

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD092822AR\
 Data File : FD043987.D
 Signal(s) : FID2B.ch
 Acq On : 28 Sep 2022 16:18
 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 09/29/2022
 Supervised By :Ankita Jodhani 09/29/2022

Integration File: autoint1.e
 Quant Time: Sep 29 03:42:53 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...	7.420	2592404	19.702 ug/ml
Spiked Amount 50.000		Recovery =	39.40%
6) S 2-Fluorobiphenyl (SURR)	8.275	1563672	21.676 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	43.35%
11) S ortho-Terphenyl (SURR)	11.305	3402818	18.266 ug/ml
Spiked Amount 50.000		Recovery =	36.53%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.225	2969199	19.757 ug/mlm
2) T Naphthalene (C11.7)	5.759	2829918	19.873 ug/mlm
3) T 2-Methylnaphthalene (...)	6.806	2943729	20.122 ug/ml
5) T Acenaphthylene (C15.06)	8.075	2779351	18.012 ug/mlm
7) T Acenaphthene (C15.5)	8.367	3144752	17.969 ug/ml
8) T Flouorene (C16.55)	9.147	2863593	19.482 ug/mlm
9) T Phenanthrene (C19.36)	10.540	2762124	19.087 ug/ml
10) T Anthracene (C19.43)	10.616	2376762	16.195 ug/ml
12) T Fluoranthene (C21.85)	12.344	2722132	17.748 ug/ml
13) T Pyrene (C20.8)	12.638	2674967	17.982 ug/ml
14) T Benzo[a]anthracene (C...	14.507	2140535	19.148 ug/ml
15) T Chrysene (C27.41)	14.548	2664326	17.048 ug/ml
16) T benzo[b]fluoranthene ...	16.052	2287892	19.619 ug/ml
17) T Bnezo[k]fluoranthene ...	16.083	2561933	17.256 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.431	2166404	17.885 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.792	2096098	22.046 ug/ml
20) T Dibenz[a,h]anthracene...	17.830	2492851	20.751 ug/ml
21) T Benzo[g,h,i]perylene ...	18.043	2353861	20.656 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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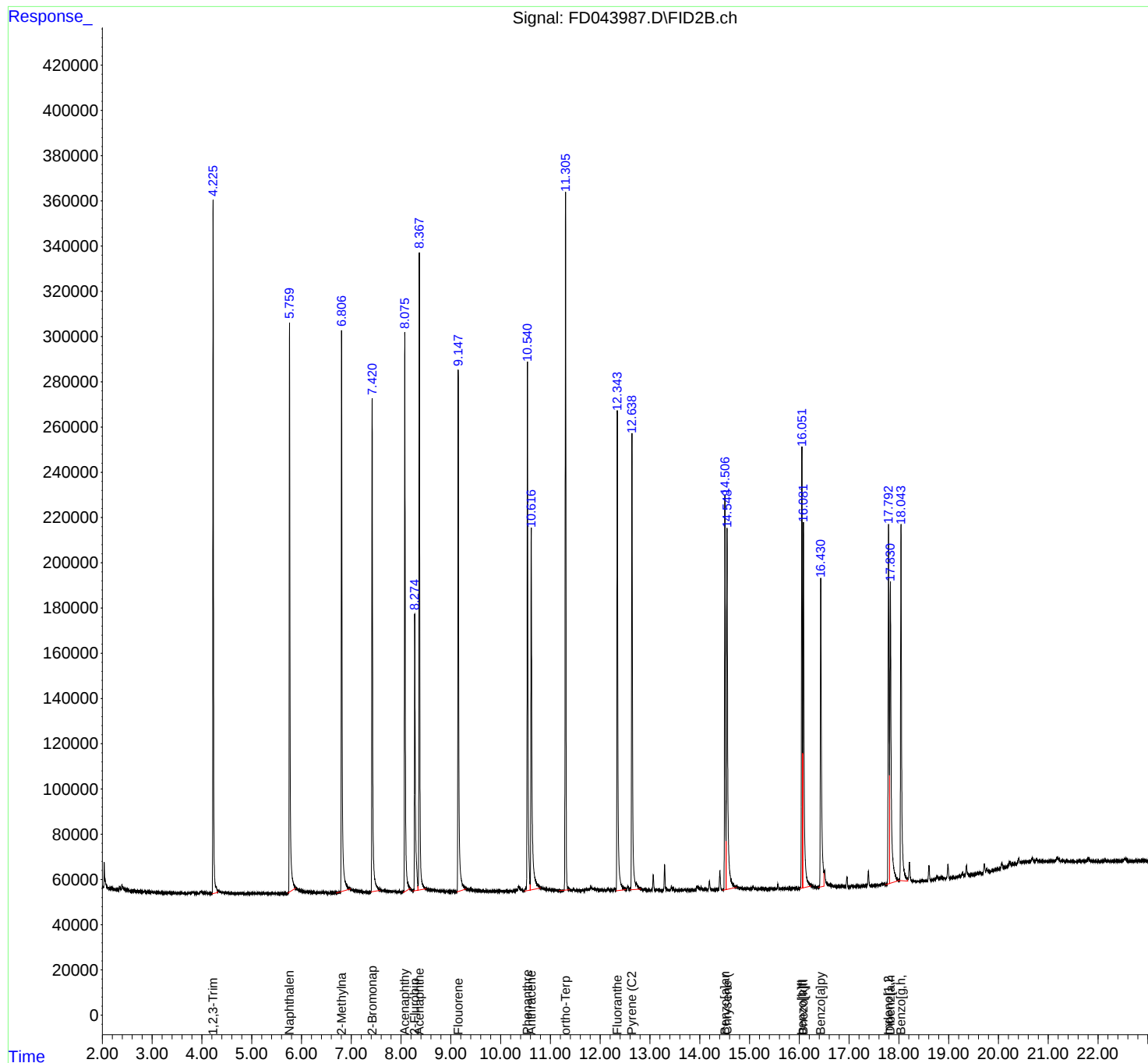
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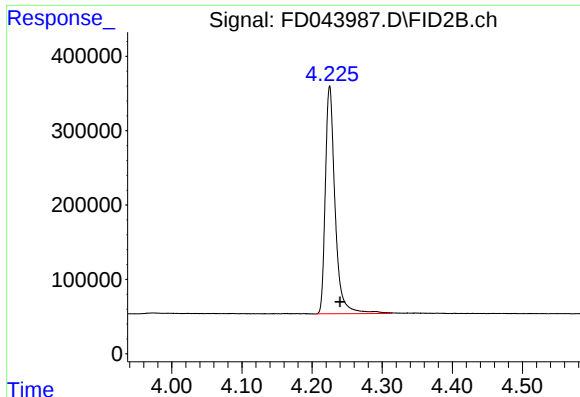
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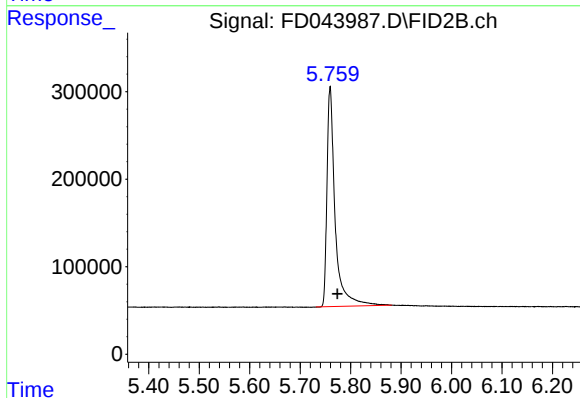
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.225 min
Delta R.T.: -0.015 min
Response: 2969199
Conc: 19.76 ug/ml

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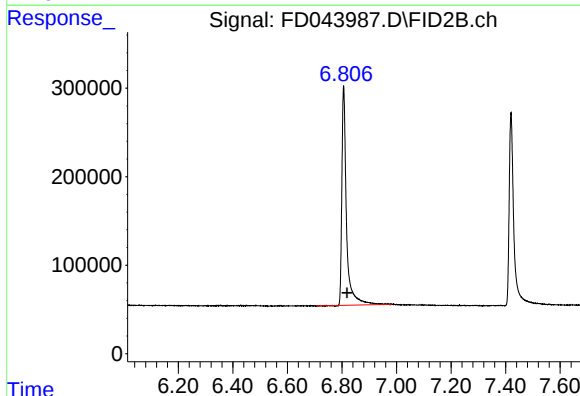
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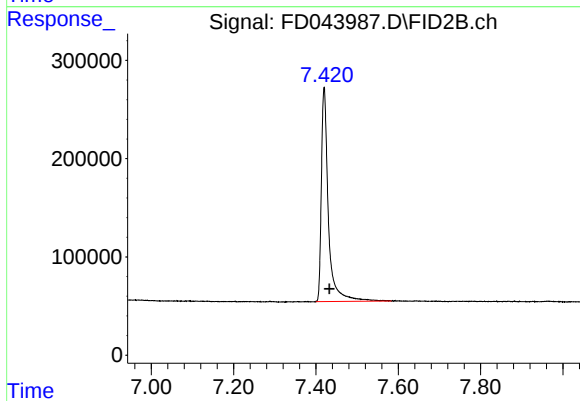
#2 Naphthalene (C11.7)

R.T.: 5.759 min
Delta R.T.: -0.014 min
Response: 2829918
Conc: 19.87 ug/ml m



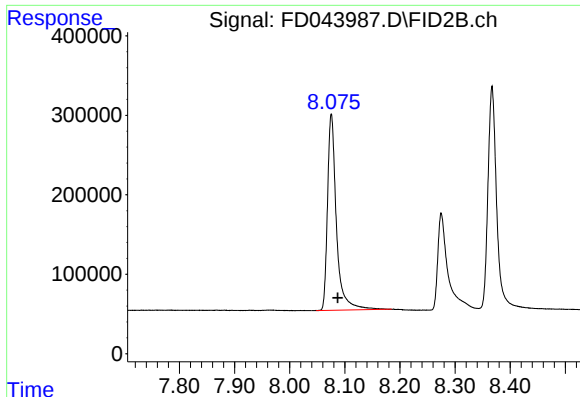
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.806 min
Delta R.T.: -0.013 min
Response: 2943729
Conc: 20.12 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.420 min
Delta R.T.: -0.013 min
Response: 2592404
Conc: 19.70 ug/ml



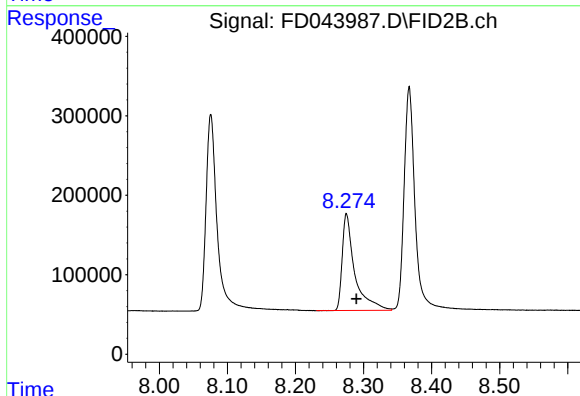
#5 Acenaphthylene (C15.06)

R.T.: 8.075 min
Delta R.T.: -0.012 min
Response: 2779351
Conc: 18.01 ug/ml

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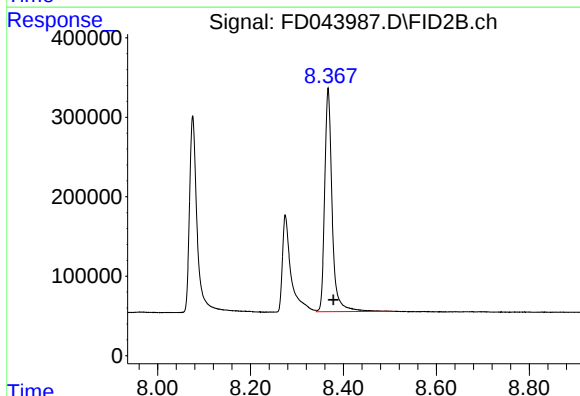
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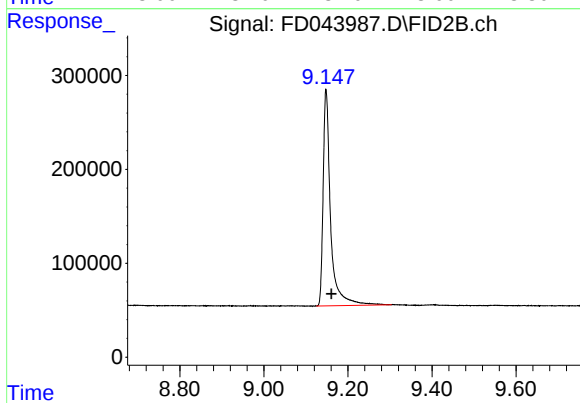
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.275 min
Delta R.T.: -0.014 min
Response: 1563672
Conc: 21.68 ug/ml



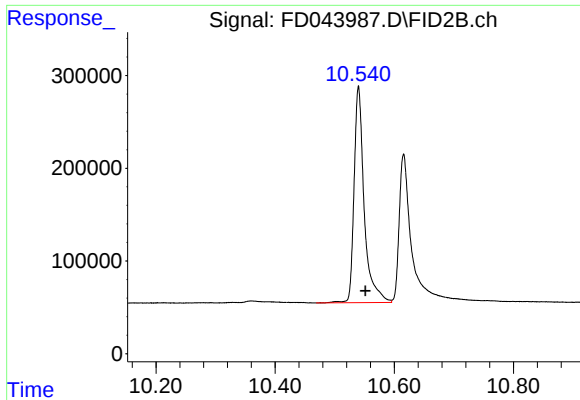
#7 Acenaphthene (C15.5)

R.T.: 8.367 min
Delta R.T.: -0.011 min
Response: 3144752
Conc: 17.97 ug/ml



#8 Fluorene (C16.55)

R.T.: 9.147 min
Delta R.T.: -0.013 min
Response: 2863593
Conc: 19.48 ug/ml m



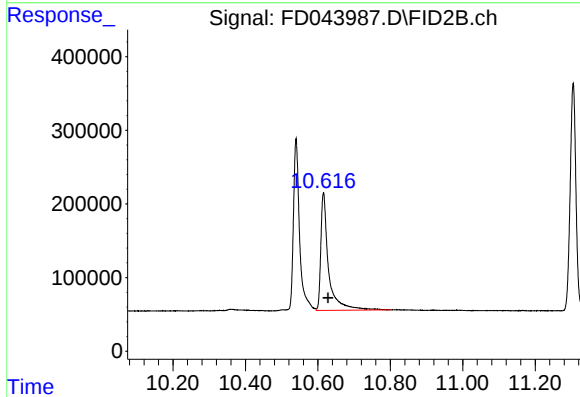
#9 Phenanthrene (C19.36)

R.T.: 10.540 min
Delta R.T.: -0.011 min
Response: 2762124
Conc: 19.09 ug/ml

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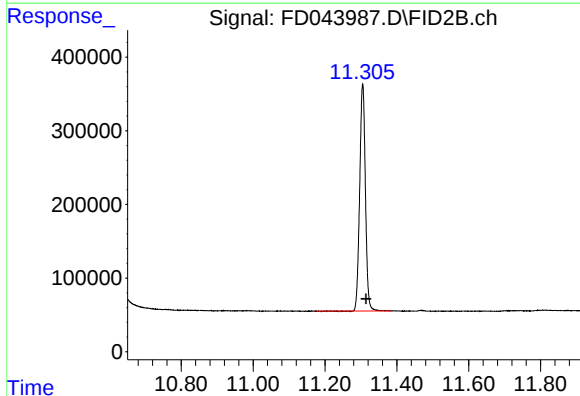
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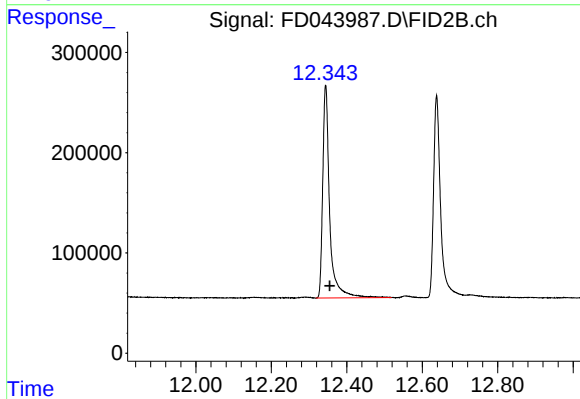
#10 Anthracene (C19.43)

R.T.: 10.616 min
Delta R.T.: -0.012 min
Response: 2376762
Conc: 16.20 ug/ml



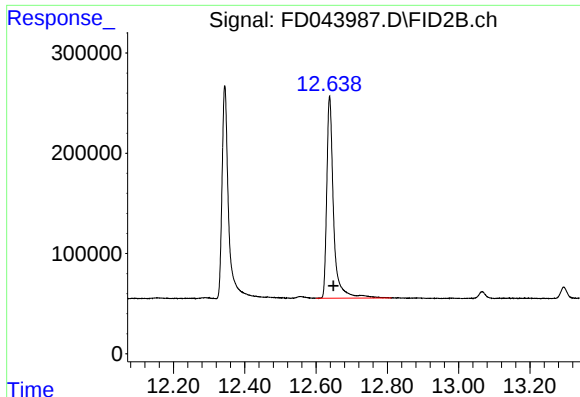
#11 ortho-Terphenyl (SURR)

R.T.: 11.305 min
Delta R.T.: -0.010 min
Response: 3402818
Conc: 18.27 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.344 min
Delta R.T.: -0.011 min
Response: 2722132
Conc: 17.75 ug/ml



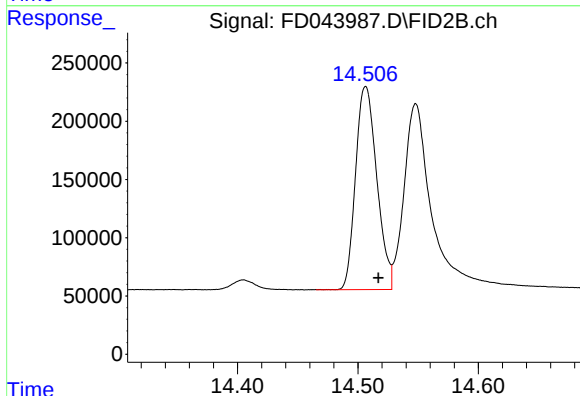
#13 Pyrene (C20.8)

R.T.: 12.638 min
Delta R.T.: -0.010 min
Response: 2674967
Conc: 17.98 ug/ml

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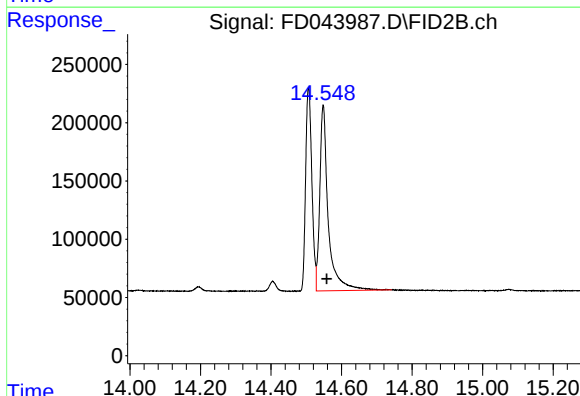
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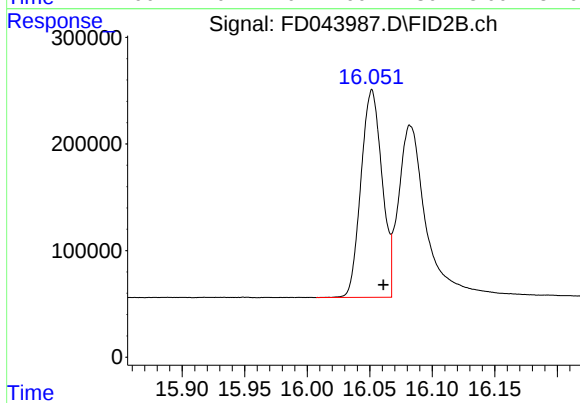
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.507 min
Delta R.T.: -0.011 min
Response: 2140535
Conc: 19.15 ug/ml



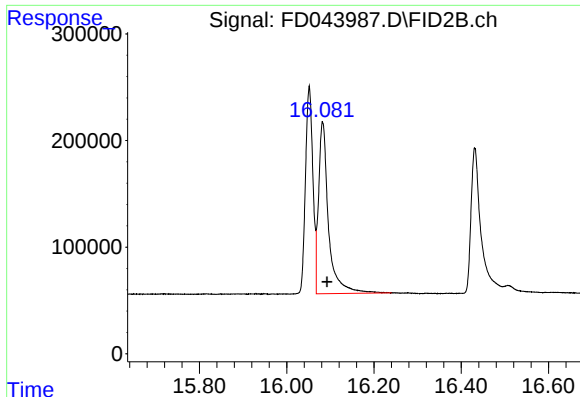
#15 Chrysene (C27.41)

R.T.: 14.548 min
Delta R.T.: -0.010 min
Response: 2664326
Conc: 17.05 ug/ml



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

R.T.: 16.052 min
Delta R.T.: -0.009 min
Response: 2287892
Conc: 19.62 ug/ml



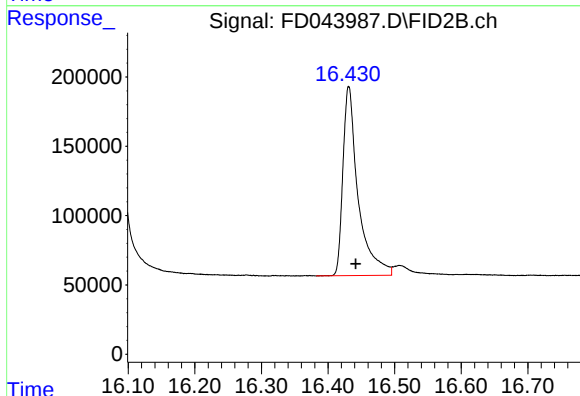
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.083 min
Delta R.T.: -0.010 min
Response: 2561933
Conc: 17.26 ug/ml

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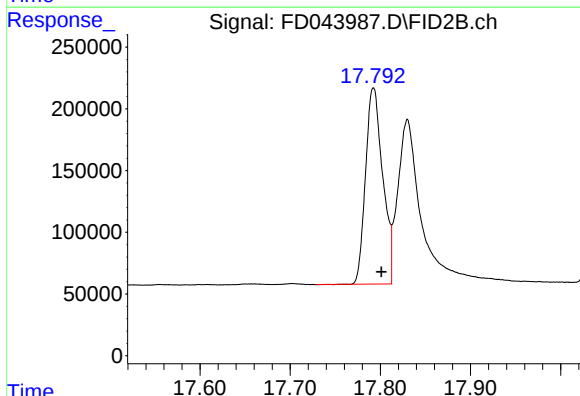
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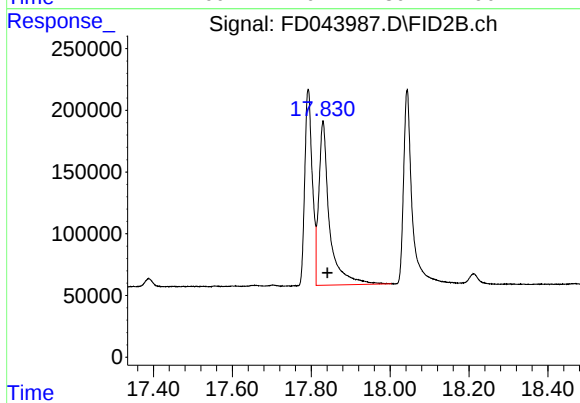
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.431 min
Delta R.T.: -0.010 min
Response: 2166404
Conc: 17.89 ug/ml



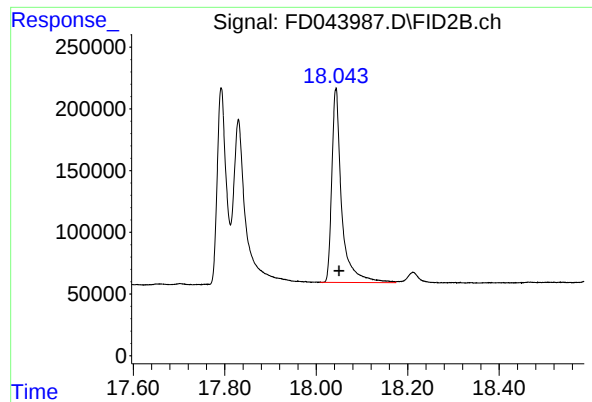
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.792 min
Delta R.T.: -0.009 min
Response: 2096098
Conc: 22.05 ug/ml



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

R.T.: 17.830 min
Delta R.T.: -0.011 min
Response: 2492851
Conc: 20.75 ug/ml



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

R.T.: 18.043 min
Delta R.T.: -0.007 min
Response: 2353861
Conc: 20.66 ug/ml

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