

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD101724AR\
 Data File : FD048544.D
 Signal(s) : FID2B.ch
 Acq On : 17 Oct 2024 19:24
 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 10/18/2024
 Supervised By :Ankita Jodhani 10/18/2024

Integration File: autoint1.e
 Quant Time: Oct 18 02:57:48 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 093024.M
 Quant Title : GC Extractables
 QLast Update : Mon Sep 30 14:17:34 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...	7.373	3350273	20.235 ug/ml
Spiked Amount 50.000		Recovery =	40.47%
6) S 2-Fluorobiphenyl (SURR)	8.223	2202692	21.240 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	42.48%
11) S ortho-Terphenyl (SURR)	11.259	3756598	20.417 ug/ml
Spiked Amount 50.000		Recovery =	40.83%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.196	3807567	21.726 ug/ml
2) T Naphthalene (C11.7)	5.714	3957715	21.197 ug/ml
3) T 2-Methylnaphthalene (...)	6.761	3951143	20.907 ug/ml
5) T Acenaphthylene (C15.06)	8.026	3861578	20.129 ug/ml
7) T Acenaphthene (C15.5)	8.320	3905129	20.645 ug/ml
8) T Fluorene (C16.55)	9.099	3780409	20.924 ug/ml
9) T Phenanthrene (C19.36)	10.486	3698029	20.866 ug/ml
10) T Anthracene (C19.43)	10.561	3365813	18.915 ug/ml
12) T Fluoranthene (C21.85)	12.289	3637704	20.112 ug/ml
13) T Pyrene (C20.8)	12.582	3557185	19.865 ug/ml
14) T Benzo[a]anthracene (C...	14.450	3252537	20.352 ug/ml
15) T Chrysene (C27.41)	14.492	3398872	18.222 ug/ml
16) T benzo[b]fluoranthene ...	15.997	3360738	20.180 ug/mlm
17) T Bnezo[k]fluoranthene ...	16.029	3220802	18.974 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.373	3328461	20.365 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.736	2903462	22.073 ug/mlm
20) T Dibenz[a,h]anthracene...	17.777	3505462	20.949 ug/ml
21) T Benzo[g,h,i]perylene ...	17.987	3351216	20.632 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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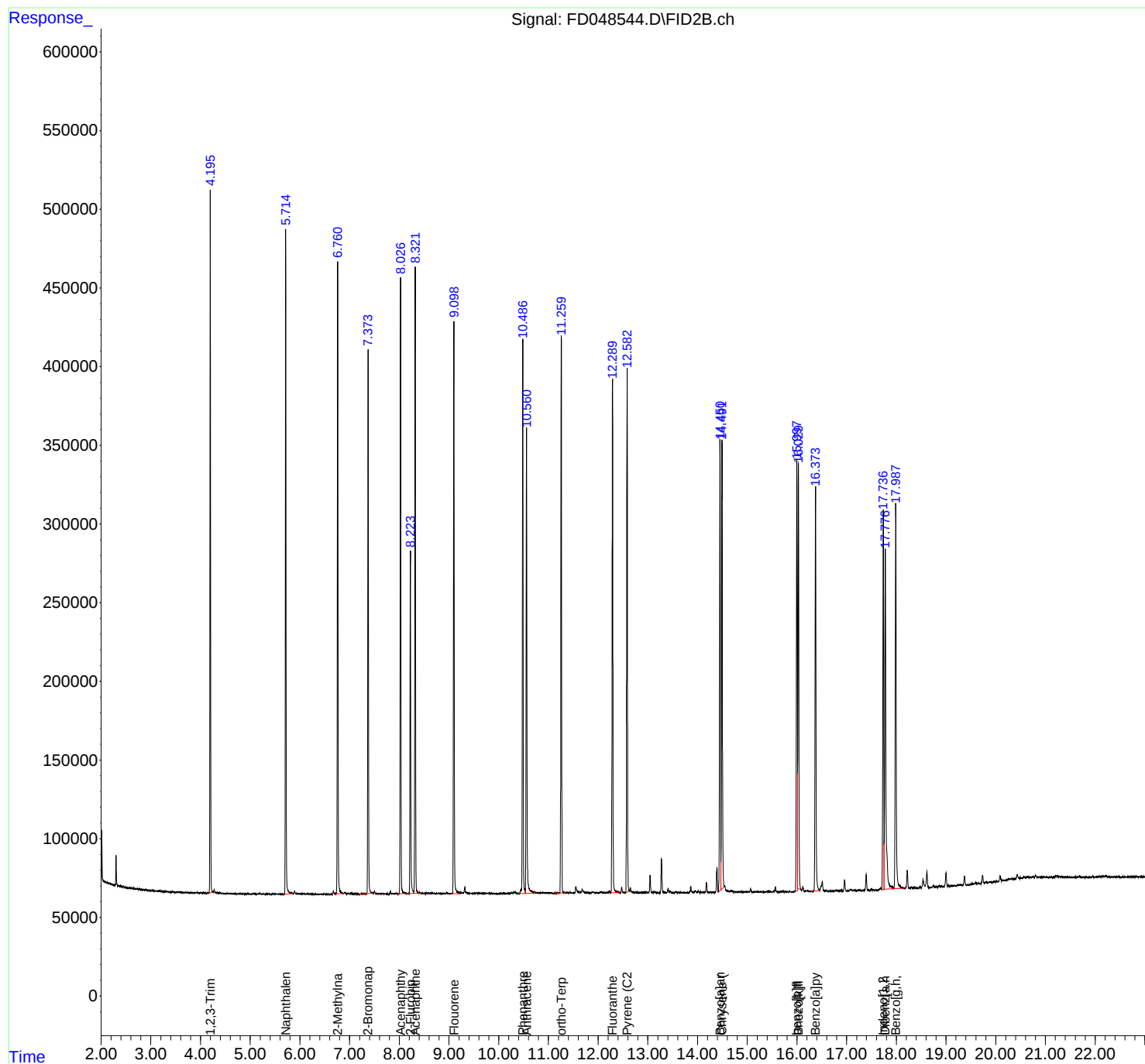
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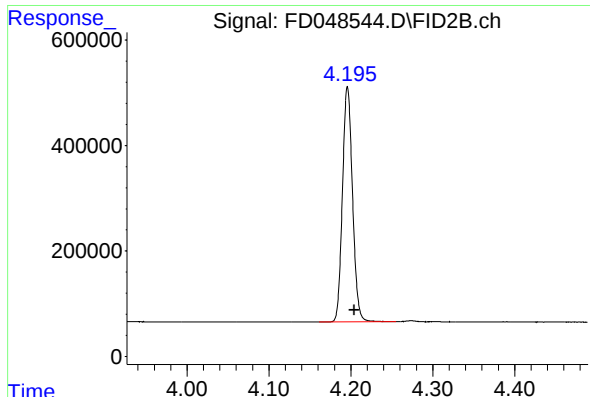
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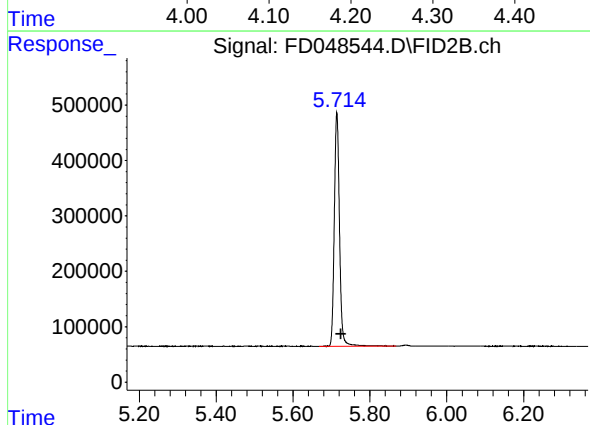
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.196 min
Delta R.T.: -0.008 min
Response: 3807567
Conc: 21.73 ug/ml

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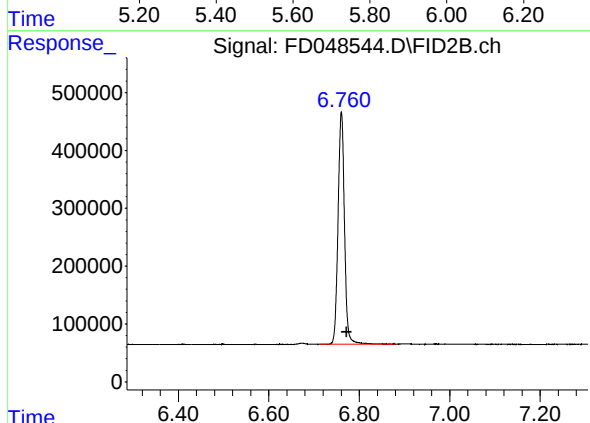
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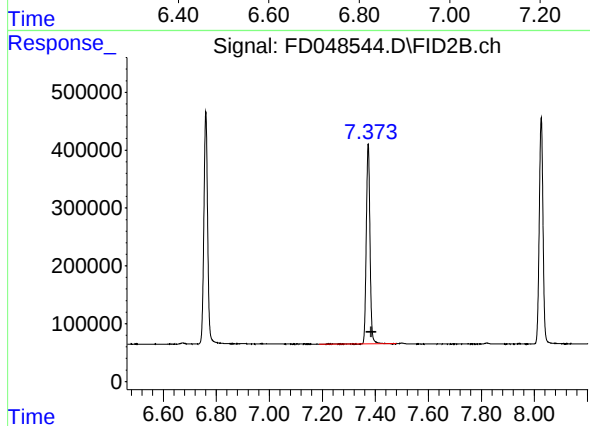
#2 Naphthalene (C11.7)

R.T.: 5.714 min
Delta R.T.: -0.010 min
Response: 3957715
Conc: 21.20 ug/ml



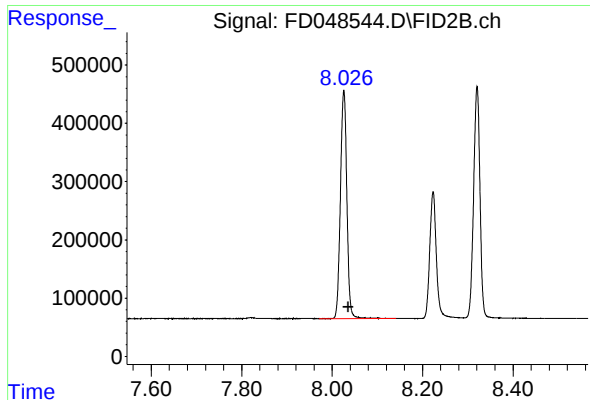
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.761 min
Delta R.T.: -0.011 min
Response: 3951143
Conc: 20.91 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.373 min
Delta R.T.: -0.011 min
Response: 3350273
Conc: 20.24 ug/ml



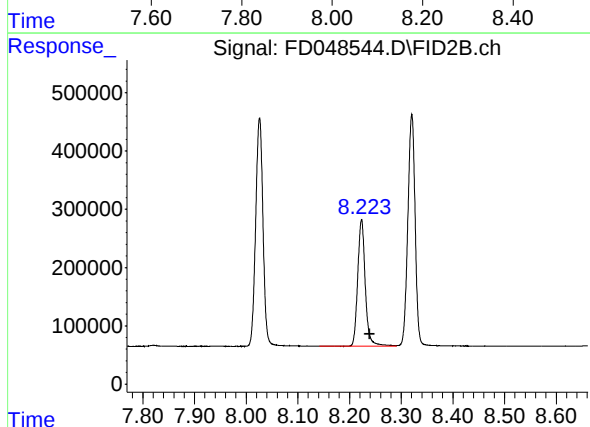
#5 Acenaphthylene (C15.06)

R.T.: 8.026 min
Delta R.T.: -0.010 min
Response: 3861578
Conc: 20.13 ug/ml

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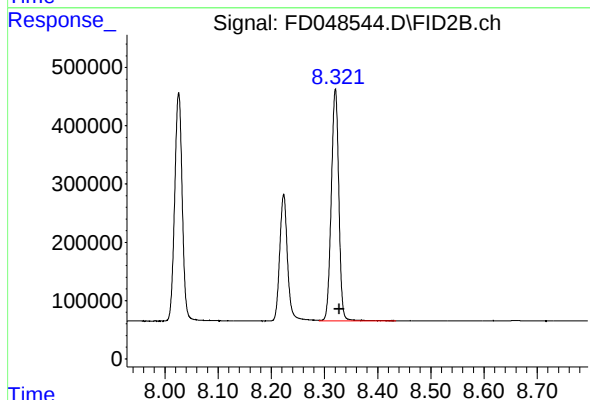
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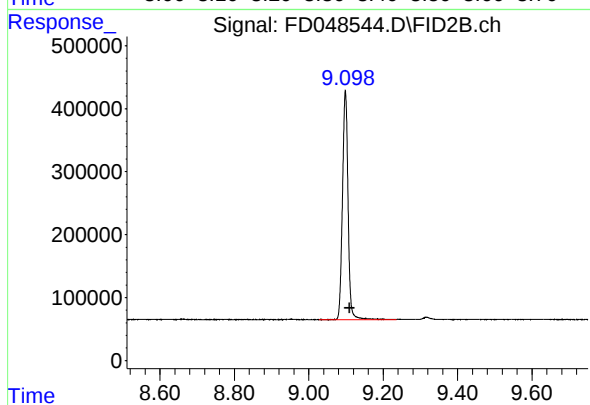
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.223 min
Delta R.T.: -0.016 min
Response: 2202692
Conc: 21.24 ug/ml



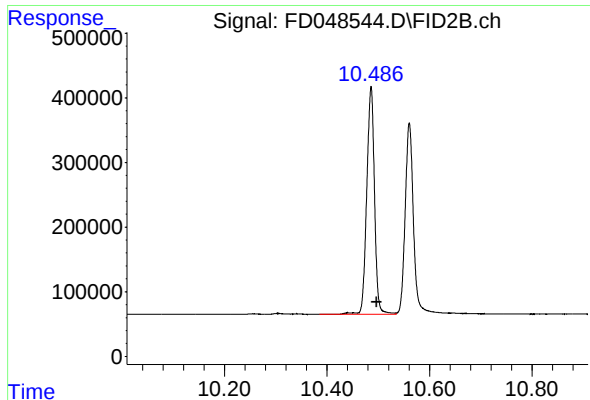
#7 Acenaphthene (C15.5)

R.T.: 8.320 min
Delta R.T.: -0.007 min
Response: 3905129
Conc: 20.65 ug/ml



#8 Fluorene (C16.55)

R.T.: 9.099 min
Delta R.T.: -0.012 min
Response: 3780409
Conc: 20.92 ug/ml



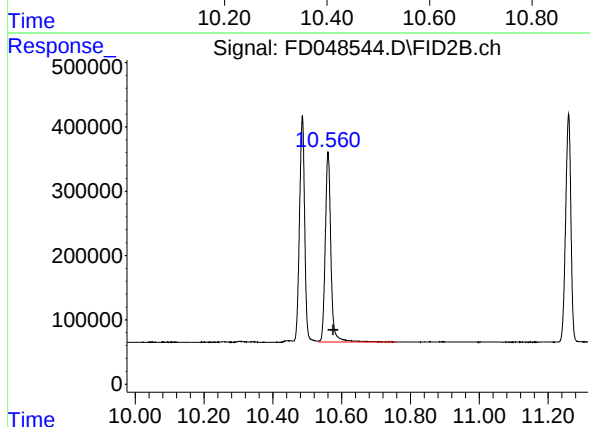
#9 Phenanthrene (C19.36)

R.T.: 10.486 min
Delta R.T.: -0.011 min
Response: 3698029
Conc: 20.87 ug/ml

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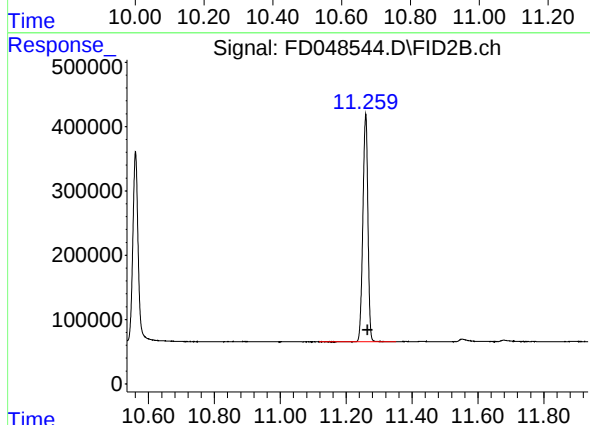
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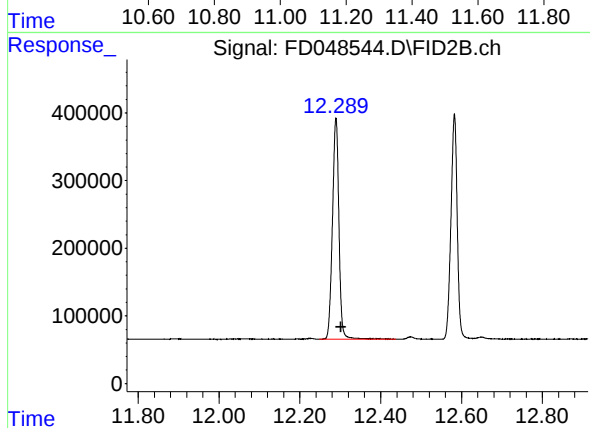
#10 Anthracene (C19.43)

R.T.: 10.561 min
Delta R.T.: -0.015 min
Response: 3365813
Conc: 18.92 ug/ml



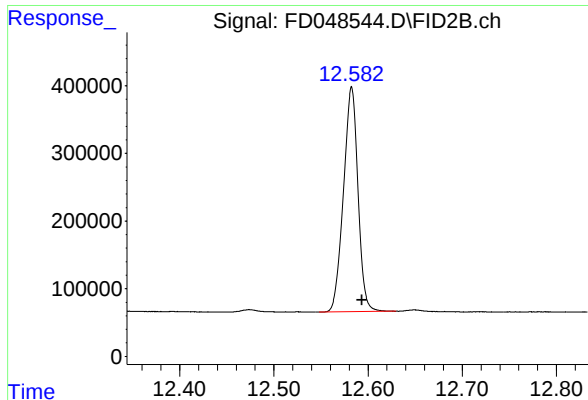
#11 ortho-Terphenyl (SURR)

R.T.: 11.259 min
Delta R.T.: -0.006 min
Response: 3756598
Conc: 20.42 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.289 min
Delta R.T.: -0.012 min
Response: 3637704
Conc: 20.11 ug/ml



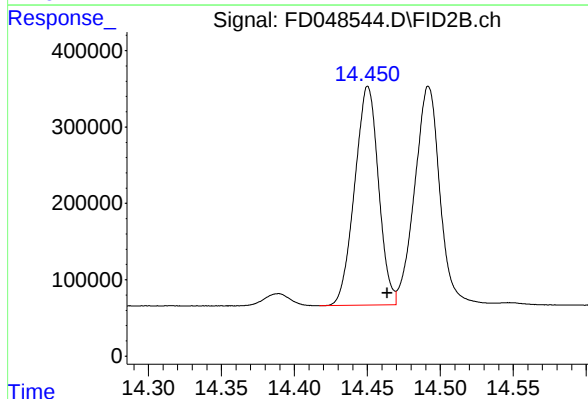
#13 Pyrene (C20.8)

R.T.: 12.582 min
Delta R.T.: -0.011 min
Response: 3557185
Conc: 19.86 ug/ml

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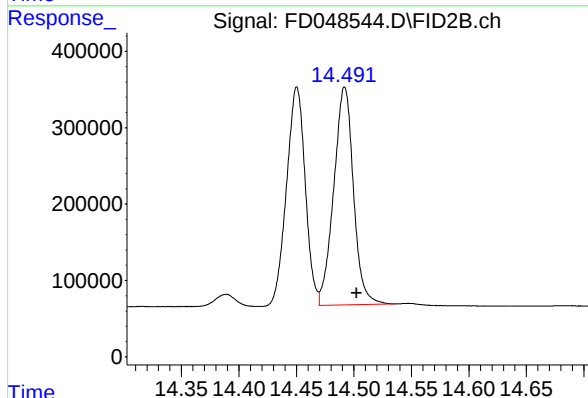
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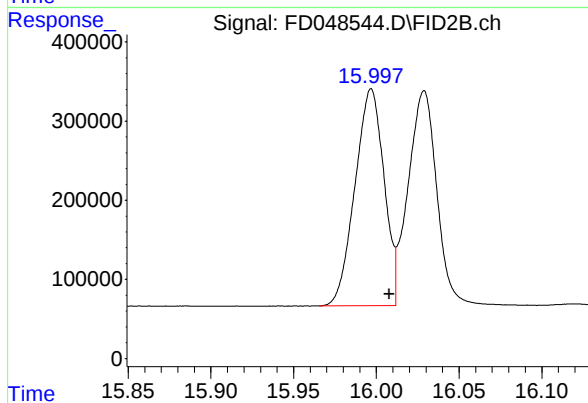
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.450 min
Delta R.T.: -0.013 min
Response: 3252537
Conc: 20.35 ug/ml



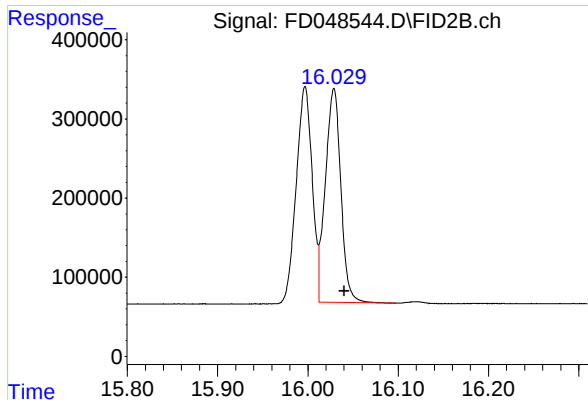
#15 Chrysene (C27.41)

R.T.: 14.492 min
Delta R.T.: -0.010 min
Response: 3398872
Conc: 18.22 ug/ml



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

R.T.: 15.997 min
Delta R.T.: -0.011 min
Response: 3360738
Conc: 20.18 ug/ml m



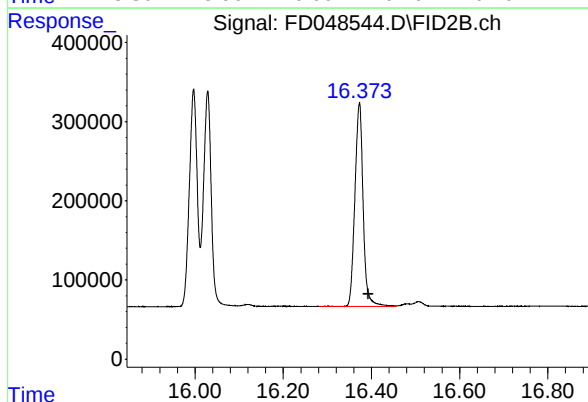
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.029 min
Delta R.T.: -0.012 min
Response: 3220802
Conc: 18.97 ug/ml

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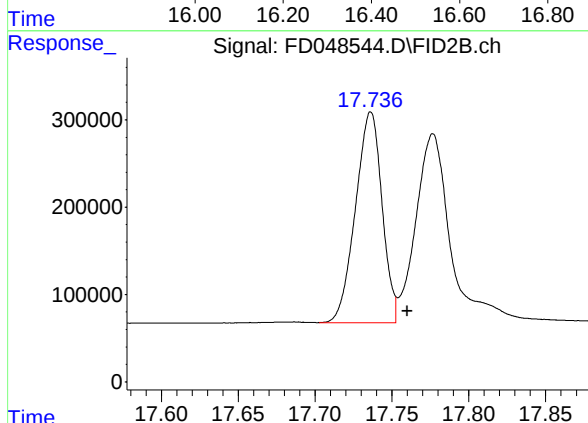
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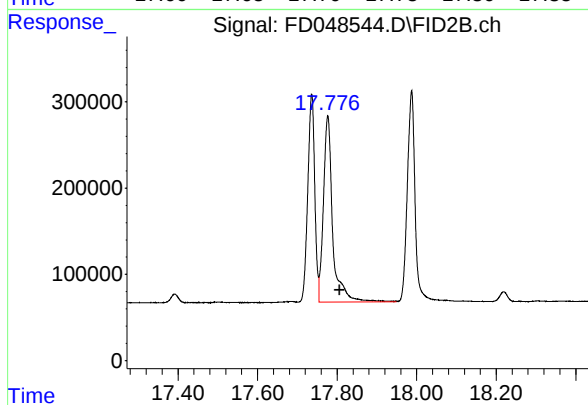
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.373 min
Delta R.T.: -0.021 min
Response: 3328461
Conc: 20.36 ug/ml



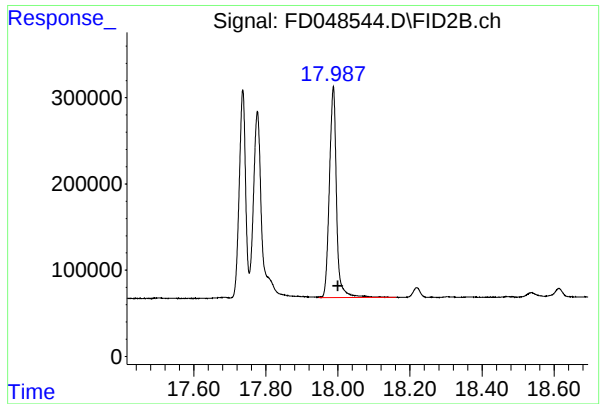
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.736 min
Delta R.T.: -0.024 min
Response: 2903462
Conc: 22.07 ug/ml m



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

R.T.: 17.777 min
Delta R.T.: -0.030 min
Response: 3505462
Conc: 20.95 ug/ml



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

R.T.: 17.987 min
Delta R.T.: -0.013 min
Response: 3351216
Conc: 20.63 ug/ml

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