

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD120624AR\
 Data File : FD048835.D
 Signal(s) : FID2B.ch
 Acq On : 06 Dec 2024 15:05
 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 12/09/2024
 Supervised By :Ankita Jodhani 12/09/2024

Integration File: autoint1.e
 Quant Time: Dec 07 03:09:08 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	3353100	19.045 ug/ml
Spiked Amount 50.000		Recovery =	38.09%
6) S 2-Fluorobiphenyl (SURR)	8.213	2149230	18.661 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	37.32%
11) S ortho-Terphenyl (SURR)	11.246	3739335	19.442 ug/ml
Spiked Amount 50.000		Recovery =	38.88%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.186	3833961	20.343 ug/ml
2) T Naphthalene (C11.7)	5.703	3922036	20.054 ug/ml
3) T 2-Methylnaphthalene (...)	6.750	3953779	20.689 ug/ml
5) T Acenaphthylene (C15.06)	8.014	3857596	19.892 ug/ml
7) T Acenaphthene (C15.5)	8.308	3931521	20.440 ug/ml
8) T Flouorene (C16.55)	9.088	3707213	19.323 ug/ml
9) T Phenanthrene (C19.36)	10.474	3595059	19.613 ug/ml
10) T Anthracene (C19.43)	10.551	3410349	18.211 ug/ml
12) T Fluoranthene (C21.85)	12.279	3517436	19.208 ug/ml
13) T Pyrene (C20.8)	12.572	3430648	18.975 ug/ml
14) T Benzo[a]anthracene (C...	14.441	2956721	17.974 ug/ml
15) T Chrysene (C27.41)	14.483	3317394	18.955 ug/ml
16) T benzo[b]fluoranthene ...	15.988	3044673	19.378 ug/mlm
17) T Bnezo[k]fluoranthene ...	16.019	2926271	17.931 ug/mlm
18) T Benzo[a]pyrene (C31.34)	16.366	2847012	19.095 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.730	2275134	18.418 ug/ml
20) T Dibenz[a,h]anthracene...	17.770	3077789	19.627 ug/ml
21) T Benzo[g,h,i]perylene ...	17.979	2879883	20.183 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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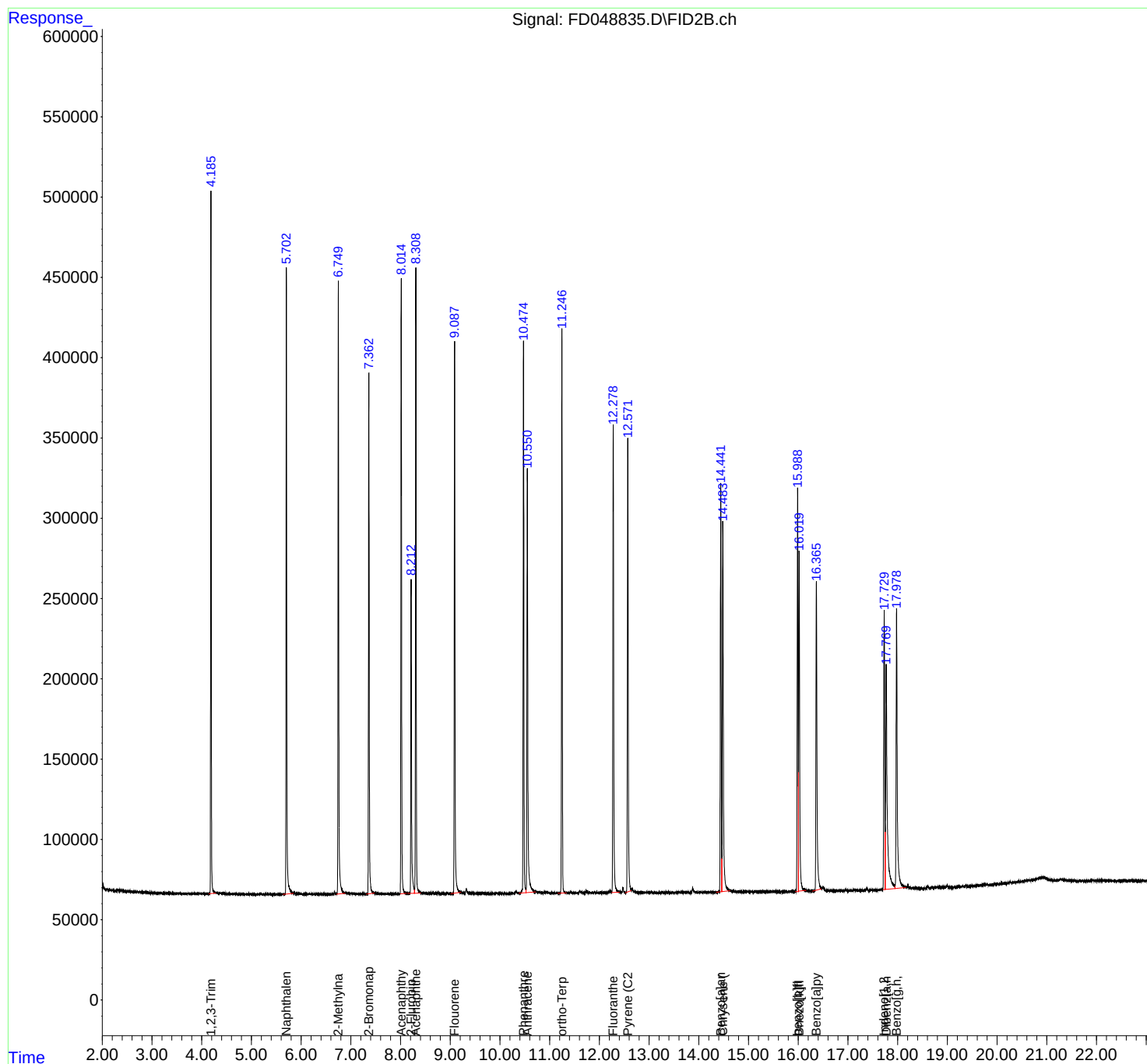
Instrument :
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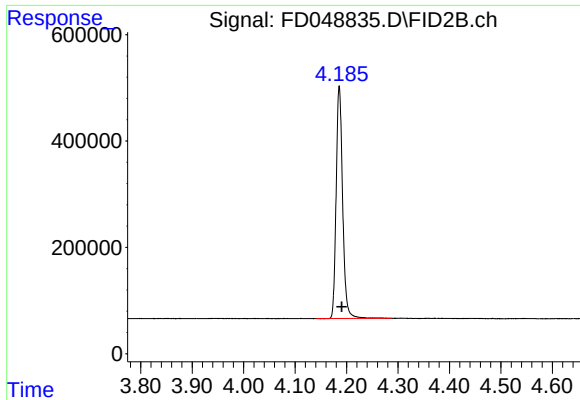
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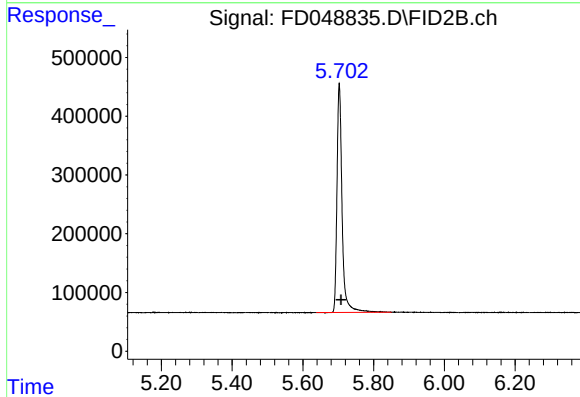
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.186 min
Delta R.T.: -0.005 min
Response: 3833961
Conc: 20.34 ug/ml

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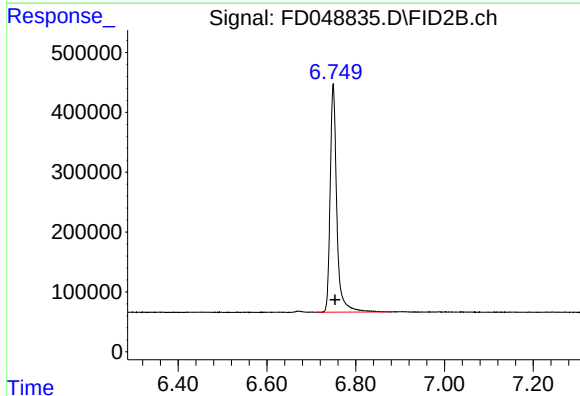
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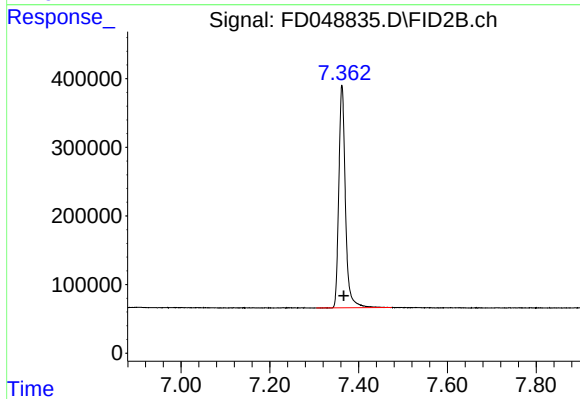
#2 Naphthalene (C11.7)

R.T.: 5.703 min
Delta R.T.: -0.005 min
Response: 3922036
Conc: 20.05 ug/ml



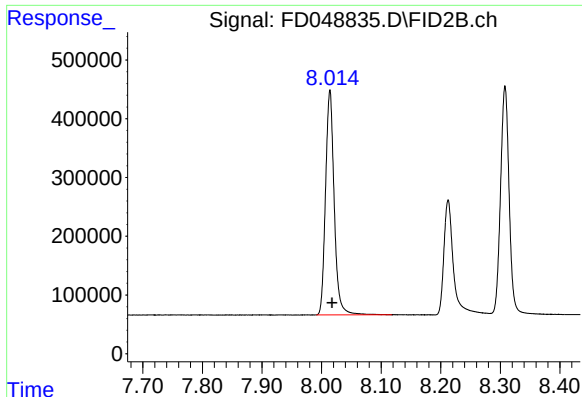
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.750 min
Delta R.T.: -0.004 min
Response: 3953779
Conc: 20.69 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.363 min
Delta R.T.: -0.004 min
Response: 3353100
Conc: 19.05 ug/ml



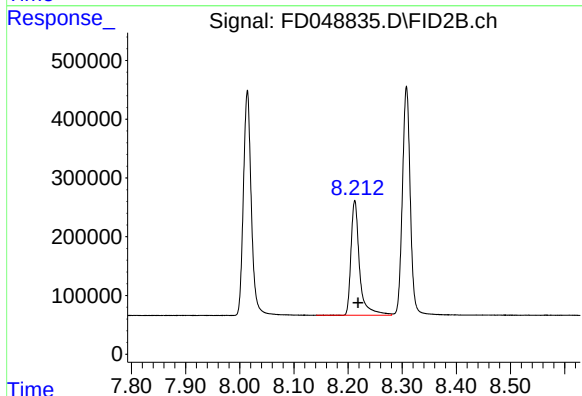
#5 Acenaphthylene (C15.06)

R.T.: 8.014 min
Delta R.T.: -0.004 min
Response: 3857596
Conc: 19.89 ug/ml

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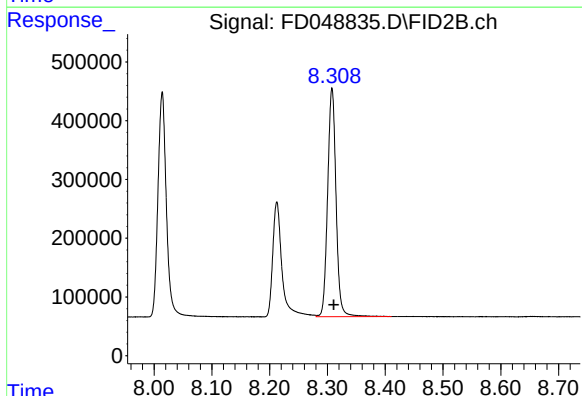
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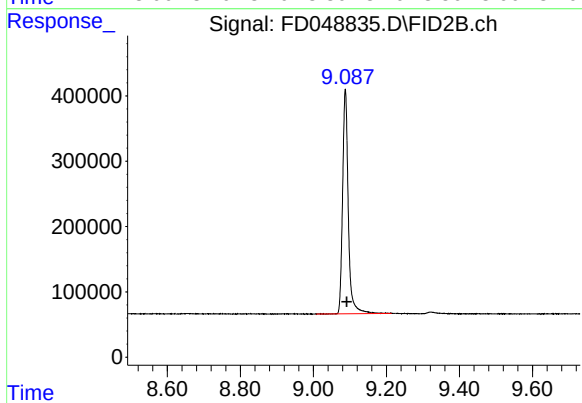
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.213 min
Delta R.T.: -0.006 min
Response: 2149230
Conc: 18.66 ug/ml



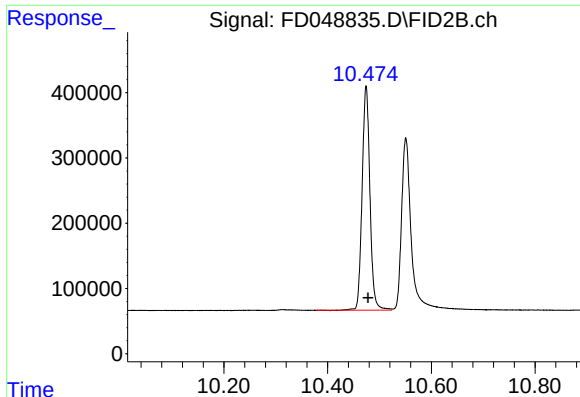
#7 Acenaphthene (C15.5)

R.T.: 8.308 min
Delta R.T.: -0.003 min
Response: 3931521
Conc: 20.44 ug/ml



#8 Fluorene (C16.55)

R.T.: 9.088 min
Delta R.T.: -0.004 min
Response: 3707213
Conc: 19.32 ug/ml



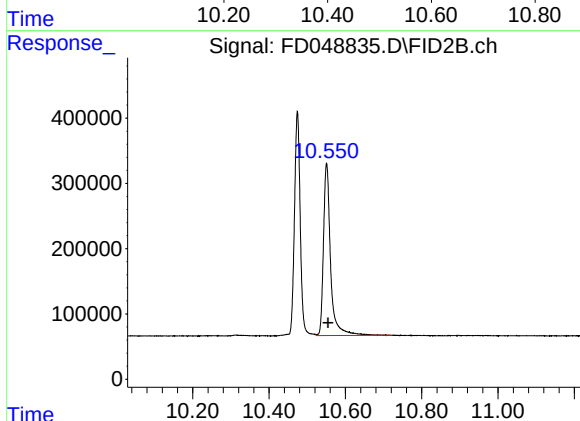
#9 Phenanthrene (C19.36)

R.T.: 10.474 min
Delta R.T.: -0.004 min
Response: 3595059
Conc: 19.61 ug/ml

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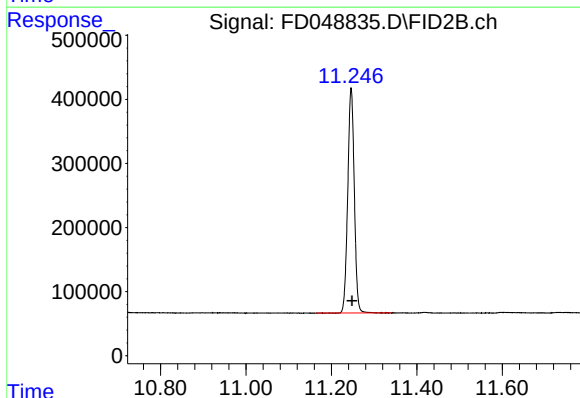
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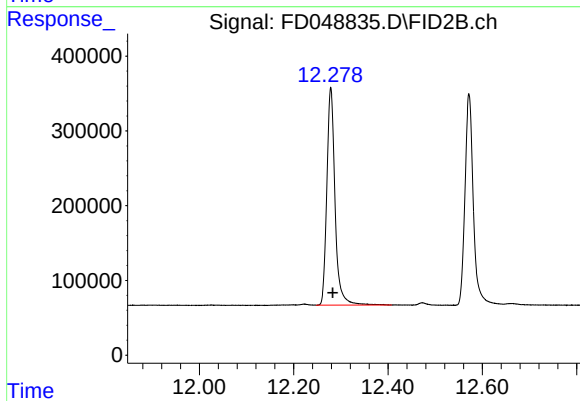
#10 Anthracene (C19.43)

R.T.: 10.551 min
Delta R.T.: -0.004 min
Response: 3410349
Conc: 18.21 ug/ml



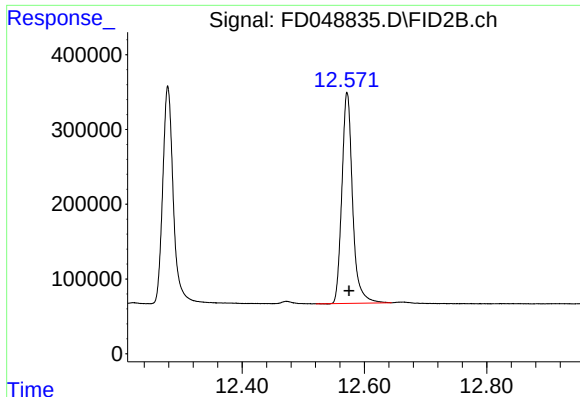
#11 ortho-Terphenyl (SURR)

R.T.: 11.246 min
Delta R.T.: -0.002 min
Response: 3739335
Conc: 19.44 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.279 min
Delta R.T.: -0.004 min
Response: 3517436
Conc: 19.21 ug/ml



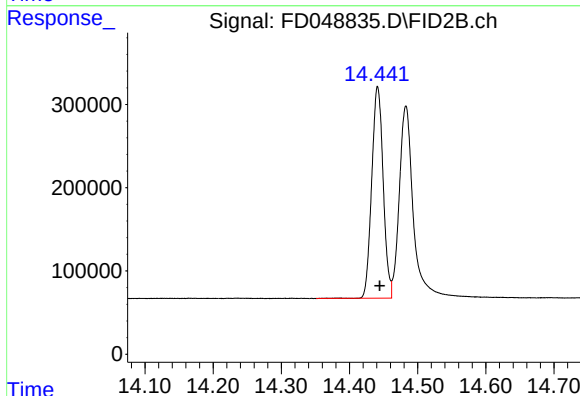
#13 Pyrene (C20.8)

R.T.: 12.572 min
Delta R.T.: -0.003 min
Response: 3430648
Conc: 18.98 ug/ml

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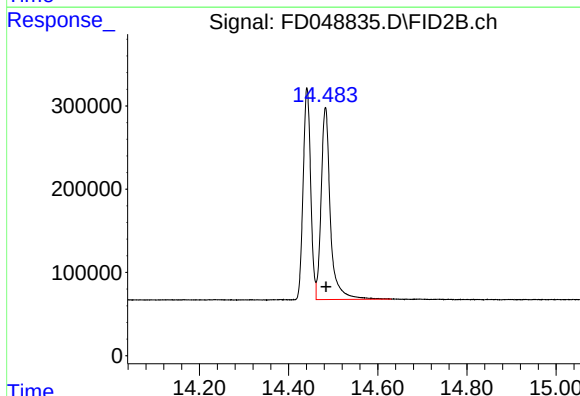
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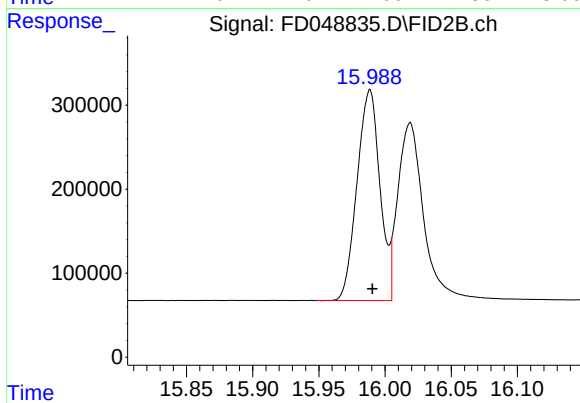
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.441 min
Delta R.T.: -0.003 min
Response: 2956721
Conc: 17.97 ug/ml



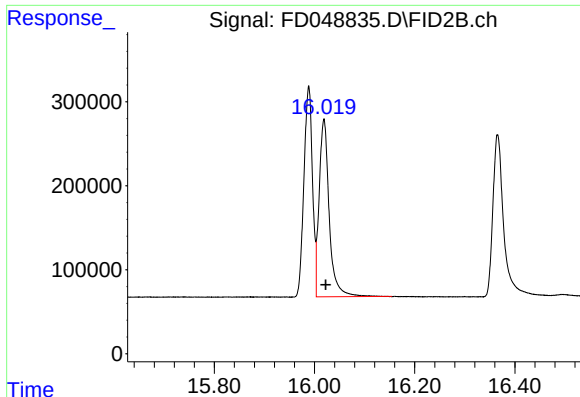
#15 Chrysene (C27.41)

R.T.: 14.483 min
Delta R.T.: -0.002 min
Response: 3317394
Conc: 18.96 ug/ml



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

R.T.: 15.988 min
Delta R.T.: -0.002 min
Response: 3044673
Conc: 19.38 ug/ml m



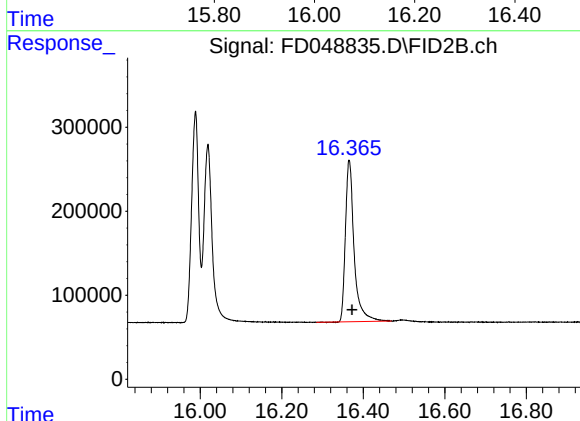
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.019 min
Delta R.T.: -0.004 min
Response: 2926271
Conc: 17.93 ug/ml

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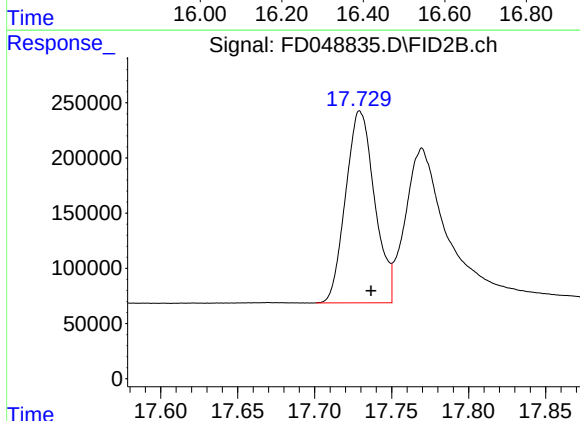
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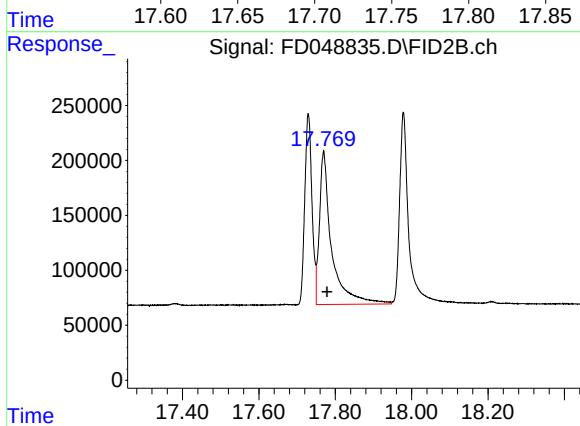
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.366 min
Delta R.T.: -0.007 min
Response: 2847012
Conc: 19.09 ug/ml



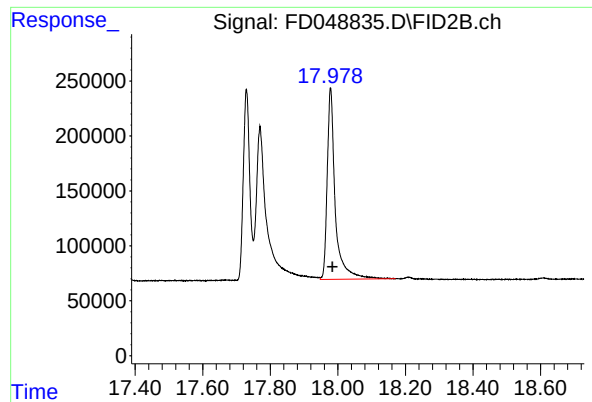
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.730 min
Delta R.T.: -0.007 min
Response: 2275134
Conc: 18.42 ug/ml



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

R.T.: 17.770 min
Delta R.T.: -0.008 min
Response: 3077789
Conc: 19.63 ug/ml



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

R.T.: 17.979 min
Delta R.T.: -0.006 min
Response: 2879883
Conc: 20.18 ug/ml

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