

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG121625AR\
 Data File : FG017190.D
 Signal(s) : FID1A.ch
 Acq On : 17 Dec 2025 01:23
 Operator : YP\AJ
 Sample : 100 PPM AROMATIC HC STD1
 Misc :
 ALS Vial : 61 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 100 PPM AROMATIC HC STD1

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 12/17/2025
 Supervised By :Yogesh Patel 12/17/2025

Integration File: autoint1.e
 Quant Time: Dec 17 06:46:19 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 121625.M
 Quant Title : GC Extractables
 QLast Update : Wed Dec 17 06:45:42 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...	8.071	10846233	102.589 ug/ml
Spiked Amount 50.000		Recovery =	205.18%
6) S 2-Fluorobiphenyl (SURR)	8.956	7254924	116.924 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	233.85%#
11) S ortho-Terphenyl (SURR)	12.036	13608323	90.847 ug/ml
Spiked Amount 50.000		Recovery =	181.69%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.655	12191267	92.266 ug/ml
2) T Naphthalene (C11.7)	6.339	12697629	97.544 ug/ml
3) T 2-Methylnaphthalene (...)	7.443	12664034	99.597 ug/ml
5) T Acenaphthylene (C15.06)	8.755	12893022	99.393 ug/ml
7) T Acenaphthene (C15.5)	9.057	13206873	95.681 ug/ml
8) T Flouorene (C16.55)	9.852	12844374	103.275 ug/ml
9) T Phenanthrene (C19.36)	11.270	12623083	99.066 ug/ml
10) T Anthracene (C19.43)	11.348	12690617	91.742 ug/ml
12) T Fluoranthene (C21.85)	13.108	13154128	93.506 ug/ml
13) T Pyrene (C20.8)	13.409	12924946	90.324 ug/ml
14) T Benzo[a]anthracene (C...	15.305	11913337	101.999 ug/ml
15) T Chrysene (C27.41)	15.353	12956762	87.566 ug/ml
16) T benzo[b]fluoranthene ...	16.878	11756799	102.011 ug/ml
17) T Bnezo[k]fluoranthene ...	16.919	11342315	84.205 ug/mlm
18) T Benzo[a]pyrene (C31.34)	17.265	11421864	92.474 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.649	9748833	125.954 ug/ml
20) T Dibenz[a,h]anthracene...	18.686	11329812	82.105 ug/ml
21) T Benzo[g,h,i]perylene ...	18.911	10722020	94.958 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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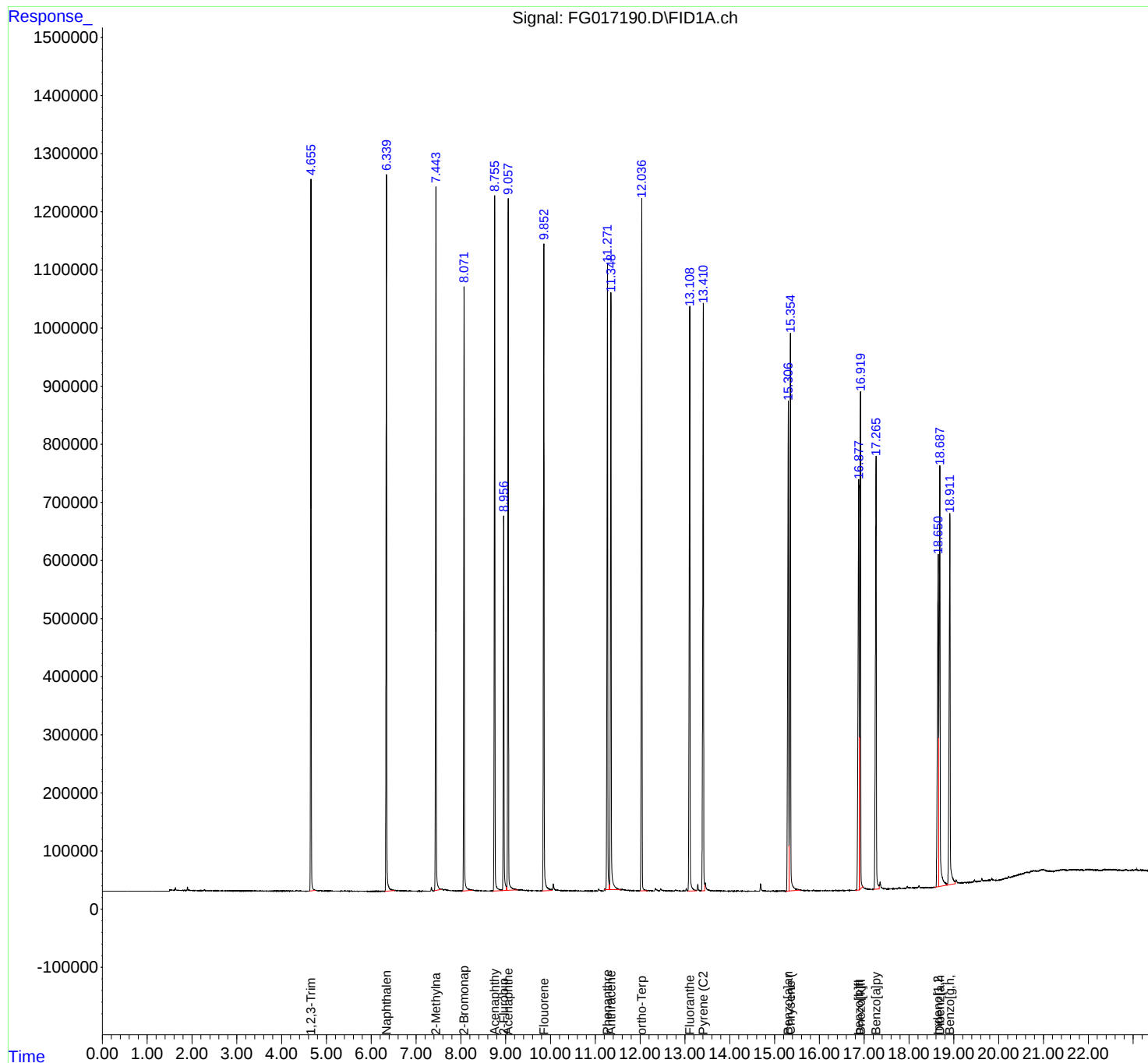
Instrument :
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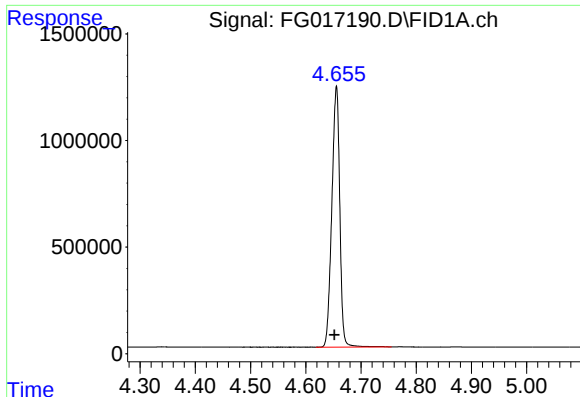
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Signal Info : 20M x 0.18mm x 0.18µm





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

R.T.: 4.655 min
Delta R.T.: 0.003 min
Response: 12191267
Conc: 92.27 ug/ml

Instrument :

FID_G

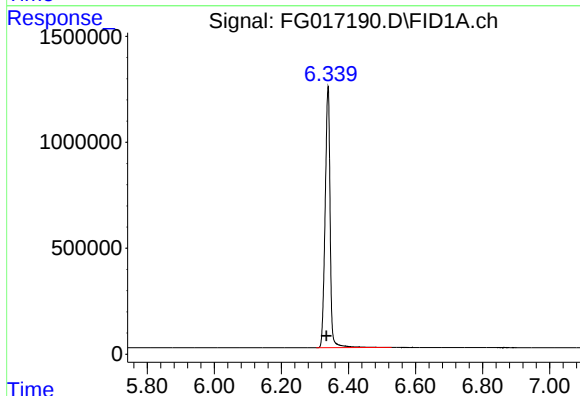
ClientSampleId :

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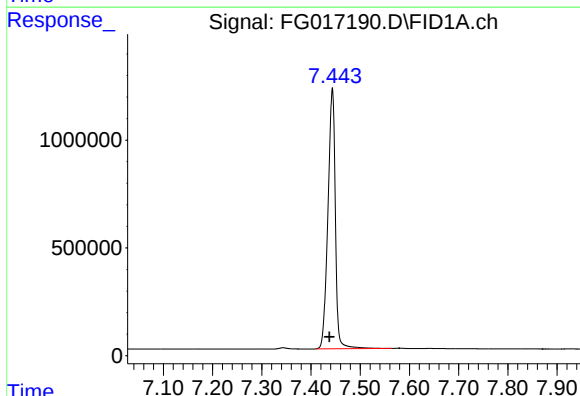
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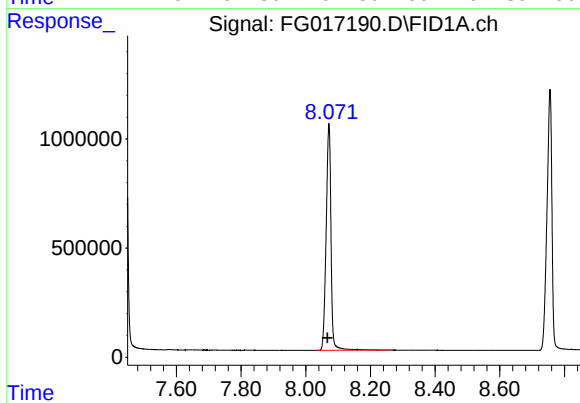
#2 Naphthalene (C11.7)

R.T.: 6.339 min
Delta R.T.: 0.004 min
Response: 12697629
Conc: 97.54 ug/ml



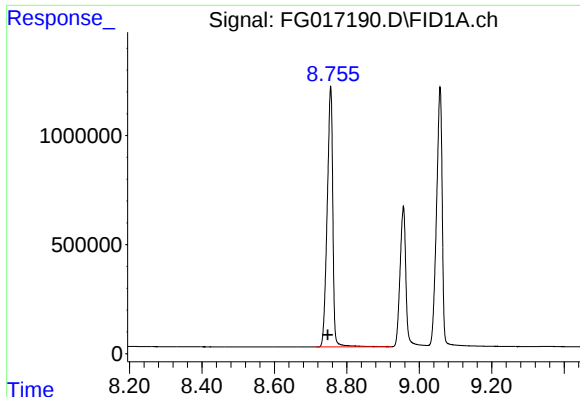
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.443 min
Delta R.T.: 0.006 min
Response: 12664034
Conc: 99.60 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 8.071 min
Delta R.T.: 0.005 min
Response: 10846233
Conc: 102.59 ug/ml



#5 Acenaphthylene (C15.06)

R.T.: 8.755 min
Delta R.T.: 0.008 min
Response: 12893022
Conc: 99.39 ug/ml

Instrument :

FID_G

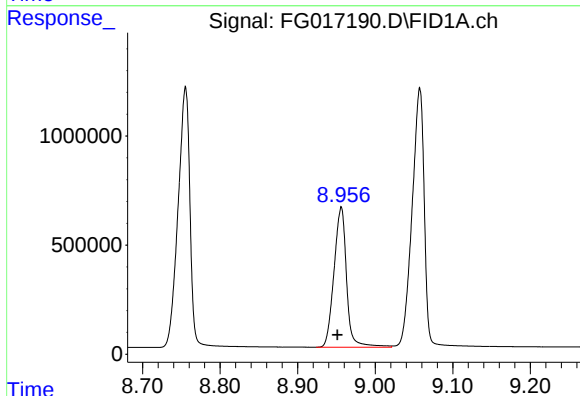
ClientSampleId :

100 PPM AROMATIC HC STD1

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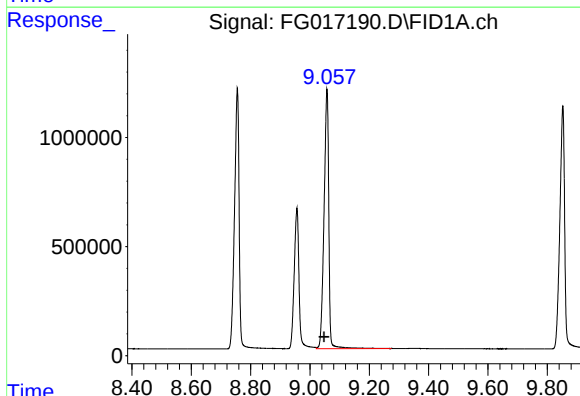
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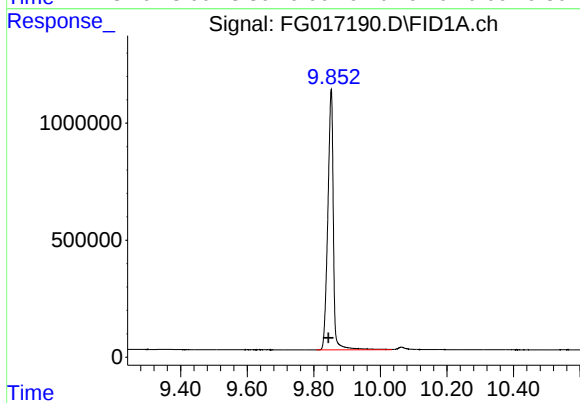
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.956 min
Delta R.T.: 0.004 min
Response: 7254924
Conc: 116.92 ug/ml



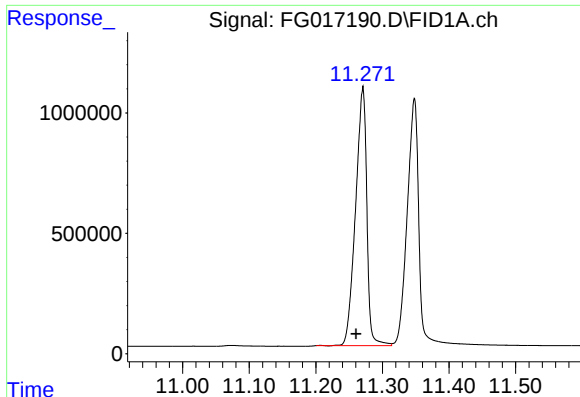
#7 Acenaphthene (C15.5)

R.T.: 9.057 min
Delta R.T.: 0.010 min
Response: 13206873
Conc: 95.68 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.852 min
Delta R.T.: 0.008 min
Response: 12844374
Conc: 103.28 ug/ml



#9 Phenanthrene (C19.36)

R.T.: 11.270 min
Delta R.T.: 0.010 min
Response: 12623083
Conc: 99.07 ug/ml

Instrument :

FID_G

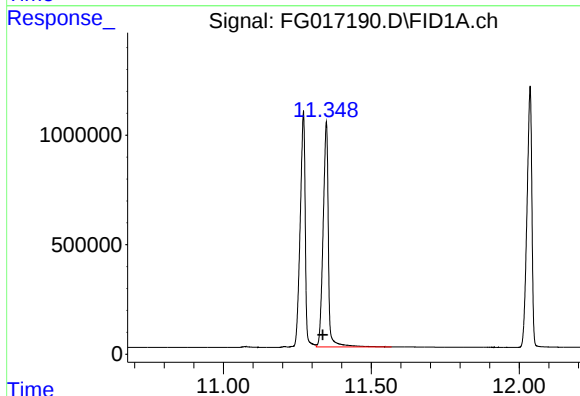
ClientSampleId :

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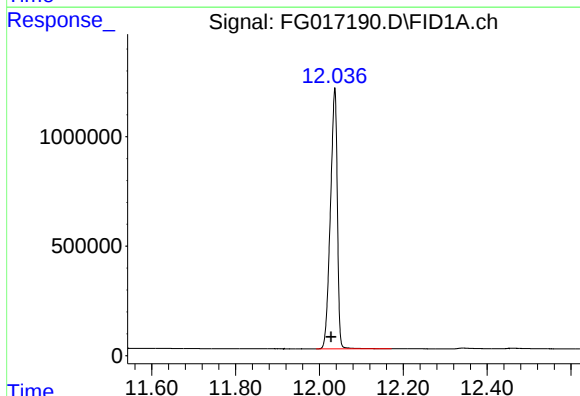
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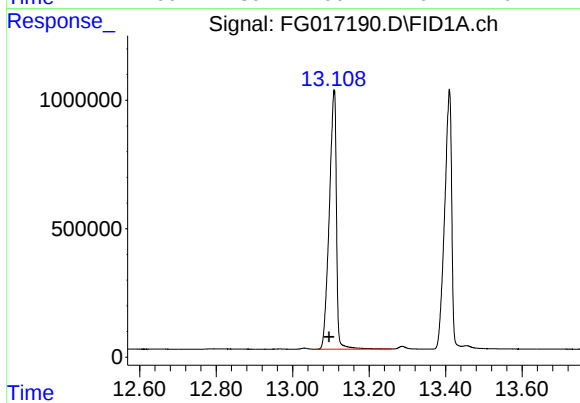
#10 Anthracene (C19.43)

R.T.: 11.348 min
Delta R.T.: 0.011 min
Response: 12690617
Conc: 91.74 ug/ml



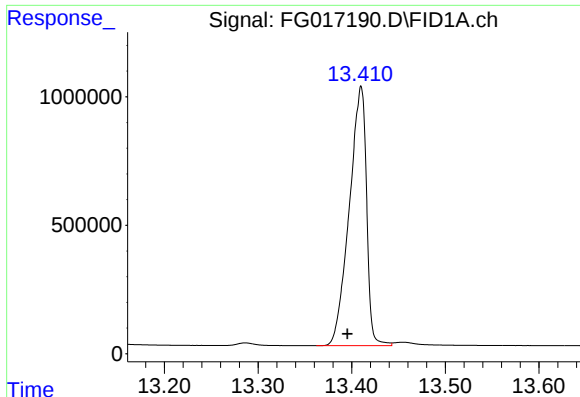
#11 ortho-Terphenyl (SURR)

R.T.: 12.036 min
Delta R.T.: 0.008 min
Response: 13608323
Conc: 90.85 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 13.108 min
Delta R.T.: 0.013 min
Response: 13154128
Conc: 93.51 ug/ml



#13 Pyrene (C20.8)

R.T.: 13.409 min
Delta R.T.: 0.014 min
Response: 12924946
Conc: 90.32 ug/ml

Instrument :

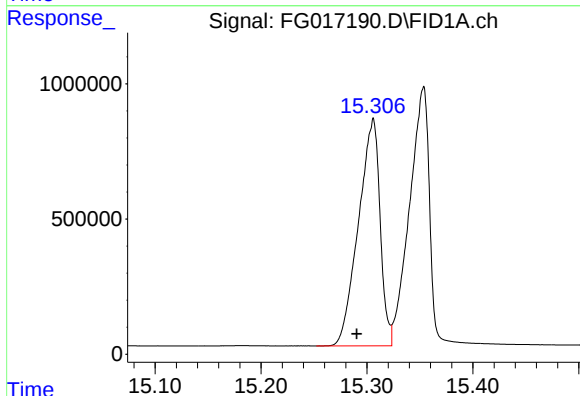
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ClientSampleId :

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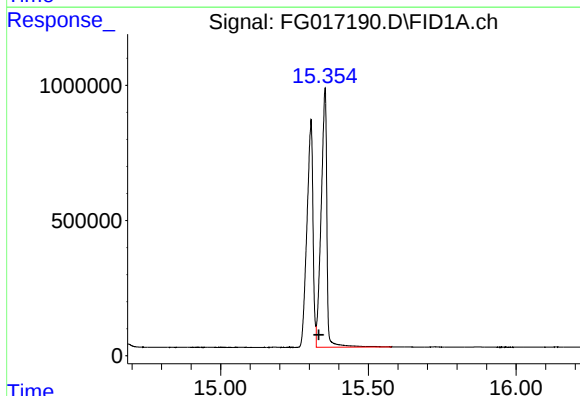
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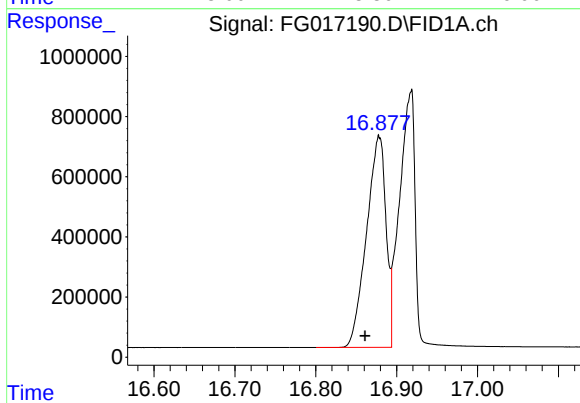
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.305 min
Delta R.T.: 0.015 min
Response: 11913337
Conc: 102.00 ug/ml



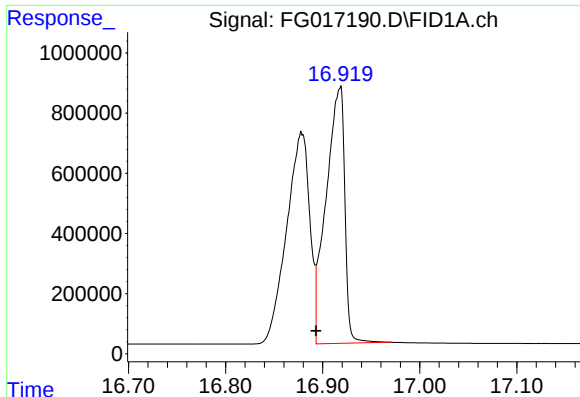
#15 Chrysene (C27.41)

R.T.: 15.353 min
Delta R.T.: 0.020 min
Response: 12956762
Conc: 87.57 ug/ml



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

R.T.: 16.878 min
Delta R.T.: 0.017 min
Response: 11756799
Conc: 102.01 ug/ml



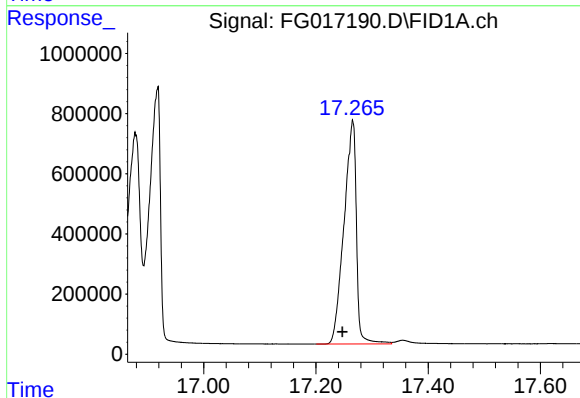
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.919 min
Delta R.T.: 0.026 min
Response: 11342315
Conc: 84.20 ug/ml

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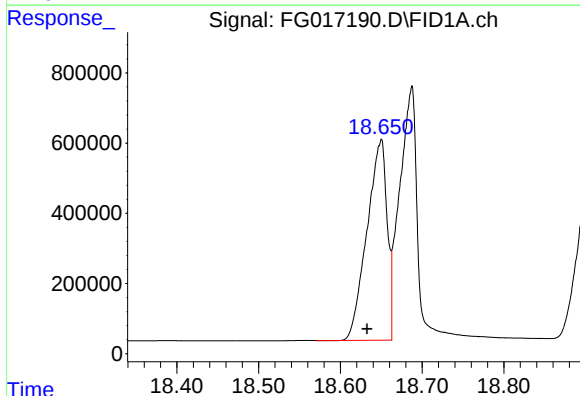
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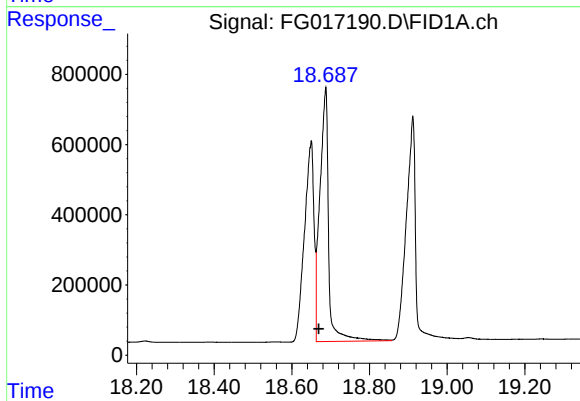
#18 Benzo[a]pyrene (C31.34)

R.T.: 17.265 min
Delta R.T.: 0.017 min
Response: 11421864
Conc: 92.47 ug/ml



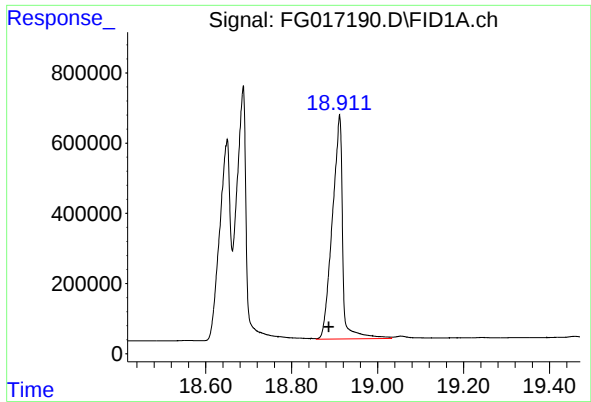
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.649 min
Delta R.T.: 0.016 min
Response: 9748833
Conc: 125.95 ug/ml



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

R.T.: 18.686 min
Delta R.T.: 0.016 min
Response: 11329812
Conc: 82.10 ug/ml



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

R.T.: 18.911 min
Delta R.T.: 0.025 min
Response: 10722020
Conc: 94.96 ug/ml

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