

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD032824AR\
 Data File : FD047444.D
 Signal(s) : FID2B.ch
 Acq On : 28 Mar 2024 21:25
 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 03/29/2024
 Supervised By :Ankita Jodhani 03/29/2024

Integration File: autoint1.e
 Quant Time: Mar 29 04:21:39 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 030424.M
 Quant Title : GC Extractables
 QLast Update : Mon Mar 04 13:13:44 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...	7.455	3289336	19.916 ug/ml
Spiked Amount 50.000		Recovery =	39.83%
6) S 2-Fluorobiphenyl (SURR)	8.307	2156653	20.268 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	40.54%
11) S ortho-Terphenyl (SURR)	11.341	3767367	20.187 ug/ml
Spiked Amount 50.000		Recovery =	40.37%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.272	3477355	19.566 ug/ml
2) T Naphthalene (C11.7)	5.796	3616169	19.829 ug/ml
3) T 2-Methylnaphthalene (...)	6.843	3614594	19.819 ug/ml
5) T Acenaphthylene (C15.06)	8.110	3284831	19.703 ug/ml
7) T Acenaphthene (C15.5)	8.405	3522076	19.991 ug/ml
8) T Flouorene (C16.55)	9.182	3382426	20.080 ug/ml
9) T Phenanthrene (C19.36)	10.570	3267980	20.179 ug/ml
10) T Anthracene (C19.43)	10.643	2643603	17.963 ug/ml
12) T Fluoranthene (C21.85)	12.371	3265338	20.482 ug/mlm
13) T Pyrene (C20.8)	12.665	3154968	20.393 ug/ml
14) T Benzo[a]anthracene (C...	14.528	2822604	20.822 ug/ml
15) T Chrysene (C27.41)	14.570	3047747	20.531 ug/mlm
16) T benzo[b]fluoranthene ...	16.070	2982651	21.247 ug/ml
17) T Bnezo[k]fluoranthene ...	16.102	3039658	21.465 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.444	2904597	21.027 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.802	2819505	22.559 ug/mlm
20) T Dibenz[a,h]anthracene...	17.842	2867958	21.748 ug/mlm
21) T Benzo[g,h,i]perylene ...	18.054	2930853	21.813 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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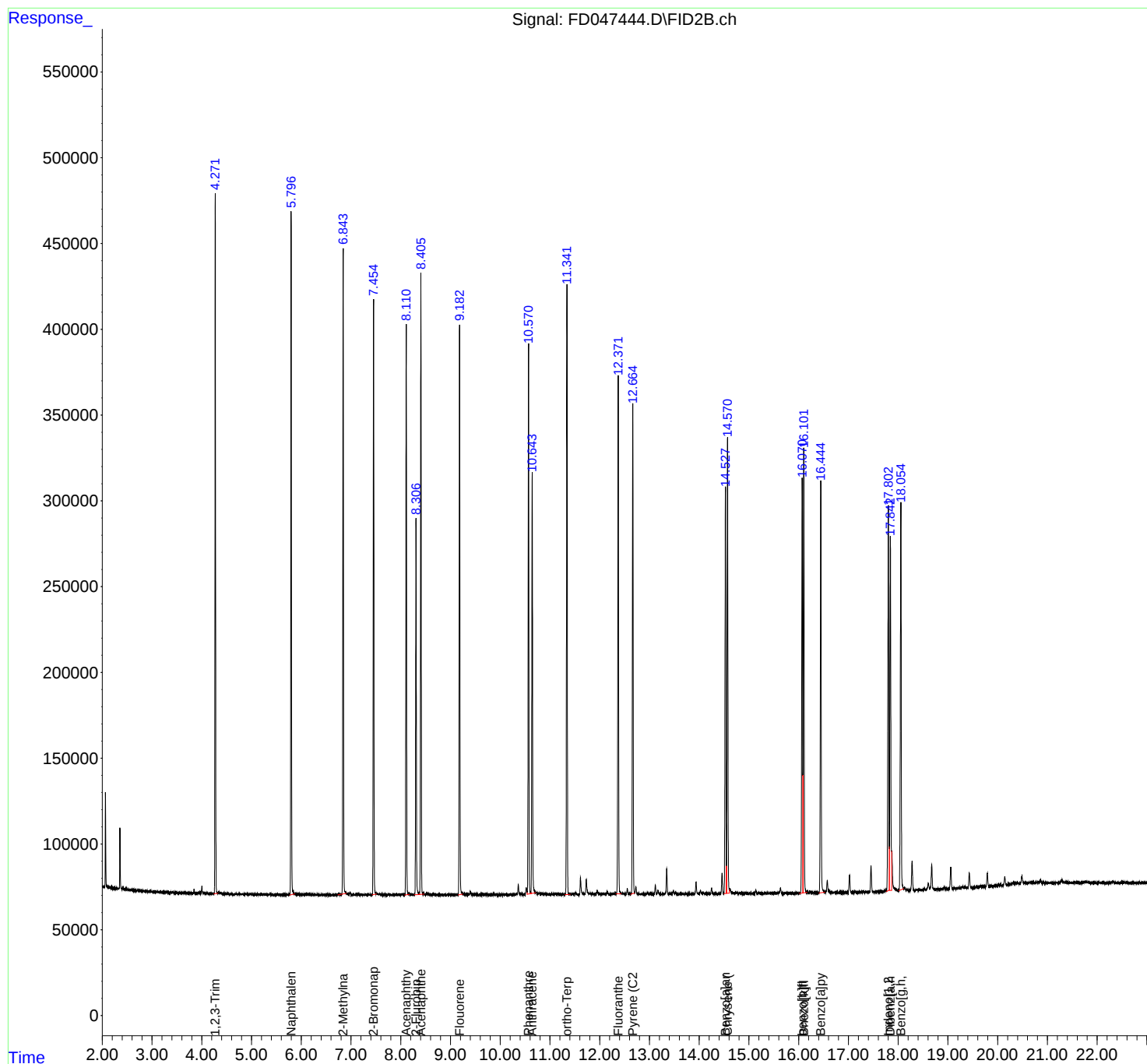
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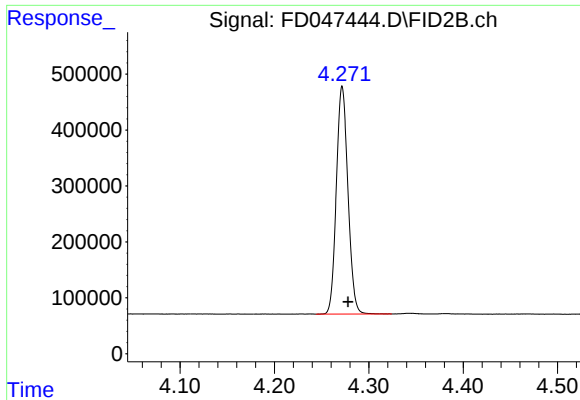
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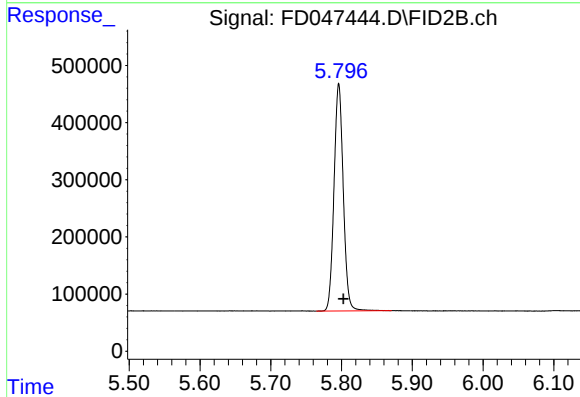
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.272 min
Delta R.T.: -0.006 min
Response: 3477355
Conc: 19.57 ug/ml

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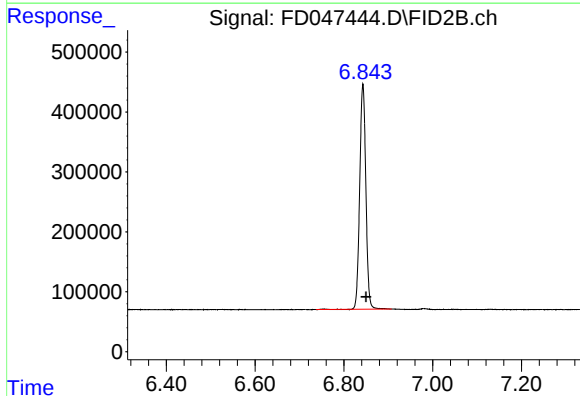
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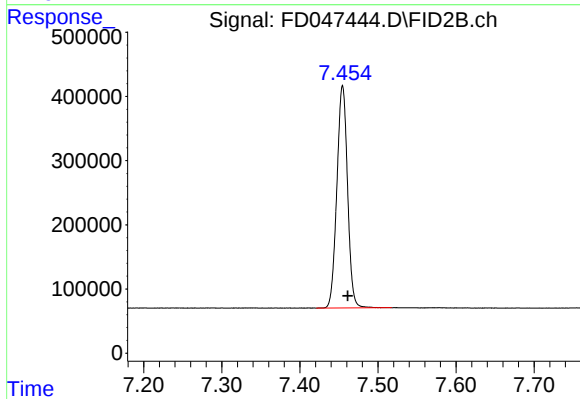
#2 Naphthalene (C11.7)

R.T.: 5.796 min
Delta R.T.: -0.007 min
Response: 3616169
Conc: 19.83 ug/ml



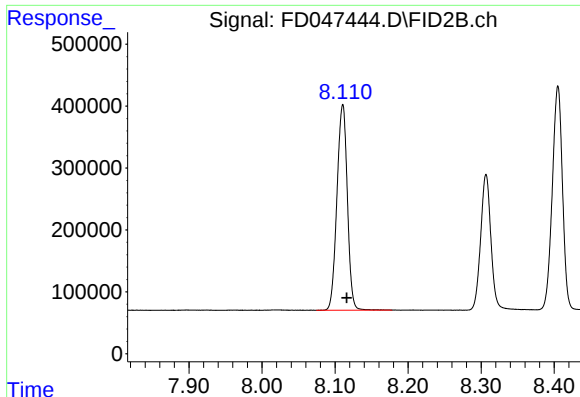
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.843 min
Delta R.T.: -0.007 min
Response: 3614594
Conc: 19.82 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.455 min
Delta R.T.: -0.007 min
Response: 3289336
Conc: 19.92 ug/ml



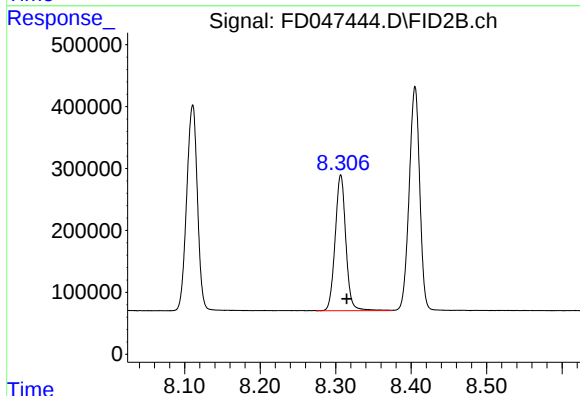
#5 Acenaphthylene (C15.06)

R.T.: 8.110 min
Delta R.T.: -0.006 min
Response: 3284831
Conc: 19.70 ug/ml

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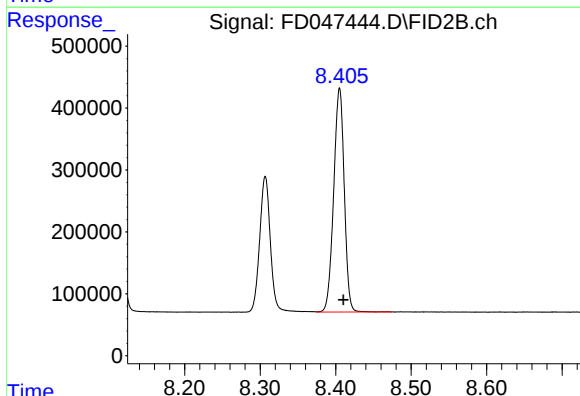
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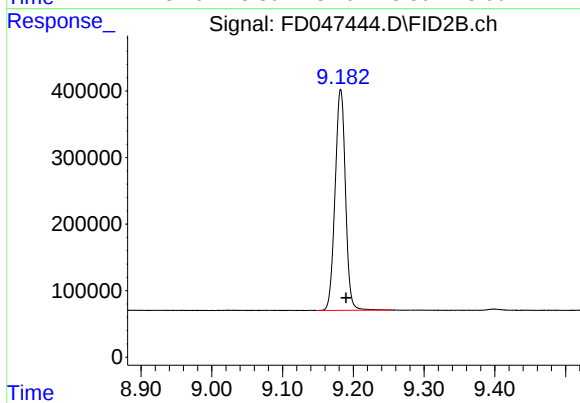
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.307 min
Delta R.T.: -0.008 min
Response: 2156653
Conc: 20.27 ug/ml



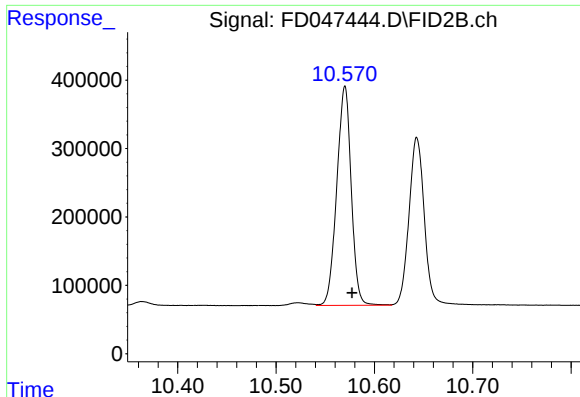
#7 Acenaphthene (C15.5)

R.T.: 8.405 min
Delta R.T.: -0.005 min
Response: 3522076
Conc: 19.99 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.182 min
Delta R.T.: -0.008 min
Response: 3382426
Conc: 20.08 ug/ml



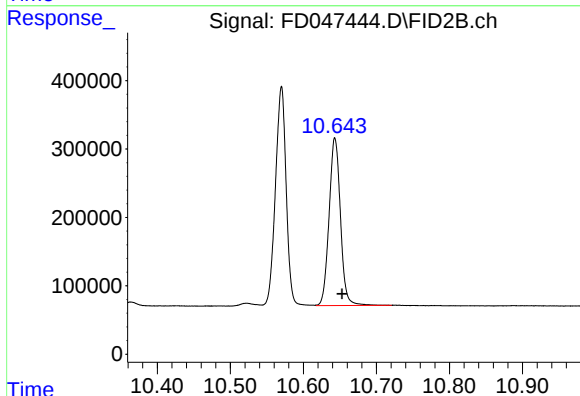
#9 Phenanthrene (C19.36)

R.T.: 10.570 min
Delta R.T.: -0.007 min
Response: 3267980
Conc: 20.18 ug/ml

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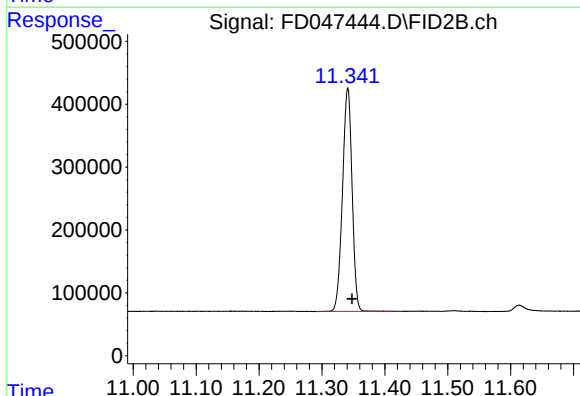
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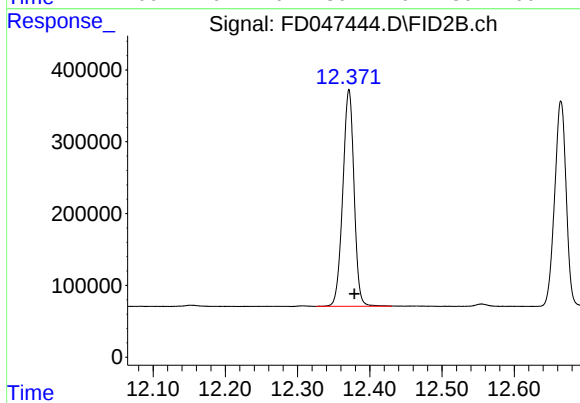
#10 Anthracene (C19.43)

R.T.: 10.643 min
Delta R.T.: -0.010 min
Response: 2643603
Conc: 17.96 ug/ml



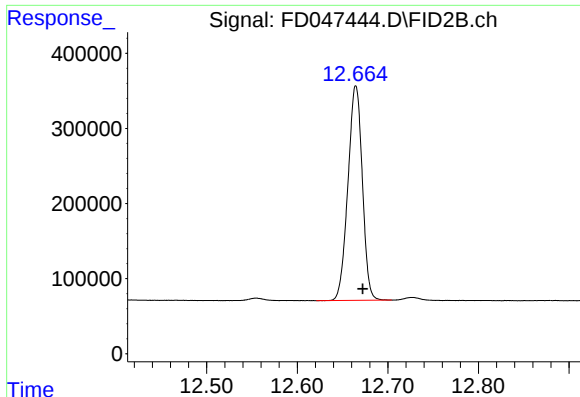
#11 ortho-Terphenyl (SURR)

R.T.: 11.341 min
Delta R.T.: -0.007 min
Response: 3767367
Conc: 20.19 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.371 min
Delta R.T.: -0.007 min
Response: 3265338
Conc: 20.48 ug/ml m



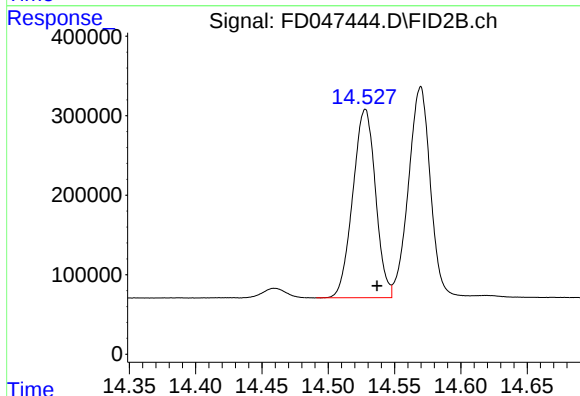
#13 Pyrene (C20.8)

R.T.: 12.665 min
Delta R.T.: -0.008 min
Response: 3154968
Conc: 20.39 ug/ml

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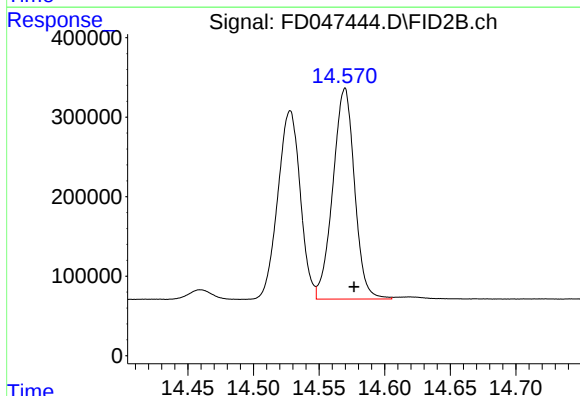
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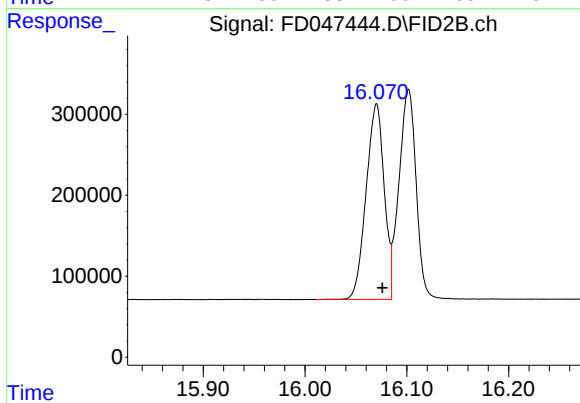
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.528 min
Delta R.T.: -0.009 min
Response: 2822604
Conc: 20.82 ug/ml



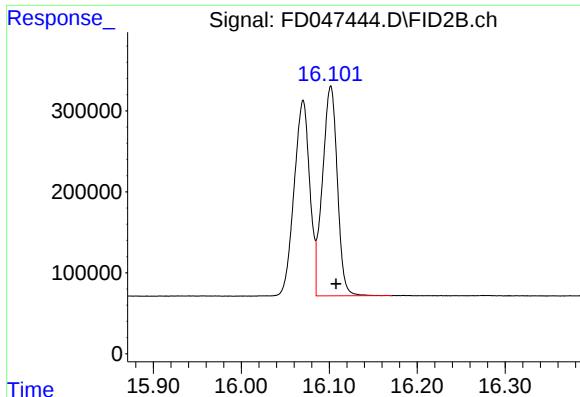
#15 Chrysene (C27.41)

R.T.: 14.570 min
Delta R.T.: -0.007 min
Response: 3047747
Conc: 20.53 ug/ml m



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

R.T.: 16.070 min
Delta R.T.: -0.006 min
Response: 2982651
Conc: 21.25 ug/ml



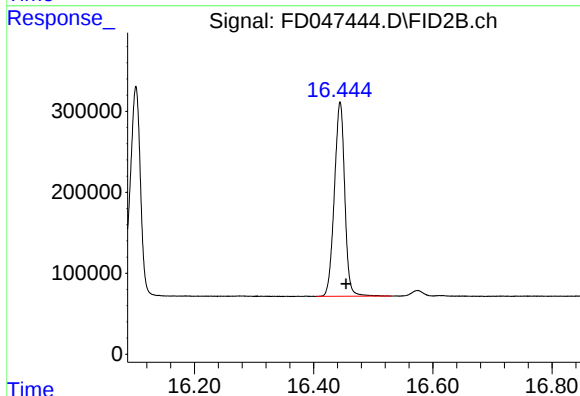
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.102 min
Delta R.T.: -0.006 min
Response: 3039658
Conc: 21.46 ug/ml

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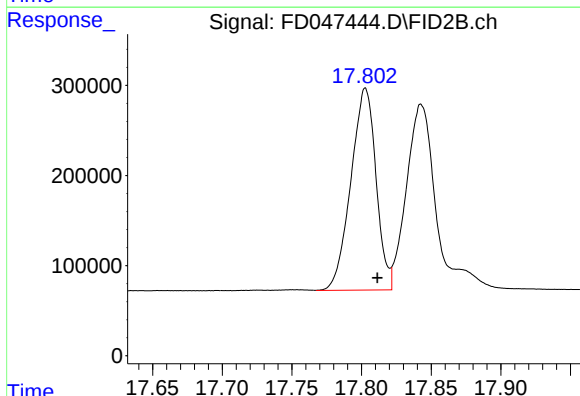
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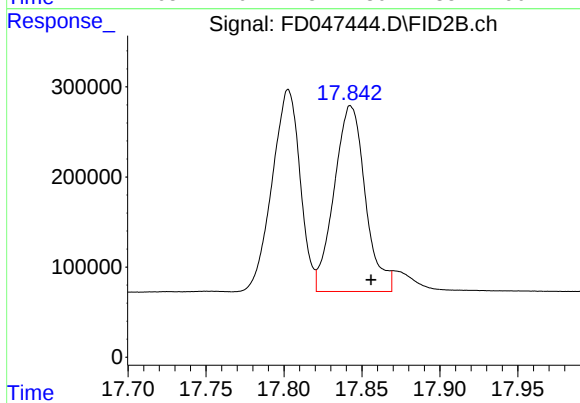
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.444 min
Delta R.T.: -0.010 min
Response: 2904597
Conc: 21.03 ug/ml



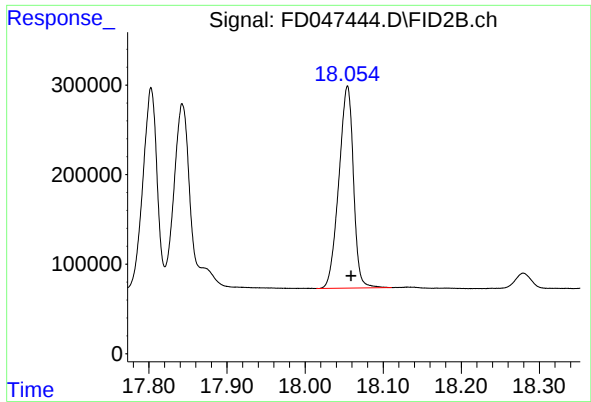
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.802 min
Delta R.T.: -0.009 min
Response: 2819505
Conc: 22.56 ug/ml m



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

R.T.: 17.842 min
Delta R.T.: -0.014 min
Response: 2867958
Conc: 21.75 ug/ml m



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

R.T.: 18.054 min
Delta R.T.: -0.005 min
Response: 2930853
Conc: 21.81 ug/ml

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