

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD061024AR\
 Data File : FD047895.D
 Signal(s) : FID2B.ch
 Acq On : 10 Jun 2024 09:03
 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 06/11/2024
 Supervised By :Ankita Jodhani 06/11/2024

Integration File: sample.E
 Quant Time: Jun 10 23:26:02 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...	7.431	3115731	22.193 ug/ml
Spiked Amount 50.000		Recovery =	44.39%
6) S 2-Fluorobiphenyl (SURR)	8.283	2018469	21.795 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	43.59%
11) S ortho-Terphenyl (SURR)	11.322	3585527	22.425 ug/ml
Spiked Amount 50.000		Recovery =	44.85%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.246	3445045	21.813 ug/ml
2) T Naphthalene (C11.7)	5.770	3599015	22.049 ug/ml
3) T 2-Methylnaphthalene (...)	6.818	3625417	22.001 ug/ml
5) T Acenaphthylene (C15.06)	8.086	3564264	21.807 ug/ml
7) T Acenaphthene (C15.5)	8.381	3566275	21.841 ug/ml
8) T Flouorene (C16.55)	9.160	3347993	21.282 ug/ml
9) T Phenanthrene (C19.36)	10.549	3357225	21.771 ug/ml
10) T Anthracene (C19.43)	10.624	2705673	17.998 ug/ml
12) T Fluoranthene (C21.85)	12.354	3318745	21.869 ug/ml
13) T Pyrene (C20.8)	12.648	3270305	21.693 ug/ml
14) T Benzo[a]anthracene (C...	14.517	2709950	19.769 ug/mlm
15) T Chrysene (C27.41)	14.558	3130994	21.253 ug/ml
16) T benzo[b]fluoranthene ...	16.064	2851596	20.261 ug/mlm
17) T Bnezo[k]fluoranthene ...	16.094	2804358	20.593 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.439	2494773	18.024 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.802	1748244	15.165 ug/mlm
20) T Dibenz[a,h]anthracene...	17.843	2187589	16.405 ug/mlm
21) T Benzo[g,h,i]perylene ...	18.052	2292156	17.236 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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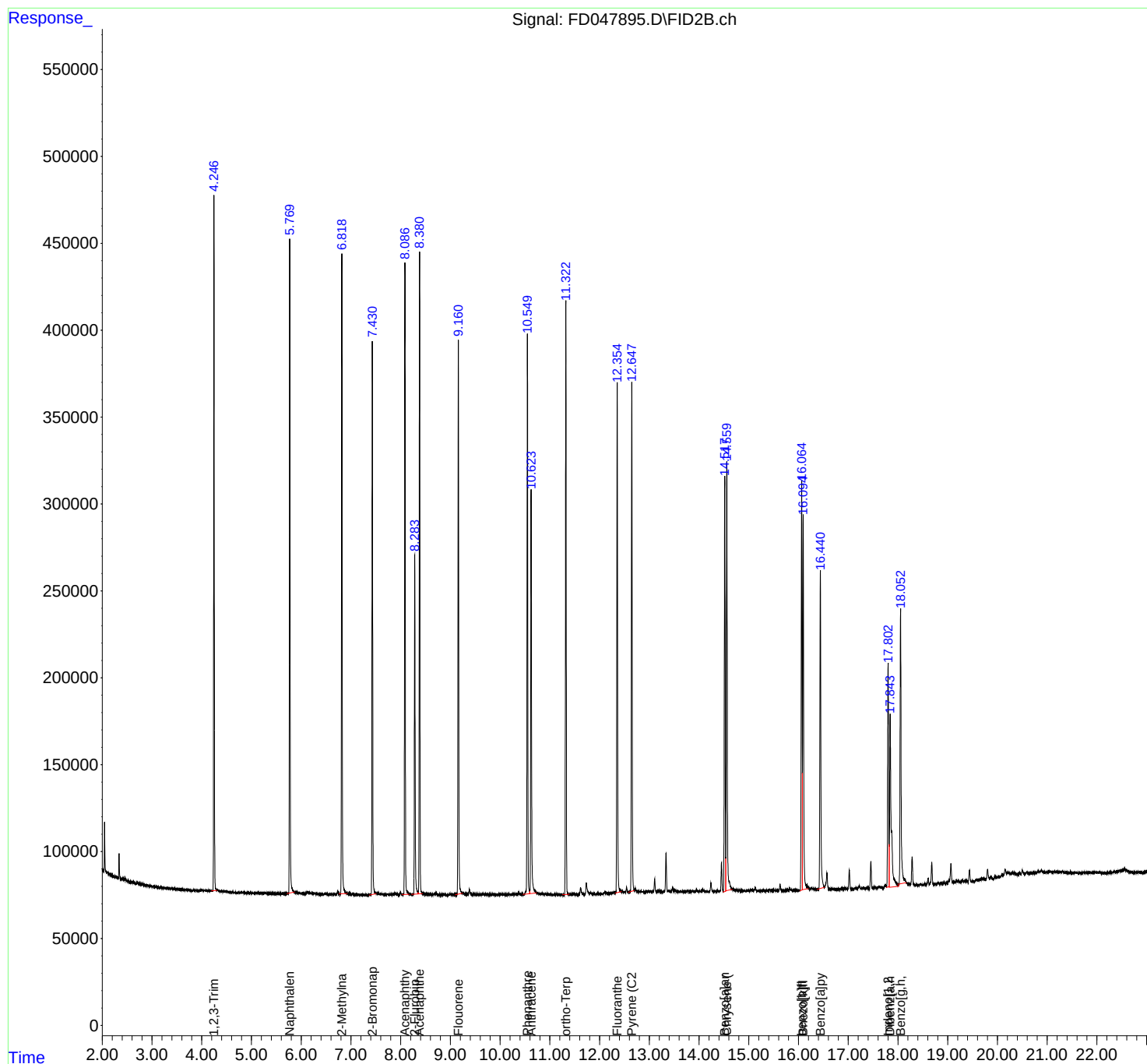
Instrument :
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20 PPM AROMATIC HC STD

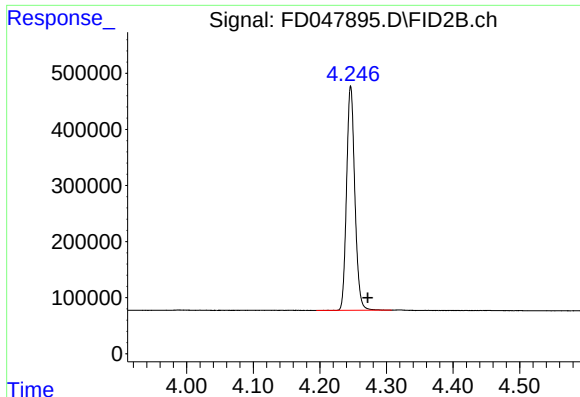
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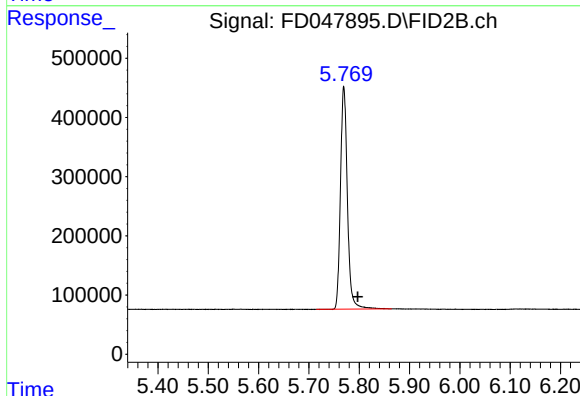
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.246 min
Delta R.T.: -0.026 min
Response: 3445045
Conc: 21.81 ug/ml

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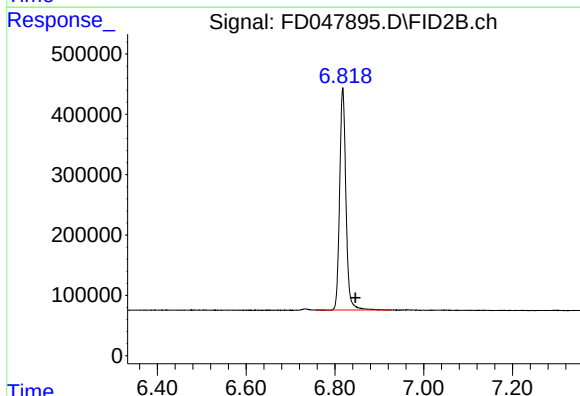
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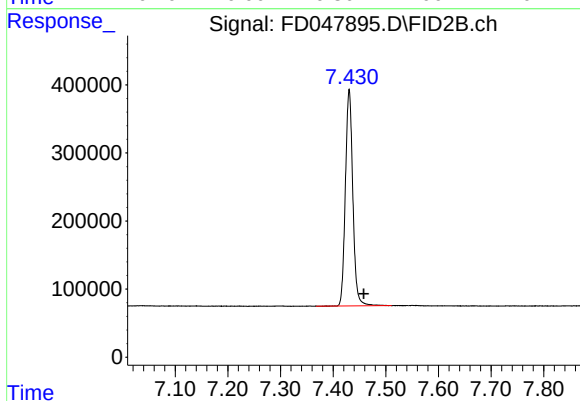
#2 Naphthalene (C11.7)

R.T.: 5.770 min
Delta R.T.: -0.028 min
Response: 3599015
Conc: 22.05 ug/ml



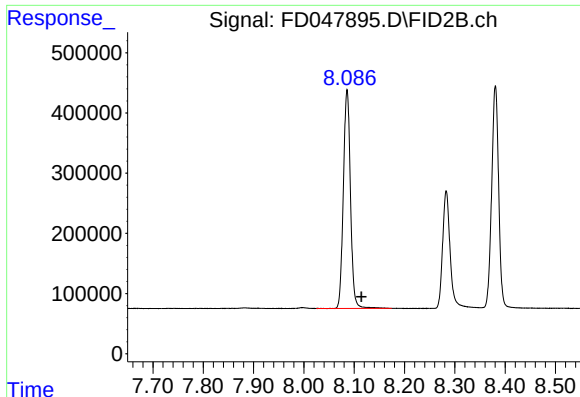
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.818 min
Delta R.T.: -0.028 min
Response: 3625417
Conc: 22.00 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.431 min
Delta R.T.: -0.028 min
Response: 3115731
Conc: 22.19 ug/ml



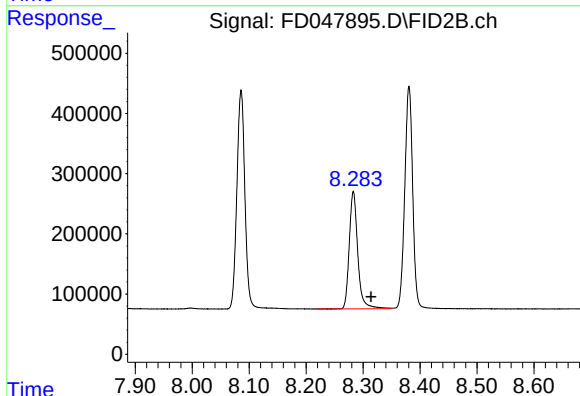
#5 Acenaphthylene (C15.06)

R.T.: 8.086 min
Delta R.T.: -0.028 min
Response: 3564264
Conc: 21.81 ug/ml

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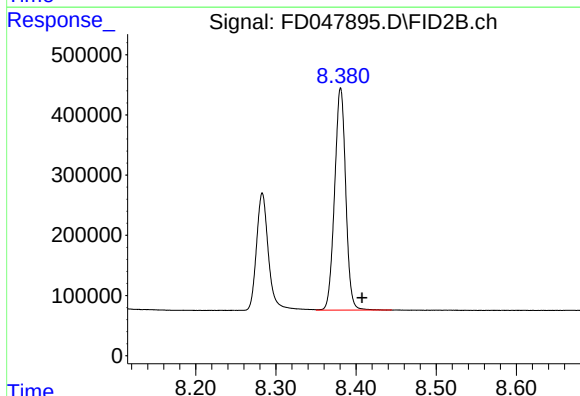
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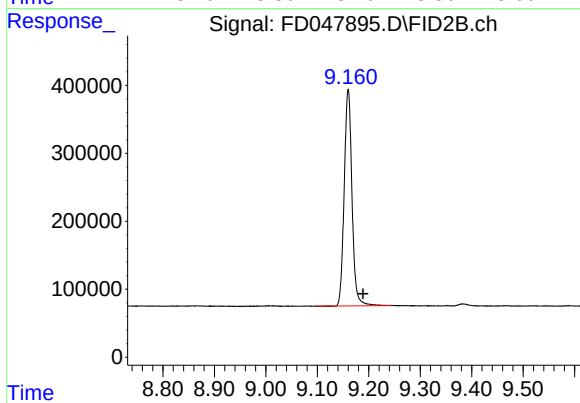
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.283 min
Delta R.T.: -0.031 min
Response: 2018469
Conc: 21.79 ug/ml



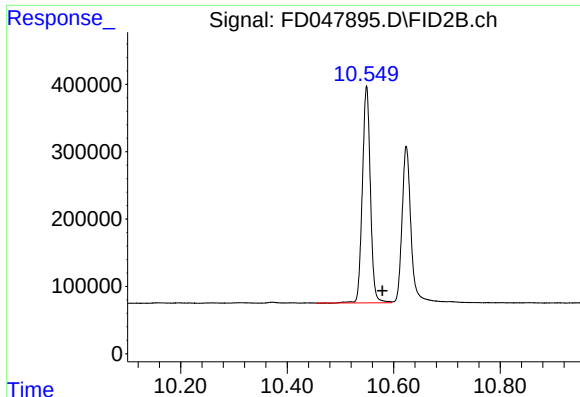
#7 Acenaphthene (C15.5)

R.T.: 8.381 min
Delta R.T.: -0.027 min
Response: 3566275
Conc: 21.84 ug/ml



#8 Fluorene (C16.55)

R.T.: 9.160 min
Delta R.T.: -0.029 min
Response: 3347993
Conc: 21.28 ug/ml



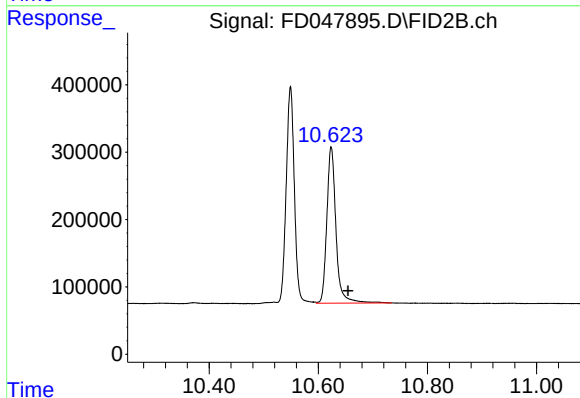
#9 Phenanthrene (C19.36)

R.T.: 10.549 min
Delta R.T.: -0.030 min
Response: 3357225
Conc: 21.77 ug/ml

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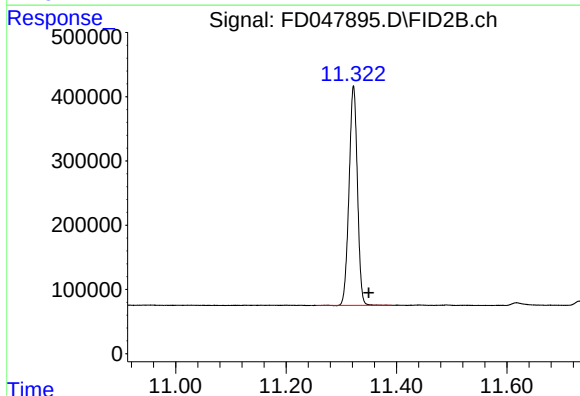
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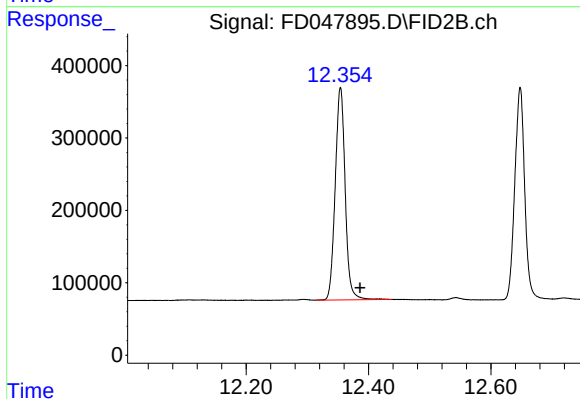
#10 Anthracene (C19.43)

R.T.: 10.624 min
Delta R.T.: -0.031 min
Response: 2705673
Conc: 18.00 ug/ml



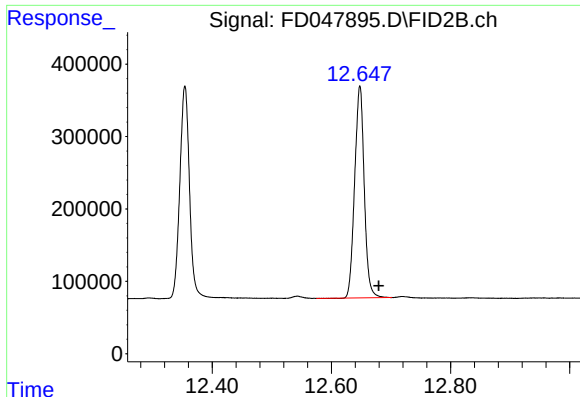
#11 ortho-Terphenyl (SURR)

R.T.: 11.322 min
Delta R.T.: -0.028 min
Response: 3585527
Conc: 22.43 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.354 min
Delta R.T.: -0.032 min
Response: 3318745
Conc: 21.87 ug/ml



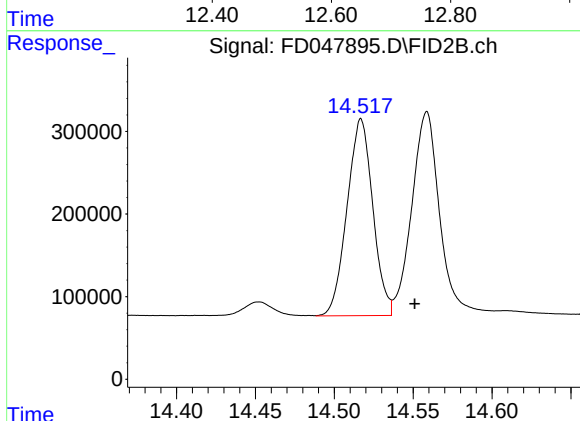
#13 Pyrene (C20.8)

R.T.: 12.648 min
Delta R.T.: -0.032 min
Response: 3270305
Conc: 21.69 ug/ml

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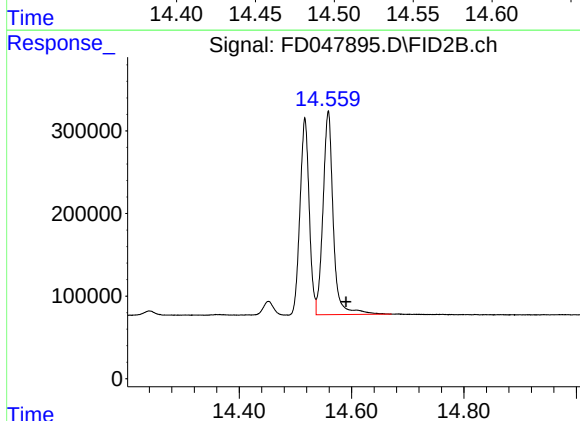
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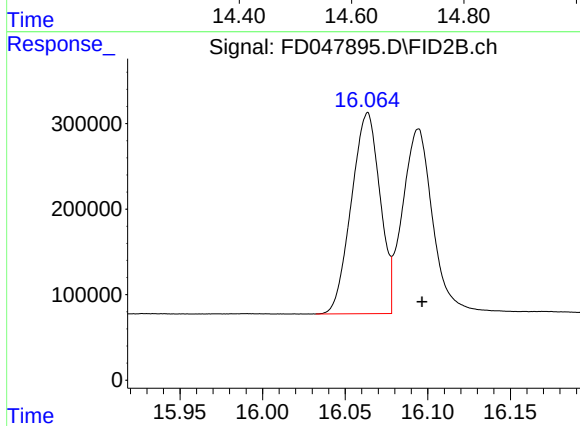
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.517 min
Delta R.T.: -0.034 min
Response: 2709950
Conc: 19.77 ug/ml m



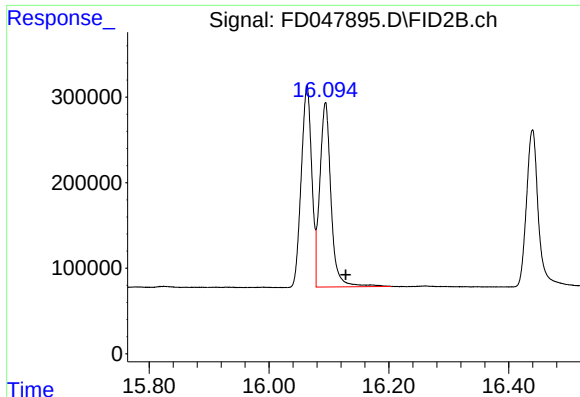
#15 Chrysene (C27.41)

R.T.: 14.558 min
Delta R.T.: -0.032 min
Response: 3130994
Conc: 21.25 ug/ml



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

R.T.: 16.064 min
Delta R.T.: -0.033 min
Response: 2851596
Conc: 20.26 ug/ml m



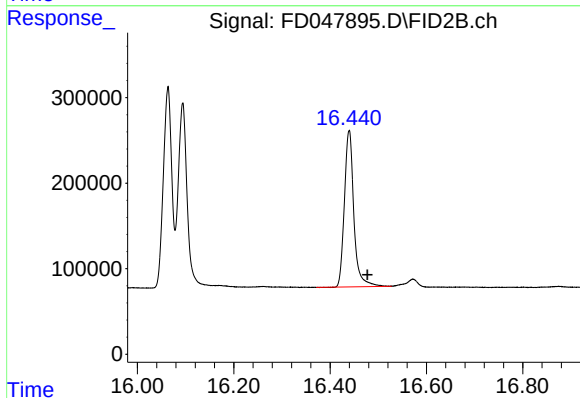
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.094 min
Delta R.T.: -0.034 min
Response: 2804358
Conc: 20.59 ug/ml

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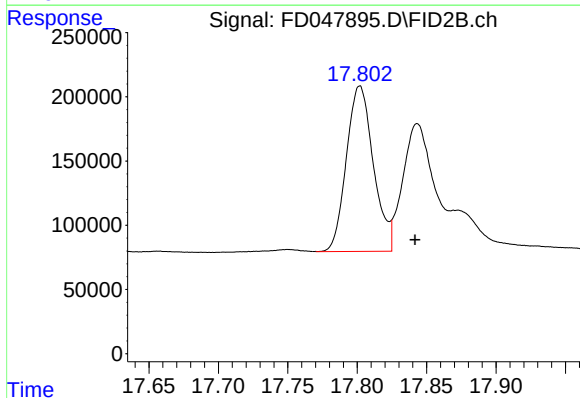
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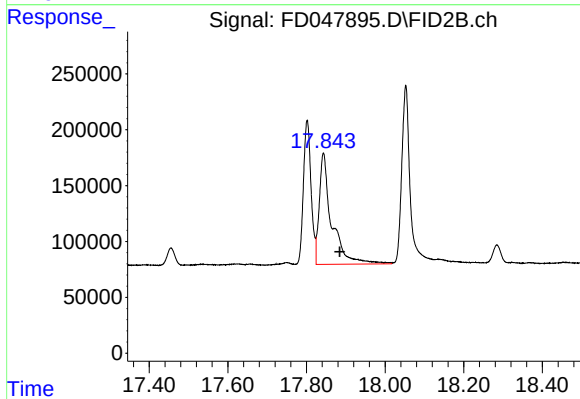
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.439 min
Delta R.T.: -0.038 min
Response: 2494773
Conc: 18.02 ug/ml



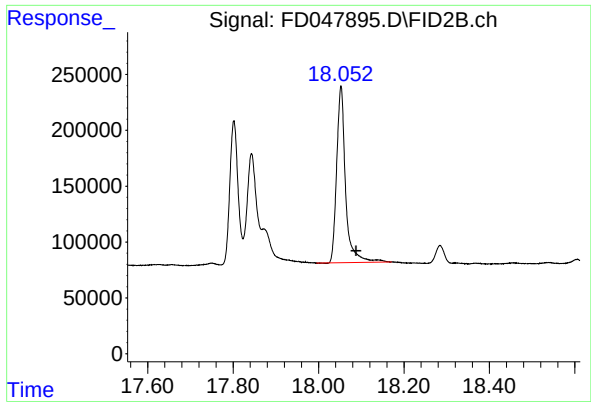
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.802 min
Delta R.T.: -0.039 min
Response: 1748244
Conc: 15.16 ug/ml m



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

R.T.: 17.843 min
Delta R.T.: -0.042 min
Response: 2187589
Conc: 16.41 ug/ml m



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

R.T.: 18.052 min
Delta R.T.: -0.036 min
Response: 2292156
Conc: 17.24 ug/ml

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