

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD051024AR\
 Data File : FD047703.D
 Signal(s) : FID2B.ch
 Acq On : 10 May 2024 15:08
 Operator : YP/AJ
 Sample : PB160813BSD
 Misc :
 ALS Vial : 70 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 PB160813BSD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 05/13/2024
 Supervised By :Ankita Jodhani 05/13/2024

Integration File: autoint1.e
 Quant Time: May 11 00:55:30 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

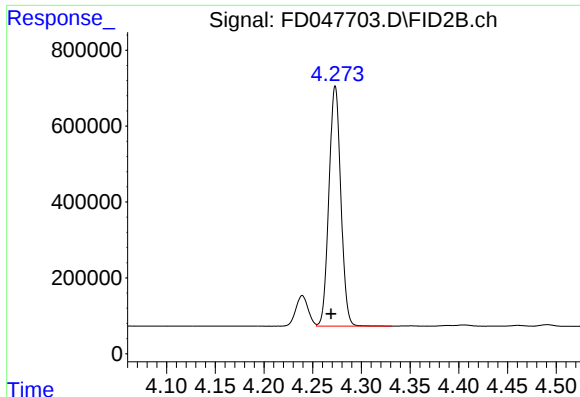
Volume Inj. : 1 µl
 Signal Phase : Rxi-1ms
 Signal Info : 20M x 0.18mm x 0.18µm

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.462	7068479	45.071 ug/ml
Spiked Amount 50.000		Recovery =	90.14%
6) S 2-Fluorobiphenyl (SURR)	8.316	4281108	40.927 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	81.85%
11) S ortho-Terphenyl (SURR)	11.357	6327754	33.742 ug/ml
Spiked Amount 50.000		Recovery =	67.48%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.273	5381084	33.282 ug/ml
2) T Naphthalene (C11.7)	5.799	6318201	37.340 ug/ml
3) T 2-Methylnaphthalene (...)	6.849	6495433	38.132 ug/ml
5) T Acenaphthylene (C15.06)	8.120	6886923	42.229 ug/ml
7) T Acenaphthene (C15.5)	8.416	6757033	40.197 ug/ml
8) T Flouorene (C16.55)	9.195	7043466	42.343 ug/ml
9) T Phenanthrene (C19.36)	10.586	7243759	44.245 ug/ml
10) T Anthracene (C19.43)	10.662	7172971	47.888 ug/ml
12) T Fluoranthene (C21.85)	12.394	7410374	44.659 ug/ml
13) T Pyrene (C20.8)	12.689	7520085	46.218 ug/ml
14) T Benzo[a]anthracene (C...	14.561	6972078	47.763 ug/ml
15) T Chrysene (C27.41)	14.603	6934893	44.007 ug/ml
16) T benzo[b]fluoranthene ...	16.108	6720634	44.997 ug/ml
17) T Bnezo[k]fluoranthene ...	16.144	6647242	44.153 ug/mlm
18) T Benzo[a]pyrene (C31.34)	16.485	6495176	45.014 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.851	6684388	49.252 ug/ml
20) T Dibenz[a,h]anthracene...	17.891	6333960	44.239 ug/ml
21) T Benzo[g,h,i]perylene ...	18.104	6145667	44.762 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.



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

R.T.: 4.273 min
Delta R.T.: 0.004 min
Response: 5381084
Conc: 33.28 ug/ml

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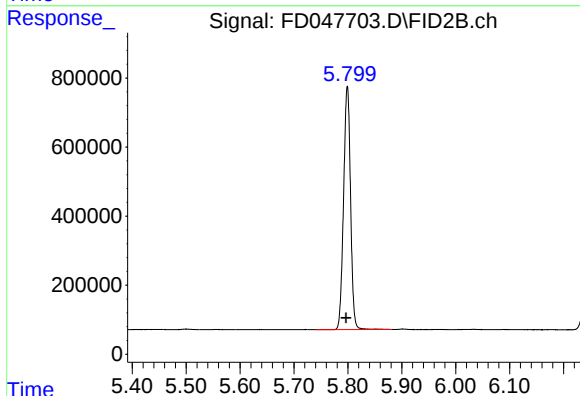
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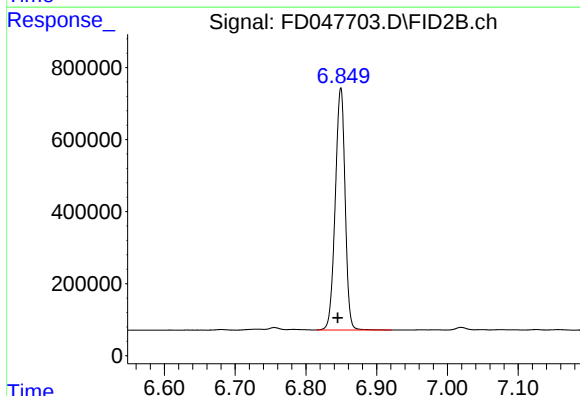
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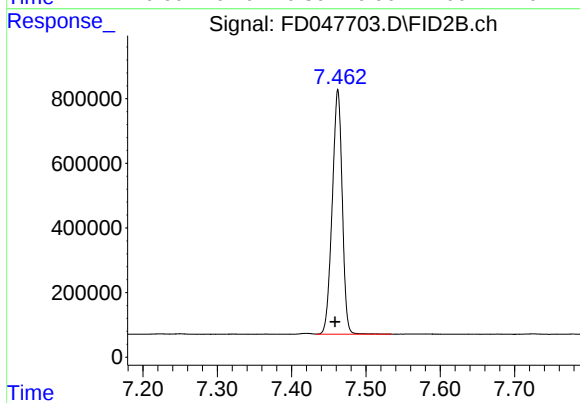
#2 Naphthalene (C11.7)

R.T.: 5.799 min
Delta R.T.: 0.002 min
Response: 6318201
Conc: 37.34 ug/ml



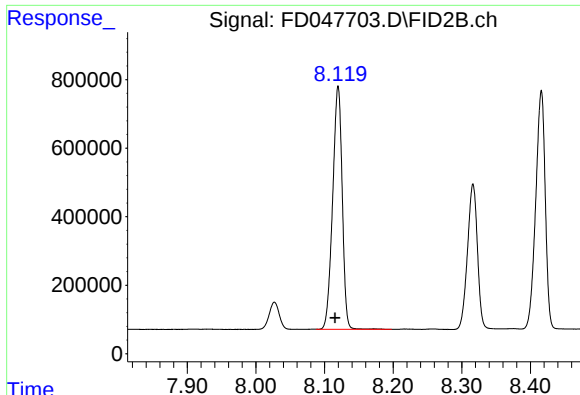
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.849 min
Delta R.T.: 0.004 min
Response: 6495433
Conc: 38.13 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.462 min
Delta R.T.: 0.004 min
Response: 7068479
Conc: 45.07 ug/ml



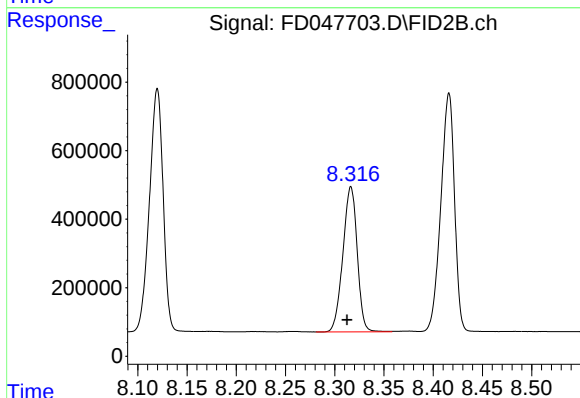
#5 Acenaphthylene (C15.06)

R.T.: 8.120 min
Delta R.T.: 0.004 min
Response: 6886923
Conc: 42.23 ug/ml

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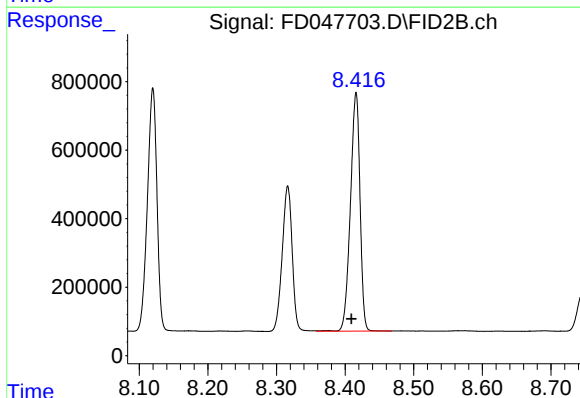
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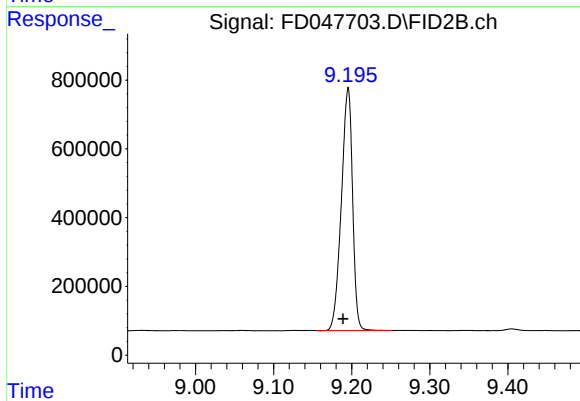
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.316 min
Delta R.T.: 0.004 min
Response: 4281108
Conc: 40.93 ug/ml



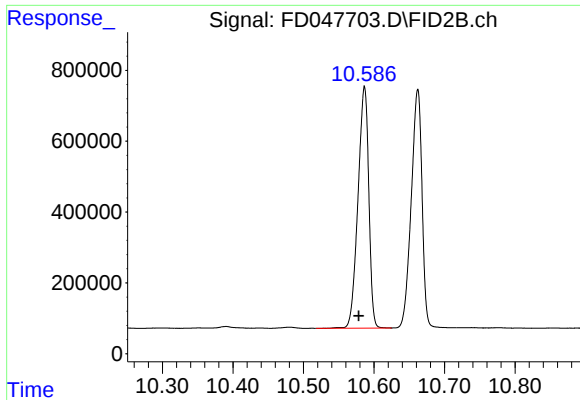
#7 Acenaphthene (C15.5)

R.T.: 8.416 min
Delta R.T.: 0.006 min
Response: 6757033
Conc: 40.20 ug/ml



#8 Fluorene (C16.55)

R.T.: 9.195 min
Delta R.T.: 0.006 min
Response: 7043466
Conc: 42.34 ug/ml



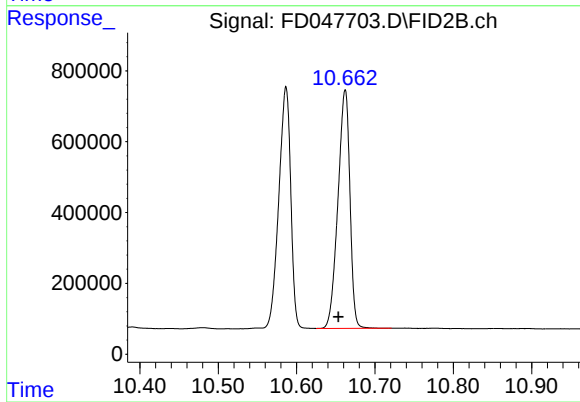
#9 Phenanthrene (C19.36)

R.T.: 10.586 min
Delta R.T.: 0.008 min
Response: 7243759
Conc: 44.25 ug/ml

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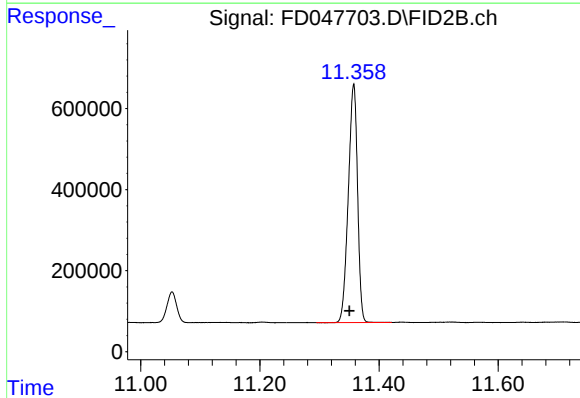
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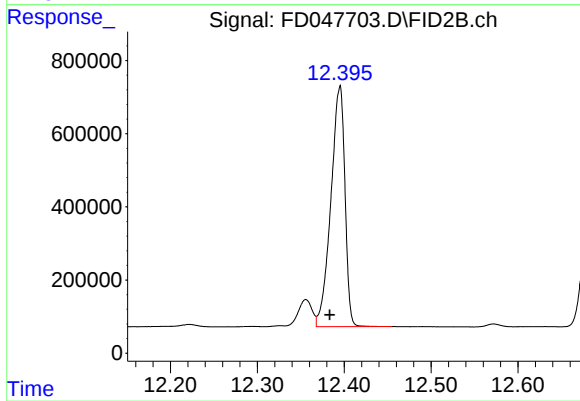
#10 Anthracene (C19.43)

R.T.: 10.662 min
Delta R.T.: 0.008 min
Response: 7172971
Conc: 47.89 ug/ml



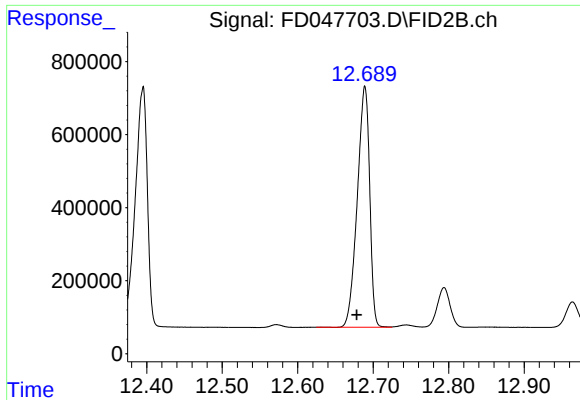
#11 ortho-Terphenyl (SURR)

R.T.: 11.357 min
Delta R.T.: 0.007 min
Response: 6327754
Conc: 33.74 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.394 min
Delta R.T.: 0.011 min
Response: 7410374
Conc: 44.66 ug/ml



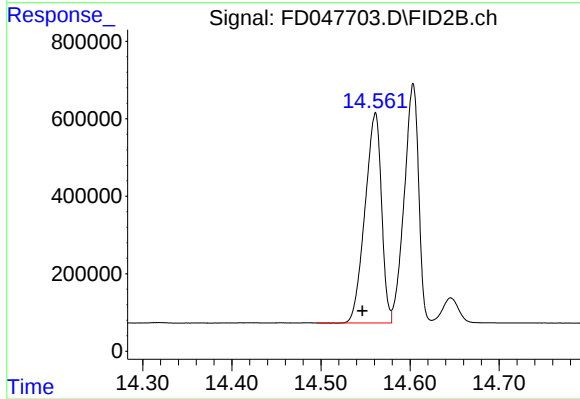
#13 Pyrene (C20.8)

R.T.: 12.689 min
Delta R.T.: 0.010 min
Response: 7520085
Conc: 46.22 ug/ml

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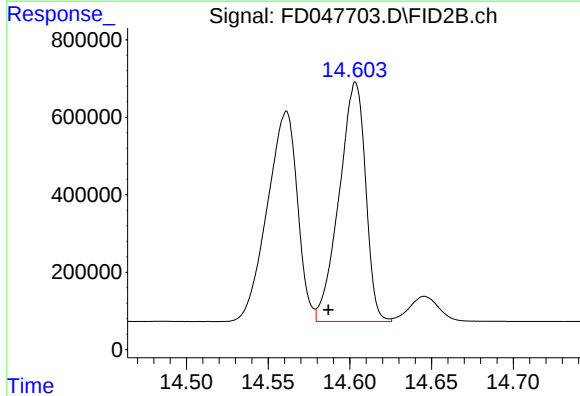
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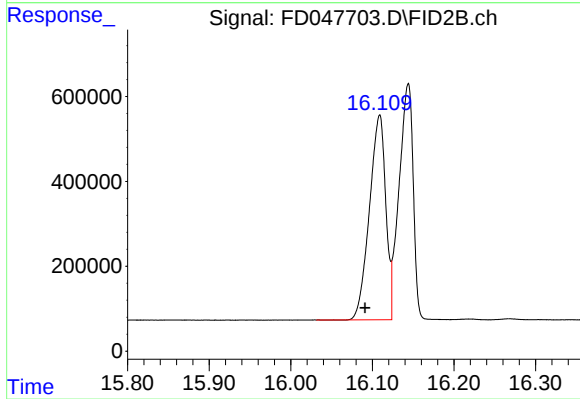
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.561 min
Delta R.T.: 0.014 min
Response: 6972078
Conc: 47.76 ug/ml



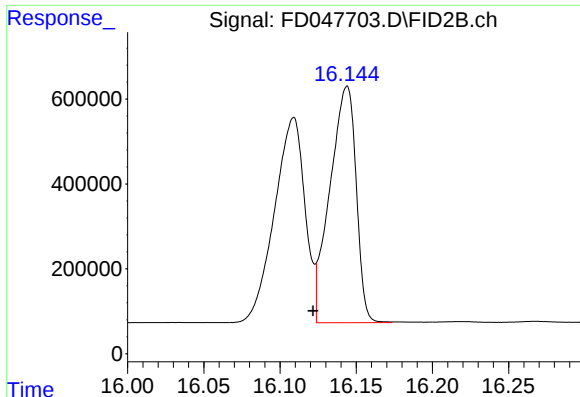
#15 Chrysene (C27.41)

R.T.: 14.603 min
Delta R.T.: 0.016 min
Response: 6934893
Conc: 44.01 ug/ml



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

R.T.: 16.108 min
Delta R.T.: 0.017 min
Response: 6720634
Conc: 45.00 ug/ml



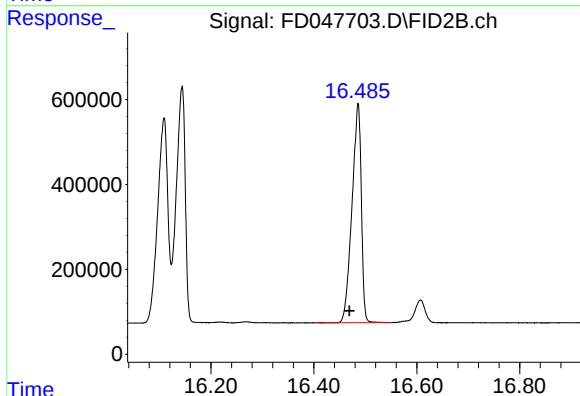
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.144 min
Delta R.T.: 0.022 min
Response: 6647242
Conc: 44.15 ug/ml

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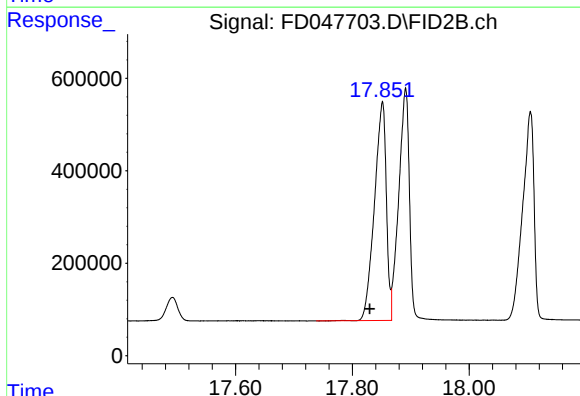
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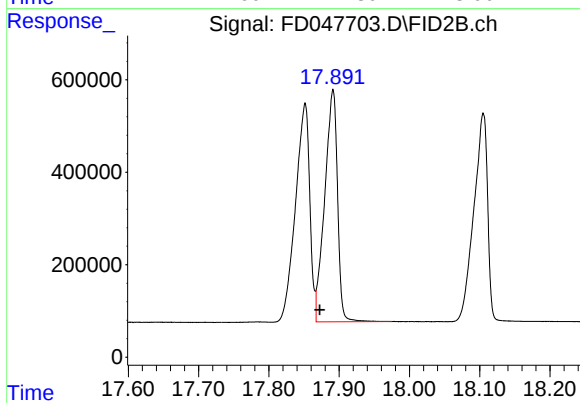
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.485 min
Delta R.T.: 0.016 min
Response: 6495176
Conc: 45.01 ug/ml



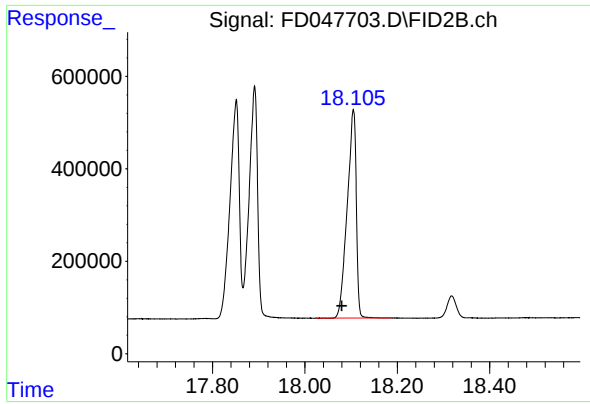
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.851 min
Delta R.T.: 0.021 min
Response: 6684388
Conc: 49.25 ug/ml



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

R.T.: 17.891 min
Delta R.T.: 0.018 min
Response: 6333960
Conc: 44.24 ug/ml



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

R.T.: 18.104 min
Delta R.T.: 0.025 min
Response: 6145667
Conc: 44.76 ug/ml

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