

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD090624AR\
 Data File : FD048282.D
 Signal(s) : FID2B.ch
 Acq On : 06 Sep 2024 10:54
 Operator : YP/AJ
 Sample : 5 PPM AROMATIC HC STD5
 Misc :
 ALS Vial : 65 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 5 PPM AROMATIC HC STD5

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/09/2024
 Supervised By :Ankita Jodhani 09/09/2024

Integration File: autoint1.e
 Quant Time: Sep 06 11:27:59 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 090624.M
 Quant Title : GC Extractables
 QLast Update : Fri Sep 06 10:53:21 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...	7.396	757871	4.996 ug/ml
Spiked Amount 50.000		Recovery =	9.99%
6) S 2-Fluorobiphenyl (SURR)	8.252	440302	4.520 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	9.04%
11) S ortho-Terphenyl (SURR)	11.278	877363	5.143 ug/ml
Spiked Amount 50.000		Recovery =	10.29%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.215	915922	5.242 ug/ml
2) T Naphthalene (C11.7)	5.737	928794	5.171 ug/ml
3) T 2-Methylnaphthalene (...)	6.783	912423	5.126 ug/ml
5) T Acenaphthylene (C15.06)	8.048	884617	5.079 ug/ml
7) T Acenaphthene (C15.5)	8.340	929168	5.284 ug/ml
8) T Flouorene (C16.55)	9.123	830263	4.948 ug/ml
9) T Phenanthrene (C19.36)	10.510	792099	4.883 ug/ml
10) T Anthracene (C19.43)	10.588	838119	5.338 ug/ml
12) T Fluoranthene (C21.85)	12.315	829047	5.143 ug/ml
13) T Pyrene (C20.8)	12.606	828436	5.210 ug/ml
14) T Benzo[a]anthracene (C...	14.477	610152	4.220 ug/ml
15) T Chrysene (C27.41)	14.515	891898	5.529 ug/ml
16) T benzo[b]fluoranthene ...	16.021	676478	4.454 ug/ml
17) T Bnezo[k]fluoranthene ...	16.053	828557	5.484 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.404	681662	4.519 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.771	430892	3.600 ug/ml
20) T Dibenz[a,h]anthracene...	17.817	773973	5.090 ug/mlm
21) T Benzo[g,h,i]perylene ...	18.013	718269	4.842 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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ALS Vial : 65 Sample Multiplier: 1

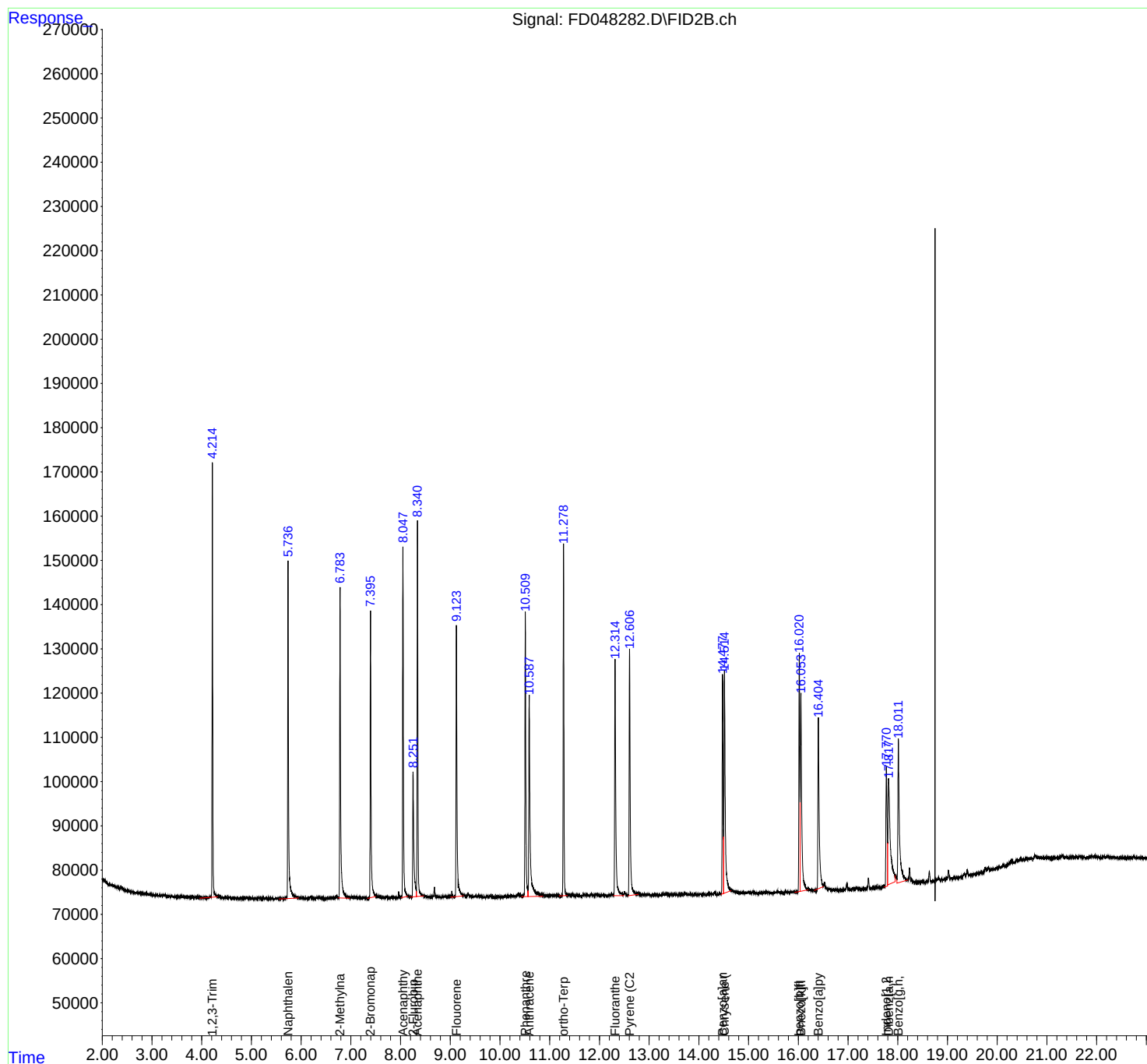
Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5

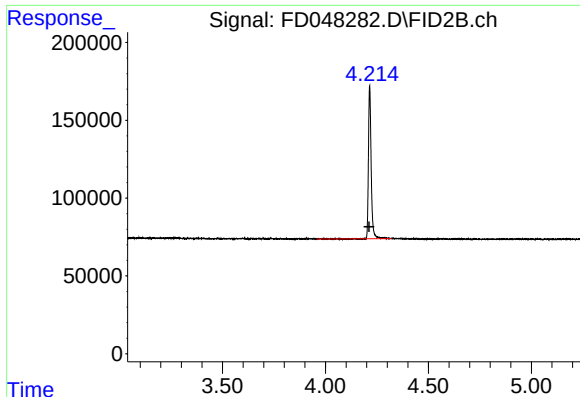
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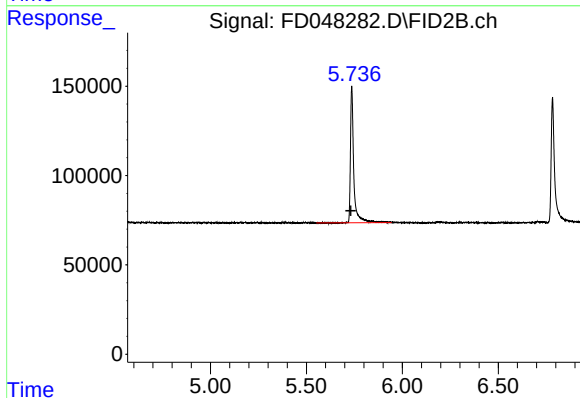
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.215 min
Delta R.T.: 0.003 min
Response: 915922
Conc: 5.24 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5

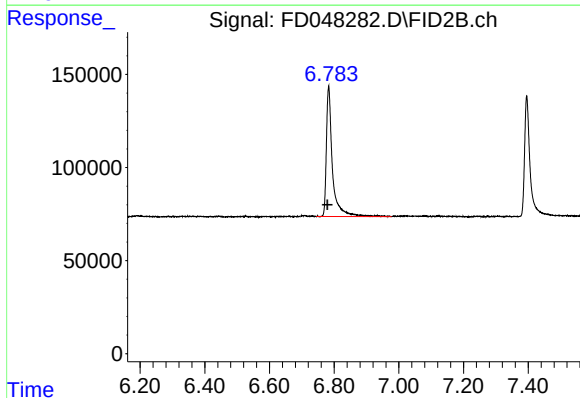
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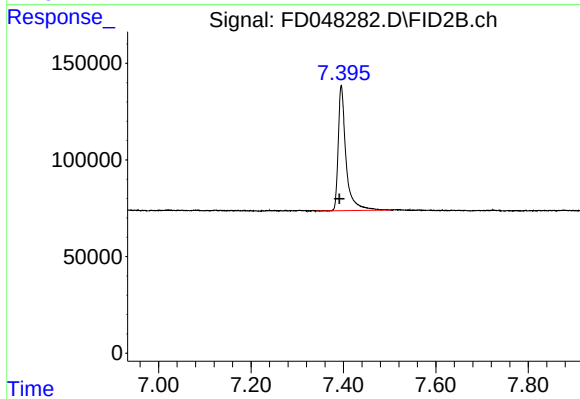
#2 Naphthalene (C11.7)

R.T.: 5.737 min
Delta R.T.: 0.005 min
Response: 928794
Conc: 5.17 ug/ml



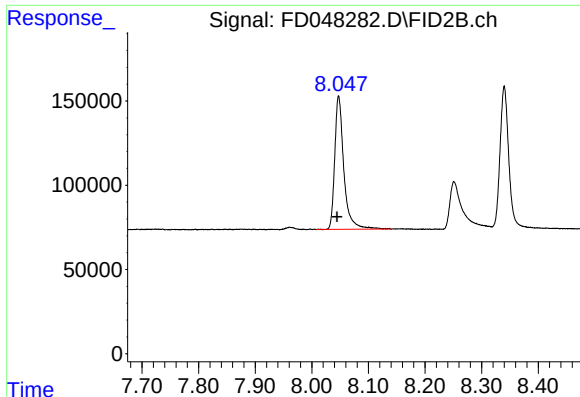
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.783 min
Delta R.T.: 0.004 min
Response: 912423
Conc: 5.13 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.396 min
Delta R.T.: 0.004 min
Response: 757871
Conc: 5.00 ug/ml



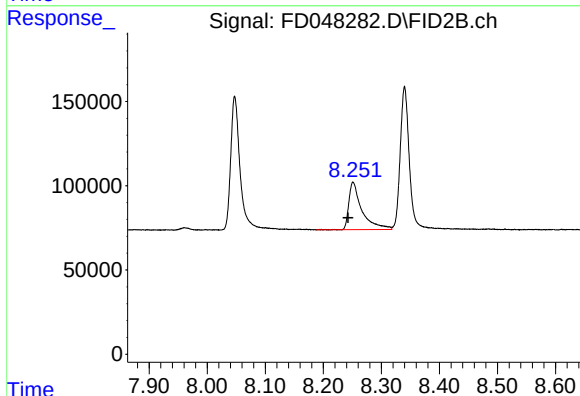
#5 Acenaphthylene (C15.06)

R.T.: 8.048 min
Delta R.T.: 0.003 min
Response: 884617
Conc: 5.08 ug/ml

Instrument :
FID_D
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5 PPM AROMATIC HC STD5

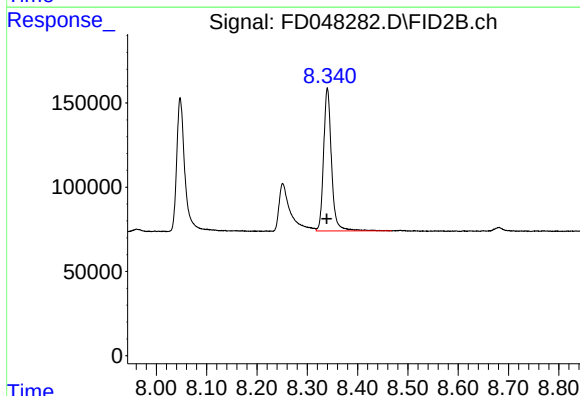
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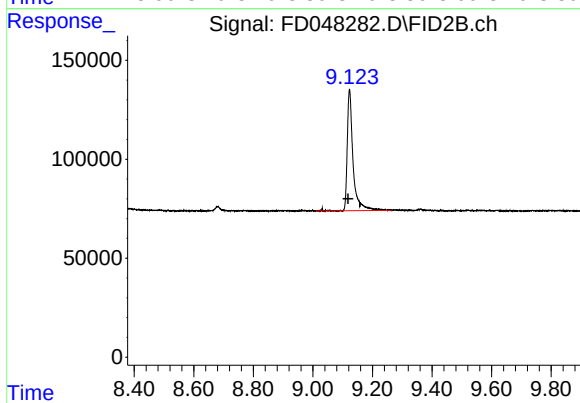
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.252 min
Delta R.T.: 0.009 min
Response: 440302
Conc: 4.52 ug/ml



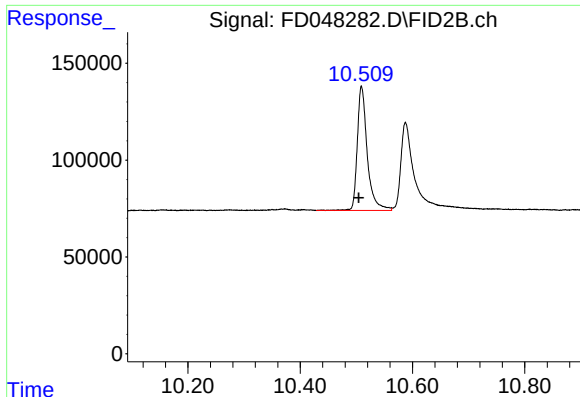
#7 Acenaphthene (C15.5)

R.T.: 8.340 min
Delta R.T.: 0.001 min
Response: 929168
Conc: 5.28 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.123 min
Delta R.T.: 0.006 min
Response: 830263
Conc: 4.95 ug/ml



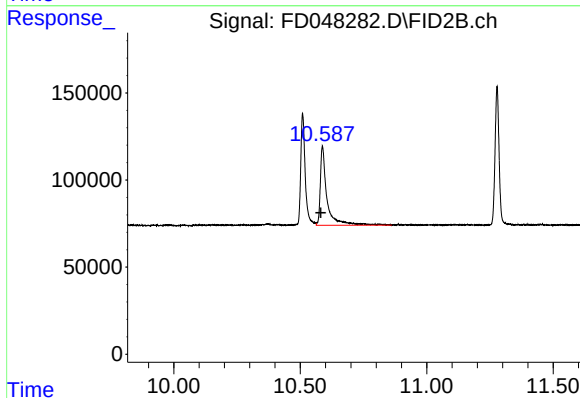
#9 Phenanthrene (C19.36)

R.T.: 10.510 min
Delta R.T.: 0.005 min
Response: 792099
Conc: 4.88 ug/ml

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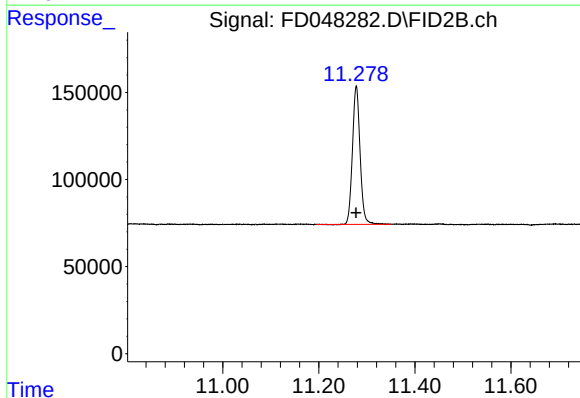
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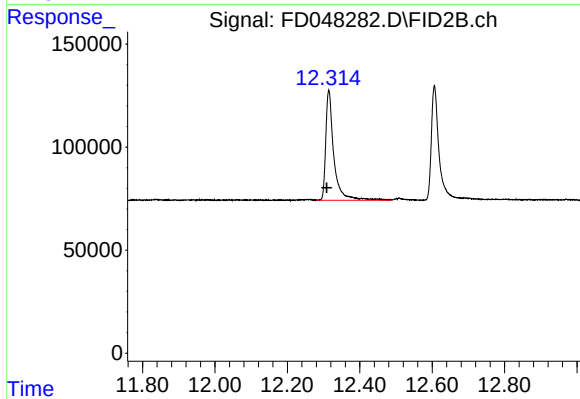
#10 Anthracene (C19.43)

R.T.: 10.588 min
Delta R.T.: 0.008 min
Response: 838119
Conc: 5.34 ug/ml



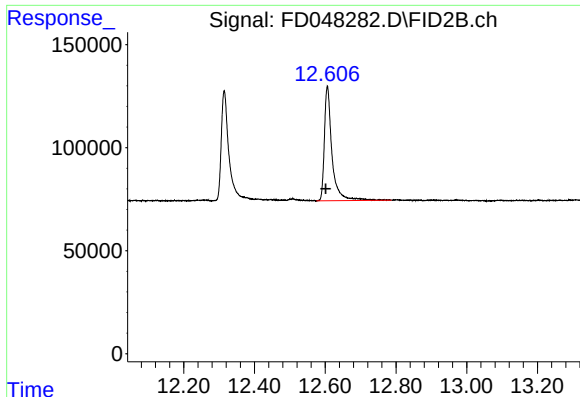
#11 ortho-Terphenyl (SURR)

R.T.: 11.278 min
Delta R.T.: 0.000 min
Response: 877363
Conc: 5.14 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.315 min
Delta R.T.: 0.006 min
Response: 829047
Conc: 5.14 ug/ml



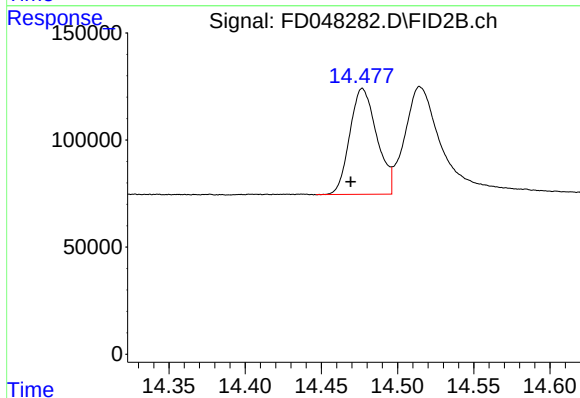
#13 Pyrene (C20.8)

R.T.: 12.606 min
Delta R.T.: 0.005 min
Response: 828436
Conc: 5.21 ug/ml

Instrument :
FID_D
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5 PPM AROMATIC HC STD5

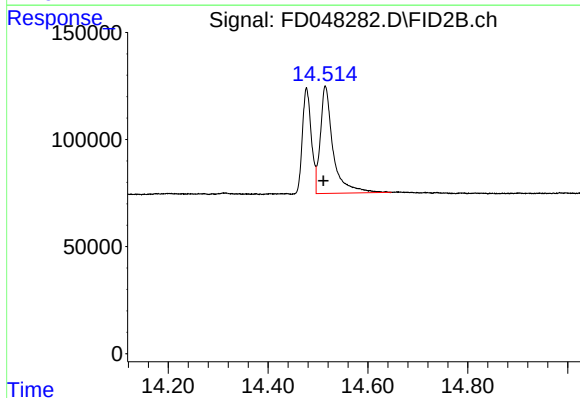
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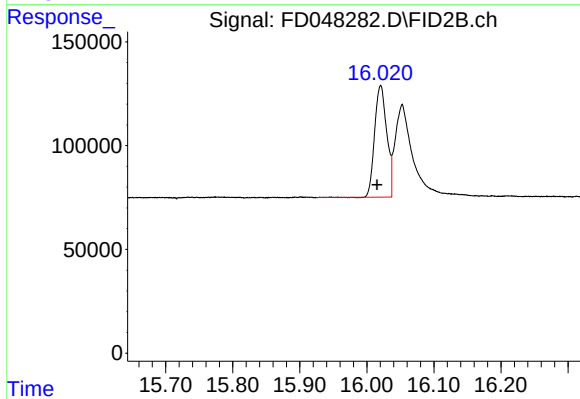
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.477 min
Delta R.T.: 0.008 min
Response: 610152
Conc: 4.22 ug/ml



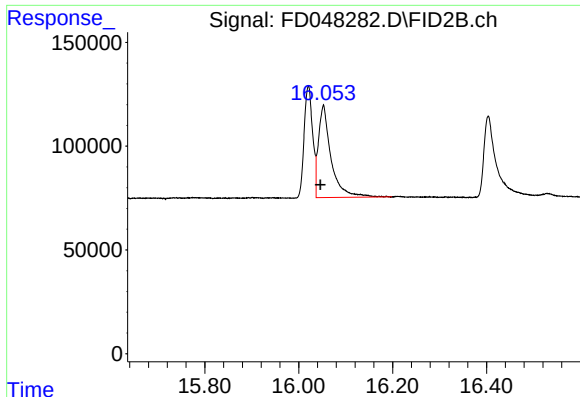
#15 Chrysene (C27.41)

R.T.: 14.515 min
Delta R.T.: 0.005 min
Response: 891898
Conc: 5.53 ug/ml



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

R.T.: 16.021 min
Delta R.T.: 0.005 min
Response: 676478
Conc: 4.45 ug/ml



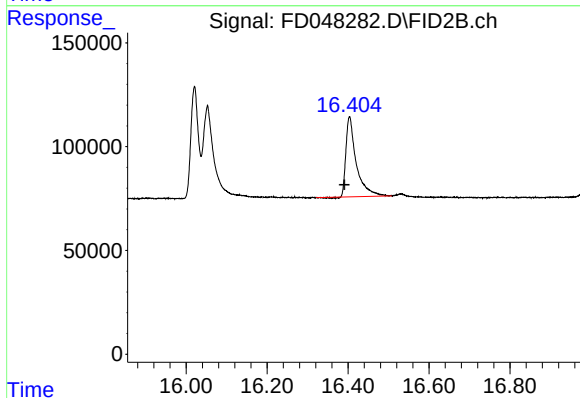
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.053 min
Delta R.T.: 0.006 min
Response: 828557
Conc: 5.48 ug/ml

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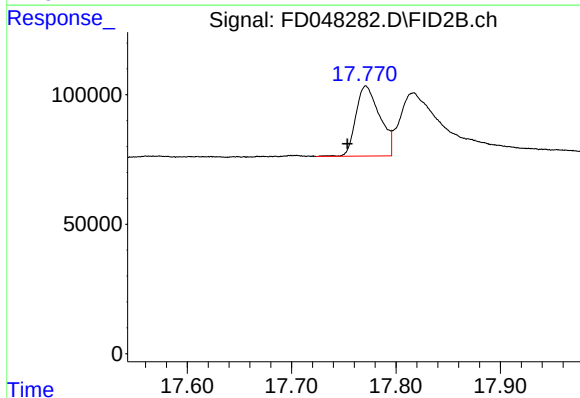
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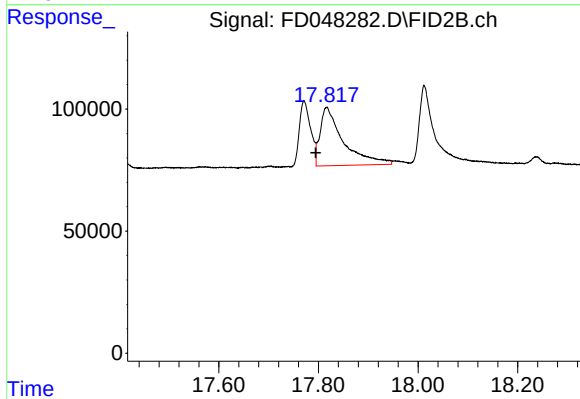
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.404 min
Delta R.T.: 0.013 min
Response: 681662
Conc: 4.52 ug/ml



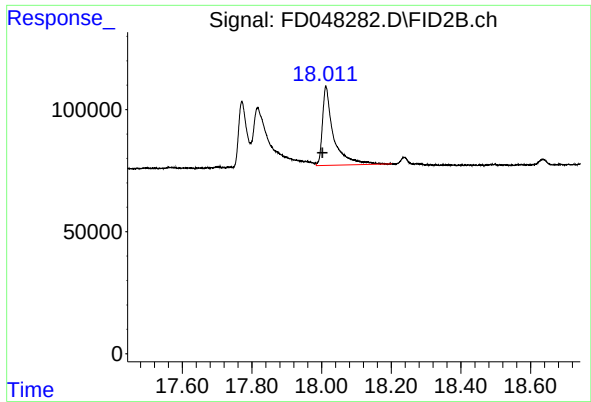
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.771 min
Delta R.T.: 0.018 min
Response: 430892
Conc: 3.60 ug/ml



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

R.T.: 17.817 min
Delta R.T.: 0.022 min
Response: 773973
Conc: 5.09 ug/ml m



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

R.T.: 18.013 min
Delta R.T.: 0.010 min
Response: 718269
Conc: 4.84 ug/ml

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