

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD092022AR\
 Data File : FD043930.D
 Signal(s) : FID2B.ch
 Acq On : 21 Sep 2022 12:24
 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 09/22/2022
 Supervised By :Ankita Jodhani 09/22/2022

Integration File: autoint1.e
 Quant Time: Sep 21 13:11:52 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...	7.425	2408020	18.301 ug/ml
Spiked Amount 50.000		Recovery =	36.60%
6) S 2-Fluorobiphenyl (SURR)	8.281	1434148	19.881 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	39.76%
11) S ortho-Terphenyl (SURR)	11.312	3011154	16.164 ug/ml
Spiked Amount 50.000		Recovery =	32.33%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.232	2759877	18.364 ug/mlm
2) T Naphthalene (C11.7)	5.764	2621468	18.410 ug/mlm
3) T 2-Methylnaphthalene (...)	6.811	2767216	18.916 ug/ml
5) T Acenaphthylene (C15.06)	8.081	2566253	16.631 ug/mlm
7) T Acenaphthene (C15.5)	8.374	2880608	16.460 ug/ml
8) T Flouorene (C16.55)	9.154	2593577	17.645 ug/ml
9) T Phenanthrene (C19.36)	10.546	2442101	16.876 ug/ml
10) T Anthracene (C19.43)	10.621	2321645	15.820 ug/ml
12) T Fluoranthene (C21.85)	12.350	2448769	15.966 ug/ml
13) T Pyrene (C20.8)	12.645	2289745	15.392 ug/ml
14) T Benzo[a]anthracene (C...	14.514	2018004	18.052 ug/ml
15) T Chrysene (C27.41)	14.556	2448638	15.668 ug/ml
16) T benzo[b]fluoranthene ...	16.061	2205003	18.908 ug/ml
17) T Bnezo[k]fluoranthene ...	16.091	2413218	16.254 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.439	2279856	18.822 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.803	2092841	22.012 ug/ml
20) T Dibenz[a,h]anthracene...	17.839	2434510	20.265 ug/ml
21) T Benzo[g,h,i]perylene ...	18.054	2318354	20.344 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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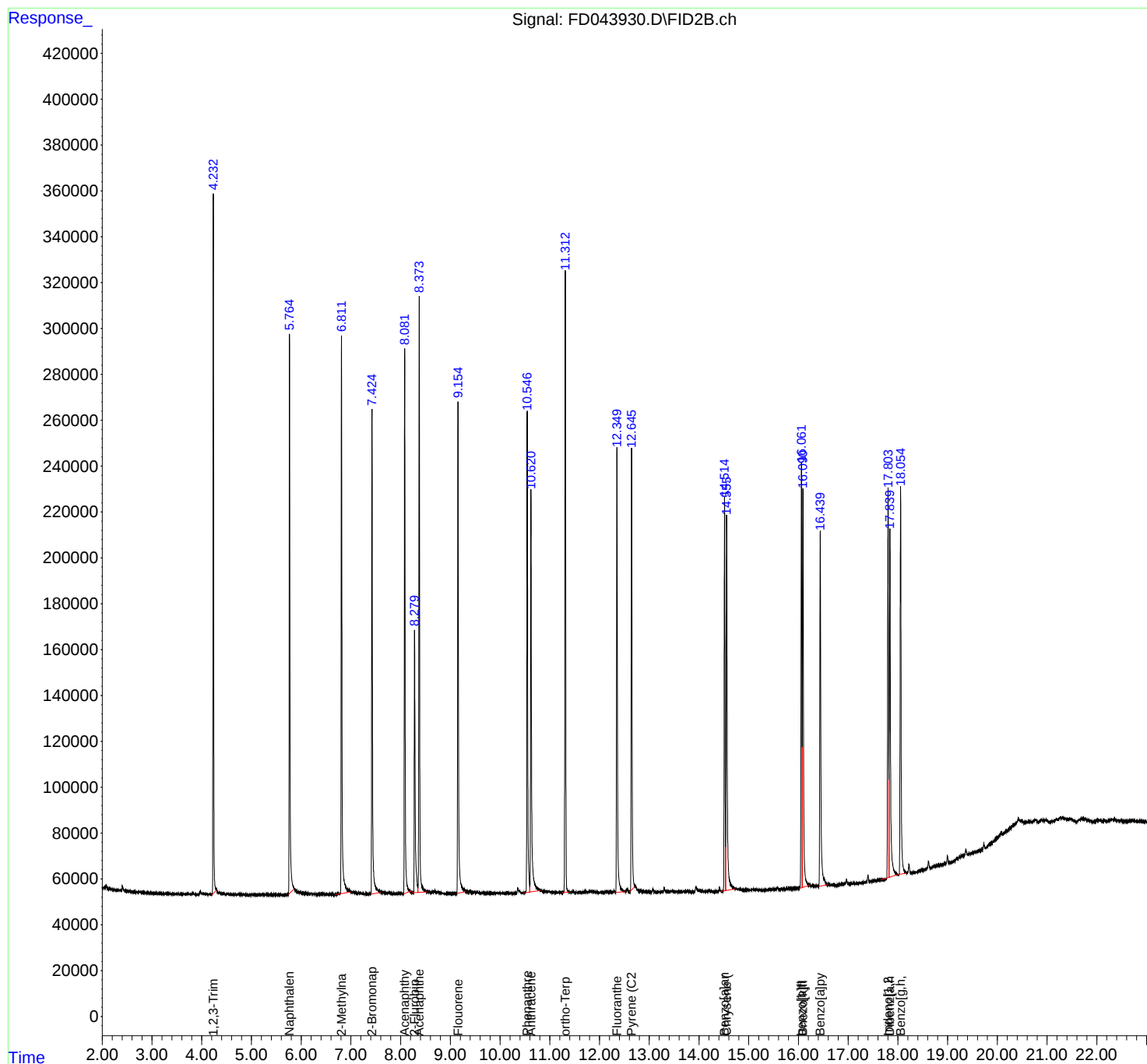
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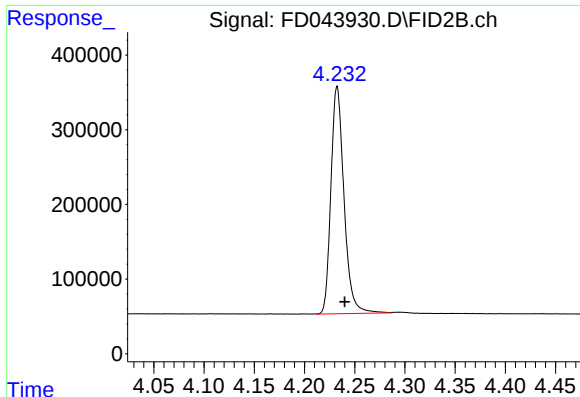
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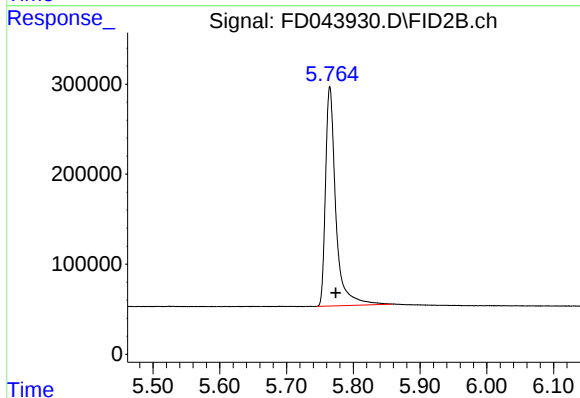
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.232 min
Delta R.T.: -0.008 min
Response: 2759877
Conc: 18.36 ug/ml

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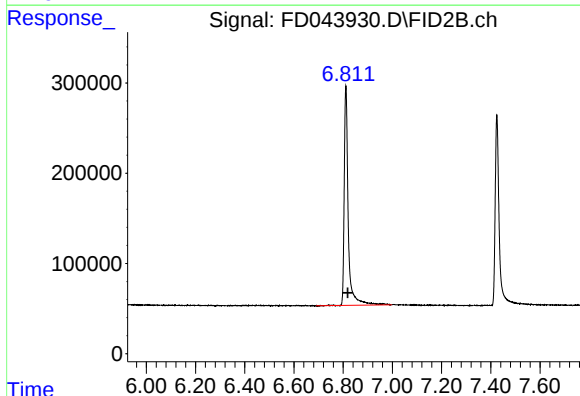
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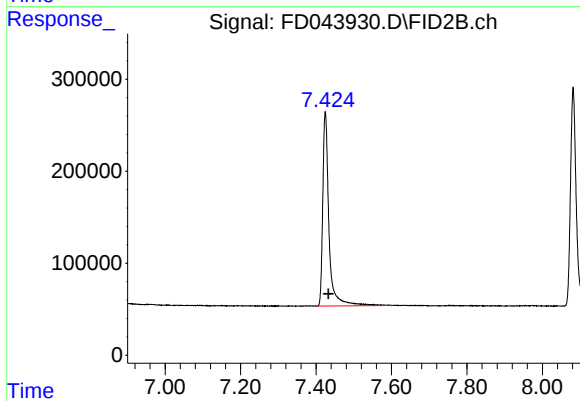
#2 Naphthalene (C11.7)

R.T.: 5.764 min
Delta R.T.: -0.009 min
Response: 2621468
Conc: 18.41 ug/ml m



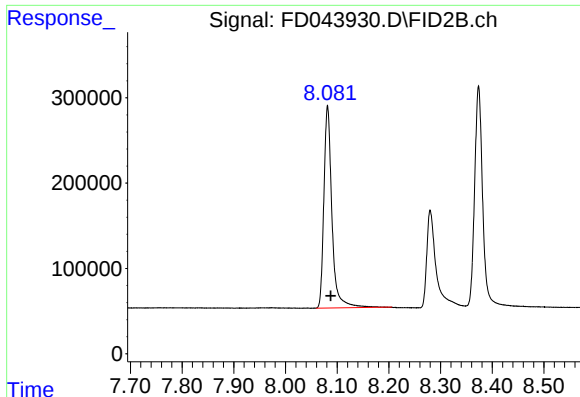
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.811 min
Delta R.T.: -0.008 min
Response: 2767216
Conc: 18.92 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.425 min
Delta R.T.: -0.008 min
Response: 2408020
Conc: 18.30 ug/ml



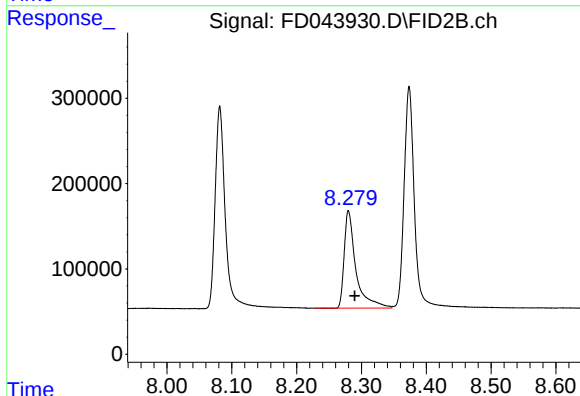
#5 Acenaphthylene (C15.06)

R.T.: 8.081 min
Delta R.T.: -0.006 min
Response: 2566253
Conc: 16.63 ug/ml

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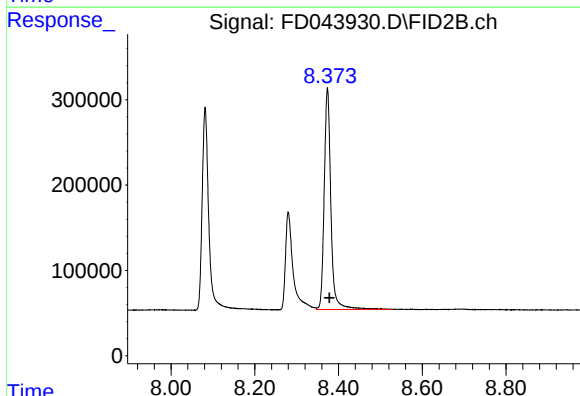
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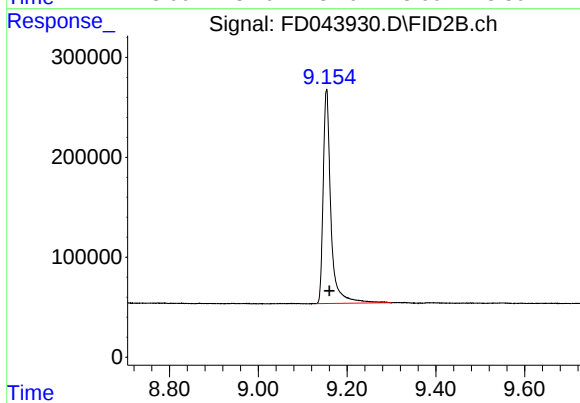
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.281 min
Delta R.T.: -0.009 min
Response: 1434148
Conc: 19.88 ug/ml



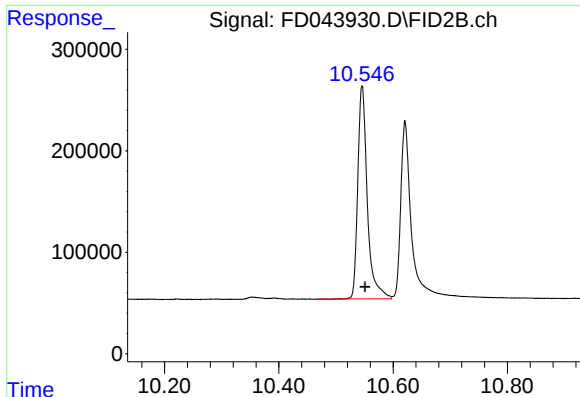
#7 Acenaphthene (C15.5)

R.T.: 8.374 min
Delta R.T.: -0.005 min
Response: 2880608
Conc: 16.46 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.154 min
Delta R.T.: -0.007 min
Response: 2593577
Conc: 17.65 ug/ml



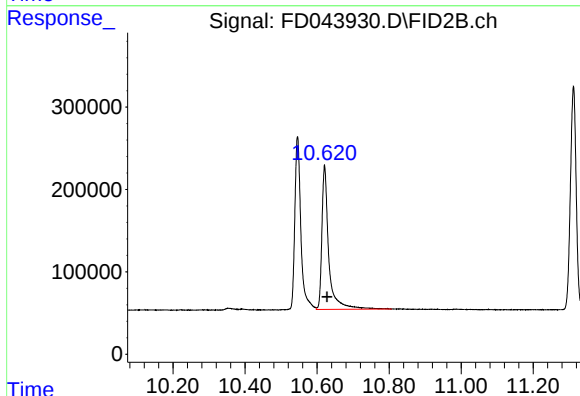
#9 Phenanthrene (C19.36)

R.T.: 10.546 min
Delta R.T.: -0.005 min
Response: 2442101
Conc: 16.88 ug/ml

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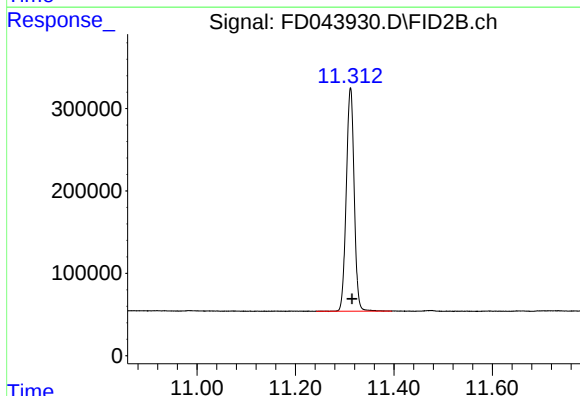
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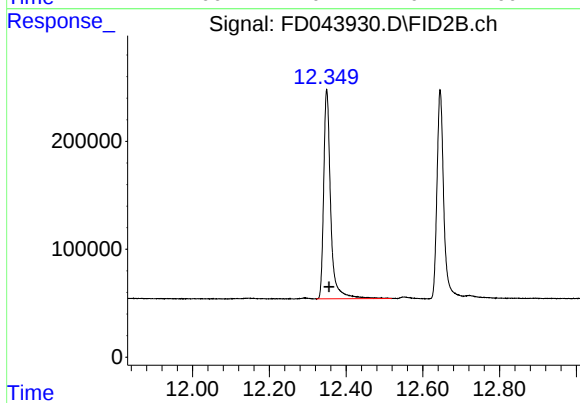
#10 Anthracene (C19.43)

R.T.: 10.621 min
Delta R.T.: -0.007 min
Response: 2321645
Conc: 15.82 ug/ml



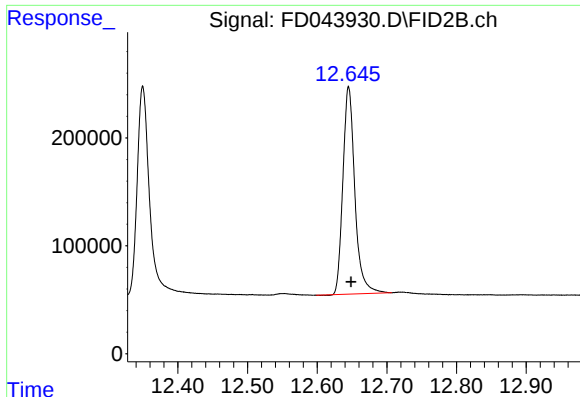
#11 ortho-Terphenyl (SURR)

R.T.: 11.312 min
Delta R.T.: -0.003 min
Response: 3011154
Conc: 16.16 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.350 min
Delta R.T.: -0.005 min
Response: 2448769
Conc: 15.97 ug/ml



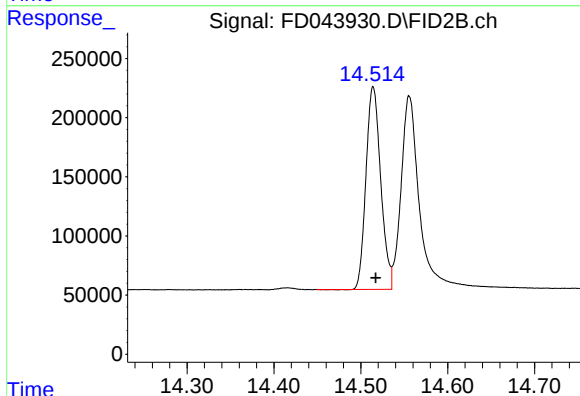
#13 Pyrene (C20.8)

R.T.: 12.645 min
Delta R.T.: -0.003 min
Response: 2289745
Conc: 15.39 ug/ml

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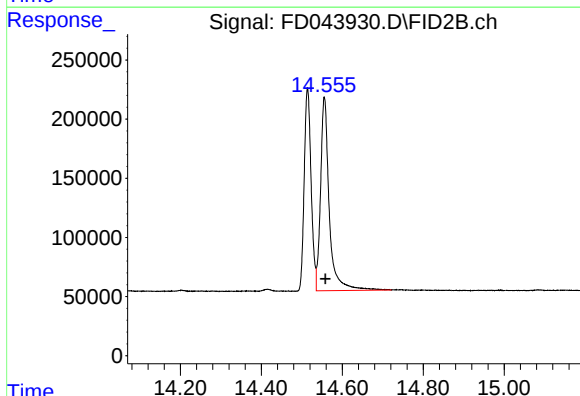
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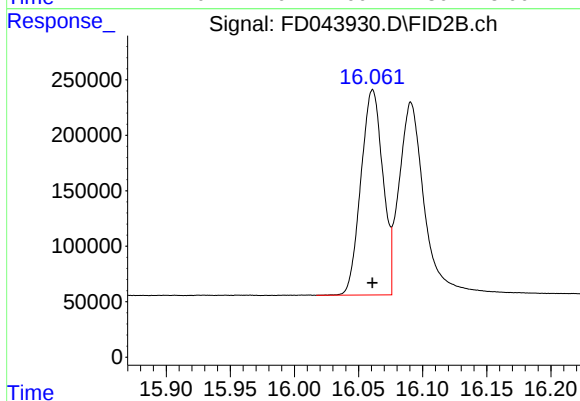
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.514 min
Delta R.T.: -0.003 min
Response: 2018004
Conc: 18.05 ug/ml



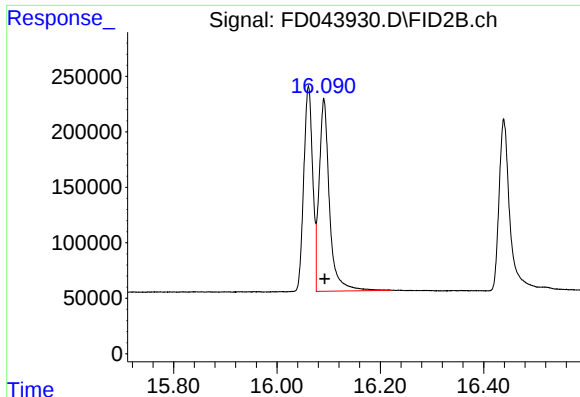
#15 Chrysene (C27.41)

R.T.: 14.556 min
Delta R.T.: -0.002 min
Response: 2448638
Conc: 15.67 ug/ml



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

R.T.: 16.061 min
Delta R.T.: 0.000 min
Response: 2205003
Conc: 18.91 ug/ml



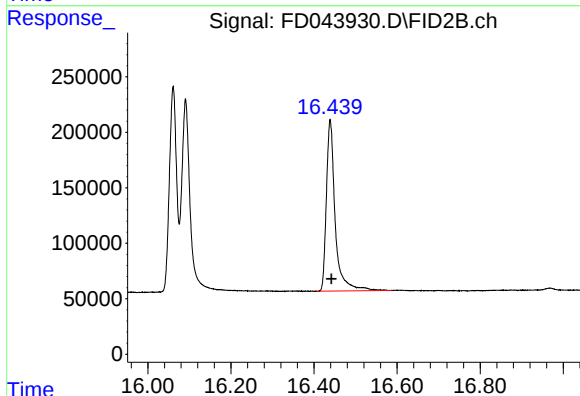
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.091 min
Delta R.T.: -0.002 min
Response: 2413218
Conc: 16.25 ug/ml

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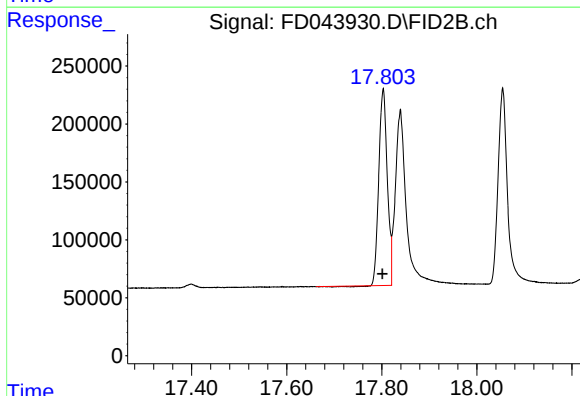
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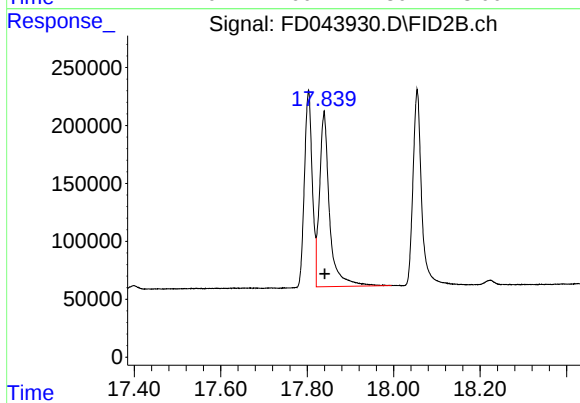
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.439 min
Delta R.T.: -0.003 min
Response: 2279856
Conc: 18.82 ug/ml



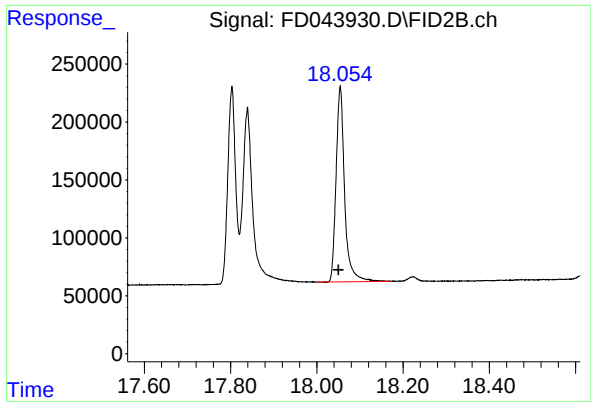
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.803 min
Delta R.T.: 0.002 min
Response: 2092841
Conc: 22.01 ug/ml



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

R.T.: 17.839 min
Delta R.T.: -0.002 min
Response: 2434510
Conc: 20.27 ug/ml



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

R.T.: 18.054 min
Delta R.T.: 0.004 min
Response: 2318354
Conc: 20.34 ug/ml

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