

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF120525AR\
 Data File : FF016845.D
 Signal(s) : FID2B.ch
 Acq On : 05 Dec 2025 10:46
 Operator : YP\AJ
 Sample : 20 PPM AROMATIC HC STD
 Misc :
 ALS Vial : 61 Sample Multiplier: 1

Instrument :
 FID_F
 ClientSampleId :
 20 PPM AROMATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 12/08/2025
 Supervised By :Yogesh Patel 12/08/2025

Integration File: autoint1.e
 Quant Time: Dec 08 00:54:32 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 112625.M
 Quant Title : GC Extractables
 QLast Update : Mon Dec 01 08:18:58 2025
 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...	8.000	2472424	21.563 ug/ml
Spiked Amount 50.000		Recovery =	43.13%
6) S 2-Fluorobiphenyl (SURR)	8.877	1478413	20.857 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	41.71%
11) S ortho-Terphenyl (SURR)	11.940	3135527	21.308 ug/ml
Spiked Amount 50.000		Recovery =	42.62%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.594	2970665	21.621 ug/ml
2) T Naphthalene (C11.7)	6.270	2938462	21.605 ug/ml
3) T 2-Methylnaphthalene (...)	7.370	2943407	21.748 ug/ml
5) T Acenaphthylene (C15.06)	8.674	2896959	21.178 ug/ml
7) T Acenaphthene (C15.5)	8.973	3073715	21.418 ug/ml
8) T Flouorene (C16.55)	9.764	2787985	21.002 ug/ml
9) T Phenanthrene (C19.36)	11.171	2696066	20.759 ug/ml
10) T Anthracene (C19.43)	11.247	2426569	19.070 ug/ml
12) T Fluoranthene (C21.85)	12.994	2765348	21.069 ug/ml
13) T Pyrene (C20.8)	13.293	2777649	21.091 ug/ml
14) T Benzo[a]anthracene (C...	15.178	2248669	20.890 ug/ml
15) T Chrysene (C27.41)	15.219	3009153	21.750 ug/ml
16) T benzo[b]fluoranthene ...	16.741	2587485	21.907 ug/ml
17) T Bnezo[k]fluoranthene ...	16.772	2936817	22.787 ug/ml
18) T Benzo[a]pyrene (C31.34)	17.123	2538199	21.101 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.500	1500171	15.172 ug/mlm
20) T Dibenz[a,h]anthracene...	18.540	2502363	15.845 ug/ml
21) T Benzo[g,h,i]perylene ...	18.753	2167453	17.064 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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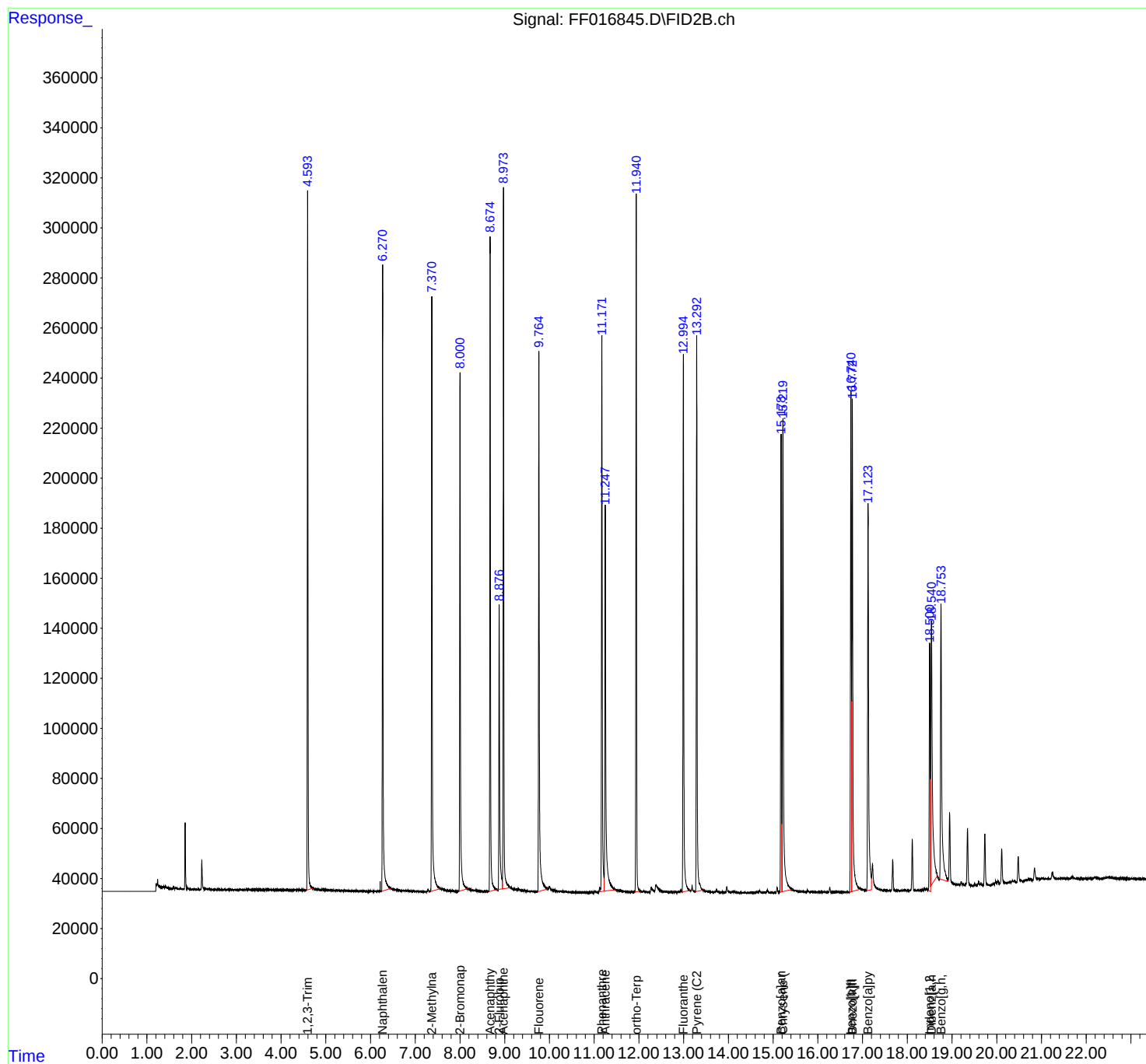
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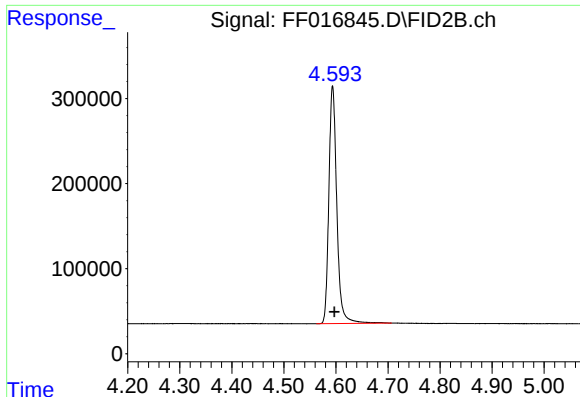
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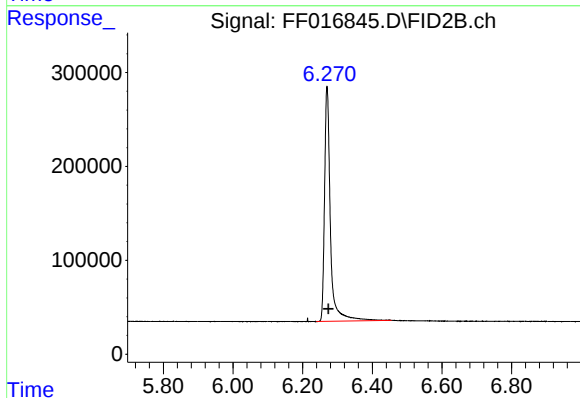
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.594 min
Delta R.T.: -0.003 min
Response: 2970665
Conc: 21.62 ug/ml

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20 PPM AROMATIC HC STD

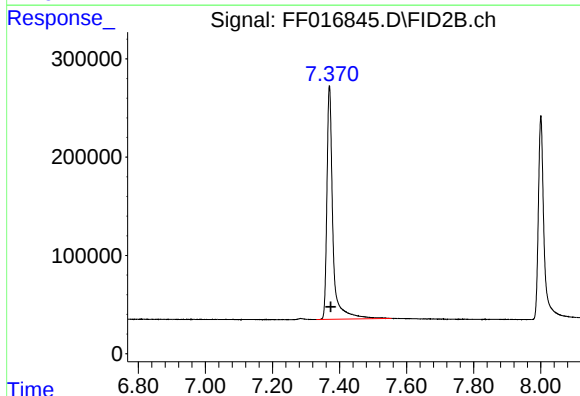
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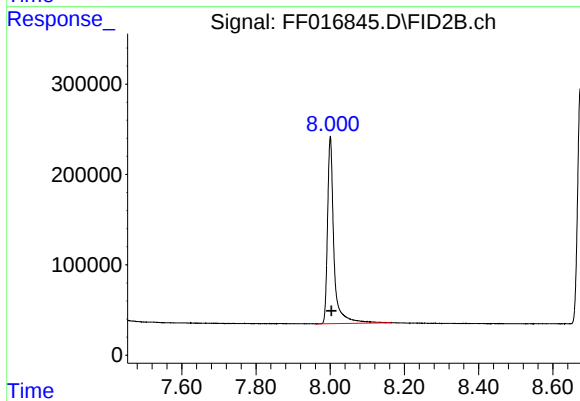
#2 Naphthalene (C11.7)

R.T.: 6.270 min
Delta R.T.: -0.003 min
Response: 2938462
Conc: 21.61 ug/ml



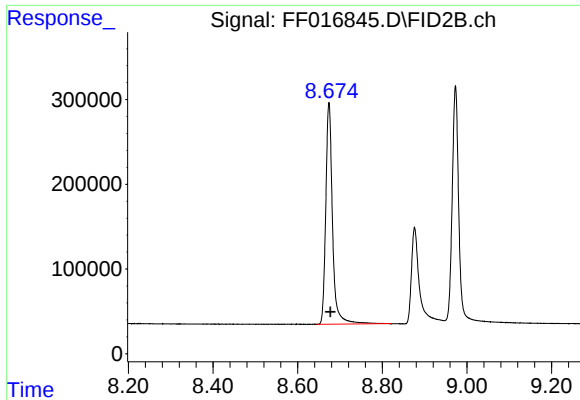
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.370 min
Delta R.T.: -0.003 min
Response: 2943407
Conc: 21.75 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 8.000 min
Delta R.T.: -0.003 min
Response: 2472424
Conc: 21.56 ug/ml



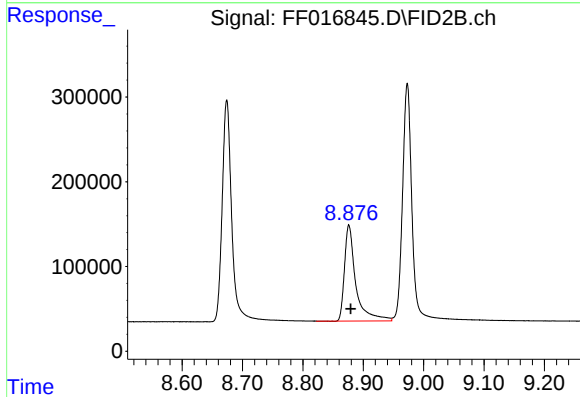
#5 Acenaphthylene (C15.06)

R.T.: 8.674 min
Delta R.T.: -0.004 min
Response: 2896959
Conc: 21.18 ug/ml

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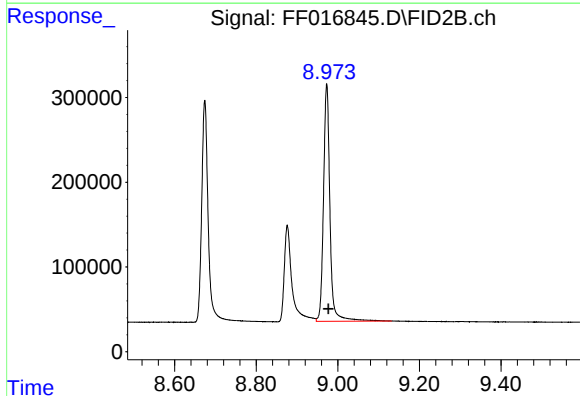
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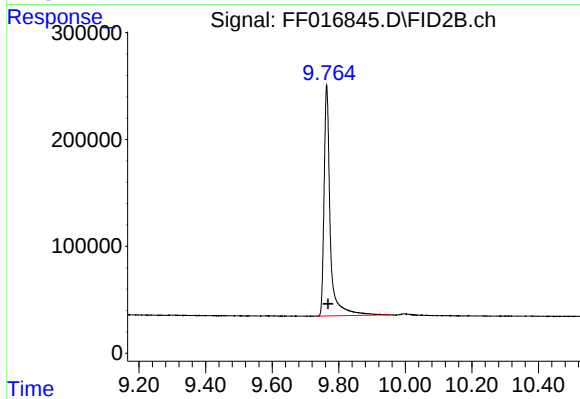
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.877 min
Delta R.T.: -0.003 min
Response: 1478413
Conc: 20.86 ug/ml



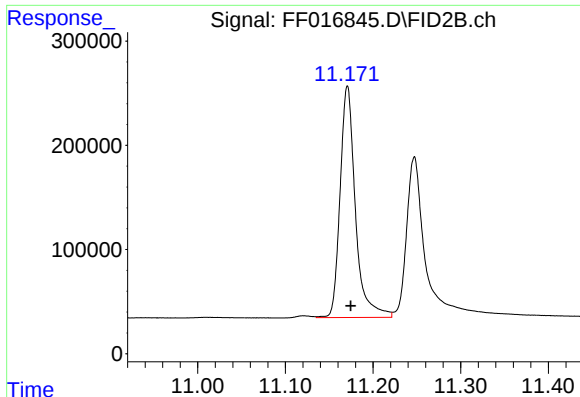
#7 Acenaphthene (C15.5)

R.T.: 8.973 min
Delta R.T.: -0.004 min
Response: 3073715
Conc: 21.42 ug/ml



#8 Fluorene (C16.55)

R.T.: 9.764 min
Delta R.T.: -0.004 min
Response: 2787985
Conc: 21.00 ug/ml



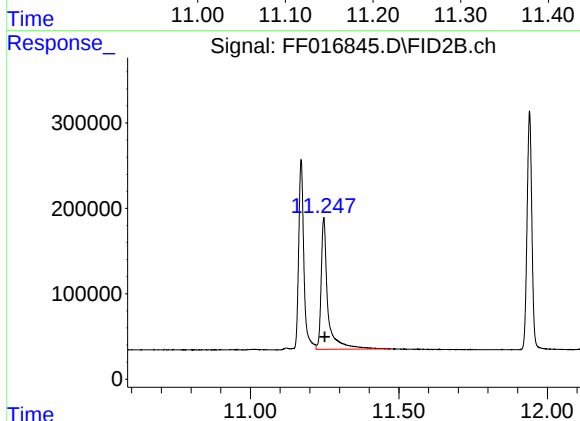
#9 Phenanthrene (C19.36)

R.T.: 11.171 min
Delta R.T.: -0.004 min
Response: 2696066
Conc: 20.76 ug/ml

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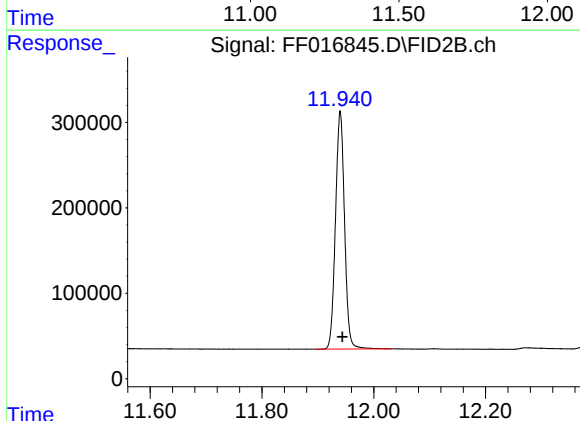
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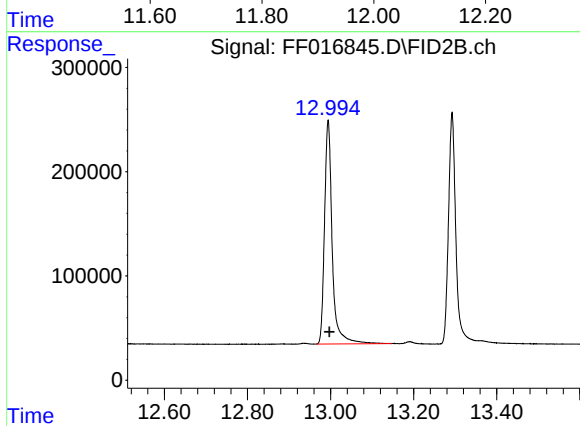
#10 Anthracene (C19.43)

R.T.: 11.247 min
Delta R.T.: -0.003 min
Response: 2426569
Conc: 19.07 ug/ml



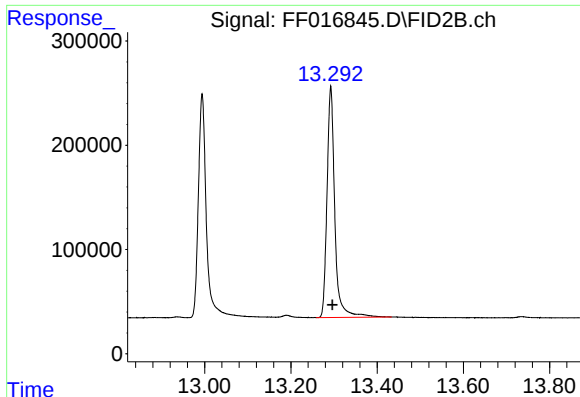
#11 ortho-Terphenyl (SURR)

R.T.: 11.940 min
Delta R.T.: -0.004 min
Response: 3135527
Conc: 21.31 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.994 min
Delta R.T.: -0.004 min
Response: 2765348
Conc: 21.07 ug/ml



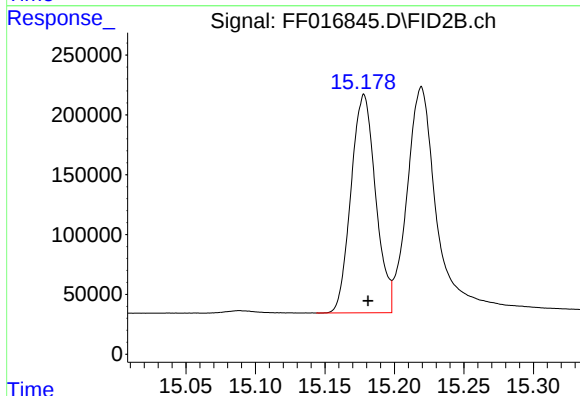
#13 Pyrene (C20.8)

R.T.: 13.293 min
Delta R.T.: -0.004 min
Response: 2777649
Conc: 21.09 ug/ml

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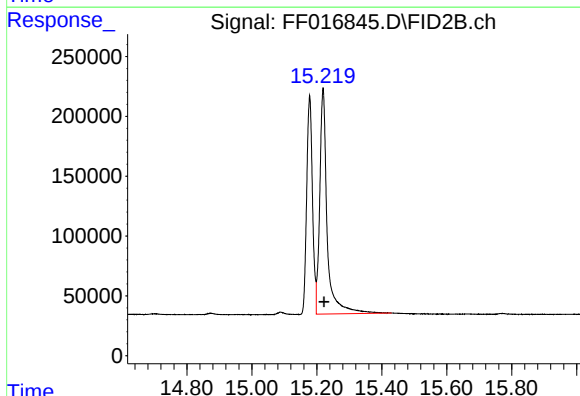
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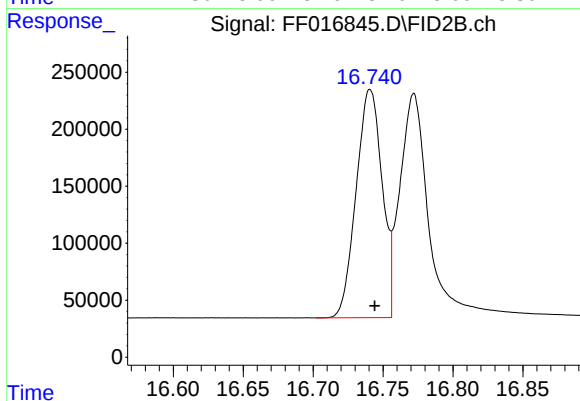
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.178 min
Delta R.T.: -0.003 min
Response: 2248669
Conc: 20.89 ug/ml



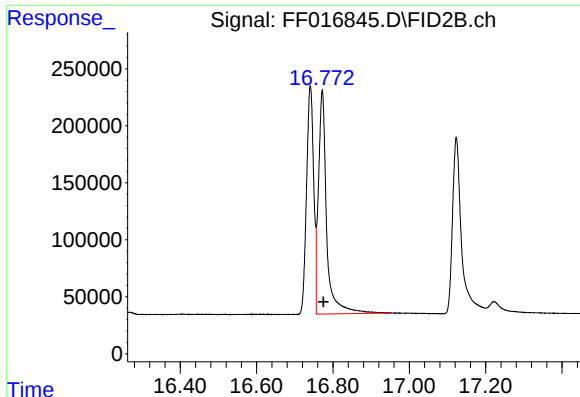
#15 Chrysene (C27.41)

R.T.: 15.219 min
Delta R.T.: -0.003 min
Response: 3009153
Conc: 21.75 ug/ml



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

R.T.: 16.741 min
Delta R.T.: -0.003 min
Response: 2587485
Conc: 21.91 ug/ml



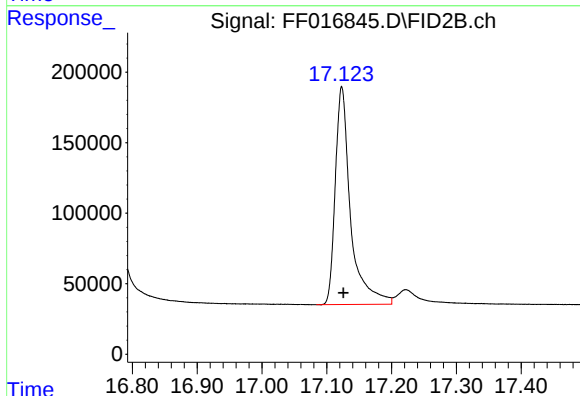
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.772 min
Delta R.T.: -0.003 min
Response: 2936817
Conc: 22.79 ug/ml

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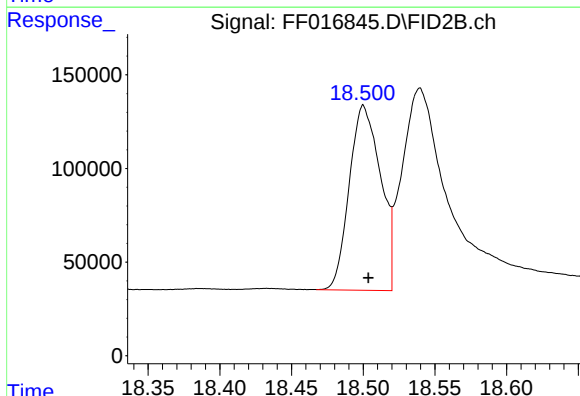
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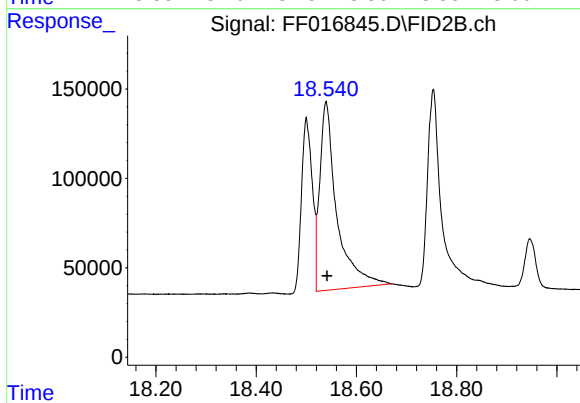
#18 Benzo[a]pyrene (C31.34)

R.T.: 17.123 min
Delta R.T.: -0.003 min
Response: 2538199
Conc: 21.10 ug/ml



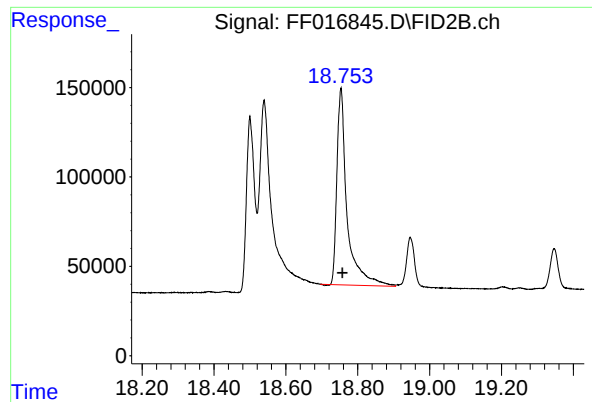
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.500 min
Delta R.T.: -0.004 min
Response: 1500171
Conc: 15.17 ug/ml m



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

R.T.: 18.540 min
Delta R.T.: -0.002 min
Response: 2502363
Conc: 15.84 ug/ml



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

R.T.: 18.753 min
Delta R.T.: -0.004 min
Response: 2167453
Conc: 17.06 ug/ml

Instrument :

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