

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD122623AR\
 Data File : FD047093.D
 Signal(s) : FID2B.ch
 Acq On : 26 Dec 2023 14:01
 Operator : YP/AJ
 Sample : 20 PPM AROMATIC HC STD
 Misc :
 ALS Vial : 66 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 20 PPM AROMATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/28/2023
 Supervised By :Ankita Jodhani 12/28/2023

Integration File: autoint1.e
 Quant Time: Dec 26 22:26:22 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 122223.M
 Quant Title : GC Extractables
 QLast Update : Fri Dec 22 16:13:06 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...	7.470	3873628	23.366 ug/ml
Spiked Amount 50.000		Recovery =	46.73%
6) S 2-Fluorobiphenyl (SURR)	8.323	2445228	23.465 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	46.93%
11) S ortho-Terphenyl (SURR)	11.359	4537667	23.498 ug/ml
Spiked Amount 50.000		Recovery =	47.00%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.287	4144550	22.971 ug/ml
2) T Naphthalene (C11.7)	5.811	4269960	23.198 ug/ml
3) T 2-Methylnaphthalene (...)	6.859	4268628	23.256 ug/ml
5) T Acenaphthylene (C15.06)	8.127	3906097	23.286 ug/ml
7) T Acenaphthene (C15.5)	8.421	4184358	23.265 ug/ml
8) T Fluorene (C16.55)	9.199	3915618	23.624 ug/ml
9) T Phenanthrene (C19.36)	10.586	3671652	23.539 ug/mlm
10) T Anthracene (C19.43)	10.661	3307281	22.833 ug/ml
12) T Fluoranthene (C21.85)	12.389	3638591	24.037 ug/ml
13) T Pyrene (C20.8)	12.683	3510069	23.933 ug/ml
14) T Benzo[a]anthracene (C...	14.547	2879555	23.400 ug/ml
15) T Chrysene (C27.41)	14.588	3186746	22.702 ug/ml
16) T benzo[b]fluoranthene ...	16.089	3010566	23.372 ug/ml
17) T Bnezo[k]fluoranthene ...	16.120	3131691	23.545 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.463	2899514	22.817 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.821	2676836	24.145 ug/mlm
20) T Dibenz[a,h]anthracene...	17.861	2775216	21.719 ug/mlm
21) T Benzo[g,h,i]perylene ...	18.072	2884914	22.518 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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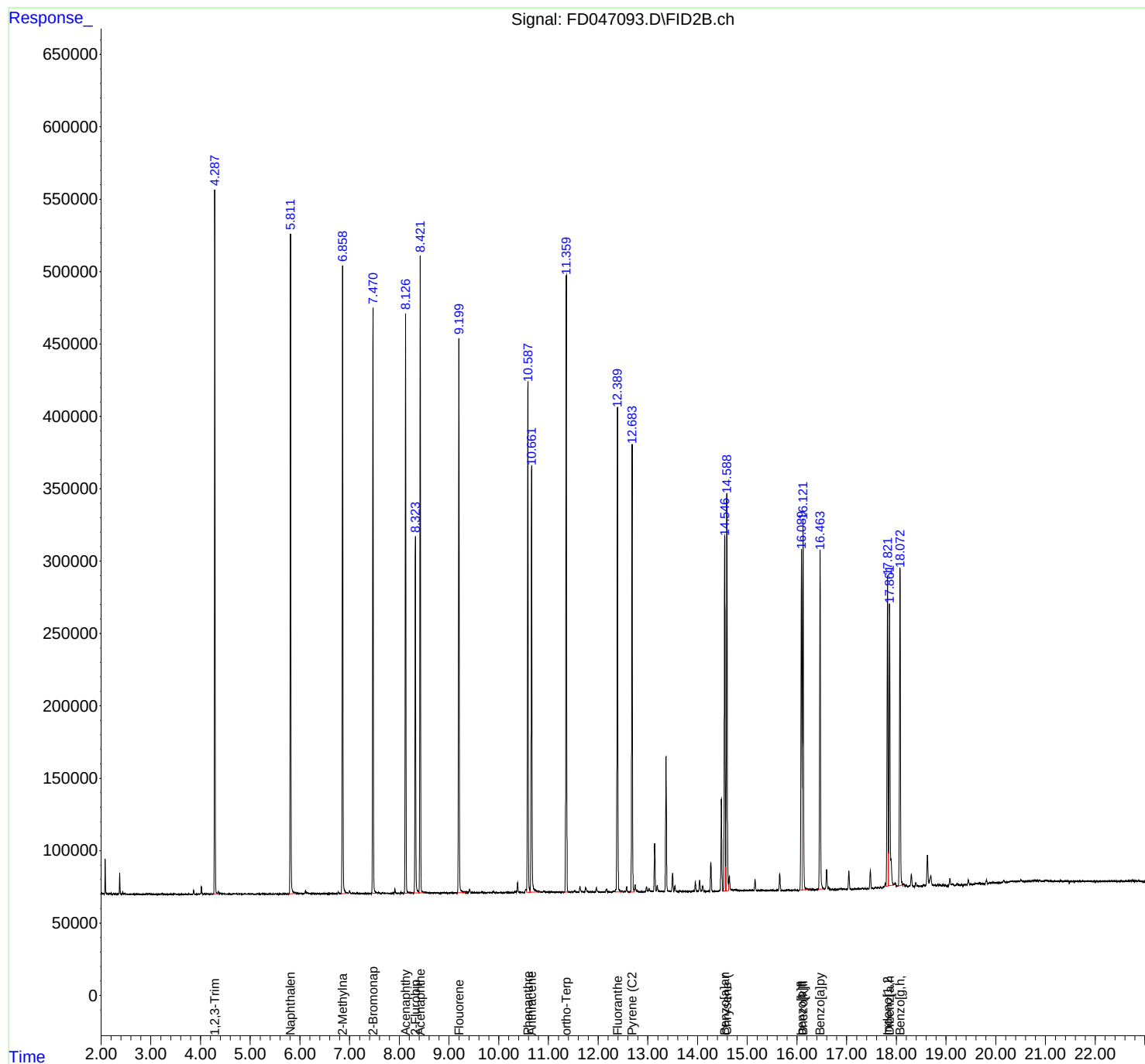
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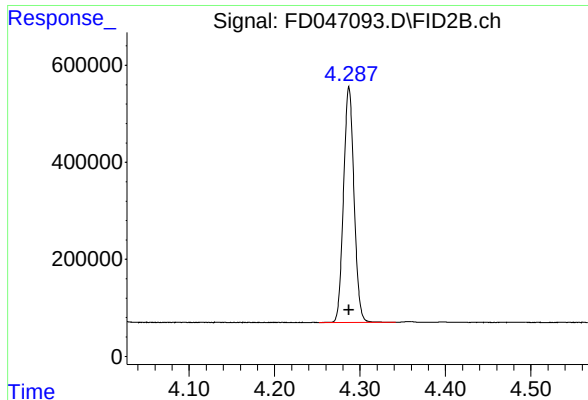
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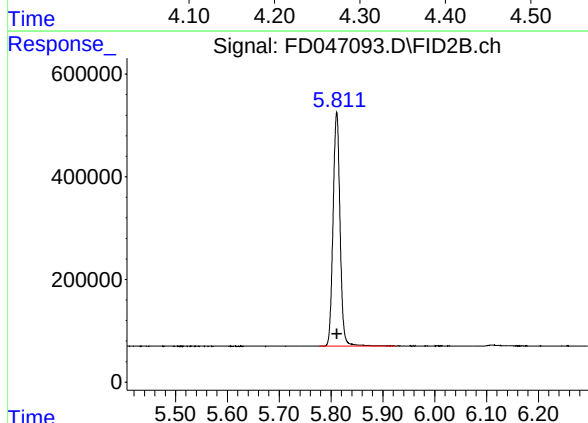
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.287 min
Delta R.T.: 0.000 min
Response: 4144550
Conc: 22.97 ug/ml

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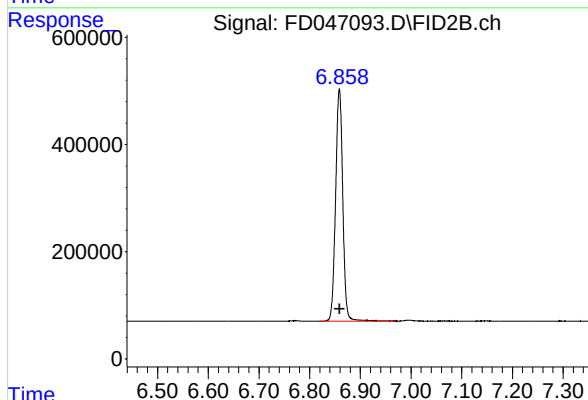
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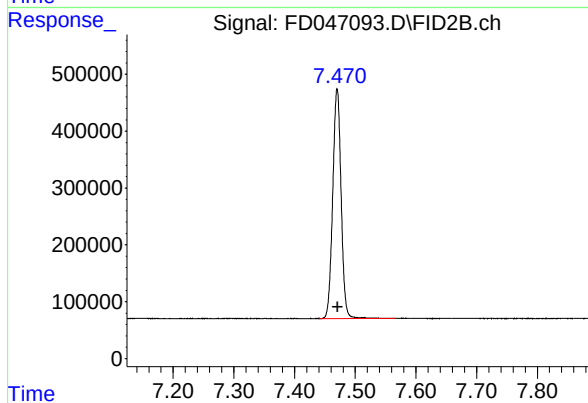
#2 Naphthalene (C11.7)

R.T.: 5.811 min
Delta R.T.: 0.000 min
Response: 4269960
Conc: 23.20 ug/ml



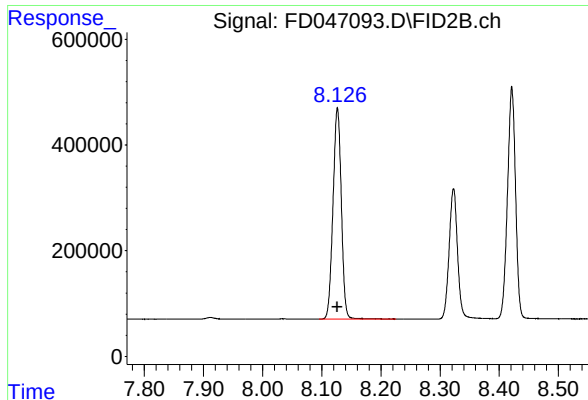
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.859 min
Delta R.T.: 0.000 min
Response: 4268628
Conc: 23.26 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.470 min
Delta R.T.: 0.000 min
Response: 3873628
Conc: 23.37 ug/ml



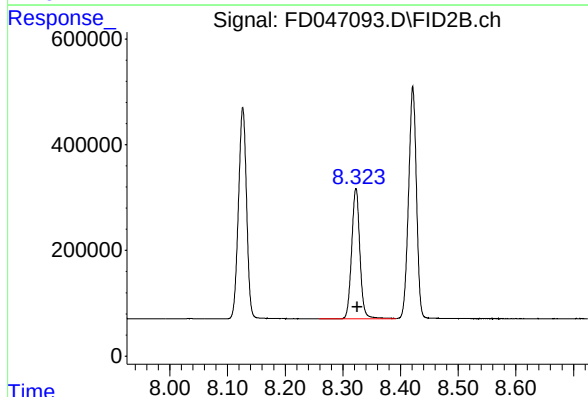
#5 Acenaphthylene (C15.06)

R.T.: 8.127 min
Delta R.T.: 0.000 min
Response: 3906097
Conc: 23.29 ug/ml

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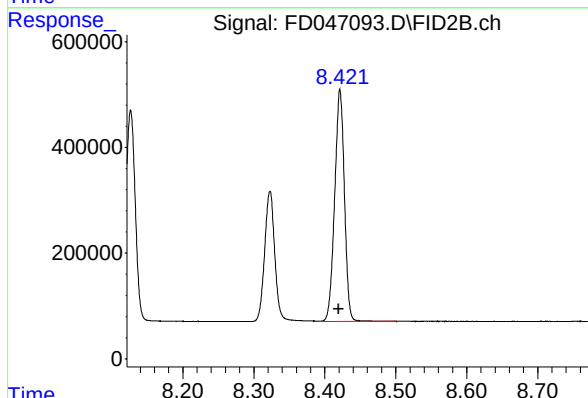
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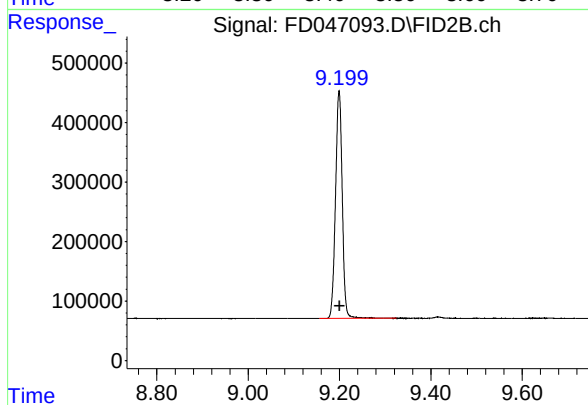
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.323 min
Delta R.T.: -0.002 min
Response: 2445228
Conc: 23.46 ug/ml



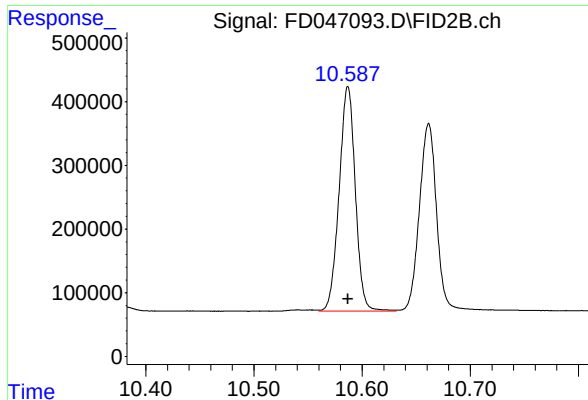
#7 Acenaphthene (C15.5)

R.T.: 8.421 min
Delta R.T.: 0.002 min
Response: 4184358
Conc: 23.27 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.199 min
Delta R.T.: 0.000 min
Response: 3915618
Conc: 23.62 ug/ml



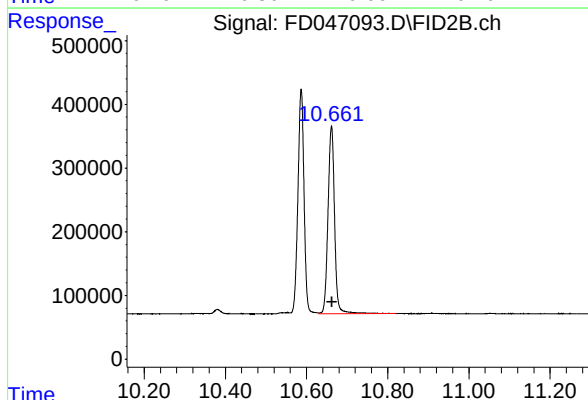
#9 Phenanthrene (C19.36)

R.T.: 10.586 min
Delta R.T.: 0.000 min
Response: 3671652
Conc: 23.54 ug/ml

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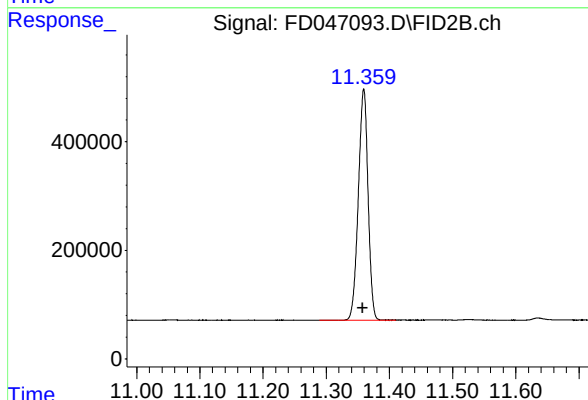
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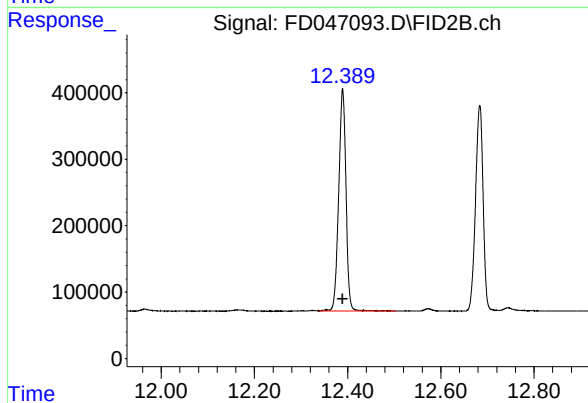
#10 Anthracene (C19.43)

R.T.: 10.661 min
Delta R.T.: 0.000 min
Response: 3307281
Conc: 22.83 ug/ml



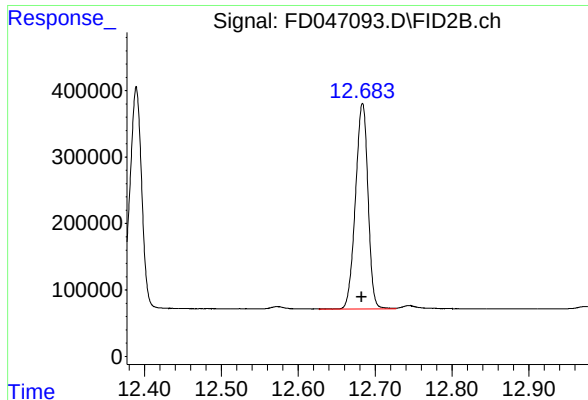
#11 ortho-Terphenyl (SURR)

R.T.: 11.359 min
Delta R.T.: 0.002 min
Response: 4537667
Conc: 23.50 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.389 min
Delta R.T.: 0.000 min
Response: 3638591
Conc: 24.04 ug/ml



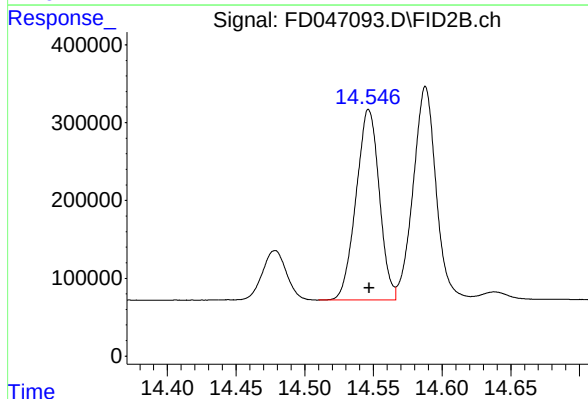
#13 Pyrene (C20.8)

R.T.: 12.683 min
Delta R.T.: 0.001 min
Response: 3510069
Conc: 23.93 ug/ml

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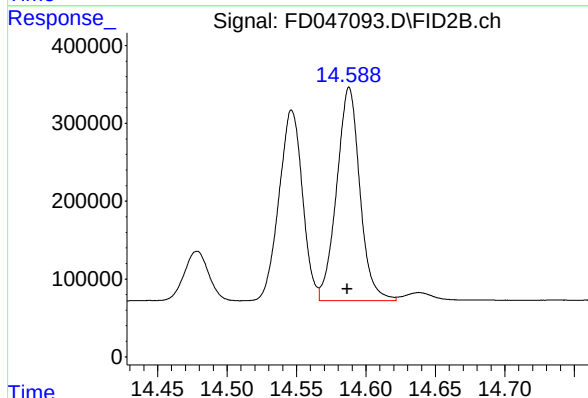
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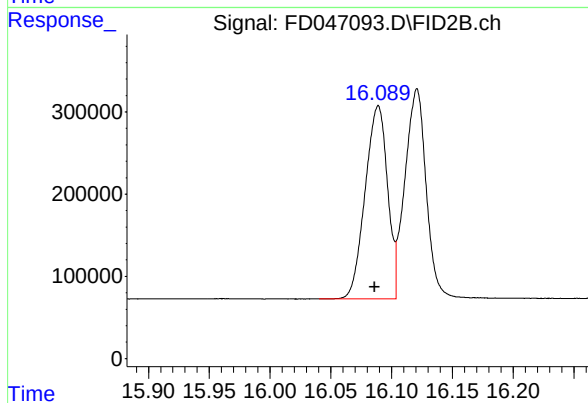
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.547 min
Delta R.T.: 0.000 min
Response: 2879555
Conc: 23.40 ug/ml



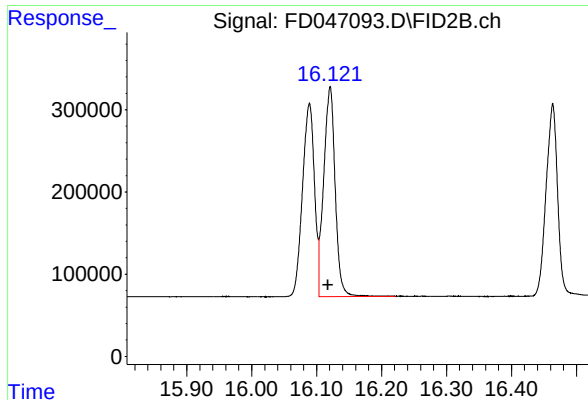
#15 Chrysene (C27.41)

R.T.: 14.588 min
Delta R.T.: 0.001 min
Response: 3186746
Conc: 22.70 ug/ml



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

R.T.: 16.089 min
Delta R.T.: 0.003 min
Response: 3010566
Conc: 23.37 ug/ml



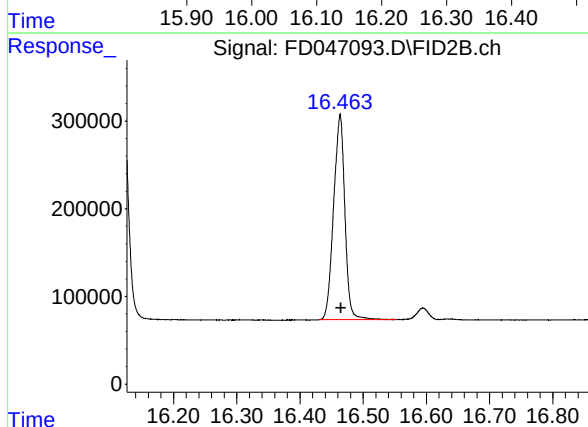
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.120 min
Delta R.T.: 0.003 min
Response: 3131691
Conc: 23.55 ug/ml

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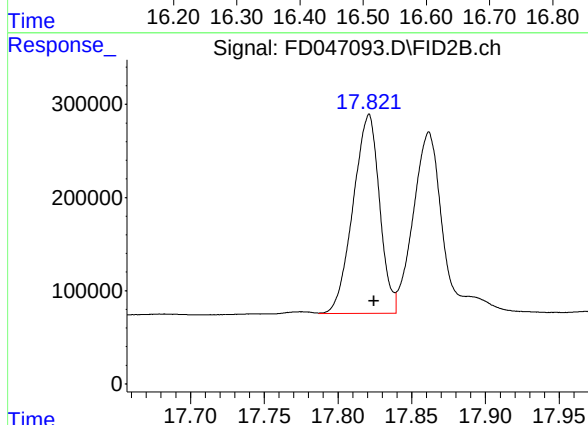
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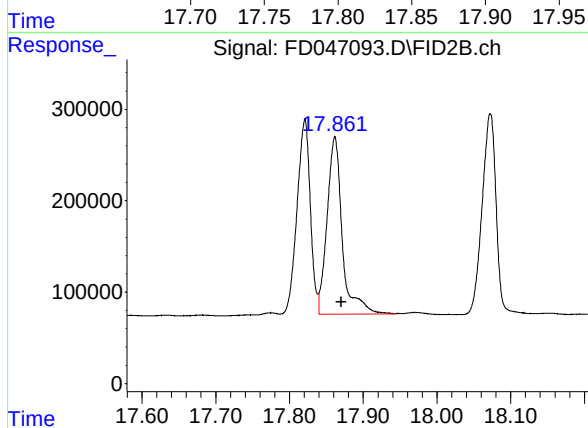
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.463 min
Delta R.T.: -0.002 min
Response: 2899514
Conc: 22.82 ug/ml



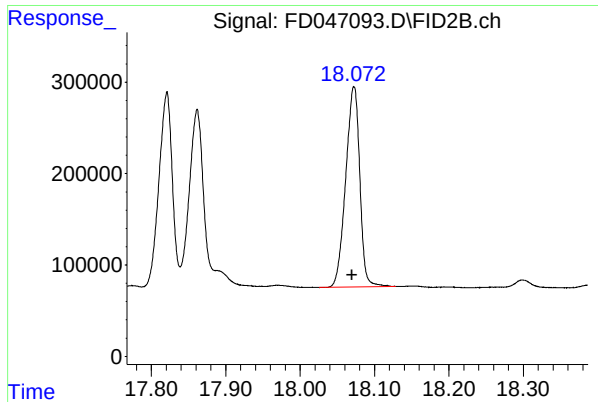
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.821 min
Delta R.T.: -0.003 min
Response: 2676836
Conc: 24.15 ug/ml m



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

R.T.: 17.861 min
Delta R.T.: -0.009 min
Response: 2775216
Conc: 21.72 ug/ml m



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

R.T.: 18.072 min
Delta R.T.: 0.003 min
Response: 2884914
Conc: 22.52 ug/ml

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