

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD051024AR\
 Data File : FD047722.D
 Signal(s) : FID2B.ch
 Acq On : 11 May 2024 15:09
 Operator : YP/AJ
 Sample : P2403-03
 Misc :
 ALS Vial : 67 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 MDL-SOIL-03-QT2-2024

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 05/13/2024
 Supervised By :Ankita Jodhani 05/13/2024

Integration File: autoint1.e
 Quant Time: May 13 02:06:15 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 042924.M
 Quant Title : GC Extractables
 QLast Update : Mon Apr 29 17:13:11 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...	7.462	7343834	46.827 ug/ml
Spiked Amount 50.000		Recovery =	93.65%
6) S 2-Fluorobiphenyl (SURR)	8.316	4775115	45.650 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	91.30%
11) S ortho-Terphenyl (SURR)	11.358	7217541	38.487 ug/ml
Spiked Amount 50.000		Recovery =	76.97%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.273	285153	1.764 ug/ml
2) T Naphthalene (C11.7)	5.800	309850	1.831 ug/ml
3) T 2-Methylnaphthalene (...)	6.850	332845	1.954 ug/mlm
5) T Acenaphthylene (C15.06)	8.118	315187	1.933 ug/mlm
7) T Acenaphthene (C15.5)	8.412	338048	2.011 ug/ml
8) T Flouorene (C16.55)	9.192	337172	2.027 ug/ml
9) T Phenanthrene (C19.36)	10.582	306516	1.872 ug/ml
10) T Anthracene (C19.43)	10.658	301171	2.011 ug/ml
12) T Fluoranthene (C21.85)	12.389	322166	1.942 ug/ml
13) T Pyrene (C20.8)	12.683	316041	1.942 ug/ml
14) T Benzo[a]anthracene (C...	14.552	281203	1.926 ug/mlm
15) T Chrysene (C27.41)	14.593	318578	2.022 ug/mlm
16) T benzo[b]fluoranthene ...	16.099	290261	1.943 ug/ml
17) T Bnezo[k]fluoranthene ...	16.131	314721	2.090 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.480	272795	1.891 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.844	257287	1.896 ug/ml
20) T Dibenz[a,h]anthracene...	17.886	303666	2.121 ug/ml
21) T Benzo[g,h,i]perylene ...	18.093	261323	1.903 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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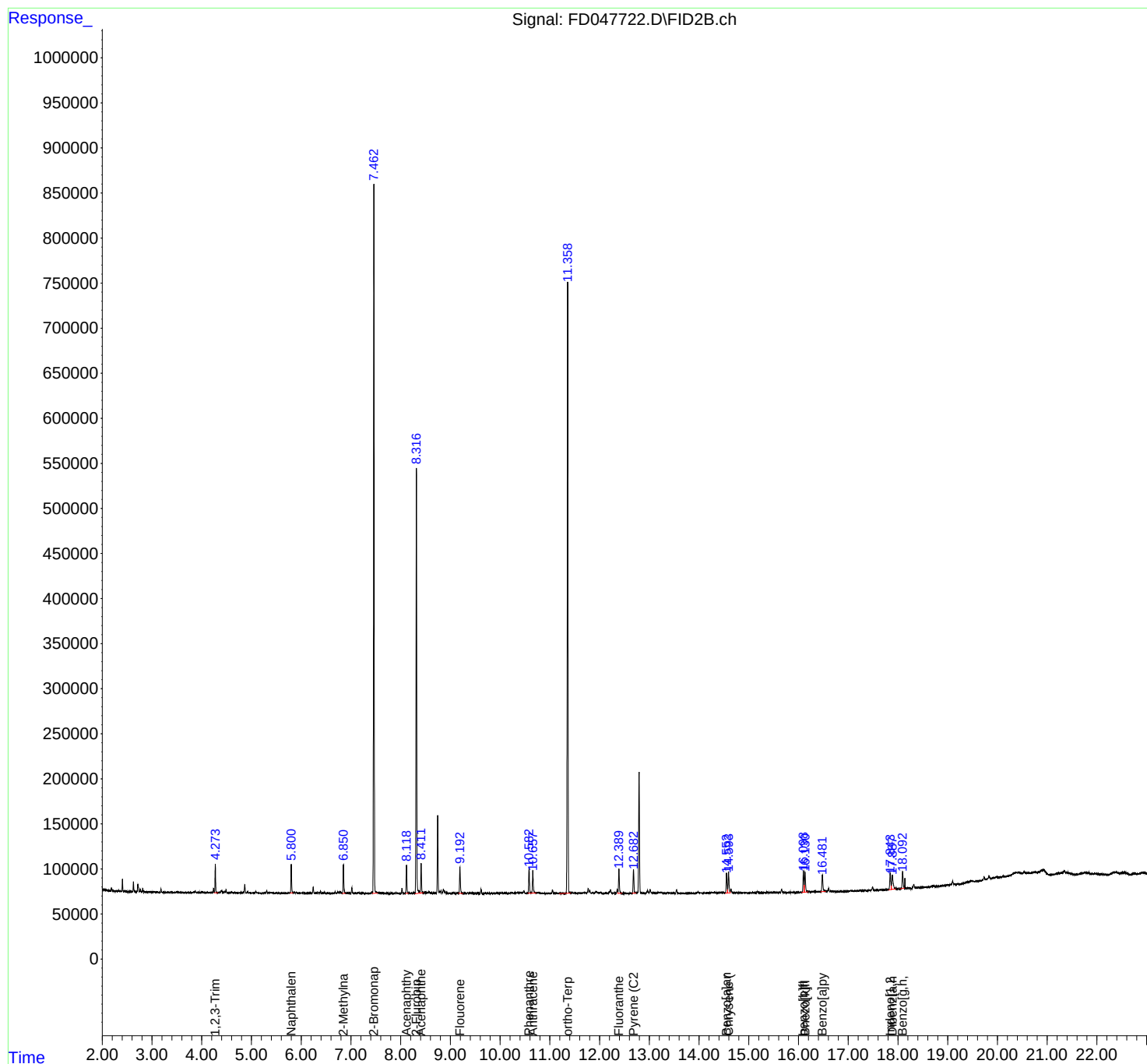
Instrument :
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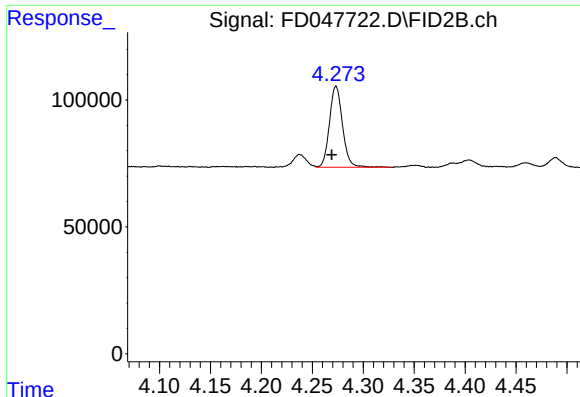
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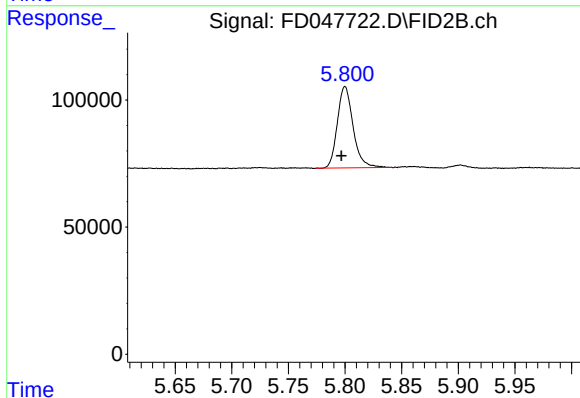
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.273 min
Delta R.T.: 0.004 min
Response: 285153
Conc: 1.76 ug/ml

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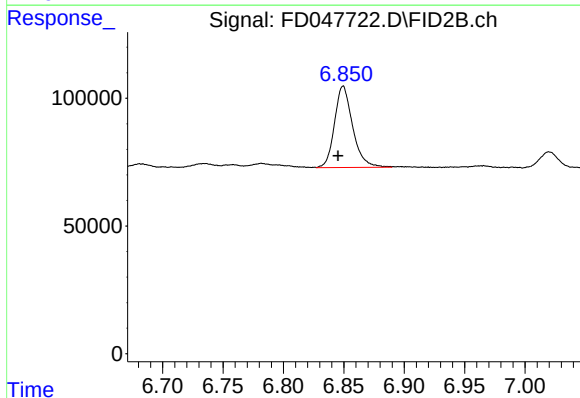
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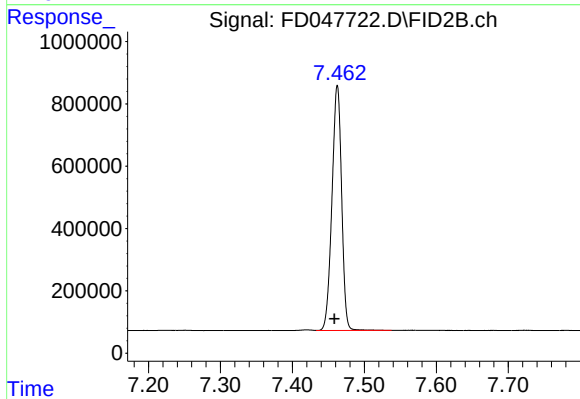
#2 Naphthalene (C11.7)

R.T.: 5.800 min
Delta R.T.: 0.003 min
Response: 309850
Conc: 1.83 ug/ml



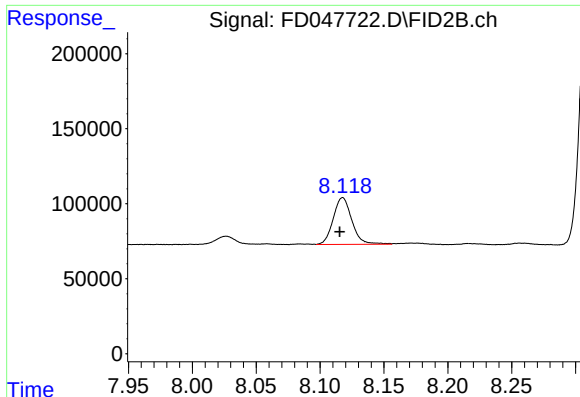
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.850 min
Delta R.T.: 0.004 min
Response: 332845
Conc: 1.95 ug/ml m



#4 2-Bromonaphthalene (SURR)

R.T.: 7.462 min
Delta R.T.: 0.004 min
Response: 7343834
Conc: 46.83 ug/ml



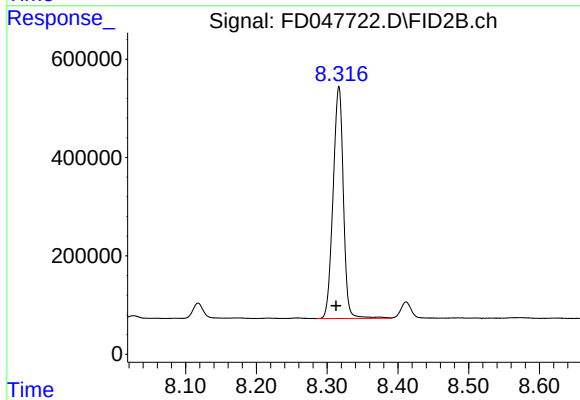
#5 Acenaphthylene (C15.06)

R.T.: 8.118 min
Delta R.T.: 0.002 min
Response: 315187
Conc: 1.93 ug/ml

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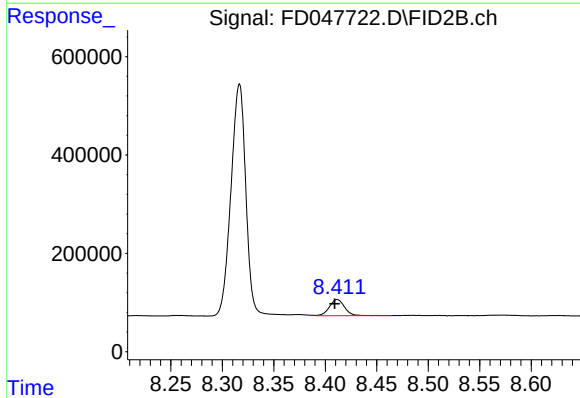
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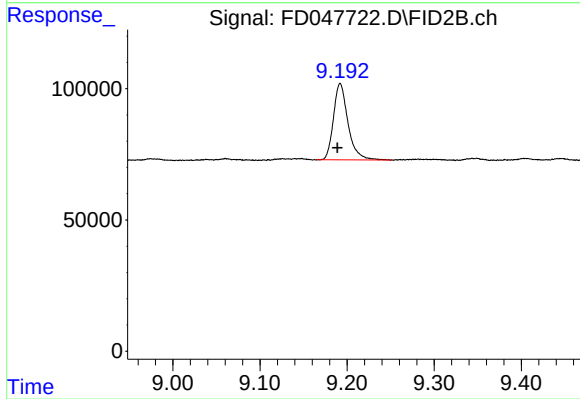
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.316 min
Delta R.T.: 0.004 min
Response: 4775115
Conc: 45.65 ug/ml



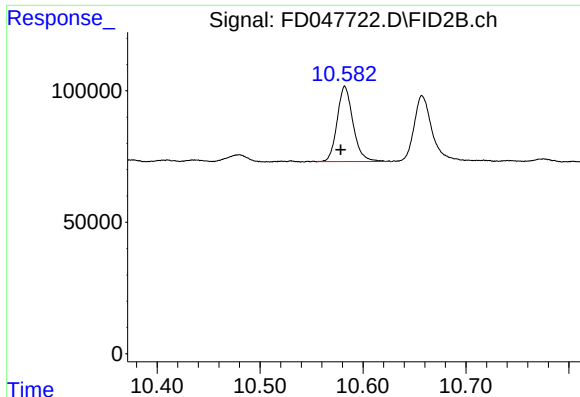
#7 Acenaphthene (C15.5)

R.T.: 8.412 min
Delta R.T.: 0.002 min
Response: 338048
Conc: 2.01 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.192 min
Delta R.T.: 0.003 min
Response: 337172
Conc: 2.03 ug/ml



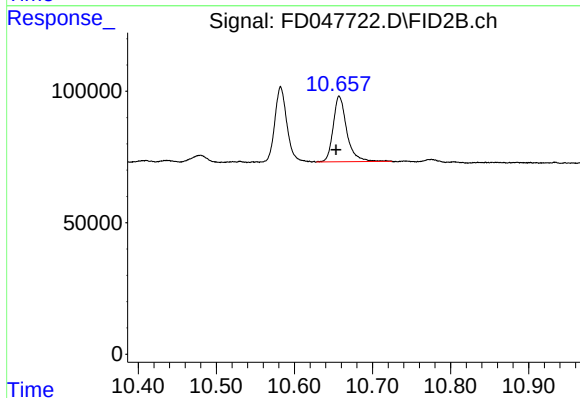
#9 Phenanthrene (C19.36)

R.T.: 10.582 min
Delta R.T.: 0.004 min
Response: 306516
Conc: 1.87 ug/ml

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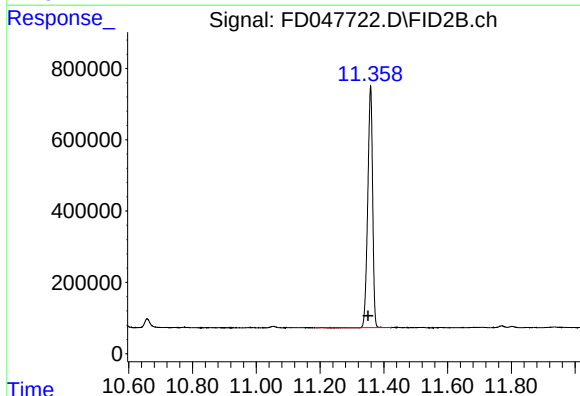
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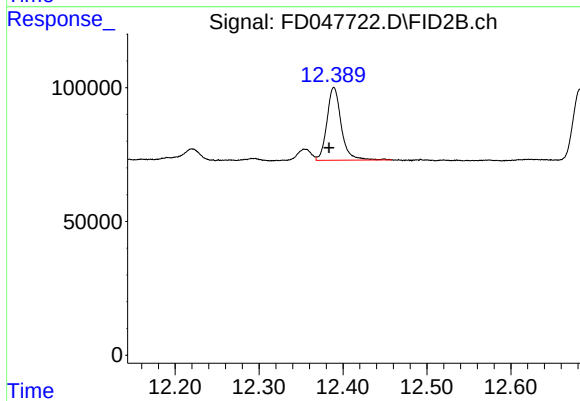
#10 Anthracene (C19.43)

R.T.: 10.658 min
Delta R.T.: 0.004 min
Response: 301171
Conc: 2.01 ug/ml



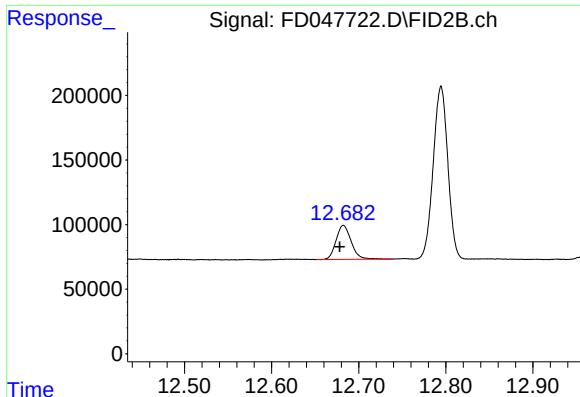
#11 ortho-Terphenyl (SURR)

R.T.: 11.358 min
Delta R.T.: 0.008 min
Response: 7217541
Conc: 38.49 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.389 min
Delta R.T.: 0.006 min
Response: 322166
Conc: 1.94 ug/ml



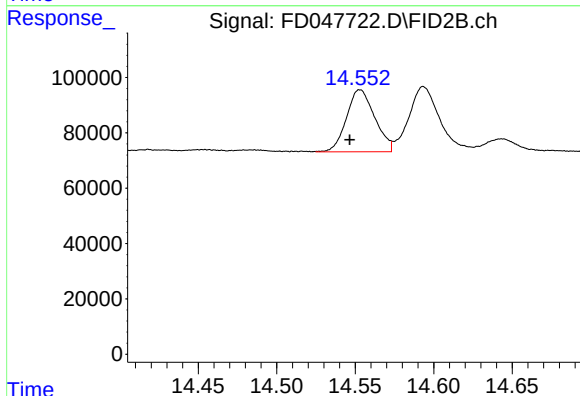
#13 Pyrene (C20.8)

R.T.: 12.683 min
Delta R.T.: 0.004 min
Response: 316041
Conc: 1.94 ug/ml

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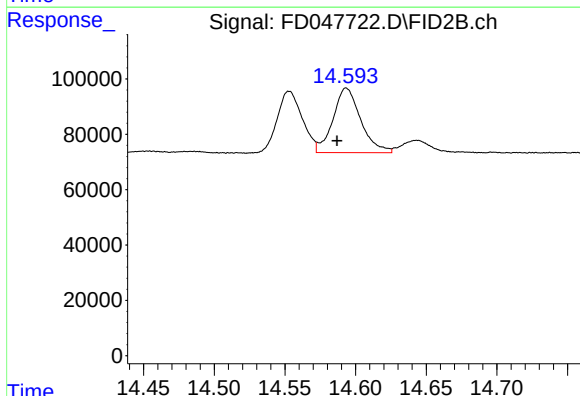
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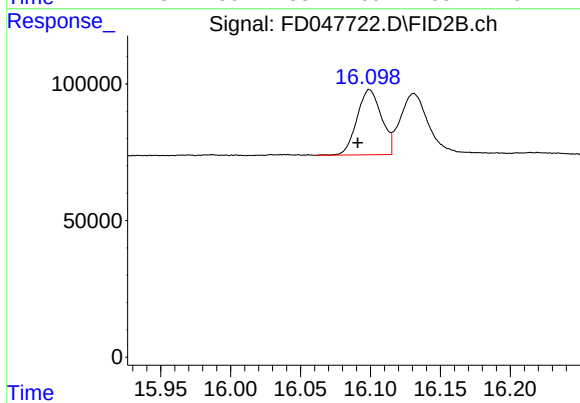
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.552 min
Delta R.T.: 0.005 min
Response: 281203
Conc: 1.93 ug/ml m



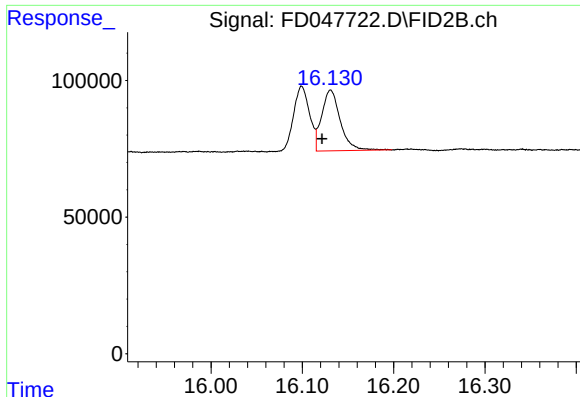
#15 Chrysene (C27.41)

R.T.: 14.593 min
Delta R.T.: 0.006 min
Response: 318578
Conc: 2.02 ug/ml m



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

R.T.: 16.099 min
Delta R.T.: 0.008 min
Response: 290261
Conc: 1.94 ug/ml



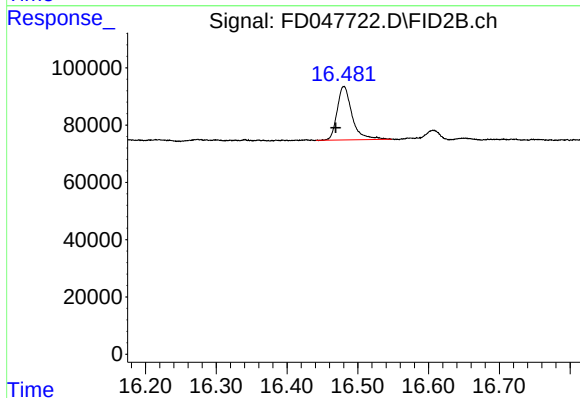
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.131 min
Delta R.T.: 0.009 min
Response: 314721
Conc: 2.09 ug/ml

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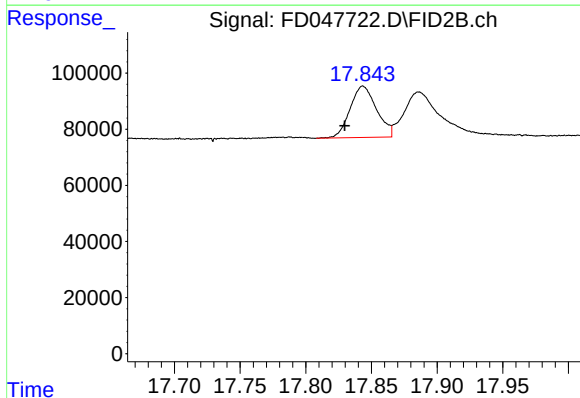
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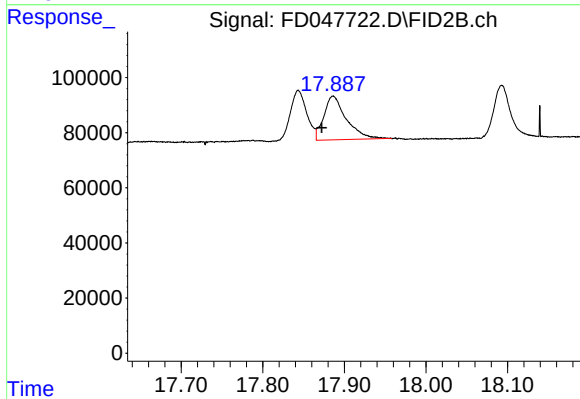
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.480 min
Delta R.T.: 0.011 min
Response: 272795
Conc: 1.89 ug/ml



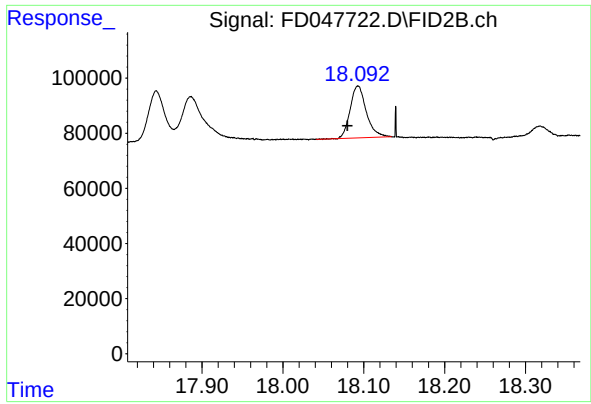
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.844 min
Delta R.T.: 0.014 min
Response: 257287
Conc: 1.90 ug/ml



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

R.T.: 17.886 min
Delta R.T.: 0.014 min
Response: 303666
Conc: 2.12 ug/ml



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

R.T.: 18.093 min
Delta R.T.: 0.013 min
Response: 261323
Conc: 1.90 ug/ml

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