

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF102124AR\
 Data File : FF014714.D
 Signal(s) : FID2B.ch
 Acq On : 21 Oct 2024 19:40
 Operator : YP\AJ
 Sample : 100 PPM AROMATIC HC STD1
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 FID_F
 ClientSampleId :
 100 PPM AROMATIC HC STD1

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/22/2024
 Supervised By :Ankita Jodhani 10/22/2024

Integration File: autoint1.e
 Quant Time: Oct 22 04:08:55 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 102124.M
 Quant Title : GC Extractables
 QLast Update : Tue Oct 22 04:07:29 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...	7.984	12685568	89.862 ug/ml
Spiked Amount 50.000		Recovery =	179.72%
6) S 2-Fluorobiphenyl (SURR)	8.857	8681224	90.742 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	181.48%#
11) S ortho-Terphenyl (SURR)	11.920	14564828	89.931 ug/ml
Spiked Amount 50.000		Recovery =	179.86%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.600	14027819	90.864 ug/ml
2) T Naphthalene (C11.7)	6.265	14762105	90.859 ug/ml
3) T 2-Methylnaphthalene (...)	7.359	14917264	90.597 ug/ml
5) T Acenaphthylene (C15.06)	8.659	14643320	90.901 ug/ml
7) T Acenaphthene (C15.5)	8.961	14595487	90.777 ug/ml
8) T Flouorene (C16.55)	9.748	14501218	90.677 ug/ml
9) T Phenanthrene (C19.36)	11.152	14480416	90.605 ug/ml
10) T Anthracene (C19.43)	11.229	13790271	90.341 ug/ml
12) T Fluoranthene (C21.85)	12.972	14408878	90.224 ug/ml
13) T Pyrene (C20.8)	13.272	14308917	90.420 ug/ml
14) T Benzo[a]anthracene (C...	15.148	13979366	90.721 ug/ml
15) T Chrysene (C27.41)	15.198	14104588	90.289 ug/ml
16) T benzo[b]fluoranthene ...	16.706	14247840	92.074 ug/ml
17) T Bnezo[k]fluoranthene ...	16.747	13351009	91.598 ug/mlm
18) T Benzo[a]pyrene (C31.34)	17.091	13733570	90.762 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.459	13173471	95.486 ug/ml
20) T Dibenz[a,h]anthracene...	18.504	12746788	86.892 ug/mlm
21) T Benzo[g,h,i]perylene ...	18.723	13262274	91.451 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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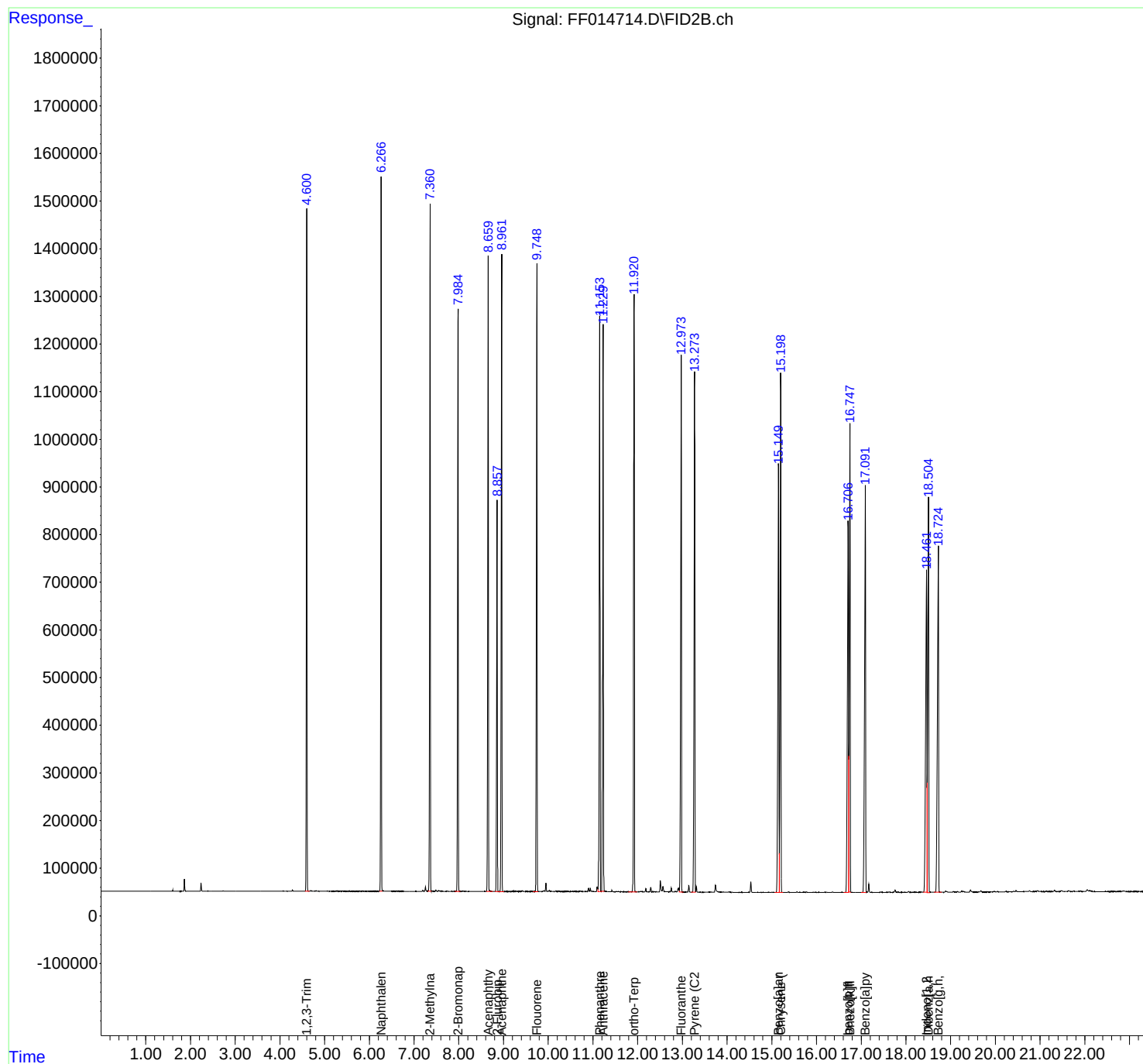
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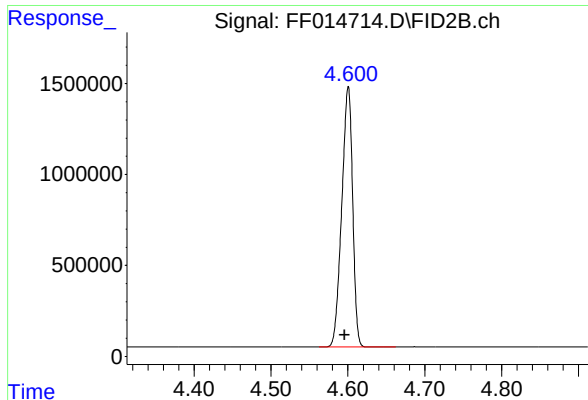
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#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.600 min
Delta R.T.: 0.004 min
Response: 14027819
Conc: 90.86 ug/ml

Instrument :

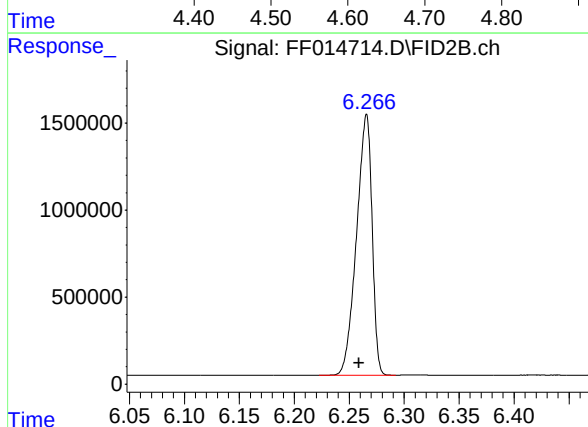
FID_F

ClientSampleId :

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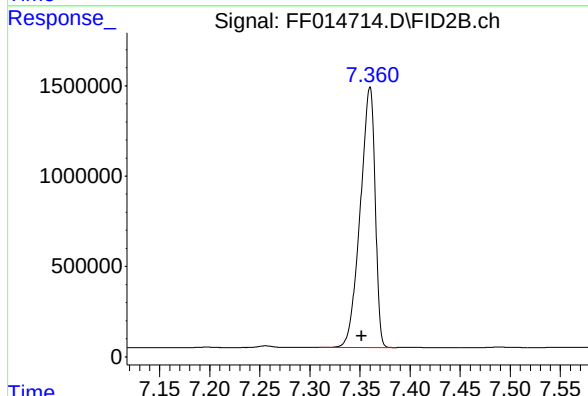
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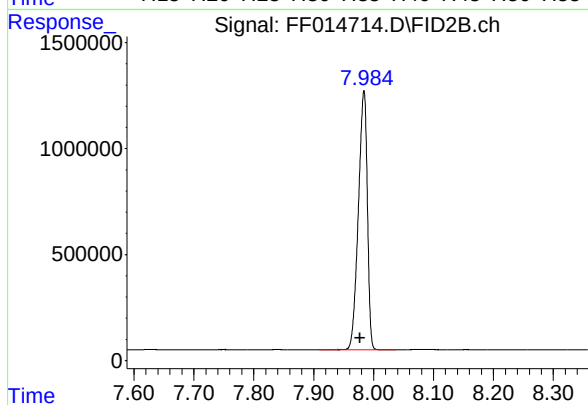
#2 Naphthalene (C11.7)

R.T.: 6.265 min
Delta R.T.: 0.006 min
Response: 14762105
Conc: 90.86 ug/ml



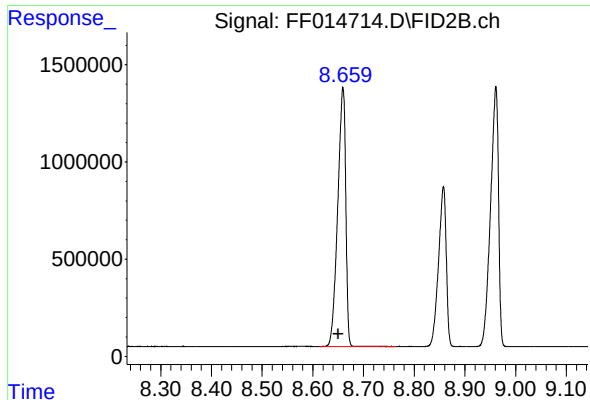
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.359 min
Delta R.T.: 0.008 min
Response: 14917264
Conc: 90.60 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.984 min
Delta R.T.: 0.006 min
Response: 12685568
Conc: 89.86 ug/ml



#5 Acenaphthylene (C15.06)

R.T.: 8.659 min
Delta R.T.: 0.009 min
Response: 14643320
Conc: 90.90 ug/ml

Instrument :

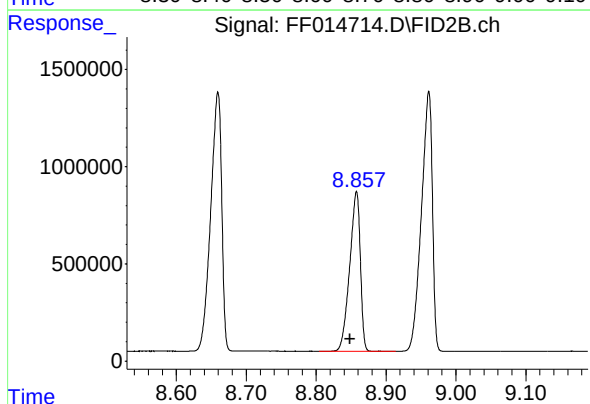
FID_F

ClientSampleId :

100 PPM AROMATIC HC STD1

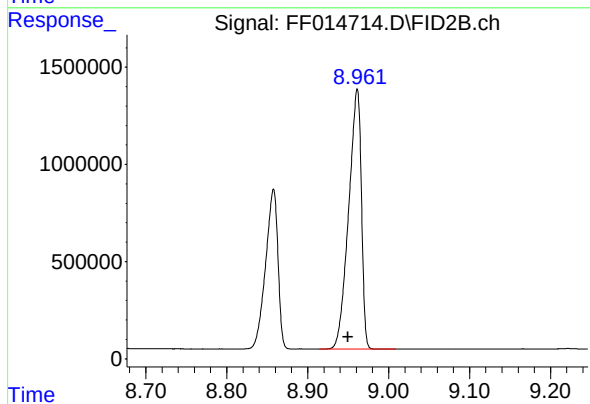
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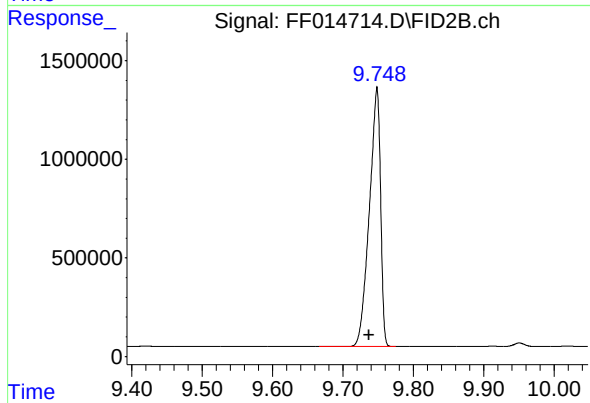
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.857 min
Delta R.T.: 0.008 min
Response: 8681224
Conc: 90.74 ug/ml



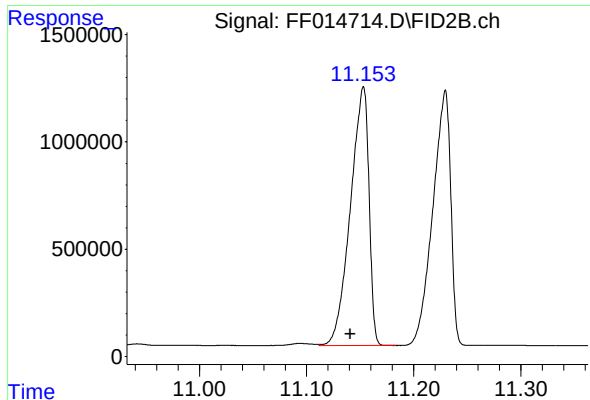
#7 Acenaphthene (C15.5)

R.T.: 8.961 min
Delta R.T.: 0.011 min
Response: 14595487
Conc: 90.78 ug/ml



#8 Fluorene (C16.55)

R.T.: 9.748 min
Delta R.T.: 0.011 min
Response: 14501218
Conc: 90.68 ug/ml



#9 Phenanthrene (C19.36)

R.T.: 11.152 min
Delta R.T.: 0.011 min
Response: 14480416
Conc: 90.61 ug/ml

Instrument :

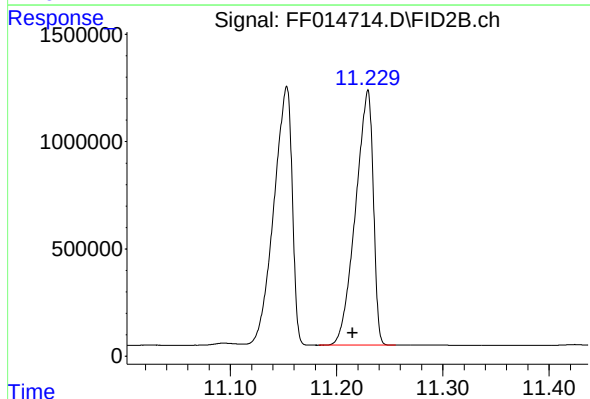
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ClientSampleId :

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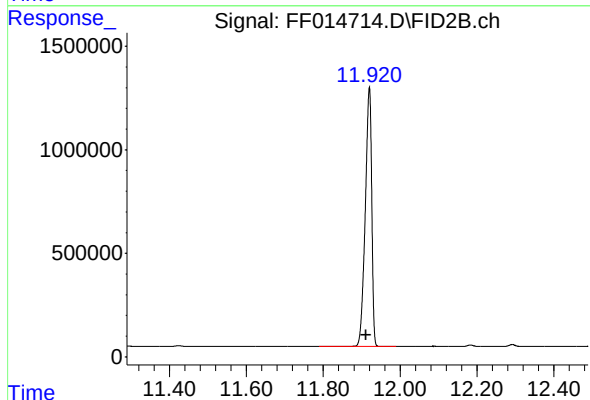
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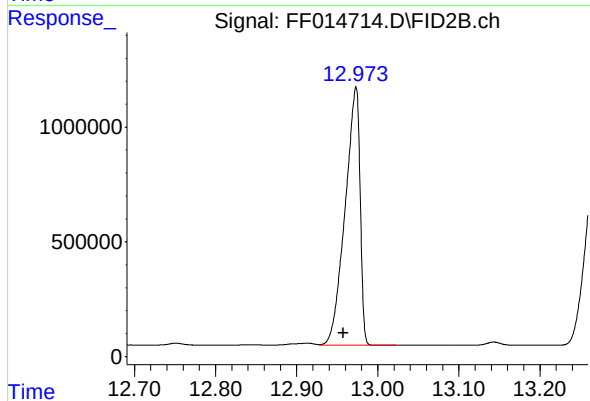
#10 Anthracene (C19.43)

R.T.: 11.229 min
Delta R.T.: 0.014 min
Response: 13790271
Conc: 90.34 ug/ml



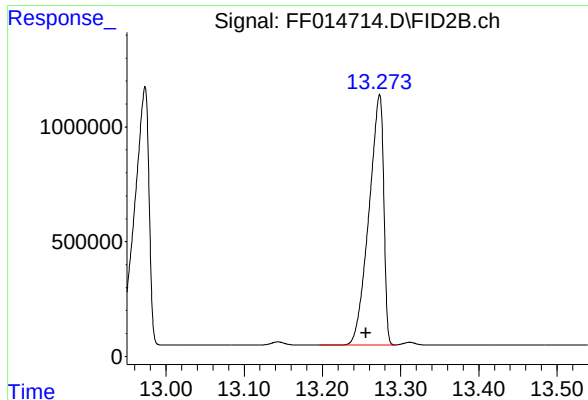
#11 ortho-Terphenyl (SURR)

R.T.: 11.920 min
Delta R.T.: 0.008 min
Response: 14564828
Conc: 89.93 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.972 min
Delta R.T.: 0.014 min
Response: 14408878
Conc: 90.22 ug/ml



#13 Pyrene (C20.8)

R.T.: 13.272 min
Delta R.T.: 0.016 min
Response: 14308917
Conc: 90.42 ug/ml

Instrument :

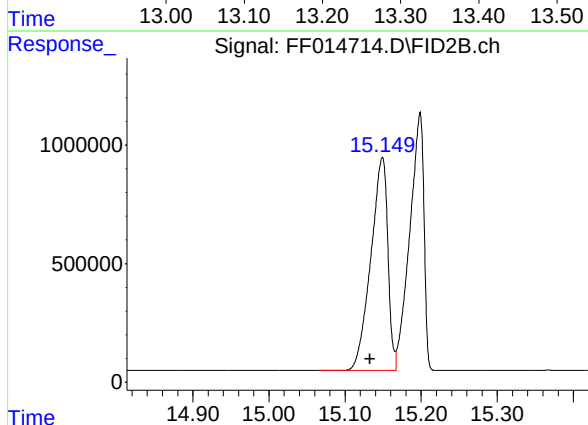
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ClientSampleId :

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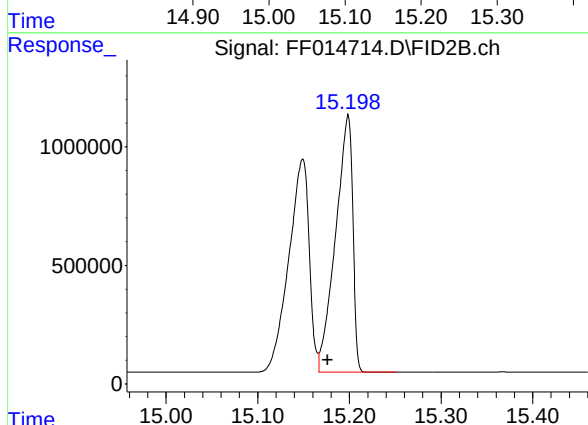
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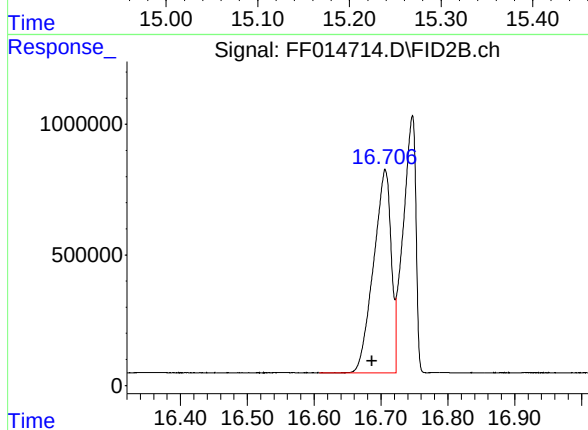
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.148 min
Delta R.T.: 0.016 min
Response: 13979366
Conc: 90.72 ug/ml



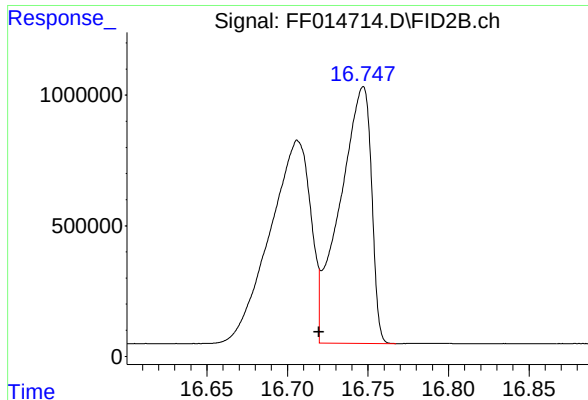
#15 Chrysene (C27.41)

R.T.: 15.198 min
Delta R.T.: 0.021 min
Response: 14104588
Conc: 90.29 ug/ml



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

R.T.: 16.706 min
Delta R.T.: 0.019 min
Response: 14247840
Conc: 92.07 ug/ml



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

R.T.: 16.747 min
Delta R.T.: 0.027 min
Response: 13351009
Conc: 91.60 ug/ml

Instrument :

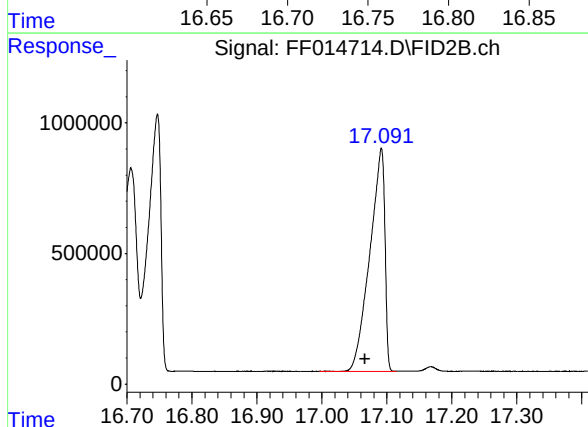
FID_F

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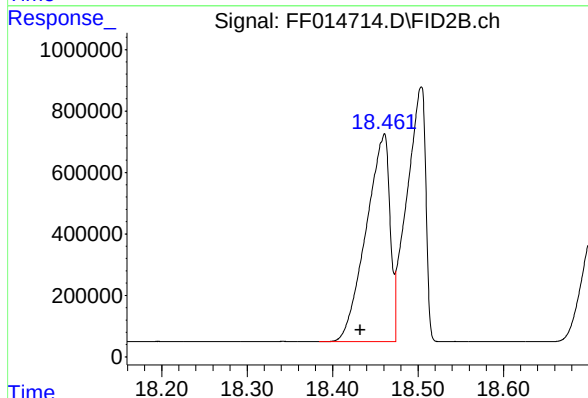
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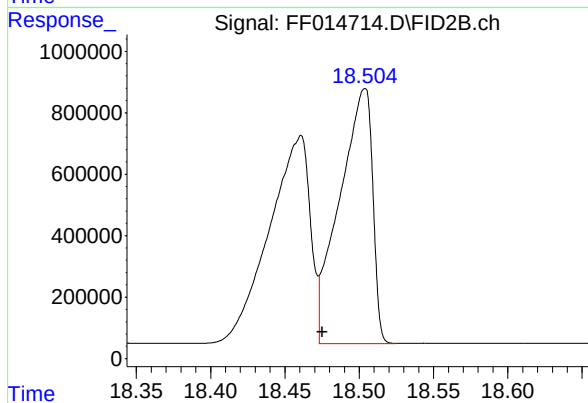
#18 Benzo[a]pyrene (C31.34)

R.T.: 17.091 min
Delta R.T.: 0.025 min
Response: 13733570
Conc: 90.76 ug/ml



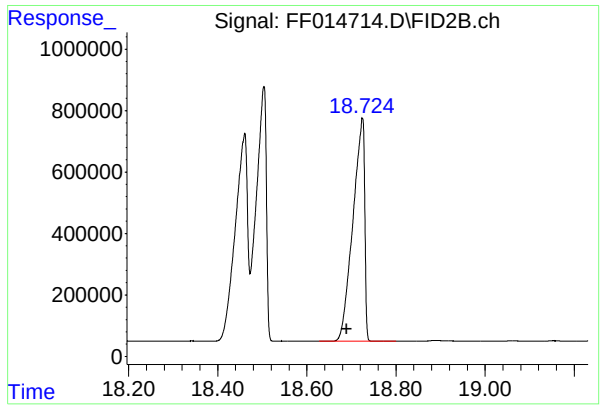
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.459 min
Delta R.T.: 0.027 min
Response: 13173471
Conc: 95.49 ug/ml



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

R.T.: 18.504 min
Delta R.T.: 0.029 min
Response: 12746788
Conc: 86.89 ug/ml m



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

R.T.: 18.723 min
Delta R.T.: 0.034 min
Response: 13262274
Conc: 91.45 ug/ml

Instrument :

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