

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD112123AR\
 Data File : FD046936.D
 Signal(s) : FID2B.ch
 Acq On : 21 Nov 2023 13:55
 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 11/22/2023
 Supervised By :Ankita Jodhani 11/22/2023

Integration File: autoint1.e
 Quant Time: Nov 21 22:51:35 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 102723.M
 Quant Title : GC Extractables
 QLast Update : Sat Oct 28 02:49:53 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...	7.476	3778032	20.716 ug/ml
Spiked Amount 50.000		Recovery =	41.43%
6) S 2-Fluorobiphenyl (SURR)	8.329	2519545	21.410 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	42.82%
11) S ortho-Terphenyl (SURR)	11.366	4578684	21.622 ug/ml
Spiked Amount 50.000		Recovery =	43.24%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.290	3846288	19.916 ug/ml
2) T Naphthalene (C11.7)	5.816	4080628	20.378 ug/ml
3) T 2-Methylnaphthalene (...)	6.864	4170057	20.748 ug/ml
5) T Acenaphthylene (C15.06)	8.133	3874236	21.064 ug/ml
7) T Acenaphthene (C15.5)	8.428	4124117	21.054 ug/ml
8) T Flouorene (C16.55)	9.206	4016558	21.715 ug/ml
9) T Phenanthrene (C19.36)	10.595	3903835	21.943 ug/ml
10) T Anthracene (C19.43)	10.669	3711844	21.781 ug/ml
12) T Fluoranthene (C21.85)	12.397	3858439	22.341 ug/ml
13) T Pyrene (C20.8)	12.691	3767082	22.655 ug/ml
14) T Benzo[a]anthracene (C...	14.553	3178355	22.591 ug/mlm
15) T Chrysene (C27.41)	14.596	3415148	21.898 ug/mlm
16) T benzo[b]fluoranthene ...	16.095	3215511	22.466 ug/ml
17) T Bnezo[k]fluoranthene ...	16.127	3257966	22.253 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.469	3130047	22.331 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.828	2879640	22.795 ug/mlm
20) T Dibenz[a,h]anthracene...	17.867	2982604	21.350 ug/mlm
21) T Benzo[g,h,i]perylene ...	18.078	3059336	21.911 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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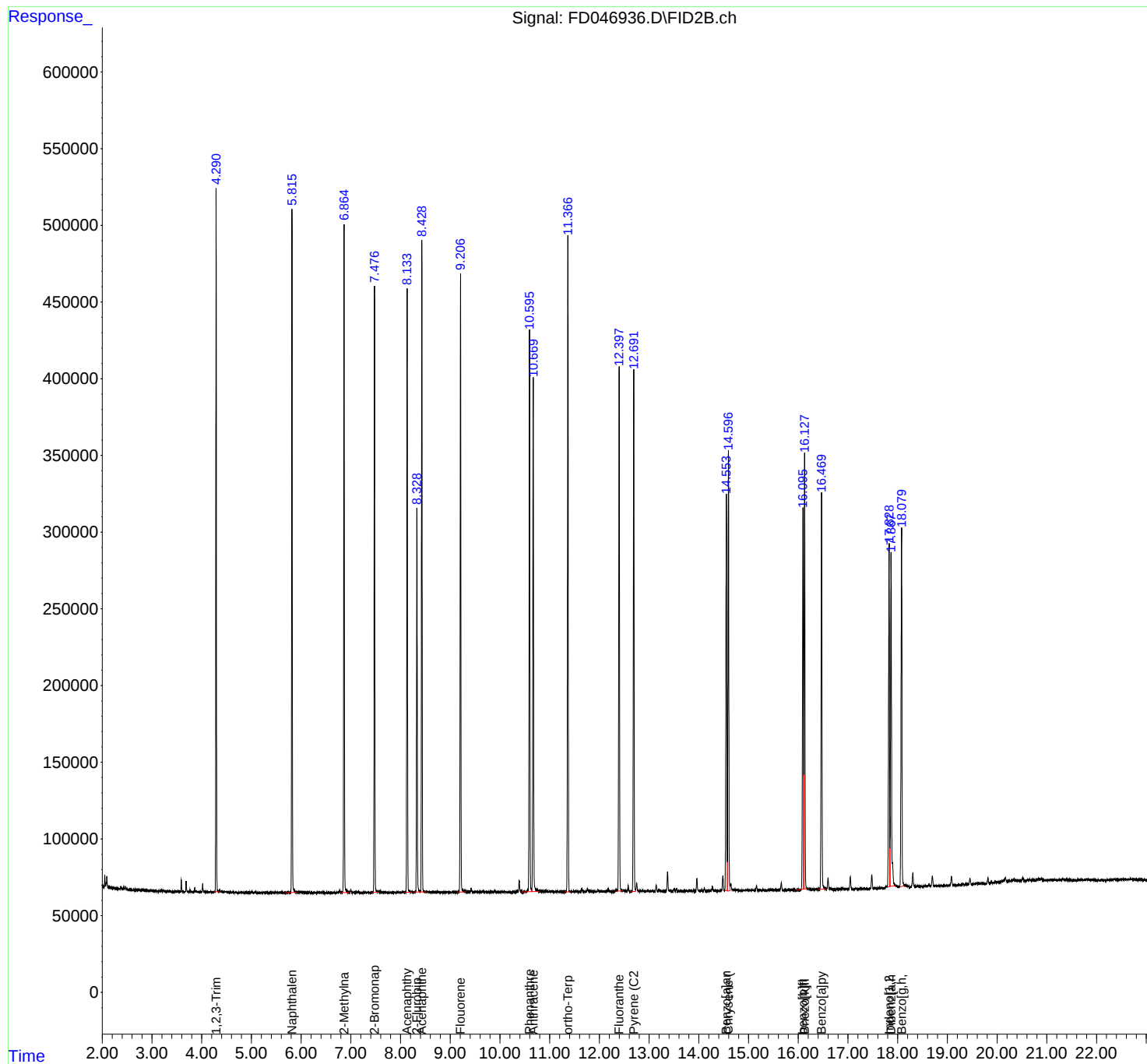
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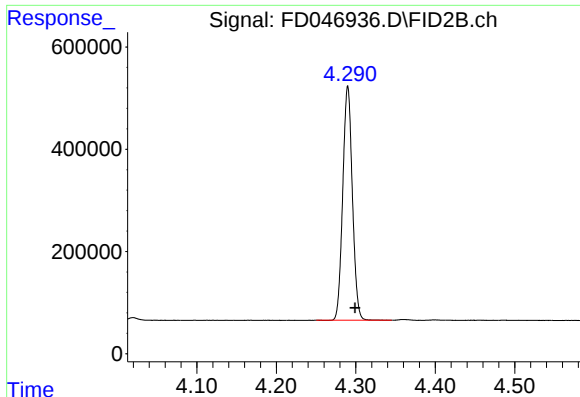
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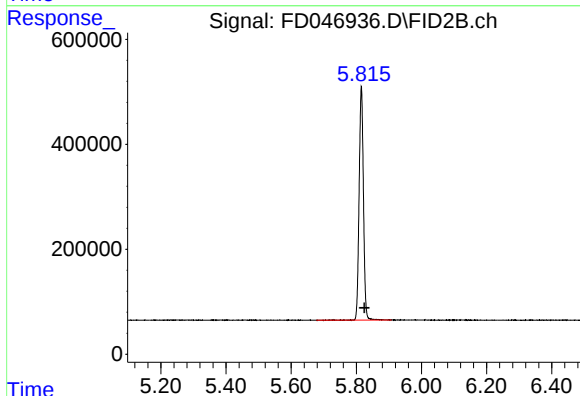
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.290 min
Delta R.T.: -0.009 min
Response: 3846288
Conc: 19.92 ug/ml

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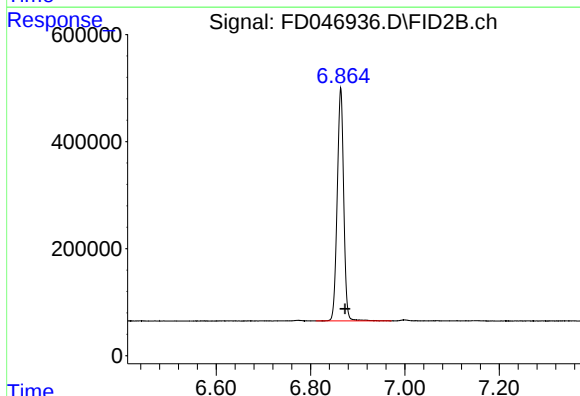
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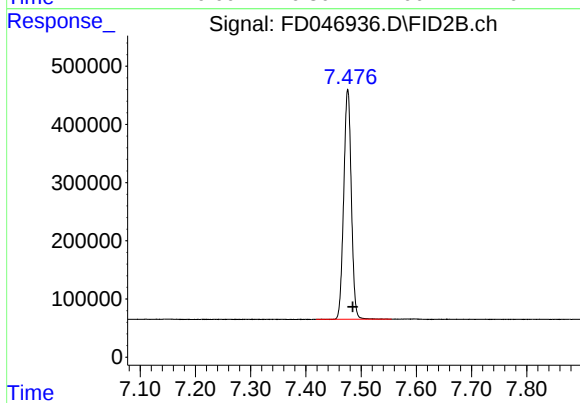
#2 Naphthalene (C11.7)

R.T.: 5.816 min
Delta R.T.: -0.009 min
Response: 4080628
Conc: 20.38 ug/ml



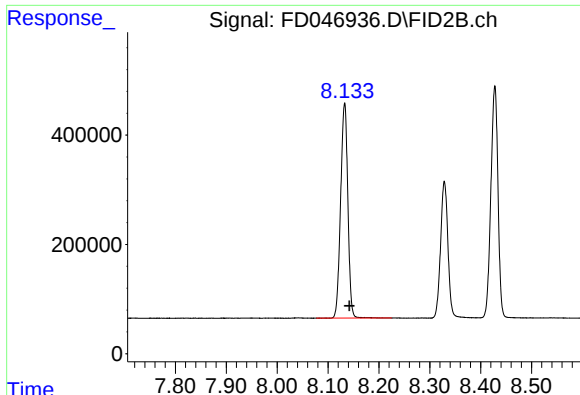
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.864 min
Delta R.T.: -0.009 min
Response: 4170057
Conc: 20.75 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.476 min
Delta R.T.: -0.009 min
Response: 3778032
Conc: 20.72 ug/ml



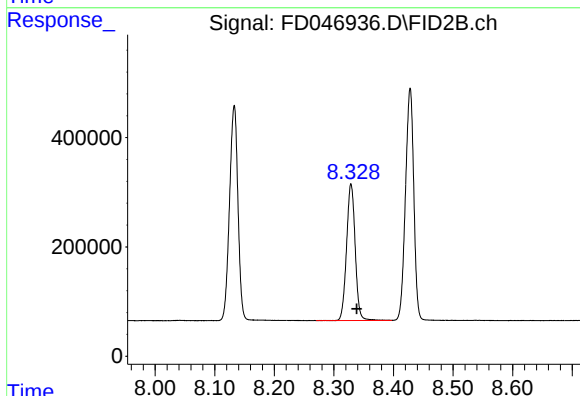
#5 Acenaphthylene (C15.06)

R.T.: 8.133 min
Delta R.T.: -0.009 min
Response: 3874236
Conc: 21.06 ug/ml

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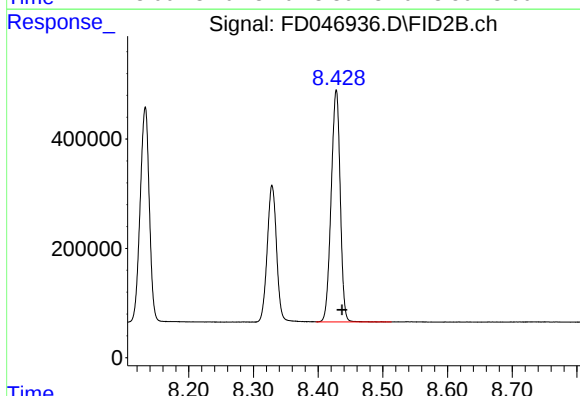
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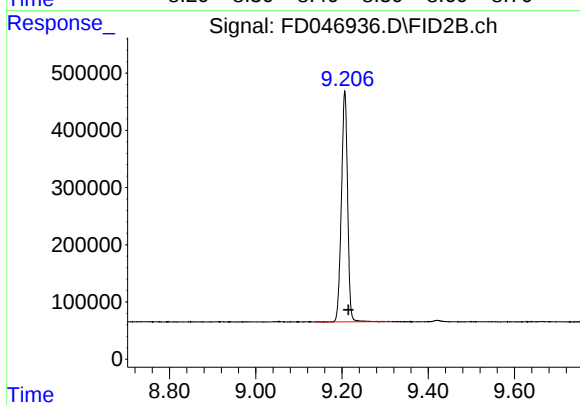
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.329 min
Delta R.T.: -0.009 min
Response: 2519545
Conc: 21.41 ug/ml



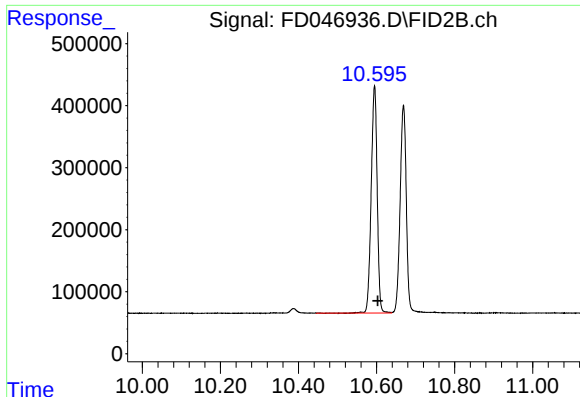
#7 Acenaphthene (C15.5)

R.T.: 8.428 min
Delta R.T.: -0.009 min
Response: 4124117
Conc: 21.05 ug/ml



#8 Fluorene (C16.55)

R.T.: 9.206 min
Delta R.T.: -0.008 min
Response: 4016558
Conc: 21.71 ug/ml



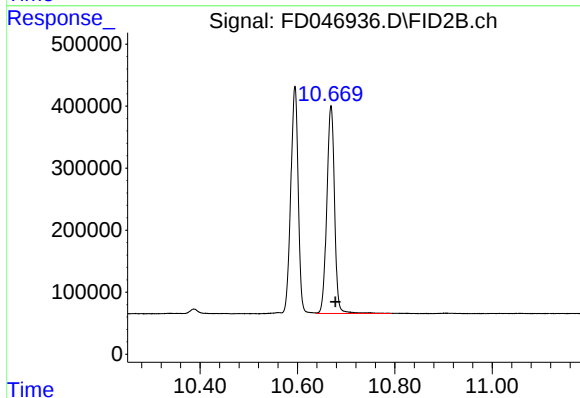
#9 Phenanthrene (C19.36)

R.T.: 10.595 min
Delta R.T.: -0.009 min
Response: 3903835
Conc: 21.94 ug/ml

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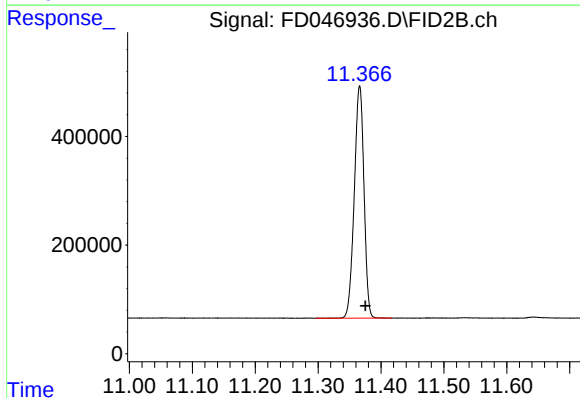
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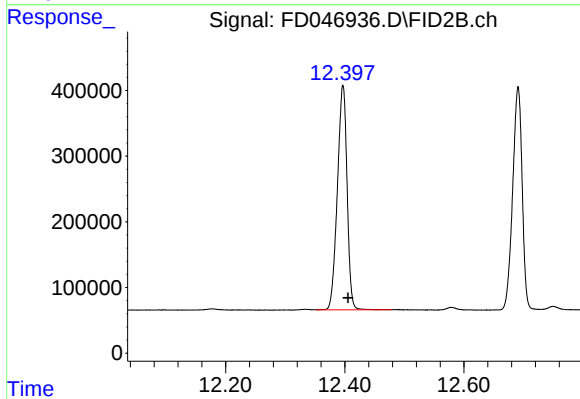
#10 Anthracene (C19.43)

R.T.: 10.669 min
Delta R.T.: -0.009 min
Response: 3711844
Conc: 21.78 ug/ml



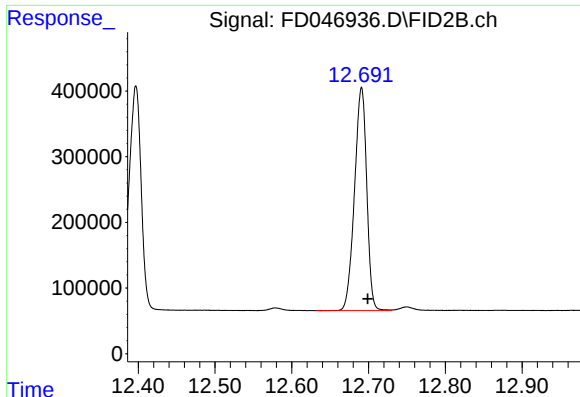
#11 ortho-Terphenyl (SURR)

R.T.: 11.366 min
Delta R.T.: -0.009 min
Response: 4578684
Conc: 21.62 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.397 min
Delta R.T.: -0.009 min
Response: 3858439
Conc: 22.34 ug/ml



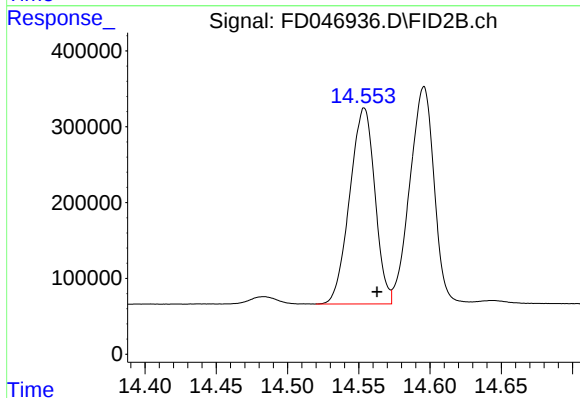
#13 Pyrene (C20.8)

R.T.: 12.691 min
Delta R.T.: -0.008 min
Response: 3767082
Conc: 22.66 ug/ml

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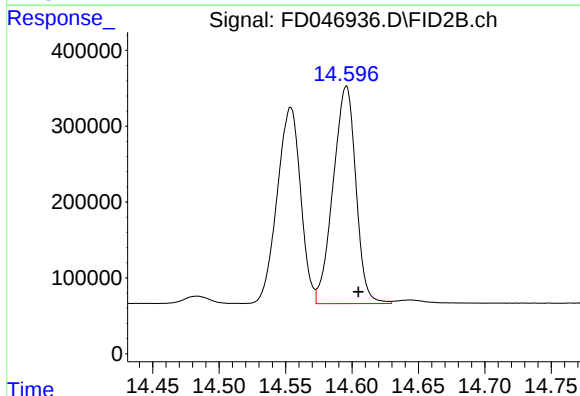
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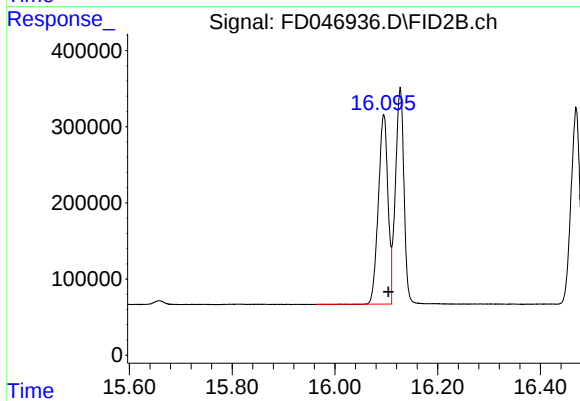
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.553 min
Delta R.T.: -0.010 min
Response: 3178355
Conc: 22.59 ug/ml m



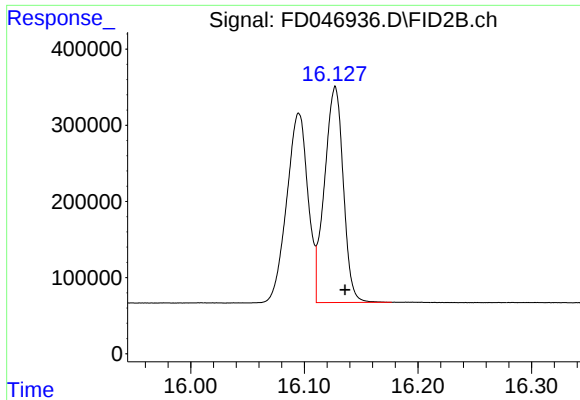
#15 Chrysene (C27.41)

R.T.: 14.596 min
Delta R.T.: -0.009 min
Response: 3415148
Conc: 21.90 ug/ml m



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

R.T.: 16.095 min
Delta R.T.: -0.009 min
Response: 3215511
Conc: 22.47 ug/ml



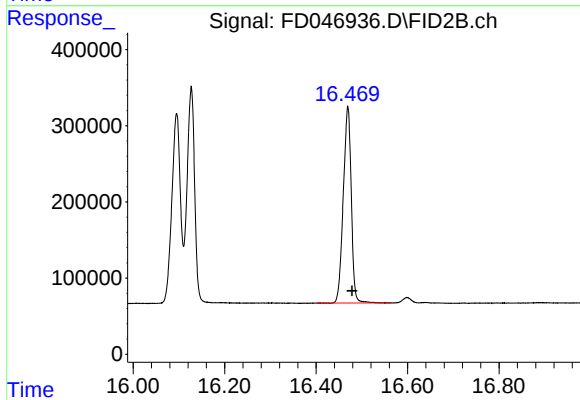
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.127 min
Delta R.T.: -0.009 min
Response: 3257966
Conc: 22.25 ug/ml

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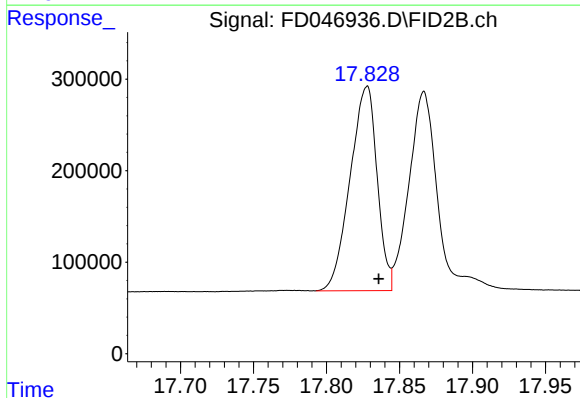
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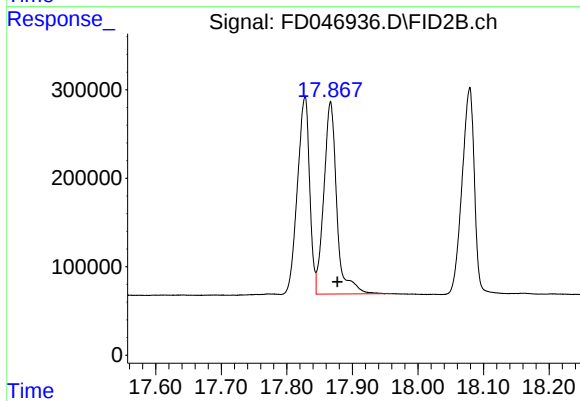
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.469 min
Delta R.T.: -0.009 min
Response: 3130047
Conc: 22.33 ug/ml



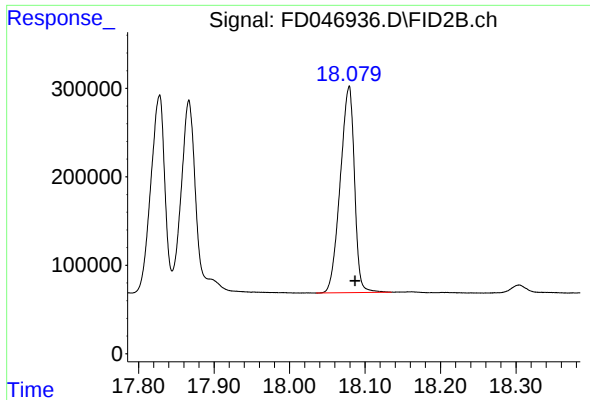
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.828 min
Delta R.T.: -0.008 min
Response: 2879640
Conc: 22.79 ug/ml m



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

R.T.: 17.867 min
Delta R.T.: -0.011 min
Response: 2982604
Conc: 21.35 ug/ml m



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

R.T.: 18.078 min
Delta R.T.: -0.009 min
Response: 3059336
Conc: 21.91 ug/ml

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