

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD022323AR\
 Data File : FD045161.D
 Signal(s) : FID2B.ch
 Acq On : 24 Feb 2023 14:55
 Operator : YP/AJ
 Sample : 01627-09
 Misc : 2.5 PPM WATER MDL
 ALS Vial : 80 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 MDL-WATER-03-QT1-2023

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 02/27/2023
 Supervised By :Ankita Jodhani 02/27/2023

Integration File: autoint1.e
 Quant Time: Feb 25 03:01:28 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 022123.M
 Quant Title : GC Extractables
 QLast Update : Wed Feb 22 04:55:52 2023
 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...	7.556	5879919	43.841 ug/ml
Spiked Amount 50.000		Recovery =	87.68%
6) S 2-Fluorobiphenyl (SURR)	8.413	3854956	43.014 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	86.03%
11) S ortho-Terphenyl (SURR)	11.452	5855228	34.813 ug/ml
Spiked Amount 50.000		Recovery =	69.63%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.365	284519	1.900 ug/ml
2) T Naphthalene (C11.7)	5.895	325563	2.074 ug/ml
3) T 2-Methylnaphthalene (...)	6.943	321246	2.053 ug/ml
5) T Acenaphthylene (C15.06)	8.214	299880	2.100 ug/ml
7) T Acenaphthene (C15.5)	8.509	306375	2.032 ug/ml
8) T Fluorene (C16.55)	9.286	328955	2.232 ug/ml
9) T Phenanthrene (C19.36)	10.676	300724	2.077 ug/ml
10) T Anthracene (C19.43)	10.750	303559	2.242 ug/ml
12) T Fluoranthene (C21.85)	12.480	316446	2.208 ug/ml
13) T Pyrene (C20.8)	12.775	301979	2.157 ug/ml
14) T Benzo[a]anthracene (C...	14.639	281838	2.215 ug/mlm
15) T Chrysene (C27.41)	14.679	295463	2.231 ug/mlm
16) T benzo[b]fluoranthene ...	16.177	279149	2.128 ug/mlm
17) T Bnezo[k]fluoranthene ...	16.210	279111	2.152 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.553	245903	1.916 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.909	265094	2.111 ug/mlm
20) T Dibenz[a,h]anthracene...	17.953	279136	2.282 ug/ml
21) T Benzo[g,h,i]perylene ...	18.161	267711	2.110 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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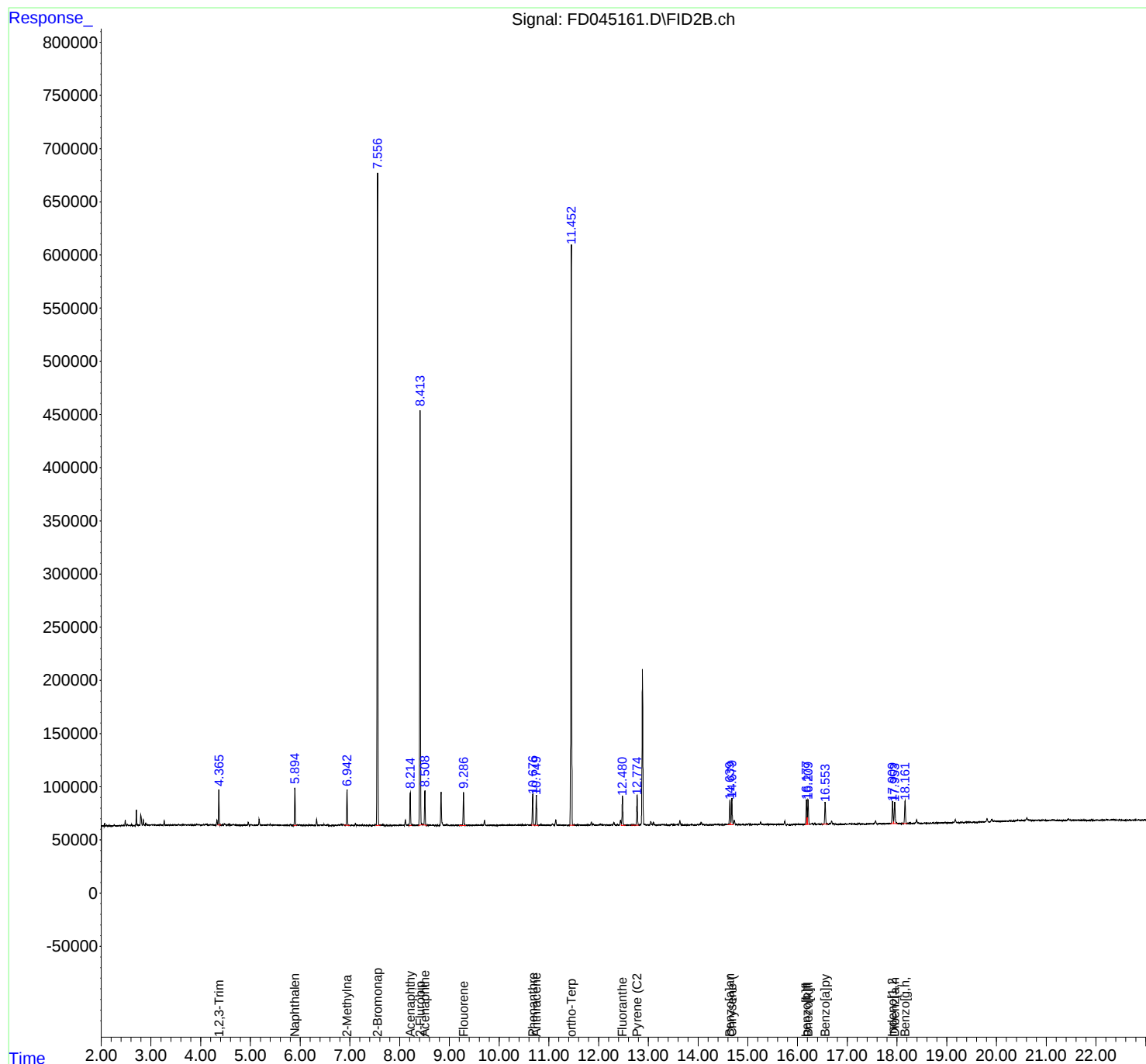
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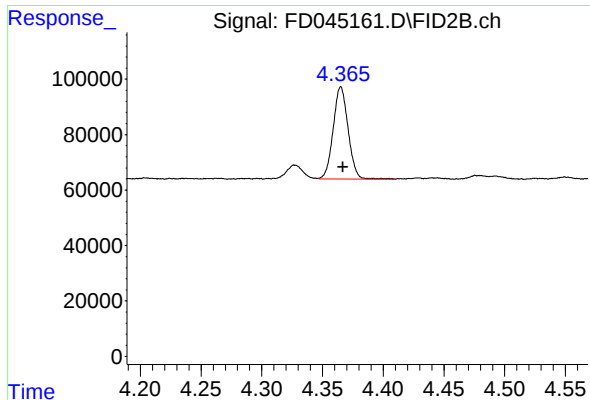
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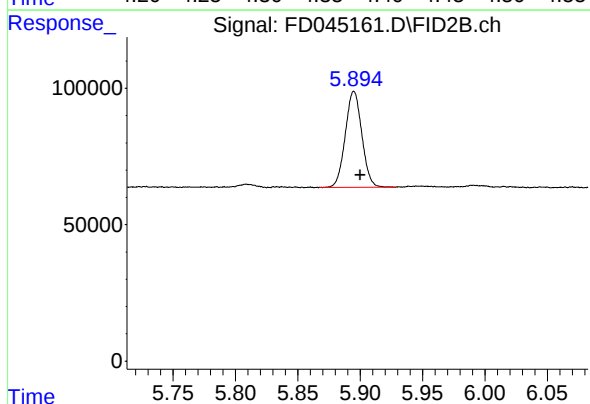
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.365 min
Delta R.T.: -0.002 min
Response: 284519
Conc: 1.90 ug/ml

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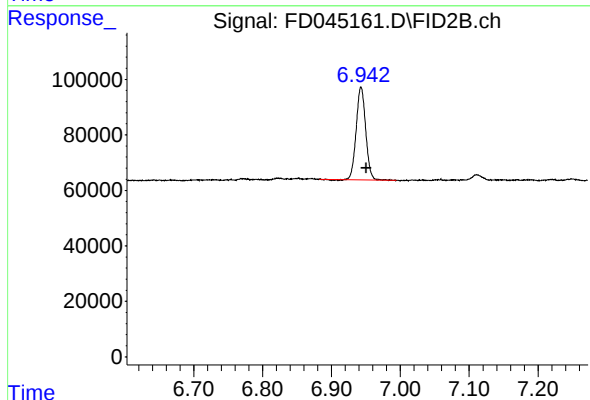
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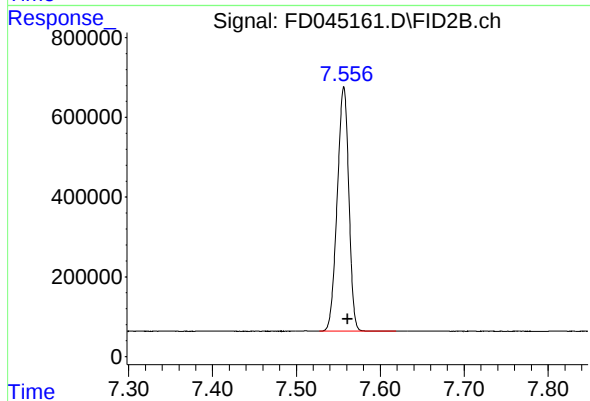
#2 Naphthalene (C11.7)

R.T.: 5.895 min
Delta R.T.: -0.005 min
Response: 325563
Conc: 2.07 ug/ml



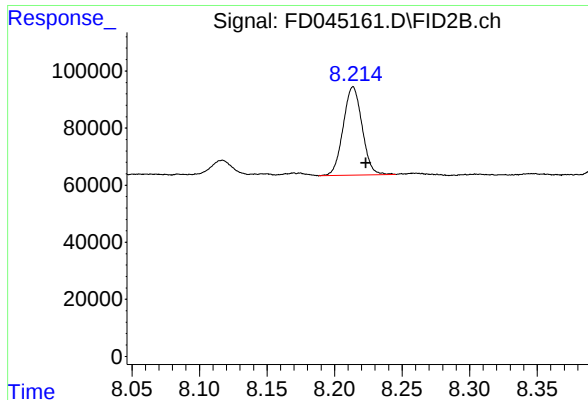
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.943 min
Delta R.T.: -0.008 min
Response: 321246
Conc: 2.05 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.556 min
Delta R.T.: -0.005 min
Response: 5879919
Conc: 43.84 ug/ml



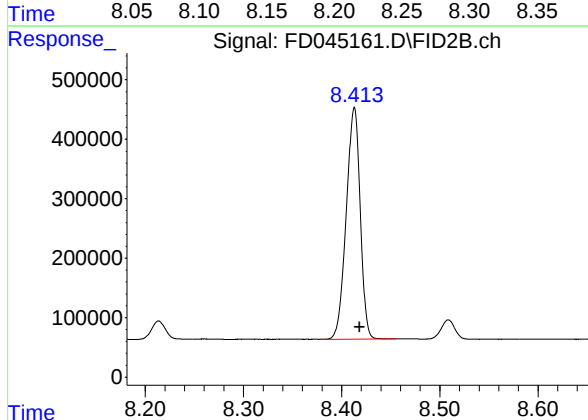
#5 Acenaphthylene (C15.06)

R.T.: 8.214 min
Delta R.T.: -0.010 min
Response: 299880
Conc: 2.10 ug/ml

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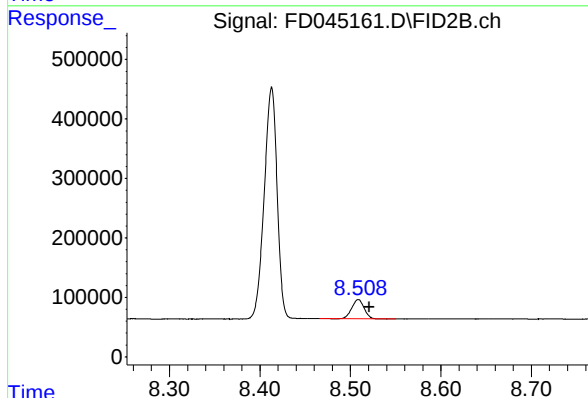
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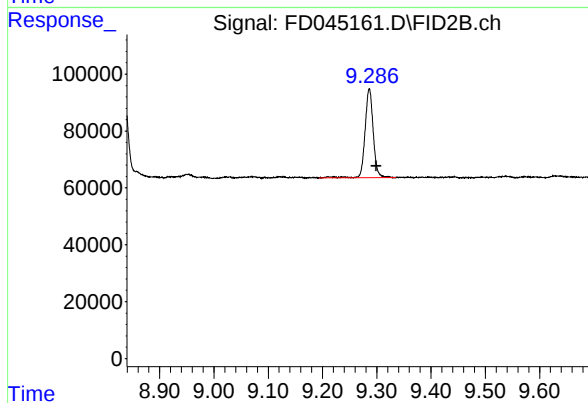
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.413 min
Delta R.T.: -0.006 min
Response: 3854956
Conc: 43.01 ug/ml



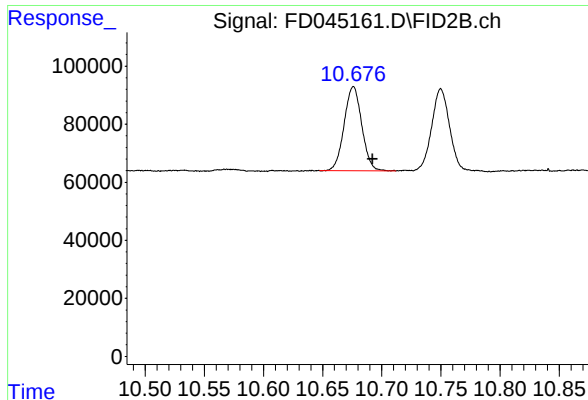
#7 Acenaphthene (C15.5)

R.T.: 8.509 min
Delta R.T.: -0.012 min
Response: 306375
Conc: 2.03 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.286 min
Delta R.T.: -0.013 min
Response: 328955
Conc: 2.23 ug/ml



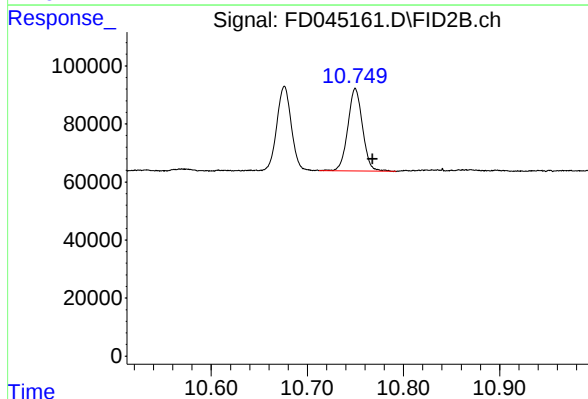
#9 Phenanthrene (C19.36)

R.T.: 10.676 min
Delta R.T.: -0.016 min
Response: 300724
Conc: 2.08 ug/ml

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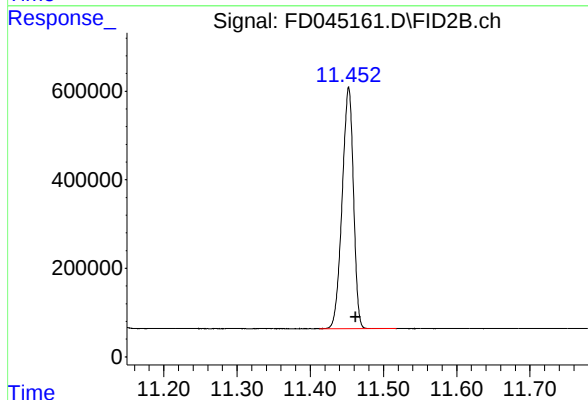
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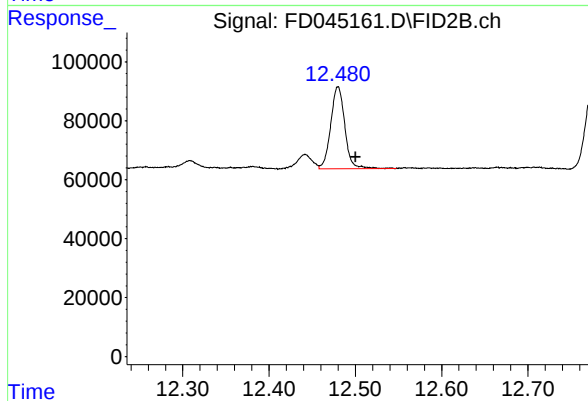
#10 Anthracene (C19.43)

R.T.: 10.750 min
Delta R.T.: -0.018 min
Response: 303559
Conc: 2.24 ug/ml



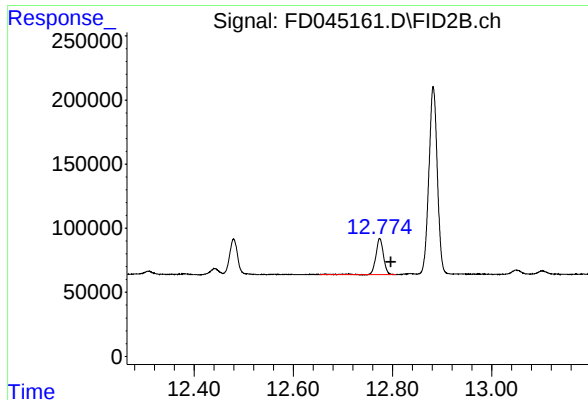
#11 ortho-Terphenyl (SURR)

R.T.: 11.452 min
Delta R.T.: -0.010 min
Response: 5855228
Conc: 34.81 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.480 min
Delta R.T.: -0.020 min
Response: 316446
Conc: 2.21 ug/ml



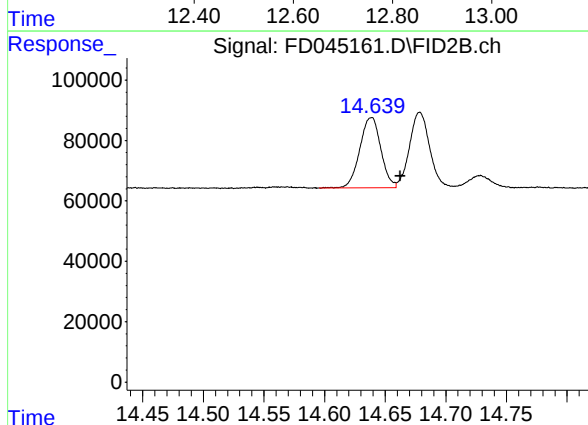
#13 Pyrene (C20.8)

R.T.: 12.775 min
Delta R.T.: -0.022 min
Response: 301979
Conc: 2.16 ug/ml

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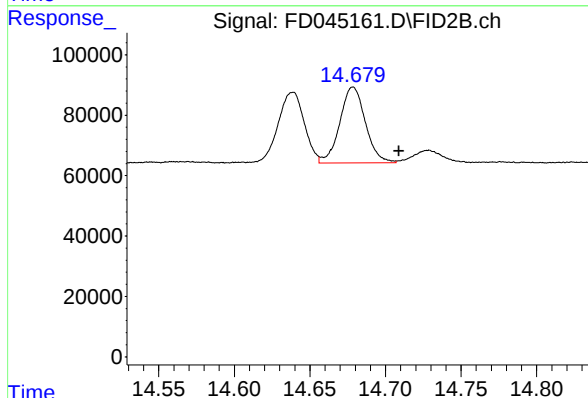
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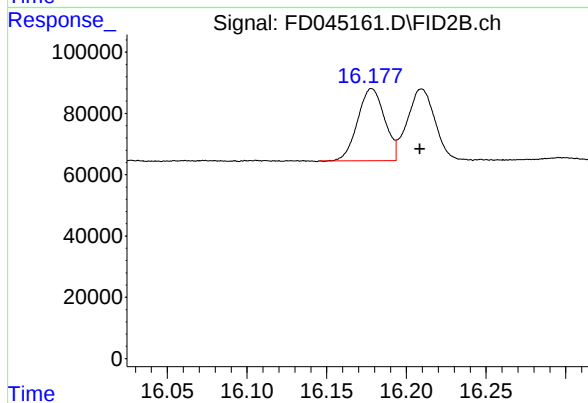
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.639 min
Delta R.T.: -0.023 min
Response: 281838
Conc: 2.22 ug/ml m



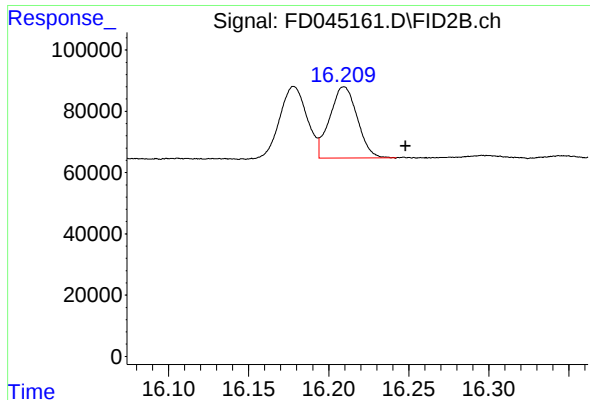
#15 Chrysene (C27.41)

R.T.: 14.679 min
Delta R.T.: -0.030 min
Response: 295463
Conc: 2.23 ug/ml m



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

R.T.: 16.177 min
Delta R.T.: -0.031 min
Response: 279149
Conc: 2.13 ug/ml m



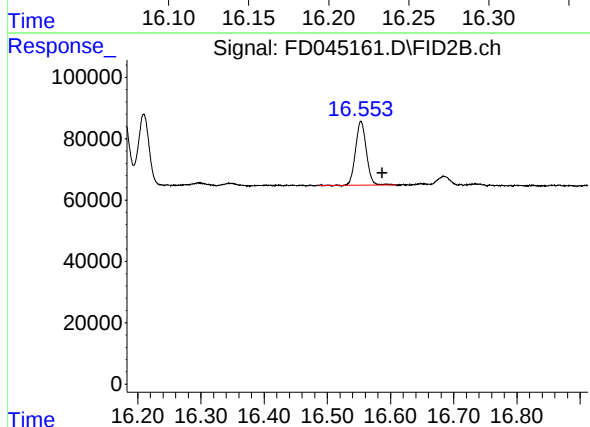
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.210 min
Delta R.T.: -0.039 min
Response: 279111
Conc: 2.15 ug/ml

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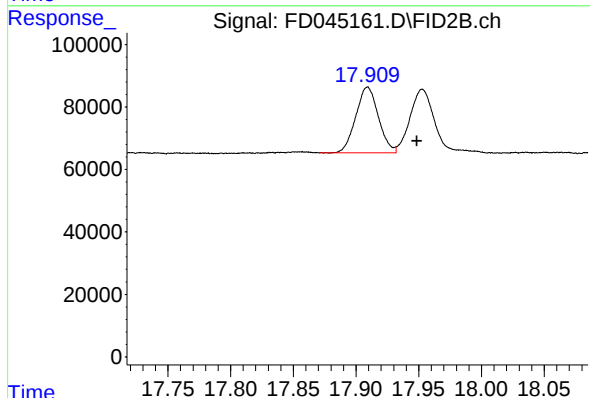
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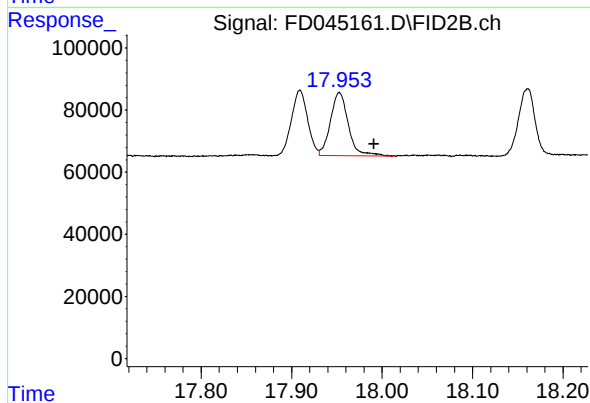
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.553 min
Delta R.T.: -0.034 min
Response: 245903
Conc: 1.92 ug/ml



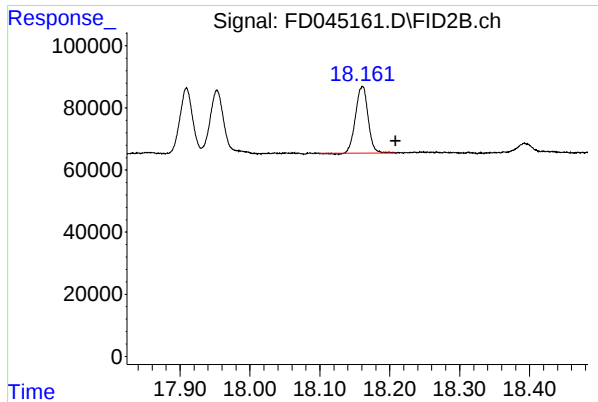
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.909 min
Delta R.T.: -0.040 min
Response: 265094
Conc: 2.11 ug/ml m



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

R.T.: 17.953 min
Delta R.T.: -0.038 min
Response: 279136
Conc: 2.28 ug/ml



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

R.T.: 18.161 min
Delta R.T.: -0.047 min
Response: 267711
Conc: 2.11 ug/ml

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