

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG092024AR\
 Data File : FG014306.D
 Signal(s) : FID1A.ch
 Acq On : 20 Sep 2024 14:03
 Operator : YP\AJ
 Sample : 20 PPM AROMATIC HC STD
 Misc :
 ALS Vial : 61 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 03:14:05 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	2356900	21.067 ug/ml
Spiked Amount 50.000		Recovery =	42.13%
6) S 2-Fluorobiphenyl (SURR)	8.746	1508631	20.721 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	41.44%
11) S ortho-Terphenyl (SURR)	11.812	2736565	20.301 ug/ml
Spiked Amount 50.000		Recovery =	40.60%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.474	2674593	20.775 ug/ml
2) T Naphthalene (C11.7)	6.143	2698955	21.396 ug/ml
3) T 2-Methylnaphthalene (...)	7.242	2794157	21.938 ug/ml
5) T Acenaphthylene (C15.06)	8.542	2677575	20.601 ug/ml
7) T Acenaphthene (C15.5)	8.841	2930916	21.164 ug/ml
8) T Fluorene (C16.55)	9.634	2693423	20.779 ug/ml
9) T Phenanthrene (C19.36)	11.042	2441782	20.204 ug/ml
10) T Anthracene (C19.43)	11.118	2867653	20.670 ug/ml
12) T Fluoranthene (C21.85)	12.868	2688728	20.740 ug/ml
13) T Pyrene (C20.8)	13.163	2725970	20.877 ug/ml
14) T Benzo[a]anthracene (C...	15.048	2241949	19.708 ug/mlm
15) T Chrysene (C27.41)	15.091	2956156	20.912 ug/ml
16) T benzo[b]fluoranthene ...	16.609	2194379	19.145 ug/mlm
17) T Bnezo[k]fluoranthene ...	16.640	2809358	20.892 ug/mlm
18) T Benzo[a]pyrene (C31.34)	16.993	2540095	20.442 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.367	1735123	17.554 ug/mlm
20) T Dibenz[a,h]anthracene...	18.408	3573306	24.273 ug/ml
21) T Benzo[g,h,i]perylene ...	18.620	2705120	20.697 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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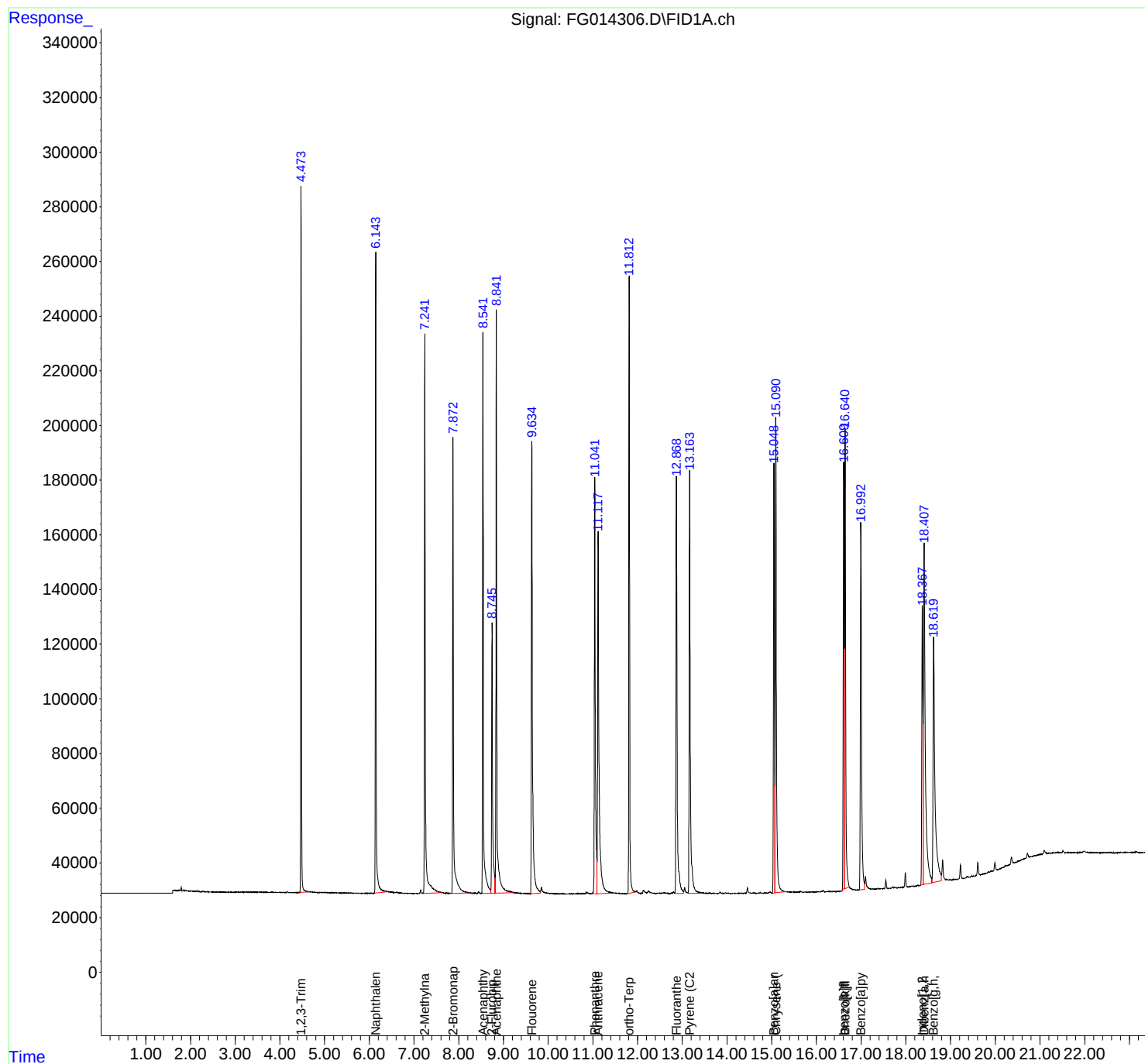
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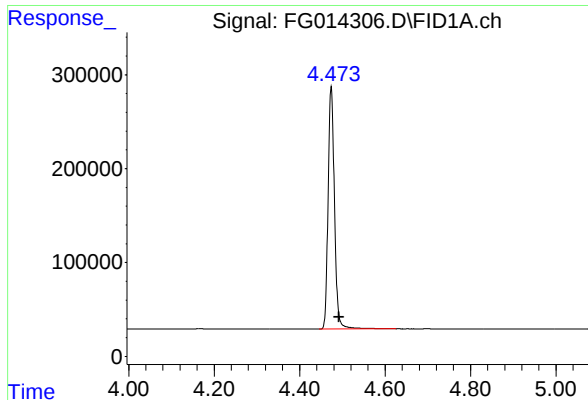
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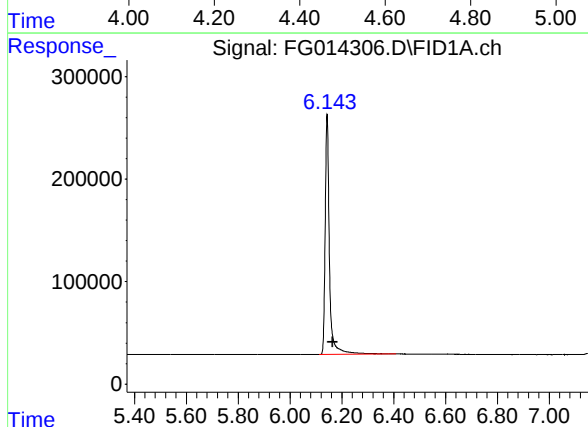
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.474 min
Delta R.T.: -0.018 min
Response: 2674593
Conc: 20.78 ug/ml

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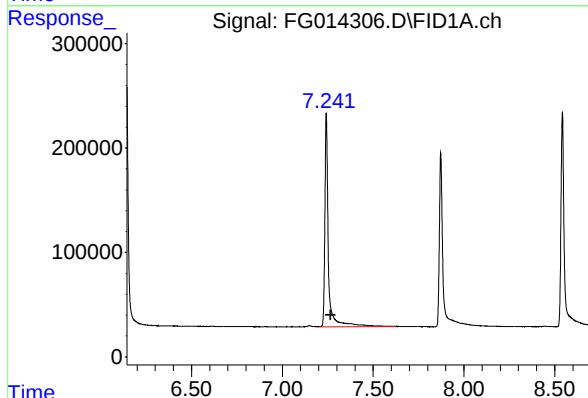
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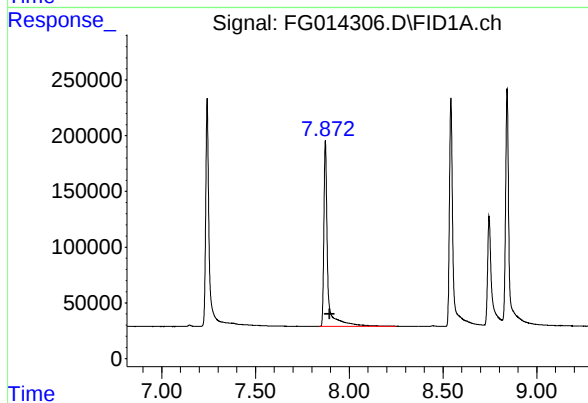
#2 Naphthalene (C11.7)

R.T.: 6.143 min
Delta R.T.: -0.021 min
Response: 2698955
Conc: 21.40 ug/ml



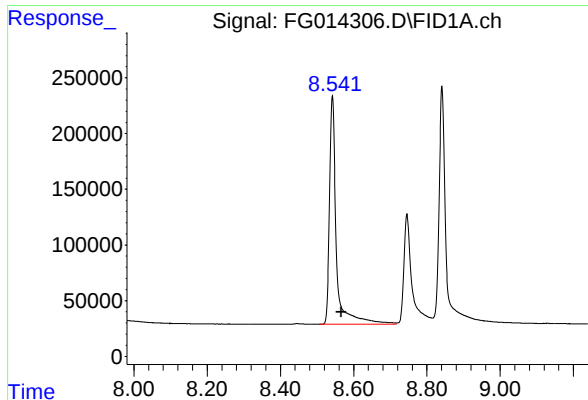
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.242 min
Delta R.T.: -0.024 min
Response: 2794157
Conc: 21.94 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.872 min
Delta R.T.: -0.023 min
Response: 2356900
Conc: 21.07 ug/ml



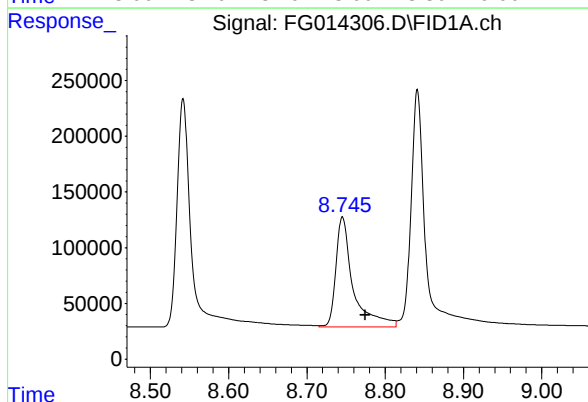
#5 Acenaphthylene (C15.06)

R.T.: 8.542 min
Delta R.T.: -0.024 min
Response: 2677575
Conc: 20.60 ug/ml

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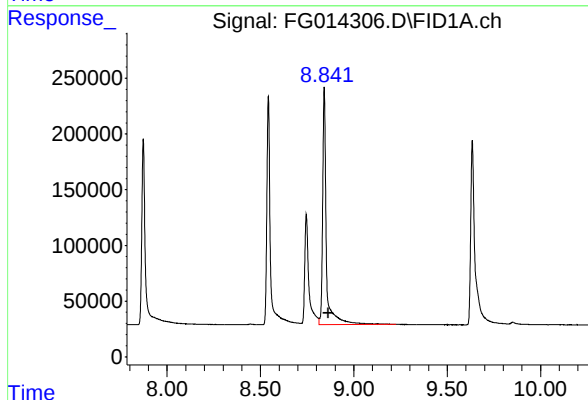
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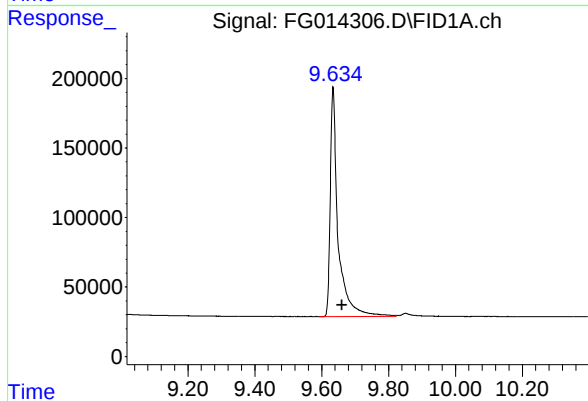
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.746 min
Delta R.T.: -0.029 min
Response: 1508631
Conc: 20.72 ug/ml



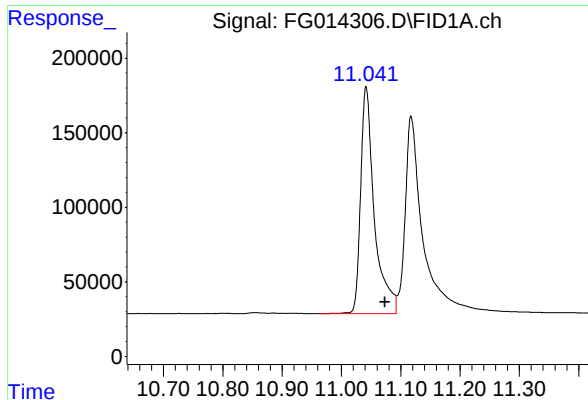
#7 Acenaphthene (C15.5)

R.T.: 8.841 min
Delta R.T.: -0.023 min
Response: 2930916
Conc: 21.16 ug/ml



#8 Fluorene (C16.55)

R.T.: 9.634 min
Delta R.T.: -0.027 min
Response: 2693423
Conc: 20.78 ug/ml



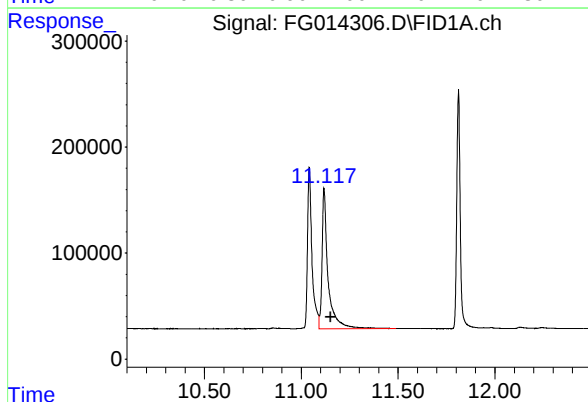
#9 Phenanthrene (C19.36)

R.T.: 11.042 min
Delta R.T.: -0.031 min
Response: 2441782
Conc: 20.20 ug/ml

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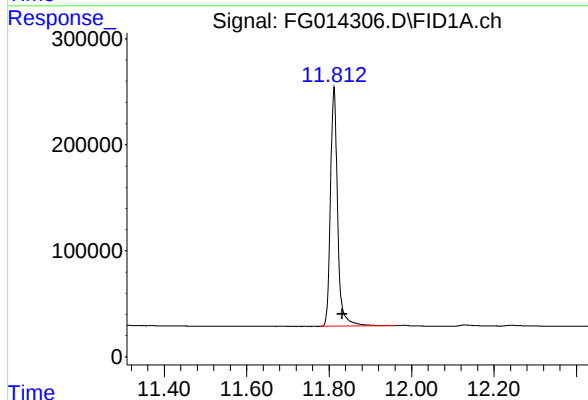
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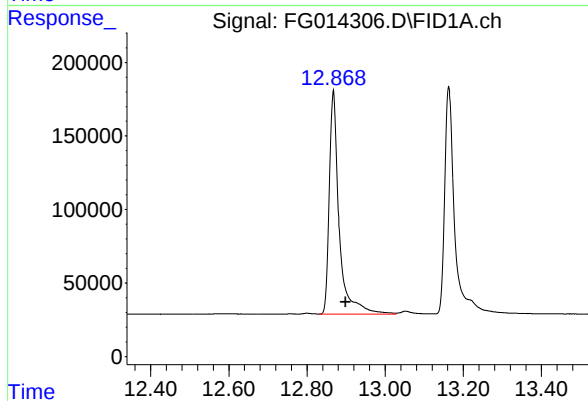
#10 Anthracene (C19.43)

R.T.: 11.118 min
Delta R.T.: -0.034 min
Response: 2867653
Conc: 20.67 ug/ml



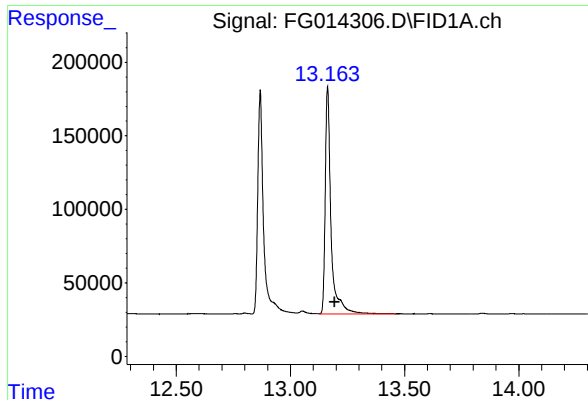
#11 ortho-Terphenyl (SURR)

R.T.: 11.812 min
Delta R.T.: -0.020 min
Response: 2736565
Conc: 20.30 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.868 min
Delta R.T.: -0.031 min
Response: 2688728
Conc: 20.74 ug/ml



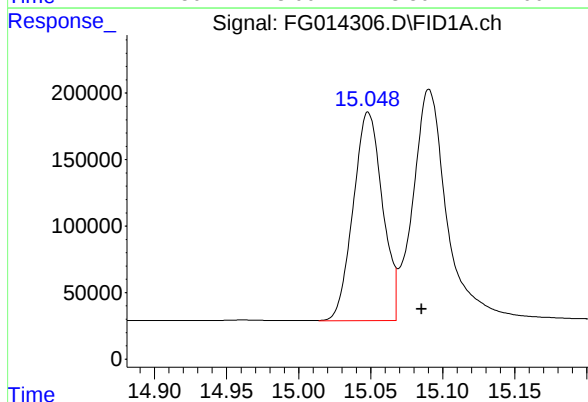
#13 Pyrene (C20.8)

R.T.: 13.163 min
Delta R.T.: -0.031 min
Response: 2725970
Conc: 20.88 ug/ml

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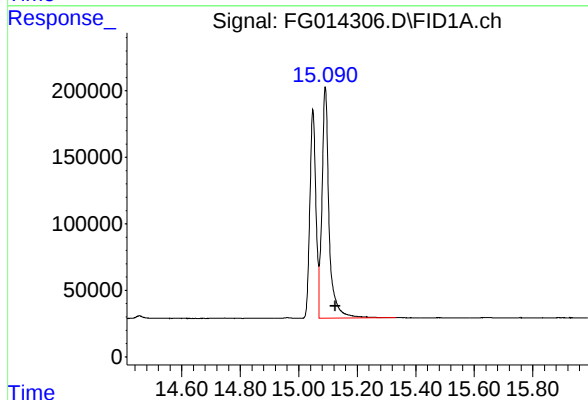
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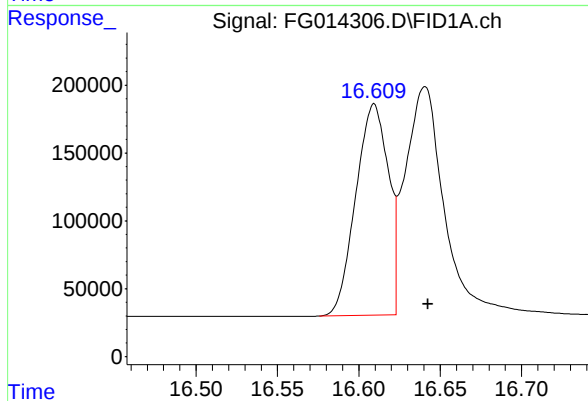
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.048 min
Delta R.T.: -0.038 min
Response: 2241949
Conc: 19.71 ug/ml m



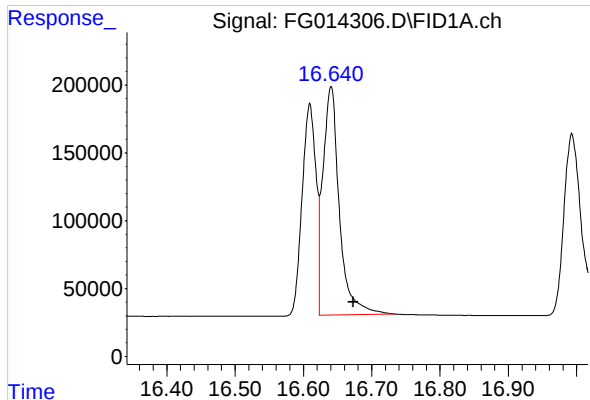
#15 Chrysene (C27.41)

R.T.: 15.091 min
Delta R.T.: -0.034 min
Response: 2956156
Conc: 20.91 ug/ml



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

R.T.: 16.609 min
Delta R.T.: -0.033 min
Response: 2194379
Conc: 19.15 ug/ml m



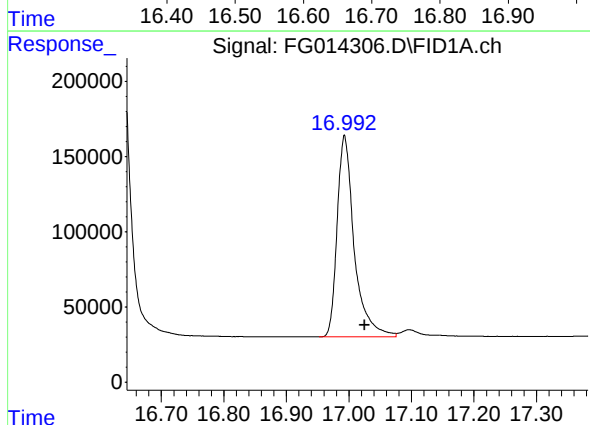
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.640 min
Delta R.T.: -0.033 min
Response: 2809358
Conc: 20.89 ug/ml

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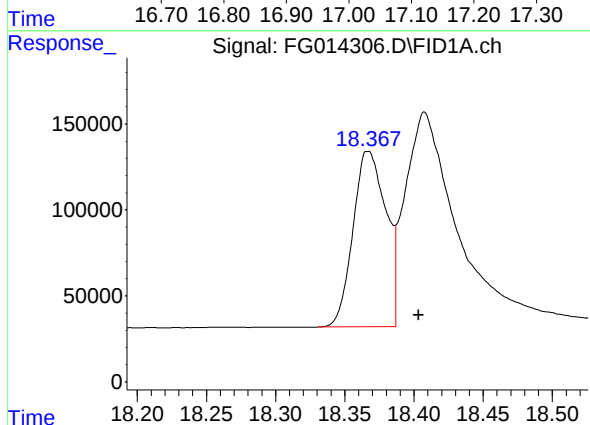
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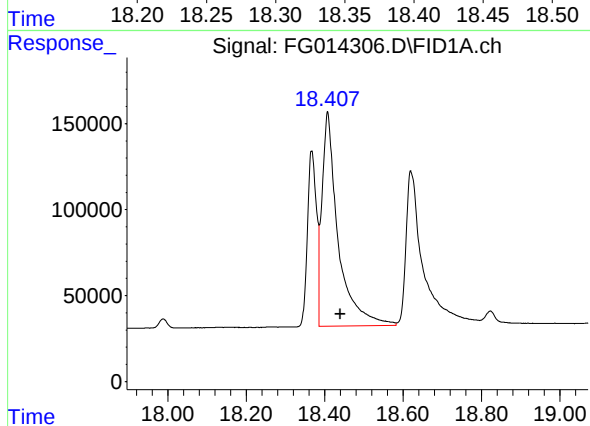
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.993 min
Delta R.T.: -0.032 min
Response: 2540095
Conc: 20.44 ug/ml



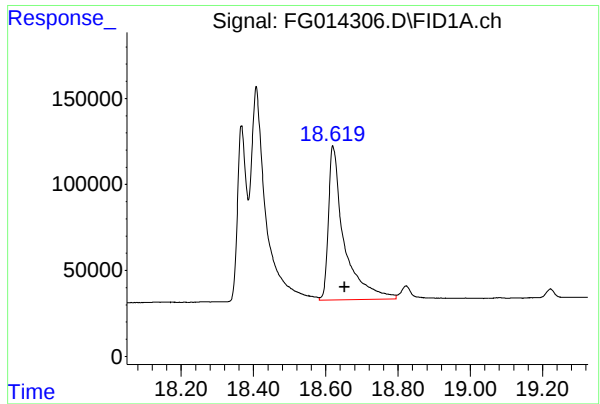
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.367 min
Delta R.T.: -0.036 min
Response: 1735123
Conc: 17.55 ug/ml m



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

R.T.: 18.408 min
Delta R.T.: -0.032 min
Response: 3573306
Conc: 24.27 ug/ml



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

R.T.: 18.620 min
Delta R.T.: -0.032 min
Response: 2705120
Conc: 20.70 ug/ml

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