

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD040723AR\
 Data File : FD045445.D
 Signal(s) : FID2B.ch
 Acq On : 07 Apr 2023 23:09
 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 04/10/2023
 Supervised By :Ankita Jodhani 04/10/2023

Integration File: autoint1.e
 Quant Time: Apr 10 04:41:38 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 0302823.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 28 05:56:14 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...	7.548	2805520	20.477 ug/ml
Spiked Amount 50.000		Recovery =	40.95%
6) S 2-Fluorobiphenyl (SURR)	8.403	1829219	20.405 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	40.81%
11) S ortho-Terphenyl (SURR)	11.442	3505413	20.148 ug/ml
Spiked Amount 50.000		Recovery =	40.30%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.359	3222709	20.687 ug/ml
2) T Naphthalene (C11.7)	5.888	3308107	20.585 ug/ml
3) T 2-Methylnaphthalene (...)	6.936	3282366	20.505 ug/ml
5) T Acenaphthylene (C15.06)	8.207	2938250	20.068 ug/ml
7) T Acenaphthene (C15.5)	8.502	3154219	20.336 ug/ml
8) T Fluorene (C16.55)	9.281	3013987	20.325 ug/ml
9) T Phenanthrene (C19.36)	10.670	2897887	20.005 ug/ml
10) T Anthracene (C19.43)	10.744	2477325	17.922 ug/ml
12) T Fluoranthene (C21.85)	12.475	2902573	20.175 ug/ml
13) T Pyrene (C20.8)	12.770	2810134	19.987 ug/ml
14) T Benzo[a]anthracene (C...	14.635	2556504	19.935 ug/ml
15) T Chrysene (C27.41)	14.677	2707160	20.416 ug/ml
16) T benzo[b]fluoranthene ...	16.177	2595899	19.983 ug/ml
17) T Bnezo[k]fluoranthene ...	16.210	2668775	21.071 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.553	2455762	19.532 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.908	2197654	18.568 ug/ml
20) T Dibenz[a,h]anthracene...	17.950	2362465	19.830 ug/mlm
21) T Benzo[g,h,i]perylene ...	18.161	2325791	18.620 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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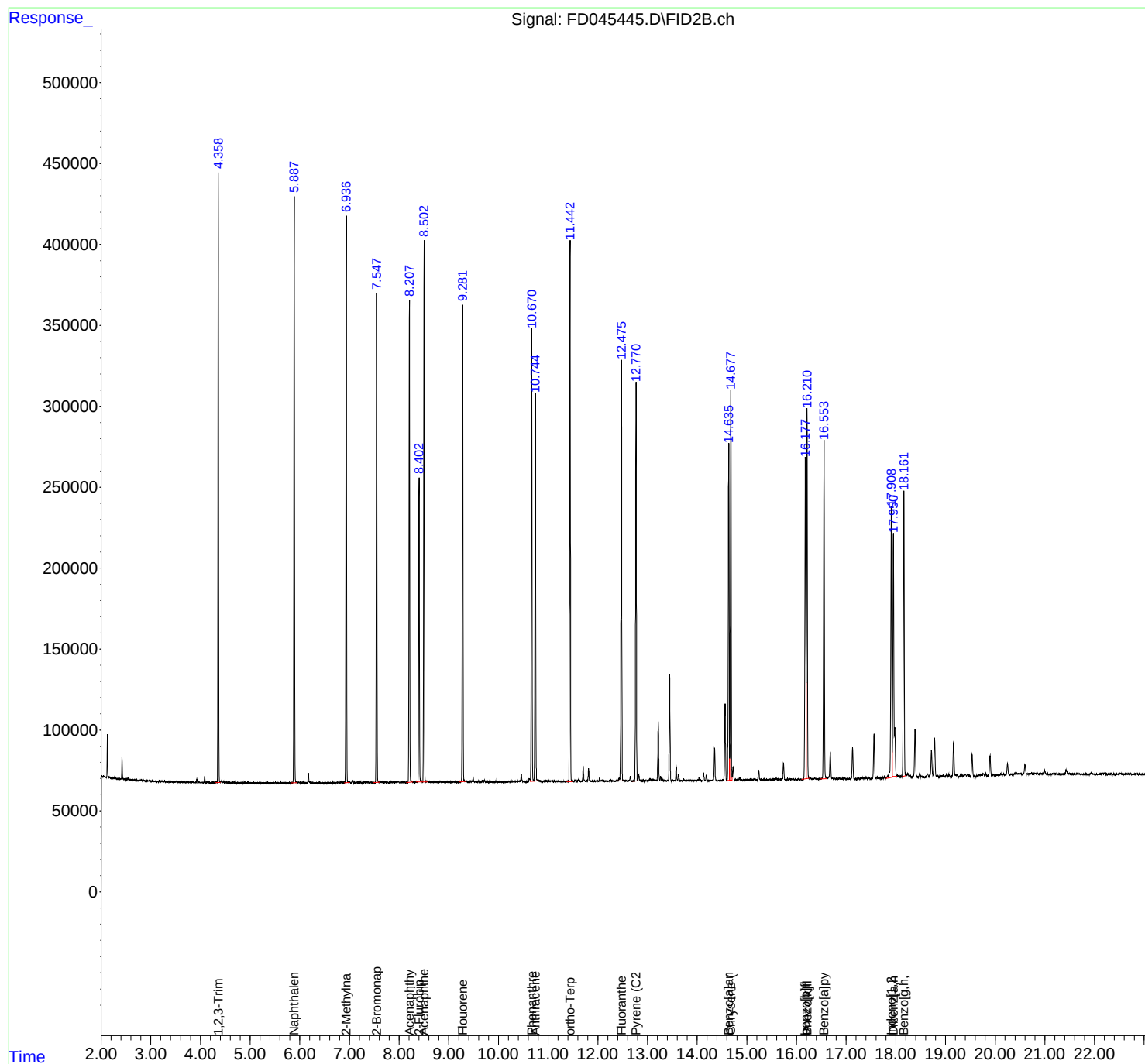
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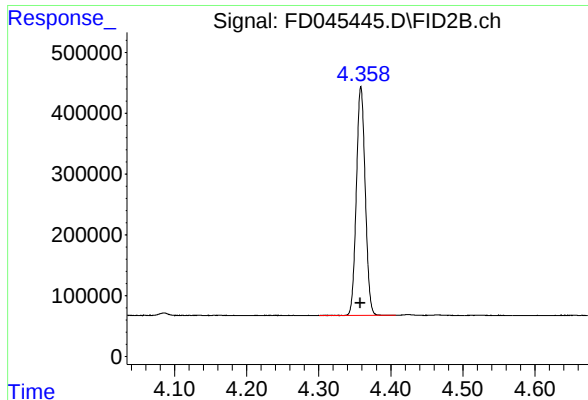
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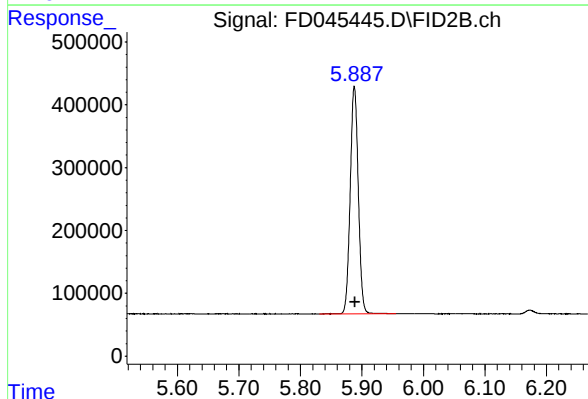
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.359 min
Delta R.T.: 0.000 min
Response: 3222709
Conc: 20.69 ug/ml

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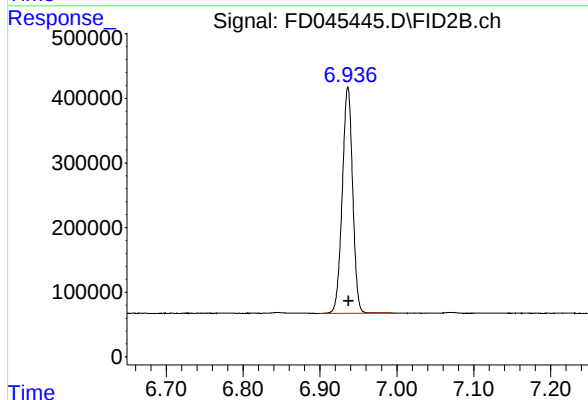
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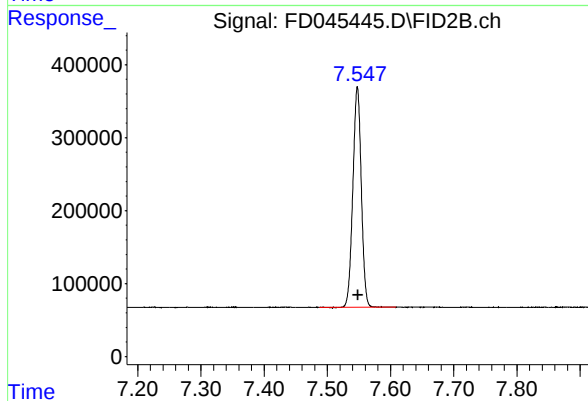
#2 Naphthalene (C11.7)

R.T.: 5.888 min
Delta R.T.: 0.000 min
Response: 3308107
Conc: 20.58 ug/ml



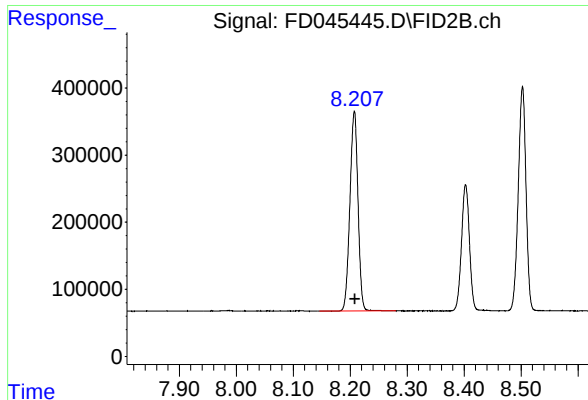
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.936 min
Delta R.T.: -0.001 min
Response: 3282366
Conc: 20.50 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.548 min
Delta R.T.: -0.001 min
Response: 2805520
Conc: 20.48 ug/ml



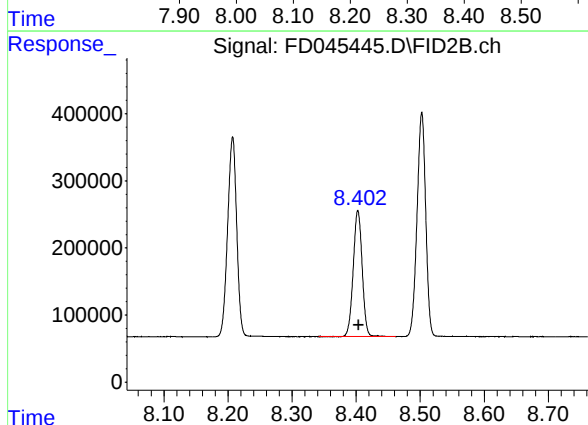
#5 Acenaphthylene (C15.06)

R.T.: 8.207 min
Delta R.T.: -0.001 min
Response: 2938250
Conc: 20.07 ug/ml

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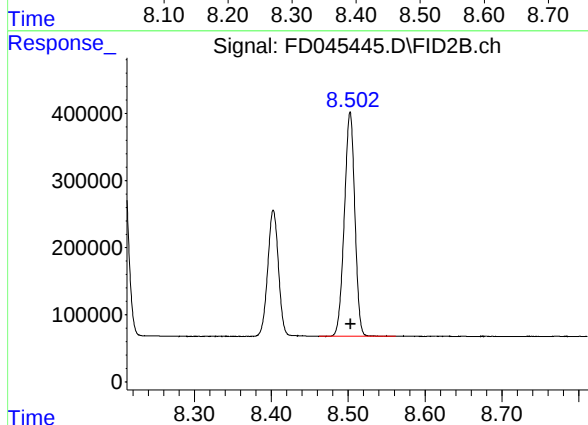
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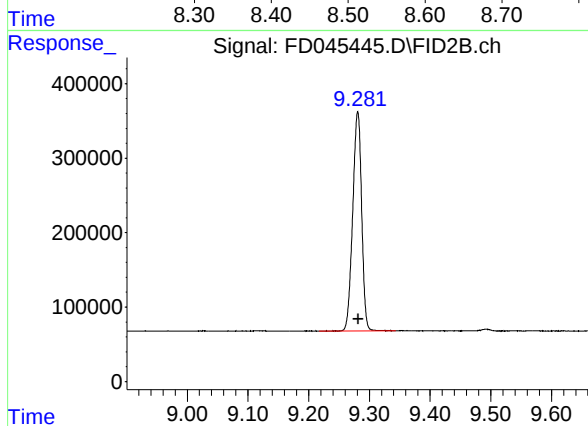
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.403 min
Delta R.T.: -0.001 min
Response: 1829219
Conc: 20.40 ug/ml



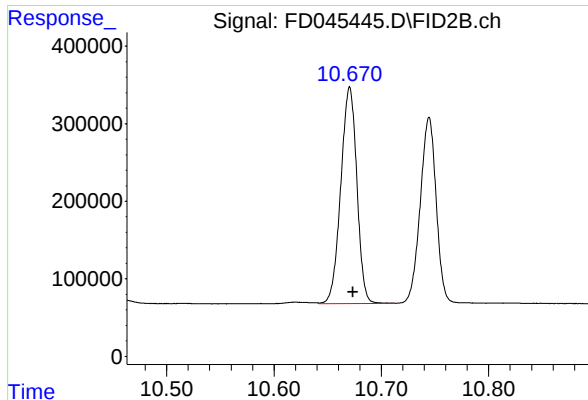
#7 Acenaphthene (C15.5)

R.T.: 8.502 min
Delta R.T.: -0.001 min
Response: 3154219
Conc: 20.34 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.281 min
Delta R.T.: -0.001 min
Response: 3013987
Conc: 20.33 ug/ml



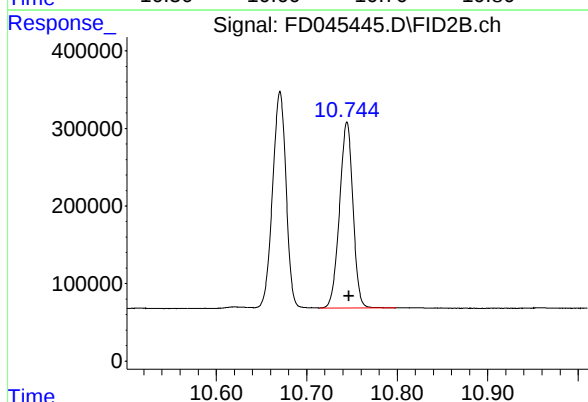
#9 Phenanthrene (C19.36)

R.T.: 10.670 min
Delta R.T.: -0.003 min
Response: 2897887
Conc: 20.01 ug/ml

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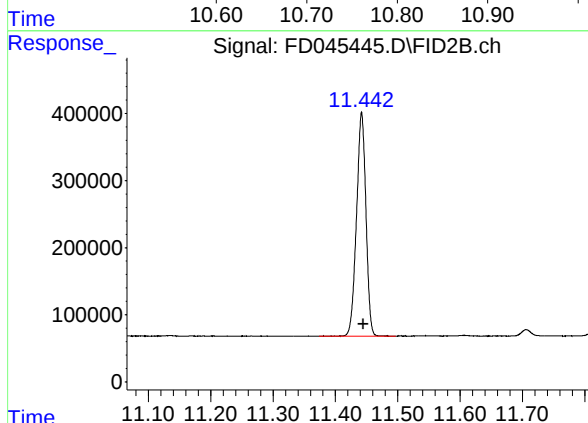
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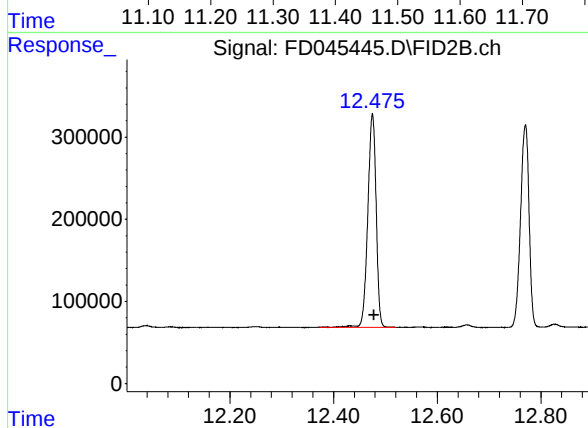
#10 Anthracene (C19.43)

R.T.: 10.744 min
Delta R.T.: -0.002 min
Response: 2477325
Conc: 17.92 ug/ml



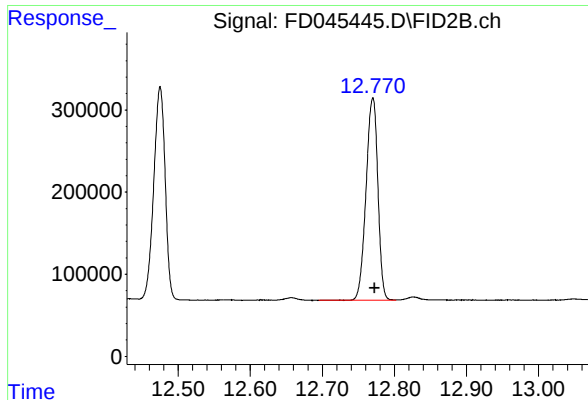
#11 ortho-Terphenyl (SURR)

R.T.: 11.442 min
Delta R.T.: -0.002 min
Response: 3505413
Conc: 20.15 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.475 min
Delta R.T.: -0.003 min
Response: 2902573
Conc: 20.17 ug/ml



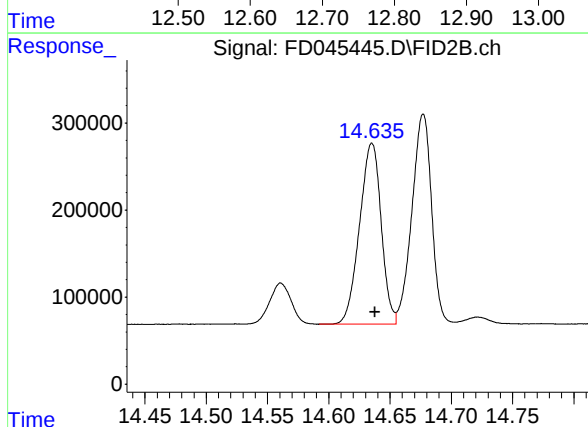
#13 Pyrene (C20.8)

R.T.: 12.770 min
Delta R.T.: -0.003 min
Response: 2810134
Conc: 19.99 ug/ml

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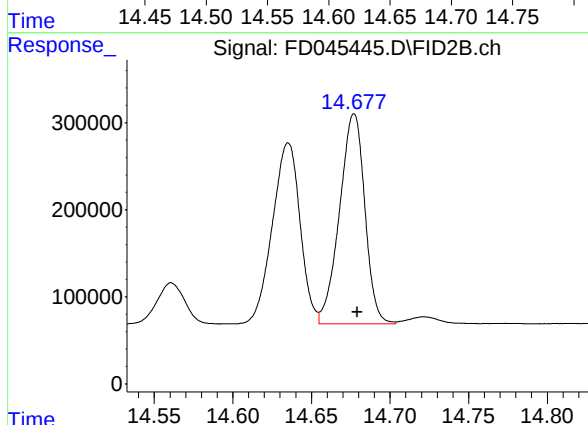
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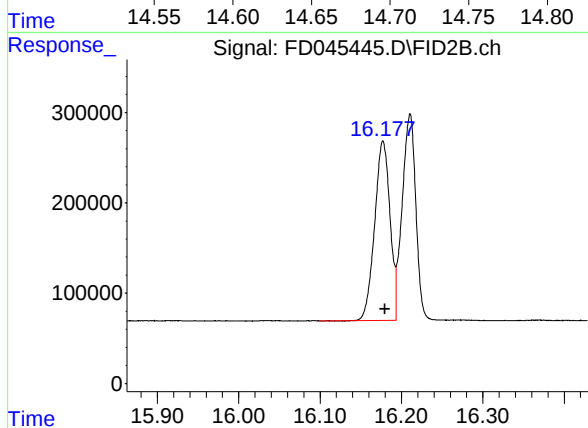
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.635 min
Delta R.T.: -0.003 min
Response: 2556504
Conc: 19.93 ug/ml



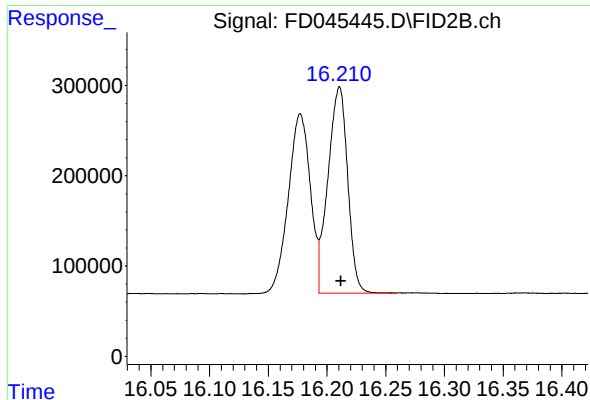
#15 Chrysene (C27.41)

R.T.: 14.677 min
Delta R.T.: -0.002 min
Response: 2707160
Conc: 20.42 ug/ml



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

R.T.: 16.177 min
Delta R.T.: -0.002 min
Response: 2595899
Conc: 19.98 ug/ml



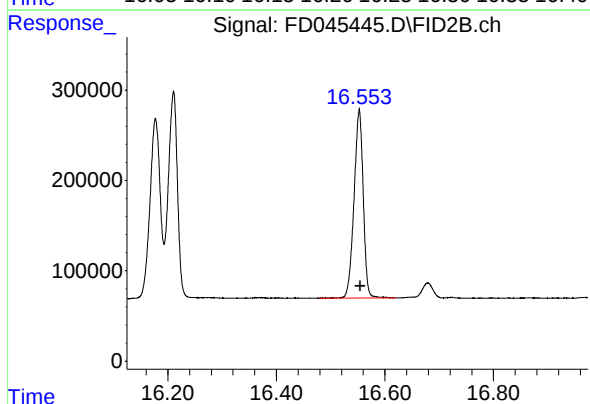
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.210 min
Delta R.T.: -0.002 min
Response: 2668775
Conc: 21.07 ug/ml

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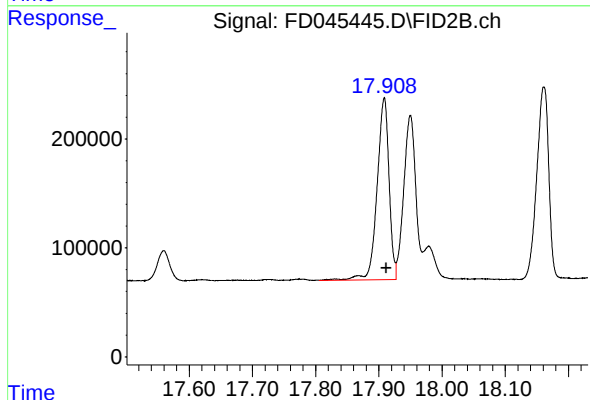
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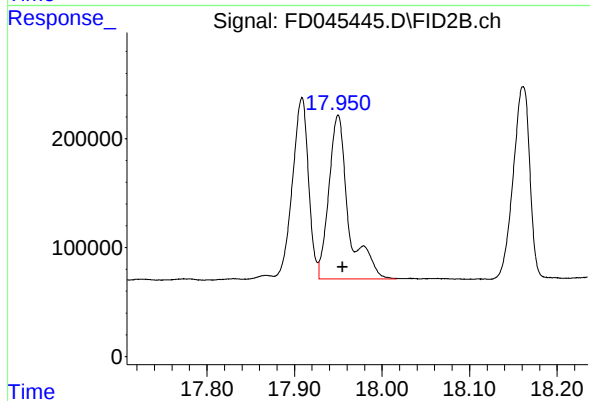
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.553 min
Delta R.T.: -0.002 min
Response: 2455762
Conc: 19.53 ug/ml



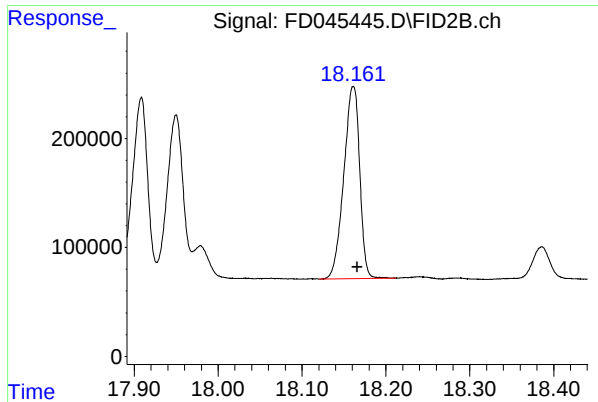
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.908 min
Delta R.T.: -0.004 min
Response: 2197654
Conc: 18.57 ug/ml



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

R.T.: 17.950 min
Delta R.T.: -0.005 min
Response: 2362465
Conc: 19.83 ug/ml m



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

R.T.: 18.161 min
Delta R.T.: -0.005 min
Response: 2325791
Conc: 18.62 ug/ml

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