

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD083022AR\
 Data File : FD043766.D
 Signal(s) : FID2B.ch
 Acq On : 30 Aug 2022 16:02
 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 08/31/2022
 Supervised By :Ankita Jodhani 08/31/2022

Integration File: autoint1.e
 Quant Time: Aug 31 03:54:59 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...	7.449	3481768	20.151 ug/ml
Spiked Amount 50.000		Recovery =	40.30%
6) S 2-Fluorobiphenyl (SURR)	8.306	2071068	20.589 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	41.18%
11) S ortho-Terphenyl (SURR)	11.334	4153777	19.855 ug/ml
Spiked Amount 50.000		Recovery =	39.71%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.250	3971724	19.944 ug/ml
2) T Naphthalene (C11.7)	5.787	3925680	19.531 ug/ml
3) T 2-Methylnaphthalene (...)	6.835	3603279	19.963 ug/ml
5) T Acenaphthylene (C15.06)	8.105	3953485	19.778 ug/ml
7) T Acenaphthene (C15.5)	8.396	4253137	19.786 ug/ml
8) T Fluorene (C16.55)	9.179	3767750	19.653 ug/ml
9) T Phenanthrene (C19.36)	10.571	3647330	20.283 ug/ml
10) T Anthracene (C19.43)	10.649	3578001	18.395 ug/ml
12) T Fluoranthene (C21.85)	12.375	3552510	19.480 ug/mlm
13) T Pyrene (C20.8)	12.670	3701637	19.830 ug/ml
14) T Benzo[a]anthracene (C...	14.538	3008685	21.028 ug/ml
15) T Chrysene (C27.41)	14.580	3734732	19.350 ug/ml
16) T benzo[b]fluoranthene ...	16.082	3050137	21.137 ug/mlm
17) T Bnezo[k]fluoranthene ...	16.114	3040064	17.675 ug/mlm
18) T Benzo[a]pyrene (C31.34)	16.462	2574285	17.728 ug/mlm
19) T Indeno[1,2,3-cd]pyren...	17.824	2393083	23.140 ug/mlm
20) T Dibenz[a,h]anthracene...	17.861	2717392	19.310 ug/mlm
21) T Benzo[g,h,i]perylene ...	18.073	2690591	21.135 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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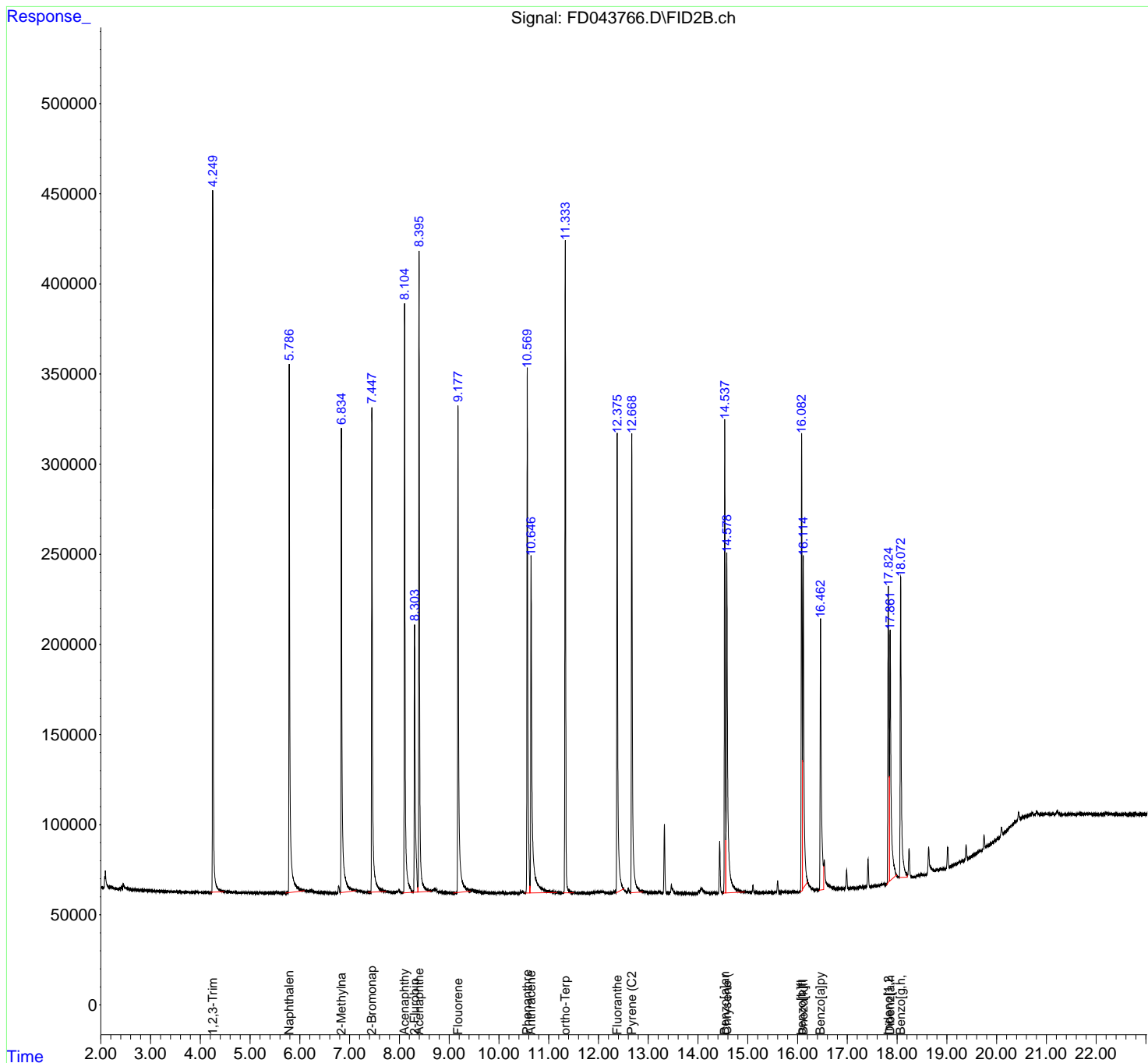
Instrument :
 FID_D
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 20 PPM AROMATIC HC STD

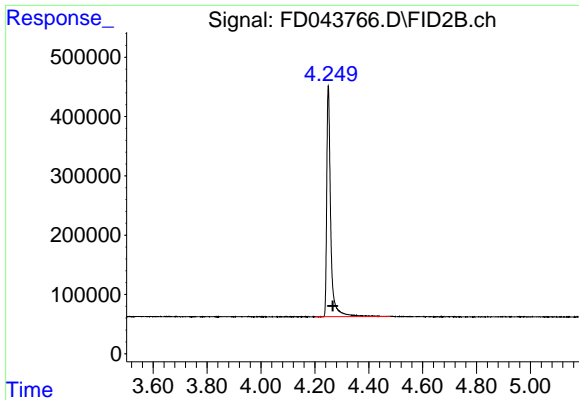
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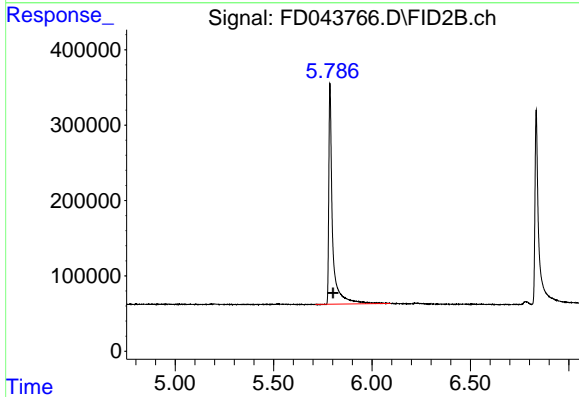
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.250 min
 Delta R.T.: -0.017 min
 Response: 3971724
 Conc: 19.94 ug/ml

Instrument : FID_D
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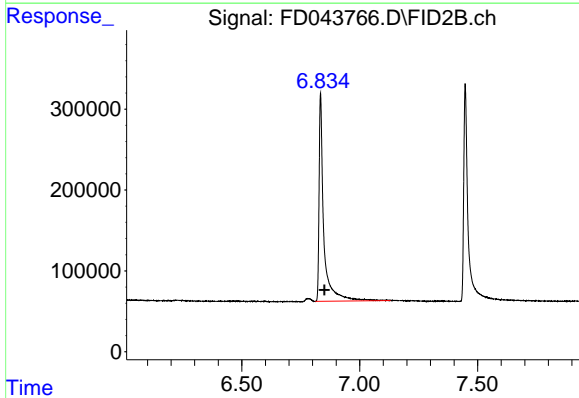
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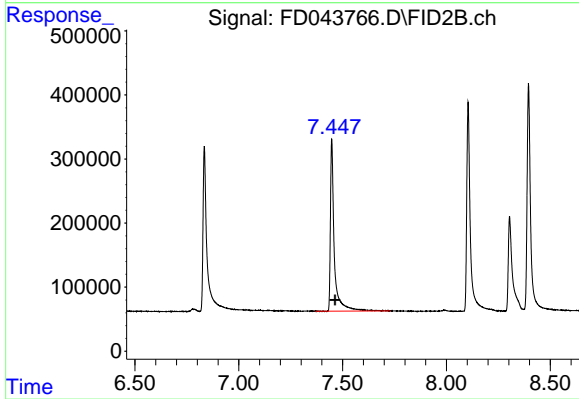
#2 Naphthalene (C11.7)

R.T.: 5.787 min
 Delta R.T.: -0.016 min
 Response: 3925680
 Conc: 19.53 ug/ml



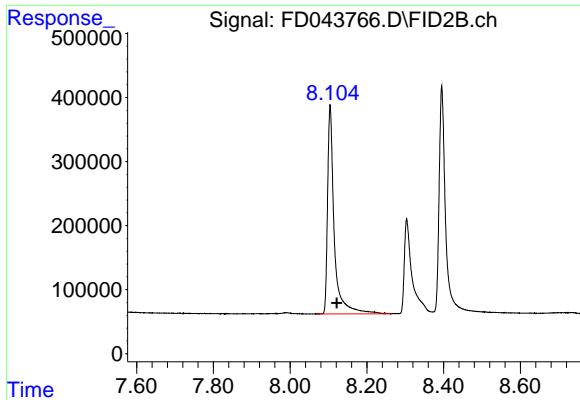
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.835 min
 Delta R.T.: -0.015 min
 Response: 3603279
 Conc: 19.96 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.449 min
 Delta R.T.: -0.014 min
 Response: 3481768
 Conc: 20.15 ug/ml



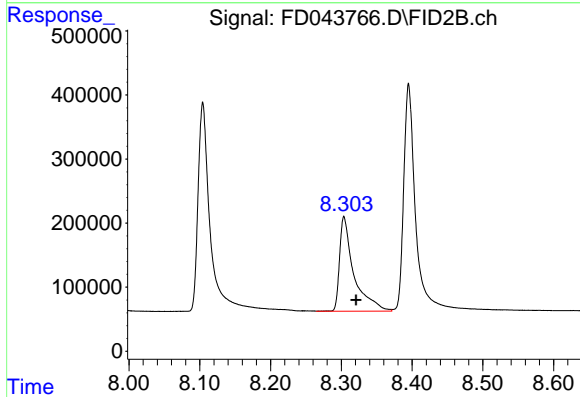
#5 Acenaphthylene (C15.06)

R.T.: 8.105 min
 Delta R.T.: -0.016 min
 Response: 3953485
 Conc: 19.78 ug/ml

Instrument : FID_D
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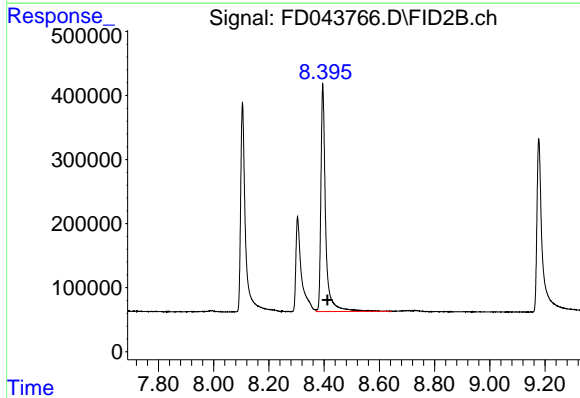
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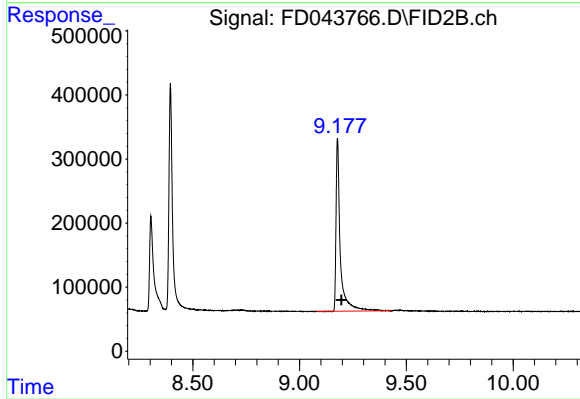
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.306 min
 Delta R.T.: -0.015 min
 Response: 2071068
 Conc: 20.59 ug/ml



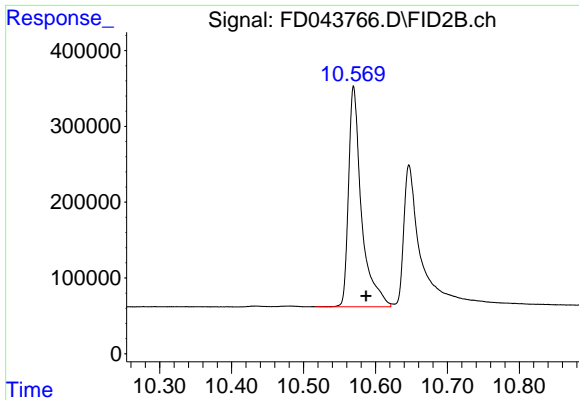
#7 Acenaphthene (C15.5)

R.T.: 8.396 min
 Delta R.T.: -0.016 min
 Response: 4253137
 Conc: 19.79 ug/ml



#8 Fluorene (C16.55)

R.T.: 9.179 min
 Delta R.T.: -0.016 min
 Response: 3767750
 Conc: 19.65 ug/ml



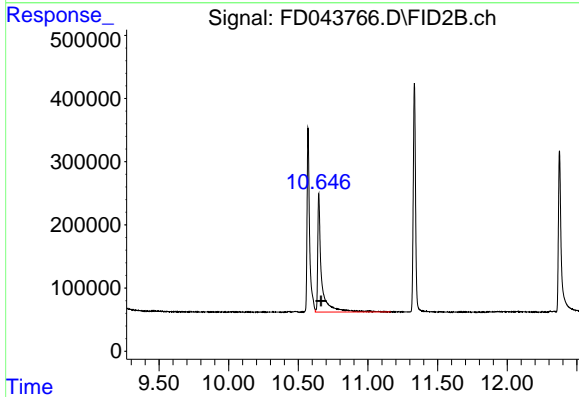
#9 Phenanthrene (C19.36)

R.T.: 10.571 min
 Delta R.T.: -0.016 min
 Response: 3647330
 Conc: 20.28 ug/ml

Instrument : FID_D
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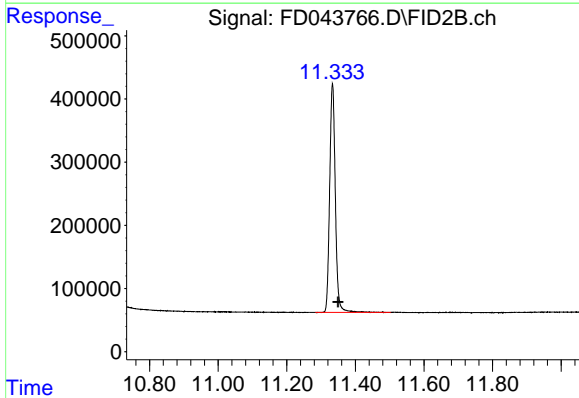
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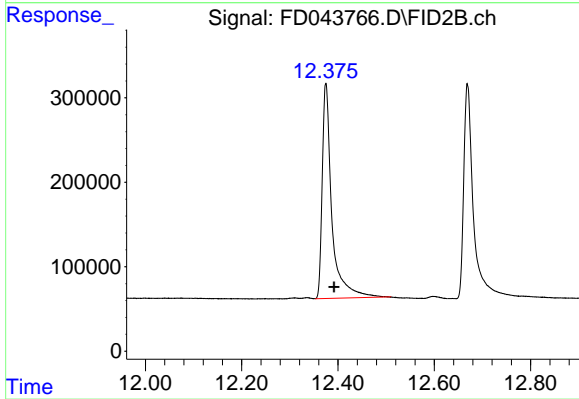
#10 Anthracene (C19.43)

R.T.: 10.649 min
 Delta R.T.: -0.015 min
 Response: 3578001
 Conc: 18.40 ug/ml



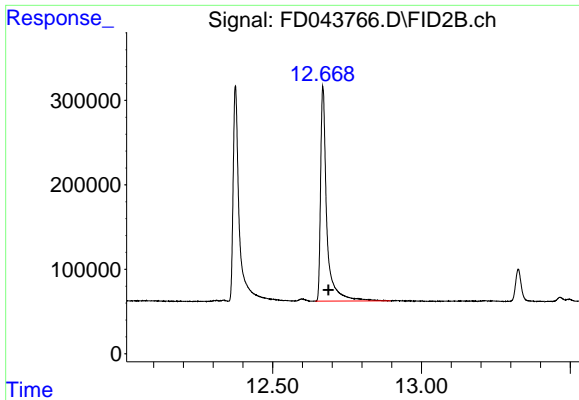
#11 ortho-Terphenyl (SURR)

R.T.: 11.334 min
 Delta R.T.: -0.017 min
 Response: 4153777
 Conc: 19.85 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.375 min
 Delta R.T.: -0.017 min
 Response: 3552510
 Conc: 19.48 ug/ml m



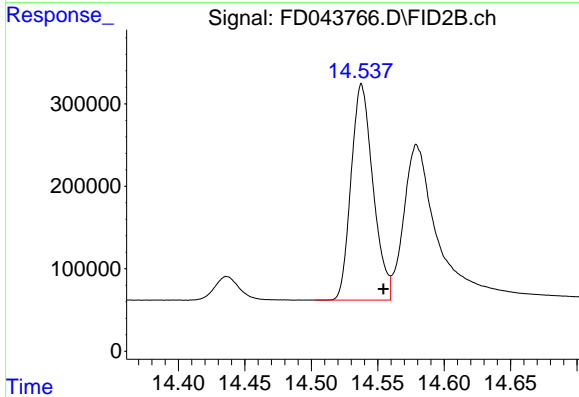
#13 Pyrene (C20.8)

R.T.: 12.670 min
 Delta R.T.: -0.017 min
 Response: 3701637
 Conc: 19.83 ug/ml

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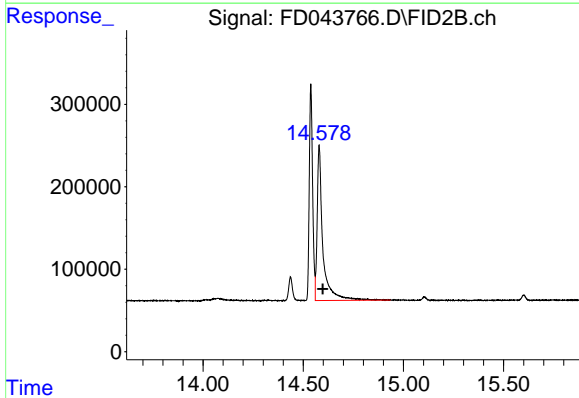
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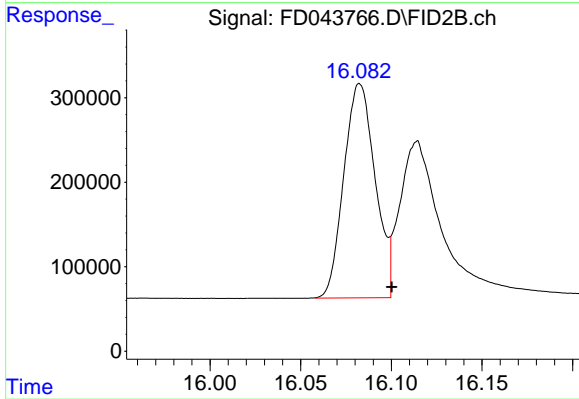
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.538 min
 Delta R.T.: -0.016 min
 Response: 3008685
 Conc: 21.03 ug/ml



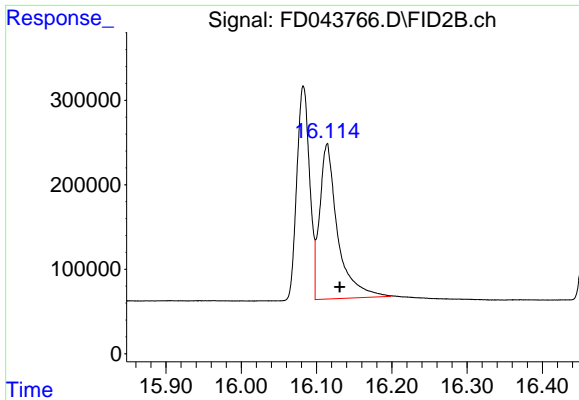
#15 Chrysene (C27.41)

R.T.: 14.580 min
 Delta R.T.: -0.016 min
 Response: 3734732
 Conc: 19.35 ug/ml



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

R.T.: 16.082 min
 Delta R.T.: -0.018 min
 Response: 3050137
 Conc: 21.14 ug/ml m



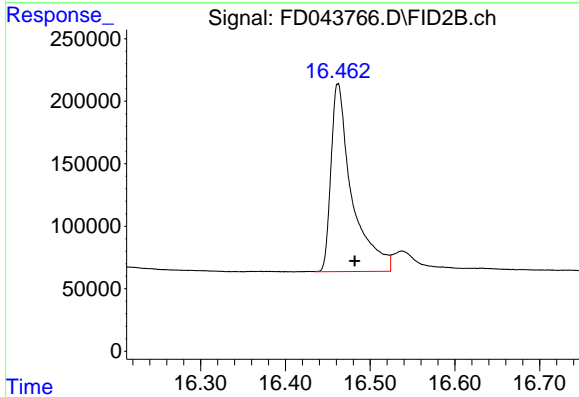
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.114 min
 Delta R.T.: -0.016 min
 Response: 3040064
 Conc: 17.68 ug/ml

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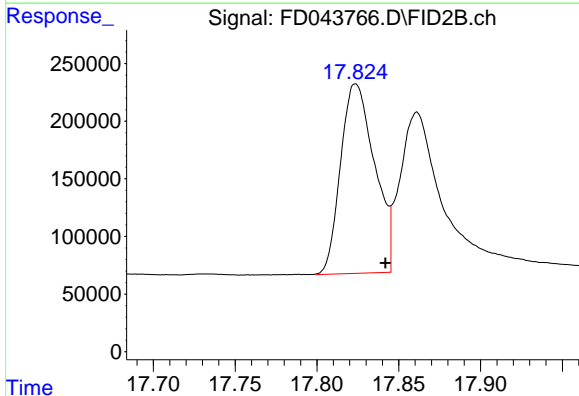
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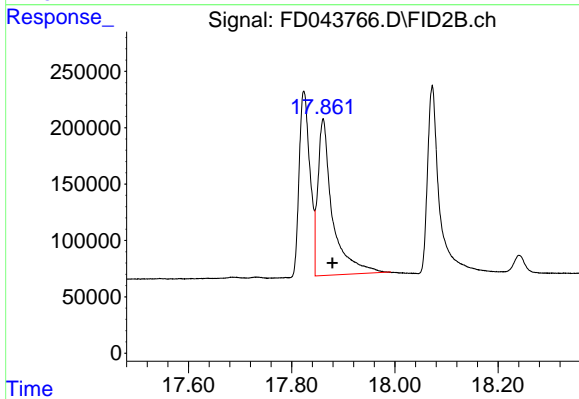
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.462 min
 Delta R.T.: -0.019 min
 Response: 2574285
 Conc: 17.73 ug/ml m



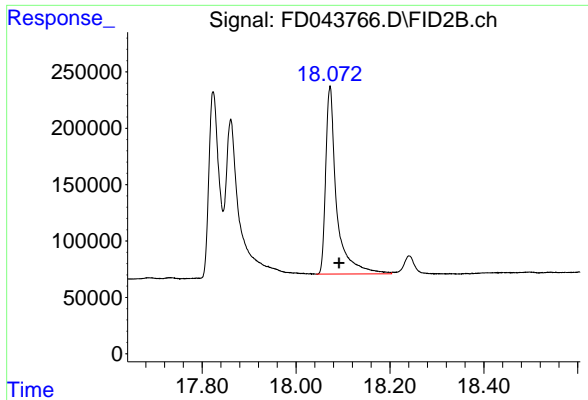
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.824 min
 Delta R.T.: -0.018 min
 Response: 2393083
 Conc: 23.14 ug/ml m



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

R.T.: 17.861 min
 Delta R.T.: -0.018 min
 Response: 2717392
 Conc: 19.31 ug/ml m



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

R.T.: 18.073 min
Delta R.T.: -0.019 min
Response: 2690591
Conc: 21.14 ug/ml

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