

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF031725AR\
 Data File : FF015680.D
 Signal(s) : FID2B.ch
 Acq On : 17 Mar 2025 14:36
 Operator : YP\AJ
 Sample : 20 PPM AROMATIC HC STD ICV
 Misc :
 ALS Vial : 76 Sample Multiplier: 1

Instrument :
 FID_F
 ClientSampleId :
 20 PPM AROMATIC HC STD ICV

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 03/18/2025
 Supervised By :mohammad ahmed 03/19/2025

Integration File: autoint1.e
 Quant Time: Mar 17 14:56:17 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 031725.M
 Quant Title : GC Extractables
 QLast Update : Mon Mar 17 14:23:49 2025
 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...	7.999	2060103	19.918 ug/ml
Spiked Amount 50.000		Recovery =	39.84%
6) S 2-Fluorobiphenyl (SURR)	8.880	1228764	20.574 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	41.15%
11) S ortho-Terphenyl (SURR)	11.935	2512932	19.527 ug/ml
Spiked Amount 50.000		Recovery =	39.05%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.605	2349221	19.582 ug/ml
2) T Naphthalene (C11.7)	6.277	2293800	19.968 ug/ml
3) T 2-Methylnaphthalene (...)	7.373	2254609	19.959 ug/ml
5) T Acenaphthylene (C15.06)	8.675	2459420	19.702 ug/ml
7) T Acenaphthene (C15.5)	8.972	2512180	19.447 ug/ml
8) T Fluorene (C16.55)	9.764	2365969	19.807 ug/ml
9) T Phenanthrene (C19.36)	11.173	2228876	19.911 ug/ml
10) T Anthracene (C19.43)	11.250	2154229	20.088 ug/ml
12) T Fluoranthene (C21.85)	12.998	2331893	19.715 ug/ml
13) T Pyrene (C20.8)	13.296	2367636	19.775 ug/ml
14) T Benzo[a]anthracene (C...	15.182	1853891	20.201 ug/ml
15) T Chrysene (C27.41)	15.222	2355293	19.776 ug/ml
16) T benzo[b]fluoranthene ...	16.744	2068383	20.235 ug/ml
17) T Bnezo[k]fluoranthene ...	16.774	2332148	19.486 ug/ml
18) T Benzo[a]pyrene (C31.34)	17.130	2058058	20.071 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.505	1544480	18.782 ug/mlm
20) T Dibenz[a,h]anthracene...	18.543	2355991	20.024 ug/ml
21) T Benzo[g,h,i]perylene ...	18.758	2220877	19.405 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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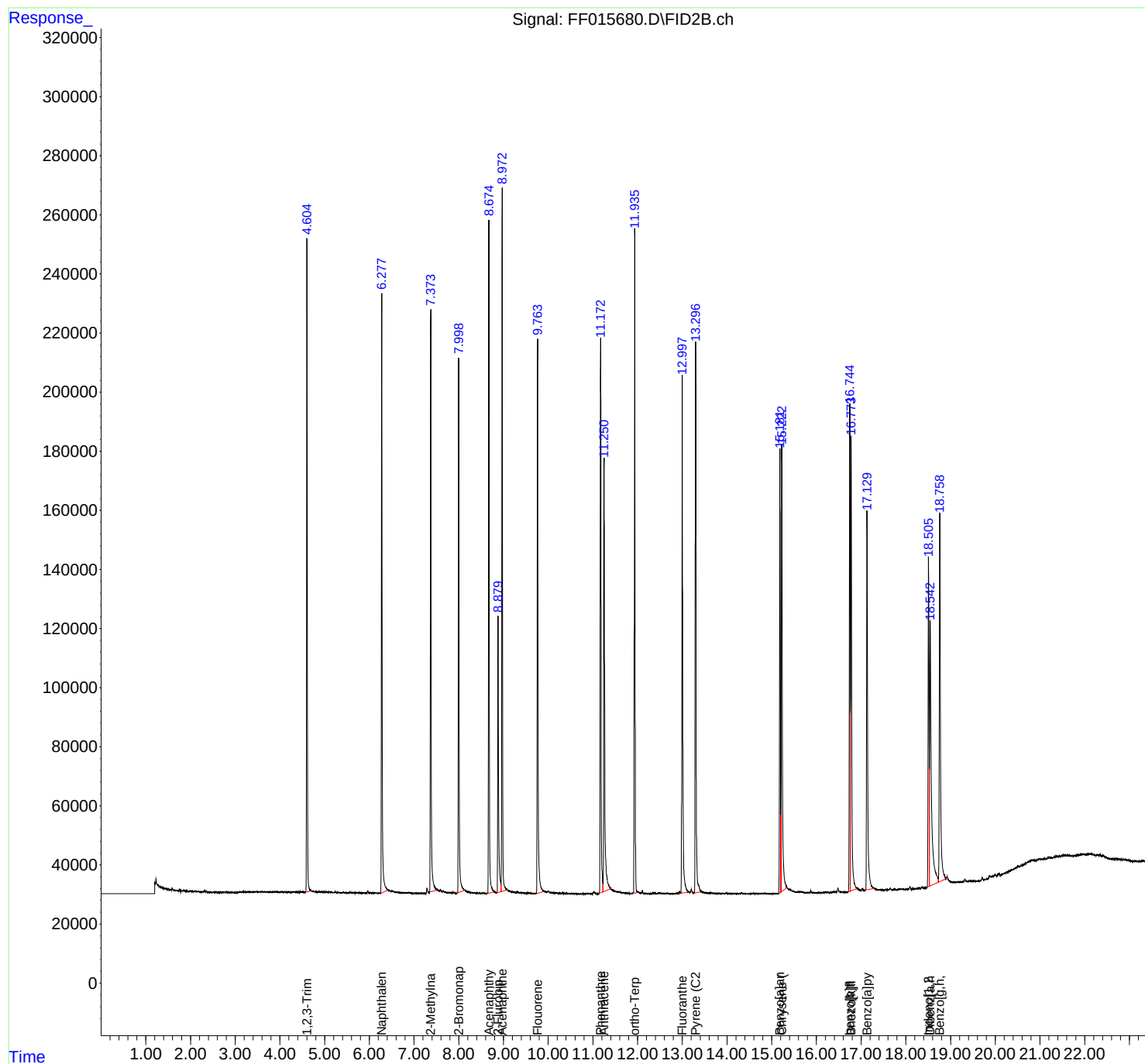
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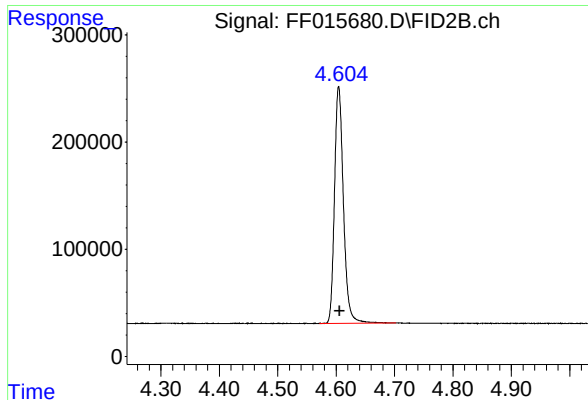
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#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.605 min
Delta R.T.: -0.001 min
Response: 2349221
Conc: 19.58 ug/ml

Instrument :

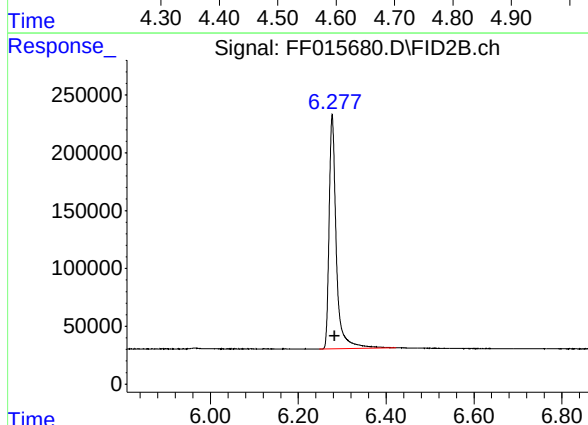
FID_F

ClientSampleId :

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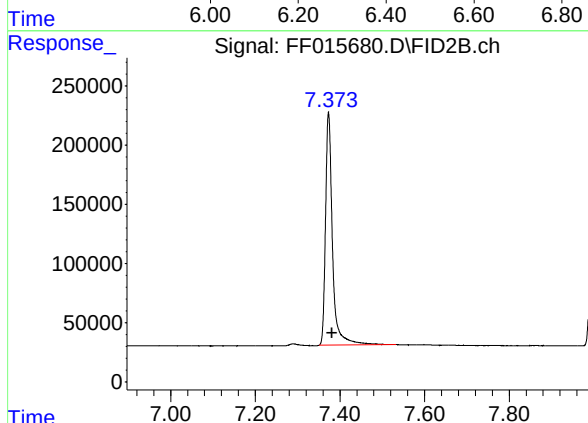
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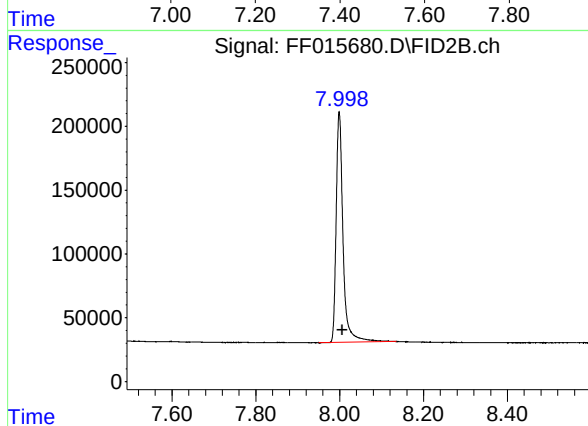
#2 Naphthalene (C11.7)

R.T.: 6.277 min
Delta R.T.: -0.006 min
Response: 2293800
Conc: 19.97 ug/ml



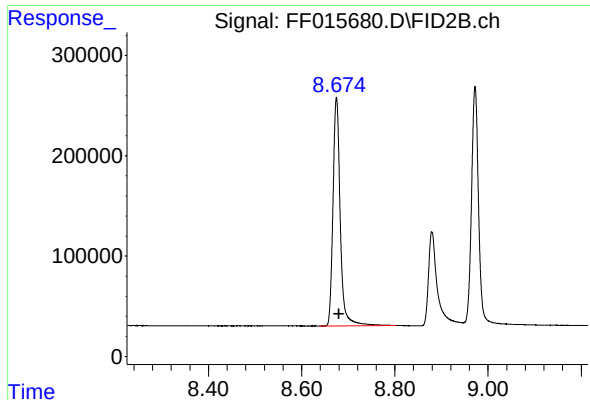
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.373 min
Delta R.T.: -0.008 min
Response: 2254609
Conc: 19.96 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.999 min
Delta R.T.: -0.008 min
Response: 2060103
Conc: 19.92 ug/ml



#5 Acenaphthylene (C15.06)

R.T.: 8.675 min
Delta R.T.: -0.005 min
Response: 2459420
Conc: 19.70 ug/ml

Instrument :

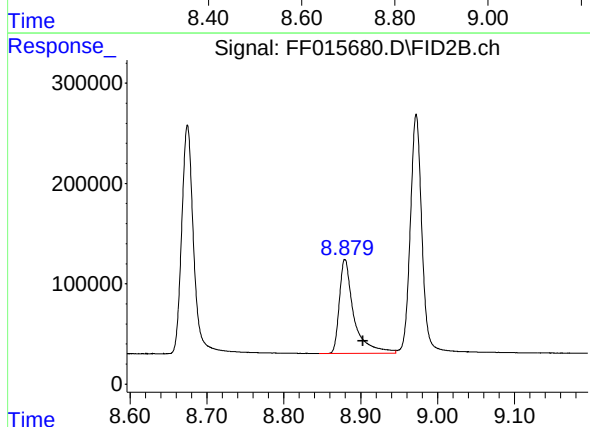
FID_F

ClientSampleId :

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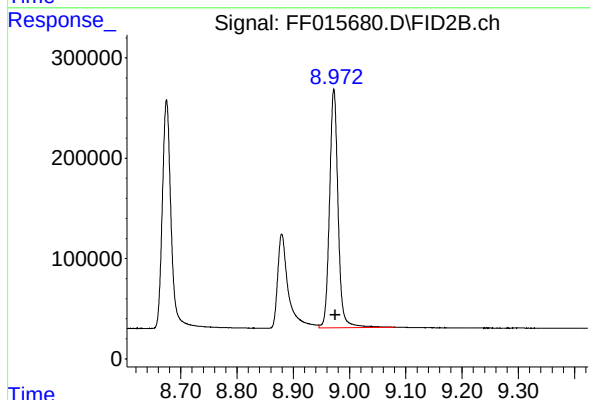
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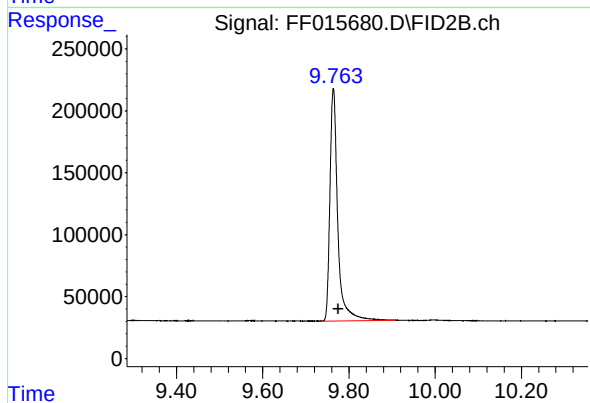
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.880 min
Delta R.T.: -0.023 min
Response: 1228764
Conc: 20.57 ug/ml



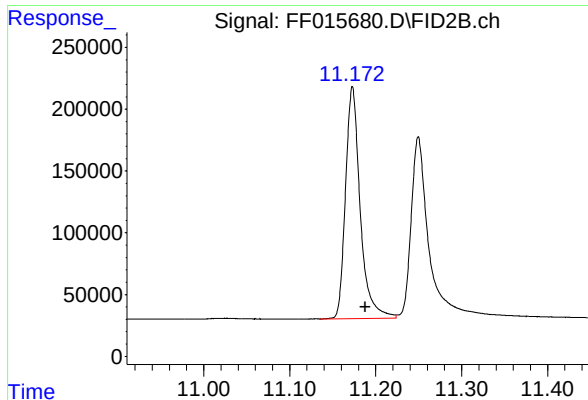
#7 Acenaphthene (C15.5)

R.T.: 8.972 min
Delta R.T.: -0.003 min
Response: 2512180
Conc: 19.45 ug/ml



#8 Fluorene (C16.55)

R.T.: 9.764 min
Delta R.T.: -0.011 min
Response: 2365969
Conc: 19.81 ug/ml



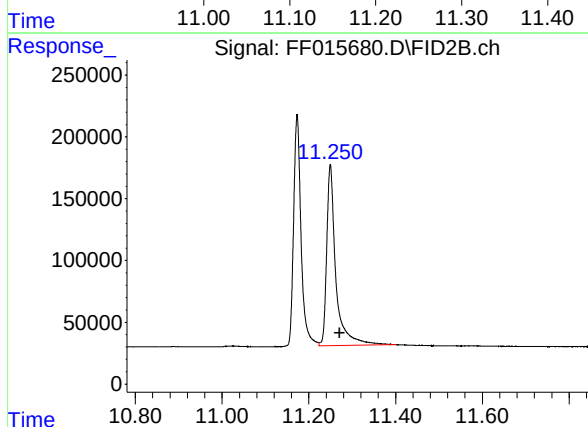
#9 Phenanthrene (C19.36)

R.T.: 11.173 min
Delta R.T.: -0.015 min
Response: 2228876
Conc: 19.91 ug/ml

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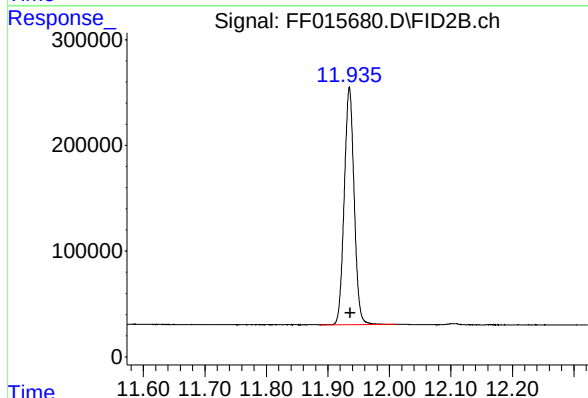
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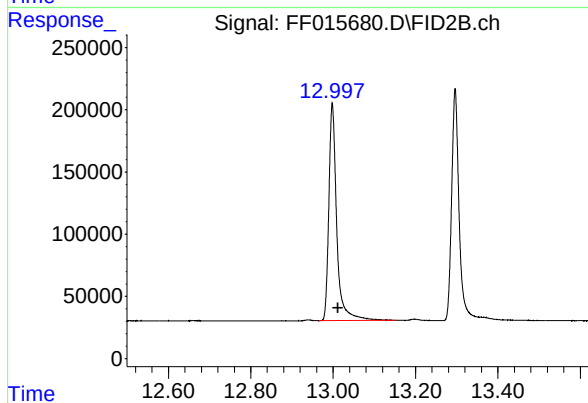
#10 Anthracene (C19.43)

R.T.: 11.250 min
Delta R.T.: -0.021 min
Response: 2154229
Conc: 20.09 ug/ml



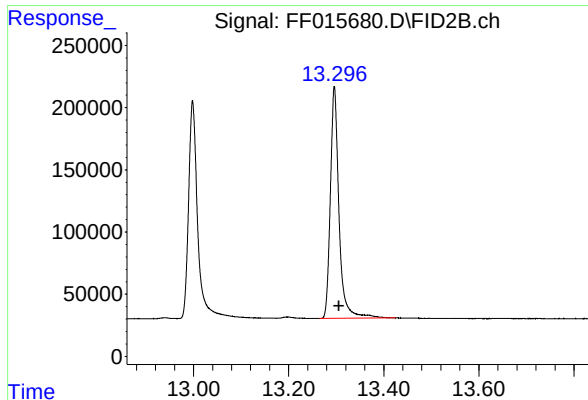
#11 ortho-Terphenyl (SURR)

R.T.: 11.935 min
Delta R.T.: -0.002 min
Response: 2512932
Conc: 19.53 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.998 min
Delta R.T.: -0.014 min
Response: 2331893
Conc: 19.72 ug/ml



#13 Pyrene (C20.8)

R.T.: 13.296 min
Delta R.T.: -0.009 min
Response: 2367636
Conc: 19.77 ug/ml

Instrument :

FID_F

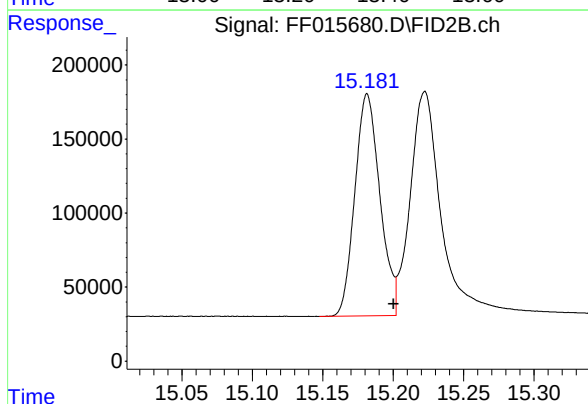
ClientSampleId :

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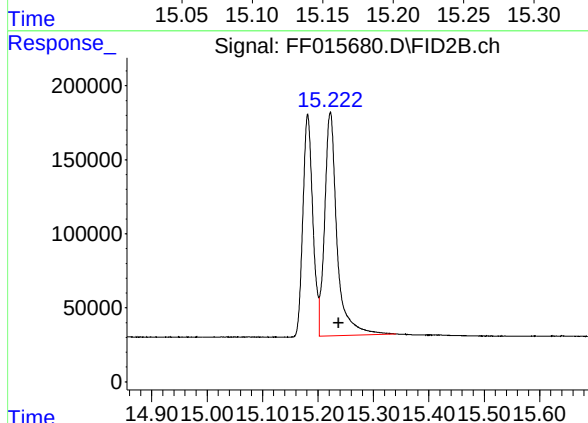
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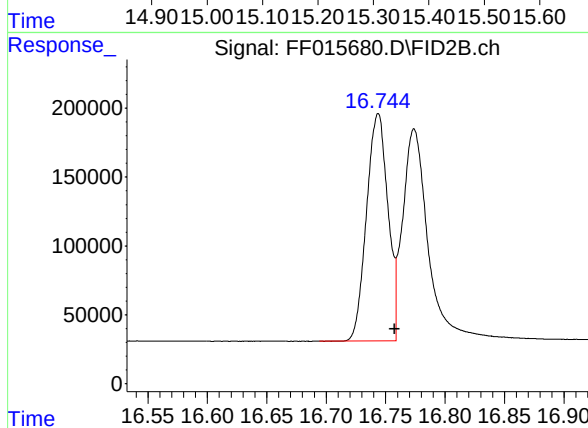
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.182 min
Delta R.T.: -0.019 min
Response: 1853891
Conc: 20.20 ug/ml



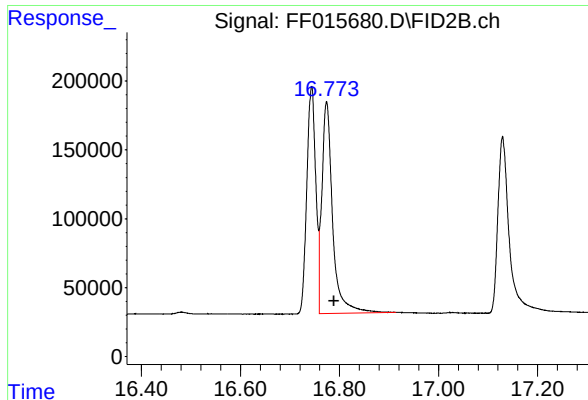
#15 Chrysene (C27.41)

R.T.: 15.222 min
Delta R.T.: -0.015 min
Response: 2355293
Conc: 19.78 ug/ml



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

R.T.: 16.744 min
Delta R.T.: -0.014 min
Response: 2068383
Conc: 20.24 ug/ml



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

R.T.: 16.774 min
Delta R.T.: -0.015 min
Response: 2332148
Conc: 19.49 ug/ml

Instrument :

FID_F

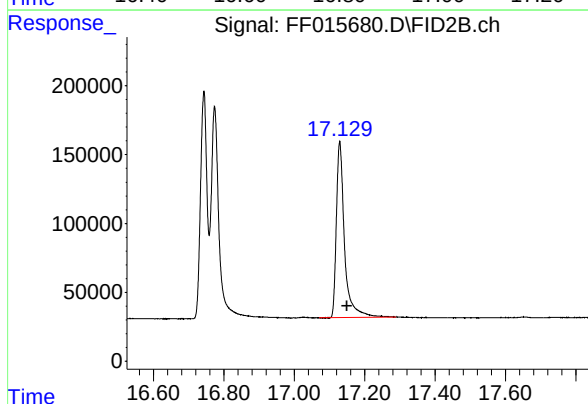
ClientSampleId :

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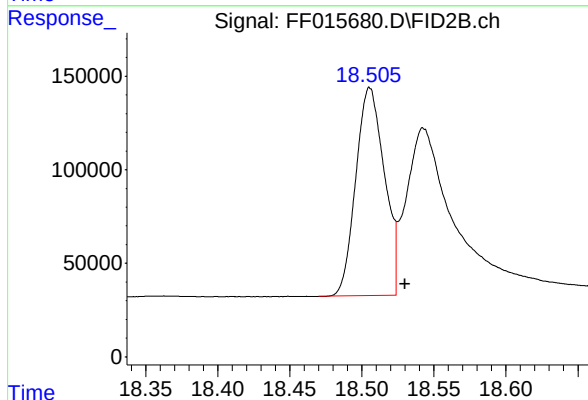
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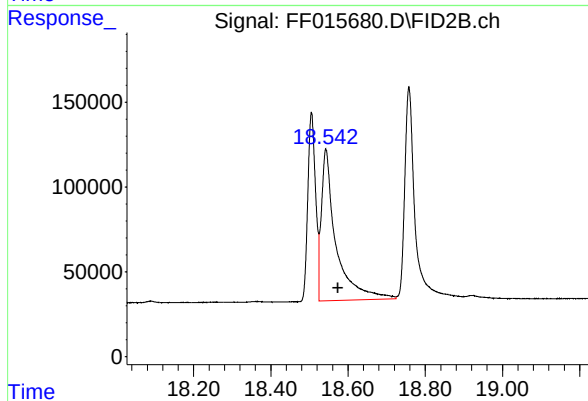
#18 Benzo[a]pyrene (C31.34)

R.T.: 17.130 min
Delta R.T.: -0.020 min
Response: 2058058
Conc: 20.07 ug/ml



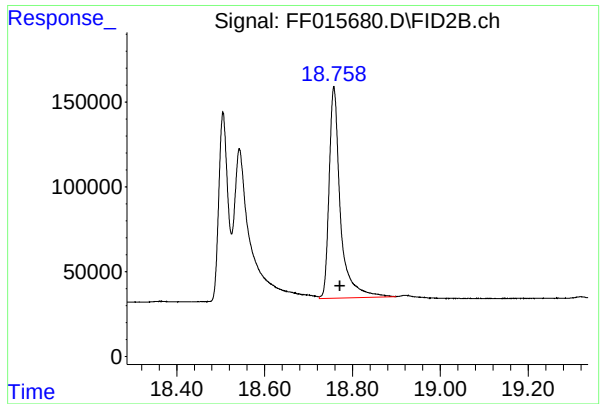
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.505 min
Delta R.T.: -0.025 min
Response: 1544480
Conc: 18.78 ug/ml m



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

R.T.: 18.543 min
Delta R.T.: -0.031 min
Response: 2355991
Conc: 20.02 ug/ml



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

R.T.: 18.758 min
Delta R.T.: -0.014 min
Response: 2220877
Conc: 19.40 ug/ml

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