

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF093024AR\
 Data File : FF014575.D
 Signal(s) : FID2B.ch
 Acq On : 30 Sep 2024 20:44
 Operator : YP\AJ
 Sample : 20 PPM AROMATIC HC STD ICV
 Misc :
 ALS Vial : 66 Sample Multiplier: 1

Instrument :
 FID_F
 ClientSampleId :
 20 PPM AROMATIC HC STD ICV

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/02/2024
 Supervised By :Ankita Jodhani 10/02/2024

Integration File: autoint1.e
 Quant Time: Oct 01 11:03:36 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 093024.M
 Quant Title : GC Extractables
 QLast Update : Tue Oct 01 11:02:50 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...	7.862	2264839	21.122 ug/ml
Spiked Amount 50.000		Recovery =	42.24%
6) S 2-Fluorobiphenyl (SURR)	8.732	1330407	21.531 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	43.06%
11) S ortho-Terphenyl (SURR)	11.791	2843284	20.768 ug/ml
Spiked Amount 50.000		Recovery =	41.54%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.474	2728738	20.750 ug/ml
2) T Naphthalene (C11.7)	6.139	2709209	21.065 ug/ml
3) T 2-Methylnaphthalene (...)	7.233	2687558	21.341 ug/ml
5) T Acenaphthylene (C15.06)	8.530	2676198	20.703 ug/ml
7) T Acenaphthene (C15.5)	8.829	2802730	20.546 ug/ml
8) T Fluorene (C16.55)	9.618	2513957	21.046 ug/ml
9) T Phenanthrene (C19.36)	11.020	2436662	21.155 ug/ml
10) T Anthracene (C19.43)	11.096	2544710	21.527 ug/ml
12) T Fluoranthene (C21.85)	12.837	2583318	21.119 ug/ml
13) T Pyrene (C20.8)	13.134	2616183	21.073 ug/ml
14) T Benzo[a]anthracene (C...	15.011	1975006	22.381 ug/mlm
15) T Chrysene (C27.41)	15.053	2854096	19.863 ug/ml
16) T benzo[b]fluoranthene ...	16.567	2156108	22.311 ug/mlm
17) T Bnezo[k]fluoranthene ...	16.597	2759728	20.310 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.946	2228357	20.326 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.320	1178757	18.387 ug/mlm
20) T Dibenz[a,h]anthracene...	18.367	2060619	19.537 ug/ml
21) T Benzo[g,h,i]perylene ...	18.566	2345174	19.296 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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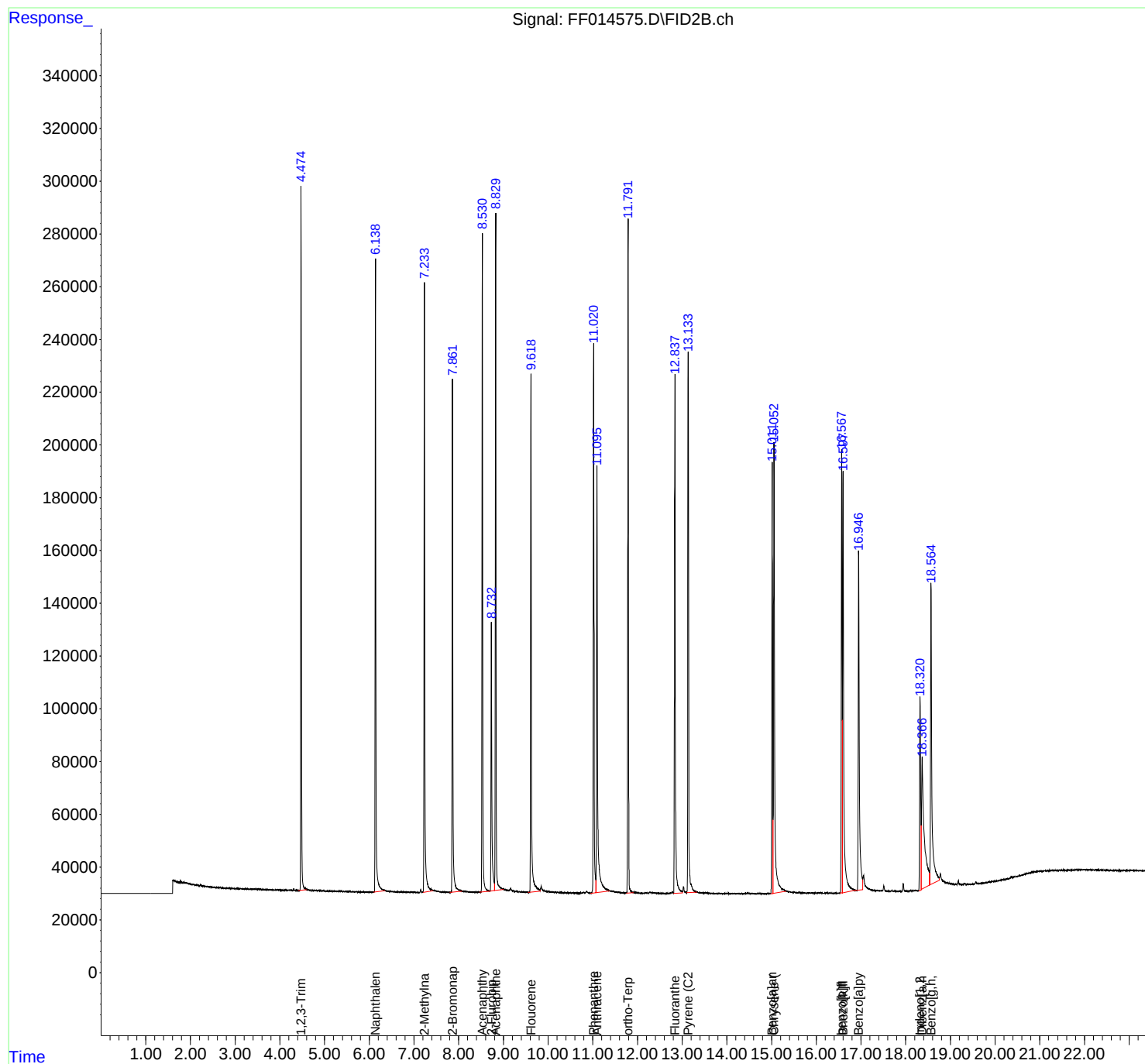
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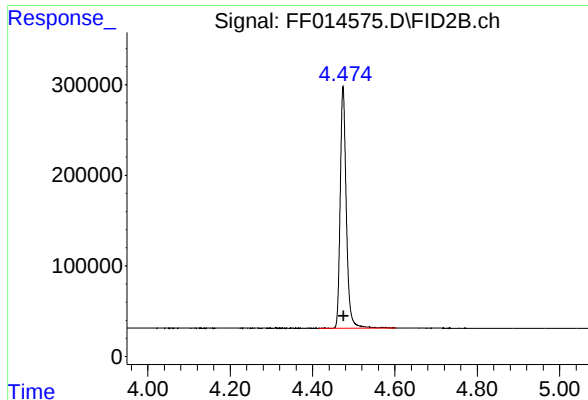
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Signal Info : 20M x 0.18mm x 0.18µm





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

R.T.: 4.474 min
Delta R.T.: -0.002 min
Response: 2728738
Conc: 20.75 ug/ml

Instrument :

FID_F

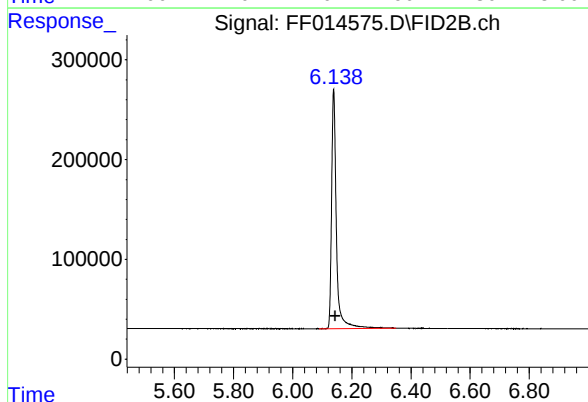
ClientSampleId :

20 PPM AROMATIC HC STD ICV

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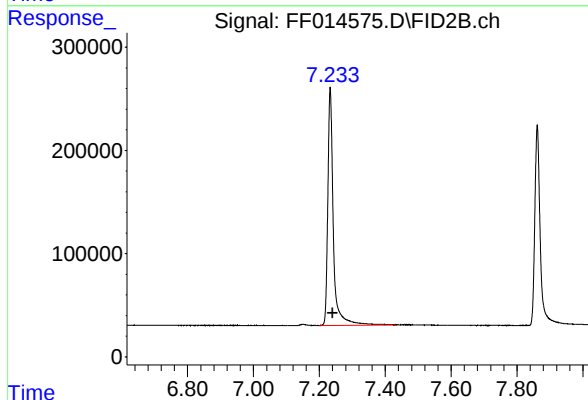
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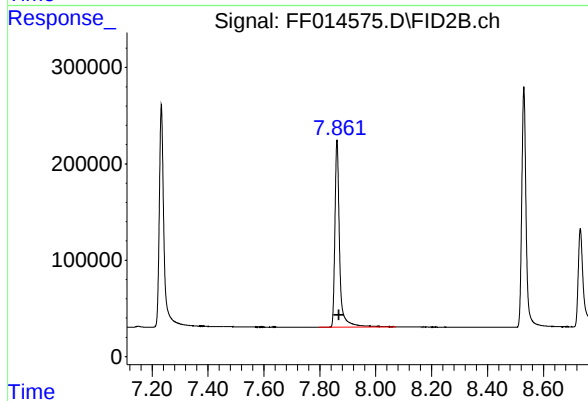
#2 Naphthalene (C11.7)

R.T.: 6.139 min
Delta R.T.: -0.005 min
Response: 2709209
Conc: 21.06 ug/ml



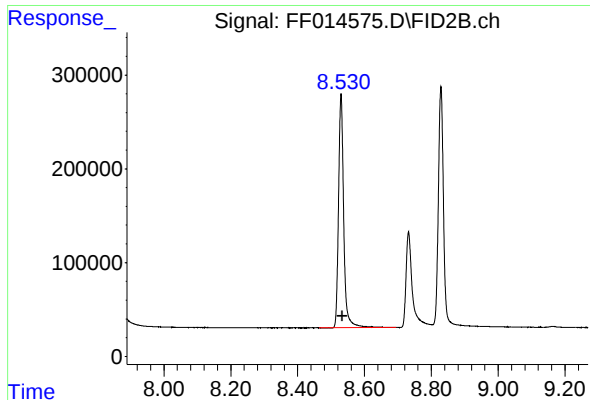
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.233 min
Delta R.T.: -0.007 min
Response: 2687558
Conc: 21.34 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.862 min
Delta R.T.: -0.007 min
Response: 2264839
Conc: 21.12 ug/ml



#5 Acenaphthylene (C15.06)

R.T.: 8.530 min
Delta R.T.: -0.004 min
Response: 2676198
Conc: 20.70 ug/ml

Instrument :

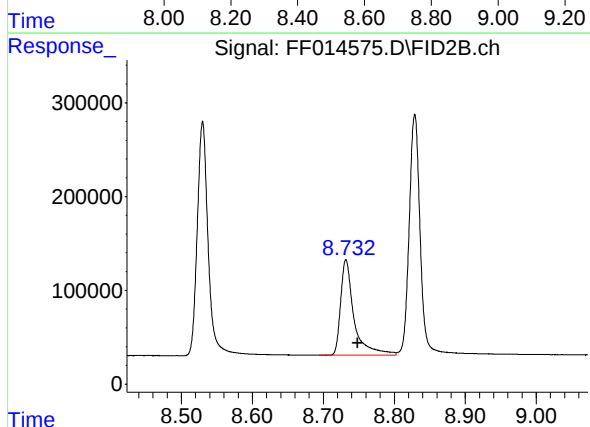
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ClientSampleId :

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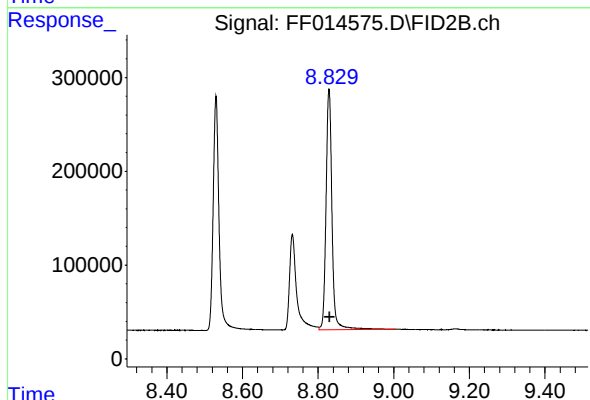
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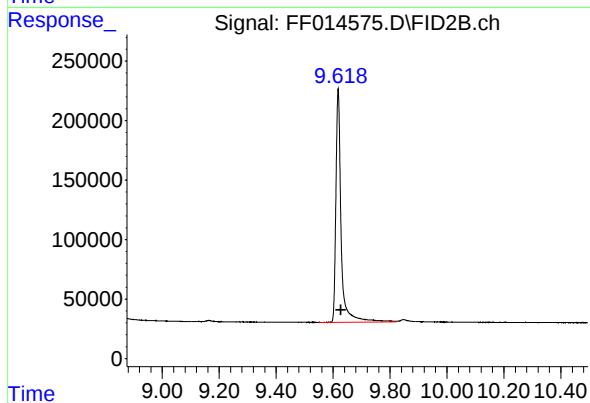
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.732 min
Delta R.T.: -0.016 min
Response: 1330407
Conc: 21.53 ug/ml



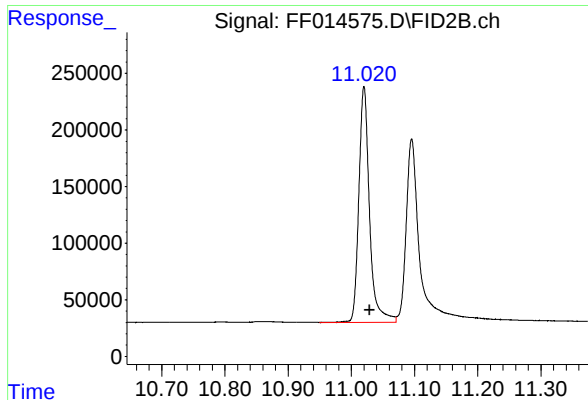
#7 Acenaphthene (C15.5)

R.T.: 8.829 min
Delta R.T.: -0.002 min
Response: 2802730
Conc: 20.55 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.618 min
Delta R.T.: -0.009 min
Response: 2513957
Conc: 21.05 ug/ml



#9 Phenanthrene (C19.36)

R.T.: 11.020 min
Delta R.T.: -0.009 min
Response: 2436662
Conc: 21.15 ug/ml

Instrument :

FID_F

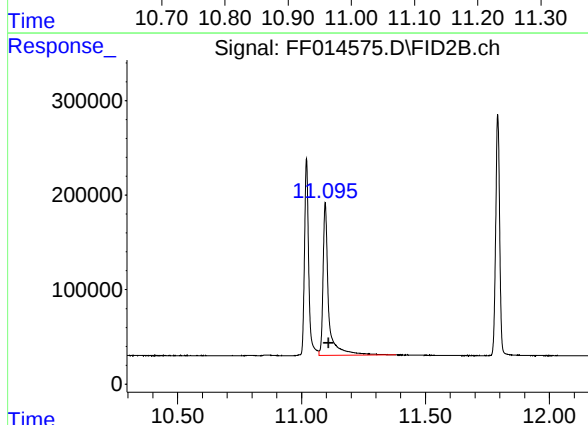
ClientSampleId :

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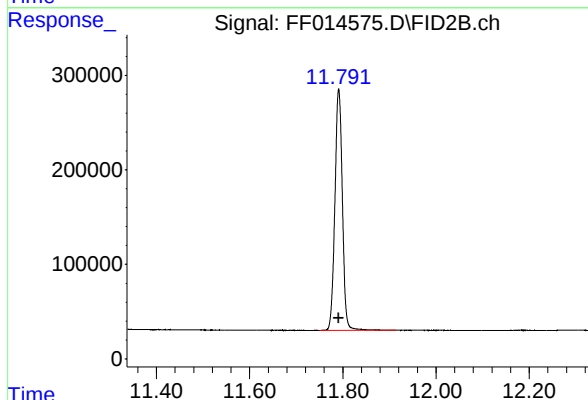
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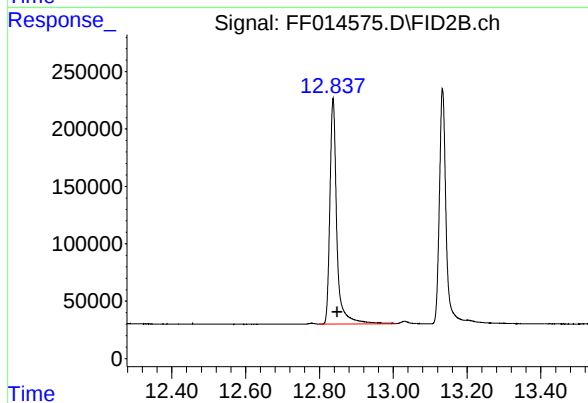
#10 Anthracene (C19.43)

R.T.: 11.096 min
Delta R.T.: -0.014 min
Response: 2544710
Conc: 21.53 ug/ml



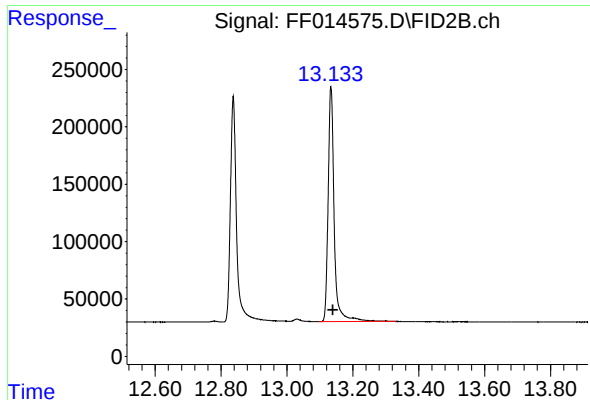
#11 ortho-Terphenyl (SURR)

R.T.: 11.791 min
Delta R.T.: 0.000 min
Response: 2843284
Conc: 20.77 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.837 min
Delta R.T.: -0.011 min
Response: 2583318
Conc: 21.12 ug/ml



#13 Pyrene (C20.8)

R.T.: 13.134 min
Delta R.T.: -0.006 min
Response: 2616183
Conc: 21.07 ug/ml

Instrument :

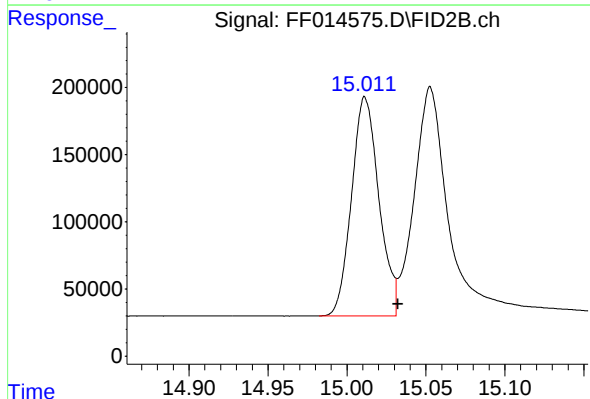
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ClientSampleId :

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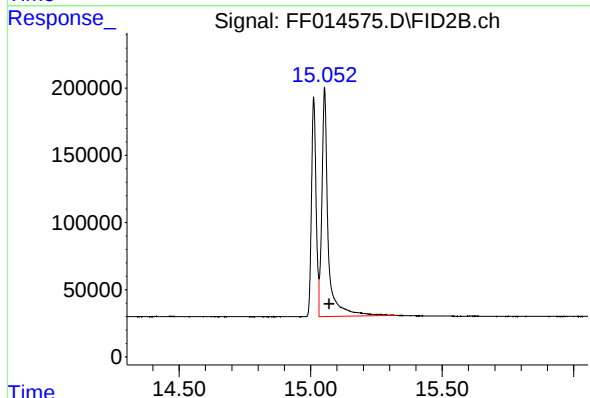
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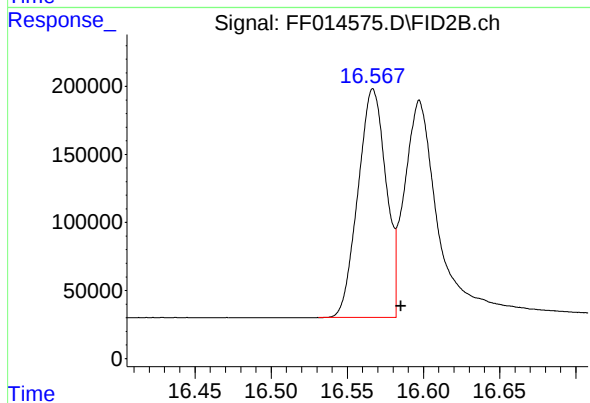
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.011 min
Delta R.T.: -0.022 min
Response: 1975006
Conc: 22.38 ug/ml m



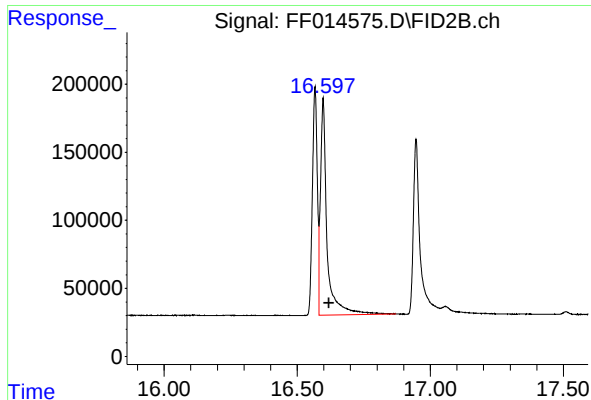
#15 Chrysene (C27.41)

R.T.: 15.053 min
Delta R.T.: -0.019 min
Response: 2854096
Conc: 19.86 ug/ml



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

R.T.: 16.567 min
Delta R.T.: -0.019 min
Response: 2156108
Conc: 22.31 ug/ml m



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

R.T.: 16.597 min
Delta R.T.: -0.022 min
Response: 2759728
Conc: 20.31 ug/ml

Instrument :

FID_F

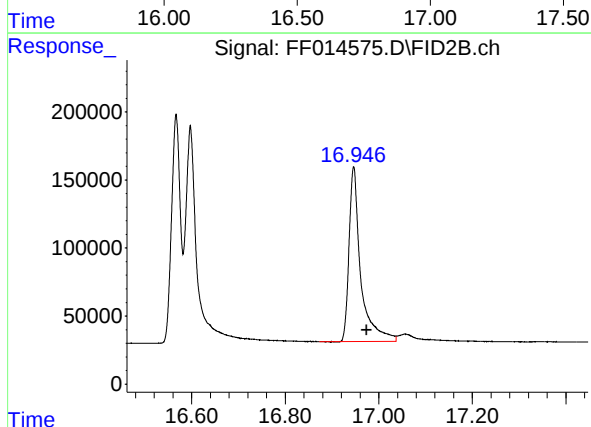
ClientSampleId :

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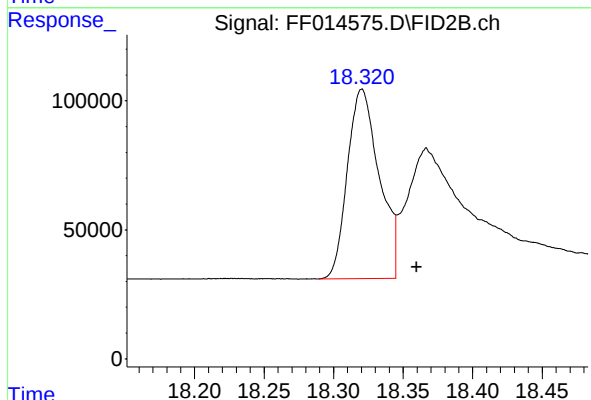
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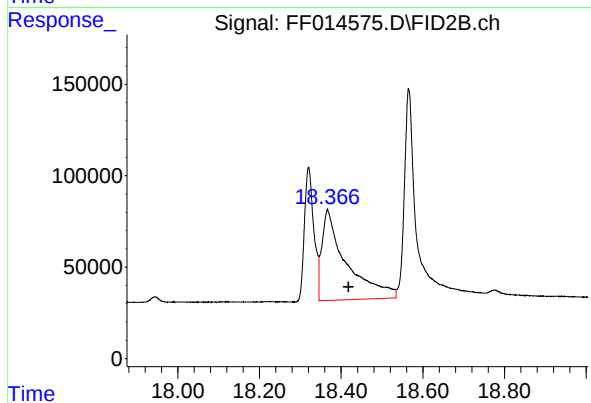
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.946 min
Delta R.T.: -0.028 min
Response: 2228357
Conc: 20.33 ug/ml



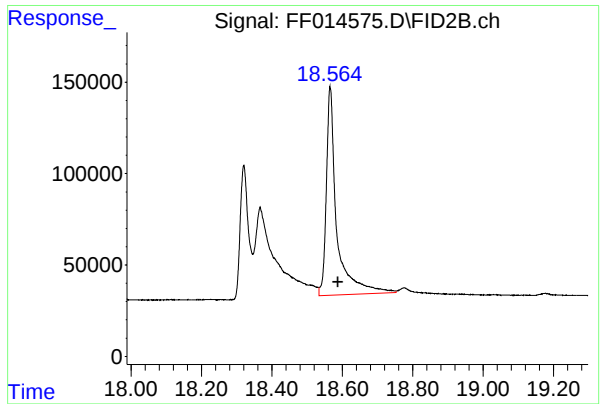
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.320 min
Delta R.T.: -0.039 min
Response: 1178757
Conc: 18.39 ug/ml m



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

R.T.: 18.367 min
Delta R.T.: -0.051 min
Response: 2060619
Conc: 19.54 ug/ml



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

R.T.: 18.566 min
Delta R.T.: -0.022 min
Response: 2345174
Conc: 19.30 ug/ml

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