

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD042924AR\
 Data File : FD047611.D
 Signal(s) : FID2B.ch
 Acq On : 29 Apr 2024 16:39
 Operator : YP/AJ
 Sample : 5 PPM AROMATIC HC STD5
 Misc :
 ALS Vial : 70 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 5 PPM AROMATIC HC STD5

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 04/30/2024
 Supervised By :mohammad ahmed 05/02/2024

Integration File: autoint1.e
 Quant Time: Apr 29 17:12:15 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 042924.M
 Quant Title : GC Extractables
 QLast Update : Mon Apr 29 17:12:06 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...	7.458	783129	4.994 ug/ml
Spiked Amount 50.000		Recovery =	9.99%
6) S 2-Fluorobiphenyl (SURR)	8.312	501955	4.799 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	9.60%
11) S ortho-Terphenyl (SURR)	11.350	974470	5.196 ug/ml
Spiked Amount 50.000		Recovery =	10.39%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.269	803145	4.968 ug/ml
2) T Naphthalene (C11.7)	5.797	830839	4.910 ug/ml
3) T 2-Methylnaphthalene (...)	6.845	836059	4.930 ug/mlm
5) T Acenaphthylene (C15.06)	8.115	806089	4.949 ug/mlm
7) T Acenaphthene (C15.5)	8.409	829435	4.934 ug/ml
8) T Flouorene (C16.55)	9.189	822151	4.942 ug/ml
9) T Phenanthrene (C19.36)	10.578	797414	4.871 ug/ml
10) T Anthracene (C19.43)	10.653	735243	4.909 ug/ml
12) T Fluoranthene (C21.85)	12.383	825266	4.973 ug/ml
13) T Pyrene (C20.8)	12.678	822461	5.055 ug/ml
14) T Benzo[a]anthracene (C...	14.546	695106	4.762 ug/ml
15) T Chrysene (C27.41)	14.587	787899	5.000 ug/ml
16) T benzo[b]fluoranthene ...	16.091	721138	4.828 ug/ml
17) T Bnezo[k]fluoranthene ...	16.122	759334	5.044 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.469	696930	4.830 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.830	620760	4.574 ug/ml
20) T Dibenz[a,h]anthracene...	17.872	750799	5.244 ug/ml
21) T Benzo[g,h,i]perylene ...	18.080	652153	4.750 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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ALS Vial : 70 Sample Multiplier: 1

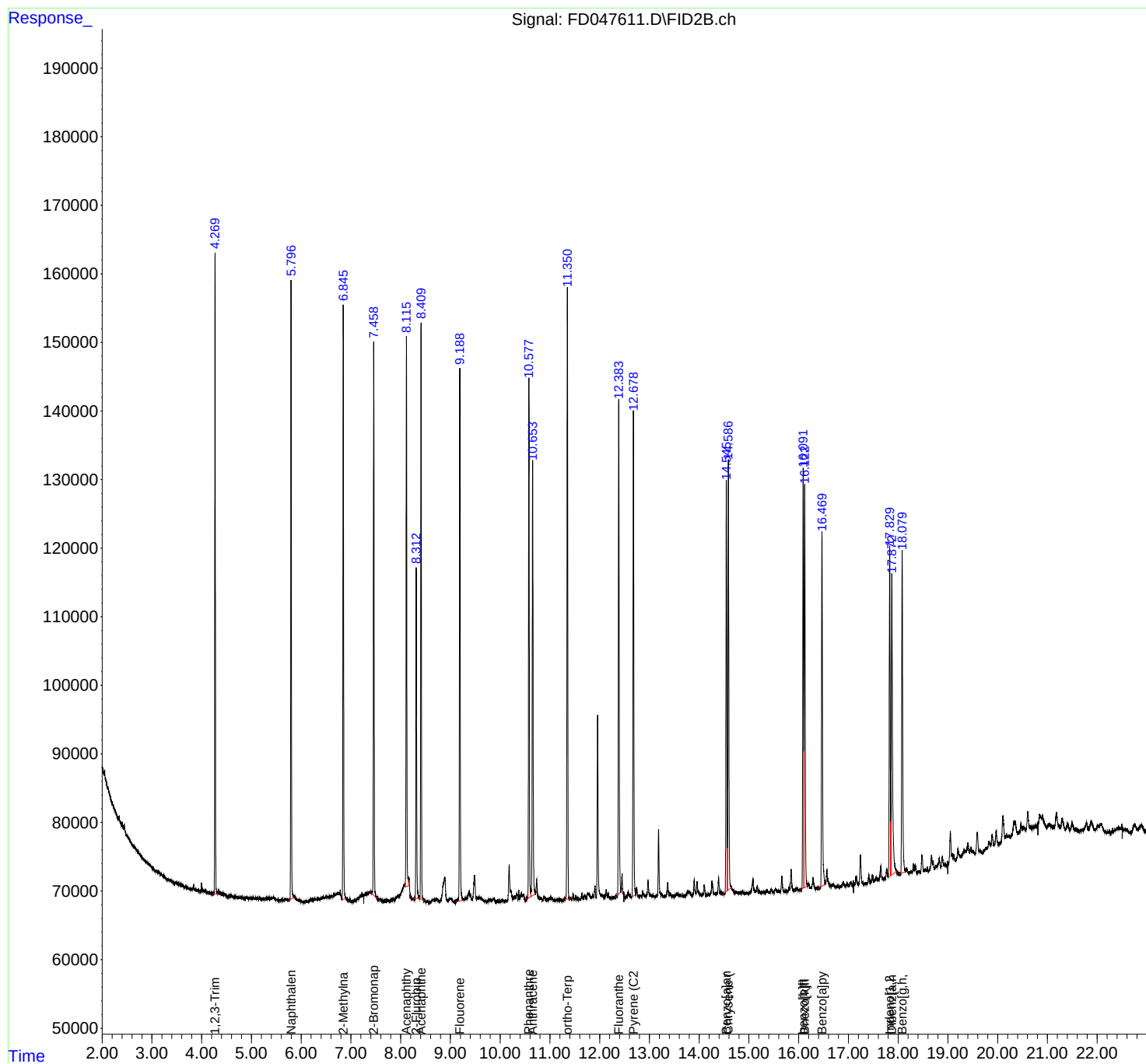
Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5

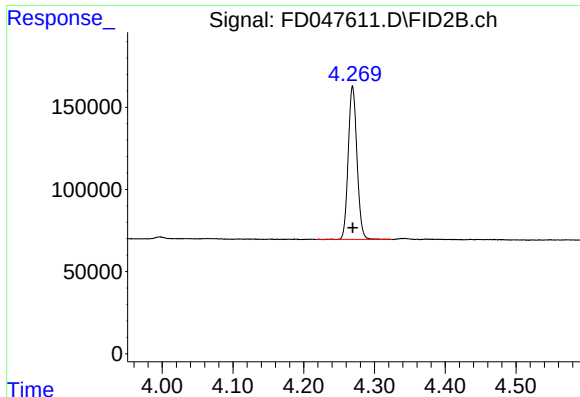
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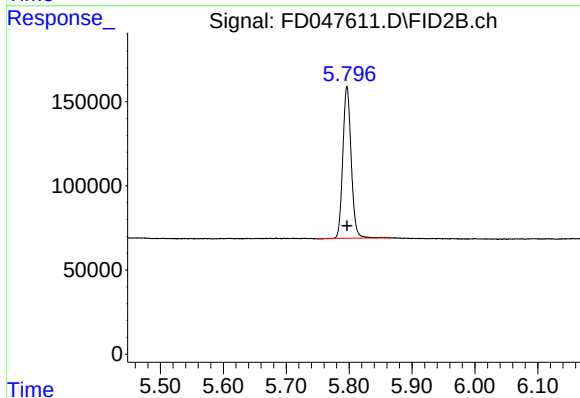
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.269 min
Delta R.T.: 0.000 min
Response: 803145
Conc: 4.97 ug/ml

Instrument :
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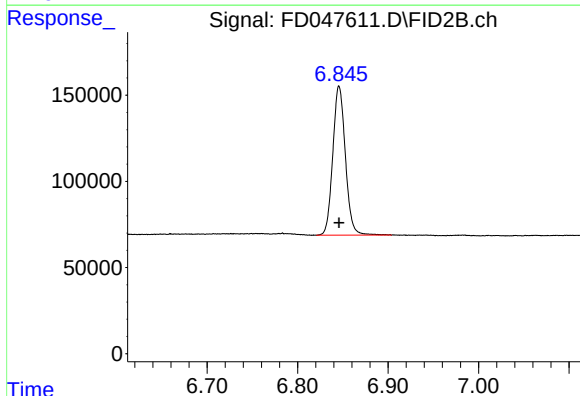
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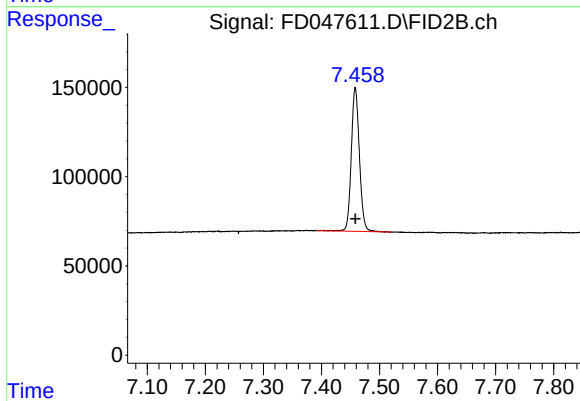
#2 Naphthalene (C11.7)

R.T.: 5.797 min
Delta R.T.: 0.000 min
Response: 830839
Conc: 4.91 ug/ml



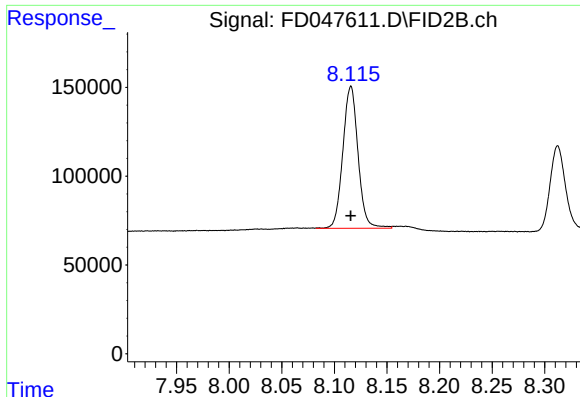
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.845 min
Delta R.T.: 0.000 min
Response: 836059
Conc: 4.93 ug/ml m



#4 2-Bromonaphthalene (SURR)

R.T.: 7.458 min
Delta R.T.: 0.000 min
Response: 783129
Conc: 4.99 ug/ml



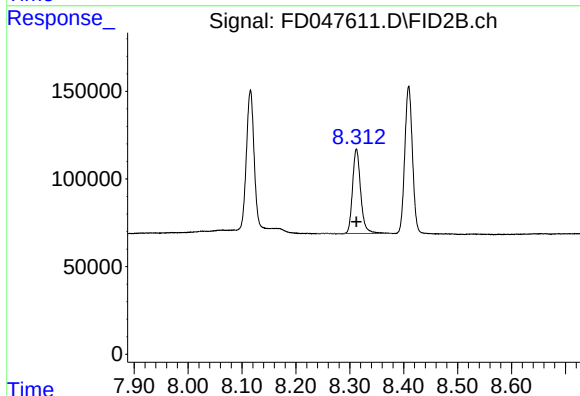
#5 Acenaphthylene (C15.06)

R.T.: 8.115 min
Delta R.T.: 0.000 min
Response: 806089
Conc: 4.95 ug/ml

Instrument :
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5 PPM AROMATIC HC STD5

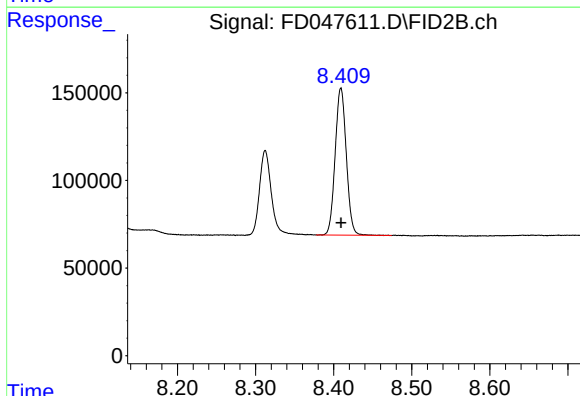
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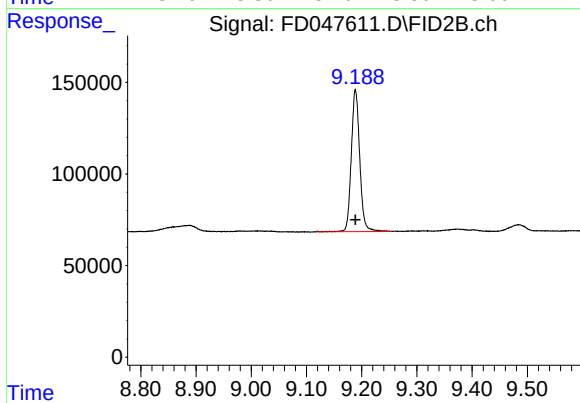
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.312 min
Delta R.T.: 0.000 min
Response: 501955
Conc: 4.80 ug/ml



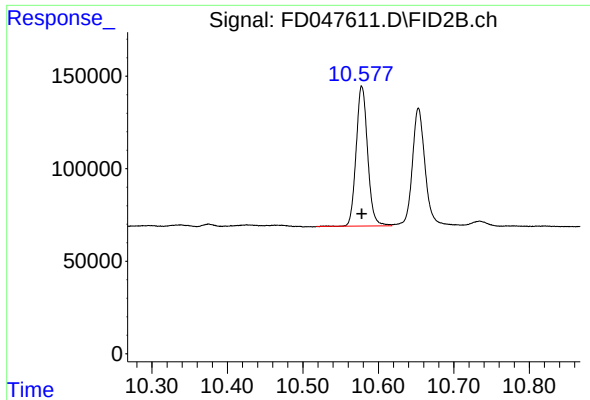
#7 Acenaphthene (C15.5)

R.T.: 8.409 min
Delta R.T.: 0.000 min
Response: 829435
Conc: 4.93 ug/ml



#8 Fluorene (C16.55)

R.T.: 9.189 min
Delta R.T.: 0.000 min
Response: 822151
Conc: 4.94 ug/ml



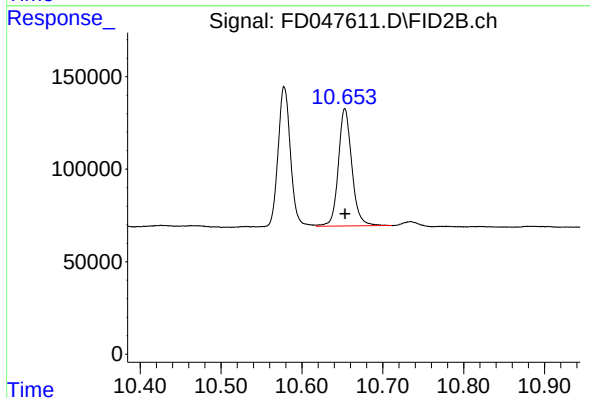
#9 Phenanthrene (C19.36)

R.T.: 10.578 min
Delta R.T.: 0.000 min
Response: 797414
Conc: 4.87 ug/ml

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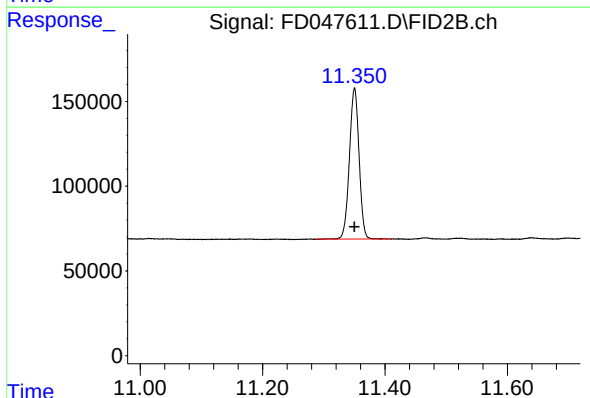
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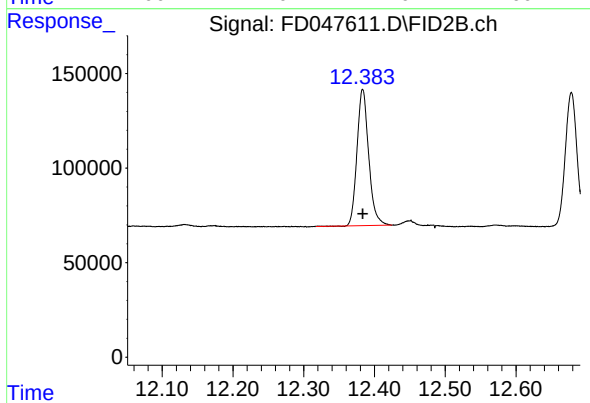
#10 Anthracene (C19.43)

R.T.: 10.653 min
Delta R.T.: 0.000 min
Response: 735243
Conc: 4.91 ug/ml



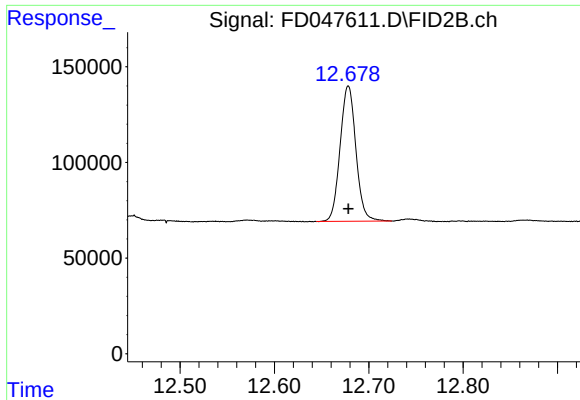
#11 ortho-Terphenyl (SURR)

R.T.: 11.350 min
Delta R.T.: 0.000 min
Response: 974470
Conc: 5.20 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.383 min
Delta R.T.: 0.000 min
Response: 825266
Conc: 4.97 ug/ml



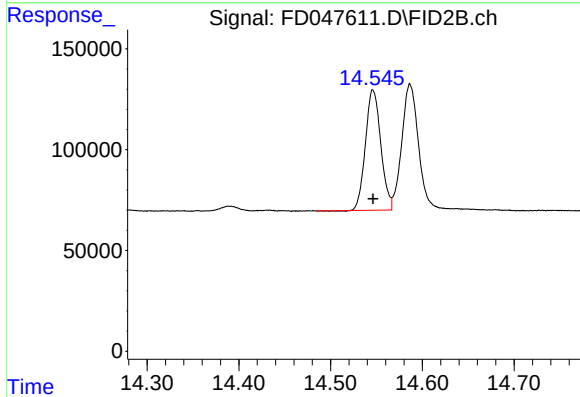
#13 Pyrene (C20.8)

R.T.: 12.678 min
Delta R.T.: 0.000 min
Response: 822461
Conc: 5.05 ug/ml

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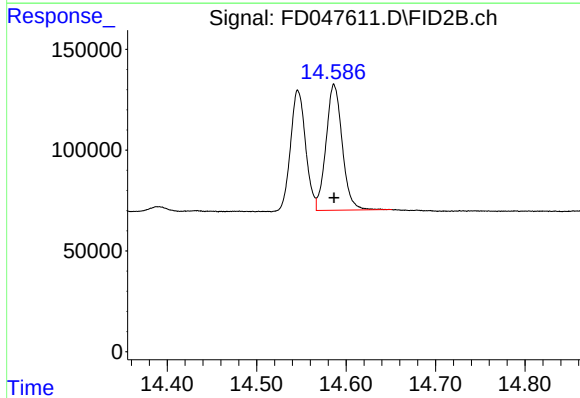
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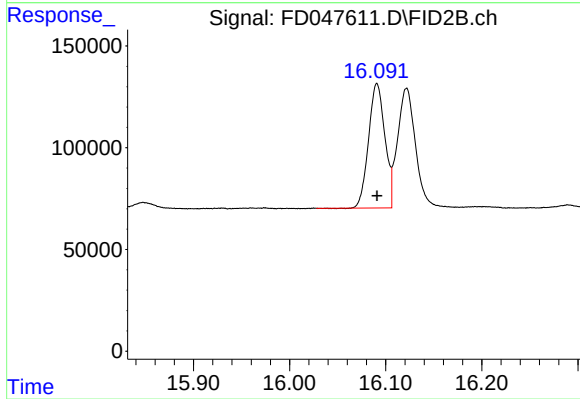
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.546 min
Delta R.T.: 0.000 min
Response: 695106
Conc: 4.76 ug/ml



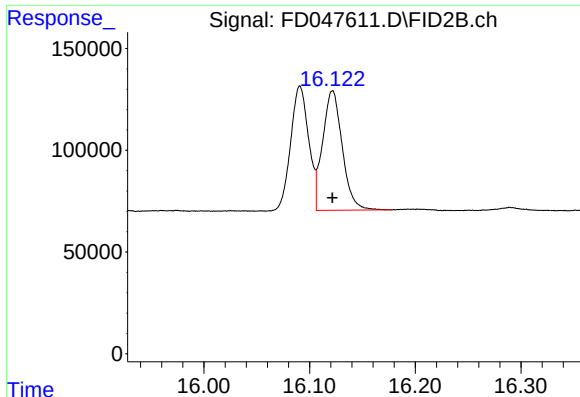
#15 Chrysene (C27.41)

R.T.: 14.587 min
Delta R.T.: 0.000 min
Response: 787899
Conc: 5.00 ug/ml



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

R.T.: 16.091 min
Delta R.T.: 0.000 min
Response: 721138
Conc: 4.83 ug/ml



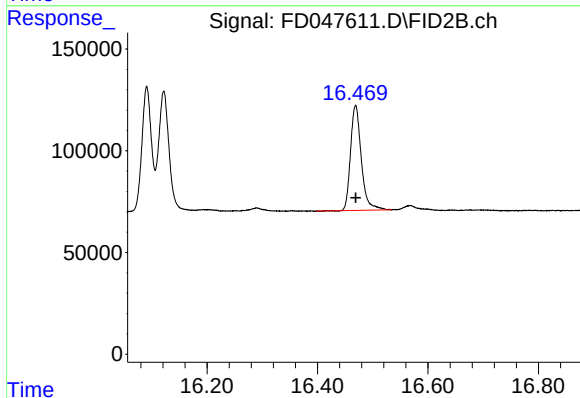
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.122 min
Delta R.T.: 0.000 min
Response: 759334
Conc: 5.04 ug/ml

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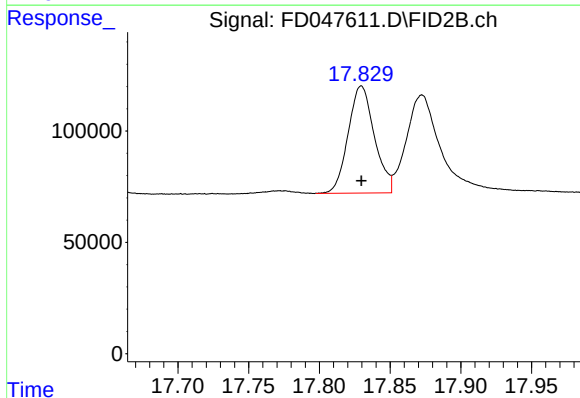
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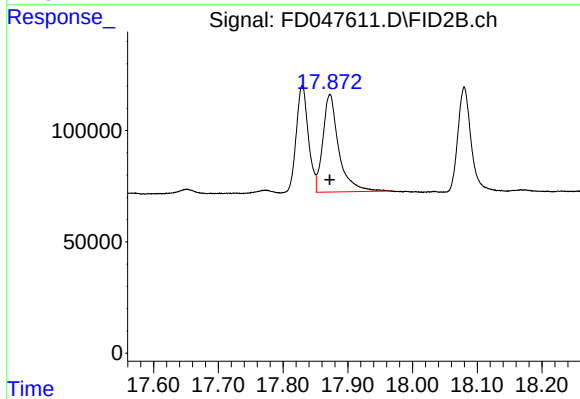
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.469 min
Delta R.T.: 0.000 min
Response: 696930
Conc: 4.83 ug/ml



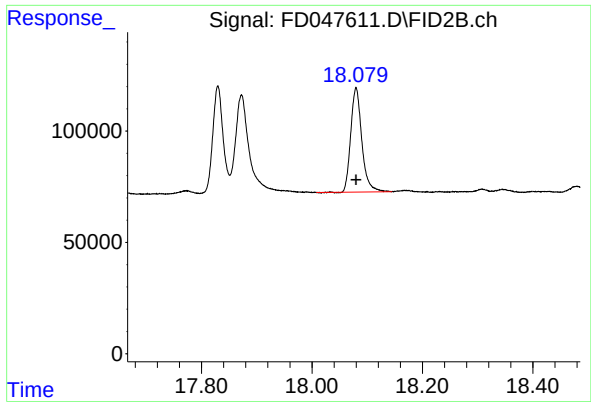
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.830 min
Delta R.T.: 0.000 min
Response: 620760
Conc: 4.57 ug/ml



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

R.T.: 17.872 min
Delta R.T.: 0.000 min
Response: 750799
Conc: 5.24 ug/ml



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

R.T.: 18.080 min
Delta R.T.: 0.000 min
Response: 652153
Conc: 4.75 ug/ml

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