

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD112321AR\
 Data File : FD039625.D
 Signal(s) : FID2B.CH
 Acq On : 24 Nov 2021 1:25
 Operator : AJ\MA
 Sample : 100 PPM AROMATIC HC STD1
 Misc :
 ALS Vial : 58 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 100 PPM AROMATIC HC STD1

Manual Integrations APPROVED

Reviewed By :Ankita Jodhani 11/24/2021
 Supervised By :mohammad ahmed 11/24/2021

Integration File: autoint1.e
 Quant Time: Nov 24 04:16:29 2021
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 112321.M
 Quant Title : GC Extractables
 Qlast Update : Wed Nov 24 04:11:23 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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...	7.751	11214287	99.600 ug/ml
Spiked Amount 50.000		Recovery =	199.20%
6) S 2-Fluorobiphenyl (SURR)	8.622	7702043	101.246 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	202.49%#
11) S ortho-Terphenyl (SURR)	11.666	11930512	97.512 ug/ml
Spiked Amount 50.000		Recovery =	195.02%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.536	12050572	99.304 ug/ml
2) T Naphthalene (C11.7)	6.086	12669125	98.886 ug/ml
3) T 2-Methylnaphthalene (...)	7.142	12912108	98.871 ug/ml
5) T Acenaphthylene (C15.06)	8.424	11843153	98.202 ug/ml
7) T Acenaphthene (C15.5)	8.722	12597821	98.357 ug/ml
8) T Fluorene (C16.55)	9.505	12398231	99.958 ug/ml
9) T Phenanthrene (C19.36)	10.908	12150156	100.828 ug/ml
10) T Anthracene (C19.43)	10.985	11846827	98.236 ug/ml
12) T Fluoranthene (C21.85)	12.727	11836407	99.960 ug/ml
13) T Pyrene (C20.8)	13.027	11441084	99.969 ug/ml
14) T Benzo[a]anthracene (C...	14.900	10337107	104.404 ug/ml
15) T Chrysene (C27.41)	14.948	10952235	96.731 ug/ml
16) T benzo[b]fluoranthene ...	16.457	10167260	103.794 ug/ml
17) T Bnezo[k]fluoranthene ...	16.496	10131670	97.274 ug/mlm
18) T Benzo[a]pyrene (C31.34)	16.840	9972243	101.940 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.210	10161230	110.541 ug/ml
20) T Dibenz[a,h]anthracene...	18.247	9301540	89.465 ug/mlm
21) T Benzo[g,h,i]perylene ...	18.472	9847118	99.804 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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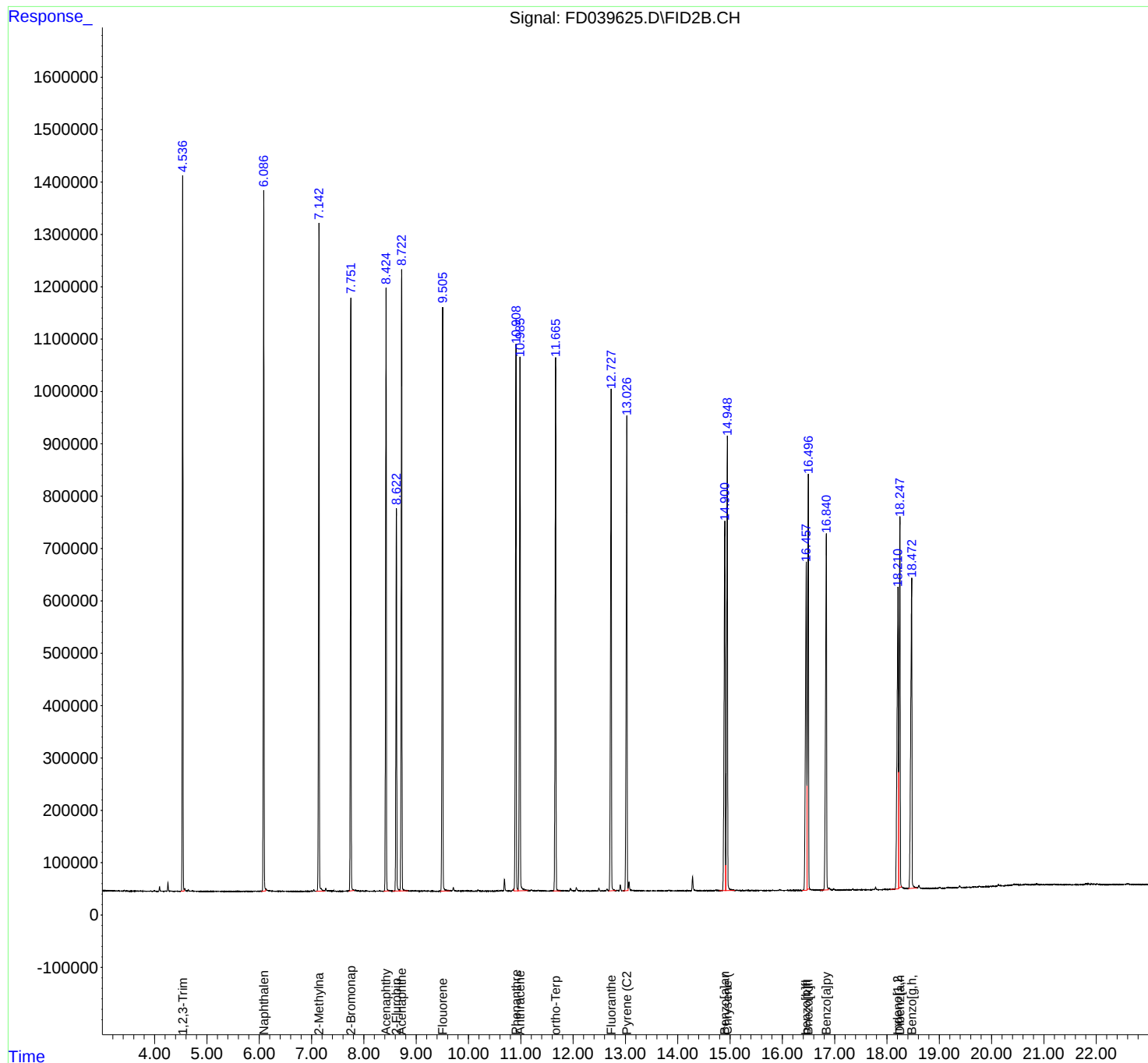
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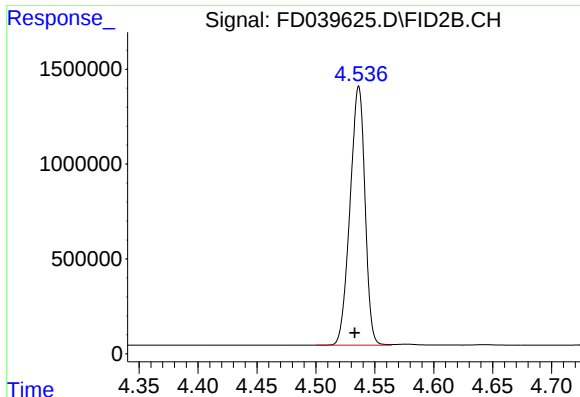
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#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.536 min
Delta R.T.: 0.003 min
Response: 12050572
Conc: 99.30 ug/ml

Instrument :

FID_D

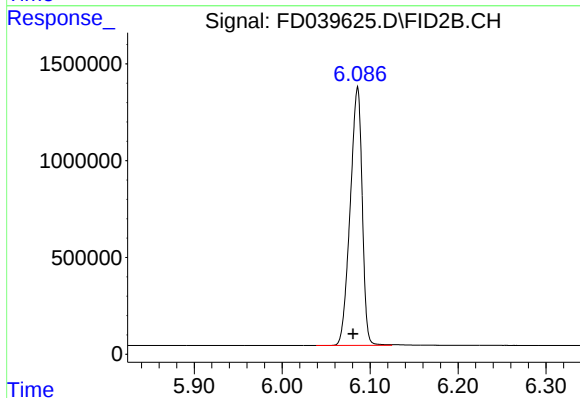
ClientSampleId :

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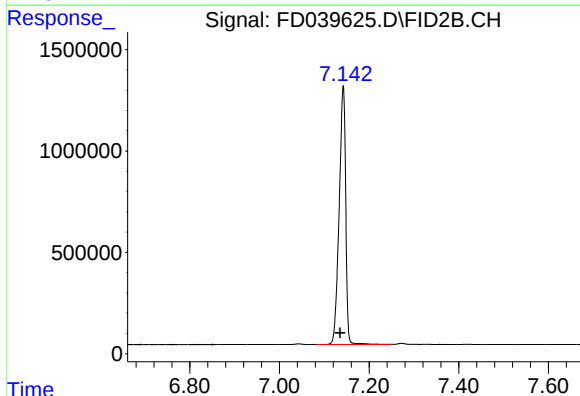
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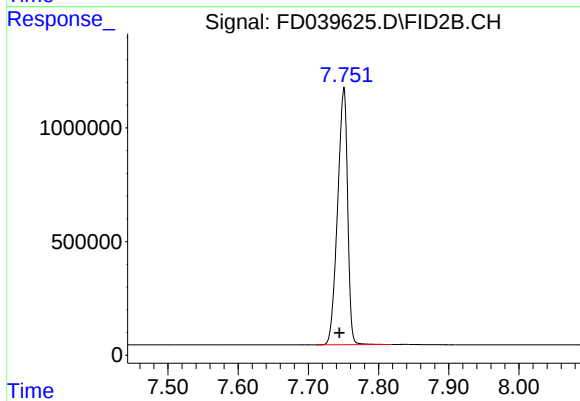
#2 Naphthalene (C11.7)

R.T.: 6.086 min
Delta R.T.: 0.005 min
Response: 12669125
Conc: 98.89 ug/ml



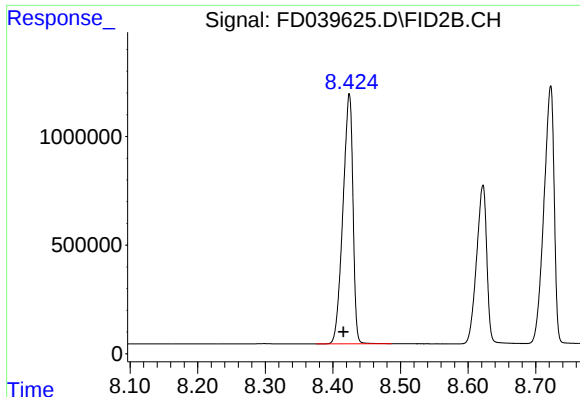
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.142 min
Delta R.T.: 0.007 min
Response: 12912108
Conc: 98.87 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.751 min
Delta R.T.: 0.007 min
Response: 11214287
Conc: 99.60 ug/ml



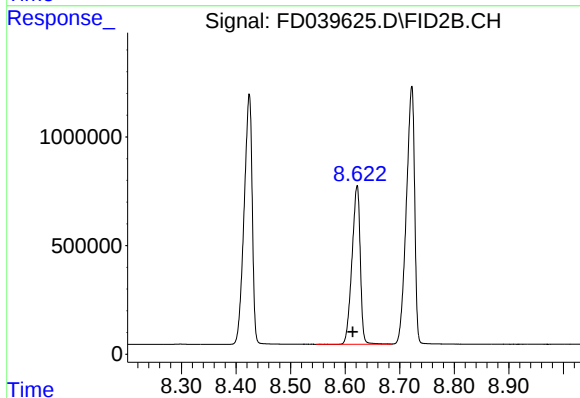
#5 Acenaphthylene (C15.06)

R.T.: 8.424 min
Delta R.T.: 0.009 min
Response: 11843153
Conc: 98.20 ug/ml

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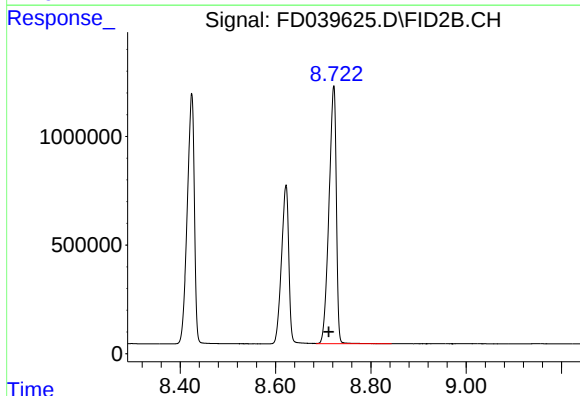
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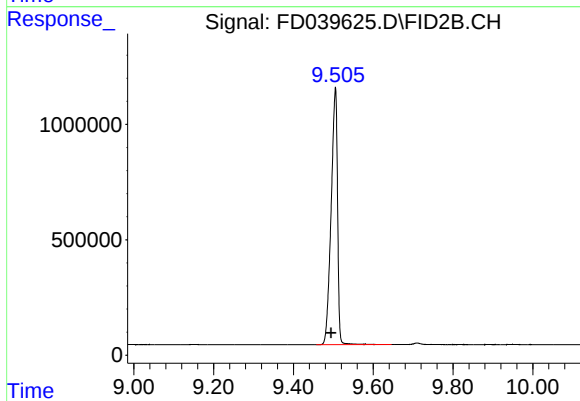
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.622 min
Delta R.T.: 0.008 min
Response: 7702043
Conc: 101.25 ug/ml



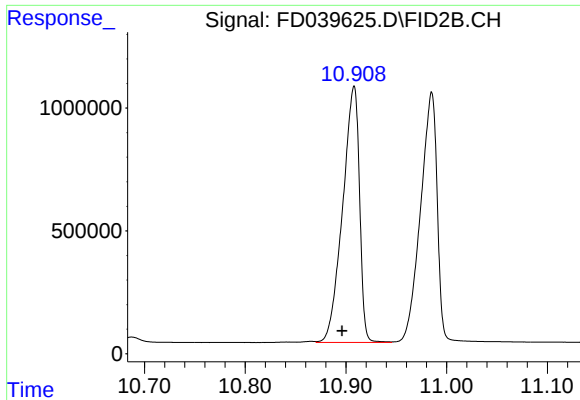
#7 Acenaphthene (C15.5)

R.T.: 8.722 min
Delta R.T.: 0.011 min
Response: 12597821
Conc: 98.36 ug/ml



#8 Fluorene (C16.55)

R.T.: 9.505 min
Delta R.T.: 0.011 min
Response: 12398231
Conc: 99.96 ug/ml



#9 Phenanthrene (C19.36)

R.T.: 10.908 min
Delta R.T.: 0.012 min
Response: 12150156
Conc: 100.83 ug/ml

Instrument :

FID_D

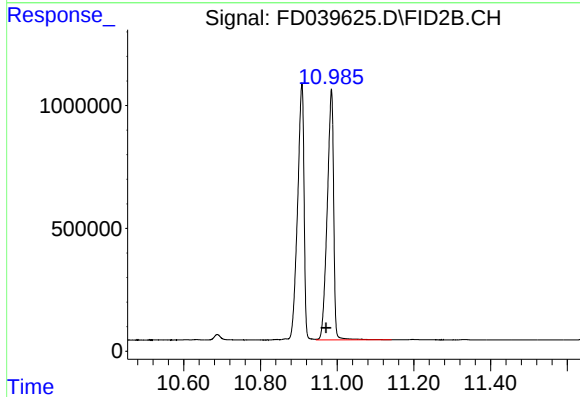
ClientSampleId :

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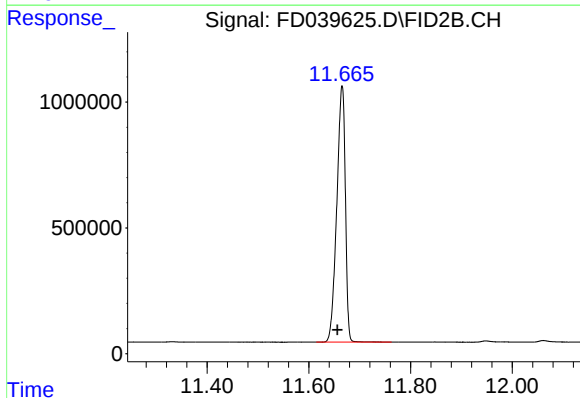
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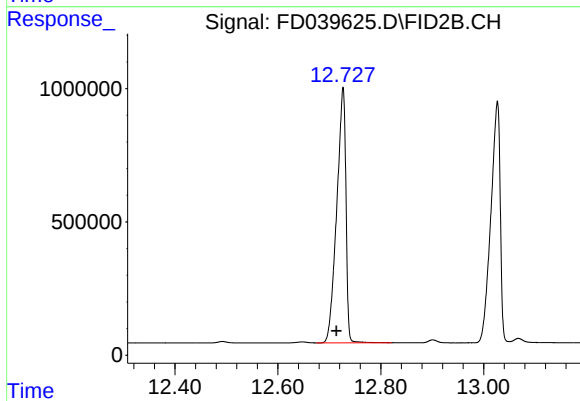
#10 Anthracene (C19.43)

R.T.: 10.985 min
Delta R.T.: 0.014 min
Response: 11846827
Conc: 98.24 ug/ml



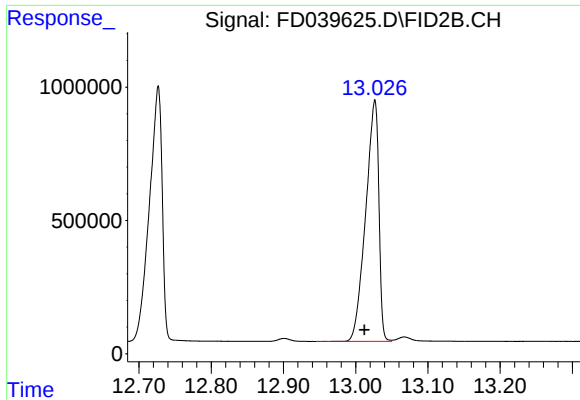
#11 ortho-Terphenyl (SURR)

R.T.: 11.666 min
Delta R.T.: 0.009 min
Response: 11930512
Conc: 97.51 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.727 min
Delta R.T.: 0.013 min
Response: 11836407
Conc: 99.96 ug/ml



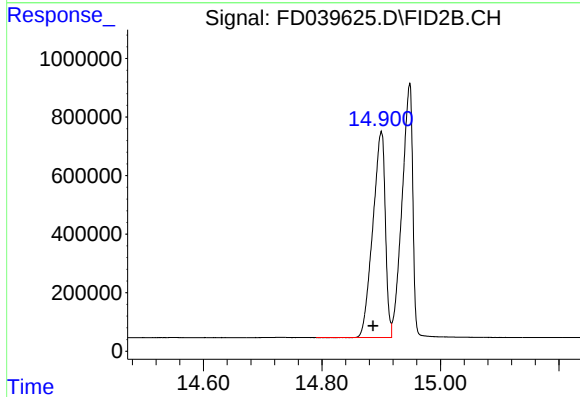
#13 Pyrene (C20.8)

R.T.: 13.027 min
Delta R.T.: 0.015 min
Response: 11441084
Conc: 99.97 ug/ml

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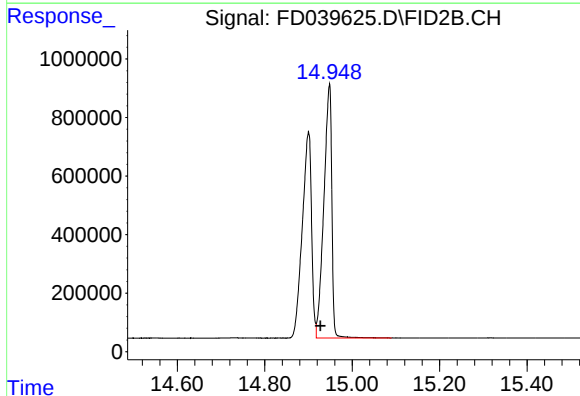
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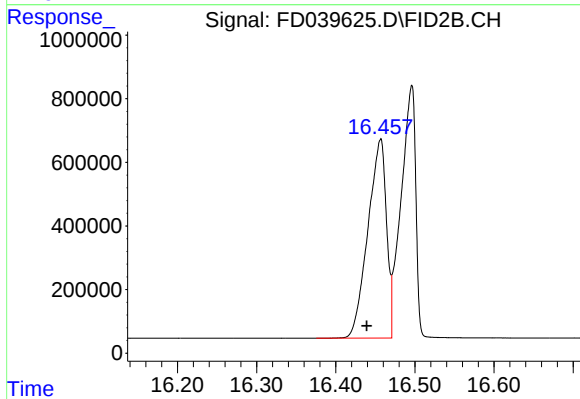
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.900 min
Delta R.T.: 0.014 min
Response: 10337107
Conc: 104.40 ug/ml



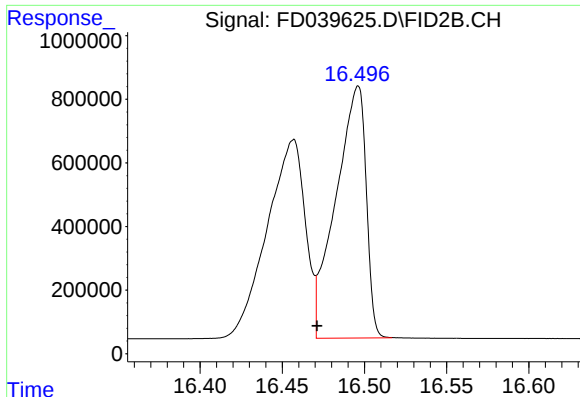
#15 Chrysene (C27.41)

R.T.: 14.948 min
Delta R.T.: 0.021 min
Response: 10952235
Conc: 96.73 ug/ml



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

R.T.: 16.457 min
Delta R.T.: 0.018 min
Response: 10167260
Conc: 103.79 ug/ml



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

R.T.: 16.496 min
Delta R.T.: 0.024 min
Response: 10131670
Conc: 97.27 ug/ml

Instrument :

FID_D

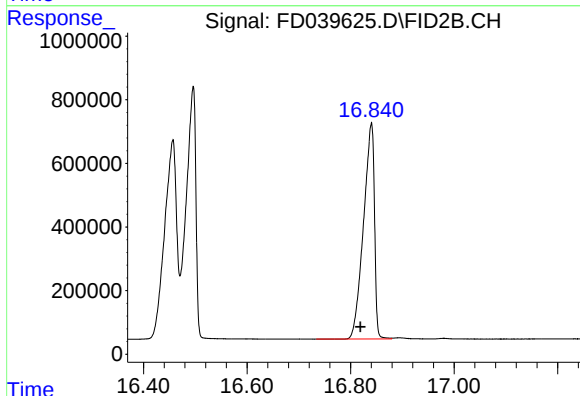
ClientSampleId :

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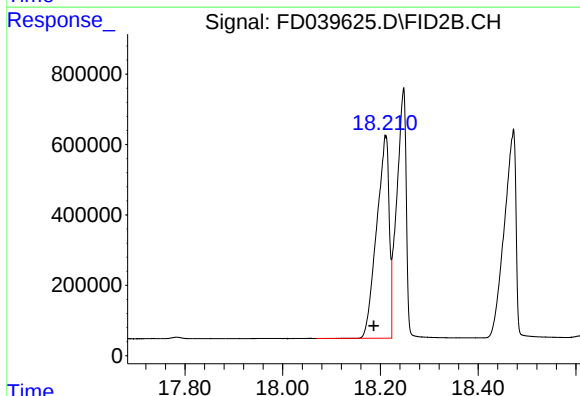
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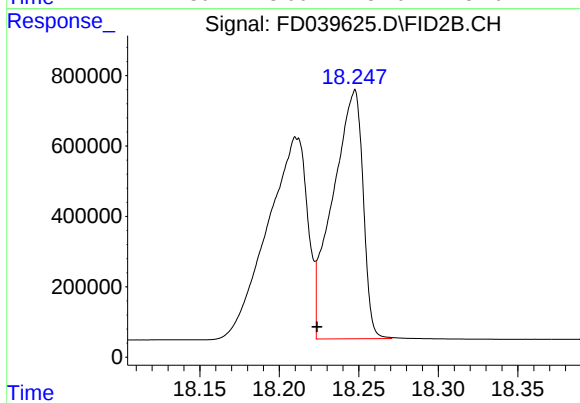
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.840 min
Delta R.T.: 0.021 min
Response: 9972243
Conc: 101.94 ug/ml



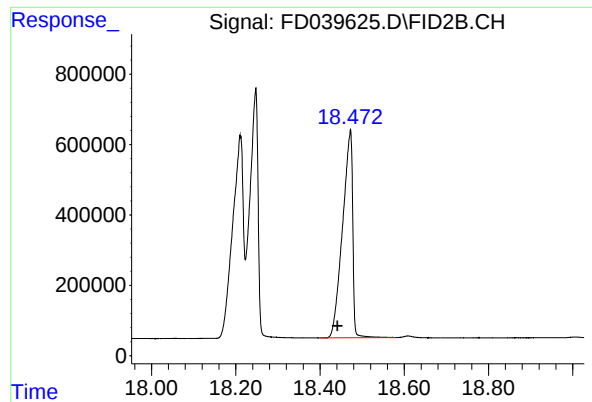
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.210 min
Delta R.T.: 0.024 min
Response: 10161230
Conc: 110.54 ug/ml



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

R.T.: 18.247 min
Delta R.T.: 0.024 min
Response: 9301540
Conc: 89.47 ug/ml m



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

R.T.: 18.472 min
Delta R.T.: 0.031 min
Response: 9847118
Conc: 99.80 ug/ml

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