

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF101524AR\
 Data File : FF014683.D
 Signal(s) : FID2B.ch
 Acq On : 15 Oct 2024 12:33
 Operator : YP\AJ
 Sample : 20 PPM AROMATIC HC STD
 Misc :
 ALS Vial : 91 Sample Multiplier: 1

Instrument :
 FID_F
 ClientSampleId :
 20 PPM AROMATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/16/2024
 Supervised By :Ankita Jodhani 10/16/2024

Integration File: autoint1.e
 Quant Time: Oct 16 02:25:10 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 093024.M
 Quant Title : GC Extractables
 QLast Update : Tue Oct 01 11:02:50 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...	7.856	2201156	20.528 ug/ml
Spiked Amount 50.000		Recovery =	41.06%
6) S 2-Fluorobiphenyl (SURR)	8.728	1269250	20.541 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	41.08%
11) S ortho-Terphenyl (SURR)	11.785	2799257	20.447 ug/ml
Spiked Amount 50.000		Recovery =	40.89%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.469	2607599	19.829 ug/ml
2) T Naphthalene (C11.7)	6.134	2629204	20.443 ug/ml
3) T 2-Methylnaphthalene (...)	7.228	2643203	20.989 ug/ml
5) T Acenaphthylene (C15.06)	8.525	2602571	20.133 ug/ml
7) T Acenaphthene (C15.5)	8.823	2768855	20.298 ug/ml
8) T Fluorene (C16.55)	9.613	2535948	21.230 ug/ml
9) T Phenanthrene (C19.36)	11.014	2486330	21.586 ug/ml
10) T Anthracene (C19.43)	11.089	2720092	23.011 ug/ml
12) T Fluoranthene (C21.85)	12.830	2696486	22.044 ug/ml
13) T Pyrene (C20.8)	13.126	2726196	21.960 ug/ml
14) T Benzo[a]anthracene (C...	15.003	2161482	24.495 ug/mlm
15) T Chrysene (C27.41)	15.045	3024737	21.051 ug/ml
16) T benzo[b]fluoranthene ...	16.558	2338413	24.198 ug/mlm
17) T Bnezo[k]fluoranthene ...	16.589	2698356	19.859 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.937	2389185	21.793 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.306	1565824	24.424 ug/mlm
20) T Dibenz[a,h]anthracene...	18.353	2357147	22.349 ug/ml
21) T Benzo[g,h,i]perylene ...	18.557	2531863	20.832 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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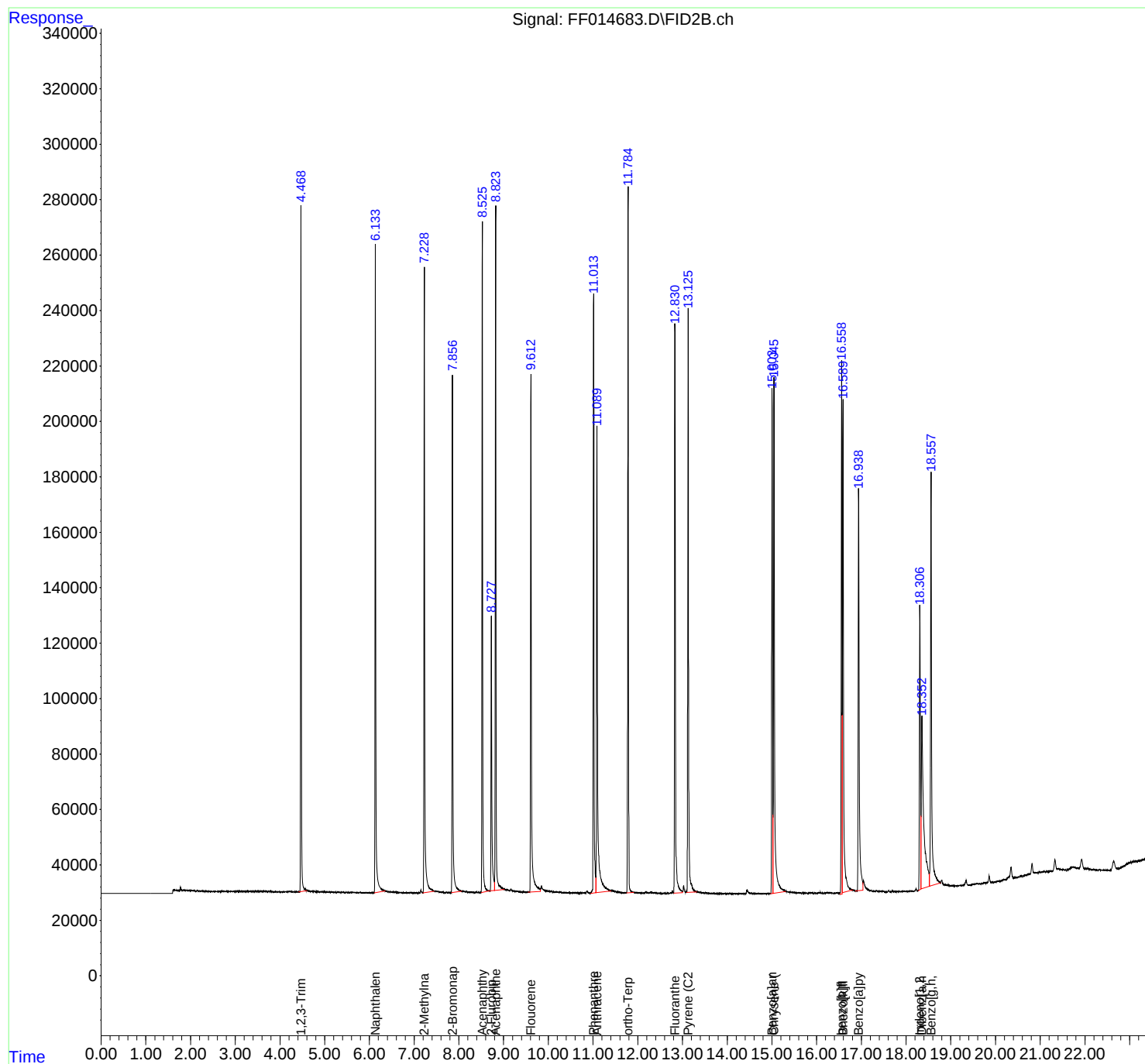
Instrument :
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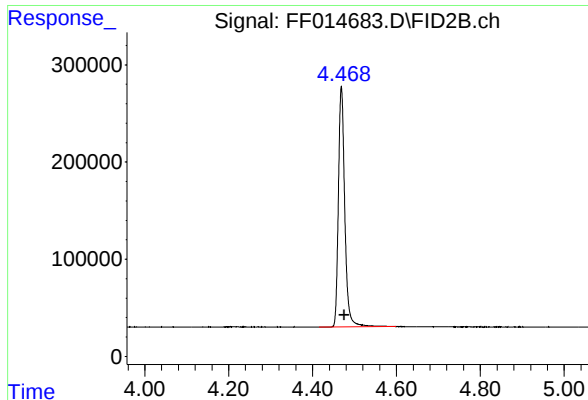
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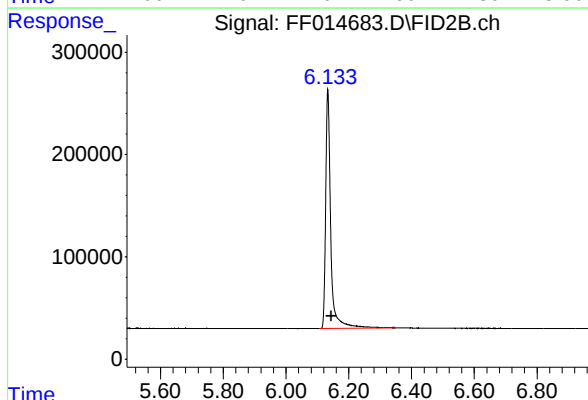
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.469 min
Delta R.T.: -0.007 min
Response: 2607599
Conc: 19.83 ug/ml

Instrument :
FID_F
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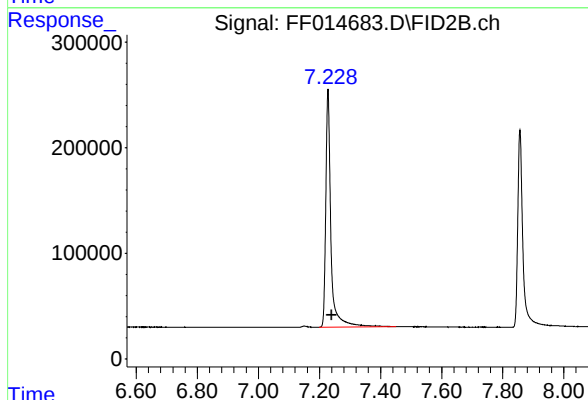
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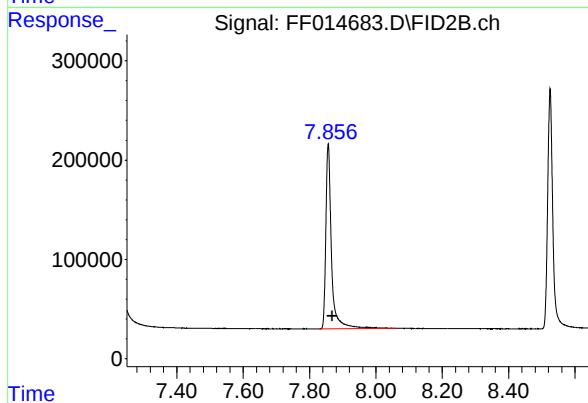
#2 Naphthalene (C11.7)

R.T.: 6.134 min
Delta R.T.: -0.011 min
Response: 2629204
Conc: 20.44 ug/ml



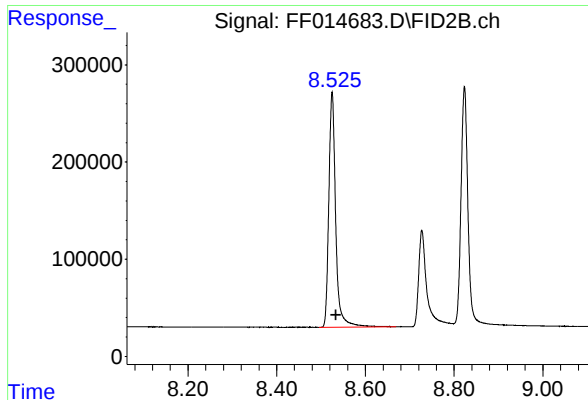
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.228 min
Delta R.T.: -0.012 min
Response: 2643203
Conc: 20.99 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.856 min
Delta R.T.: -0.012 min
Response: 2201156
Conc: 20.53 ug/ml



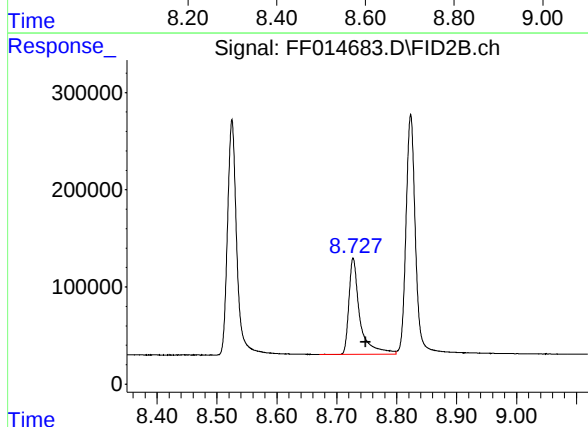
#5 Acenaphthylene (C15.06)

R.T.: 8.525 min
Delta R.T.: -0.009 min
Response: 2602571
Conc: 20.13 ug/ml

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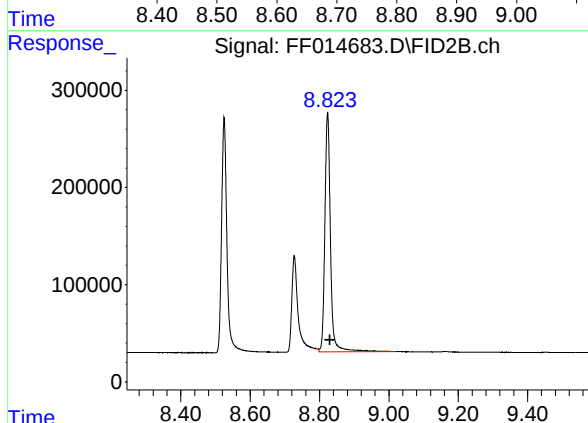
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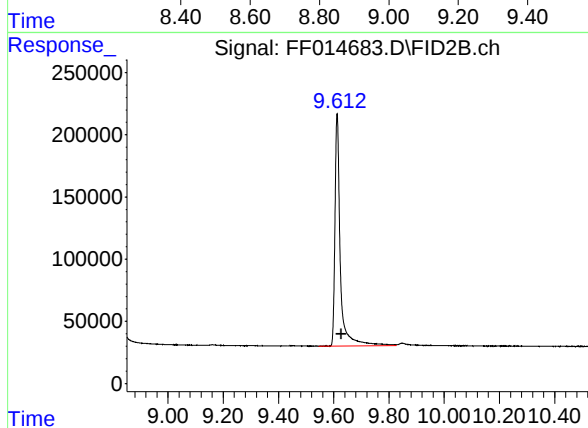
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.728 min
Delta R.T.: -0.021 min
Response: 1269250
Conc: 20.54 ug/ml



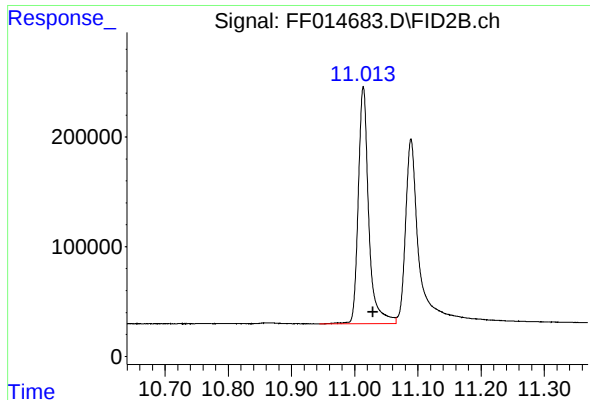
#7 Acenaphthene (C15.5)

R.T.: 8.823 min
Delta R.T.: -0.007 min
Response: 2768855
Conc: 20.30 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.613 min
Delta R.T.: -0.014 min
Response: 2535948
Conc: 21.23 ug/ml



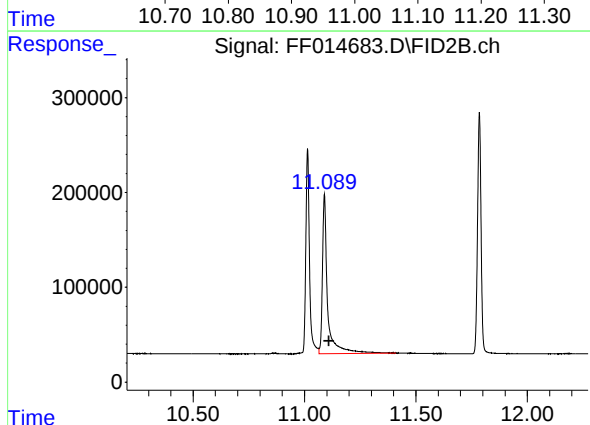
#9 Phenanthrene (C19.36)

R.T.: 11.014 min
Delta R.T.: -0.015 min
Response: 2486330
Conc: 21.59 ug/ml

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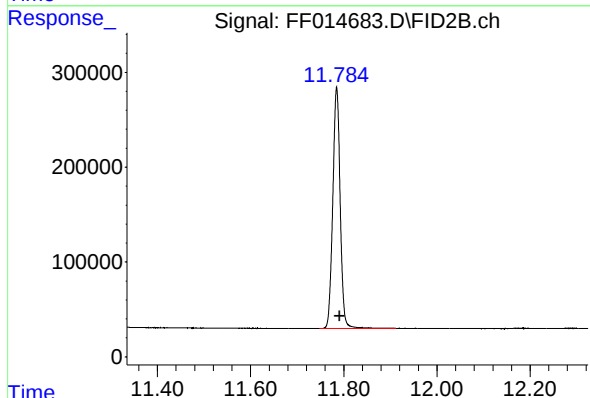
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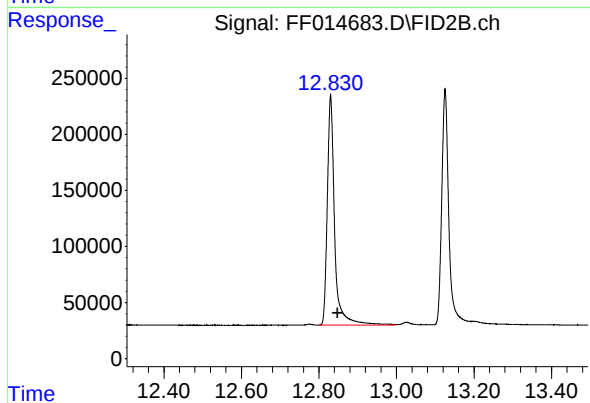
#10 Anthracene (C19.43)

R.T.: 11.089 min
Delta R.T.: -0.021 min
Response: 2720092
Conc: 23.01 ug/ml



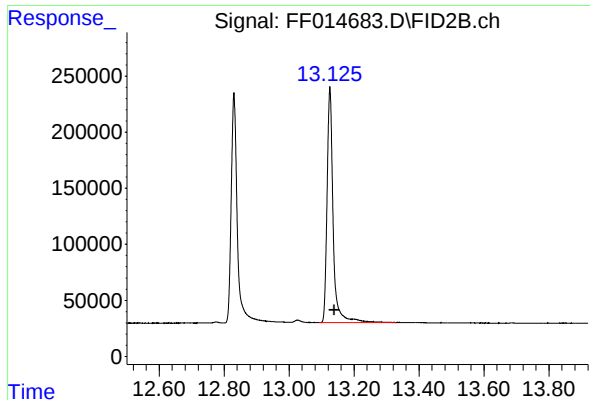
#11 ortho-Terphenyl (SURR)

R.T.: 11.785 min
Delta R.T.: -0.006 min
Response: 2799257
Conc: 20.45 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.830 min
Delta R.T.: -0.018 min
Response: 2696486
Conc: 22.04 ug/ml



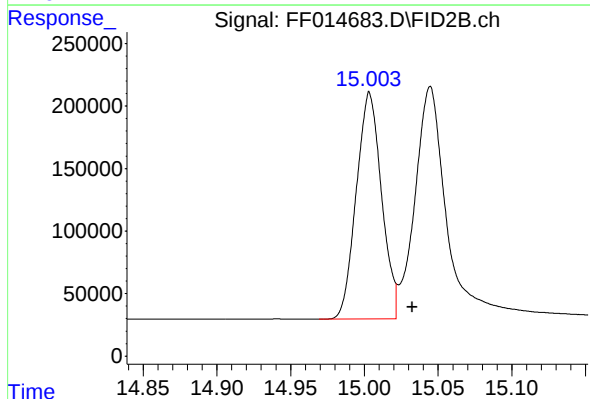
#13 Pyrene (C20.8)

R.T.: 13.126 min
Delta R.T.: -0.014 min
Response: 2726196
Conc: 21.96 ug/ml

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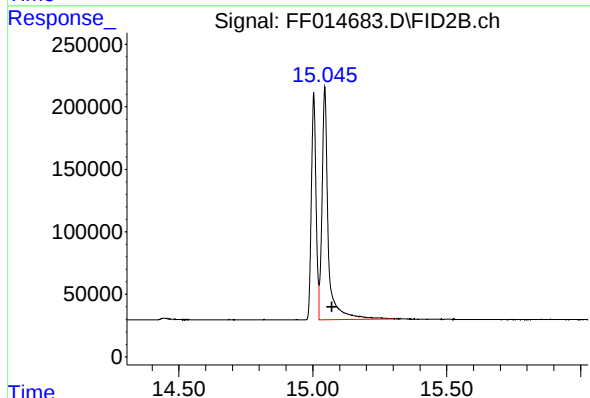
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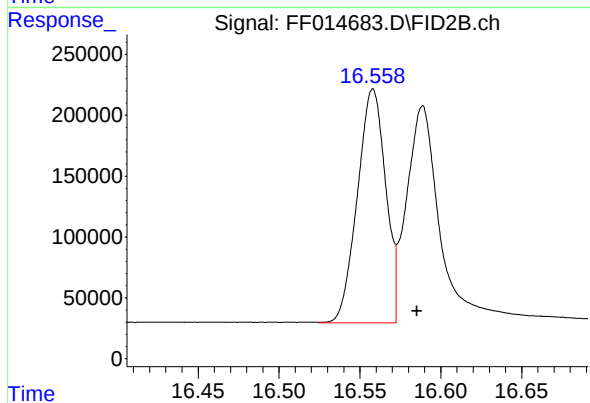
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.003 min
Delta R.T.: -0.030 min
Response: 2161482
Conc: 24.49 ug/ml m



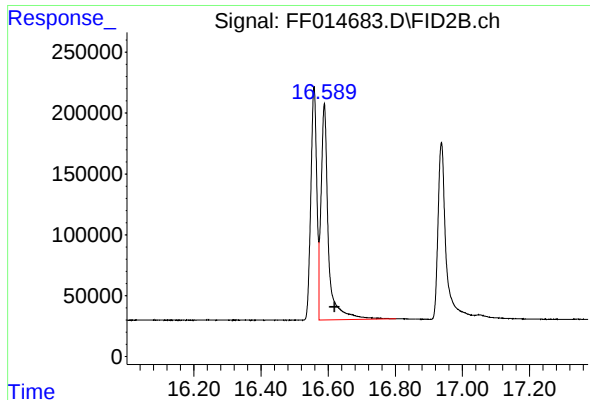
#15 Chrysene (C27.41)

R.T.: 15.045 min
Delta R.T.: -0.027 min
Response: 3024737
Conc: 21.05 ug/ml



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

R.T.: 16.558 min
Delta R.T.: -0.027 min
Response: 2338413
Conc: 24.20 ug/ml m



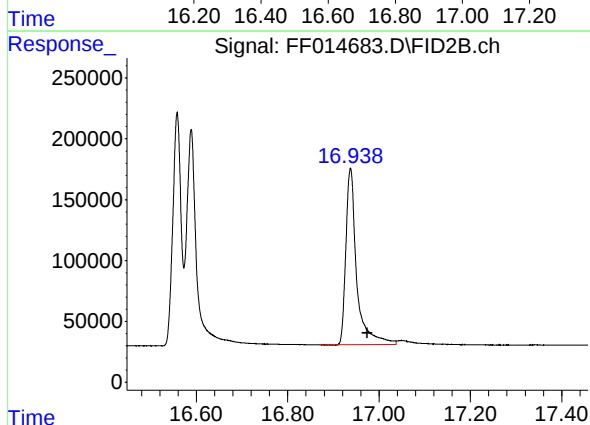
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.589 min
Delta R.T.: -0.031 min
Response: 2698356
Conc: 19.86 ug/ml

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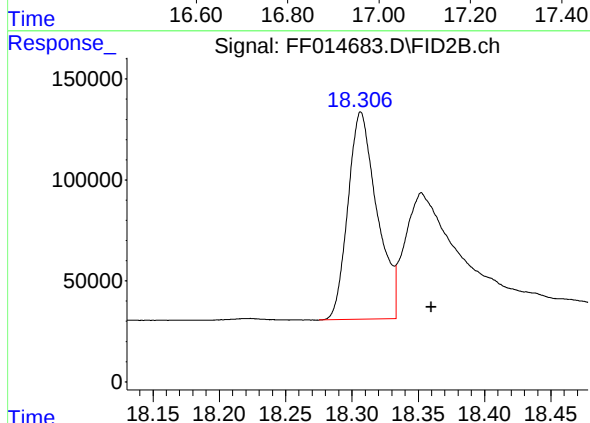
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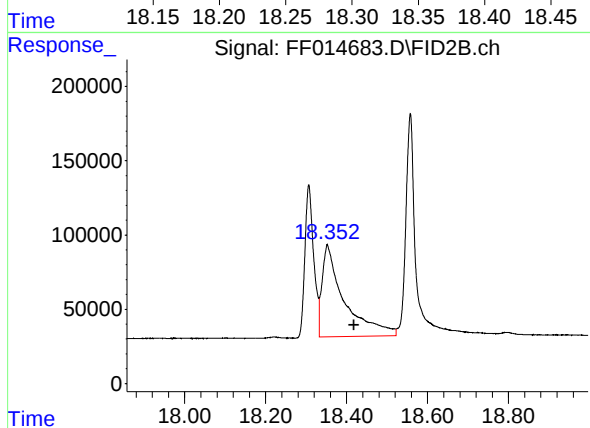
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.937 min
Delta R.T.: -0.037 min
Response: 2389185
Conc: 21.79 ug/ml



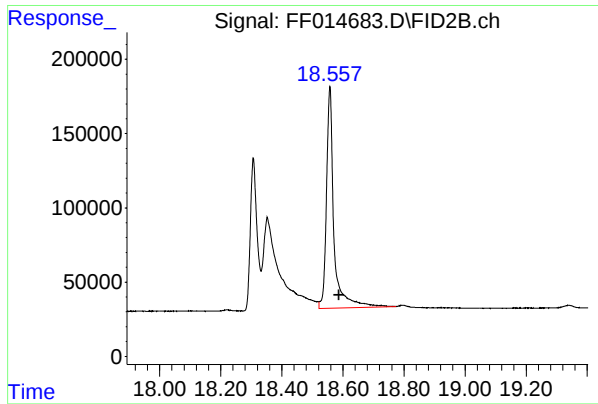
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.306 min
Delta R.T.: -0.054 min
Response: 1565824
Conc: 24.42 ug/ml m



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

R.T.: 18.353 min
Delta R.T.: -0.065 min
Response: 2357147
Conc: 22.35 ug/ml



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

R.T.: 18.557 min
Delta R.T.: -0.030 min
Response: 2531863
Conc: 20.83 ug/ml

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