

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD122024AR\
 Data File : FD048897.D
 Signal(s) : FID2B.ch
 Acq On : 20 Dec 2024 09:05
 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 12/23/2024
 Supervised By :Ankita Jodhani 12/27/2024

Integration File: autoint1.e
 Quant Time: Dec 21 04:02:13 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 121024.M
 Quant Title : GC Extractables
 QLast Update : Tue Dec 10 06:07:50 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...	7.360	3252401	19.309 ug/ml
Spiked Amount 50.000		Recovery =	38.62%
6) S 2-Fluorobiphenyl (SURR)	8.211	1950670	18.882 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	37.76%
11) S ortho-Terphenyl (SURR)	11.243	3336120	18.778 ug/ml
Spiked Amount 50.000		Recovery =	37.56%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.183	3713381	19.613 ug/ml
2) T Naphthalene (C11.7)	5.700	3731373	19.527 ug/ml
3) T 2-Methylnaphthalene (...)	6.747	3567263	19.305 ug/ml
5) T Acenaphthylene (C15.06)	8.012	3524033	18.882 ug/ml
7) T Acenaphthene (C15.5)	8.305	3605067	19.357 ug/ml
8) T Flouorene (C16.55)	9.085	3371969	18.871 ug/ml
9) T Phenanthrene (C19.36)	10.471	3060913	18.326 ug/ml
10) T Anthracene (C19.43)	10.548	3092138	18.219 ug/ml
12) T Fluoranthene (C21.85)	12.276	2963371	18.104 ug/ml
13) T Pyrene (C20.8)	12.569	2983753	18.345 ug/ml
14) T Benzo[a]anthracene (C...	14.439	2466941	18.673 ug/ml
15) T Chrysene (C27.41)	14.480	3029341	18.765 ug/ml
16) T benzo[b]fluoranthene ...	15.985	2686532	19.955 ug/ml
17) T Bnezo[k]fluoranthene ...	16.016	2909035	19.098 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.363	2693007	19.471 ug/mlm
19) T Indeno[1,2,3-cd]pyren...	17.730	1893700	17.770 ug/ml
20) T Dibenz[a,h]anthracene...	17.772	2839636	19.580 ug/ml
21) T Benzo[g,h,i]perylene ...	17.977	2741184	19.551 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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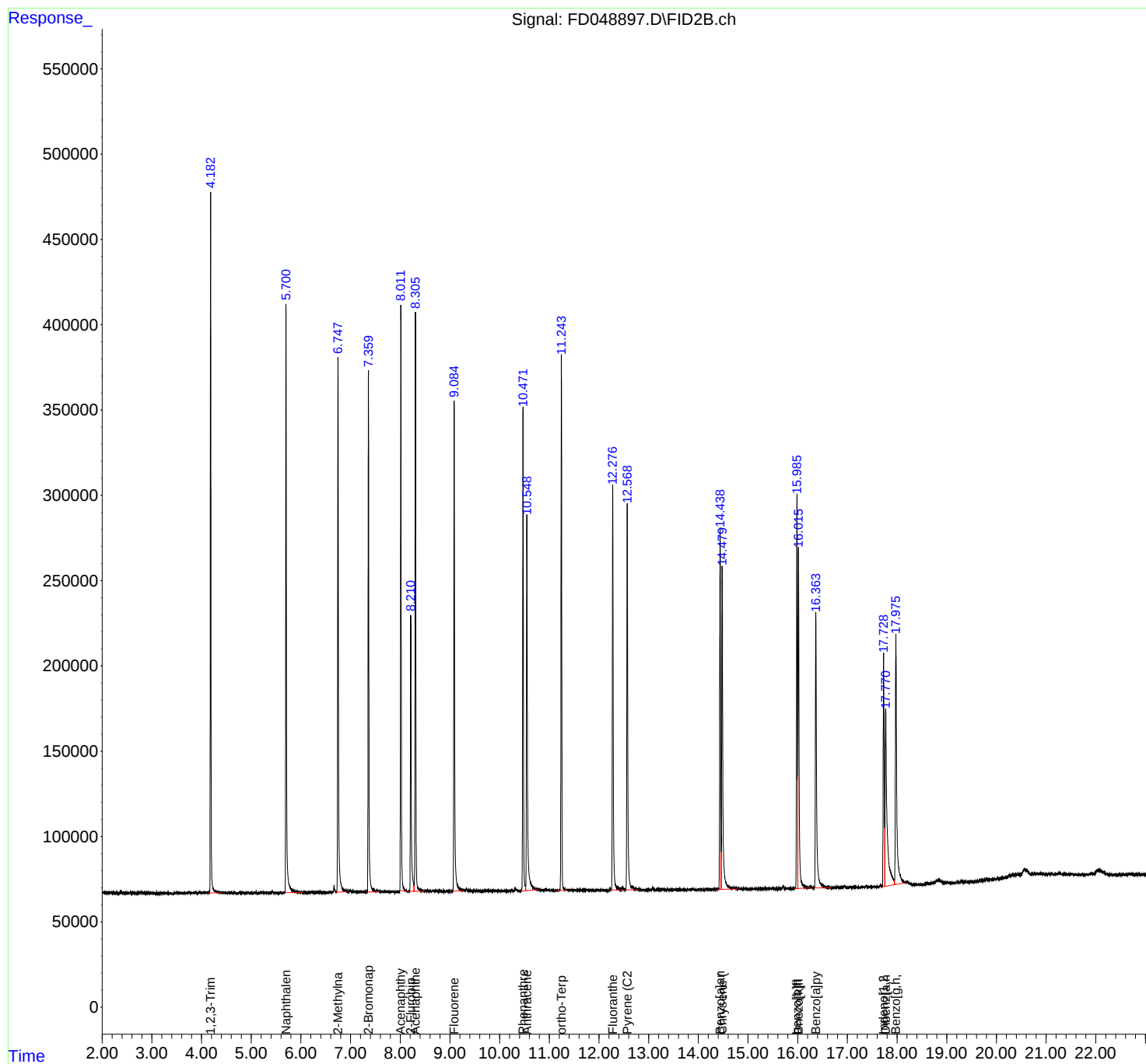
Instrument :
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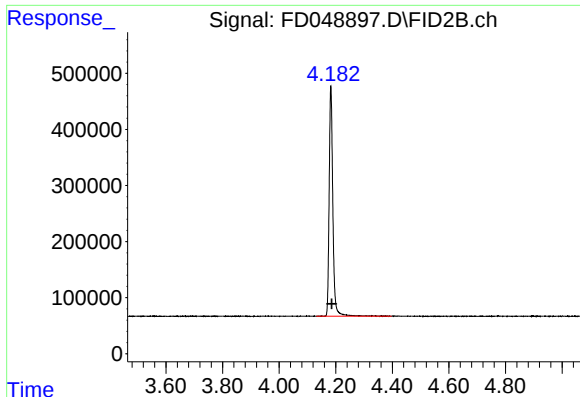
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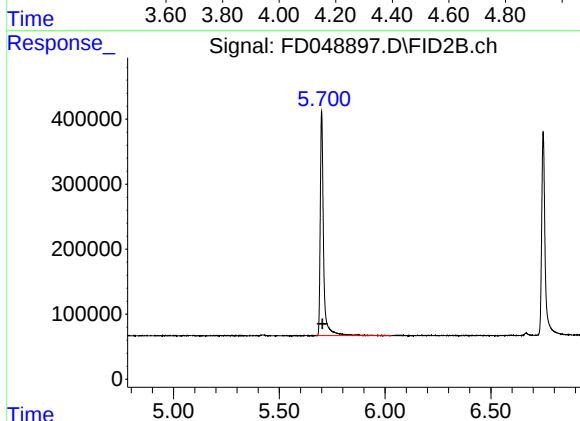
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.183 min
Delta R.T.: -0.003 min
Response: 3713381
Conc: 19.61 ug/ml

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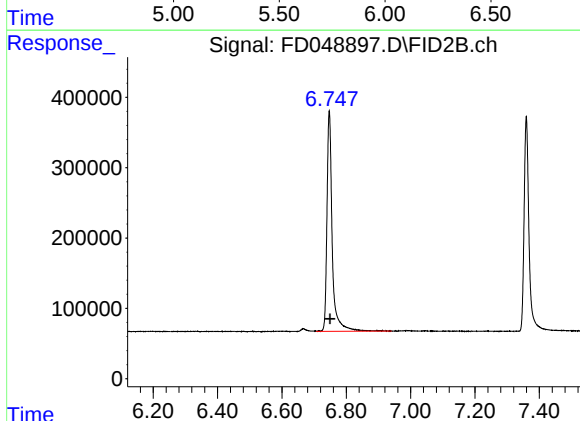
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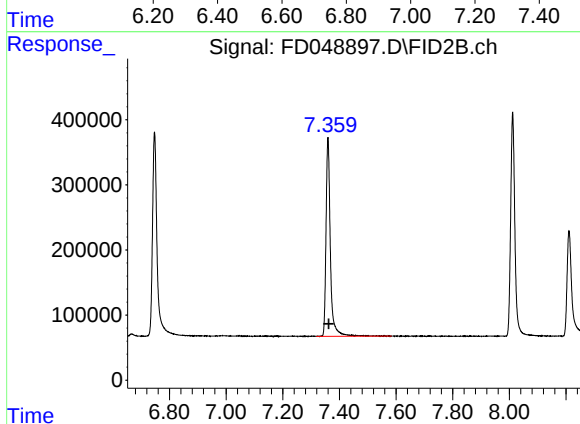
#2 Naphthalene (C11.7)

R.T.: 5.700 min
Delta R.T.: -0.003 min
Response: 3731373
Conc: 19.53 ug/ml



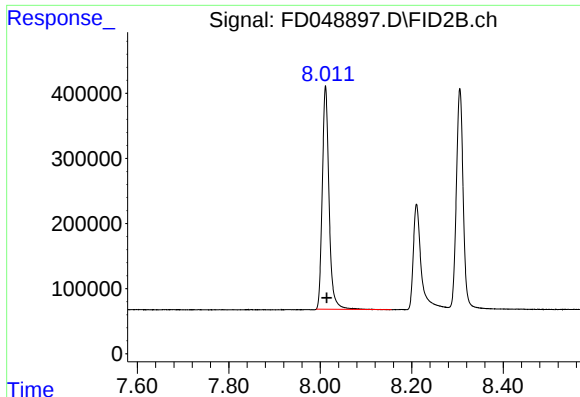
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.747 min
Delta R.T.: -0.002 min
Response: 3567263
Conc: 19.31 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.360 min
Delta R.T.: -0.003 min
Response: 3252401
Conc: 19.31 ug/ml



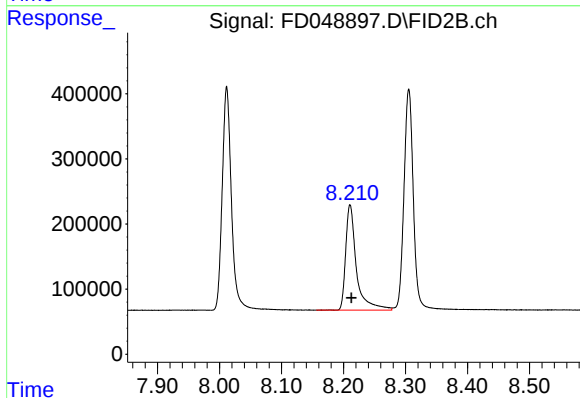
#5 Acenaphthylene (C15.06)

R.T.: 8.012 min
Delta R.T.: -0.003 min
Response: 3524033
Conc: 18.88 ug/ml

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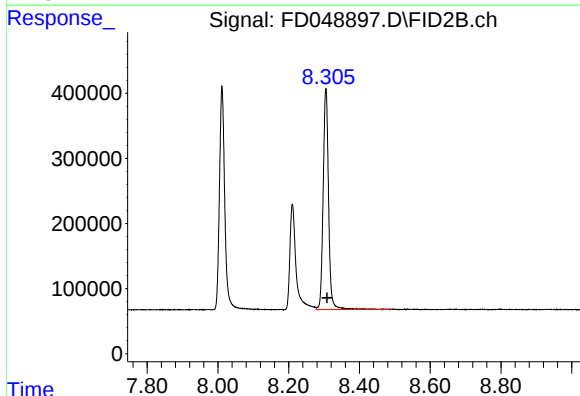
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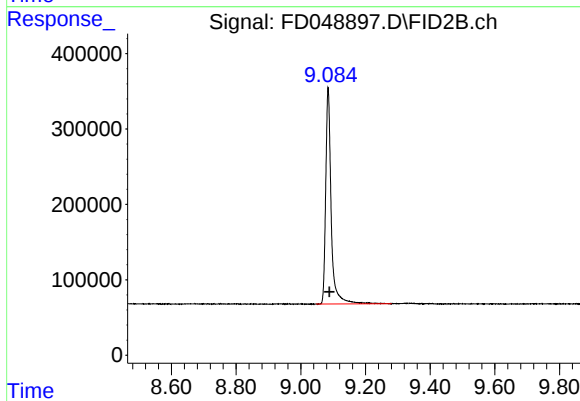
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.211 min
Delta R.T.: -0.002 min
Response: 1950670
Conc: 18.88 ug/ml



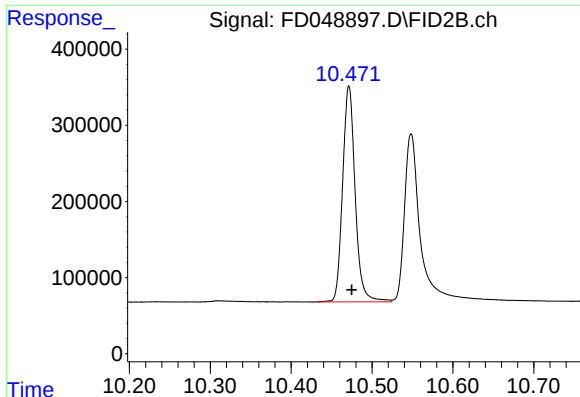
#7 Acenaphthene (C15.5)

R.T.: 8.305 min
Delta R.T.: -0.003 min
Response: 3605067
Conc: 19.36 ug/ml



#8 Fluorene (C16.55)

R.T.: 9.085 min
Delta R.T.: -0.003 min
Response: 3371969
Conc: 18.87 ug/ml



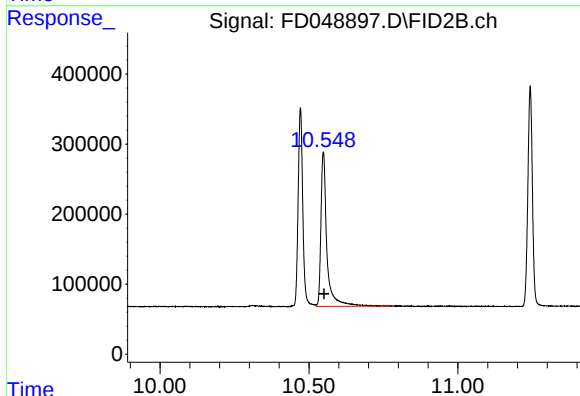
#9 Phenanthrene (C19.36)

R.T.: 10.471 min
Delta R.T.: -0.003 min
Response: 3060913
Conc: 18.33 ug/ml

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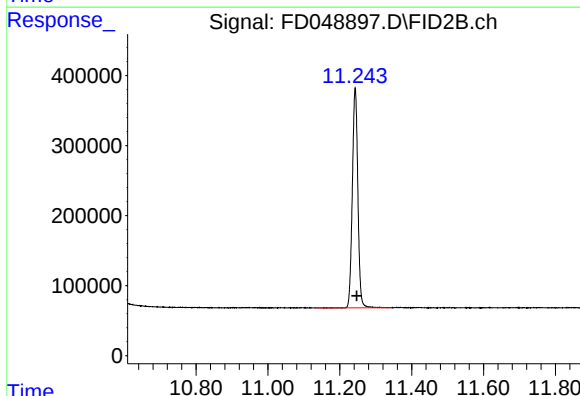
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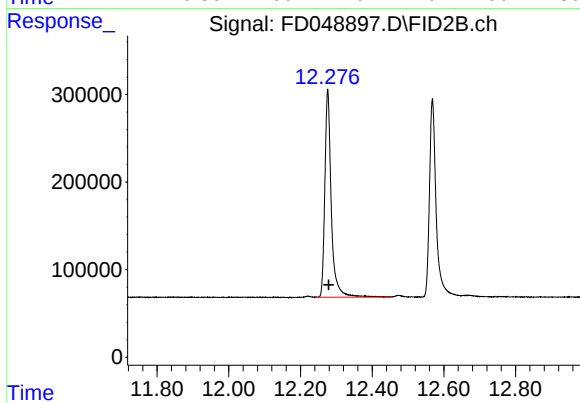
#10 Anthracene (C19.43)

R.T.: 10.548 min
Delta R.T.: -0.003 min
Response: 3092138
Conc: 18.22 ug/ml



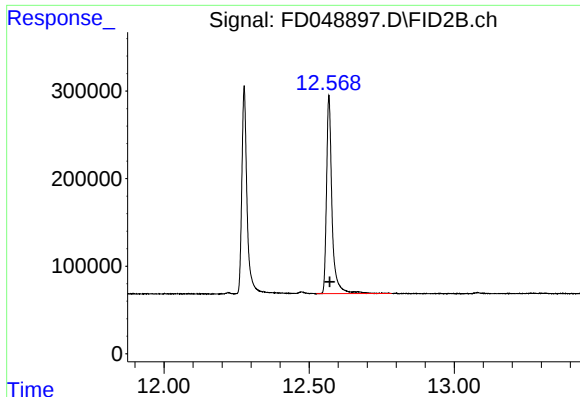
#11 ortho-Terphenyl (SURR)

R.T.: 11.243 min
Delta R.T.: -0.004 min
Response: 3336120
Conc: 18.78 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.276 min
Delta R.T.: -0.002 min
Response: 2963371
Conc: 18.10 ug/ml



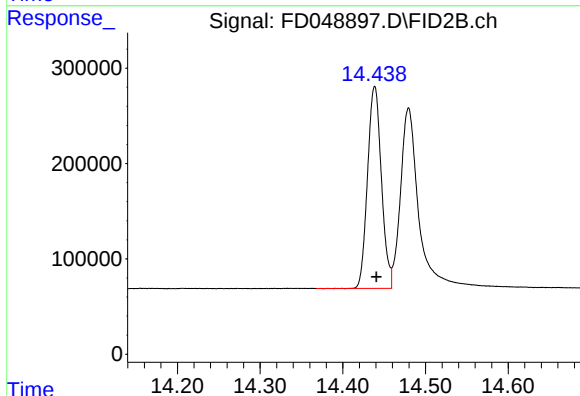
#13 Pyrene (C20.8)

R.T.: 12.569 min
Delta R.T.: -0.003 min
Response: 2983753
Conc: 18.35 ug/ml

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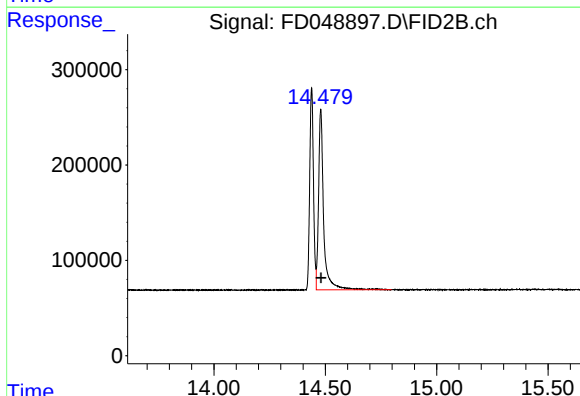
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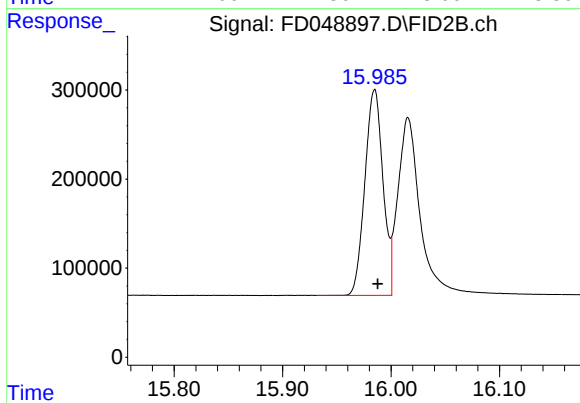
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.439 min
Delta R.T.: -0.002 min
Response: 2466941
Conc: 18.67 ug/ml



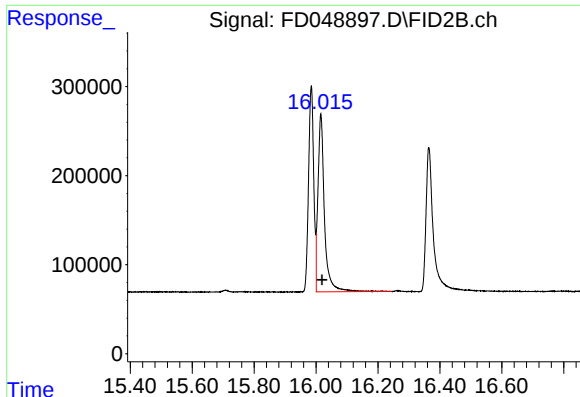
#15 Chrysene (C27.41)

R.T.: 14.480 min
Delta R.T.: -0.002 min
Response: 3029341
Conc: 18.76 ug/ml



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

R.T.: 15.985 min
Delta R.T.: -0.003 min
Response: 2686532
Conc: 19.96 ug/ml



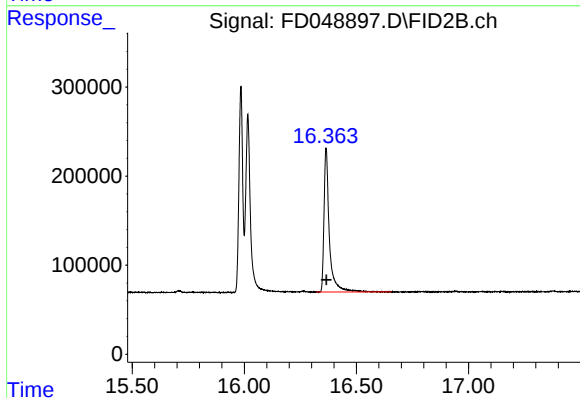
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.016 min
Delta R.T.: -0.004 min
Response: 2909035
Conc: 19.10 ug/ml

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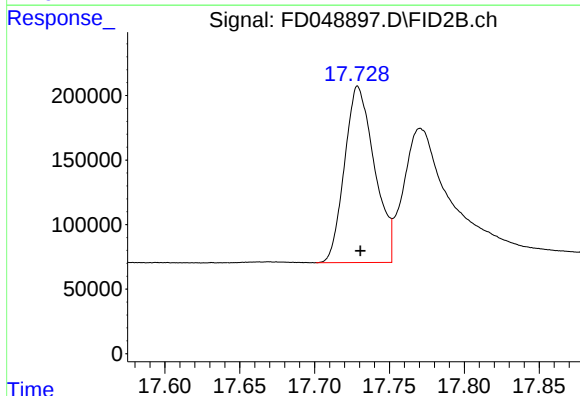
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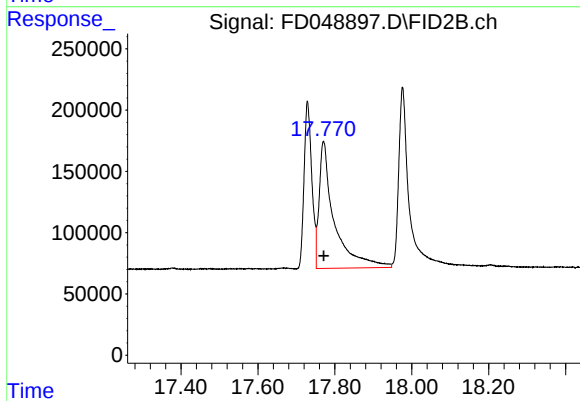
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.363 min
Delta R.T.: -0.003 min
Response: 2693007
Conc: 19.47 ug/ml m



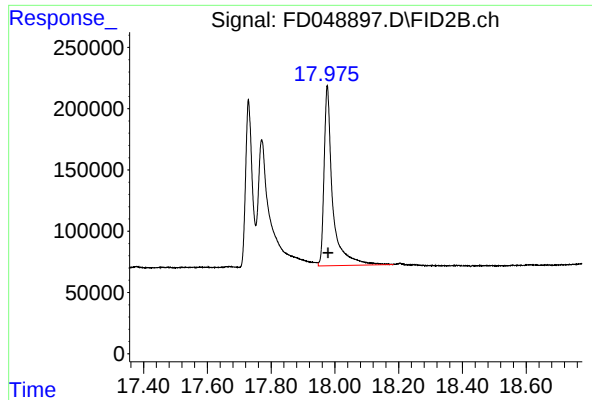
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.730 min
Delta R.T.: 0.000 min
Response: 1893700
Conc: 17.77 ug/ml



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

R.T.: 17.772 min
Delta R.T.: 0.000 min
Response: 2839636
Conc: 19.58 ug/ml



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

R.T.: 17.977 min
Delta R.T.: -0.002 min
Response: 2741184
Conc: 19.55 ug/ml

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