

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD101724AR\
 Data File : FD048538.D
 Signal(s) : FID2B.ch
 Acq On : 17 Oct 2024 13:54
 Operator : YP/AJ
 Sample : 20 PPM AROMATIC HC STD
 Misc :
 ALS Vial : 53 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 02:56:54 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	3086456	18.642 ug/ml
Spiked Amount 50.000		Recovery =	37.28%
6) S 2-Fluorobiphenyl (SURR)	8.223	2025992	19.536 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	39.07%
11) S ortho-Terphenyl (SURR)	11.258	3456869	18.788 ug/ml
Spiked Amount 50.000		Recovery =	37.58%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.196	3522341	20.098 ug/ml
2) T Naphthalene (C11.7)	5.714	3634267	19.464 ug/ml
3) T 2-Methylnaphthalene (...)	6.761	3636036	19.239 ug/ml
5) T Acenaphthylene (C15.06)	8.026	3565455	18.585 ug/ml
7) T Acenaphthene (C15.5)	8.320	3598529	19.024 ug/ml
8) T Flouorene (C16.55)	9.098	3429280	18.981 ug/ml
9) T Phenanthrene (C19.36)	10.485	3385106	19.100 ug/ml
10) T Anthracene (C19.43)	10.560	3141369	17.654 ug/ml
12) T Fluoranthene (C21.85)	12.289	3323769	18.376 ug/ml
13) T Pyrene (C20.8)	12.581	3264797	18.232 ug/ml
14) T Benzo[a]anthracene (C...	14.451	2981281	18.655 ug/ml
15) T Chrysene (C27.41)	14.492	3225076	17.290 ug/ml
16) T benzo[b]fluoranthene ...	15.997	3092870	18.571 ug/mlm
17) T Bnezo[k]fluoranthene ...	16.029	2928065	17.249 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.373	3052759	18.678 ug/mlm
19) T Indeno[1,2,3-cd]pyren...	17.735	2682297	20.392 ug/mlm
20) T Dibenz[a,h]anthracene...	17.776	3141239	18.772 ug/ml
21) T Benzo[g,h,i]perylene ...	17.986	3081877	18.974 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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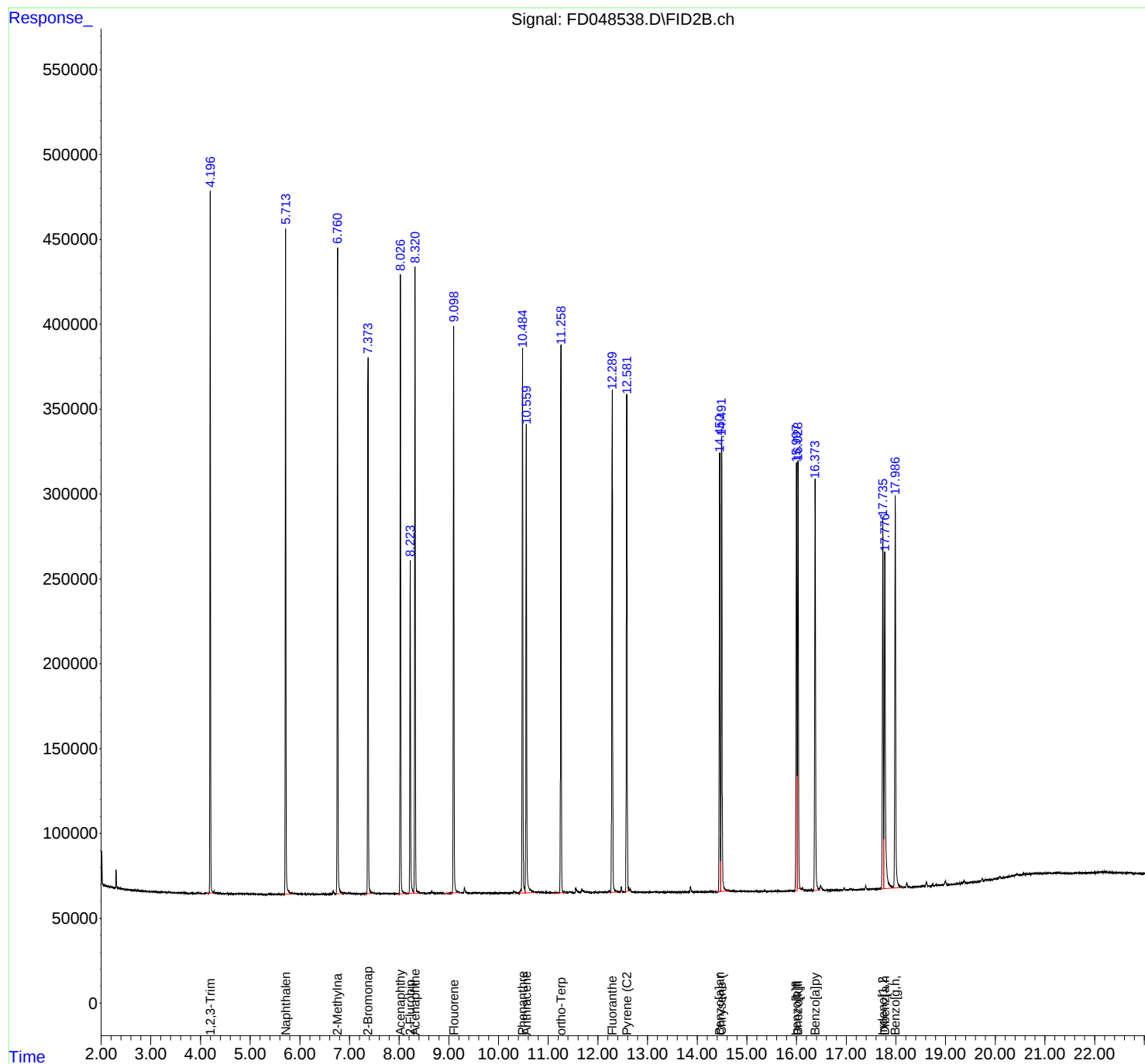
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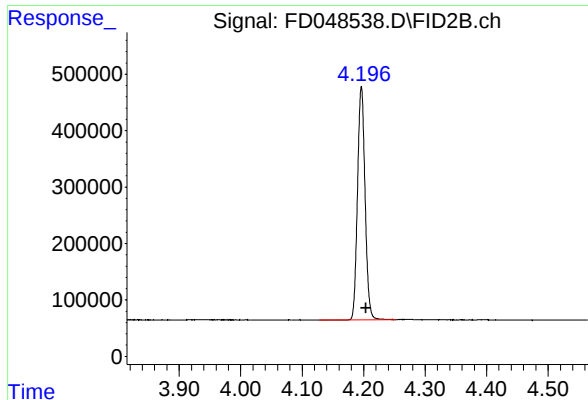
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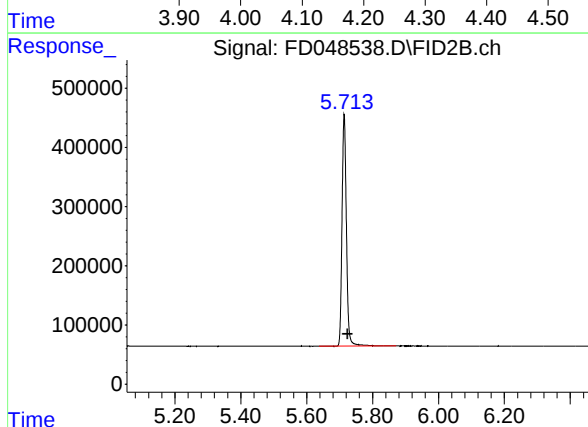
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.196 min
Delta R.T.: -0.008 min
Response: 3522341
Conc: 20.10 ug/ml

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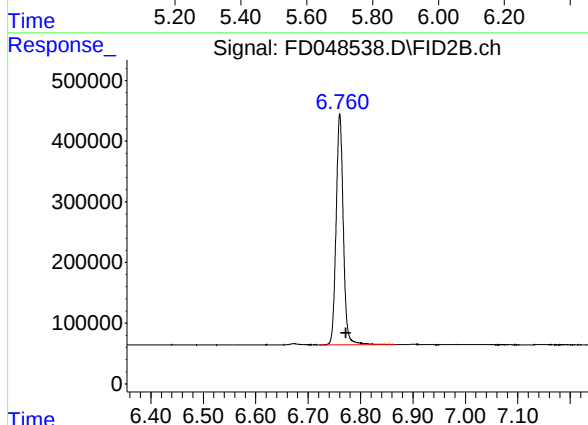
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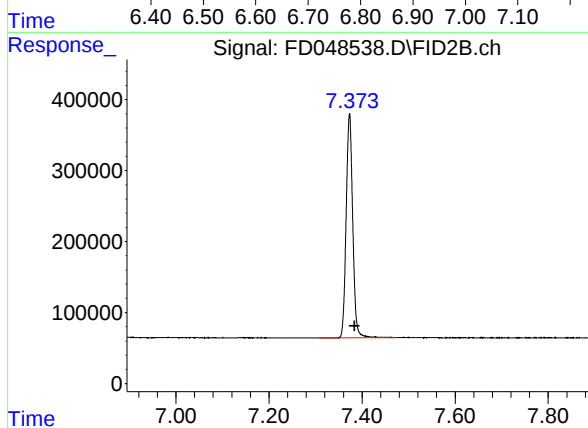
#2 Naphthalene (C11.7)

R.T.: 5.714 min
Delta R.T.: -0.011 min
Response: 3634267
Conc: 19.46 ug/ml



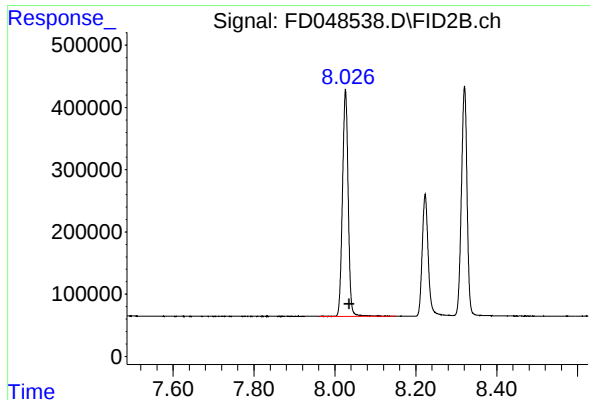
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.761 min
Delta R.T.: -0.011 min
Response: 3636036
Conc: 19.24 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.373 min
Delta R.T.: -0.011 min
Response: 3086456
Conc: 18.64 ug/ml



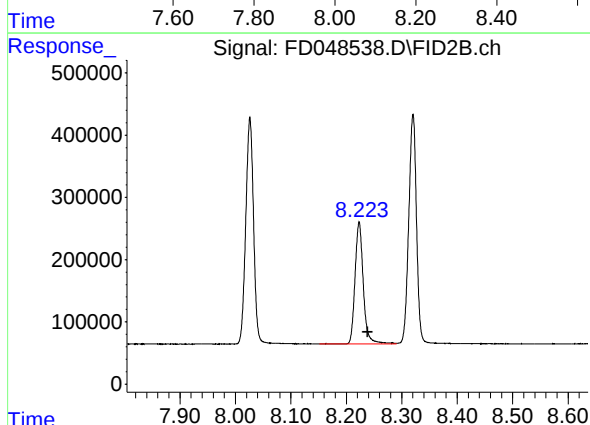
#5 Acenaphthylene (C15.06)

R.T.: 8.026 min
Delta R.T.: -0.009 min
Response: 3565455
Conc: 18.59 ug/ml

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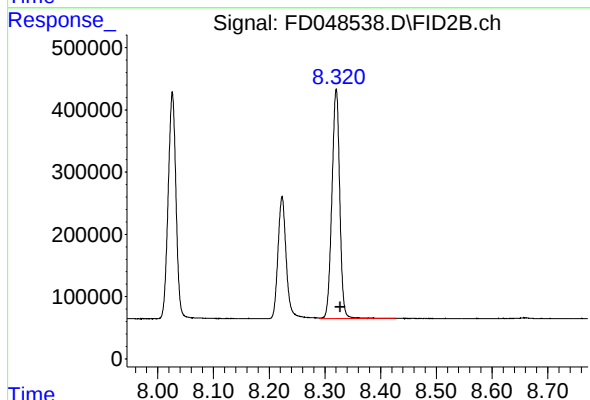
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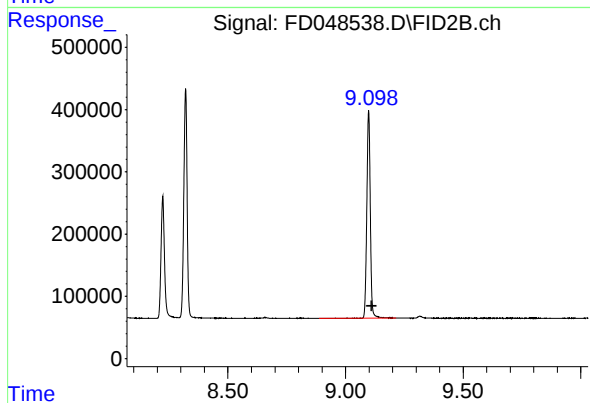
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.223 min
Delta R.T.: -0.016 min
Response: 2025992
Conc: 19.54 ug/ml



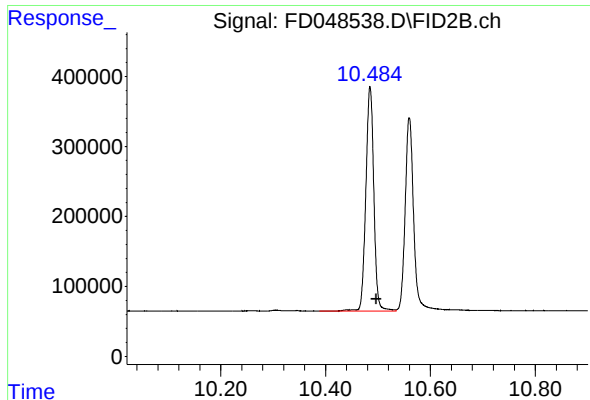
#7 Acenaphthene (C15.5)

R.T.: 8.320 min
Delta R.T.: -0.007 min
Response: 3598529
Conc: 19.02 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.098 min
Delta R.T.: -0.013 min
Response: 3429280
Conc: 18.98 ug/ml



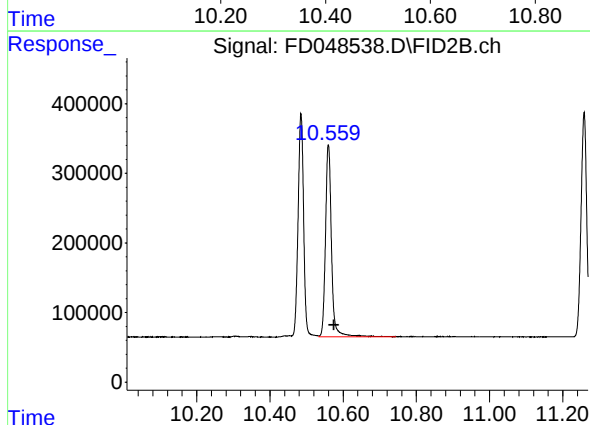
#9 Phenanthrene (C19.36)

R.T.: 10.485 min
Delta R.T.: -0.012 min
Response: 3385106
Conc: 19.10 ug/ml

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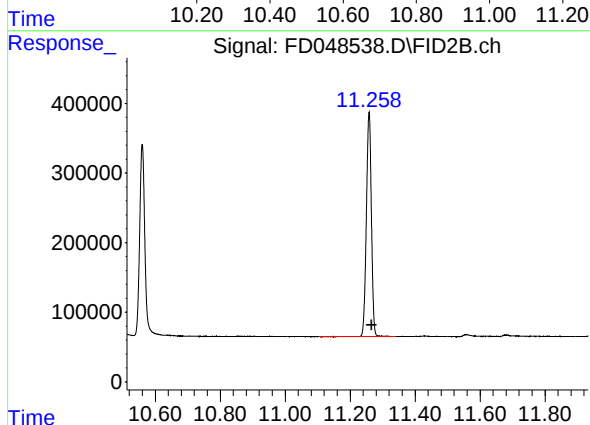
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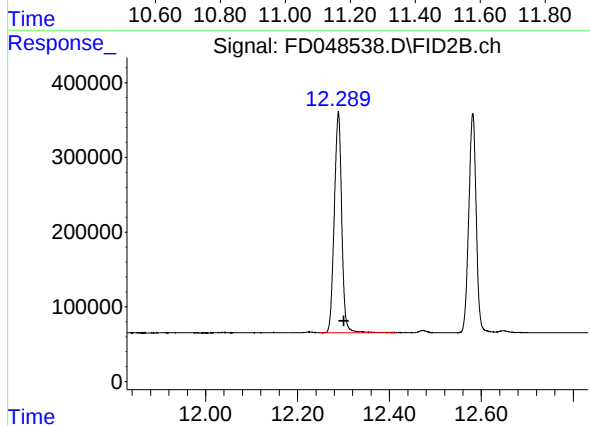
#10 Anthracene (C19.43)

R.T.: 10.560 min
Delta R.T.: -0.015 min
Response: 3141369
Conc: 17.65 ug/ml



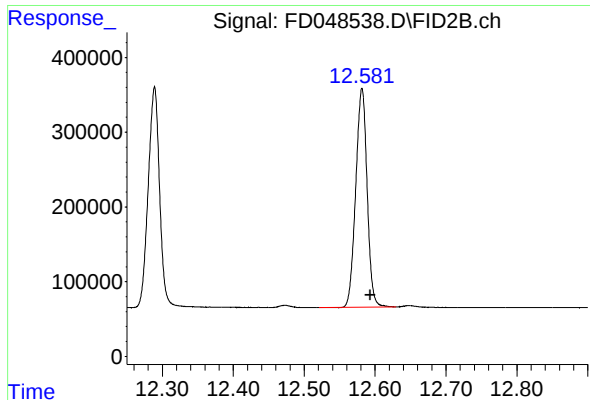
#11 ortho-Terphenyl (SURR)

R.T.: 11.258 min
Delta R.T.: -0.007 min
Response: 3456869
Conc: 18.79 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.289 min
Delta R.T.: -0.013 min
Response: 3323769
Conc: 18.38 ug/ml



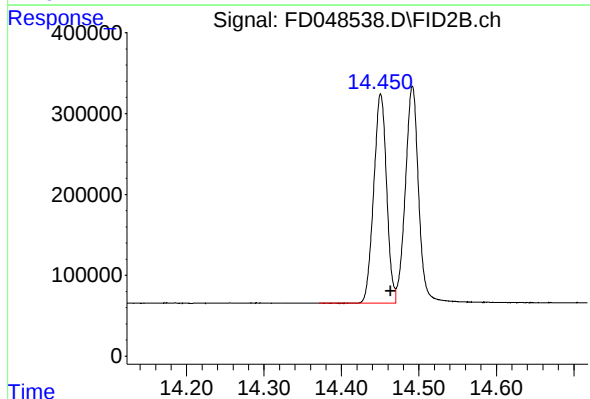
#13 Pyrene (C20.8)

R.T.: 12.581 min
Delta R.T.: -0.012 min
Response: 3264797
Conc: 18.23 ug/ml

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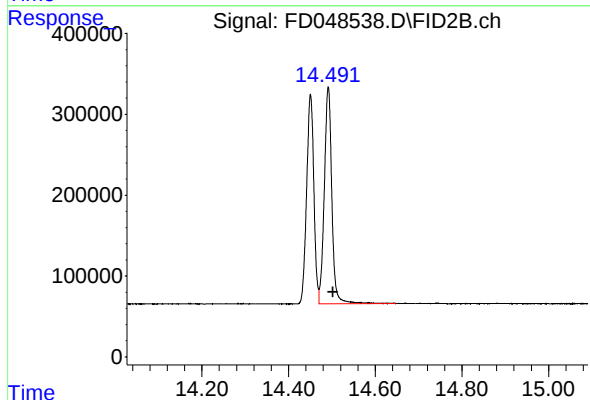
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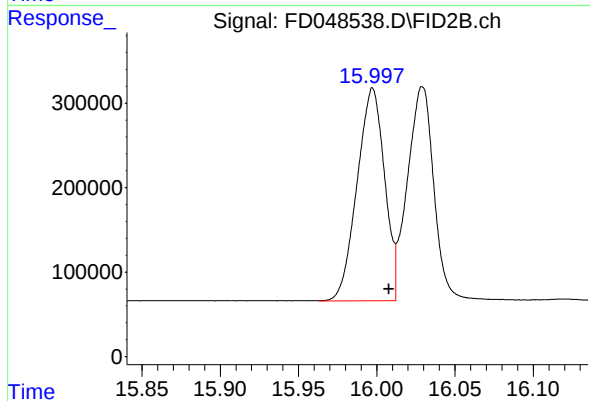
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.451 min
Delta R.T.: -0.013 min
Response: 2981281
Conc: 18.65 ug/ml



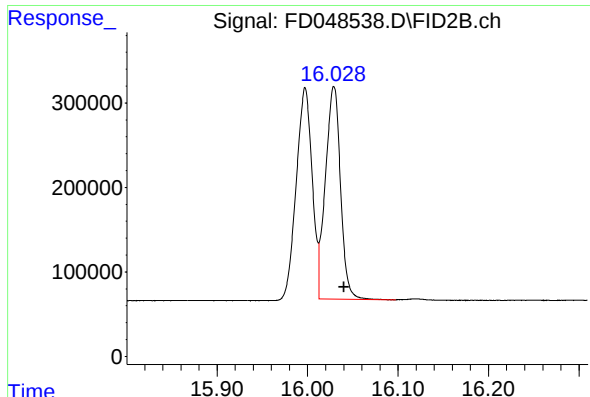
#15 Chrysene (C27.41)

R.T.: 14.492 min
Delta R.T.: -0.011 min
Response: 3225076
Conc: 17.29 ug/ml



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

R.T.: 15.997 min
Delta R.T.: -0.011 min
Response: 3092870
Conc: 18.57 ug/ml m



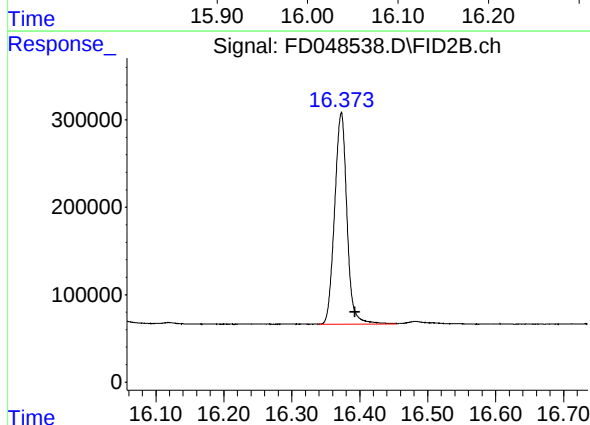
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.029 min
Delta R.T.: -0.011 min
Response: 2928065
Conc: 17.25 ug/ml

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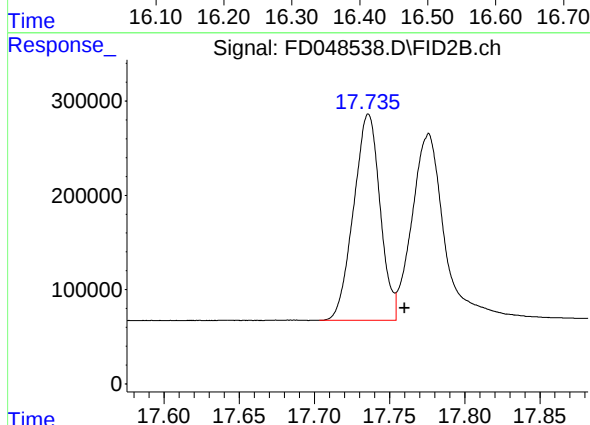
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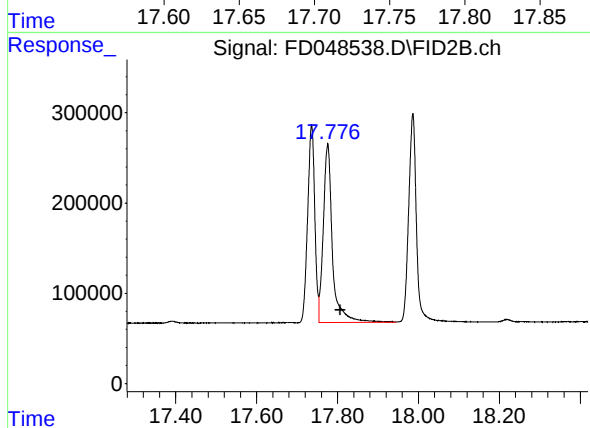
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.373 min
Delta R.T.: -0.020 min
Response: 3052759
Conc: 18.68 ug/ml m



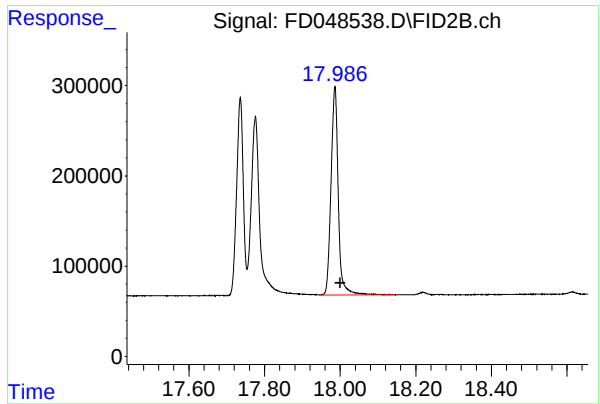
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.735 min
Delta R.T.: -0.025 min
Response: 2682297
Conc: 20.39 ug/ml m



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

R.T.: 17.776 min
Delta R.T.: -0.031 min
Response: 3141239
Conc: 18.77 ug/ml



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

R.T.: 17.986 min
Delta R.T.: -0.014 min
Response: 3081877
Conc: 18.97 ug/ml

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