

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD060724AR\
 Data File : FD047881.D
 Signal(s) : FID2B.ch
 Acq On : 07 Jun 2024 13:44
 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 06/10/2024
 Supervised By :Ankita Jodhani 06/10/2024

Integration File: autoint1.e
 Quant Time: Jun 08 04:01:22 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 052124.M
 Quant Title : GC Extractables
 QLast Update : Tue May 21 19:00:48 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...	7.430	3243985	23.107 ug/ml
Spiked Amount 50.000		Recovery =	46.21%
6) S 2-Fluorobiphenyl (SURR)	8.283	2121330	22.906 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	45.81%
11) S ortho-Terphenyl (SURR)	11.322	3681571	23.026 ug/ml
Spiked Amount 50.000		Recovery =	46.05%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.246	3652495	23.126 ug/ml
2) T Naphthalene (C11.7)	5.770	3782601	23.174 ug/ml
3) T 2-Methylnaphthalene (...)	6.818	3794199	23.026 ug/ml
5) T Acenaphthylene (C15.06)	8.086	3717490	22.745 ug/ml
7) T Acenaphthene (C15.5)	8.380	3767828	23.076 ug/ml
8) T Fluorene (C16.55)	9.159	3563845	22.654 ug/ml
9) T Phenanthrene (C19.36)	10.549	3464435	22.466 ug/ml
10) T Anthracene (C19.43)	10.623	2888753	19.216 ug/ml
12) T Fluoranthene (C21.85)	12.354	3408081	22.458 ug/ml
13) T Pyrene (C20.8)	12.647	3361139	22.295 ug/ml
14) T Benzo[a]anthracene (C...	14.516	2939357	21.442 ug/mlm
15) T Chrysene (C27.41)	14.559	3236530	21.970 ug/ml
16) T benzo[b]fluoranthene ...	16.064	3025192	21.495 ug/mlm
17) T Bnezo[k]fluoranthene ...	16.096	2986026	21.927 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.440	2912084	21.039 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.802	2289679	19.862 ug/mlm
20) T Dibenz[a,h]anthracene...	17.844	2910086	21.824 ug/ml
21) T Benzo[g,h,i]perylene ...	18.054	2772040	20.844 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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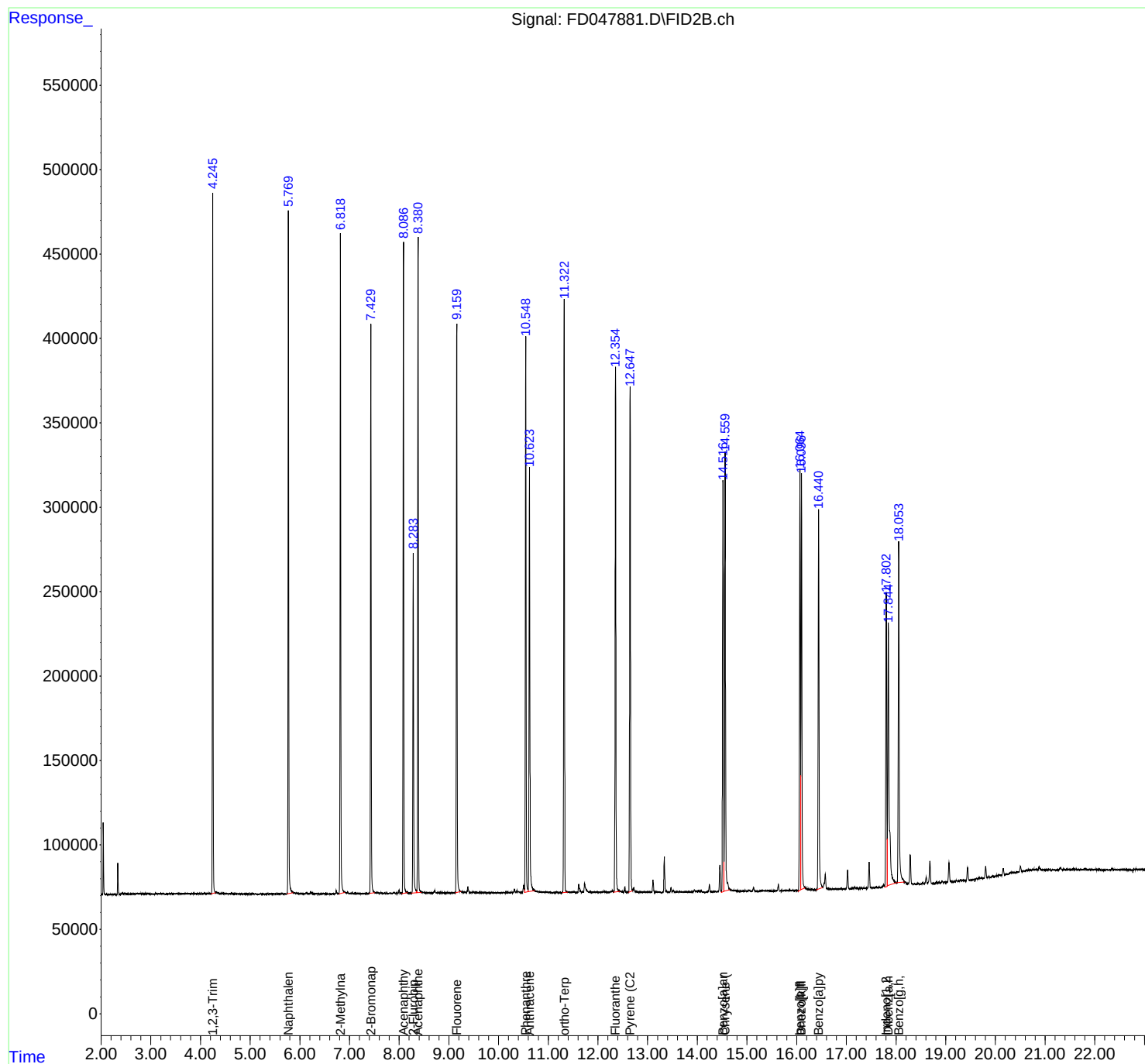
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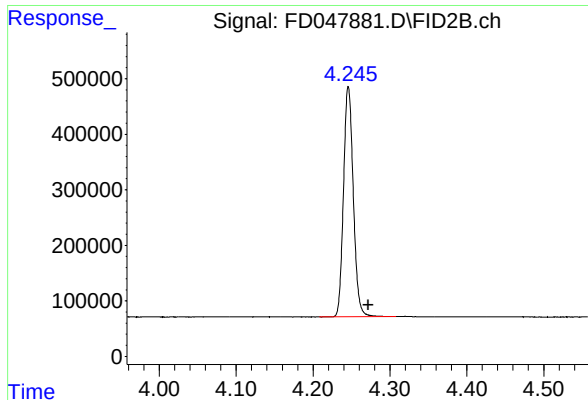
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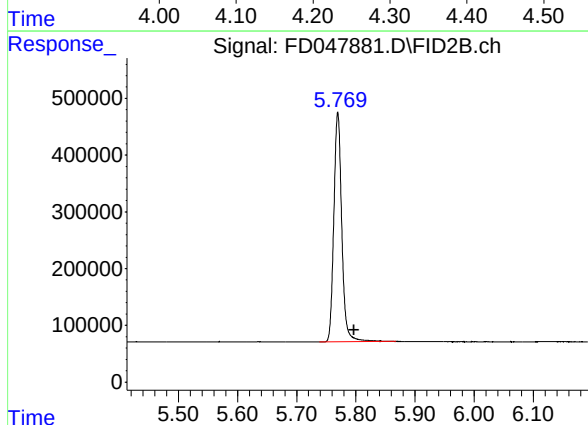
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.246 min
Delta R.T.: -0.026 min
Response: 3652495
Conc: 23.13 ug/ml

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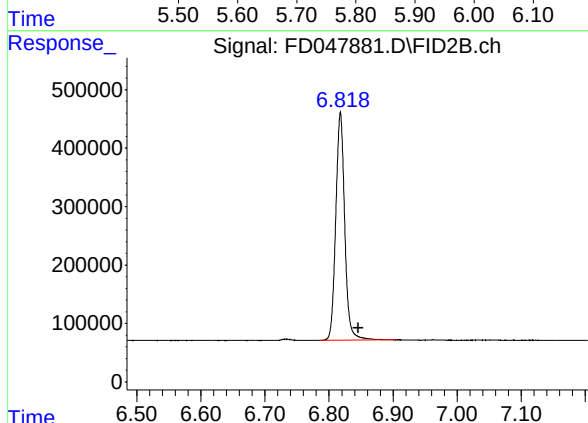
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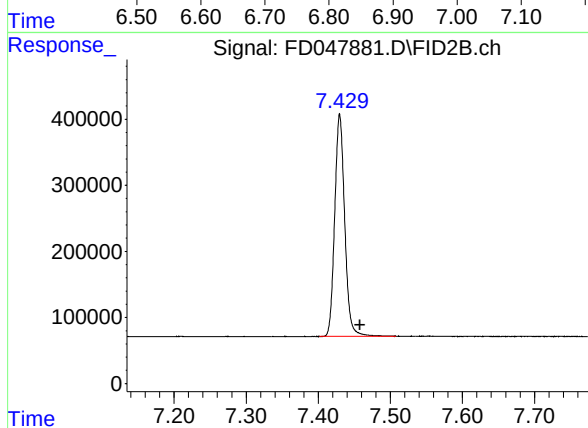
#2 Naphthalene (C11.7)

R.T.: 5.770 min
Delta R.T.: -0.028 min
Response: 3782601
Conc: 23.17 ug/ml



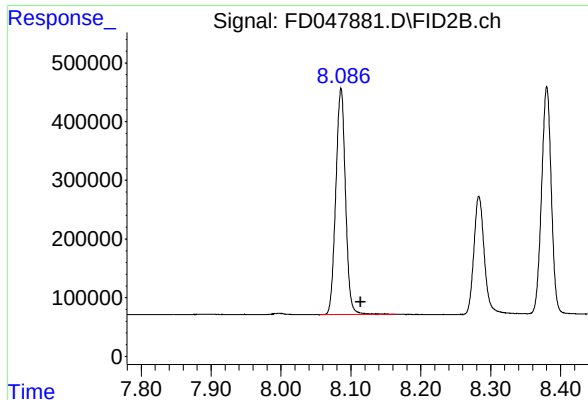
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.818 min
Delta R.T.: -0.028 min
Response: 3794199
Conc: 23.03 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.430 min
Delta R.T.: -0.028 min
Response: 3243985
Conc: 23.11 ug/ml



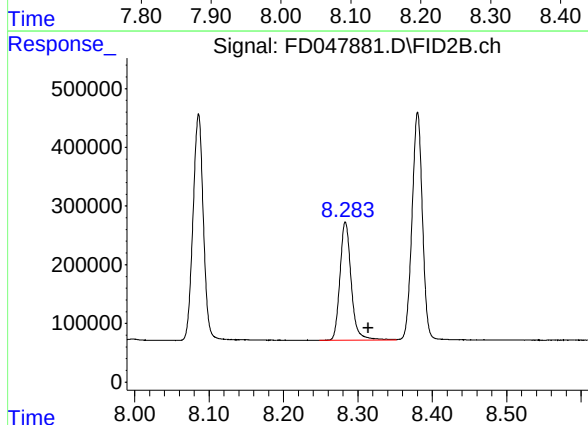
#5 Acenaphthylene (C15.06)

R.T.: 8.086 min
Delta R.T.: -0.028 min
Response: 3717490
Conc: 22.74 ug/ml

Instrument :
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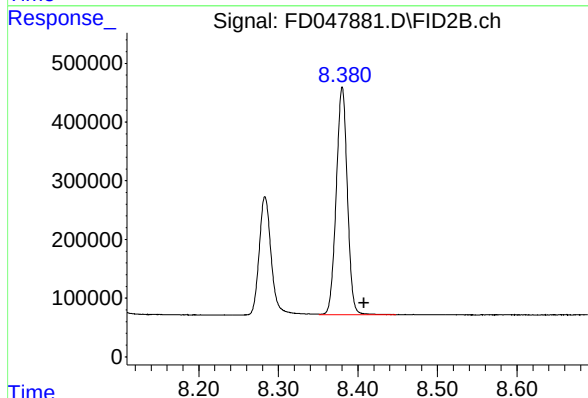
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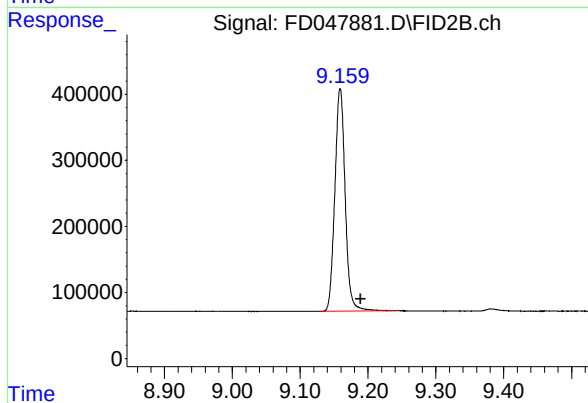
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.283 min
Delta R.T.: -0.031 min
Response: 2121330
Conc: 22.91 ug/ml



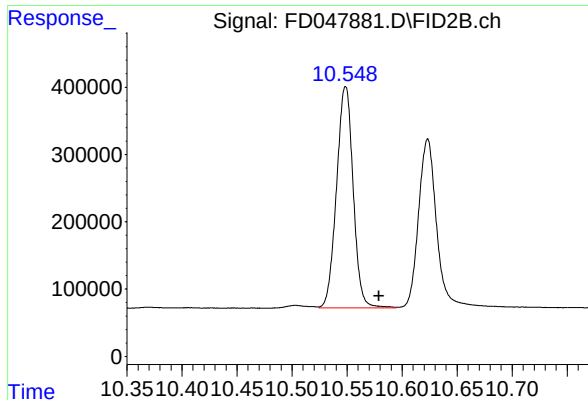
#7 Acenaphthene (C15.5)

R.T.: 8.380 min
Delta R.T.: -0.027 min
Response: 3767828
Conc: 23.08 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.159 min
Delta R.T.: -0.030 min
Response: 3563845
Conc: 22.65 ug/ml



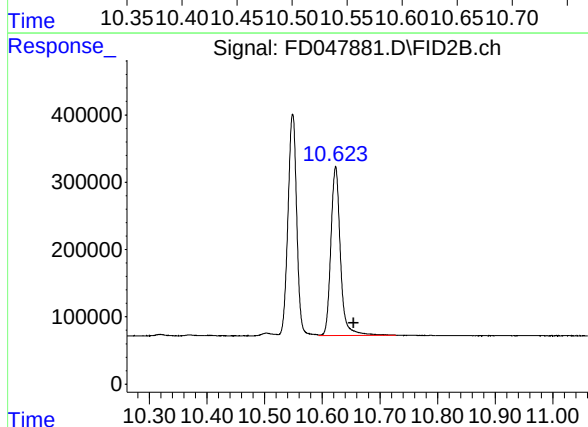
#9 Phenanthrene (C19.36)

R.T.: 10.549 min
Delta R.T.: -0.031 min
Response: 3464435
Conc: 22.47 ug/ml

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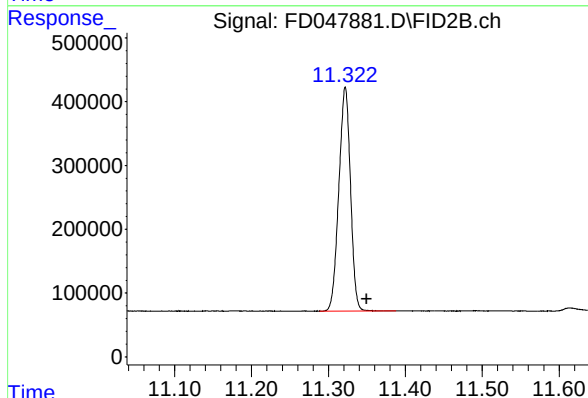
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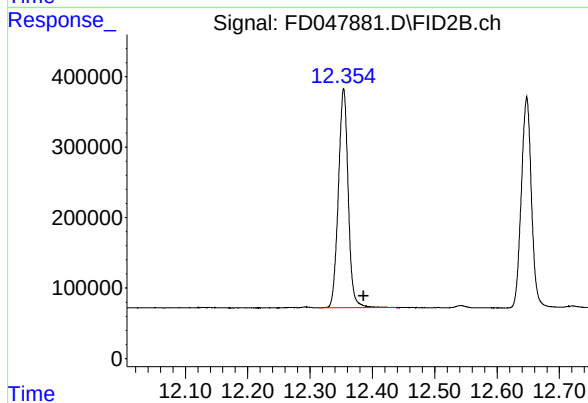
#10 Anthracene (C19.43)

R.T.: 10.623 min
Delta R.T.: -0.032 min
Response: 2888753
Conc: 19.22 ug/ml



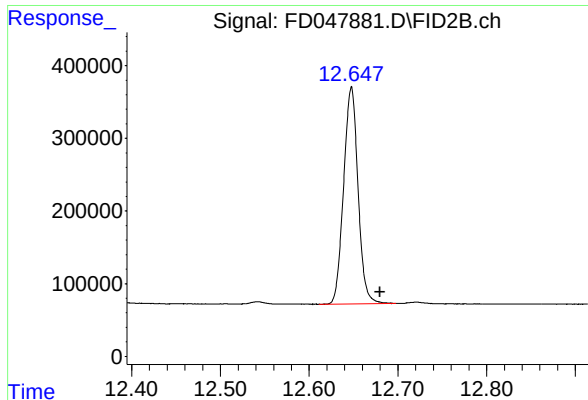
#11 ortho-Terphenyl (SURR)

R.T.: 11.322 min
Delta R.T.: -0.028 min
Response: 3681571
Conc: 23.03 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.354 min
Delta R.T.: -0.032 min
Response: 3408081
Conc: 22.46 ug/ml



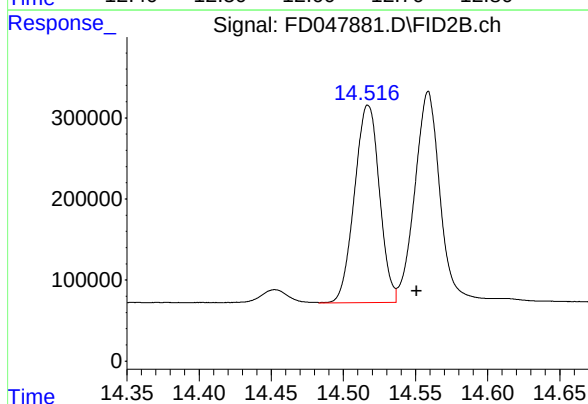
#13 Pyrene (C20.8)

R.T.: 12.647 min
Delta R.T.: -0.032 min
Response: 3361139
Conc: 22.30 ug/ml

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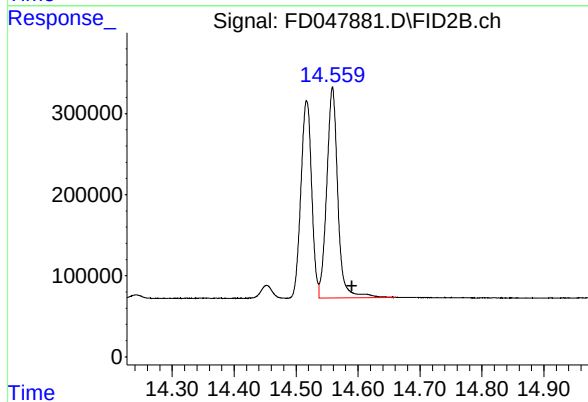
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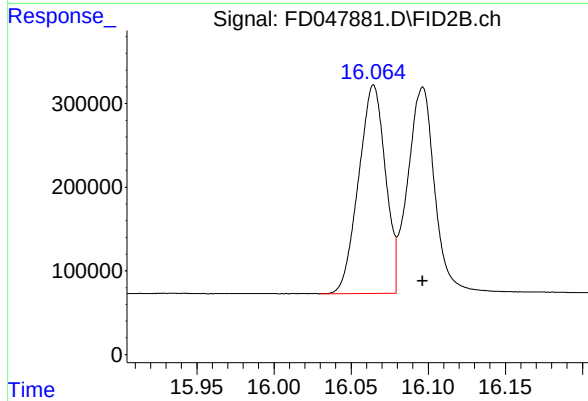
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.516 min
Delta R.T.: -0.035 min
Response: 2939357
Conc: 21.44 ug/ml m



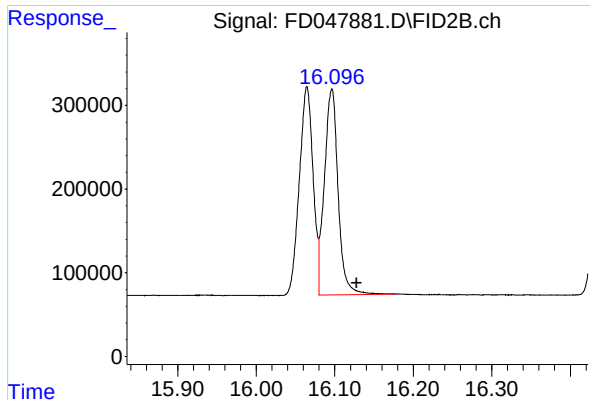
#15 Chrysene (C27.41)

R.T.: 14.559 min
Delta R.T.: -0.032 min
Response: 3236530
Conc: 21.97 ug/ml



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

R.T.: 16.064 min
Delta R.T.: -0.032 min
Response: 3025192
Conc: 21.49 ug/ml m



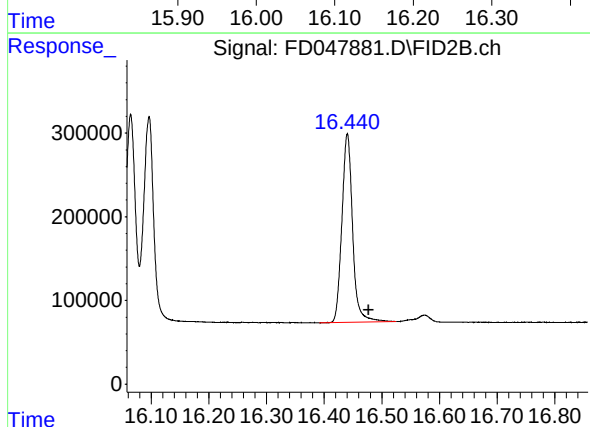
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.096 min
Delta R.T.: -0.032 min
Response: 2986026
Conc: 21.93 ug/ml

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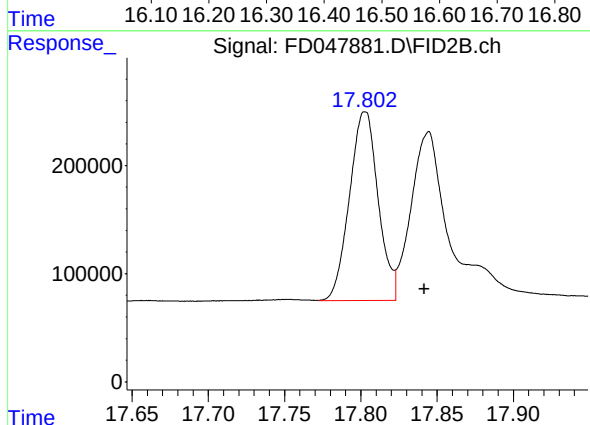
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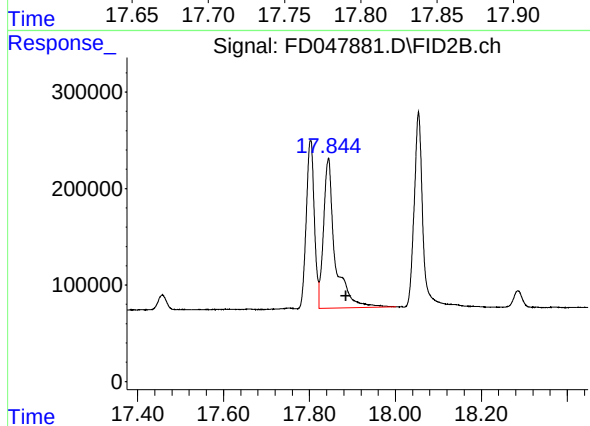
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.440 min
Delta R.T.: -0.037 min
Response: 2912084
Conc: 21.04 ug/ml



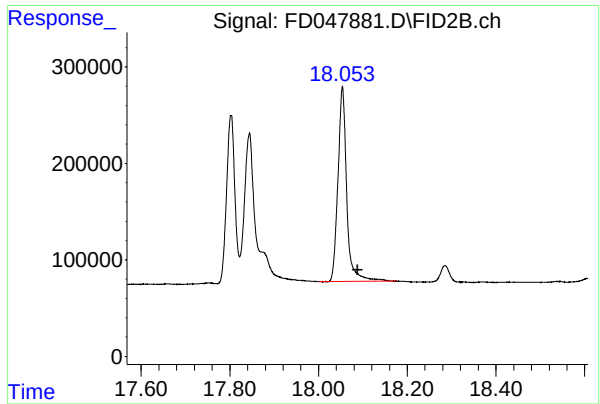
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.802 min
Delta R.T.: -0.039 min
Response: 2289679
Conc: 19.86 ug/ml m



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

R.T.: 17.844 min
Delta R.T.: -0.041 min
Response: 2910086
Conc: 21.82 ug/ml



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

R.T.: 18.054 min
Delta R.T.: -0.034 min
Response: 2772040
Conc: 20.84 ug/ml

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