

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD121024AR\
 Data File : FD048862.D
 Signal(s) : FID2B.ch
 Acq On : 10 Dec 2024 02:58
 Operator : YP/AJ
 Sample : 100 PPM AROMATIC HC STD1
 Misc :
 ALS Vial : 71 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 100 PPM AROMATIC HC STD1

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/10/2024
 Supervised By :Ankita Jodhani 12/10/2024

Integration File: autoint1.e
 Quant Time: Dec 10 06:00:59 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 121024.M
 Quant Title : GC Extractables
 QLast Update : Tue Dec 10 05:59:54 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...	7.368	15921295	93.981 ug/ml
Spiked Amount 50.000		Recovery =	187.96%
6) S 2-Fluorobiphenyl (SURR)	8.220	10548610	98.744 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	197.49%#
11) S ortho-Terphenyl (SURR)	11.256	16688784	93.186 ug/ml
Spiked Amount 50.000		Recovery =	186.37%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.190	17896321	94.195 ug/ml
2) T Naphthalene (C11.7)	5.708	18248129	93.464 ug/ml
3) T 2-Methylnaphthalene (...)	6.756	17647356	94.886 ug/ml
5) T Acenaphthylene (C15.06)	8.023	17689794	94.386 ug/ml
7) T Acenaphthene (C15.5)	8.319	17269253	93.203 ug/ml
8) T Flouorene (C16.55)	9.098	17270251	95.273 ug/ml
9) T Phenanthrene (C19.36)	10.485	16362315	96.999 ug/ml
10) T Anthracene (C19.43)	10.562	16263903	94.872 ug/ml
12) T Fluoranthene (C21.85)	12.291	15655851	94.377 ug/ml
13) T Pyrene (C20.8)	12.584	15509675	95.510 ug/ml
14) T Benzo[a]anthracene (C...	14.454	14161136	101.685 ug/ml
15) T Chrysene (C27.41)	14.500	14249238	90.269 ug/ml
16) T benzo[b]fluoranthene ...	16.004	13748802	98.495 ug/ml
17) T Bnezo[k]fluoranthene ...	16.043	13643820	92.001 ug/mlm
18) T Benzo[a]pyrene (C31.34)	16.381	13033554	93.325 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.749	12448244	116.520 ug/ml
20) T Dibenz[a,h]anthracene...	17.787	12848217	84.867 ug/ml
21) T Benzo[g,h,i]perylene ...	18.006	13210280	93.294 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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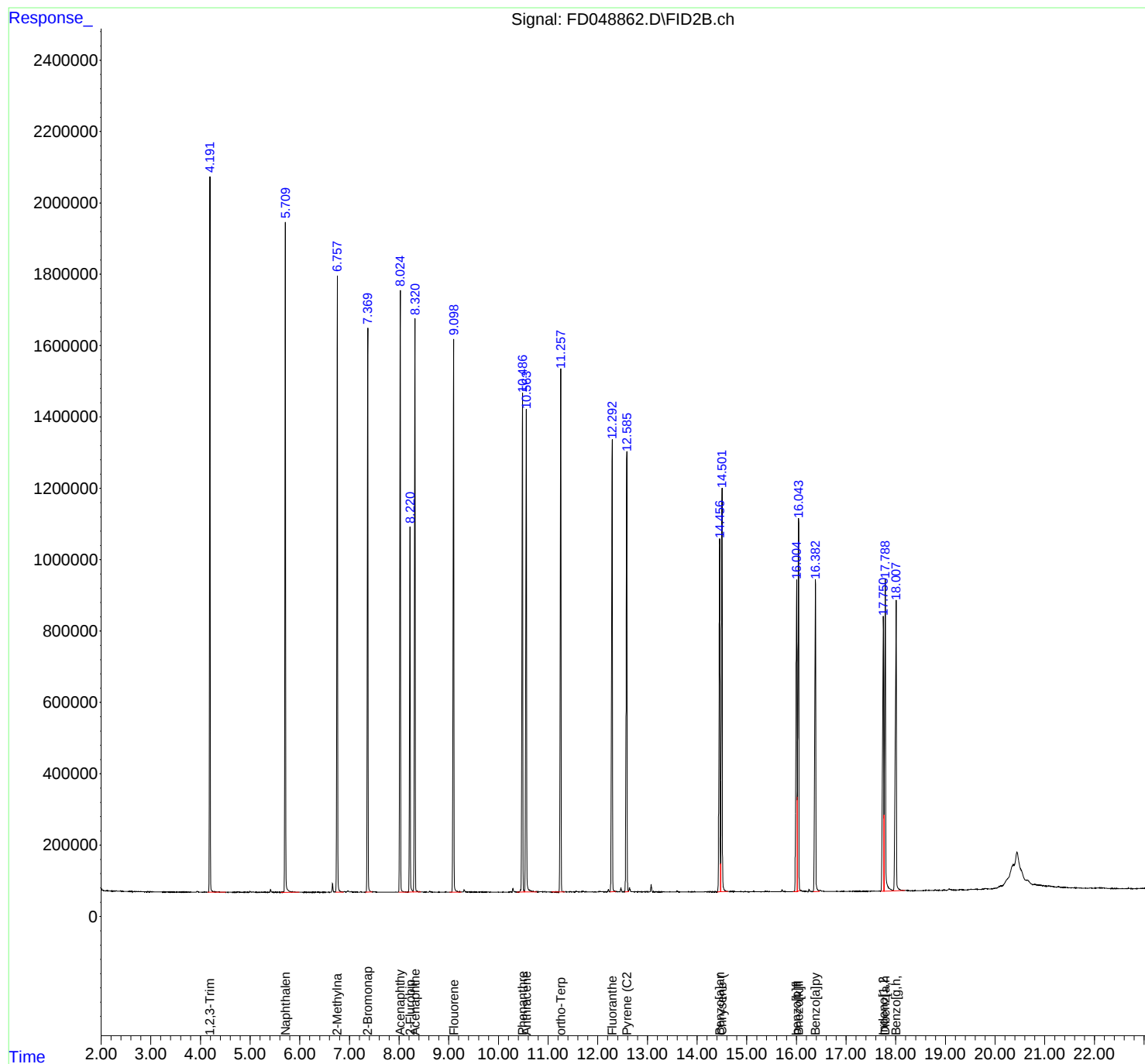
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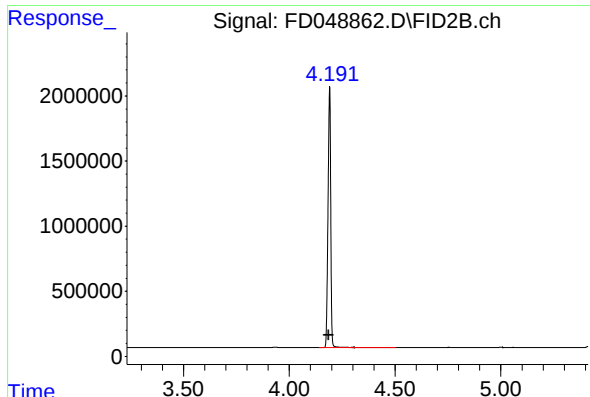
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#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.190 min
Delta R.T.: 0.004 min
Response: 17896321
Conc: 94.19 ug/ml

Instrument :

FID_D

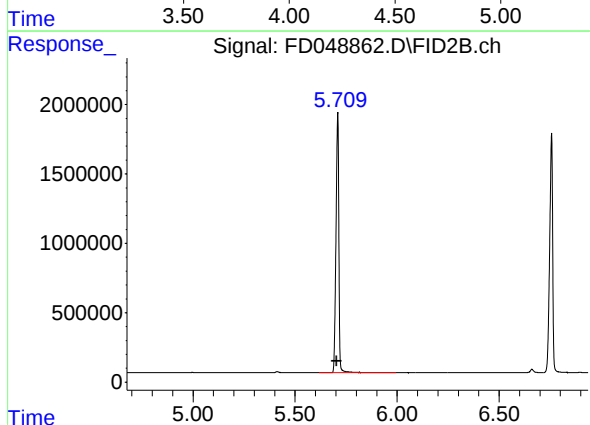
ClientSampleId :

100 PPM AROMATIC HC STD1

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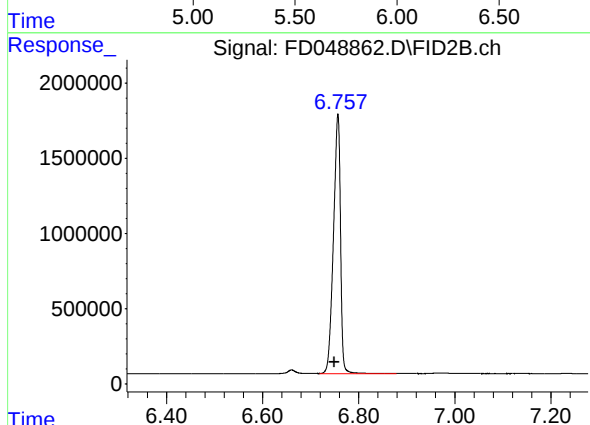
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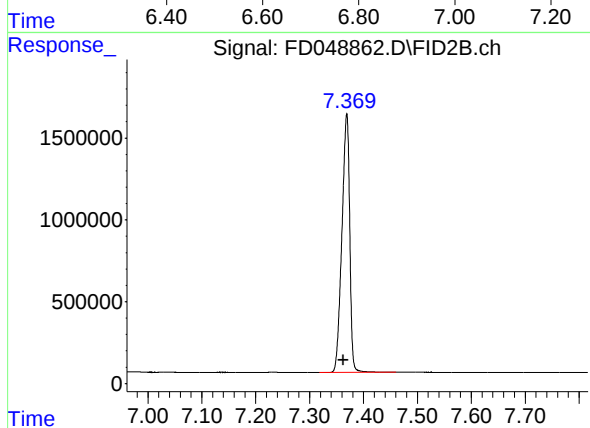
#2 Naphthalene (C11.7)

R.T.: 5.708 min
Delta R.T.: 0.005 min
Response: 18248129
Conc: 93.46 ug/ml



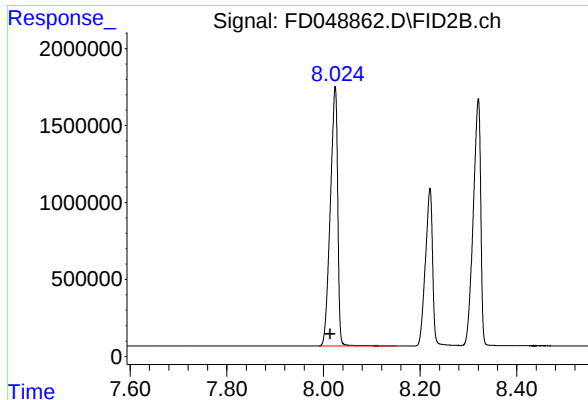
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.756 min
Delta R.T.: 0.006 min
Response: 17647356
Conc: 94.89 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.368 min
Delta R.T.: 0.006 min
Response: 15921295
Conc: 93.98 ug/ml



#5 Acenaphthylene (C15.06)

R.T.: 8.023 min
Delta R.T.: 0.009 min
Response: 17689794
Conc: 94.39 ug/ml

Instrument :

FID_D

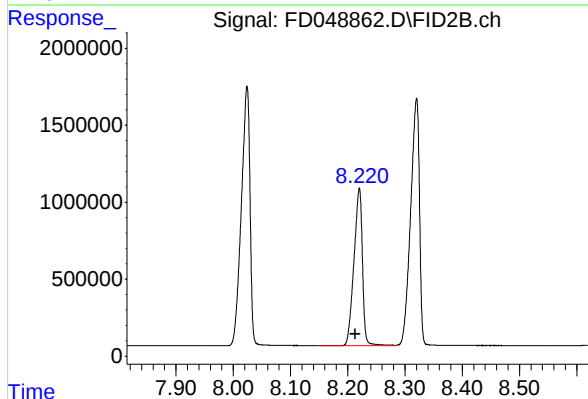
ClientSampleId :

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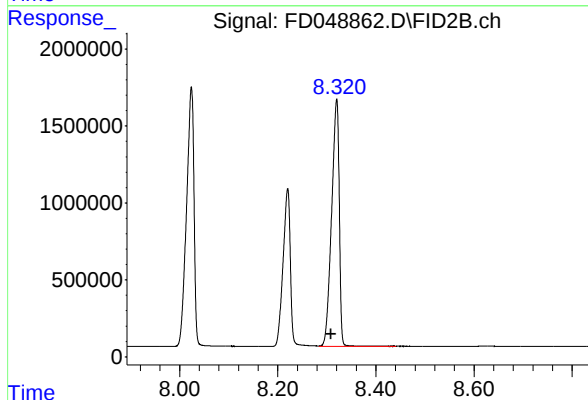
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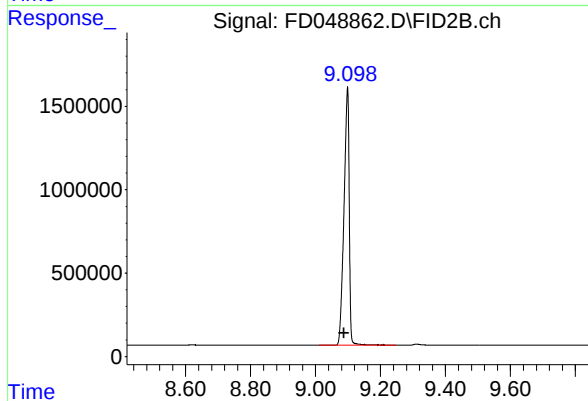
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.220 min
Delta R.T.: 0.007 min
Response: 10548610
Conc: 98.74 ug/ml



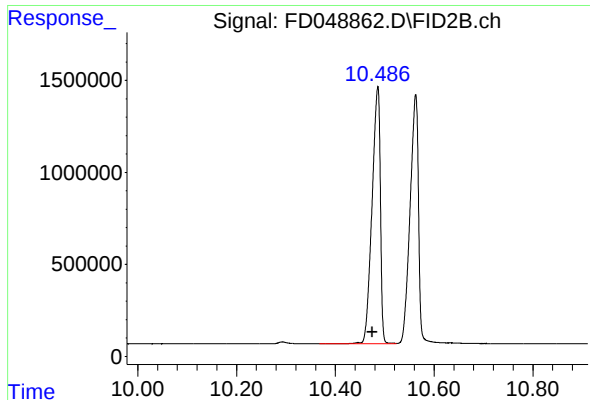
#7 Acenaphthene (C15.5)

R.T.: 8.319 min
Delta R.T.: 0.011 min
Response: 17269253
Conc: 93.20 ug/ml



#8 Fluorene (C16.55)

R.T.: 9.098 min
Delta R.T.: 0.010 min
Response: 17270251
Conc: 95.27 ug/ml



#9 Phenanthrene (C19.36)

R.T.: 10.485 min
Delta R.T.: 0.010 min
Response: 16362315
Conc: 97.00 ug/ml

Instrument :

FID_D

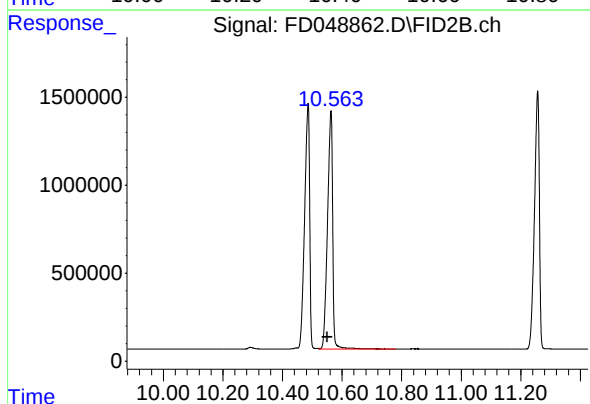
ClientSampleId :

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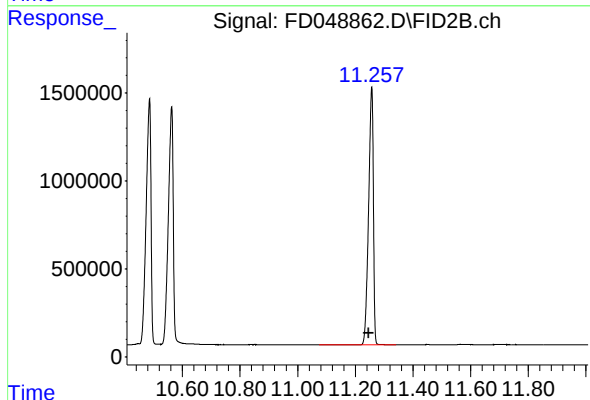
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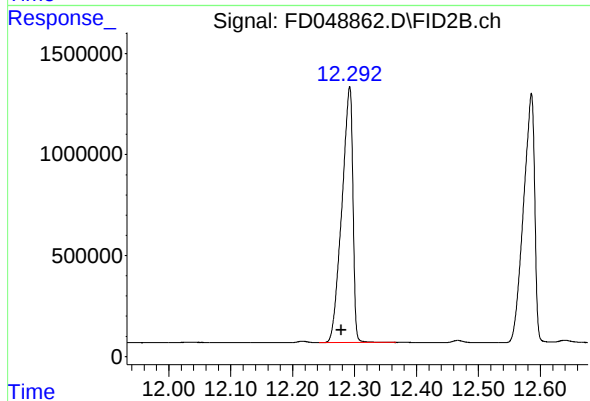
#10 Anthracene (C19.43)

R.T.: 10.562 min
Delta R.T.: 0.011 min
Response: 16263903
Conc: 94.87 ug/ml



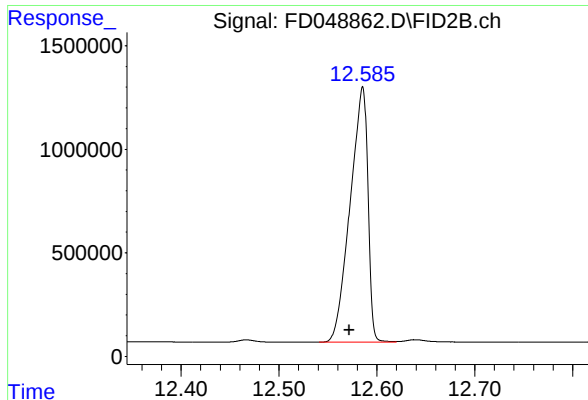
#11 ortho-Terphenyl (SURR)

R.T.: 11.256 min
Delta R.T.: 0.010 min
Response: 16688784
Conc: 93.19 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.291 min
Delta R.T.: 0.012 min
Response: 15655851
Conc: 94.38 ug/ml



#13 Pyrene (C20.8)

R.T.: 12.584 min
Delta R.T.: 0.013 min
Response: 15509675
Conc: 95.51 ug/ml

Instrument :

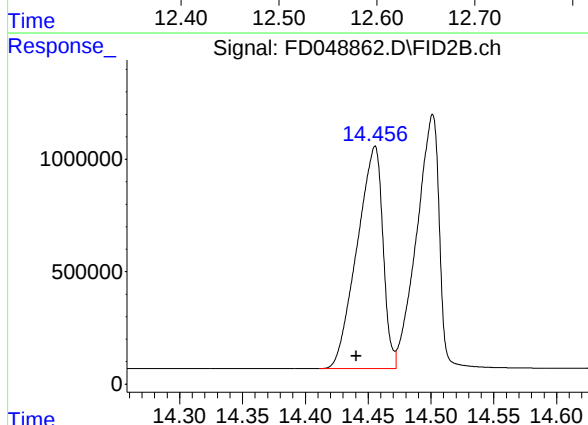
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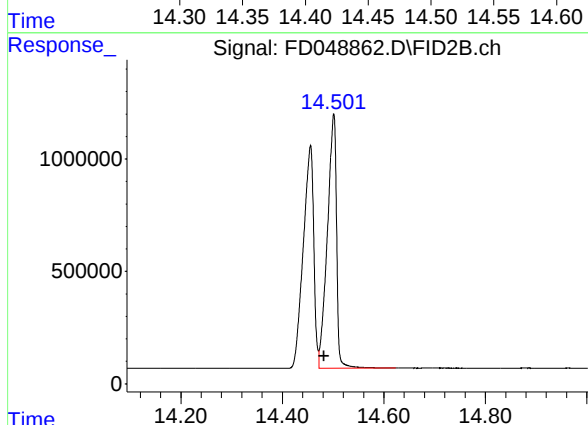
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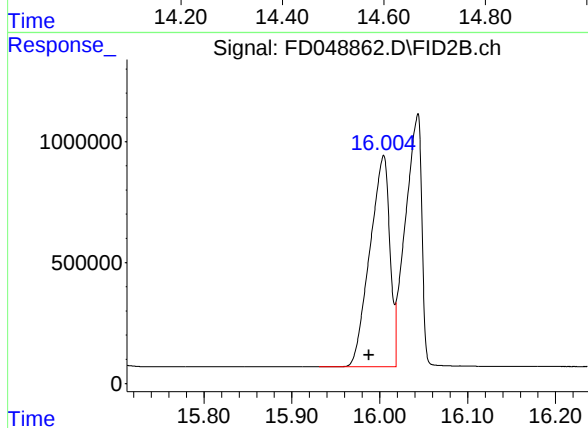
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.454 min
Delta R.T.: 0.014 min
Response: 14161136
Conc: 101.68 ug/ml



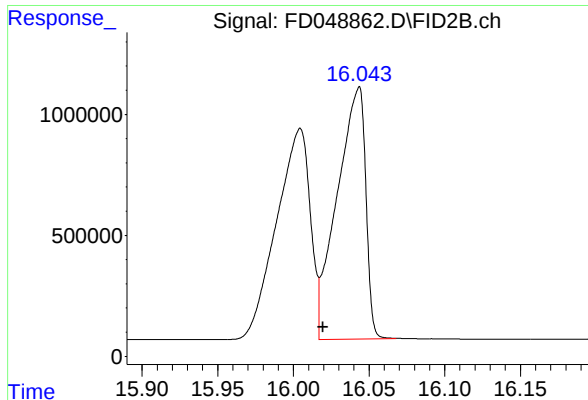
#15 Chrysene (C27.41)

R.T.: 14.500 min
Delta R.T.: 0.019 min
Response: 14249238
Conc: 90.27 ug/ml



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

R.T.: 16.004 min
Delta R.T.: 0.016 min
Response: 13748802
Conc: 98.49 ug/ml



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

R.T.: 16.043 min
Delta R.T.: 0.024 min
Response: 13643820
Conc: 92.00 ug/ml

Instrument :

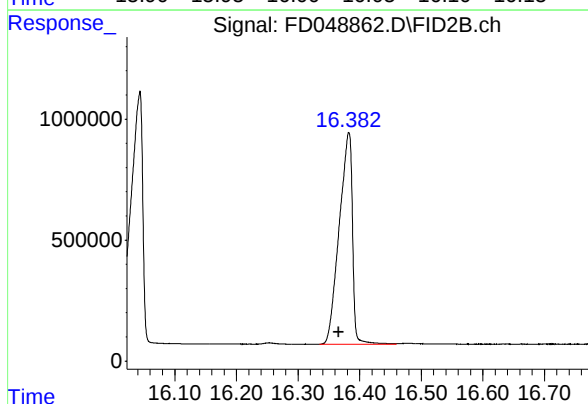
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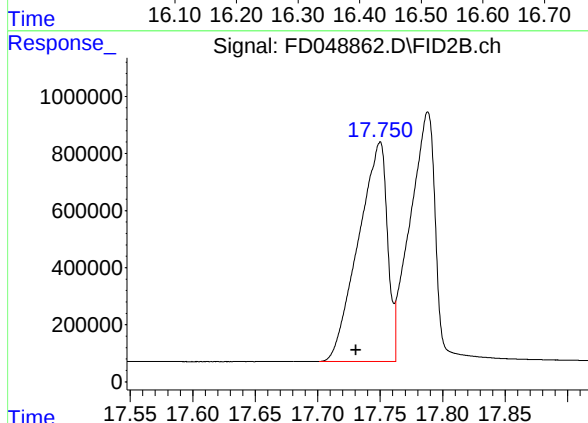
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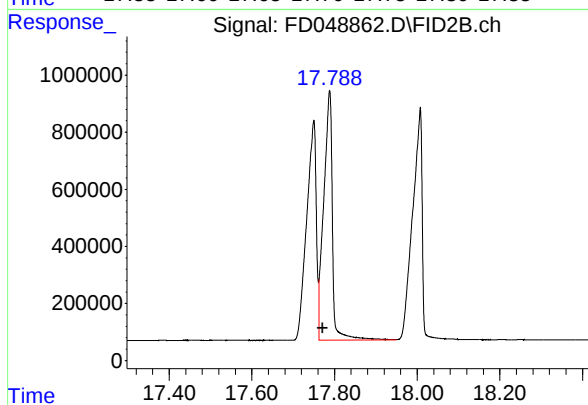
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.381 min
Delta R.T.: 0.015 min
Response: 13033554
Conc: 93.32 ug/ml



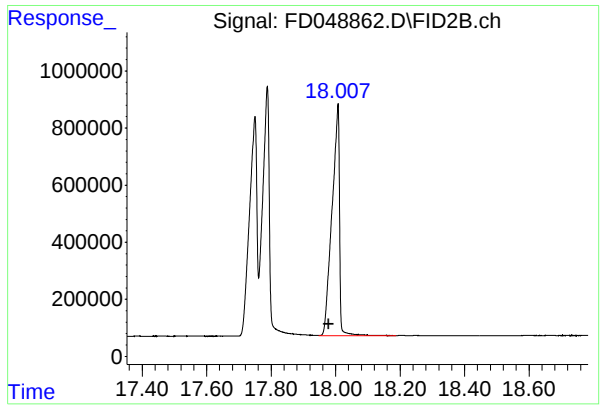
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.749 min
Delta R.T.: 0.018 min
Response: 12448244
Conc: 116.52 ug/ml



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

R.T.: 17.787 min
Delta R.T.: 0.016 min
Response: 12848217
Conc: 84.87 ug/ml



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

R.T.: 18.006 min
Delta R.T.: 0.027 min
Response: 13210280
Conc: 93.29 ug/ml

Instrument :

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