

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD052723AR\
 Data File : FD045760.D
 Signal(s) : FID2B.ch
 Acq On : 26 May 2023 23:10
 Operator : YP/AJ
 Sample : 5 PPM AROMATIC HC STD5
 Misc :
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 5 PPM AROMATIC HC STD5

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 05/30/2023
 Supervised By :Ankita Jodhani 05/30/2023

Integration File: autoint1.e
 Quant Time: May 27 06:43:45 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 052723.M
 Quant Title : GC Extractables
 QLast Update : Sat May 27 06:43:30 2023
 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...	7.538	908327	5.038 ug/ml
Spiked Amount 50.000		Recovery =	10.08%
6) S 2-Fluorobiphenyl (SURR)	8.392	592908	4.932 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	9.86%
11) S ortho-Terphenyl (SURR)	11.431	1134873	5.081 ug/ml
Spiked Amount 50.000		Recovery =	10.16%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.350	1026798	5.086 ug/ml
2) T Naphthalene (C11.7)	5.879	1083450	5.113 ug/ml
3) T 2-Methylnaphthalene (...)	6.927	1072018	5.076 ug/ml
5) T Acenaphthylene (C15.06)	8.197	946949	4.998 ug/ml
7) T Acenaphthene (C15.5)	8.492	1017141	5.031 ug/ml
8) T Fluorene (C16.55)	9.270	988306	4.988 ug/ml
9) T Phenanthrene (C19.36)	10.659	952064	4.977 ug/ml
10) T Anthracene (C19.43)	10.733	892473	5.239 ug/ml
12) T Fluoranthene (C21.85)	12.462	915511	4.955 ug/ml
13) T Pyrene (C20.8)	12.756	883849	4.949 ug/ml
14) T Benzo[a]anthracene (C...	14.619	778218	4.970 ug/ml
15) T Chrysene (C27.41)	14.660	856089	5.189 ug/ml
16) T benzo[b]fluoranthene ...	16.158	748047	4.943 ug/ml
17) T Bnezo[k]fluoranthene ...	16.190	831313	5.370 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.534	748065	5.115 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.889	753802	5.147 ug/ml
20) T Dibenz[a,h]anthracene...	17.932	814945	5.431 ug/mlm
21) T Benzo[g,h,i]perylene ...	18.139	756258	5.125 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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ALS Vial : 45 Sample Multiplier: 1

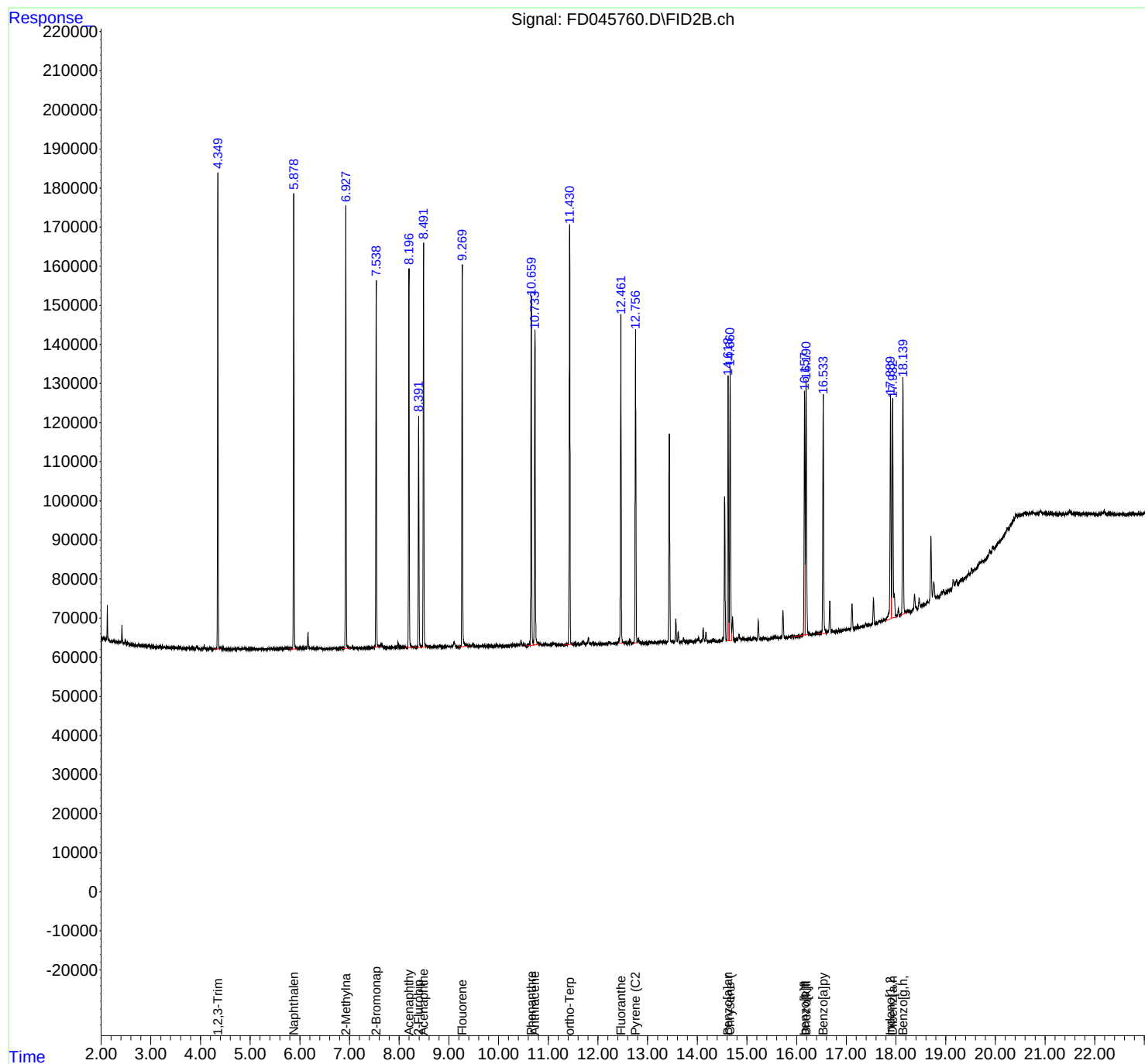
Instrument :
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5 PPM AROMATIC HC STD5

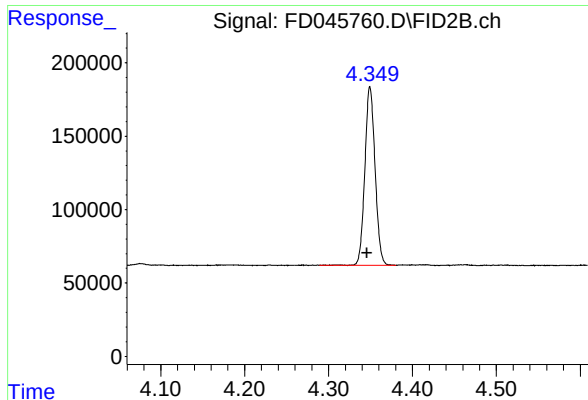
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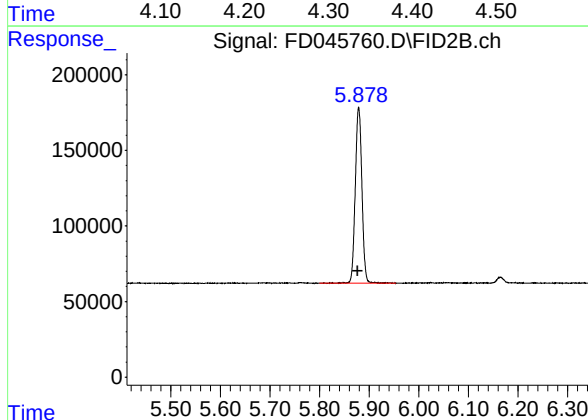
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.350 min
Delta R.T.: 0.004 min
Response: 1026798
Conc: 5.09 ug/ml

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5 PPM AROMATIC HC STD5

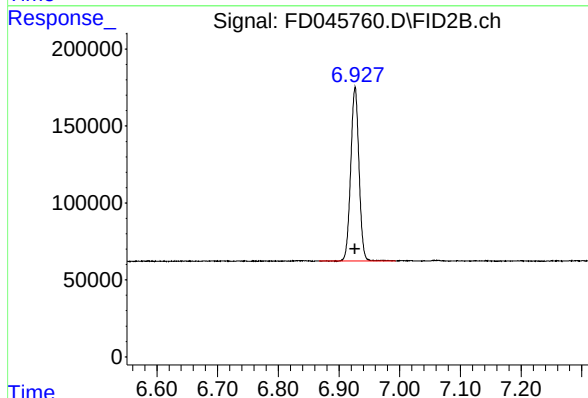
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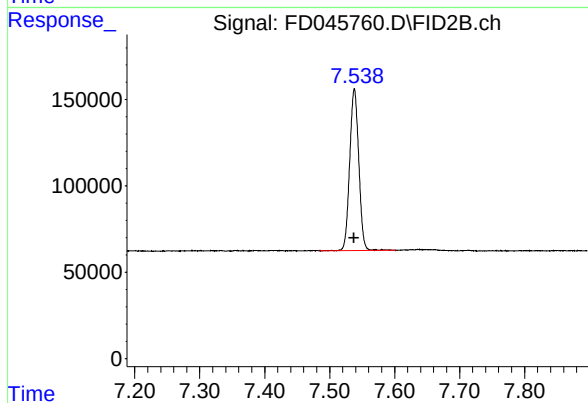
#2 Naphthalene (C11.7)

R.T.: 5.879 min
Delta R.T.: 0.002 min
Response: 1083450
Conc: 5.11 ug/ml



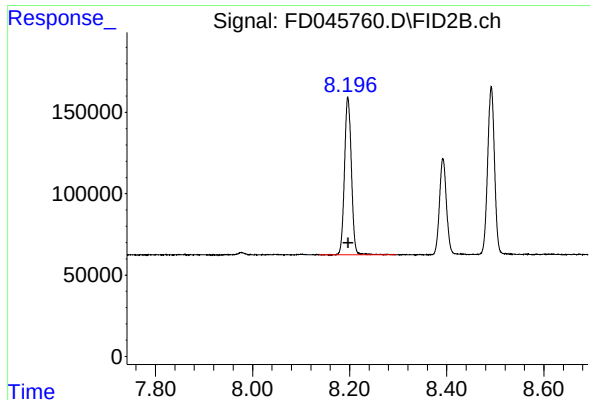
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.927 min
Delta R.T.: 0.000 min
Response: 1072018
Conc: 5.08 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.538 min
Delta R.T.: 0.000 min
Response: 908327
Conc: 5.04 ug/ml



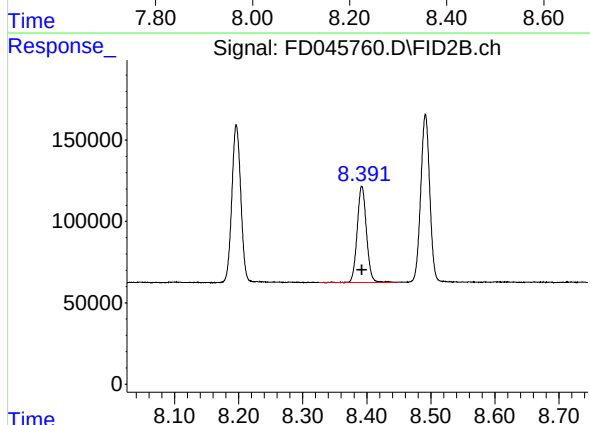
#5 Acenaphthylene (C15.06)

R.T.: 8.197 min
Delta R.T.: 0.000 min
Response: 946949
Conc: 5.00 ug/ml

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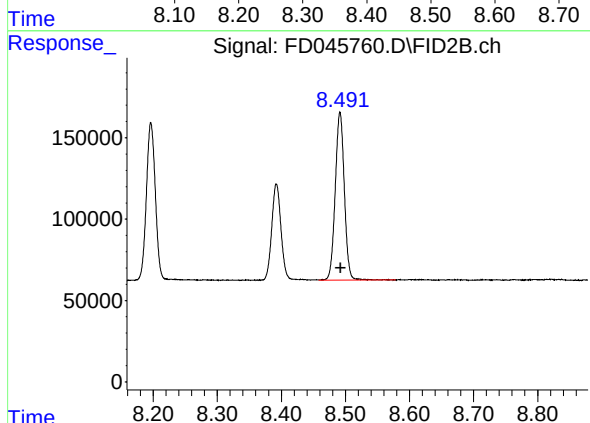
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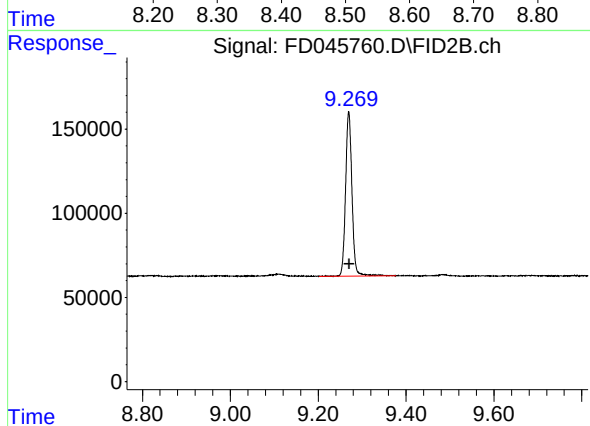
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.392 min
Delta R.T.: 0.000 min
Response: 592908
Conc: 4.93 ug/ml



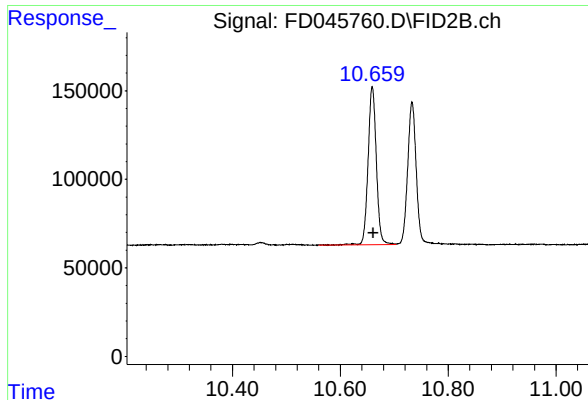
#7 Acenaphthene (C15.5)

R.T.: 8.492 min
Delta R.T.: 0.000 min
Response: 1017141
Conc: 5.03 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.270 min
Delta R.T.: 0.000 min
Response: 988306
Conc: 4.99 ug/ml



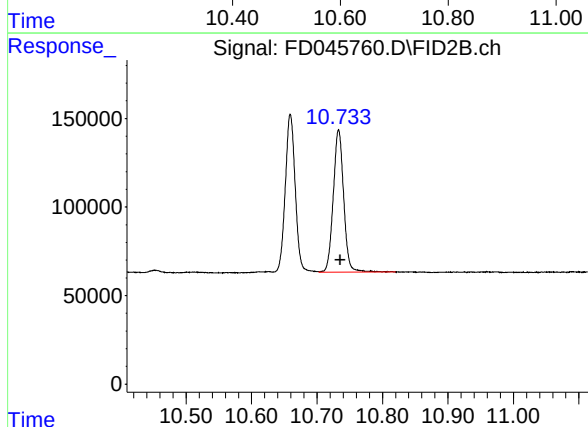
#9 Phenanthrene (C19.36)

R.T.: 10.659 min
Delta R.T.: -0.002 min
Response: 952064
Conc: 4.98 ug/ml

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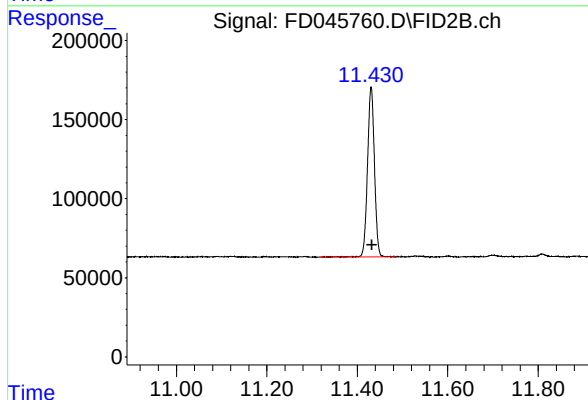
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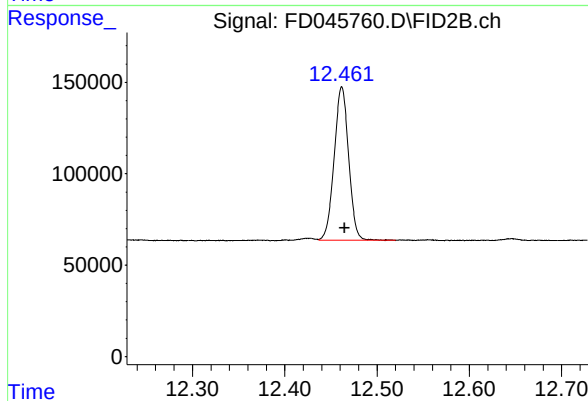
#10 Anthracene (C19.43)

R.T.: 10.733 min
Delta R.T.: -0.002 min
Response: 892473
Conc: 5.24 ug/ml



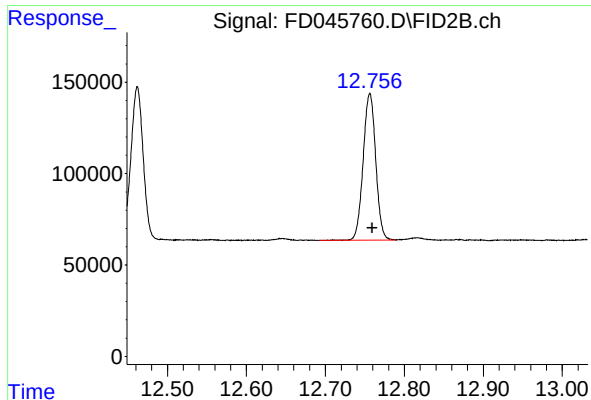
#11 ortho-Terphenyl (SURR)

R.T.: 11.431 min
Delta R.T.: -0.002 min
Response: 1134873
Conc: 5.08 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.462 min
Delta R.T.: -0.003 min
Response: 915511
Conc: 4.96 ug/ml



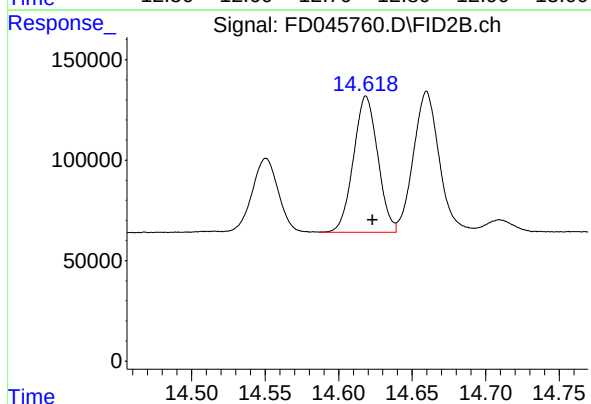
#13 Pyrene (C20.8)

R.T.: 12.756 min
Delta R.T.: -0.003 min
Response: 883849
Conc: 4.95 ug/ml

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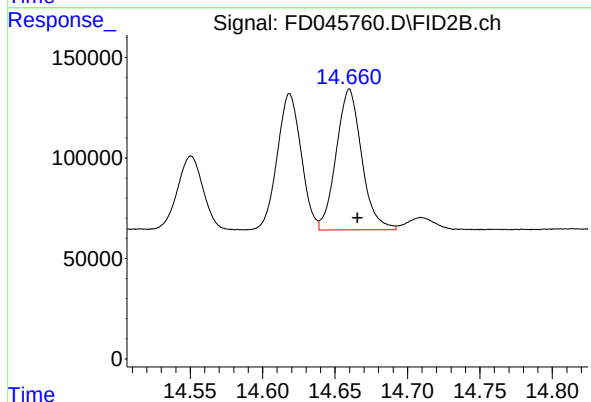
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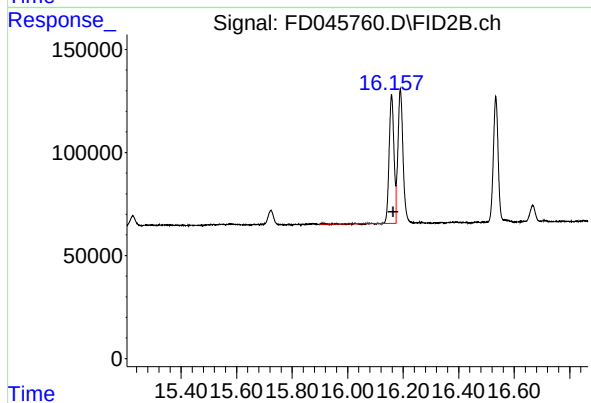
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.619 min
Delta R.T.: -0.004 min
Response: 778218
Conc: 4.97 ug/ml



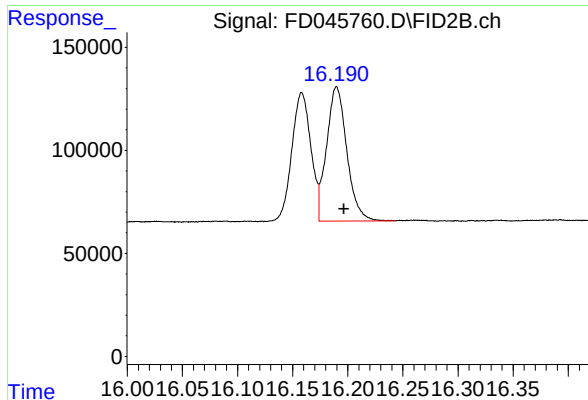
#15 Chrysene (C27.41)

R.T.: 14.660 min
Delta R.T.: -0.006 min
Response: 856089
Conc: 5.19 ug/ml



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

R.T.: 16.158 min
Delta R.T.: -0.006 min
Response: 748047
Conc: 4.94 ug/ml



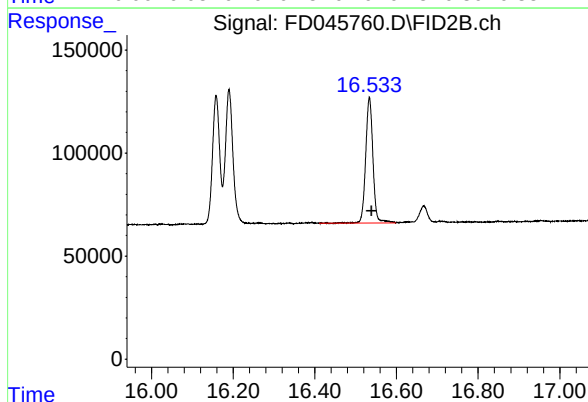
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.190 min
Delta R.T.: -0.007 min
Response: 831313
Conc: 5.37 ug/ml

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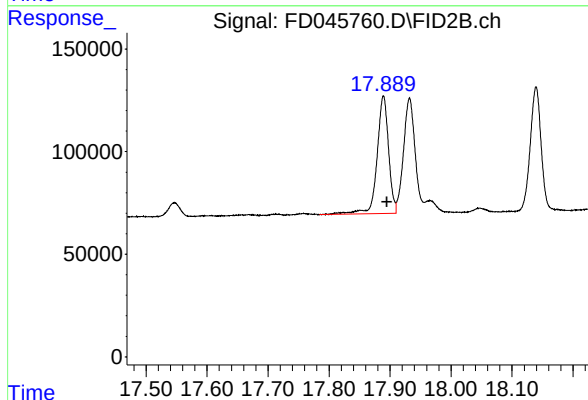
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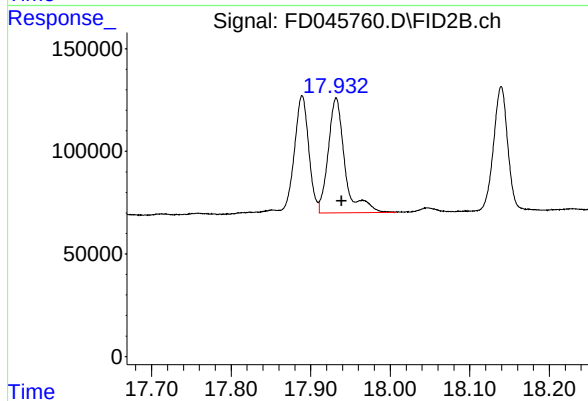
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.534 min
Delta R.T.: -0.005 min
Response: 748065
Conc: 5.12 ug/ml



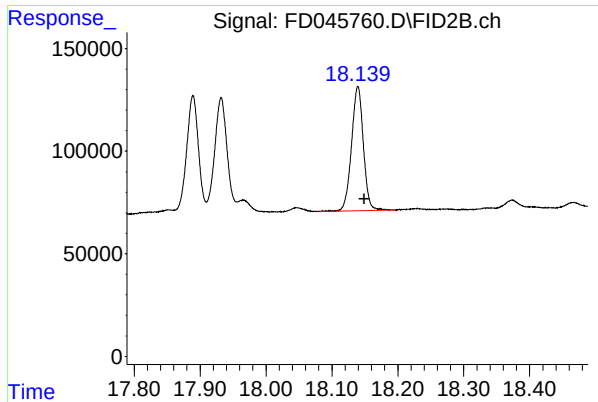
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.889 min
Delta R.T.: -0.006 min
Response: 753802
Conc: 5.15 ug/ml



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

R.T.: 17.932 min
Delta R.T.: -0.007 min
Response: 814945
Conc: 5.43 ug/ml m



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

R.T.: 18.139 min
Delta R.T.: -0.010 min
Response: 756258
Conc: 5.13 ug/ml

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