

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD102023AR\
 Data File : FD046770.D
 Signal(s) : FID2B.ch
 Acq On : 20 Oct 2023 13:59
 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 10/23/2023
 Supervised By :Ankita Jodhani 10/23/2023

Integration File: autoint1.e
 Quant Time: Oct 21 00:39:21 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 101023.M
 Quant Title : GC Extractables
 QLast Update : Wed Oct 11 02:49:06 2023
 Response via : Initial Calibration
 Integrator: ChemStation

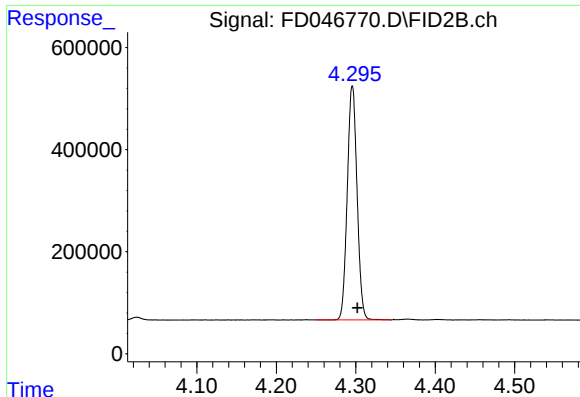
Volume Inj. : 1 µl
 Signal Phase : Rxi-1ms
 Signal Info : 20M x 0.18mm x 0.18µm

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.484	3757986	20.244 ug/ml
Spiked Amount 50.000		Recovery =	40.49%
6) S 2-Fluorobiphenyl (SURR)	8.338	2458511	20.291 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	40.58%
11) S ortho-Terphenyl (SURR)	11.376	4374867	20.221 ug/ml
Spiked Amount 50.000		Recovery =	40.44%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.296	3927093	20.224 ug/ml
2) T Naphthalene (C11.7)	5.822	4105839	20.295 ug/ml
3) T 2-Methylnaphthalene (...)	6.872	4133228	20.235 ug/ml
5) T Acenaphthylene (C15.06)	8.141	3604633	19.527 ug/ml
7) T Acenaphthene (C15.5)	8.436	4009135	20.168 ug/ml
8) T Flouorene (C16.55)	9.215	3854572	20.250 ug/ml
9) T Phenanthrene (C19.36)	10.604	3678735	19.958 ug/ml
10) T Anthracene (C19.43)	10.677	2332460	17.841 ug/ml
12) T Fluoranthene (C21.85)	12.407	3614513	19.839 ug/ml
13) T Pyrene (C20.8)	12.701	3446898	19.656 ug/ml
14) T Benzo[a]anthracene (C...	14.565	2838387	19.382 ug/ml
15) T Chrysene (C27.41)	14.607	3333350	20.718 ug/ml
16) T benzo[b]fluoranthene ...	16.107	2944699	19.707 ug/ml
17) T Bnezo[k]fluoranthene ...	16.139	3194993	21.239 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.480	2575341	18.211 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.840	2727802	20.121 ug/mlm
20) T Dibenz[a,h]anthracene...	17.881	3209215	22.713 ug/mlm
21) T Benzo[g,h,i]perylene ...	18.091	2869108	20.396 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.



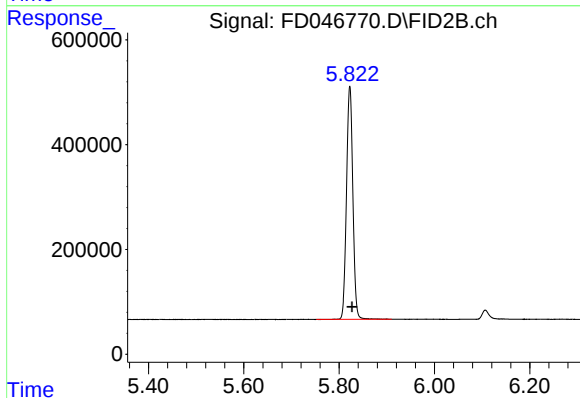
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.296 min
Delta R.T.: -0.006 min
Response: 3927093
Conc: 20.22 ug/ml

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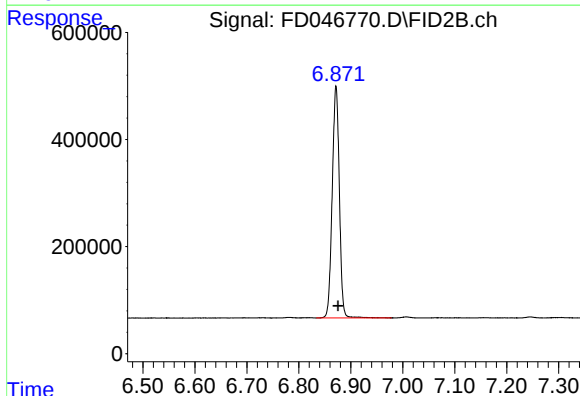
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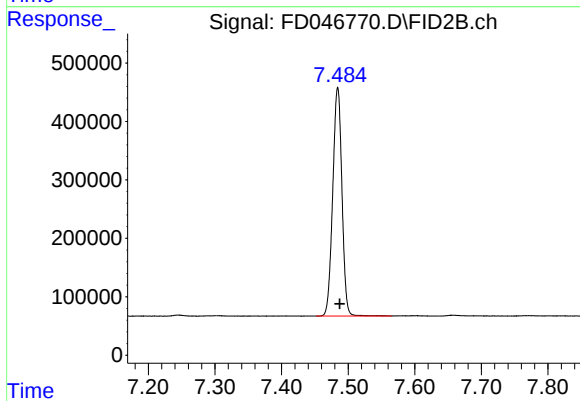
#2 Naphthalene (C11.7)

R.T.: 5.822 min
Delta R.T.: -0.005 min
Response: 4105839
Conc: 20.30 ug/ml



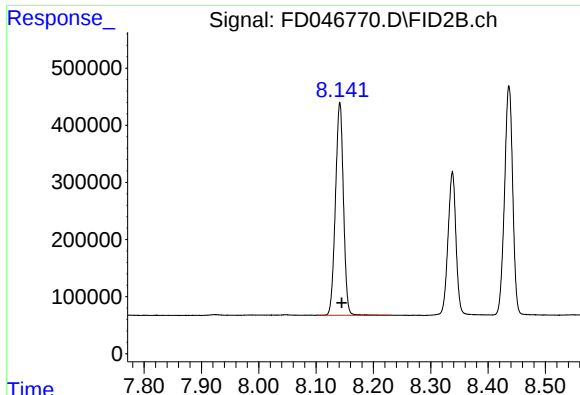
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.872 min
Delta R.T.: -0.004 min
Response: 4133228
Conc: 20.23 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.484 min
Delta R.T.: -0.003 min
Response: 3757986
Conc: 20.24 ug/ml



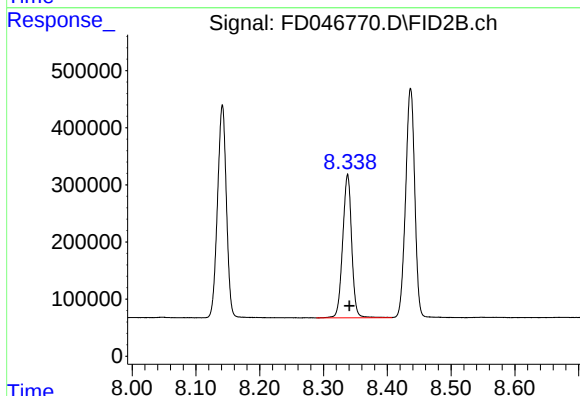
#5 Acenaphthylene (C15.06)

R.T.: 8.141 min
Delta R.T.: -0.003 min
Response: 3604633
Conc: 19.53 ug/ml

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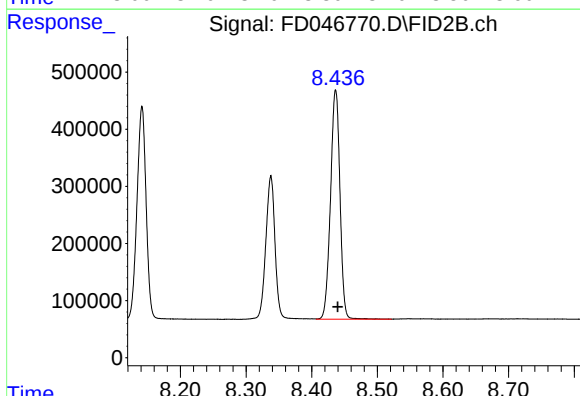
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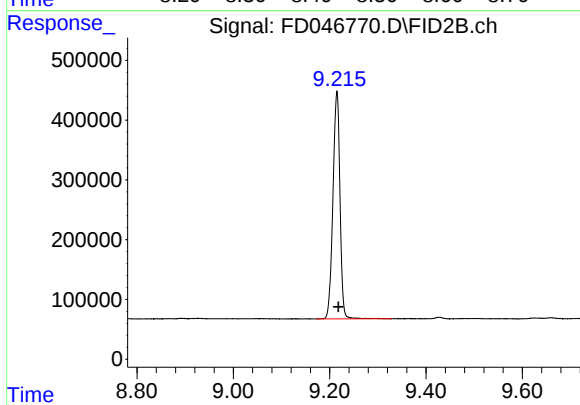
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.338 min
Delta R.T.: -0.003 min
Response: 2458511
Conc: 20.29 ug/ml



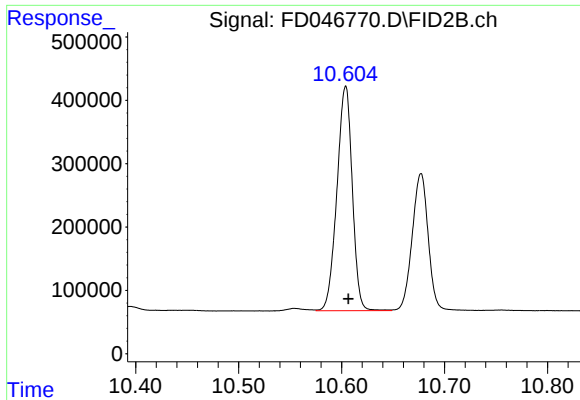
#7 Acenaphthene (C15.5)

R.T.: 8.436 min
Delta R.T.: -0.004 min
Response: 4009135
Conc: 20.17 ug/ml



#8 Fluorene (C16.55)

R.T.: 9.215 min
Delta R.T.: -0.003 min
Response: 3854572
Conc: 20.25 ug/ml



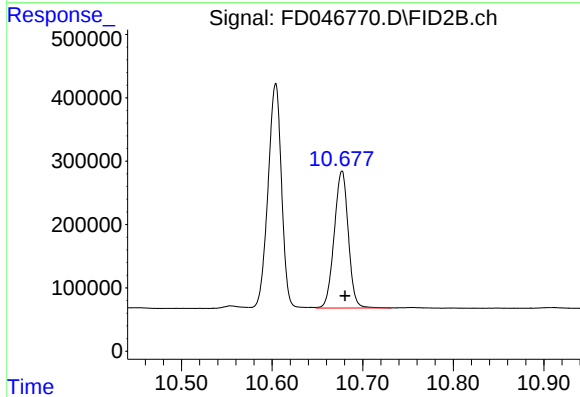
#9 Phenanthrene (C19.36)

R.T.: 10.604 min
Delta R.T.: -0.003 min
Response: 3678735
Conc: 19.96 ug/ml

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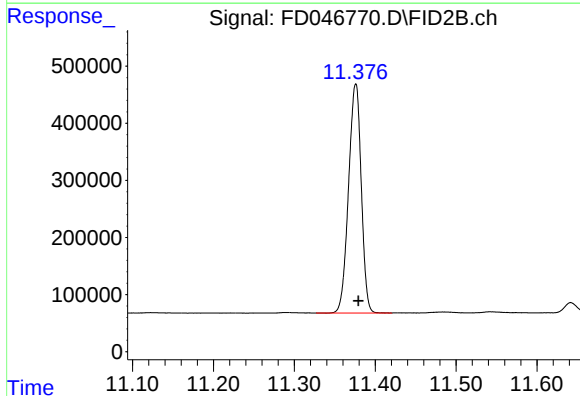
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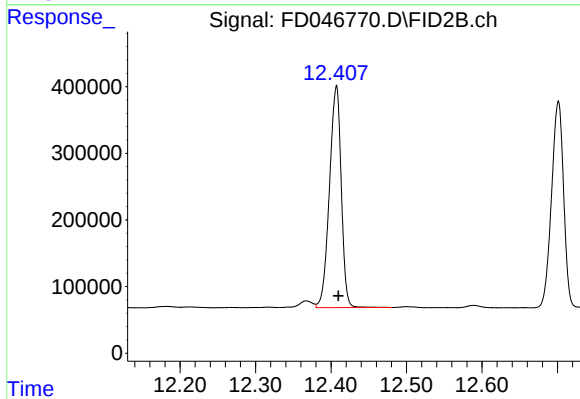
#10 Anthracene (C19.43)

R.T.: 10.677 min
Delta R.T.: -0.003 min
Response: 2332460
Conc: 17.84 ug/ml



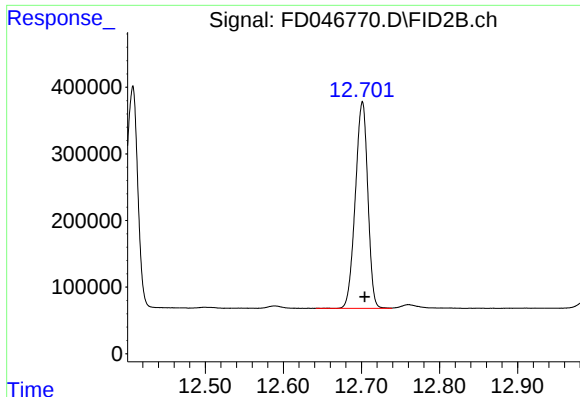
#11 ortho-Terphenyl (SURR)

R.T.: 11.376 min
Delta R.T.: -0.004 min
Response: 4374867
Conc: 20.22 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.407 min
Delta R.T.: -0.003 min
Response: 3614513
Conc: 19.84 ug/ml



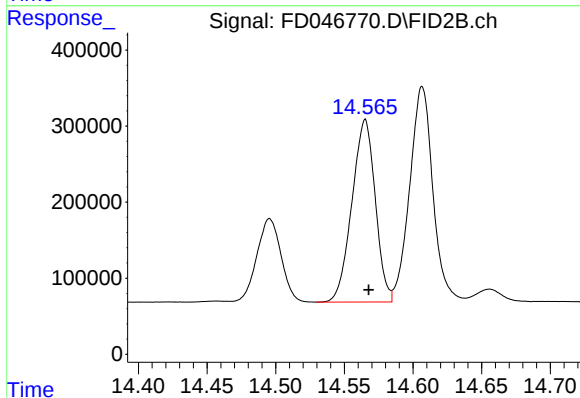
#13 Pyrene (C20.8)

R.T.: 12.701 min
Delta R.T.: -0.003 min
Response: 3446898
Conc: 19.66 ug/ml

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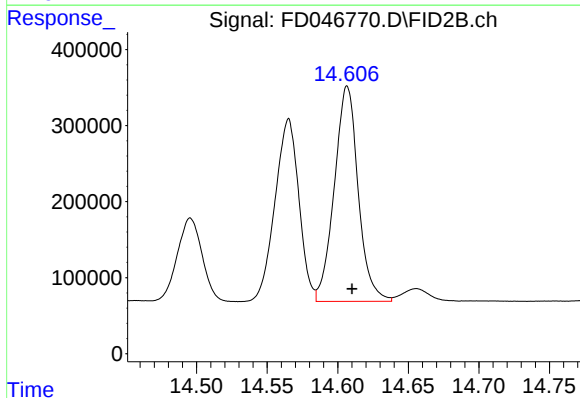
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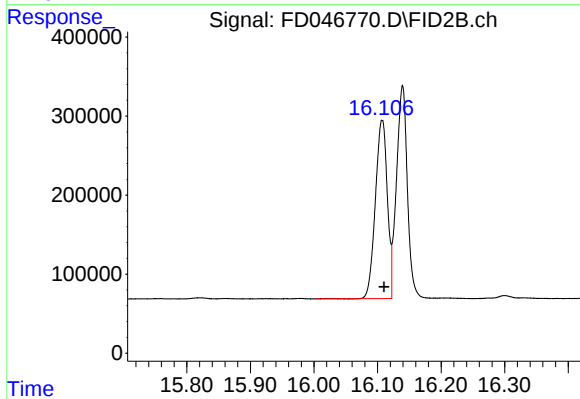
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.565 min
Delta R.T.: -0.003 min
Response: 2838387
Conc: 19.38 ug/ml



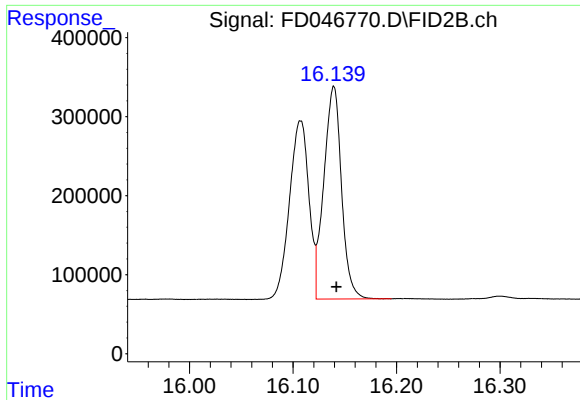
#15 Chrysene (C27.41)

R.T.: 14.607 min
Delta R.T.: -0.003 min
Response: 3333350
Conc: 20.72 ug/ml



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

R.T.: 16.107 min
Delta R.T.: -0.003 min
Response: 2944699
Conc: 19.71 ug/ml



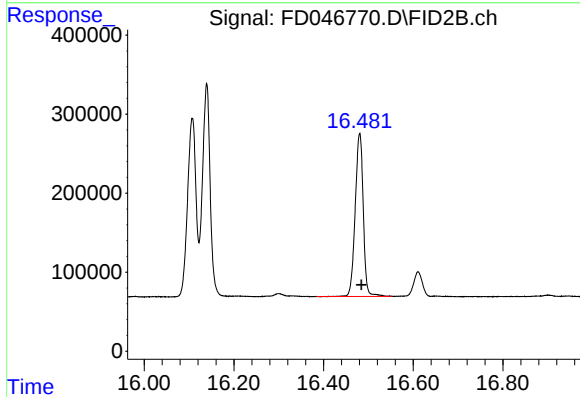
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.139 min
Delta R.T.: -0.003 min
Response: 3194993
Conc: 21.24 ug/ml

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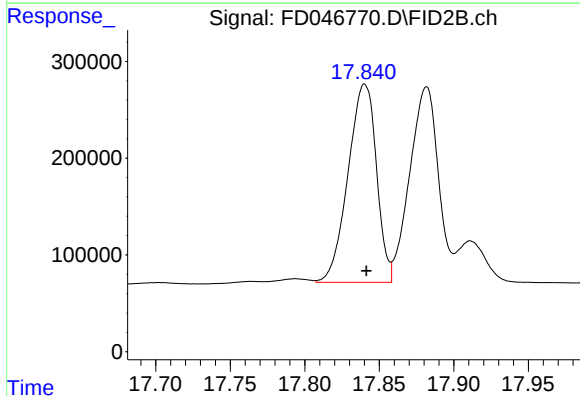
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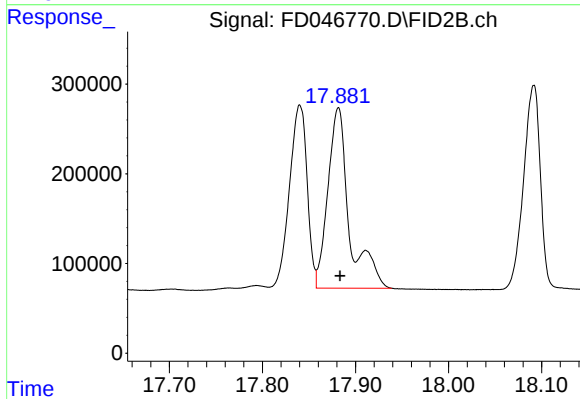
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.480 min
Delta R.T.: -0.004 min
Response: 2575341
Conc: 18.21 ug/ml



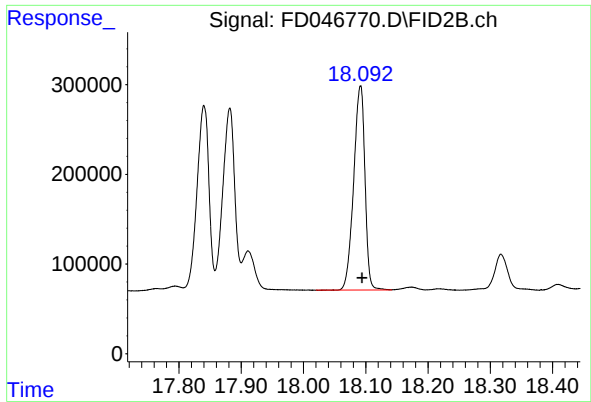
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.840 min
Delta R.T.: -0.002 min
Response: 2727802
Conc: 20.12 ug/ml m



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

R.T.: 17.881 min
Delta R.T.: -0.002 min
Response: 3209215
Conc: 22.71 ug/ml m



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

R.T.: 18.091 min
Delta R.T.: -0.003 min
Response: 2869108
Conc: 20.40 ug/ml

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