

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD092022AR\
 Data File : FD043920.D
 Signal(s) : FID2B.ch
 Acq On : 20 Sep 2022 12:25
 Operator : YP/AJ
 Sample : 20 PPM AROMATIC HC STD
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 20 PPM AROMATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/21/2022
 Supervised By :Ankita Jodhani 09/22/2022

Integration File: autoint1.e
 Quant Time: Sep 21 07:11:16 2022
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 091522.M
 Quant Title : GC Extractables
 QLast Update : Wed Sep 14 19:37:45 2022
 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...	7.426	2350795	17.866 ug/ml
Spiked Amount 50.000		Recovery =	35.73%
6) S 2-Fluorobiphenyl (SURR)	8.282	1421982	19.712 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	39.42%
11) S ortho-Terphenyl (SURR)	11.314	2977375	15.982 ug/ml
Spiked Amount 50.000		Recovery =	31.96%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.232	2702374	17.982 ug/mlm
2) T Naphthalene (C11.7)	5.765	2648388	18.599 ug/mlm
3) T 2-Methylnaphthalene (...)	6.812	2697067	18.436 ug/ml
5) T Acenaphthylene (C15.06)	8.082	2566590	16.633 ug/mlm
7) T Acenaphthene (C15.5)	8.375	2818782	16.107 ug/ml
8) T Flouorene (C16.55)	9.155	2586628	17.598 ug/ml
9) T Phenanthrene (C19.36)	10.547	2429670	16.790 ug/ml
10) T Anthracene (C19.43)	10.622	2326084	15.850 ug/ml
12) T Fluoranthene (C21.85)	12.352	2405776	15.685 ug/ml
13) T Pyrene (C20.8)	12.647	2285744	15.365 ug/ml
14) T Benzo[a]anthracene (C...	14.516	2022315	18.090 ug/ml
15) T Chrysene (C27.41)	14.557	2439262	15.608 ug/ml
16) T benzo[b]fluoranthene ...	16.063	2204693	18.905 ug/ml
17) T Bnezo[k]fluoranthene ...	16.094	2416512	16.277 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.441	2255309	18.619 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.805	2140974	22.518 ug/ml
20) T Dibenz[a,h]anthracene...	17.841	2417607	20.125 ug/ml
21) T Benzo[g,h,i]perylene ...	18.057	2312553	20.293 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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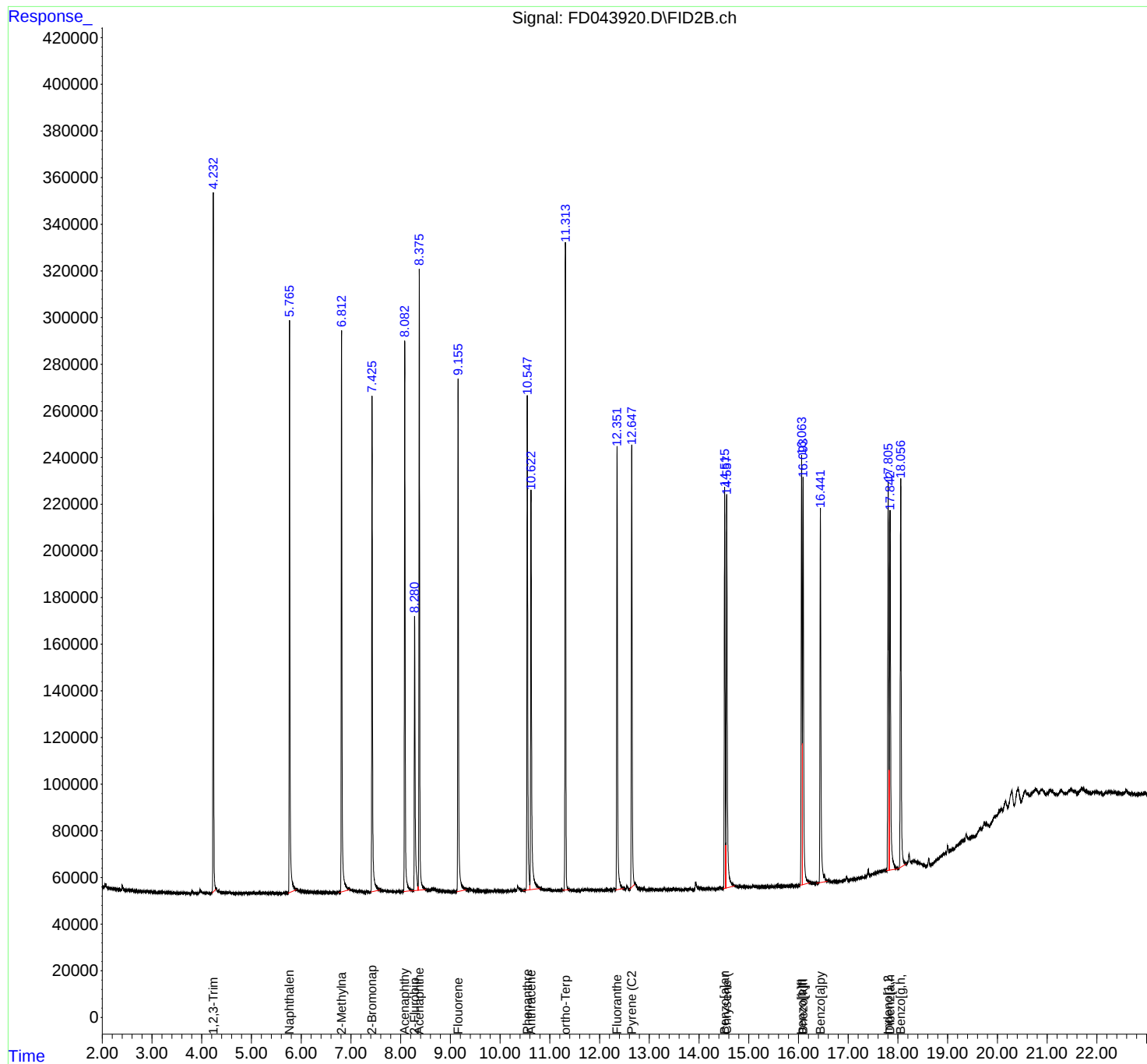
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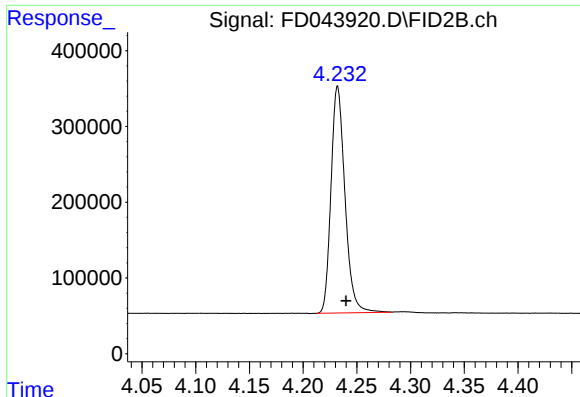
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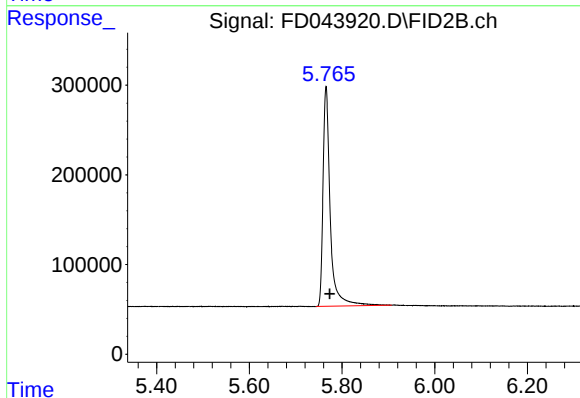
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.232 min
Delta R.T.: -0.008 min
Response: 2702374
Conc: 17.98 ug/ml

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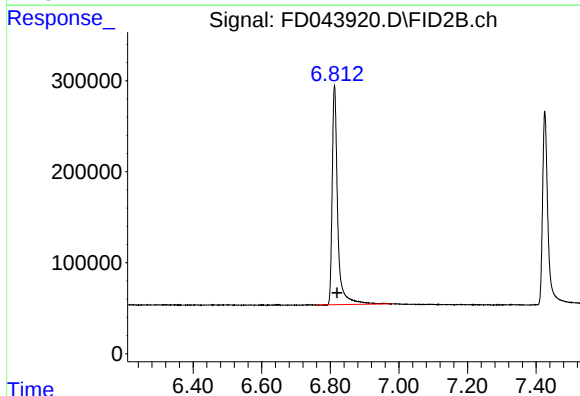
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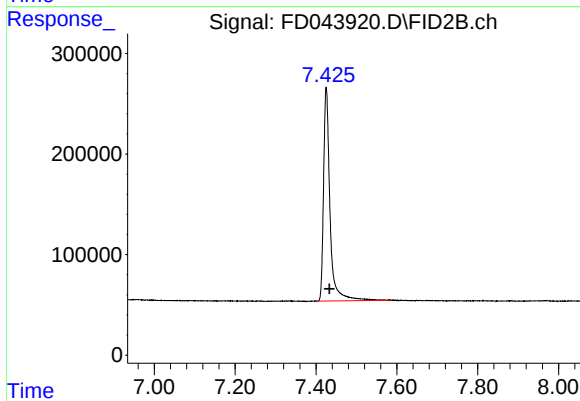
#2 Naphthalene (C11.7)

R.T.: 5.765 min
Delta R.T.: -0.008 min
Response: 2648388
Conc: 18.60 ug/ml m



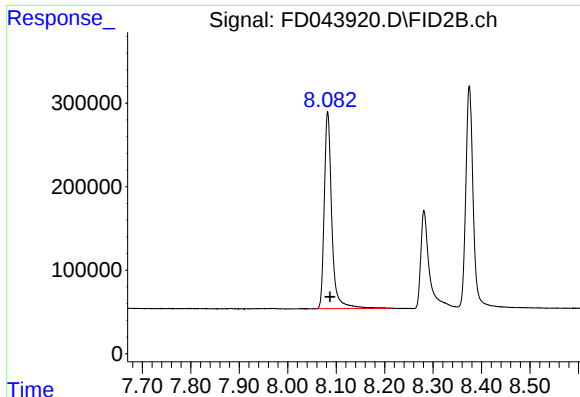
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.812 min
Delta R.T.: -0.007 min
Response: 2697067
Conc: 18.44 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.426 min
Delta R.T.: -0.007 min
Response: 2350795
Conc: 17.87 ug/ml



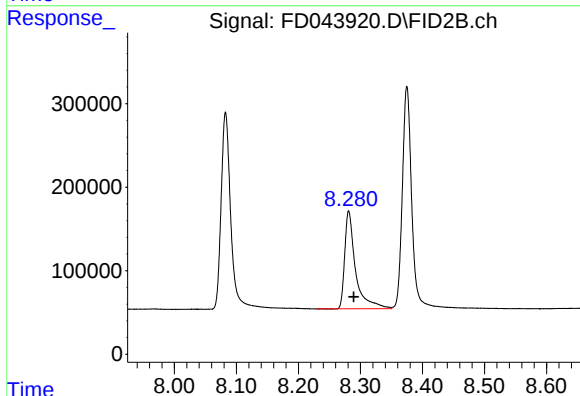
#5 Acenaphthylene (C15.06)

R.T.: 8.082 min
Delta R.T.: -0.006 min
Response: 2566590
Conc: 16.63 ug/ml

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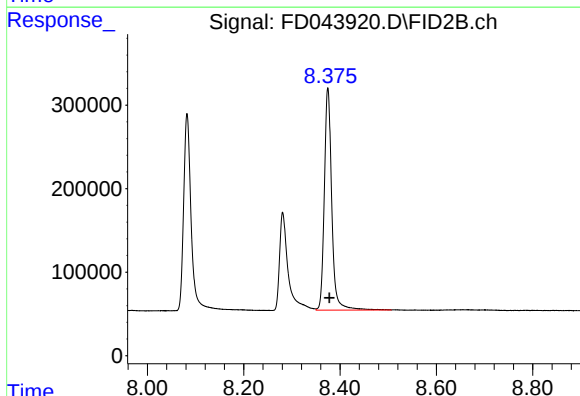
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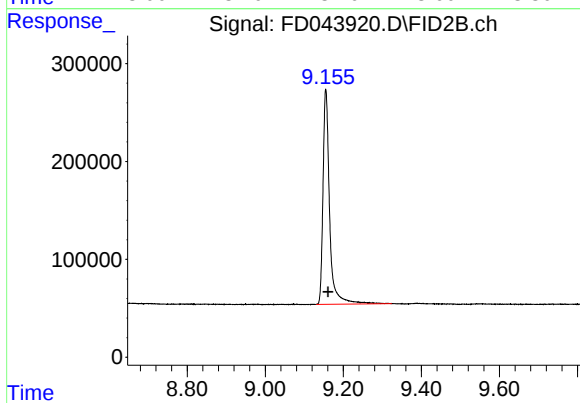
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.282 min
Delta R.T.: -0.008 min
Response: 1421982
Conc: 19.71 ug/ml



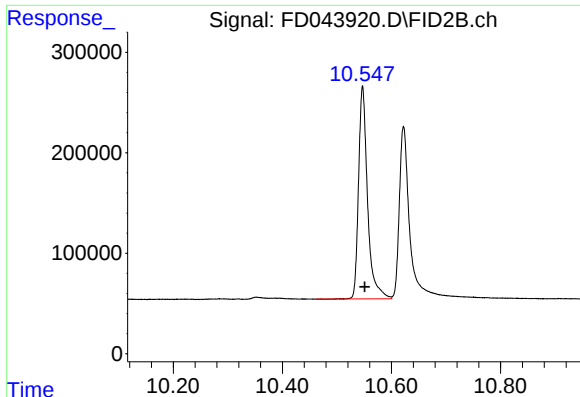
#7 Acenaphthene (C15.5)

R.T.: 8.375 min
Delta R.T.: -0.003 min
Response: 2818782
Conc: 16.11 ug/ml



#8 Fluorene (C16.55)

R.T.: 9.155 min
Delta R.T.: -0.005 min
Response: 2586628
Conc: 17.60 ug/ml



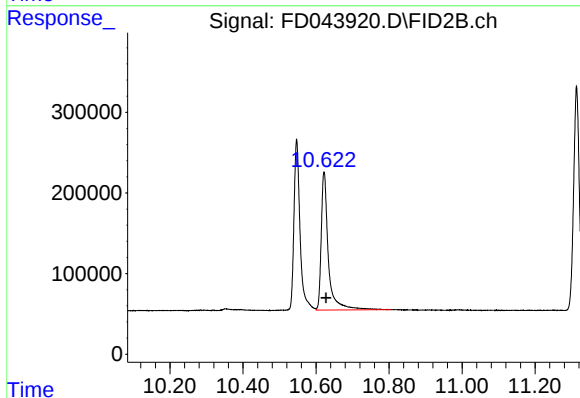
#9 Phenanthrene (C19.36)

R.T.: 10.547 min
Delta R.T.: -0.004 min
Response: 2429670
Conc: 16.79 ug/ml

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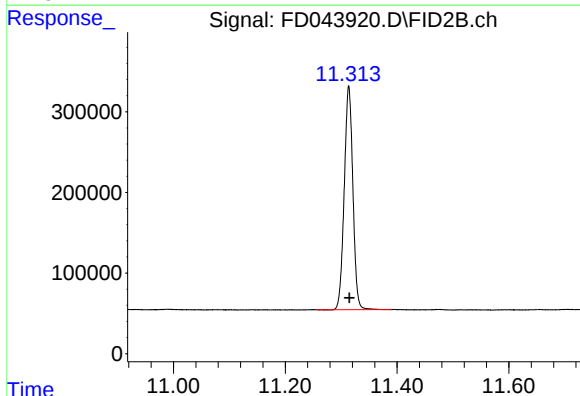
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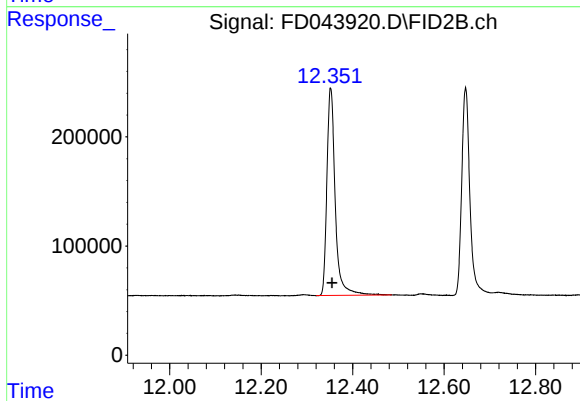
#10 Anthracene (C19.43)

R.T.: 10.622 min
Delta R.T.: -0.005 min
Response: 2326084
Conc: 15.85 ug/ml



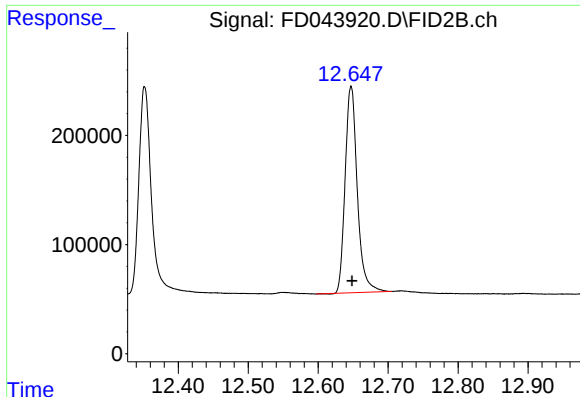
#11 ortho-Terphenyl (SURR)

R.T.: 11.314 min
Delta R.T.: -0.001 min
Response: 2977375
Conc: 15.98 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.352 min
Delta R.T.: -0.003 min
Response: 2405776
Conc: 15.69 ug/ml



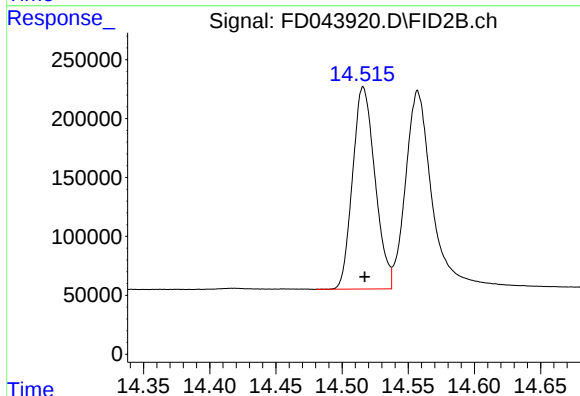
#13 Pyrene (C20.8)

R.T.: 12.647 min
Delta R.T.: -0.002 min
Response: 2285744
Conc: 15.37 ug/ml

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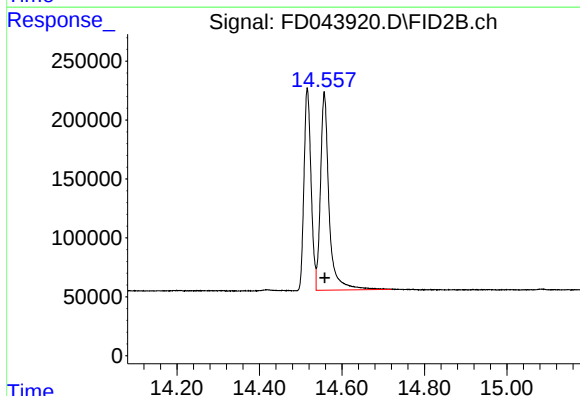
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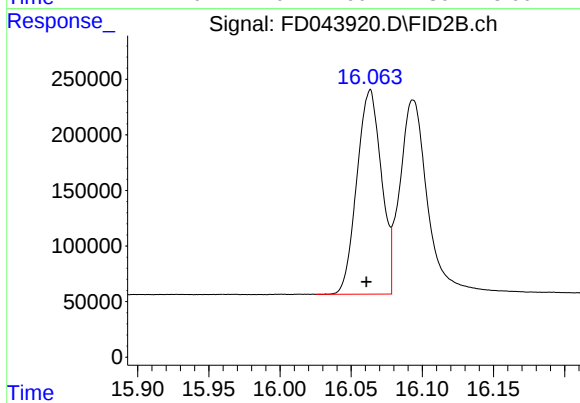
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.516 min
Delta R.T.: 0.000 min
Response: 2022315
Conc: 18.09 ug/ml



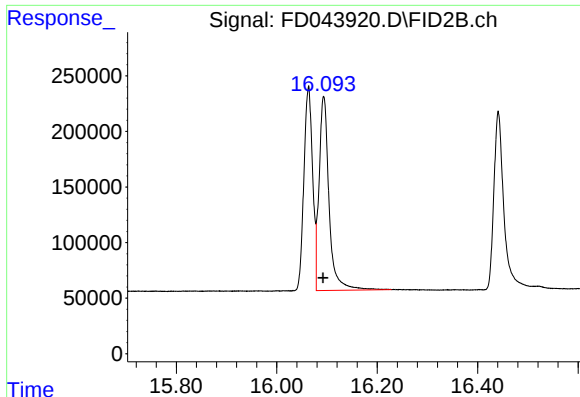
#15 Chrysene (C27.41)

R.T.: 14.557 min
Delta R.T.: 0.000 min
Response: 2439262
Conc: 15.61 ug/ml



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

R.T.: 16.063 min
Delta R.T.: 0.002 min
Response: 2204693
Conc: 18.91 ug/ml



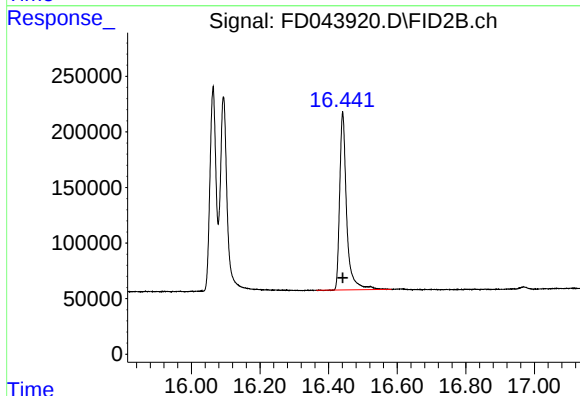
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.094 min
Delta R.T.: 0.001 min
Response: 2416512
Conc: 16.28 ug/ml

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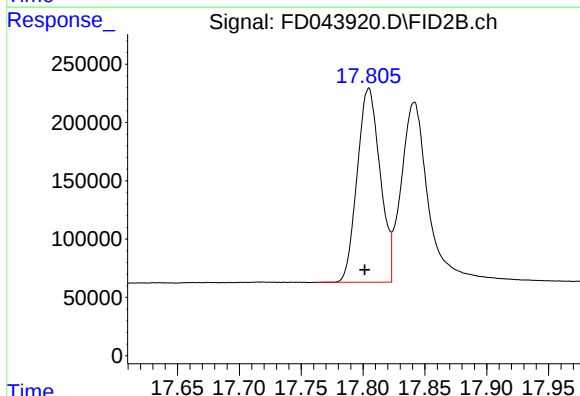
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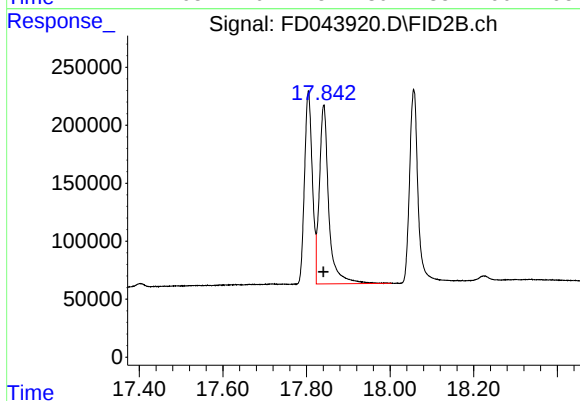
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.441 min
Delta R.T.: 0.000 min
Response: 2255309
Conc: 18.62 ug/ml



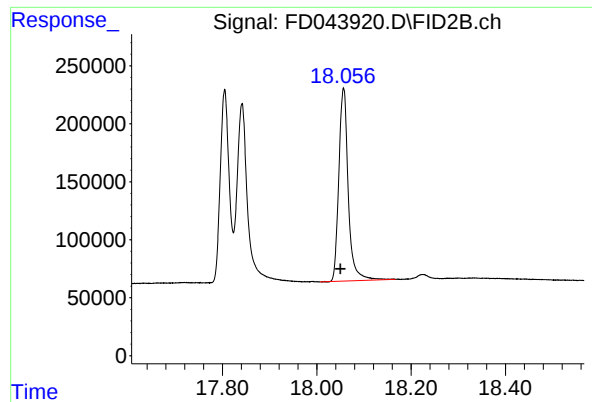
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.805 min
Delta R.T.: 0.003 min
Response: 2140974
Conc: 22.52 ug/ml



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

R.T.: 17.841 min
Delta R.T.: 0.000 min
Response: 2417607
Conc: 20.12 ug/ml



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

R.T.: 18.057 min
Delta R.T.: 0.006 min
Response: 2312553
Conc: 20.29 ug/ml

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