

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD122422AR\
 Data File : FD044714.D
 Signal(s) : FID2B.ch
 Acq On : 24 Dec 2022 12:55
 Operator : YP/AJ
 Sample : 5 PPM AROMATIC HC STD5
 Misc :
 ALS Vial : 77 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 5 PPM AROMATIC HC STD5

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 12/27/2022
 Supervised By :Ankita Jodhani 12/27/2022

Integration File: autoint1.e
 Quant Time: Dec 25 16:33:49 2022
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 122422.M
 Quant Title : GC Extractables
 QLast Update : Sun Dec 25 16:32:43 2022
 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...	7.661	797215	5.749 ug/ml
Spiked Amount 50.000		Recovery =	11.50%
6) S 2-Fluorobiphenyl (SURR)	8.517	538645	5.785 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	11.57%
11) S ortho-Terphenyl (SURR)	11.545	999777	5.775 ug/ml
Spiked Amount 50.000		Recovery =	11.55%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.480	893560	5.747 ug/ml
2) T Naphthalene (C11.7)	6.009	934051	5.776 ug/ml
3) T 2-Methylnaphthalene (...)	7.053	929515	5.769 ug/ml
5) T Acenaphthylene (C15.06)	8.322	843354	5.704 ug/ml
7) T Acenaphthene (C15.5)	8.615	898425	5.756 ug/ml
8) T Fluorene (C16.55)	9.391	878757	5.705 ug/ml
9) T Phenanthrene (C19.36)	10.779	877419	5.802 ug/ml
10) T Anthracene (C19.43)	10.852	752146	5.232 ug/ml
12) T Fluoranthene (C21.85)	12.581	883664	5.880 ug/ml
13) T Pyrene (C20.8)	12.875	851946	5.787 ug/ml
14) T Benzo[a]anthracene (C...	14.735	792370	5.689 ug/ml
15) T Chrysene (C27.41)	14.776	846820	5.811 ug/mlm
16) T benzo[b]fluoranthene ...	16.274	823831	5.699 ug/ml
17) T Bnezo[k]fluoranthene ...	16.305	848354	5.909 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.649	789810	5.571 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.003	768290	5.716 ug/ml
20) T Dibenz[a,h]anthracene...	18.045	828319	5.993 ug/ml
21) T Benzo[g,h,i]perylene ...	18.254	773771	5.661 ug/ml

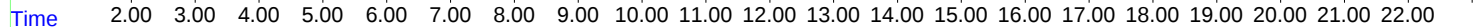
(f)=RT Delta > 1/2 Window

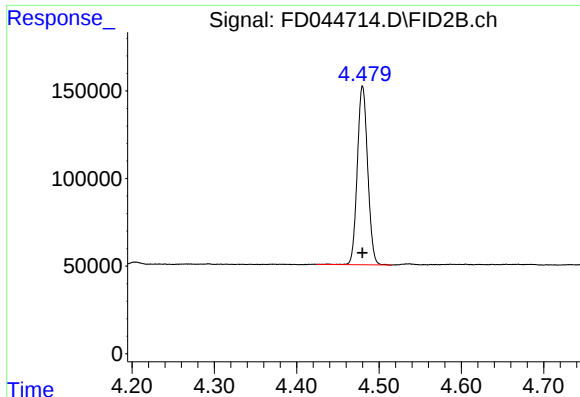
(m)=manual int.

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5 PPM AROMATIC HC STD5

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





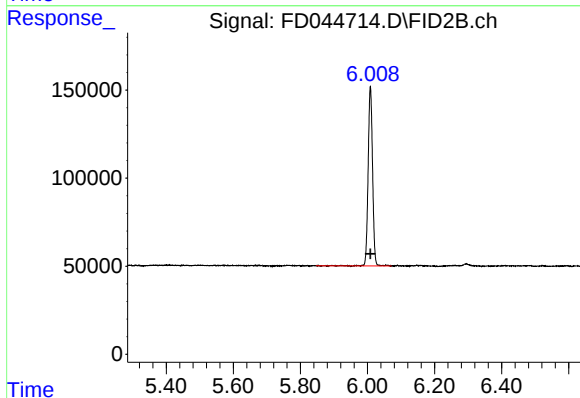
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.480 min
Delta R.T.: 0.000 min
Response: 893560
Conc: 5.75 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5

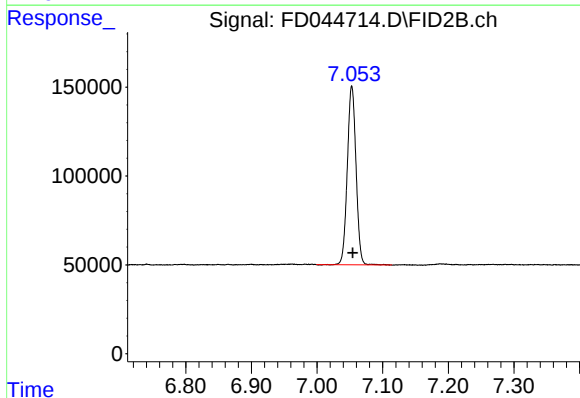
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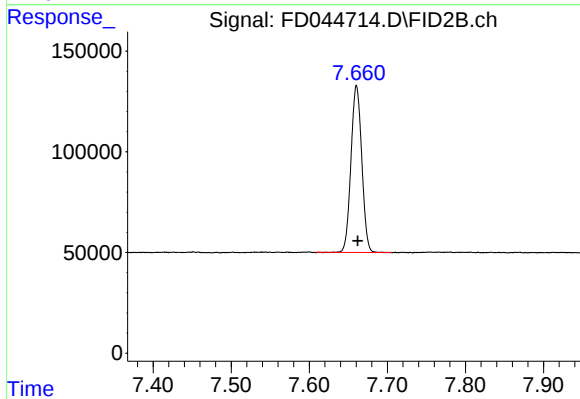
#2 Naphthalene (C11.7)

R.T.: 6.009 min
Delta R.T.: 0.000 min
Response: 934051
Conc: 5.78 ug/ml



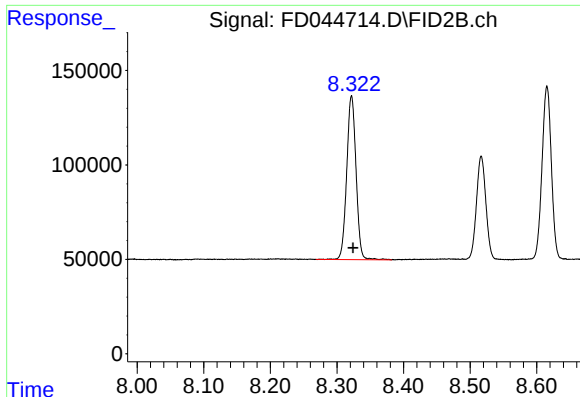
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.053 min
Delta R.T.: -0.001 min
Response: 929515
Conc: 5.77 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.661 min
Delta R.T.: -0.002 min
Response: 797215
Conc: 5.75 ug/ml



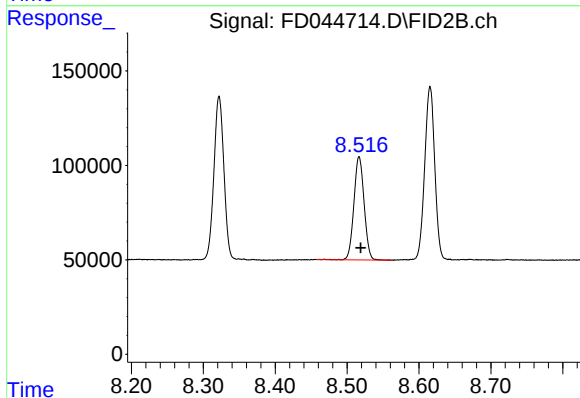
#5 Acenaphthylene (C15.06)

R.T.: 8.322 min
Delta R.T.: -0.002 min
Response: 843354
Conc: 5.70 ug/ml

Instrument :
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5 PPM AROMATIC HC STD5

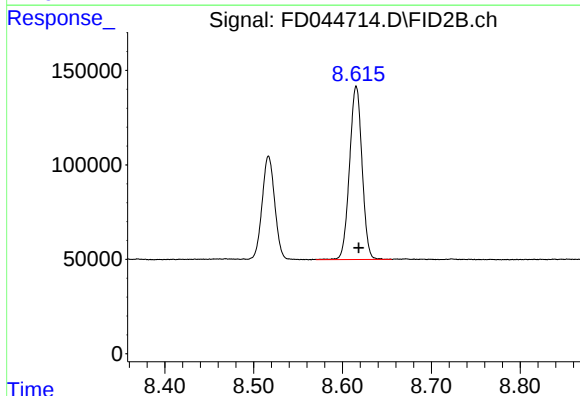
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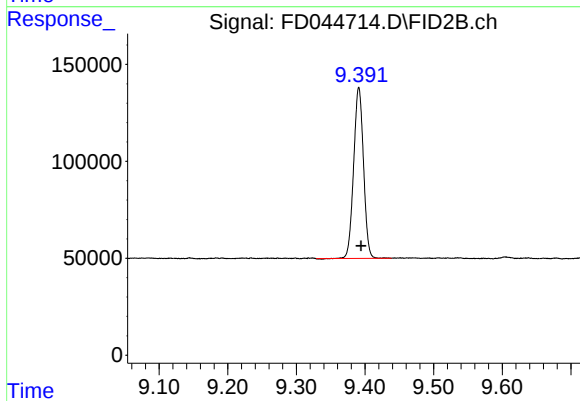
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.517 min
Delta R.T.: -0.002 min
Response: 538645
Conc: 5.79 ug/ml



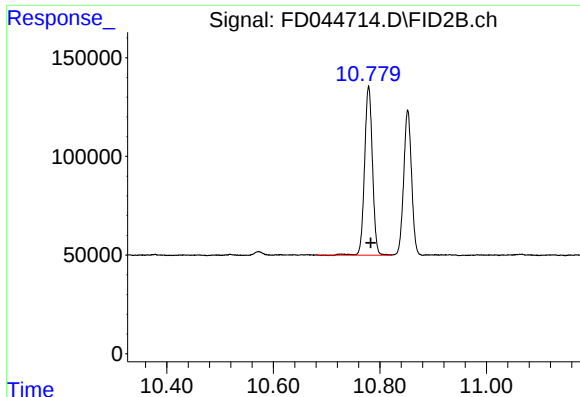
#7 Acenaphthene (C15.5)

R.T.: 8.615 min
Delta R.T.: -0.003 min
Response: 898425
Conc: 5.76 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.391 min
Delta R.T.: -0.003 min
Response: 878757
Conc: 5.71 ug/ml



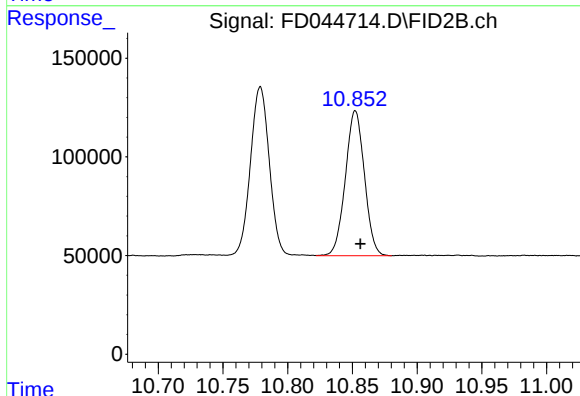
#9 Phenanthrene (C19.36)

R.T.: 10.779 min
Delta R.T.: -0.004 min
Response: 877419
Conc: 5.80 ug/ml

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5 PPM AROMATIC HC STD5

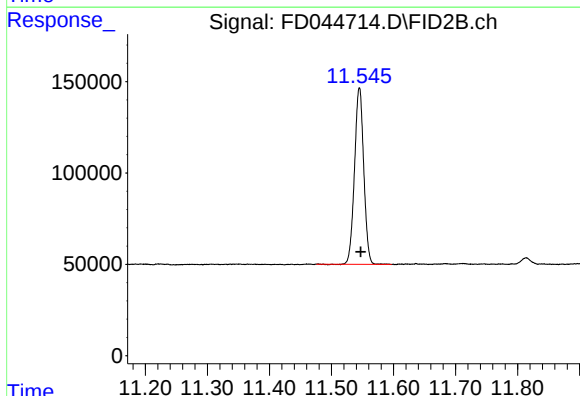
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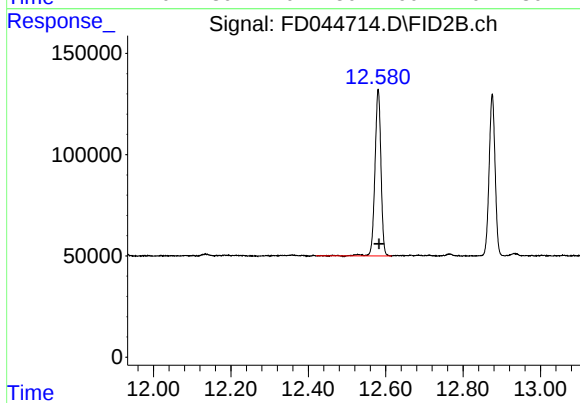
#10 Anthracene (C19.43)

R.T.: 10.852 min
Delta R.T.: -0.004 min
Response: 752146
Conc: 5.23 ug/ml



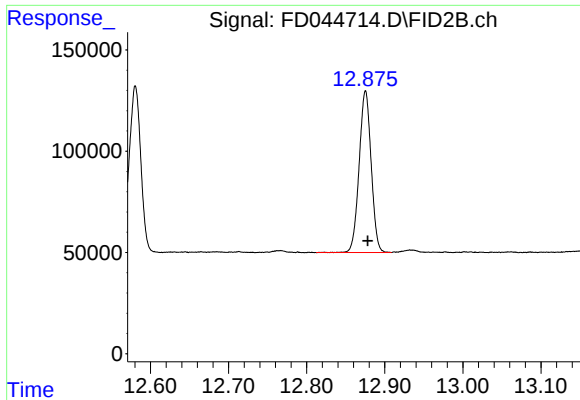
#11 ortho-Terphenyl (SURR)

R.T.: 11.545 min
Delta R.T.: -0.002 min
Response: 999777
Conc: 5.77 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.581 min
Delta R.T.: -0.002 min
Response: 883664
Conc: 5.88 ug/ml



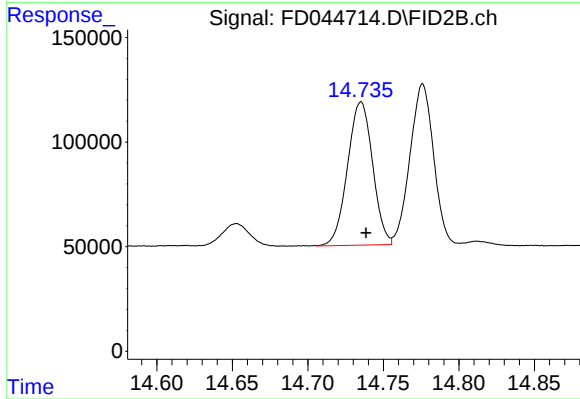
#13 Pyrene (C20.8)

R.T.: 12.875 min
Delta R.T.: -0.003 min
Response: 851946
Conc: 5.79 ug/ml

Instrument :
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5 PPM AROMATIC HC STD5

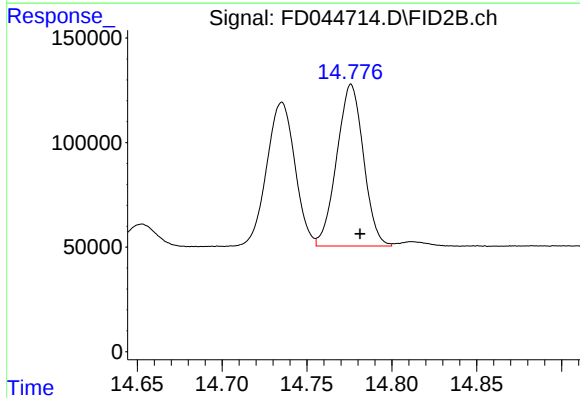
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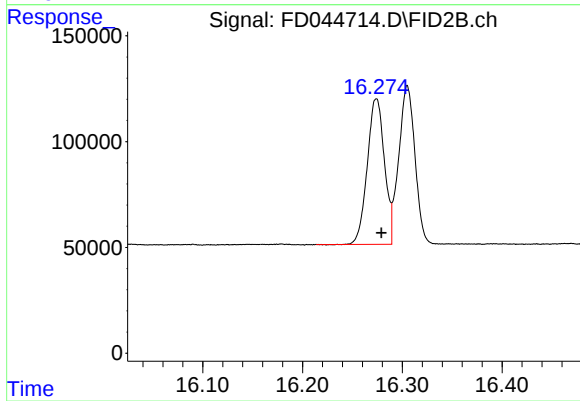
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.735 min
Delta R.T.: -0.003 min
Response: 792370
Conc: 5.69 ug/ml



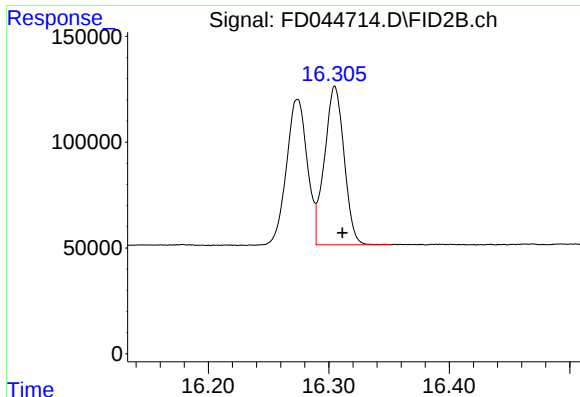
#15 Chrysene (C27.41)

R.T.: 14.776 min
Delta R.T.: -0.006 min
Response: 846820
Conc: 5.81 ug/ml m



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

R.T.: 16.274 min
Delta R.T.: -0.005 min
Response: 823831
Conc: 5.70 ug/ml



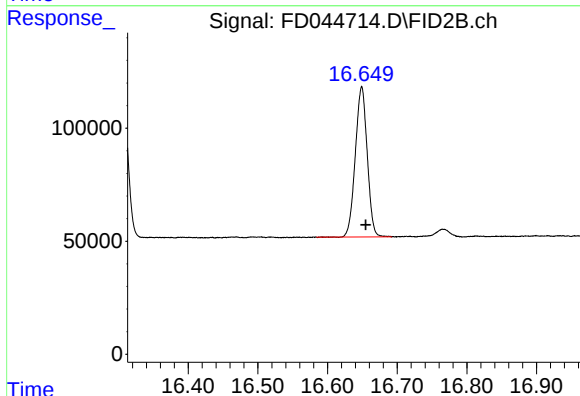
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.305 min
Delta R.T.: -0.006 min
Response: 848354
Conc: 5.91 ug/ml

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5 PPM AROMATIC HC STD5

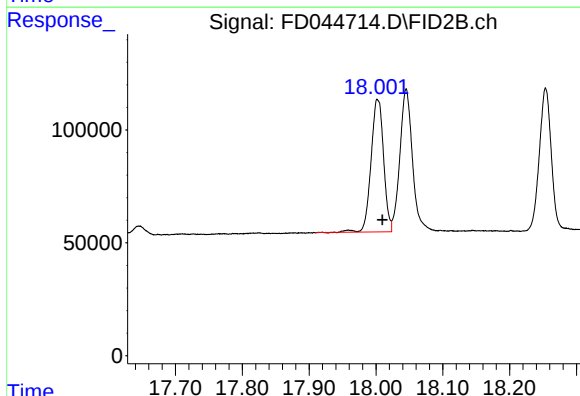
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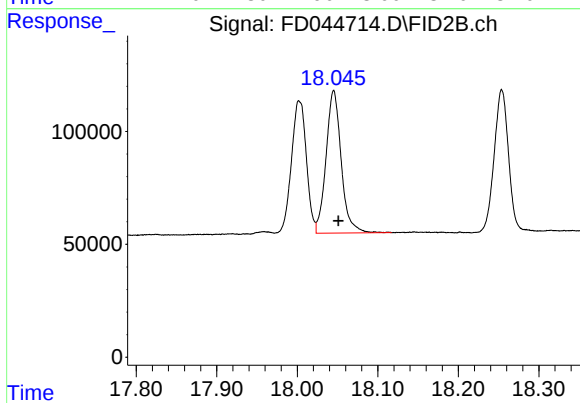
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.649 min
Delta R.T.: -0.006 min
Response: 789810
Conc: 5.57 ug/ml



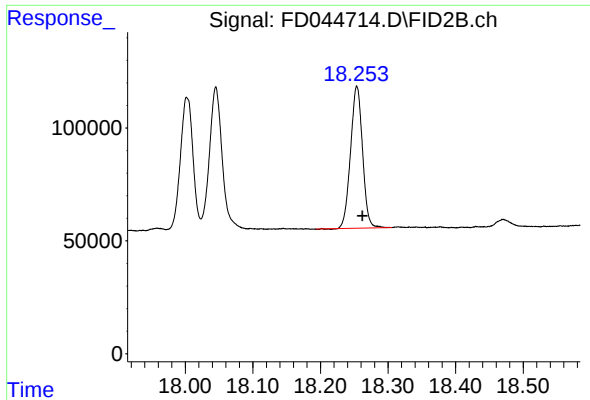
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.003 min
Delta R.T.: -0.007 min
Response: 768290
Conc: 5.72 ug/ml



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

R.T.: 18.045 min
Delta R.T.: -0.006 min
Response: 828319
Conc: 5.99 ug/ml



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

R.T.: 18.254 min
Delta R.T.: -0.008 min
Response: 773771
Conc: 5.66 ug/ml

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