

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD110424AR\
 Data File : FD048662.D
 Signal(s) : FID2B.ch
 Acq On : 05 Nov 2024 05:24
 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 11/06/2024
 Supervised By :Ankita Jodhani 11/06/2024

Integration File: autoint1.e
 Quant Time: Nov 05 05:56:54 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...	7.369	3185259	20.986 ug/ml
Spiked Amount 50.000		Recovery =	41.97%
6) S 2-Fluorobiphenyl (SURR)	8.219	2060797	20.987 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	41.97%
11) S ortho-Terphenyl (SURR)	11.252	3586393	21.054 ug/ml
Spiked Amount 50.000		Recovery =	42.11%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.192	3619561	20.805 ug/ml
2) T Naphthalene (C11.7)	5.710	3737234	20.945 ug/ml
3) T 2-Methylnaphthalene (...)	6.756	3726998	20.837 ug/ml
5) T Acenaphthylene (C15.06)	8.021	3598722	20.495 ug/ml
7) T Acenaphthene (C15.5)	8.315	3695707	20.837 ug/ml
8) T Fluorene (C16.55)	9.094	3561551	21.070 ug/ml
9) T Phenanthrene (C19.36)	10.480	3467954	20.979 ug/ml
10) T Anthracene (C19.43)	10.555	2631373	16.455 ug/ml
12) T Fluoranthene (C21.85)	12.283	3491474	21.215 ug/ml
13) T Pyrene (C20.8)	12.576	3425657	21.267 ug/ml
14) T Benzo[a]anthracene (C...	14.445	3097456	21.184 ug/ml
15) T Chrysene (C27.41)	14.487	3302156	20.075 ug/ml
16) T benzo[b]fluoranthene ...	15.991	3328034	21.891 ug/ml
17) T Bnezo[k]fluoranthene ...	16.023	3307591	22.006 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.368	3180892	21.136 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.732	2868106	21.982 ug/ml
20) T Dibenz[a,h]anthracene...	17.771	3791804	23.300 ug/mlm
21) T Benzo[g,h,i]perylene ...	17.981	3199803	20.901 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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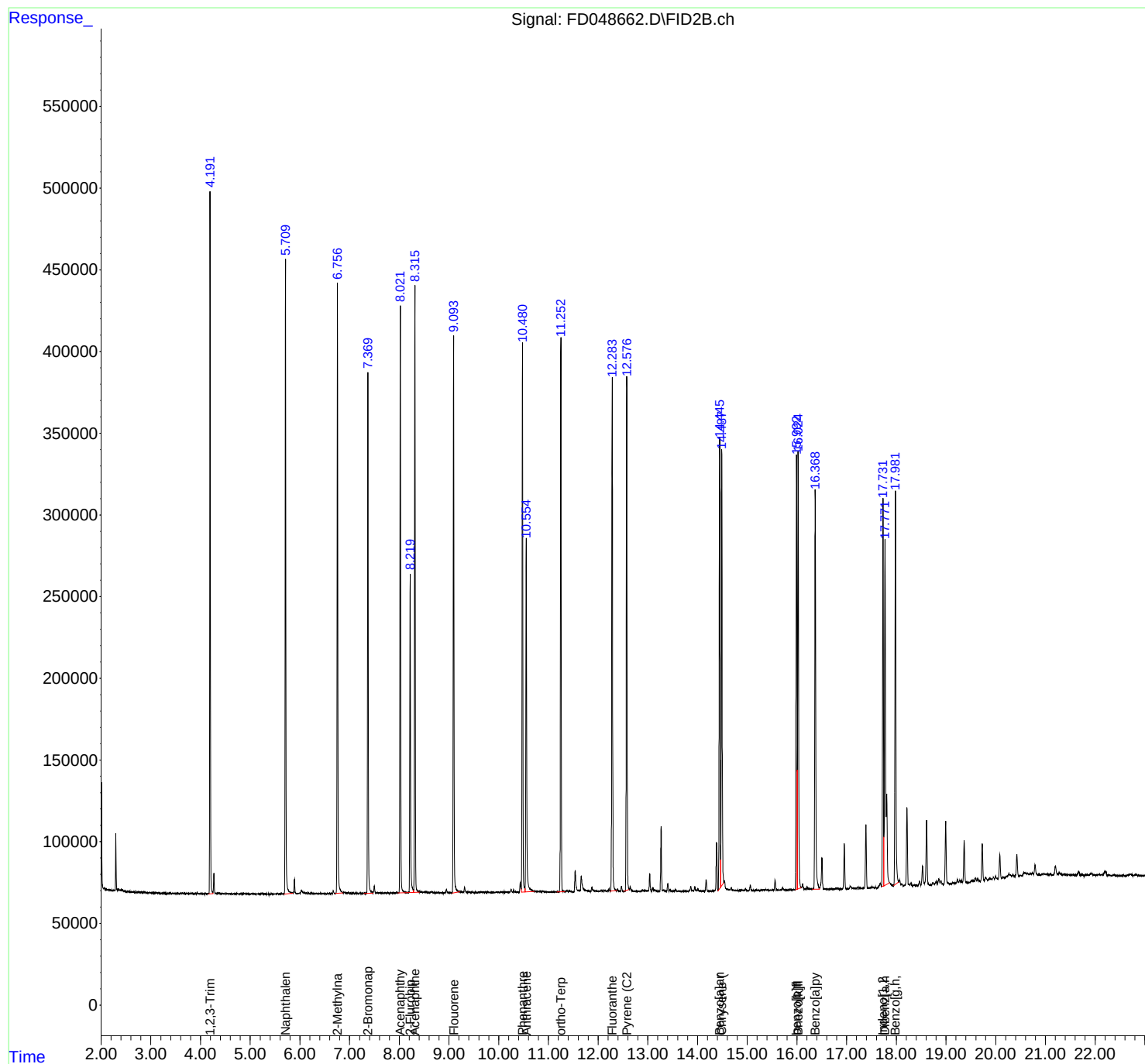
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20 PPM AROMATIC HC STD

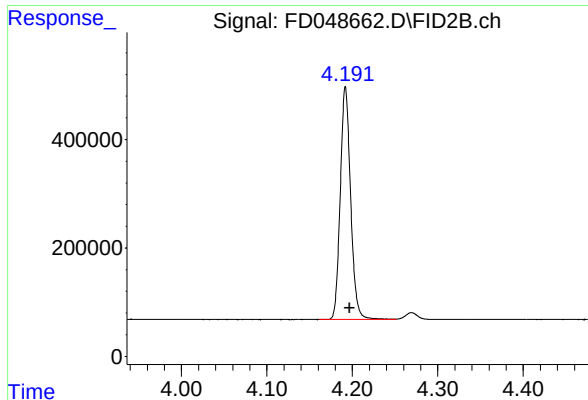
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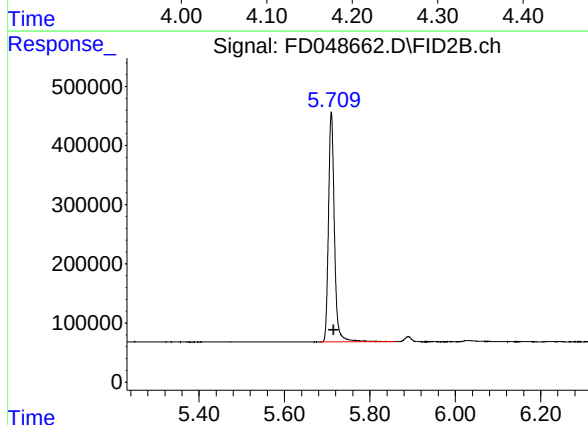
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.192 min
Delta R.T.: -0.005 min
Response: 3619561
Conc: 20.81 ug/ml

Instrument :
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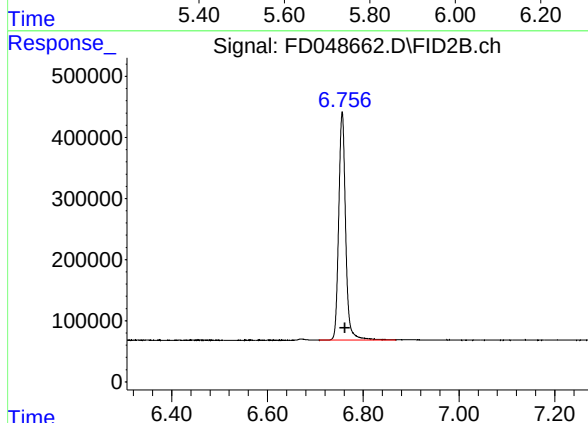
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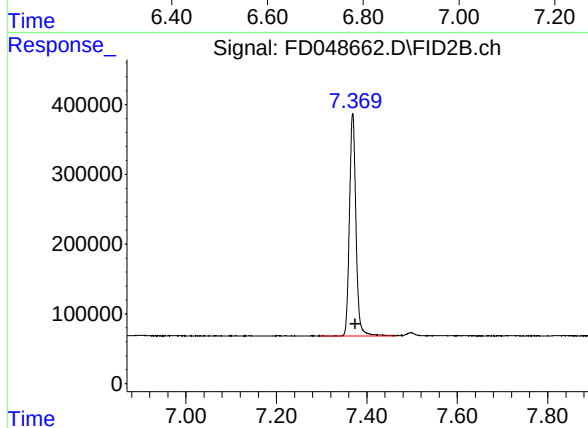
#2 Naphthalene (C11.7)

R.T.: 5.710 min
Delta R.T.: -0.006 min
Response: 3737234
Conc: 20.94 ug/ml



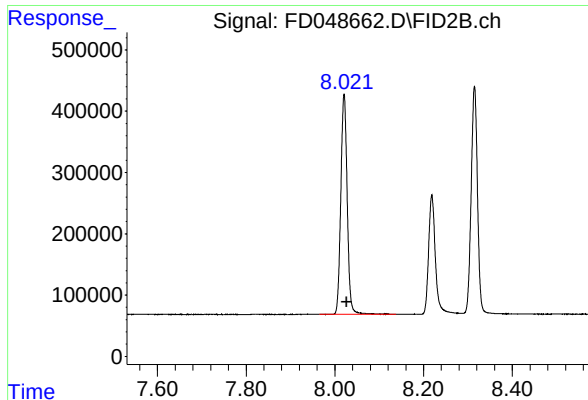
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.756 min
Delta R.T.: -0.006 min
Response: 3726998
Conc: 20.84 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.369 min
Delta R.T.: -0.006 min
Response: 3185259
Conc: 20.99 ug/ml



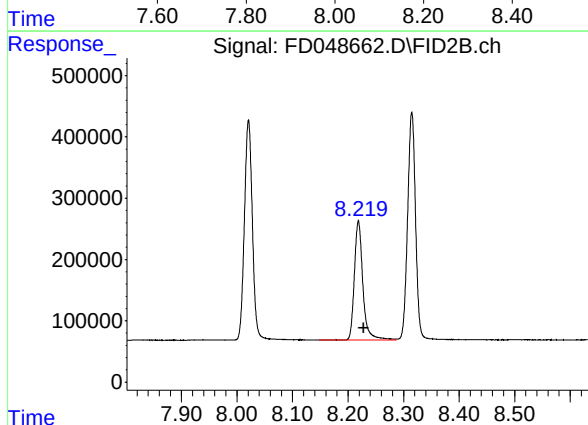
#5 Acenaphthylene (C15.06)

R.T.: 8.021 min
Delta R.T.: -0.005 min
Response: 3598722
Conc: 20.49 ug/ml

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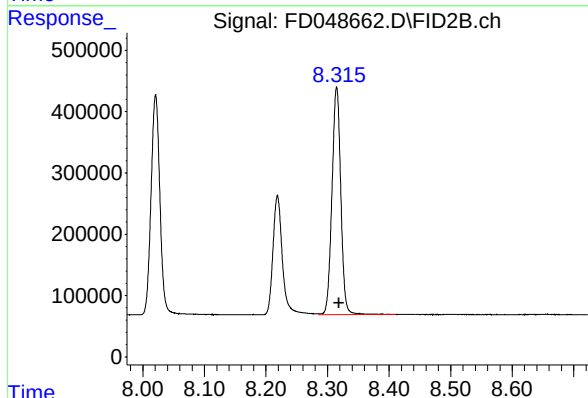
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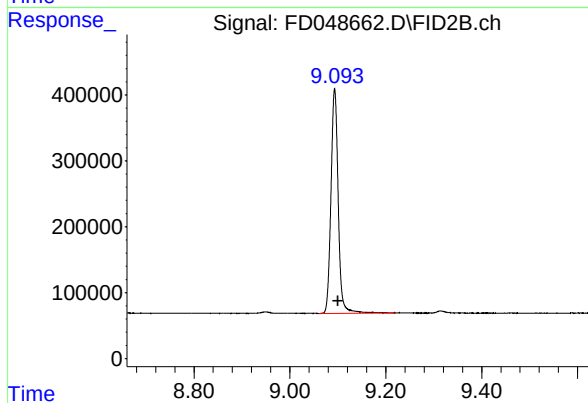
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.219 min
Delta R.T.: -0.009 min
Response: 2060797
Conc: 20.99 ug/ml



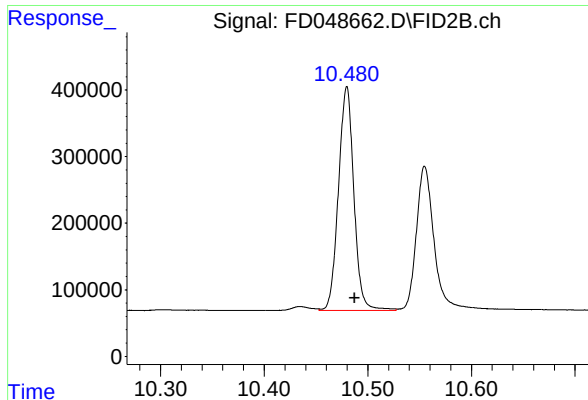
#7 Acenaphthene (C15.5)

R.T.: 8.315 min
Delta R.T.: -0.004 min
Response: 3695707
Conc: 20.84 ug/ml



#8 Fluorene (C16.55)

R.T.: 9.094 min
Delta R.T.: -0.007 min
Response: 3561551
Conc: 21.07 ug/ml



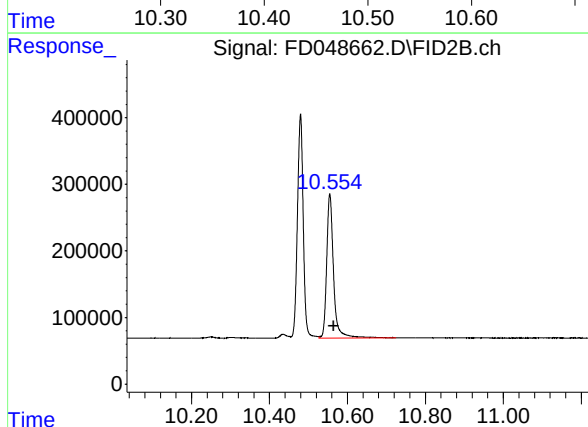
#9 Phenanthrene (C19.36)

R.T.: 10.480 min
Delta R.T.: -0.008 min
Response: 3467954
Conc: 20.98 ug/ml

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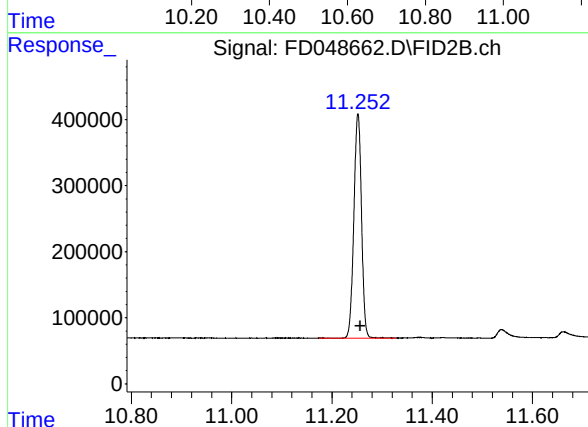
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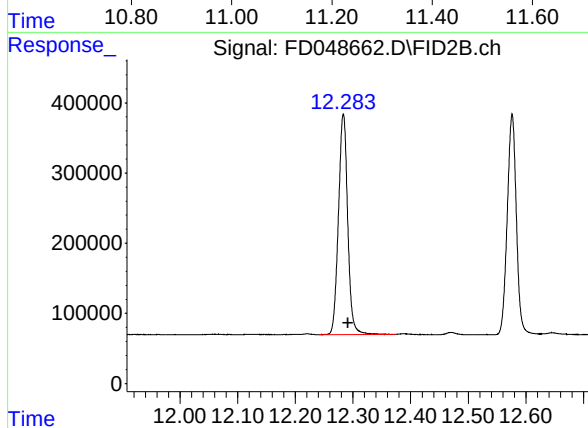
#10 Anthracene (C19.43)

R.T.: 10.555 min
Delta R.T.: -0.010 min
Response: 2631373
Conc: 16.46 ug/ml



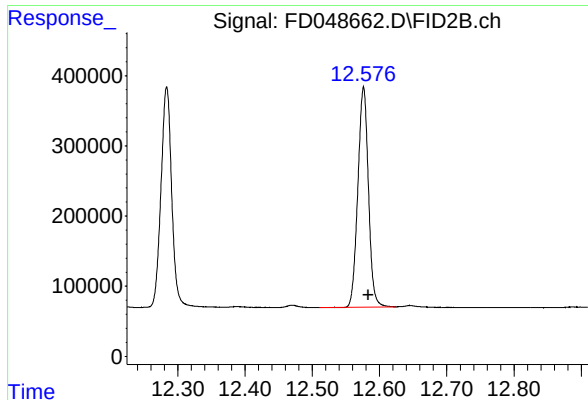
#11 ortho-Terphenyl (SURR)

R.T.: 11.252 min
Delta R.T.: -0.005 min
Response: 3586393
Conc: 21.05 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.283 min
Delta R.T.: -0.008 min
Response: 3491474
Conc: 21.21 ug/ml



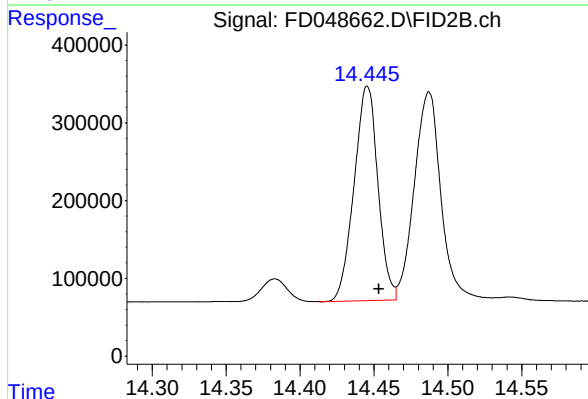
#13 Pyrene (C20.8)

R.T.: 12.576 min
Delta R.T.: -0.007 min
Response: 3425657
Conc: 21.27 ug/ml

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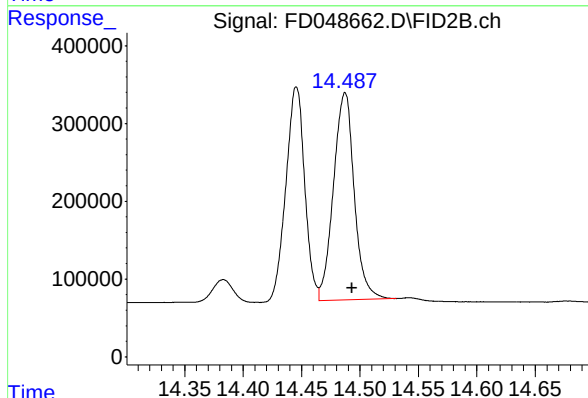
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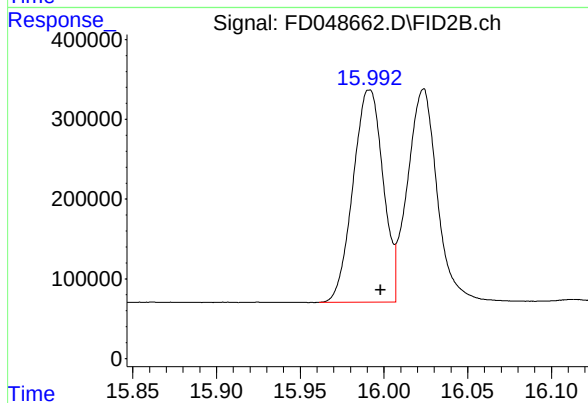
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.445 min
Delta R.T.: -0.008 min
Response: 3097456
Conc: 21.18 ug/ml



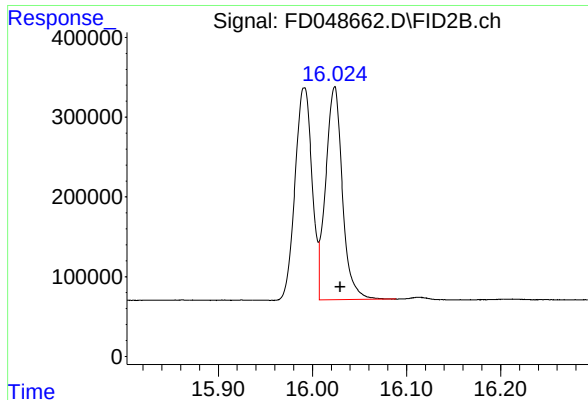
#15 Chrysene (C27.41)

R.T.: 14.487 min
Delta R.T.: -0.006 min
Response: 3302156
Conc: 20.07 ug/ml



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

R.T.: 15.991 min
Delta R.T.: -0.007 min
Response: 3328034
Conc: 21.89 ug/ml



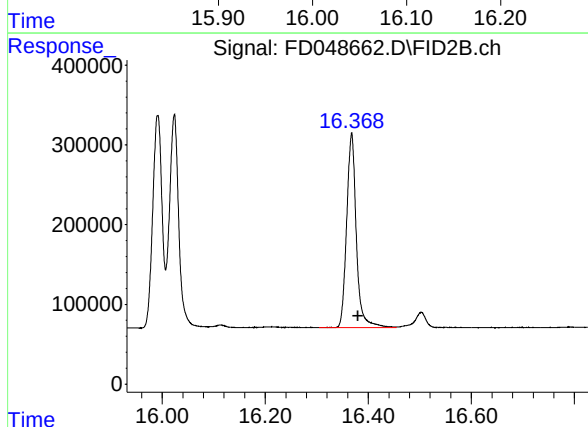
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.023 min
Delta R.T.: -0.006 min
Response: 3307591
Conc: 22.01 ug/ml

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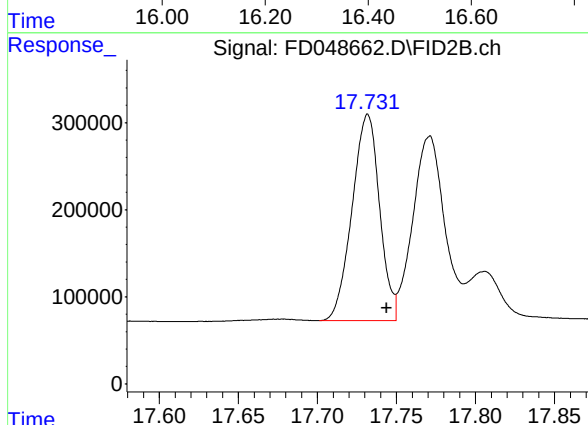
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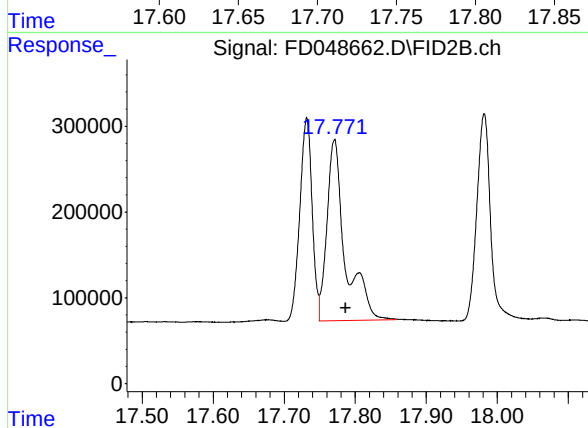
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.368 min
Delta R.T.: -0.013 min
Response: 3180892
Conc: 21.14 ug/ml



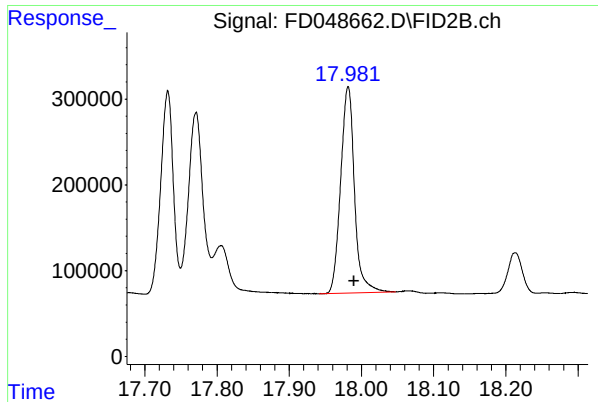
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.732 min
Delta R.T.: -0.012 min
Response: 2868106
Conc: 21.98 ug/ml



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

R.T.: 17.771 min
Delta R.T.: -0.015 min
Response: 3791804
Conc: 23.30 ug/ml m



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

R.T.: 17.981 min
Delta R.T.: -0.008 min
Response: 3199803
Conc: 20.90 ug/ml

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