

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD101124AR\
 Data File : FD048466.D
 Signal(s) : FID2B.ch
 Acq On : 12 Oct 2024 00:35
 Operator : YP/AJ
 Sample : P4368-02
 Misc :
 ALS Vial : 66 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 LOQ-SOIL-02-QT4-2024

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/14/2024
 Supervised By :Ankita Jodhani 10/14/2024

Integration File: autoint1.e
 Quant Time: Oct 14 04:59:21 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...	7.379	7624498	46.051 ug/ml
Spiked Amount 50.000		Recovery =	92.10%
6) S 2-Fluorobiphenyl (SURR)	8.229	4534926	43.729 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	87.46%
11) S ortho-Terphenyl (SURR)	11.265	7292576	39.634 ug/ml
Spiked Amount 50.000		Recovery =	79.27%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.204	614302	3.505 ug/ml
2) T Naphthalene (C11.7)	5.726	659440	3.532 ug/ml
3) T 2-Methylnaphthalene (...)	6.773	687050	3.635 ug/ml
5) T Acenaphthylene (C15.06)	8.035	730349	3.807 ug/ml
7) T Acenaphthene (C15.5)	8.326	797453	4.216 ug/ml
8) T Fluorene (C16.55)	9.112	682625	3.778 ug/ml
9) T Phenanthrene (C19.36)	10.496	656449	3.704 ug/mlm
10) T Anthracene (C19.43)	10.577	685800	3.854 ug/ml
12) T Fluoranthene (C21.85)	12.302	701989	3.881 ug/mlm
13) T Pyrene (C20.8)	12.593	693622	3.874 ug/mlm
14) T Benzo[a]anthracene (C...	14.469	465078	2.910 ug/ml
15) T Chrysene (C27.41)	14.505	719413	3.857 ug/mlm
16) T benzo[b]fluoranthene ...	16.012	543292	3.262 ug/ml
17) T Bnezo[k]fluoranthene ...	16.044	725028	4.271 ug/mlm
18) T Benzo[a]pyrene (C31.34)	16.402	559188	3.421 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.768	424493	3.227 ug/mlm
20) T Dibenz[a,h]anthracene...	17.818	662663	3.960 ug/ml
21) T Benzo[g,h,i]perylene ...	18.007	608703	3.748 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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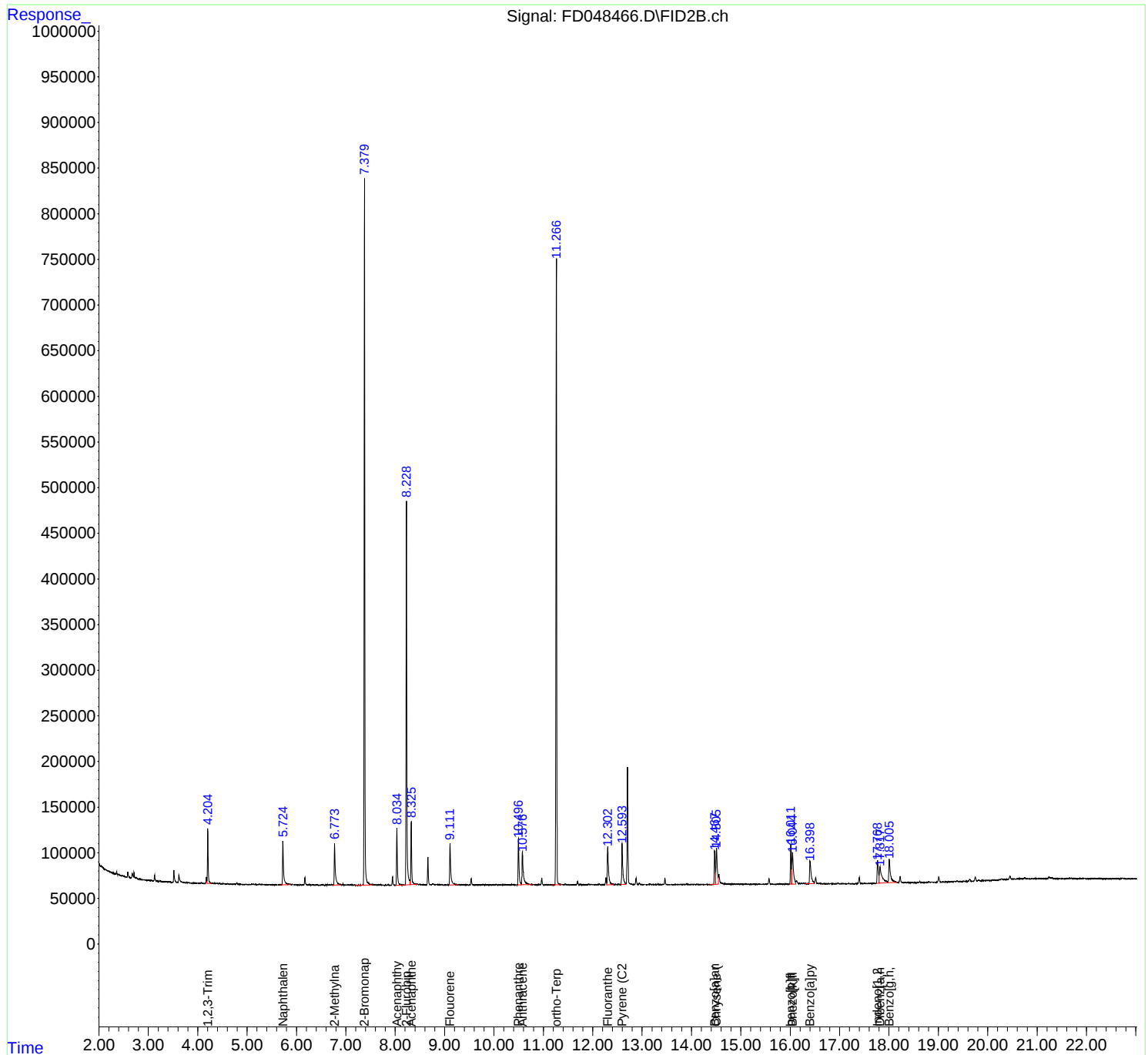
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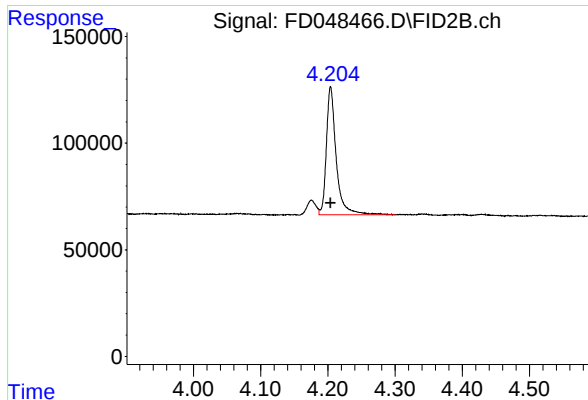
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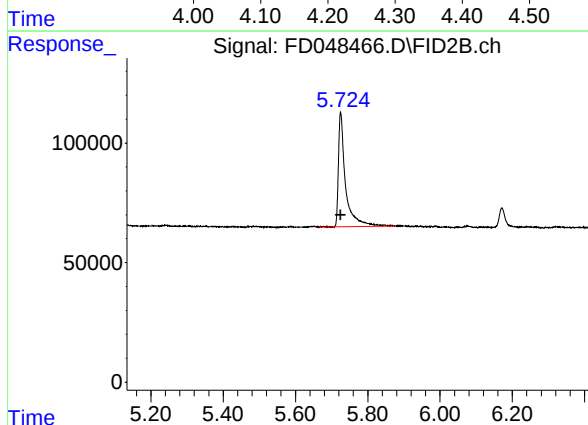
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.204 min
Delta R.T.: 0.000 min
Response: 614302
Conc: 3.51 ug/ml

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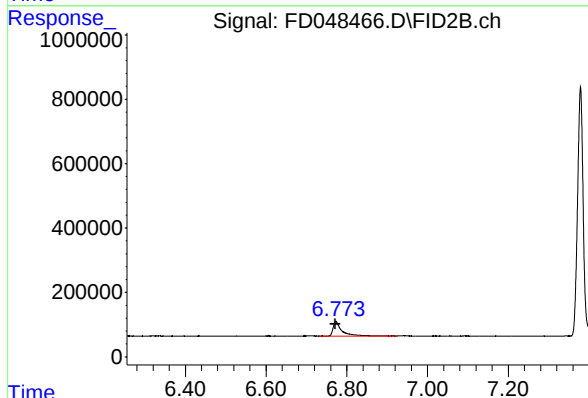
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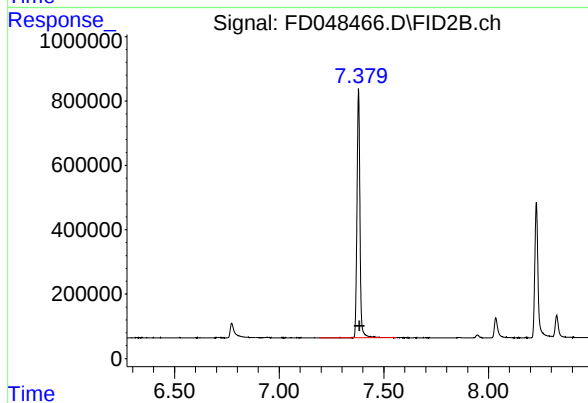
#2 Naphthalene (C11.7)

R.T.: 5.726 min
Delta R.T.: 0.001 min
Response: 659440
Conc: 3.53 ug/ml



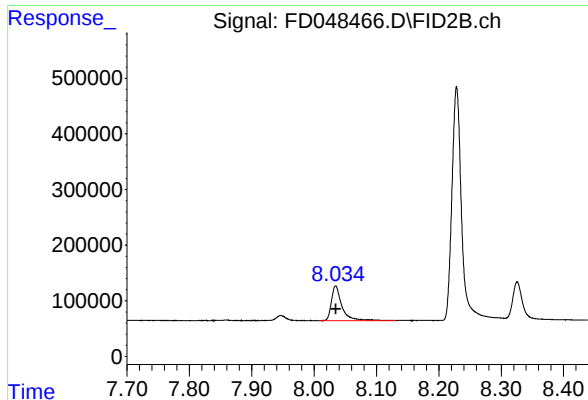
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.773 min
Delta R.T.: 0.001 min
Response: 687050
Conc: 3.64 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.379 min
Delta R.T.: -0.005 min
Response: 7624498
Conc: 46.05 ug/ml



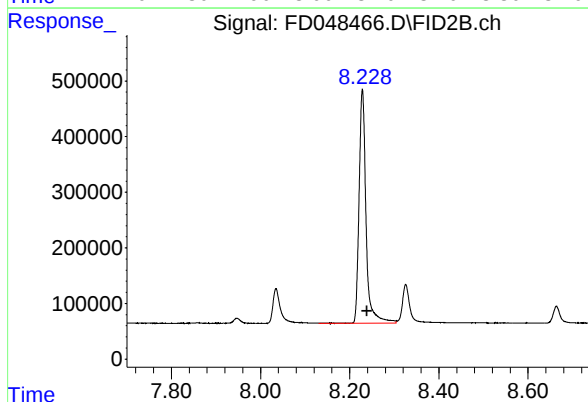
#5 Acenaphthylene (C15.06)

R.T.: 8.035 min
Delta R.T.: 0.000 min
Response: 730349
Conc: 3.81 ug/ml

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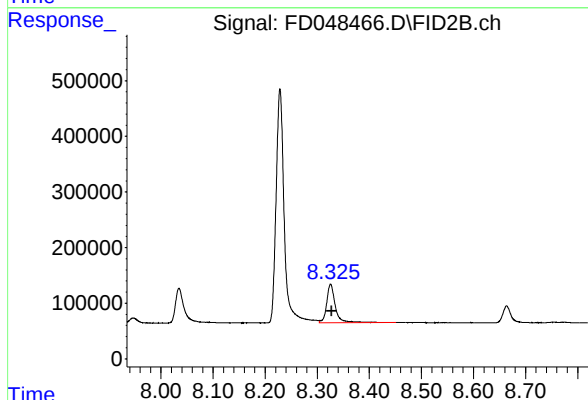
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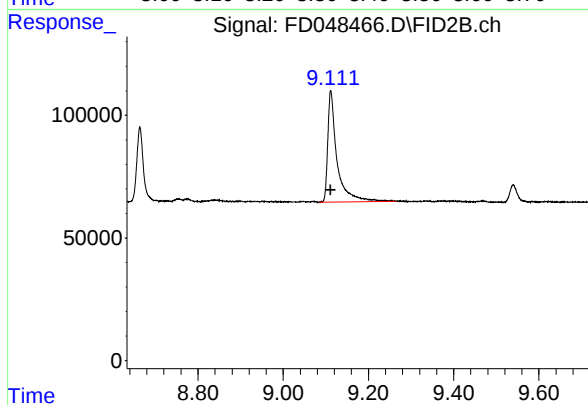
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.229 min
Delta R.T.: -0.010 min
Response: 4534926
Conc: 43.73 ug/ml



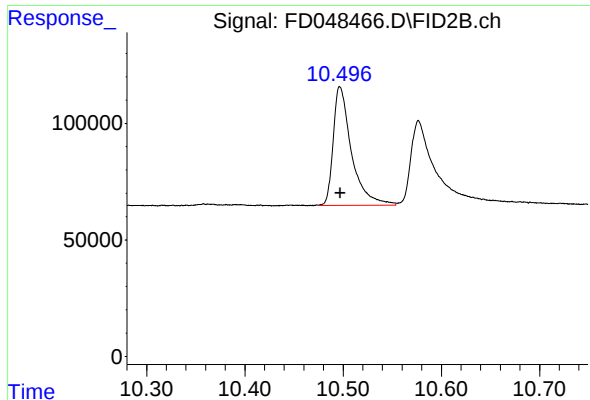
#7 Acenaphthene (C15.5)

R.T.: 8.326 min
Delta R.T.: -0.002 min
Response: 797453
Conc: 4.22 ug/ml



#8 Fluorene (C16.55)

R.T.: 9.112 min
Delta R.T.: 0.001 min
Response: 682625
Conc: 3.78 ug/ml



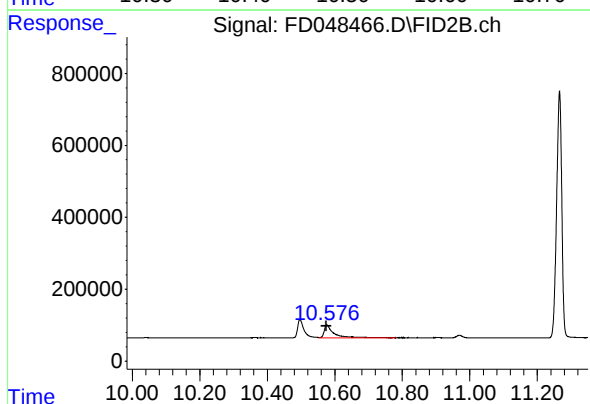
#9 Phenanthrene (C19.36)

R.T.: 10.496 min
Delta R.T.: -0.001 min
Response: 656449
Conc: 3.70 ug/ml

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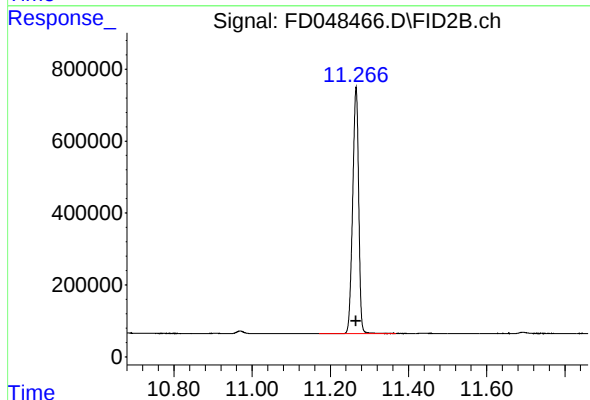
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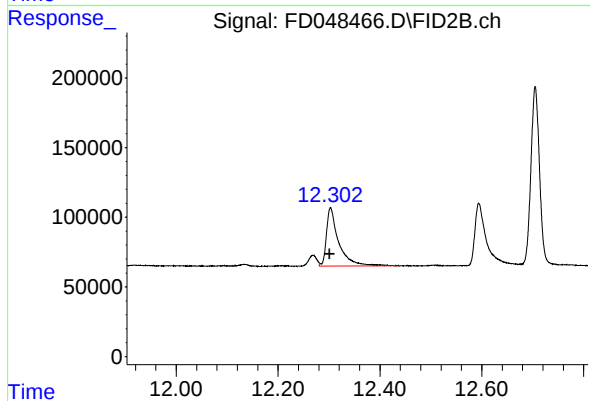
#10 Anthracene (C19.43)

R.T.: 10.577 min
Delta R.T.: 0.002 min
Response: 685800
Conc: 3.85 ug/ml



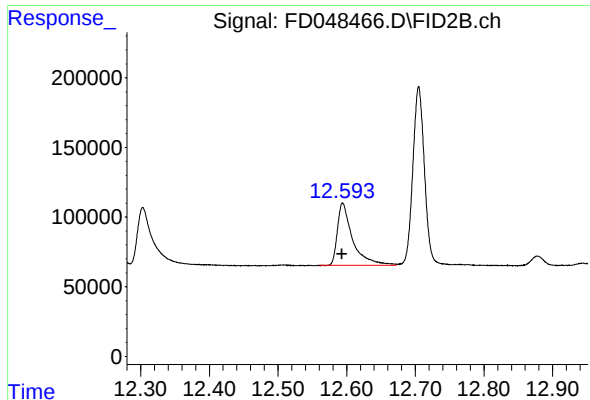
#11 ortho-Terphenyl (SURR)

R.T.: 11.265 min
Delta R.T.: 0.000 min
Response: 7292576
Conc: 39.63 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.302 min
Delta R.T.: 0.001 min
Response: 701989
Conc: 3.88 ug/ml m



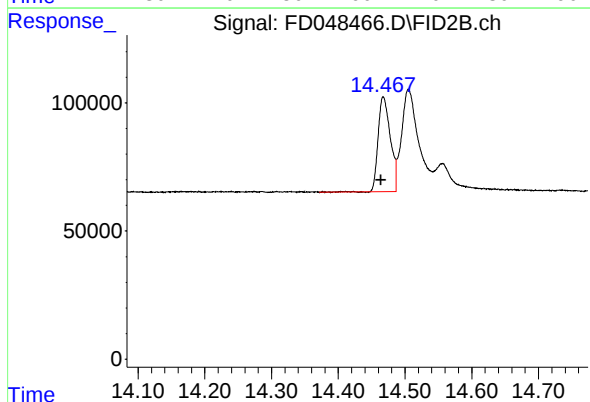
#13 Pyrene (C20.8)

R.T.: 12.593 min
Delta R.T.: 0.000 min
Response: 693622
Conc: 3.87 ug/ml

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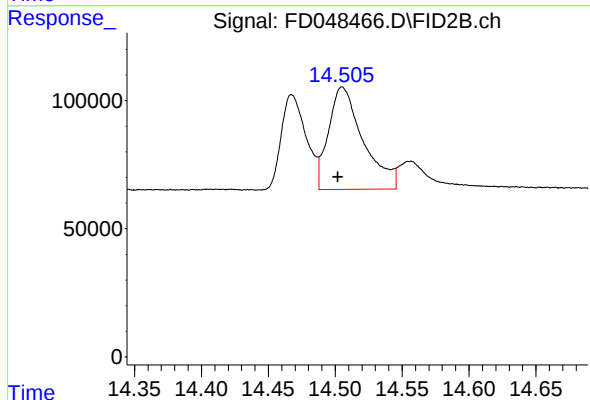
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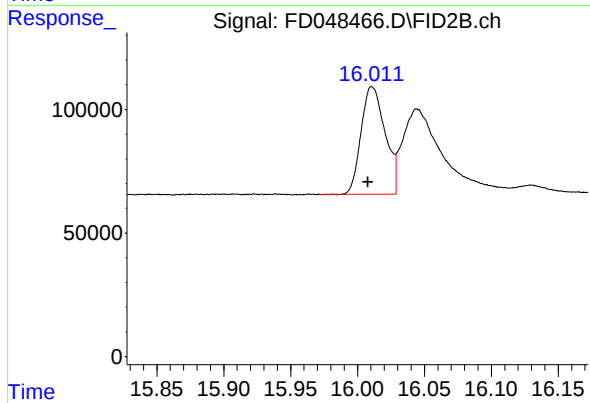
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.469 min
Delta R.T.: 0.005 min
Response: 465078
Conc: 2.91 ug/ml



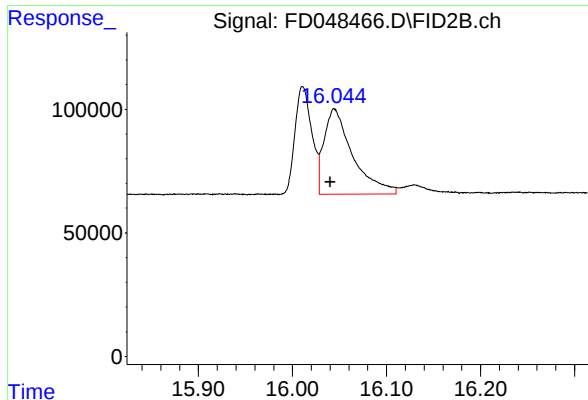
#15 Chrysene (C27.41)

R.T.: 14.505 min
Delta R.T.: 0.003 min
Response: 719413
Conc: 3.86 ug/ml m



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

R.T.: 16.012 min
Delta R.T.: 0.004 min
Response: 543292
Conc: 3.26 ug/ml



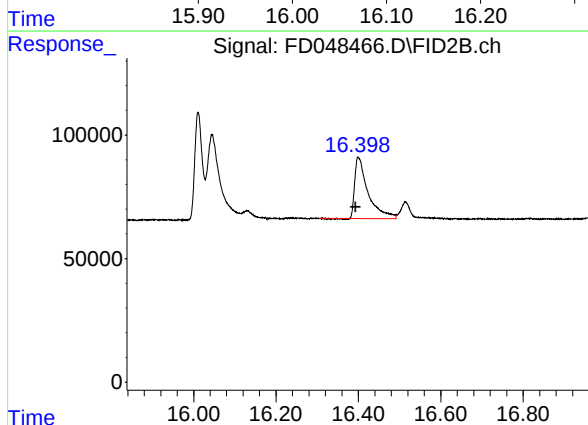
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.044 min
Delta R.T.: 0.004 min
Response: 725028
Conc: 4.27 ug/ml

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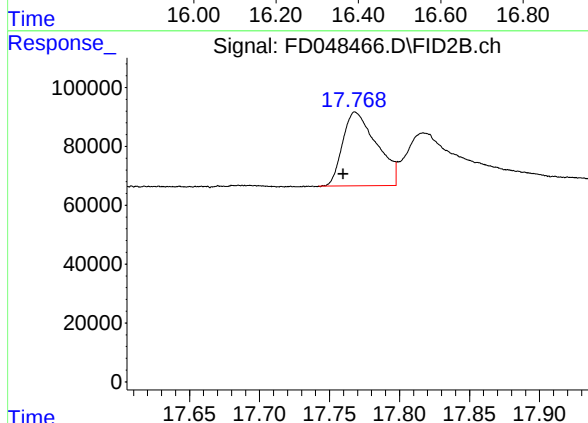
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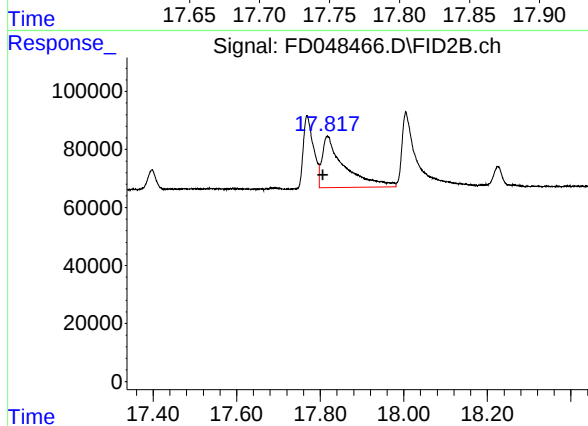
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.402 min
Delta R.T.: 0.009 min
Response: 559188
Conc: 3.42 ug/ml



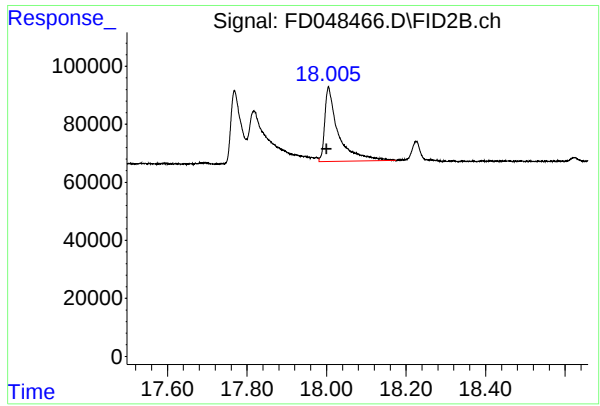
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.768 min
Delta R.T.: 0.008 min
Response: 424493
Conc: 3.23 ug/ml m



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

R.T.: 17.818 min
Delta R.T.: 0.012 min
Response: 662663
Conc: 3.96 ug/ml



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

R.T.: 18.007 min
Delta R.T.: 0.006 min
Response: 608703
Conc: 3.75 ug/ml

Instrument :

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