

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD111224AR\
 Data File : FD048708.D
 Signal(s) : FID2B.ch
 Acq On : 12 Nov 2024 09:22
 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 11/13/2024
 Supervised By :Ankita Jodhani 11/13/2024

Integration File: autoint1.e
 Quant Time: Nov 12 23:22:04 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 102324.M
 Quant Title : GC Extractables
 QLast Update : Wed Oct 23 18:14:59 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...	7.378	3186748	20.996 ug/ml
Spiked Amount 50.000		Recovery =	41.99%
6) S 2-Fluorobiphenyl (SURR)	8.230	2094948	21.335 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	42.67%
11) S ortho-Terphenyl (SURR)	11.265	3547664	20.827 ug/ml
Spiked Amount 50.000		Recovery =	41.65%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.199	3677679	21.140 ug/ml
2) T Naphthalene (C11.7)	5.719	3791448	21.248 ug/ml
3) T 2-Methylnaphthalene (...)	6.767	3775000	21.105 ug/ml
5) T Acenaphthylene (C15.06)	8.033	3642731	20.745 ug/ml
7) T Acenaphthene (C15.5)	8.327	3694154	20.828 ug/ml
8) T Fluorene (C16.55)	9.106	3571959	21.131 ug/ml
9) T Phenanthrene (C19.36)	10.495	3466847	20.972 ug/ml
10) T Anthracene (C19.43)	10.571	3026504	18.926 ug/ml
12) T Fluoranthene (C21.85)	12.301	3477573	21.130 ug/ml
13) T Pyrene (C20.8)	12.594	3415525	21.204 ug/ml
14) T Benzo[a]anthracene (C...	14.466	3160512	21.615 ug/ml
15) T Chrysene (C27.41)	14.507	3282947	19.958 ug/ml
16) T benzo[b]fluoranthene ...	16.015	3313065	21.792 ug/ml
17) T Bnezo[k]fluoranthene ...	16.046	3237832	21.542 ug/mlm
18) T Benzo[a]pyrene (C31.34)	16.391	3278875	21.787 ug/mlm
19) T Indeno[1,2,3-cd]pyren...	17.756	2912413	22.321 ug/ml
20) T Dibenz[a,h]anthracene...	17.796	3273411	20.115 ug/mlm
21) T Benzo[g,h,i]perylene ...	18.008	3407737	22.259 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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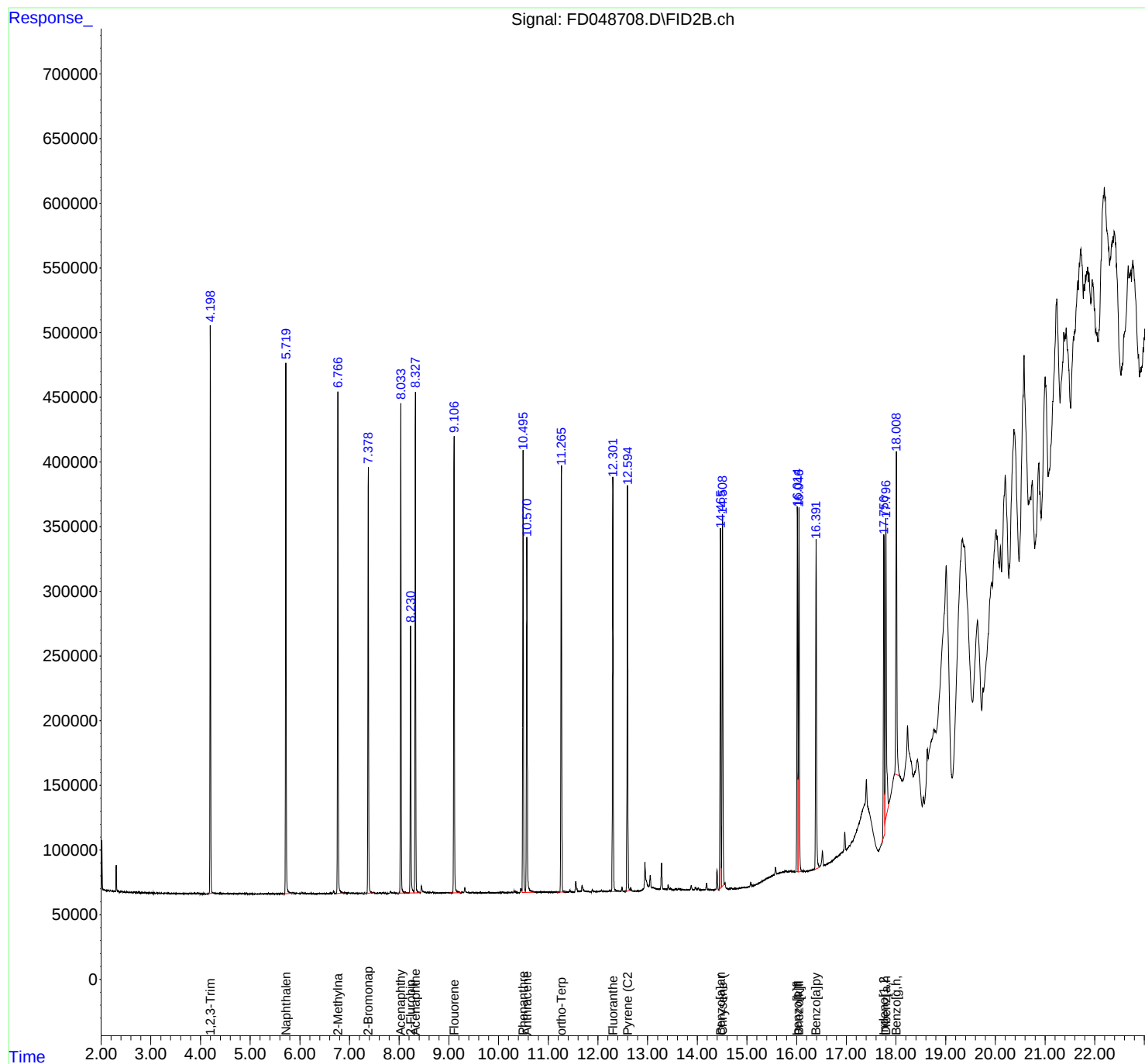
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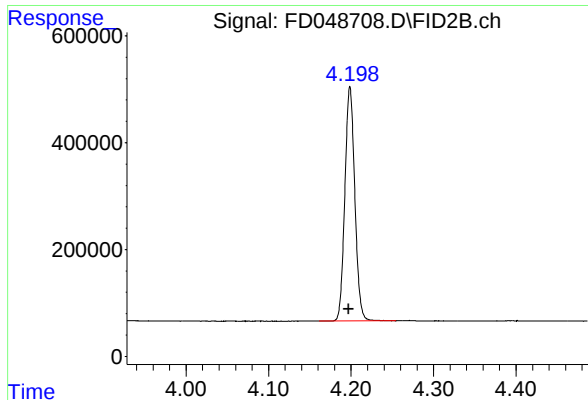
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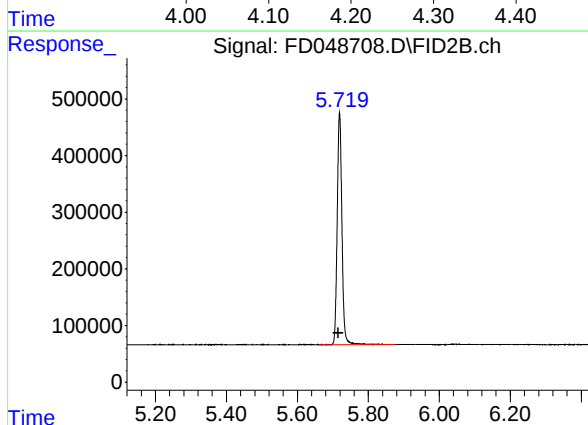
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.199 min
Delta R.T.: 0.002 min
Response: 3677679
Conc: 21.14 ug/ml

Instrument :
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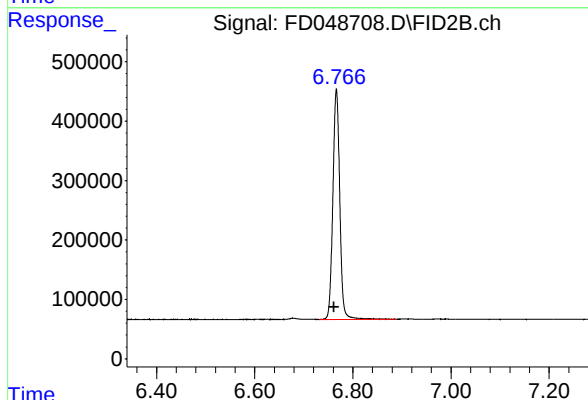
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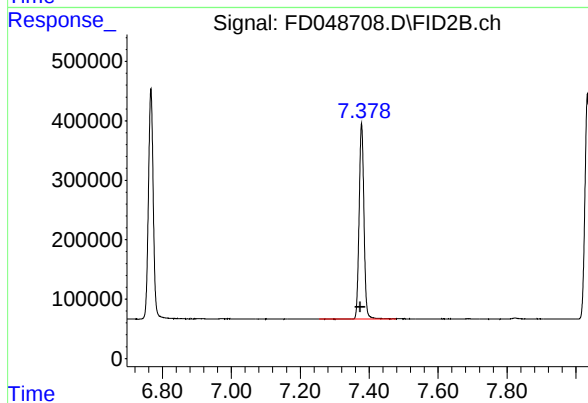
#2 Naphthalene (C11.7)

R.T.: 5.719 min
Delta R.T.: 0.003 min
Response: 3791448
Conc: 21.25 ug/ml



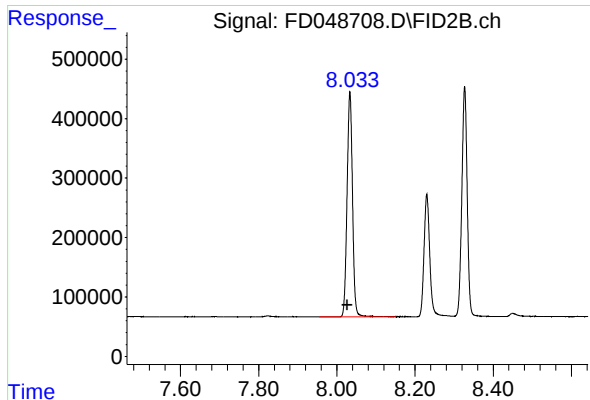
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.767 min
Delta R.T.: 0.004 min
Response: 3775000
Conc: 21.11 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.378 min
Delta R.T.: 0.003 min
Response: 3186748
Conc: 21.00 ug/ml



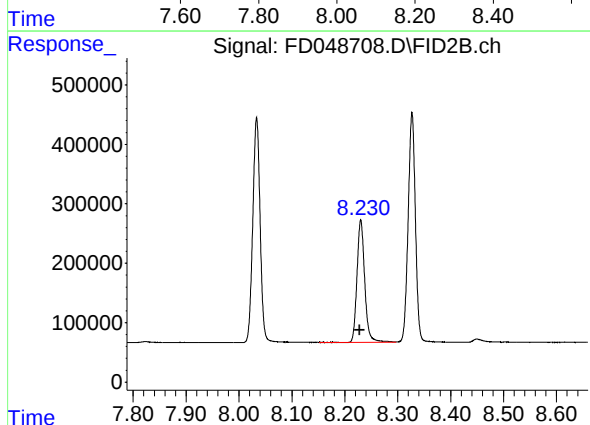
#5 Acenaphthylene (C15.06)

R.T.: 8.033 min
Delta R.T.: 0.007 min
Response: 3642731
Conc: 20.75 ug/ml

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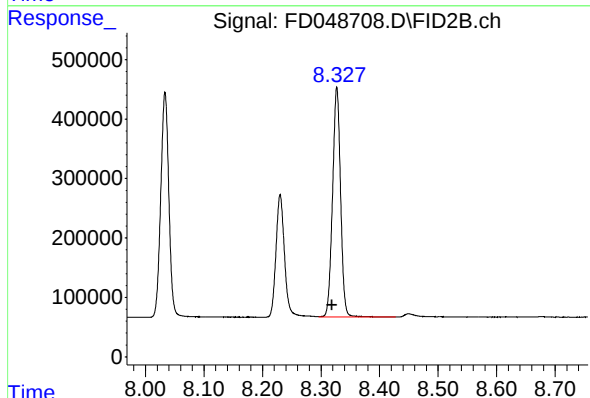
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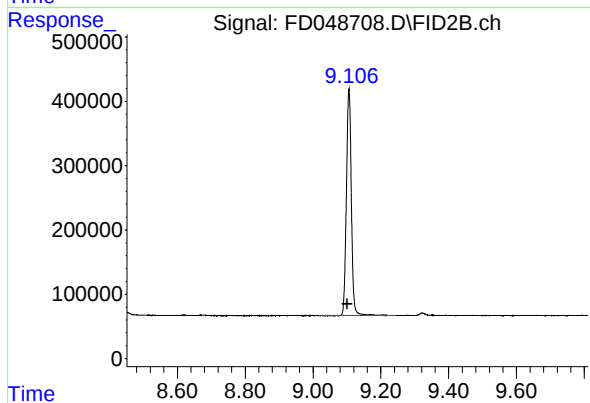
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.230 min
Delta R.T.: 0.002 min
Response: 2094948
Conc: 21.34 ug/ml



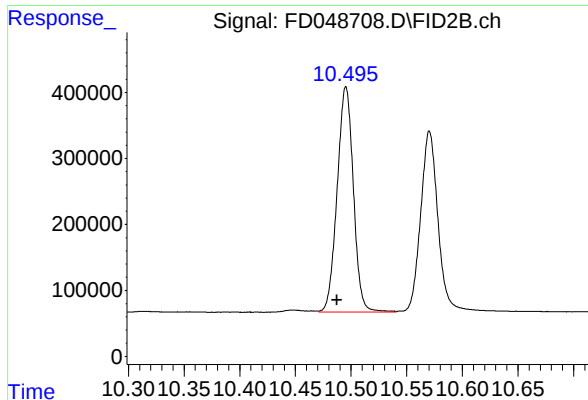
#7 Acenaphthene (C15.5)

R.T.: 8.327 min
Delta R.T.: 0.008 min
Response: 3694154
Conc: 20.83 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.106 min
Delta R.T.: 0.005 min
Response: 3571959
Conc: 21.13 ug/ml



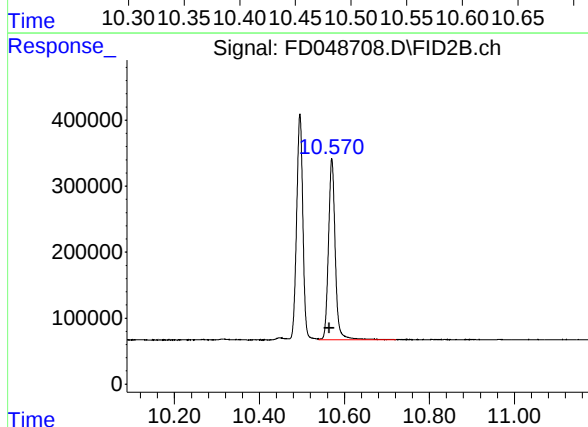
#9 Phenanthrene (C19.36)

R.T.: 10.495 min
Delta R.T.: 0.008 min
Response: 3466847
Conc: 20.97 ug/ml

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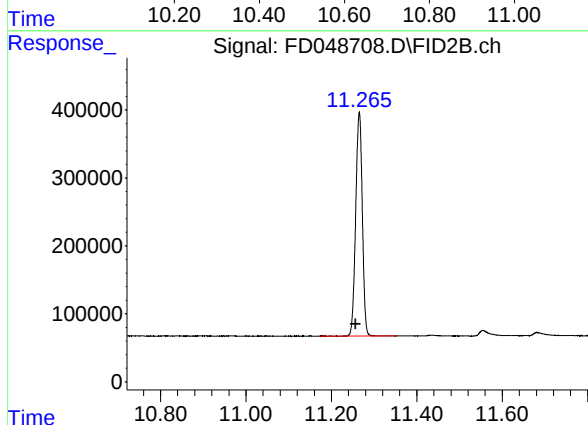
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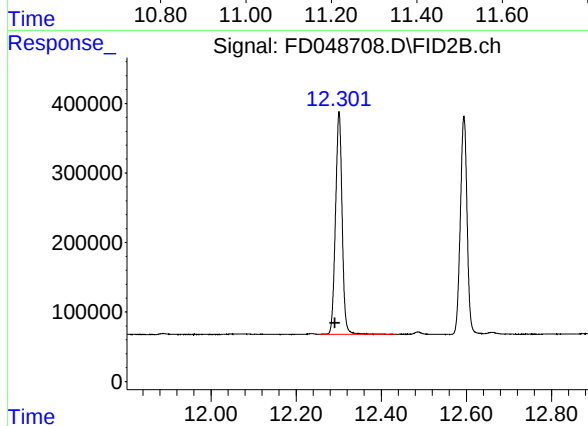
#10 Anthracene (C19.43)

R.T.: 10.571 min
Delta R.T.: 0.006 min
Response: 3026504
Conc: 18.93 ug/ml



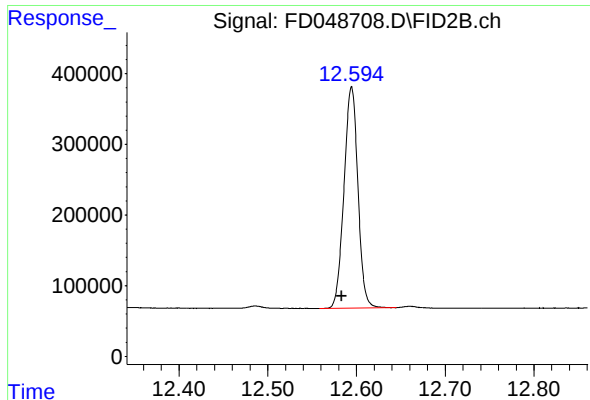
#11 ortho-Terphenyl (SURR)

R.T.: 11.265 min
Delta R.T.: 0.008 min
Response: 3547664
Conc: 20.83 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.301 min
Delta R.T.: 0.010 min
Response: 3477573
Conc: 21.13 ug/ml



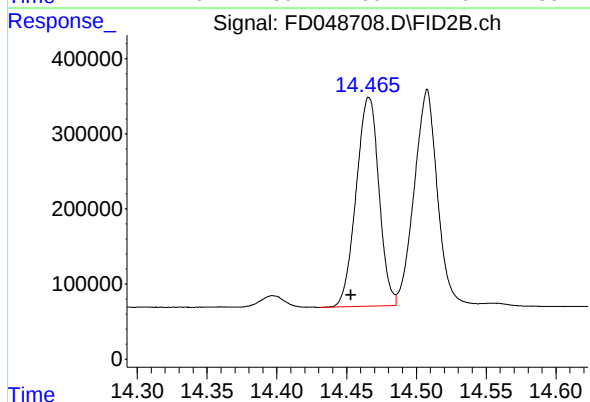
#13 Pyrene (C20.8)

R.T.: 12.594 min
Delta R.T.: 0.011 min
Response: 3415525
Conc: 21.20 ug/ml

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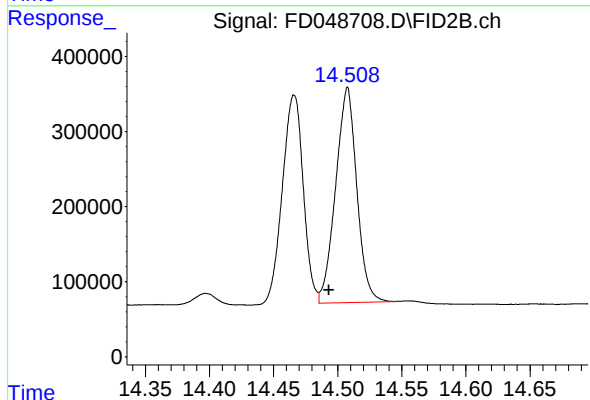
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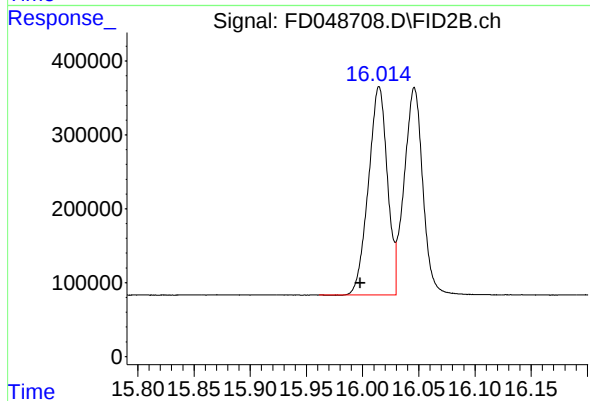
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.466 min
Delta R.T.: 0.012 min
Response: 3160512
Conc: 21.62 ug/ml



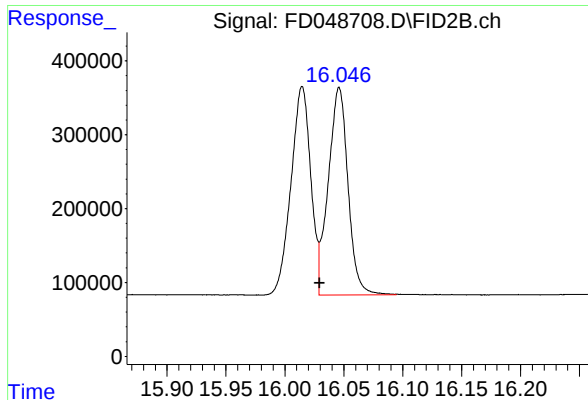
#15 Chrysene (C27.41)

R.T.: 14.507 min
Delta R.T.: 0.014 min
Response: 3282947
Conc: 19.96 ug/ml



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

R.T.: 16.015 min
Delta R.T.: 0.017 min
Response: 3313065
Conc: 21.79 ug/ml



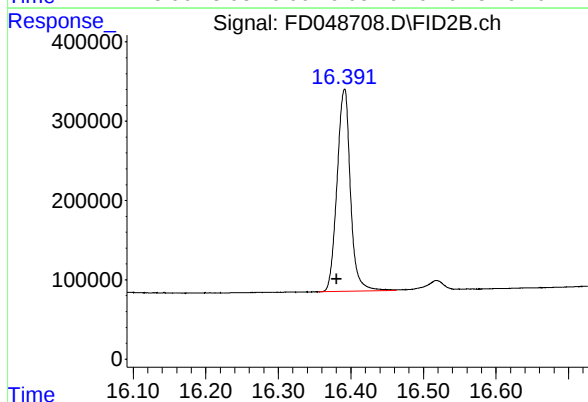
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.046 min
Delta R.T.: 0.016 min
Response: 3237832
Conc: 21.54 ug/ml

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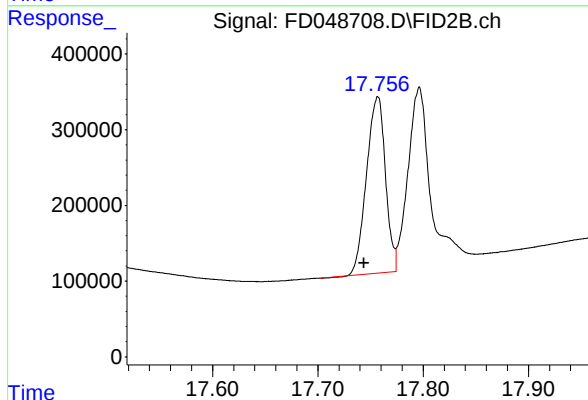
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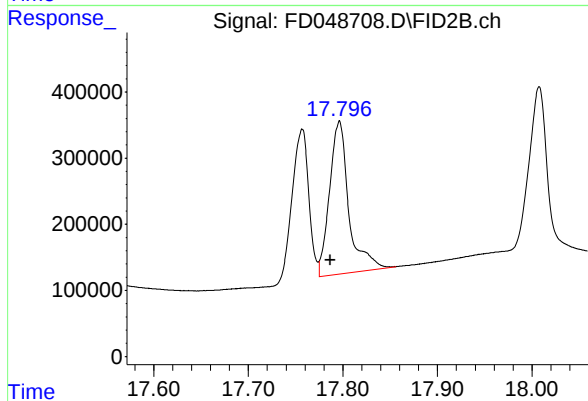
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.391 min
Delta R.T.: 0.010 min
Response: 3278875
Conc: 21.79 ug/ml m



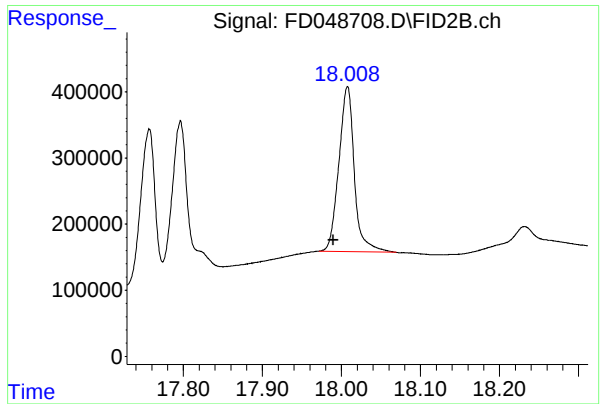
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.756 min
Delta R.T.: 0.013 min
Response: 2912413
Conc: 22.32 ug/ml



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

R.T.: 17.796 min
Delta R.T.: 0.010 min
Response: 3273411
Conc: 20.11 ug/ml m



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

R.T.: 18.008 min
Delta R.T.: 0.018 min
Response: 3407737
Conc: 22.26 ug/ml

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