

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD042424AR\
 Data File : FD047564.D
 Signal(s) : FID2B.ch
 Acq On : 24 Apr 2024 21:12
 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 04/25/2024
 Supervised By :Ankita Jodhani 04/25/2024

Integration File: autoint1.e
 Quant Time: Apr 25 02:07:13 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 040224.M
 Quant Title : GC Extractables
 QLast Update : Mon Apr 01 16:48:10 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...	7.461	3210441	21.474 ug/ml
Spiked Amount 50.000		Recovery =	42.95%
6) S 2-Fluorobiphenyl (SURR)	8.314	2107192	21.566 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	43.13%
11) S ortho-Terphenyl (SURR)	11.353	3669117	21.404 ug/ml
Spiked Amount 50.000		Recovery =	42.81%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.275	3390918	21.459 ug/ml
2) T Naphthalene (C11.7)	5.800	3530674	21.576 ug/ml
3) T 2-Methylnaphthalene (...)	6.848	3551023	21.589 ug/ml
5) T Acenaphthylene (C15.06)	8.117	3224895	21.365 ug/ml
7) T Acenaphthene (C15.5)	8.412	3445957	21.515 ug/ml
8) T Flouorene (C16.55)	9.190	3301187	21.339 ug/ml
9) T Phenanthrene (C19.36)	10.580	3212064	21.589 ug/ml
10) T Anthracene (C19.43)	10.655	2850746	20.960 ug/ml
12) T Fluoranthene (C21.85)	12.385	3171810	21.456 ug/mlm
13) T Pyrene (C20.8)	12.679	3084287	21.371 ug/ml
14) T Benzo[a]anthracene (C...	14.547	2823918	21.473 ug/ml
15) T Chrysene (C27.41)	14.589	3055823	21.671 ug/ml
16) T benzo[b]fluoranthene ...	16.093	2995057	21.468 ug/ml
17) T Bnezo[k]fluoranthene ...	16.125	3021628	21.724 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.469	2945681	21.454 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.830	2554959	18.941 ug/ml
20) T Dibenz[a,h]anthracene...	17.871	2783589	20.712 ug/ml
21) T Benzo[g,h,i]perylene ...	18.082	2824296	20.349 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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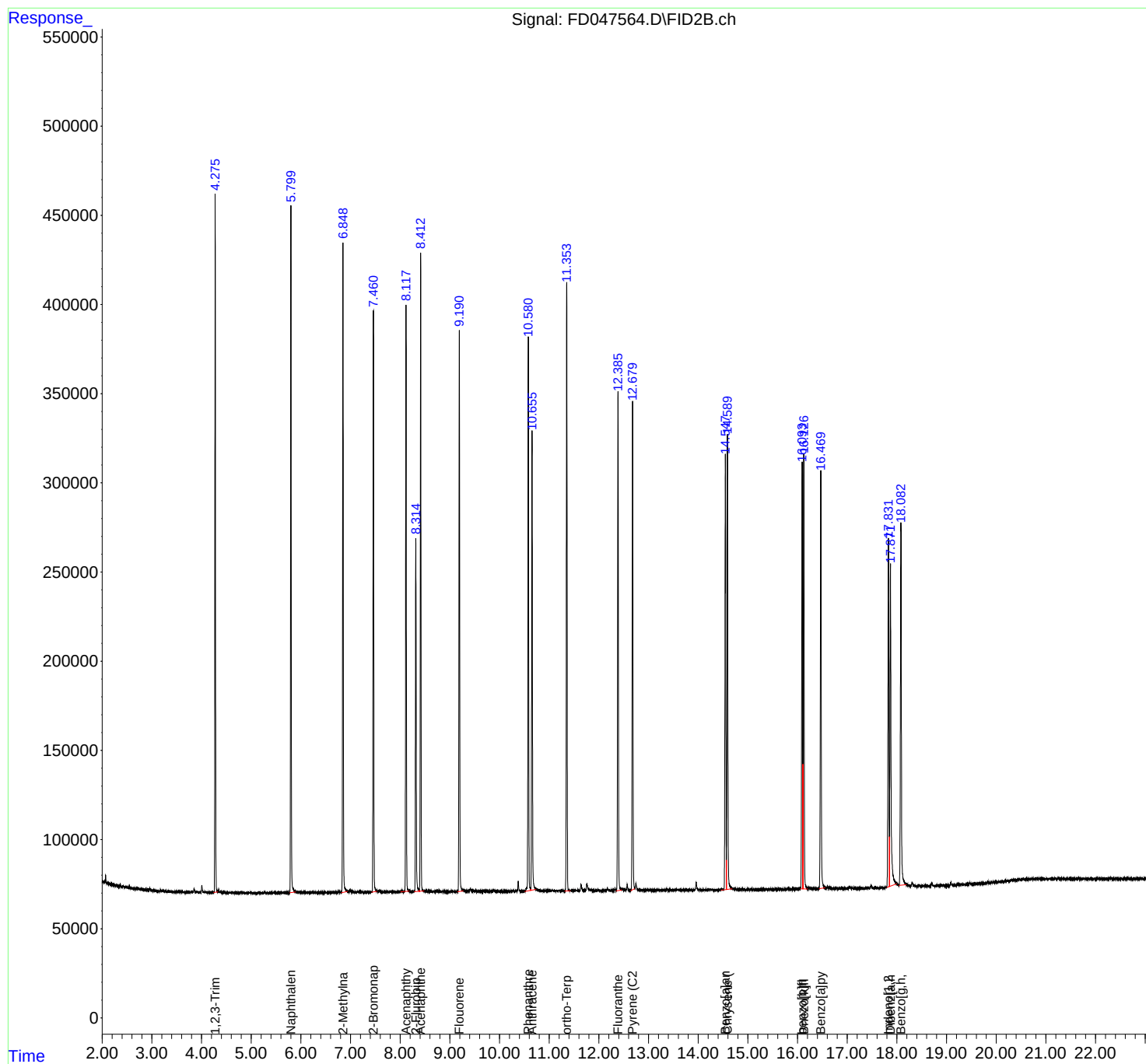
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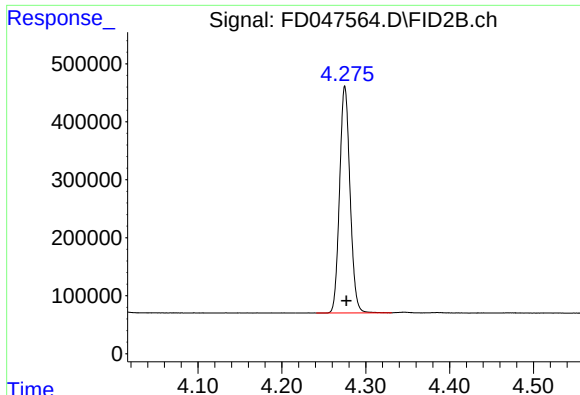
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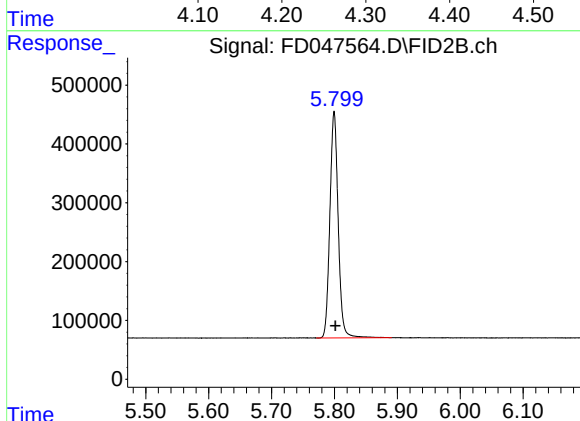
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.275 min
Delta R.T.: -0.002 min
Response: 3390918
Conc: 21.46 ug/ml

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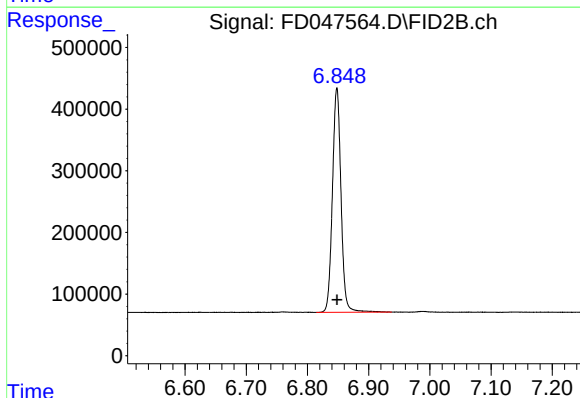
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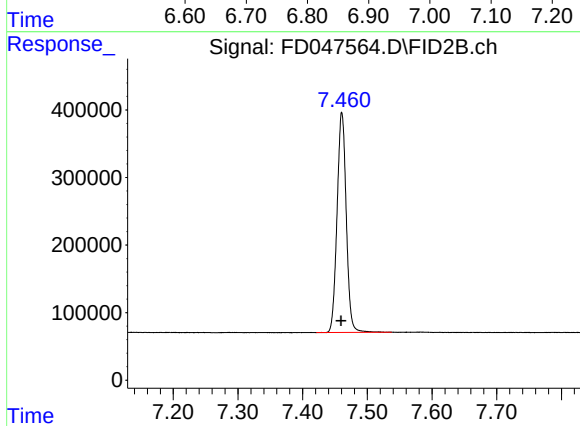
#2 Naphthalene (C11.7)

R.T.: 5.800 min
Delta R.T.: -0.002 min
Response: 3530674
Conc: 21.58 ug/ml



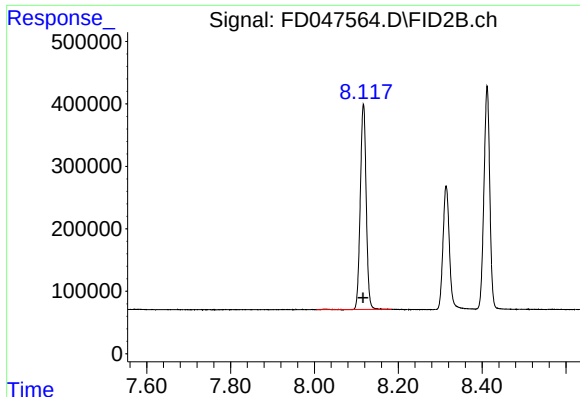
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.848 min
Delta R.T.: 0.000 min
Response: 3551023
Conc: 21.59 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.461 min
Delta R.T.: 0.002 min
Response: 3210441
Conc: 21.47 ug/ml



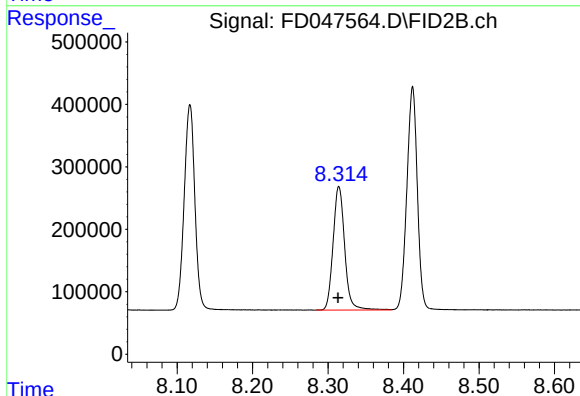
#5 Acenaphthylene (C15.06)

R.T.: 8.117 min
Delta R.T.: 0.001 min
Response: 3224895
Conc: 21.37 ug/ml

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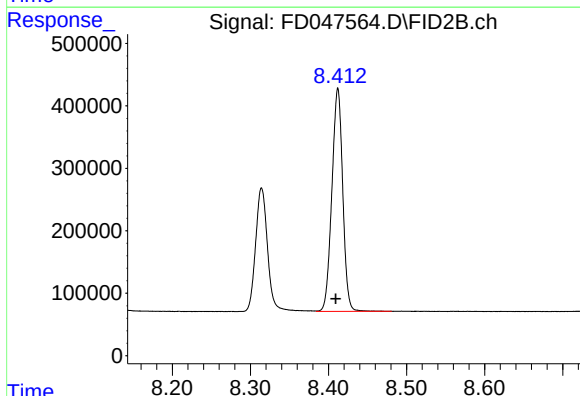
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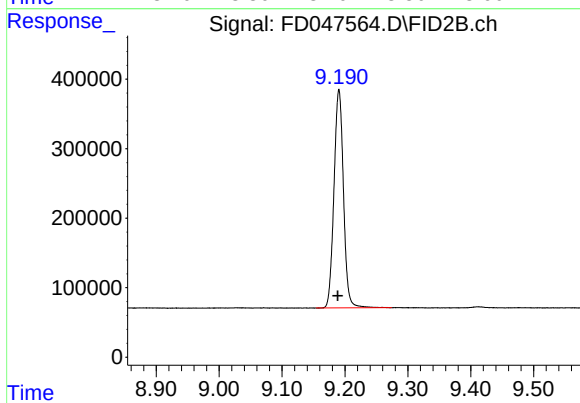
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.314 min
Delta R.T.: 0.001 min
Response: 2107192
Conc: 21.57 ug/ml



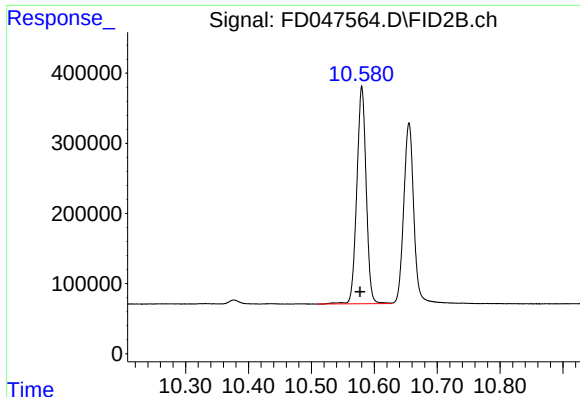
#7 Acenaphthene (C15.5)

R.T.: 8.412 min
Delta R.T.: 0.003 min
Response: 3445957
Conc: 21.52 ug/ml



#8 Fluorene (C16.55)

R.T.: 9.190 min
Delta R.T.: 0.002 min
Response: 3301187
Conc: 21.34 ug/ml



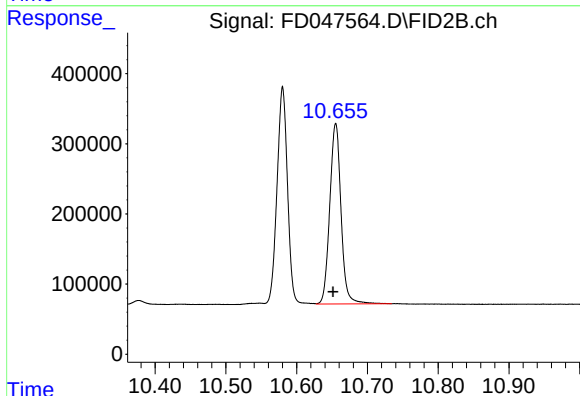
#9 Phenanthrene (C19.36)

R.T.: 10.580 min
Delta R.T.: 0.003 min
Response: 3212064
Conc: 21.59 ug/ml

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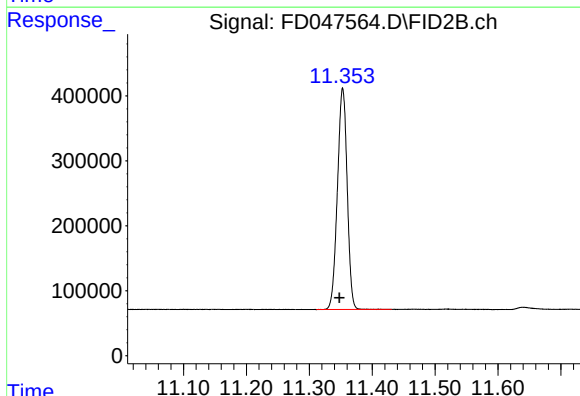
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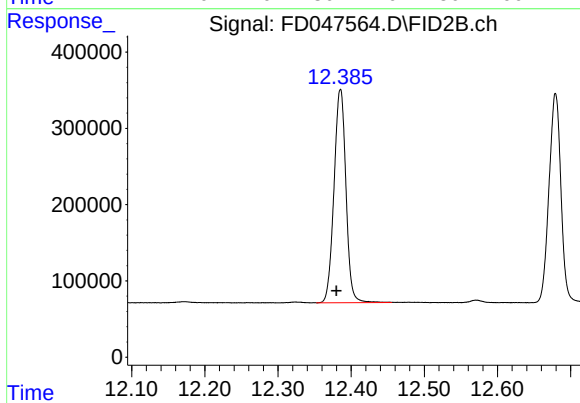
#10 Anthracene (C19.43)

R.T.: 10.655 min
Delta R.T.: 0.003 min
Response: 2850746
Conc: 20.96 ug/ml



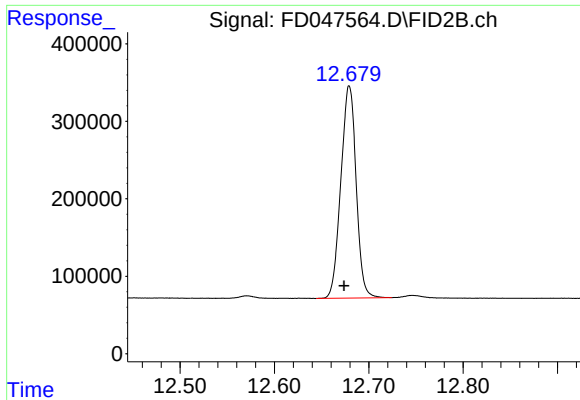
#11 ortho-Terphenyl (SURR)

R.T.: 11.353 min
Delta R.T.: 0.005 min
Response: 3669117
Conc: 21.40 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.385 min
Delta R.T.: 0.006 min
Response: 3171810
Conc: 21.46 ug/ml m



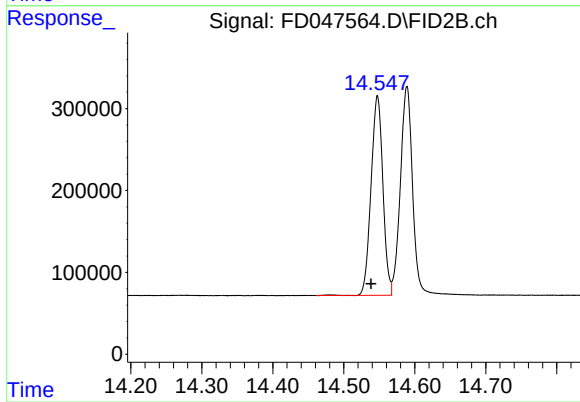
#13 Pyrene (C20.8)

R.T.: 12.679 min
Delta R.T.: 0.005 min
Response: 3084287
Conc: 21.37 ug/ml

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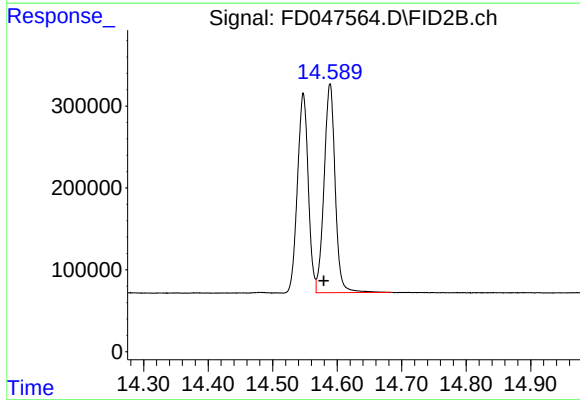
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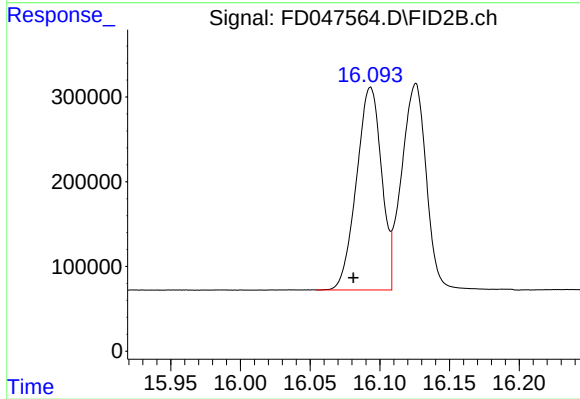
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.547 min
Delta R.T.: 0.009 min
Response: 2823918
Conc: 21.47 ug/ml



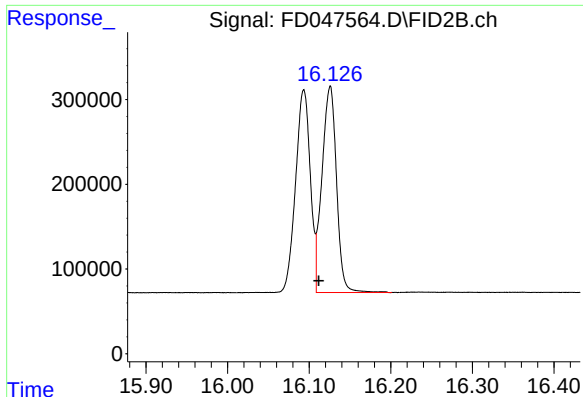
#15 Chrysene (C27.41)

R.T.: 14.589 min
Delta R.T.: 0.009 min
Response: 3055823
Conc: 21.67 ug/ml



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

R.T.: 16.093 min
Delta R.T.: 0.012 min
Response: 2995057
Conc: 21.47 ug/ml



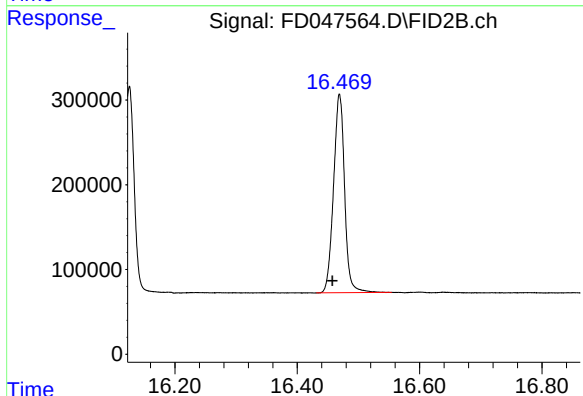
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.125 min
Delta R.T.: 0.013 min
Response: 3021628
Conc: 21.72 ug/ml

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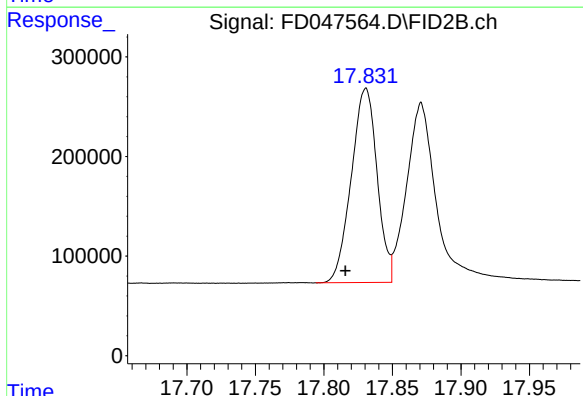
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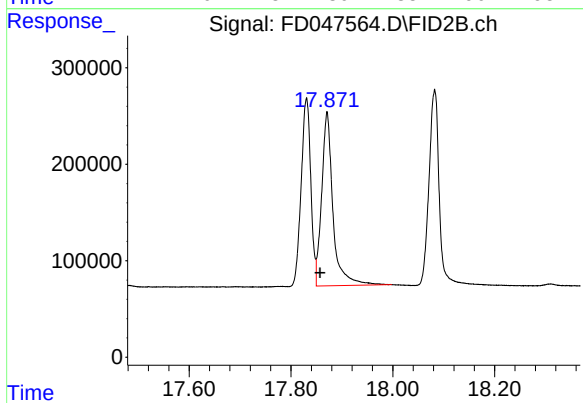
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.469 min
Delta R.T.: 0.012 min
Response: 2945681
Conc: 21.45 ug/ml



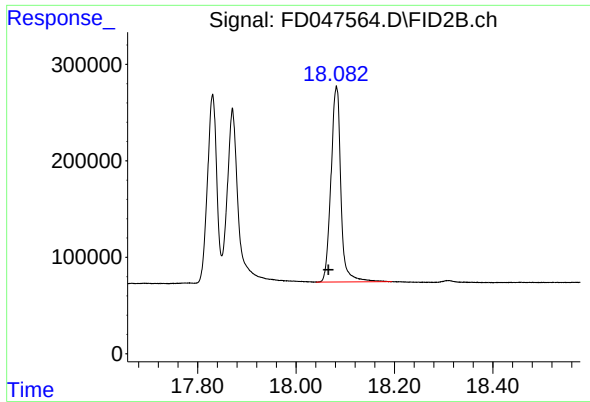
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.830 min
Delta R.T.: 0.015 min
Response: 2554959
Conc: 18.94 ug/ml



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

R.T.: 17.871 min
Delta R.T.: 0.014 min
Response: 2783589
Conc: 20.71 ug/ml



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

R.T.: 18.082 min
Delta R.T.: 0.016 min
Response: 2824296
Conc: 20.35 ug/ml

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