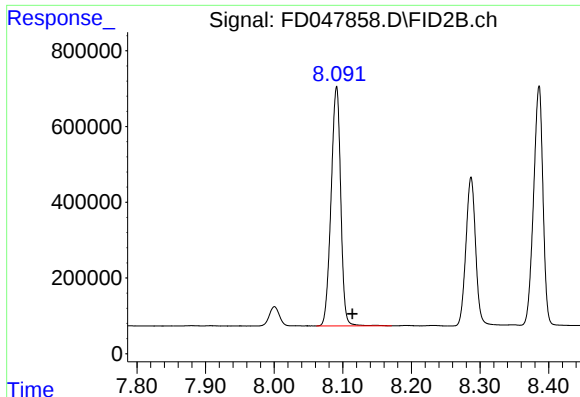
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.822 min
Delta R.T.: -0.024 min
Response: 5701604
Conc: 34.60 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.435 min
Delta R.T.: -0.023 min
Response: 7013269
Conc: 49.96 ug/ml



#5 Acenaphthylene (C15.06)

R.T.: 8.091 min
Delta R.T.: -0.023 min
Response: 6158208
Conc: 37.68 ug/ml

Instrument :

FID_D

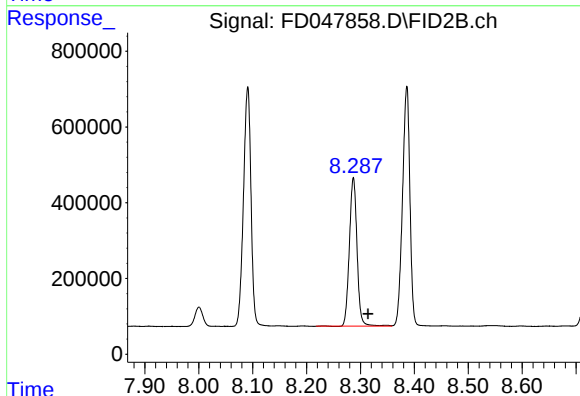
ClientSampleId :

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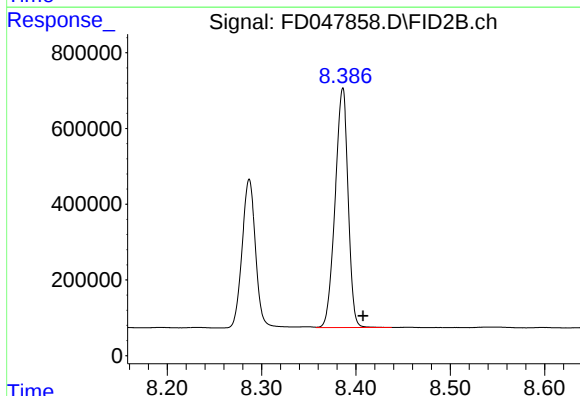
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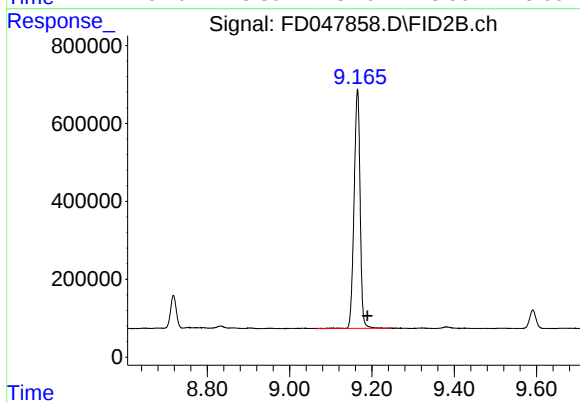
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.287 min
Delta R.T.: -0.027 min
Response: 3871475
Conc: 41.80 ug/ml



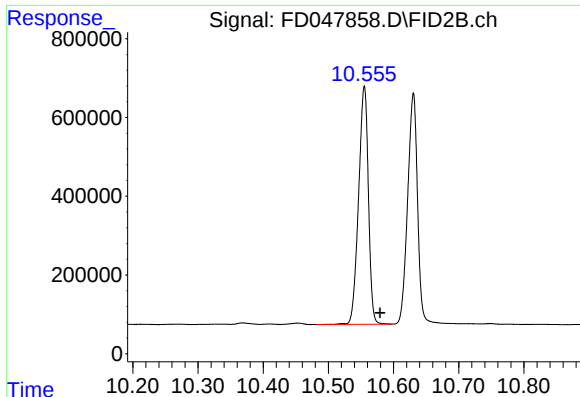
#7 Acenaphthene (C15.5)

R.T.: 8.386 min
Delta R.T.: -0.022 min
Response: 6034874
Conc: 36.96 ug/ml



#8 Fluorene (C16.55)

R.T.: 9.165 min
Delta R.T.: -0.024 min
Response: 6237880
Conc: 39.65 ug/ml



#9 Phenanthrene (C19.36)

R.T.: 10.555 min
Delta R.T.: -0.024 min
Response: 6325925
Conc: 41.02 ug/ml

Instrument :

FID_D

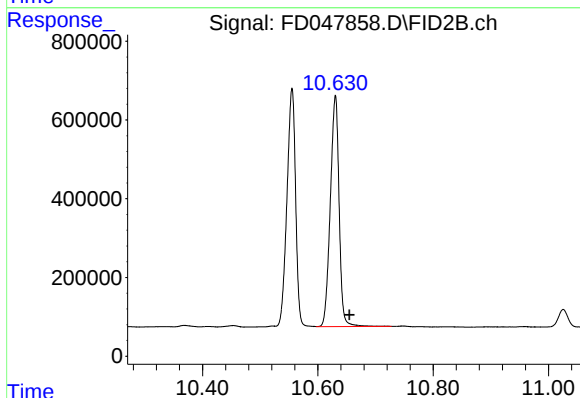
ClientSampleId :

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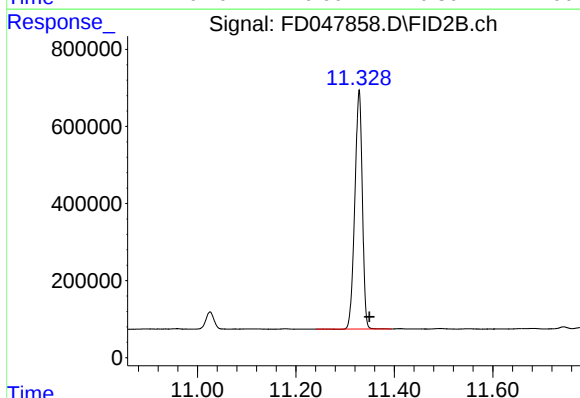
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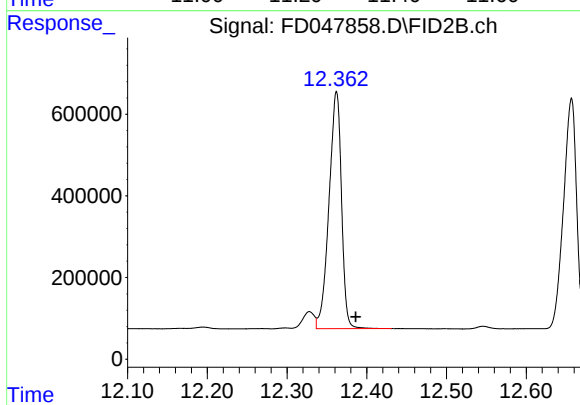
#10 Anthracene (C19.43)

R.T.: 10.630 min
Delta R.T.: -0.025 min
Response: 6214269
Conc: 41.34 ug/ml



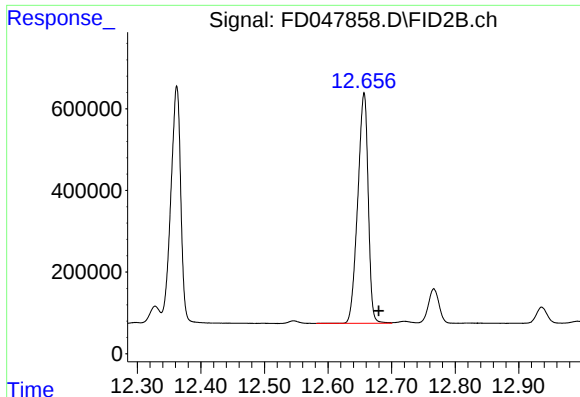
#11 ortho-Terphenyl (SURR)

R.T.: 11.328 min
Delta R.T.: -0.022 min
Response: 6562164
Conc: 41.04 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.362 min
Delta R.T.: -0.024 min
Response: 6330335
Conc: 41.71 ug/ml



#13 Pyrene (C20.8)

R.T.: 12.656 min
Delta R.T.: -0.023 min
Response: 6441029
Conc: 42.73 ug/ml

Instrument :

FID_D

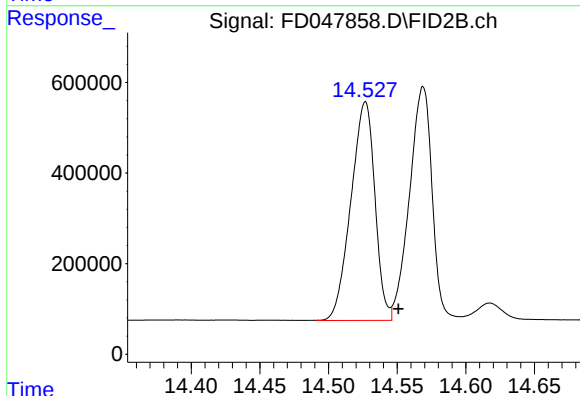
ClientSampleId :

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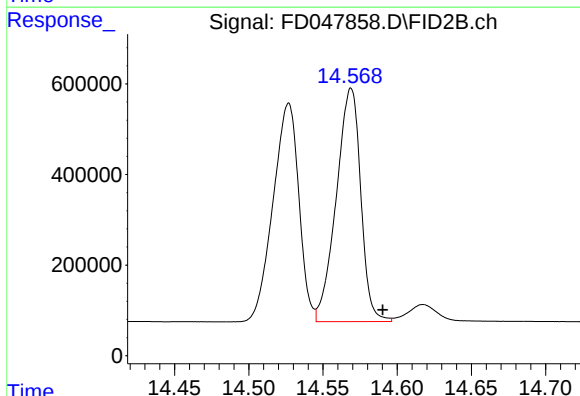
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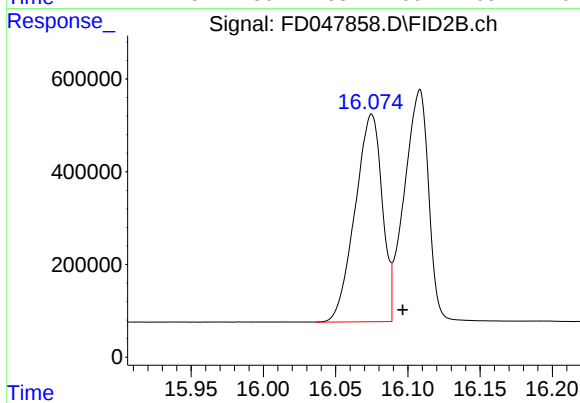
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.527 min
Delta R.T.: -0.024 min
Response: 5876795
Conc: 42.87 ug/ml m



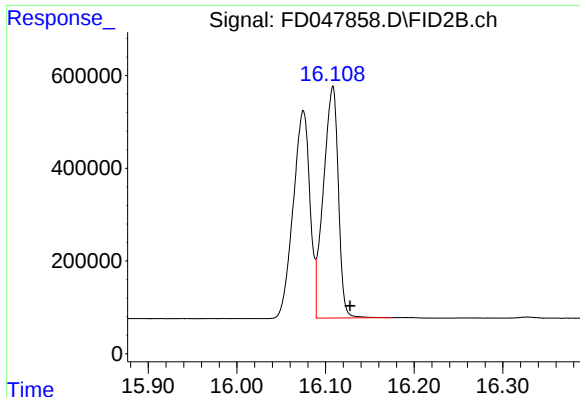
#15 Chrysene (C27.41)

R.T.: 14.568 min
Delta R.T.: -0.022 min
Response: 5913833
Conc: 40.14 ug/ml



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

R.T.: 16.074 min
Delta R.T.: -0.022 min
Response: 5855294
Conc: 41.60 ug/ml m



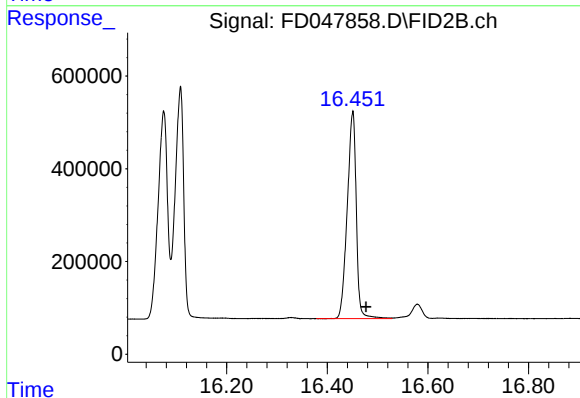
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.108 min
Delta R.T.: -0.020 min
Response: 5838111
Conc: 42.87 ug/ml

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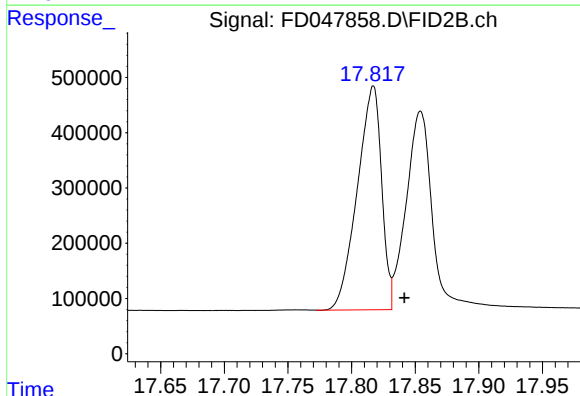
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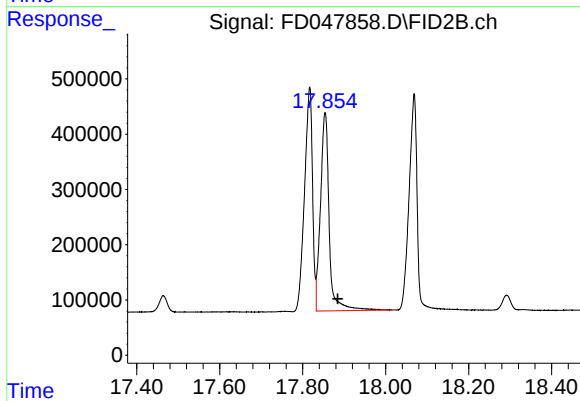
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.450 min
Delta R.T.: -0.027 min
Response: 5587639
Conc: 40.37 ug/ml



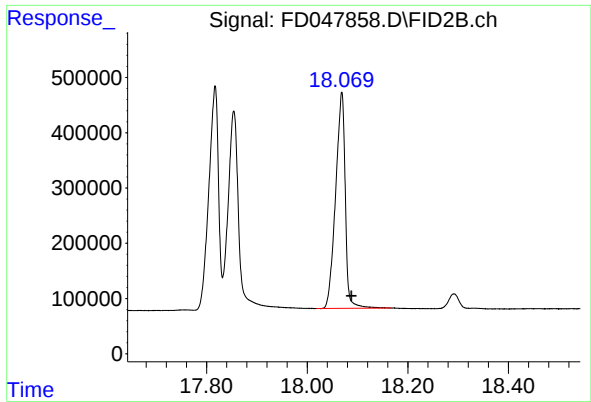
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.817 min
Delta R.T.: -0.025 min
Response: 5377716
Conc: 46.65 ug/ml m



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

R.T.: 17.854 min
Delta R.T.: -0.031 min
Response: 5252677
Conc: 39.39 ug/ml



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

R.T.: 18.068 min
Delta R.T.: -0.020 min
Response: 5213583
Conc: 39.20 ug/ml

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