

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD051724AR\
 Data File : FD047792.D
 Signal(s) : FID2B.ch
 Acq On : 17 May 2024 22:10
 Operator : YP/AJ
 Sample : PB160973BS
 Misc :
 ALS Vial : 67 Sample Multiplier: 1

Instrument :

FID_D

ClientSampleId :

PB160973BS

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 04:07:19 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

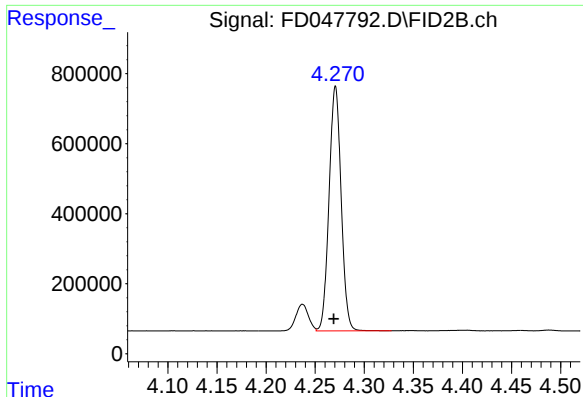
Signal Info : 20M x 0.18mm x 0.18µm

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.459	6421794	40.948 ug/ml
Spiked Amount 50.000		Recovery =	81.90%
6) S 2-Fluorobiphenyl (SURR)	8.313	4207645	40.225 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	80.45%
11) S ortho-Terphenyl (SURR)	11.353	6426709	34.270 ug/ml
Spiked Amount 50.000		Recovery =	68.54%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.271	5980208	36.988 ug/ml
2) T Naphthalene (C11.7)	5.797	7258273	42.896 ug/ml
3) T 2-Methylnaphthalene (...)	6.847	7637180	44.834 ug/ml
5) T Acenaphthylene (C15.06)	8.117	8052466	49.376 ug/ml
7) T Acenaphthene (C15.5)	8.413	7938775	47.228 ug/ml
8) T Flouorene (C16.55)	9.193	8178648	49.167 ug/ml
9) T Phenanthrene (C19.36)	10.583	8194764	50.054 ug/ml
10) T Anthracene (C19.43)	10.659	8039977	53.677 ug/ml
12) T Fluoranthene (C21.85)	12.391	8118989	48.929 ug/ml
13) T Pyrene (C20.8)	12.686	8238689	50.634 ug/ml
14) T Benzo[a]anthracene (C...	14.556	7645292	52.375 ug/ml
15) T Chrysene (C27.41)	14.600	7457450	47.323 ug/ml
16) T benzo[b]fluoranthene ...	16.105	7540287	50.485 ug/ml
17) T Bnezo[k]fluoranthene ...	16.141	7351813	48.833 ug/mlm
18) T Benzo[a]pyrene (C31.34)	16.482	7307979	50.647 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.849	7530692	55.487 ug/ml
20) T Dibenz[a,h]anthracene...	17.887	6560408	45.821 ug/ml
21) T Benzo[g,h,i]perylene ...	18.102	6730046	49.018 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.



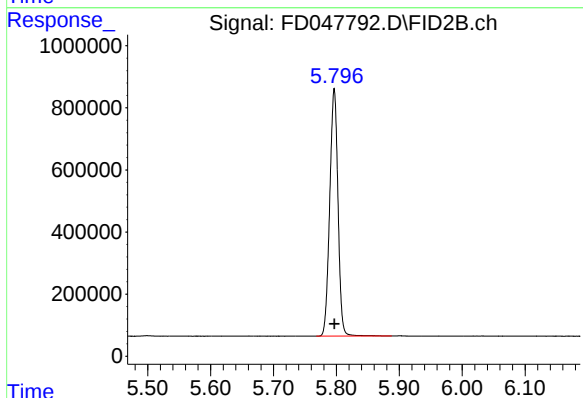
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.271 min
Delta R.T.: 0.002 min
Response: 5980208
Conc: 36.99 ug/ml

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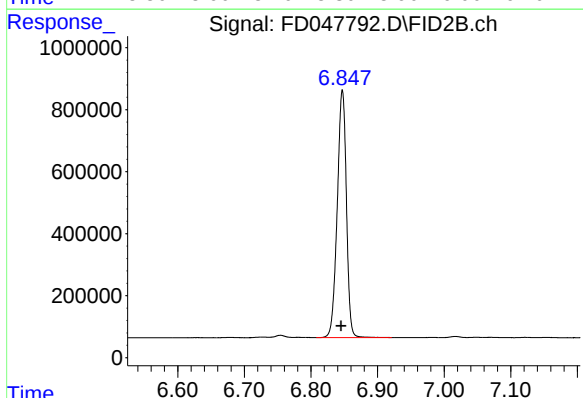
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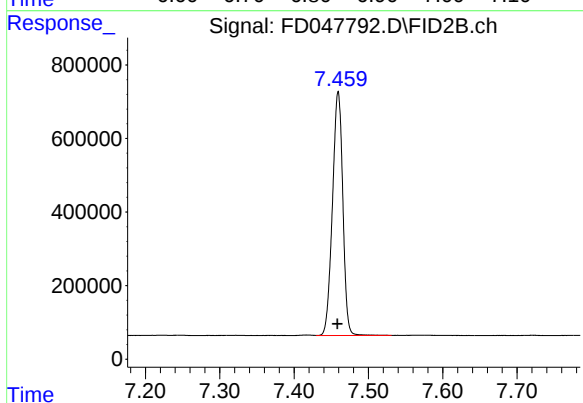
#2 Naphthalene (C11.7)

R.T.: 5.797 min
Delta R.T.: 0.000 min
Response: 7258273
Conc: 42.90 ug/ml



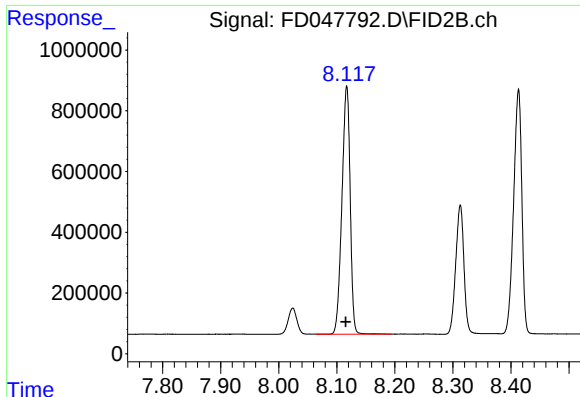
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.847 min
Delta R.T.: 0.002 min
Response: 7637180
Conc: 44.83 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.459 min
Delta R.T.: 0.000 min
Response: 6421794
Conc: 40.95 ug/ml



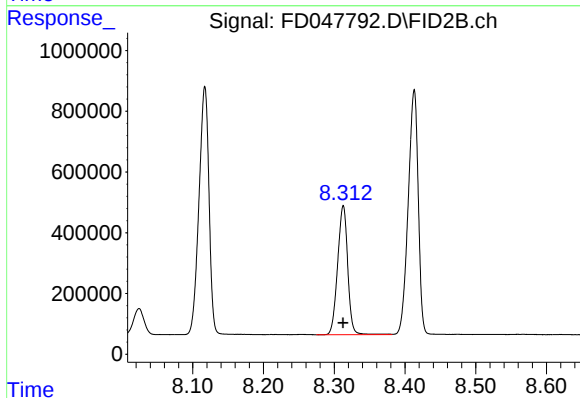
#5 Acenaphthylene (C15.06)

R.T.: 8.117 min
Delta R.T.: 0.001 min
Response: 8052466
Conc: 49.38 ug/ml

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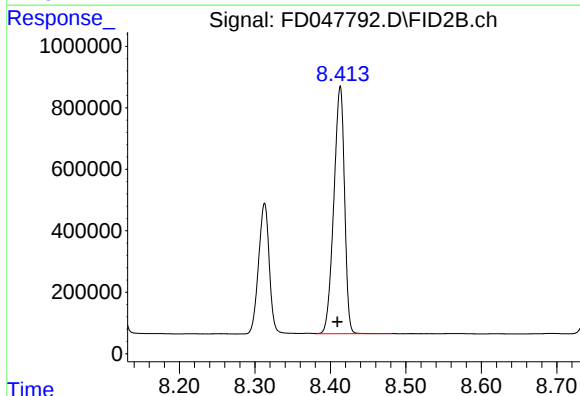
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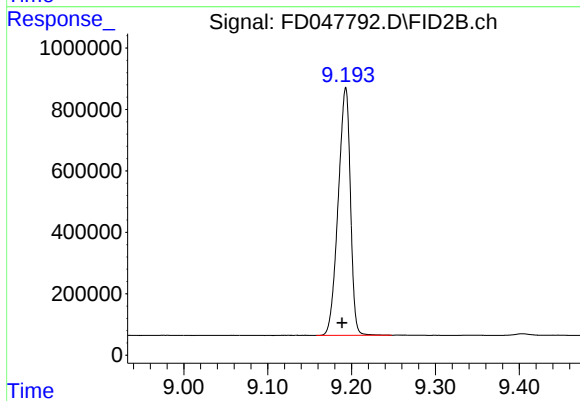
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.313 min
Delta R.T.: 0.000 min
Response: 4207645
Conc: 40.23 ug/ml



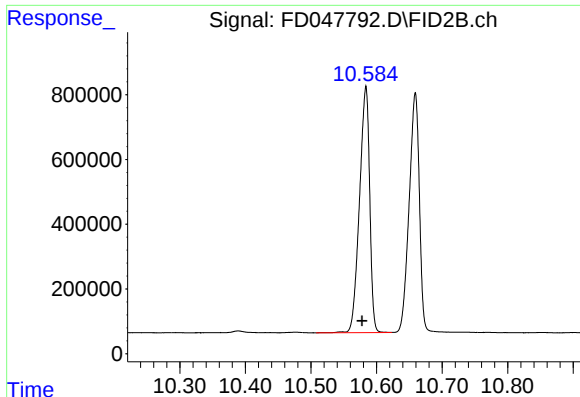
#7 Acenaphthene (C15.5)

R.T.: 8.413 min
Delta R.T.: 0.003 min
Response: 7938775
Conc: 47.23 ug/ml



#8 Fluorene (C16.55)

R.T.: 9.193 min
Delta R.T.: 0.004 min
Response: 8178648
Conc: 49.17 ug/ml



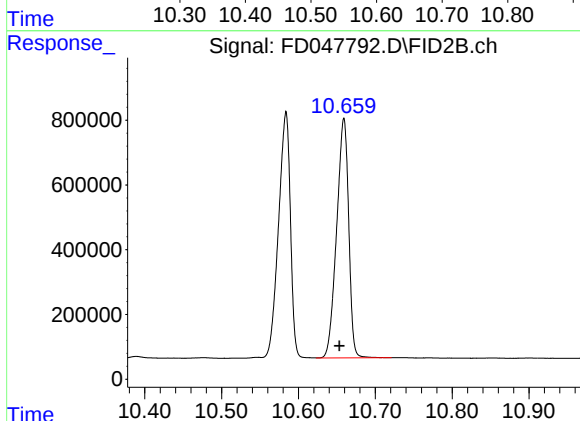
#9 Phenanthrene (C19.36)

R.T.: 10.583 min
Delta R.T.: 0.005 min
Response: 8194764
Conc: 50.05 ug/ml

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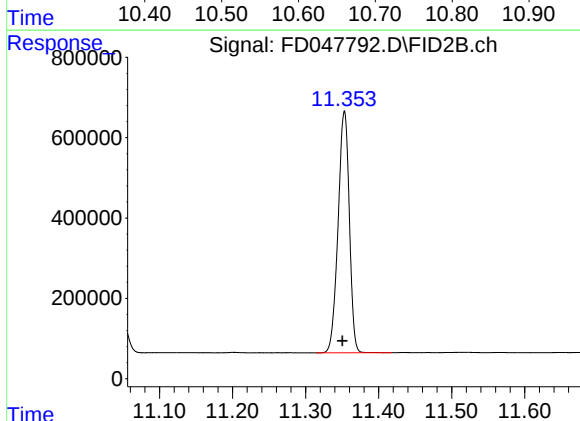
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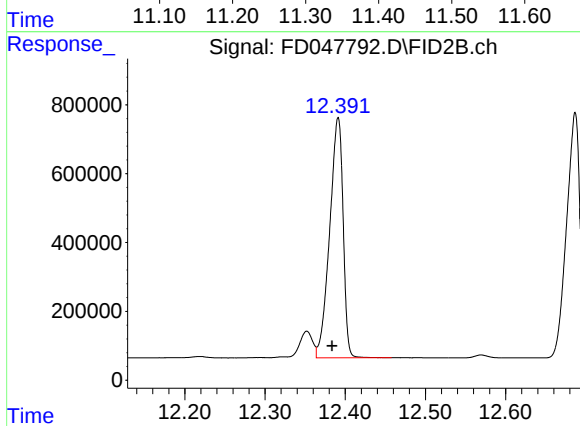
#10 Anthracene (C19.43)

R.T.: 10.659 min
Delta R.T.: 0.005 min
Response: 8039977
Conc: 53.68 ug/ml



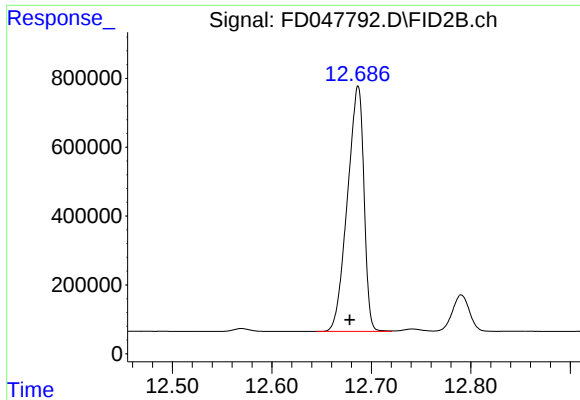
#11 ortho-Terphenyl (SURRE)

R.T.: 11.353 min
Delta R.T.: 0.003 min
Response: 6426709
Conc: 34.27 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.391 min
Delta R.T.: 0.007 min
Response: 8118989
Conc: 48.93 ug/ml



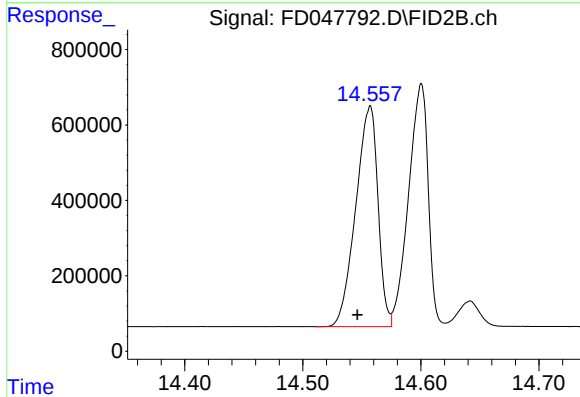
#13 Pyrene (C20.8)

R.T.: 12.686 min
Delta R.T.: 0.008 min
Response: 8238689
Conc: 50.63 ug/ml

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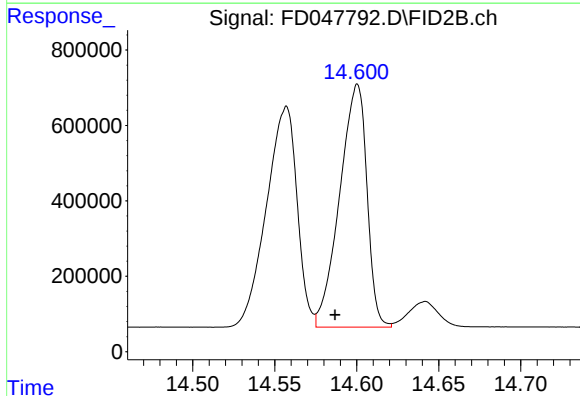
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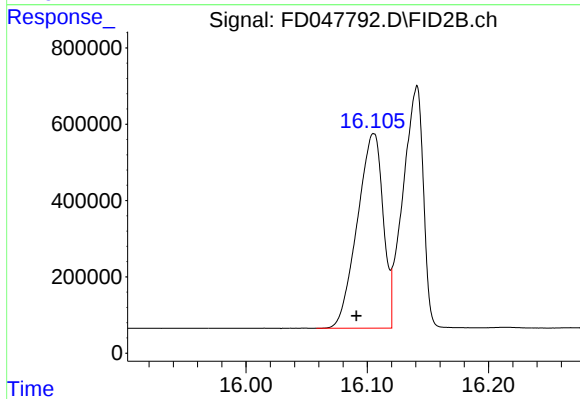
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.556 min
Delta R.T.: 0.010 min
Response: 7645292
Conc: 52.37 ug/ml



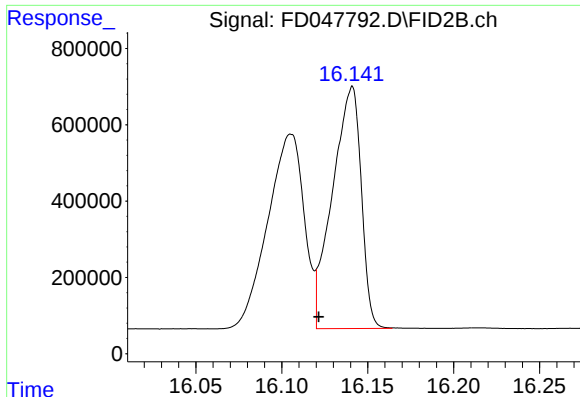
#15 Chrysene (C27.41)

R.T.: 14.600 min
Delta R.T.: 0.013 min
Response: 7457450
Conc: 47.32 ug/ml



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

R.T.: 16.105 min
Delta R.T.: 0.014 min
Response: 7540287
Conc: 50.48 ug/ml



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

R.T.: 16.141 min
Delta R.T.: 0.019 min
Response: 7351813
Conc: 48.83 ug/ml

Instrument :

FID_D

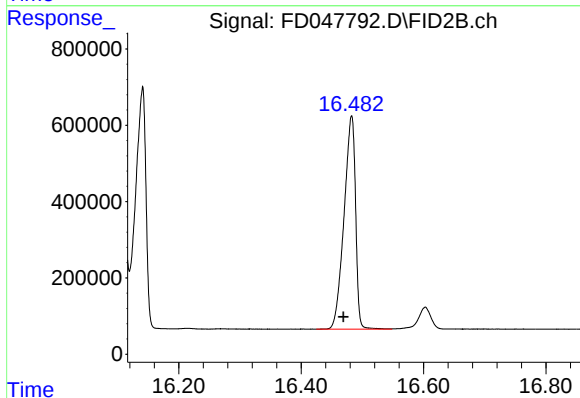
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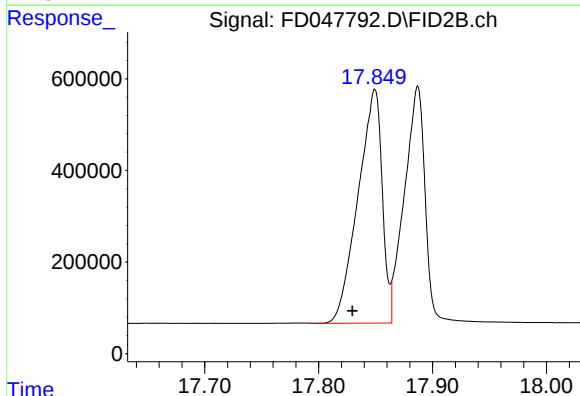
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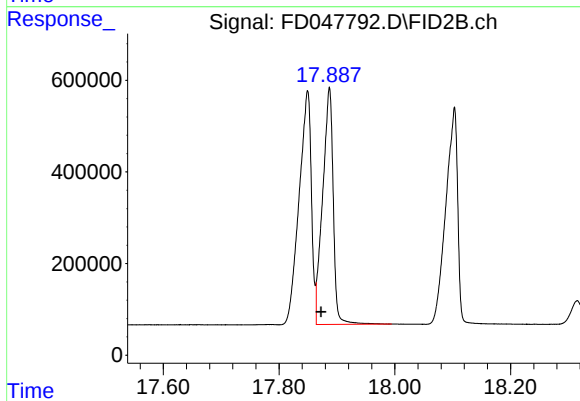
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.482 min
Delta R.T.: 0.013 min
Response: 7307979
Conc: 50.65 ug/ml



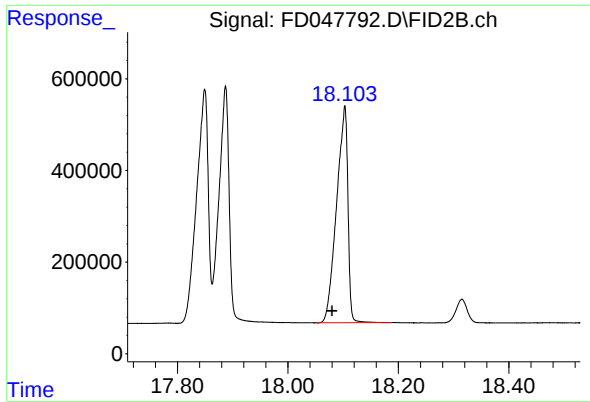
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.849 min
Delta R.T.: 0.019 min
Response: 7530692
Conc: 55.49 ug/ml



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

R.T.: 17.887 min
Delta R.T.: 0.014 min
Response: 6560408
Conc: 45.82 ug/ml



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

R.T.: 18.102 min
Delta R.T.: 0.022 min
Response: 6730046
Conc: 49.02 ug/ml

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