

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG092024AR\
 Data File : FG014298.D
 Signal(s) : FID1A.ch
 Acq On : 20 Sep 2024 07:58
 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 09/23/2024
 Supervised By :Ankita Jodhani 09/23/2024

Integration File: autoint1.e
 Quant Time: Sep 21 03:12:39 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...	7.872	2267102	20.264 ug/ml
Spiked Amount 50.000		Recovery =	40.53%
6) S 2-Fluorobiphenyl (SURR)	8.745	1452329	19.948 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	39.90%
11) S ortho-Terphenyl (SURR)	11.812	2653806	19.687 ug/ml
Spiked Amount 50.000		Recovery =	39.37%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.474	2565052	19.925 ug/ml
2) T Naphthalene (C11.7)	6.143	2595480	20.576 ug/ml
3) T 2-Methylnaphthalene (...)	7.242	2710813	21.283 ug/ml
5) T Acenaphthylene (C15.06)	8.543	2568345	19.760 ug/ml
7) T Acenaphthene (C15.5)	8.841	2767278	19.982 ug/ml
8) T Fluorene (C16.55)	9.634	2604123	20.090 ug/ml
9) T Phenanthrene (C19.36)	11.043	2371828	19.625 ug/ml
10) T Anthracene (C19.43)	11.118	2773110	19.989 ug/ml
12) T Fluoranthene (C21.85)	12.865	2586502	19.952 ug/mlm
13) T Pyrene (C20.8)	13.163	2605145	19.951 ug/mlm
14) T Benzo[a]anthracene (C...	15.049	2141291	18.823 ug/mlm
15) T Chrysene (C27.41)	15.090	2854853	20.195 ug/ml
16) T benzo[b]fluoranthene ...	16.609	2232398	19.477 ug/mlm
17) T Bnezo[k]fluoranthene ...	16.639	2634044	19.588 ug/mlm
18) T Benzo[a]pyrene (C31.34)	16.992	2458079	19.782 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.367	1669741	16.892 ug/mlm
20) T Dibenz[a,h]anthracene...	18.406	3231228	21.949 ug/mlm
21) T Benzo[g,h,i]perylene ...	18.621	2677864	20.489 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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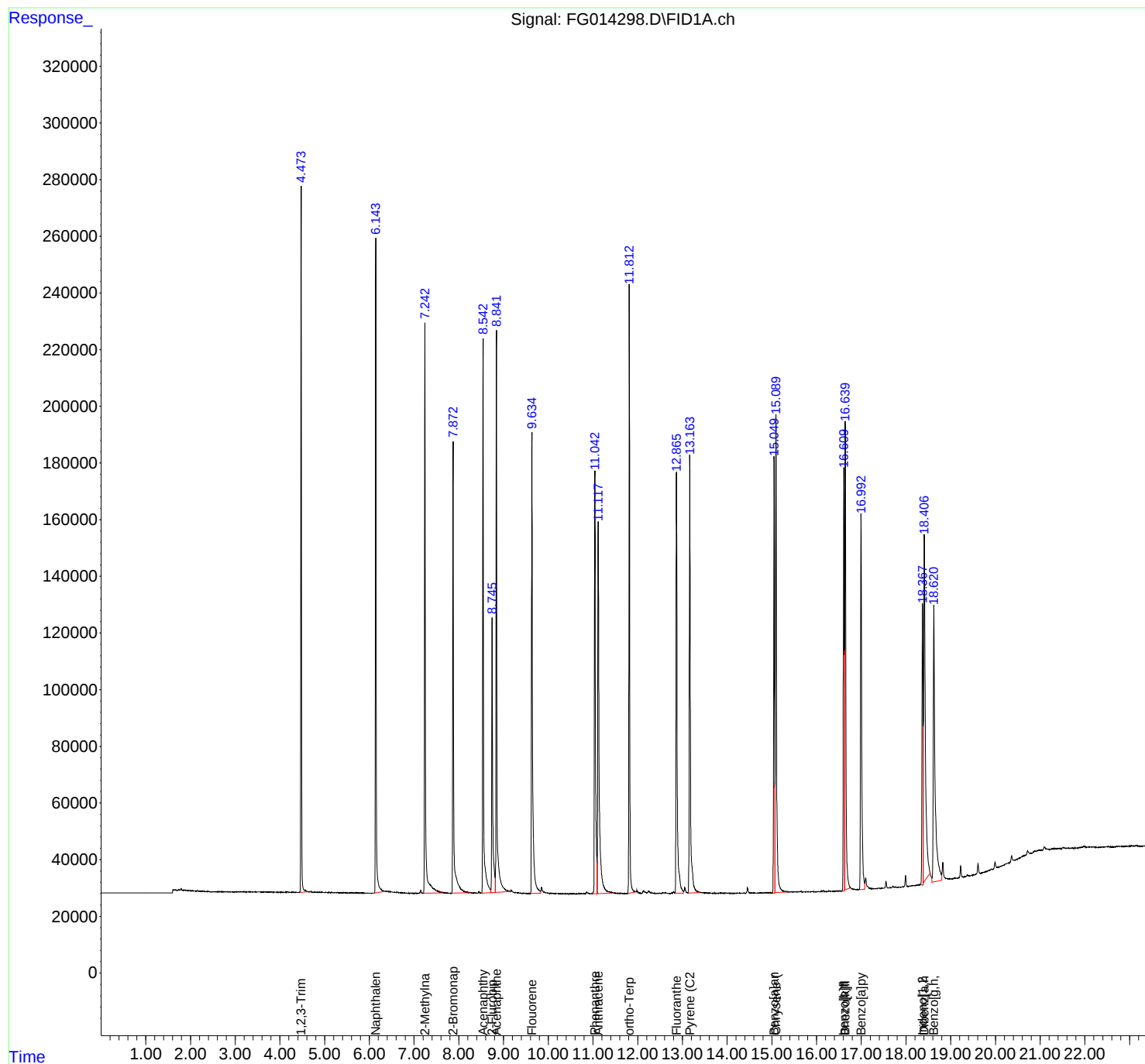
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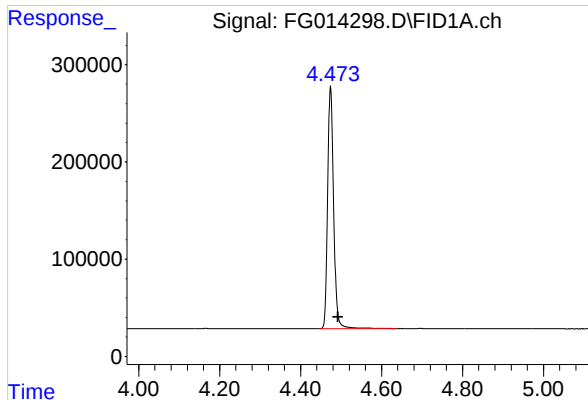
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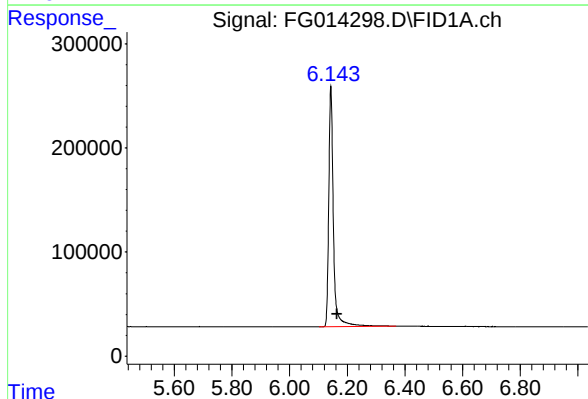
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.474 min
Delta R.T.: -0.018 min
Response: 2565052
Conc: 19.92 ug/ml

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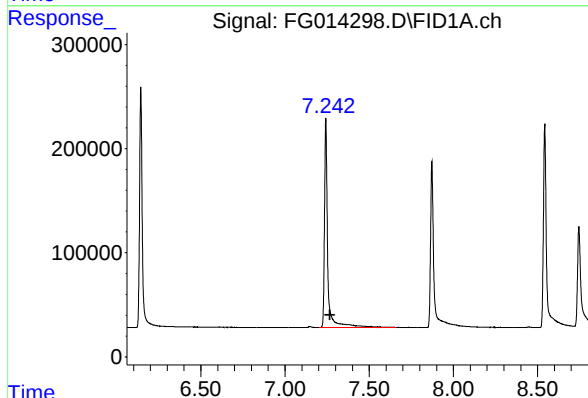
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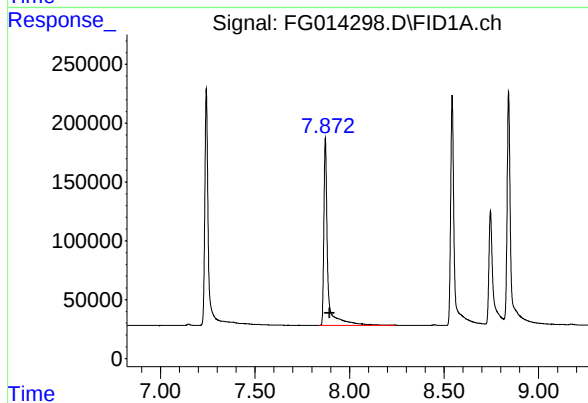
#2 Naphthalene (C11.7)

R.T.: 6.143 min
Delta R.T.: -0.021 min
Response: 2595480
Conc: 20.58 ug/ml



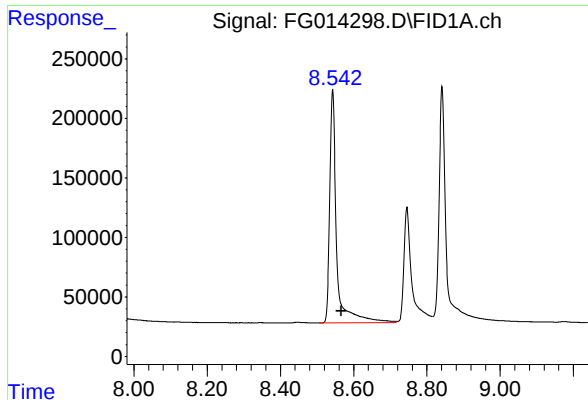
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.242 min
Delta R.T.: -0.024 min
Response: 2710813
Conc: 21.28 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.872 min
Delta R.T.: -0.023 min
Response: 2267102
Conc: 20.26 ug/ml



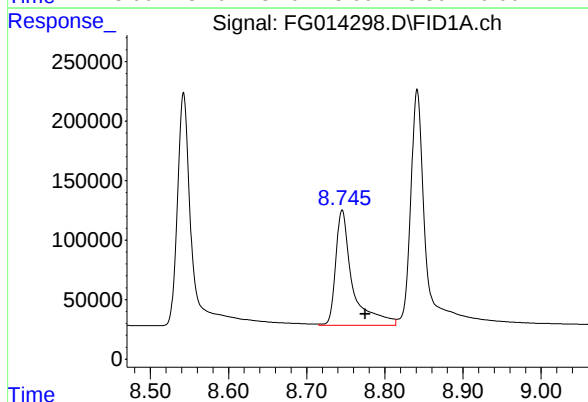
#5 Acenaphthylene (C15.06)

R.T.: 8.543 min
Delta R.T.: -0.024 min
Response: 2568345
Conc: 19.76 ug/ml

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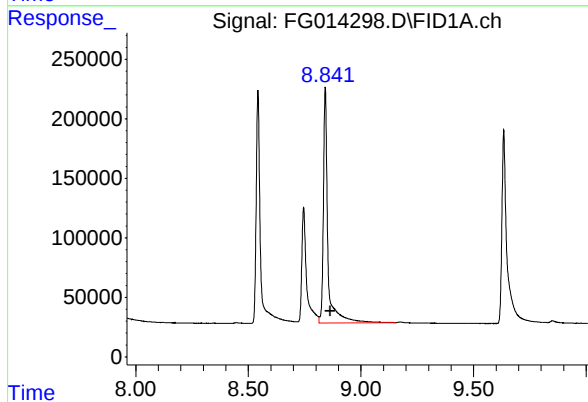
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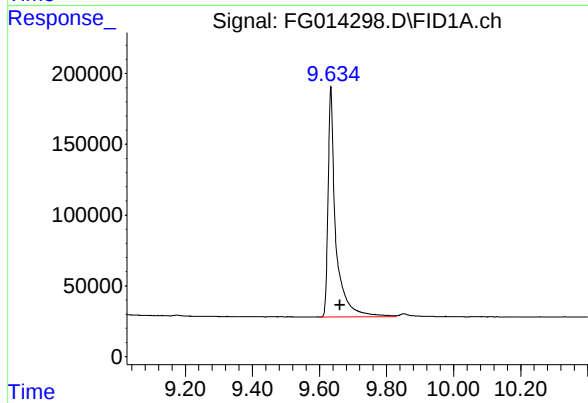
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.745 min
Delta R.T.: -0.029 min
Response: 1452329
Conc: 19.95 ug/ml



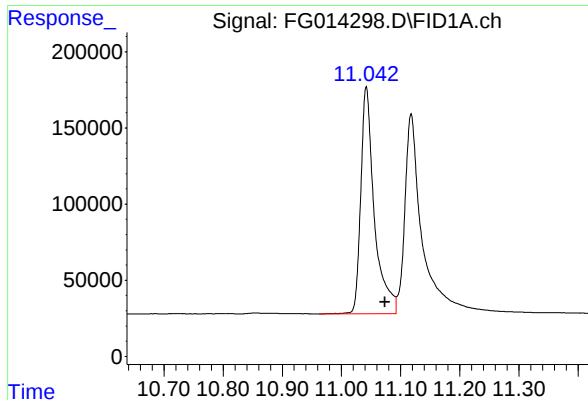
#7 Acenaphthene (C15.5)

R.T.: 8.841 min
Delta R.T.: -0.023 min
Response: 2767278
Conc: 19.98 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.634 min
Delta R.T.: -0.027 min
Response: 2604123
Conc: 20.09 ug/ml



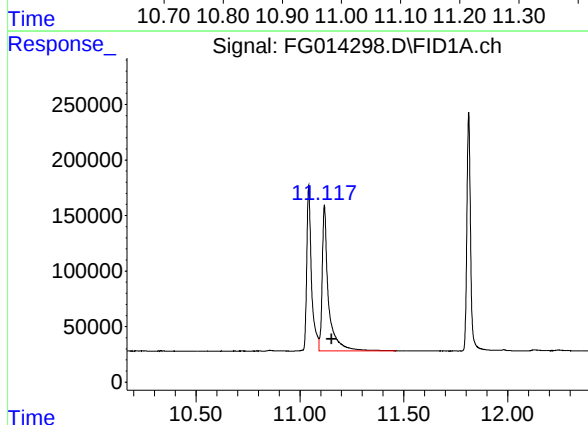
#9 Phenanthrene (C19.36)

R.T.: 11.043 min
Delta R.T.: -0.031 min
Response: 2371828
Conc: 19.62 ug/ml

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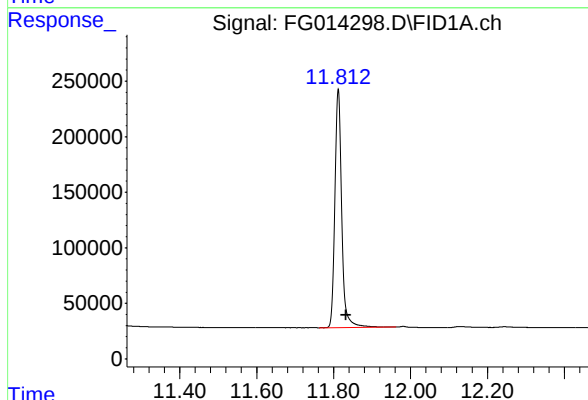
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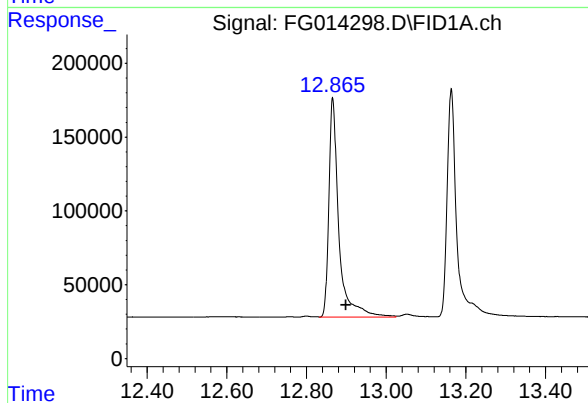
#10 Anthracene (C19.43)

R.T.: 11.118 min
Delta R.T.: -0.034 min
Response: 2773110
Conc: 19.99 ug/ml



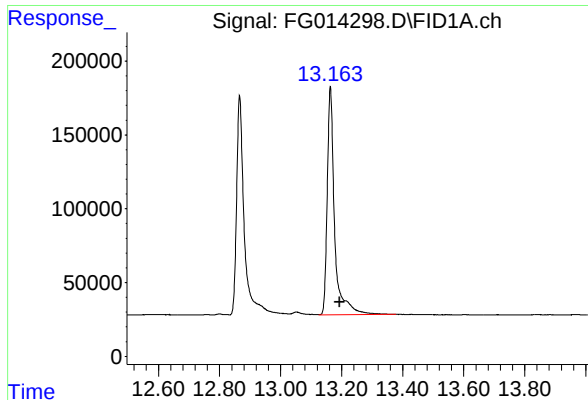
#11 ortho-Terphenyl (SURR)

R.T.: 11.812 min
Delta R.T.: -0.020 min
Response: 2653806
Conc: 19.69 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.865 min
Delta R.T.: -0.034 min
Response: 2586502
Conc: 19.95 ug/ml m



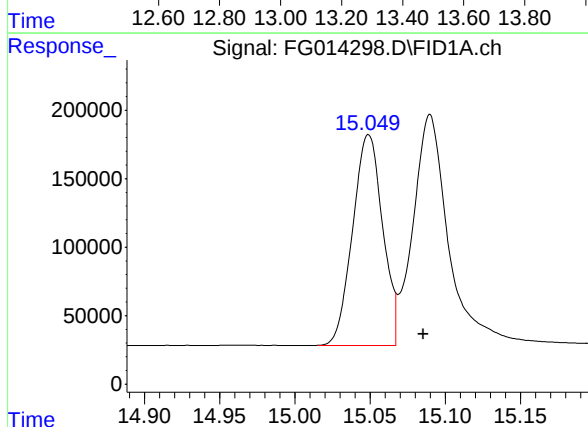
#13 Pyrene (C20.8)

R.T.: 13.163 min
Delta R.T.: -0.031 min
Response: 2605145
Conc: 19.95 ug/ml

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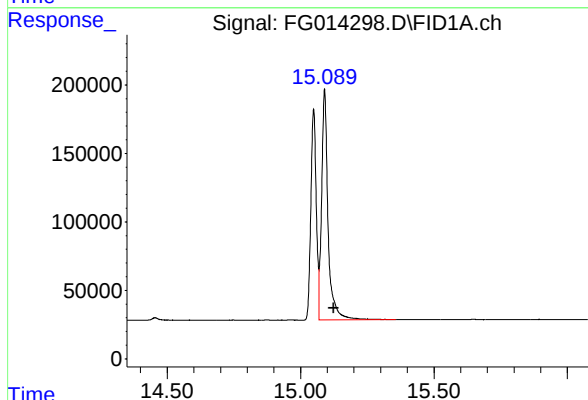
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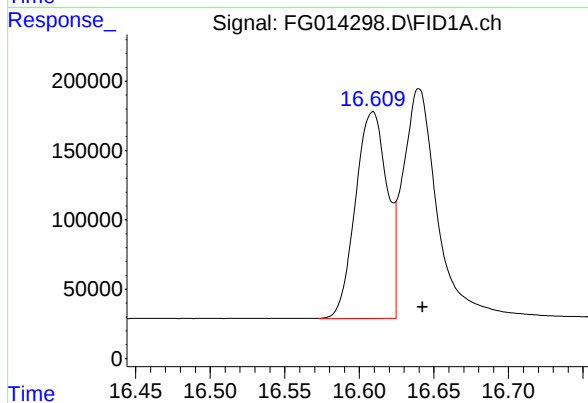
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.049 min
Delta R.T.: -0.037 min
Response: 2141291
Conc: 18.82 ug/ml



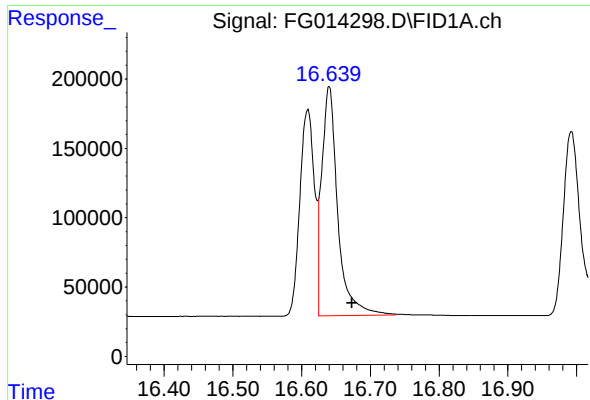
#15 Chrysene (C27.41)

R.T.: 15.090 min
Delta R.T.: -0.035 min
Response: 2854853
Conc: 20.20 ug/ml



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

R.T.: 16.609 min
Delta R.T.: -0.033 min
Response: 2232398
Conc: 19.48 ug/ml



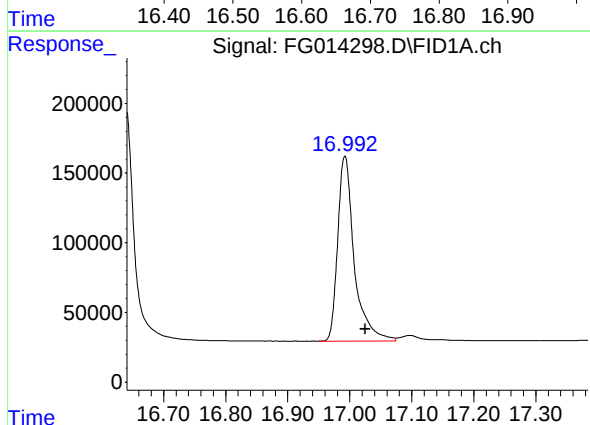
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.639 min
Delta R.T.: -0.034 min
Response: 2634044
Conc: 19.59 ug/ml

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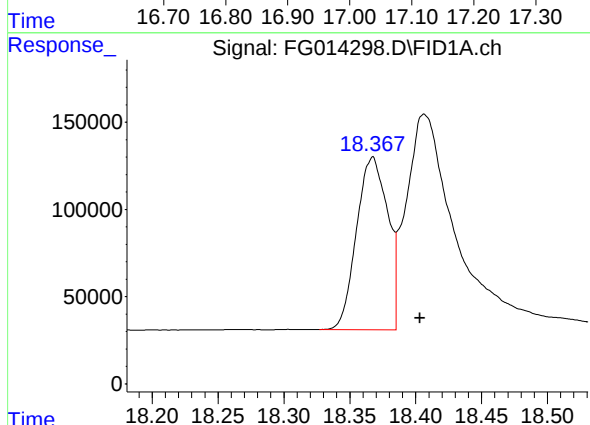
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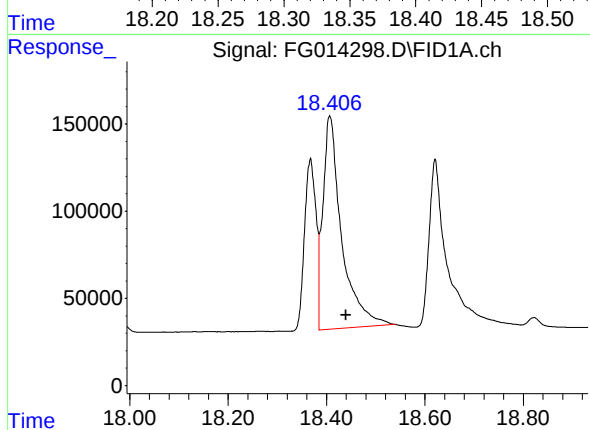
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.992 min
Delta R.T.: -0.033 min
Response: 2458079
Conc: 19.78 ug/ml



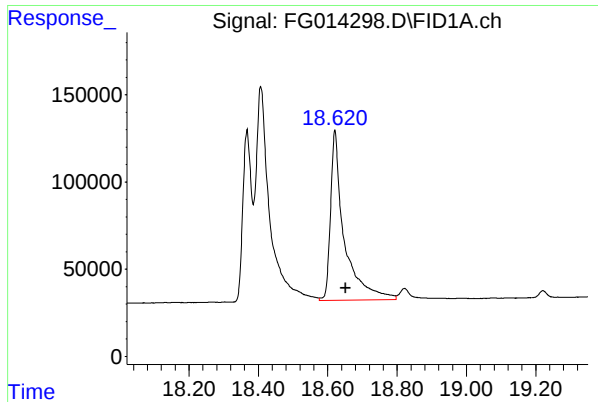
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.367 min
Delta R.T.: -0.036 min
Response: 1669741
Conc: 16.89 ug/ml m



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

R.T.: 18.406 min
Delta R.T.: -0.034 min
Response: 3231228
Conc: 21.95 ug/ml m



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

R.T.: 18.621 min
Delta R.T.: -0.031 min
Response: 2677864
Conc: 20.49 ug/ml

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