

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD051425AR\
 Data File : FD049339.D
 Signal(s) : FID2B.ch
 Acq On : 14 May 2025 13:35
 Operator : YP/AJ
 Sample : PB168001BS
 Misc :
 ALS Vial : 62 Sample Multiplier: 1

Instrument :

FID_D

ClientSampleId :

PB168001BS

Manual Integrations**APPROVED**

Reviewed By :Yogesh Patel 05/15/2025

Supervised By :mohammad ahmed 05/16/2025

Integration File: autoint1.e

Quant Time: May 15 03:28:12 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...	7.741	7825365	65.998 ug/ml
Spiked Amount 50.000		Recovery =	132.00%
6) S 2-Fluorobiphenyl (SURR)	8.608	5262094	66.632 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	133.26%#
11) S ortho-Terphenyl (SURR)	11.653	8035198	58.217 ug/ml
Spiked Amount 50.000		Recovery =	116.43%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.530	4763474	38.151 ug/ml
2) T Naphthalene (C11.7)	6.075	6013054	45.483 ug/ml
3) T 2-Methylnaphthalene (...)	7.130	6106745	47.338 ug/ml
5) T Acenaphthylene (C15.06)	8.411	7481857	53.001 ug/ml
7) T Acenaphthene (C15.5)	8.707	7626749	55.664 ug/ml
8) T Fluorene (C16.55)	9.489	8032893	59.015 ug/ml
9) T Phenanthrene (C19.36)	10.888	7915060	58.708 ug/ml
10) T Anthracene (C19.43)	10.963	7670382	64.855 ug/ml
12) T Fluoranthene (C21.85)	12.703	7702797	57.157 ug/ml
13) T Pyrene (C20.8)	13.002	7485941	55.339 ug/ml
14) T Benzo[a]anthracene (C...	14.873	6705459	58.540 ug/ml
15) T Chrysene (C27.41)	14.917	7349763	62.973 ug/ml
16) T benzo[b]fluoranthene ...	16.425	6435651	53.018 ug/ml
17) T Bnezo[k]fluoranthene ...	16.461	6228055	52.221 ug/mlm
18) T Benzo[a]pyrene (C31.34)	16.805	6008758	52.257 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.172	6126316	55.824 ug/ml
20) T Dibenz[a,h]anthracene...	18.209	5397000	51.101 ug/ml
21) T Benzo[g,h,i]perylene ...	18.429	5601535	47.005 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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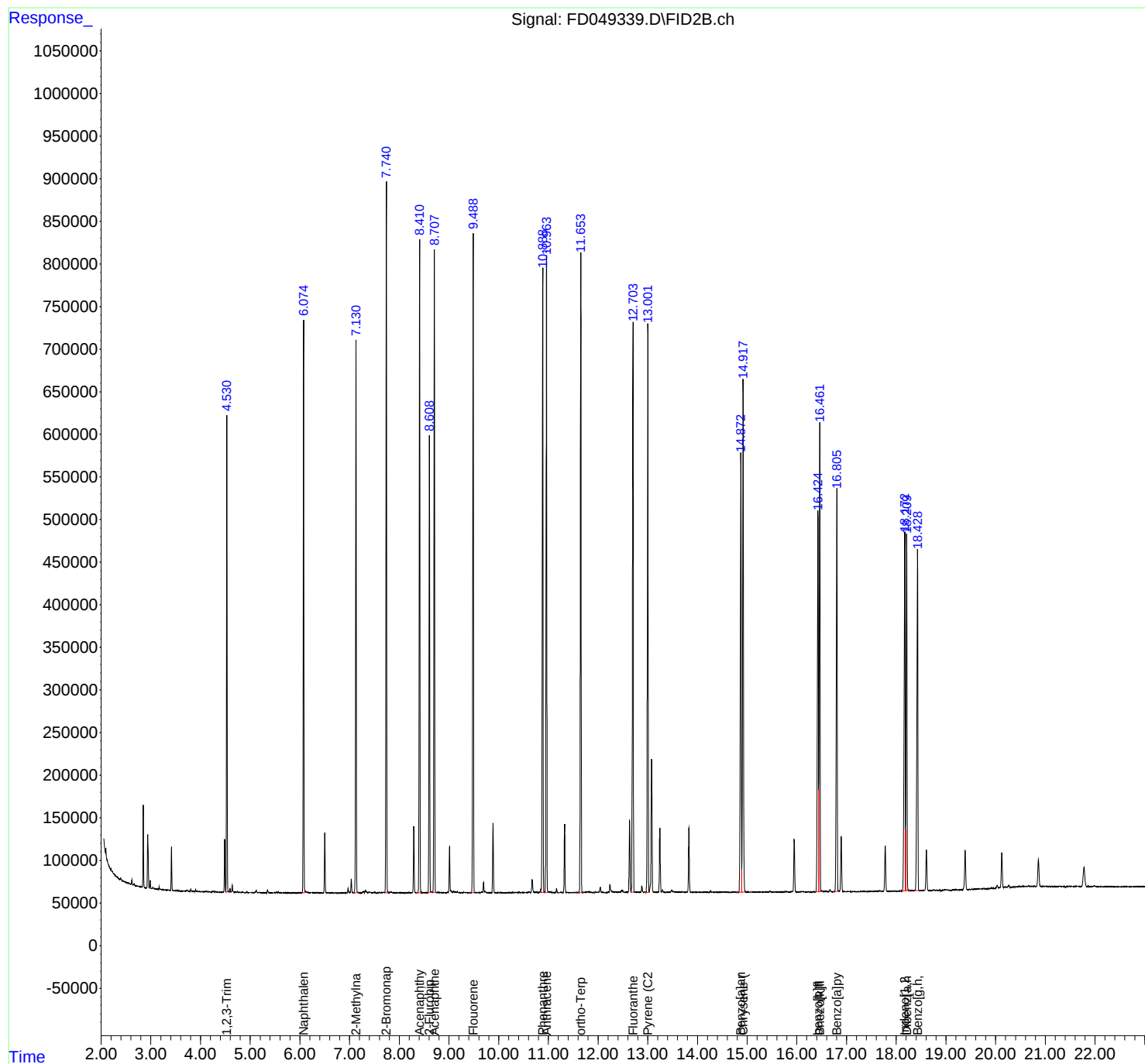
Response via : Initial Calibration

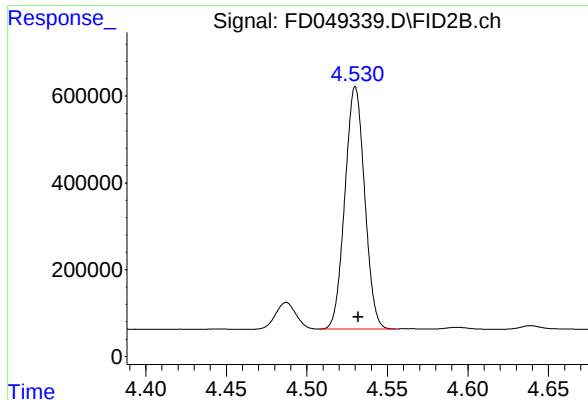
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Signal Info : 20M x 0.18mm x 0.18µm





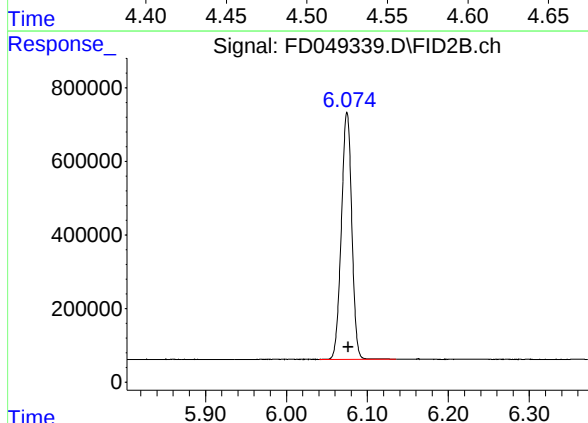
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.530 min
Delta R.T.: -0.002 min
Response: 4763474
Conc: 38.15 ug/ml

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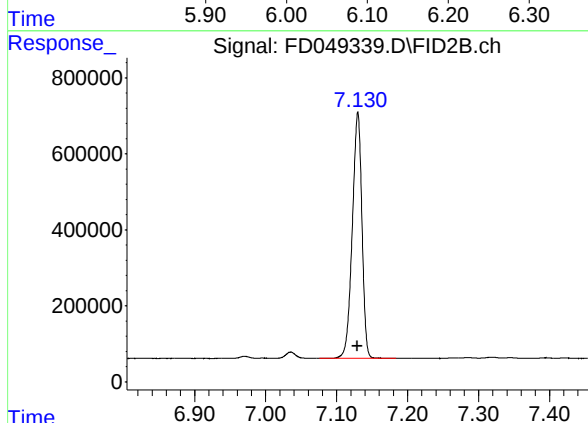
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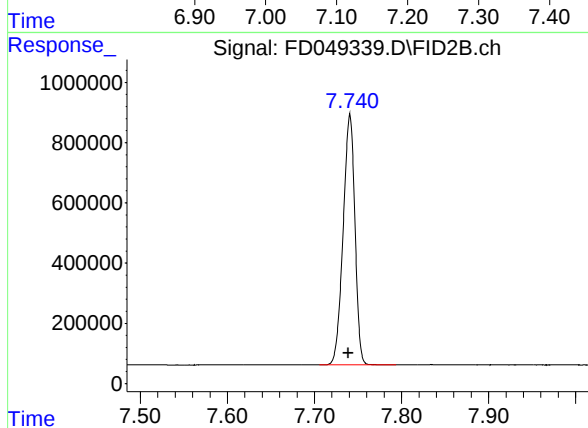
#2 Naphthalene (C11.7)

R.T.: 6.075 min
Delta R.T.: -0.001 min
Response: 6013054
Conc: 45.48 ug/ml



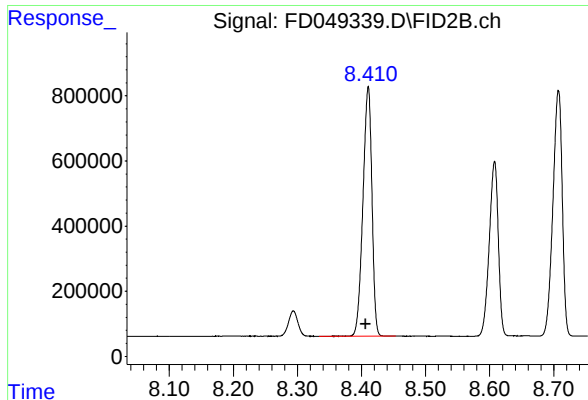
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.130 min
Delta R.T.: 0.001 min
Response: 6106745
Conc: 47.34 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.741 min
Delta R.T.: 0.002 min
Response: 7825365
Conc: 66.00 ug/ml



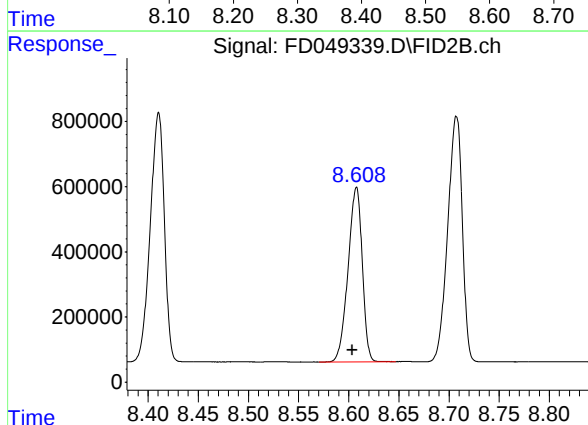
#5 Acenaphthylene (C15.06)

R.T.: 8.411 min
Delta R.T.: 0.004 min
Response: 7481857
Conc: 53.00 ug/ml

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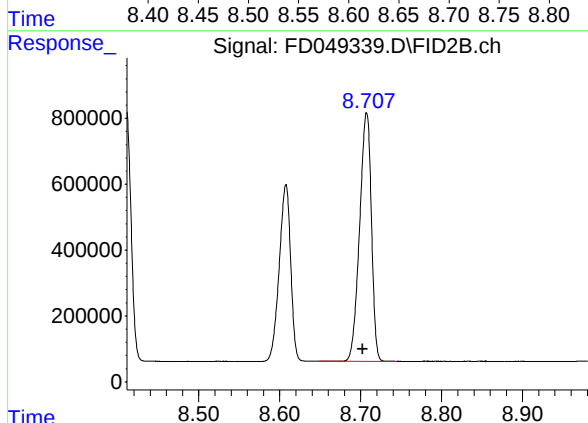
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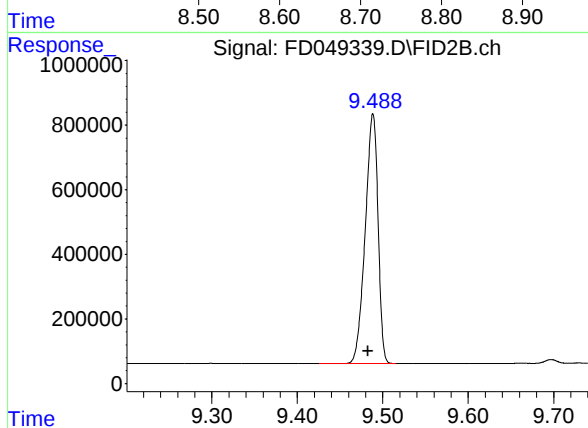
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.608 min
Delta R.T.: 0.004 min
Response: 5262094
Conc: 66.63 ug/ml



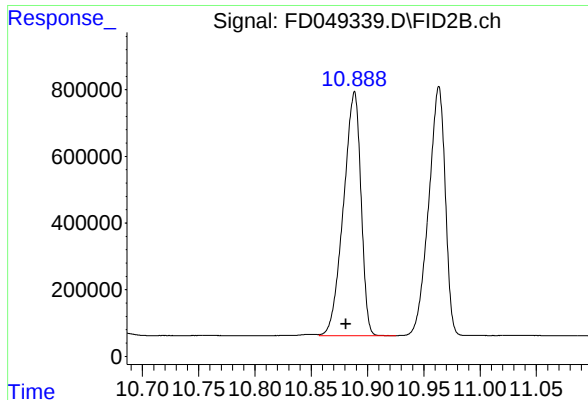
#7 Acenaphthene (C15.5)

R.T.: 8.707 min
Delta R.T.: 0.005 min
Response: 7626749
Conc: 55.66 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.489 min
Delta R.T.: 0.006 min
Response: 8032893
Conc: 59.02 ug/ml



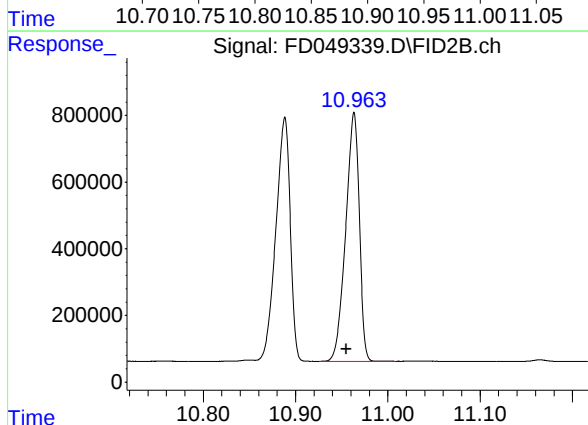
#9 Phenanthrene (C19.36)

R.T.: 10.888 min
Delta R.T.: 0.007 min
Response: 7915060
Conc: 58.71 ug/ml

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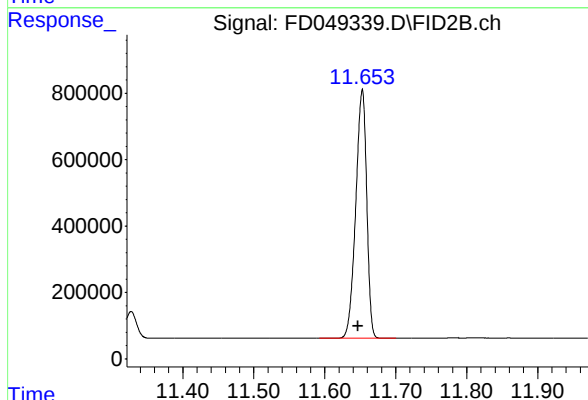
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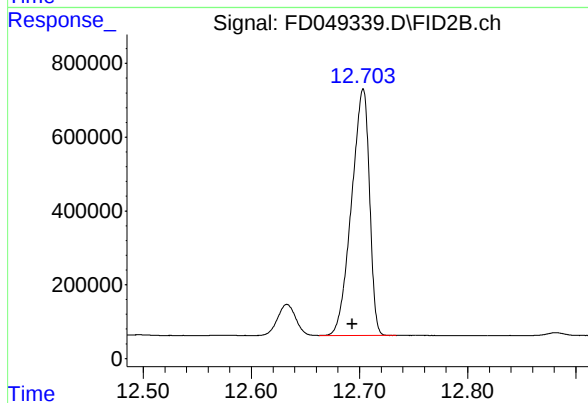
#10 Anthracene (C19.43)

R.T.: 10.963 min
Delta R.T.: 0.008 min
Response: 7670382
Conc: 64.86 ug/ml



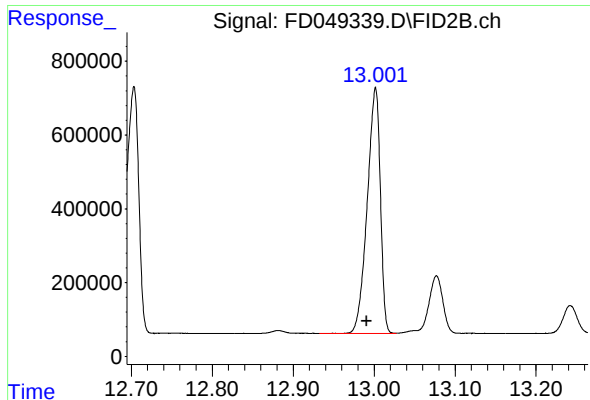
#11 ortho-Terphenyl (SURRE)

R.T.: 11.653 min
Delta R.T.: 0.006 min
Response: 8035198
Conc: 58.22 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.703 min
Delta R.T.: 0.010 min
Response: 7702797
Conc: 57.16 ug/ml



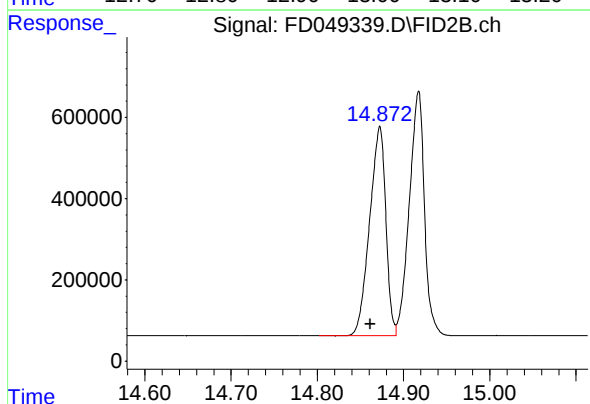
#13 Pyrene (C20.8)

R.T.: 13.002 min
Delta R.T.: 0.011 min
Response: 7485941
Conc: 55.34 ug/ml

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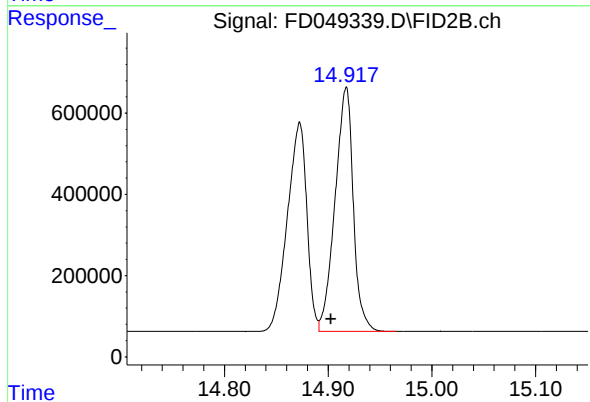
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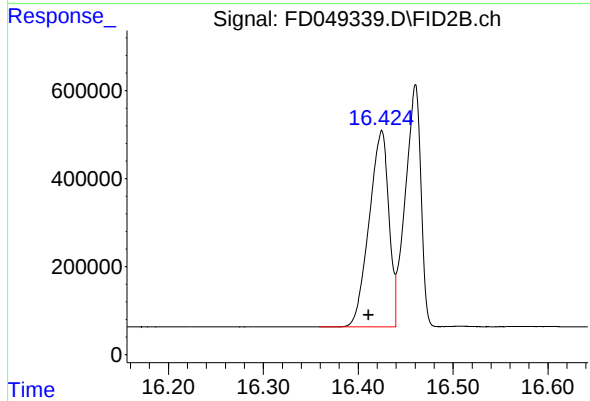
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.873 min
Delta R.T.: 0.011 min
Response: 6705459
Conc: 58.54 ug/ml



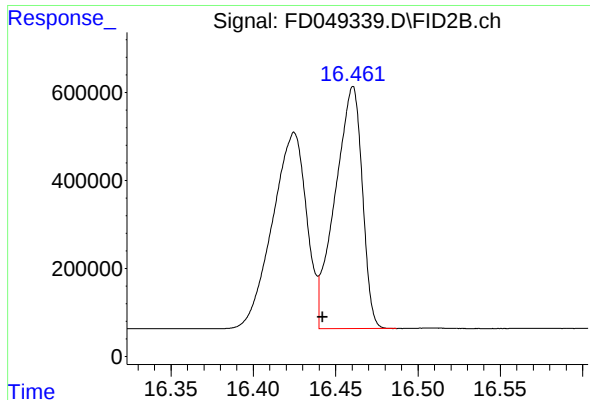
#15 Chrysene (C27.41)

R.T.: 14.917 min
Delta R.T.: 0.015 min
Response: 7349763
Conc: 62.97 ug/ml



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

R.T.: 16.425 min
Delta R.T.: 0.014 min
Response: 6435651
Conc: 53.02 ug/ml



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

R.T.: 16.461 min
Delta R.T.: 0.018 min
Response: 6228055
Conc: 52.22 ug/ml

Instrument :

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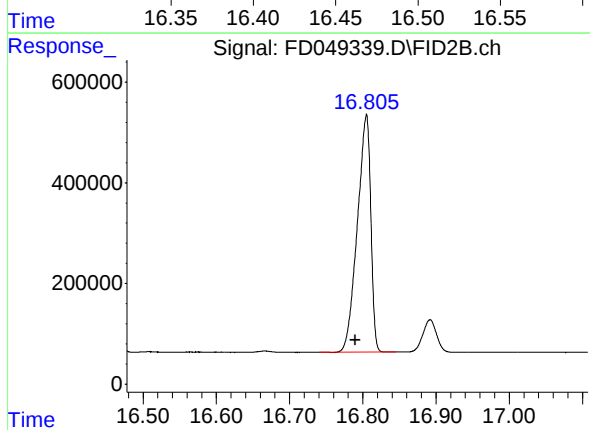
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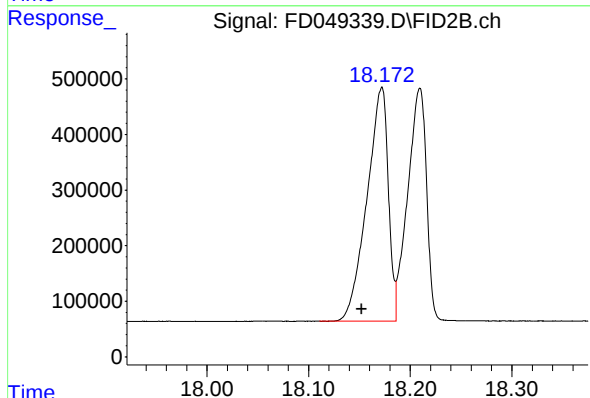
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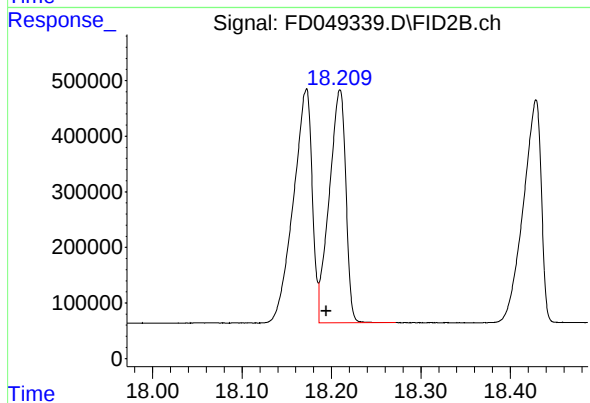
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.805 min
Delta R.T.: 0.015 min
Response: 6008758
Conc: 52.26 ug/ml



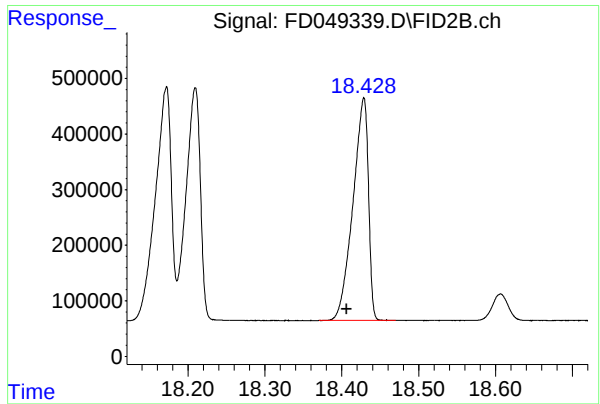
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.172 min
Delta R.T.: 0.020 min
Response: 6126316
Conc: 55.82 ug/ml



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

R.T.: 18.209 min
Delta R.T.: 0.015 min
Response: 5397000
Conc: 51.10 ug/ml



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

R.T.: 18.429 min
Delta R.T.: 0.022 min
Response: 5601535
Conc: 47.00 ug/ml

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