

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG100225AR\
 Data File : FG016746.D
 Signal(s) : FID1A.ch
 Acq On : 02 Oct 2025 19:58
 Operator : YP\AJ
 Sample : 20 PPM AROMATIC HC STD
 Misc :
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 20 PPM AROMATIC HC STD

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 01:57:25 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 100225.M
 Quant Title : GC Extractables
 QLast Update : Fri Oct 03 01:50:55 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...	8.084	2497090	20.981 ug/ml
Spiked Amount 50.000		Recovery =	41.96%
6) S 2-Fluorobiphenyl (SURR)	8.967	1608308	21.262 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	42.52%
11) S ortho-Terphenyl (SURR)	12.047	3092573	20.569 ug/ml
Spiked Amount 50.000		Recovery =	41.14%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.671	2849651	20.436 ug/ml
2) T Naphthalene (C11.7)	6.352	2959965	20.575 ug/ml
3) T 2-Methylnaphthalene (...)	7.454	2920525	20.604 ug/ml
5) T Acenaphthylene (C15.06)	8.765	2806131	21.044 ug/ml
7) T Acenaphthene (C15.5)	9.065	3146780	20.713 ug/ml
8) T Flouorene (C16.55)	9.861	2870528	20.624 ug/ml
9) T Phenanthrene (C19.36)	11.277	2768316	20.632 ug/ml
10) T Anthracene (C19.43)	11.354	3239302	21.451 ug/ml
12) T Fluoranthene (C21.85)	13.111	3022572	20.898 ug/ml
13) T Pyrene (C20.8)	13.412	3047462	20.955 ug/ml
14) T Benzo[a]anthracene (C...	15.305	2572052	21.349 ug/ml
15) T Chrysene (C27.41)	15.347	3306274	21.030 ug/ml
16) T benzo[b]fluoranthene ...	16.874	2443913	21.073 ug/ml
17) T Bnezo[k]fluoranthene ...	16.905	3056928	20.961 ug/ml
18) T Benzo[a]pyrene (C31.34)	17.260	2613807	21.458 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.640	1604471	17.798 ug/mlm
20) T Dibenz[a,h]anthracene...	18.679	3178131	20.990 ug/ml
21) T Benzo[g,h,i]perylene ...	18.895	2431954	20.691 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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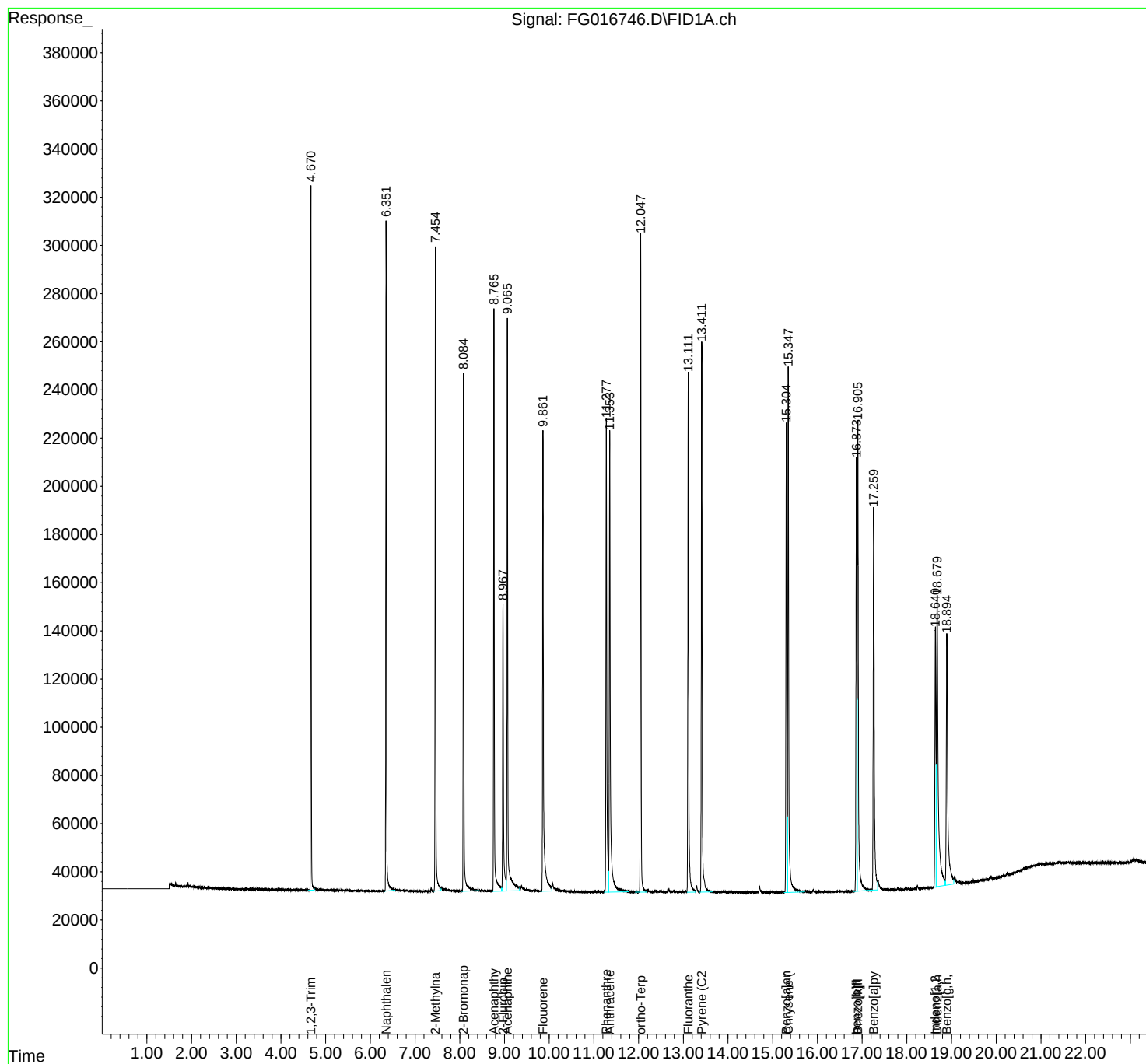
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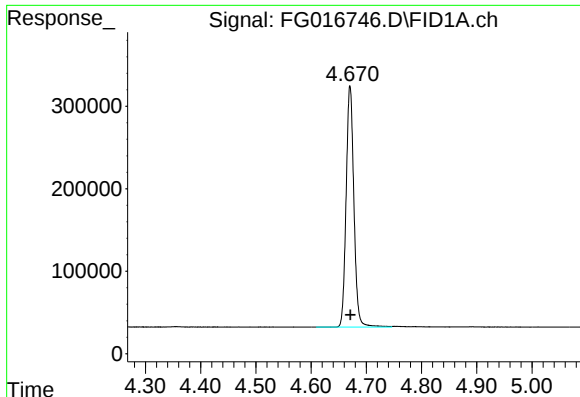
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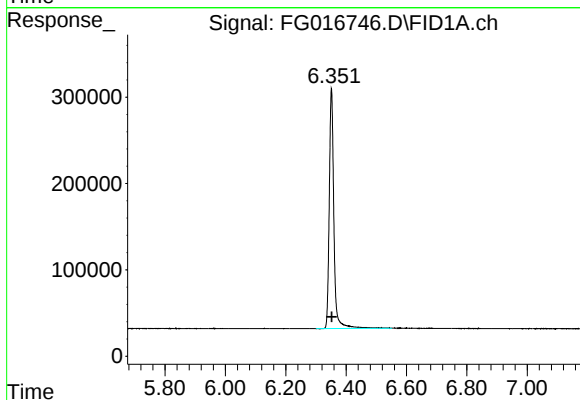
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.671 min
Delta R.T.: 0.000 min
Response: 2849651
Conc: 20.44 ug/ml

Instrument :
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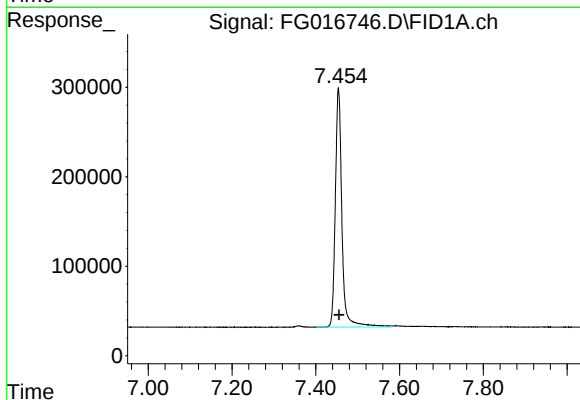
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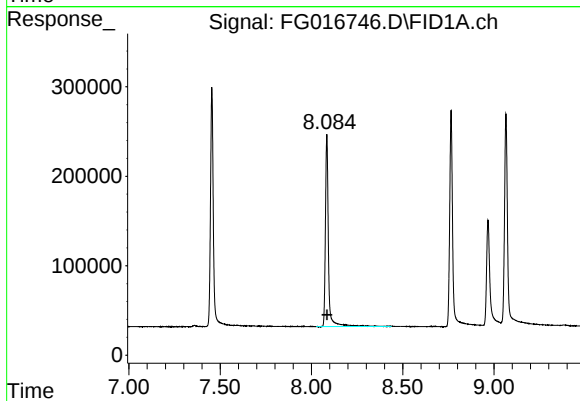
#2 Naphthalene (C11.7)

R.T.: 6.352 min
Delta R.T.: 0.000 min
Response: 2959965
Conc: 20.58 ug/ml



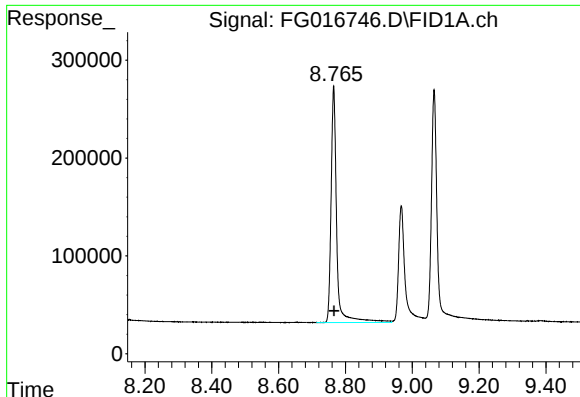
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.454 min
Delta R.T.: -0.001 min
Response: 2920525
Conc: 20.60 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 8.084 min
Delta R.T.: -0.001 min
Response: 2497090
Conc: 20.98 ug/ml



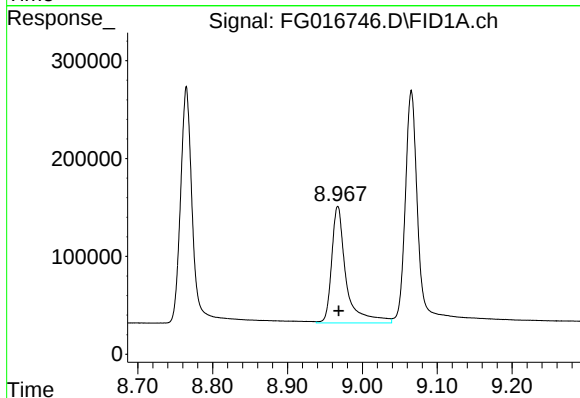
#5 Acenaphthylene (C15.06)

R.T.: 8.765 min
Delta R.T.: -0.001 min
Response: 2806131
Conc: 21.04 ug/ml

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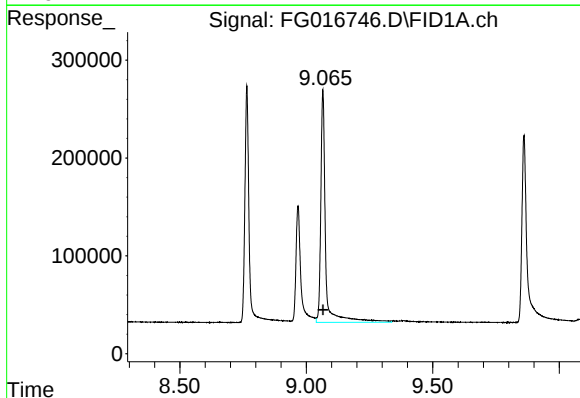
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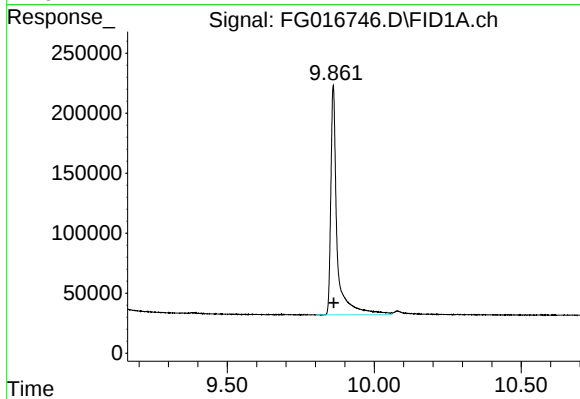
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.967 min
Delta R.T.: -0.001 min
Response: 1608308
Conc: 21.26 ug/ml



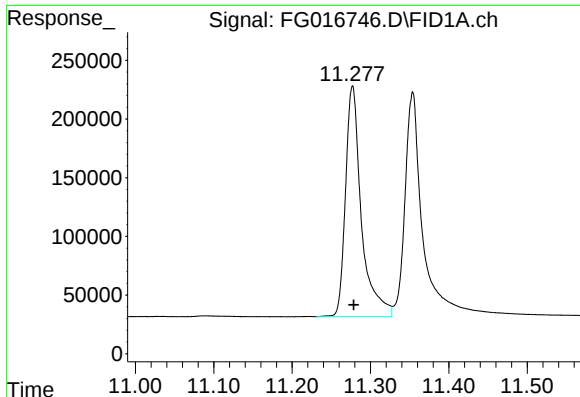
#7 Acenaphthene (C15.5)

R.T.: 9.065 min
Delta R.T.: -0.001 min
Response: 3146780
Conc: 20.71 ug/ml



#8 Fluorene (C16.55)

R.T.: 9.861 min
Delta R.T.: -0.002 min
Response: 2870528
Conc: 20.62 ug/ml



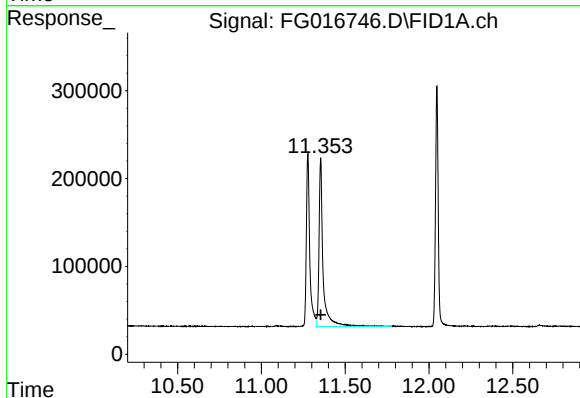
#9 Phenanthrene (C19.36)

R.T.: 11.277 min
Delta R.T.: -0.002 min
Response: 2768316
Conc: 20.63 ug/ml

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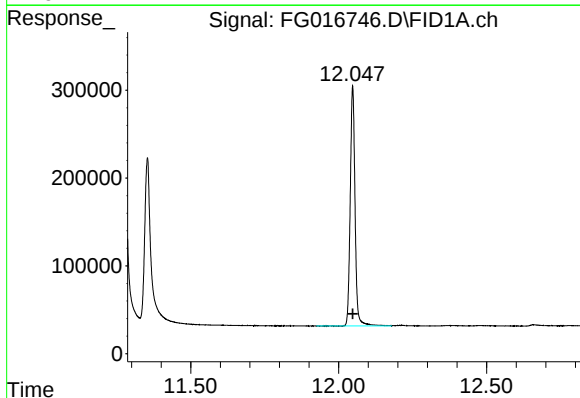
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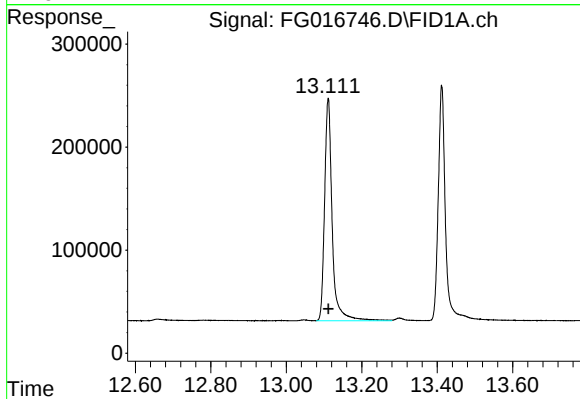
#10 Anthracene (C19.43)

R.T.: 11.354 min
Delta R.T.: 0.000 min
Response: 3239302
Conc: 21.45 ug/ml



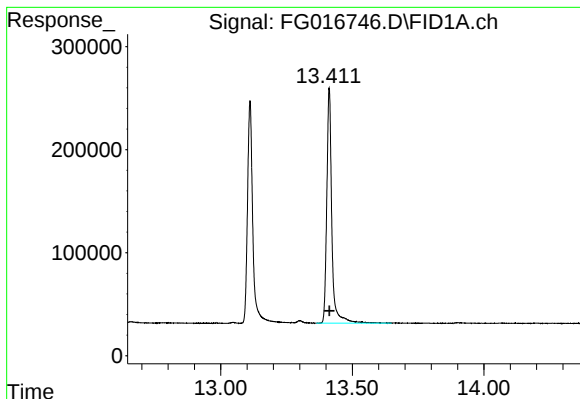
#11 ortho-Terphenyl (SURR)

R.T.: 12.047 min
Delta R.T.: 0.000 min
Response: 3092573
Conc: 20.57 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 13.111 min
Delta R.T.: 0.000 min
Response: 3022572
Conc: 20.90 ug/ml



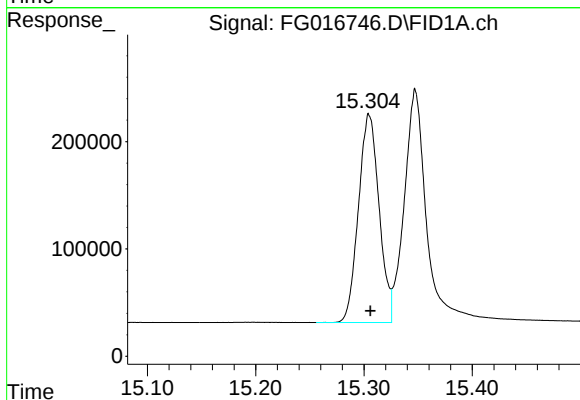
#13 Pyrene (C20.8)

R.T.: 13.412 min
Delta R.T.: 0.000 min
Response: 3047462
Conc: 20.95 ug/ml

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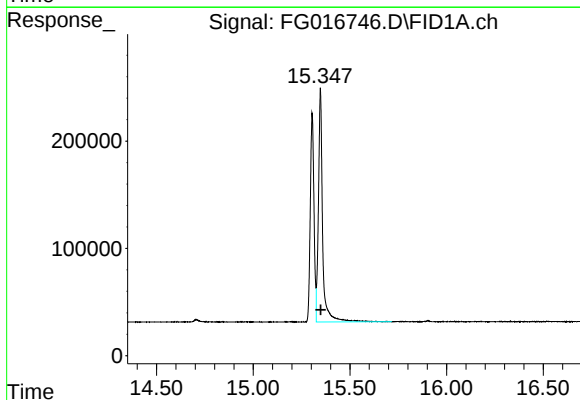
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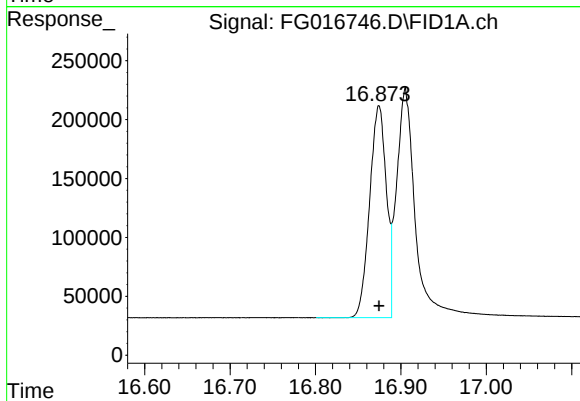
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.305 min
Delta R.T.: -0.001 min
Response: 2572052
Conc: 21.35 ug/ml



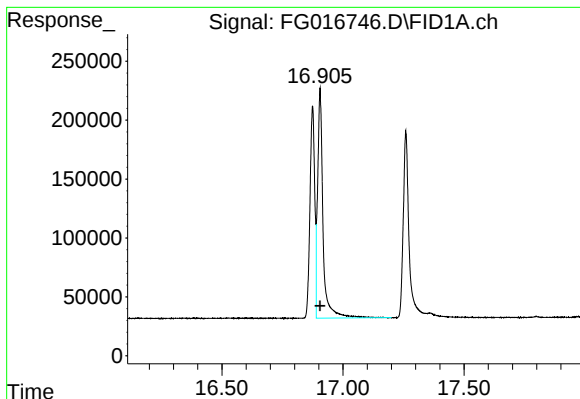
#15 Chrysene (C27.41)

R.T.: 15.347 min
Delta R.T.: 0.000 min
Response: 3306274
Conc: 21.03 ug/ml



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

R.T.: 16.874 min
Delta R.T.: 0.000 min
Response: 2443913
Conc: 21.07 ug/ml



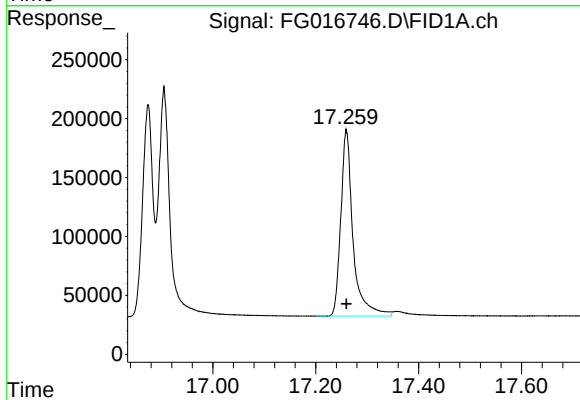
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.905 min
Delta R.T.: 0.000 min
Response: 3056928
Conc: 20.96 ug/ml

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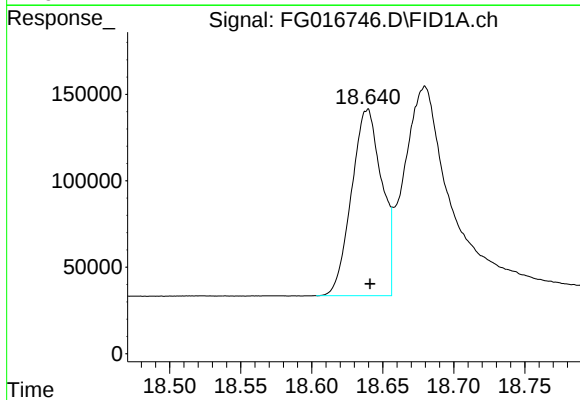
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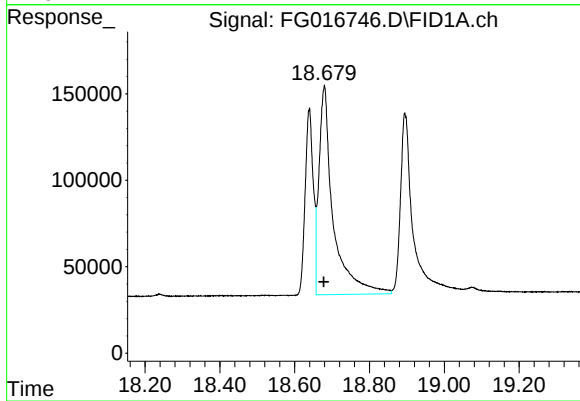
#18 Benzo[a]pyrene (C31.34)

R.T.: 17.260 min
Delta R.T.: 0.000 min
Response: 2613807
Conc: 21.46 ug/ml



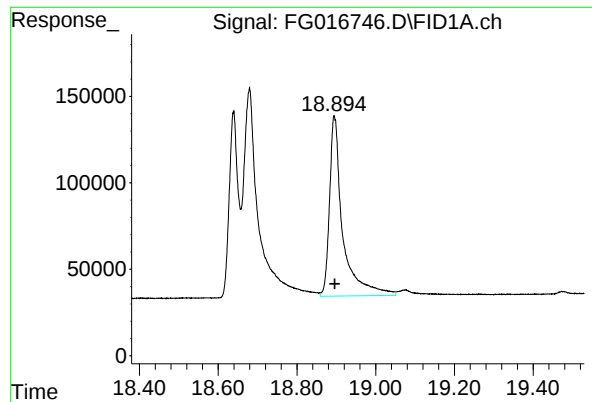
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.640 min
Delta R.T.: -0.001 min
Response: 1604471
Conc: 17.80 ug/ml m



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

R.T.: 18.679 min
Delta R.T.: 0.001 min
Response: 3178131
Conc: 20.99 ug/ml



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

R.T.: 18.895 min
Delta R.T.: 0.000 min
Response: 2431954
Conc: 20.69 ug/ml

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