

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD112023AR\
 Data File : FD046903.D
 Signal(s) : FID2B.ch
 Acq On : 20 Nov 2023 15:24
 Operator : YP/AJ
 Sample : PB157238BS
 Misc :
 ALS Vial : 62 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 PB157238BS

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/21/2023
 Supervised By :Ankita Jodhani 11/21/2023

Integration File: autoint1.e
 Quant Time: Nov 21 00:13:36 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 102723.M
 Quant Title : GC Extractables
 QLast Update : Sat Oct 28 02:49:53 2023
 Response via : Initial Calibration
 Integrator: ChemStation

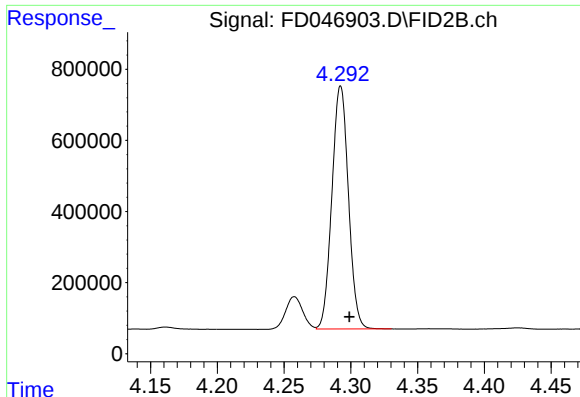
Volume Inj. : 1 µl
 Signal Phase : Rxi-1ms
 Signal Info : 20M x 0.18mm x 0.18µm

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.479	9108601	49.945 ug/ml
Spiked Amount 50.000		Recovery =	99.89%
6) S 2-Fluorobiphenyl (SURR)	8.332	5157089	43.822 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	87.64%
11) S ortho-Terphenyl (SURR)	11.371	9267000	43.763 ug/ml
Spiked Amount 50.000		Recovery =	87.53%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.292	5884575	30.470 ug/mlm
2) T Naphthalene (C11.7)	5.818	6979304	34.854 ug/ml
3) T 2-Methylnaphthalene (...)	6.866	7319309	36.417 ug/ml
5) T Acenaphthylene (C15.06)	8.136	7893229	42.915 ug/ml
7) T Acenaphthene (C15.5)	8.432	7882894	40.242 ug/ml
8) T Flouorene (C16.55)	9.211	8108777	43.839 ug/ml
9) T Phenanthrene (C19.36)	10.600	8109021	45.580 ug/ml
10) T Anthracene (C19.43)	10.675	7787047	45.694 ug/ml
12) T Fluoranthene (C21.85)	12.403	8324586	48.200 ug/ml
13) T Pyrene (C20.8)	12.698	8287473	49.841 ug/ml
14) T Benzo[a]anthracene (C...	14.561	7251085	51.539 ug/ml
15) T Chrysene (C27.41)	14.605	7282435	46.695 ug/ml
16) T benzo[b]fluoranthene ...	16.104	7170954	50.103 ug/ml
17) T Bnezo[k]fluoranthene ...	16.139	6925726	47.306 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.479	6595372	47.054 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.839	6556936	51.904 ug/ml
20) T Dibenz[a,h]anthracene...	17.877	5892786	42.181 ug/ml
21) T Benzo[g,h,i]perylene ...	18.091	6329524	45.332 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.



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

R.T.: 4.292 min
Delta R.T.: -0.007 min
Response: 5884575
Conc: 30.47 ug/ml

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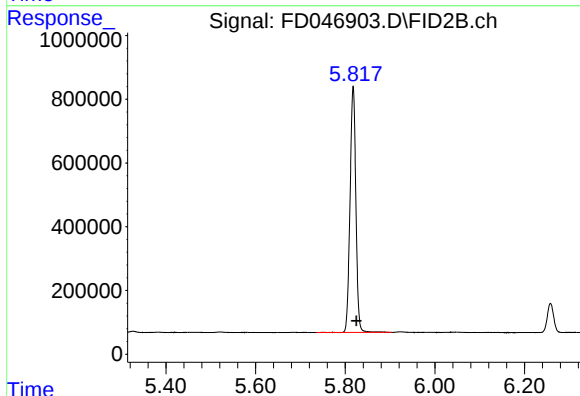
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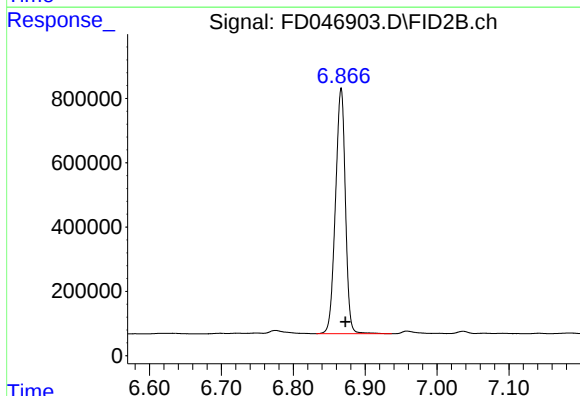
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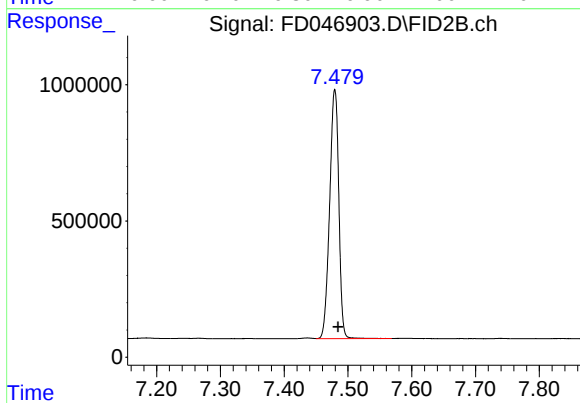
#2 Naphthalene (C11.7)

R.T.: 5.818 min
Delta R.T.: -0.007 min
Response: 6979304
Conc: 34.85 ug/ml



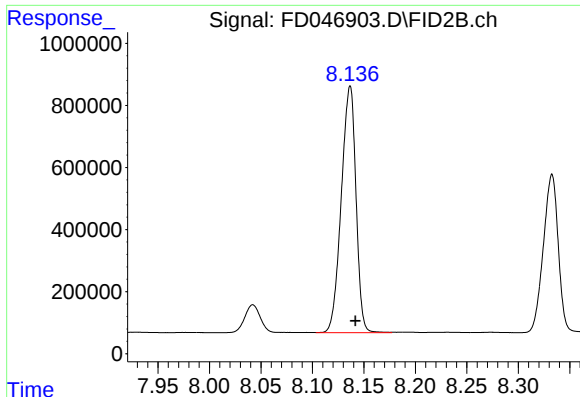
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.866 min
Delta R.T.: -0.006 min
Response: 7319309
Conc: 36.42 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.479 min
Delta R.T.: -0.005 min
Response: 9108601
Conc: 49.94 ug/ml



#5 Acenaphthylene (C15.06)

R.T.: 8.136 min
Delta R.T.: -0.005 min
Response: 7893229
Conc: 42.91 ug/ml

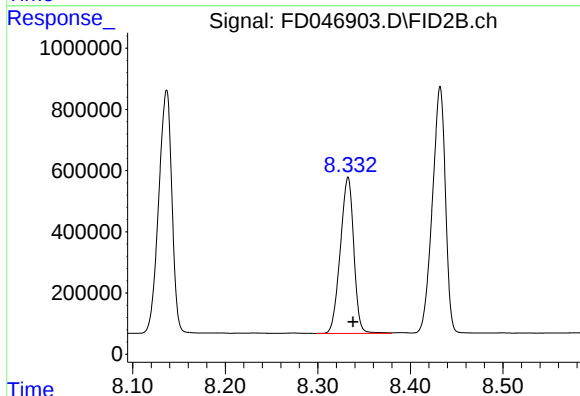
Instrument :

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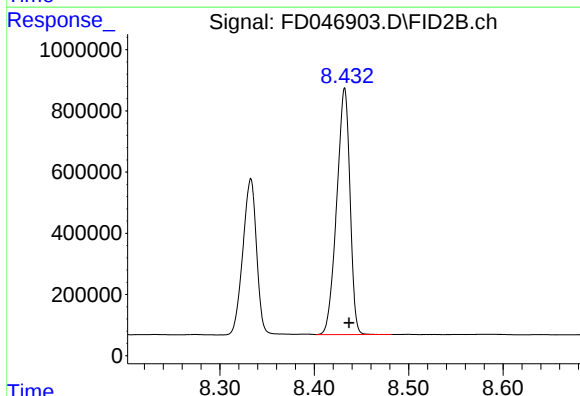
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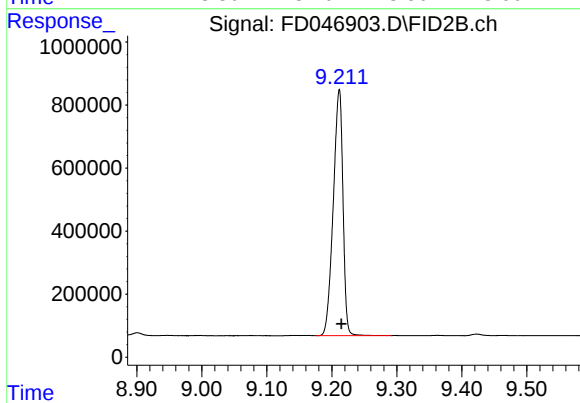
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.332 min
Delta R.T.: -0.006 min
Response: 5157089
Conc: 43.82 ug/ml



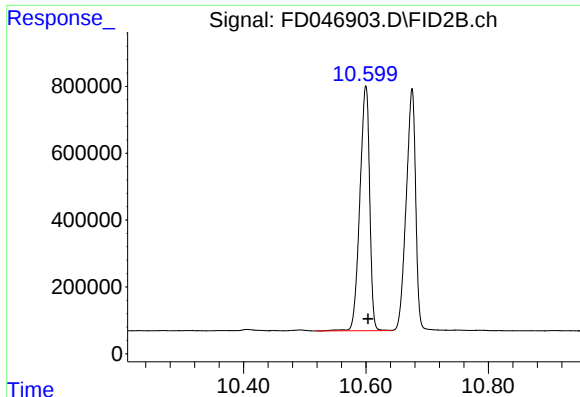
#7 Acenaphthene (C15.5)

R.T.: 8.432 min
Delta R.T.: -0.005 min
Response: 7882894
Conc: 40.24 ug/ml



#8 Fluorene (C16.55)

R.T.: 9.211 min
Delta R.T.: -0.004 min
Response: 8108777
Conc: 43.84 ug/ml



#9 Phenanthrene (C19.36)

R.T.: 10.600 min
Delta R.T.: -0.004 min
Response: 8109021
Conc: 45.58 ug/ml

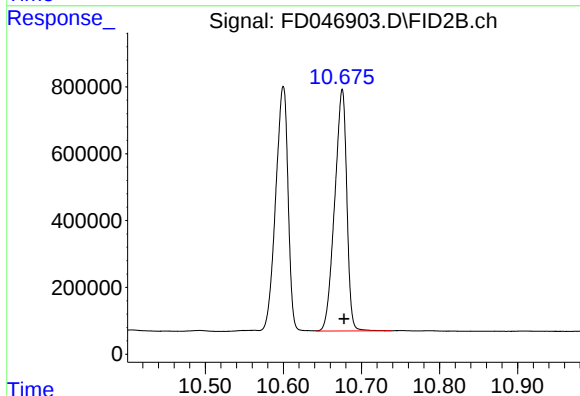
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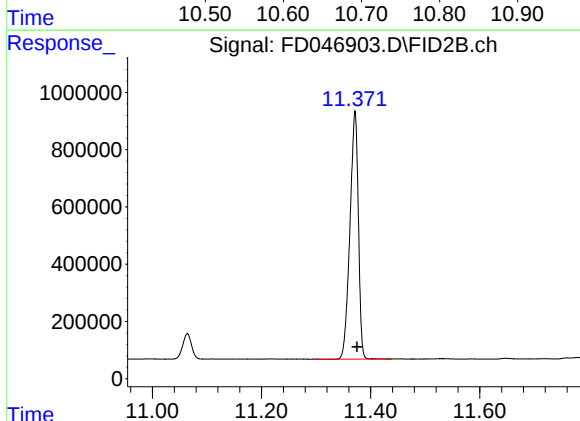
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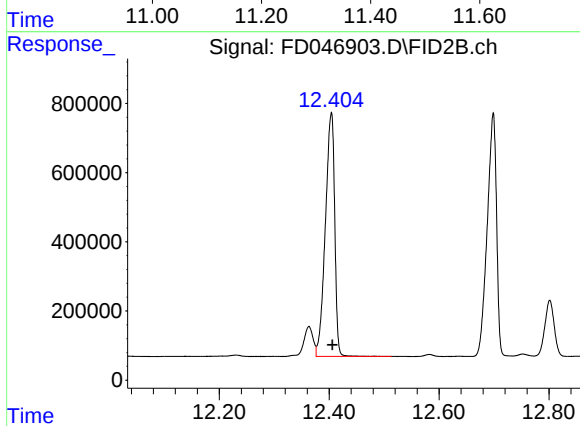
#10 Anthracene (C19.43)

R.T.: 10.675 min
Delta R.T.: -0.003 min
Response: 7787047
Conc: 45.69 ug/ml



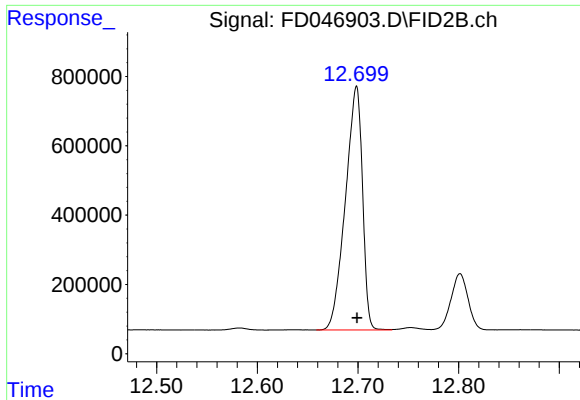
#11 ortho-Terphenyl (SURR)

R.T.: 11.371 min
Delta R.T.: -0.004 min
Response: 9267000
Conc: 43.76 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.403 min
Delta R.T.: -0.002 min
Response: 8324586
Conc: 48.20 ug/ml



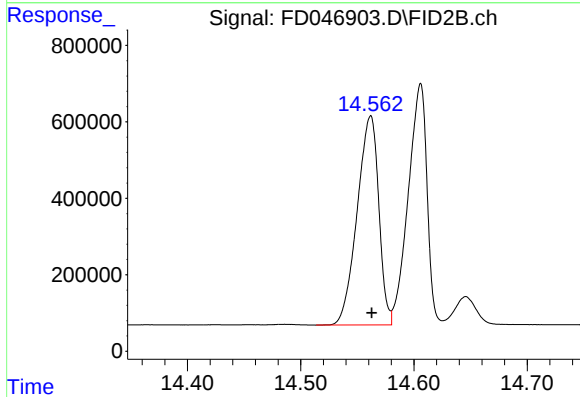
#13 Pyrene (C20.8)

R.T.: 12.698 min
Delta R.T.: -0.001 min
Response: 8287473
Conc: 49.84 ug/ml

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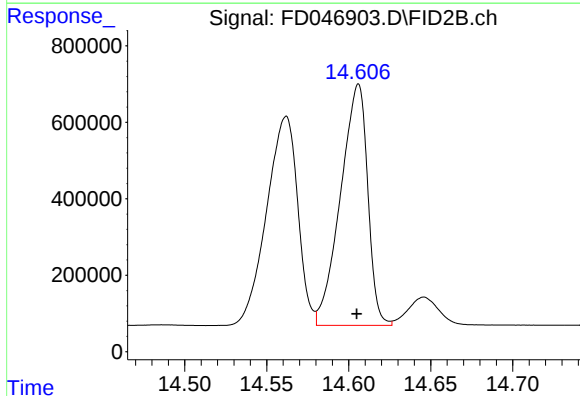
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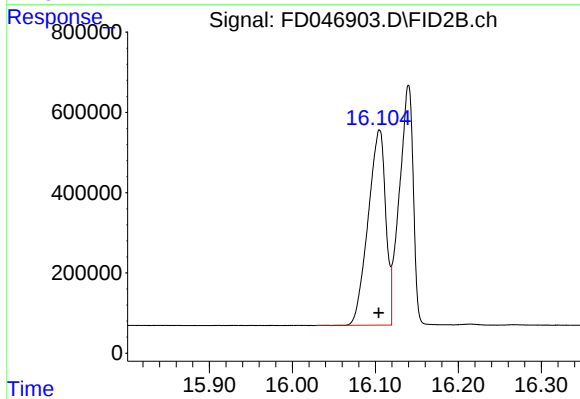
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.561 min
Delta R.T.: -0.001 min
Response: 7251085
Conc: 51.54 ug/ml



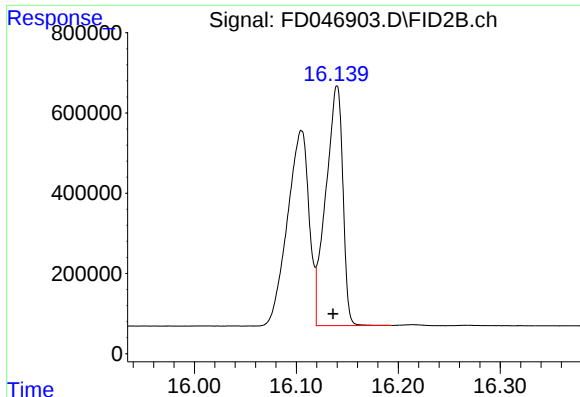
#15 Chrysene (C27.41)

R.T.: 14.605 min
Delta R.T.: 0.000 min
Response: 7282435
Conc: 46.70 ug/ml



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

R.T.: 16.104 min
Delta R.T.: 0.000 min
Response: 7170954
Conc: 50.10 ug/ml



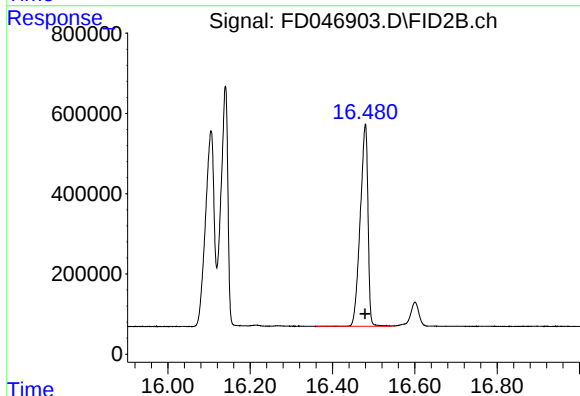
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.139 min
Delta R.T.: 0.004 min
Response: 6925726
Conc: 47.31 ug/ml

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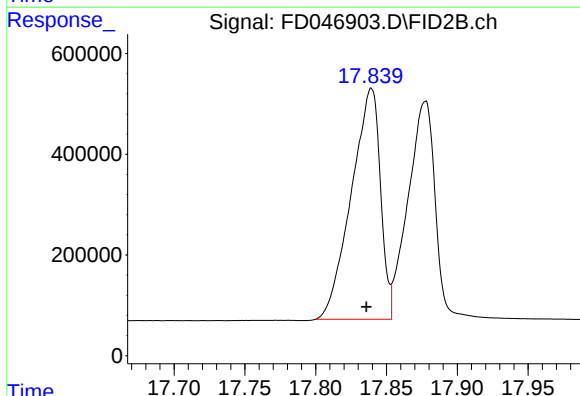
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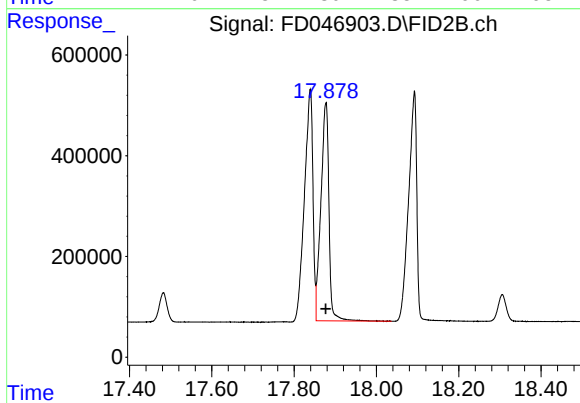
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.479 min
Delta R.T.: 0.000 min
Response: 6595372
Conc: 47.05 ug/ml



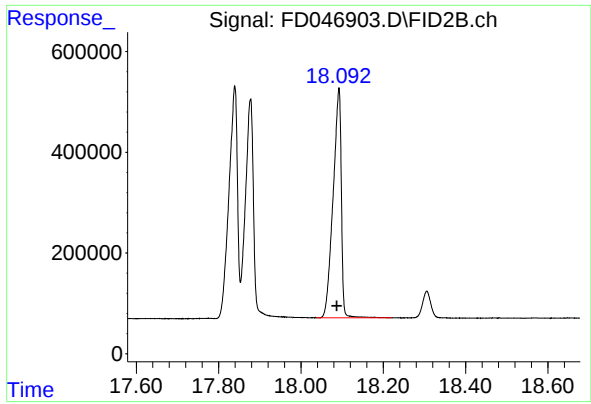
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.839 min
Delta R.T.: 0.003 min
Response: 6556936
Conc: 51.90 ug/ml



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

R.T.: 17.877 min
Delta R.T.: 0.000 min
Response: 5892786
Conc: 42.18 ug/ml



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

R.T.: 18.091 min
Delta R.T.: 0.004 min
Response: 6329524
Conc: 45.33 ug/ml

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