

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG121525AR\
 Data File : FG017160.D
 Signal(s) : FID1A.ch
 Acq On : 15 Dec 2025 09:45
 Operator : YP\AJ
 Sample : 20 PPM AROMATIC HC STD
 Misc :
 ALS Vial : 62 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 20 PPM AROMATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 12/16/2025
 Supervised By :Yogesh Patel 12/16/2025

Integration File: autoint1.e
 Quant Time: Dec 16 00:46:21 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 112625.M
 Quant Title : GC Extractables
 QLast Update : Mon Dec 01 08:55:13 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...	8.064	2024404	21.745 ug/ml
Spiked Amount 50.000		Recovery =	43.49%
6) S 2-Fluorobiphenyl (SURR)	8.948	1194510	21.235 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	42.47%
11) S ortho-Terphenyl (SURR)	12.023	2773588	19.483 ug/ml
Spiked Amount 50.000		Recovery =	38.97%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.649	2700800	20.429 ug/ml
2) T Naphthalene (C11.7)	6.331	2525113	20.644 ug/ml
3) T 2-Methylnaphthalene (...)	7.434	2382607	21.044 ug/ml
5) T Acenaphthylene (C15.06)	8.743	2511002	20.929 ug/ml
7) T Acenaphthene (C15.5)	9.043	2660742	19.960 ug/ml
8) T Flouorene (C16.55)	9.839	2330725	19.825 ug/ml
9) T Phenanthrene (C19.36)	11.255	2319469	20.280 ug/ml
10) T Anthracene (C19.43)	11.331	2290176	18.849 ug/ml
12) T Fluoranthene (C21.85)	13.088	2441495	19.328 ug/ml
13) T Pyrene (C20.8)	13.389	2494915	19.378 ug/ml
14) T Benzo[a]anthracene (C...	15.283	1830872	20.209 ug/mlm
15) T Chrysene (C27.41)	15.325	2545294	17.950 ug/ml
16) T benzo[b]fluoranthene ...	16.854	2079945	21.096 ug/mlm
17) T Bnezo[k]fluoranthene ...	16.884	2534975	19.340 ug/ml
18) T Benzo[a]pyrene (C31.34)	17.241	2259201	22.753 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.625	1364996	15.422 ug/mlm
20) T Dibenz[a,h]anthracene...	18.663	2468021	18.494 ug/ml
21) T Benzo[g,h,i]perylene ...	18.878	2366518	20.525 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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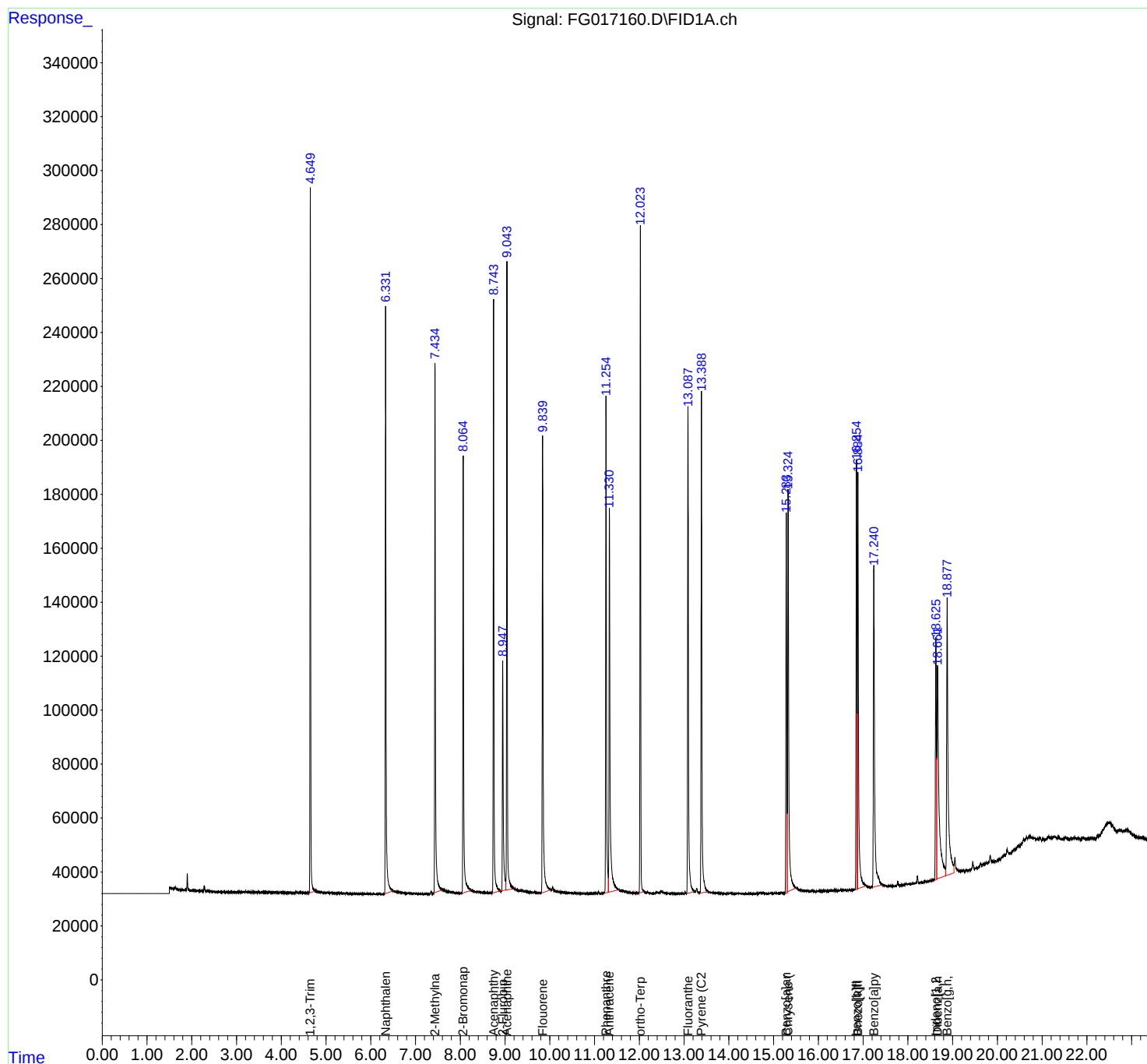
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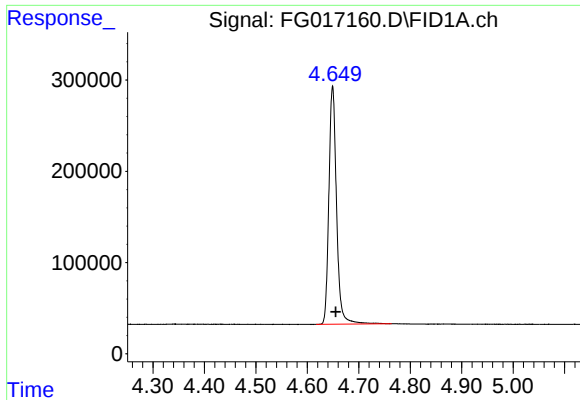
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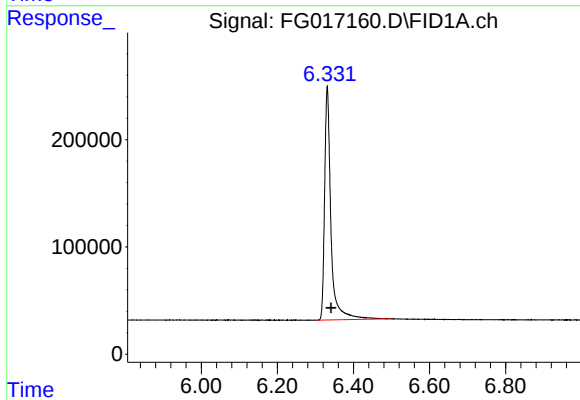
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.649 min
Delta R.T.: -0.006 min
Response: 2700800
Conc: 20.43 ug/ml

Instrument :
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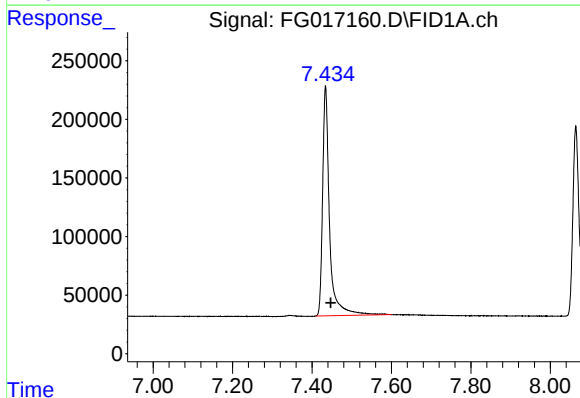
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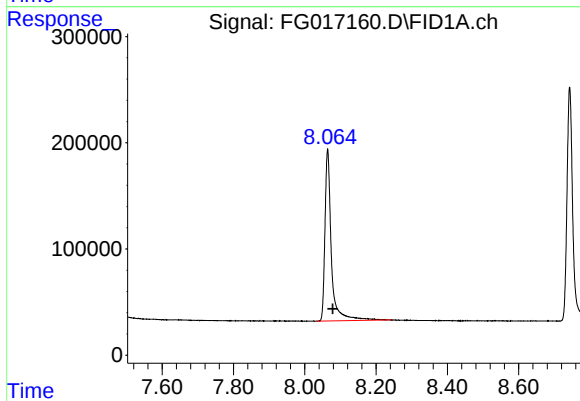
#2 Naphthalene (C11.7)

R.T.: 6.331 min
Delta R.T.: -0.010 min
Response: 2525113
Conc: 20.64 ug/ml



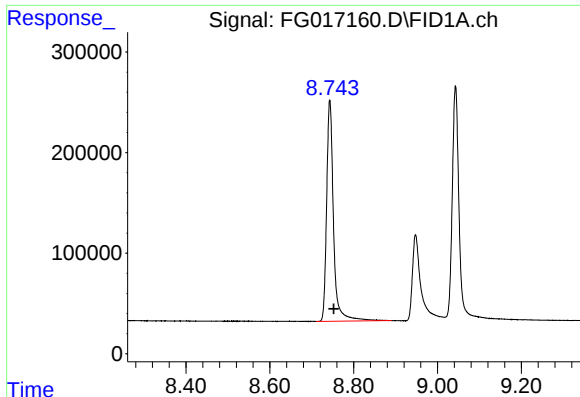
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.434 min
Delta R.T.: -0.013 min
Response: 2382607
Conc: 21.04 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 8.064 min
Delta R.T.: -0.014 min
Response: 2024404
Conc: 21.75 ug/ml



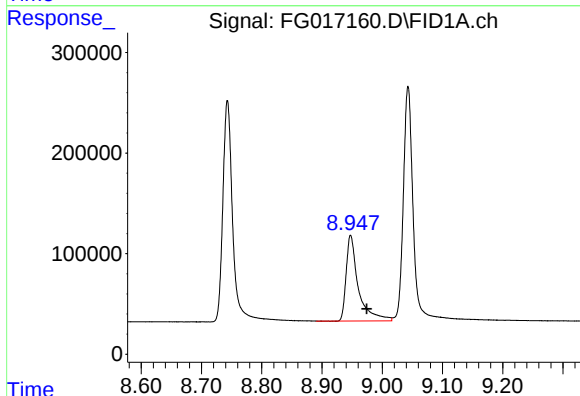
#5 Acenaphthylene (C15.06)

R.T.: 8.743 min
Delta R.T.: -0.009 min
Response: 2511002
Conc: 20.93 ug/ml

Instrument :
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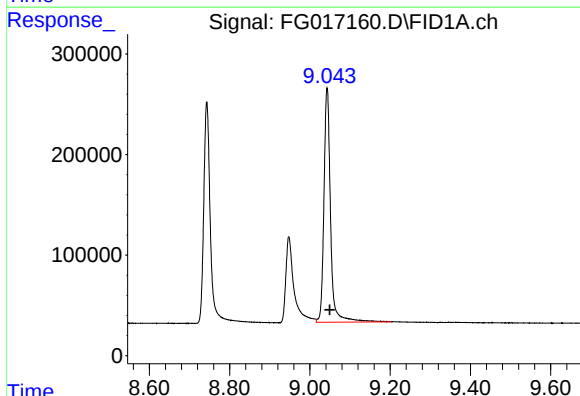
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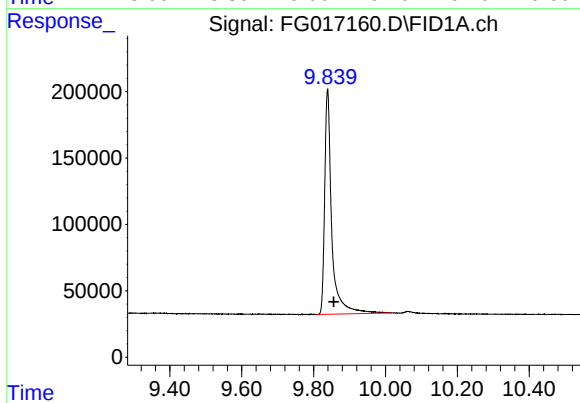
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.948 min
Delta R.T.: -0.026 min
Response: 1194510
Conc: 21.23 ug/ml



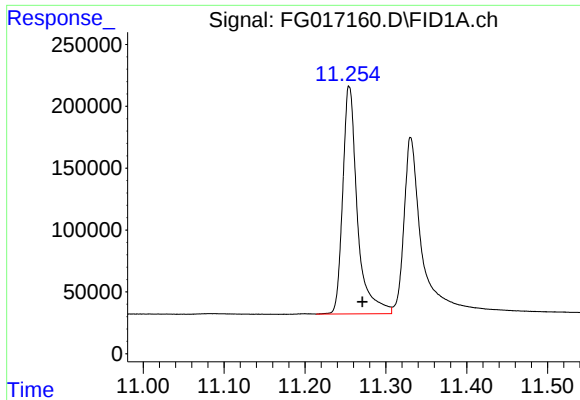
#7 Acenaphthene (C15.5)

R.T.: 9.043 min
Delta R.T.: -0.007 min
Response: 2660742
Conc: 19.96 ug/ml



#8 Fluorene (C16.55)

R.T.: 9.839 min
Delta R.T.: -0.018 min
Response: 2330725
Conc: 19.82 ug/ml



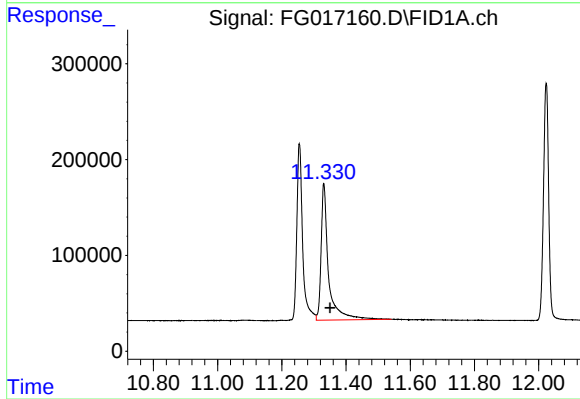
#9 Phenanthrene (C19.36)

R.T.: 11.255 min
Delta R.T.: -0.016 min
Response: 2319469
Conc: 20.28 ug/ml

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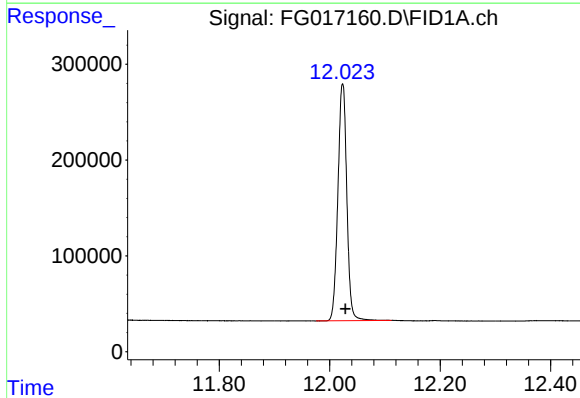
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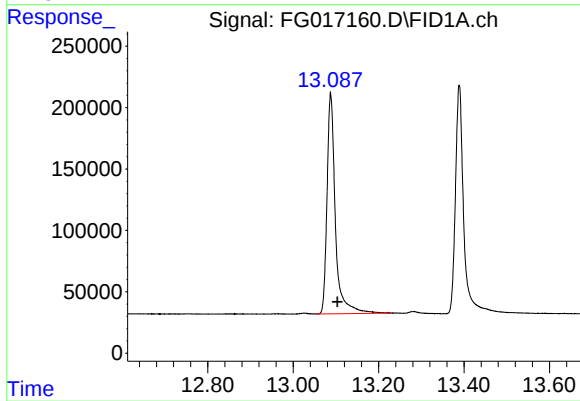
#10 Anthracene (C19.43)

R.T.: 11.331 min
Delta R.T.: -0.020 min
Response: 2290176
Conc: 18.85 ug/ml



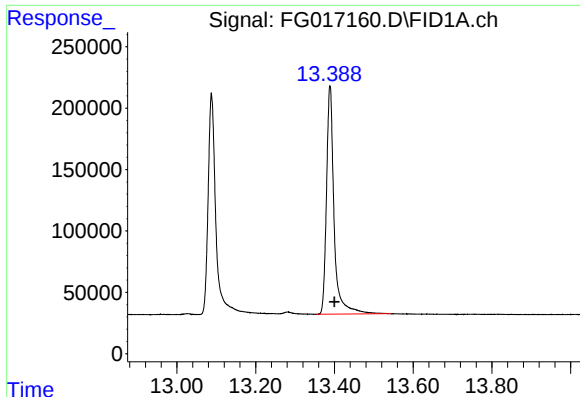
#11 ortho-Terphenyl (SURR)

R.T.: 12.023 min
Delta R.T.: -0.005 min
Response: 2773588
Conc: 19.48 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 13.088 min
Delta R.T.: -0.015 min
Response: 2441495
Conc: 19.33 ug/ml



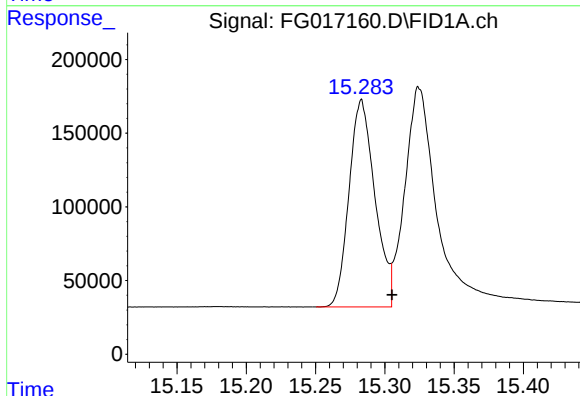
#13 Pyrene (C20.8)

R.T.: 13.389 min
Delta R.T.: -0.012 min
Response: 2494915
Conc: 19.38 ug/ml

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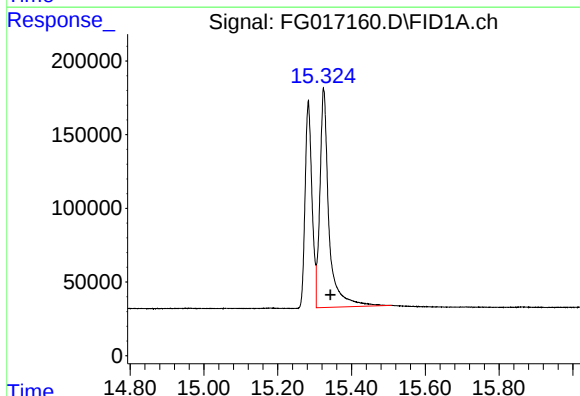
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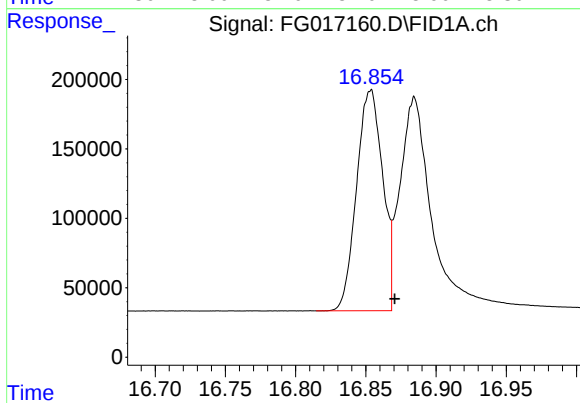
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.283 min
Delta R.T.: -0.022 min
Response: 1830872
Conc: 20.21 ug/ml m



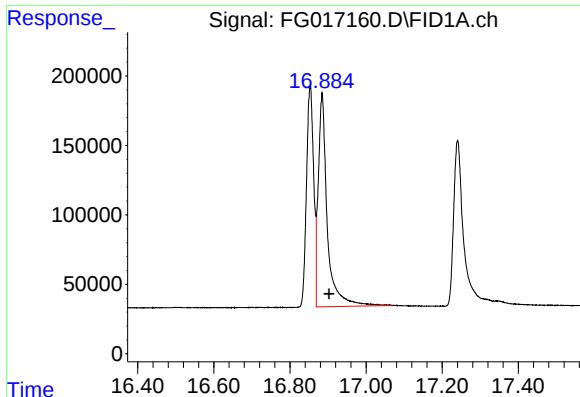
#15 Chrysene (C27.41)

R.T.: 15.325 min
Delta R.T.: -0.018 min
Response: 2545294
Conc: 17.95 ug/ml



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

R.T.: 16.854 min
Delta R.T.: -0.017 min
Response: 2079945
Conc: 21.10 ug/ml m



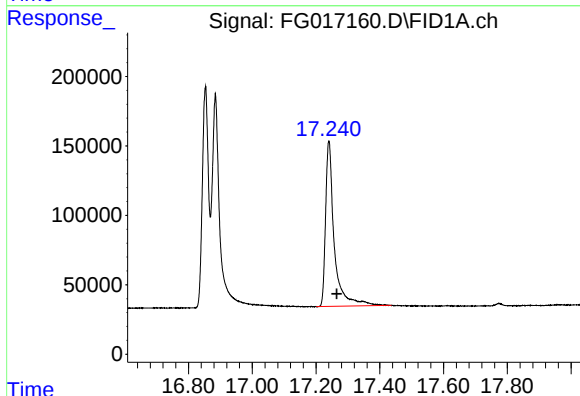
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.884 min
Delta R.T.: -0.018 min
Response: 2534975
Conc: 19.34 ug/ml

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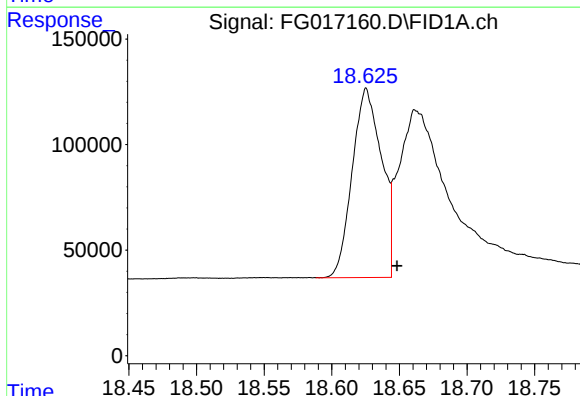
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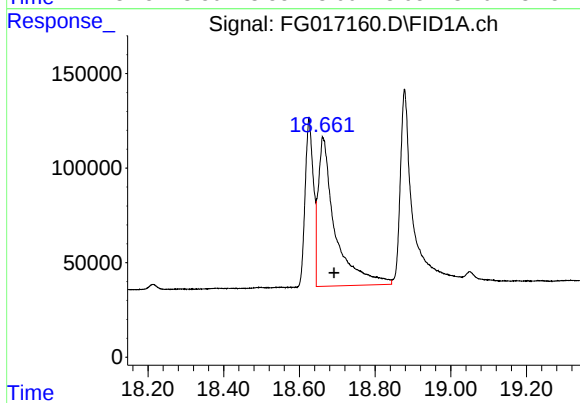
#18 Benzo[a]pyrene (C31.34)

R.T.: 17.241 min
Delta R.T.: -0.024 min
Response: 2259201
Conc: 22.75 ug/ml



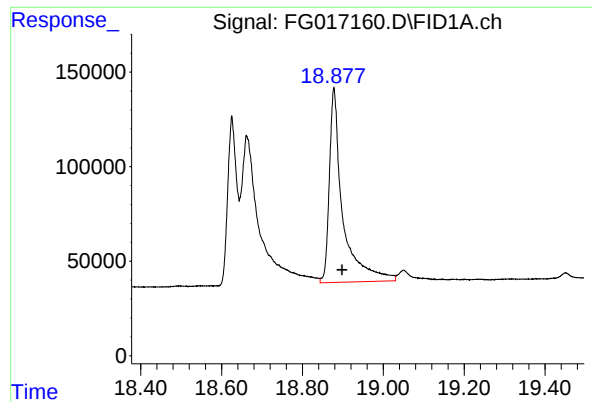
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.625 min
Delta R.T.: -0.023 min
Response: 1364996
Conc: 15.42 ug/ml m



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

R.T.: 18.663 min
Delta R.T.: -0.029 min
Response: 2468021
Conc: 18.49 ug/ml



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

R.T.: 18.878 min
Delta R.T.: -0.020 min
Response: 2366518
Conc: 20.52 ug/ml

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