

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD071724AR\
 Data File : FD048066.D
 Signal(s) : FID2B.ch
 Acq On : 18 Jul 2024 10:35
 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 07/18/2024
 Supervised By :Ankita Jodhani 07/19/2024

Integration File: autoint1.e
 Quant Time: Jul 18 15:33:04 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...	7.407	2868583	19.301 ug/ml
Spiked Amount 50.000		Recovery =	38.60%
6) S 2-Fluorobiphenyl (SURR)	8.258	1887045	19.939 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	39.88%
11) S ortho-Terphenyl (SURR)	11.296	3210367	19.187 ug/ml
Spiked Amount 50.000		Recovery =	38.37%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.226	3219825	19.228 ug/ml
2) T Naphthalene (C11.7)	5.747	3369883	19.500 ug/ml
3) T 2-Methylnaphthalene (...)	6.794	3379452	19.481 ug/ml
5) T Acenaphthylene (C15.06)	8.061	3291548	19.207 ug/ml
7) T Acenaphthene (C15.5)	8.355	3325508	19.170 ug/ml
8) T Flouorene (C16.55)	9.134	3197182	19.685 ug/ml
9) T Phenanthrene (C19.36)	10.523	3112403	19.598 ug/ml
10) T Anthracene (C19.43)	10.597	2723768	17.250 ug/ml
12) T Fluoranthene (C21.85)	12.327	3115372	19.676 ug/ml
13) T Pyrene (C20.8)	12.621	3068211	19.403 ug/ml
14) T Benzo[a]anthracene (C...	14.490	2779273	20.357 ug/ml
15) T Chrysene (C27.41)	14.531	3042643	18.875 ug/ml
16) T benzo[b]fluoranthene ...	16.036	2881980	20.023 ug/ml
17) T Bnezo[k]fluoranthene ...	16.067	2836511	18.991 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.411	2814242	19.870 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.774	2449937	21.722 ug/mlm
20) T Dibenz[a,h]anthracene...	17.815	3090927	21.268 ug/ml
21) T Benzo[g,h,i]perylene ...	18.024	2848286	19.327 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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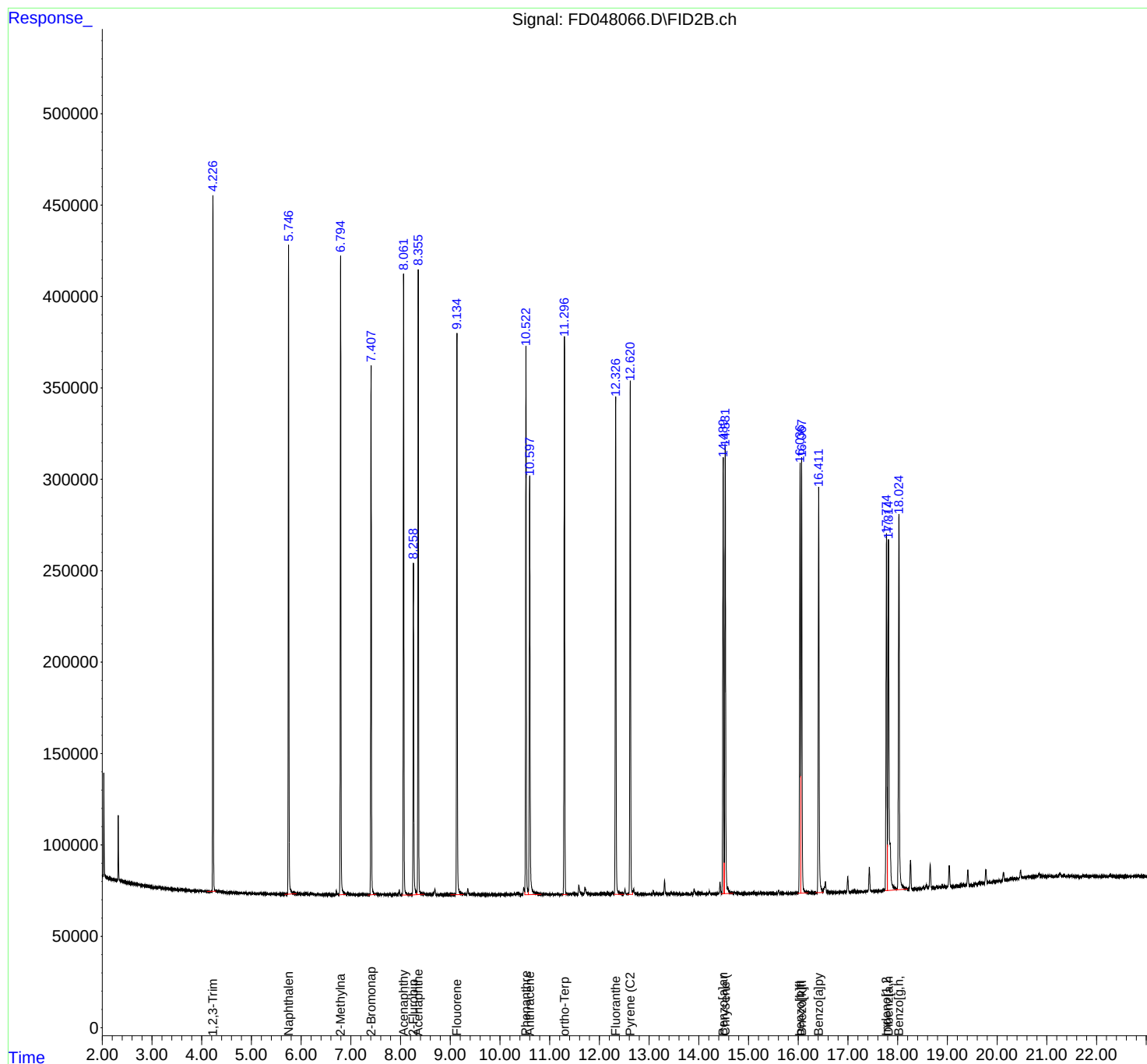
Instrument :
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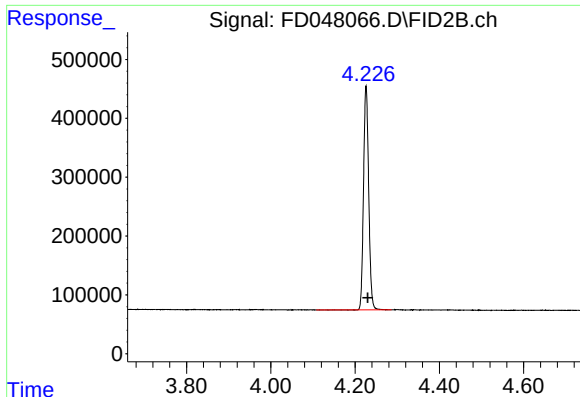
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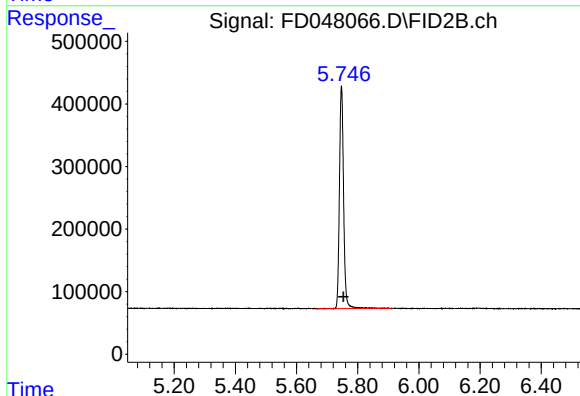
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.226 min
Delta R.T.: -0.004 min
Response: 3219825
Conc: 19.23 ug/ml

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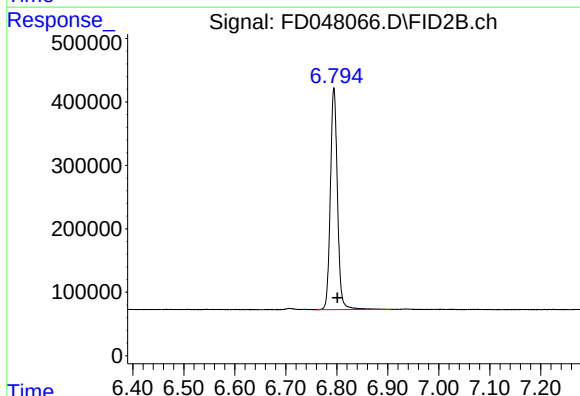
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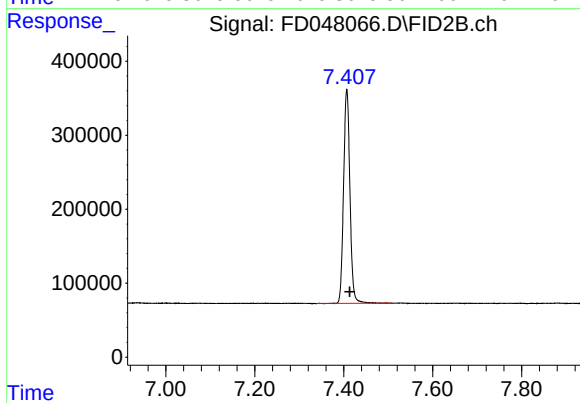
#2 Naphthalene (C11.7)

R.T.: 5.747 min
Delta R.T.: -0.006 min
Response: 3369883
Conc: 19.50 ug/ml



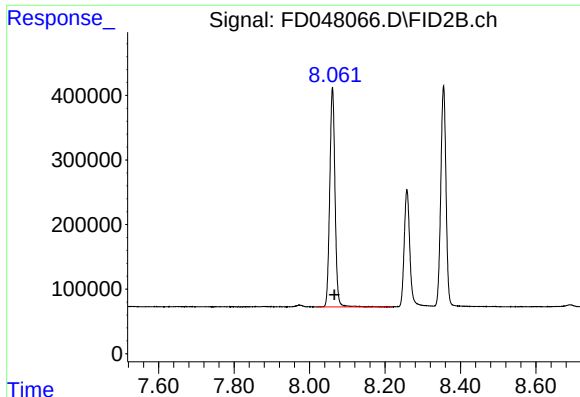
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.794 min
Delta R.T.: -0.006 min
Response: 3379452
Conc: 19.48 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.407 min
Delta R.T.: -0.006 min
Response: 2868583
Conc: 19.30 ug/ml



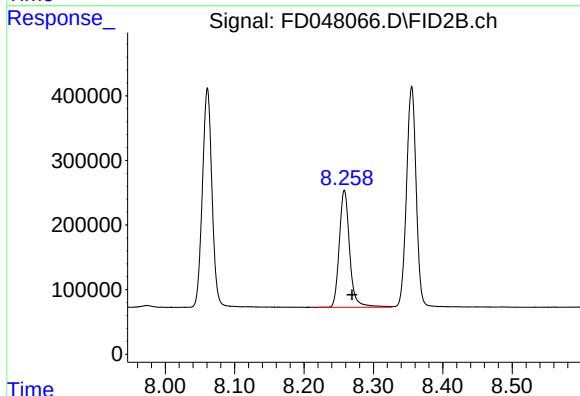
#5 Acenaphthylene (C15.06)

R.T.: 8.061 min
Delta R.T.: -0.006 min
Response: 3291548
Conc: 19.21 ug/ml

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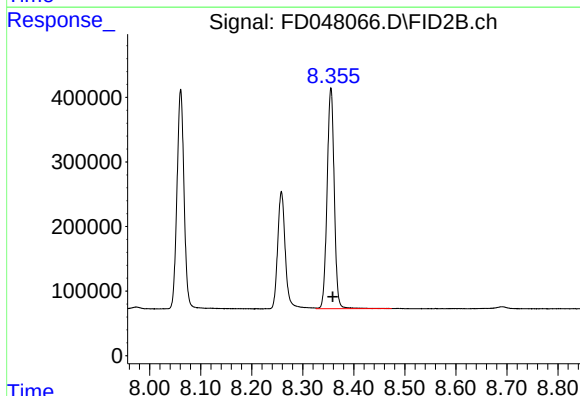
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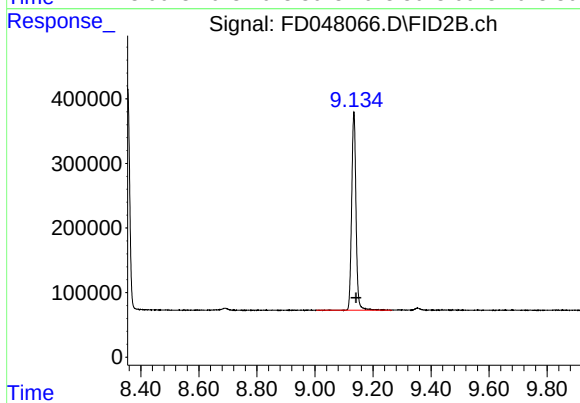
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.258 min
Delta R.T.: -0.011 min
Response: 1887045
Conc: 19.94 ug/ml



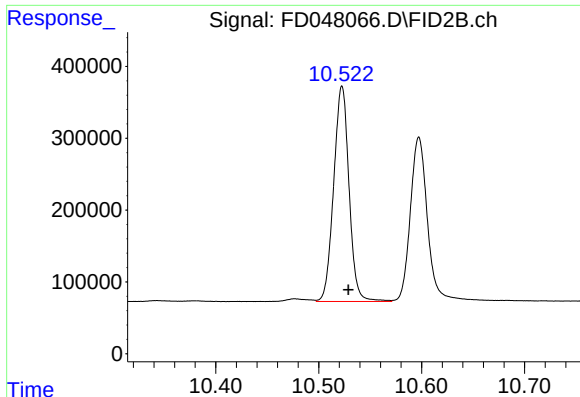
#7 Acenaphthene (C15.5)

R.T.: 8.355 min
Delta R.T.: -0.004 min
Response: 3325508
Conc: 19.17 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.134 min
Delta R.T.: -0.008 min
Response: 3197182
Conc: 19.68 ug/ml



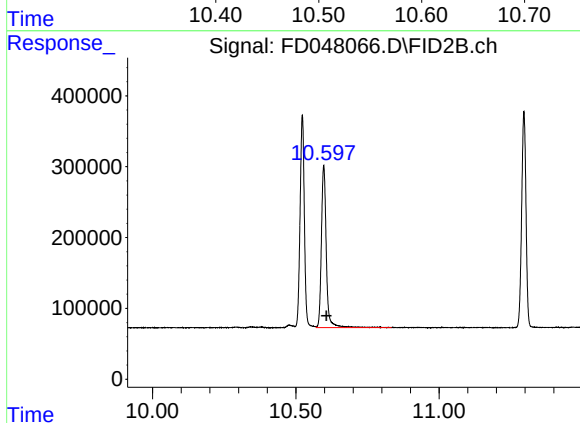
#9 Phenanthrene (C19.36)

R.T.: 10.523 min
Delta R.T.: -0.006 min
Response: 3112403
Conc: 19.60 ug/ml

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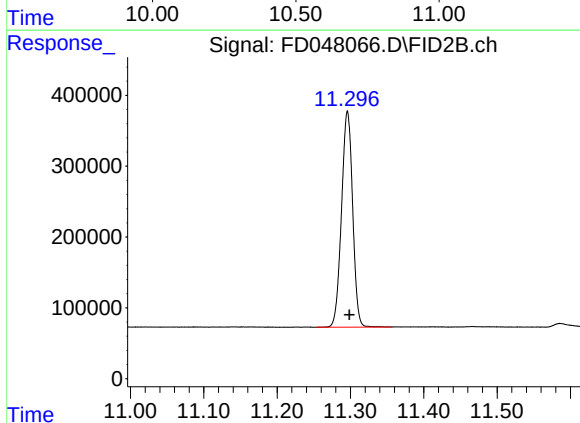
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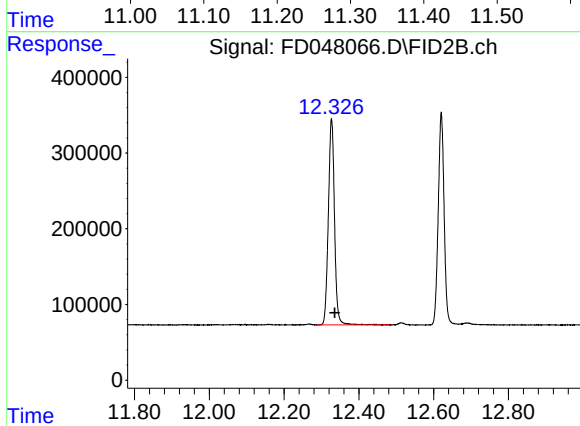
#10 Anthracene (C19.43)

R.T.: 10.597 min
Delta R.T.: -0.010 min
Response: 2723768
Conc: 17.25 ug/ml



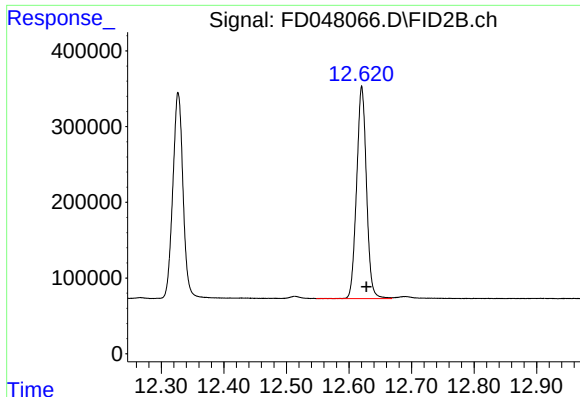
#11 ortho-Terphenyl (SURR)

R.T.: 11.296 min
Delta R.T.: -0.002 min
Response: 3210367
Conc: 19.19 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.327 min
Delta R.T.: -0.009 min
Response: 3115372
Conc: 19.68 ug/ml



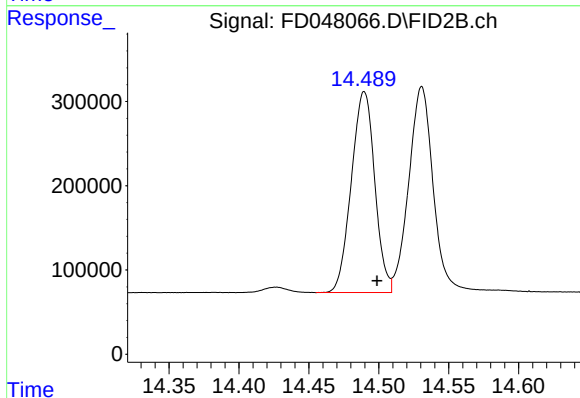
#13 Pyrene (C20.8)

R.T.: 12.621 min
Delta R.T.: -0.007 min
Response: 3068211
Conc: 19.40 ug/ml

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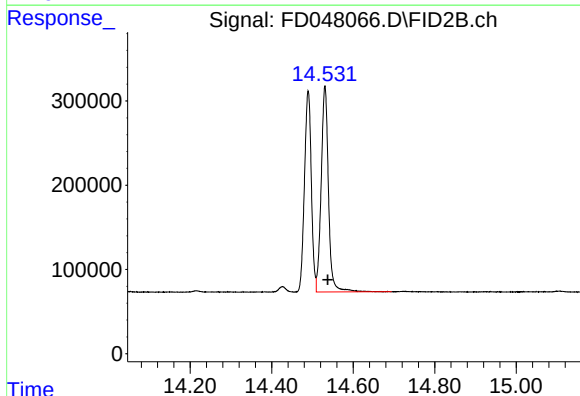
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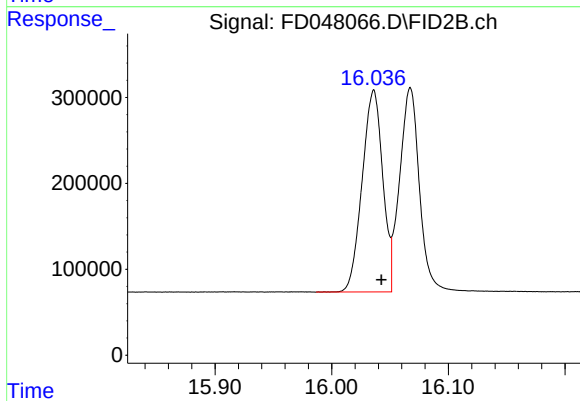
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.490 min
Delta R.T.: -0.009 min
Response: 2779273
Conc: 20.36 ug/ml



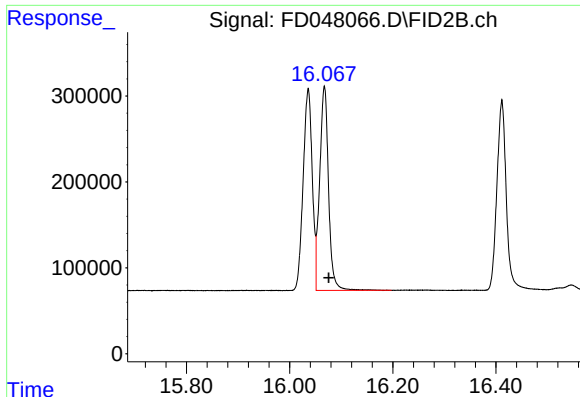
#15 Chrysene (C27.41)

R.T.: 14.531 min
Delta R.T.: -0.007 min
Response: 3042643
Conc: 18.87 ug/ml



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

R.T.: 16.036 min
Delta R.T.: -0.007 min
Response: 2881980
Conc: 20.02 ug/ml



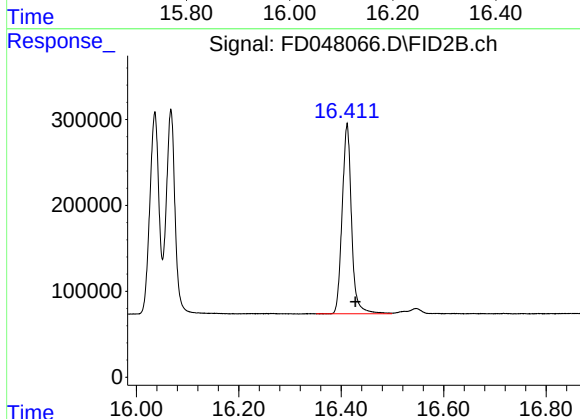
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.067 min
Delta R.T.: -0.009 min
Response: 2836511
Conc: 18.99 ug/ml

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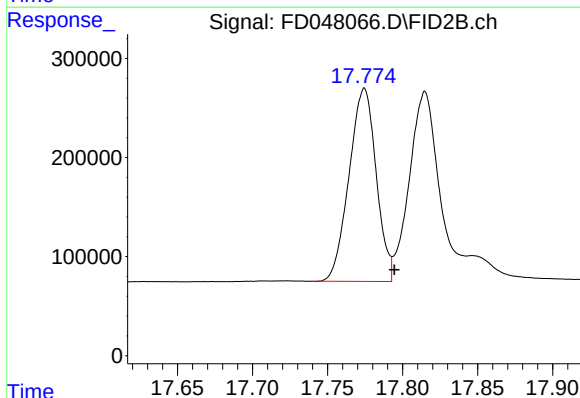
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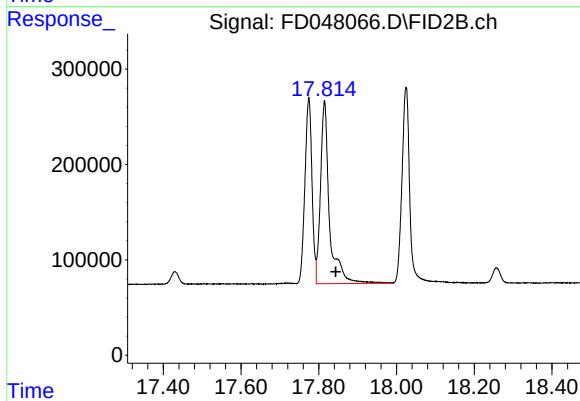
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.411 min
Delta R.T.: -0.016 min
Response: 2814242
Conc: 19.87 ug/ml



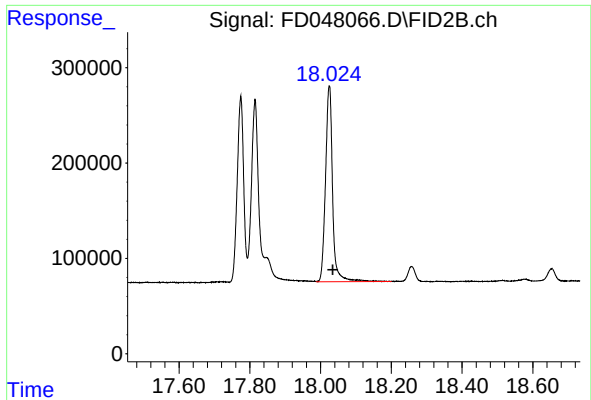
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.774 min
Delta R.T.: -0.020 min
Response: 2449937
Conc: 21.72 ug/ml m



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

R.T.: 17.815 min
Delta R.T.: -0.029 min
Response: 3090927
Conc: 21.27 ug/ml



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

R.T.: 18.024 min
Delta R.T.: -0.010 min
Response: 2848286
Conc: 19.33 ug/ml

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