

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD121423AR\
 Data File : FD047029.D
 Signal(s) : FID2B.ch
 Acq On : 14 Dec 2023 12:34
 Operator : YP/AJ
 Sample : 20 PPM AROMATIC HC STD
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 20 PPM AROMATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/15/2023
 Supervised By :Ankita Jodhani 12/15/2023

Integration File: autoint1.e
 Quant Time: Dec 14 23:24:40 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 112423.M
 Quant Title : GC Extractables
 QLast Update : Fri Nov 24 13:30:33 2023
 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...	7.471	3607095	20.850 ug/ml
Spiked Amount 50.000		Recovery =	41.70%
6) S 2-Fluorobiphenyl (SURR)	8.324	2336764	21.489 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	42.98%
11) S ortho-Terphenyl (SURR)	11.360	4361253	21.916 ug/ml
Spiked Amount 50.000		Recovery =	43.83%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.285	3744944	20.127 ug/ml
2) T Naphthalene (C11.7)	5.811	3906742	20.515 ug/ml
3) T 2-Methylnaphthalene (...)	6.859	3952169	20.523 ug/ml
5) T Acenaphthylene (C15.06)	8.127	3644915	20.939 ug/ml
7) T Acenaphthene (C15.5)	8.422	3930243	21.193 ug/ml
8) T Flouorene (C16.55)	9.200	3736751	21.648 ug/ml
9) T Phenanthrene (C19.36)	10.588	3578523	21.796 ug/ml
10) T Anthracene (C19.43)	10.662	3220712	20.827 ug/ml
12) T Fluoranthene (C21.85)	12.390	3523979	22.234 ug/ml
13) T Pyrene (C20.8)	12.684	3442764	22.501 ug/ml
14) T Benzo[a]anthracene (C...	14.548	2825226	21.789 ug/ml
15) T Chrysene (C27.41)	14.588	3088839	21.550 ug/ml
16) T benzo[b]fluoranthene ...	16.088	2987186	22.364 ug/ml
17) T Bnezo[k]fluoranthene ...	16.120	3088672	22.607 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.463	2845107	21.717 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.820	2516438	21.090 ug/ml
20) T Dibenz[a,h]anthracene...	17.860	2899796	22.317 ug/mlm
21) T Benzo[g,h,i]perylene ...	18.072	2783624	21.275 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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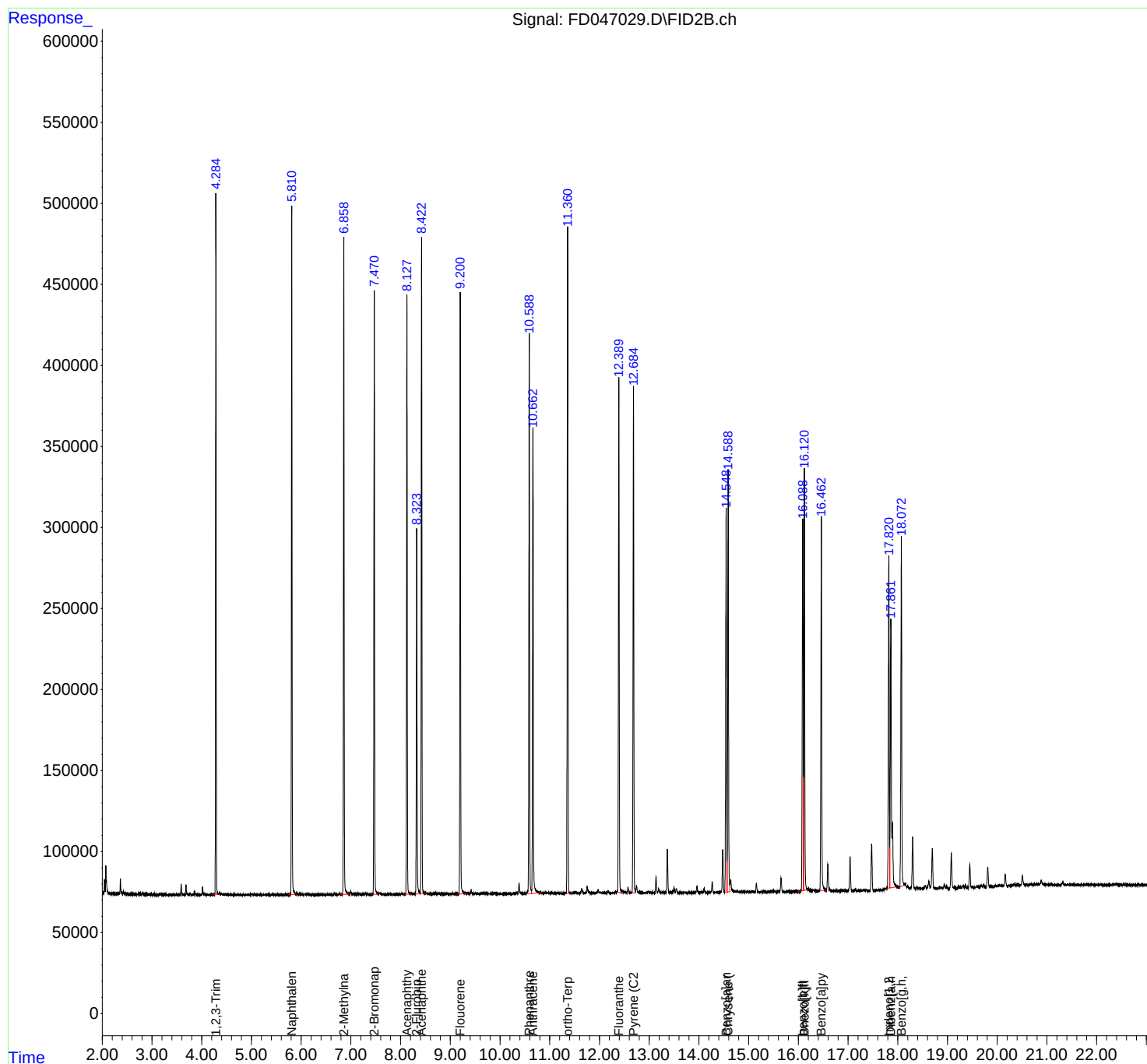
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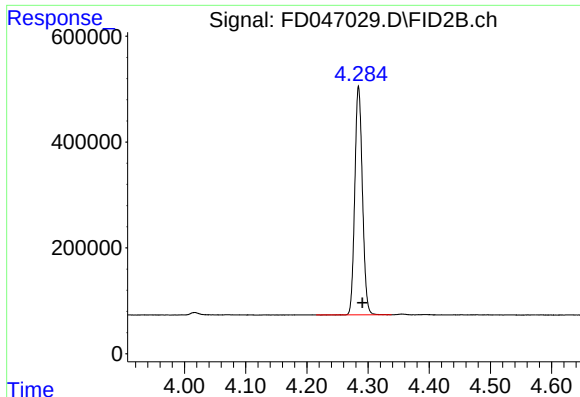
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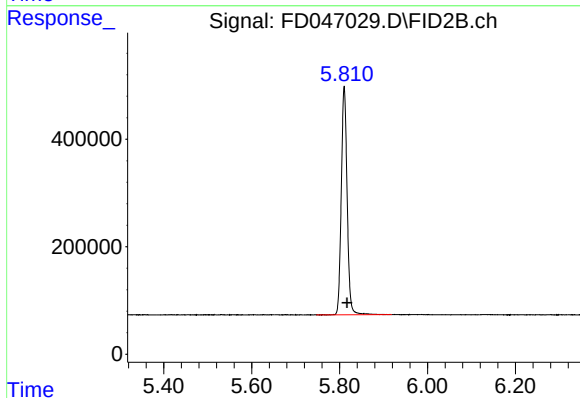
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.285 min
Delta R.T.: -0.006 min
Response: 3744944
Conc: 20.13 ug/ml

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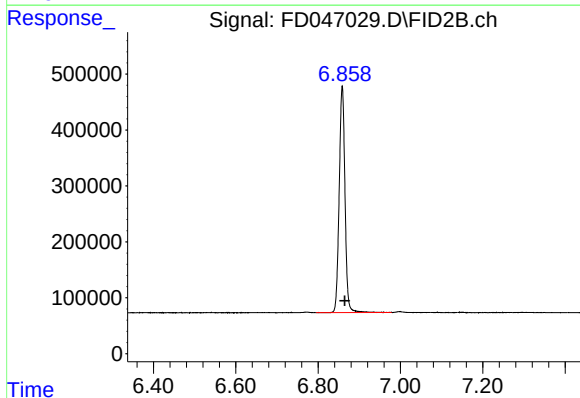
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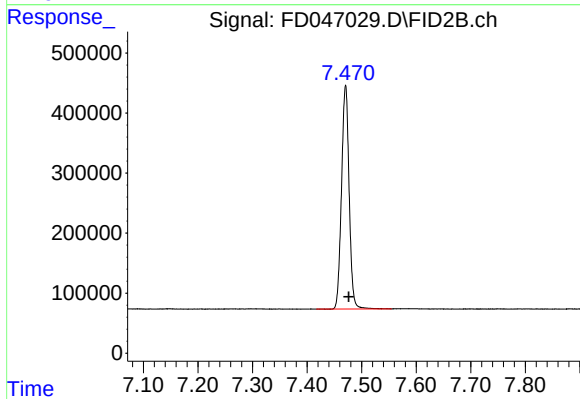
#2 Naphthalene (C11.7)

R.T.: 5.811 min
Delta R.T.: -0.006 min
Response: 3906742
Conc: 20.52 ug/ml



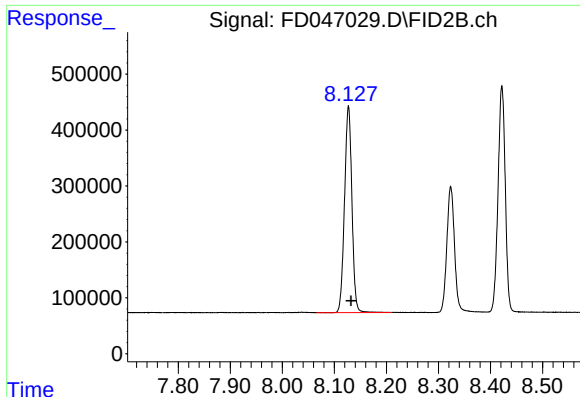
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.859 min
Delta R.T.: -0.006 min
Response: 3952169
Conc: 20.52 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.471 min
Delta R.T.: -0.006 min
Response: 3607095
Conc: 20.85 ug/ml



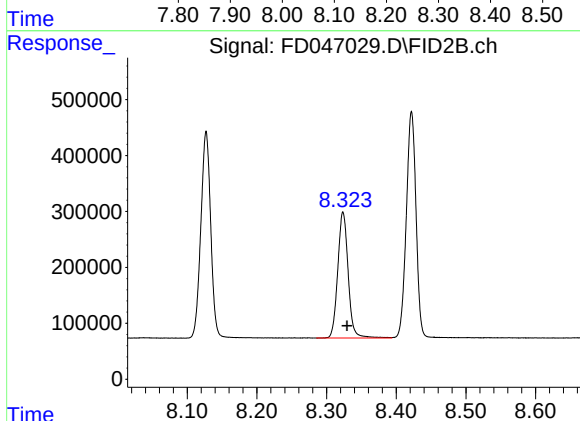
#5 Acenaphthylene (C15.06)

R.T.: 8.127 min
Delta R.T.: -0.005 min
Response: 3644915
Conc: 20.94 ug/ml

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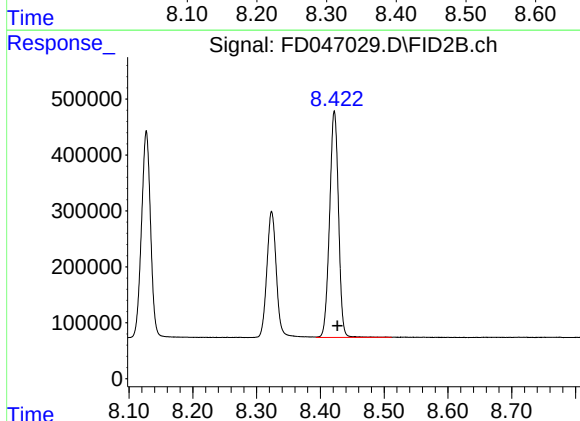
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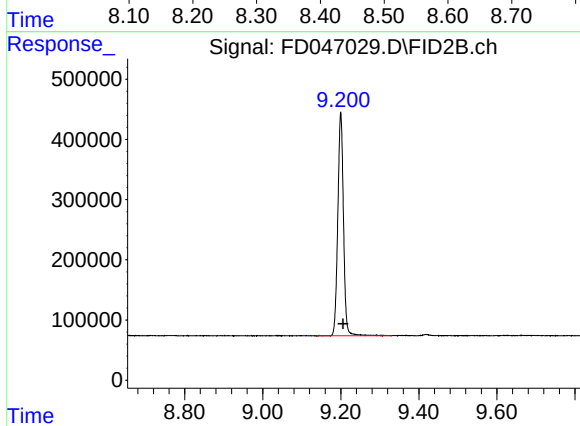
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.324 min
Delta R.T.: -0.006 min
Response: 2336764
Conc: 21.49 ug/ml



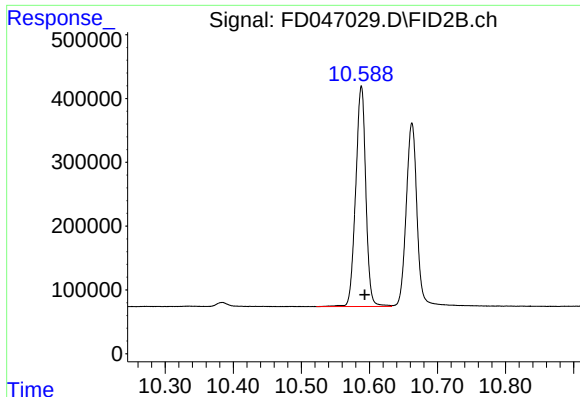
#7 Acenaphthene (C15.5)

R.T.: 8.422 min
Delta R.T.: -0.005 min
Response: 3930243
Conc: 21.19 ug/ml



#8 Fluorene (C16.55)

R.T.: 9.200 min
Delta R.T.: -0.006 min
Response: 3736751
Conc: 21.65 ug/ml



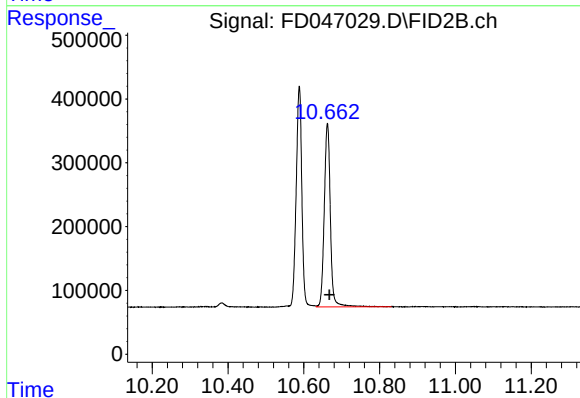
#9 Phenanthrene (C19.36)

R.T.: 10.588 min
Delta R.T.: -0.005 min
Response: 3578523
Conc: 21.80 ug/ml

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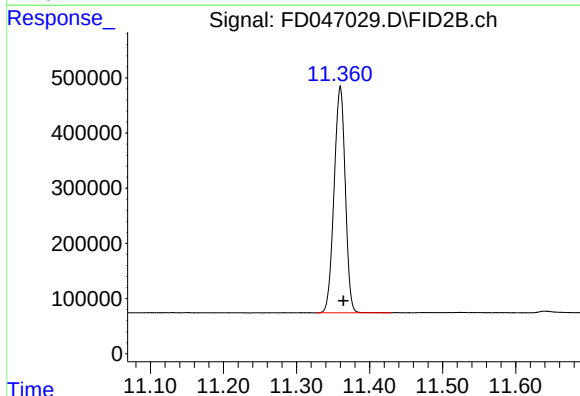
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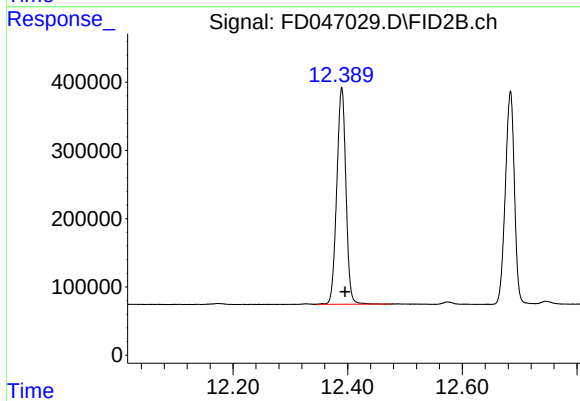
#10 Anthracene (C19.43)

R.T.: 10.662 min
Delta R.T.: -0.005 min
Response: 3220712
Conc: 20.83 ug/ml



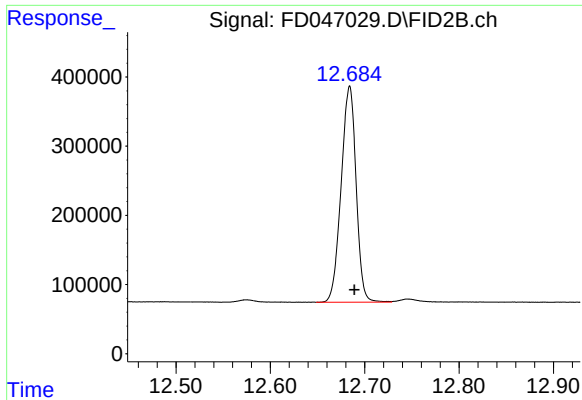
#11 ortho-Terphenyl (SURR)

R.T.: 11.360 min
Delta R.T.: -0.004 min
Response: 4361253
Conc: 21.92 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.390 min
Delta R.T.: -0.005 min
Response: 3523979
Conc: 22.23 ug/ml



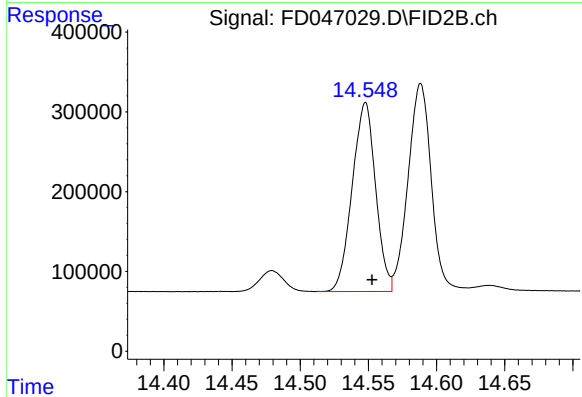
#13 Pyrene (C20.8)

R.T.: 12.684 min
Delta R.T.: -0.005 min
Response: 3442764
Conc: 22.50 ug/ml

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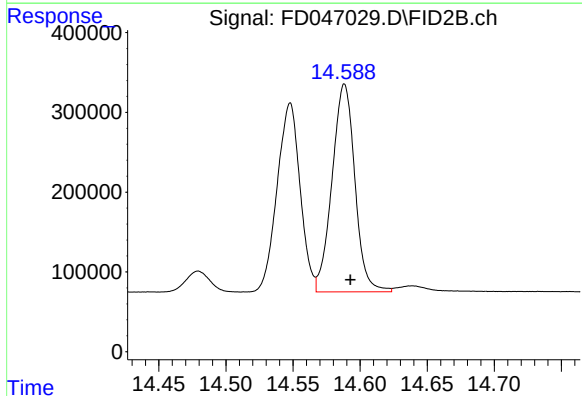
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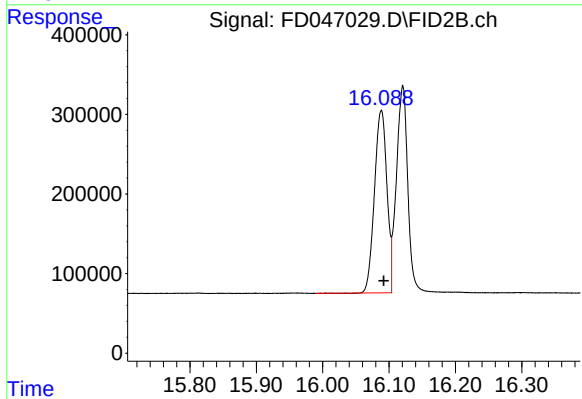
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.548 min
Delta R.T.: -0.005 min
Response: 2825226
Conc: 21.79 ug/ml



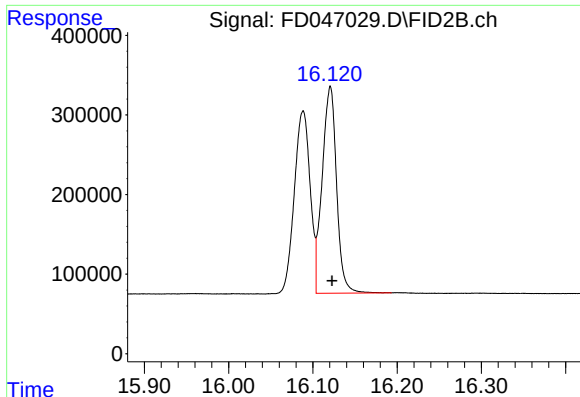
#15 Chrysene (C27.41)

R.T.: 14.588 min
Delta R.T.: -0.004 min
Response: 3088839
Conc: 21.55 ug/ml



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

R.T.: 16.088 min
Delta R.T.: -0.004 min
Response: 2987186
Conc: 22.36 ug/ml



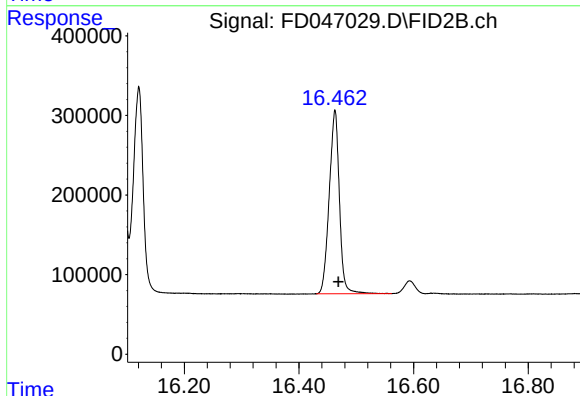
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.120 min
Delta R.T.: -0.003 min
Response: 3088672
Conc: 22.61 ug/ml

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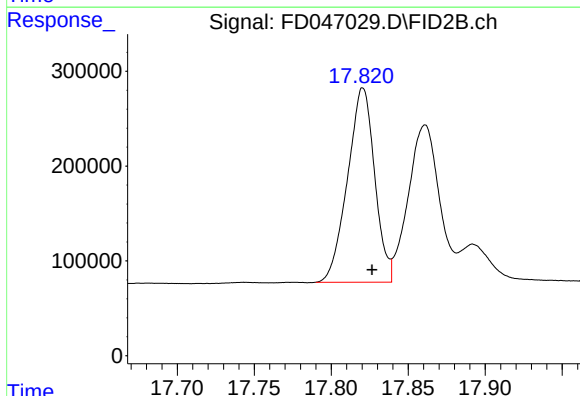
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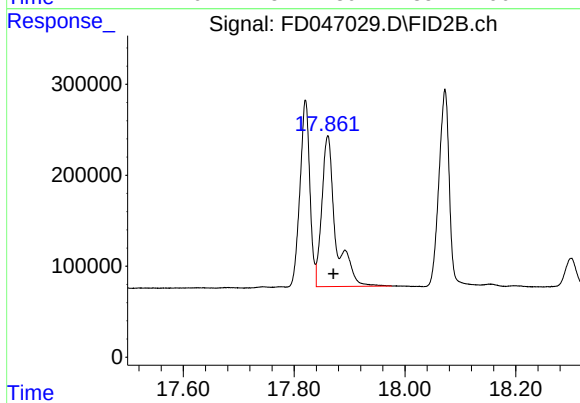
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.463 min
Delta R.T.: -0.006 min
Response: 2845107
Conc: 21.72 ug/ml



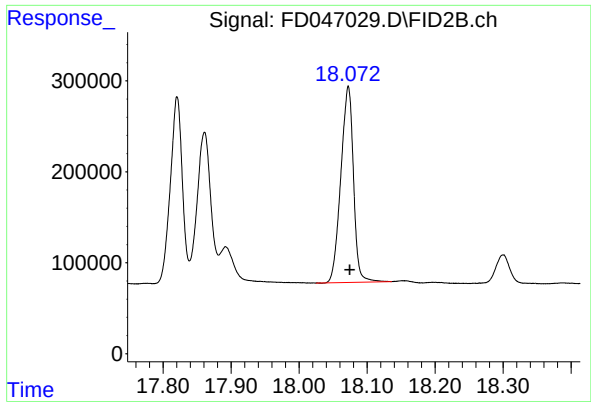
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.820 min
Delta R.T.: -0.006 min
Response: 2516438
Conc: 21.09 ug/ml



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

R.T.: 17.860 min
Delta R.T.: -0.011 min
Response: 2899796
Conc: 22.32 ug/ml m



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

R.T.: 18.072 min
Delta R.T.: -0.002 min
Response: 2783624
Conc: 21.28 ug/ml

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