

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD092022AR\
 Data File : FD043939.D
 Signal(s) : FID2B.ch
 Acq On : 21 Sep 2022 23:07
 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 22 03:10:16 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	2421439	18.403 ug/ml
Spiked Amount 50.000		Recovery =	36.81%
6) S 2-Fluorobiphenyl (SURR)	8.280	1453229	20.145 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	40.29%
11) S ortho-Terphenyl (SURR)	11.311	3074768	16.505 ug/ml
Spiked Amount 50.000		Recovery =	33.01%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.232	2781603	18.509 ug/mlm
2) T Naphthalene (C11.7)	5.764	2743906	19.269 ug/mlm
3) T 2-Methylnaphthalene (...)	6.810	2779337	18.999 ug/ml
5) T Acenaphthylene (C15.06)	8.081	2561441	16.600 ug/mlm
7) T Acenaphthene (C15.5)	8.373	2920894	16.690 ug/ml
8) T Flouorene (C16.55)	9.154	2648026	18.016 ug/ml
9) T Phenanthrene (C19.36)	10.545	2500357	17.278 ug/ml
10) T Anthracene (C19.43)	10.621	2355629	16.051 ug/ml
12) T Fluoranthene (C21.85)	12.350	2480122	16.170 ug/ml
13) T Pyrene (C20.8)	12.644	2328187	15.651 ug/ml
14) T Benzo[a]anthracene (C...	14.513	2045497	18.298 ug/ml
15) T Chrysene (C27.41)	14.555	2476052	15.843 ug/ml
16) T benzo[b]fluoranthene ...	16.060	2229830	19.121 ug/ml
17) T Bnezo[k]fluoranthene ...	16.090	2449648	16.500 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.438	2302295	19.007 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.801	2109449	22.186 ug/ml
20) T Dibenz[a,h]anthracene...	17.837	2452891	20.418 ug/ml
21) T Benzo[g,h,i]perylene ...	18.052	2354128	20.658 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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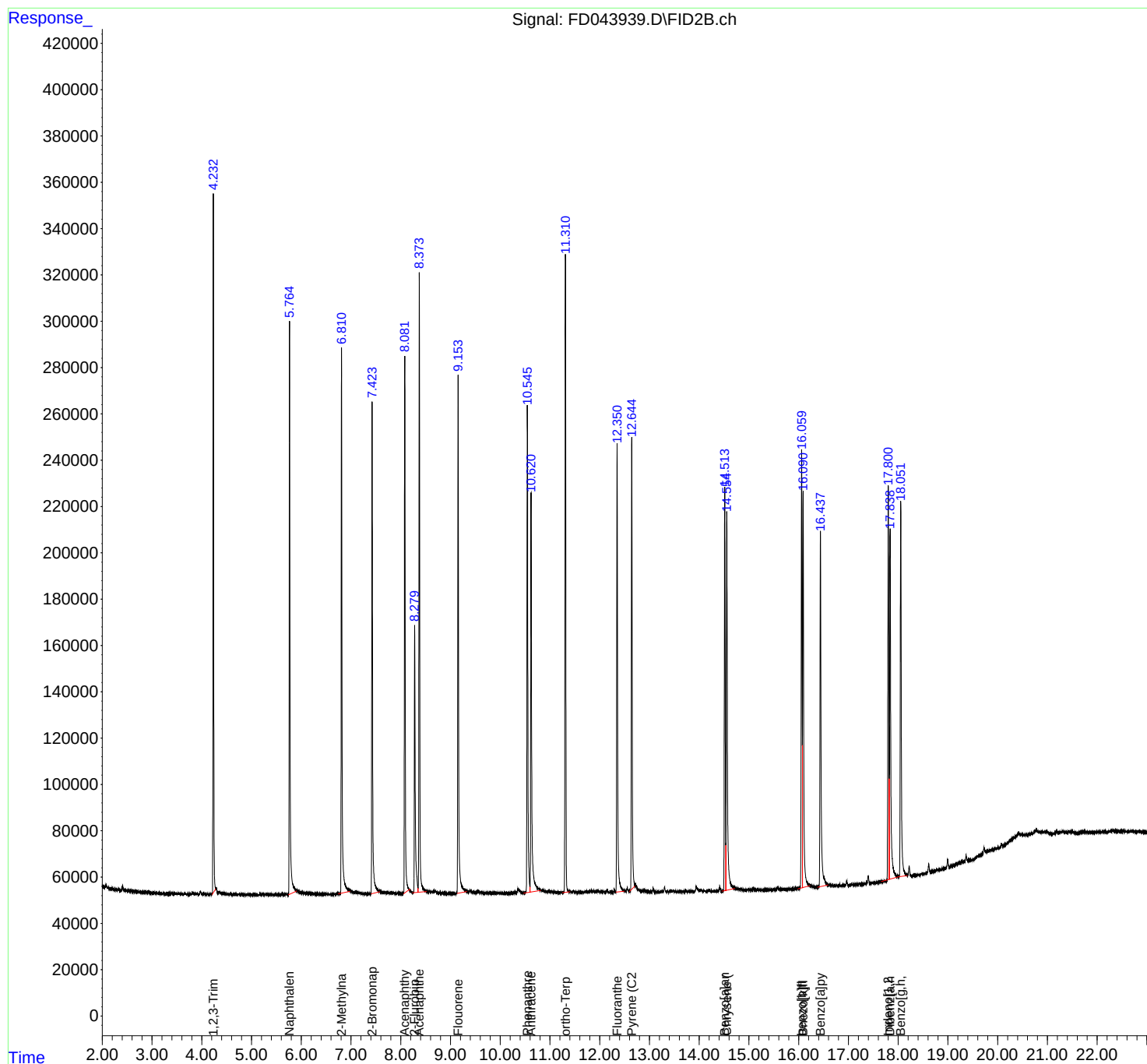
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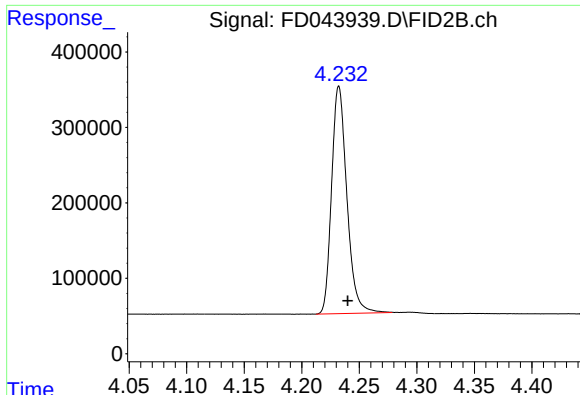
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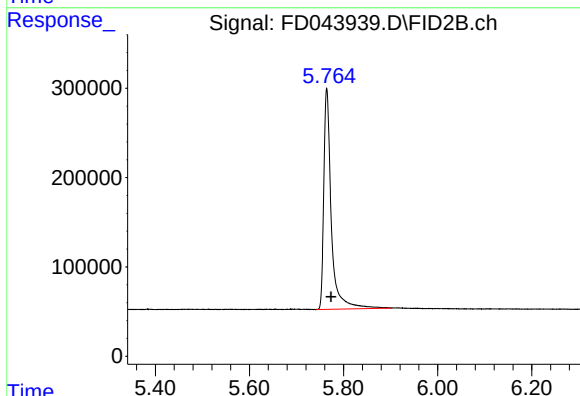
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.232 min
Delta R.T.: -0.008 min
Response: 2781603
Conc: 18.51 ug/ml

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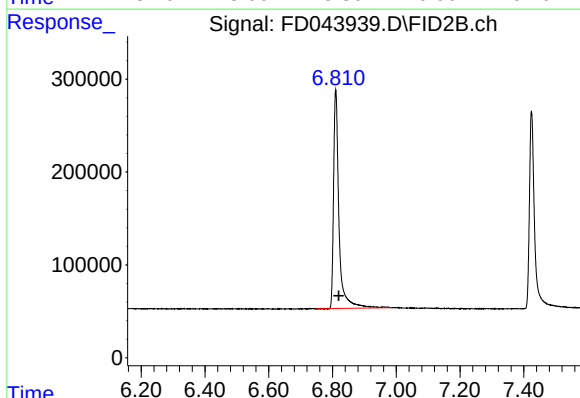
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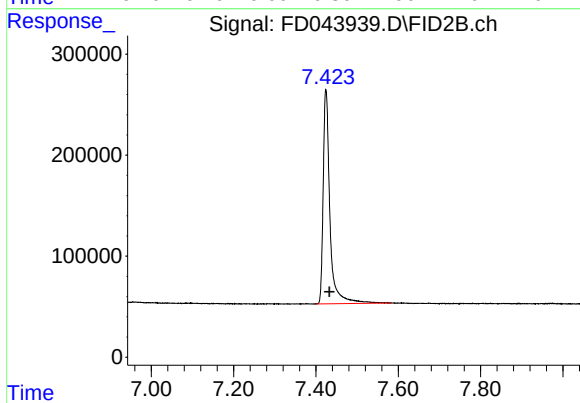
#2 Naphthalene (C11.7)

R.T.: 5.764 min
Delta R.T.: -0.010 min
Response: 2743906
Conc: 19.27 ug/ml m



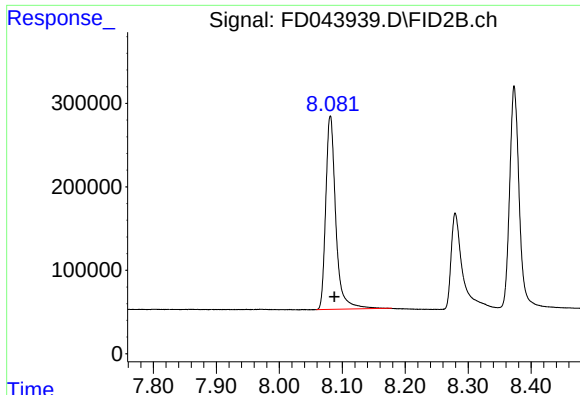
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.810 min
Delta R.T.: -0.009 min
Response: 2779337
Conc: 19.00 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.425 min
Delta R.T.: -0.008 min
Response: 2421439
Conc: 18.40 ug/ml



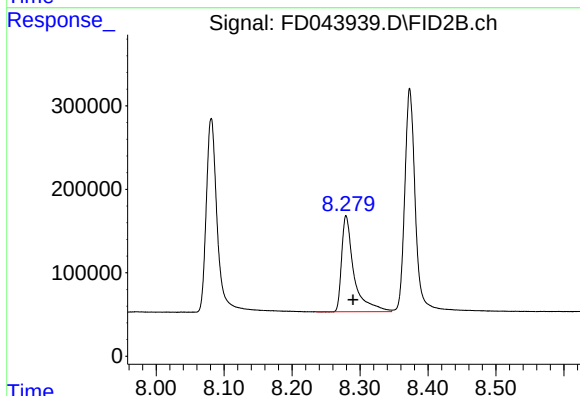
#5 Acenaphthylene (C15.06)

R.T.: 8.081 min
Delta R.T.: -0.007 min
Response: 2561441
Conc: 16.60 ug/ml

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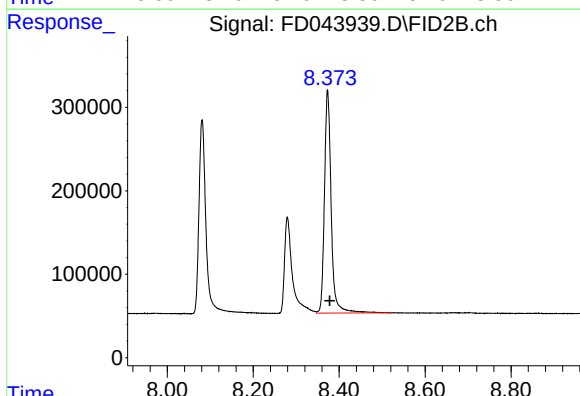
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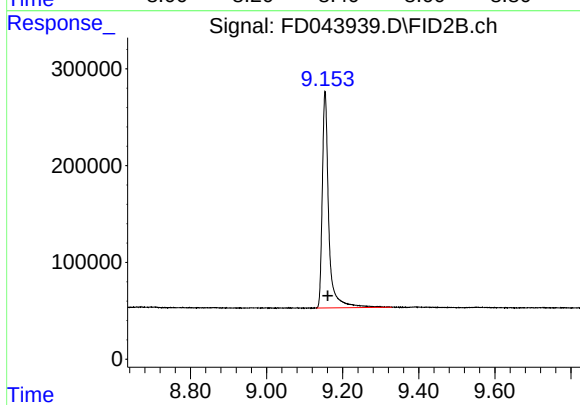
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.280 min
Delta R.T.: -0.010 min
Response: 1453229
Conc: 20.15 ug/ml



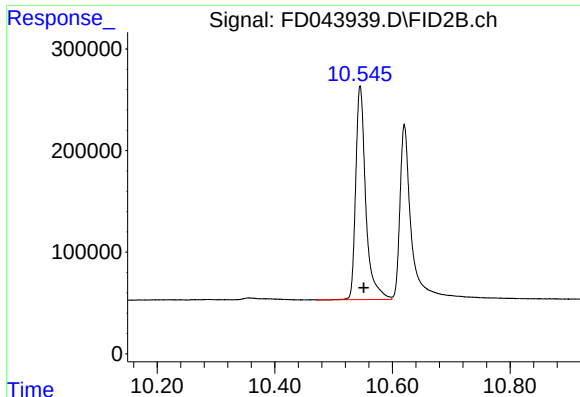
#7 Acenaphthene (C15.5)

R.T.: 8.373 min
Delta R.T.: -0.005 min
Response: 2920894
Conc: 16.69 ug/ml



#8 Fluorene (C16.55)

R.T.: 9.154 min
Delta R.T.: -0.007 min
Response: 2648026
Conc: 18.02 ug/ml



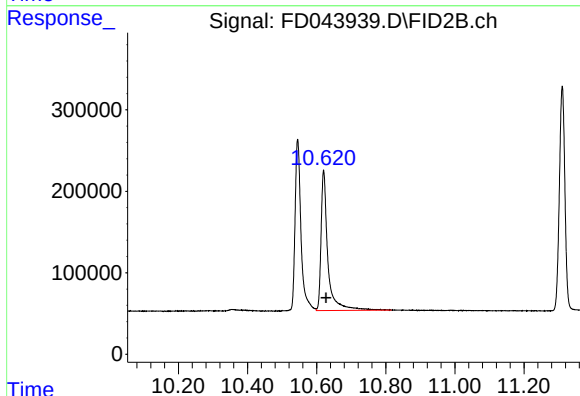
#9 Phenanthrene (C19.36)

R.T.: 10.545 min
Delta R.T.: -0.006 min
Response: 2500357
Conc: 17.28 ug/ml

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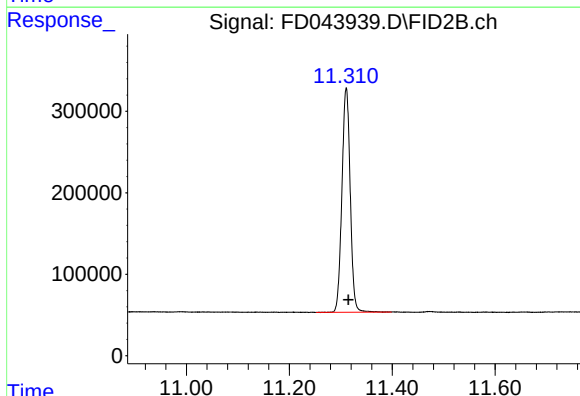
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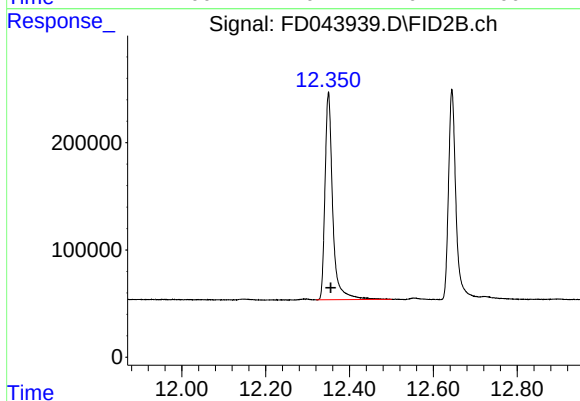
#10 Anthracene (C19.43)

R.T.: 10.621 min
Delta R.T.: -0.007 min
Response: 2355629
Conc: 16.05 ug/ml



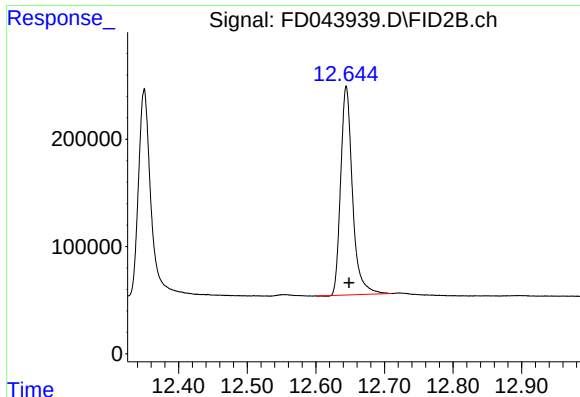
#11 ortho-Terphenyl (SURR)

R.T.: 11.311 min
Delta R.T.: -0.004 min
Response: 3074768
Conc: 16.51 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.350 min
Delta R.T.: -0.005 min
Response: 2480122
Conc: 16.17 ug/ml



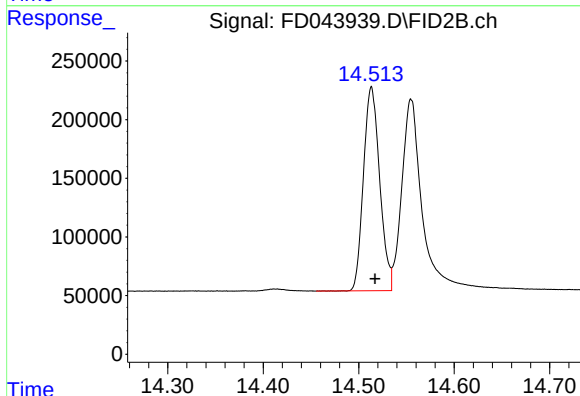
#13 Pyrene (C20.8)

R.T.: 12.644 min
Delta R.T.: -0.004 min
Response: 2328187
Conc: 15.65 ug/ml

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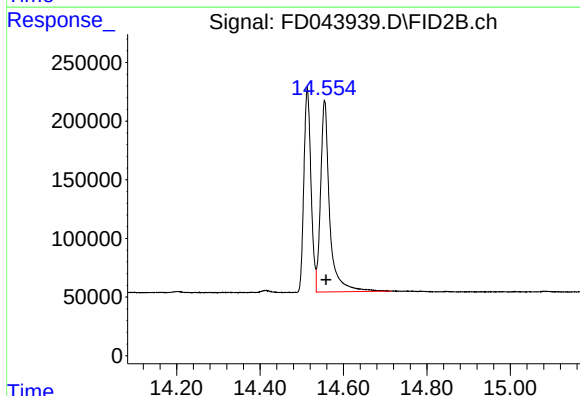
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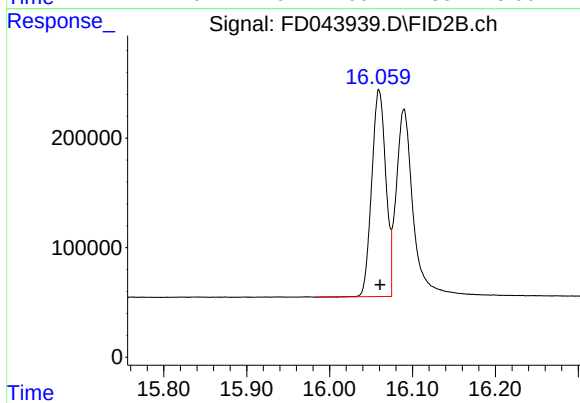
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.513 min
Delta R.T.: -0.004 min
Response: 2045497
Conc: 18.30 ug/ml



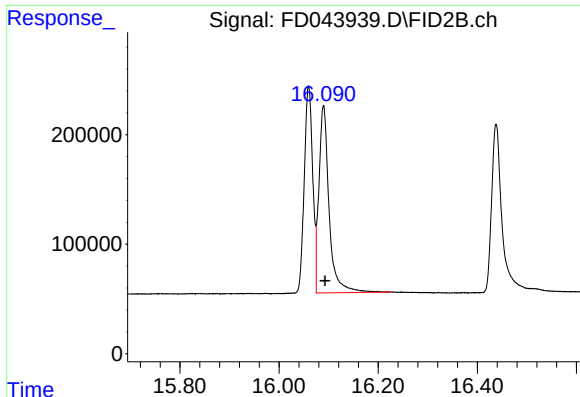
#15 Chrysene (C27.41)

R.T.: 14.555 min
Delta R.T.: -0.003 min
Response: 2476052
Conc: 15.84 ug/ml



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

R.T.: 16.060 min
Delta R.T.: -0.001 min
Response: 2229830
Conc: 19.12 ug/ml



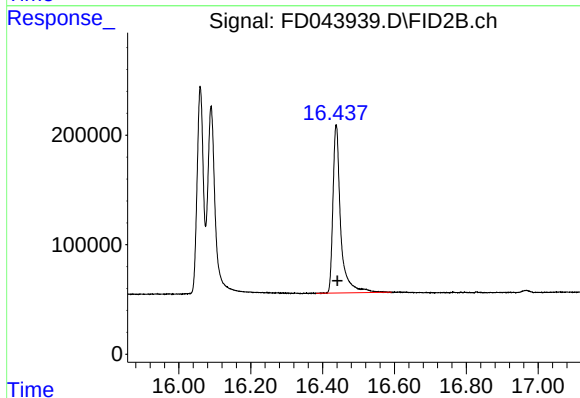
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.090 min
Delta R.T.: -0.003 min
Response: 2449648
Conc: 16.50 ug/ml

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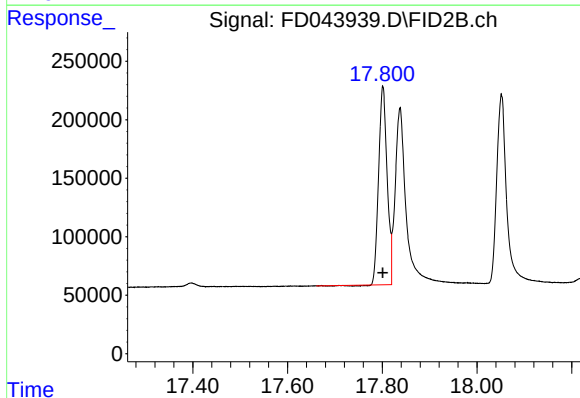
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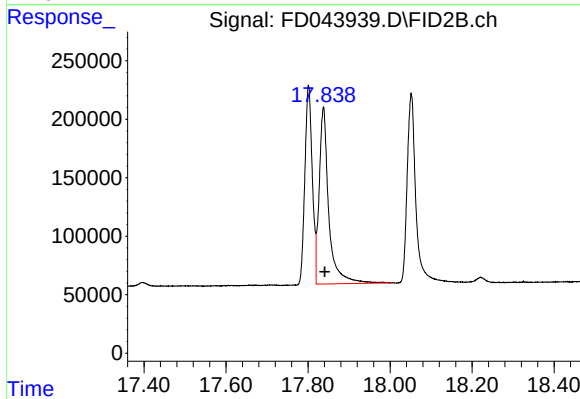
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.438 min
Delta R.T.: -0.004 min
Response: 2302295
Conc: 19.01 ug/ml



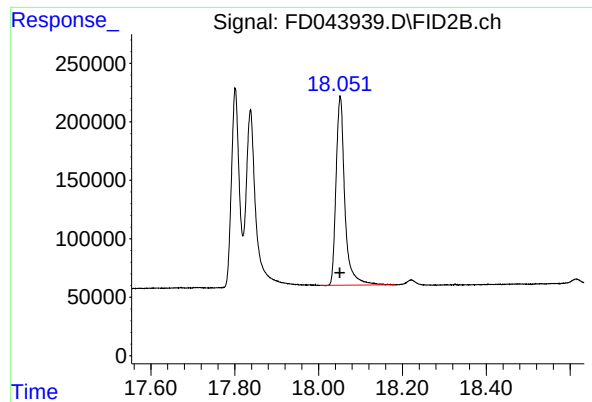
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.801 min
Delta R.T.: 0.000 min
Response: 2109449
Conc: 22.19 ug/ml



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

R.T.: 17.837 min
Delta R.T.: -0.003 min
Response: 2452891
Conc: 20.42 ug/ml



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

R.T.: 18.052 min
Delta R.T.: 0.001 min
Response: 2354128
Conc: 20.66 ug/ml

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