

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG112625AR\
 Data File : FG017011.D
 Signal(s) : FID1A.ch
 Acq On : 26 Nov 2025 16:16
 Operator : YP\AJ
 Sample : 100 PPM AROMATIC HC STD1
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 100 PPM AROMATIC HC STD1

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 12/01/2025
 Supervised By :mohammad ahmed 12/02/2025

Integration File: autoint1.e
 Quant Time: Dec 01 08:39:05 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 112625.M
 Quant Title : GC Extractables
 QLast Update : Mon Dec 01 08:38:31 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...	8.072	11009779	104.051 ug/ml
Spiked Amount 50.000		Recovery =	208.10%
6) S 2-Fluorobiphenyl (SURR)	8.955	7245431	120.648 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	241.30%#
11) S ortho-Terphenyl (SURR)	12.037	13255074	88.678 ug/ml
Spiked Amount 50.000		Recovery =	177.36%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.656	12638734	90.755 ug/ml
2) T Naphthalene (C11.7)	6.339	13063894	97.963 ug/ml
3) T 2-Methylnaphthalene (...)	7.443	12896336	99.765 ug/ml
5) T Acenaphthylene (C15.06)	8.754	12903471	101.453 ug/ml
7) T Acenaphthene (C15.5)	9.056	13315706	95.274 ug/ml
8) T Flouorene (C16.55)	9.851	12721377	103.146 ug/ml
9) T Phenanthrene (C19.36)	11.267	12116842	98.973 ug/ml
10) T Anthracene (C19.43)	11.344	12127664	92.382 ug/ml
12) T Fluoranthene (C21.85)	13.103	12480794	93.264 ug/ml
13) T Pyrene (C20.8)	13.405	12173892	89.363 ug/ml
14) T Benzo[a]anthracene (C...	15.299	10871187	108.600 ug/ml
15) T Chrysene (C27.41)	15.346	12340888	83.305 ug/ml
16) T benzo[b]fluoranthene ...	16.872	10924353	102.357 ug/ml
17) T Bnezo[k]fluoranthene ...	16.909	10562655	77.384 ug/mlm
18) T Benzo[a]pyrene (C31.34)	17.257	10793496	100.403 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.640	9182722	108.206 ug/ml
20) T Dibenz[a,h]anthracene...	18.677	11264635	76.100 ug/ml
21) T Benzo[g,h,i]perylene ...	18.901	10666923	87.206 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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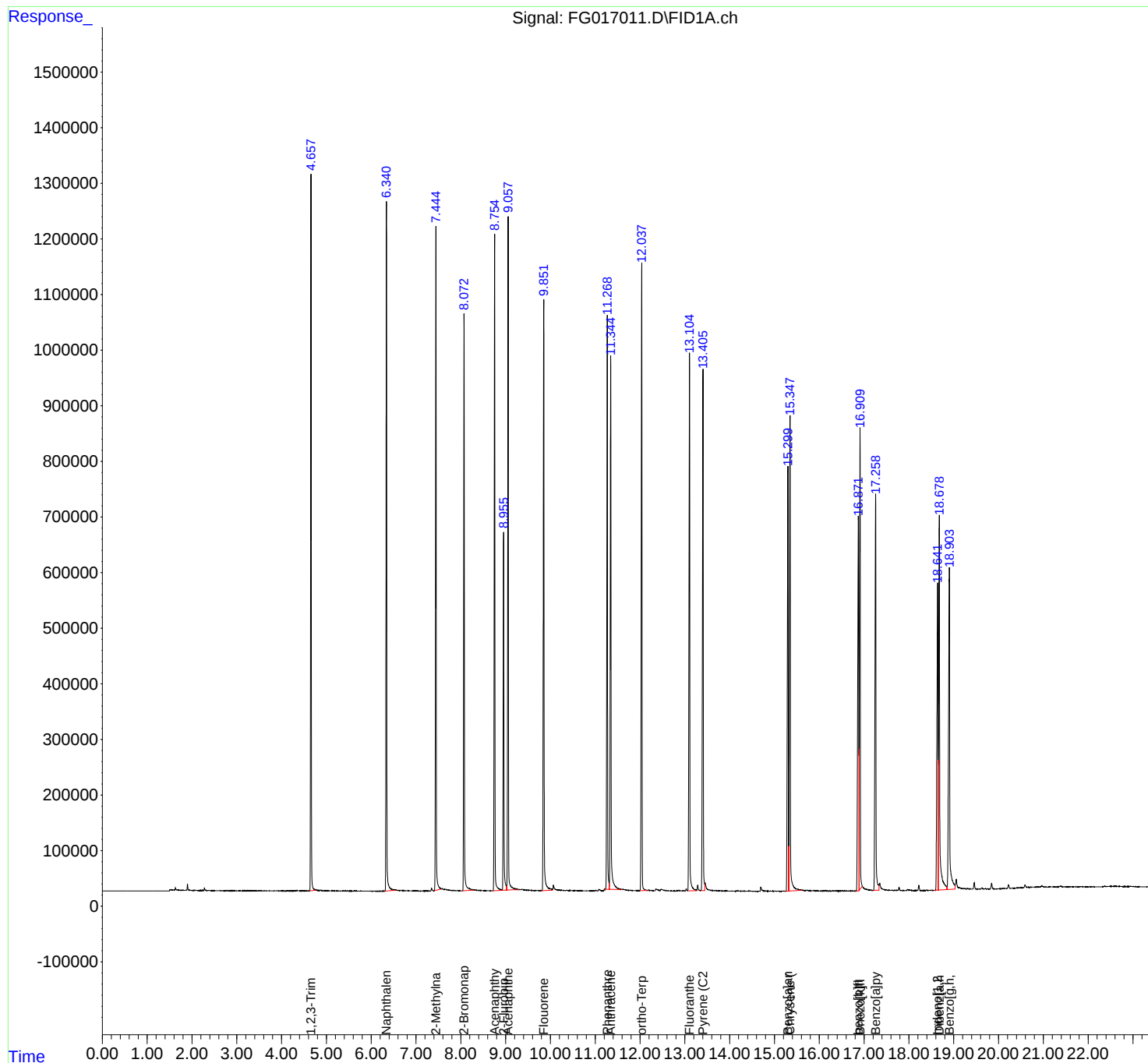
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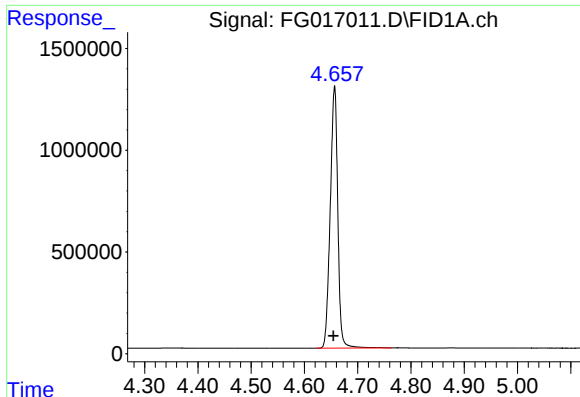
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Signal Info : 20M x 0.18mm x 0.18µm





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

R.T.: 4.656 min
Delta R.T.: 0.002 min
Response: 12638734
Conc: 90.76 ug/ml

Instrument :

FID_G

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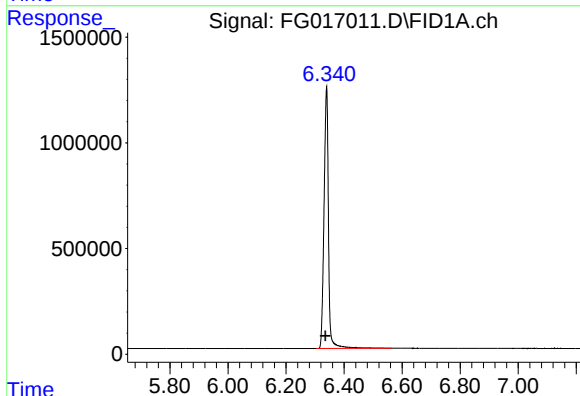
100 PPM AROMATIC HC STD1

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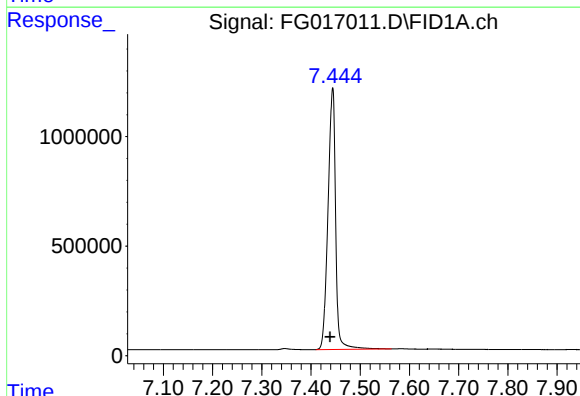
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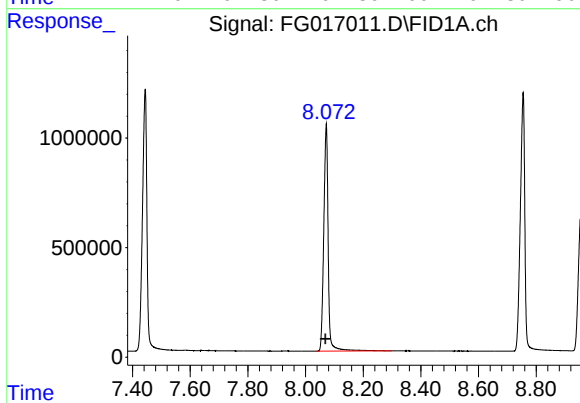
#2 Naphthalene (C11.7)

R.T.: 6.339 min
Delta R.T.: 0.003 min
Response: 13063894
Conc: 97.96 ug/ml



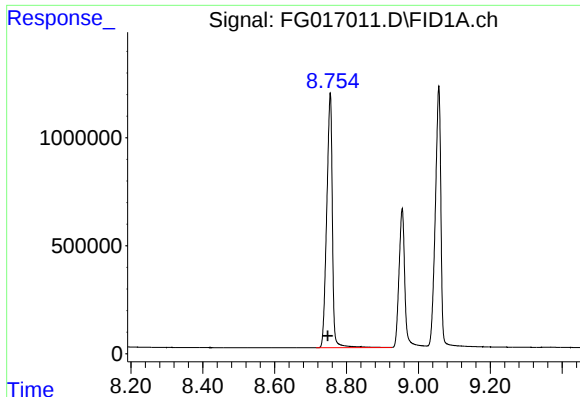
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.443 min
Delta R.T.: 0.005 min
Response: 12896336
Conc: 99.76 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 8.072 min
Delta R.T.: 0.003 min
Response: 11009779
Conc: 104.05 ug/ml



#5 Acenaphthylene (C15.06)

R.T.: 8.754 min
Delta R.T.: 0.007 min
Response: 12903471
Conc: 101.45 ug/ml

Instrument :

FID_G

ClientSampleId :

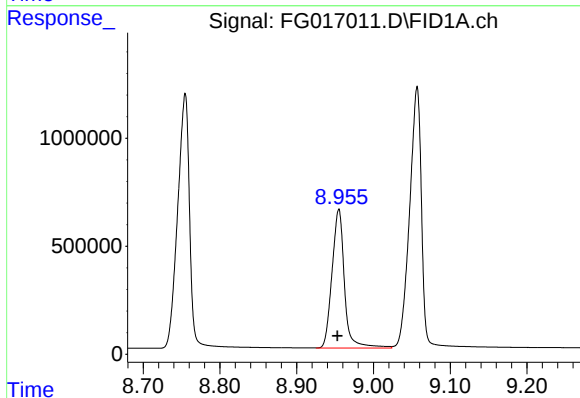
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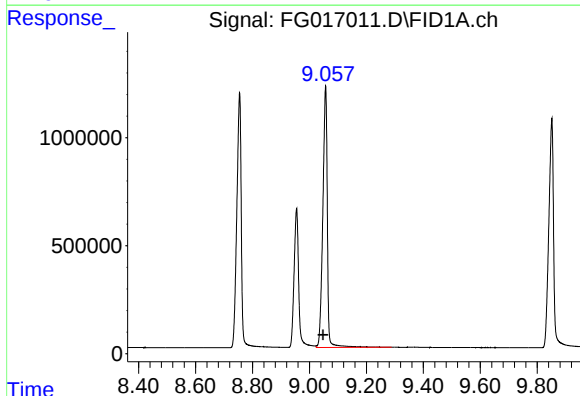
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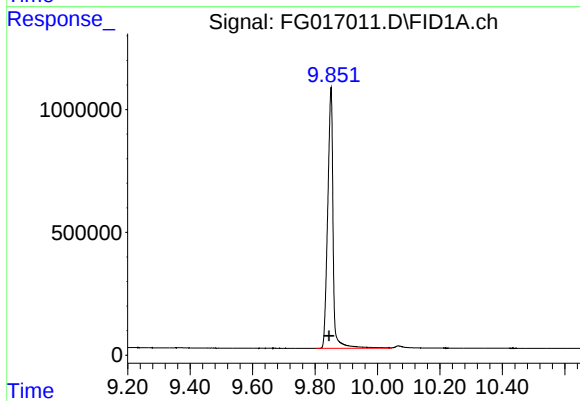
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.955 min
Delta R.T.: 0.001 min
Response: 7245431
Conc: 120.65 ug/ml



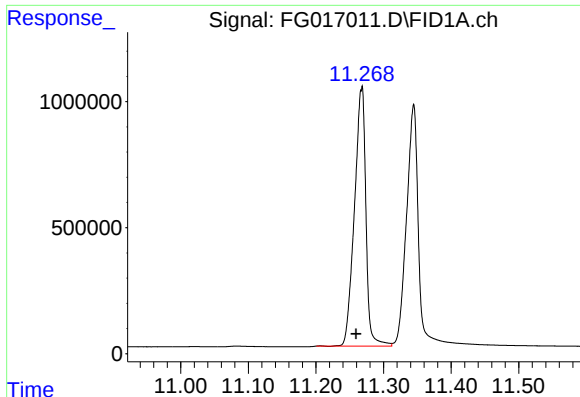
#7 Acenaphthene (C15.5)

R.T.: 9.056 min
Delta R.T.: 0.009 min
Response: 13315706
Conc: 95.27 ug/ml



#8 Fluorene (C16.55)

R.T.: 9.851 min
Delta R.T.: 0.006 min
Response: 12721377
Conc: 103.15 ug/ml



#9 Phenanthrene (C19.36)

R.T.: 11.267 min
Delta R.T.: 0.008 min
Response: 12116842
Conc: 98.97 ug/ml

Instrument :

FID_G

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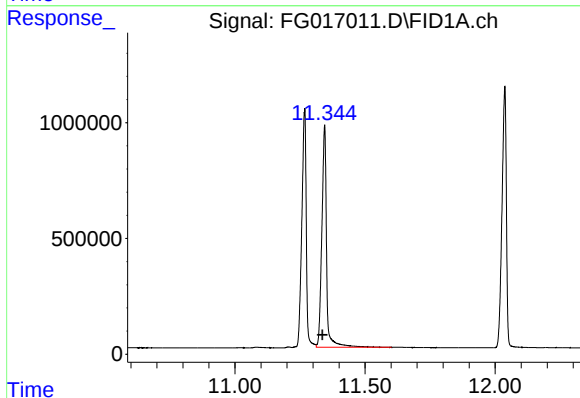
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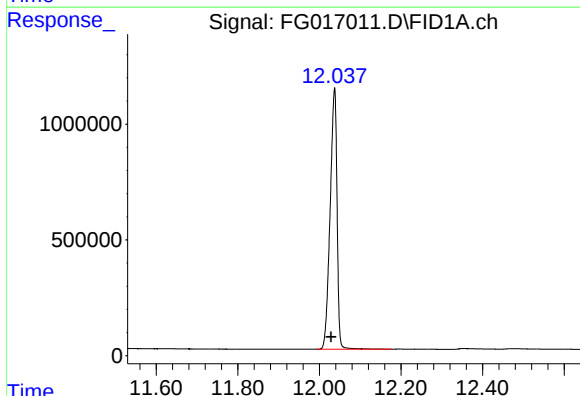
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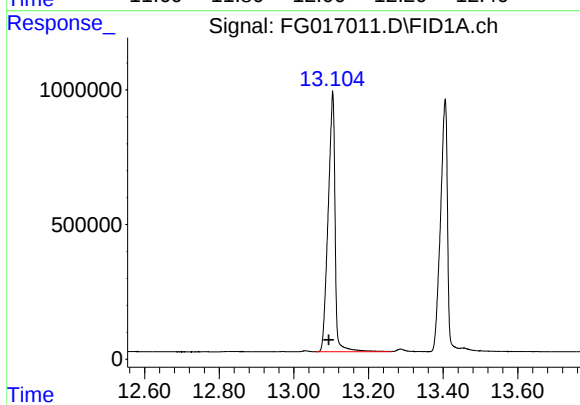
#10 Anthracene (C19.43)

R.T.: 11.344 min
Delta R.T.: 0.007 min
Response: 12127664
Conc: 92.38 ug/ml



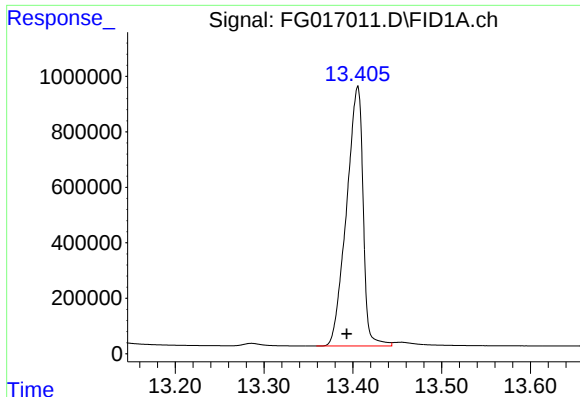
#11 ortho-Terphenyl (SURR)

R.T.: 12.037 min
Delta R.T.: 0.008 min
Response: 13255074
Conc: 88.68 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 13.103 min
Delta R.T.: 0.010 min
Response: 12480794
Conc: 93.26 ug/ml



#13 Pyrene (C20.8)

R.T.: 13.405 min
Delta R.T.: 0.012 min
Response: 12173892
Conc: 89.36 ug/ml

Instrument :

FID_G

ClientSampleId :

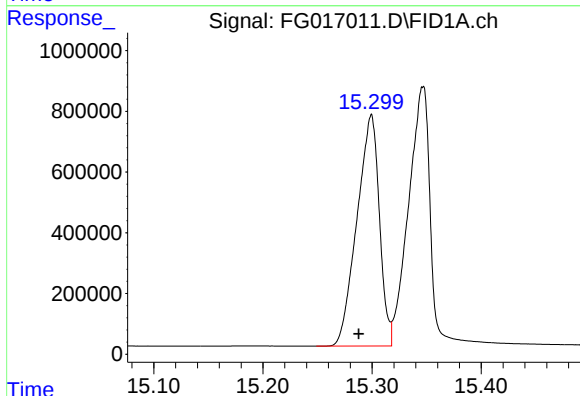
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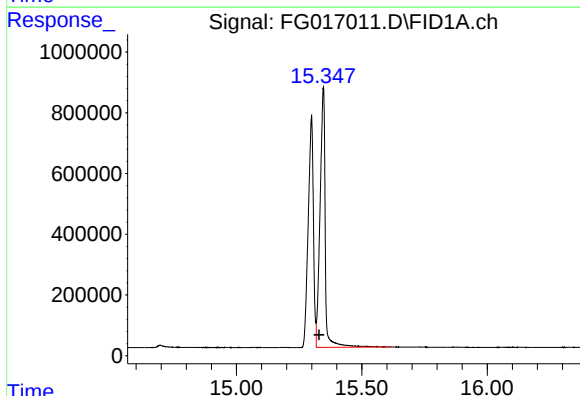
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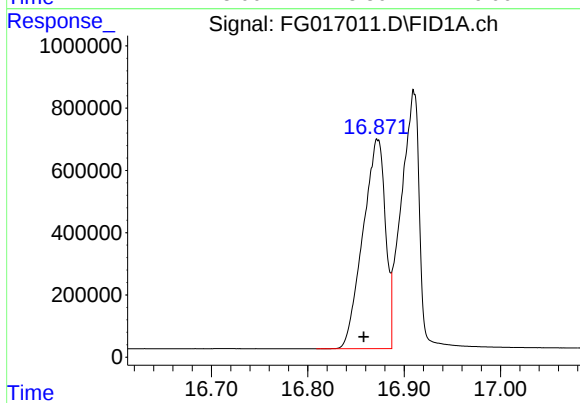
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.299 min
Delta R.T.: 0.011 min
Response: 10871187
Conc: 108.60 ug/ml



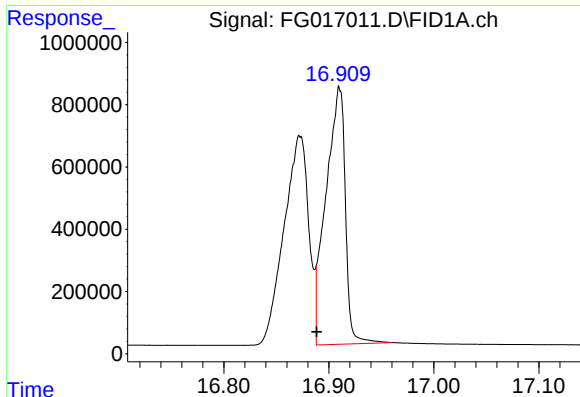
#15 Chrysene (C27.41)

R.T.: 15.346 min
Delta R.T.: 0.016 min
Response: 12340888
Conc: 83.30 ug/ml



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

R.T.: 16.872 min
Delta R.T.: 0.014 min
Response: 10924353
Conc: 102.36 ug/ml



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

R.T.: 16.909 min
Delta R.T.: 0.021 min
Response: 10562655
Conc: 77.38 ug/ml

Instrument :

FID_G

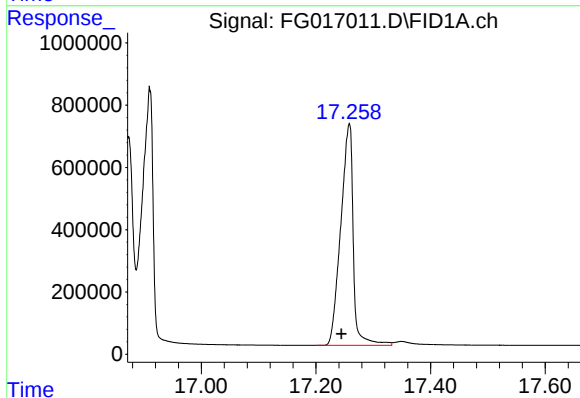
ClientSampleId :

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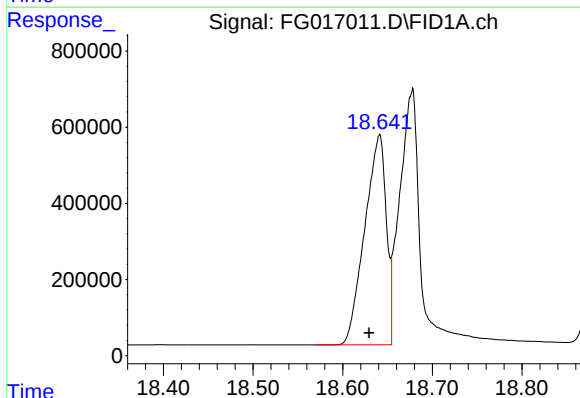
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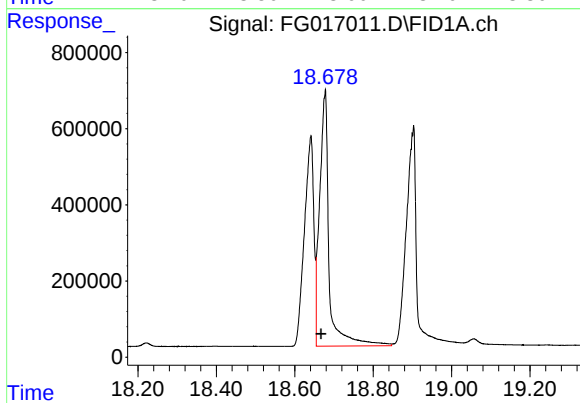
#18 Benzo[a]pyrene (C31.34)

R.T.: 17.257 min
Delta R.T.: 0.013 min
Response: 10793496
Conc: 100.40 ug/ml



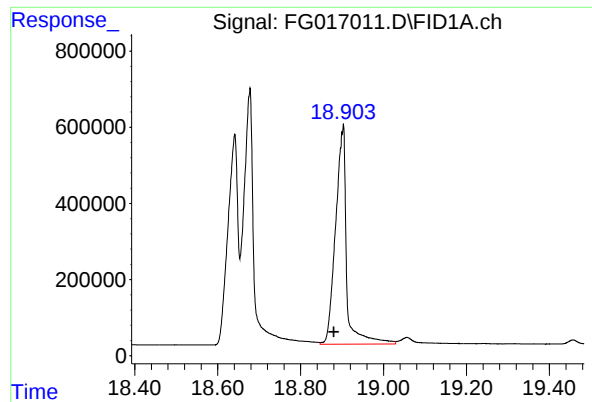
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.640 min
Delta R.T.: 0.011 min
Response: 9182722
Conc: 108.21 ug/ml



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

R.T.: 18.677 min
Delta R.T.: 0.010 min
Response: 11264635
Conc: 76.10 ug/ml



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

R.T.: 18.901 min
Delta R.T.: 0.021 min
Response: 10666923
Conc: 87.21 ug/ml

Instrument :

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ClientSampleId :

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