

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD090122AR\
 Data File : FD043790.D
 Signal(s) : FID2B.ch
 Acq On : 01 Sep 2022 09:51
 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 09/02/2022
 Supervised By :Ankita Jodhani 09/02/2022

Integration File: autoint1.e
 Quant Time: Sep 02 01:42:38 2022
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 082322.M
 Quant Title : GC Extractables
 QLast Update : Thu Aug 25 11:00:10 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...	7.440	3344729	19.358 ug/ml
Spiked Amount 50.000		Recovery =	38.72%
6) S 2-Fluorobiphenyl (SURR)	8.295	2063735	20.516 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	41.03%
11) S ortho-Terphenyl (SURR)	11.326	3922444	18.749 ug/ml
Spiked Amount 50.000		Recovery =	37.50%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.250	3896921	19.568 ug/ml
2) T Naphthalene (C11.7)	5.781	3865523	19.232 ug/ml
3) T 2-Methylnaphthalene (...)	6.827	3473786	19.246 ug/ml
5) T Acenaphthylene (C15.06)	8.096	3755090	18.786 ug/ml
7) T Acenaphthene (C15.5)	8.389	3990353	18.563 ug/ml
8) T Flouorene (C16.55)	9.169	3637552	18.974 ug/ml
9) T Phenanthrene (C19.36)	10.561	3457534	19.227 ug/ml
10) T Anthracene (C19.43)	10.637	3162947	16.261 ug/ml
12) T Fluoranthene (C21.85)	12.364	3311934	18.161 ug/mlm
13) T Pyrene (C20.8)	12.660	3394411	18.185 ug/ml
14) T Benzo[a]anthracene (C...	14.527	2757331	19.271 ug/mlm
15) T Chrysene (C27.41)	14.570	3368637	17.453 ug/ml
16) T benzo[b]fluoranthene ...	16.073	2800728	19.409 ug/mlm
17) T Bnezo[k]fluoranthene ...	16.103	2808175	16.327 ug/mlm
18) T Benzo[a]pyrene (C31.34)	16.452	2498758	17.208 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.812	2443273	23.625 ug/mlm
20) T Dibenz[a,h]anthracene...	17.849	2660909	18.909 ug/mlm
21) T Benzo[g,h,i]perylene ...	18.063	2700774	21.215 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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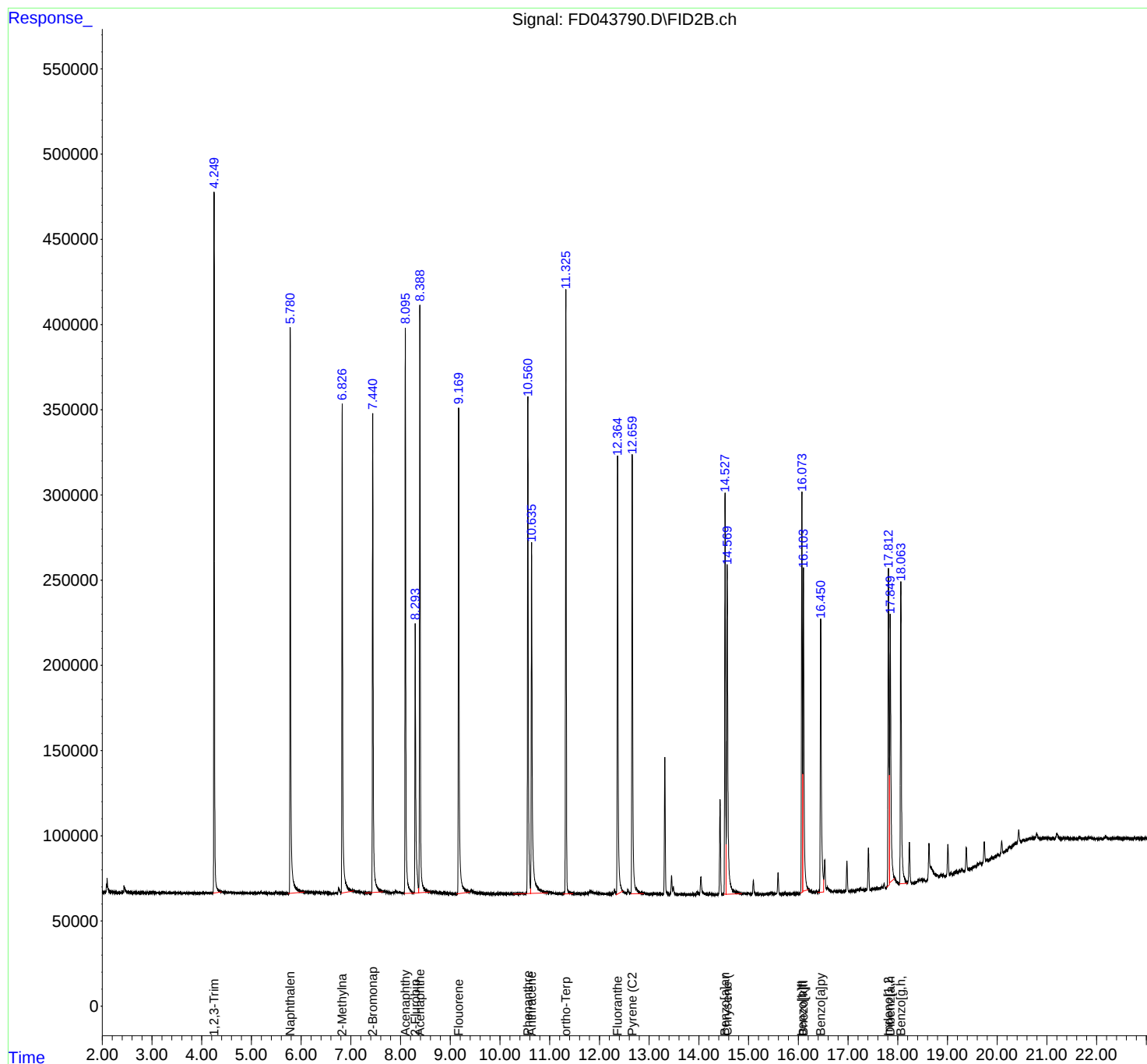
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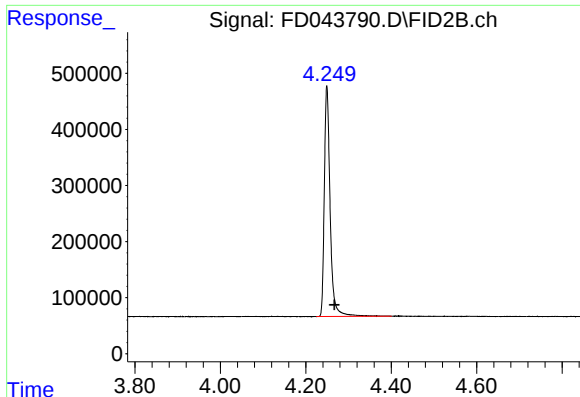
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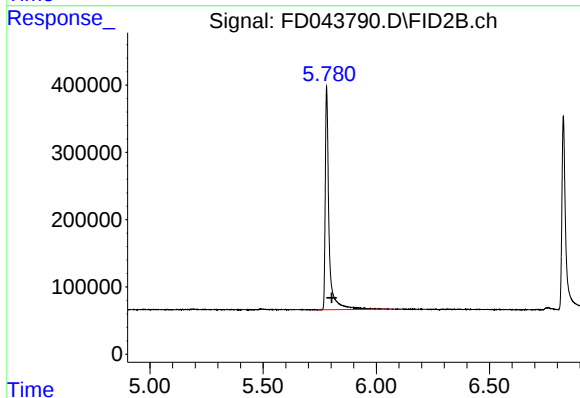
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.250 min
Delta R.T.: -0.017 min
Response: 3896921
Conc: 19.57 ug/ml

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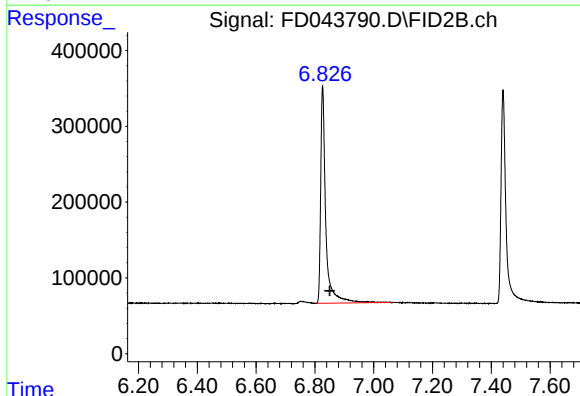
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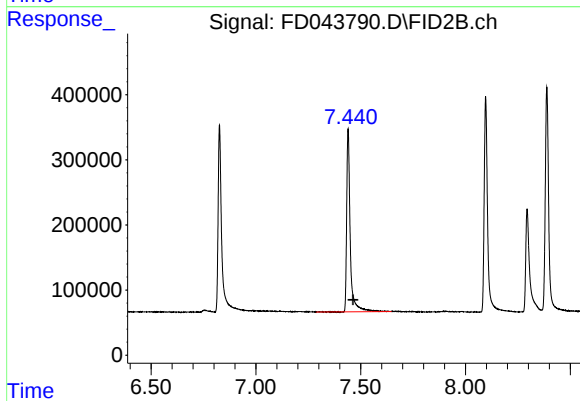
#2 Naphthalene (C11.7)

R.T.: 5.781 min
Delta R.T.: -0.022 min
Response: 3865523
Conc: 19.23 ug/ml



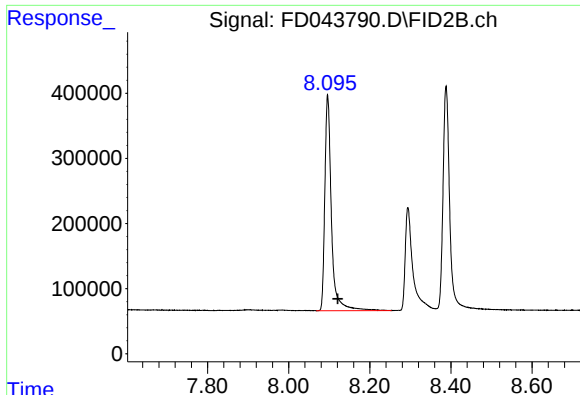
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.827 min
Delta R.T.: -0.024 min
Response: 3473786
Conc: 19.25 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.440 min
Delta R.T.: -0.023 min
Response: 3344729
Conc: 19.36 ug/ml



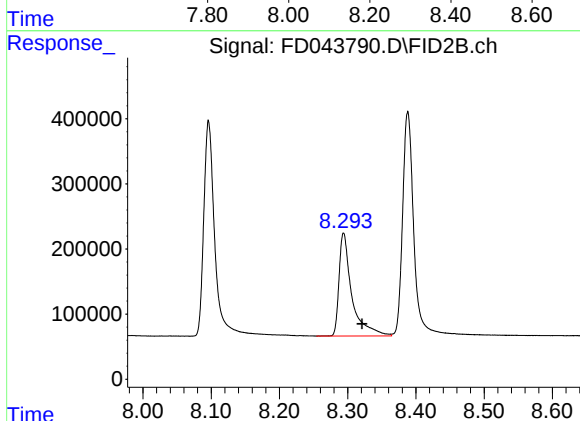
#5 Acenaphthylene (C15.06)

R.T.: 8.096 min
Delta R.T.: -0.025 min
Response: 3755090
Conc: 18.79 ug/ml

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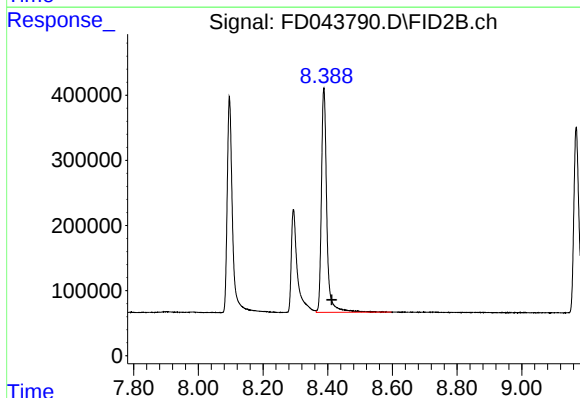
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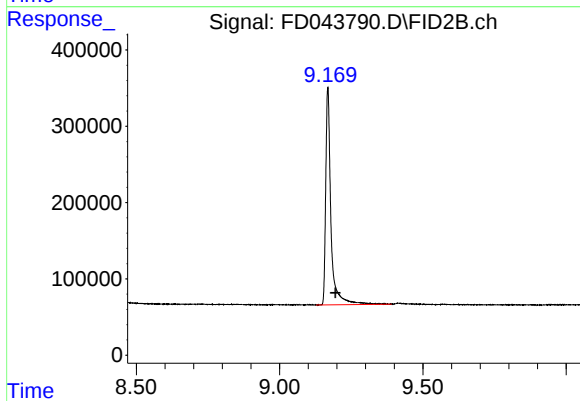
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.295 min
Delta R.T.: -0.026 min
Response: 2063735
Conc: 20.52 ug/ml



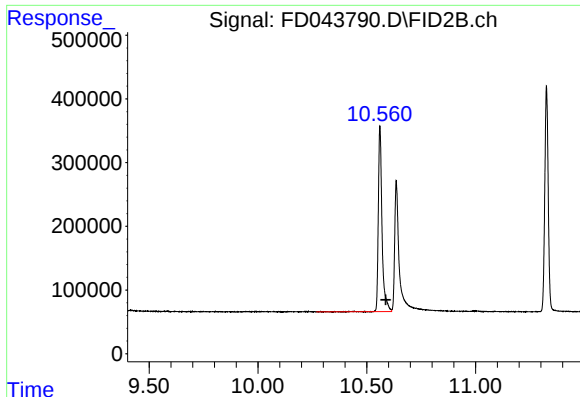
#7 Acenaphthene (C15.5)

R.T.: 8.389 min
Delta R.T.: -0.024 min
Response: 3990353
Conc: 18.56 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.169 min
Delta R.T.: -0.026 min
Response: 3637552
Conc: 18.97 ug/ml



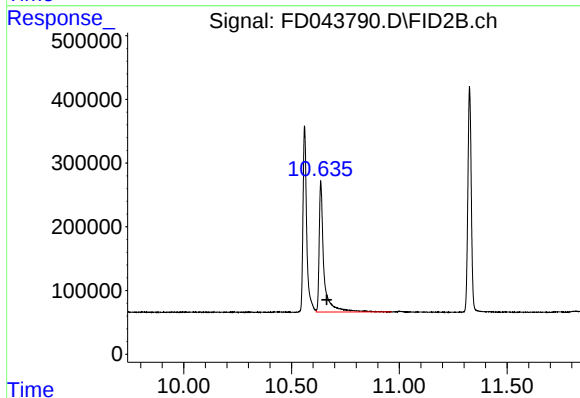
#9 Phenanthrene (C19.36)

R.T.: 10.561 min
Delta R.T.: -0.026 min
Response: 3457534
Conc: 19.23 ug/ml

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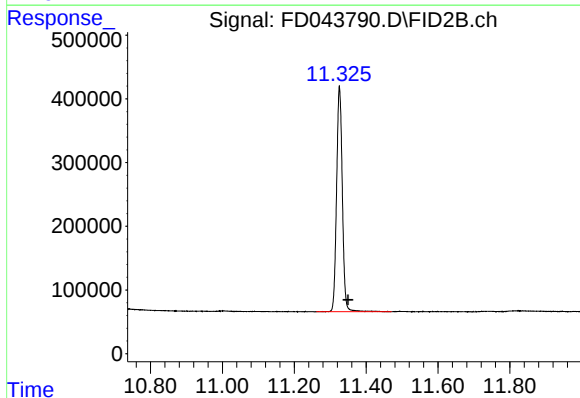
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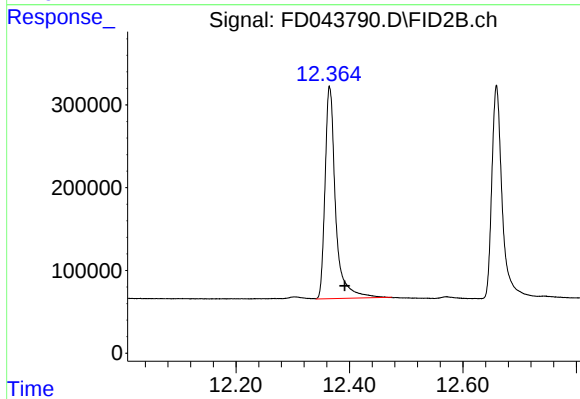
#10 Anthracene (C19.43)

R.T.: 10.637 min
Delta R.T.: -0.027 min
Response: 3162947
Conc: 16.26 ug/ml



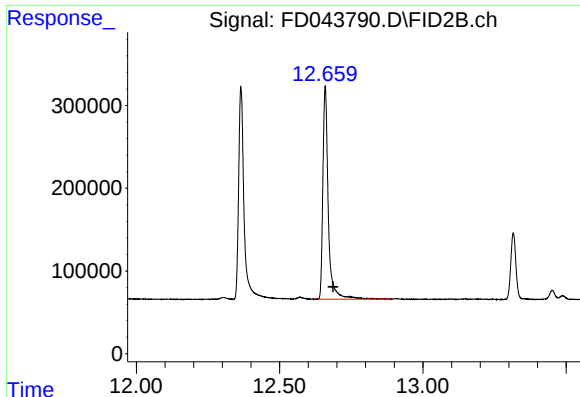
#11 ortho-Terphenyl (SURR)

R.T.: 11.326 min
Delta R.T.: -0.024 min
Response: 3922444
Conc: 18.75 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.364 min
Delta R.T.: -0.028 min
Response: 3311934
Conc: 18.16 ug/ml m



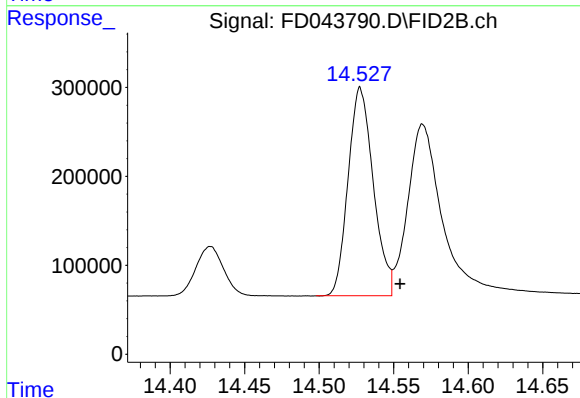
#13 Pyrene (C20.8)

R.T.: 12.660 min
Delta R.T.: -0.027 min
Response: 3394411
Conc: 18.18 ug/ml

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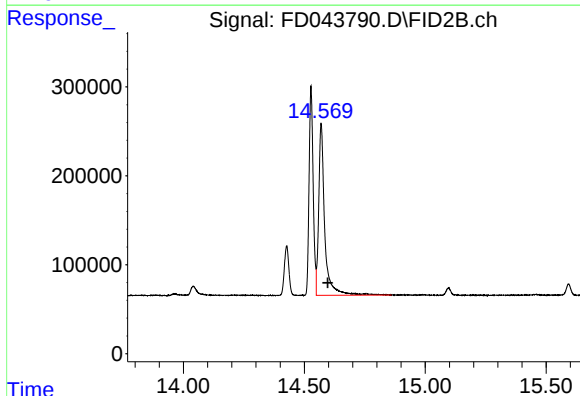
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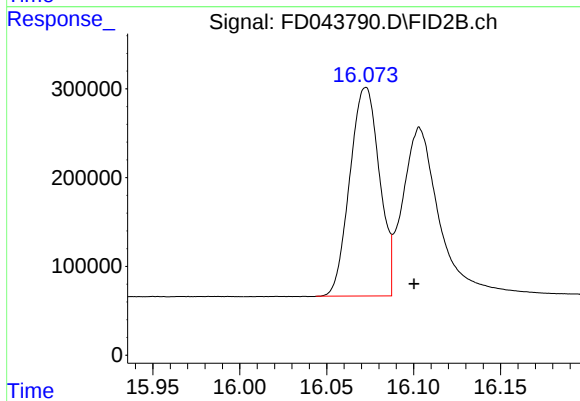
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.527 min
Delta R.T.: -0.027 min
Response: 2757331
Conc: 19.27 ug/ml m



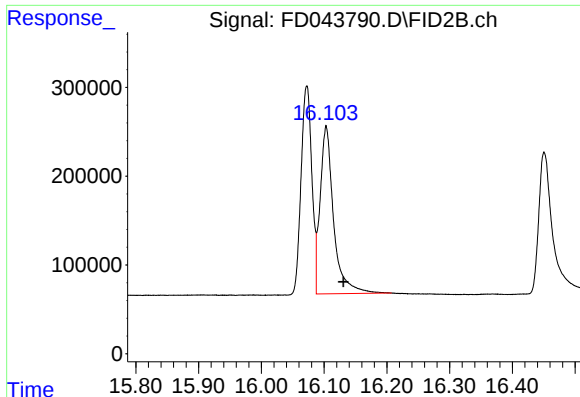
#15 Chrysene (C27.41)

R.T.: 14.570 min
Delta R.T.: -0.027 min
Response: 3368637
Conc: 17.45 ug/ml



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

R.T.: 16.073 min
Delta R.T.: -0.028 min
Response: 2800728
Conc: 19.41 ug/ml m



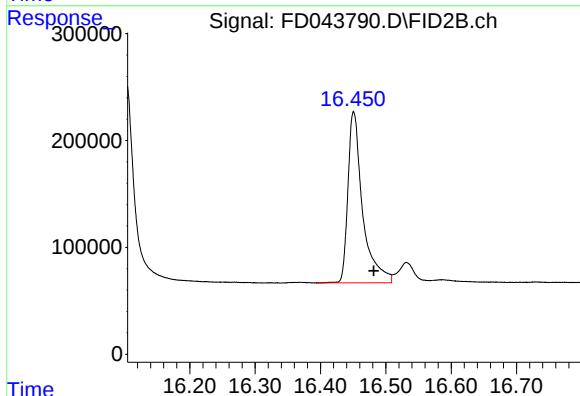
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.103 min
Delta R.T.: -0.028 min
Response: 2808175
Conc: 16.33 ug/ml

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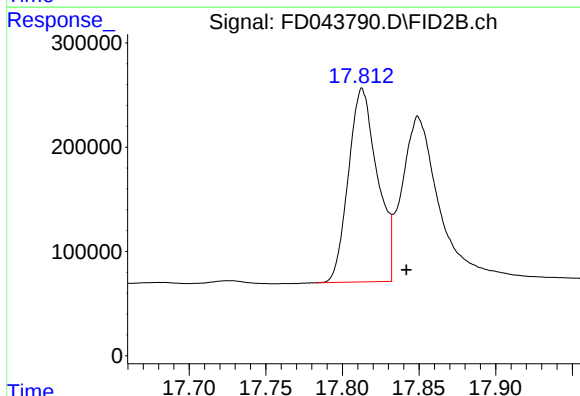
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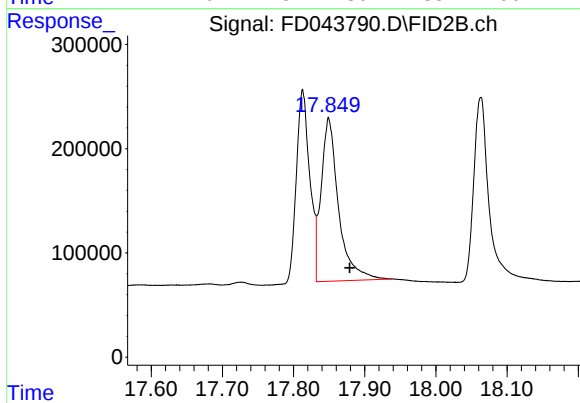
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.452 min
Delta R.T.: -0.030 min
Response: 2498758
Conc: 17.21 ug/ml



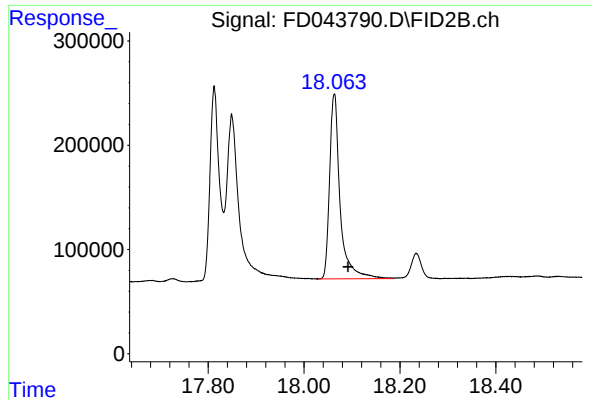
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.812 min
Delta R.T.: -0.029 min
Response: 2443273
Conc: 23.63 ug/ml m



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

R.T.: 17.849 min
Delta R.T.: -0.030 min
Response: 2660909
Conc: 18.91 ug/ml m



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

R.T.: 18.063 min
Delta R.T.: -0.029 min
Response: 2700774
Conc: 21.22 ug/ml

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