

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD022024AR\
 Data File : FD047262.D
 Signal(s) : FID2B.ch
 Acq On : 20 Feb 2024 10:21
 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 02/21/2024
 Supervised By :Ankita Jodhani 02/21/2024

Integration File: autoint1.e
 Quant Time: Feb 21 01:31:28 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 020824.M
 Quant Title : GC Extractables
 QLast Update : Thu Feb 08 13:43:49 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...	7.464	2997008	19.686 ug/ml
Spiked Amount 50.000		Recovery =	39.37%
6) S 2-Fluorobiphenyl (SURR)	8.316	1974343	19.533 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	39.07%
11) S ortho-Terphenyl (SURR)	11.352	3427064	19.431 ug/ml
Spiked Amount 50.000		Recovery =	38.86%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.280	3134347	19.882 ug/ml
2) T Naphthalene (C11.7)	5.805	3283798	19.758 ug/ml
3) T 2-Methylnaphthalene (...)	6.851	3331438	19.755 ug/ml
5) T Acenaphthylene (C15.06)	8.119	2977803	19.347 ug/ml
7) T Acenaphthene (C15.5)	8.414	3202136	19.427 ug/ml
8) T Flouorene (C16.55)	9.192	3127432	19.726 ug/ml
9) T Phenanthrene (C19.36)	10.580	2982613	19.199 ug/ml
10) T Anthracene (C19.43)	10.654	2305229	15.632 ug/mlm
12) T Fluoranthene (C21.85)	12.382	3066998	19.809 ug/ml
13) T Pyrene (C20.8)	12.676	2906844	19.324 ug/ml
14) T Benzo[a]anthracene (C...	14.540	2582255	19.210 ug/ml
15) T Chrysene (C27.41)	14.582	2852524	19.480 ug/ml
16) T benzo[b]fluoranthene ...	16.082	2672263	19.409 ug/ml
17) T Bnezo[k]fluoranthene ...	16.114	2838588	20.457 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.456	2518161	18.601 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.813	2458451	19.473 ug/ml
20) T Dibenz[a,h]anthracene...	17.853	2465889	18.507 ug/mlm
21) T Benzo[g,h,i]perylene ...	18.065	2618309	19.747 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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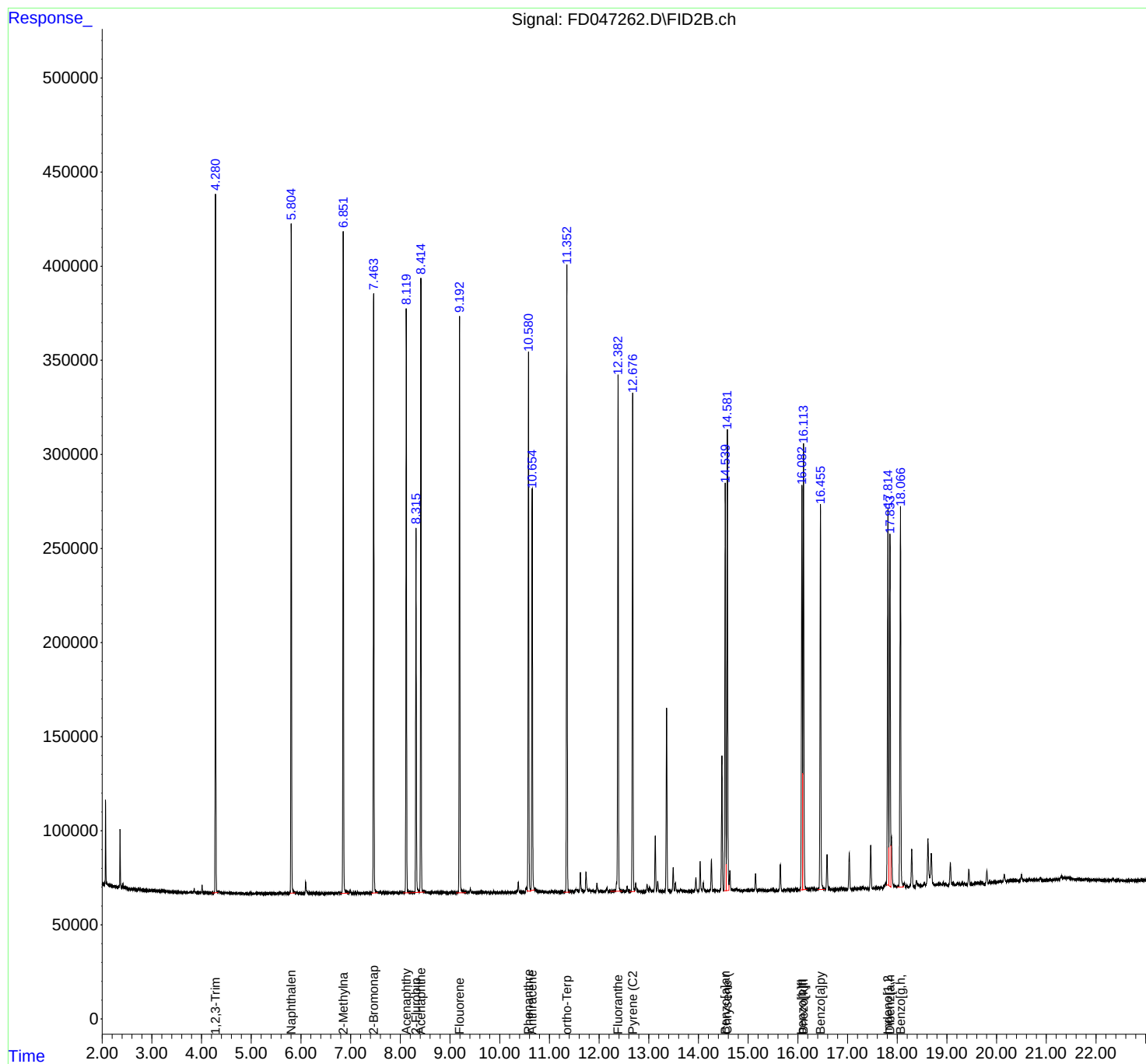
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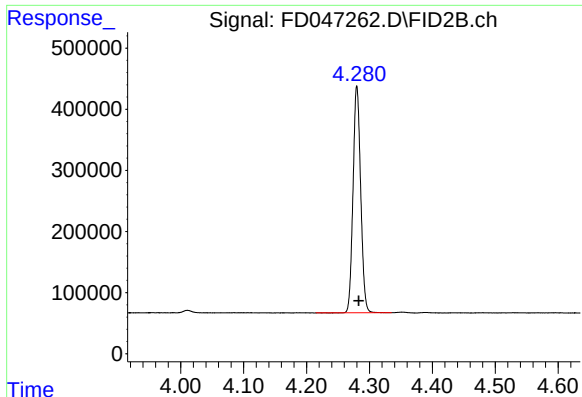
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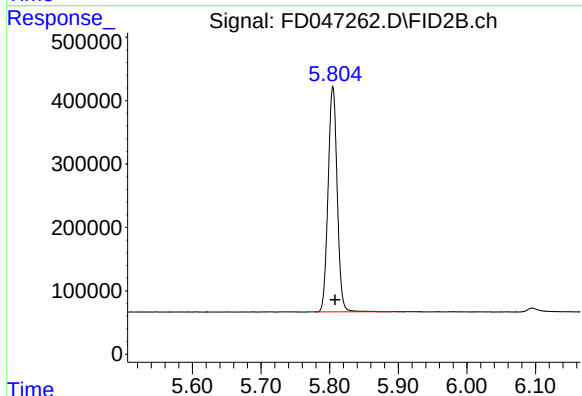
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.280 min
Delta R.T.: -0.003 min
Response: 3134347
Conc: 19.88 ug/ml

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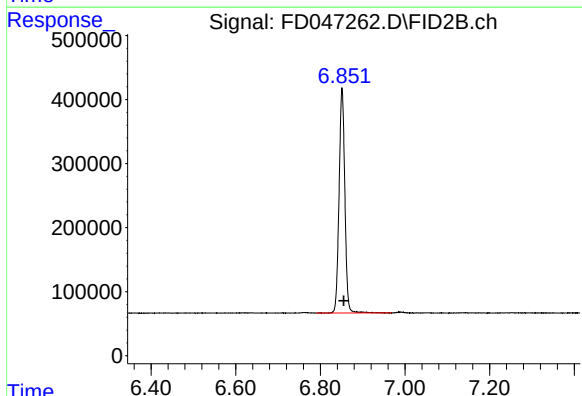
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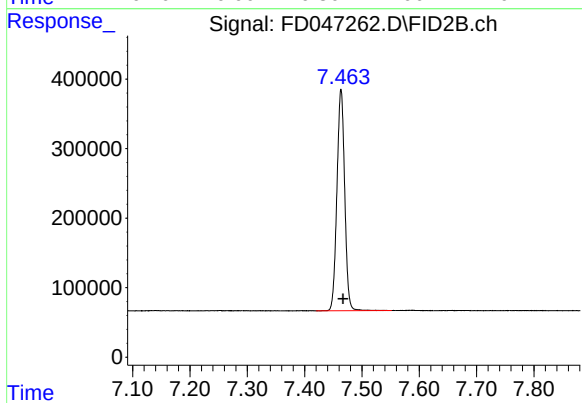
#2 Naphthalene (C11.7)

R.T.: 5.805 min
Delta R.T.: -0.003 min
Response: 3283798
Conc: 19.76 ug/ml



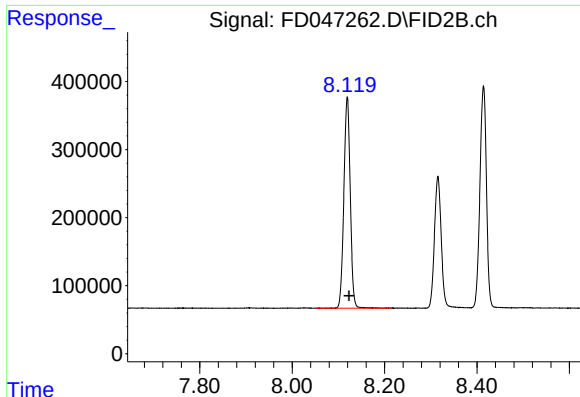
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.851 min
Delta R.T.: -0.004 min
Response: 3331438
Conc: 19.75 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.464 min
Delta R.T.: -0.004 min
Response: 2997008
Conc: 19.69 ug/ml



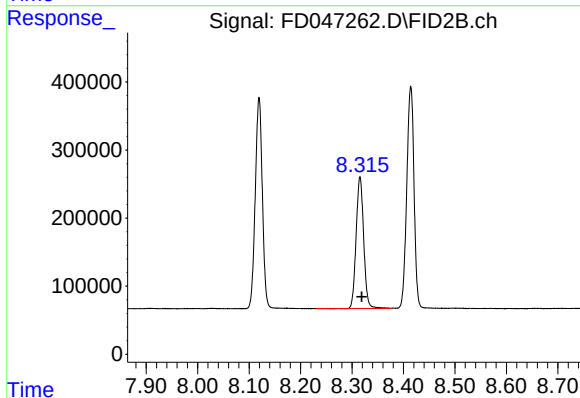
#5 Acenaphthylene (C15.06)

R.T.: 8.119 min
Delta R.T.: -0.004 min
Response: 2977803
Conc: 19.35 ug/ml

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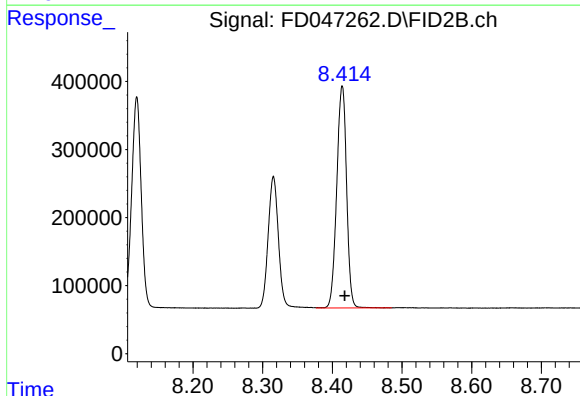
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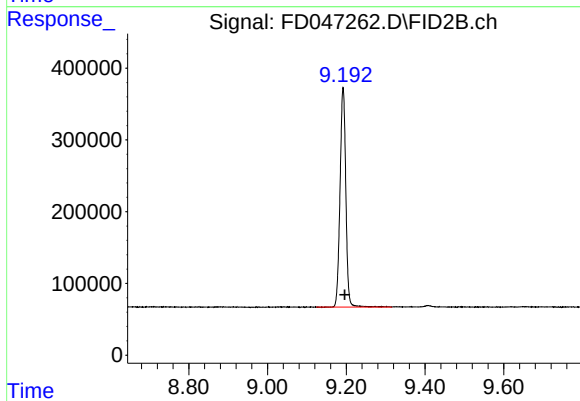
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.316 min
Delta R.T.: -0.004 min
Response: 1974343
Conc: 19.53 ug/ml



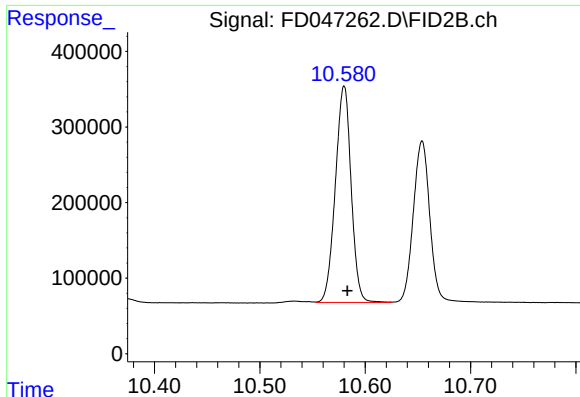
#7 Acenaphthene (C15.5)

R.T.: 8.414 min
Delta R.T.: -0.004 min
Response: 3202136
Conc: 19.43 ug/ml



#8 Fluorene (C16.55)

R.T.: 9.192 min
Delta R.T.: -0.004 min
Response: 3127432
Conc: 19.73 ug/ml



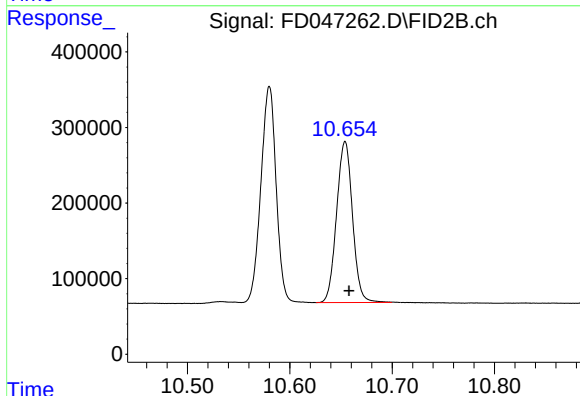
#9 Phenanthrene (C19.36)

R.T.: 10.580 min
Delta R.T.: -0.003 min
Response: 2982613
Conc: 19.20 ug/ml

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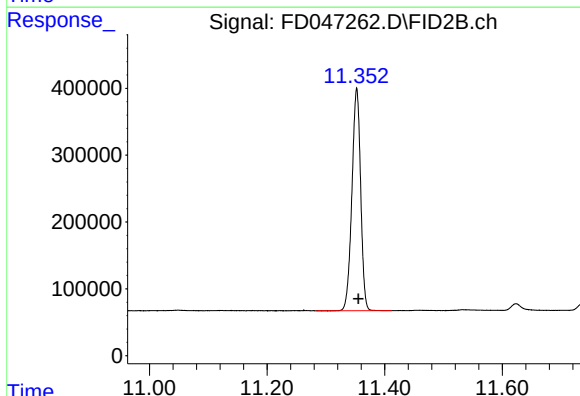
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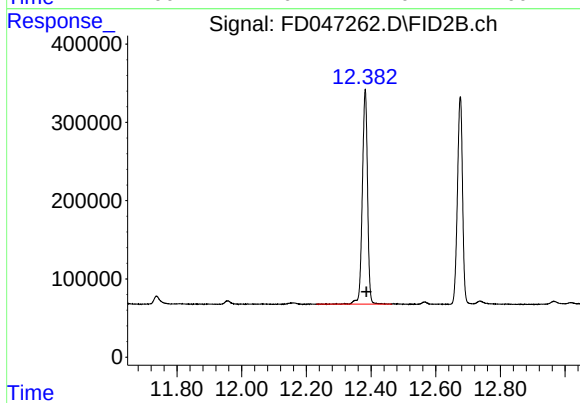
#10 Anthracene (C19.43)

R.T.: 10.654 min
Delta R.T.: -0.004 min
Response: 2305229
Conc: 15.63 ug/ml m



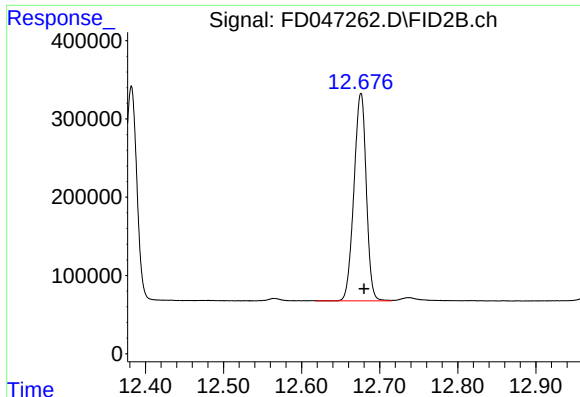
#11 ortho-Terphenyl (SURR)

R.T.: 11.352 min
Delta R.T.: -0.003 min
Response: 3427064
Conc: 19.43 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.382 min
Delta R.T.: -0.004 min
Response: 3066998
Conc: 19.81 ug/ml



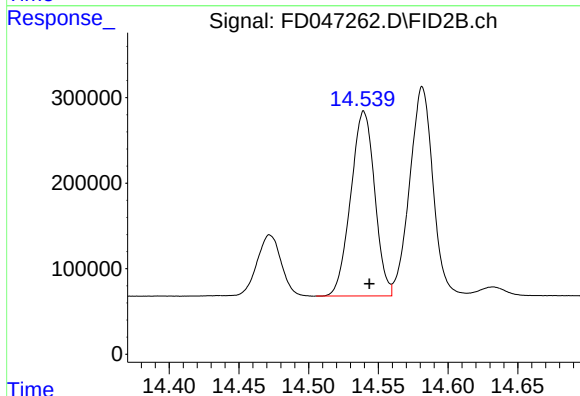
#13 Pyrene (C20.8)

R.T.: 12.676 min
Delta R.T.: -0.004 min
Response: 2906844
Conc: 19.32 ug/ml

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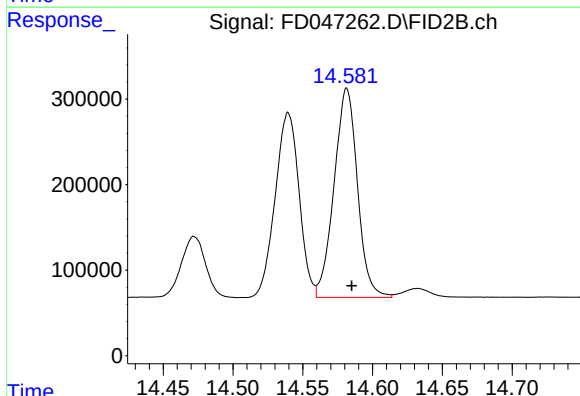
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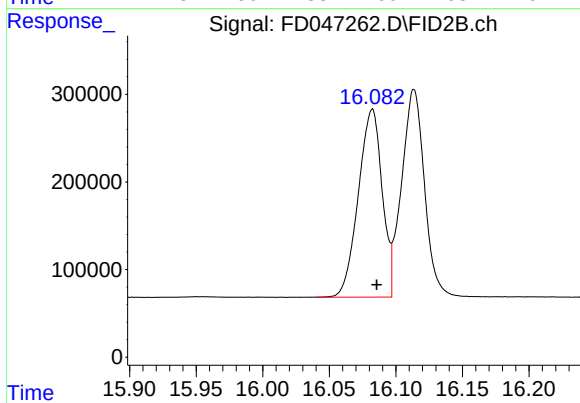
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.540 min
Delta R.T.: -0.004 min
Response: 2582255
Conc: 19.21 ug/ml



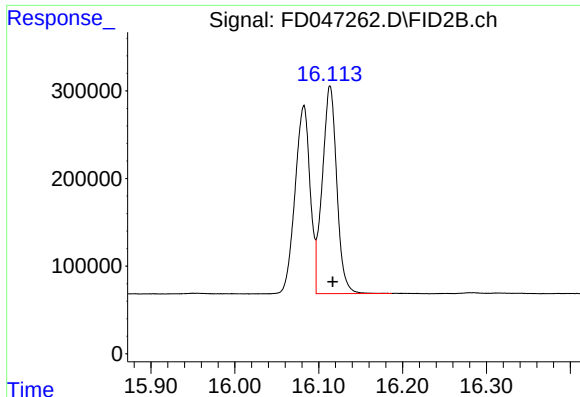
#15 Chrysene (C27.41)

R.T.: 14.582 min
Delta R.T.: -0.004 min
Response: 2852524
Conc: 19.48 ug/ml



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

R.T.: 16.082 min
Delta R.T.: -0.004 min
Response: 2672263
Conc: 19.41 ug/ml



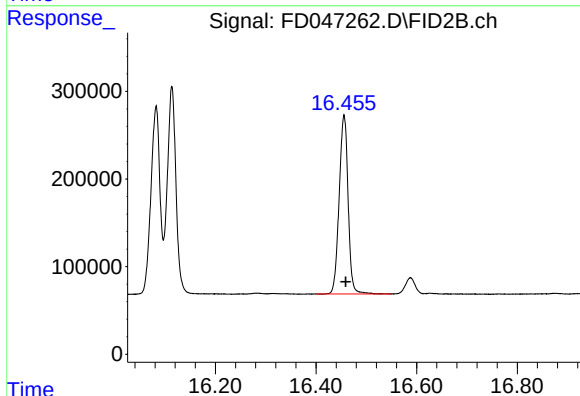
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.114 min
Delta R.T.: -0.003 min
Response: 2838588
Conc: 20.46 ug/ml

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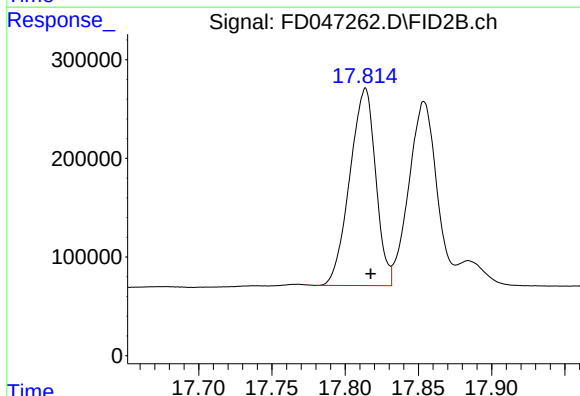
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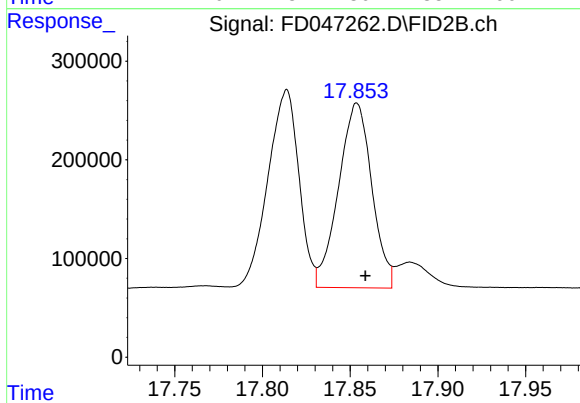
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.456 min
Delta R.T.: -0.004 min
Response: 2518161
Conc: 18.60 ug/ml



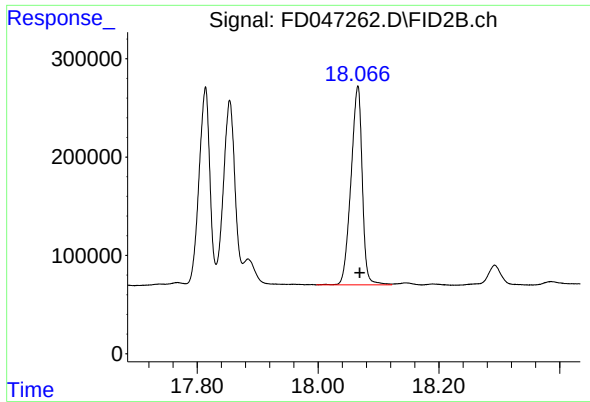
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.813 min
Delta R.T.: -0.004 min
Response: 2458451
Conc: 19.47 ug/ml



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

R.T.: 17.853 min
Delta R.T.: -0.005 min
Response: 2465889
Conc: 18.51 ug/ml m



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

R.T.: 18.065 min
Delta R.T.: -0.003 min
Response: 2618309
Conc: 19.75 ug/ml

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