

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG091924AR\
 Data File : FG014280.D
 Signal(s) : FID1A.ch
 Acq On : 19 Sep 2024 14:06
 Operator : YP\AJ
 Sample : 20 PPM AROMATIC HC STD
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 20 PPM AROMATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/20/2024
 Supervised By :Ankita Jodhani 09/20/2024

Integration File: autoint1.e
 Quant Time: Sep 20 02:46:53 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 090424.M
 Quant Title : GC Extractables
 QLast Update : Wed Sep 04 11:28:29 2024
 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...	7.874	2124013	18.985 ug/ml
Spiked Amount 50.000		Recovery =	37.97%
6) S 2-Fluorobiphenyl (SURR)	8.748	1373882	18.870 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	37.74%
11) S ortho-Terphenyl (SURR)	11.814	2496960	18.524 ug/ml
Spiked Amount 50.000		Recovery =	37.05%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.476	2383635	18.515 ug/ml
2) T Naphthalene (C11.7)	6.145	2427830	19.247 ug/ml
3) T 2-Methylnaphthalene (...)	7.244	2511315	19.717 ug/ml
5) T Acenaphthylene (C15.06)	8.545	2427616	18.678 ug/ml
7) T Acenaphthene (C15.5)	8.844	2657341	19.188 ug/ml
8) T Flouorene (C16.55)	9.637	2460619	18.983 ug/ml
9) T Phenanthrene (C19.36)	11.045	2220580	18.373 ug/ml
10) T Anthracene (C19.43)	11.120	2613234	18.836 ug/ml
12) T Fluoranthene (C21.85)	12.869	2446787	18.874 ug/ml
13) T Pyrene (C20.8)	13.166	2475099	18.955 ug/ml
14) T Benzo[a]anthracene (C...	15.052	2074882	18.239 ug/mlm
15) T Chrysene (C27.41)	15.093	2691016	19.036 ug/ml
16) T benzo[b]fluoranthene ...	16.612	2021466	17.637 ug/mlm
17) T Bnezo[k]fluoranthene ...	16.643	2636689	19.608 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.996	2331344	18.762 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.371	1594477	16.131 ug/mlm
20) T Dibenz[a,h]anthracene...	18.411	3217050	21.853 ug/ml
21) T Benzo[g,h,i]perylene ...	18.623	2512003	19.220 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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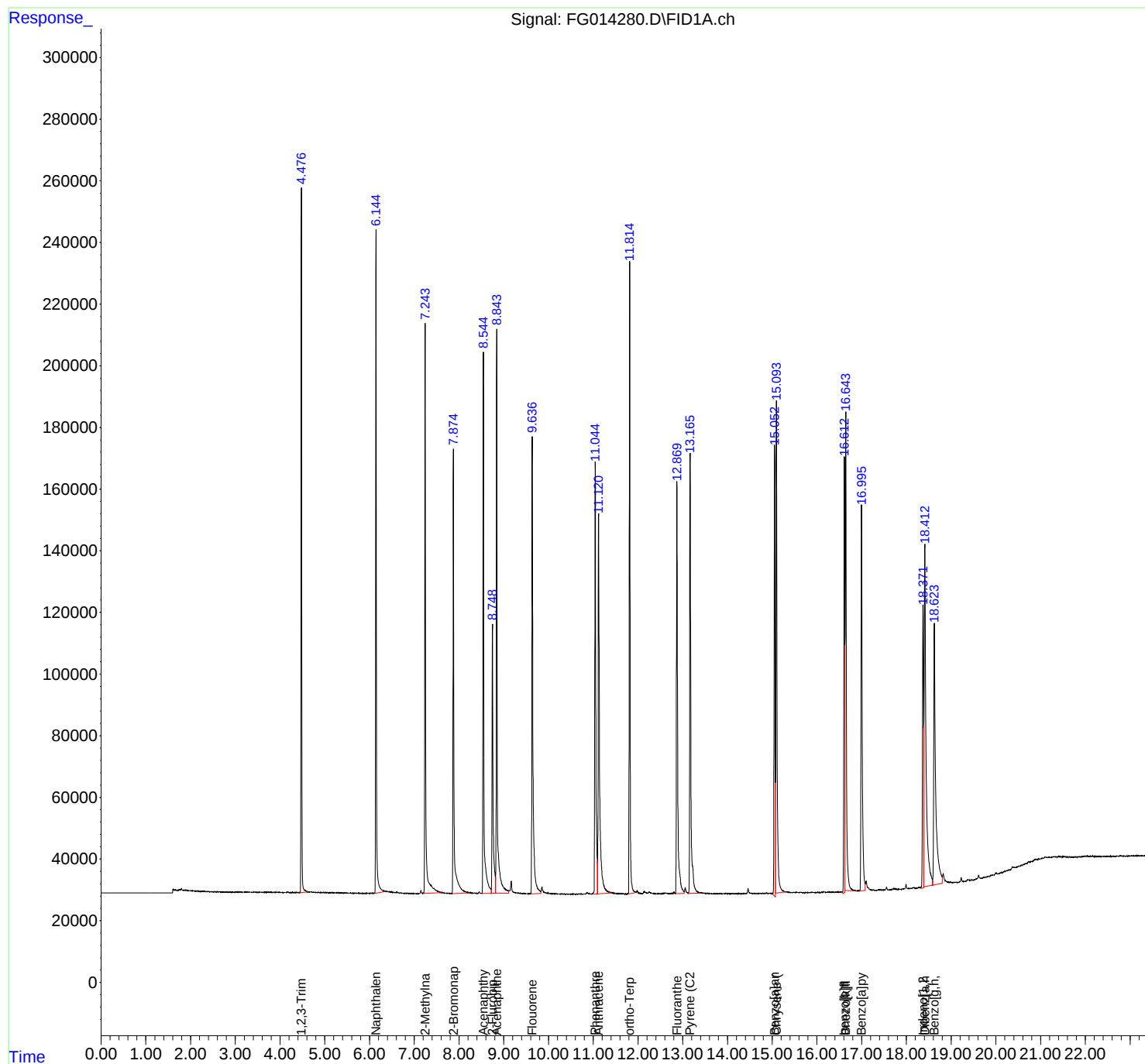
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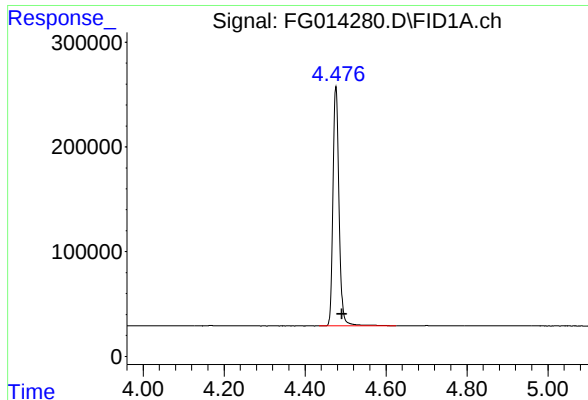
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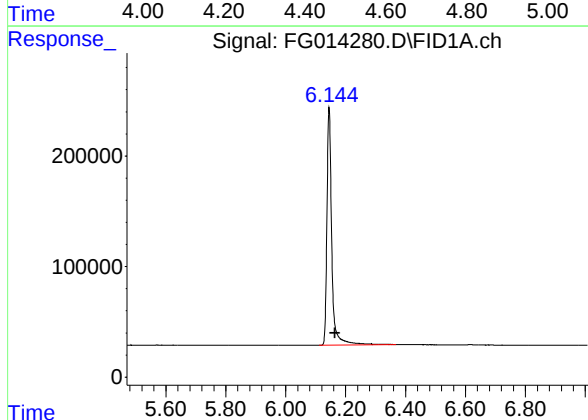
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.476 min
Delta R.T.: -0.016 min
Response: 2383635
Conc: 18.52 ug/ml

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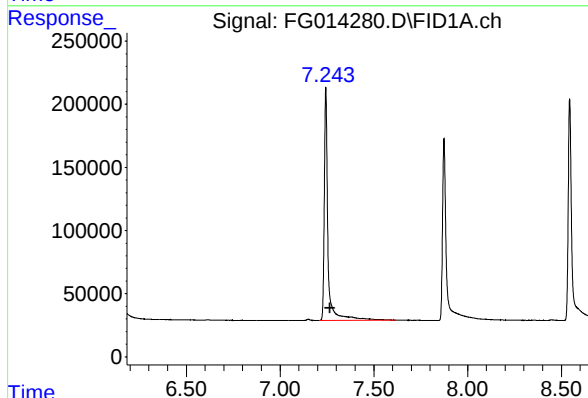
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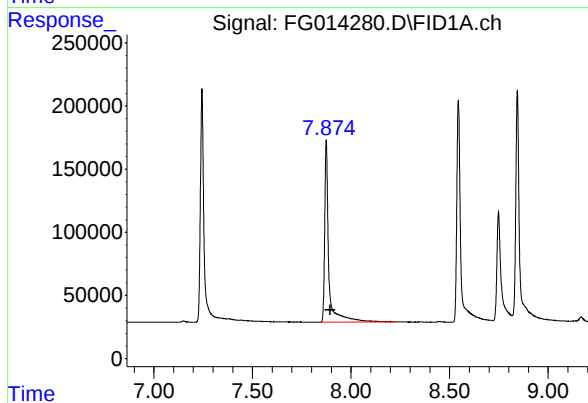
#2 Naphthalene (C11.7)

R.T.: 6.145 min
Delta R.T.: -0.020 min
Response: 2427830
Conc: 19.25 ug/ml



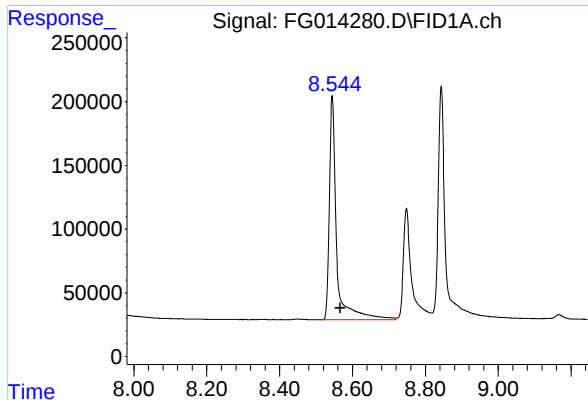
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.244 min
Delta R.T.: -0.023 min
Response: 2511315
Conc: 19.72 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.874 min
Delta R.T.: -0.021 min
Response: 2124013
Conc: 18.98 ug/ml



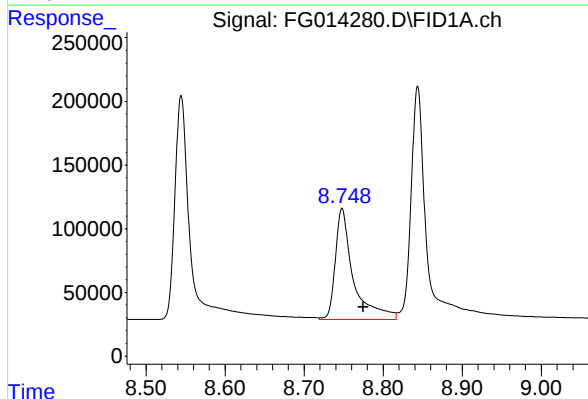
#5 Acenaphthylene (C15.06)

R.T.: 8.545 min
Delta R.T.: -0.021 min
Response: 2427616
Conc: 18.68 ug/ml

Instrument :
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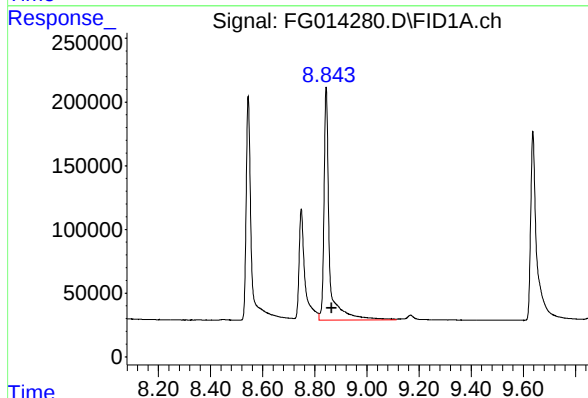
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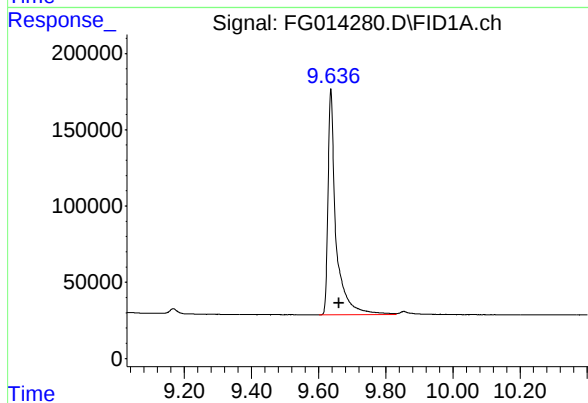
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.748 min
Delta R.T.: -0.027 min
Response: 1373882
Conc: 18.87 ug/ml



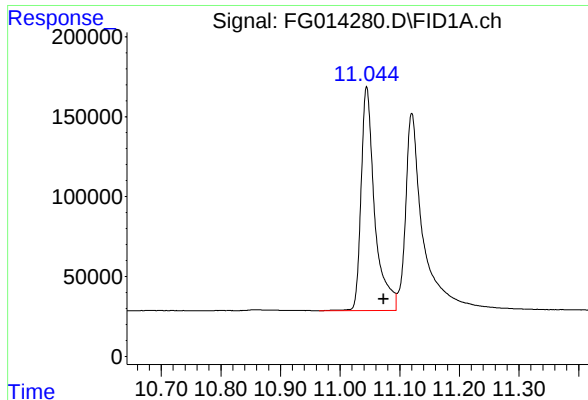
#7 Acenaphthene (C15.5)

R.T.: 8.844 min
Delta R.T.: -0.021 min
Response: 2657341
Conc: 19.19 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.637 min
Delta R.T.: -0.024 min
Response: 2460619
Conc: 18.98 ug/ml



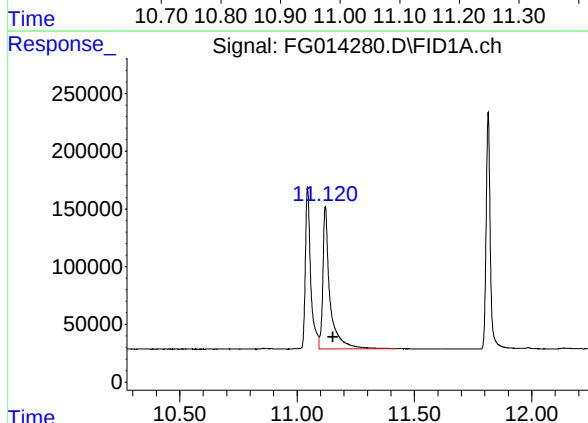
#9 Phenanthrene (C19.36)

R.T.: 11.045 min
Delta R.T.: -0.029 min
Response: 2220580
Conc: 18.37 ug/ml

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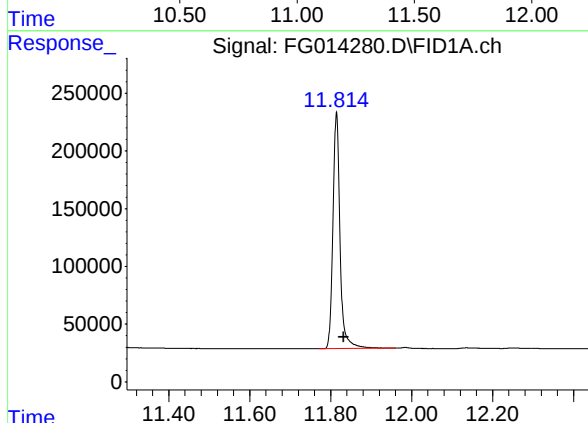
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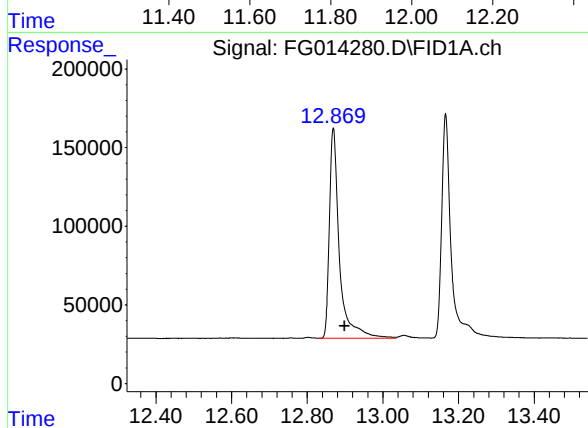
#10 Anthracene (C19.43)

R.T.: 11.120 min
Delta R.T.: -0.031 min
Response: 2613234
Conc: 18.84 ug/ml



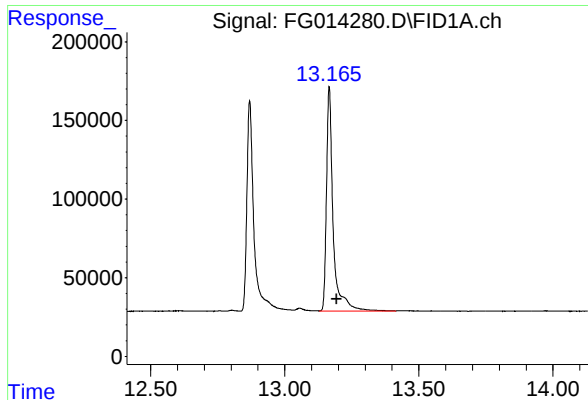
#11 ortho-Terphenyl (SURR)

R.T.: 11.814 min
Delta R.T.: -0.018 min
Response: 2496960
Conc: 18.52 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.869 min
Delta R.T.: -0.030 min
Response: 2446787
Conc: 18.87 ug/ml



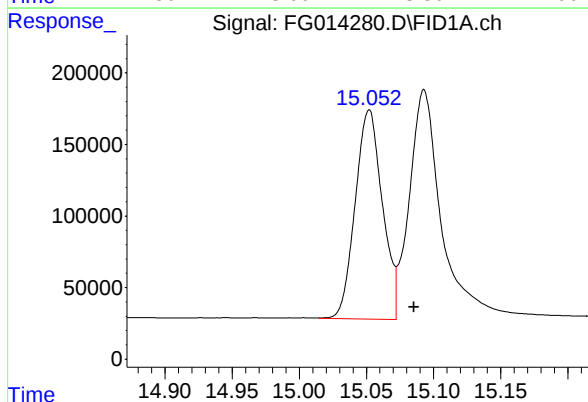
#13 Pyrene (C20.8)

R.T.: 13.166 min
Delta R.T.: -0.028 min
Response: 2475099
Conc: 18.96 ug/ml

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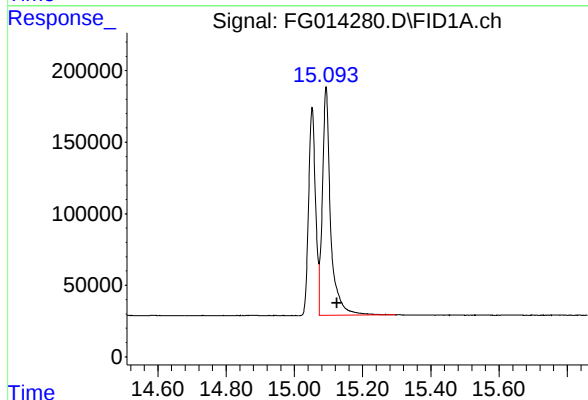
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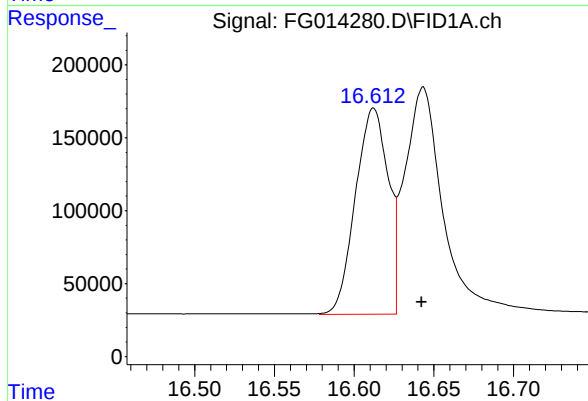
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.052 min
Delta R.T.: -0.033 min
Response: 2074882
Conc: 18.24 ug/ml m



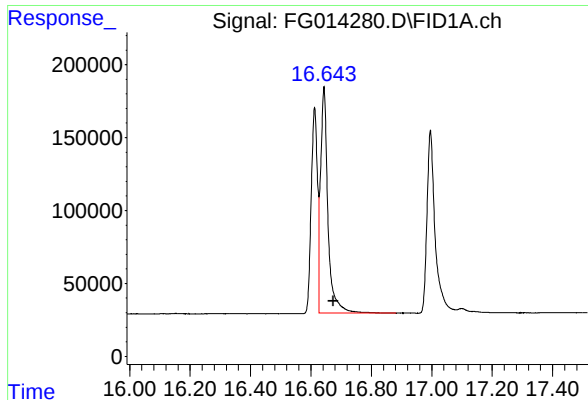
#15 Chrysene (C27.41)

R.T.: 15.093 min
Delta R.T.: -0.032 min
Response: 2691016
Conc: 19.04 ug/ml



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

R.T.: 16.612 min
Delta R.T.: -0.031 min
Response: 2021466
Conc: 17.64 ug/ml m



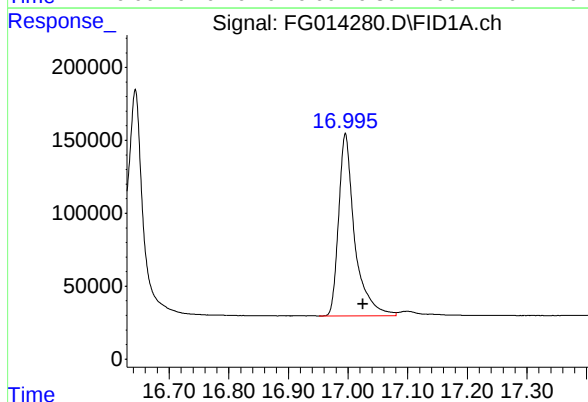
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.643 min
Delta R.T.: -0.030 min
Response: 2636689
Conc: 19.61 ug/ml

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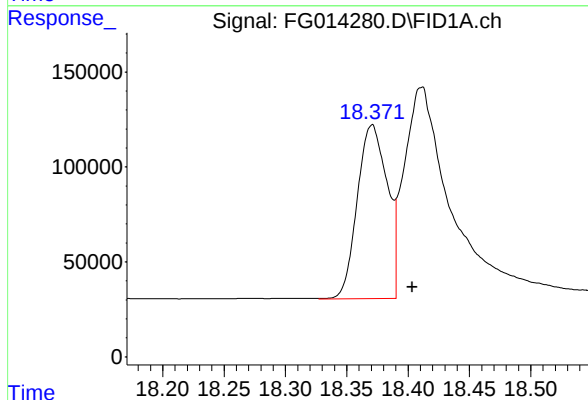
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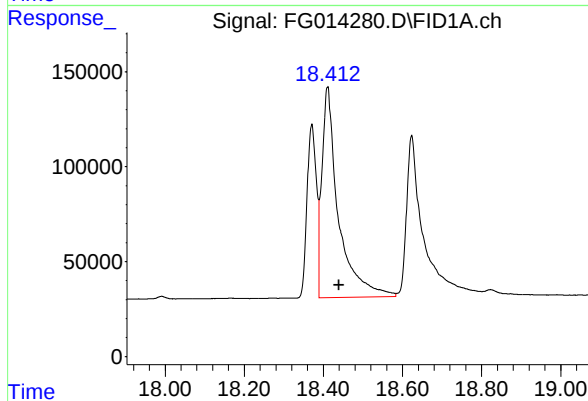
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.996 min
Delta R.T.: -0.029 min
Response: 2331344
Conc: 18.76 ug/ml



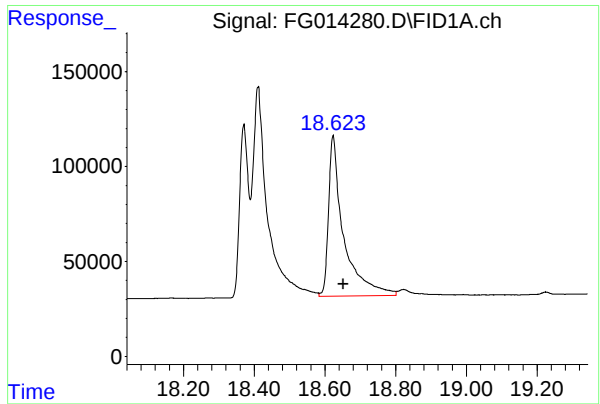
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.371 min
Delta R.T.: -0.032 min
Response: 1594477
Conc: 16.13 ug/ml m



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

R.T.: 18.411 min
Delta R.T.: -0.029 min
Response: 3217050
Conc: 21.85 ug/ml



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

R.T.: 18.623 min
Delta R.T.: -0.029 min
Response: 2512003
Conc: 19.22 ug/ml

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