

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD051724AR\
 Data File : FD047793.D
 Signal(s) : FID2B.ch
 Acq On : 17 May 2024 22:49
 Operator : YP/AJ
 Sample : PB160973BSD
 Misc :
 ALS Vial : 68 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 PB160973BSD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 05/20/2024
 Supervised By :Ankita Jodhani 05/20/2024

Integration File: autoint1.e
 Quant Time: May 18 04:07:36 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 042924.M
 Quant Title : GC Extractables
 QLast Update : Mon Apr 29 17:13:11 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...	7.459	6654567	42.432 ug/ml
Spiked Amount 50.000		Recovery =	84.86%
6) S 2-Fluorobiphenyl (SURR)	8.313	4362250	41.703 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	83.41%
11) S ortho-Terphenyl (SURR)	11.354	6666753	35.550 ug/ml
Spiked Amount 50.000		Recovery =	71.10%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.270	6208561	38.400 ug/ml
2) T Naphthalene (C11.7)	5.797	7521515	44.452 ug/ml
3) T 2-Methylnaphthalene (...)	6.847	7899531	46.375 ug/ml
5) T Acenaphthylene (C15.06)	8.117	8349686	51.199 ug/ml
7) T Acenaphthene (C15.5)	8.413	8249562	49.077 ug/ml
8) T Flouorene (C16.55)	9.192	8484903	51.008 ug/ml
9) T Phenanthrene (C19.36)	10.583	8538467	52.154 ug/ml
10) T Anthracene (C19.43)	10.659	8416809	56.193 ug/ml
12) T Fluoranthene (C21.85)	12.392	8434103	50.828 ug/ml
13) T Pyrene (C20.8)	12.687	8551812	52.558 ug/ml
14) T Benzo[a]anthracene (C...	14.557	7949760	54.460 ug/ml
15) T Chrysene (C27.41)	14.601	7761449	49.252 ug/ml
16) T benzo[b]fluoranthene ...	16.105	7852080	52.572 ug/ml
17) T Bnezo[k]fluoranthene ...	16.142	7662067	50.893 ug/mlm
18) T Benzo[a]pyrene (C31.34)	16.483	7618698	52.800 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.849	7876248	58.033 ug/ml
20) T Dibenz[a,h]anthracene...	17.886	6793178	47.447 ug/ml
21) T Benzo[g,h,i]perylene ...	18.102	6987354	50.892 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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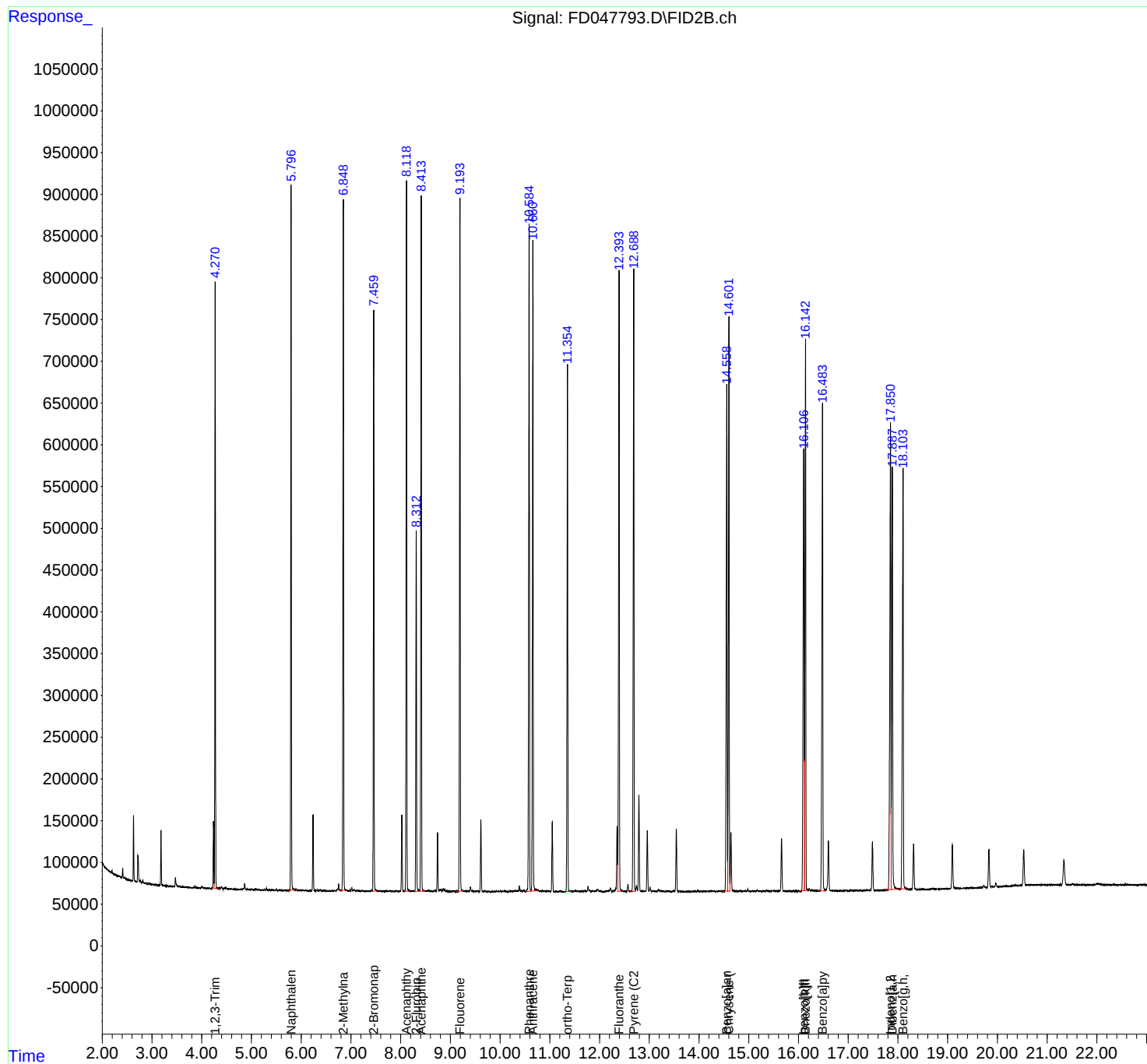
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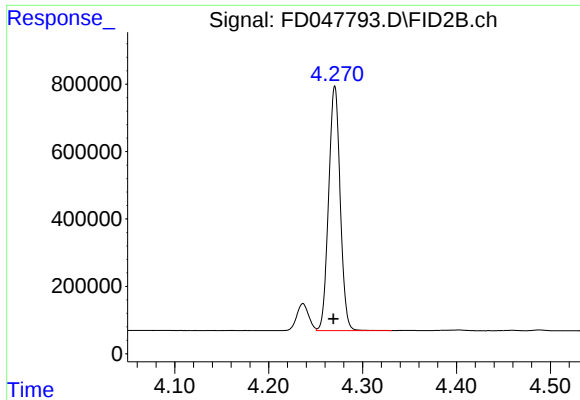
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#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.270 min
Delta R.T.: 0.001 min
Response: 6208561
Conc: 38.40 ug/ml

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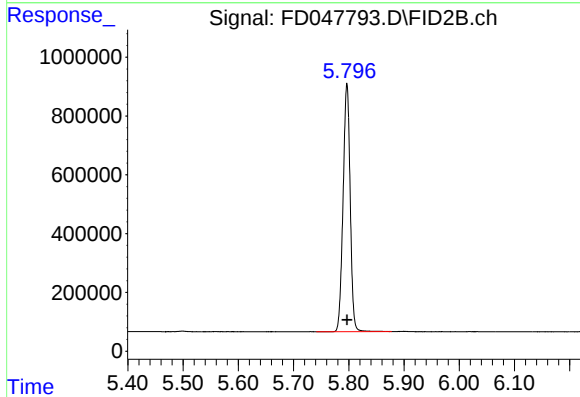
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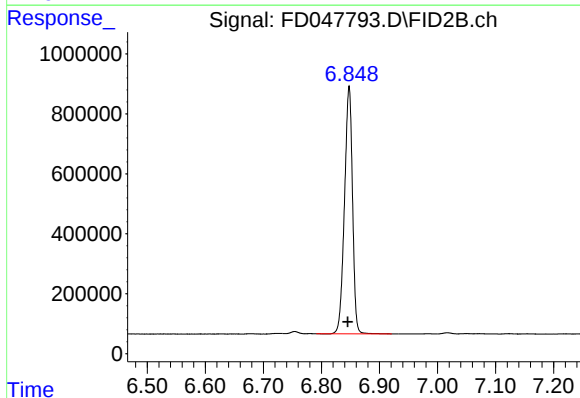
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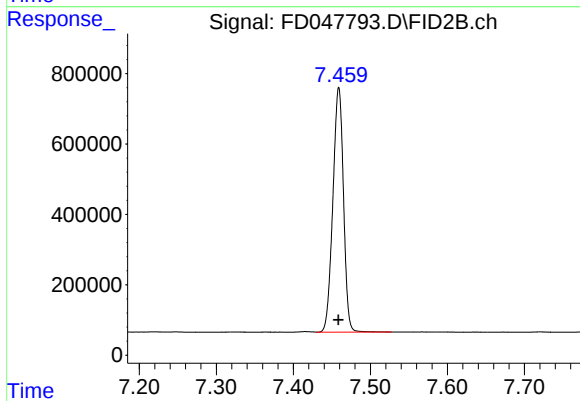
#2 Naphthalene (C11.7)

R.T.: 5.797 min
Delta R.T.: 0.000 min
Response: 7521515
Conc: 44.45 ug/ml



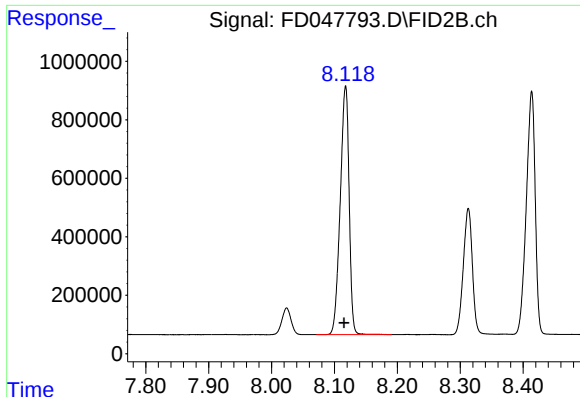
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.847 min
Delta R.T.: 0.002 min
Response: 7899531
Conc: 46.37 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.459 min
Delta R.T.: 0.000 min
Response: 6654567
Conc: 42.43 ug/ml



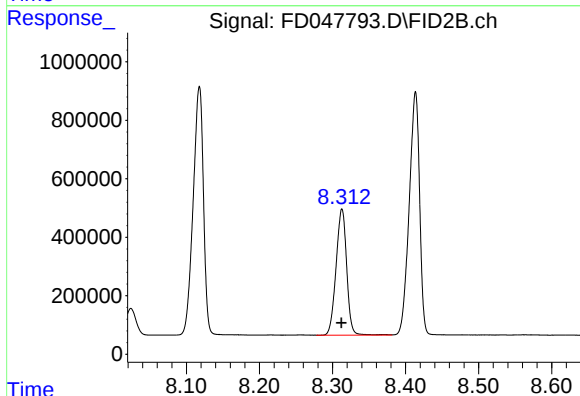
#5 Acenaphthylene (C15.06)

R.T.: 8.117 min
Delta R.T.: 0.002 min
Response: 8349686
Conc: 51.20 ug/ml

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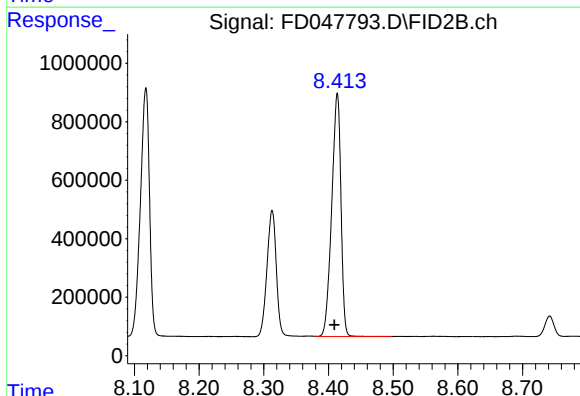
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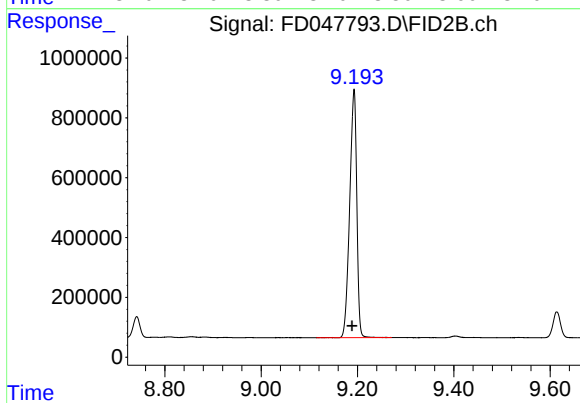
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.313 min
Delta R.T.: 0.000 min
Response: 4362250
Conc: 41.70 ug/ml



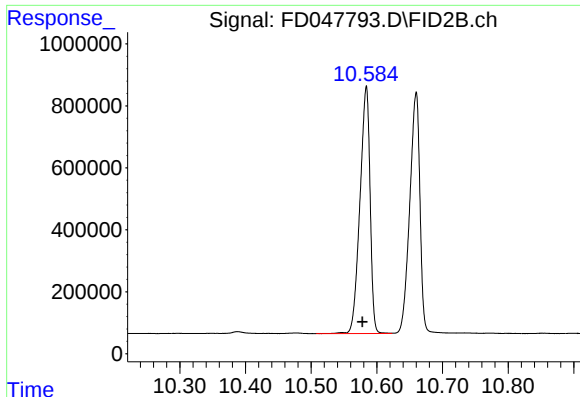
#7 Acenaphthene (C15.5)

R.T.: 8.413 min
Delta R.T.: 0.004 min
Response: 8249562
Conc: 49.08 ug/ml



#8 Fluorene (C16.55)

R.T.: 9.192 min
Delta R.T.: 0.004 min
Response: 8484903
Conc: 51.01 ug/ml



#9 Phenanthrene (C19.36)

R.T.: 10.583 min
Delta R.T.: 0.005 min
Response: 8538467
Conc: 52.15 ug/ml

Instrument :

FID_D

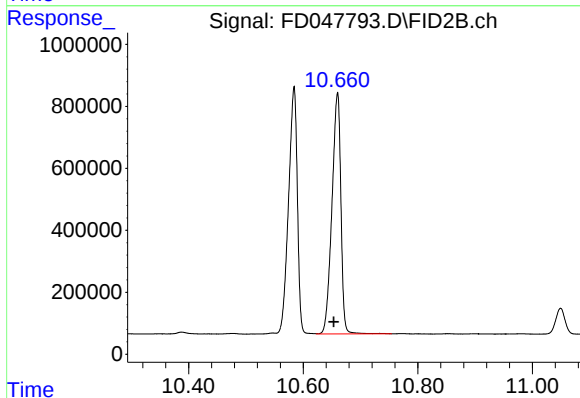
ClientSampleId :

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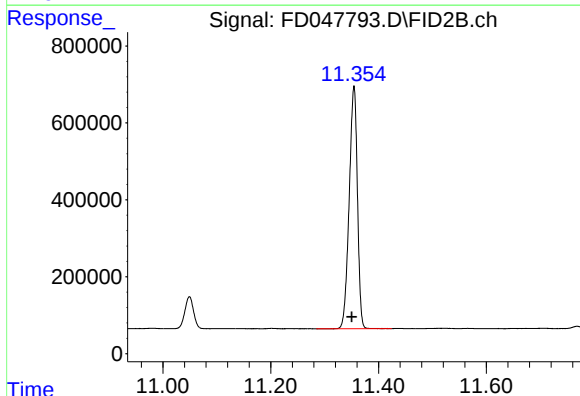
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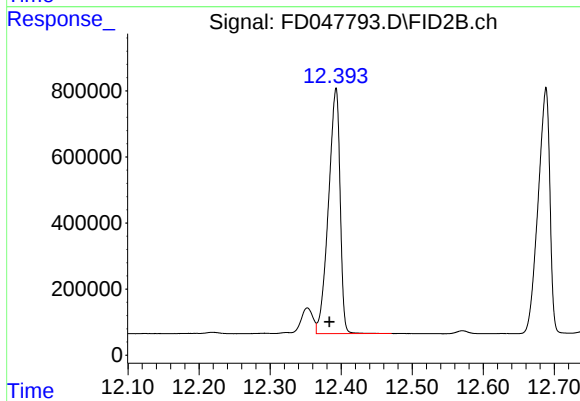
#10 Anthracene (C19.43)

R.T.: 10.659 min
Delta R.T.: 0.006 min
Response: 8416809
Conc: 56.19 ug/ml



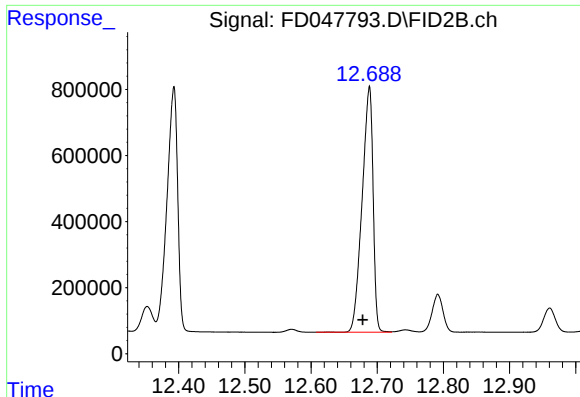
#11 ortho-Terphenyl (SURR)

R.T.: 11.354 min
Delta R.T.: 0.004 min
Response: 6666753
Conc: 35.55 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.392 min
Delta R.T.: 0.009 min
Response: 8434103
Conc: 50.83 ug/ml



#13 Pyrene (C20.8)

R.T.: 12.687 min
Delta R.T.: 0.009 min
Response: 8551812
Conc: 52.56 ug/ml

Instrument :

FID_D

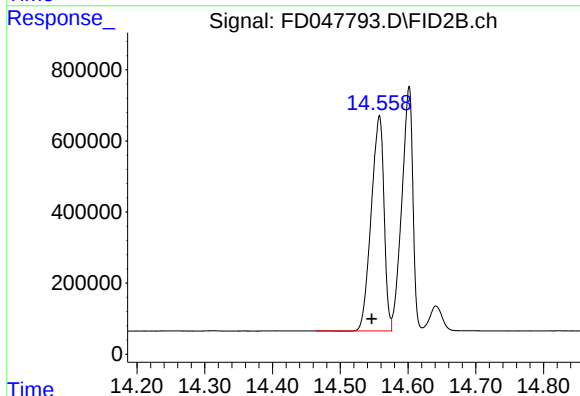
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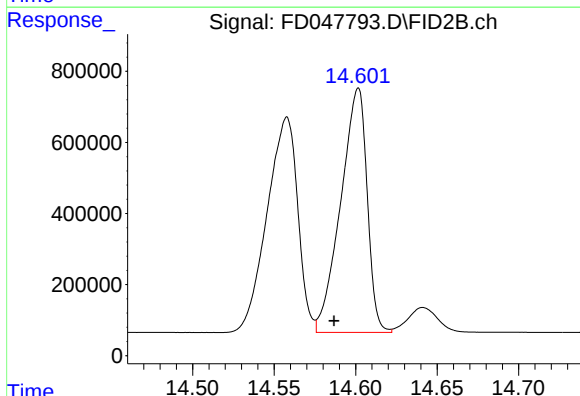
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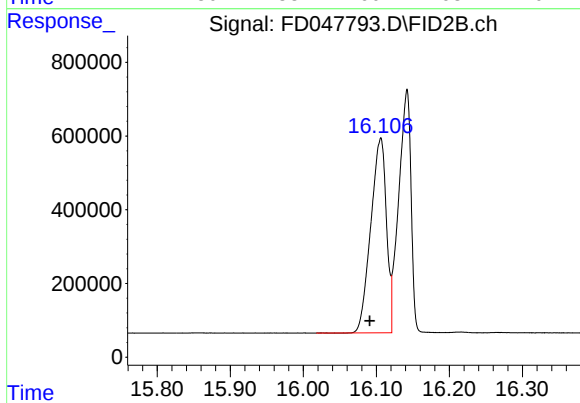
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.557 min
Delta R.T.: 0.011 min
Response: 7949760
Conc: 54.46 ug/ml



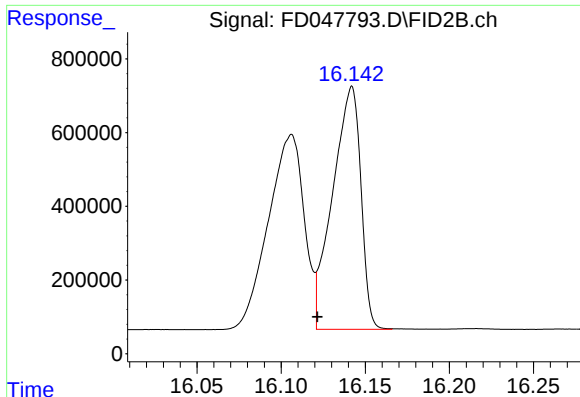
#15 Chrysene (C27.41)

R.T.: 14.601 min
Delta R.T.: 0.014 min
Response: 7761449
Conc: 49.25 ug/ml



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

R.T.: 16.105 min
Delta R.T.: 0.014 min
Response: 7852080
Conc: 52.57 ug/ml



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

R.T.: 16.142 min
Delta R.T.: 0.020 min
Response: 7662067
Conc: 50.89 ug/ml

Instrument :

FID_D

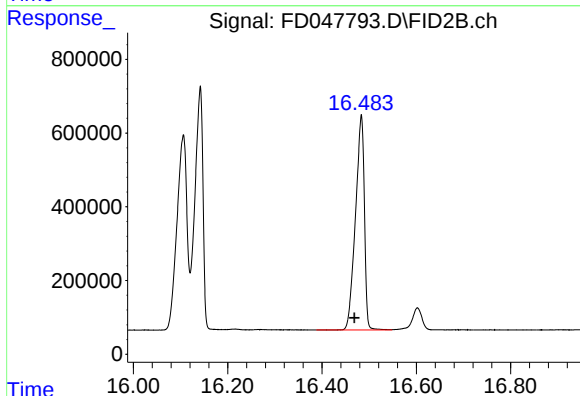
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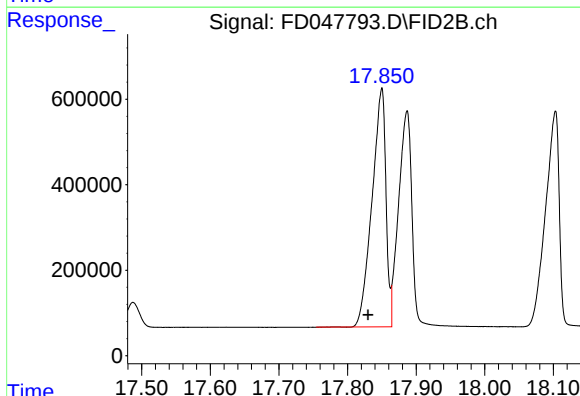
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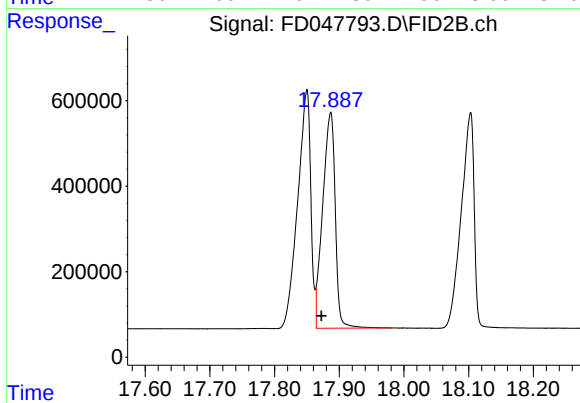
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.483 min
Delta R.T.: 0.014 min
Response: 7618698
Conc: 52.80 ug/ml



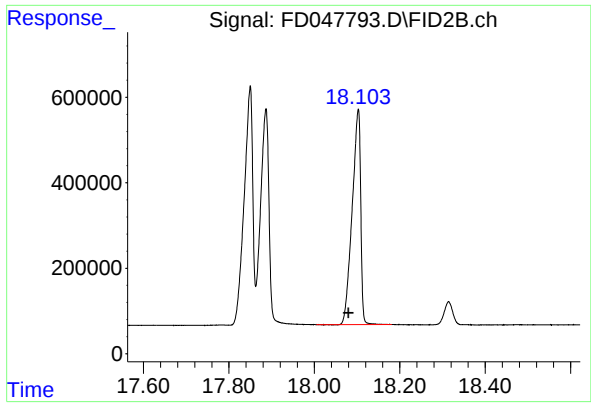
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.849 min
Delta R.T.: 0.019 min
Response: 7876248
Conc: 58.03 ug/ml



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

R.T.: 17.886 min
Delta R.T.: 0.014 min
Response: 6793178
Conc: 47.45 ug/ml



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

R.T.: 18.102 min
Delta R.T.: 0.022 min
Response: 6987354
Conc: 50.89 ug/ml

Instrument :

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