

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF051424AR\
 Data File : FF014238.D
 Signal(s) : FID2B.ch
 Acq On : 14 May 2024 20:30
 Operator : YP\AJ
 Sample : P2403-01
 Misc :
 ALS Vial : 79 Sample Multiplier: 1

Instrument :
 FID_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2024

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 05/15/2024
 Supervised By :Ankita Jodhani 05/15/2024

Integration File: autoint1.e
 Quant Time: May 15 04:52:11 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 051424.M
 Quant Title : GC Extractables
 QLast Update : Tue May 14 17:31:50 2024
 Response via : Initial Calibration
 Integrator: ChemStation

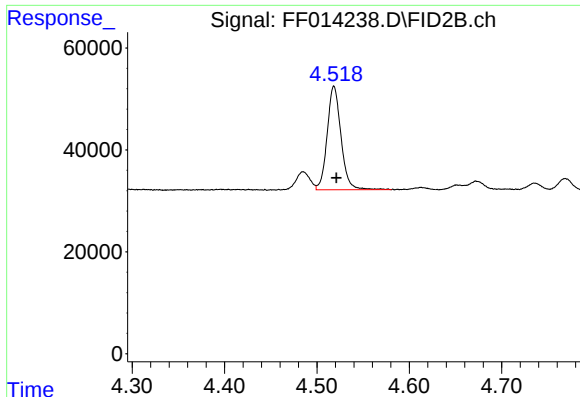
Volume Inj. : 1 µl
 Signal Phase : Rxi-1ms
 Signal Info : 20M x 0.18mm x 0.18µm

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.903	5101892	48.619 ug/ml
Spiked Amount 50.000		Recovery =	97.24%
6) S 2-Fluorobiphenyl (SURR)	8.774	2766111	45.707 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	91.41%
11) S ortho-Terphenyl (SURR)	11.838	5382660	38.134 ug/ml
Spiked Amount 50.000		Recovery =	76.27%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.519	211418	1.746 ug/ml
2) T Naphthalene (C11.7)	6.184	192125	1.641 ug/mlm
3) T 2-Methylnaphthalene (...)	7.279	205492	1.844 ug/ml
5) T Acenaphthylene (C15.06)	8.574	220571	1.965 ug/mlm
7) T Acenaphthene (C15.5)	8.872	480403	3.798 ug/ml
8) T Flouorene (C16.55)	9.664	202253	1.899 ug/ml
9) T Phenanthrene (C19.36)	11.068	157883	1.524 ug/mlm
10) T Anthracene (C19.43)	11.147	120804	1.326 ug/ml
12) T Fluoranthene (C21.85)	12.886	221078	1.943 ug/ml
13) T Pyrene (C20.8)	13.182	224167	2.007 ug/ml
14) T Benzo[a]anthracene (C...	15.079	79669	1.051 ug/ml
15) T Chrysene (C27.41)	15.118	282477	2.569 ug/ml
16) T benzo[b]fluoranthene ...	16.629	111681	1.113 ug/mlm
17) T Bnezo[k]fluoranthene ...	16.662	249816	2.111 ug/ml
18) T Benzo[a]pyrene (C31.34)	17.021	140819	1.341 ug/mlm
19) T Indeno[1,2,3-cd]pyren...	18.401	109048	1.226 ug/mlm
20) T Dibenz[a,h]anthracene...	18.447	146434	1.377 ug/ml
21) T Benzo[g,h,i]perylene ...	18.634	185254	1.504 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.



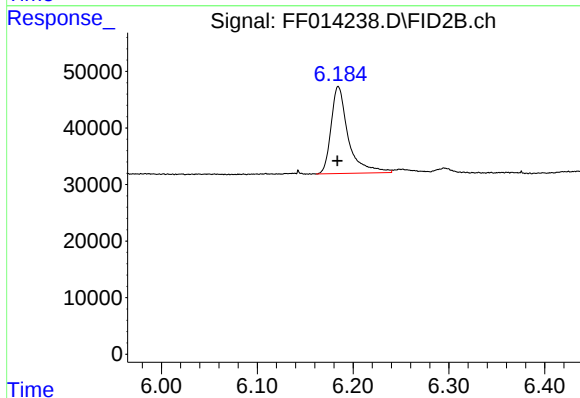
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.519 min
Delta R.T.: -0.002 min
Response: 211418
Conc: 1.75 ug/ml

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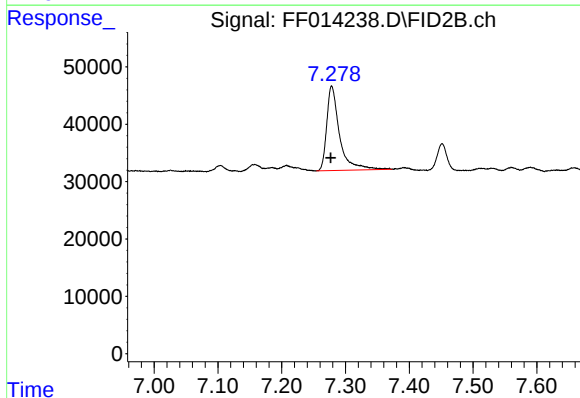
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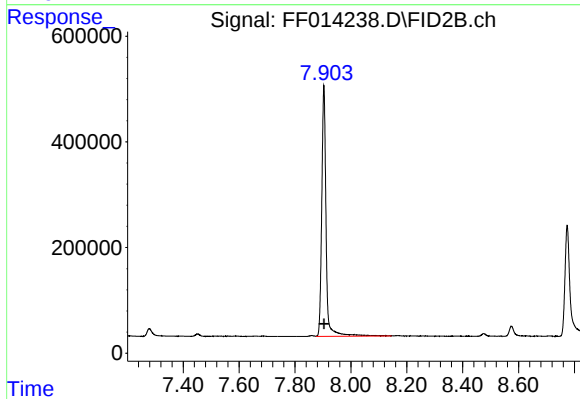
#2 Naphthalene (C11.7)

R.T.: 6.184 min
Delta R.T.: 0.000 min
Response: 192125
Conc: 1.64 ug/ml m



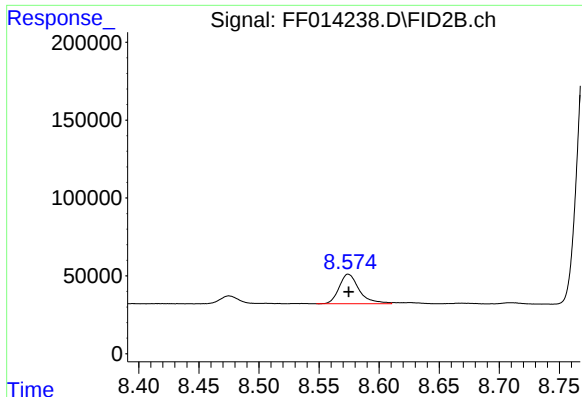
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.279 min
Delta R.T.: 0.002 min
Response: 205492
Conc: 1.84 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.903 min
Delta R.T.: -0.001 min
Response: 5101892
Conc: 48.62 ug/ml



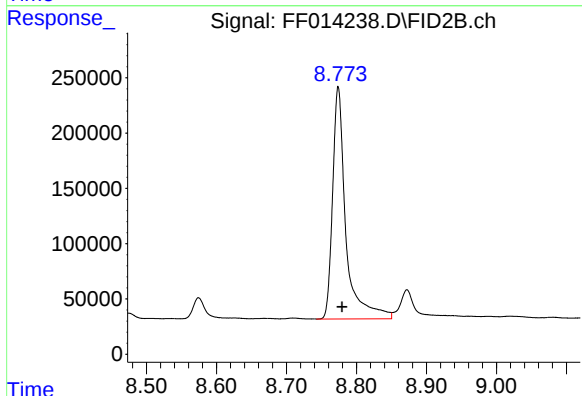
#5 Acenaphthylene (C15.06)

R.T.: 8.574 min
Delta R.T.: -0.001 min
Response: 220571
Conc: 1.96 ug/ml

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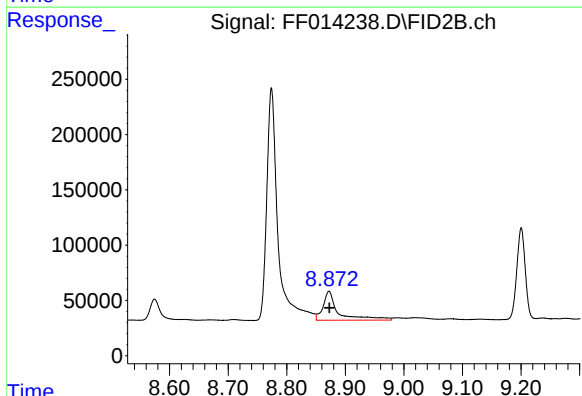
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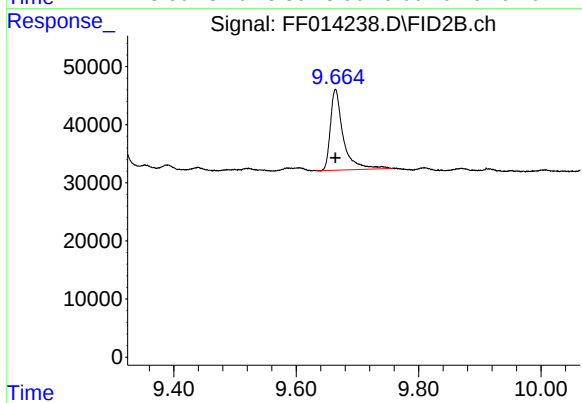
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.774 min
Delta R.T.: -0.005 min
Response: 2766111
Conc: 45.71 ug/ml



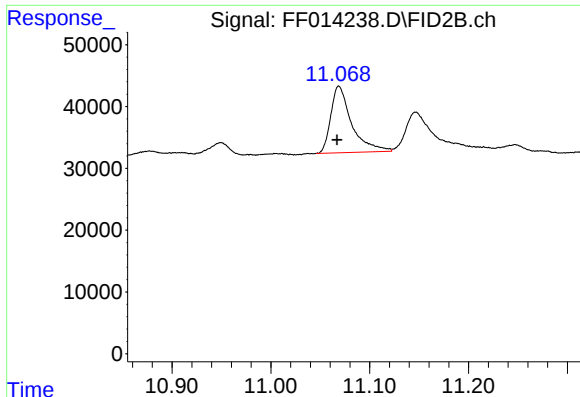
#7 Acenaphthene (C15.5)

R.T.: 8.872 min
Delta R.T.: 0.000 min
Response: 480403
Conc: 3.80 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.664 min
Delta R.T.: 0.000 min
Response: 202253
Conc: 1.90 ug/ml



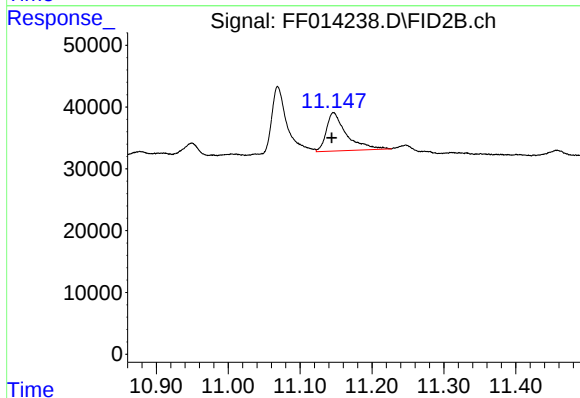
#9 Phenanthrene (C19.36)

R.T.: 11.068 min
Delta R.T.: 0.001 min
Response: 157883
Conc: 1.52 ug/ml

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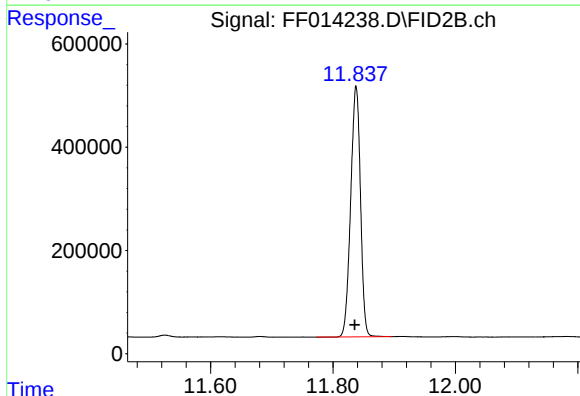
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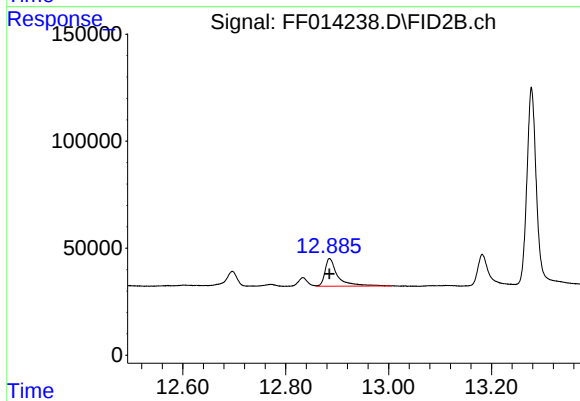
#10 Anthracene (C19.43)

R.T.: 11.147 min
Delta R.T.: 0.003 min
Response: 120804
Conc: 1.33 ug/ml



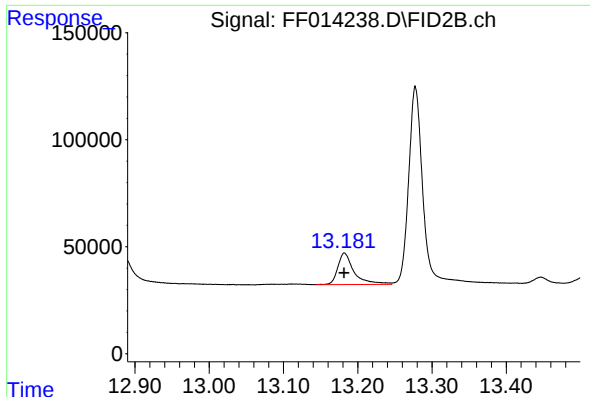
#11 ortho-Terphenyl (SURR)

R.T.: 11.838 min
Delta R.T.: 0.002 min
Response: 5382660
Conc: 38.13 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.886 min
Delta R.T.: 0.000 min
Response: 221078
Conc: 1.94 ug/ml



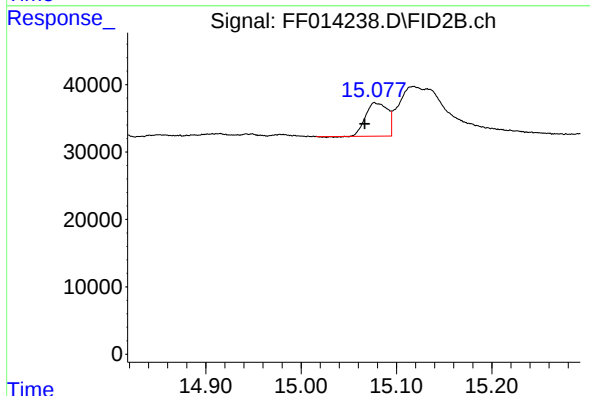
#13 Pyrene (C20.8)

R.T.: 13.182 min
Delta R.T.: 0.000 min
Response: 224167
Conc: 2.01 ug/ml

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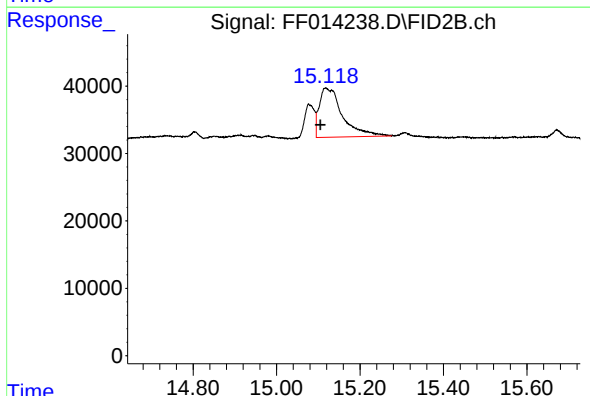
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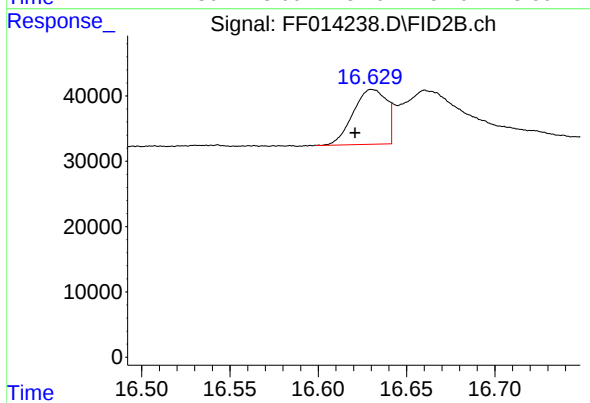
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.079 min
Delta R.T.: 0.012 min
Response: 79669
Conc: 1.05 ug/ml



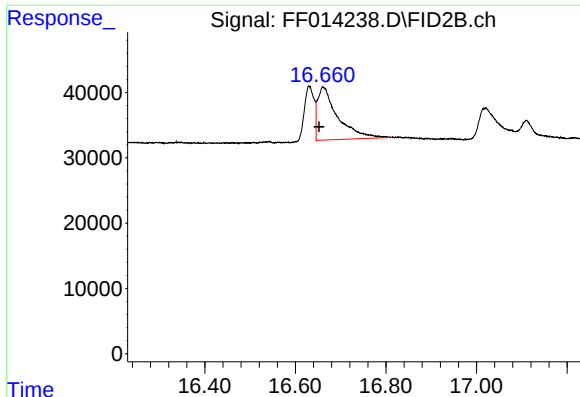
#15 Chrysene (C27.41)

R.T.: 15.118 min
Delta R.T.: 0.013 min
Response: 282477
Conc: 2.57 ug/ml



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

R.T.: 16.629 min
Delta R.T.: 0.009 min
Response: 111681
Conc: 1.11 ug/ml m



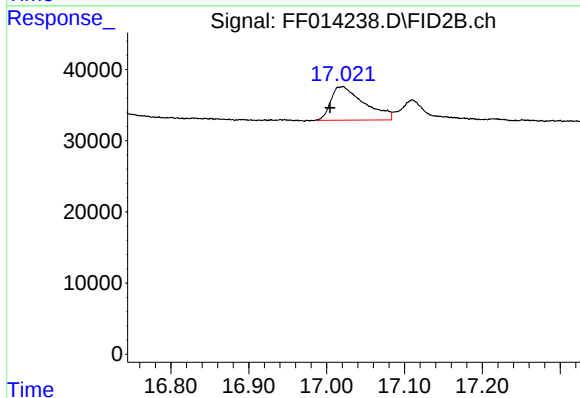
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.662 min
Delta R.T.: 0.009 min
Response: 249816
Conc: 2.11 ug/ml

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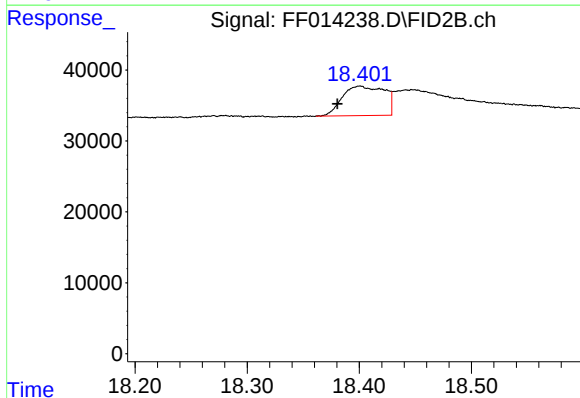
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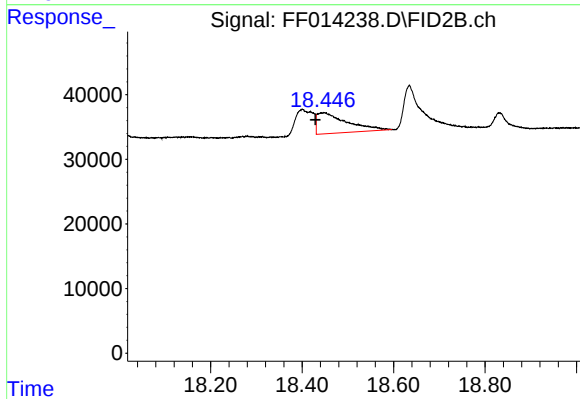
#18 Benzo[a]pyrene (C31.34)

R.T.: 17.021 min
Delta R.T.: 0.017 min
Response: 140819
Conc: 1.34 ug/ml m



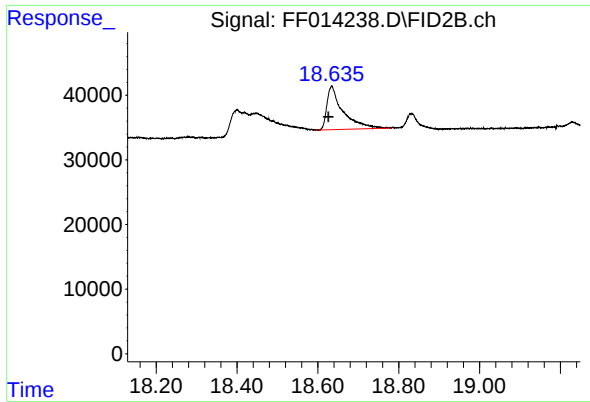
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.401 min
Delta R.T.: 0.020 min
Response: 109048
Conc: 1.23 ug/ml m



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

R.T.: 18.447 min
Delta R.T.: 0.018 min
Response: 146434
Conc: 1.38 ug/ml



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

R.T.: 18.634 min
Delta R.T.: 0.009 min
Response: 185254
Conc: 1.50 ug/ml

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