

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD121024AR\
 Data File : FD048866.D
 Signal(s) : FID2B.ch
 Acq On : 10 Dec 2024 05:24
 Operator : YP/AJ
 Sample : 5 PPM AROMATIC HC STD5
 Misc :
 ALS Vial : 75 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 5 PPM AROMATIC HC STD5

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/10/2024
 Supervised By :Ankita Jodhani 12/10/2024

Integration File: autoint1.e
 Quant Time: Dec 10 06:02:03 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 121024.M
 Quant Title : GC Extractables
 QLast Update : Tue Dec 10 05:59:54 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...	7.368	863222	5.095 ug/ml
Spiked Amount 50.000		Recovery =	10.19%
6) S 2-Fluorobiphenyl (SURR)	8.227	437018	4.091 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	8.18%
11) S ortho-Terphenyl (SURR)	11.248	882460	4.927 ug/ml
Spiked Amount 50.000		Recovery =	9.85%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.189	947332	4.986 ug/ml
2) T Naphthalene (C11.7)	5.708	897541	4.597 ug/mlm
3) T 2-Methylnaphthalene (...)	6.757	895007	4.812 ug/ml
5) T Acenaphthylene (C15.06)	8.019	924981	4.935 ug/ml
7) T Acenaphthene (C15.5)	8.310	948924	5.121 ug/ml
8) T Fluorene (C16.55)	9.096	839037	4.629 ug/ml
9) T Phenanthrene (C19.36)	10.483	780930	4.630 ug/ml
10) T Anthracene (C19.43)	10.564	818431	4.774 ug/ml
12) T Fluoranthene (C21.85)	12.291	777996	4.690 ug/ml
13) T Pyrene (C20.8)	12.580	787810	4.851 ug/ml
14) T Benzo[a]anthracene (C...	14.455	507076	3.641 ug/ml
15) T Chrysene (C27.41)	14.492	883975	5.600 ug/ml
16) T benzo[b]fluoranthene ...	15.999	564845	4.046 ug/ml
17) T Bnezo[k]fluoranthene ...	16.032	836054	5.638 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.389	684346	4.900 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.759	396470	3.711 ug/ml
20) T Dibenz[a,h]anthracene...	17.803	701278	4.632 ug/mlm
21) T Benzo[g,h,i]perylene ...	17.996	687081	4.852 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Operator : YP/AJ
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Misc :
ALS Vial : 75 Sample Multiplier: 1

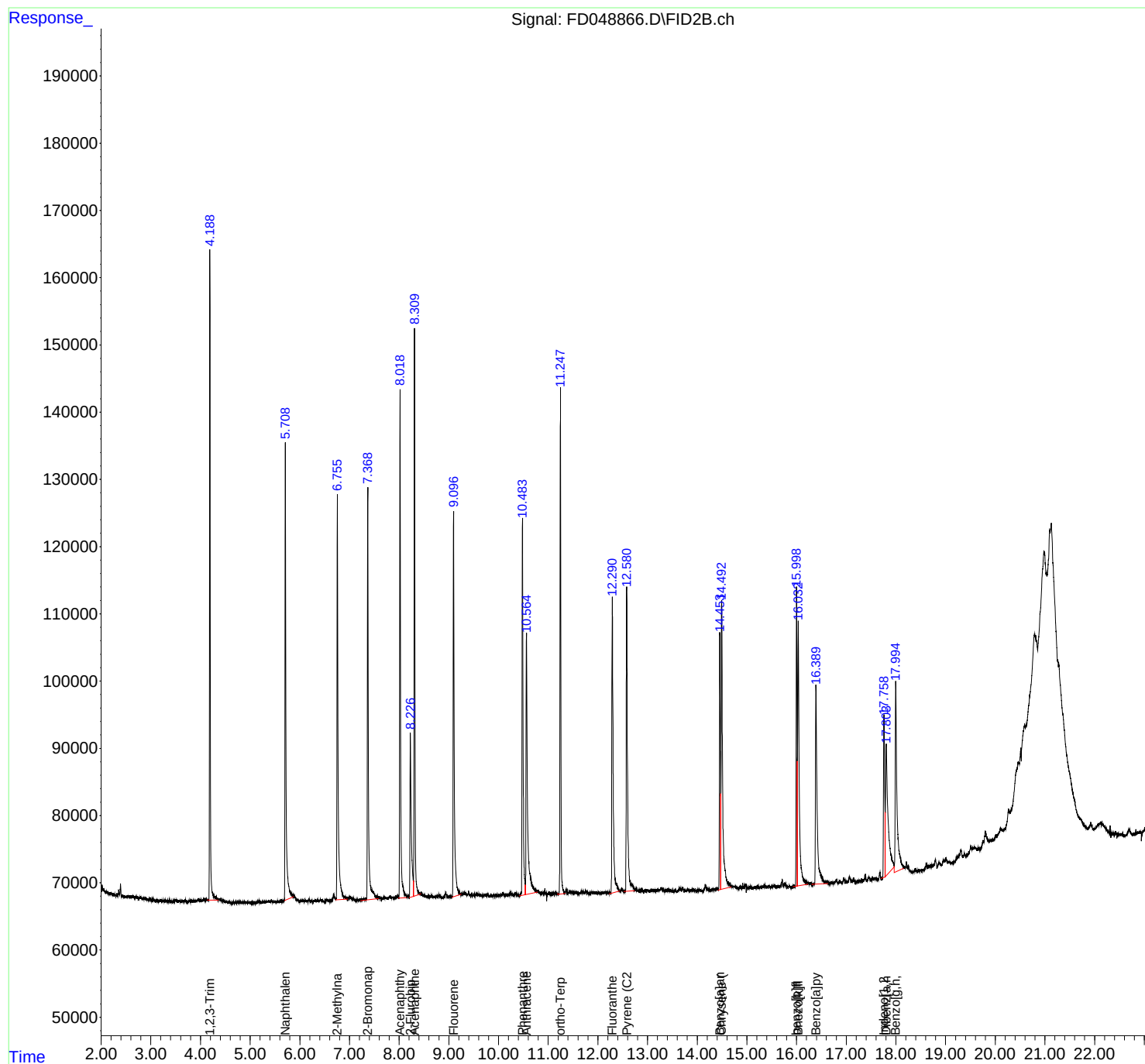
Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5

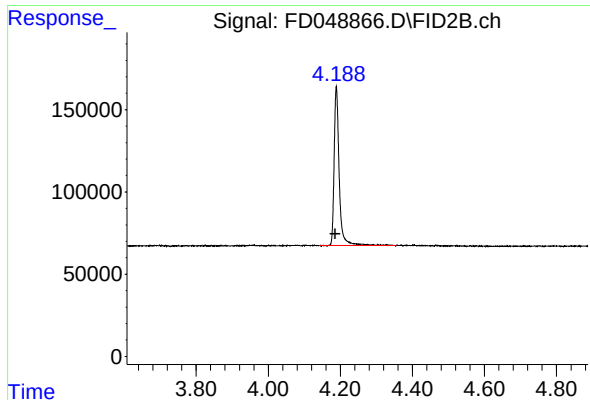
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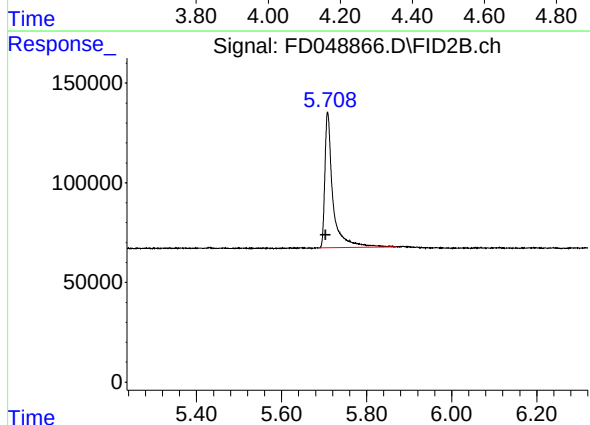
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.189 min
Delta R.T.: 0.003 min
Response: 947332
Conc: 4.99 ug/ml

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5 PPM AROMATIC HC STD5

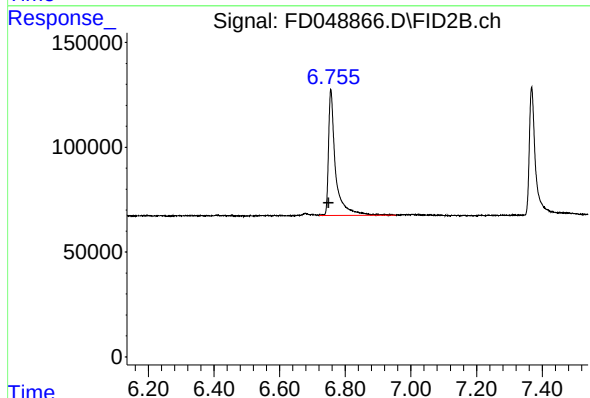
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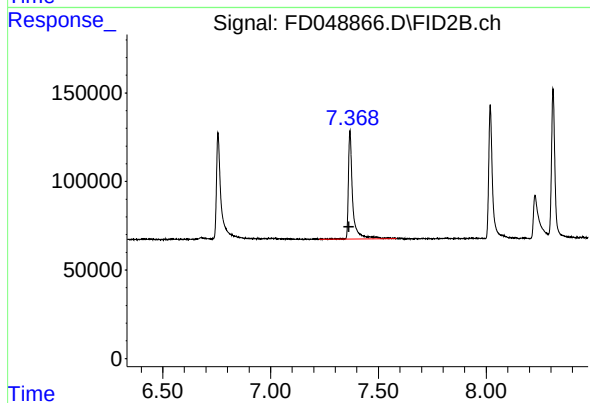
#2 Naphthalene (C11.7)

R.T.: 5.708 min
Delta R.T.: 0.004 min
Response: 897541
Conc: 4.60 ug/ml m



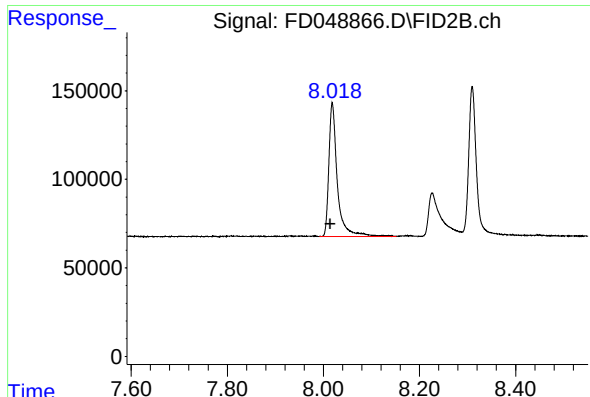
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.757 min
Delta R.T.: 0.007 min
Response: 895007
Conc: 4.81 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.368 min
Delta R.T.: 0.006 min
Response: 863222
Conc: 5.10 ug/ml



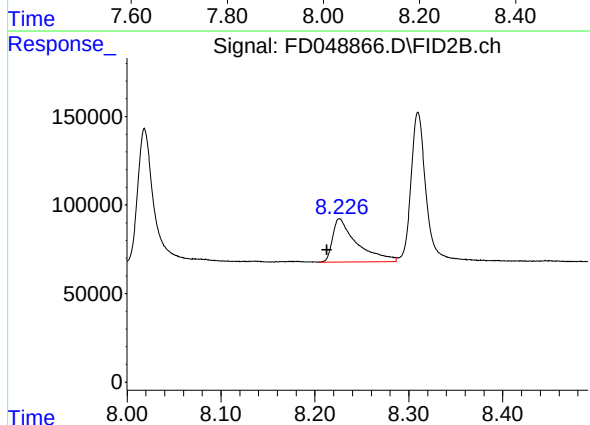
#5 Acenaphthylene (C15.06)

R.T.: 8.019 min
Delta R.T.: 0.004 min
Response: 924981
Conc: 4.94 ug/ml

Instrument :
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5 PPM AROMATIC HC STD5

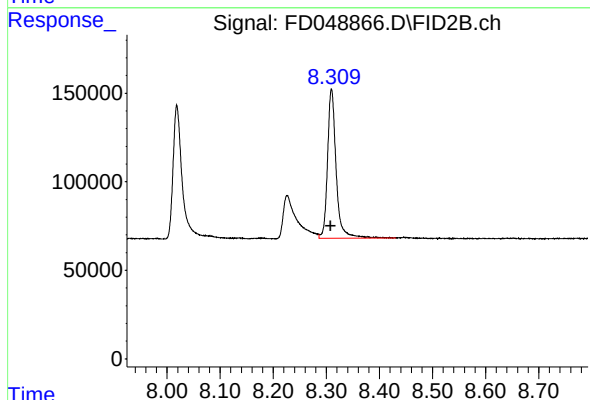
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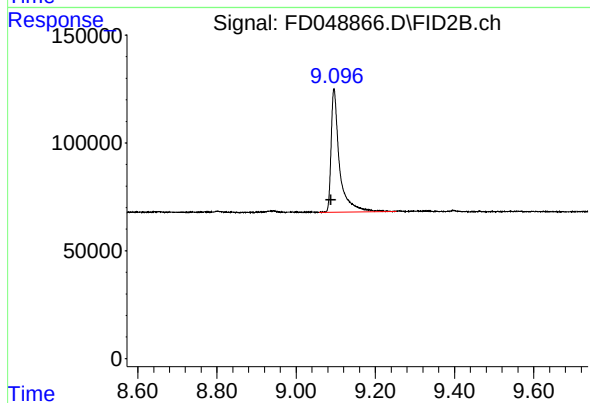
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.227 min
Delta R.T.: 0.014 min
Response: 437018
Conc: 4.09 ug/ml



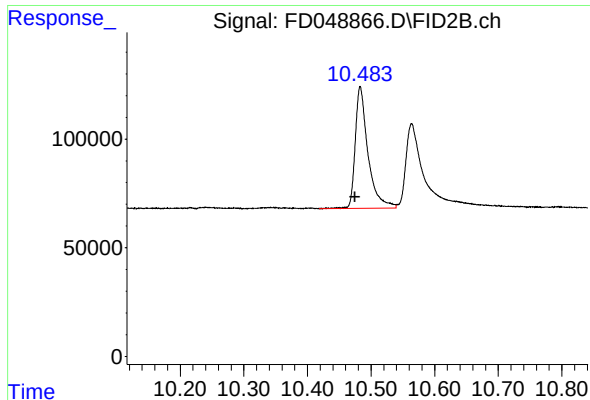
#7 Acenaphthene (C15.5)

R.T.: 8.310 min
Delta R.T.: 0.002 min
Response: 948924
Conc: 5.12 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.096 min
Delta R.T.: 0.008 min
Response: 839037
Conc: 4.63 ug/ml



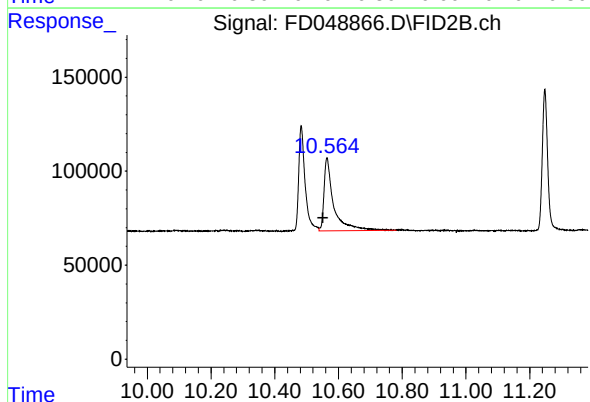
#9 Phenanthrene (C19.36)

R.T.: 10.483 min
Delta R.T.: 0.009 min
Response: 780930
Conc: 4.63 ug/ml

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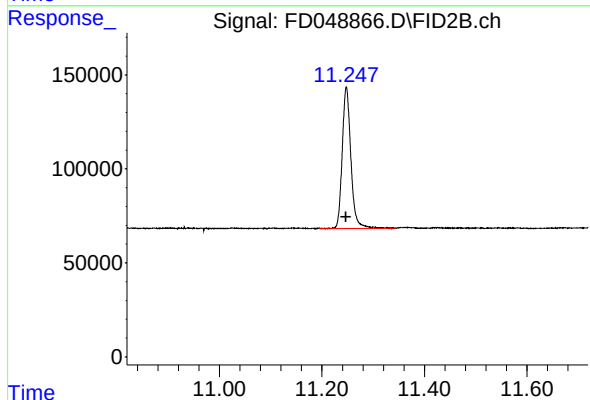
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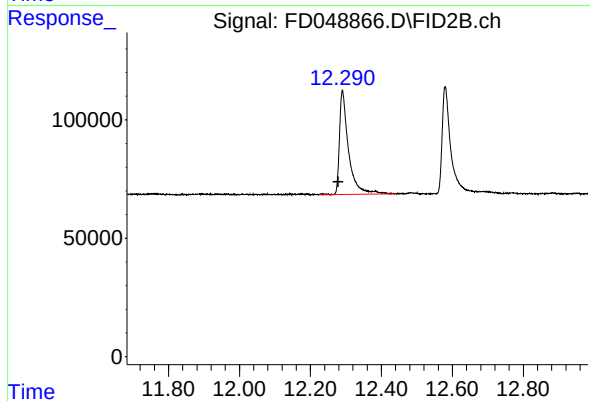
#10 Anthracene (C19.43)

R.T.: 10.564 min
Delta R.T.: 0.013 min
Response: 818431
Conc: 4.77 ug/ml



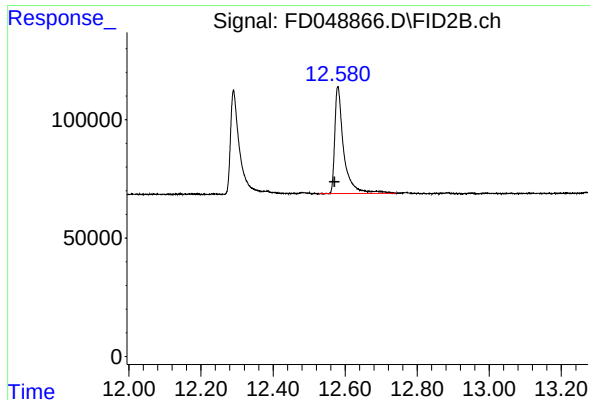
#11 ortho-Terphenyl (SURR)

R.T.: 11.248 min
Delta R.T.: 0.001 min
Response: 882460
Conc: 4.93 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.291 min
Delta R.T.: 0.012 min
Response: 777996
Conc: 4.69 ug/ml



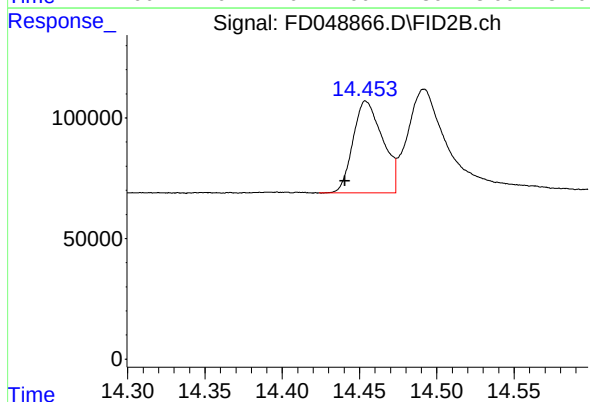
#13 Pyrene (C20.8)

R.T.: 12.580 min
Delta R.T.: 0.009 min
Response: 787810
Conc: 4.85 ug/ml

Instrument :
FID_D
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5 PPM AROMATIC HC STD5

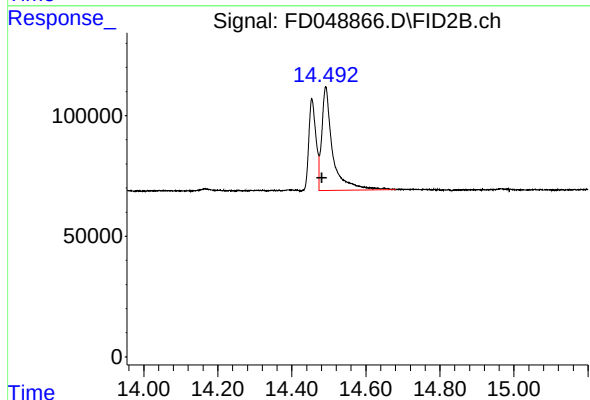
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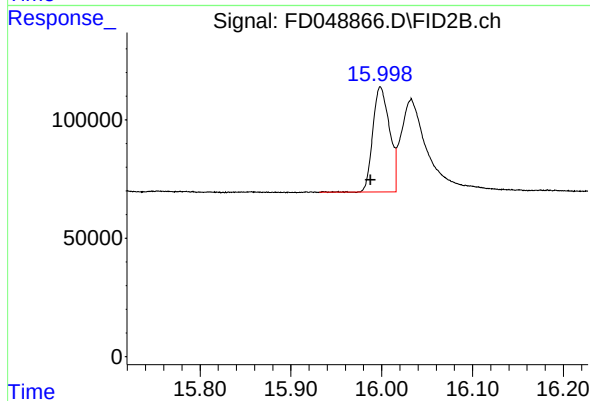
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.455 min
Delta R.T.: 0.014 min
Response: 507076
Conc: 3.64 ug/ml



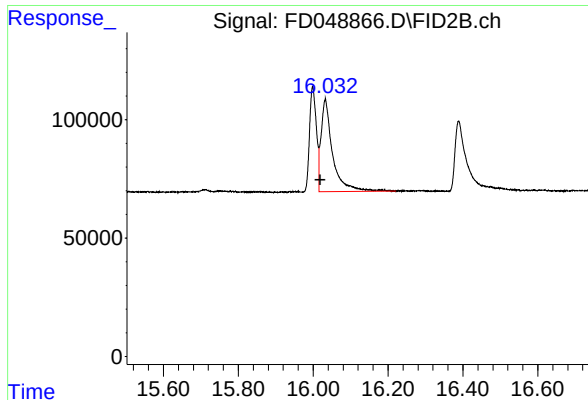
#15 Chrysene (C27.41)

R.T.: 14.492 min
Delta R.T.: 0.010 min
Response: 883975
Conc: 5.60 ug/ml



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

R.T.: 15.999 min
Delta R.T.: 0.011 min
Response: 564845
Conc: 4.05 ug/ml



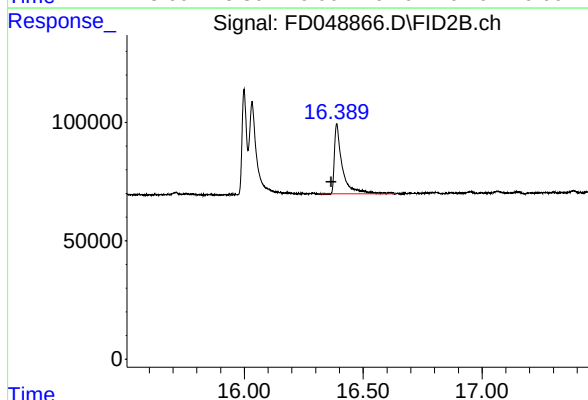
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.032 min
Delta R.T.: 0.013 min
Response: 836054
Conc: 5.64 ug/ml

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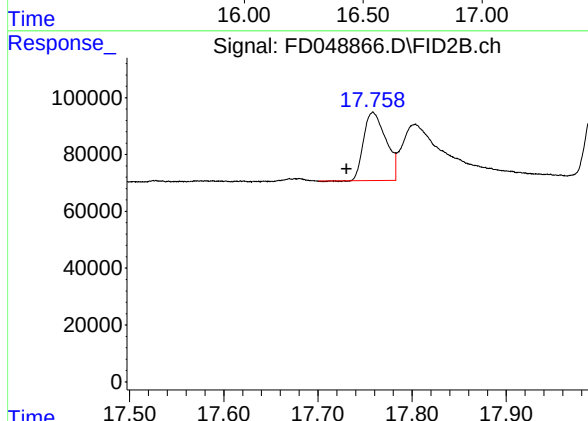
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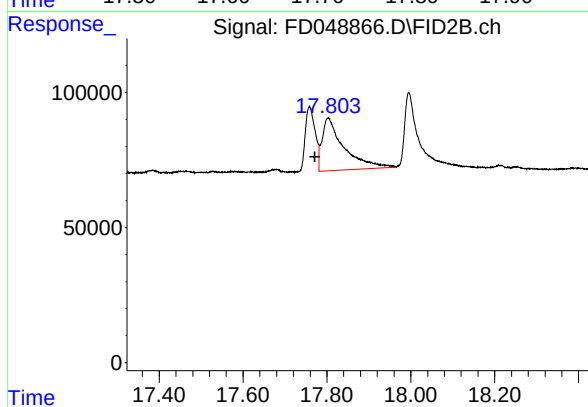
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.389 min
Delta R.T.: 0.023 min
Response: 684346
Conc: 4.90 ug/ml



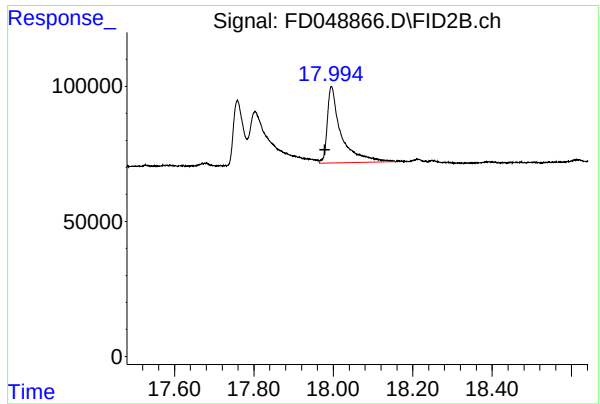
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.759 min
Delta R.T.: 0.028 min
Response: 396470
Conc: 3.71 ug/ml



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

R.T.: 17.803 min
Delta R.T.: 0.032 min
Response: 701278
Conc: 4.63 ug/ml m



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

R.T.: 17.996 min
Delta R.T.: 0.017 min
Response: 687081
Conc: 4.85 ug/ml

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ClientSampleId :

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