

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG100225AR\
 Data File : FG016739.D
 Signal(s) : FID1A.ch
 Acq On : 02 Oct 2025 14:52
 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 10/03/2025
 Supervised By :mohammad ahmed 10/04/2025

Integration File: autoint1.e
 Quant Time: Oct 03 01:39:44 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 100225.M
 Quant Title : GC Extractables
 QLast Update : Fri Oct 03 01:39:10 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...	8.092	12938470	113.299 ug/ml
Spiked Amount 50.000		Recovery =	226.60%
6) S 2-Fluorobiphenyl (SURR)	8.976	8875898	123.714 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	247.43%#
11) S ortho-Terphenyl (SURR)	12.058	15230674	108.114 ug/ml
Spiked Amount 50.000		Recovery =	216.23%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.676	14327674	108.994 ug/ml
2) T Naphthalene (C11.7)	6.359	15200335	110.969 ug/ml
3) T 2-Methylnaphthalene (...)	7.464	15238445	115.177 ug/ml
5) T Acenaphthylene (C15.06)	8.776	14991471	118.363 ug/ml
7) T Acenaphthene (C15.5)	9.079	15244316	111.392 ug/ml
8) T Flouorene (C16.55)	9.873	14883501	113.336 ug/ml
9) T Phenanthrene (C19.36)	11.290	14760569	116.604 ug/ml
10) T Anthracene (C19.43)	11.367	14071708	98.661 ug/ml
12) T Fluoranthene (C21.85)	13.127	14843511	109.097 ug/ml
13) T Pyrene (C20.8)	13.430	14522011	105.748 ug/ml
14) T Benzo[a]anthracene (C...	15.323	13700895	119.866 ug/ml
15) T Chrysene (C27.41)	15.372	14599613	102.895 ug/ml
16) T benzo[b]fluoranthene ...	16.895	13483132	124.574 ug/ml
17) T Bnezo[k]fluoranthene ...	16.935	12696313	92.467 ug/mlm
18) T Benzo[a]pyrene (C31.34)	17.282	12895763	111.911 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.662	11415395	148.421 ug/ml
20) T Dibenz[a,h]anthracene...	18.703	12571519	85.364 ug/mlm
21) T Benzo[g,h,i]perylene ...	18.924	11891786	107.973 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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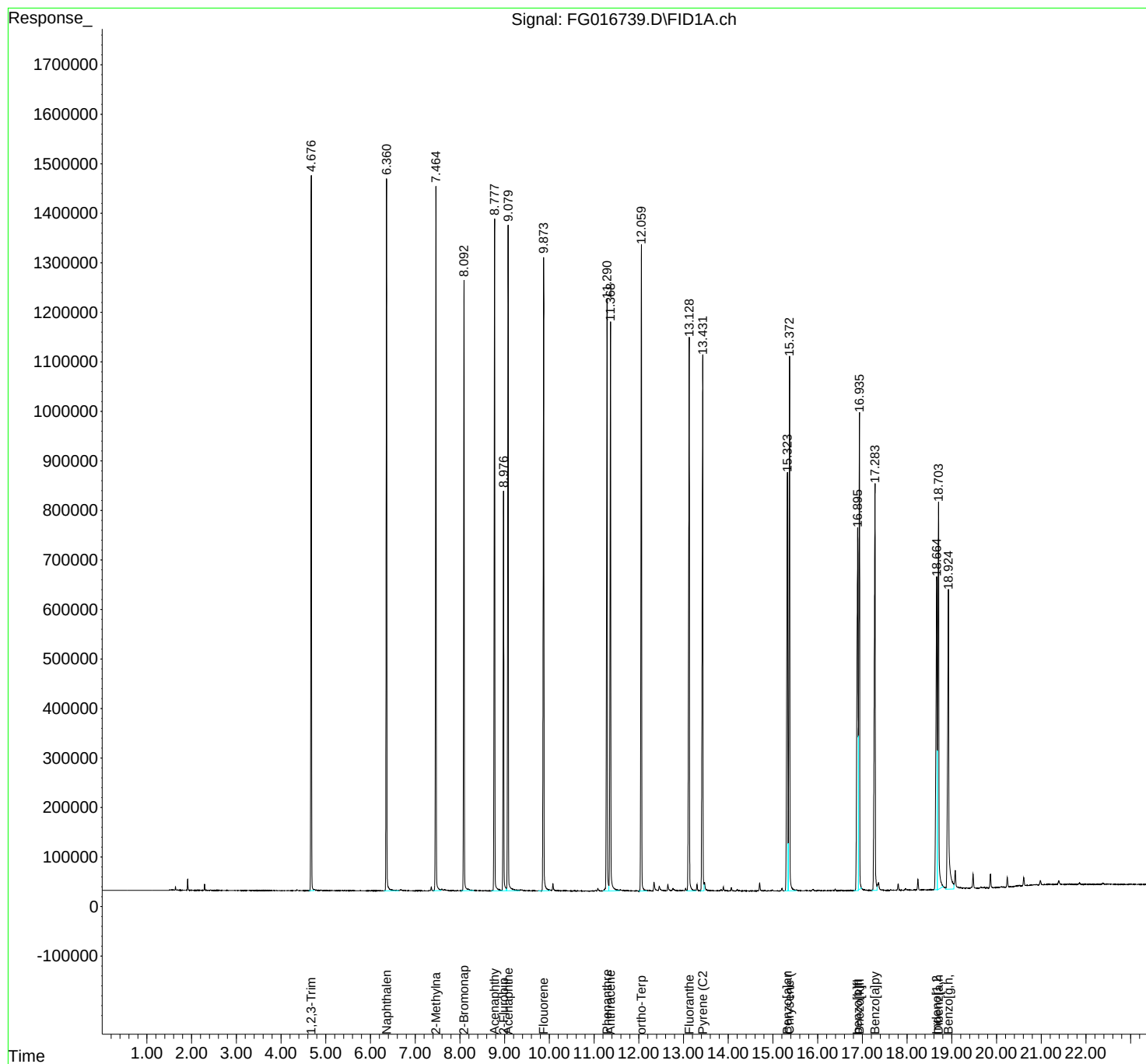
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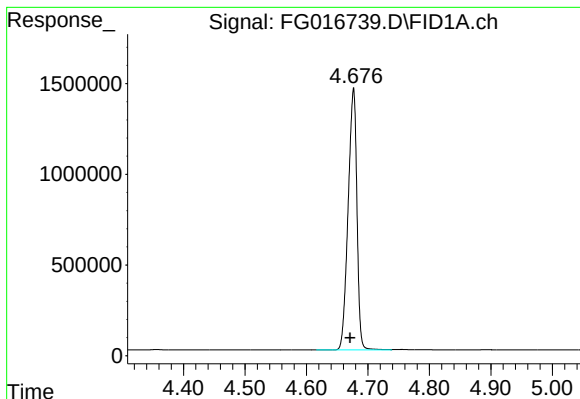
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#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.676 min
Delta R.T.: 0.005 min
Response: 14327674
Conc: 108.99 ug/ml

Instrument :

FID_G

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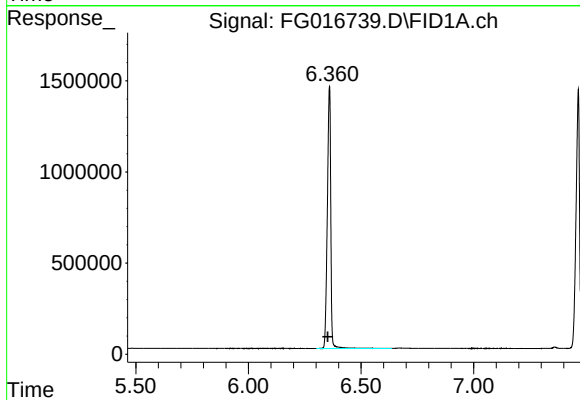
100 PPM AROMATIC HC STD1

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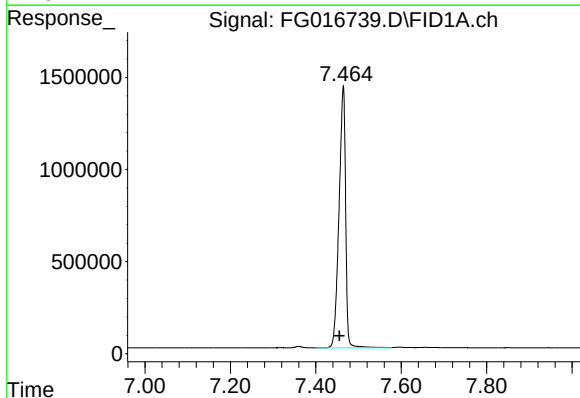
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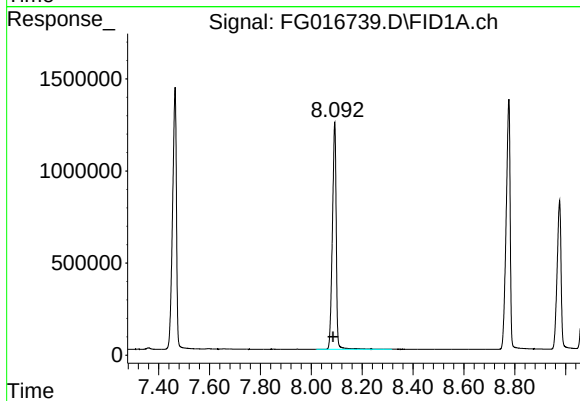
#2 Naphthalene (C11.7)

R.T.: 6.359 min
Delta R.T.: 0.007 min
Response: 15200335
Conc: 110.97 ug/ml



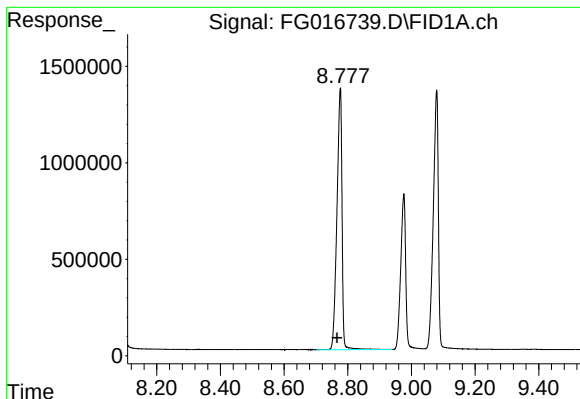
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.464 min
Delta R.T.: 0.008 min
Response: 15238445
Conc: 115.18 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 8.092 min
Delta R.T.: 0.006 min
Response: 12938470
Conc: 113.30 ug/ml



#5 Acenaphthylene (C15.06)

R.T.: 8.776 min
Delta R.T.: 0.010 min
Response: 14991471
Conc: 118.36 ug/ml

Instrument :

FID_G

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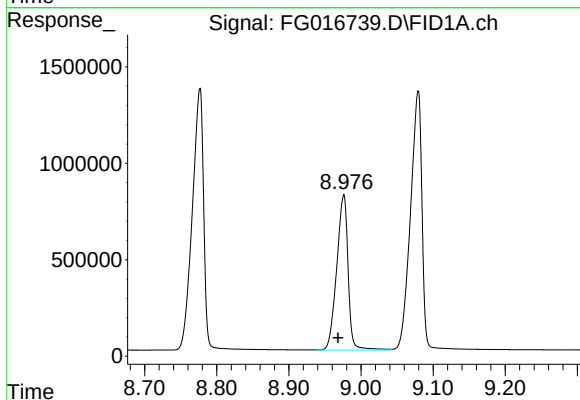
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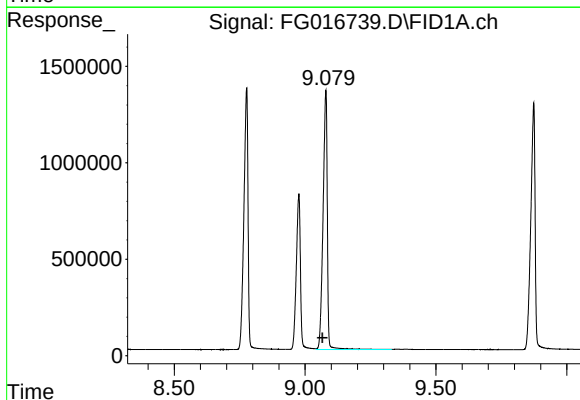
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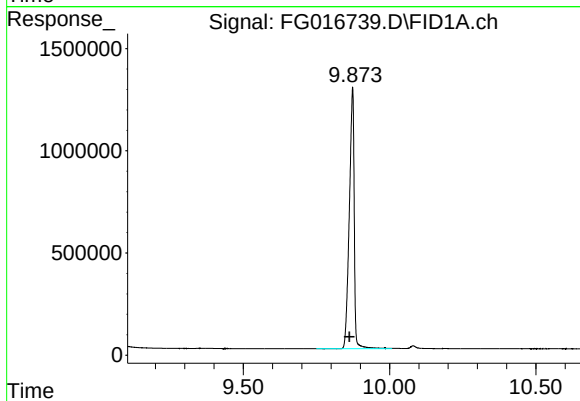
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.976 min
Delta R.T.: 0.007 min
Response: 8875898
Conc: 123.71 ug/ml



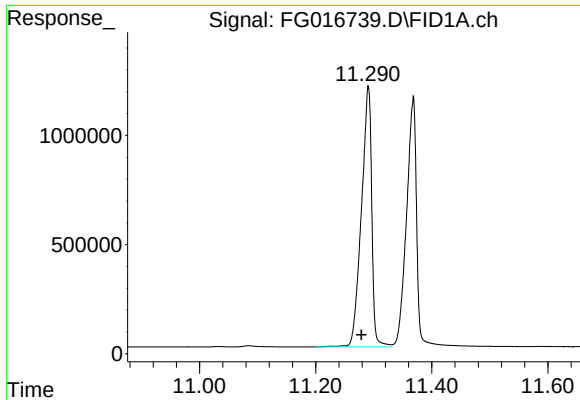
#7 Acenaphthene (C15.5)

R.T.: 9.079 min
Delta R.T.: 0.012 min
Response: 15244316
Conc: 111.39 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.873 min
Delta R.T.: 0.010 min
Response: 14883501
Conc: 113.34 ug/ml



#9 Phenanthrene (C19.36)

R.T.: 11.290 min
Delta R.T.: 0.011 min
Response: 14760569
Conc: 116.60 ug/ml

Instrument :

FID_G

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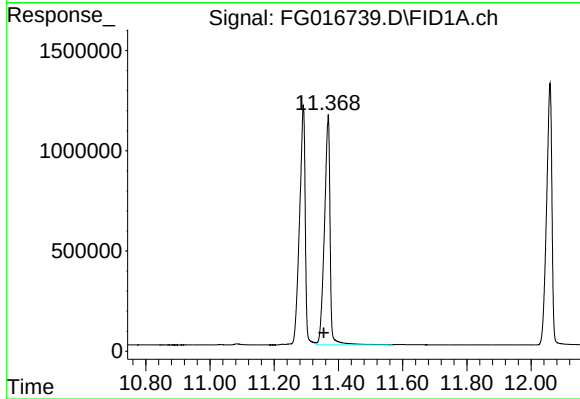
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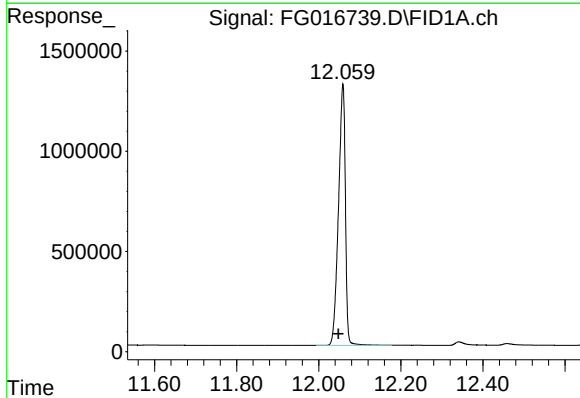
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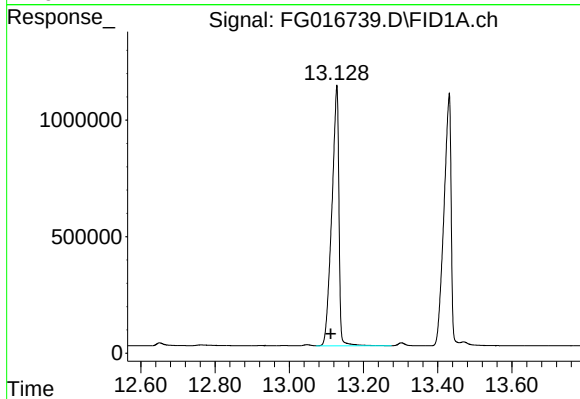
#10 Anthracene (C19.43)

R.T.: 11.367 min
Delta R.T.: 0.013 min
Response: 14071708
Conc: 98.66 ug/ml



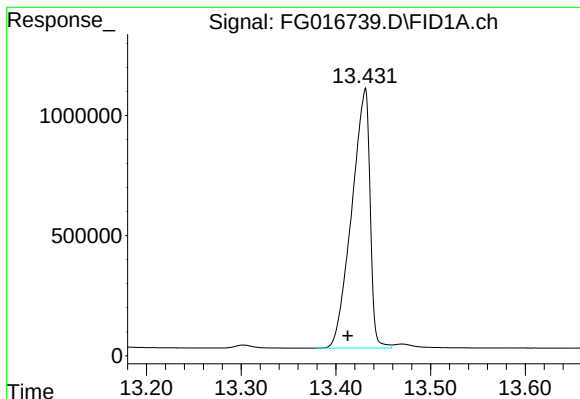
#11 ortho-Terphenyl (SURR)

R.T.: 12.058 min
Delta R.T.: 0.010 min
Response: 15230674
Conc: 108.11 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 13.127 min
Delta R.T.: 0.016 min
Response: 14843511
Conc: 109.10 ug/ml



#13 Pyrene (C20.8)

R.T.: 13.430 min
Delta R.T.: 0.017 min
Response: 14522011
Conc: 105.75 ug/ml

Instrument :

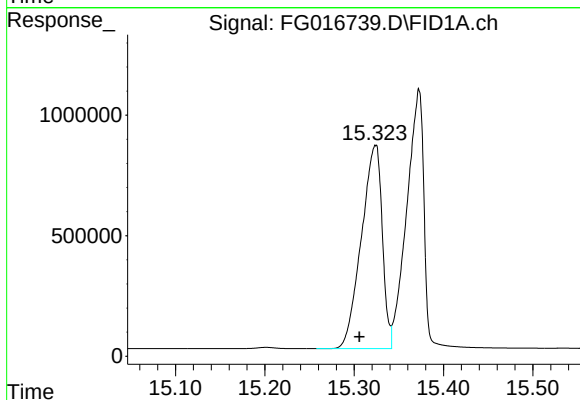
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ClientSampleId :

100 PPM AROMATIC HC STD1

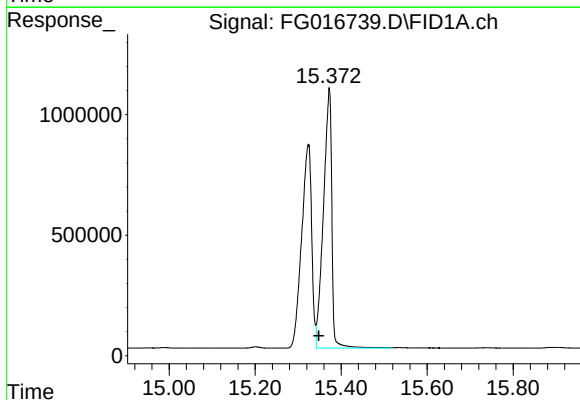
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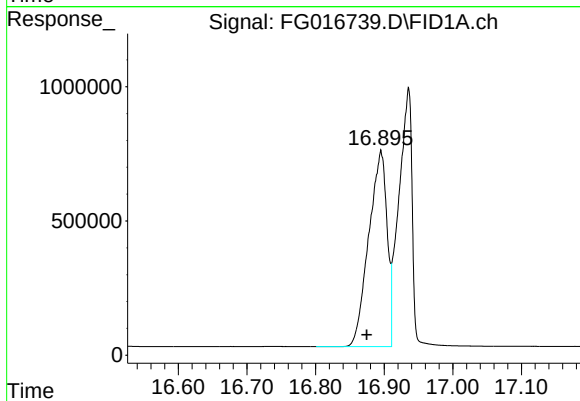
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.323 min
Delta R.T.: 0.017 min
Response: 13700895
Conc: 119.87 ug/ml



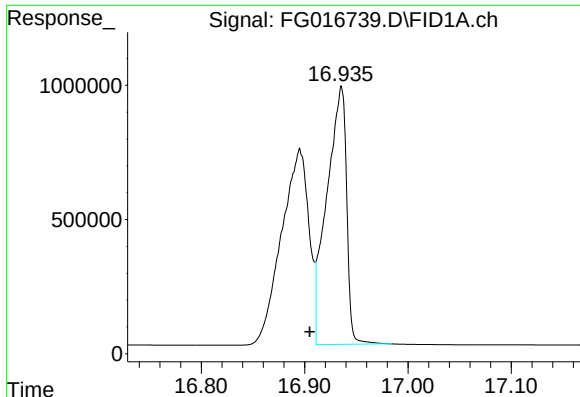
#15 Chrysene (C27.41)

R.T.: 15.372 min
Delta R.T.: 0.023 min
Response: 14599613
Conc: 102.90 ug/ml



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

R.T.: 16.895 min
Delta R.T.: 0.020 min
Response: 13483132
Conc: 124.57 ug/ml



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

R.T.: 16.935 min
Delta R.T.: 0.030 min
Response: 12696313
Conc: 92.47 ug/ml

Instrument :

FID_G

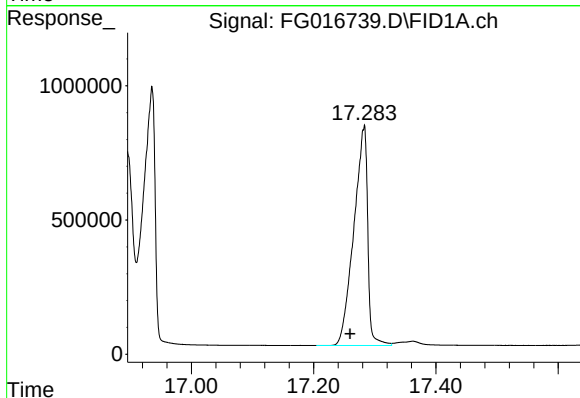
ClientSampleId :

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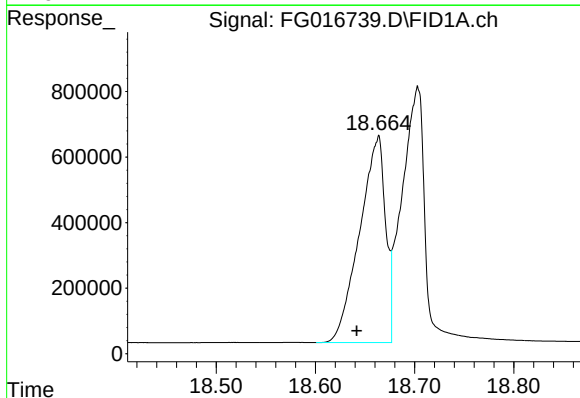
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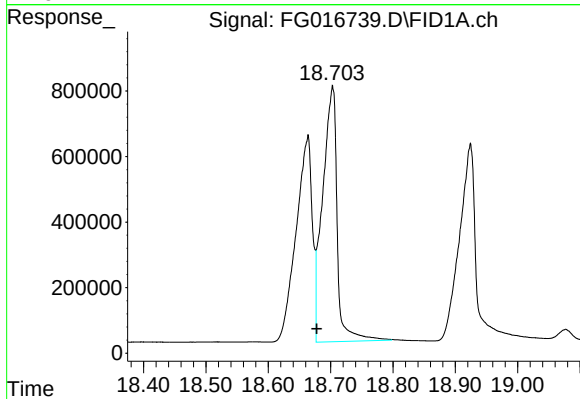
#18 Benzo[a]pyrene (C31.34)

R.T.: 17.282 min
Delta R.T.: 0.022 min
Response: 12895763
Conc: 111.91 ug/ml



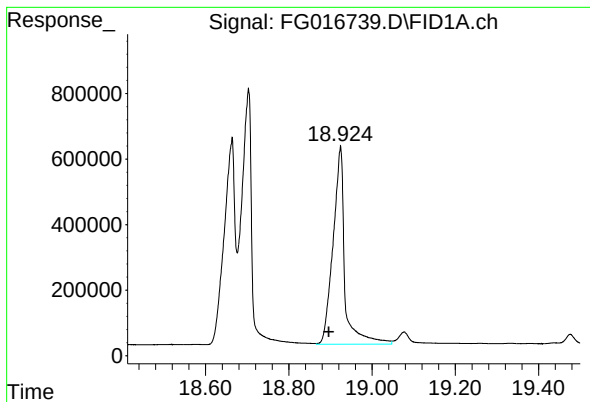
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.662 min
Delta R.T.: 0.021 min
Response: 11415395
Conc: 148.42 ug/ml



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

R.T.: 18.703 min
Delta R.T.: 0.025 min
Response: 12571519
Conc: 85.36 ug/ml m



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

R.T.: 18.924 min
Delta R.T.: 0.028 min
Response: 11891786
Conc: 107.97 ug/ml

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