

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF052224AR\
 Data File : FF014261.D
 Signal(s) : FID2B.ch
 Acq On : 22 May 2024 09:27
 Operator : YP\AJ
 Sample : 100 PPM AROMATIC HC STD1
 Misc :
 ALS Vial : 61 Sample Multiplier: 1

Instrument :
 FID_F
 ClientSampleId :
 100 PPM AROMATIC HC STD1

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 05/23/2024
 Supervised By :Ankita Jodhani 05/23/2024

Integration File: autoint1.e
 Quant Time: May 22 11:53:42 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 052224.M
 Quant Title : GC Extractables
 QLast Update : Wed May 22 11:53:27 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...	7.905	12282199	117.044 ug/ml
Spiked Amount 50.000		Recovery =	234.09%
6) S 2-Fluorobiphenyl (SURR)	8.778	7124488	119.531 ug/mlm
Spiked Amount 50.000 Range 0 - 131		Recovery =	239.06%#
11) S ortho-Terphenyl (SURR)	11.843	14910207	111.694 ug/ml
Spiked Amount 50.000		Recovery =	223.39%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.519	14264643	111.908 ug/ml
2) T Naphthalene (C11.7)	6.184	14402768	115.391 ug/ml
3) T 2-Methylnaphthalene (...)	7.279	13049949	116.382 ug/ml
5) T Acenaphthylene (C15.06)	8.580	14016484	113.532 ug/ml
7) T Acenaphthene (C15.5)	8.882	14722649	112.938 ug/ml
8) T Flouorene (C16.55)	9.666	10585979	109.095 ug/ml
9) T Phenanthrene (C19.36)	11.071	10866207	108.739 ug/ml
10) T Anthracene (C19.43)	11.144	9027702	97.646 ug/ml
12) T Fluoranthene (C21.85)	12.893	12563698	109.919 ug/ml
13) T Pyrene (C20.8)	13.193	12771861	110.254 ug/ml
14) T Benzo[a]anthracene (C...	15.065	5867344	110.338 ug/ml
15) T Chrysene (C27.41)	15.110	7148655	79.781 ug/ml
16) T benzo[b]fluoranthene ...	16.633	11753035	117.187 ug/ml
17) T Bnezo[k]fluoranthene ...	16.669	9441820	92.111 ug/mlm
18) T Benzo[a]pyrene (C31.34)	17.013	10082517	111.281 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.387	9180302	142.045 ug/mlm
20) T Dibenz[a,h]anthracene...	18.415	5446619	85.542 ug/ml
21) T Benzo[g,h,i]perylene ...	18.651	13344352	111.348 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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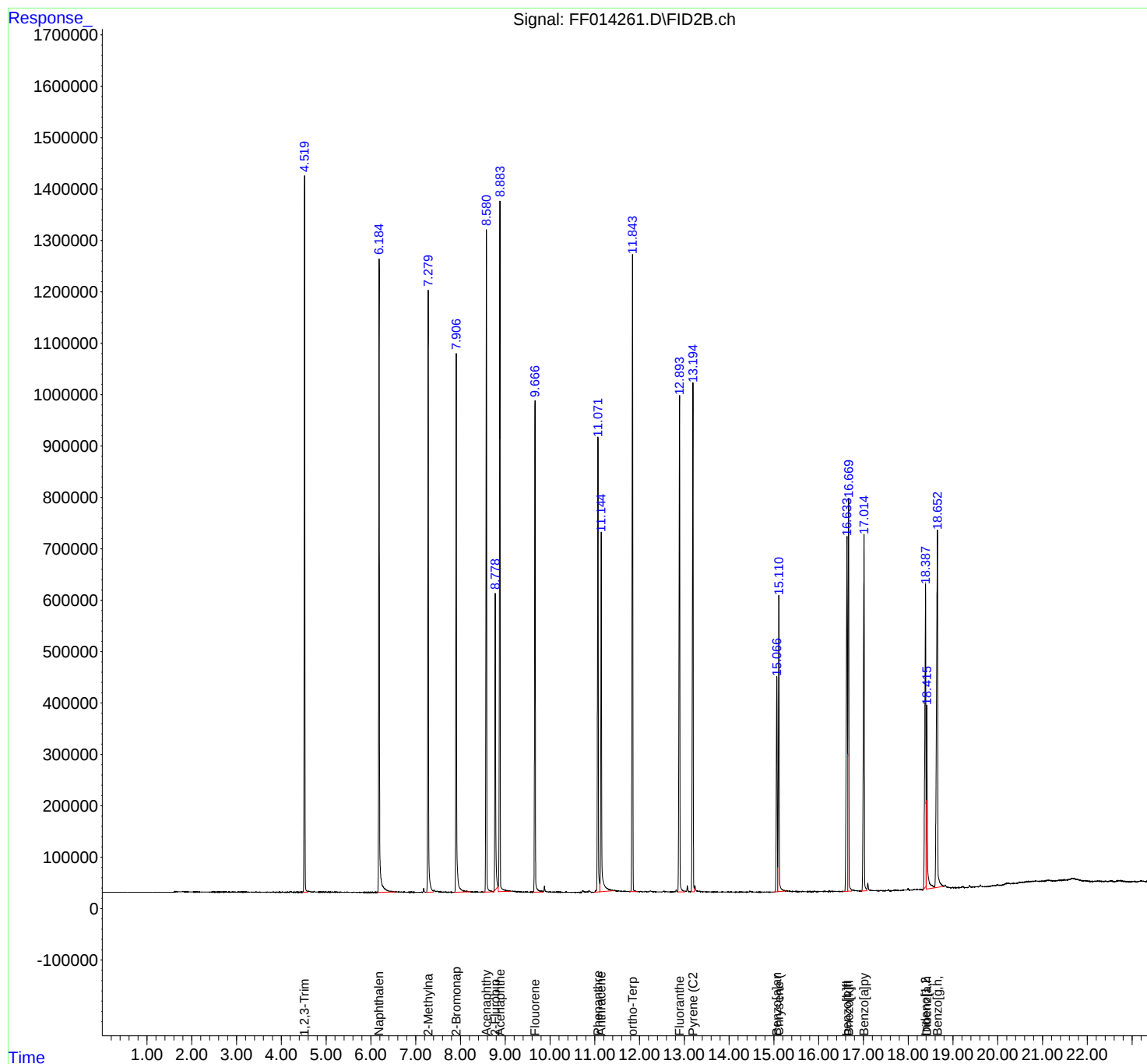
Instrument :
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100 PPM AROMATIC HC STD1

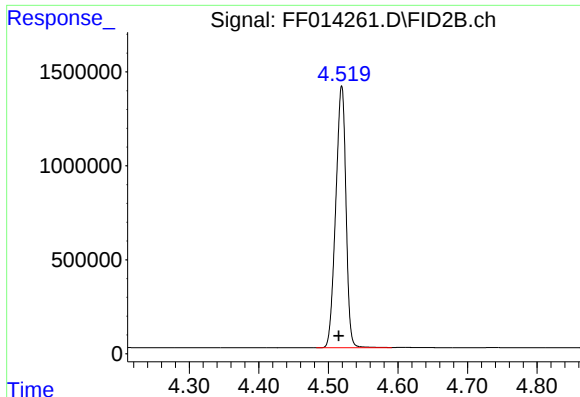
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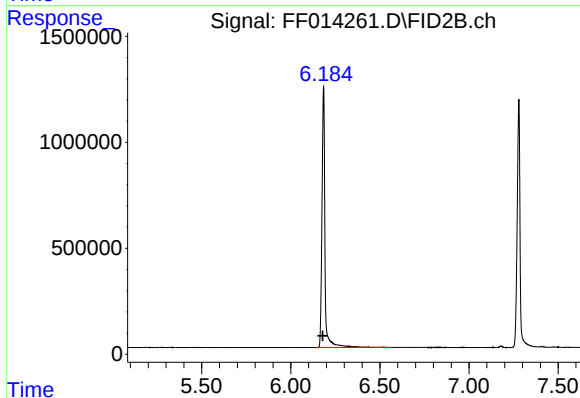
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.519 min
Delta R.T.: 0.004 min
Response: 14264643
Conc: 111.91 ug/ml

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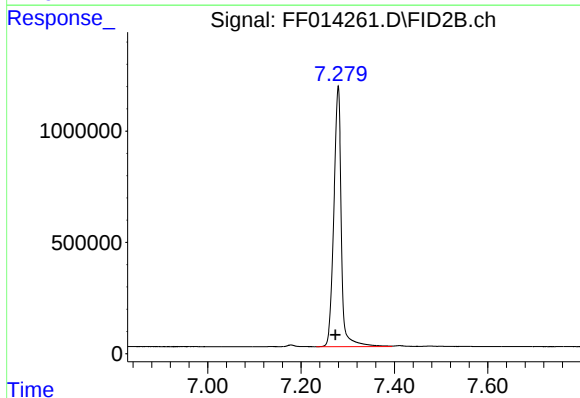
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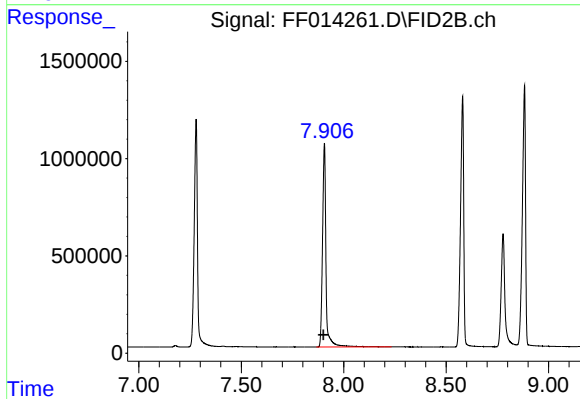
#2 Naphthalene (C11.7)

R.T.: 6.184 min
Delta R.T.: 0.004 min
Response: 14402768
Conc: 115.39 ug/ml



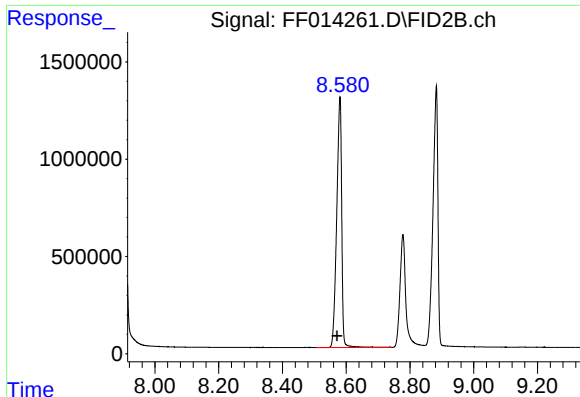
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.279 min
Delta R.T.: 0.005 min
Response: 13049949
Conc: 116.38 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.905 min
Delta R.T.: 0.004 min
Response: 12282199
Conc: 117.04 ug/ml



#5 Acenaphthylene (C15.06)

R.T.: 8.580 min
Delta R.T.: 0.008 min
Response: 14016484
Conc: 113.53 ug/ml

Instrument :

FID_F

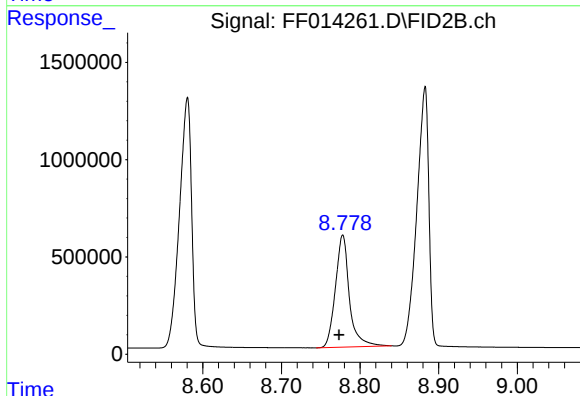
ClientSampleId :

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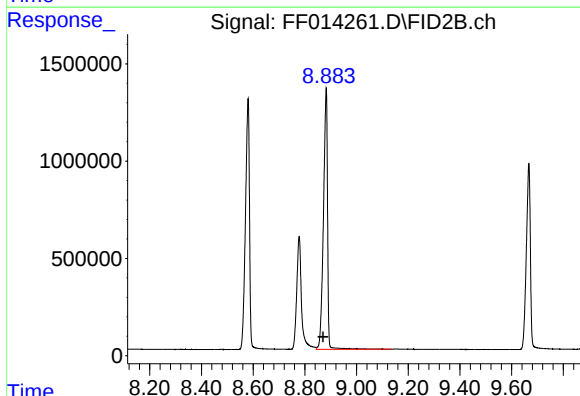
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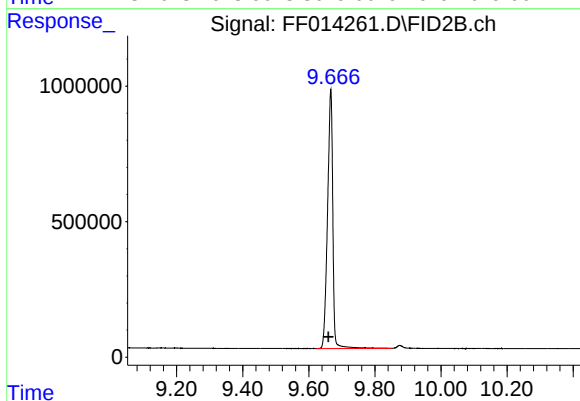
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.778 min
Delta R.T.: 0.004 min
Response: 7124488
Conc: 119.53 ug/ml m



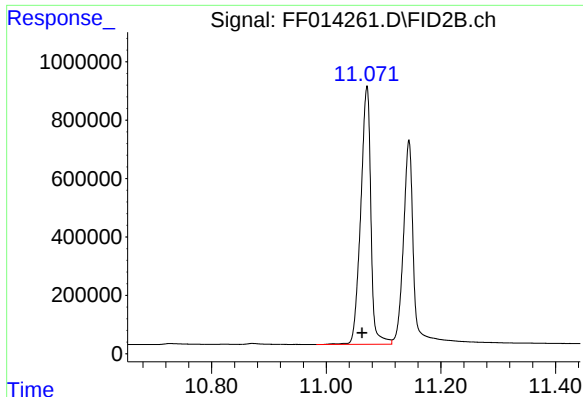
#7 Acenaphthene (C15.5)

R.T.: 8.882 min
Delta R.T.: 0.011 min
Response: 14722649
Conc: 112.94 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.666 min
Delta R.T.: 0.007 min
Response: 10585979
Conc: 109.09 ug/ml



#9 Phenanthrene (C19.36)

R.T.: 11.071 min
Delta R.T.: 0.008 min
Response: 10866207
Conc: 108.74 ug/ml

Instrument :

FID_F

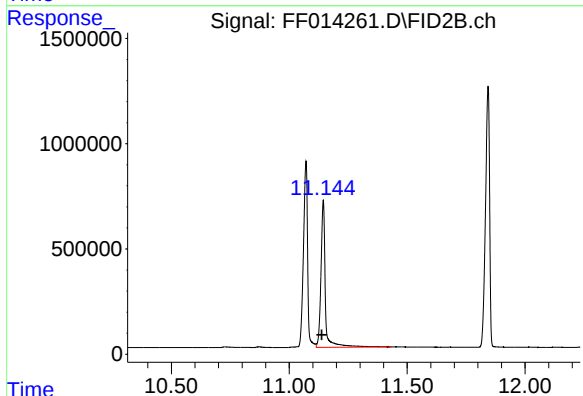
ClientSampleId :

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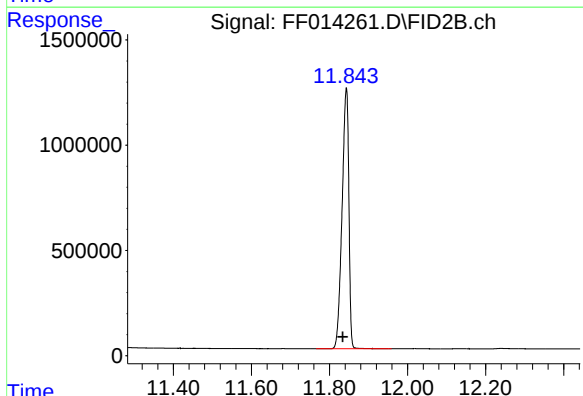
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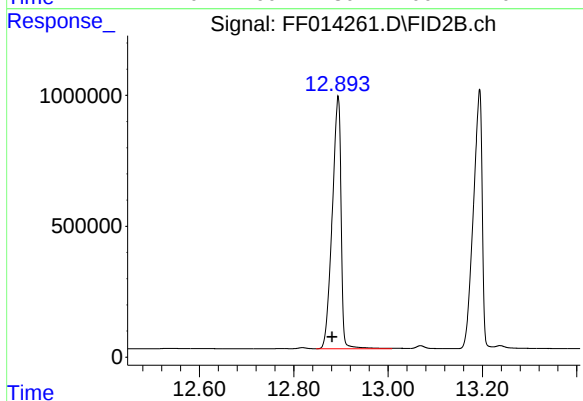
#10 Anthracene (C19.43)

R.T.: 11.144 min
Delta R.T.: 0.006 min
Response: 9027702
Conc: 97.65 ug/ml



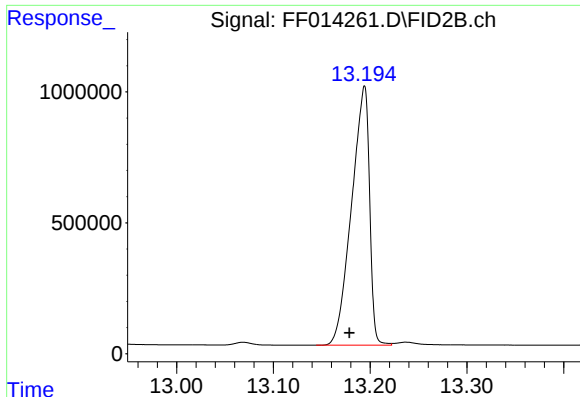
#11 ortho-Terphenyl (SURR)

R.T.: 11.843 min
Delta R.T.: 0.009 min
Response: 14910207
Conc: 111.69 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.893 min
Delta R.T.: 0.012 min
Response: 12563698
Conc: 109.92 ug/ml



#13 Pyrene (C20.8)

R.T.: 13.193 min
Delta R.T.: 0.015 min
Response: 12771861
Conc: 110.25 ug/ml

Instrument :

FID_F

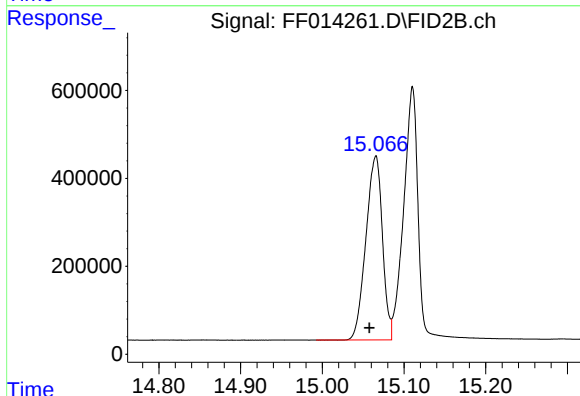
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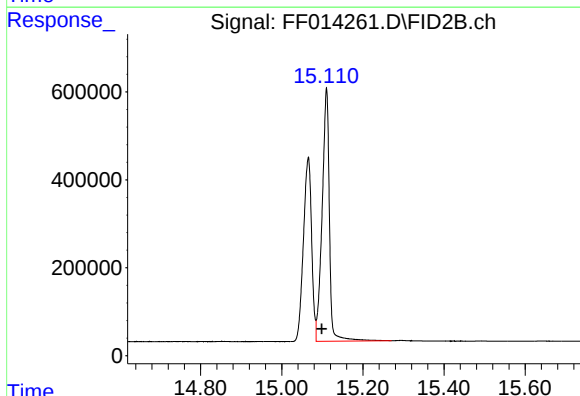
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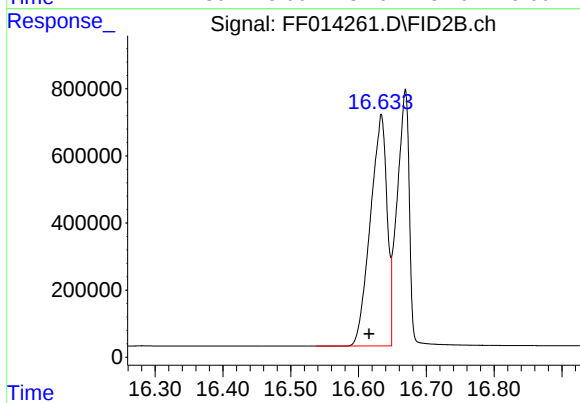
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.065 min
Delta R.T.: 0.007 min
Response: 5867344
Conc: 110.34 ug/ml



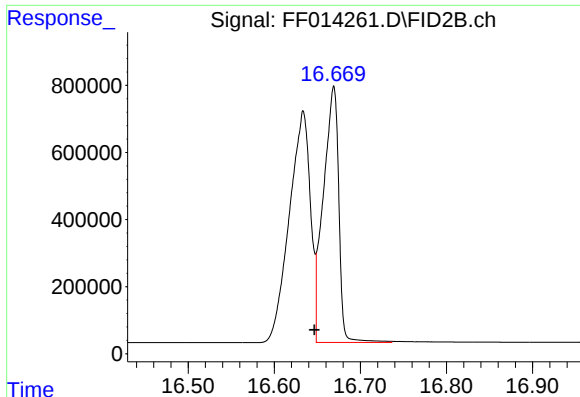
#15 Chrysene (C27.41)

R.T.: 15.110 min
Delta R.T.: 0.011 min
Response: 7148655
Conc: 79.78 ug/ml



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

R.T.: 16.633 min
Delta R.T.: 0.018 min
Response: 11753035
Conc: 117.19 ug/ml



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

R.T.: 16.669 min
Delta R.T.: 0.022 min
Response: 9441820
Conc: 92.11 ug/ml

Instrument :

FID_F

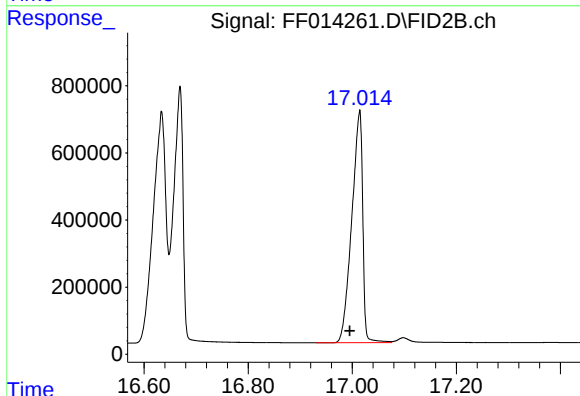
ClientSampleId :

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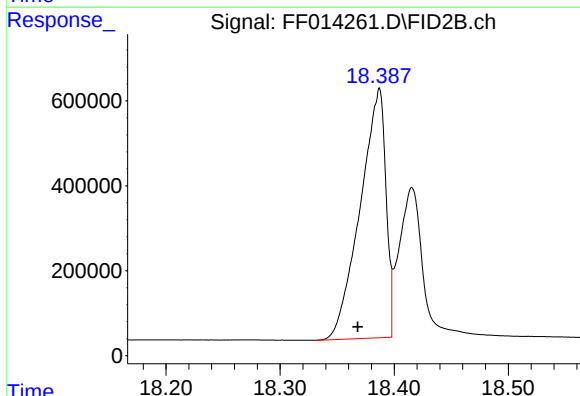
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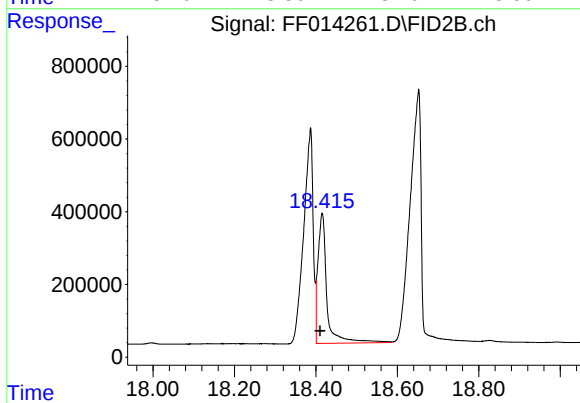
#18 Benzo[a]pyrene (C31.34)

R.T.: 17.013 min
Delta R.T.: 0.018 min
Response: 10082517
Conc: 111.28 ug/ml



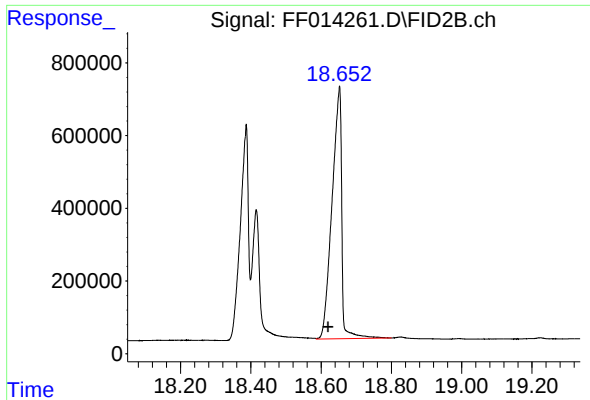
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.387 min
Delta R.T.: 0.019 min
Response: 9180302
Conc: 142.04 ug/ml m



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

R.T.: 18.415 min
Delta R.T.: 0.005 min
Response: 5446619
Conc: 85.54 ug/ml



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

R.T.: 18.651 min
Delta R.T.: 0.031 min
Response: 13344352
Conc: 111.35 ug/ml

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