

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD060724AR\
 Data File : FD047892.D
 Signal(s) : FID2B.ch
 Acq On : 07 Jun 2024 23:25
 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 06/10/2024
 Supervised By :Ankita Jodhani 06/10/2024

Integration File: autoint1.e
 Quant Time: Jun 08 04:04:23 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	3101557	22.092 ug/ml
Spiked Amount 50.000		Recovery =	44.18%
6) S 2-Fluorobiphenyl (SURR)	8.282	2027076	21.888 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	43.78%
11) S ortho-Terphenyl (SURR)	11.320	3612665	22.595 ug/ml
Spiked Amount 50.000		Recovery =	45.19%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.247	3210607	20.328 ug/ml
2) T Naphthalene (C11.7)	5.769	3375975	20.683 ug/ml
3) T 2-Methylnaphthalene (...)	6.817	3396630	20.613 ug/ml
5) T Acenaphthylene (C15.06)	8.084	3097385	18.951 ug/ml
7) T Acenaphthene (C15.5)	8.379	3355316	20.549 ug/ml
8) T Fluorene (C16.55)	9.159	3207673	20.390 ug/ml
9) T Phenanthrene (C19.36)	10.547	3142066	20.376 ug/ml
10) T Anthracene (C19.43)	10.621	2154404	14.331 ug/ml
12) T Fluoranthene (C21.85)	12.352	3164934	20.856 ug/ml
13) T Pyrene (C20.8)	12.646	3057795	20.283 ug/ml
14) T Benzo[a]anthracene (C...	14.515	2686414	19.597 ug/mlm
15) T Chrysene (C27.41)	14.557	3039417	20.632 ug/ml
16) T benzo[b]fluoranthene ...	16.063	2867105	20.371 ug/mlm
17) T Bnezo[k]fluoranthene ...	16.093	2917002	21.420 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.438	2724703	19.685 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.802	2370252	20.561 ug/mlm
20) T Dibenz[a,h]anthracene...	17.841	2766226	20.745 ug/ml
21) T Benzo[g,h,i]perylene ...	18.051	2695691	20.270 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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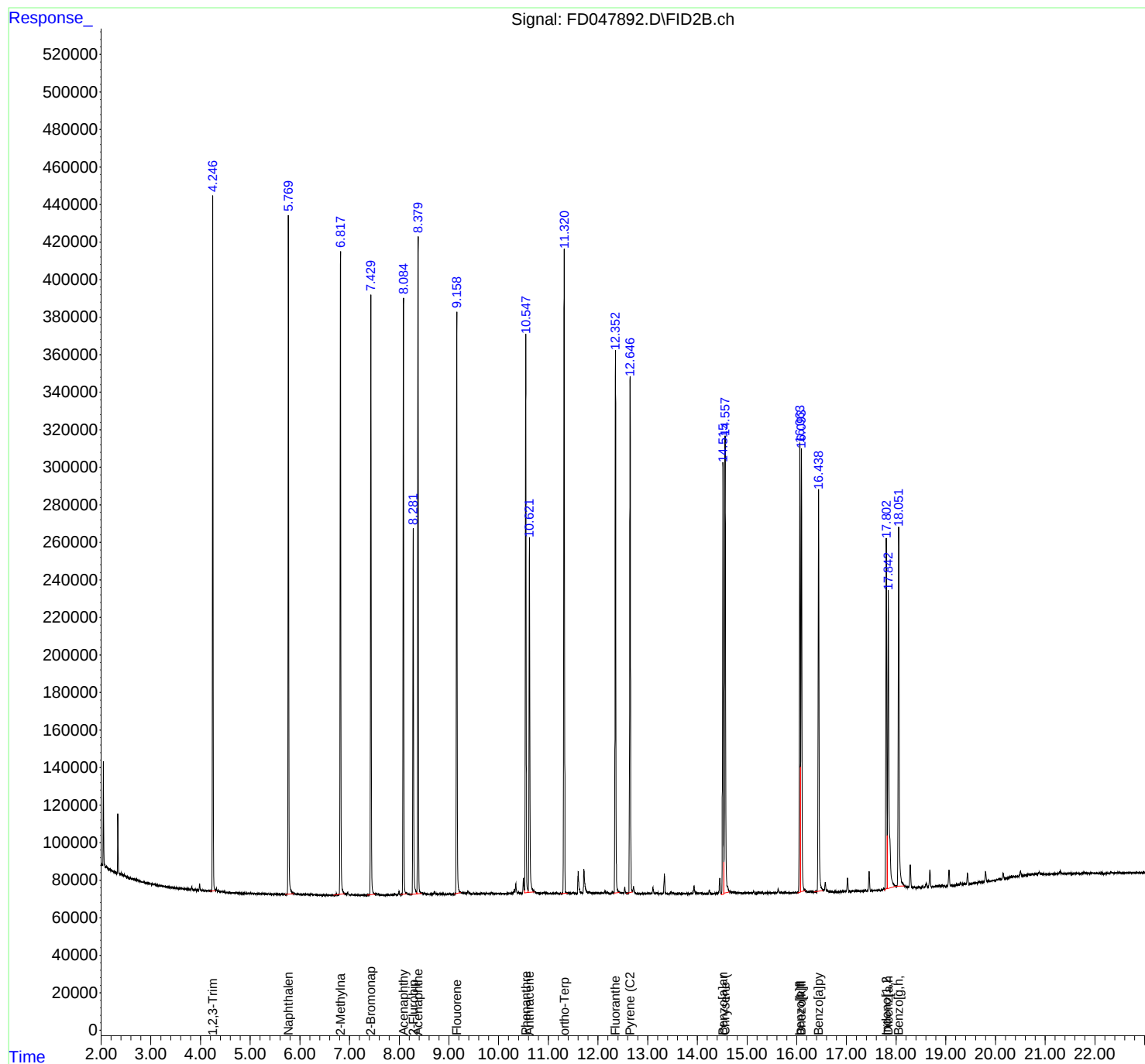
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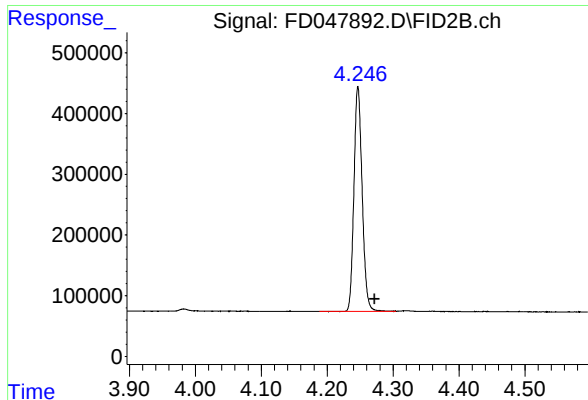
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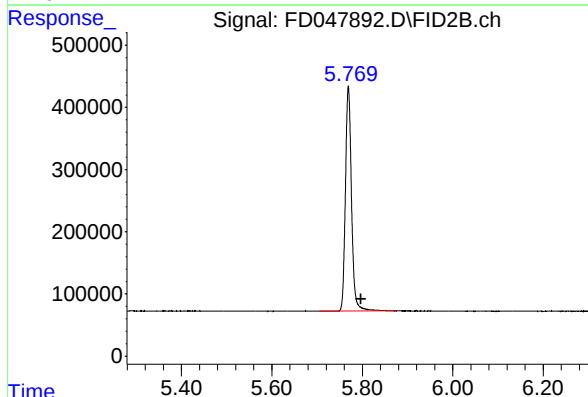
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.247 min
Delta R.T.: -0.025 min
Response: 3210607
Conc: 20.33 ug/ml

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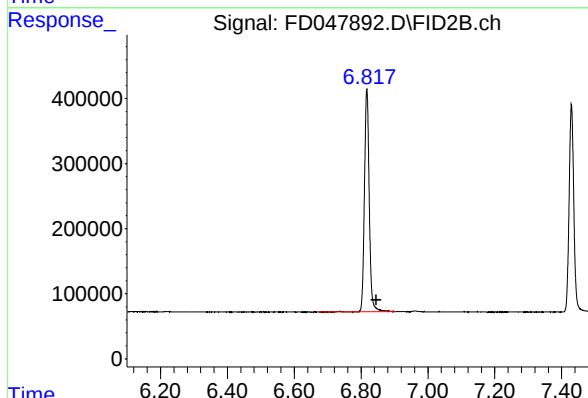
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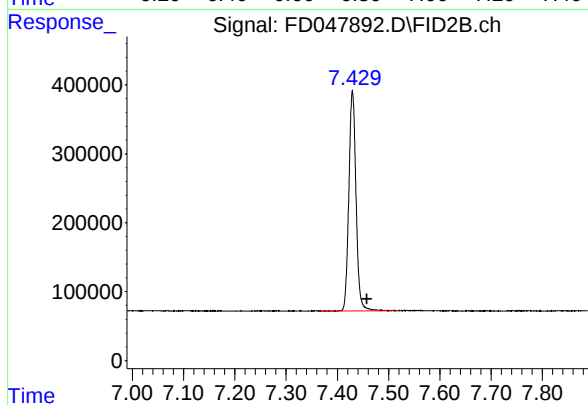
#2 Naphthalene (C11.7)

R.T.: 5.769 min
Delta R.T.: -0.028 min
Response: 3375975
Conc: 20.68 ug/ml



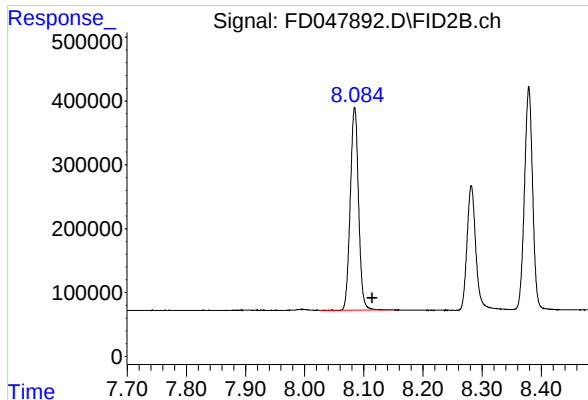
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.817 min
Delta R.T.: -0.029 min
Response: 3396630
Conc: 20.61 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.430 min
Delta R.T.: -0.029 min
Response: 3101557
Conc: 22.09 ug/ml



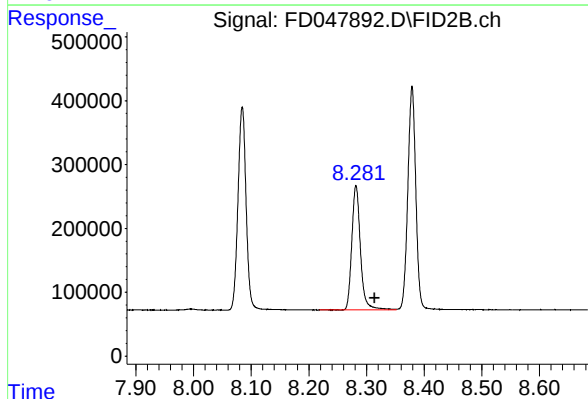
#5 Acenaphthylene (C15.06)

R.T.: 8.084 min
Delta R.T.: -0.030 min
Response: 3097385
Conc: 18.95 ug/ml

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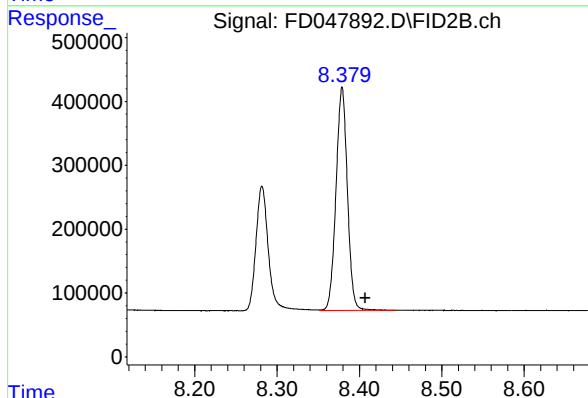
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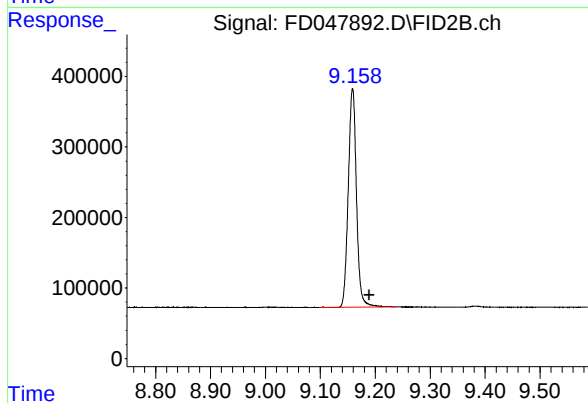
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.282 min
Delta R.T.: -0.032 min
Response: 2027076
Conc: 21.89 ug/ml



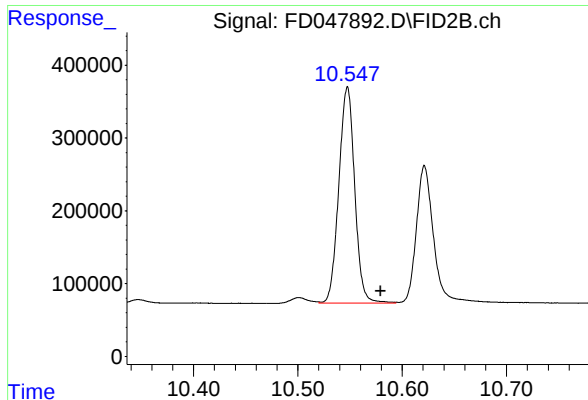
#7 Acenaphthene (C15.5)

R.T.: 8.379 min
Delta R.T.: -0.029 min
Response: 3355316
Conc: 20.55 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.159 min
Delta R.T.: -0.030 min
Response: 3207673
Conc: 20.39 ug/ml



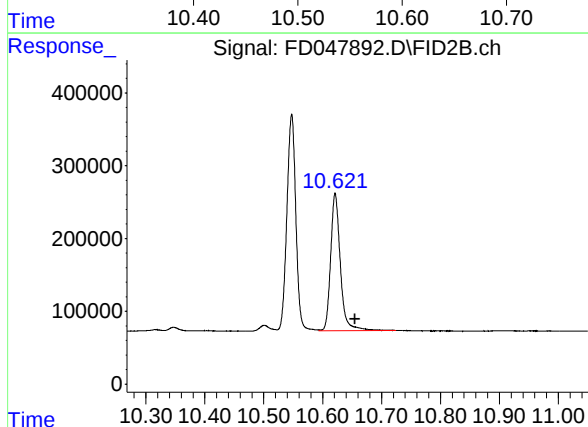
#9 Phenanthrene (C19.36)

R.T.: 10.547 min
Delta R.T.: -0.032 min
Response: 3142066
Conc: 20.38 ug/ml

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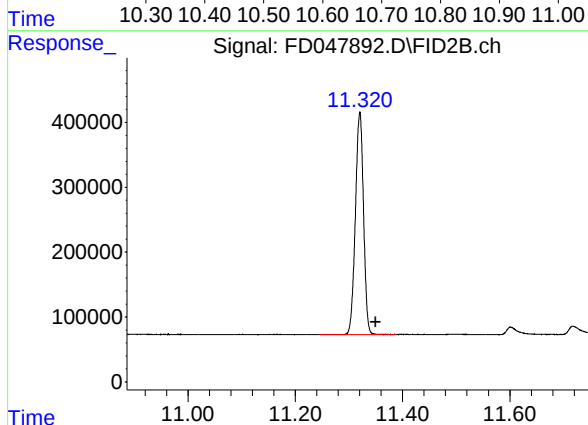
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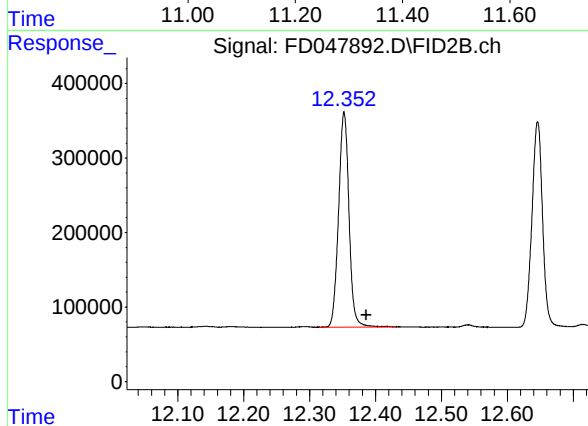
#10 Anthracene (C19.43)

R.T.: 10.621 min
Delta R.T.: -0.033 min
Response: 2154404
Conc: 14.33 ug/ml



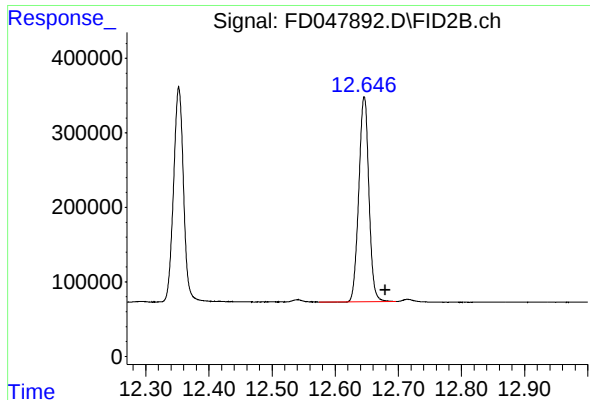
#11 ortho-Terphenyl (SURR)

R.T.: 11.320 min
Delta R.T.: -0.030 min
Response: 3612665
Conc: 22.60 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.352 min
Delta R.T.: -0.034 min
Response: 3164934
Conc: 20.86 ug/ml



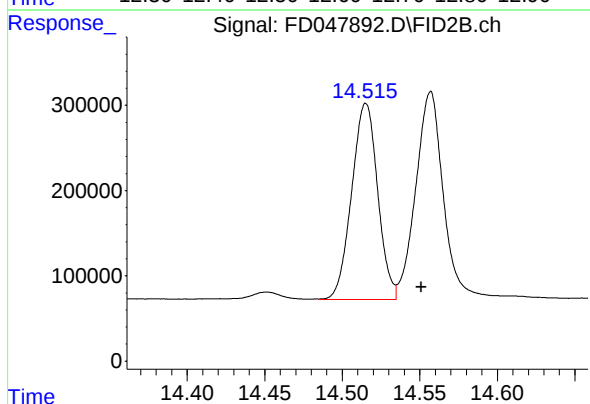
#13 Pyrene (C20.8)

R.T.: 12.646 min
Delta R.T.: -0.034 min
Response: 3057795
Conc: 20.28 ug/ml

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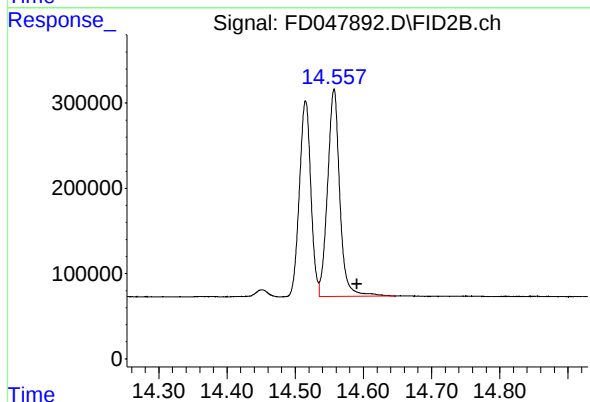
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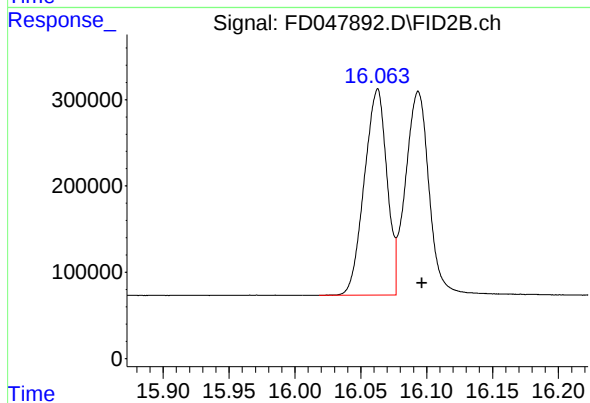
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.515 min
Delta R.T.: -0.036 min
Response: 2686414
Conc: 19.60 ug/ml m



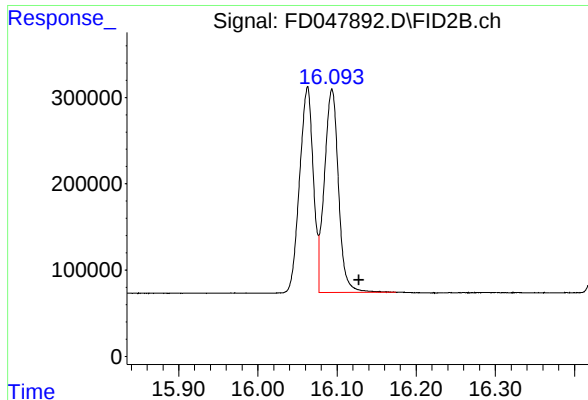
#15 Chrysene (C27.41)

R.T.: 14.557 min
Delta R.T.: -0.034 min
Response: 3039417
Conc: 20.63 ug/ml



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

R.T.: 16.063 min
Delta R.T.: -0.034 min
Response: 2867105
Conc: 20.37 ug/ml m



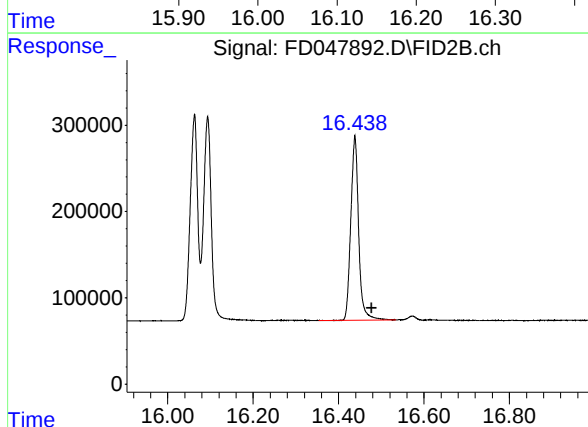
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.093 min
Delta R.T.: -0.034 min
Response: 2917002
Conc: 21.42 ug/ml

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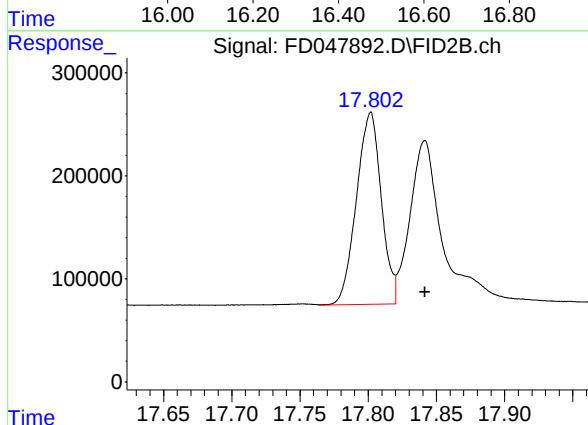
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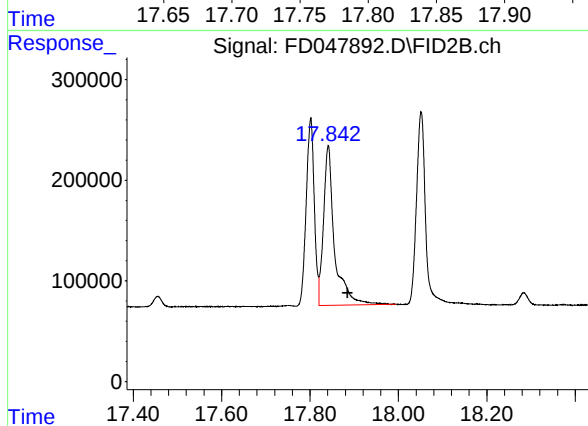
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.438 min
Delta R.T.: -0.039 min
Response: 2724703
Conc: 19.68 ug/ml



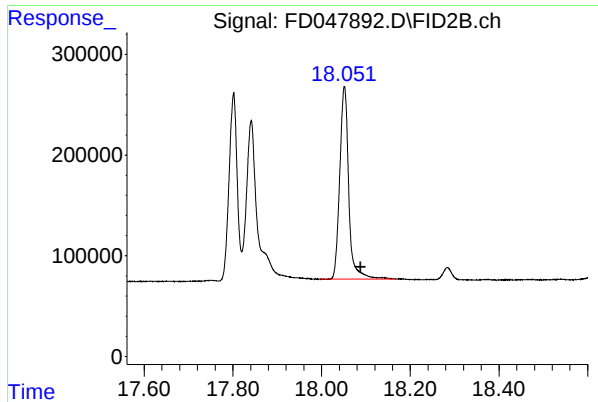
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.802 min
Delta R.T.: -0.040 min
Response: 2370252
Conc: 20.56 ug/ml m



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

R.T.: 17.841 min
Delta R.T.: -0.044 min
Response: 2766226
Conc: 20.74 ug/ml



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

R.T.: 18.051 min
Delta R.T.: -0.037 min
Response: 2695691
Conc: 20.27 ug/ml

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