

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD051222AR\
 Data File : FD042431.D
 Signal(s) : FID2B.CH
 Acq On : 13 May 2022 1:45
 Operator : UA/NP
 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 05/13/2022
 Supervised By :mohammad ahmed 05/13/2022

Integration File: sample.E
 Quant Time: May 13 03:12:41 2022
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 042122.M
 Quant Title : GC Extractables
 QLast Update : Thu Apr 21 17:32:22 2022
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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...	7.332	3107543	22.170 ug/ml
Spiked Amount 50.000		Recovery =	44.34%
6) S 2-Fluorobiphenyl (SURR)	8.185	1593422	22.363 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	44.73%
11) S ortho-Terphenyl (SURR)	11.204	3323547	19.175 ug/ml
Spiked Amount 50.000		Recovery =	38.35%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.156	3683910	23.663 ug/ml
2) T Naphthalene (C11.7)	5.677	3524505	22.342 ug/ml
3) T 2-Methylnaphthalene (...)	6.722	3109880	21.506 ug/ml
5) T Acenaphthylene (C15.06)	7.982	3309903	20.084 ug/ml
7) T Acenaphthene (C15.5)	8.274	3730731	19.871 ug/ml
8) T Flouorene (C16.55)	9.054	3143995	20.641 ug/ml
9) T Phenanthrene (C19.36)	10.439	2785467	18.759 ug/ml
10) T Anthracene (C19.43)	10.517	2691829	16.079 ug/ml
12) T Fluoranthene (C21.85)	12.241	2851846	18.181 ug/ml
13) T Pyrene (C20.8)	12.534	2918026	17.890 ug/ml
14) T Benzo[a]anthracene (C...	14.405	2384602	19.935 ug/ml
15) T Chrysene (C27.41)	14.445	3045601	16.601 ug/mlm
16) T benzo[b]fluoranthene ...	15.953	2712763	20.661 ug/ml
17) T Bnezo[k]fluoranthene ...	15.983	3343117	19.337 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.334	2733220	18.525 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.699	2206165	22.103 ug/mlm
20) T Dibenz[a,h]anthracene...	17.736	3581452	22.818 ug/ml
21) T Benzo[g,h,i]perylene ...	17.948	2867014	20.702 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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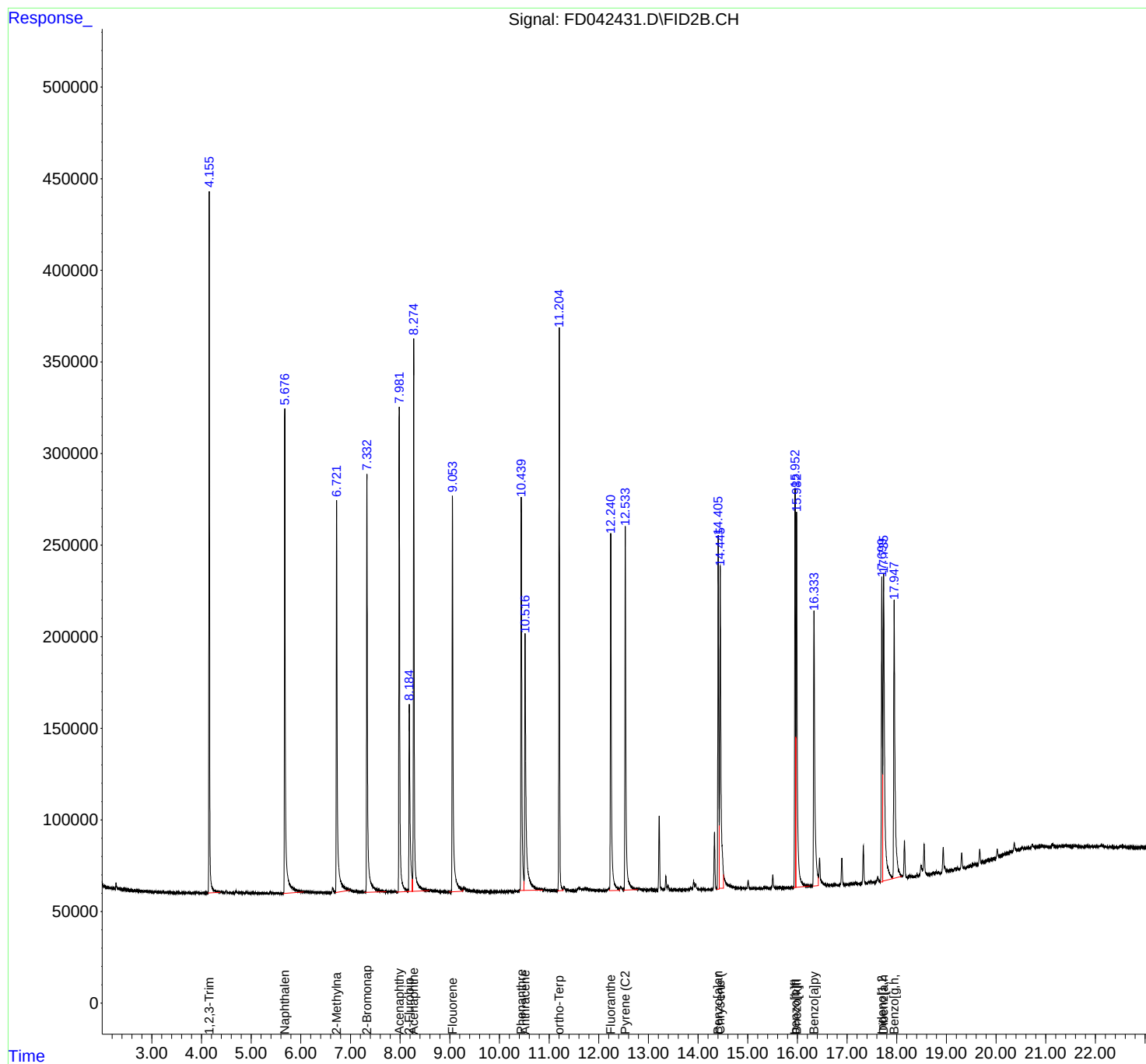
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 20 PPM AROMATIC HC STD

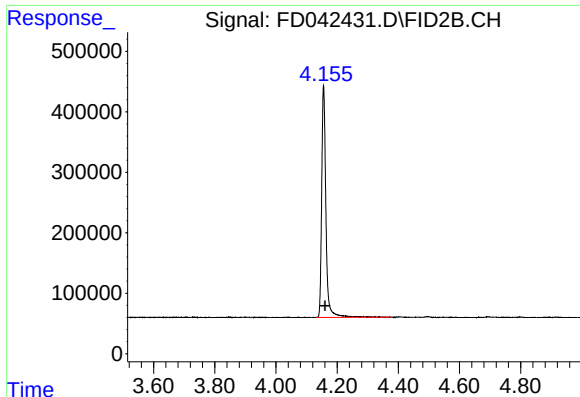
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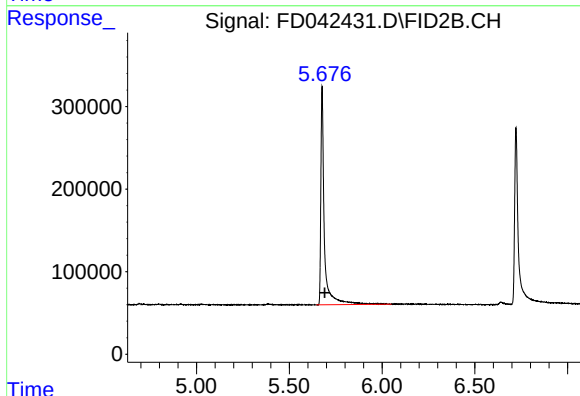
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.156 min
Delta R.T.: -0.004 min
Response: 3683910
Conc: 23.66 ug/ml

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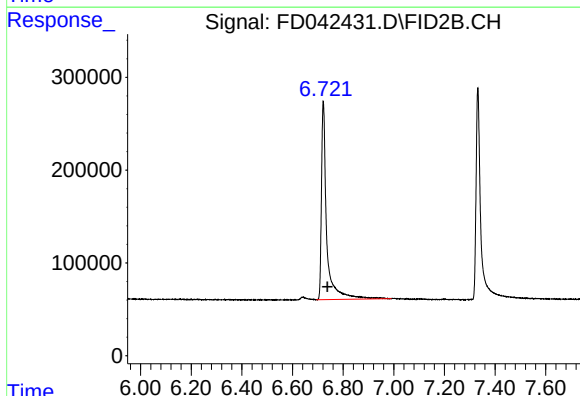
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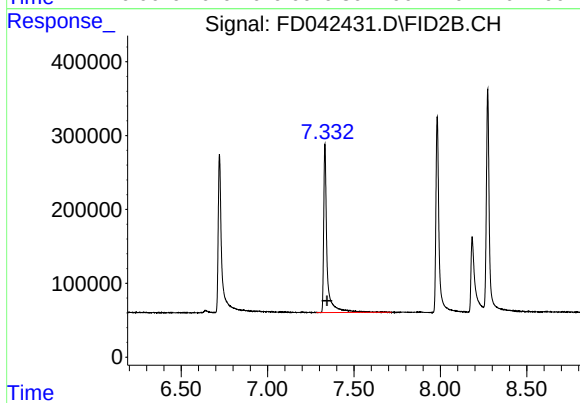
#2 Naphthalene (C11.7)

R.T.: 5.677 min
Delta R.T.: -0.013 min
Response: 3524505
Conc: 22.34 ug/ml



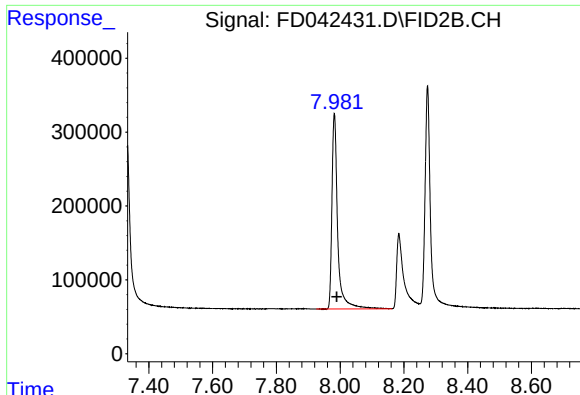
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.722 min
Delta R.T.: -0.016 min
Response: 3109880
Conc: 21.51 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.332 min
Delta R.T.: -0.013 min
Response: 3107543
Conc: 22.17 ug/ml



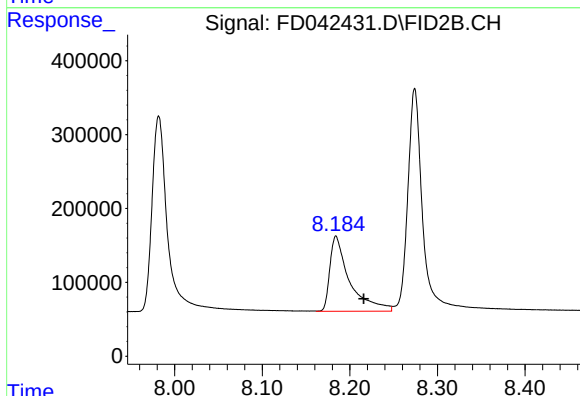
#5 Acenaphthylene (C15.06)

R.T.: 7.982 min
Delta R.T.: -0.007 min
Response: 3309903
Conc: 20.08 ug/ml

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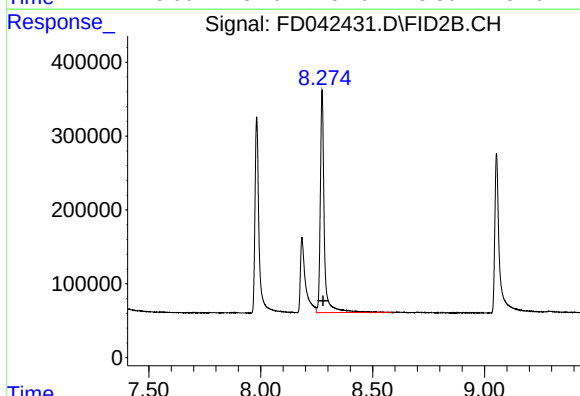
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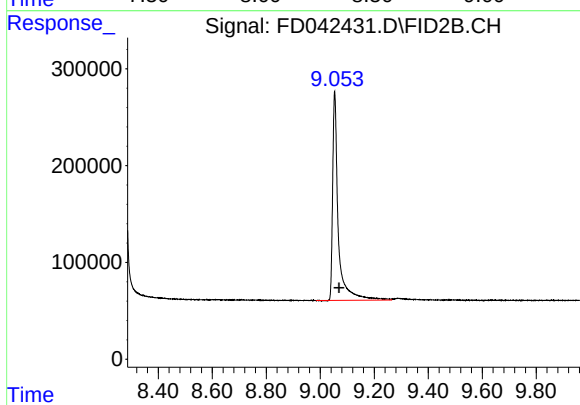
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.185 min
Delta R.T.: -0.031 min
Response: 1593422
Conc: 22.36 ug/ml



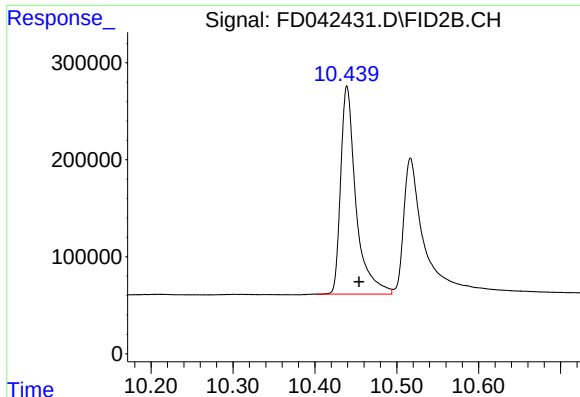
#7 Acenaphthene (C15.5)

R.T.: 8.274 min
Delta R.T.: -0.004 min
Response: 3730731
Conc: 19.87 ug/ml



#8 Fluorene (C16.55)

R.T.: 9.054 min
Delta R.T.: -0.016 min
Response: 3143995
Conc: 20.64 ug/ml



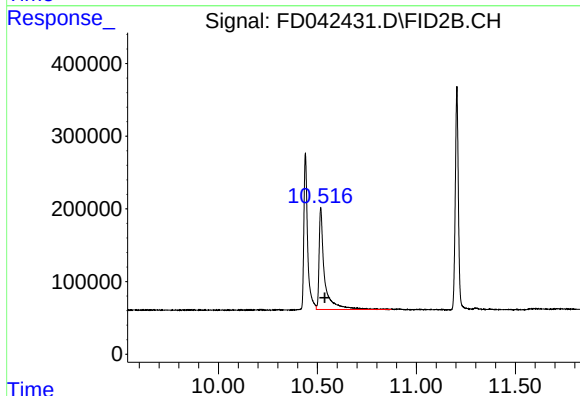
#9 Phenanthrene (C19.36)

R.T.: 10.439 min
Delta R.T.: -0.015 min
Response: 2785467
Conc: 18.76 ug/ml

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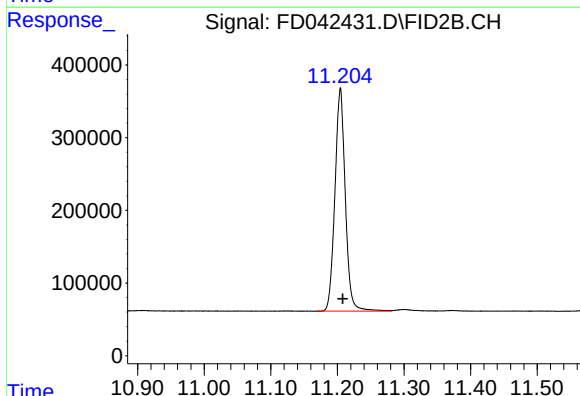
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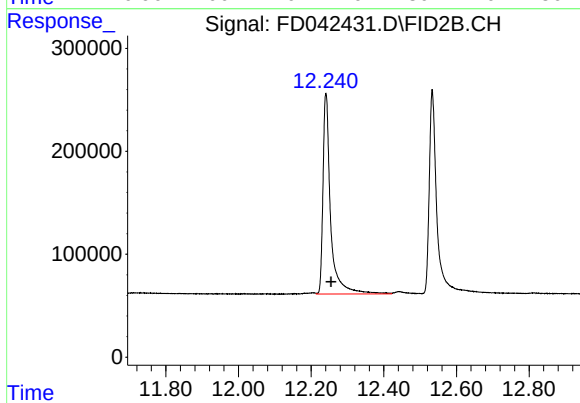
#10 Anthracene (C19.43)

R.T.: 10.517 min
Delta R.T.: -0.020 min
Response: 2691829
Conc: 16.08 ug/ml



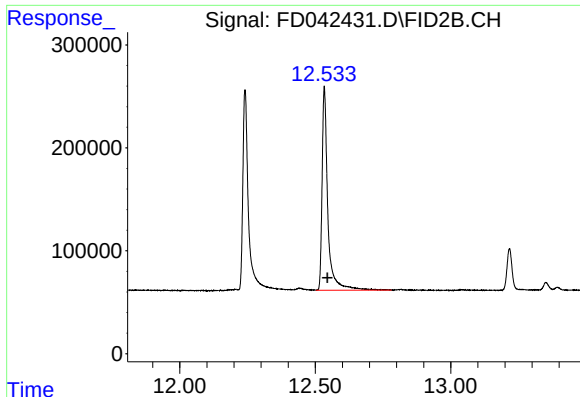
#11 ortho-Terphenyl (SURR)

R.T.: 11.204 min
Delta R.T.: -0.004 min
Response: 3323547
Conc: 19.17 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.241 min
Delta R.T.: -0.014 min
Response: 2851846
Conc: 18.18 ug/ml



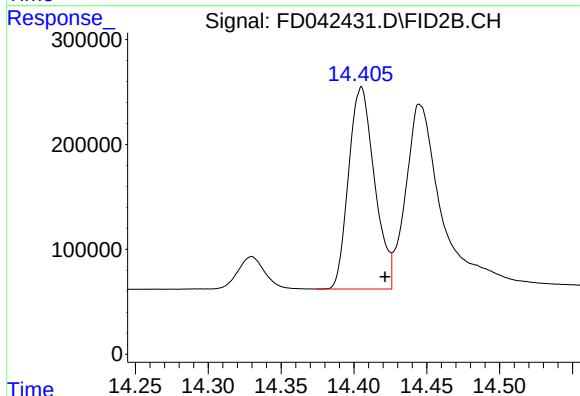
#13 Pyrene (C20.8)

R.T.: 12.534 min
Delta R.T.: -0.011 min
Response: 2918026
Conc: 17.89 ug/ml

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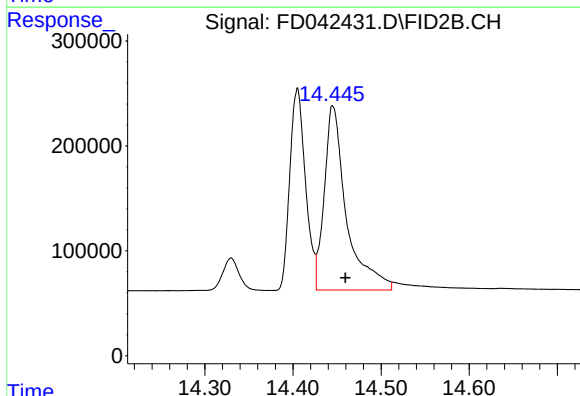
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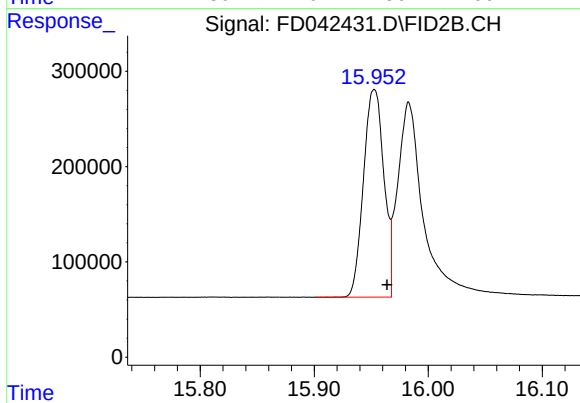
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.405 min
Delta R.T.: -0.016 min
Response: 2384602
Conc: 19.94 ug/ml



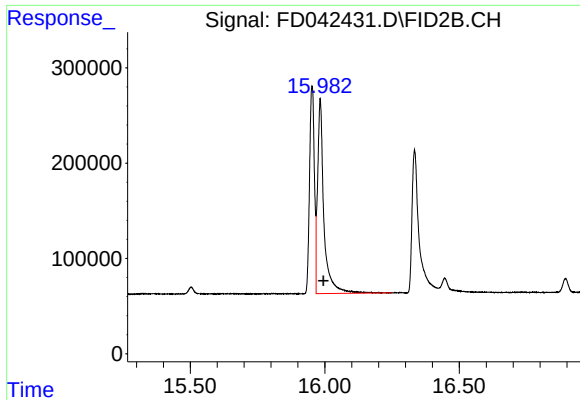
#15 Chrysene (C27.41)

R.T.: 14.445 min
Delta R.T.: -0.015 min
Response: 3045601
Conc: 16.60 ug/ml m



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

R.T.: 15.953 min
Delta R.T.: -0.011 min
Response: 2712763
Conc: 20.66 ug/ml



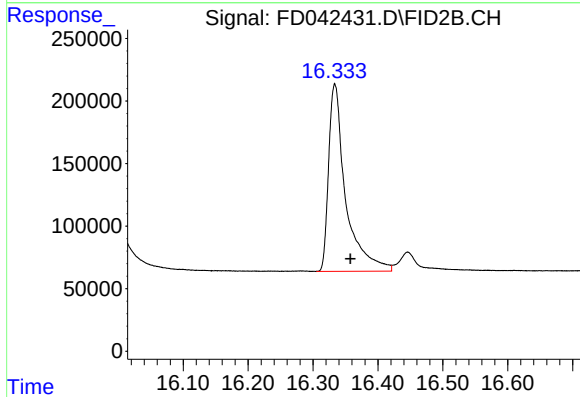
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 15.983 min
Delta R.T.: -0.012 min
Response: 3343117
Conc: 19.34 ug/ml

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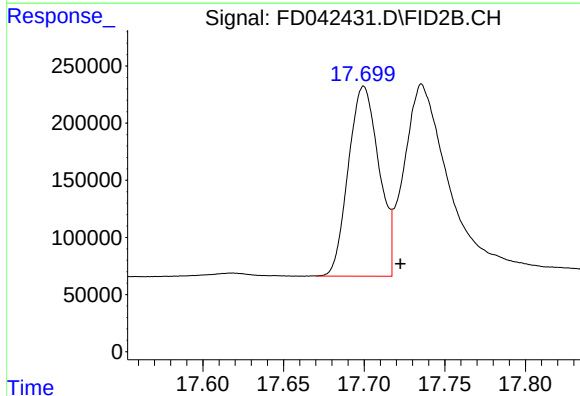
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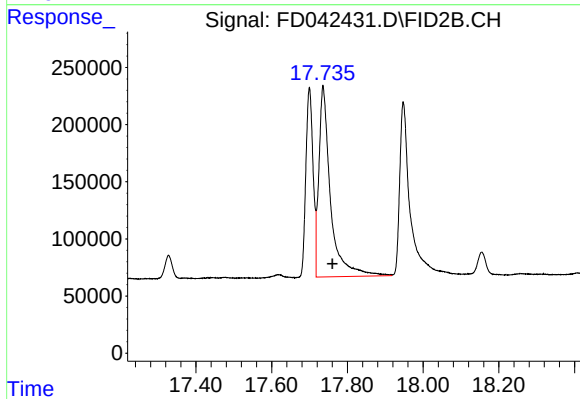
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.334 min
Delta R.T.: -0.024 min
Response: 2733220
Conc: 18.52 ug/ml



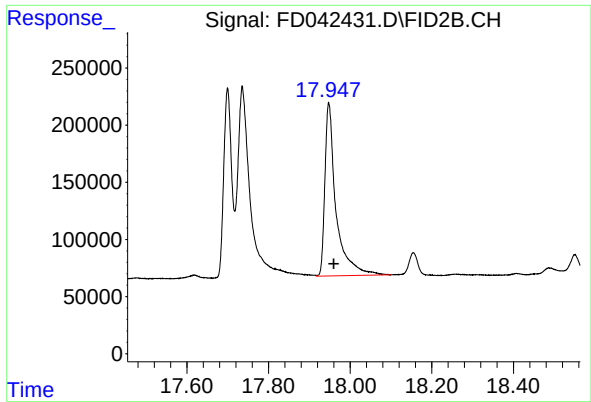
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.699 min
Delta R.T.: -0.023 min
Response: 2206165
Conc: 22.10 ug/ml m



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

R.T.: 17.736 min
Delta R.T.: -0.025 min
Response: 3581452
Conc: 22.82 ug/ml



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

R.T.: 17.948 min
Delta R.T.: -0.012 min
Response: 2867014
Conc: 20.70 ug/ml

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