

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF101624AR\
 Data File : FF014696.D
 Signal(s) : FID2B.ch
 Acq On : 16 Oct 2024 08:05
 Operator : YP\AJ
 Sample : 20 PPM AROMATIC HC STD
 Misc :
 ALS Vial : 91 Sample Multiplier: 1

Instrument :
 FID_F
 ClientSampleId :
 20 PPM AROMATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/17/2024
 Supervised By :Ankita Jodhani 10/17/2024

Integration File: autoint1.e
 Quant Time: Oct 16 08:21:07 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 093024.M
 Quant Title : GC Extractables
 QLast Update : Tue Oct 01 11:02:50 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...	7.855	2246265	20.949 ug/ml
Spiked Amount 50.000		Recovery =	41.90%
6) S 2-Fluorobiphenyl (SURR)	8.726	1324269	21.432 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	42.86%
11) S ortho-Terphenyl (SURR)	11.783	2860677	20.895 ug/ml
Spiked Amount 50.000		Recovery =	41.79%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.468	2692872	20.477 ug/ml
2) T Naphthalene (C11.7)	6.132	2723658	21.177 ug/ml
3) T 2-Methylnaphthalene (...)	7.226	2729030	21.670 ug/ml
5) T Acenaphthylene (C15.06)	8.523	2690998	20.818 ug/ml
7) T Acenaphthene (C15.5)	8.822	2849527	20.889 ug/ml
8) T Fluorene (C16.55)	9.611	2616424	21.903 ug/ml
9) T Phenanthrene (C19.36)	11.012	2561783	22.241 ug/ml
10) T Anthracene (C19.43)	11.088	2763828	23.381 ug/ml
12) T Fluoranthene (C21.85)	12.828	2771087	22.654 ug/ml
13) T Pyrene (C20.8)	13.124	2799989	22.554 ug/ml
14) T Benzo[a]anthracene (C...	15.002	2199781	24.929 ug/mlm
15) T Chrysene (C27.41)	15.043	3066784	21.344 ug/ml
16) T benzo[b]fluoranthene ...	16.555	2401901	24.855 ug/mlm
17) T Bnezo[k]fluoranthene ...	16.586	2740159	20.166 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.935	2426170	22.130 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.304	1580552	24.654 ug/mlm
20) T Dibenz[a,h]anthracene...	18.351	2307231	21.875 ug/ml
21) T Benzo[g,h,i]perylene ...	18.555	2542489	20.919 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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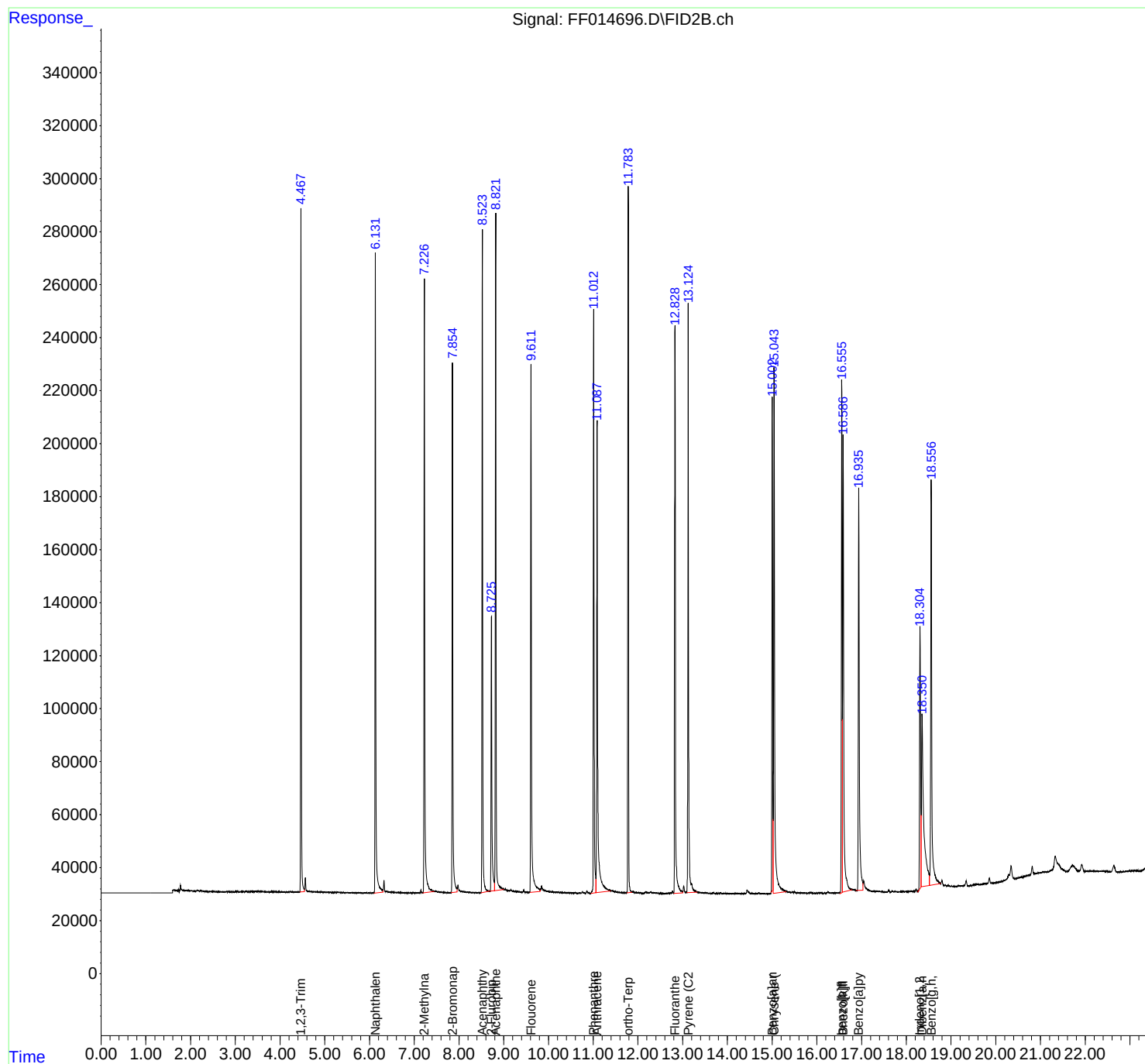
Instrument :
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20 PPM AROMATIC HC STD

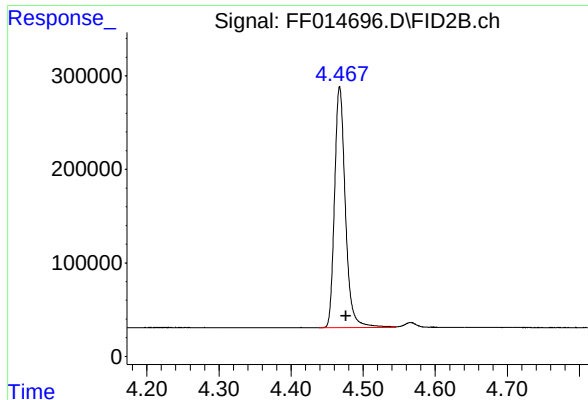
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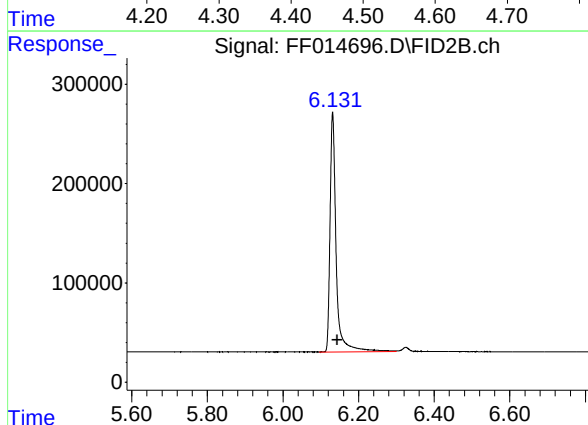
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.468 min
Delta R.T.: -0.008 min
Response: 2692872
Conc: 20.48 ug/ml

Instrument : FID_F
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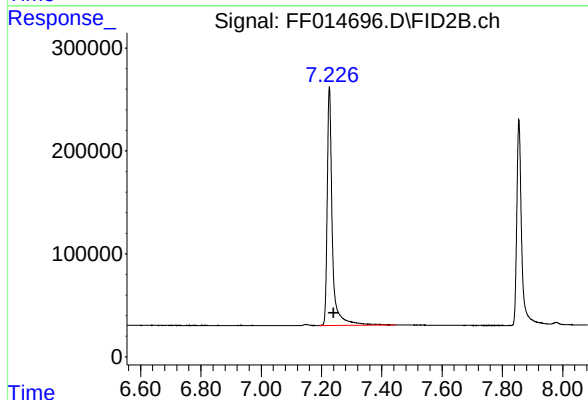
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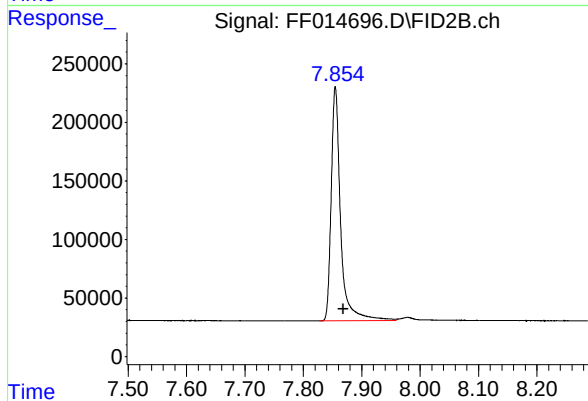
#2 Naphthalene (C11.7)

R.T.: 6.132 min
Delta R.T.: -0.013 min
Response: 2723658
Conc: 21.18 ug/ml



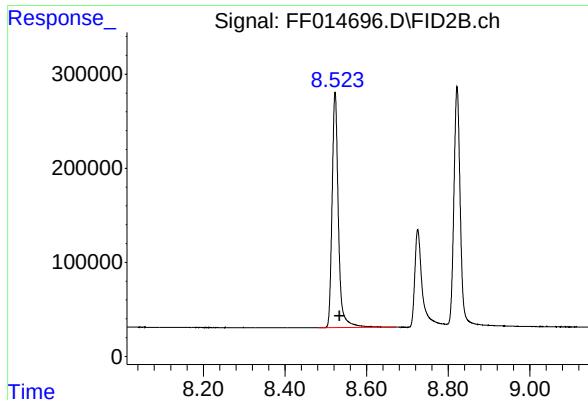
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.226 min
Delta R.T.: -0.014 min
Response: 2729030
Conc: 21.67 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.855 min
Delta R.T.: -0.014 min
Response: 2246265
Conc: 20.95 ug/ml



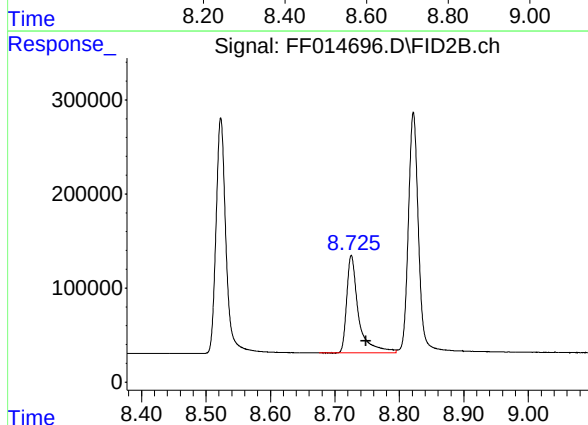
#5 Acenaphthylene (C15.06)

R.T.: 8.523 min
Delta R.T.: -0.011 min
Response: 2690998
Conc: 20.82 ug/ml

Instrument :
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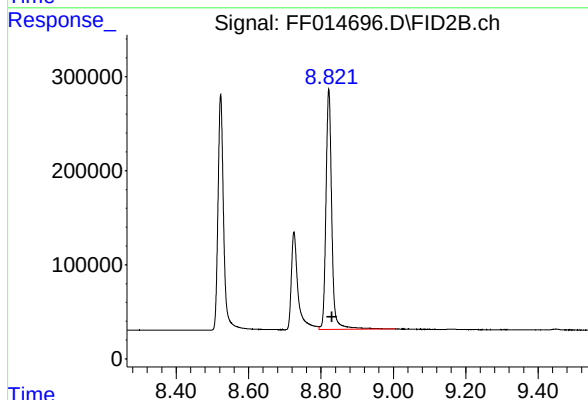
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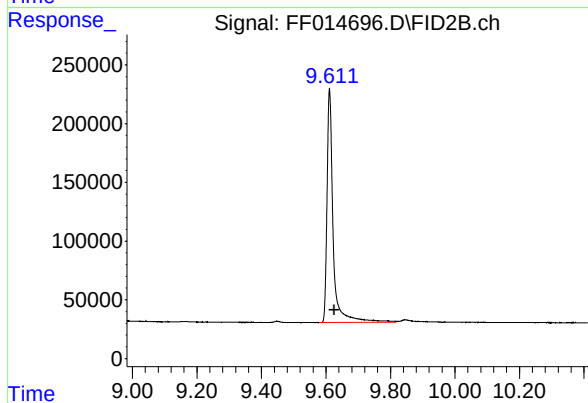
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.726 min
Delta R.T.: -0.023 min
Response: 1324269
Conc: 21.43 ug/ml



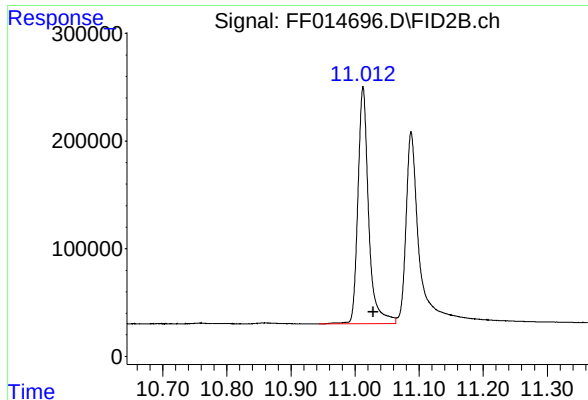
#7 Acenaphthene (C15.5)

R.T.: 8.822 min
Delta R.T.: -0.009 min
Response: 2849527
Conc: 20.89 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.611 min
Delta R.T.: -0.016 min
Response: 2616424
Conc: 21.90 ug/ml



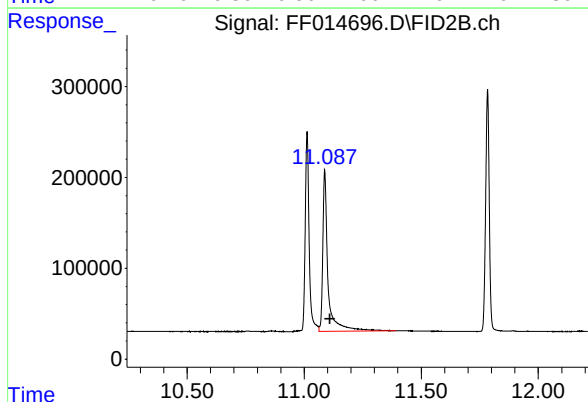
#9 Phenanthrene (C19.36)

R.T.: 11.012 min
Delta R.T.: -0.016 min
Response: 2561783
Conc: 22.24 ug/ml

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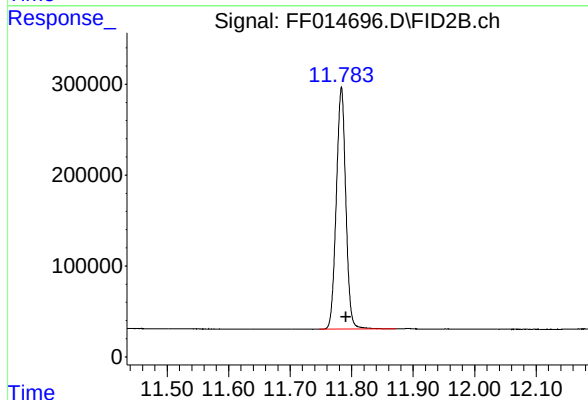
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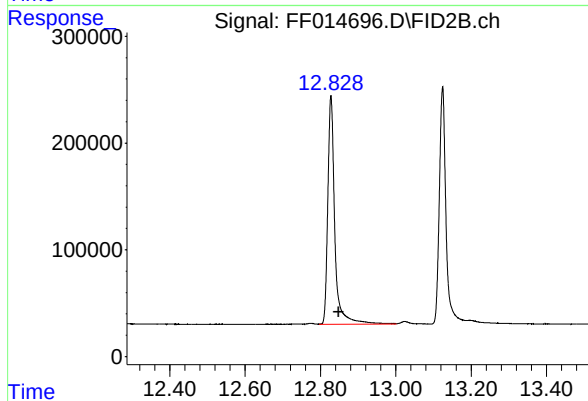
#10 Anthracene (C19.43)

R.T.: 11.088 min
Delta R.T.: -0.022 min
Response: 2763828
Conc: 23.38 ug/ml



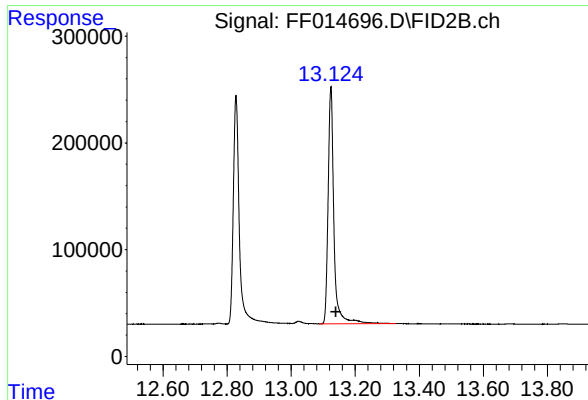
#11 ortho-Terphenyl (SURR)

R.T.: 11.783 min
Delta R.T.: -0.008 min
Response: 2860677
Conc: 20.90 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.828 min
Delta R.T.: -0.020 min
Response: 2771087
Conc: 22.65 ug/ml



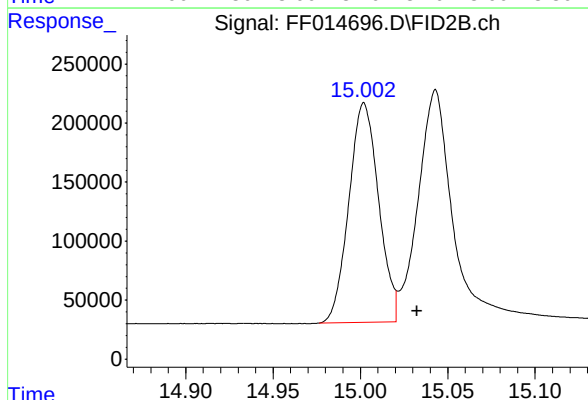
#13 Pyrene (C20.8)

R.T.: 13.124 min
 Delta R.T.: -0.016 min
 Response: 2799989
 Conc: 22.55 ug/ml

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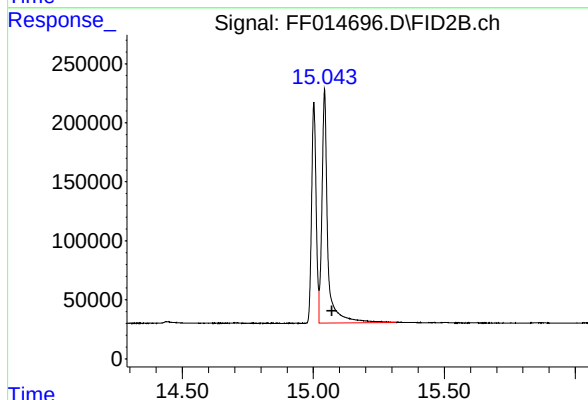
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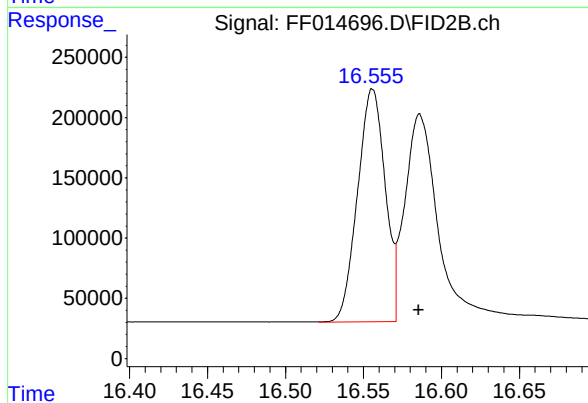
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.002 min
 Delta R.T.: -0.031 min
 Response: 2199781
 Conc: 24.93 ug/ml m



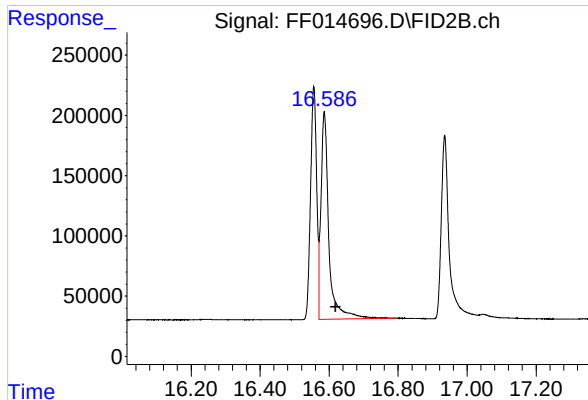
#15 Chrysene (C27.41)

R.T.: 15.043 min
 Delta R.T.: -0.029 min
 Response: 3066784
 Conc: 21.34 ug/ml



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

R.T.: 16.555 min
 Delta R.T.: -0.030 min
 Response: 2401901
 Conc: 24.85 ug/ml m



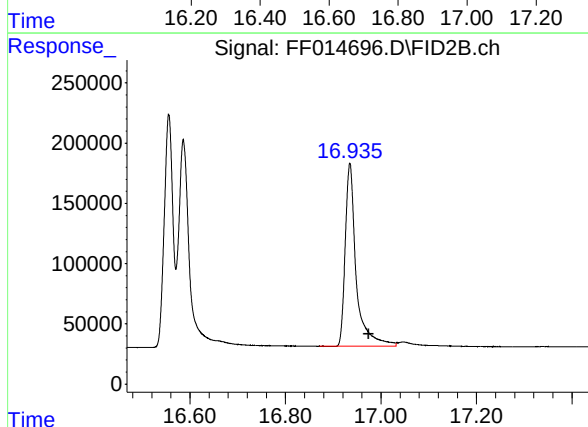
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.586 min
Delta R.T.: -0.033 min
Response: 2740159
Conc: 20.17 ug/ml

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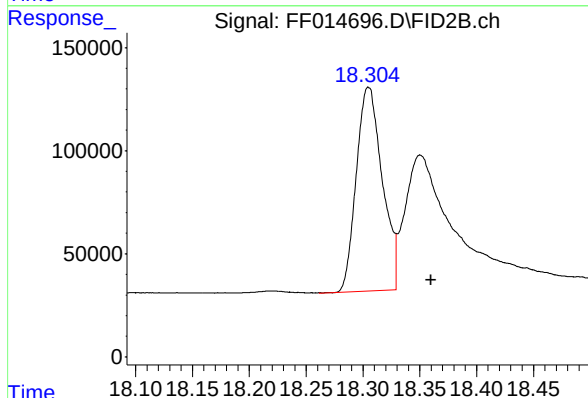
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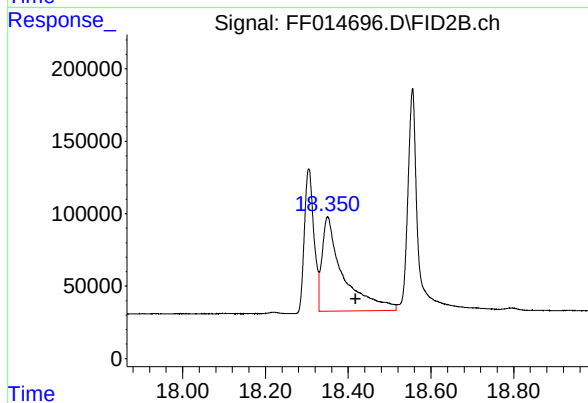
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.935 min
Delta R.T.: -0.040 min
Response: 2426170
Conc: 22.13 ug/ml



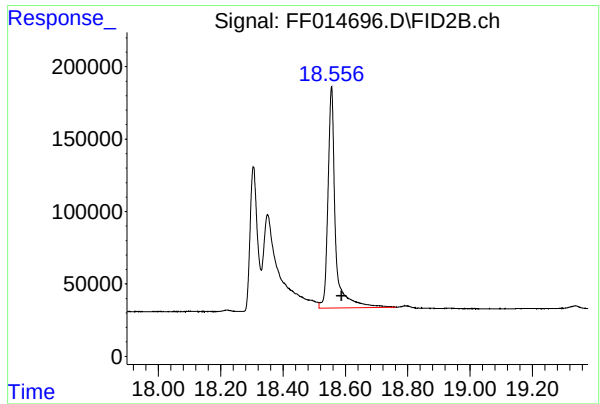
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.304 min
Delta R.T.: -0.056 min
Response: 1580552
Conc: 24.65 ug/ml m



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

R.T.: 18.351 min
Delta R.T.: -0.067 min
Response: 2307231
Conc: 21.88 ug/ml



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

R.T.: 18.555 min
Delta R.T.: -0.032 min
Response: 2542489
Conc: 20.92 ug/ml

Instrument :

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