

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD082924AR\
 Data File : FD048233.D
 Signal(s) : FID2B.ch
 Acq On : 29 Aug 2024 13:21
 Operator : YP/AJ
 Sample : 20 PPM AROMATIC HC STD
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 20 PPM AROMATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/30/2024
 Supervised By :Ankita Jodhani 09/03/2024

Integration File: autoint1.e
 Quant Time: Aug 30 02:58:21 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 081324.M
 Quant Title : GC Extractables
 QLast Update : Mon Aug 12 16:16:10 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...	7.393	3029143	20.294 ug/ml
Spiked Amount 50.000		Recovery =	40.59%
6) S 2-Fluorobiphenyl (SURR)	8.244	1917916	20.037 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	40.07%
11) S ortho-Terphenyl (SURR)	11.279	3427920	20.350 ug/ml
Spiked Amount 50.000		Recovery =	40.70%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.213	3472276	20.370 ug/ml
2) T Naphthalene (C11.7)	5.733	3538888	20.309 ug/ml
3) T 2-Methylnaphthalene (...)	6.780	3519910	20.240 ug/ml
5) T Acenaphthylene (C15.06)	8.046	3450183	20.038 ug/ml
7) T Acenaphthene (C15.5)	8.340	3521098	20.335 ug/ml
8) T Fluorene (C16.55)	9.118	3335713	20.227 ug/ml
9) T Phenanthrene (C19.36)	10.506	3209786	20.056 ug/ml
10) T Anthracene (C19.43)	10.582	2927002	18.660 ug/ml
12) T Fluoranthene (C21.85)	12.310	3203541	20.121 ug/ml
13) T Pyrene (C20.8)	12.602	3187679	20.312 ug/ml
14) T Benzo[a]anthracene (C...	14.471	2766214	19.637 ug/mlm
15) T Chrysene (C27.41)	14.512	3102497	19.464 ug/ml
16) T benzo[b]fluoranthene ...	16.016	2998537	20.196 ug/mlm
17) T Bnezo[k]fluoranthene ...	16.047	2910621	19.620 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.392	2910643	19.764 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.753	1933762	15.820 ug/mlm
20) T Dibenz[a,h]anthracene...	17.796	2661553	17.423 ug/ml
21) T Benzo[g,h,i]perylene ...	18.003	2691531	17.823 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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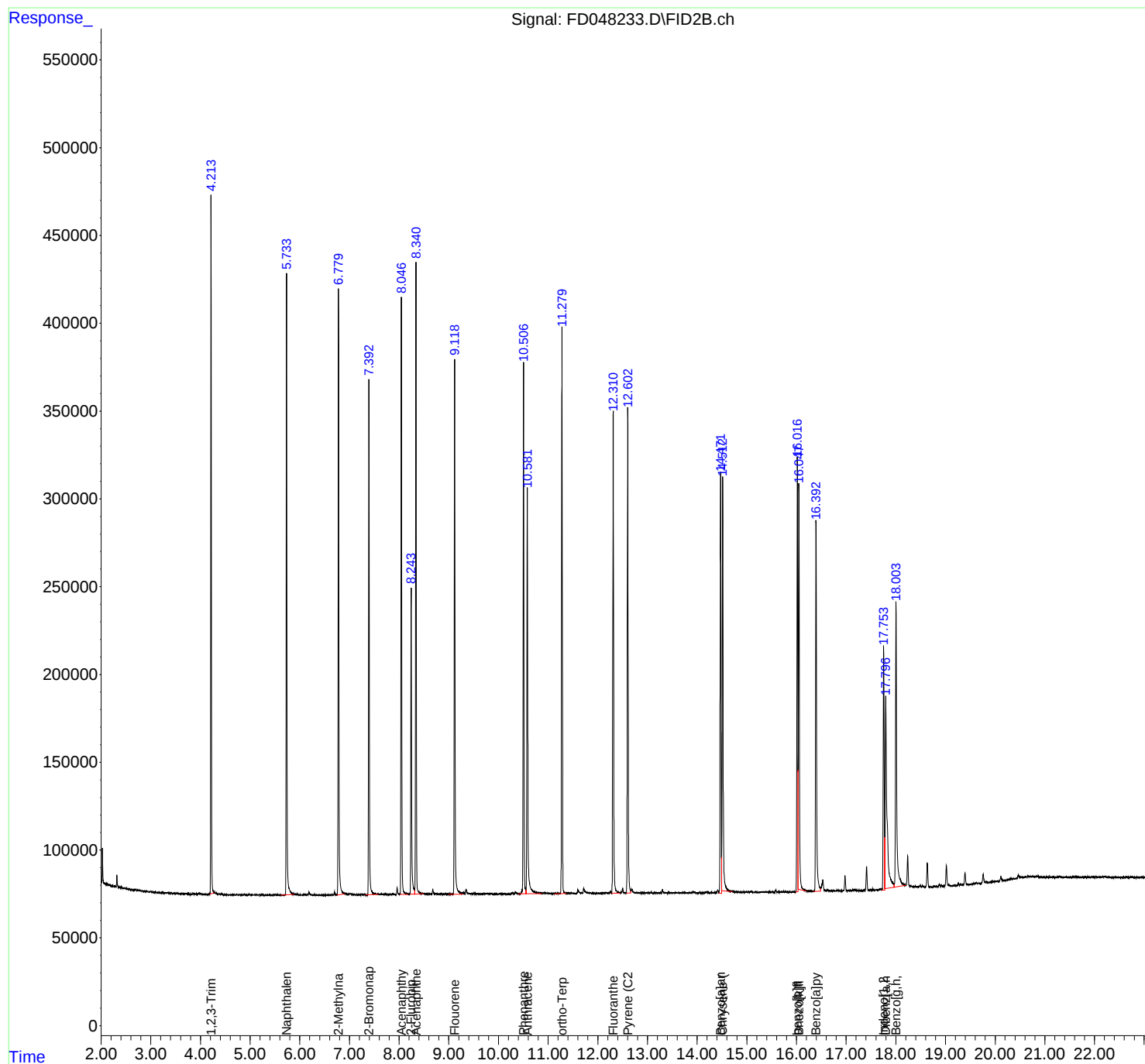
Instrument :
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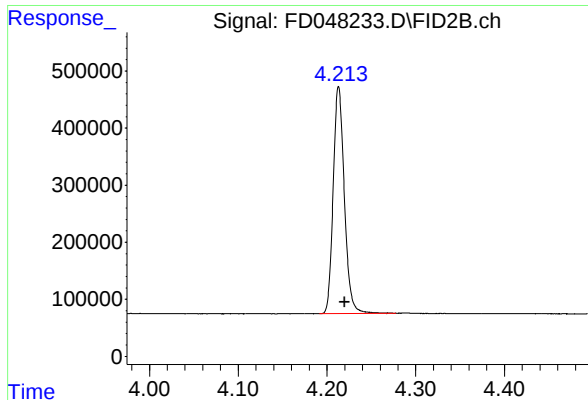
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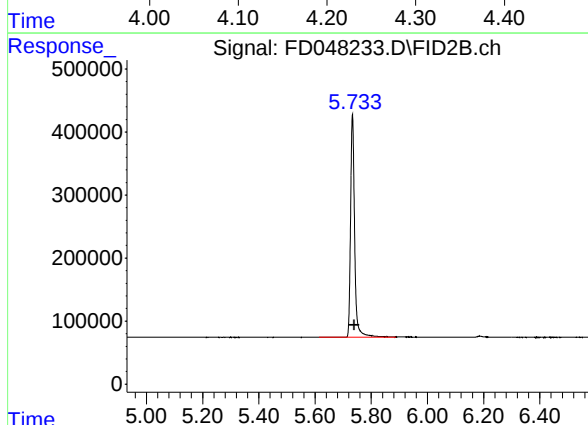
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.213 min
Delta R.T.: -0.007 min
Response: 3472276
Conc: 20.37 ug/ml

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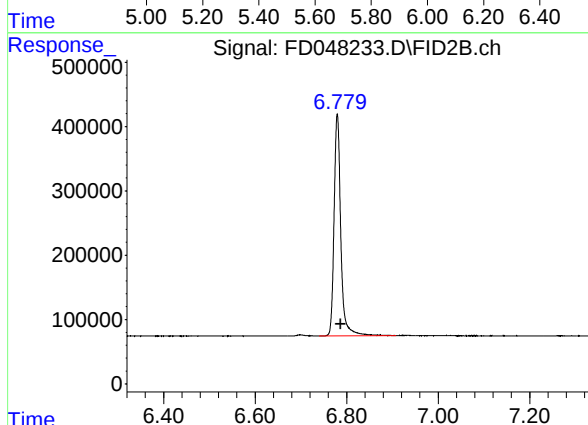
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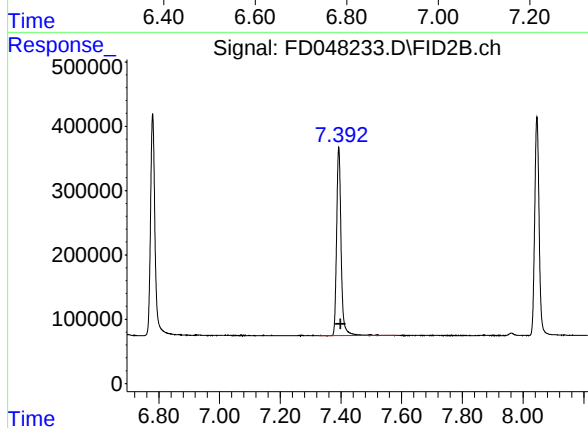
#2 Naphthalene (C11.7)

R.T.: 5.733 min
Delta R.T.: -0.007 min
Response: 3538888
Conc: 20.31 ug/ml



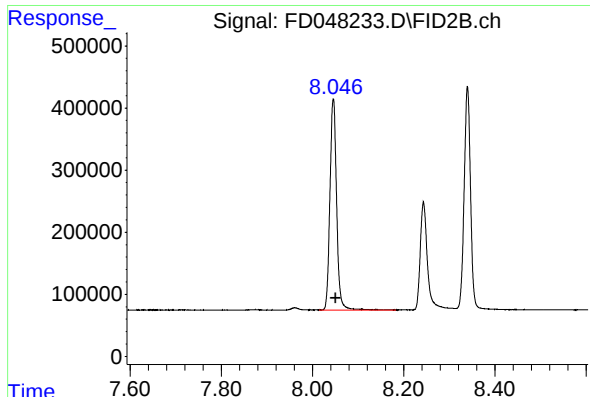
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.780 min
Delta R.T.: -0.007 min
Response: 3519910
Conc: 20.24 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.393 min
Delta R.T.: -0.006 min
Response: 3029143
Conc: 20.29 ug/ml



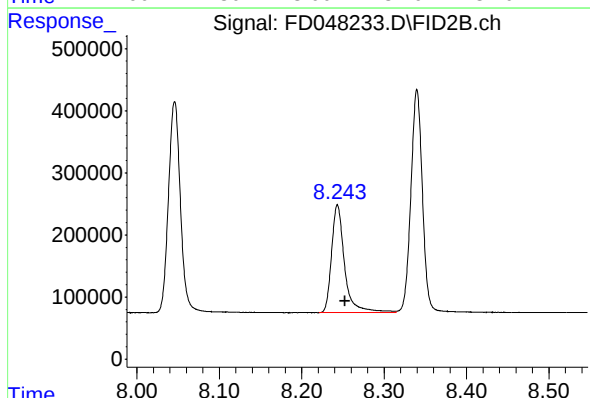
#5 Acenaphthylene (C15.06)

R.T.: 8.046 min
Delta R.T.: -0.005 min
Response: 3450183
Conc: 20.04 ug/ml

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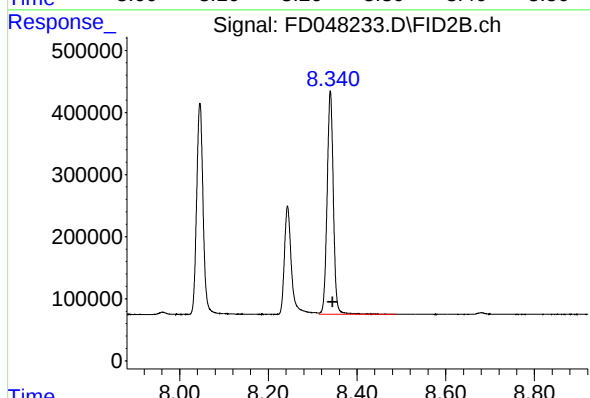
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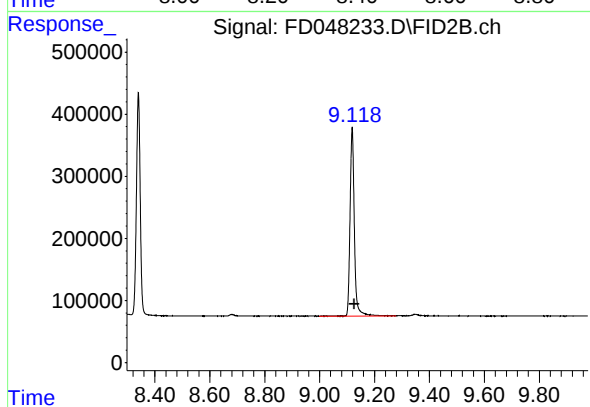
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.244 min
Delta R.T.: -0.009 min
Response: 1917916
Conc: 20.04 ug/ml



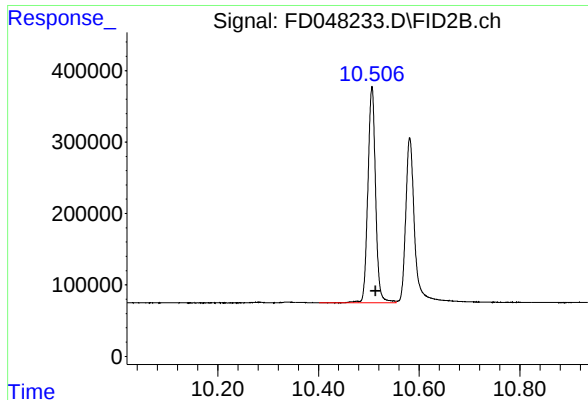
#7 Acenaphthene (C15.5)

R.T.: 8.340 min
Delta R.T.: -0.005 min
Response: 3521098
Conc: 20.34 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.118 min
Delta R.T.: -0.007 min
Response: 3335713
Conc: 20.23 ug/ml



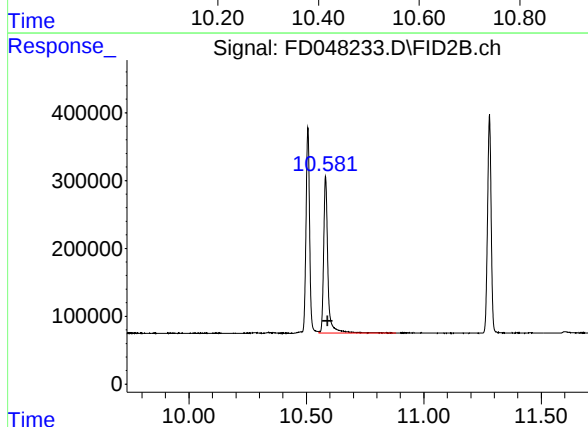
#9 Phenanthrene (C19.36)

R.T.: 10.506 min
Delta R.T.: -0.008 min
Response: 3209786
Conc: 20.06 ug/ml

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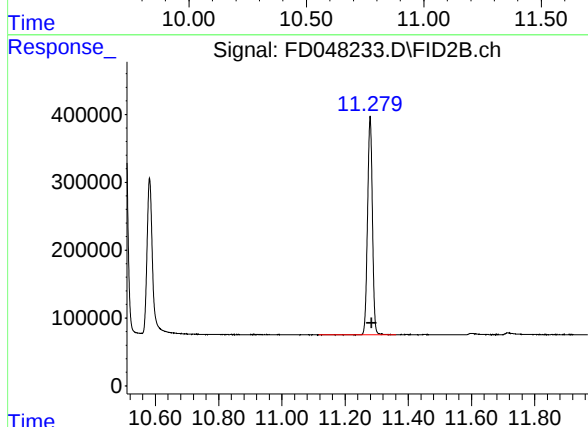
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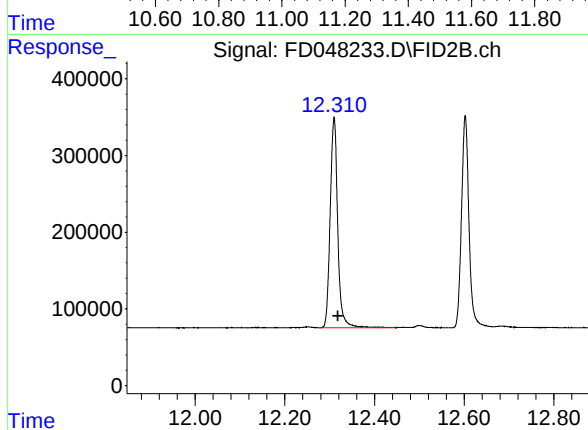
#10 Anthracene (C19.43)

R.T.: 10.582 min
Delta R.T.: -0.009 min
Response: 2927002
Conc: 18.66 ug/ml



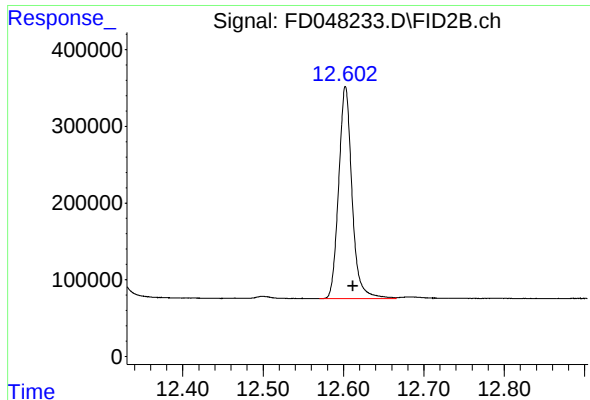
#11 ortho-Terphenyl (SURR)

R.T.: 11.279 min
Delta R.T.: -0.005 min
Response: 3427920
Conc: 20.35 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.310 min
Delta R.T.: -0.009 min
Response: 3203541
Conc: 20.12 ug/ml



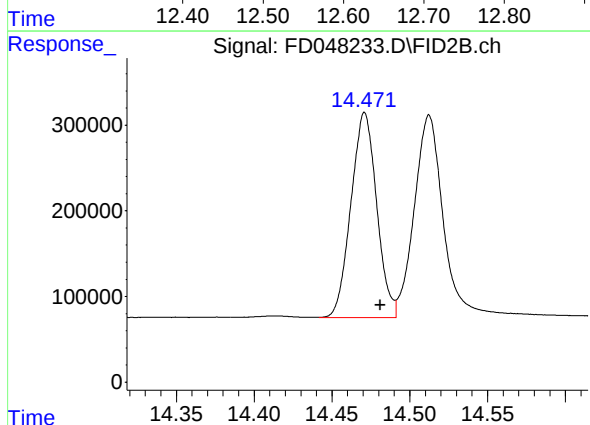
#13 Pyrene (C20.8)

R.T.: 12.602 min
Delta R.T.: -0.010 min
Response: 3187679
Conc: 20.31 ug/ml

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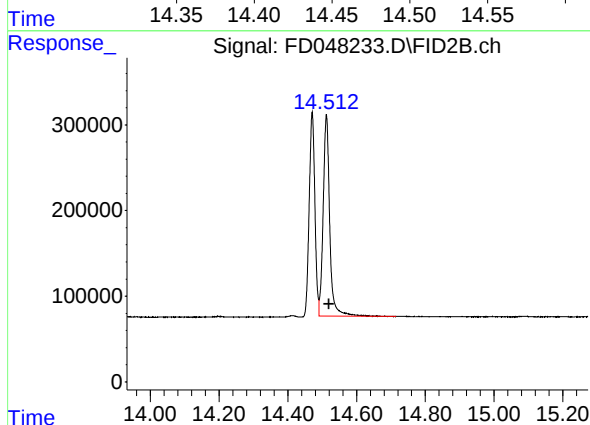
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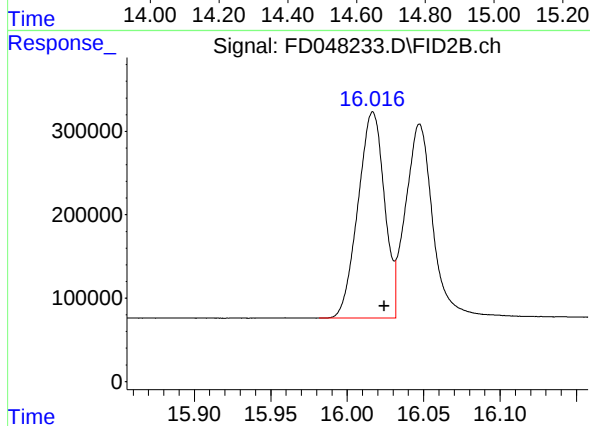
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.471 min
Delta R.T.: -0.010 min
Response: 2766214
Conc: 19.64 ug/ml m



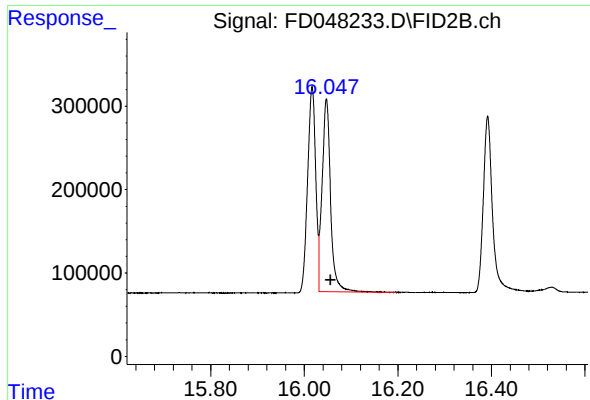
#15 Chrysene (C27.41)

R.T.: 14.512 min
Delta R.T.: -0.008 min
Response: 3102497
Conc: 19.46 ug/ml



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

R.T.: 16.016 min
Delta R.T.: -0.008 min
Response: 2998537
Conc: 20.20 ug/ml m



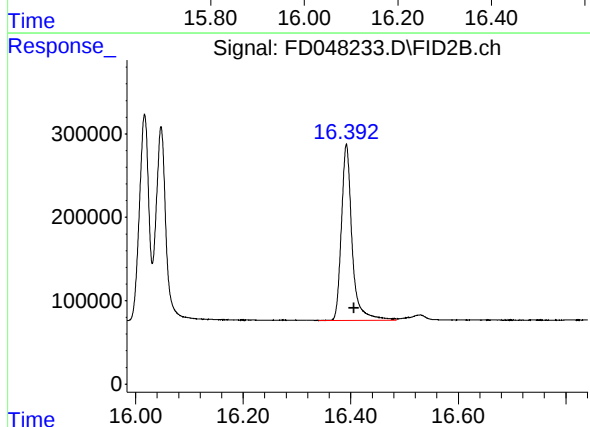
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.047 min
Delta R.T.: -0.009 min
Response: 2910621
Conc: 19.62 ug/ml

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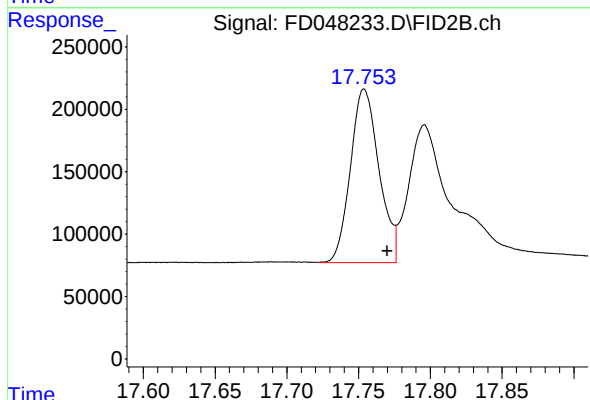
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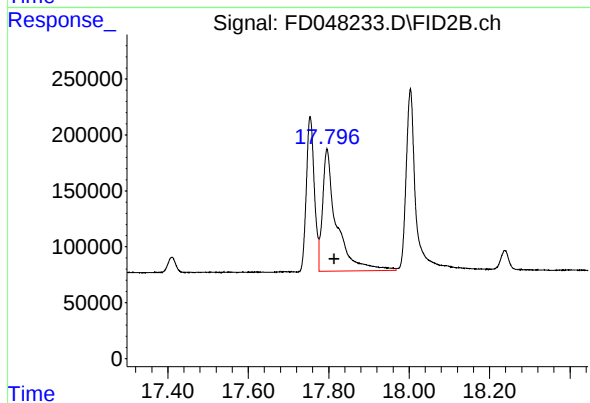
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.392 min
Delta R.T.: -0.014 min
Response: 2910643
Conc: 19.76 ug/ml



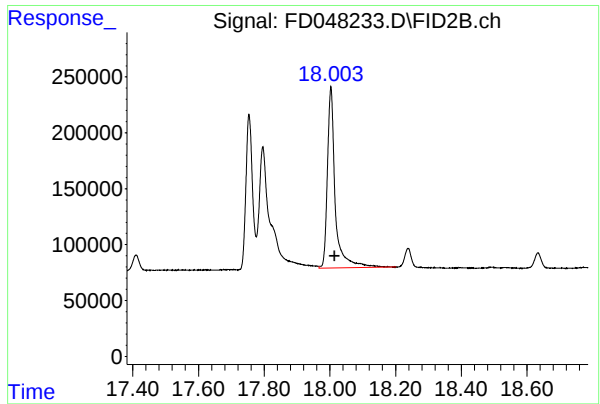
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.753 min
Delta R.T.: -0.017 min
Response: 1933762
Conc: 15.82 ug/ml m



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

R.T.: 17.796 min
Delta R.T.: -0.019 min
Response: 2661553
Conc: 17.42 ug/ml



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

R.T.: 18.003 min
Delta R.T.: -0.012 min
Response: 2691531
Conc: 17.82 ug/ml

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