

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD102224AR\
 Data File : FD048560.D
 Signal(s) : FID2B.ch
 Acq On : 23 Oct 2024 08:30
 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 10/23/2024
 Supervised By :Ankita Jodhani 10/24/2024

Integration File: autoint1.e
 Quant Time: Oct 23 11:15:24 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 093024.M
 Quant Title : GC Extractables
 QLast Update : Mon Sep 30 14:17:34 2024
 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...	7.373	3525385	21.293 ug/ml
Spiked Amount 50.000		Recovery =	42.59%
6) S 2-Fluorobiphenyl (SURR)	8.224	2306789	22.244 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	44.49%
11) S ortho-Terphenyl (SURR)	11.258	3865893	21.011 ug/ml
Spiked Amount 50.000		Recovery =	42.02%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.196	4001432	22.832 ug/ml
2) T Naphthalene (C11.7)	5.714	4156253	22.260 ug/ml
3) T 2-Methylnaphthalene (...)	6.761	4140663	21.910 ug/ml
5) T Acenaphthylene (C15.06)	8.026	4012235	20.914 ug/ml
7) T Acenaphthene (C15.5)	8.320	4066576	21.499 ug/ml
8) T Fluorene (C16.55)	9.099	3911944	21.652 ug/ml
9) T Phenanthrene (C19.36)	10.485	3796924	21.424 ug/ml
10) T Anthracene (C19.43)	10.560	3291716	18.499 ug/ml
12) T Fluoranthene (C21.85)	12.288	3740967	20.683 ug/ml
13) T Pyrene (C20.8)	12.582	3694361	20.631 ug/ml
14) T Benzo[a]anthracene (C...	14.451	3381231	21.157 ug/ml
15) T Chrysene (C27.41)	14.492	3532694	18.939 ug/ml
16) T benzo[b]fluoranthene ...	15.997	3540329	21.258 ug/mlm
17) T Bnezo[k]fluoranthene ...	16.029	3404860	20.058 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.373	3490880	21.358 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.736	3090975	23.498 ug/mlm
20) T Dibenz[a,h]anthracene...	17.776	3790233	22.651 ug/ml
21) T Benzo[g,h,i]perylene ...	17.987	3517298	21.655 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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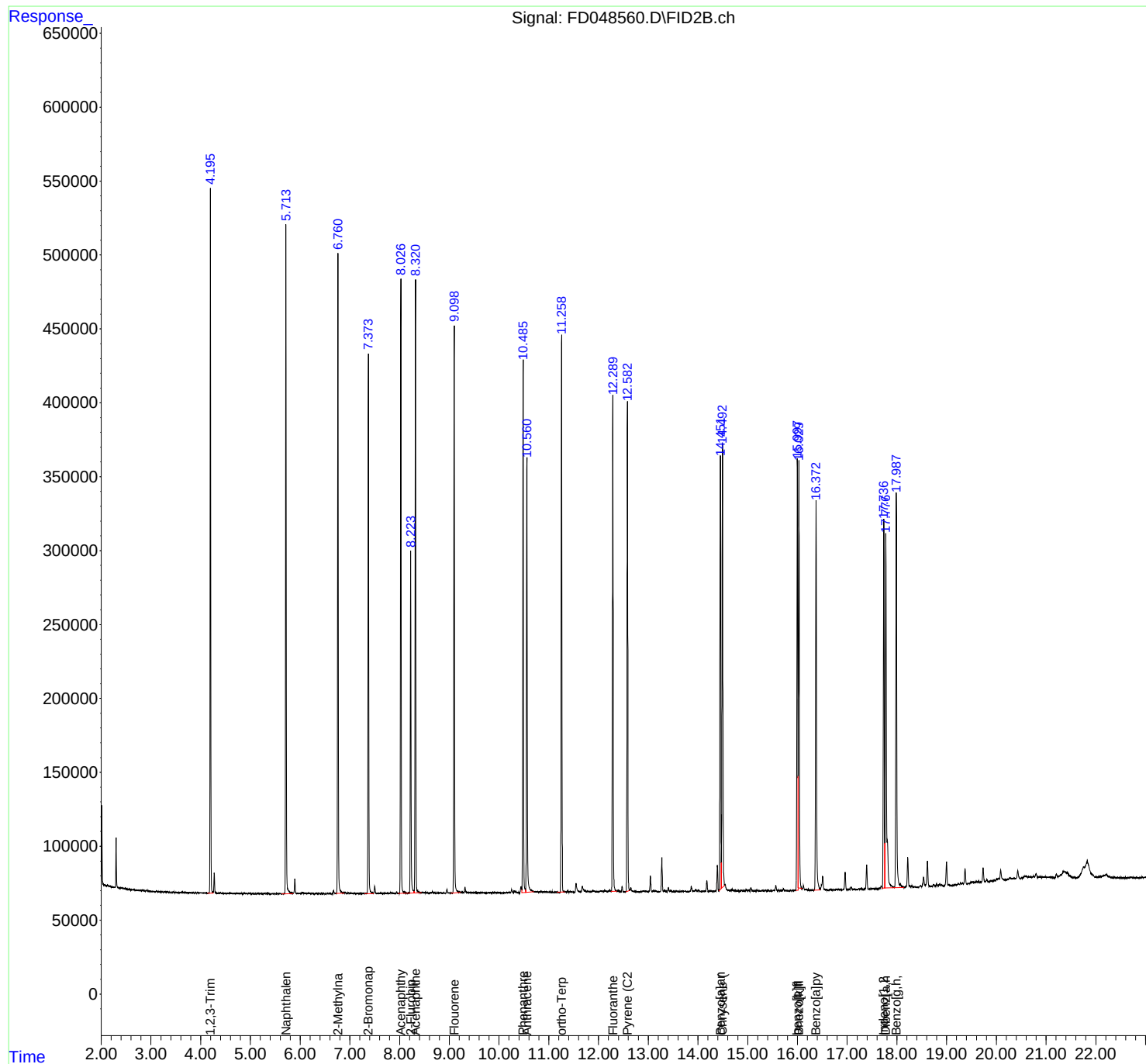
Instrument :
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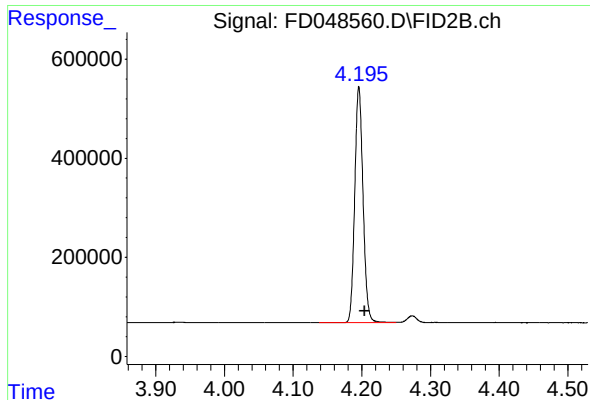
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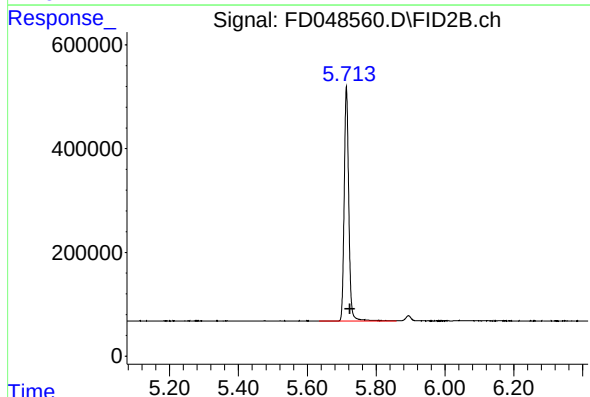
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.196 min
Delta R.T.: -0.008 min
Response: 4001432
Conc: 22.83 ug/ml

Instrument :
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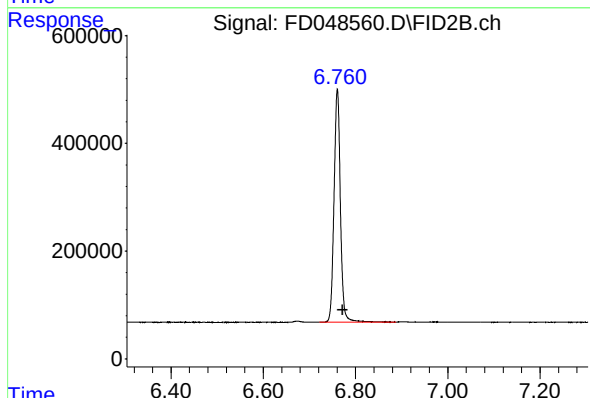
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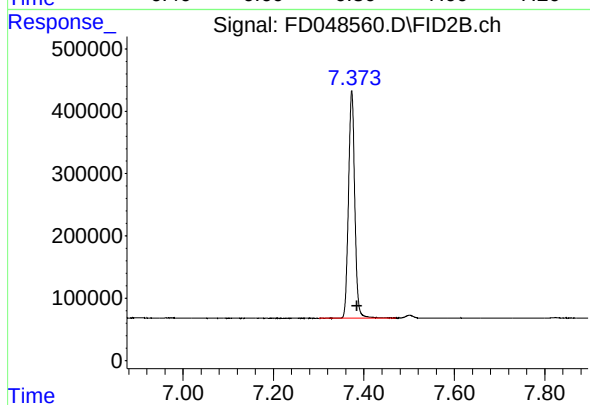
#2 Naphthalene (C11.7)

R.T.: 5.714 min
Delta R.T.: -0.011 min
Response: 4156253
Conc: 22.26 ug/ml



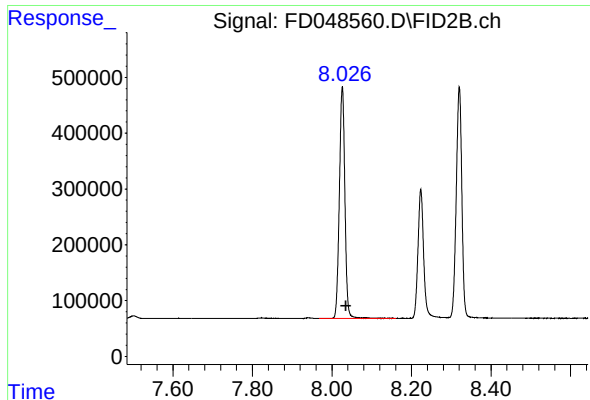
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.761 min
Delta R.T.: -0.011 min
Response: 4140663
Conc: 21.91 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.373 min
Delta R.T.: -0.011 min
Response: 3525385
Conc: 21.29 ug/ml



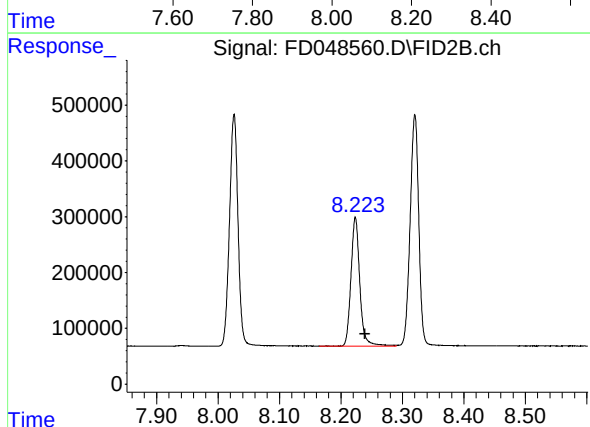
#5 Acenaphthylene (C15.06)

R.T.: 8.026 min
Delta R.T.: -0.009 min
Response: 4012235
Conc: 20.91 ug/ml

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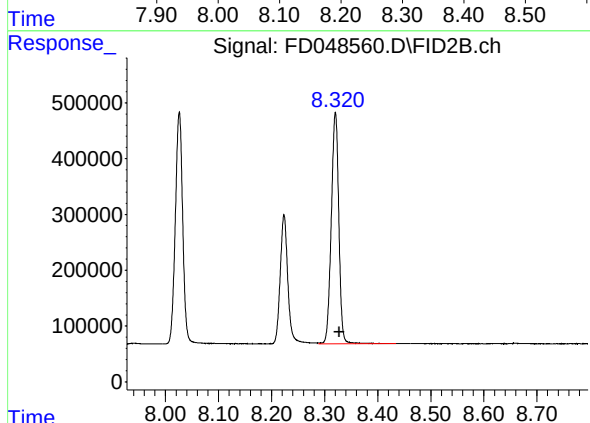
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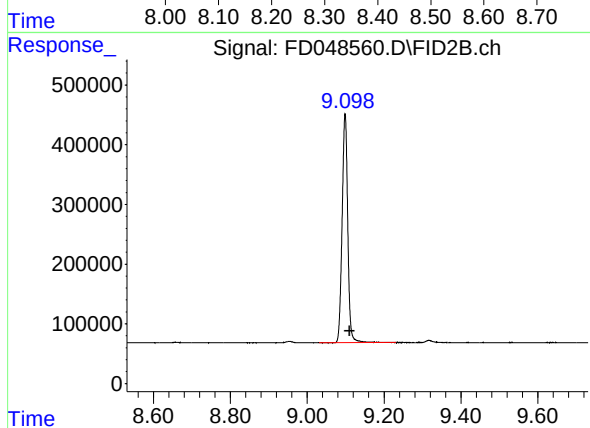
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.224 min
Delta R.T.: -0.015 min
Response: 2306789
Conc: 22.24 ug/ml



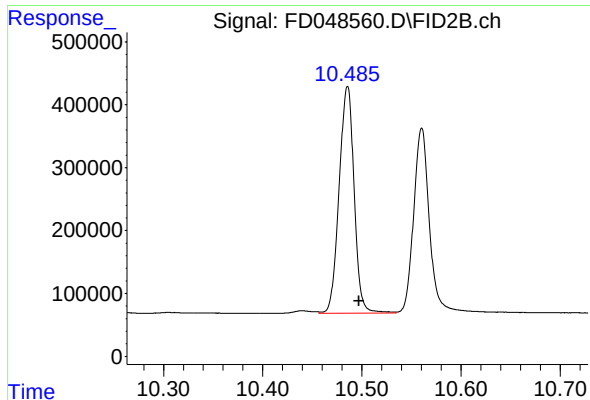
#7 Acenaphthene (C15.5)

R.T.: 8.320 min
Delta R.T.: -0.007 min
Response: 4066576
Conc: 21.50 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.099 min
Delta R.T.: -0.012 min
Response: 3911944
Conc: 21.65 ug/ml



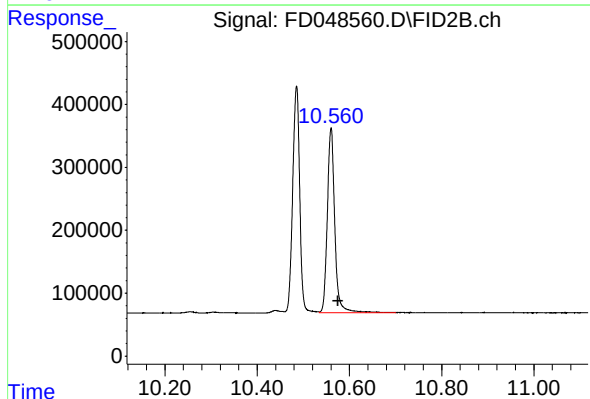
#9 Phenanthrene (C19.36)

R.T.: 10.485 min
Delta R.T.: -0.012 min
Response: 3796924
Conc: 21.42 ug/ml

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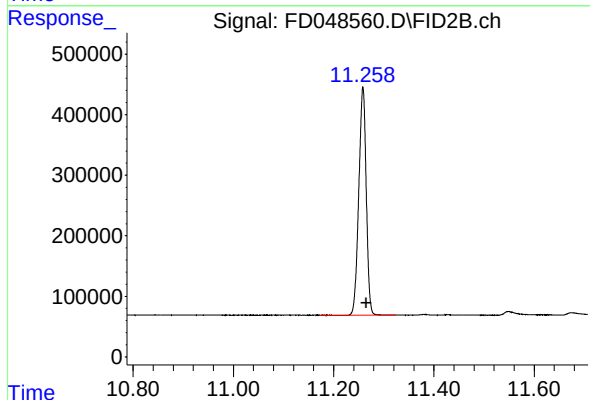
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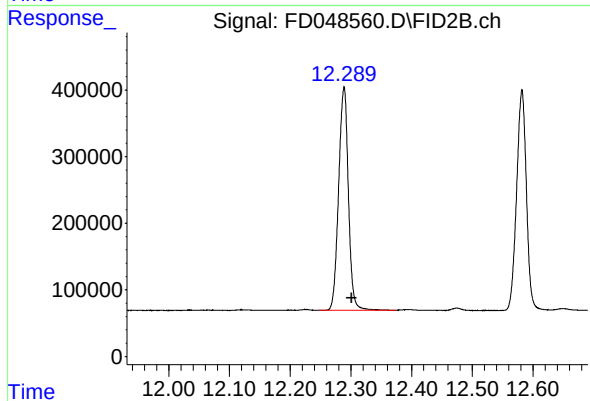
#10 Anthracene (C19.43)

R.T.: 10.560 min
Delta R.T.: -0.015 min
Response: 3291716
Conc: 18.50 ug/ml



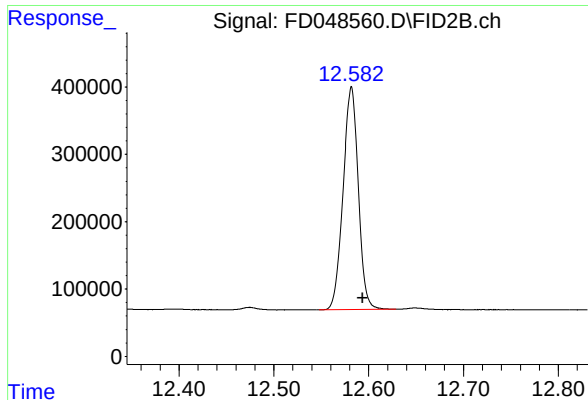
#11 ortho-Terphenyl (SURR)

R.T.: 11.258 min
Delta R.T.: -0.007 min
Response: 3865893
Conc: 21.01 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.288 min
Delta R.T.: -0.013 min
Response: 3740967
Conc: 20.68 ug/ml



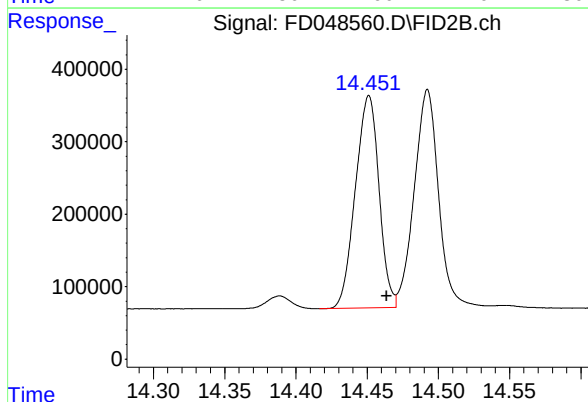
#13 Pyrene (C20.8)

R.T.: 12.582 min
Delta R.T.: -0.012 min
Response: 3694361
Conc: 20.63 ug/ml

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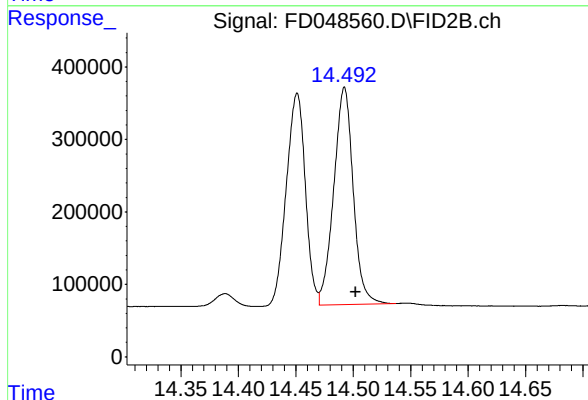
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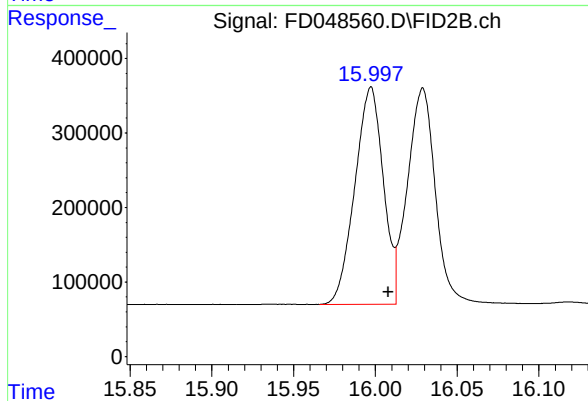
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.451 min
Delta R.T.: -0.013 min
Response: 3381231
Conc: 21.16 ug/ml



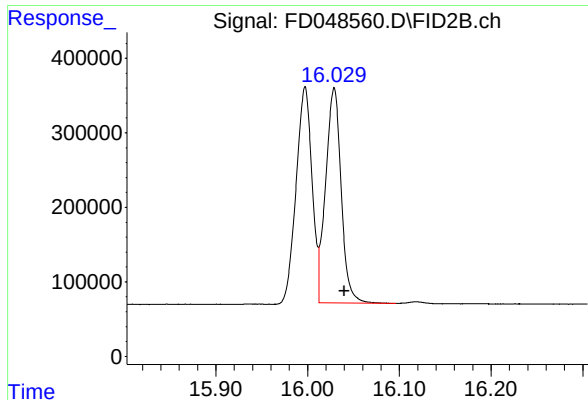
#15 Chrysene (C27.41)

R.T.: 14.492 min
Delta R.T.: -0.010 min
Response: 3532694
Conc: 18.94 ug/ml



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

R.T.: 15.997 min
Delta R.T.: -0.011 min
Response: 3540329
Conc: 21.26 ug/ml m



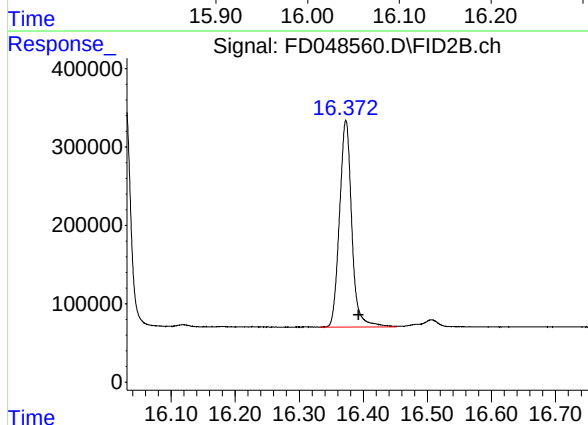
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.029 min
Delta R.T.: -0.011 min
Response: 3404860
Conc: 20.06 ug/ml

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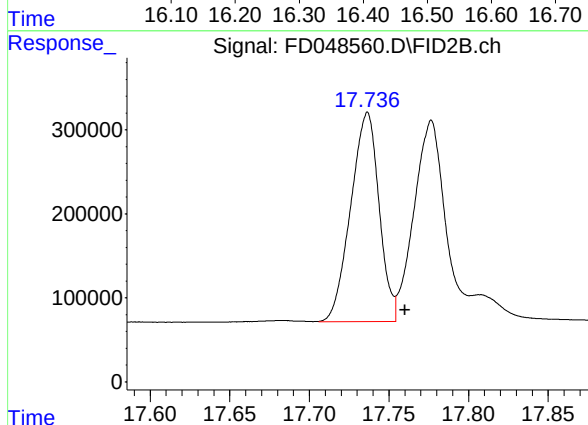
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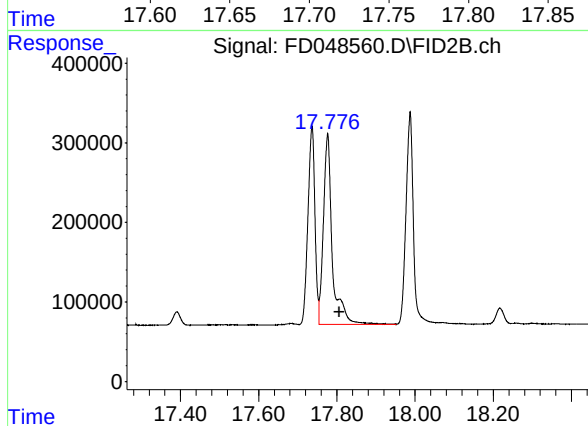
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.373 min
Delta R.T.: -0.020 min
Response: 3490880
Conc: 21.36 ug/ml



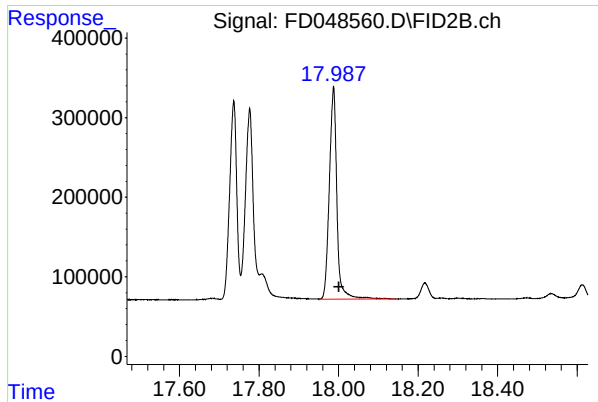
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.736 min
Delta R.T.: -0.024 min
Response: 3090975
Conc: 23.50 ug/ml m



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

R.T.: 17.776 min
Delta R.T.: -0.030 min
Response: 3790233
Conc: 22.65 ug/ml



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

R.T.: 17.987 min
Delta R.T.: -0.014 min
Response: 3517298
Conc: 21.65 ug/ml

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