

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG120825AR\
 Data File : FG017123.D
 Signal(s) : FID1A.ch
 Acq On : 08 Dec 2025 10:48
 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 12/09/2025
 Supervised By :Yogesh Patel 12/09/2025

Integration File: autoint1.e
 Quant Time: Dec 09 00:54:10 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...	8.066	1684576	18.095 ug/ml
Spiked Amount 50.000		Recovery =	36.19%
6) S 2-Fluorobiphenyl (SURR)	8.951	976479	17.359 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	34.72%
11) S ortho-Terphenyl (SURR)	12.027	2351368	16.517 ug/ml
Spiked Amount 50.000		Recovery =	33.03%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.650	2258192	17.081 ug/ml
2) T Naphthalene (C11.7)	6.333	2141637	17.509 ug/ml
3) T 2-Methylnaphthalene (...)	7.436	2006918	17.726 ug/ml
5) T Acenaphthylene (C15.06)	8.745	2089521	17.416 ug/ml
7) T Acenaphthene (C15.5)	9.046	2249414	16.874 ug/ml
8) T Flouorene (C16.55)	9.842	1970228	16.758 ug/ml
9) T Phenanthrene (C19.36)	11.258	1970963	17.233 ug/ml
10) T Anthracene (C19.43)	11.334	2072528	17.058 ug/ml
12) T Fluoranthene (C21.85)	13.092	2090844	16.552 ug/ml
13) T Pyrene (C20.8)	13.393	2114363	16.422 ug/ml
14) T Benzo[a]anthracene (C...	15.287	1653852	18.255 ug/ml
15) T Chrysene (C27.41)	15.329	2204631	15.548 ug/ml
16) T benzo[b]fluoranthene ...	16.856	1792047	18.176 ug/ml
17) T Bnezo[k]fluoranthene ...	16.888	2112649	16.118 ug/ml
18) T Benzo[a]pyrene (C31.34)	17.242	1839819	18.529 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.625	1450721	16.390 ug/mlm
20) T Dibenz[a,h]anthracene...	18.663	2464725	18.469 ug/ml
21) T Benzo[g,h,i]perylene ...	18.880	2110408	18.304 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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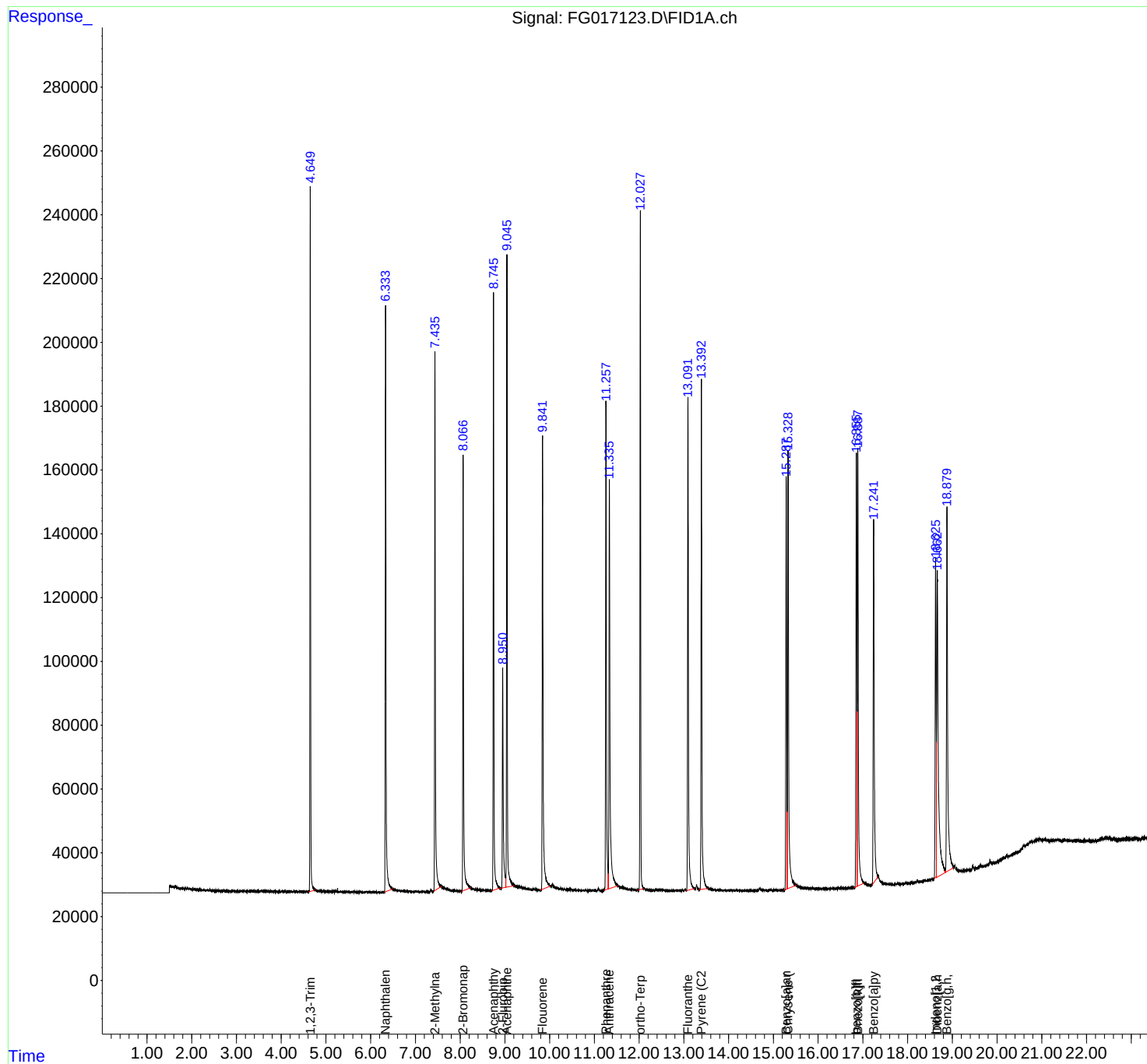
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20 PPM AROMATIC HC STD

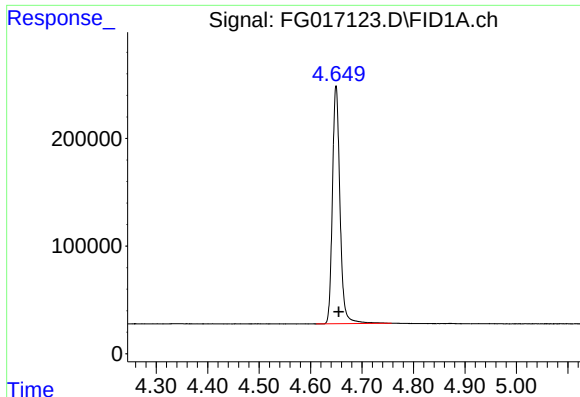
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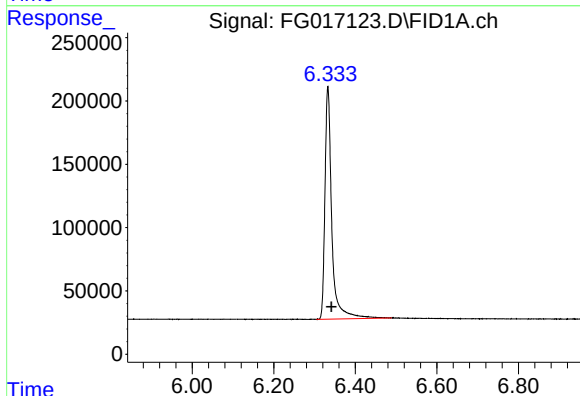
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.650 min
Delta R.T.: -0.005 min
Response: 2258192
Conc: 17.08 ug/ml

Instrument :
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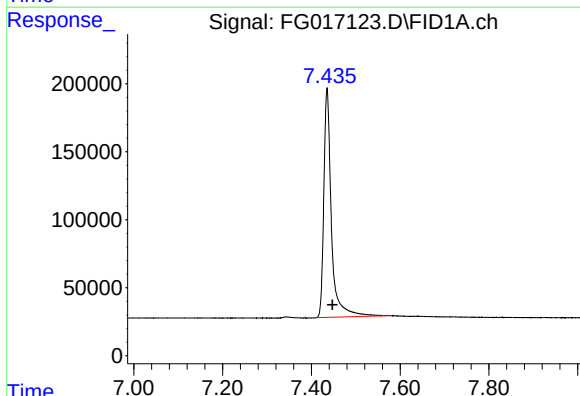
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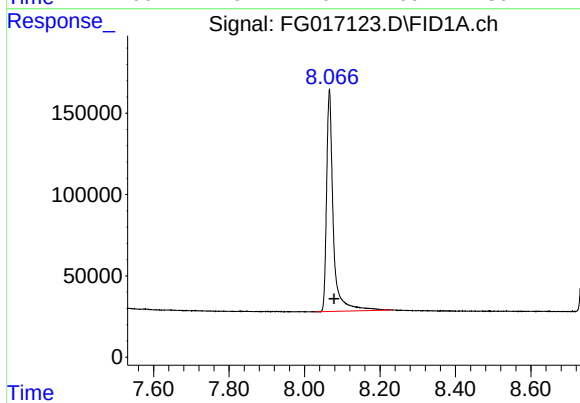
#2 Naphthalene (C11.7)

R.T.: 6.333 min
Delta R.T.: -0.009 min
Response: 2141637
Conc: 17.51 ug/ml



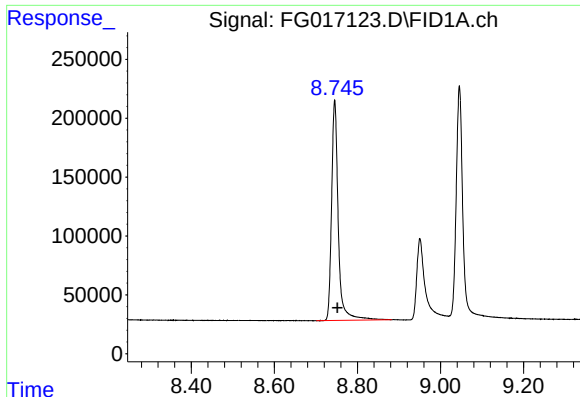
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.436 min
Delta R.T.: -0.012 min
Response: 2006918
Conc: 17.73 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 8.066 min
Delta R.T.: -0.013 min
Response: 1684576
Conc: 18.09 ug/ml



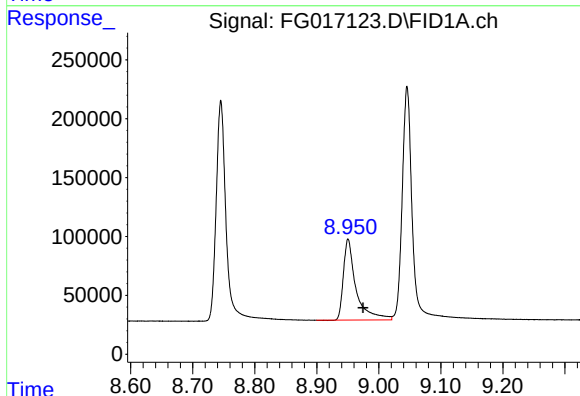
#5 Acenaphthylene (C15.06)

R.T.: 8.745 min
Delta R.T.: -0.007 min
Response: 2089521
Conc: 17.42 ug/ml

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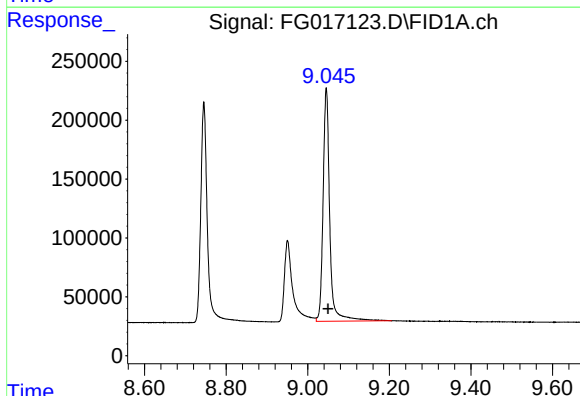
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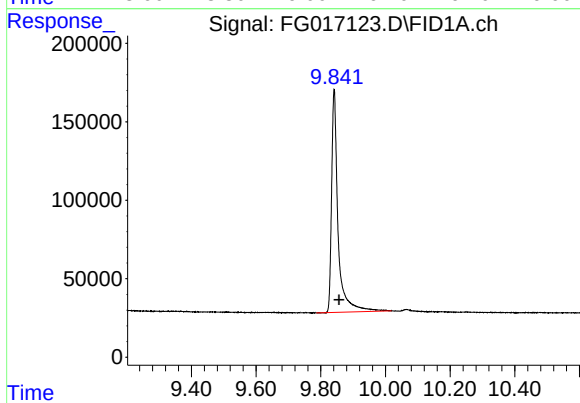
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.951 min
Delta R.T.: -0.024 min
Response: 976479
Conc: 17.36 ug/ml



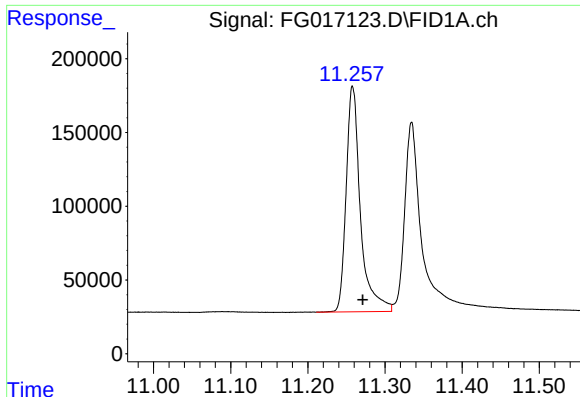
#7 Acenaphthene (C15.5)

R.T.: 9.046 min
Delta R.T.: -0.004 min
Response: 2249414
Conc: 16.87 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.842 min
Delta R.T.: -0.015 min
Response: 1970228
Conc: 16.76 ug/ml



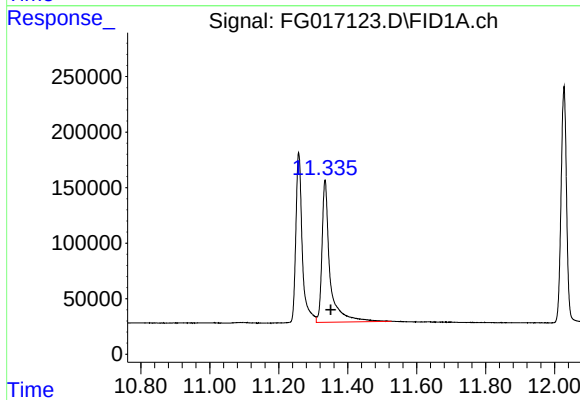
#9 Phenanthrene (C19.36)

R.T.: 11.258 min
Delta R.T.: -0.013 min
Response: 1970963
Conc: 17.23 ug/ml

Instrument :
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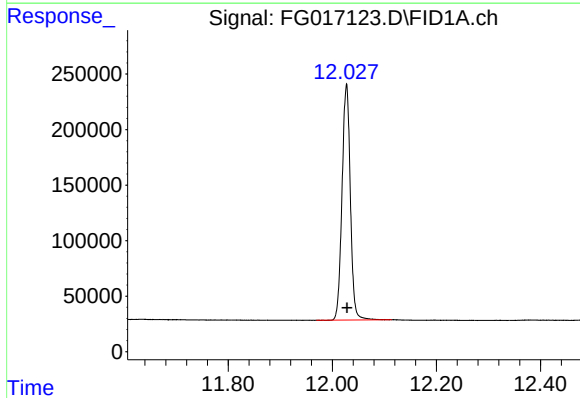
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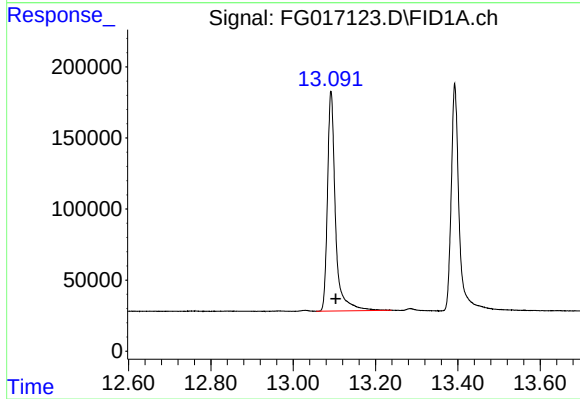
#10 Anthracene (C19.43)

R.T.: 11.334 min
Delta R.T.: -0.016 min
Response: 2072528
Conc: 17.06 ug/ml



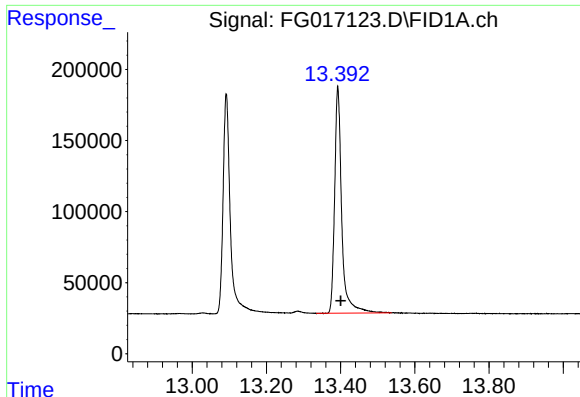
#11 ortho-Terphenyl (SURR)

R.T.: 12.027 min
Delta R.T.: -0.001 min
Response: 2351368
Conc: 16.52 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 13.092 min
Delta R.T.: -0.011 min
Response: 2090844
Conc: 16.55 ug/ml



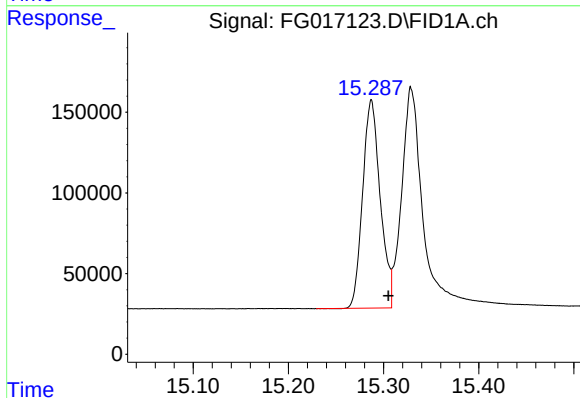
#13 Pyrene (C20.8)

R.T.: 13.393 min
Delta R.T.: -0.008 min
Response: 2114363
Conc: 16.42 ug/ml

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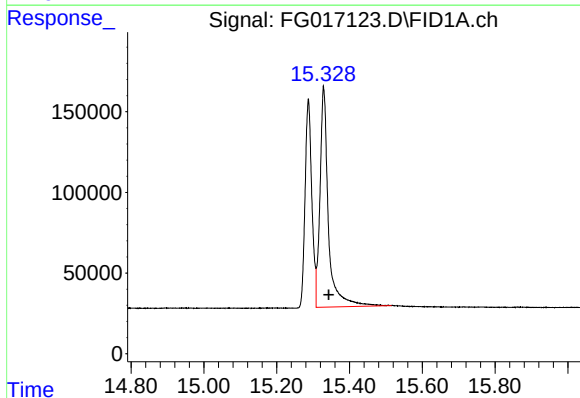
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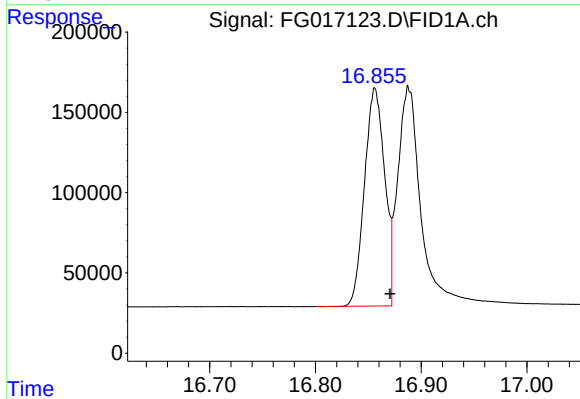
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.287 min
Delta R.T.: -0.018 min
Response: 1653852
Conc: 18.25 ug/ml



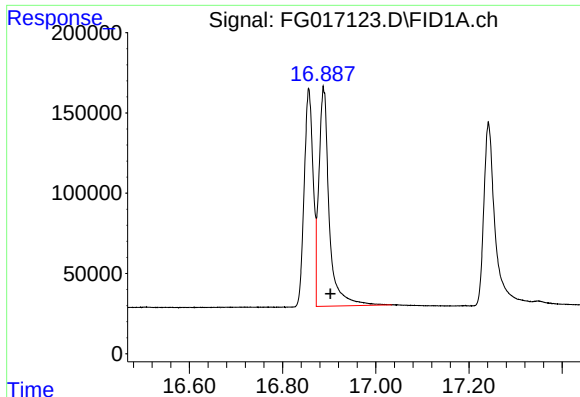
#15 Chrysene (C27.41)

R.T.: 15.329 min
Delta R.T.: -0.013 min
Response: 2204631
Conc: 15.55 ug/ml



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

R.T.: 16.856 min
Delta R.T.: -0.014 min
Response: 1792047
Conc: 18.18 ug/ml



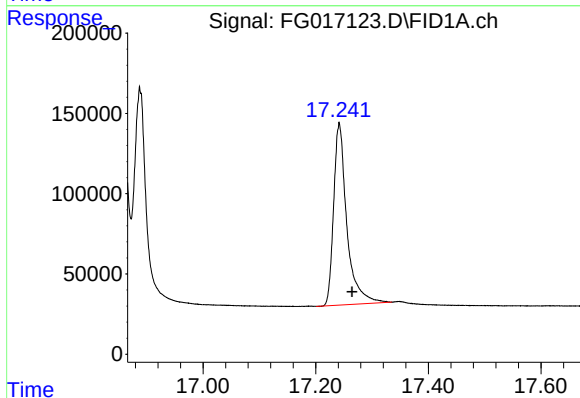
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.888 min
Delta R.T.: -0.015 min
Response: 2112649
Conc: 16.12 ug/ml

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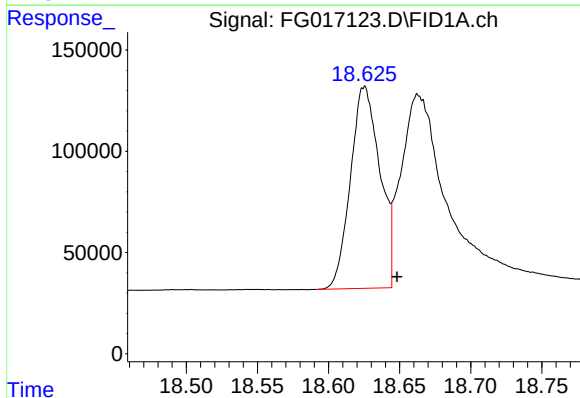
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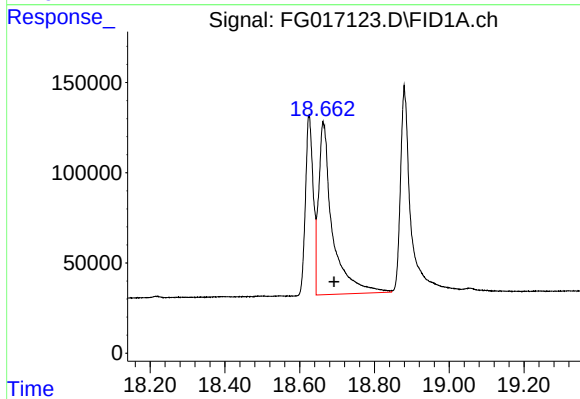
#18 Benzo[a]pyrene (C31.34)

R.T.: 17.242 min
Delta R.T.: -0.023 min
Response: 1839819
Conc: 18.53 ug/ml



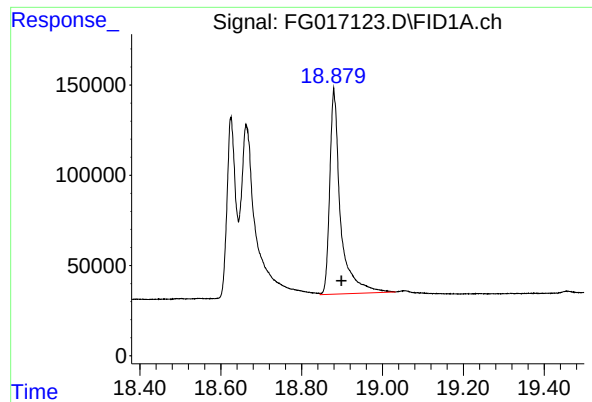
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.625 min
Delta R.T.: -0.023 min
Response: 1450721
Conc: 16.39 ug/ml m



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

R.T.: 18.663 min
Delta R.T.: -0.028 min
Response: 2464725
Conc: 18.47 ug/ml



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

R.T.: 18.880 min
Delta R.T.: -0.018 min
Response: 2110408
Conc: 18.30 ug/ml

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