

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD060524AR\
 Data File : FD047870.D
 Signal(s) : FID2B.ch
 Acq On : 05 Jun 2024 19:40
 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 06/06/2024
 Supervised By :Ankita Jodhani 06/06/2024

Integration File: autoint1.e
 Quant Time: Jun 06 03:50:48 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...	7.431	2811293	20.025 ug/ml
Spiked Amount 50.000		Recovery =	40.05%
6) S 2-Fluorobiphenyl (SURR)	8.284	1847575	19.950 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	39.90%
11) S ortho-Terphenyl (SURR)	11.323	3204487	20.042 ug/ml
Spiked Amount 50.000		Recovery =	40.08%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.248	3153261	19.965 ug/ml
2) T Naphthalene (C11.7)	5.771	3281654	20.105 ug/ml
3) T 2-Methylnaphthalene (...)	6.819	3298591	20.018 ug/ml
5) T Acenaphthylene (C15.06)	8.086	3229003	19.756 ug/ml
7) T Acenaphthene (C15.5)	8.380	3269303	20.023 ug/ml
8) T Flouorene (C16.55)	9.160	3114690	19.799 ug/ml
9) T Phenanthrene (C19.36)	10.549	3049487	19.775 ug/ml
10) T Anthracene (C19.43)	10.624	2588464	17.218 ug/ml
12) T Fluoranthene (C21.85)	12.355	3047561	20.082 ug/ml
13) T Pyrene (C20.8)	12.649	3014191	19.994 ug/ml
14) T Benzo[a]anthracene (C...	14.518	2717273	19.822 ug/mlm
15) T Chrysene (C27.41)	14.559	2975524	20.198 ug/ml
16) T benzo[b]fluoranthene ...	16.065	2790425	19.827 ug/mlm
17) T Bnezo[k]fluoranthene ...	16.096	2733599	20.074 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.441	2679353	19.357 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.804	2083205	18.071 ug/mlm
20) T Dibenz[a,h]anthracene...	17.845	2644704	19.834 ug/ml
21) T Benzo[g,h,i]perylene ...	18.055	2554920	19.212 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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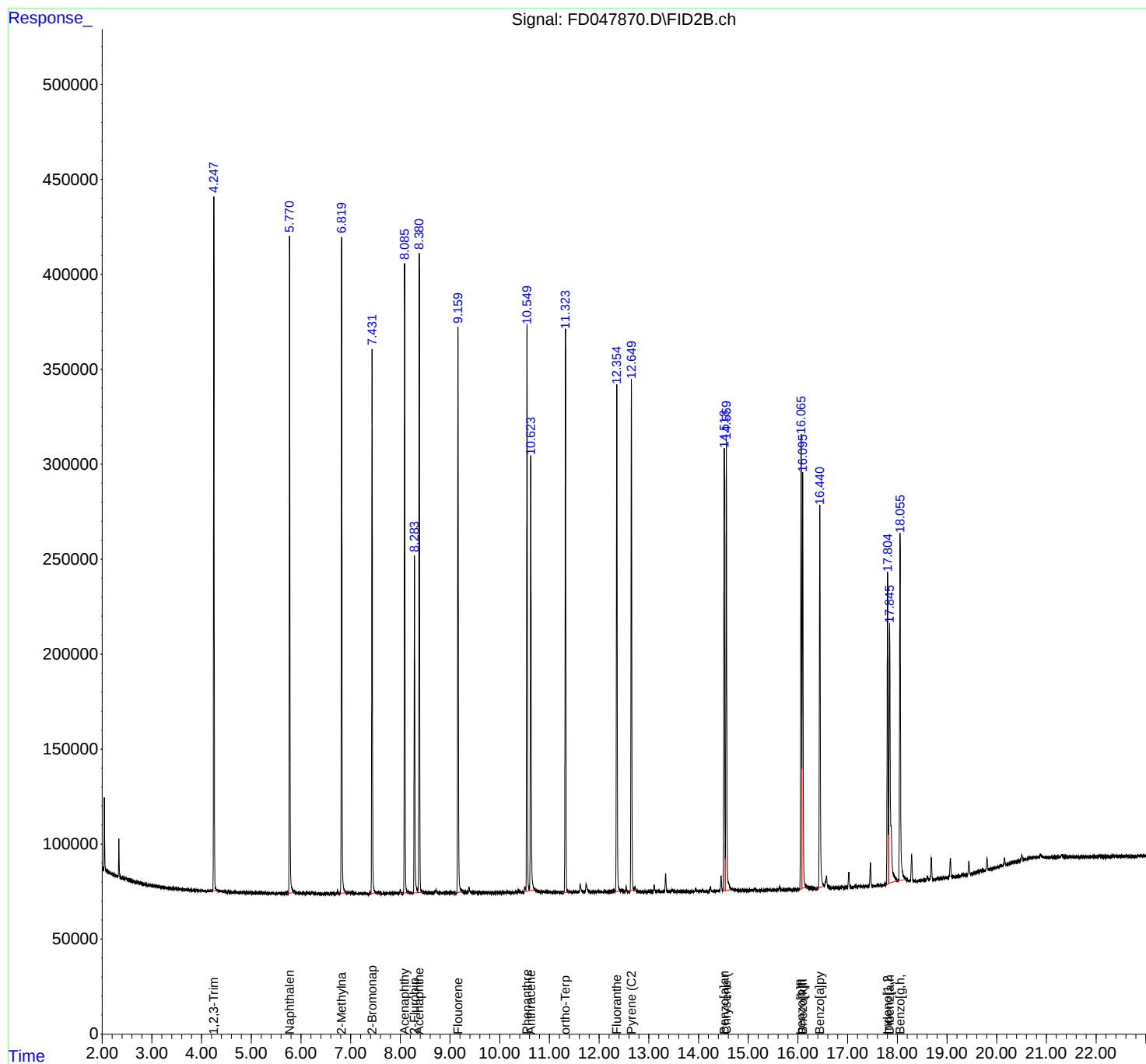
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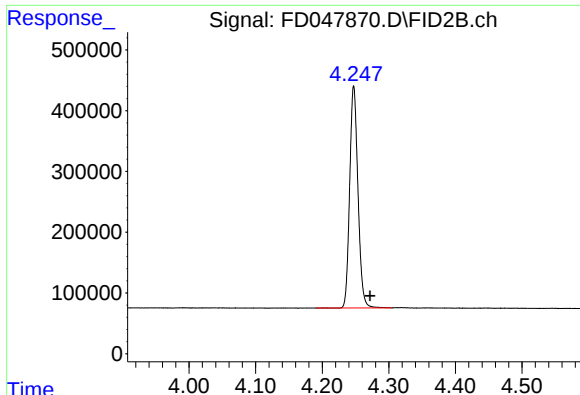
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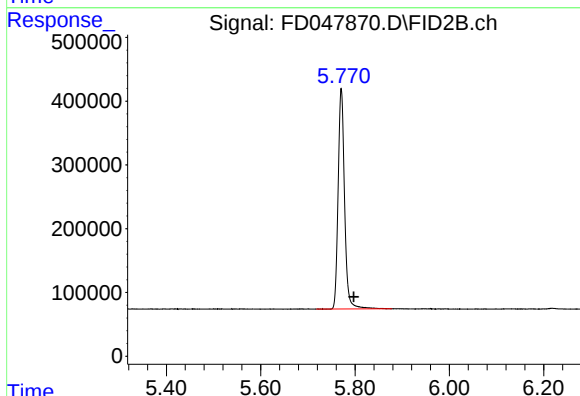
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.248 min
Delta R.T.: -0.024 min
Response: 3153261
Conc: 19.97 ug/ml

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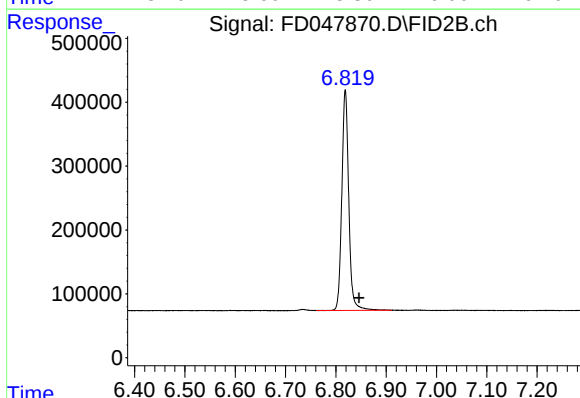
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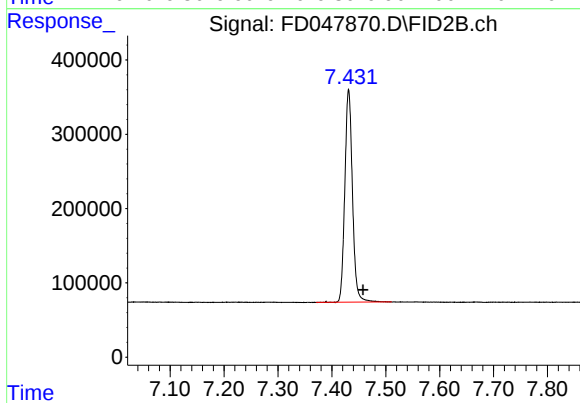
#2 Naphthalene (C11.7)

R.T.: 5.771 min
Delta R.T.: -0.026 min
Response: 3281654
Conc: 20.10 ug/ml



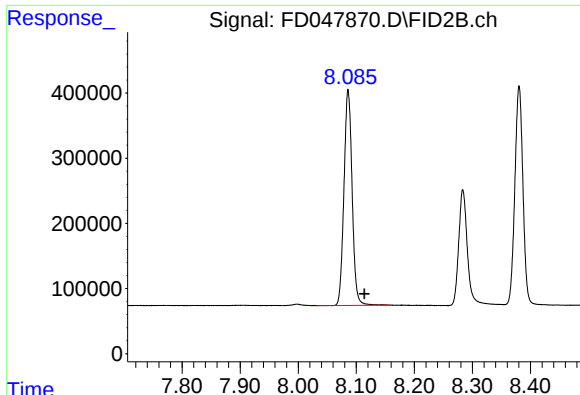
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.819 min
Delta R.T.: -0.027 min
Response: 3298591
Conc: 20.02 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.431 min
Delta R.T.: -0.027 min
Response: 2811293
Conc: 20.02 ug/ml



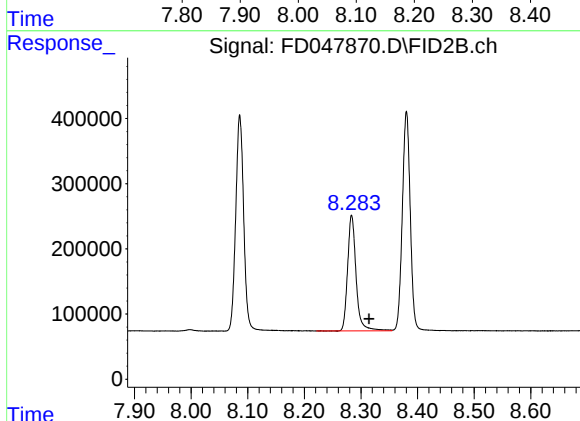
#5 Acenaphthylene (C15.06)

R.T.: 8.086 min
Delta R.T.: -0.028 min
Response: 3229003
Conc: 19.76 ug/ml

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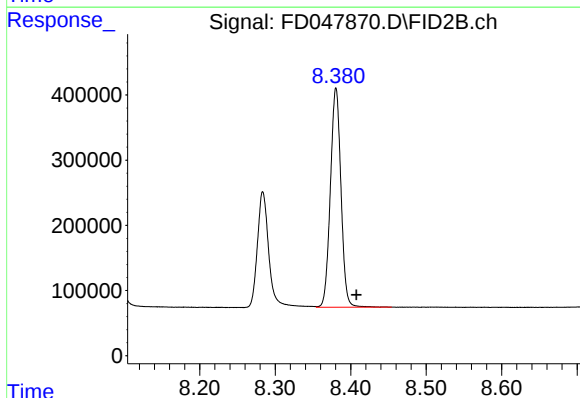
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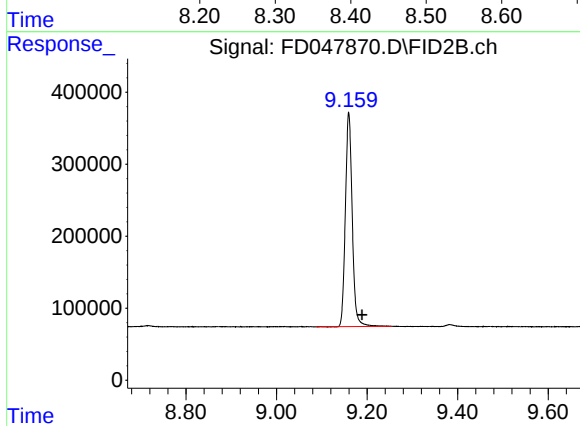
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.284 min
Delta R.T.: -0.030 min
Response: 1847575
Conc: 19.95 ug/ml



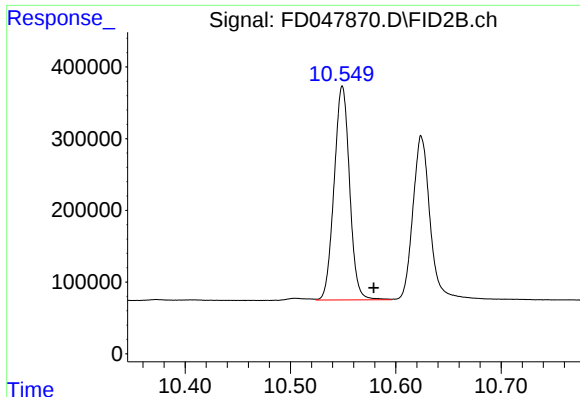
#7 Acenaphthene (C15.5)

R.T.: 8.380 min
Delta R.T.: -0.027 min
Response: 3269303
Conc: 20.02 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.160 min
Delta R.T.: -0.029 min
Response: 3114690
Conc: 19.80 ug/ml



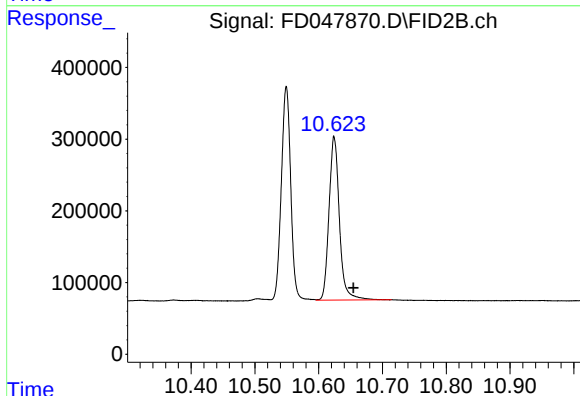
#9 Phenanthrene (C19.36)

R.T.: 10.549 min
Delta R.T.: -0.030 min
Response: 3049487
Conc: 19.78 ug/ml

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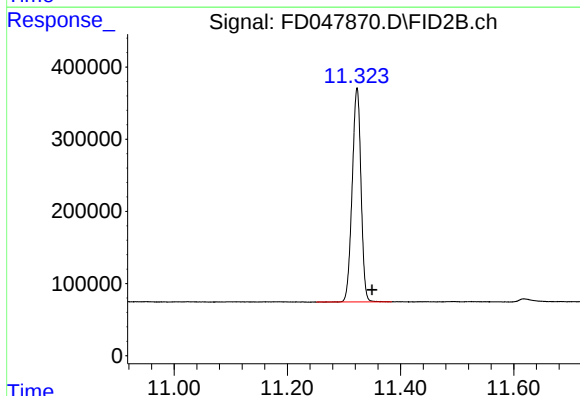
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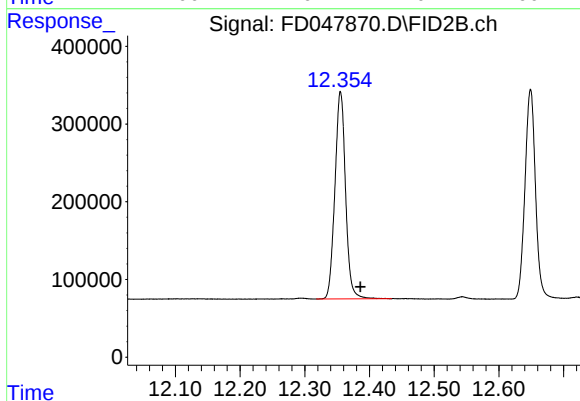
#10 Anthracene (C19.43)

R.T.: 10.624 min
Delta R.T.: -0.030 min
Response: 2588464
Conc: 17.22 ug/ml



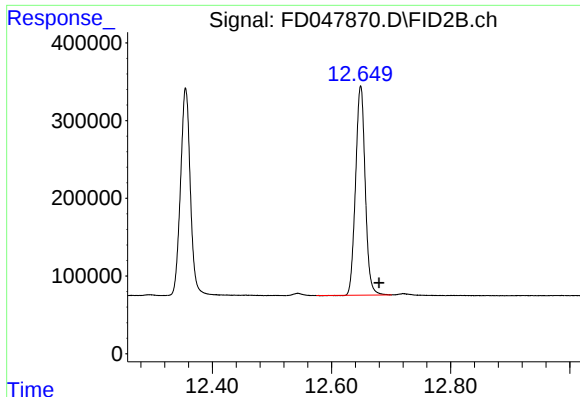
#11 ortho-Terphenyl (SURR)

R.T.: 11.323 min
Delta R.T.: -0.027 min
Response: 3204487
Conc: 20.04 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.355 min
Delta R.T.: -0.031 min
Response: 3047561
Conc: 20.08 ug/ml



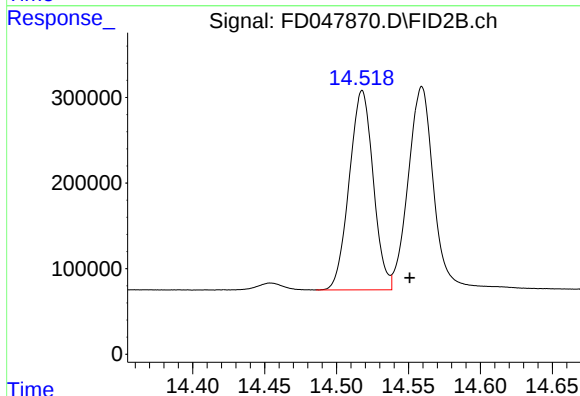
#13 Pyrene (C20.8)

R.T.: 12.649 min
Delta R.T.: -0.031 min
Response: 3014191
Conc: 19.99 ug/ml

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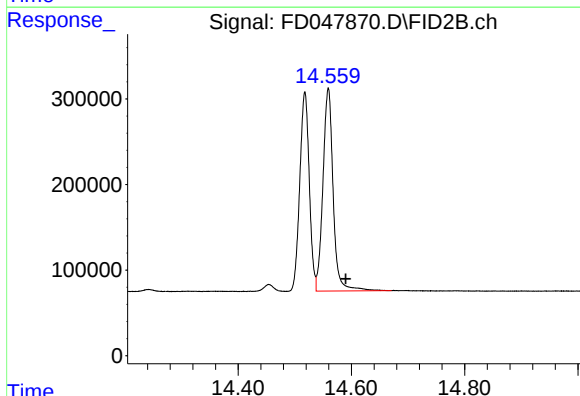
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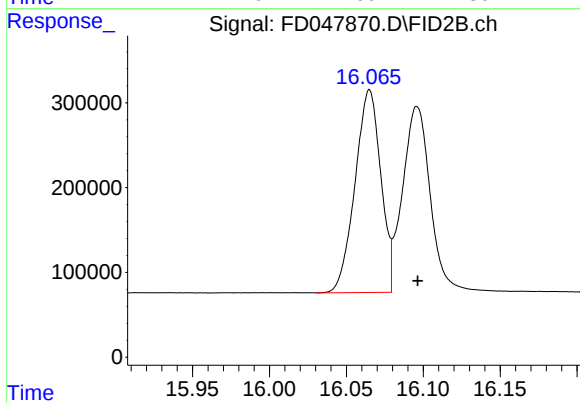
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.518 min
Delta R.T.: -0.033 min
Response: 2717273
Conc: 19.82 ug/ml m



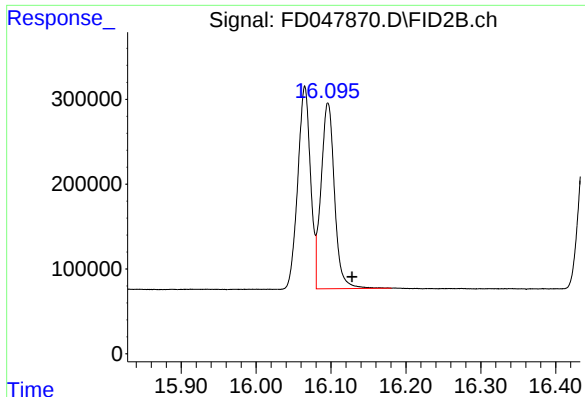
#15 Chrysene (C27.41)

R.T.: 14.559 min
Delta R.T.: -0.031 min
Response: 2975524
Conc: 20.20 ug/ml



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

R.T.: 16.065 min
Delta R.T.: -0.032 min
Response: 2790425
Conc: 19.83 ug/ml m



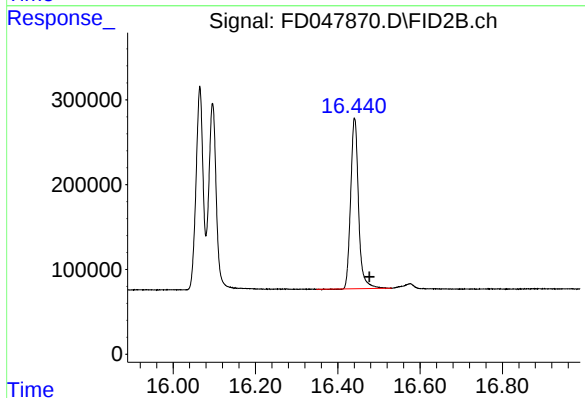
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.096 min
Delta R.T.: -0.032 min
Response: 2733599
Conc: 20.07 ug/ml

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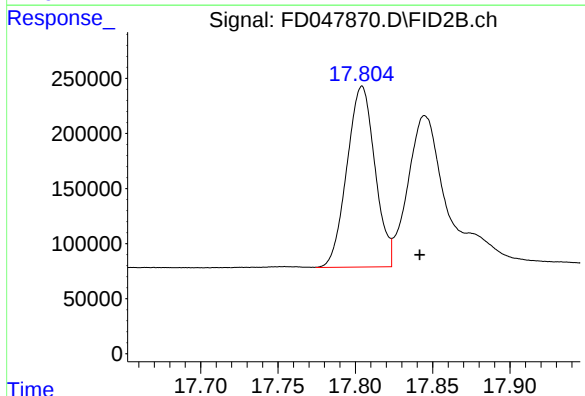
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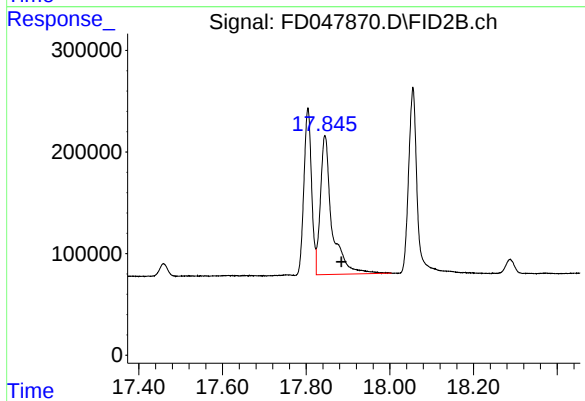
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.441 min
Delta R.T.: -0.036 min
Response: 2679353
Conc: 19.36 ug/ml



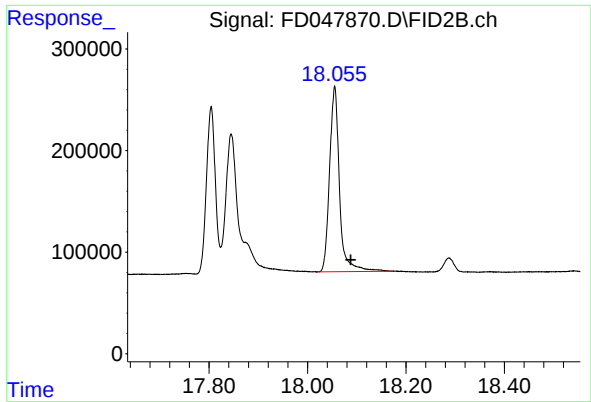
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.804 min
Delta R.T.: -0.037 min
Response: 2083205
Conc: 18.07 ug/ml m



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

R.T.: 17.845 min
Delta R.T.: -0.040 min
Response: 2644704
Conc: 19.83 ug/ml



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

R.T.: 18.055 min
Delta R.T.: -0.033 min
Response: 2554920
Conc: 19.21 ug/ml

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