

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD073124AR\
 Data File : FD048100.D
 Signal(s) : FID2B.ch
 Acq On : 31 Jul 2024 17:50
 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 08/01/2024
 Supervised By :Ankita Jodhani 08/01/2024

Integration File: autoint1.e
 Quant Time: Aug 01 04:50:07 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 071524.M
 Quant Title : GC Extractables
 QLast Update : Mon Jul 15 13:13:15 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...	7.404	2919685	19.645 ug/ml
Spiked Amount 50.000		Recovery =	39.29%
6) S 2-Fluorobiphenyl (SURR)	8.256	1945359	20.555 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	41.11%
11) S ortho-Terphenyl (SURR)	11.294	3342015	19.974 ug/ml
Spiked Amount 50.000		Recovery =	39.95%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.225	3287755	19.634 ug/ml
2) T Naphthalene (C11.7)	5.745	3427895	19.836 ug/ml
3) T 2-Methylnaphthalene (...)	6.792	3426747	19.754 ug/ml
5) T Acenaphthylene (C15.06)	8.058	3340472	19.493 ug/ml
7) T Acenaphthene (C15.5)	8.353	3394700	19.569 ug/ml
8) T Fluorene (C16.55)	9.132	3309697	20.377 ug/ml
9) T Phenanthrene (C19.36)	10.520	3230228	20.340 ug/ml
10) T Anthracene (C19.43)	10.594	2565794	16.250 ug/ml
12) T Fluoranthene (C21.85)	12.325	3247076	20.508 ug/ml
13) T Pyrene (C20.8)	12.618	3224577	20.392 ug/ml
14) T Benzo[a]anthracene (C...	14.488	2938177	21.521 ug/ml
15) T Chrysene (C27.41)	14.530	3087951	19.156 ug/ml
16) T benzo[b]fluoranthene ...	16.035	3108683	21.598 ug/ml
17) T Bnezo[k]fluoranthene ...	16.066	3041681	20.365 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.411	2987299	21.091 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.774	2774734	24.602 ug/ml
20) T Dibenz[a,h]anthracene...	17.815	2949544	20.295 ug/mlm
21) T Benzo[g,h,i]perylene ...	18.026	3068589	20.822 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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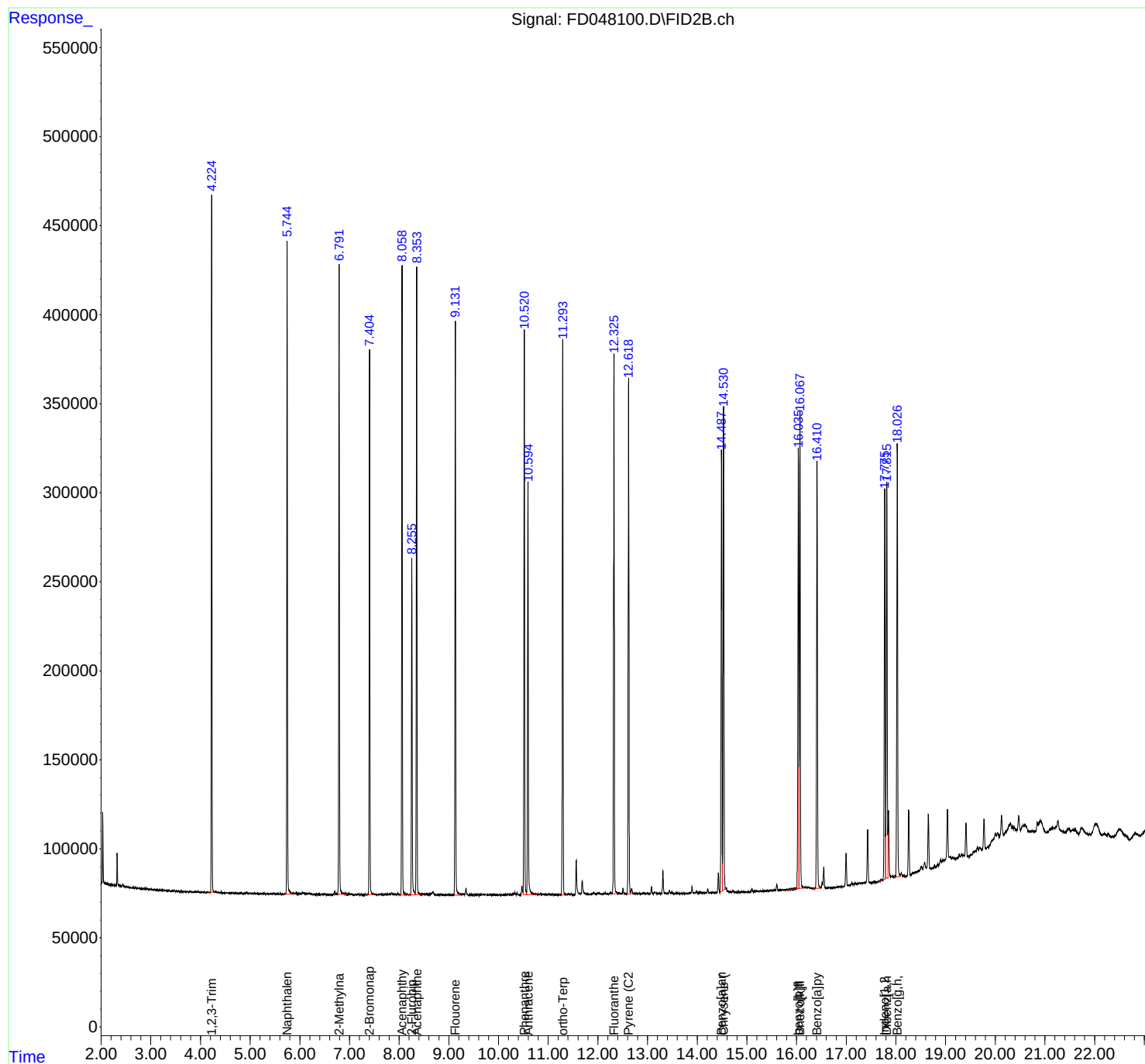
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20 PPM AROMATIC HC STD

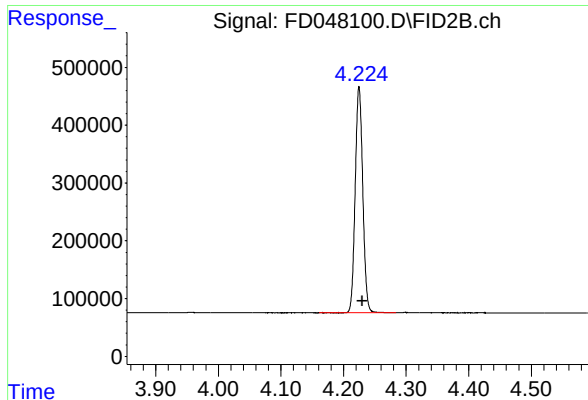
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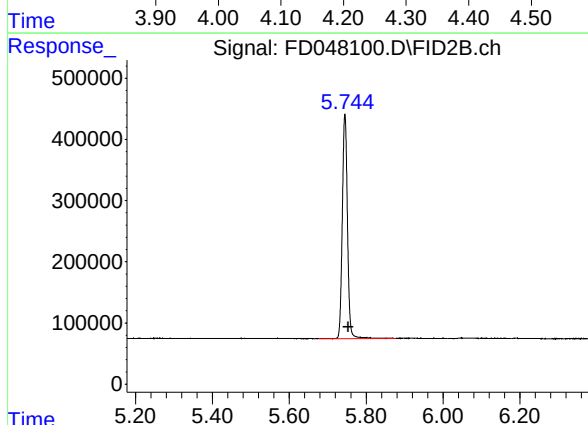
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.225 min
Delta R.T.: -0.005 min
Response: 3287755
Conc: 19.63 ug/ml

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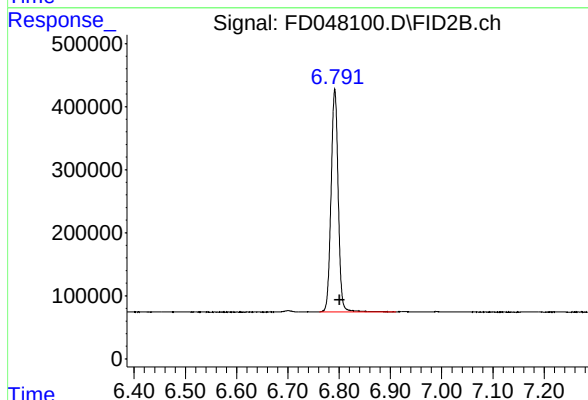
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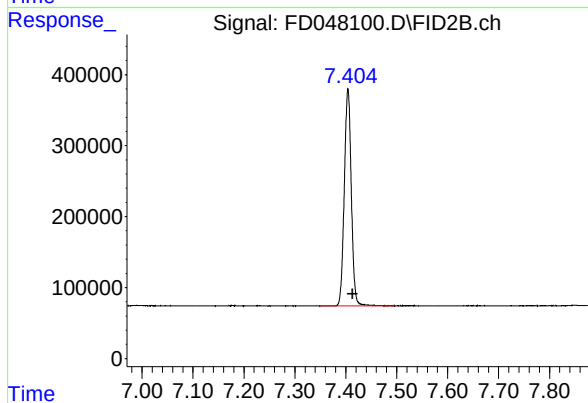
#2 Naphthalene (C11.7)

R.T.: 5.745 min
Delta R.T.: -0.008 min
Response: 3427895
Conc: 19.84 ug/ml



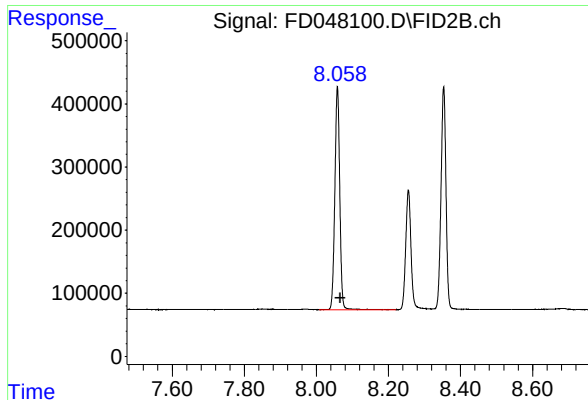
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.792 min
Delta R.T.: -0.009 min
Response: 3426747
Conc: 19.75 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.404 min
Delta R.T.: -0.009 min
Response: 2919685
Conc: 19.64 ug/ml



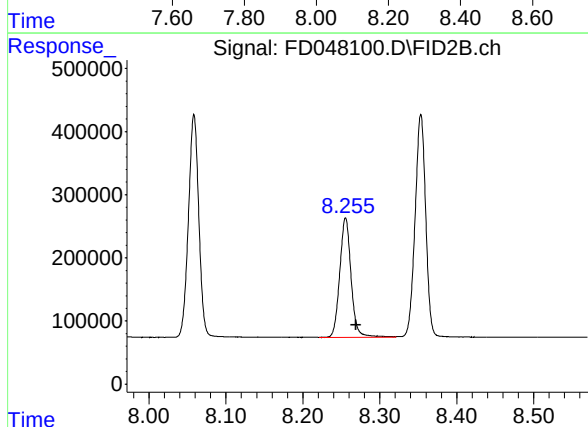
#5 Acenaphthylene (C15.06)

R.T.: 8.058 min
Delta R.T.: -0.008 min
Response: 3340472
Conc: 19.49 ug/ml

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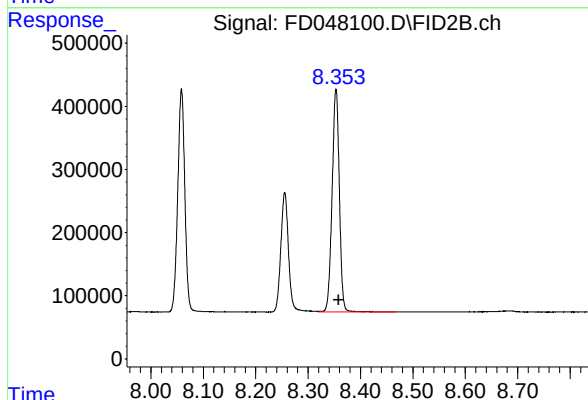
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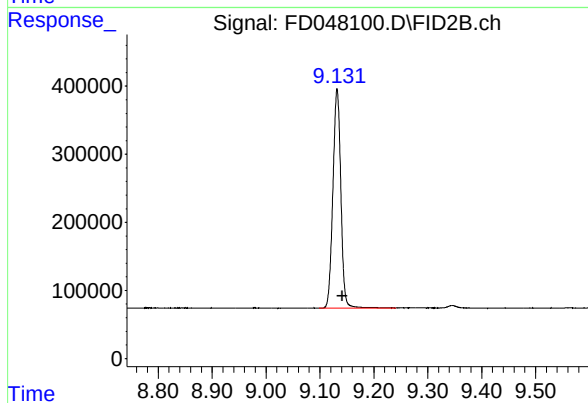
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.256 min
Delta R.T.: -0.013 min
Response: 1945359
Conc: 20.56 ug/ml



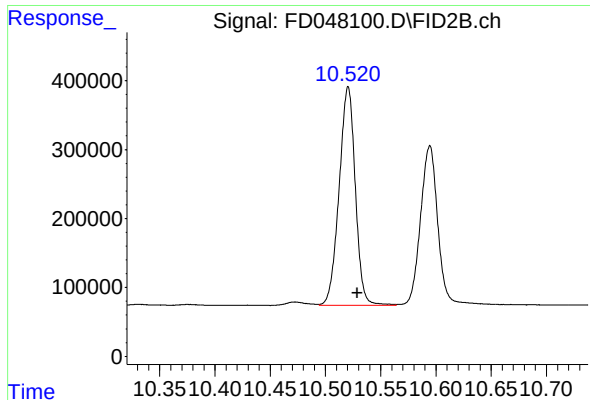
#7 Acenaphthene (C15.5)

R.T.: 8.353 min
Delta R.T.: -0.005 min
Response: 3394700
Conc: 19.57 ug/ml



#8 Fluorene (C16.55)

R.T.: 9.132 min
Delta R.T.: -0.010 min
Response: 3309697
Conc: 20.38 ug/ml



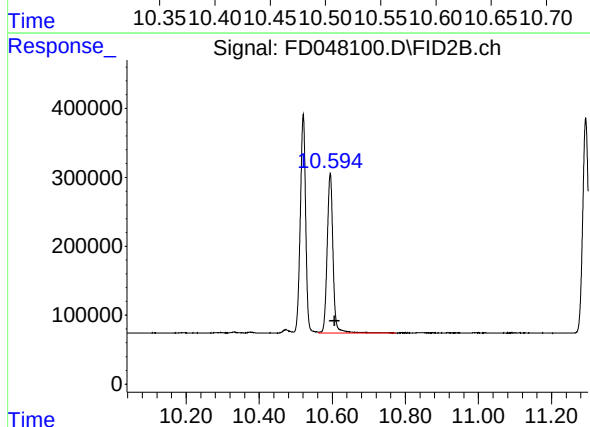
#9 Phenanthrene (C19.36)

R.T.: 10.520 min
Delta R.T.: -0.008 min
Response: 3230228
Conc: 20.34 ug/ml

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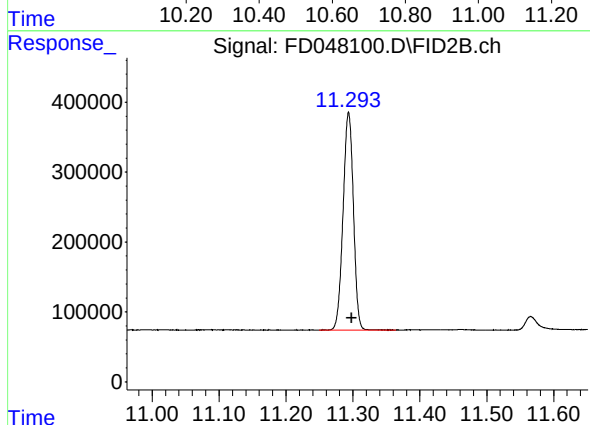
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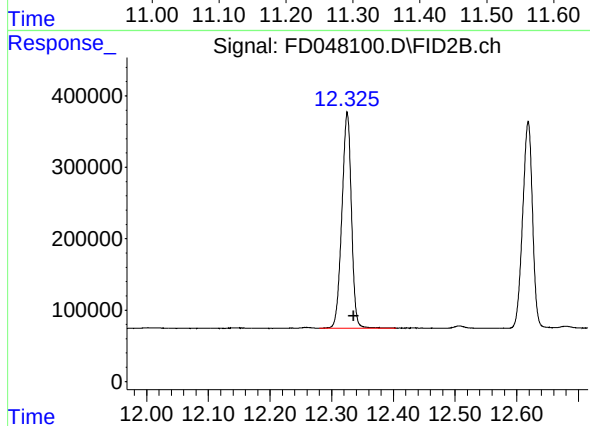
#10 Anthracene (C19.43)

R.T.: 10.594 min
Delta R.T.: -0.013 min
Response: 2565794
Conc: 16.25 ug/ml



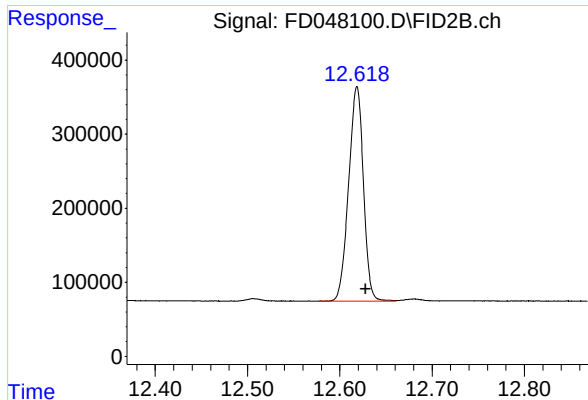
#11 ortho-Terphenyl (SURR)

R.T.: 11.294 min
Delta R.T.: -0.005 min
Response: 3342015
Conc: 19.97 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.325 min
Delta R.T.: -0.011 min
Response: 3247076
Conc: 20.51 ug/ml



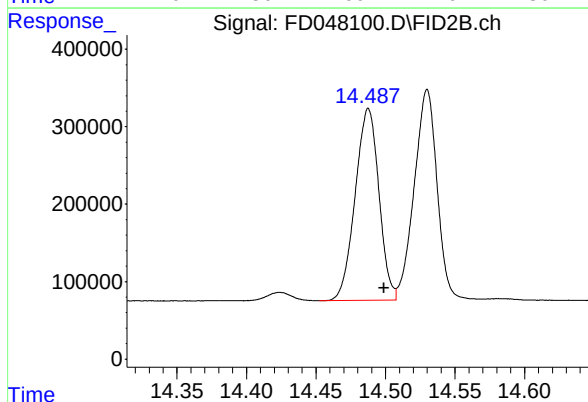
#13 Pyrene (C20.8)

R.T.: 12.618 min
Delta R.T.: -0.009 min
Response: 3224577
Conc: 20.39 ug/ml

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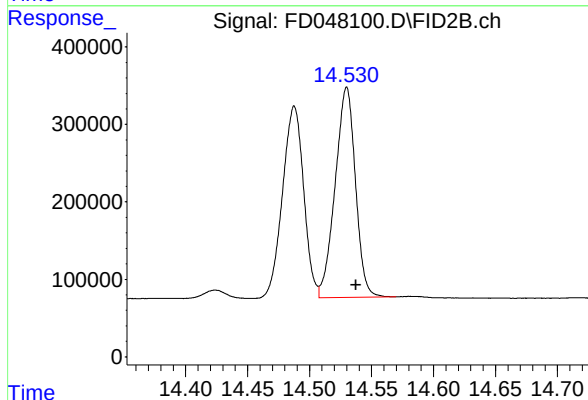
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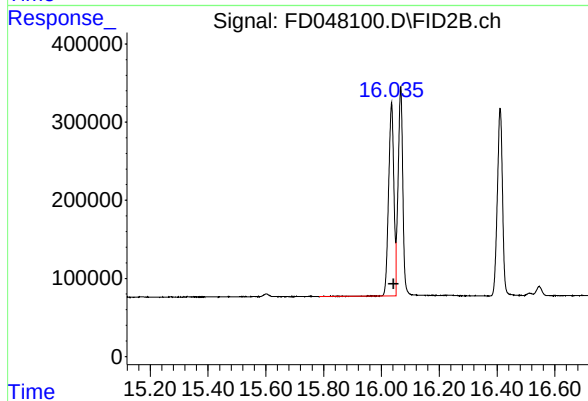
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.488 min
Delta R.T.: -0.011 min
Response: 2938177
Conc: 21.52 ug/ml



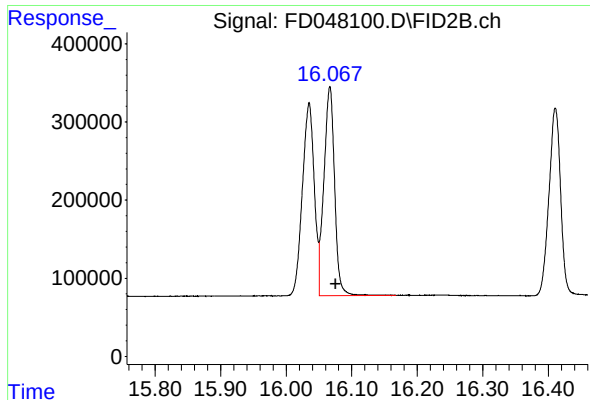
#15 Chrysene (C27.41)

R.T.: 14.530 min
Delta R.T.: -0.008 min
Response: 3087951
Conc: 19.16 ug/ml



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

R.T.: 16.035 min
Delta R.T.: -0.008 min
Response: 3108683
Conc: 21.60 ug/ml



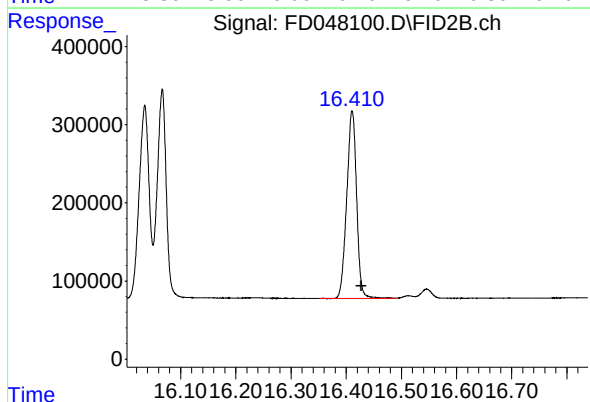
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.066 min
Delta R.T.: -0.009 min
Response: 3041681
Conc: 20.37 ug/ml

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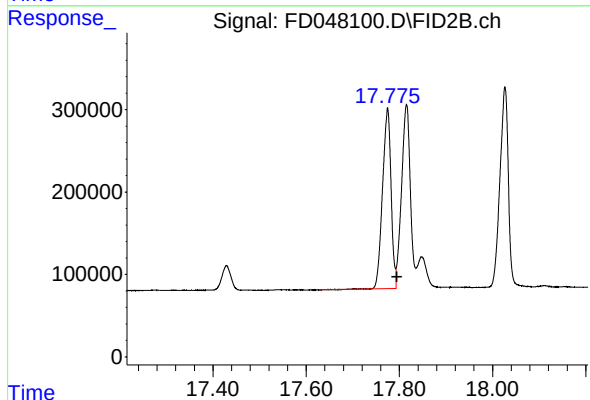
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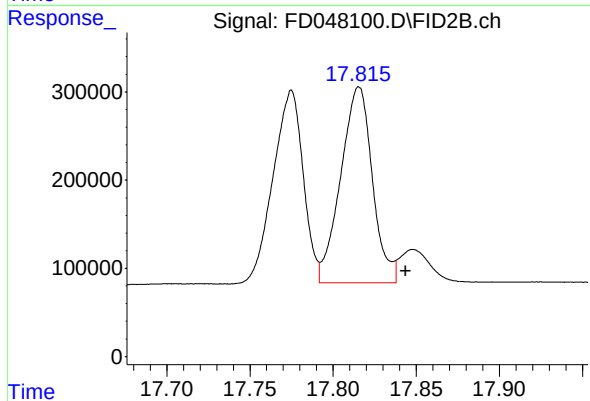
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.411 min
Delta R.T.: -0.017 min
Response: 2987299
Conc: 21.09 ug/ml



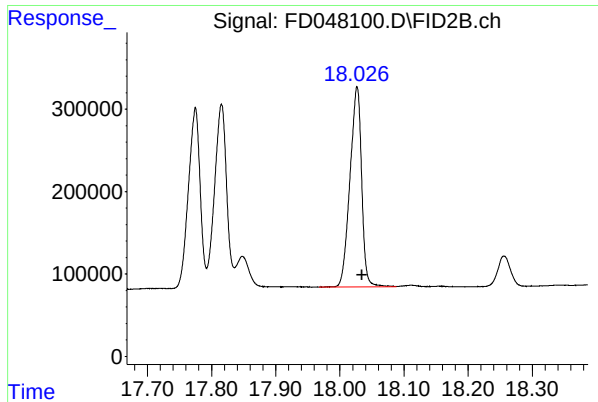
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.774 min
Delta R.T.: -0.020 min
Response: 2774734
Conc: 24.60 ug/ml



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

R.T.: 17.815 min
Delta R.T.: -0.029 min
Response: 2949544
Conc: 20.29 ug/ml m



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

R.T.: 18.026 min
Delta R.T.: -0.008 min
Response: 3068589
Conc: 20.82 ug/ml

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