

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF093024AR\
 Data File : FF014577.D
 Signal(s) : FID2B.ch
 Acq On : 30 Sep 2024 22:11
 Operator : YP\AJ
 Sample : 20 PPM AROMATIC HC STD
 Misc :
 ALS Vial : 66 Sample Multiplier: 1

Instrument :
 FID_F
 ClientSampleId :
 20 PPM AROMATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/02/2024
 Supervised By :Ankita Jodhani 10/02/2024

Integration File: autoint1.e
 Quant Time: Oct 01 11:06:20 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...	7.862	2243375	20.922 ug/ml
Spiked Amount 50.000		Recovery =	41.84%
6) S 2-Fluorobiphenyl (SURR)	8.733	1313305	21.254 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	42.51%
11) S ortho-Terphenyl (SURR)	11.791	2817189	20.578 ug/ml
Spiked Amount 50.000		Recovery =	41.16%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.474	2714963	20.645 ug/ml
2) T Naphthalene (C11.7)	6.139	2700918	21.000 ug/ml
3) T 2-Methylnaphthalene (...)	7.233	2674177	21.235 ug/ml
5) T Acenaphthylene (C15.06)	8.531	2658529	20.566 ug/ml
7) T Acenaphthene (C15.5)	8.829	2784212	20.410 ug/ml
8) T Fluorene (C16.55)	9.618	2521698	21.110 ug/ml
9) T Phenanthrene (C19.36)	11.020	2428196	21.081 ug/ml
10) T Anthracene (C19.43)	11.095	2534680	21.442 ug/ml
12) T Fluoranthene (C21.85)	12.837	2563761	20.959 ug/ml
13) T Pyrene (C20.8)	13.133	2587694	20.844 ug/ml
14) T Benzo[a]anthracene (C...	15.009	1972981	22.359 ug/mlm
15) T Chrysene (C27.41)	15.052	2824387	19.657 ug/ml
16) T benzo[b]fluoranthene ...	16.564	2070051	21.421 ug/mlm
17) T Bnezo[k]fluoranthene ...	16.596	2696531	19.845 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.945	2179446	19.880 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.319	1148491	17.915 ug/mlm
20) T Dibenz[a,h]anthracene...	18.365	2052695	19.462 ug/ml
21) T Benzo[g,h,i]perylene ...	18.566	2268383	18.664 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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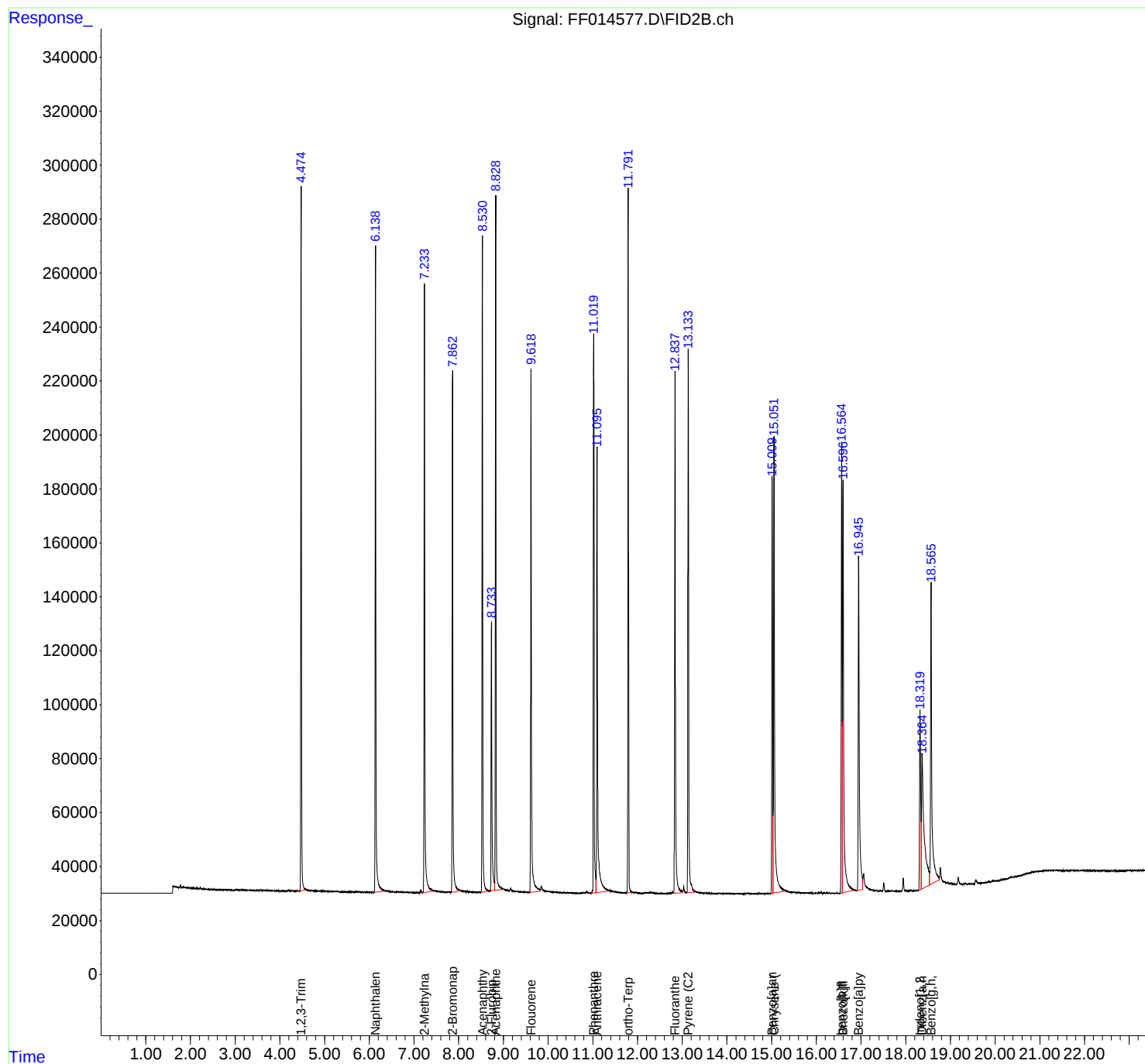
Instrument :
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20 PPM AROMATIC HC STD

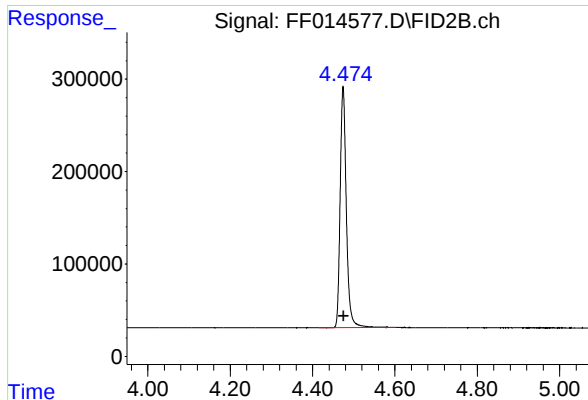
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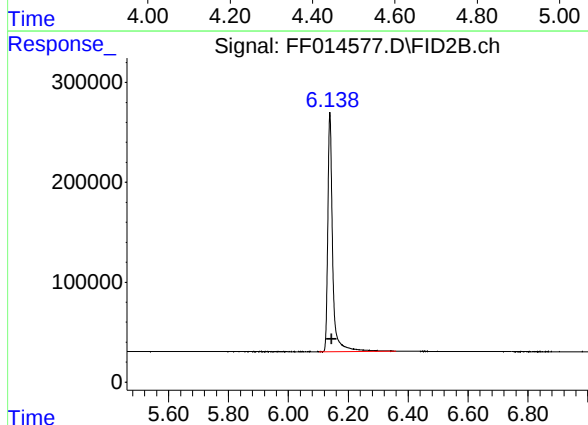
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.474 min
Delta R.T.: -0.002 min
Response: 2714963
Conc: 20.65 ug/ml

Instrument :
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20 PPM AROMATIC HC STD

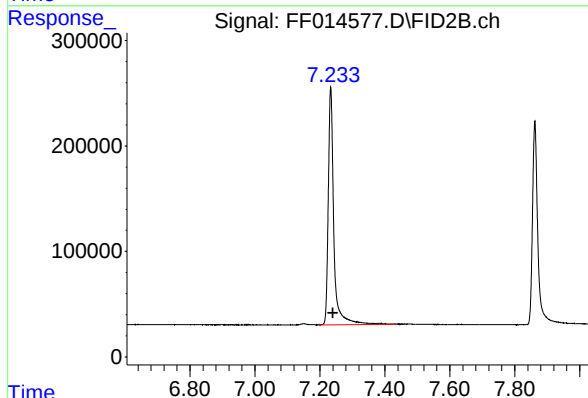
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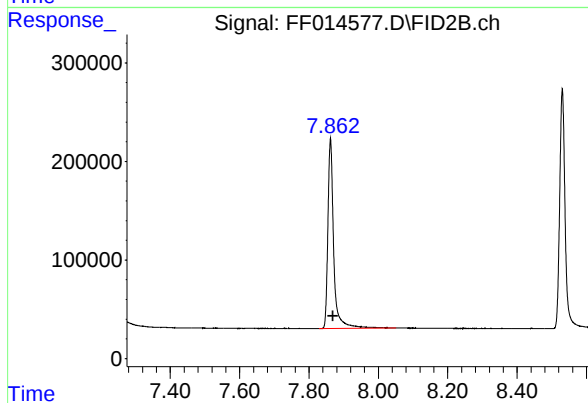
#2 Naphthalene (C11.7)

R.T.: 6.139 min
Delta R.T.: -0.005 min
Response: 2700918
Conc: 21.00 ug/ml



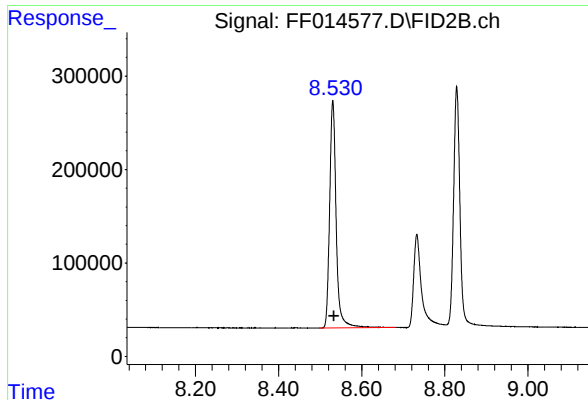
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.233 min
Delta R.T.: -0.006 min
Response: 2674177
Conc: 21.23 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.862 min
Delta R.T.: -0.007 min
Response: 2243375
Conc: 20.92 ug/ml



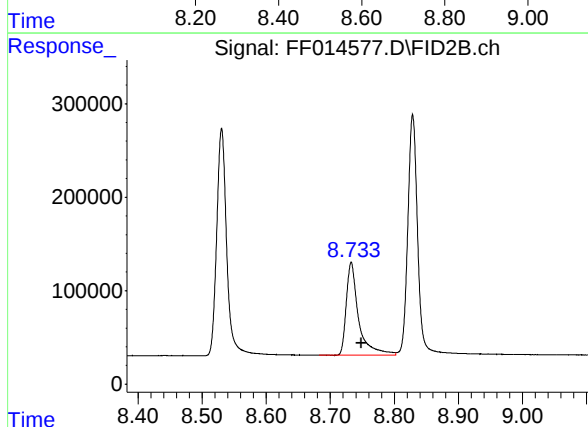
#5 Acenaphthylene (C15.06)

R.T.: 8.531 min
Delta R.T.: -0.003 min
Response: 2658529
Conc: 20.57 ug/ml

Instrument :
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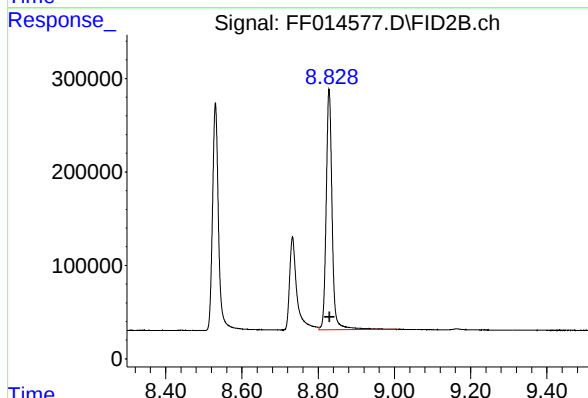
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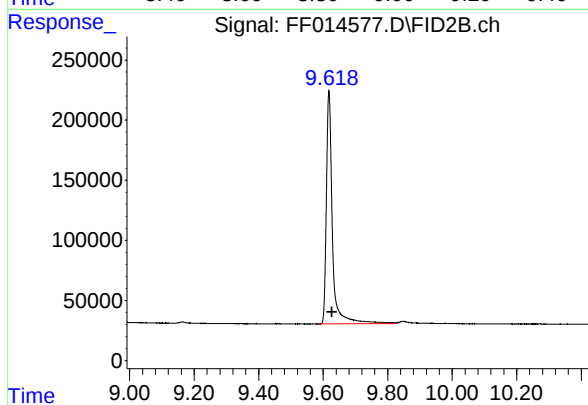
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.733 min
Delta R.T.: -0.016 min
Response: 1313305
Conc: 21.25 ug/ml



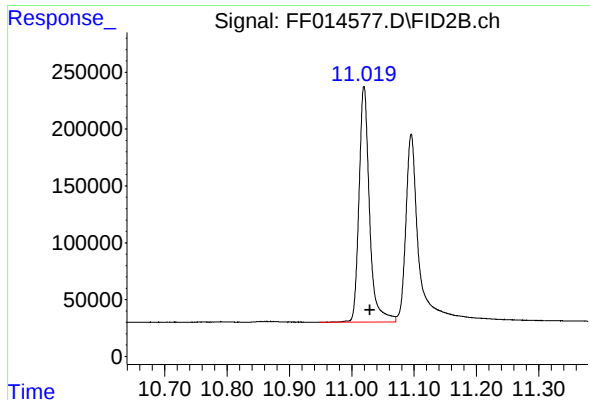
#7 Acenaphthene (C15.5)

R.T.: 8.829 min
Delta R.T.: -0.002 min
Response: 2784212
Conc: 20.41 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.618 min
Delta R.T.: -0.009 min
Response: 2521698
Conc: 21.11 ug/ml



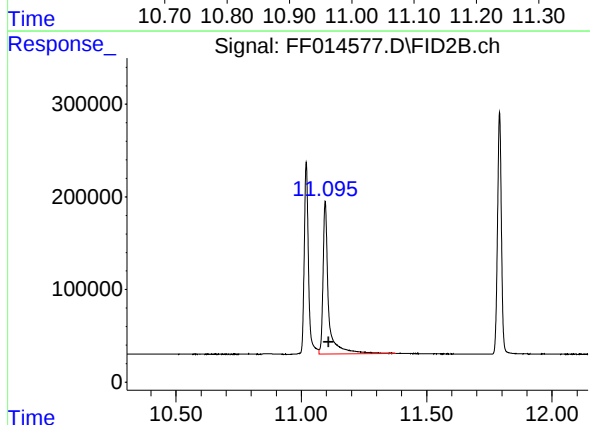
#9 Phenanthrene (C19.36)

R.T.: 11.020 min
Delta R.T.: -0.009 min
Response: 2428196
Conc: 21.08 ug/ml

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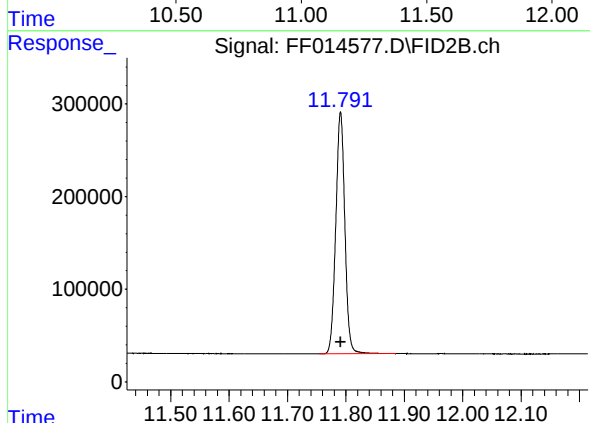
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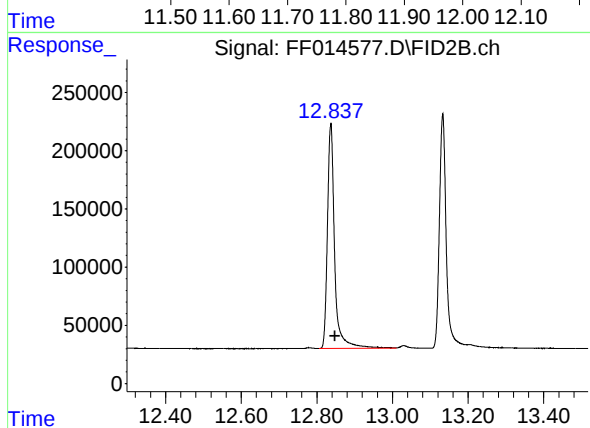
#10 Anthracene (C19.43)

R.T.: 11.095 min
Delta R.T.: -0.014 min
Response: 2534680
Conc: 21.44 ug/ml



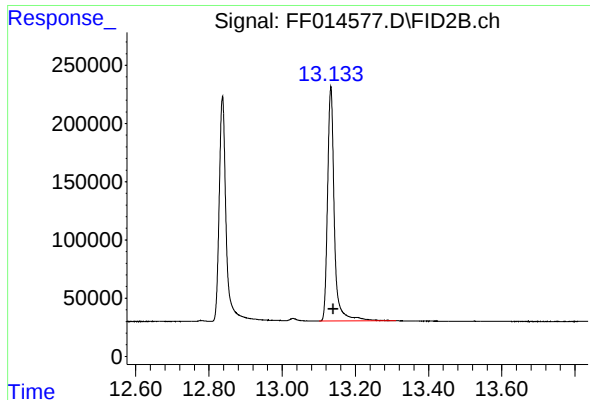
#11 ortho-Terphenyl (SURR)

R.T.: 11.791 min
Delta R.T.: 0.000 min
Response: 2817189
Conc: 20.58 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.837 min
Delta R.T.: -0.011 min
Response: 2563761
Conc: 20.96 ug/ml



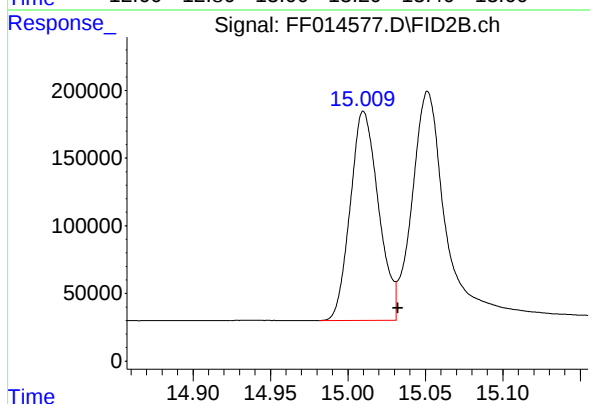
#13 Pyrene (C20.8)

R.T.: 13.133 min
Delta R.T.: -0.007 min
Response: 2587694
Conc: 20.84 ug/ml

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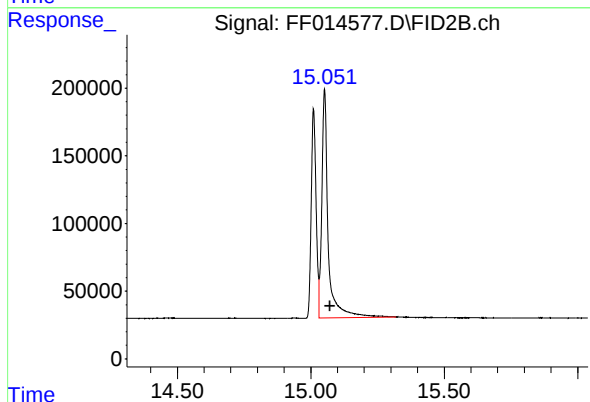
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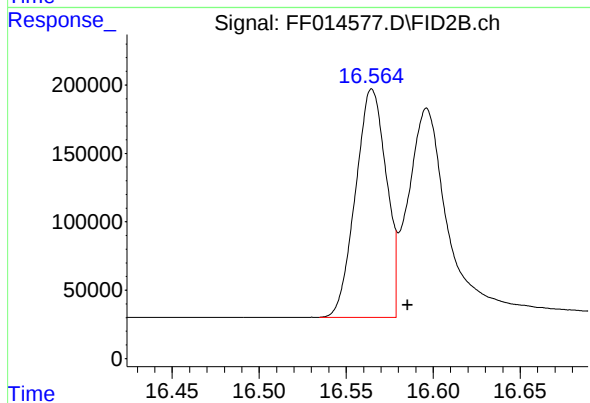
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.009 min
Delta R.T.: -0.023 min
Response: 1972981
Conc: 22.36 ug/ml m



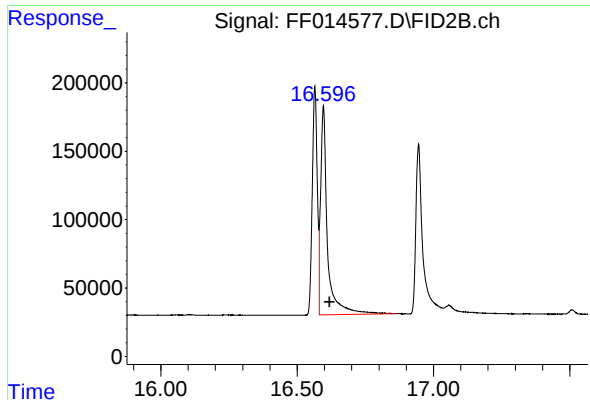
#15 Chrysene (C27.41)

R.T.: 15.052 min
Delta R.T.: -0.020 min
Response: 2824387
Conc: 19.66 ug/ml



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

R.T.: 16.564 min
Delta R.T.: -0.021 min
Response: 2070051
Conc: 21.42 ug/ml m



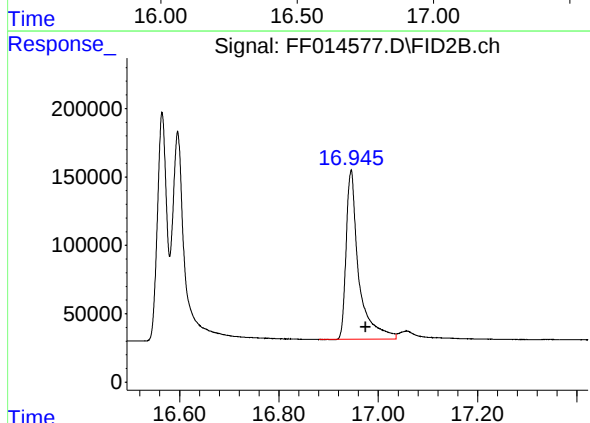
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.596 min
Delta R.T.: -0.023 min
Response: 2696531
Conc: 19.85 ug/ml

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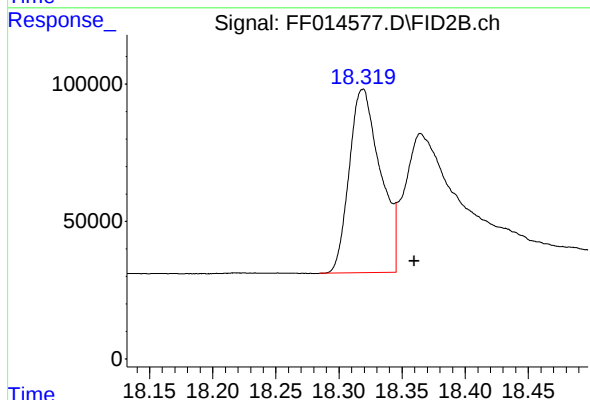
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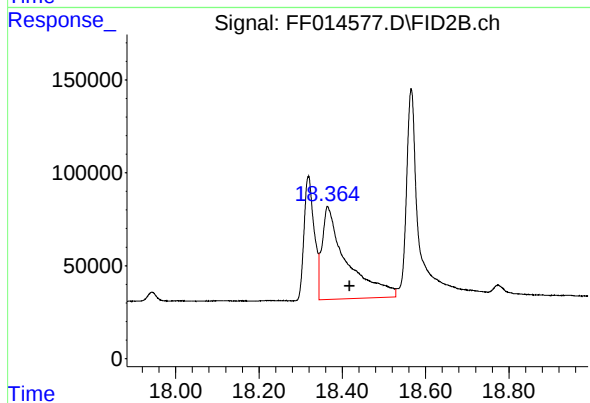
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.945 min
Delta R.T.: -0.029 min
Response: 2179446
Conc: 19.88 ug/ml



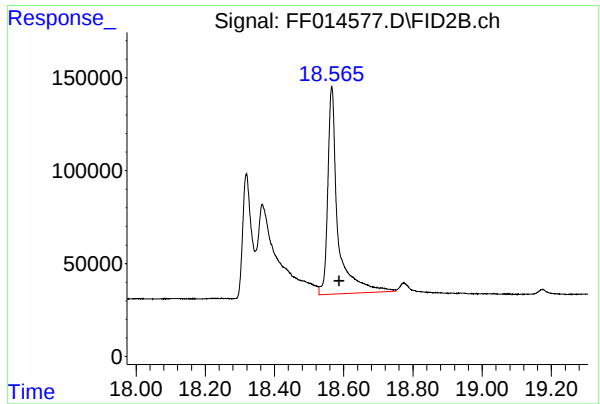
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.319 min
Delta R.T.: -0.041 min
Response: 1148491
Conc: 17.91 ug/ml m



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

R.T.: 18.365 min
Delta R.T.: -0.053 min
Response: 2052695
Conc: 19.46 ug/ml



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

R.T.: 18.566 min
Delta R.T.: -0.022 min
Response: 2268383
Conc: 18.66 ug/ml

Instrument :

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