

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD061224AR\
 Data File : FD047914.D
 Signal(s) : FID2B.ch
 Acq On : 12 Jun 2024 17:42
 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 06/13/2024
 Supervised By :Ankita Jodhani 06/13/2024

Integration File: autoint1.e
 Quant Time: Jun 13 05:22:04 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 052124.M
 Quant Title : GC Extractables
 QLast Update : Tue May 21 19:00:48 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...	7.427	3084633	21.972 ug/ml
Spiked Amount 50.000		Recovery =	43.94%
6) S 2-Fluorobiphenyl (SURR)	8.280	2014802	21.755 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	43.51%
11) S ortho-Terphenyl (SURR)	11.318	3503150	21.910 ug/ml
Spiked Amount 50.000		Recovery =	43.82%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.244	3418612	21.645 ug/ml
2) T Naphthalene (C11.7)	5.767	3561688	21.820 ug/ml
3) T 2-Methylnaphthalene (...)	6.815	3621008	21.975 ug/ml
5) T Acenaphthylene (C15.06)	8.082	3530570	21.601 ug/ml
7) T Acenaphthene (C15.5)	8.377	3585230	21.957 ug/ml
8) T Flouorene (C16.55)	9.156	3412802	21.694 ug/ml
9) T Phenanthrene (C19.36)	10.545	3341888	21.672 ug/ml
10) T Anthracene (C19.43)	10.619	2684105	17.854 ug/ml
12) T Fluoranthene (C21.85)	12.350	3324565	21.907 ug/ml
13) T Pyrene (C20.8)	12.643	3265492	21.661 ug/ml
14) T Benzo[a]anthracene (C...	14.512	2871111	20.944 ug/mlm
15) T Chrysene (C27.41)	14.554	3241306	22.002 ug/ml
16) T benzo[b]fluoranthene ...	16.060	3058372	21.730 ug/mlm
17) T Bnezo[k]fluoranthene ...	16.090	3044839	22.359 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.434	2899231	20.946 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.797	2290694	19.870 ug/mlm
20) T Dibenz[a,h]anthracene...	17.838	3002221	22.515 ug/ml
21) T Benzo[g,h,i]perylene ...	18.048	2707719	20.361 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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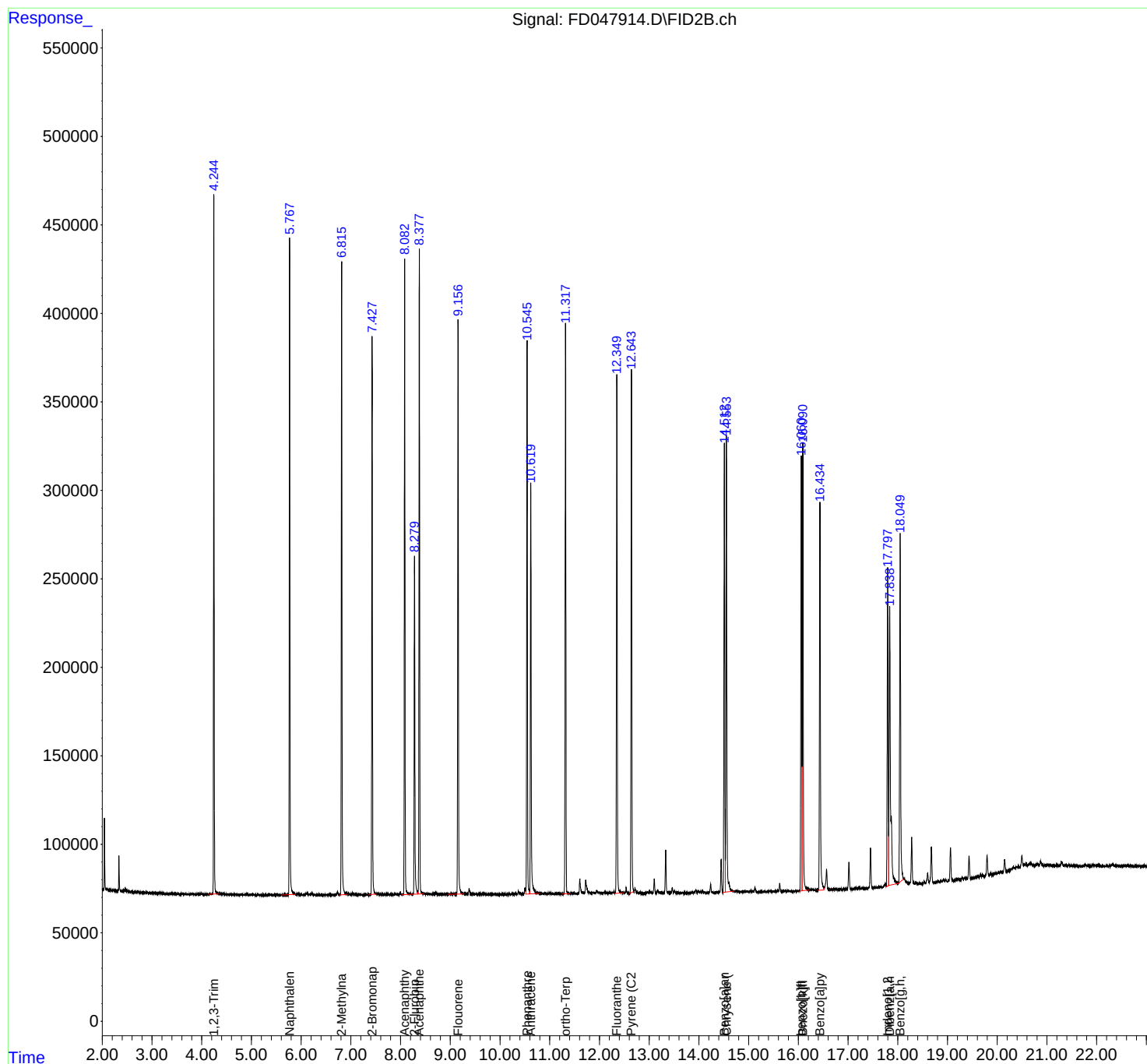
Instrument :
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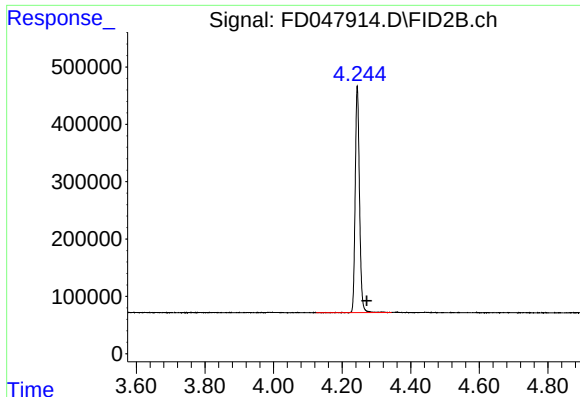
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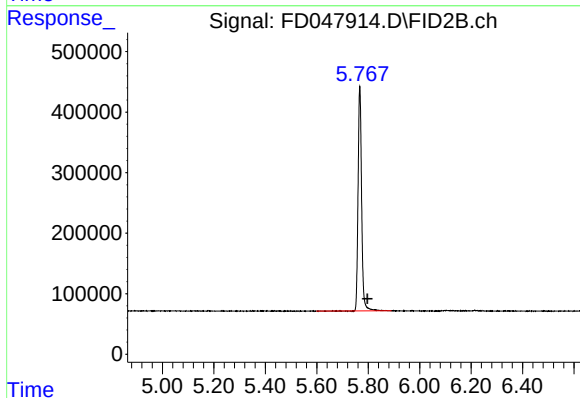
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.244 min
Delta R.T.: -0.028 min
Response: 3418612
Conc: 21.65 ug/ml

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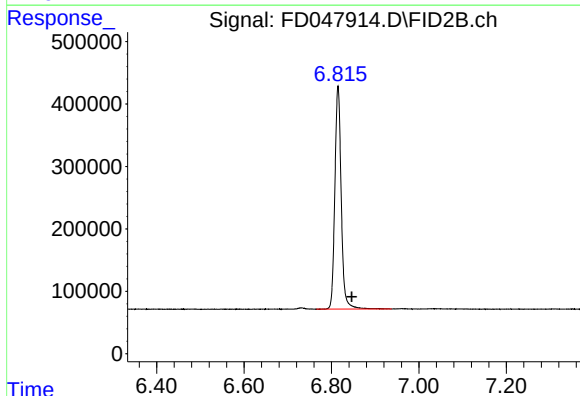
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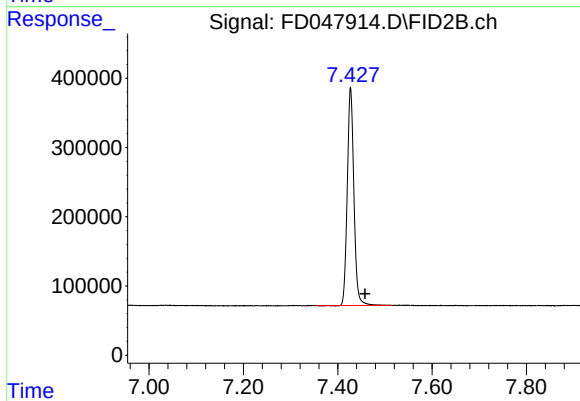
#2 Naphthalene (C11.7)

R.T.: 5.767 min
Delta R.T.: -0.030 min
Response: 3561688
Conc: 21.82 ug/ml



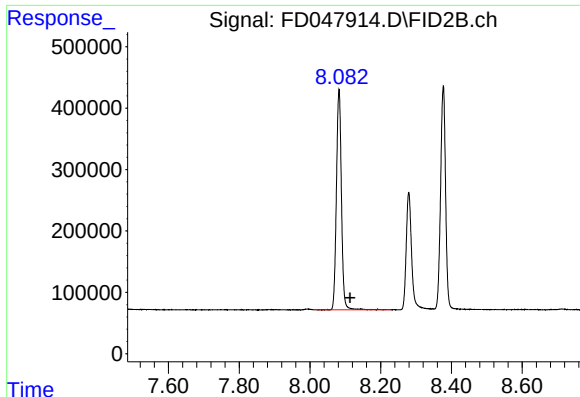
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.815 min
Delta R.T.: -0.031 min
Response: 3621008
Conc: 21.97 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.427 min
Delta R.T.: -0.031 min
Response: 3084633
Conc: 21.97 ug/ml



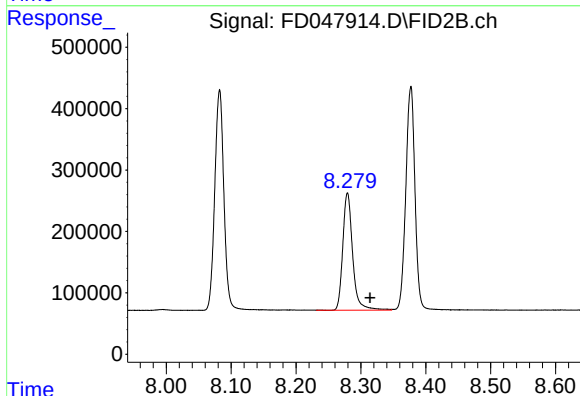
#5 Acenaphthylene (C15.06)

R.T.: 8.082 min
Delta R.T.: -0.032 min
Response: 3530570
Conc: 21.60 ug/ml

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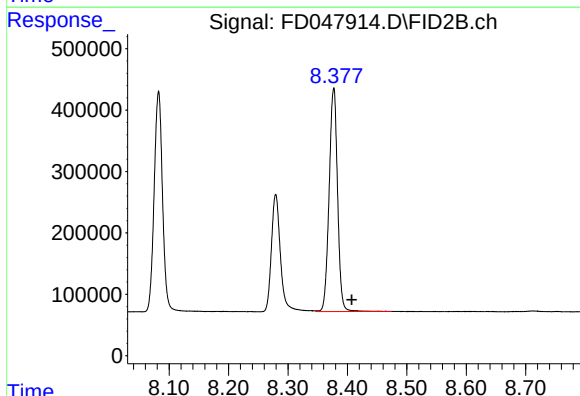
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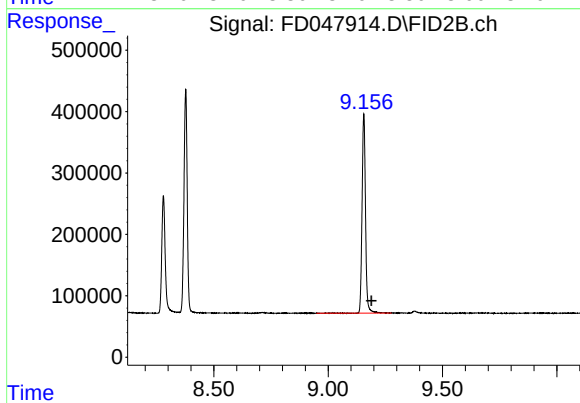
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.280 min
Delta R.T.: -0.035 min
Response: 2014802
Conc: 21.76 ug/ml



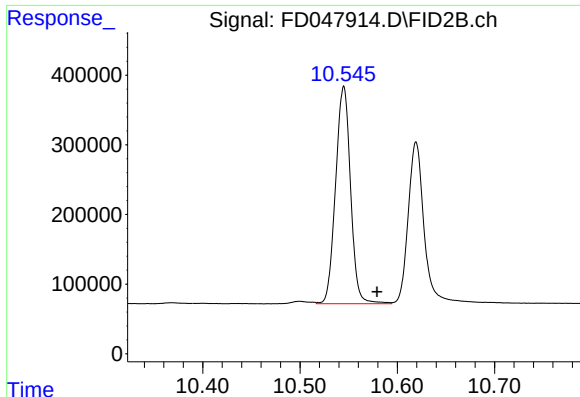
#7 Acenaphthene (C15.5)

R.T.: 8.377 min
Delta R.T.: -0.031 min
Response: 3585230
Conc: 21.96 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.156 min
Delta R.T.: -0.033 min
Response: 3412802
Conc: 21.69 ug/ml



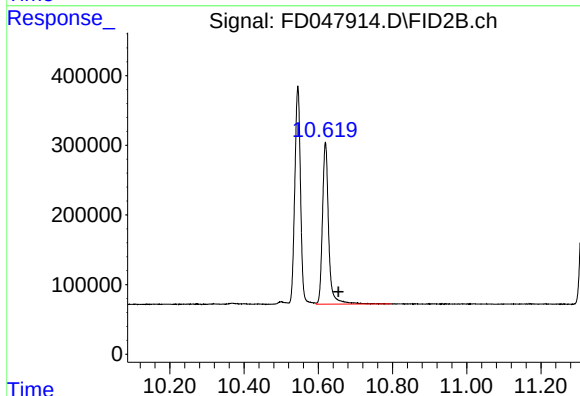
#9 Phenanthrene (C19.36)

R.T.: 10.545 min
Delta R.T.: -0.034 min
Response: 3341888
Conc: 21.67 ug/ml

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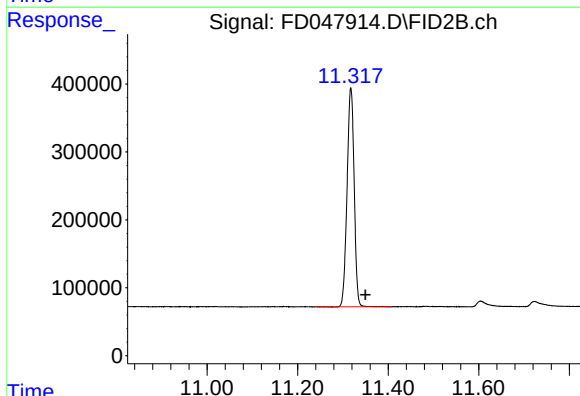
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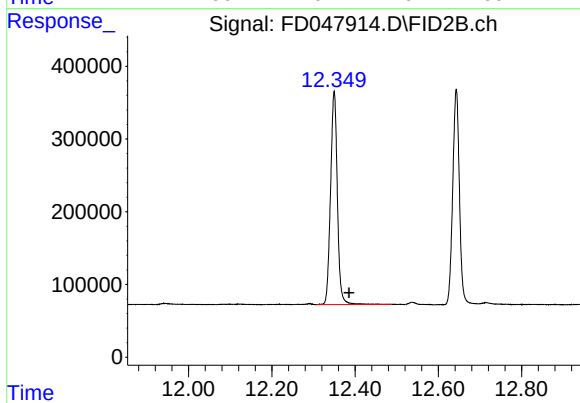
#10 Anthracene (C19.43)

R.T.: 10.619 min
Delta R.T.: -0.035 min
Response: 2684105
Conc: 17.85 ug/ml



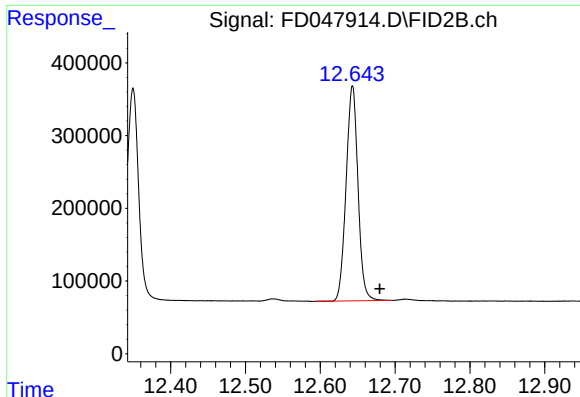
#11 ortho-Terphenyl (SURR)

R.T.: 11.318 min
Delta R.T.: -0.032 min
Response: 3503150
Conc: 21.91 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.350 min
Delta R.T.: -0.036 min
Response: 3324565
Conc: 21.91 ug/ml



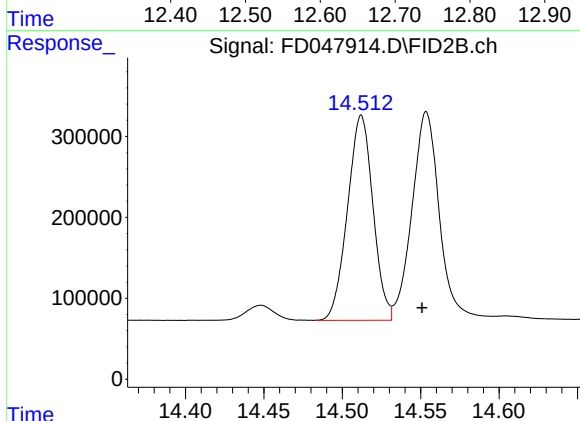
#13 Pyrene (C20.8)

R.T.: 12.643 min
Delta R.T.: -0.037 min
Response: 3265492
Conc: 21.66 ug/ml

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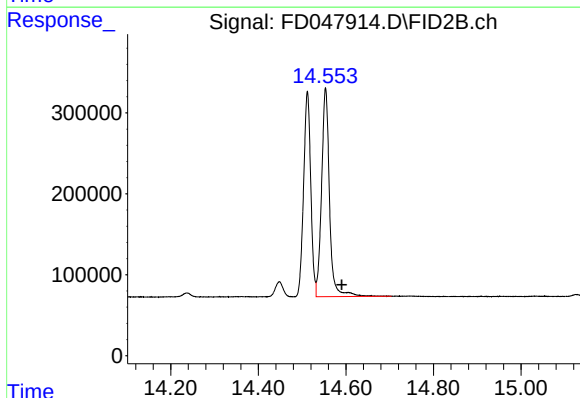
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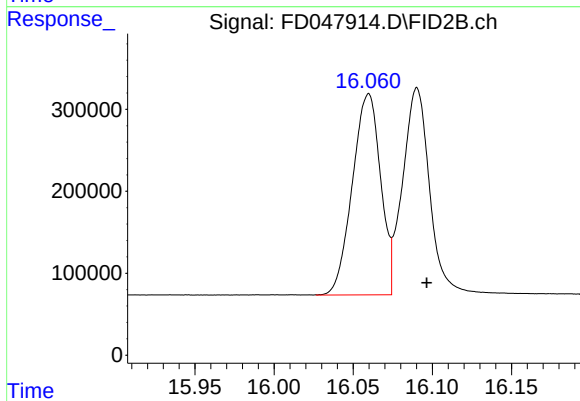
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.512 min
Delta R.T.: -0.039 min
Response: 2871111
Conc: 20.94 ug/ml m



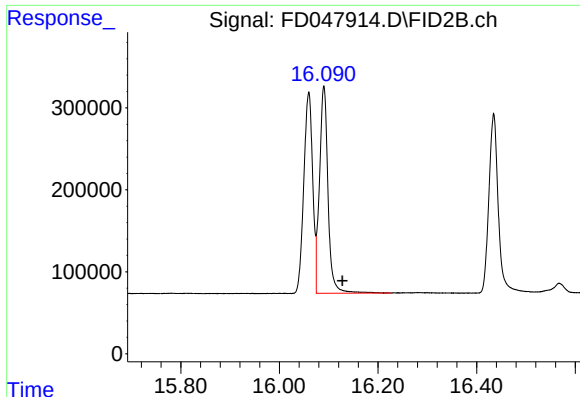
#15 Chrysene (C27.41)

R.T.: 14.554 min
Delta R.T.: -0.037 min
Response: 3241306
Conc: 22.00 ug/ml



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

R.T.: 16.060 min
Delta R.T.: -0.037 min
Response: 3058372
Conc: 21.73 ug/ml m



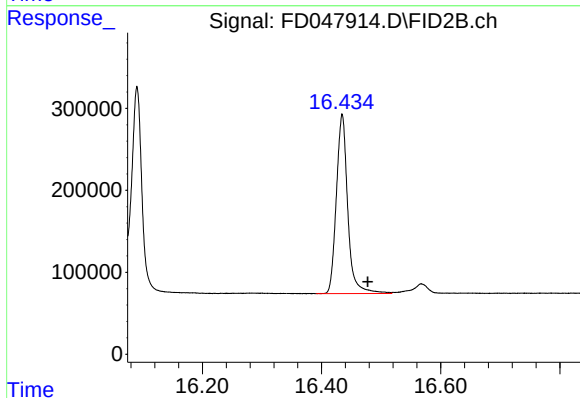
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.090 min
Delta R.T.: -0.038 min
Response: 3044839
Conc: 22.36 ug/ml

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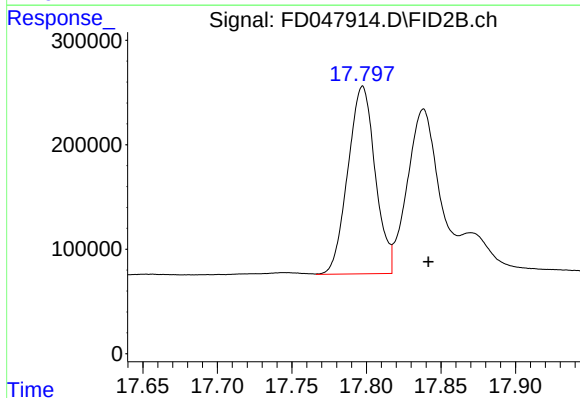
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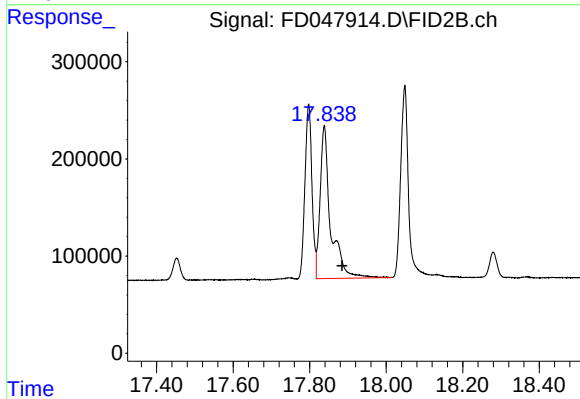
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.434 min
Delta R.T.: -0.043 min
Response: 2899231
Conc: 20.95 ug/ml



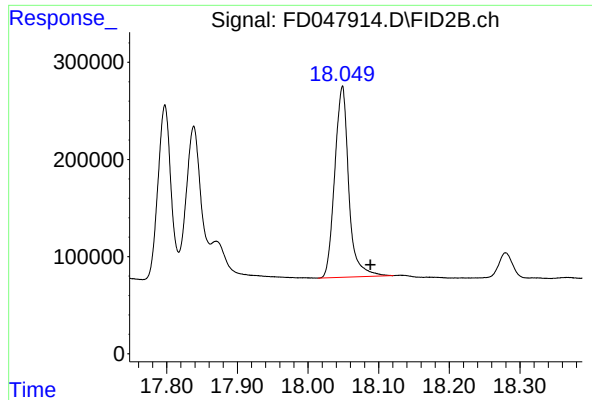
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.797 min
Delta R.T.: -0.044 min
Response: 2290694
Conc: 19.87 ug/ml m



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

R.T.: 17.838 min
Delta R.T.: -0.047 min
Response: 3002221
Conc: 22.51 ug/ml



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

R.T.: 18.048 min
Delta R.T.: -0.040 min
Response: 2707719
Conc: 20.36 ug/ml

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