

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD112524AR\
 Data File : FD048818.D
 Signal(s) : FID2B.ch
 Acq On : 25 Nov 2024 19:23
 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 11/26/2024
 Supervised By :Ankita Jodhani 11/26/2024

Integration File: autoint1.e
 Quant Time: Nov 26 00:59:27 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 111424.M
 Quant Title : GC Extractables
 QLast Update : Thu Nov 14 14:16:25 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...	7.363	3613815	20.526 ug/ml
Spiked Amount 50.000		Recovery =	41.05%
6) S 2-Fluorobiphenyl (SURR)	8.214	2384941	20.708 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	41.42%
11) S ortho-Terphenyl (SURR)	11.248	3959802	20.588 ug/ml
Spiked Amount 50.000		Recovery =	41.18%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.187	4001206	21.231 ug/ml
2) T Naphthalene (C11.7)	5.704	4067421	20.797 ug/ml
3) T 2-Methylnaphthalene (...)	6.751	3978997	20.821 ug/ml
5) T Acenaphthylene (C15.06)	8.016	4000693	20.630 ug/ml
7) T Acenaphthene (C15.5)	8.310	3985462	20.720 ug/ml
8) T Fluorene (C16.55)	9.089	3951385	20.596 ug/ml
9) T Phenanthrene (C19.36)	10.475	3763887	20.534 ug/mlm
10) T Anthracene (C19.43)	10.551	3429822	18.315 ug/ml
12) T Fluoranthene (C21.85)	12.280	3813565	20.825 ug/ml
13) T Pyrene (C20.8)	12.572	3657699	20.231 ug/ml
14) T Benzo[a]anthracene (C...	14.444	3344549	20.331 ug/ml
15) T Chrysene (C27.41)	14.484	3595724	20.545 ug/ml
16) T benzo[b]fluoranthene ...	15.990	3120366	19.860 ug/ml
17) T Bnezo[k]fluoranthene ...	16.021	3553173	21.772 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.367	2890344	19.386 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.730	2455433	19.877 ug/mlm
20) T Dibenz[a,h]anthracene...	17.769	3432449	21.889 ug/mlm
21) T Benzo[g,h,i]perylene ...	17.980	2875939	20.156 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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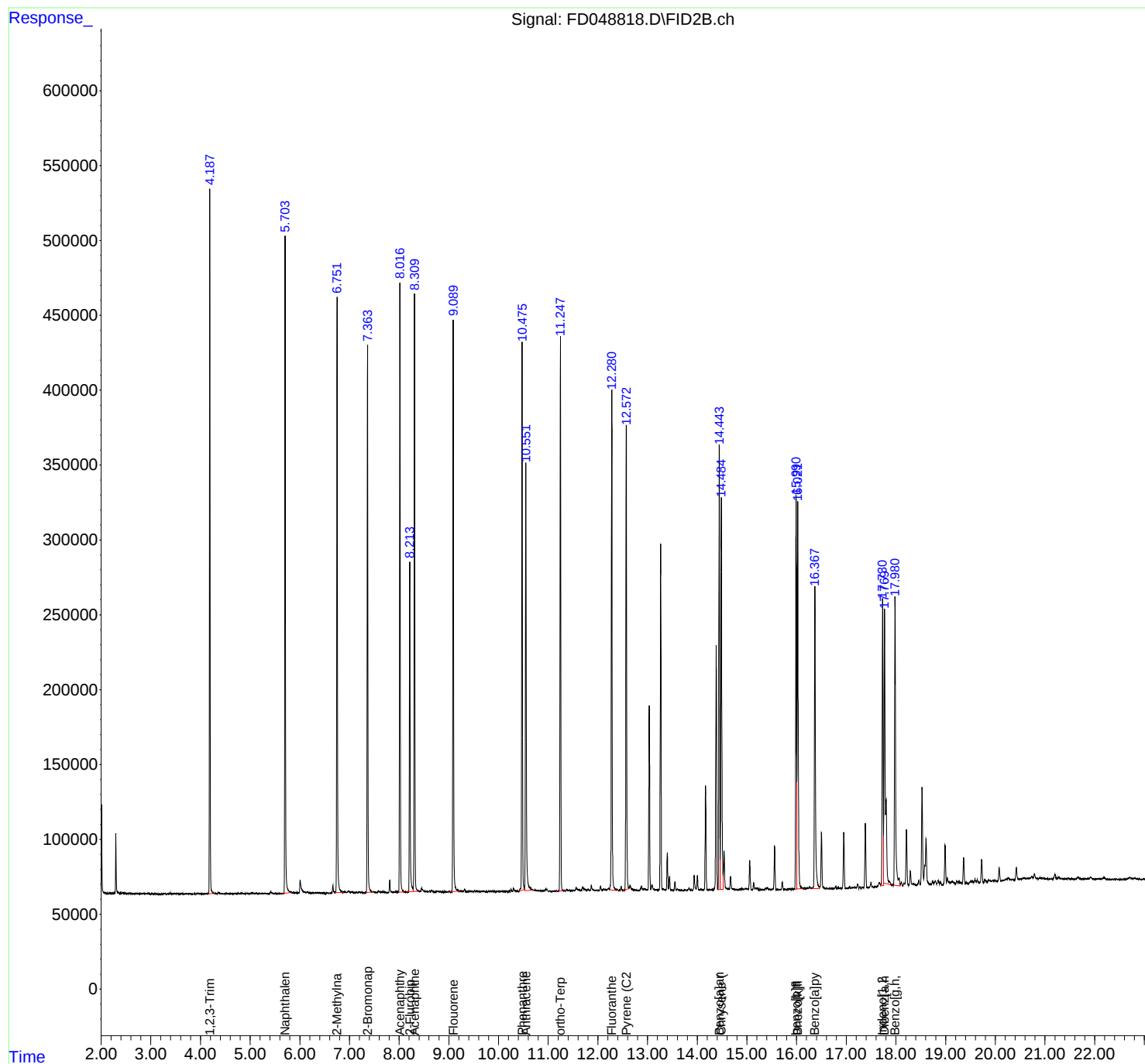
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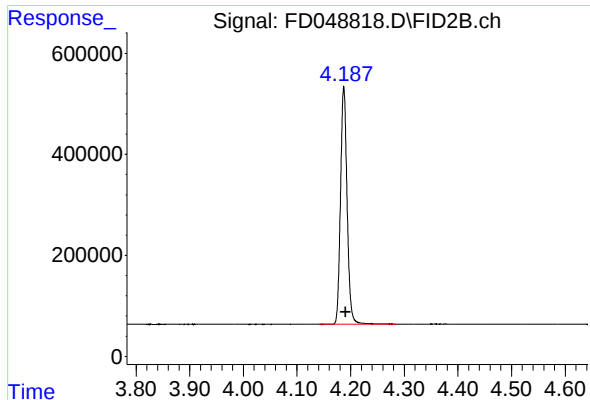
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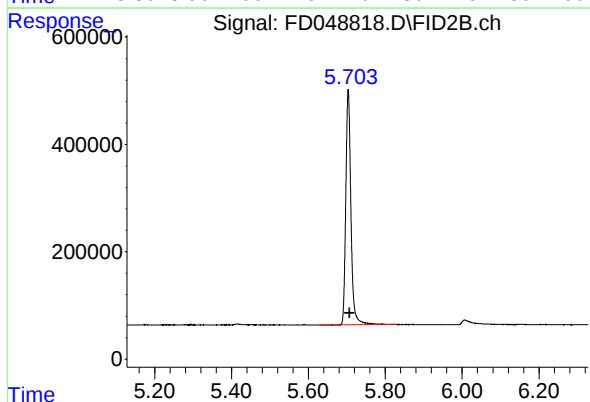
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.187 min
Delta R.T.: -0.004 min
Response: 4001206
Conc: 21.23 ug/ml

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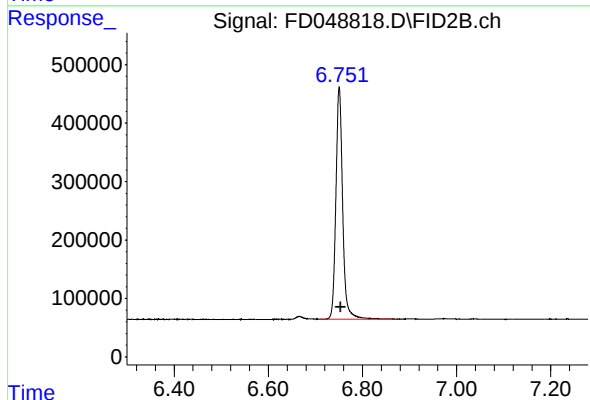
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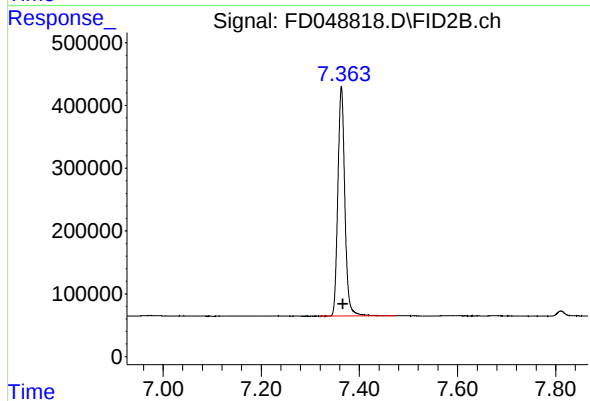
#2 Naphthalene (C11.7)

R.T.: 5.704 min
Delta R.T.: -0.004 min
Response: 4067421
Conc: 20.80 ug/ml



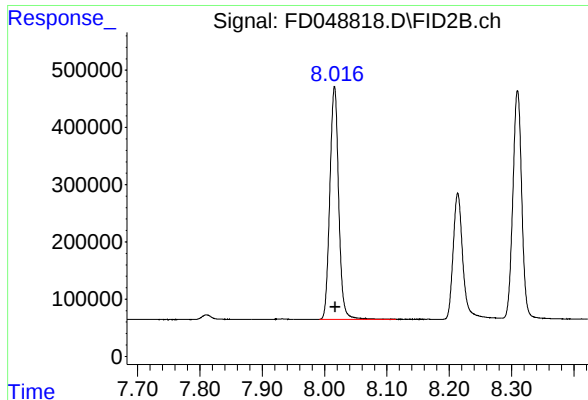
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.751 min
Delta R.T.: -0.003 min
Response: 3978997
Conc: 20.82 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.363 min
Delta R.T.: -0.003 min
Response: 3613815
Conc: 20.53 ug/ml



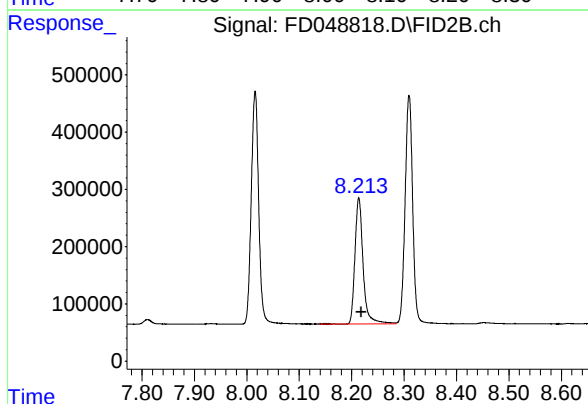
#5 Acenaphthylene (C15.06)

R.T.: 8.016 min
Delta R.T.: -0.002 min
Response: 4000693
Conc: 20.63 ug/ml

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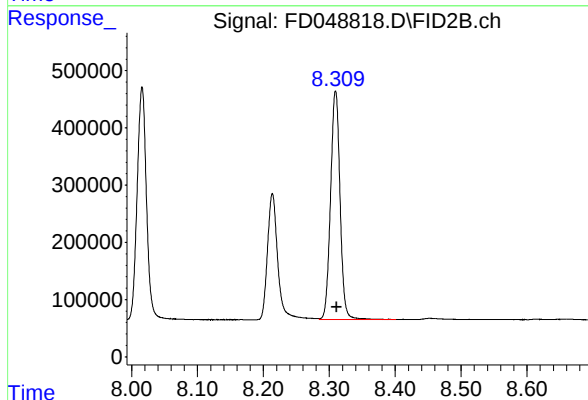
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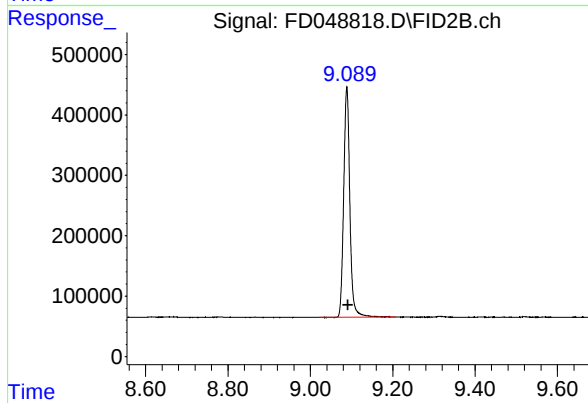
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.214 min
Delta R.T.: -0.005 min
Response: 2384941
Conc: 20.71 ug/ml



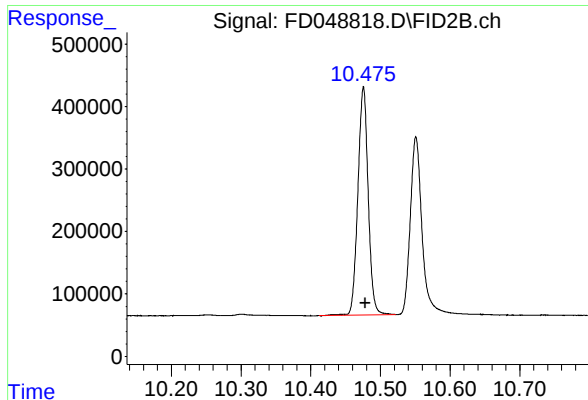
#7 Acenaphthene (C15.5)

R.T.: 8.310 min
Delta R.T.: -0.002 min
Response: 3985462
Conc: 20.72 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.089 min
Delta R.T.: -0.003 min
Response: 3951385
Conc: 20.60 ug/ml



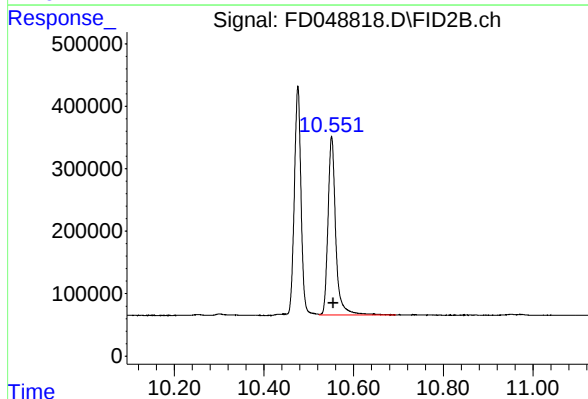
#9 Phenanthrene (C19.36)

R.T.: 10.475 min
Delta R.T.: -0.003 min
Response: 3763887
Conc: 20.53 ug/ml

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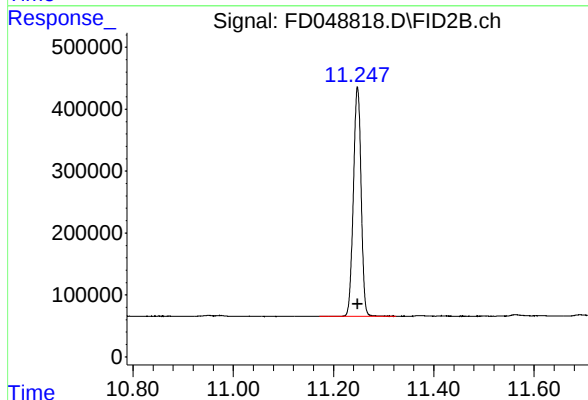
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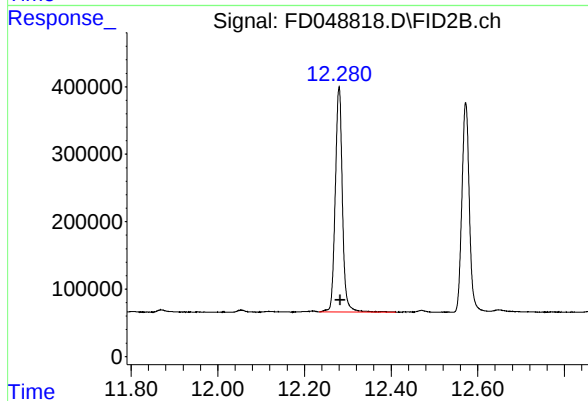
#10 Anthracene (C19.43)

R.T.: 10.551 min
Delta R.T.: -0.003 min
Response: 3429822
Conc: 18.31 ug/ml



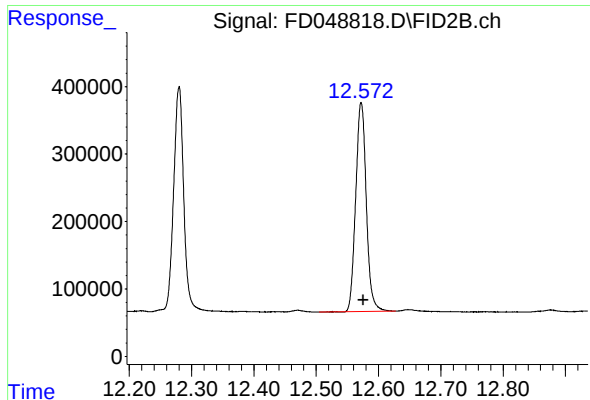
#11 ortho-Terphenyl (SURR)

R.T.: 11.248 min
Delta R.T.: 0.000 min
Response: 3959802
Conc: 20.59 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.280 min
Delta R.T.: -0.003 min
Response: 3813565
Conc: 20.83 ug/ml



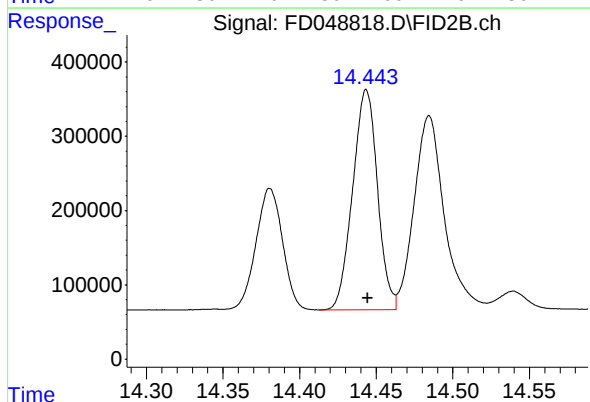
#13 Pyrene (C20.8)

R.T.: 12.572 min
Delta R.T.: -0.003 min
Response: 3657699
Conc: 20.23 ug/ml

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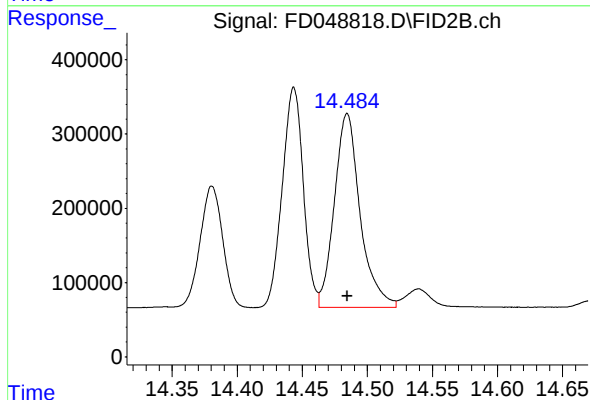
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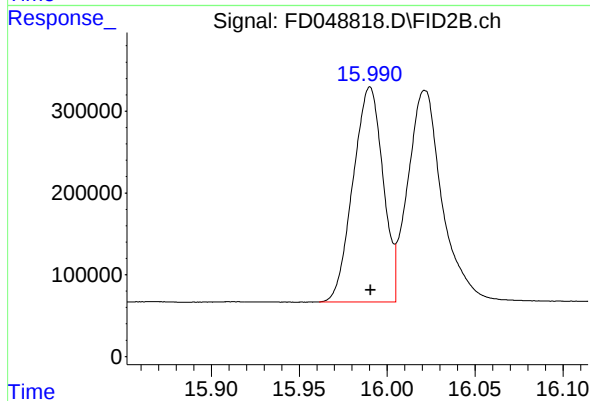
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.444 min
Delta R.T.: -0.001 min
Response: 3344549
Conc: 20.33 ug/ml



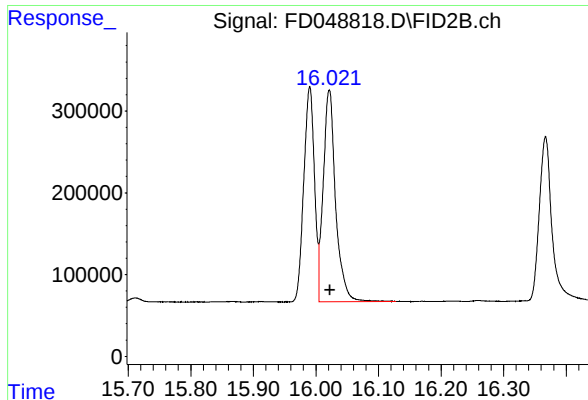
#15 Chrysene (C27.41)

R.T.: 14.484 min
Delta R.T.: 0.000 min
Response: 3595724
Conc: 20.55 ug/ml



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

R.T.: 15.990 min
Delta R.T.: 0.000 min
Response: 3120366
Conc: 19.86 ug/ml



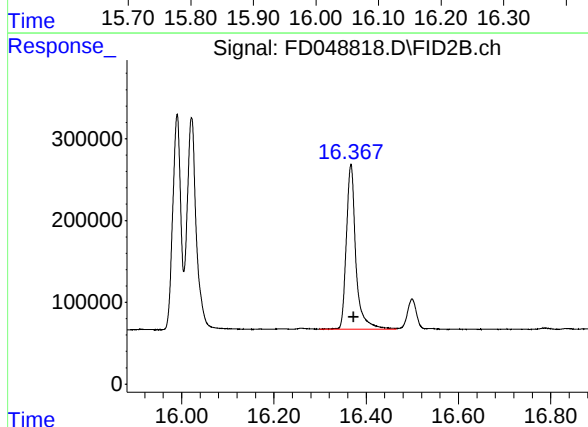
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.021 min
Delta R.T.: -0.001 min
Response: 3553173
Conc: 21.77 ug/ml

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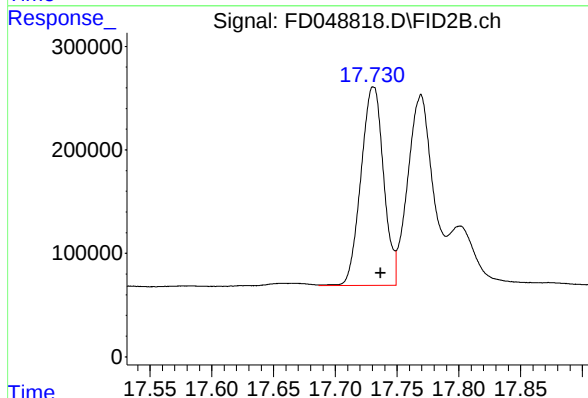
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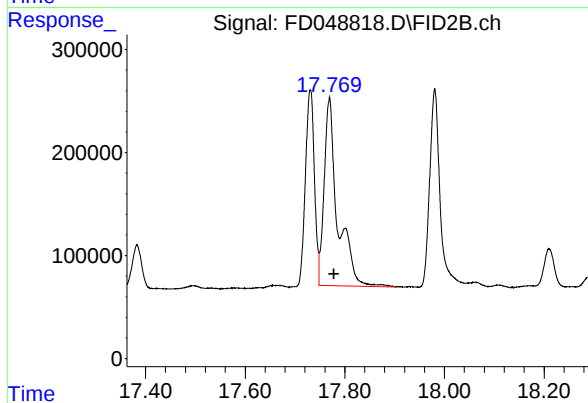
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.367 min
Delta R.T.: -0.006 min
Response: 2890344
Conc: 19.39 ug/ml



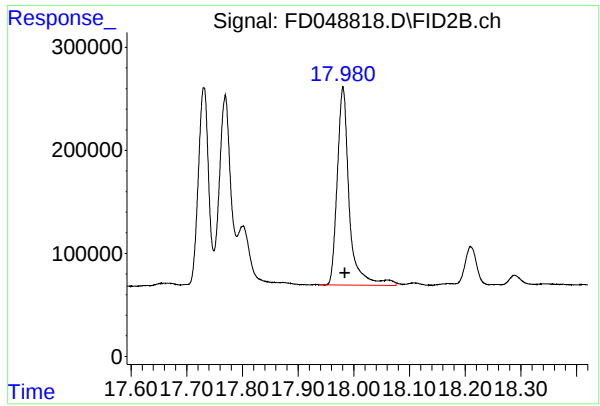
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.730 min
Delta R.T.: -0.007 min
Response: 2455433
Conc: 19.88 ug/ml m



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

R.T.: 17.769 min
Delta R.T.: -0.009 min
Response: 3432449
Conc: 21.89 ug/ml m



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

R.T.: 17.980 min
Delta R.T.: -0.004 min
Response: 2875939
Conc: 20.16 ug/ml

Instrument :

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