

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG091324AR\
 Data File : FG014240.D
 Signal(s) : FID1A.ch
 Acq On : 14 Sep 2024 01:28
 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 09/16/2024
 Supervised By :Ankita Jodhani 09/16/2024

Integration File: autoint1.e
 Quant Time: Sep 14 04:52:35 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...	7.878	2190680	19.581 ug/ml
Spiked Amount 50.000		Recovery =	39.16%
6) S 2-Fluorobiphenyl (SURR)	8.752	1437741	19.747 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	39.49%
11) S ortho-Terphenyl (SURR)	11.819	2627288	19.491 ug/ml
Spiked Amount 50.000		Recovery =	38.98%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.481	2456090	19.078 ug/ml
2) T Naphthalene (C11.7)	6.150	2504207	19.852 ug/ml
3) T 2-Methylnaphthalene (...)	7.249	2630962	20.657 ug/ml
5) T Acenaphthylene (C15.06)	8.549	2534530	19.500 ug/ml
7) T Acenaphthene (C15.5)	8.848	2697125	19.476 ug/ml
8) T Fluorene (C16.55)	9.641	2557009	19.727 ug/ml
9) T Phenanthrene (C19.36)	11.049	2367687	19.591 ug/ml
10) T Anthracene (C19.43)	11.125	2659200	19.167 ug/ml
12) T Fluoranthene (C21.85)	12.873	2593559	20.006 ug/ml
13) T Pyrene (C20.8)	13.170	2616936	20.042 ug/ml
14) T Benzo[a]anthracene (C...	15.055	2214473	19.466 ug/mlm
15) T Chrysene (C27.41)	15.098	2786488	19.712 ug/ml
16) T benzo[b]fluoranthene ...	16.614	2210793	19.289 ug/mlm
17) T Bnezo[k]fluoranthene ...	16.647	2687497	19.986 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.999	2445422	19.680 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.372	1800901	18.219 ug/mlm
20) T Dibenz[a,h]anthracene...	18.412	3187702	21.654 ug/ml
21) T Benzo[g,h,i]perylene ...	18.626	2616770	20.021 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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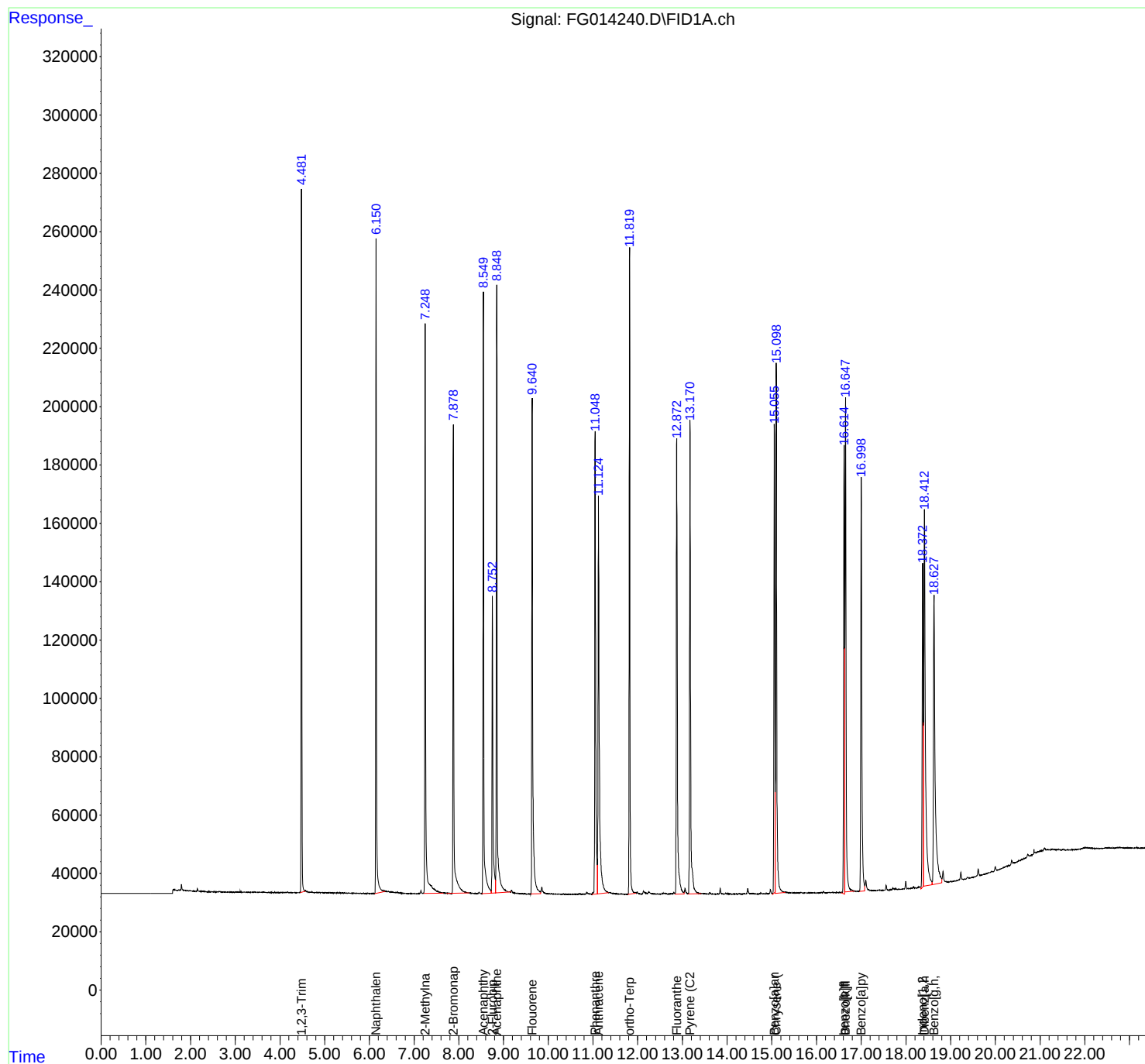
Instrument :
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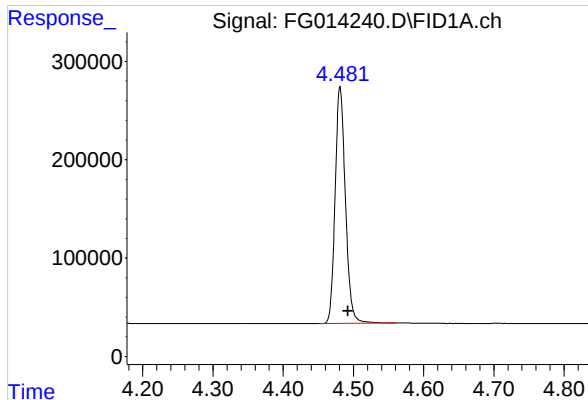
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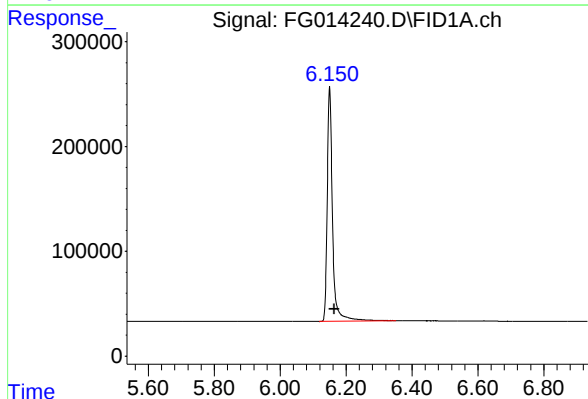
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.481 min
Delta R.T.: -0.011 min
Response: 2456090
Conc: 19.08 ug/ml

Instrument :
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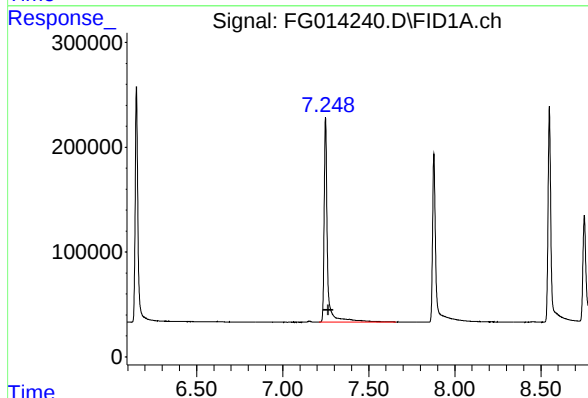
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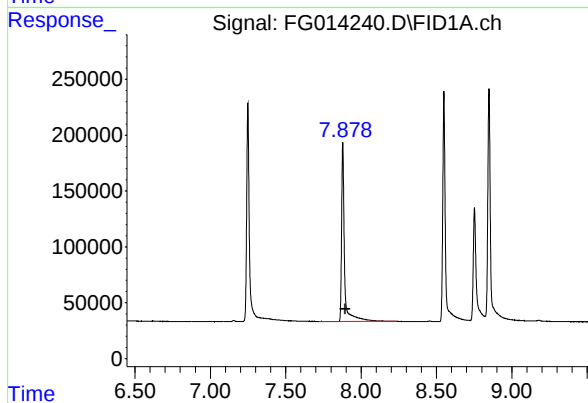
#2 Naphthalene (C11.7)

R.T.: 6.150 min
Delta R.T.: -0.014 min
Response: 2504207
Conc: 19.85 ug/ml



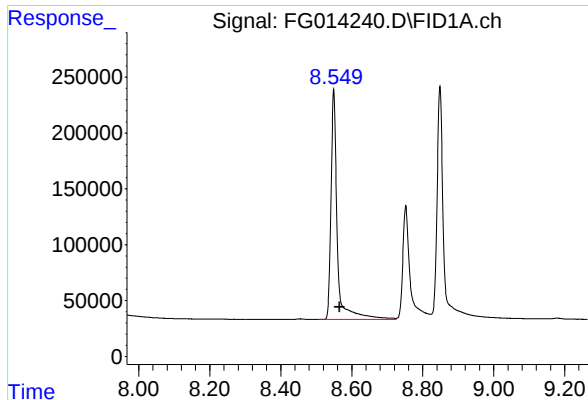
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.249 min
Delta R.T.: -0.018 min
Response: 2630962
Conc: 20.66 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.878 min
Delta R.T.: -0.017 min
Response: 2190680
Conc: 19.58 ug/ml



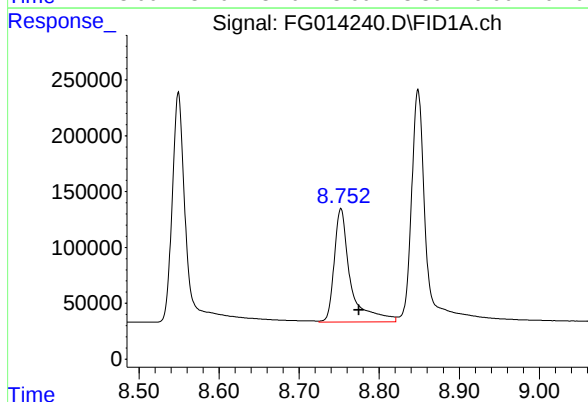
#5 Acenaphthylene (C15.06)

R.T.: 8.549 min
Delta R.T.: -0.017 min
Response: 2534530
Conc: 19.50 ug/ml

Instrument :
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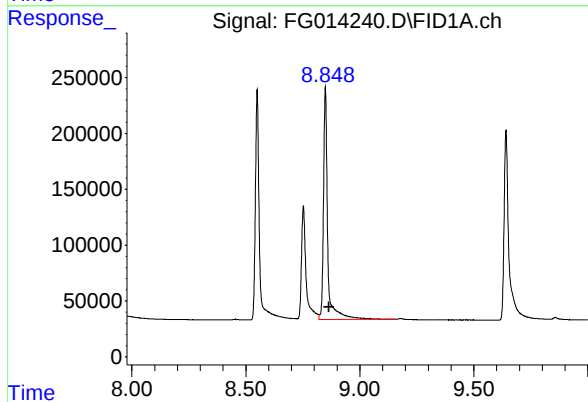
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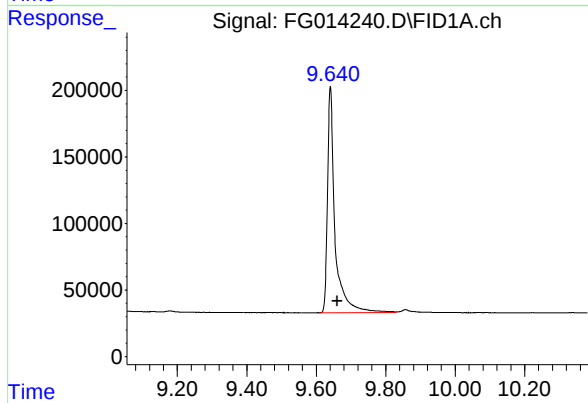
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.752 min
Delta R.T.: -0.023 min
Response: 1437741
Conc: 19.75 ug/ml



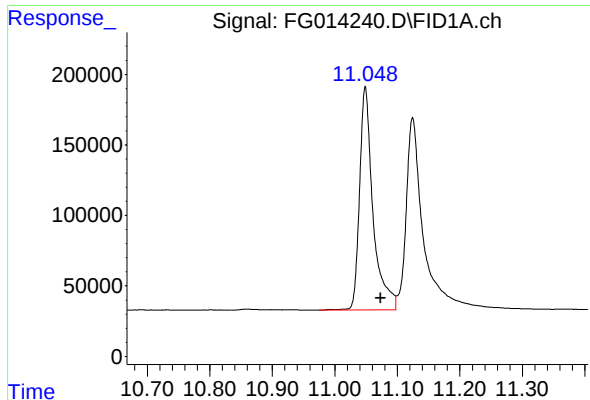
#7 Acenaphthene (C15.5)

R.T.: 8.848 min
Delta R.T.: -0.016 min
Response: 2697125
Conc: 19.48 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.641 min
Delta R.T.: -0.020 min
Response: 2557009
Conc: 19.73 ug/ml



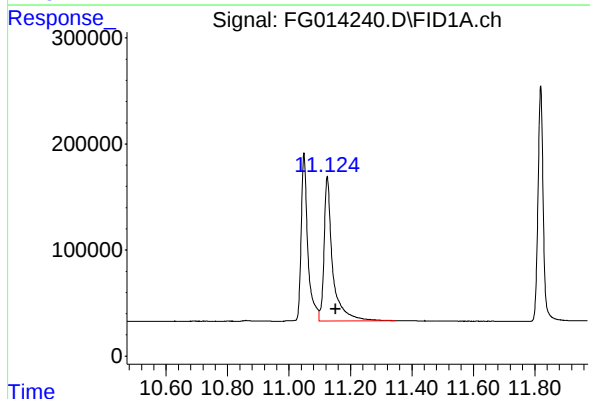
#9 Phenanthrene (C19.36)

R.T.: 11.049 min
Delta R.T.: -0.025 min
Response: 2367687
Conc: 19.59 ug/ml

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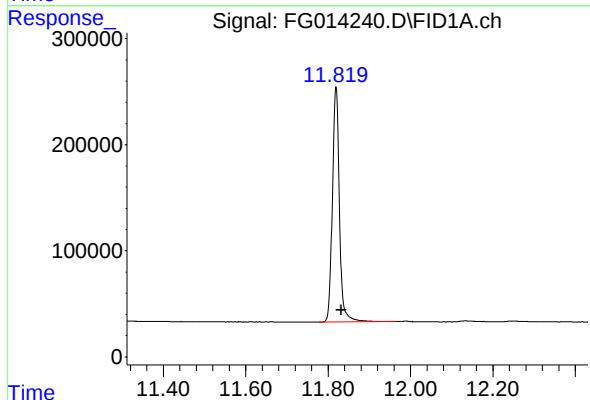
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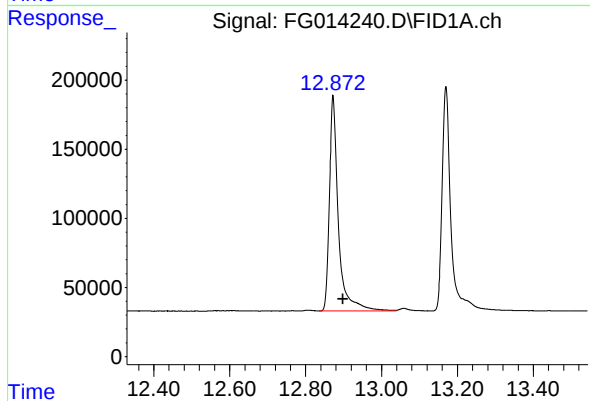
#10 Anthracene (C19.43)

R.T.: 11.125 min
Delta R.T.: -0.027 min
Response: 2659200
Conc: 19.17 ug/ml



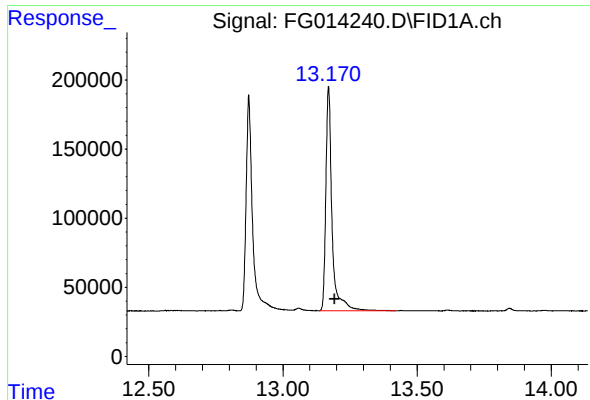
#11 ortho-Terphenyl (SURR)

R.T.: 11.819 min
Delta R.T.: -0.013 min
Response: 2627288
Conc: 19.49 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.873 min
Delta R.T.: -0.026 min
Response: 2593559
Conc: 20.01 ug/ml



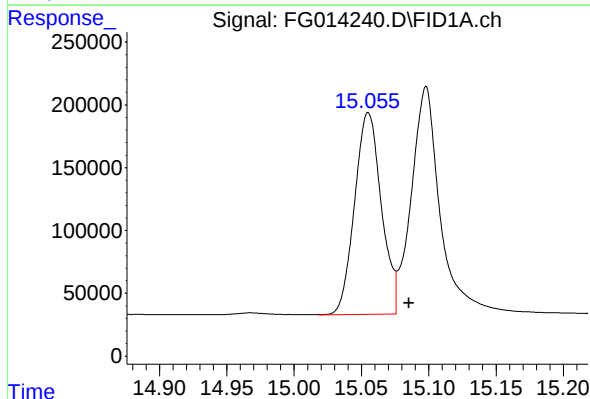
#13 Pyrene (C20.8)

R.T.: 13.170 min
Delta R.T.: -0.024 min
Response: 2616936
Conc: 20.04 ug/ml

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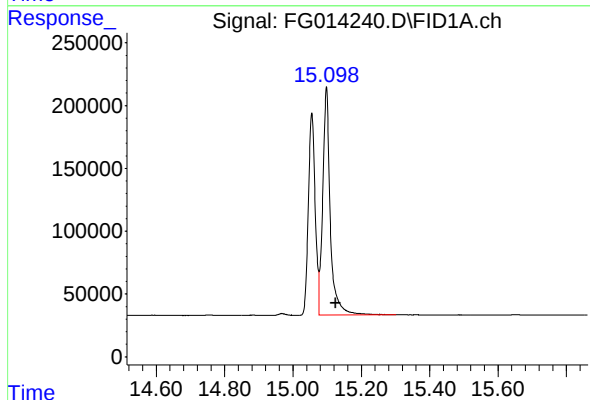
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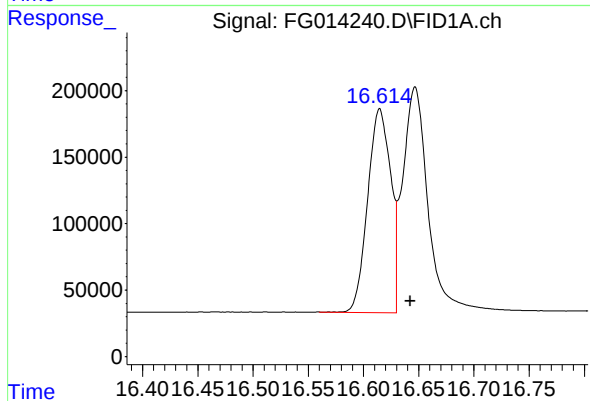
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.055 min
Delta R.T.: -0.031 min
Response: 2214473
Conc: 19.47 ug/ml m



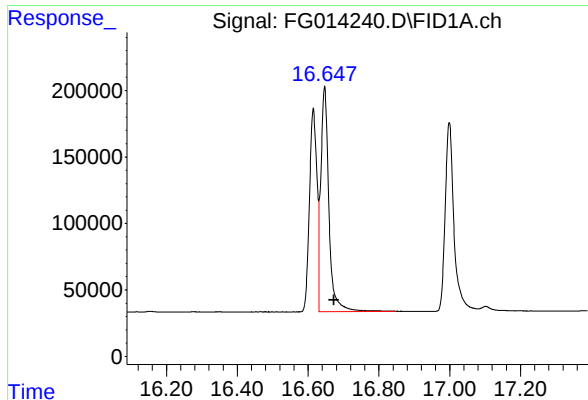
#15 Chrysene (C27.41)

R.T.: 15.098 min
Delta R.T.: -0.027 min
Response: 2786488
Conc: 19.71 ug/ml



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

R.T.: 16.614 min
Delta R.T.: -0.028 min
Response: 2210793
Conc: 19.29 ug/ml m



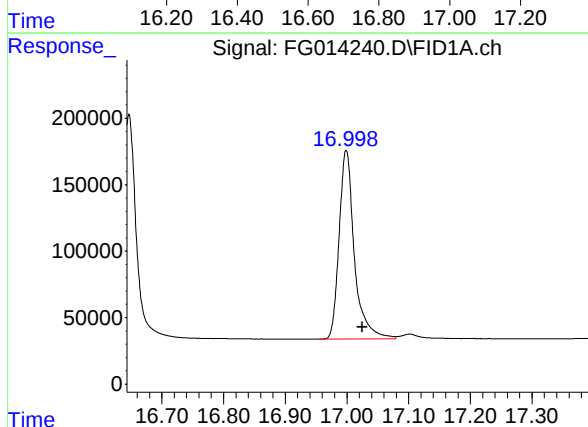
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.647 min
Delta R.T.: -0.027 min
Response: 2687497
Conc: 19.99 ug/ml

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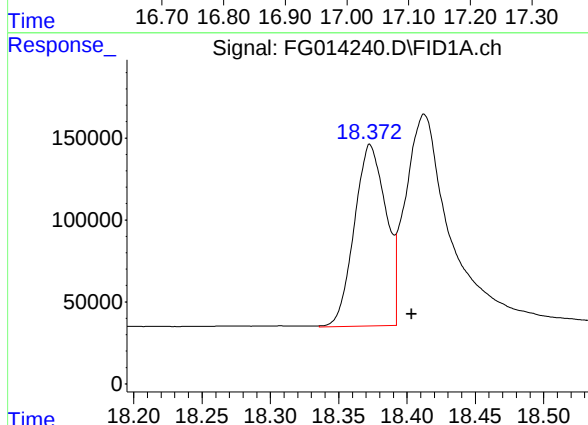
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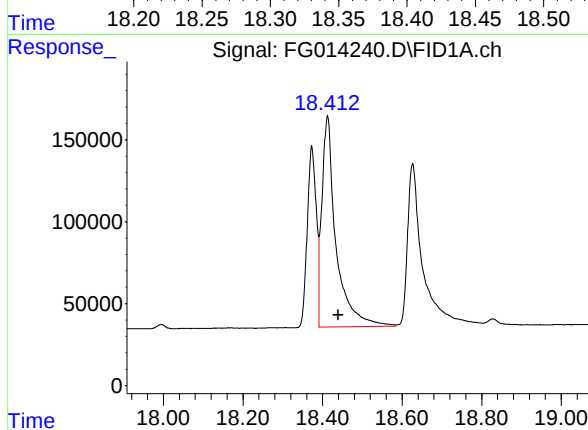
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.999 min
Delta R.T.: -0.026 min
Response: 2445422
Conc: 19.68 ug/ml



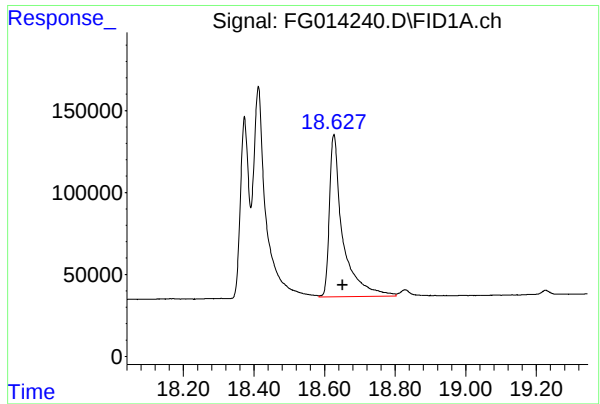
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.372 min
Delta R.T.: -0.031 min
Response: 1800901
Conc: 18.22 ug/ml m



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

R.T.: 18.412 min
Delta R.T.: -0.027 min
Response: 3187702
Conc: 21.65 ug/ml



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

R.T.: 18.626 min
Delta R.T.: -0.026 min
Response: 2616770
Conc: 20.02 ug/ml

Instrument :

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