

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD080825AR\
 Data File : FD049594.D
 Signal(s) : FID2B.ch
 Acq On : 08 Aug 2025 11:36
 Operator : YP/AJ
 Sample : PB169161BS
 Misc :
 ALS Vial : 62 Sample Multiplier: 1

Instrument :

FID_D

ClientSampleId :

PB169161BS

Manual Integrations**APPROVED**

Reviewed By :Yogesh Patel 08/11/2025

Supervised By :mohammad ahmed 08/12/2025

Integration File: sample.E
 Quant Time: Aug 11 04:45:48 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 071525.M
 Quant Title : GC Extractables
 QLast Update : Tue Jul 15 12:32:40 2025
 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...	7.716	6076408	46.443 ug/ml
Spiked Amount 50.000		Recovery =	92.89%
6) S 2-Fluorobiphenyl (SURR)	8.581	4309329	46.505 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	93.01%
11) S ortho-Terphenyl (SURR)	11.626	6430259	39.217 ug/ml
Spiked Amount 50.000		Recovery =	78.43%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.507	3708624	28.707 ug/ml
2) T Naphthalene (C11.7)	6.050	4766431	32.567 ug/ml
3) T 2-Methylnaphthalene (...)	7.104	4834821	31.837 ug/ml
5) T Acenaphthylene (C15.06)	8.384	5946073	37.460 ug/ml
7) T Acenaphthene (C15.5)	8.681	6052585	38.228 ug/ml
8) T Flouorene (C16.55)	9.462	6515502	40.787 ug/ml
9) T Phenanthrene (C19.36)	10.861	6696260	40.880 ug/ml
10) T Anthracene (C19.43)	10.935	5837670	36.647 ug/ml
12) T Fluoranthene (C21.85)	12.675	6831712	42.030 ug/mlm
13) T Pyrene (C20.8)	12.974	6707141	41.328 ug/ml
14) T Benzo[a]anthracene (C...	14.846	6337653	43.275 ug/ml
15) T Chrysene (C27.41)	14.890	6892756	46.315 ug/ml
16) T benzo[b]fluoranthene ...	16.396	6191245	43.696 ug/ml
17) T Bnezo[k]fluoranthene ...	16.432	6025510	45.073 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.777	5752919	41.784 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.142	5944032	47.458 ug/mlm
20) T Dibenz[a,h]anthracene...	18.180	5515197	41.864 ug/mlm
21) T Benzo[g,h,i]perylene ...	18.400	5338064	40.335 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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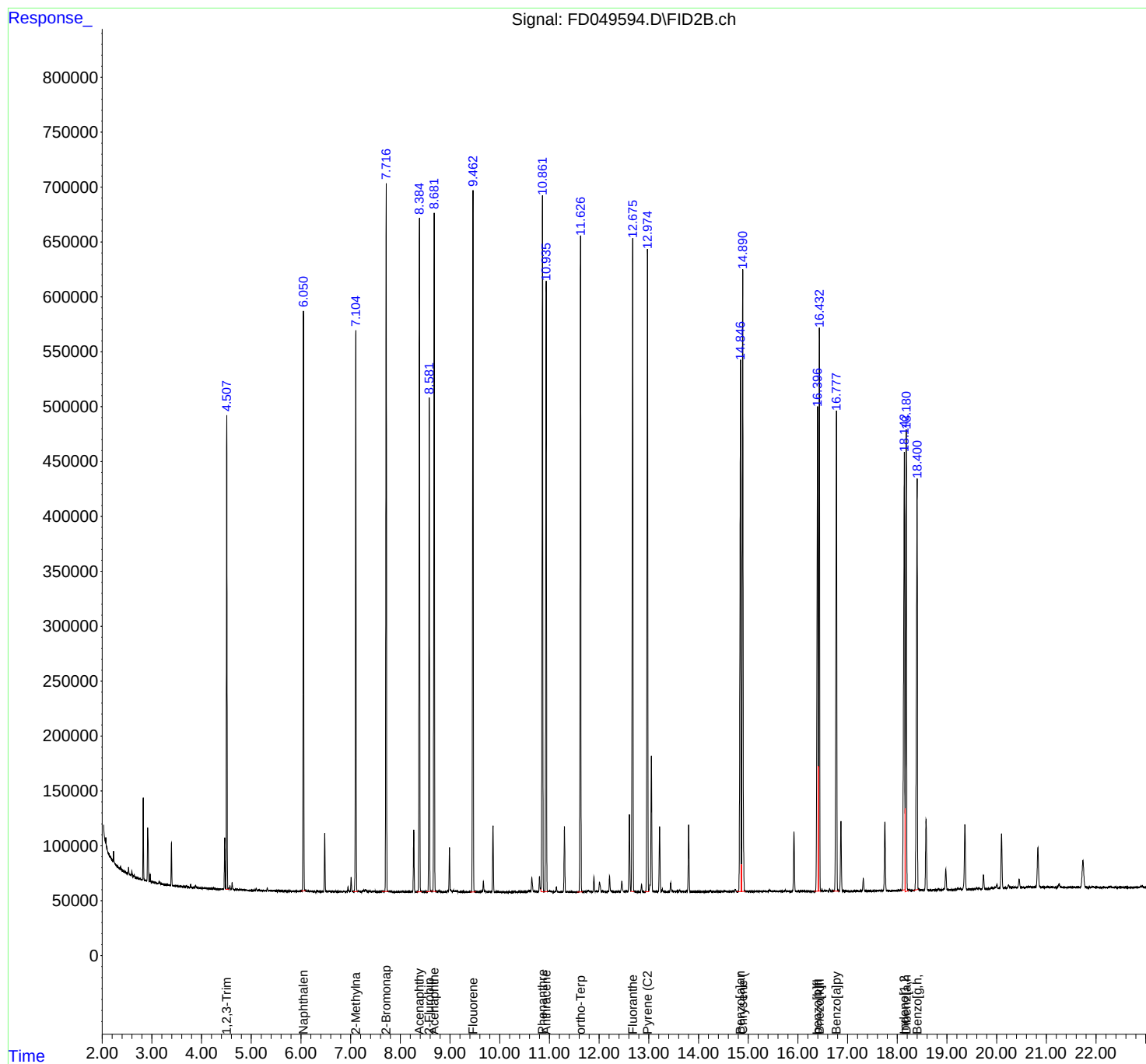
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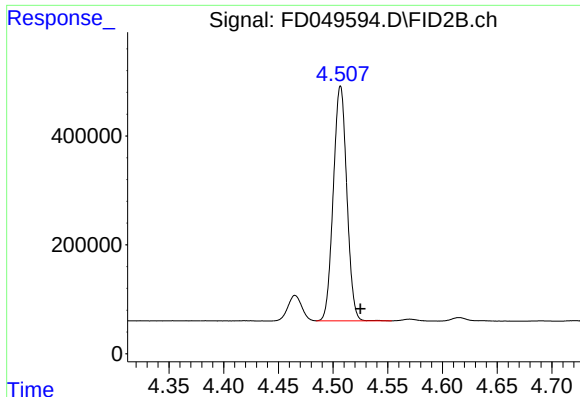
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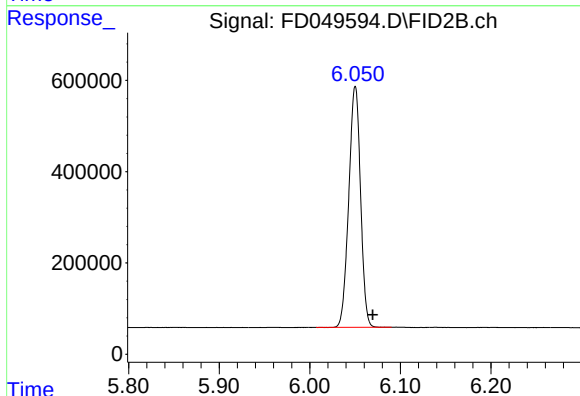
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.507 min
Delta R.T.: -0.018 min
Response: 3708624
Conc: 28.71 ug/ml

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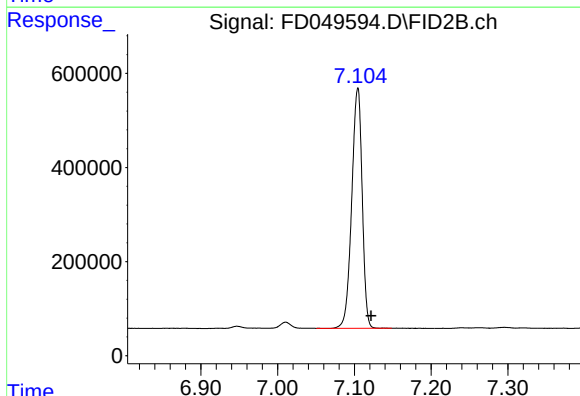
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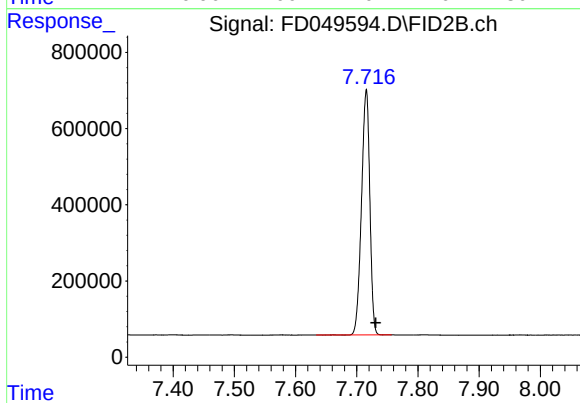
#2 Naphthalene (C11.7)

R.T.: 6.050 min
Delta R.T.: -0.019 min
Response: 4766431
Conc: 32.57 ug/ml



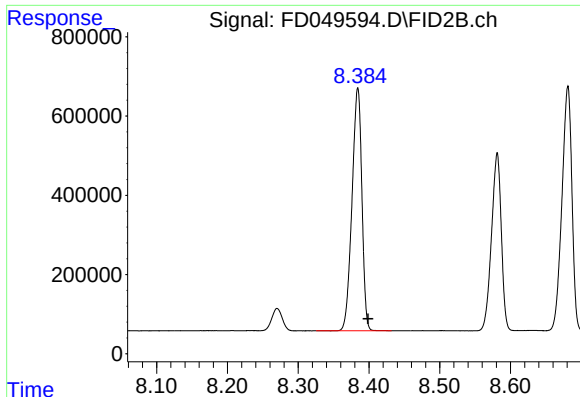
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.104 min
Delta R.T.: -0.017 min
Response: 4834821
Conc: 31.84 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.716 min
Delta R.T.: -0.016 min
Response: 6076408
Conc: 46.44 ug/ml



#5 Acenaphthylene (C15.06)

R.T.: 8.384 min
Delta R.T.: -0.015 min
Response: 5946073
Conc: 37.46 ug/ml

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FID_D

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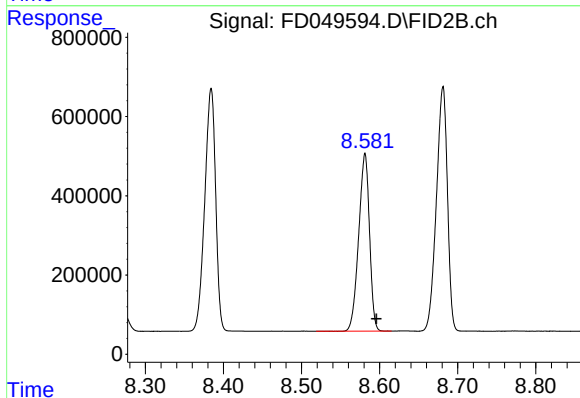
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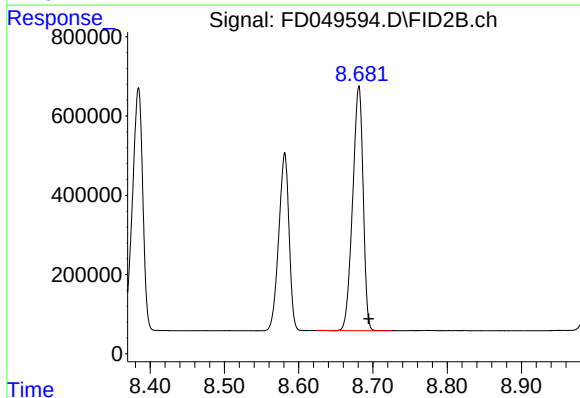
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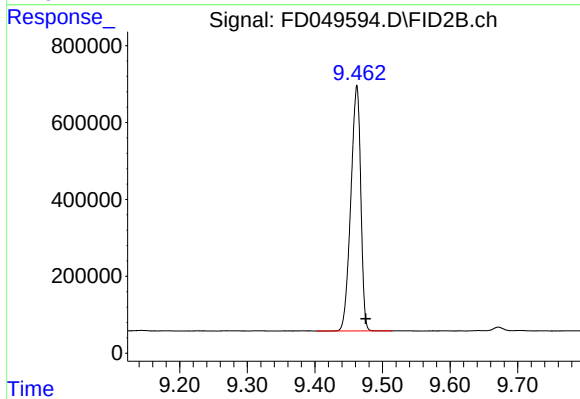
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.581 min
Delta R.T.: -0.014 min
Response: 4309329
Conc: 46.51 ug/ml



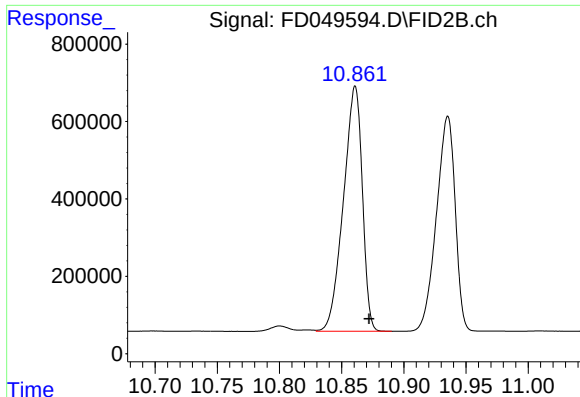
#7 Acenaphthene (C15.5)

R.T.: 8.681 min
Delta R.T.: -0.013 min
Response: 6052585
Conc: 38.23 ug/ml



#8 Fluorene (C16.55)

R.T.: 9.462 min
Delta R.T.: -0.013 min
Response: 6515502
Conc: 40.79 ug/ml



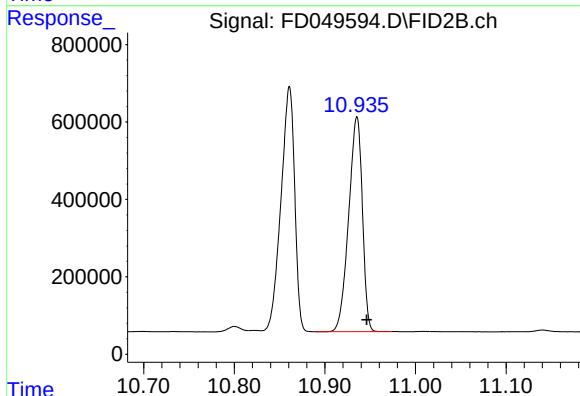
#9 Phenanthrene (C19.36)

R.T.: 10.861 min
Delta R.T.: -0.011 min
Response: 6696260
Conc: 40.88 ug/ml

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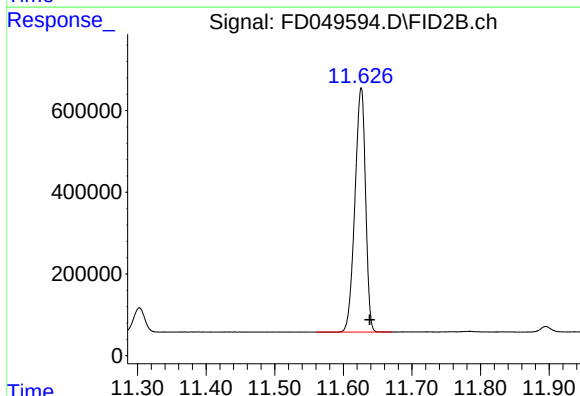
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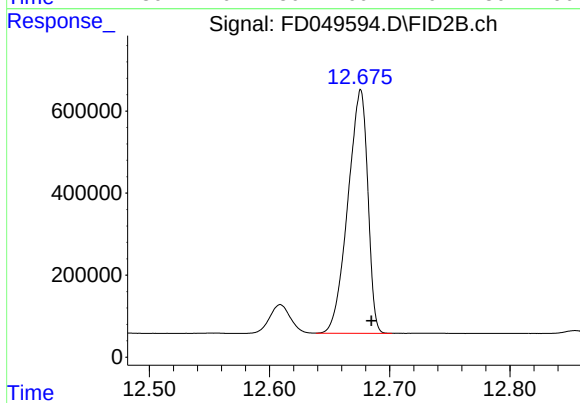
#10 Anthracene (C19.43)

R.T.: 10.935 min
Delta R.T.: -0.011 min
Response: 5837670
Conc: 36.65 ug/ml



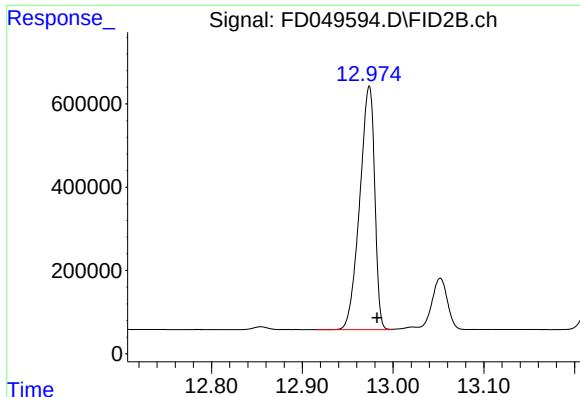
#11 ortho-Terphenyl (SURR)

R.T.: 11.626 min
Delta R.T.: -0.013 min
Response: 6430259
Conc: 39.22 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.675 min
Delta R.T.: -0.009 min
Response: 6831712
Conc: 42.03 ug/ml m



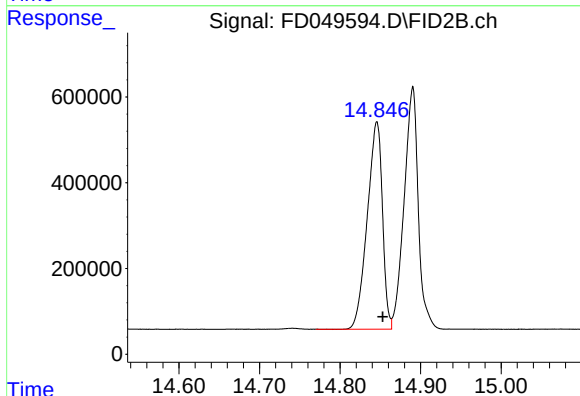
#13 Pyrene (C20.8)

R.T.: 12.974 min
Delta R.T.: -0.009 min
Response: 6707141
Conc: 41.33 ug/ml

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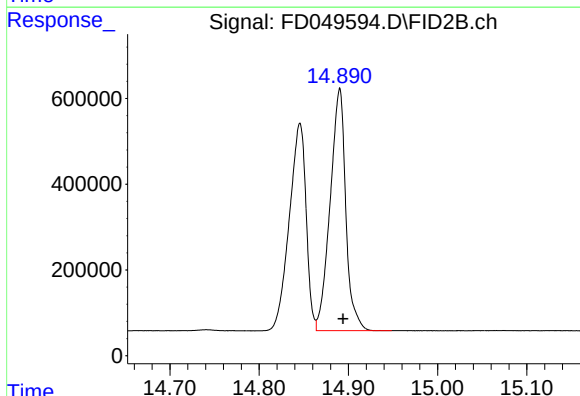
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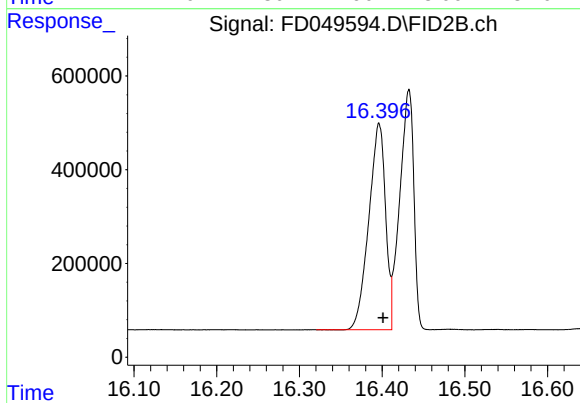
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.846 min
Delta R.T.: -0.007 min
Response: 6337653
Conc: 43.28 ug/ml



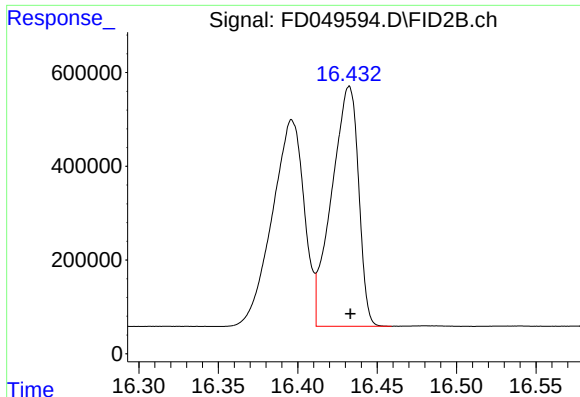
#15 Chrysene (C27.41)

R.T.: 14.890 min
Delta R.T.: -0.004 min
Response: 6892756
Conc: 46.31 ug/ml



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

R.T.: 16.396 min
Delta R.T.: -0.005 min
Response: 6191245
Conc: 43.70 ug/ml



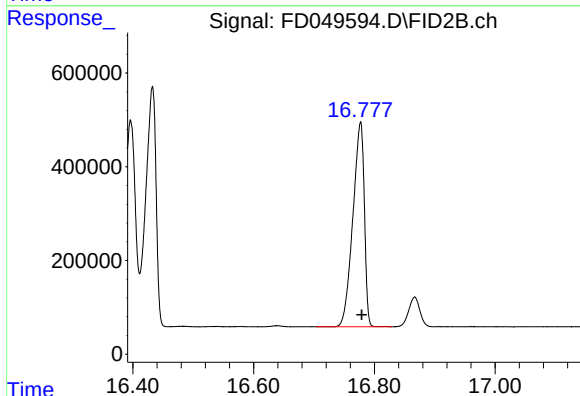
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.432 min
Delta R.T.: 0.000 min
Response: 6025510
Conc: 45.07 ug/ml

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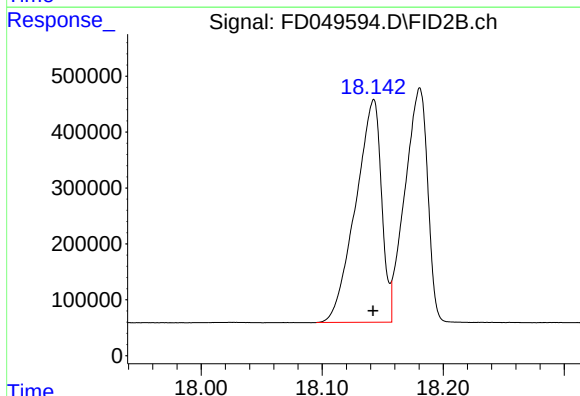
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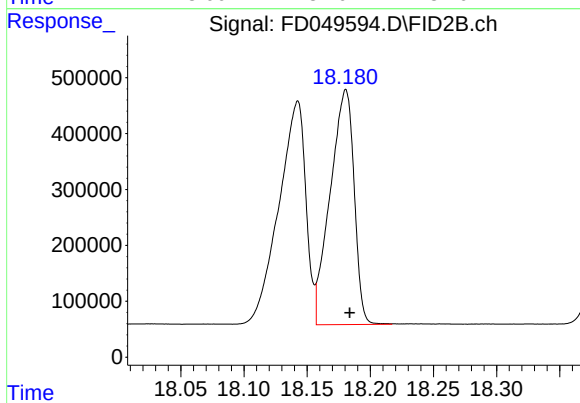
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.777 min
Delta R.T.: -0.002 min
Response: 5752919
Conc: 41.78 ug/ml



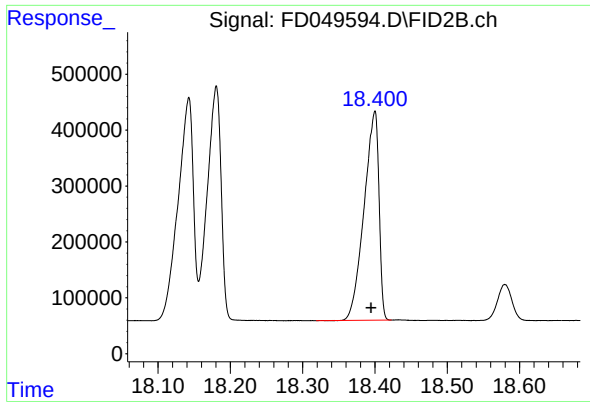
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.142 min
Delta R.T.: 0.000 min
Response: 5944032
Conc: 47.46 ug/ml m



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

R.T.: 18.180 min
Delta R.T.: -0.003 min
Response: 5515197
Conc: 41.86 ug/ml m



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

R.T.: 18.400 min
Delta R.T.: 0.005 min
Response: 5338064
Conc: 40.33 ug/ml

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