

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD121224AR\
 Data File : FD048885.D
 Signal(s) : FID2B.ch
 Acq On : 12 Dec 2024 14:02
 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 12/13/2024
 Supervised By :Ankita Jodhani 12/13/2024

Integration File: autoint1.e
 Quant Time: Dec 13 01:27:03 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	2948033	17.502 ug/ml
Spiked Amount 50.000		Recovery =	35.00%
6) S 2-Fluorobiphenyl (SURR)	8.211	1841228	17.823 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	35.65%
11) S ortho-Terphenyl (SURR)	11.245	3150333	17.732 ug/ml
Spiked Amount 50.000		Recovery =	35.46%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.184	3344217	17.663 ug/ml
2) T Naphthalene (C11.7)	5.701	3404581	17.817 ug/ml
3) T 2-Methylnaphthalene (...)	6.748	3411523	18.463 ug/ml
5) T Acenaphthylene (C15.06)	8.013	3269180	17.517 ug/ml
7) T Acenaphthene (C15.5)	8.307	3378201	18.139 ug/ml
8) T Flouorene (C16.55)	9.086	3185694	17.828 ug/ml
9) T Phenanthrene (C19.36)	10.473	2999814	17.960 ug/ml
10) T Anthracene (C19.43)	10.548	2919123	17.199 ug/ml
12) T Fluoranthene (C21.85)	12.277	2865349	17.505 ug/ml
13) T Pyrene (C20.8)	12.570	2823535	17.360 ug/ml
14) T Benzo[a]anthracene (C...	14.440	2452616	18.565 ug/ml
15) T Chrysene (C27.41)	14.481	2737973	16.960 ug/ml
16) T benzo[b]fluoranthene ...	15.987	2636210	19.581 ug/mlm
17) T Bnezo[k]fluoranthene ...	16.017	2434327	15.982 ug/mlm
18) T Benzo[a]pyrene (C31.34)	16.364	2554527	18.470 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.728	2144347	20.122 ug/ml
20) T Dibenz[a,h]anthracene...	17.768	2772943	19.120 ug/ml
21) T Benzo[g,h,i]perylene ...	17.979	2626656	18.734 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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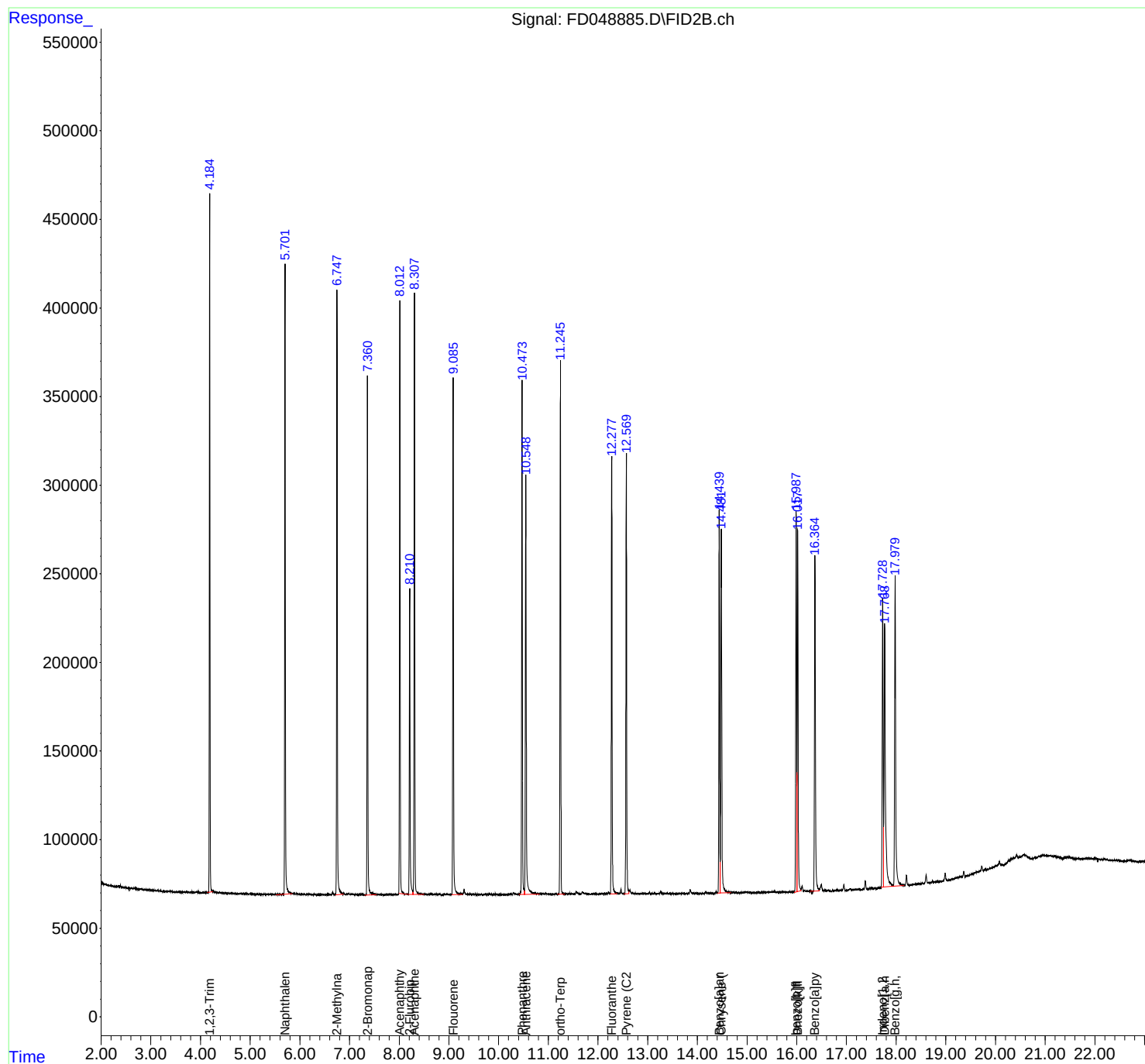
Instrument :
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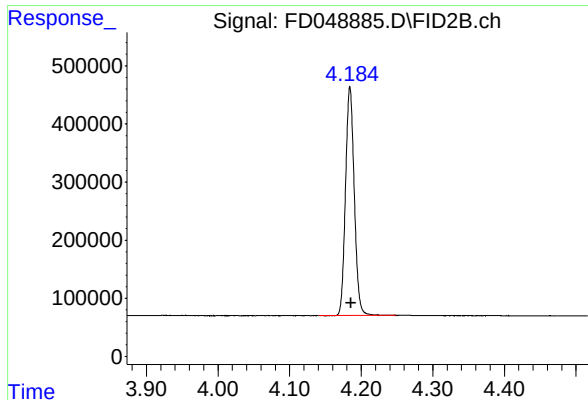
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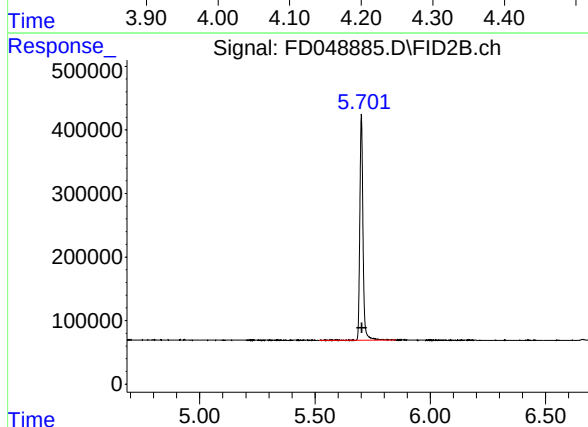
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.184 min
Delta R.T.: -0.002 min
Response: 3344217
Conc: 17.66 ug/ml

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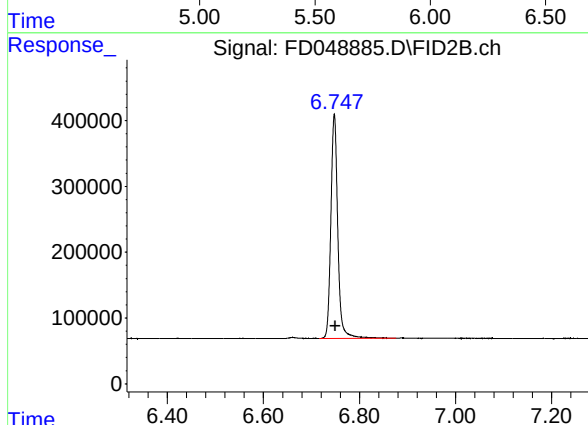
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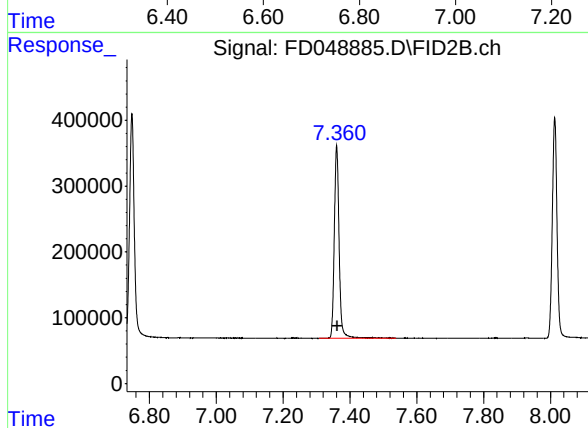
#2 Naphthalene (C11.7)

R.T.: 5.701 min
Delta R.T.: -0.002 min
Response: 3404581
Conc: 17.82 ug/ml



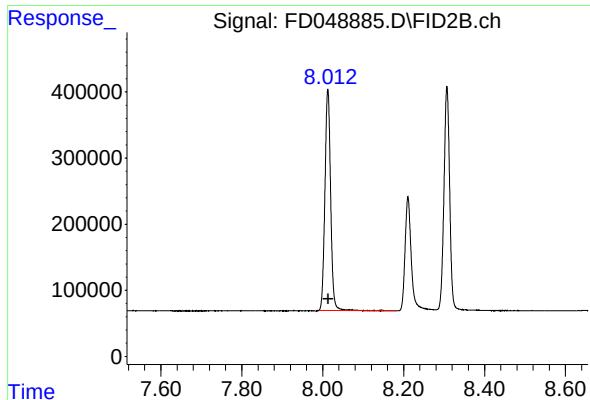
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.748 min
Delta R.T.: -0.002 min
Response: 3411523
Conc: 18.46 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.360 min
Delta R.T.: -0.002 min
Response: 2948033
Conc: 17.50 ug/ml



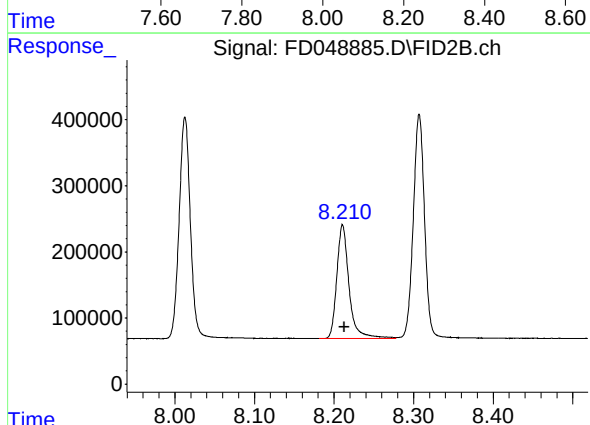
#5 Acenaphthylene (C15.06)

R.T.: 8.013 min
Delta R.T.: -0.002 min
Response: 3269180
Conc: 17.52 ug/ml

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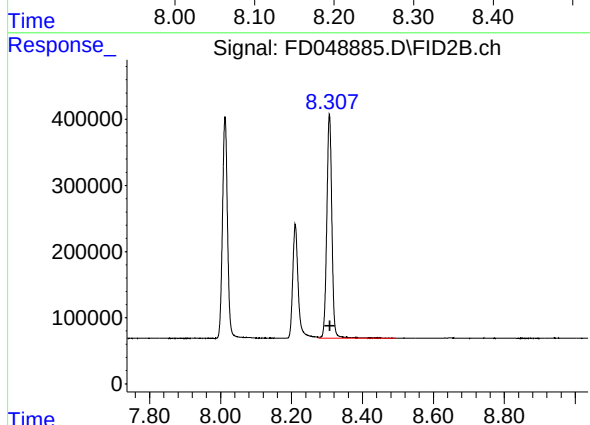
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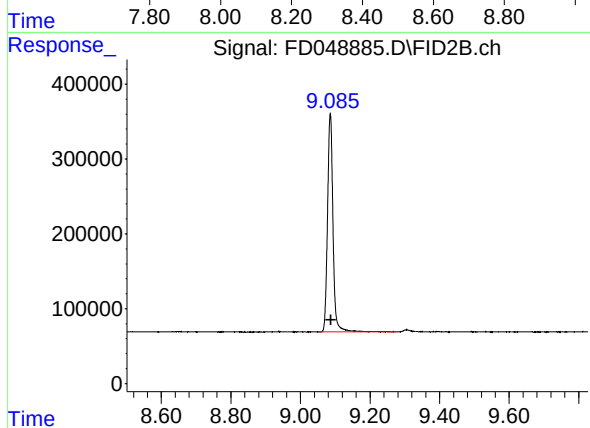
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.211 min
Delta R.T.: -0.002 min
Response: 1841228
Conc: 17.82 ug/ml



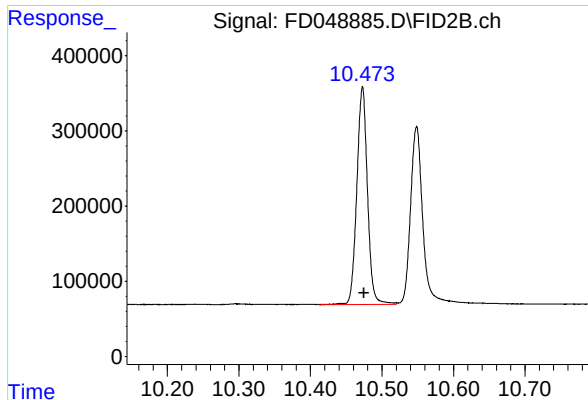
#7 Acenaphthene (C15.5)

R.T.: 8.307 min
Delta R.T.: -0.001 min
Response: 3378201
Conc: 18.14 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.086 min
Delta R.T.: -0.002 min
Response: 3185694
Conc: 17.83 ug/ml



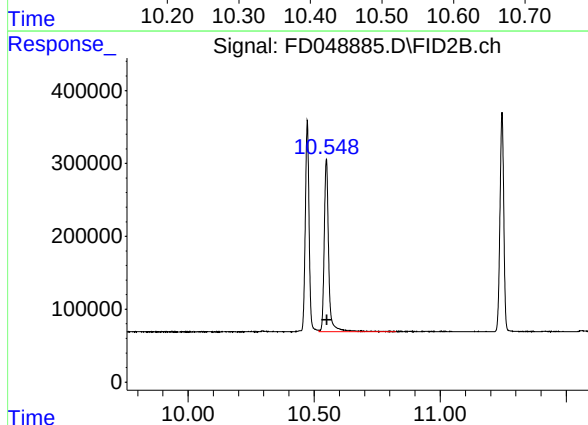
#9 Phenanthrene (C19.36)

R.T.: 10.473 min
Delta R.T.: -0.002 min
Response: 2999814
Conc: 17.96 ug/ml

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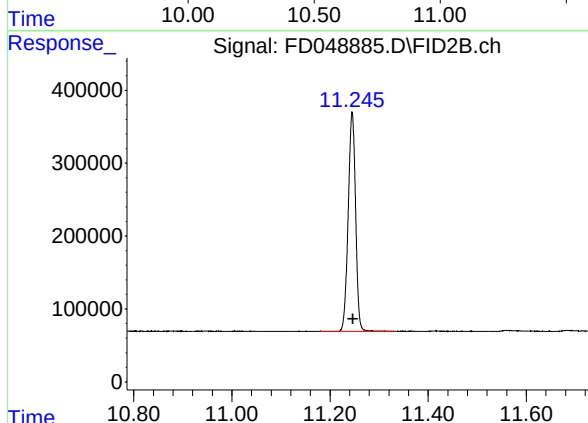
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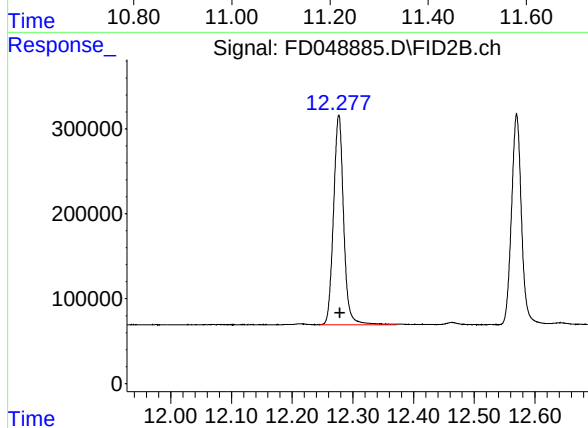
#10 Anthracene (C19.43)

R.T.: 10.548 min
Delta R.T.: -0.003 min
Response: 2919123
Conc: 17.20 ug/ml



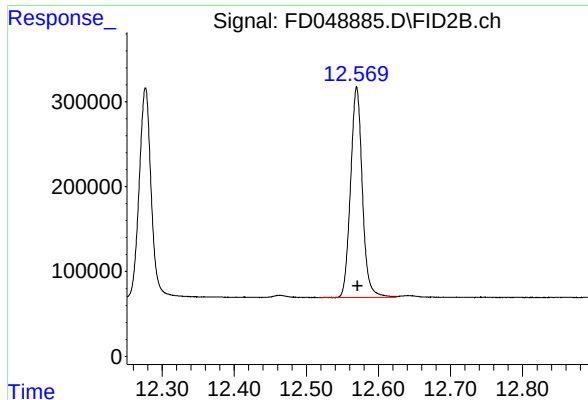
#11 ortho-Terphenyl (SURR)

R.T.: 11.245 min
Delta R.T.: -0.002 min
Response: 3150333
Conc: 17.73 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.277 min
Delta R.T.: -0.002 min
Response: 2865349
Conc: 17.51 ug/ml



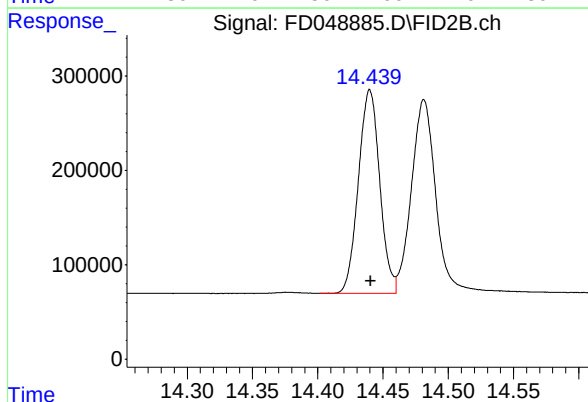
#13 Pyrene (C20.8)

R.T.: 12.570 min
Delta R.T.: -0.002 min
Response: 2823535
Conc: 17.36 ug/ml

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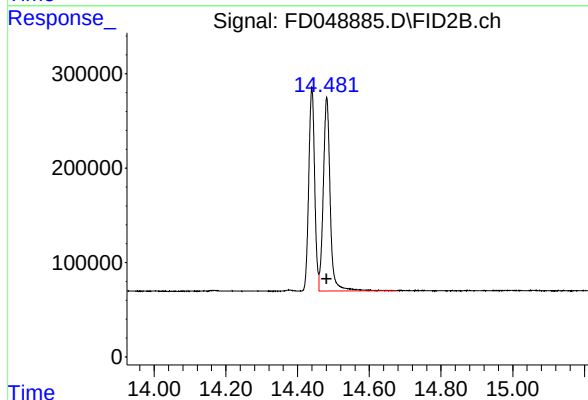
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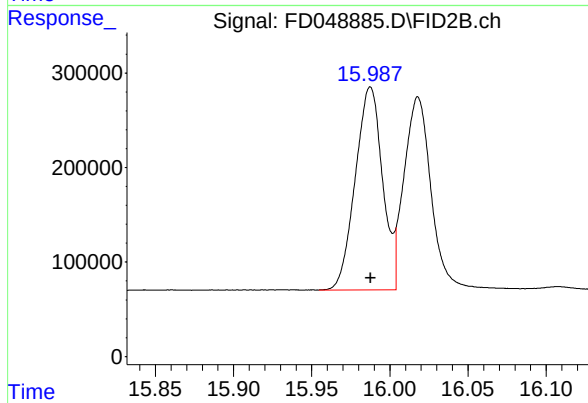
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.440 min
Delta R.T.: 0.000 min
Response: 2452616
Conc: 18.57 ug/ml



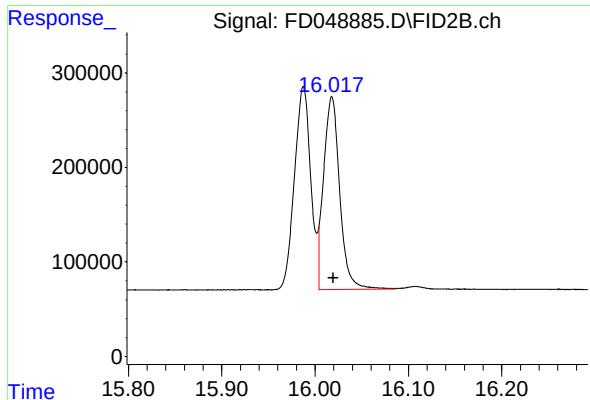
#15 Chrysene (C27.41)

R.T.: 14.481 min
Delta R.T.: 0.000 min
Response: 2737973
Conc: 16.96 ug/ml



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

R.T.: 15.987 min
Delta R.T.: 0.000 min
Response: 2636210
Conc: 19.58 ug/ml m



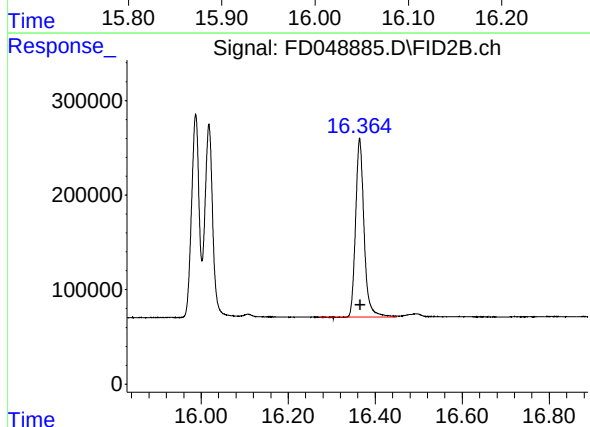
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.017 min
Delta R.T.: -0.002 min
Response: 2434327
Conc: 15.98 ug/ml

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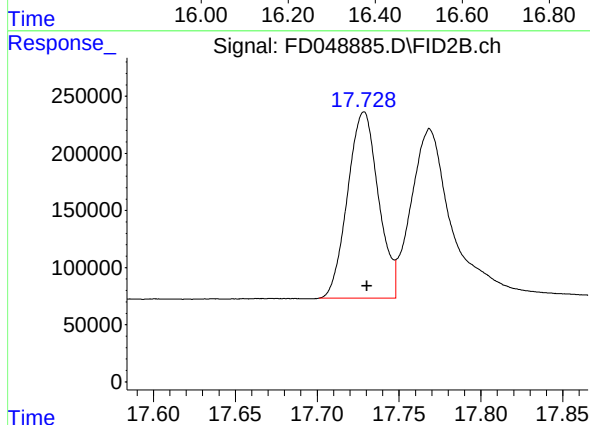
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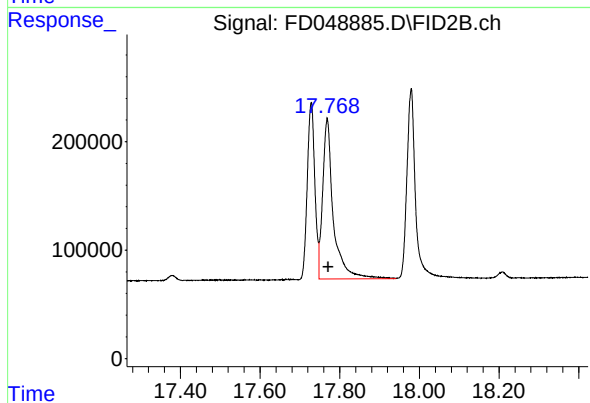
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.364 min
Delta R.T.: -0.002 min
Response: 2554527
Conc: 18.47 ug/ml



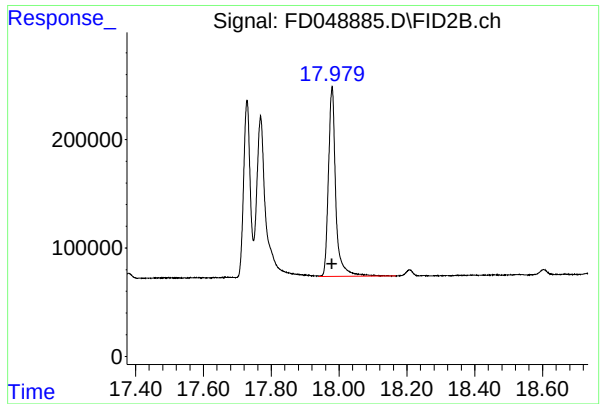
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.728 min
Delta R.T.: -0.002 min
Response: 2144347
Conc: 20.12 ug/ml



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

R.T.: 17.768 min
Delta R.T.: -0.003 min
Response: 2772943
Conc: 19.12 ug/ml



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

R.T.: 17.979 min
Delta R.T.: 0.000 min
Response: 2626656
Conc: 18.73 ug/ml

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