

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG103124AR\
 Data File : FG014608.D
 Signal(s) : FID1A.ch
 Acq On : 31 Oct 2024 13:45
 Operator : YP\AJ
 Sample : 20 PPM AROMATIC HC STD
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 20 PPM AROMATIC HC STD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/04/2024
 Supervised By :Ankita Jodhani 11/04/2024

Integration File: autoint1.e
 Quant Time: Nov 01 01:26:38 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 102124.M
 Quant Title : GC Extractables
 QLast Update : Tue Oct 22 04:38:07 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...	8.010	2497525	19.895 ug/ml
Spiked Amount 50.000		Recovery =	39.79%
6) S 2-Fluorobiphenyl (SURR)	8.884	1690623	19.628 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	39.26%
11) S ortho-Terphenyl (SURR)	11.956	2837280	19.163 ug/ml
Spiked Amount 50.000		Recovery =	38.33%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.615	2799322	20.661 ug/ml
2) T Naphthalene (C11.7)	6.285	2922318	20.364 ug/ml
3) T 2-Methylnaphthalene (...)	7.382	2947510	20.182 ug/ml
5) T Acenaphthylene (C15.06)	8.685	2867410	19.694 ug/ml
7) T Acenaphthene (C15.5)	8.986	2868419	19.821 ug/ml
8) T Fluorene (C16.55)	9.775	2815571	19.435 ug/ml
9) T Phenanthrene (C19.36)	11.183	2793683	18.980 ug/ml
10) T Anthracene (C19.43)	11.257	2611895	18.626 ug/ml
12) T Fluoranthene (C21.85)	13.004	2770593	18.734 ug/ml
13) T Pyrene (C20.8)	13.303	2743983	18.664 ug/ml
14) T Benzo[a]anthracene (C...	15.184	2597043	17.933 ug/mlm
15) T Chrysene (C27.41)	15.227	2634042	17.957 ug/ml
16) T benzo[b]fluoranthene ...	16.742	2613928	17.772 ug/mlm
17) T Bnezo[k]fluoranthene ...	16.774	2436552	17.656 ug/ml
18) T Benzo[a]pyrene (C31.34)	17.121	2518097	17.657 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.490	2317427	17.363 ug/mlm
20) T Dibenz[a,h]anthracene...	18.532	2457430	17.609 ug/ml
21) T Benzo[g,h,i]perylene ...	18.746	2468629	17.744 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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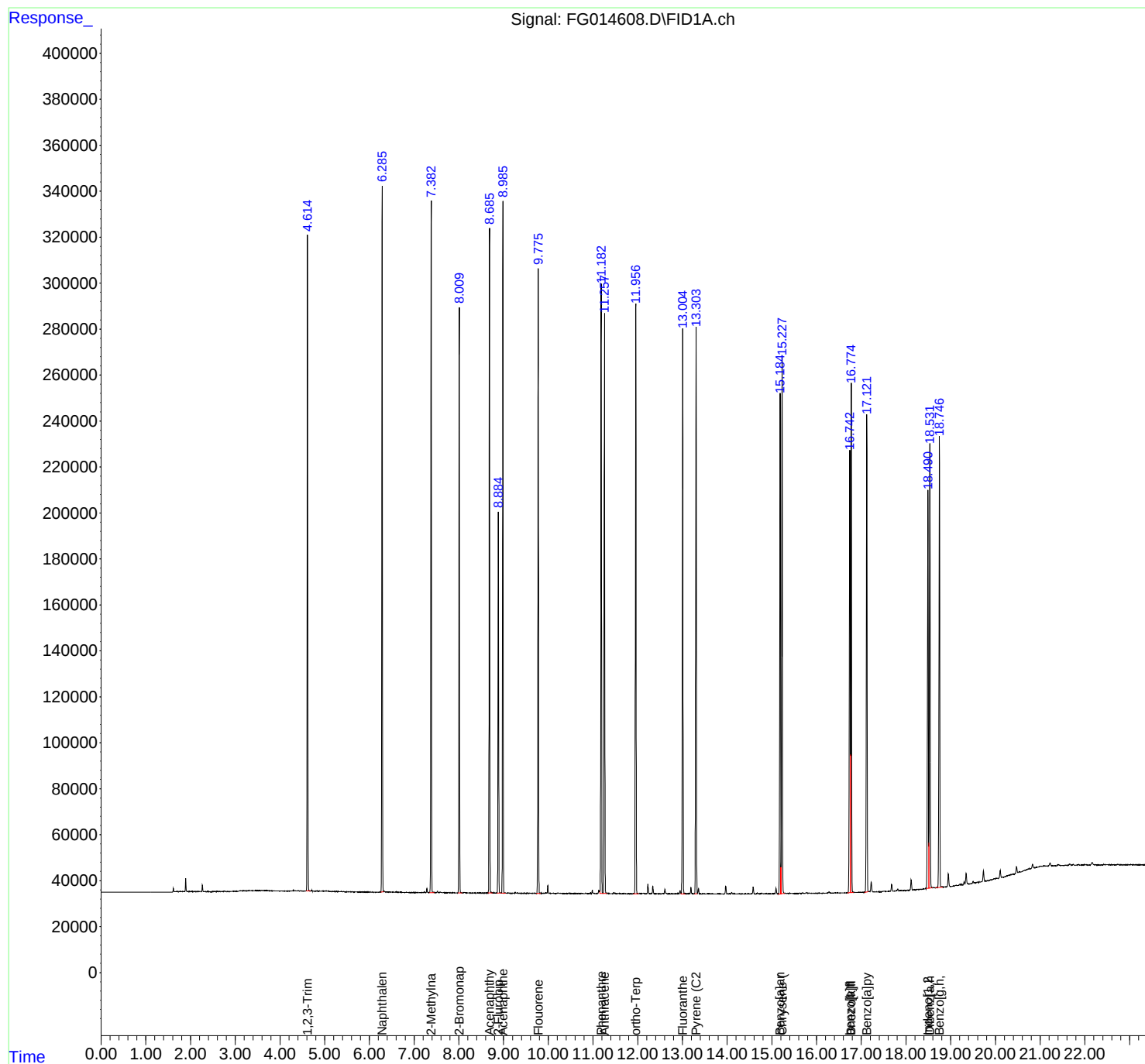
Instrument :
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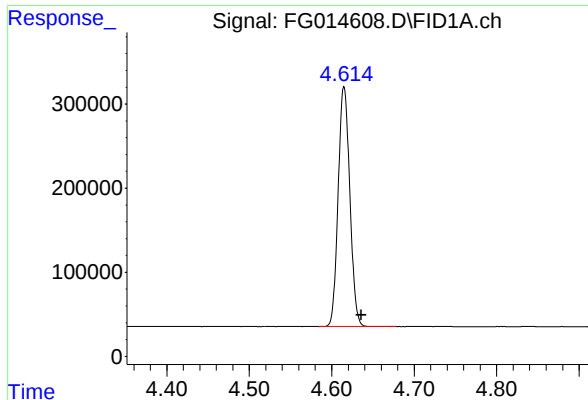
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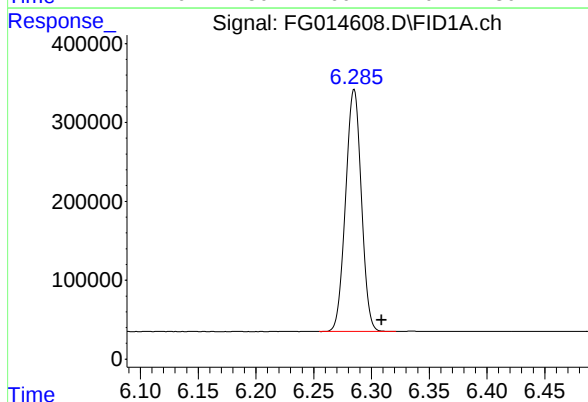
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.615 min
Delta R.T.: -0.021 min
Response: 2799322
Conc: 20.66 ug/ml

Instrument :
FID_G
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20 PPM AROMATIC HC STD

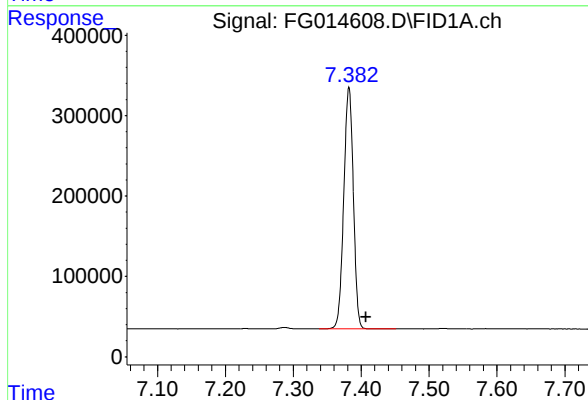
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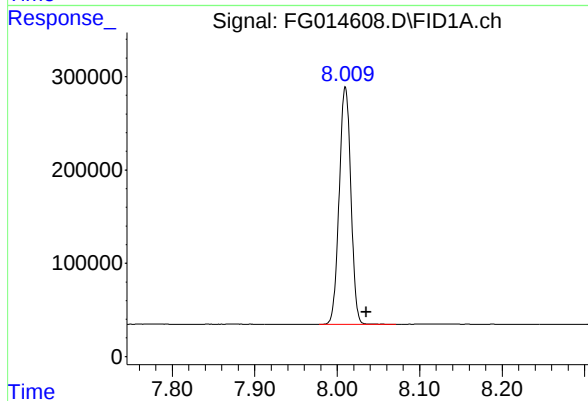
#2 Naphthalene (C11.7)

R.T.: 6.285 min
Delta R.T.: -0.024 min
Response: 2922318
Conc: 20.36 ug/ml



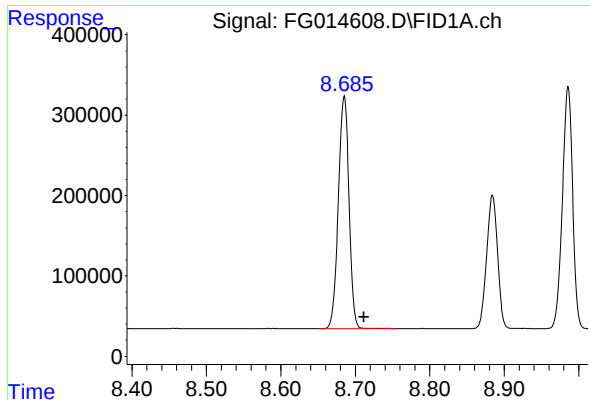
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.382 min
Delta R.T.: -0.026 min
Response: 2947510
Conc: 20.18 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 8.010 min
Delta R.T.: -0.025 min
Response: 2497525
Conc: 19.90 ug/ml



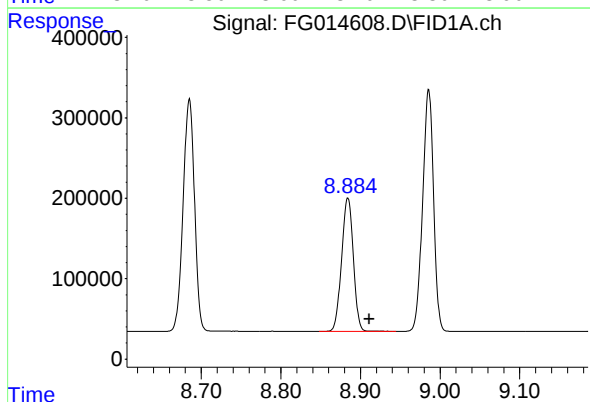
#5 Acenaphthylene (C15.06)

R.T.: 8.685 min
Delta R.T.: -0.027 min
Response: 2867410
Conc: 19.69 ug/ml

Instrument :
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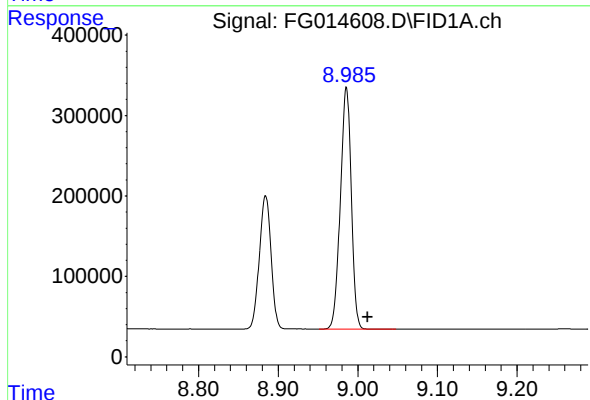
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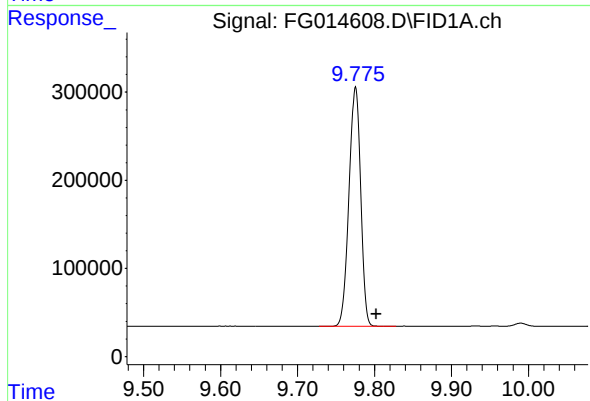
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.884 min
Delta R.T.: -0.027 min
Response: 1690623
Conc: 19.63 ug/ml



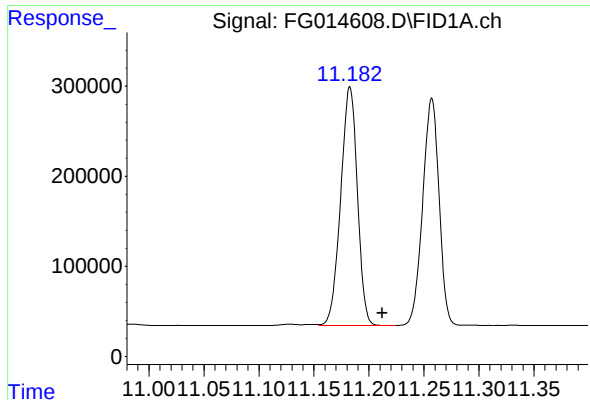
#7 Acenaphthene (C15.5)

R.T.: 8.986 min
Delta R.T.: -0.027 min
Response: 2868419
Conc: 19.82 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.775 min
Delta R.T.: -0.027 min
Response: 2815571
Conc: 19.43 ug/ml



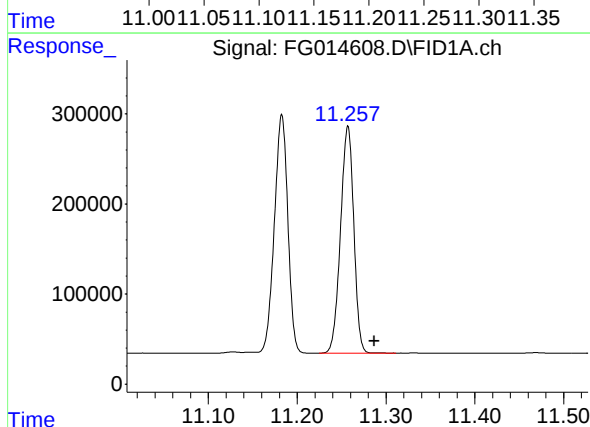
#9 Phenanthrene (C19.36)

R.T.: 11.183 min
Delta R.T.: -0.030 min
Response: 2793683
Conc: 18.98 ug/ml

Instrument :
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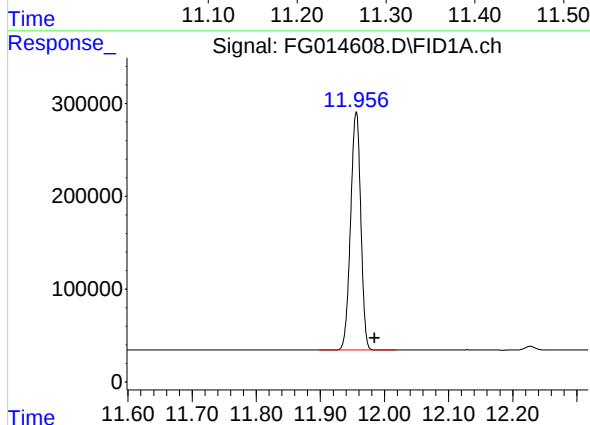
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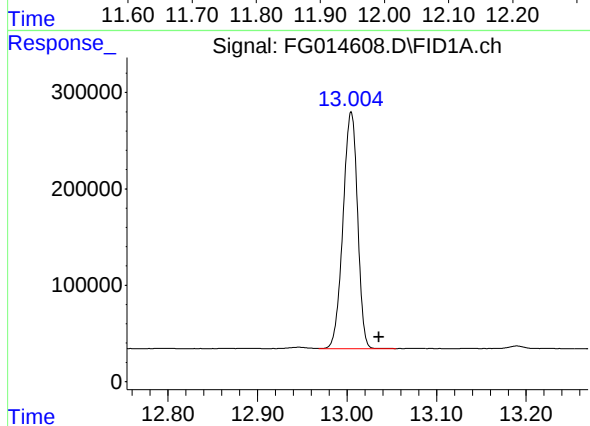
#10 Anthracene (C19.43)

R.T.: 11.257 min
Delta R.T.: -0.030 min
Response: 2611895
Conc: 18.63 ug/ml



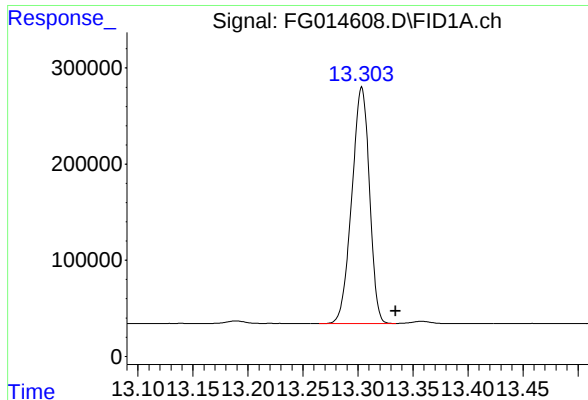
#11 ortho-Terphenyl (SURRE)

R.T.: 11.956 min
Delta R.T.: -0.029 min
Response: 2837280
Conc: 19.16 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 13.004 min
Delta R.T.: -0.031 min
Response: 2770593
Conc: 18.73 ug/ml



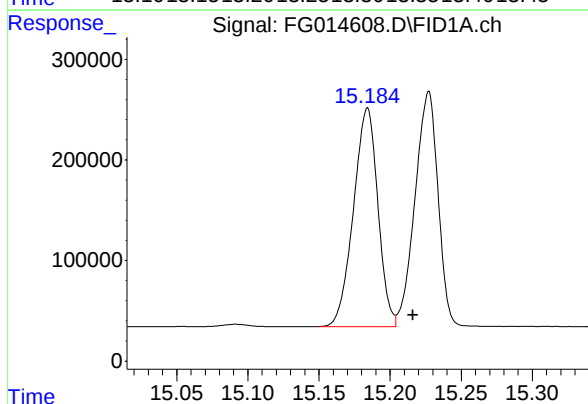
#13 Pyrene (C20.8)

R.T.: 13.303 min
Delta R.T.: -0.031 min
Response: 2743983
Conc: 18.66 ug/ml

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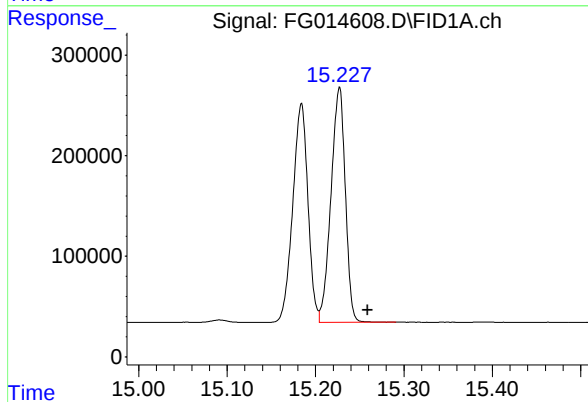
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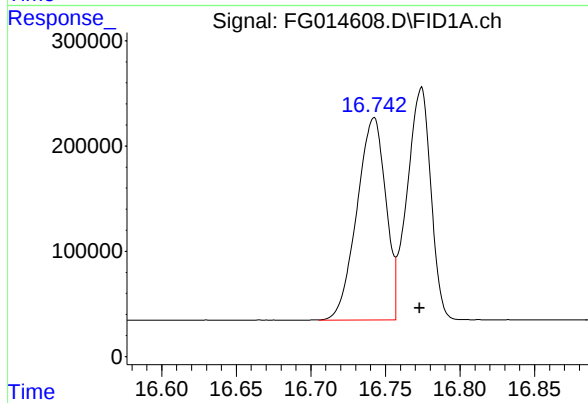
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.184 min
Delta R.T.: -0.032 min
Response: 2597043
Conc: 17.93 ug/ml m



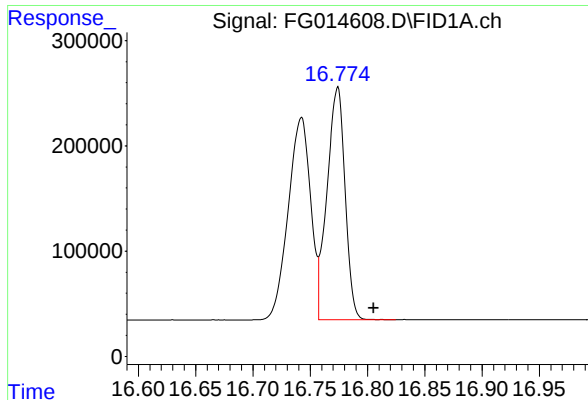
#15 Chrysene (C27.41)

R.T.: 15.227 min
Delta R.T.: -0.032 min
Response: 2634042
Conc: 17.96 ug/ml



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

R.T.: 16.742 min
Delta R.T.: -0.031 min
Response: 2613928
Conc: 17.77 ug/ml m



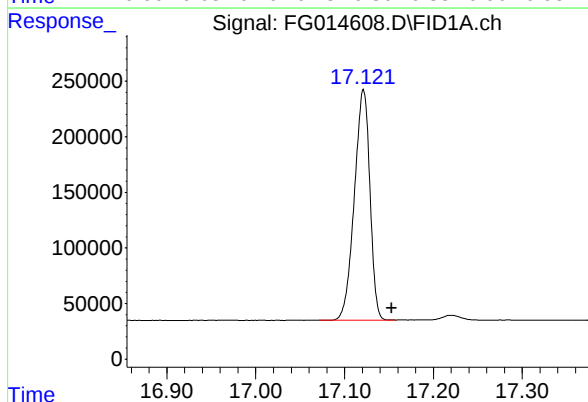
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.774 min
Delta R.T.: -0.032 min
Response: 2436552
Conc: 17.66 ug/ml

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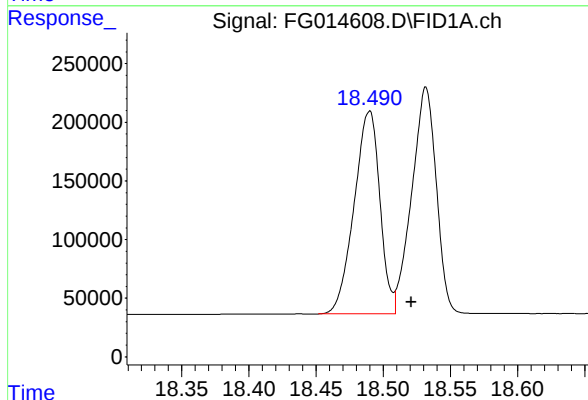
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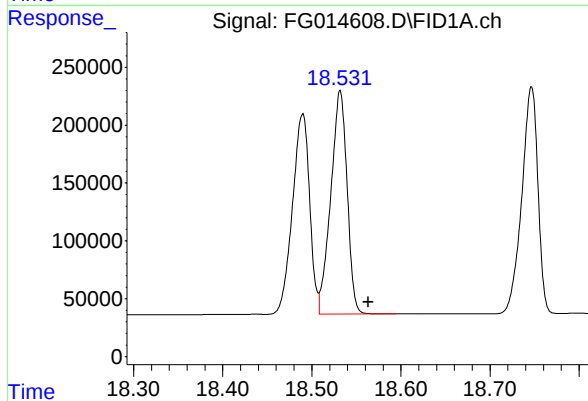
#18 Benzo[a]pyrene (C31.34)

R.T.: 17.121 min
Delta R.T.: -0.032 min
Response: 2518097
Conc: 17.66 ug/ml



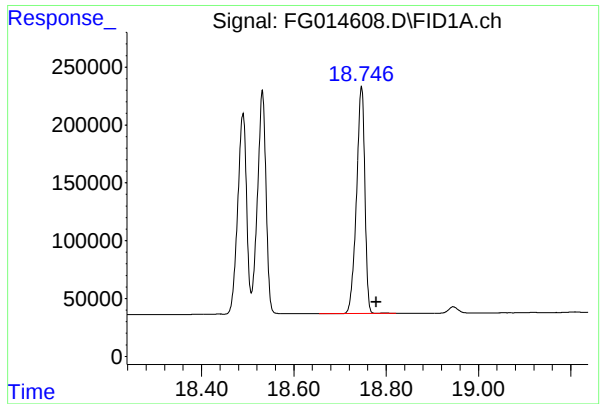
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.490 min
Delta R.T.: -0.031 min
Response: 2317427
Conc: 17.36 ug/ml m



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

R.T.: 18.532 min
Delta R.T.: -0.032 min
Response: 2457430
Conc: 17.61 ug/ml



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

R.T.: 18.746 min
Delta R.T.: -0.032 min
Response: 2468629
Conc: 17.74 ug/ml

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