

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG102925AR\
 Data File : FG016858.D
 Signal(s) : FID1A.ch
 Acq On : 29 Oct 2025 22:03
 Operator : YP\AJ
 Sample : 100 PPM AROMATIC HC STD1
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 100 PPM AROMATIC HC STD1

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/30/2025
 Supervised By :mohammad ahmed 10/31/2025

Integration File: autoint1.e
 Quant Time: Oct 30 05:28:10 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 102925.M
 Quant Title : GC Extractables
 QLast Update : Thu Oct 30 05:27:38 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...	8.080	10976446	100.640 ug/ml
Spiked Amount 50.000		Recovery =	201.28%
6) S 2-Fluorobiphenyl (SURR)	8.964	7318070	120.855 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	241.71%#
11) S ortho-Terphenyl (SURR)	12.046	13262731	91.605 ug/ml
Spiked Amount 50.000		Recovery =	183.21%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.665	12151927	92.512 ug/ml
2) T Naphthalene (C11.7)	6.348	12963206	96.244 ug/ml
3) T 2-Methylnaphthalene (...)	7.452	12835065	105.064 ug/ml
5) T Acenaphthylene (C15.06)	8.764	12769067	105.747 ug/ml
7) T Acenaphthene (C15.5)	9.066	13323068	96.768 ug/ml
8) T Flouorene (C16.55)	9.860	12703019	101.843 ug/ml
9) T Phenanthrene (C19.36)	11.278	12381212	104.089 ug/ml
10) T Anthracene (C19.43)	11.355	12791881	91.441 ug/ml
12) T Fluoranthene (C21.85)	13.115	12868556	94.077 ug/ml
13) T Pyrene (C20.8)	13.416	12599314	89.374 ug/ml
14) T Benzo[a]anthracene (C...	15.310	11658171	109.274 ug/ml
15) T Chrysene (C27.41)	15.358	13331686	83.826 ug/ml
16) T benzo[b]fluoranthene ...	16.883	11743132	107.399 ug/ml
17) T Bnezo[k]fluoranthene ...	16.923	11367352	78.368 ug/mlm
18) T Benzo[a]pyrene (C31.34)	17.269	11529185	103.479 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.650	9313953	121.716 ug/ml
20) T Dibenz[a,h]anthracene...	18.688	11910502	80.933 ug/ml
21) T Benzo[g,h,i]perylene ...	18.910	10773893	90.150 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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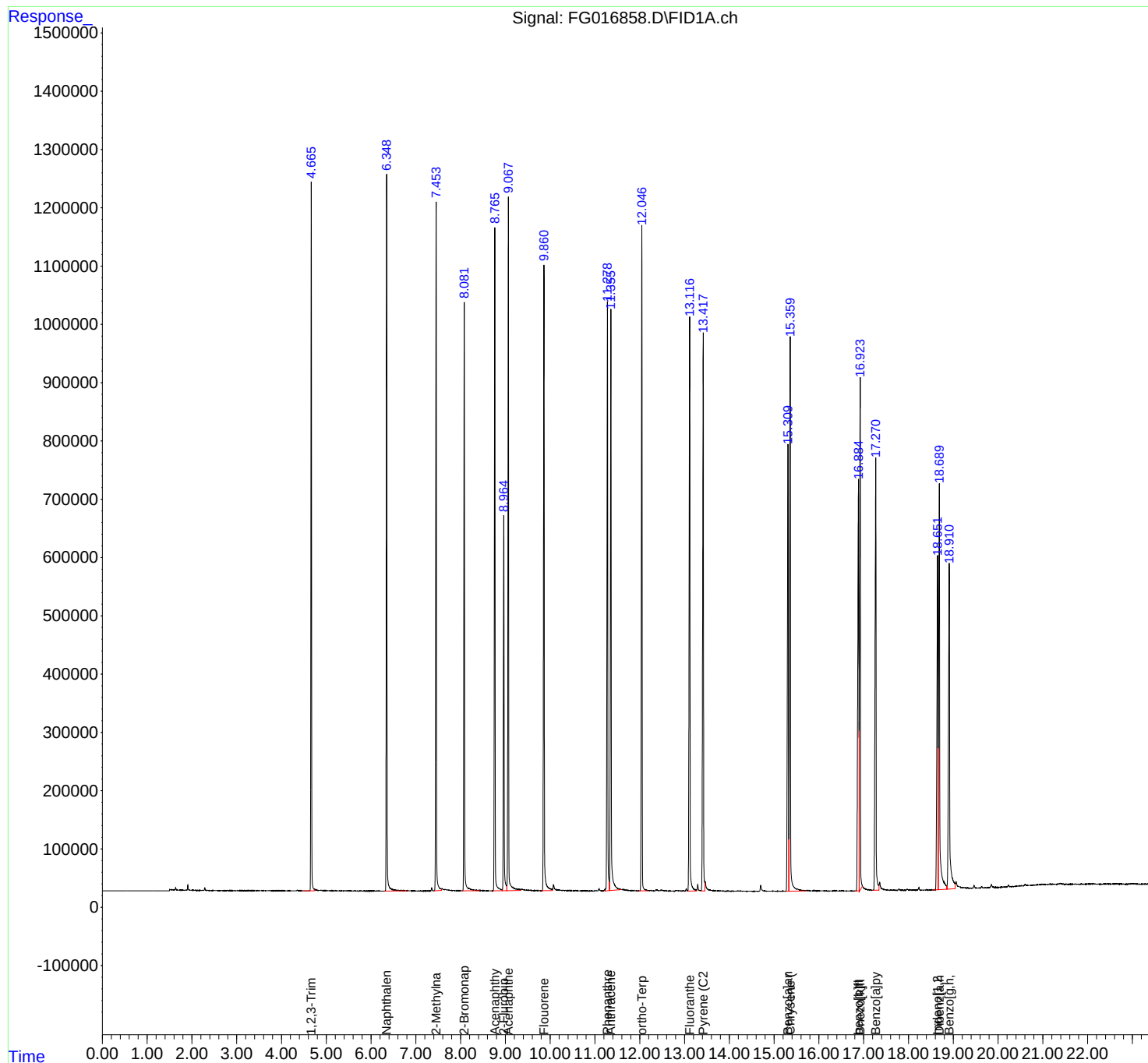
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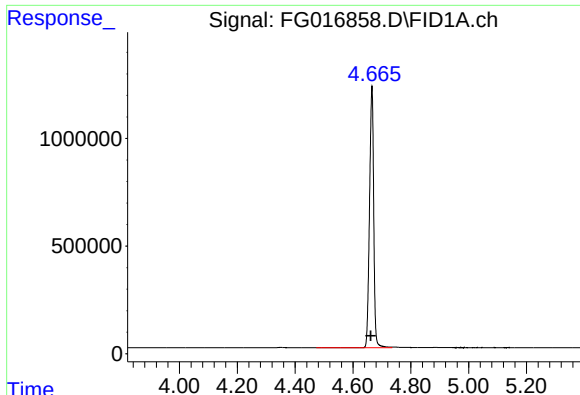
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#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.665 min
Delta R.T.: 0.004 min
Response: 12151927
Conc: 92.51 ug/ml

Instrument :

FID_G

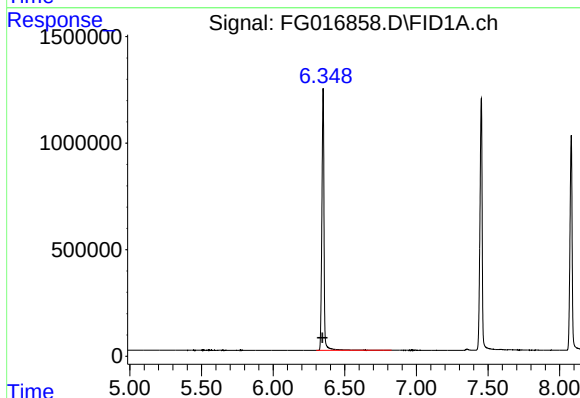
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100 PPM AROMATIC HC STD1

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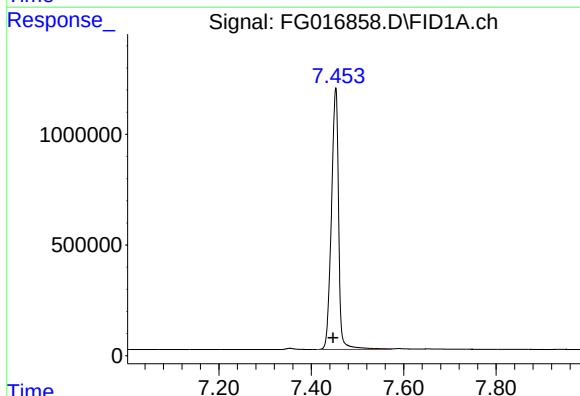
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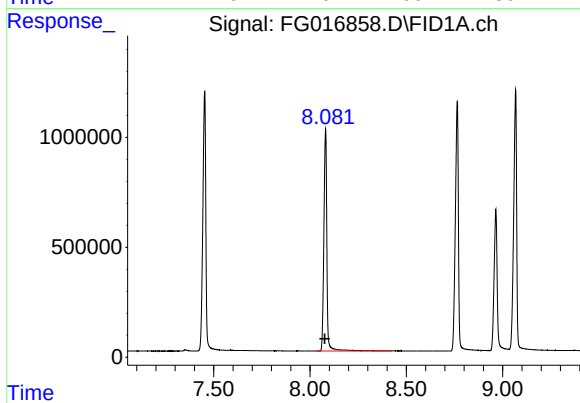
#2 Naphthalene (C11.7)

R.T.: 6.348 min
Delta R.T.: 0.005 min
Response: 12963206
Conc: 96.24 ug/ml



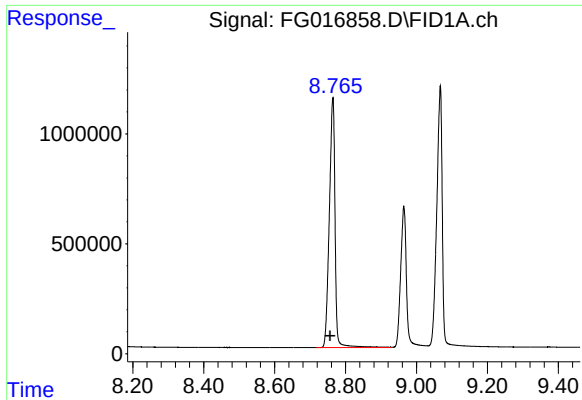
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.452 min
Delta R.T.: 0.005 min
Response: 12835065
Conc: 105.06 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 8.080 min
Delta R.T.: 0.003 min
Response: 10976446
Conc: 100.64 ug/ml



#5 Acenaphthylene (C15.06)

R.T.: 8.764 min
Delta R.T.: 0.007 min
Response: 12769067
Conc: 105.75 ug/ml

Instrument :

FID_G

ClientSampleId :

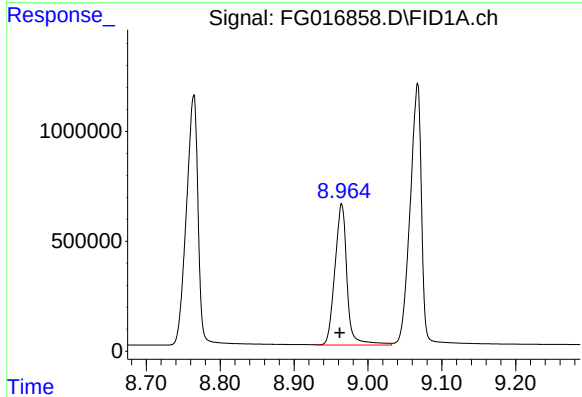
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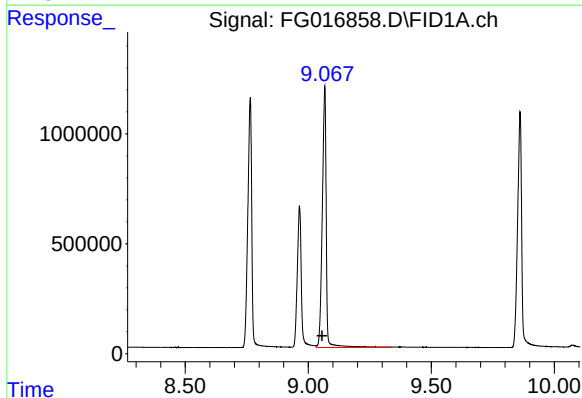
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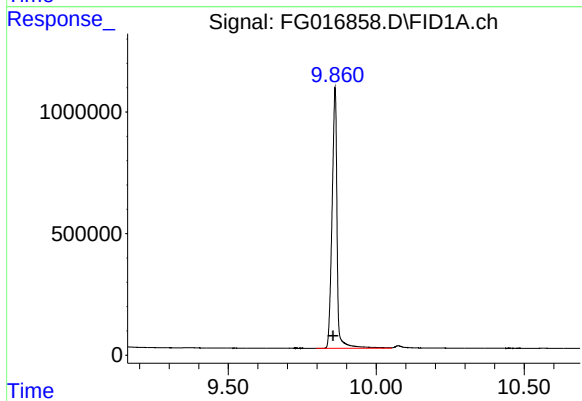
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.964 min
Delta R.T.: 0.002 min
Response: 7318070
Conc: 120.85 ug/ml



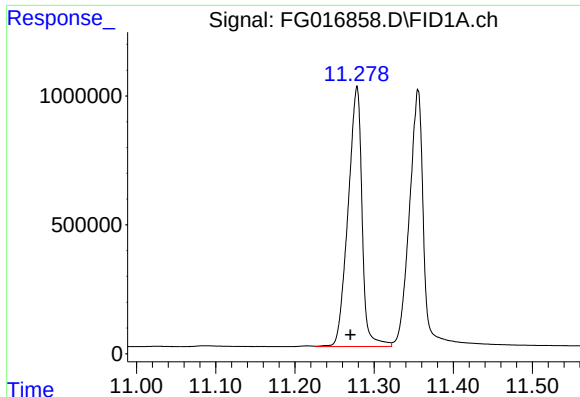
#7 Acenaphthene (C15.5)

R.T.: 9.066 min
Delta R.T.: 0.010 min
Response: 13323068
Conc: 96.77 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.860 min
Delta R.T.: 0.006 min
Response: 12703019
Conc: 101.84 ug/ml



#9 Phenanthrene (C19.36)

R.T.: 11.278 min
Delta R.T.: 0.008 min
Response: 12381212
Conc: 104.09 ug/ml

Instrument :

FID_G

ClientSampleId :

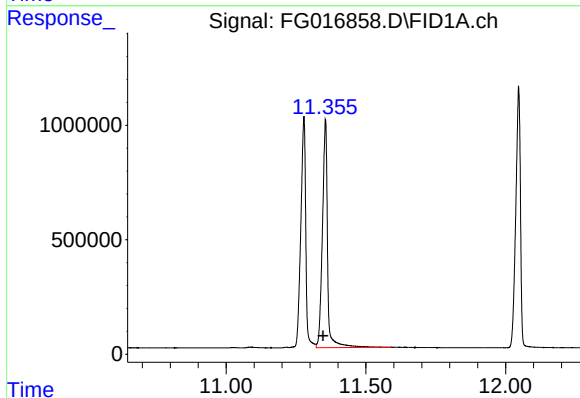
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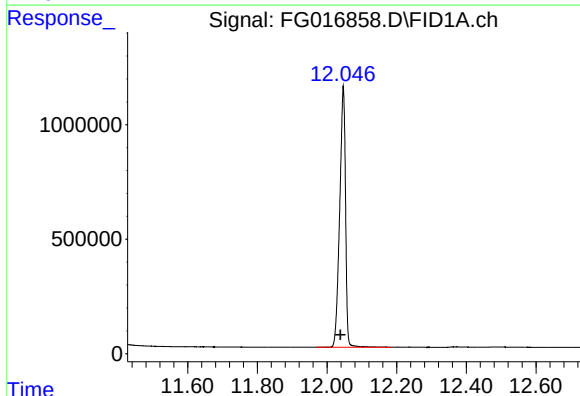
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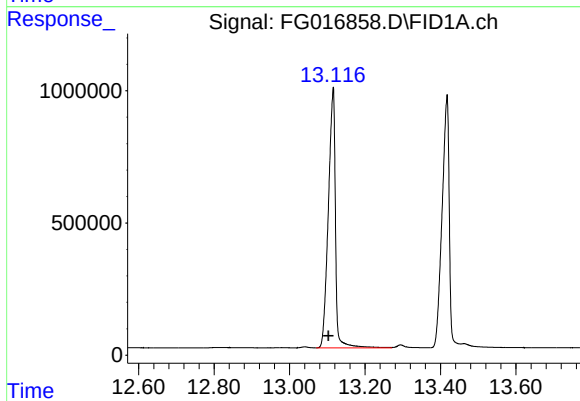
#10 Anthracene (C19.43)

R.T.: 11.355 min
Delta R.T.: 0.009 min
Response: 12791881
Conc: 91.44 ug/ml



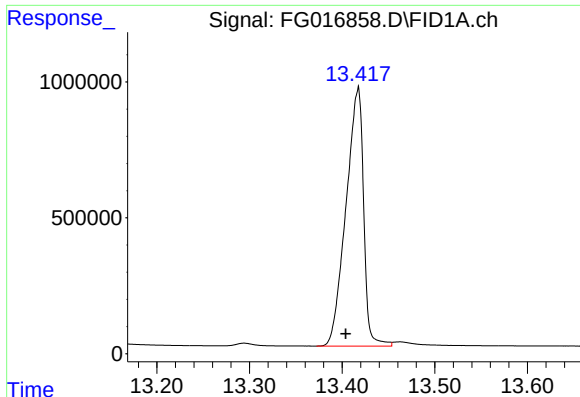
#11 ortho-Terphenyl (SURR)

R.T.: 12.046 min
Delta R.T.: 0.008 min
Response: 13262731
Conc: 91.60 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 13.115 min
Delta R.T.: 0.012 min
Response: 12868556
Conc: 94.08 ug/ml



#13 Pyrene (C20.8)

R.T.: 13.416 min
Delta R.T.: 0.013 min
Response: 12599314
Conc: 89.37 ug/ml

Instrument :

FID_G

ClientSampleId :

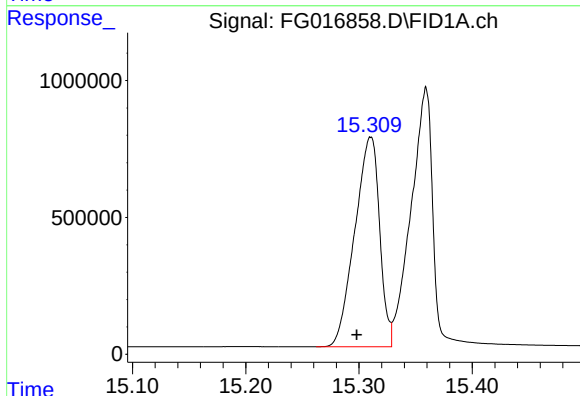
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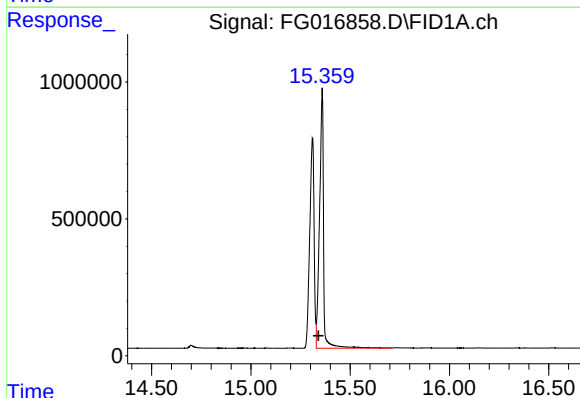
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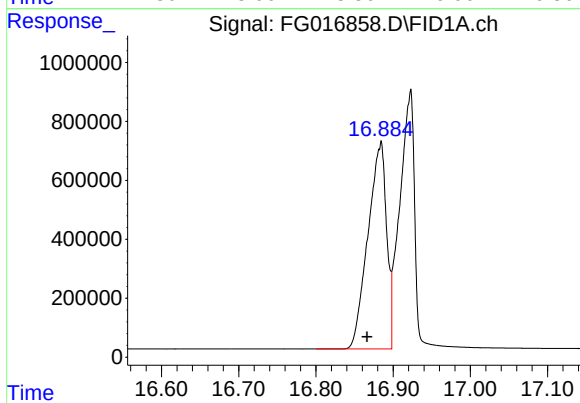
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.310 min
Delta R.T.: 0.012 min
Response: 11658171
Conc: 109.27 ug/ml



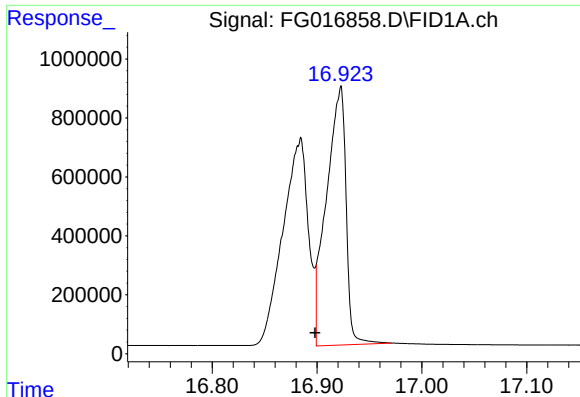
#15 Chrysene (C27.41)

R.T.: 15.358 min
Delta R.T.: 0.018 min
Response: 13331686
Conc: 83.83 ug/ml



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

R.T.: 16.883 min
Delta R.T.: 0.017 min
Response: 11743132
Conc: 107.40 ug/ml



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

R.T.: 16.923 min
Delta R.T.: 0.025 min
Response: 11367352
Conc: 78.37 ug/ml

Instrument :

FID_G

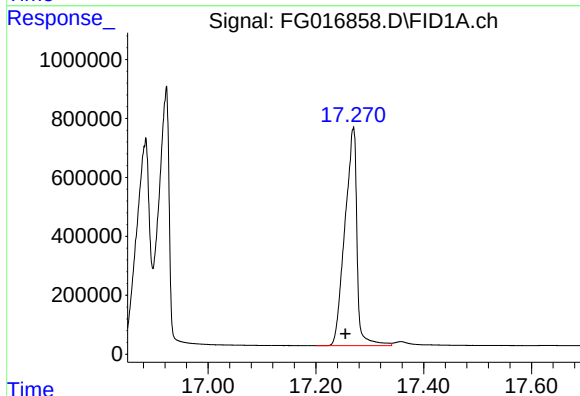
ClientSampleId :

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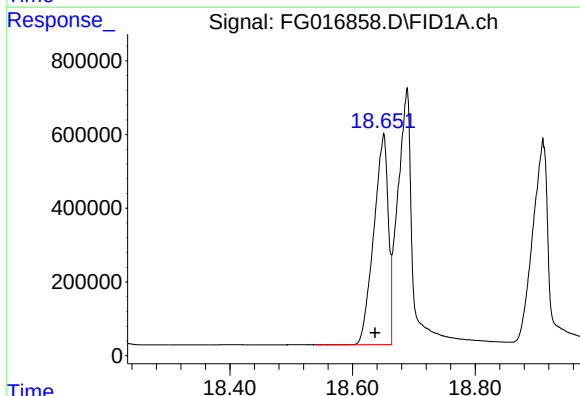
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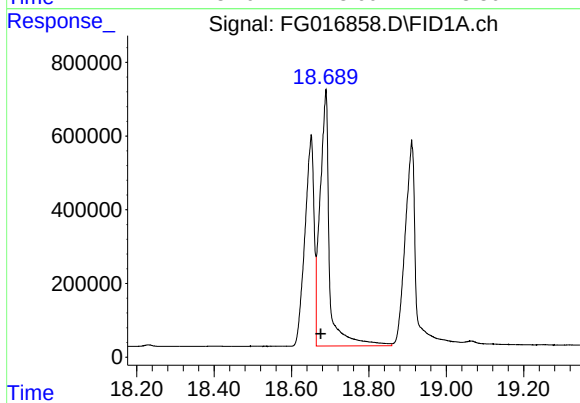
#18 Benzo[a]pyrene (C31.34)

R.T.: 17.269 min
Delta R.T.: 0.014 min
Response: 11529185
Conc: 103.48 ug/ml



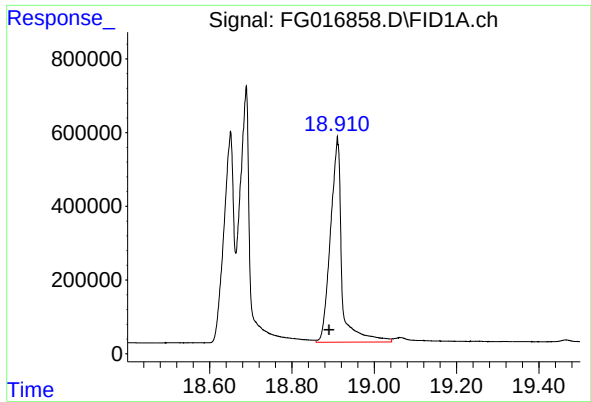
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.650 min
Delta R.T.: 0.013 min
Response: 9313953
Conc: 121.72 ug/ml



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

R.T.: 18.688 min
Delta R.T.: 0.012 min
Response: 11910502
Conc: 80.93 ug/ml



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

R.T.: 18.910 min
Delta R.T.: 0.020 min
Response: 10773893
Conc: 90.15 ug/ml

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