

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD050825AR\
 Data File : FD049321.D
 Signal(s) : FID2B.ch
 Acq On : 08 May 2025 13:38
 Operator : YP/AJ
 Sample : PB167903BSD
 Misc :
 ALS Vial : 63 Sample Multiplier: 1

Instrument :

FID_D

ClientSampleId :

PB167903BSD

Manual Integrations**APPROVED**

Reviewed By :Yogesh Patel 05/09/2025

Supervised By :mohammad ahmed 05/12/2025

Integration File: autoint1.e

Quant Time: May 09 10:00:57 2025

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 050125.M

Quant Title : GC Extractables

QLast Update : Thu May 01 13:29:48 2025

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...	7.742	7630584	64.355 ug/ml
Spiked Amount 50.000		Recovery =	128.71%
6) S 2-Fluorobiphenyl (SURR)	8.609	5211926	65.997 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	131.99%#
11) S ortho-Terphenyl (SURR)	11.653	7520284	54.487 ug/ml
Spiked Amount 50.000		Recovery =	108.97%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.532	4868583	38.993 ug/ml
2) T Naphthalene (C11.7)	6.076	5684283	42.996 ug/ml
3) T 2-Methylnaphthalene (...)	7.131	5511990	42.728 ug/ml
5) T Acenaphthylene (C15.06)	8.411	6708573	47.523 ug/ml
7) T Acenaphthene (C15.5)	8.709	7095143	51.784 ug/ml
8) T Flouorene (C16.55)	9.489	7350269	54.000 ug/ml
9) T Phenanthrene (C19.36)	10.889	7743726	57.437 ug/ml
10) T Anthracene (C19.43)	10.964	7447842	62.974 ug/ml
12) T Fluoranthene (C21.85)	12.704	7999797	59.361 ug/ml
13) T Pyrene (C20.8)	13.003	8056891	59.559 ug/ml
14) T Benzo[a]anthracene (C...	14.874	7291465	63.656 ug/ml
15) T Chrysene (C27.41)	14.920	7835154	67.132 ug/ml
16) T benzo[b]fluoranthene ...	16.427	7351712	60.565 ug/ml
17) T Bnezo[k]fluoranthene ...	16.462	7266682	60.930 ug/mlm
18) T Benzo[a]pyrene (C31.34)	16.808	7006479	60.934 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.175	7393154	67.368 ug/ml
20) T Dibenz[a,h]anthracene...	18.214	6726835	63.692 ug/ml
21) T Benzo[g,h,i]perylene ...	18.433	6994367	58.692 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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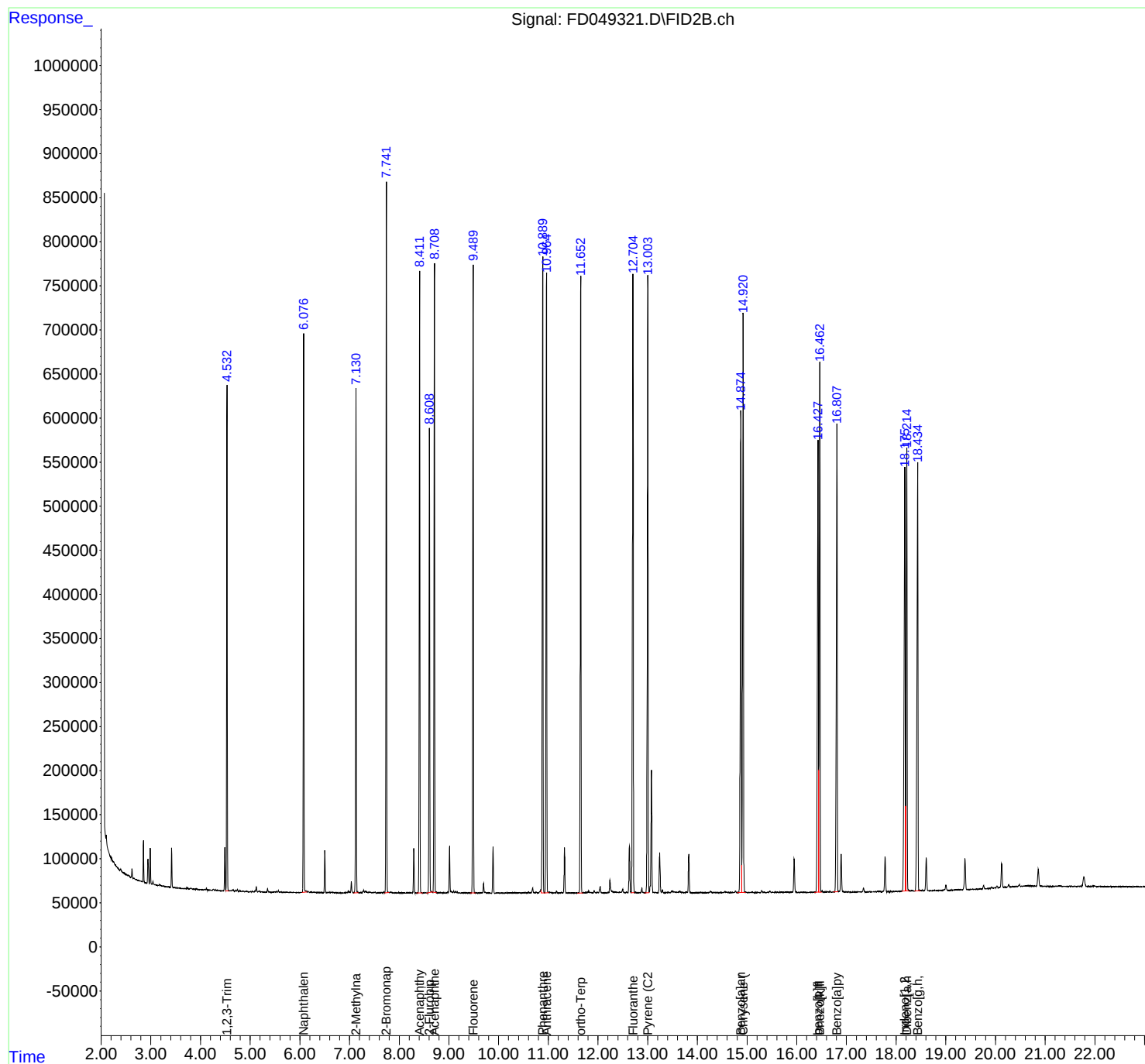
Instrument :
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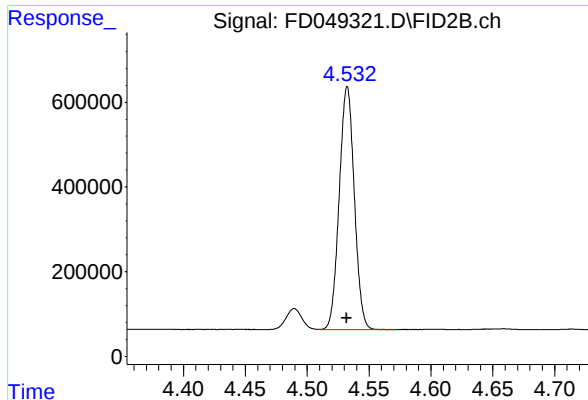
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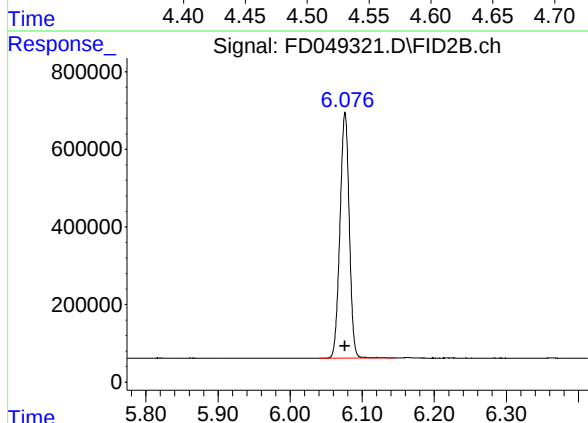
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.532 min
Delta R.T.: 0.000 min
Response: 4868583
Conc: 38.99 ug/ml

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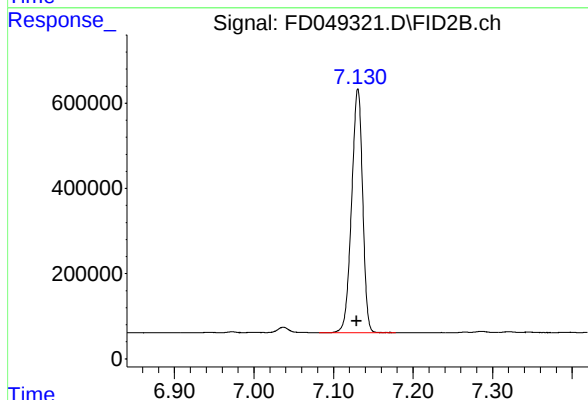
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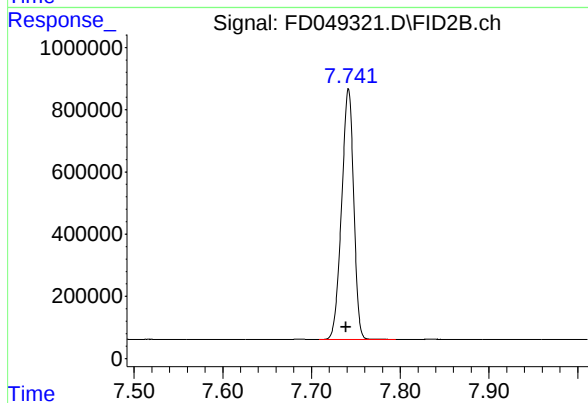
#2 Naphthalene (C11.7)

R.T.: 6.076 min
Delta R.T.: 0.000 min
Response: 5684283
Conc: 43.00 ug/ml



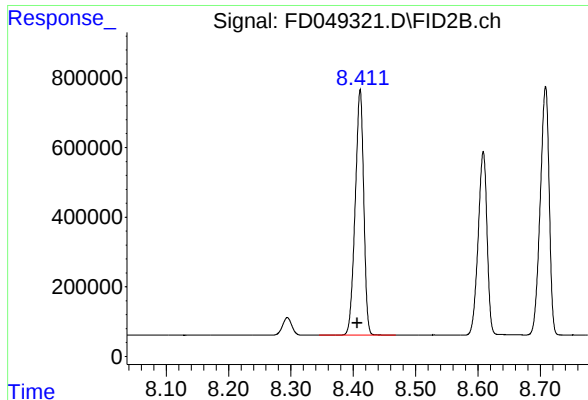
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.131 min
Delta R.T.: 0.002 min
Response: 5511990
Conc: 42.73 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.742 min
Delta R.T.: 0.003 min
Response: 7630584
Conc: 64.36 ug/ml



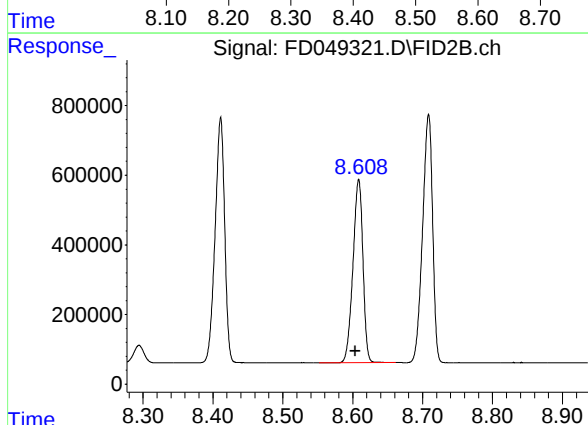
#5 Acenaphthylene (C15.06)

R.T.: 8.411 min
Delta R.T.: 0.004 min
Response: 6708573
Conc: 47.52 ug/ml

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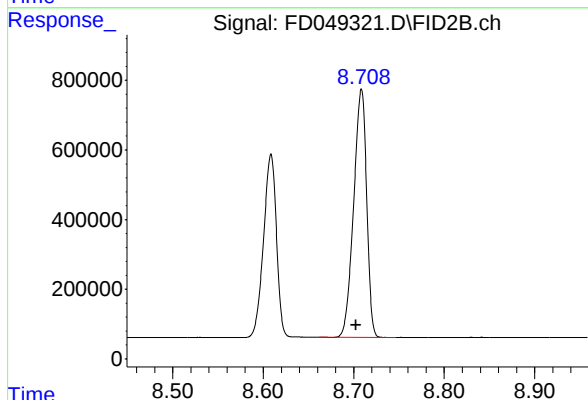
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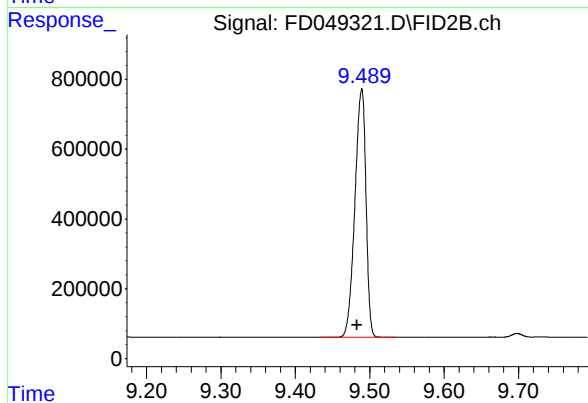
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.609 min
Delta R.T.: 0.005 min
Response: 5211926
Conc: 66.00 ug/ml



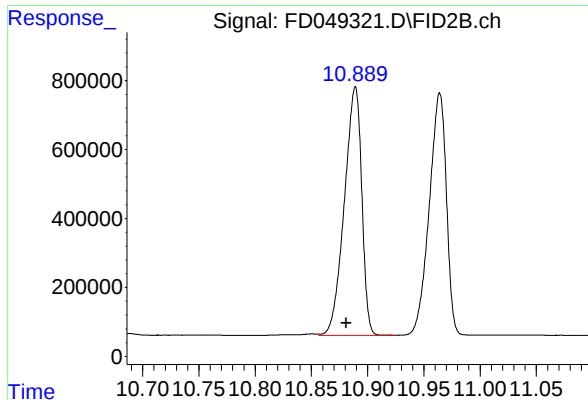
#7 Acenaphthene (C15.5)

R.T.: 8.709 min
Delta R.T.: 0.006 min
Response: 7095143
Conc: 51.78 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.489 min
Delta R.T.: 0.007 min
Response: 7350269
Conc: 54.00 ug/ml



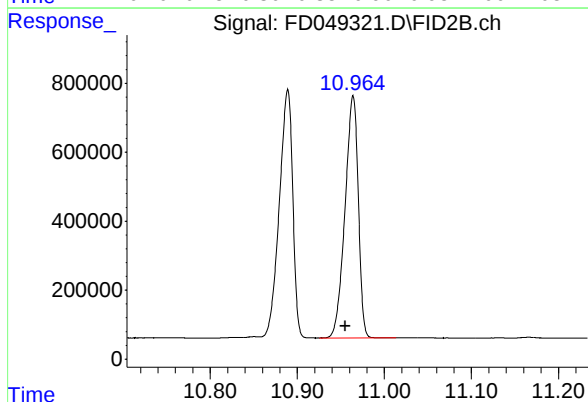
#9 Phenanthrene (C19.36)

R.T.: 10.889 min
Delta R.T.: 0.008 min
Response: 7743726
Conc: 57.44 ug/ml

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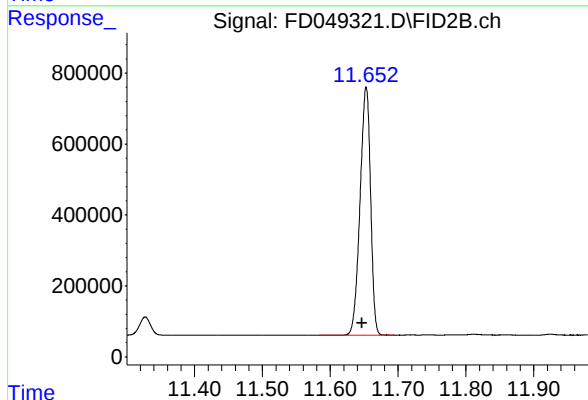
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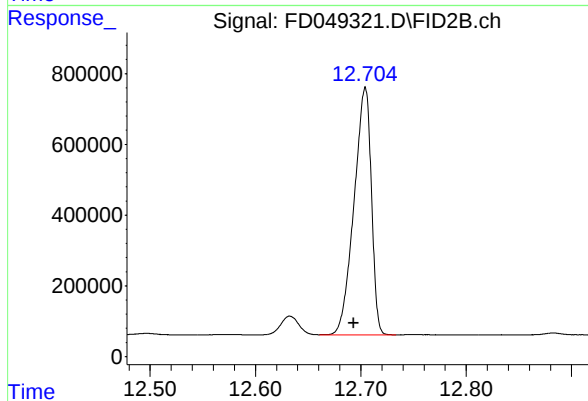
#10 Anthracene (C19.43)

R.T.: 10.964 min
Delta R.T.: 0.009 min
Response: 7447842
Conc: 62.97 ug/ml



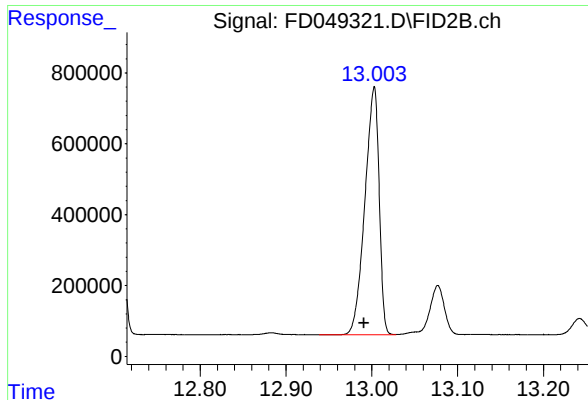
#11 ortho-Terphenyl (SURR)

R.T.: 11.653 min
Delta R.T.: 0.006 min
Response: 7520284
Conc: 54.49 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.704 min
Delta R.T.: 0.011 min
Response: 7999797
Conc: 59.36 ug/ml



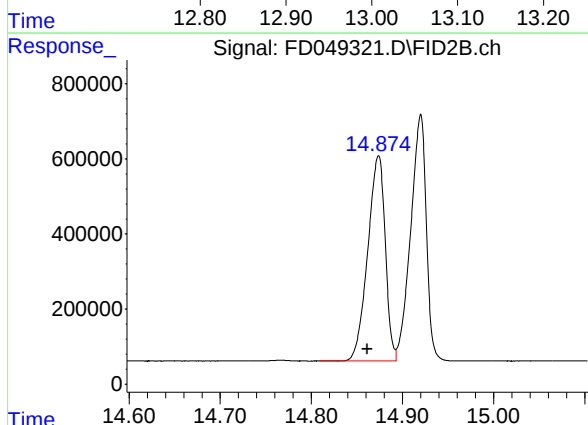
#13 Pyrene (C20.8)

R.T.: 13.003 min
Delta R.T.: 0.012 min
Response: 8056891
Conc: 59.56 ug/ml

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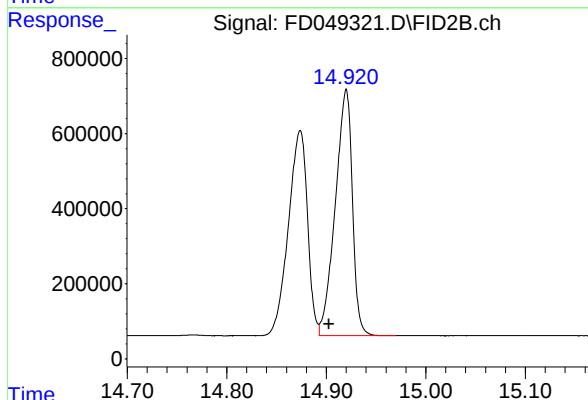
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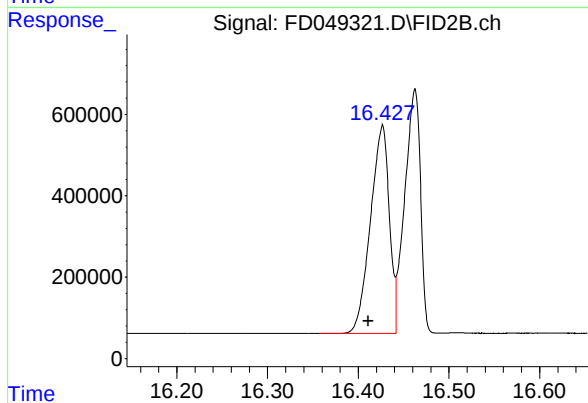
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.874 min
Delta R.T.: 0.012 min
Response: 7291465
Conc: 63.66 ug/ml



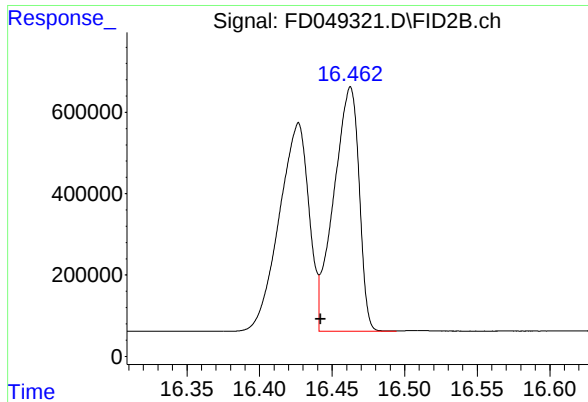
#15 Chrysene (C27.41)

R.T.: 14.920 min
Delta R.T.: 0.017 min
Response: 7835154
Conc: 67.13 ug/ml



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

R.T.: 16.427 min
Delta R.T.: 0.016 min
Response: 7351712
Conc: 60.56 ug/ml



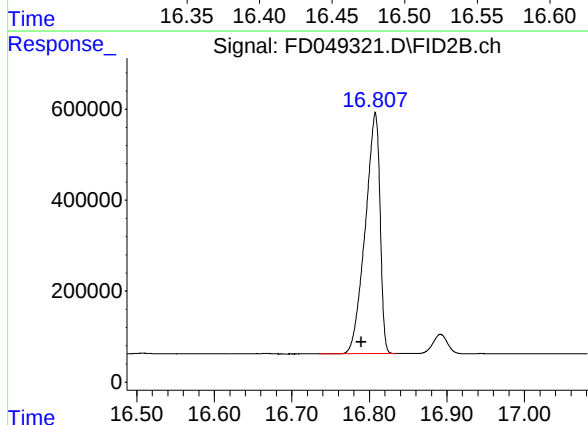
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.462 min
Delta R.T.: 0.020 min
Response: 7266682
Conc: 60.93 ug/ml

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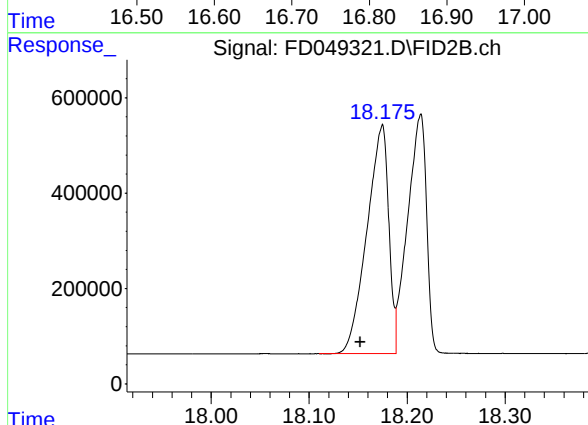
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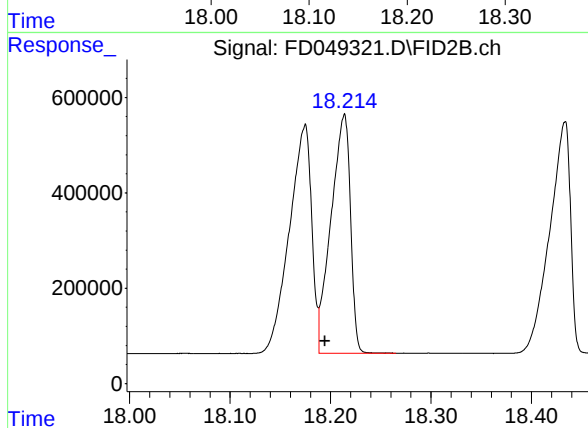
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.808 min
Delta R.T.: 0.018 min
Response: 7006479
Conc: 60.93 ug/ml



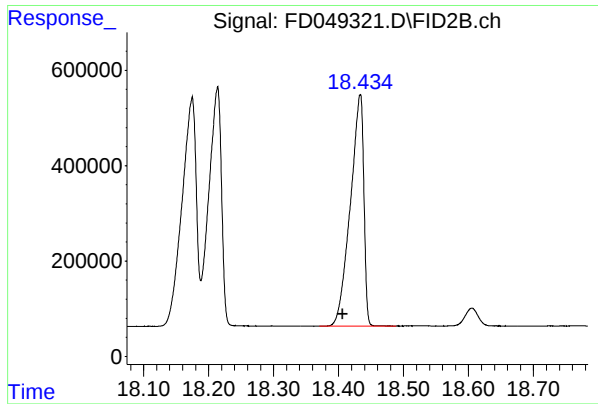
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.175 min
Delta R.T.: 0.022 min
Response: 7393154
Conc: 67.37 ug/ml



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

R.T.: 18.214 min
Delta R.T.: 0.019 min
Response: 6726835
Conc: 63.69 ug/ml



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

R.T.: 18.433 min
Delta R.T.: 0.027 min
Response: 6994367
Conc: 58.69 ug/ml

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