

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD050225AR\
 Data File : FD049312.D
 Signal(s) : FID2B.ch
 Acq On : 02 May 2025 14:03
 Operator : YP/AJ
 Sample : PB167840BSD
 Misc :
 ALS Vial : 63 Sample Multiplier: 1

Instrument :

FID_D

ClientSampleId :

PB167840BSD

Manual Integrations**APPROVED**

Reviewed By :Yogesh Patel 05/06/2025

Supervised By :mohammad ahmed 05/07/2025

Integration File: autoint1.e

Quant Time: May 03 00:34:29 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	7685443	64.818 ug/ml
Spiked Amount 50.000		Recovery =	129.64%
6) S 2-Fluorobiphenyl (SURR)	8.608	5373602	68.044 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	136.09%#
11) S ortho-Terphenyl (SURR)	11.653	7914730	57.345 ug/ml
Spiked Amount 50.000		Recovery =	114.69%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.532	4816213	38.574 ug/ml
2) T Naphthalene (C11.7)	6.076	5686388	43.012 ug/ml
3) T 2-Methylnaphthalene (...)	7.131	5542370	42.963 ug/ml
5) T Acenaphthylene (C15.06)	8.411	6847445	48.507 ug/ml
7) T Acenaphthene (C15.5)	8.708	7245753	52.884 ug/ml
8) T Fluorene (C16.55)	9.489	7626291	56.028 ug/ml
9) T Phenanthrene (C19.36)	10.889	8205734	60.863 ug/ml
10) T Anthracene (C19.43)	10.965	8007053	67.702 ug/ml
12) T Fluoranthene (C21.85)	12.705	8528804	63.286 ug/ml
13) T Pyrene (C20.8)	13.005	8580870	63.433 ug/ml
14) T Benzo[a]anthracene (C...	14.876	7790539	68.013 ug/ml
15) T Chrysene (C27.41)	14.922	8344622	71.497 ug/ml
16) T benzo[b]fluoranthene ...	16.429	7669576	63.183 ug/ml
17) T Bnezo[k]fluoranthene ...	16.465	7644071	64.094 ug/mlm
18) T Benzo[a]pyrene (C31.34)	16.809	7349729	63.920 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.177	7708525	70.241 ug/ml
20) T Dibenz[a,h]anthracene...	18.215	7102723	67.251 ug/mlm
21) T Benzo[g,h,i]perylene ...	18.435	7302115	61.275 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Misc :
ALS Vial : 63 Sample Multiplier: 1

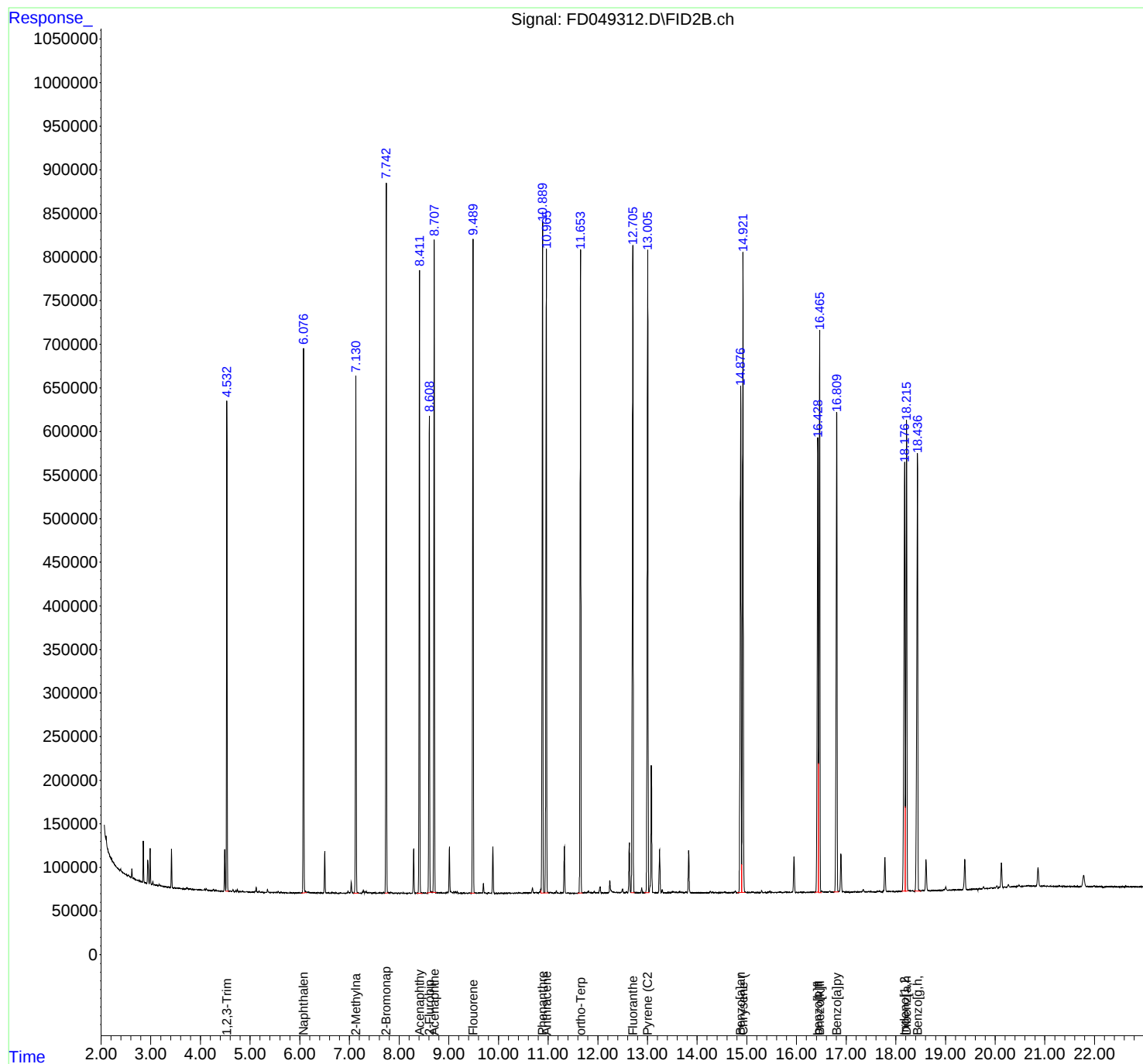
Instrument :
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PB167840BSD

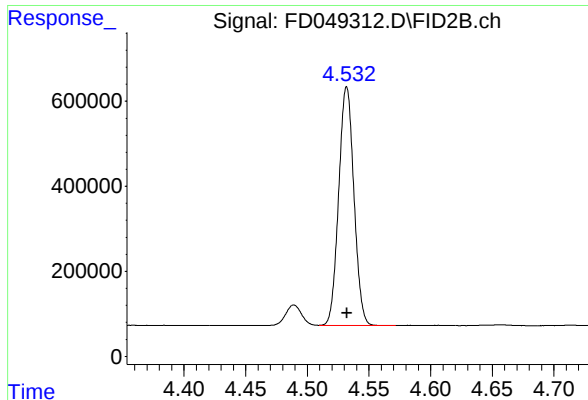
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Quant Title : GC Extractables
QLast Update : Thu May 01 13:29:48 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm





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

R.T.: 4.532 min
Delta R.T.: 0.000 min
Response: 4816213
Conc: 38.57 ug/ml

Instrument :

FID_D

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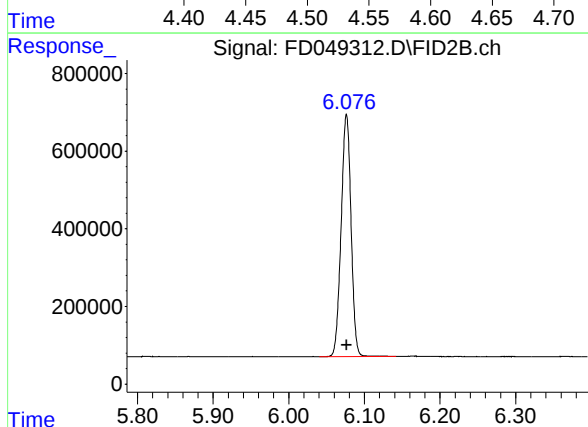
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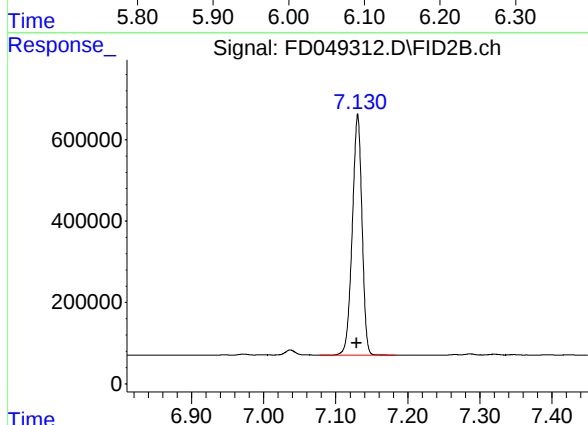
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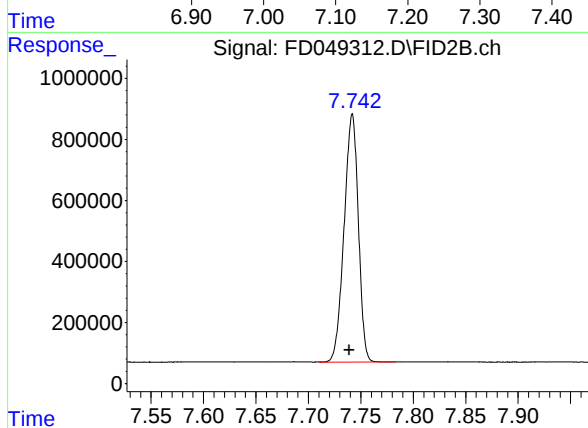
#2 Naphthalene (C11.7)

R.T.: 6.076 min
Delta R.T.: 0.000 min
Response: 5686388
Conc: 43.01 ug/ml



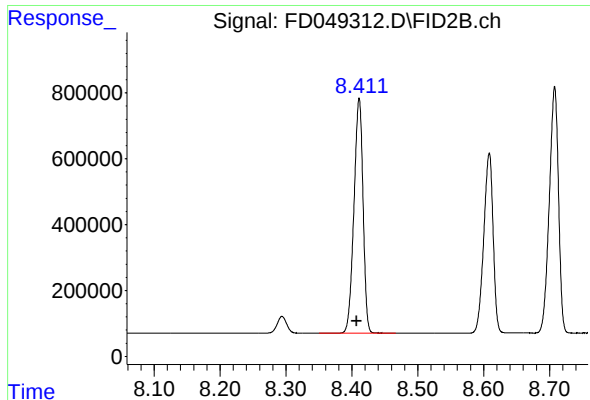
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.131 min
Delta R.T.: 0.002 min
Response: 5542370
Conc: 42.96 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.742 min
Delta R.T.: 0.003 min
Response: 7685443
Conc: 64.82 ug/ml



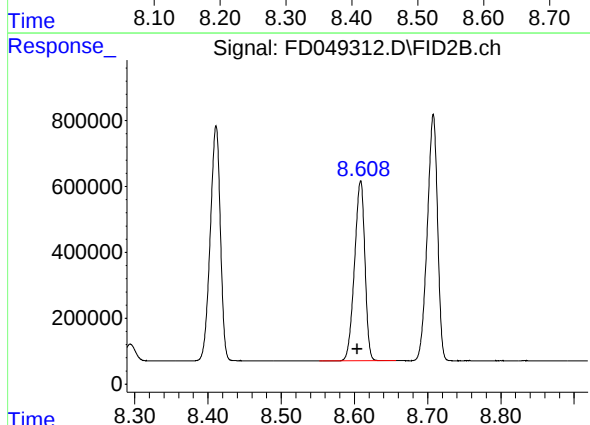
#5 Acenaphthylene (C15.06)

R.T.: 8.411 min
Delta R.T.: 0.004 min
Response: 6847445
Conc: 48.51 ug/ml

Instrument :
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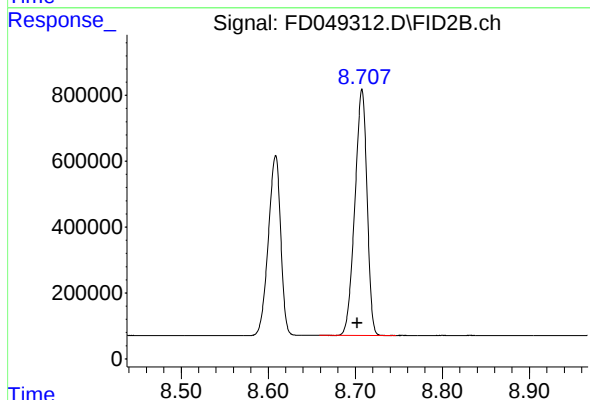
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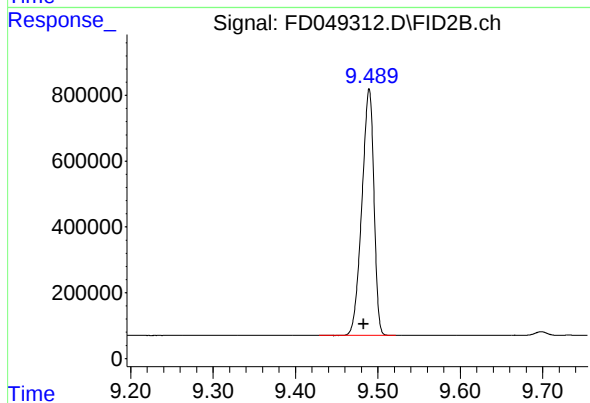
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.608 min
Delta R.T.: 0.005 min
Response: 5373602
Conc: 68.04 ug/ml



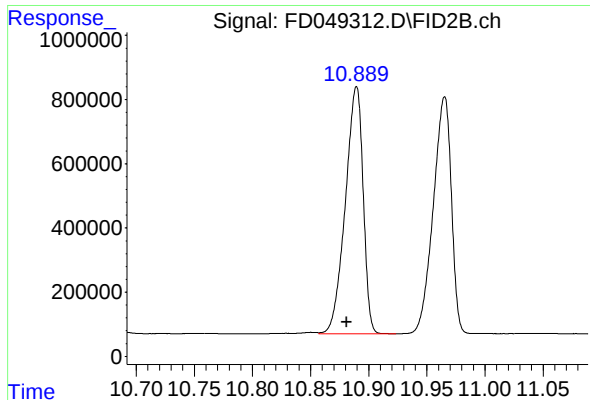
#7 Acenaphthene (C15.5)

R.T.: 8.708 min
Delta R.T.: 0.006 min
Response: 7245753
Conc: 52.88 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.489 min
Delta R.T.: 0.007 min
Response: 7626291
Conc: 56.03 ug/ml



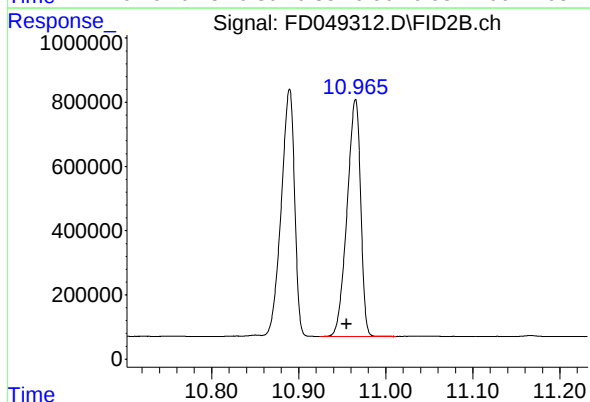
#9 Phenanthrene (C19.36)

R.T.: 10.889 min
Delta R.T.: 0.009 min
Response: 8205734
Conc: 60.86 ug/ml

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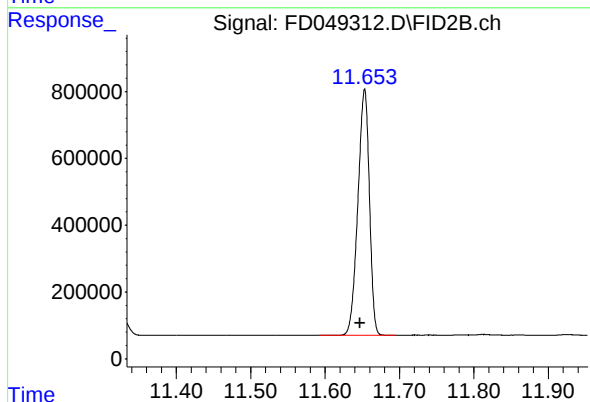
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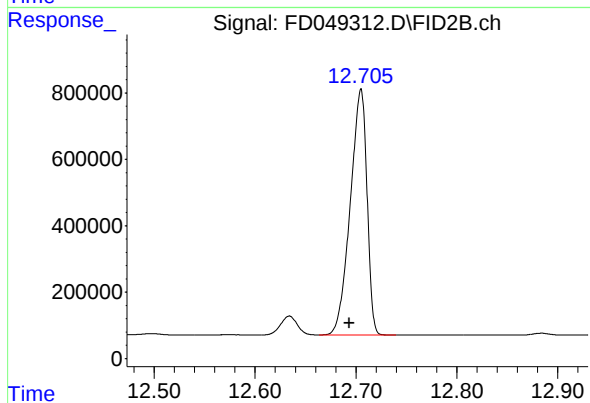
#10 Anthracene (C19.43)

R.T.: 10.965 min
Delta R.T.: 0.010 min
Response: 8007053
Conc: 67.70 ug/ml



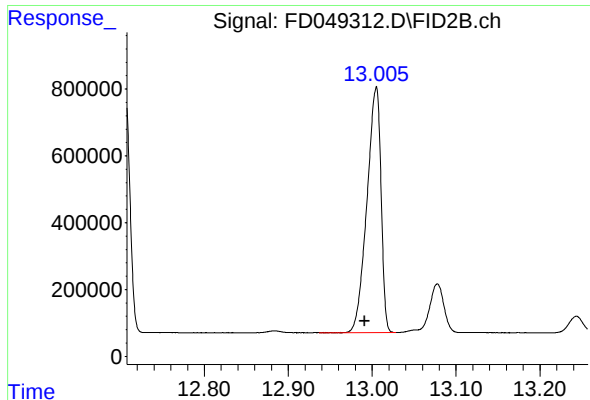
#11 ortho-Terphenyl (SURRE)

R.T.: 11.653 min
Delta R.T.: 0.006 min
Response: 7914730
Conc: 57.34 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.705 min
Delta R.T.: 0.012 min
Response: 8528804
Conc: 63.29 ug/ml



#13 Pyrene (C20.8)

R.T.: 13.005 min
Delta R.T.: 0.014 min
Response: 8580870
Conc: 63.43 ug/ml

Instrument :

FID_D

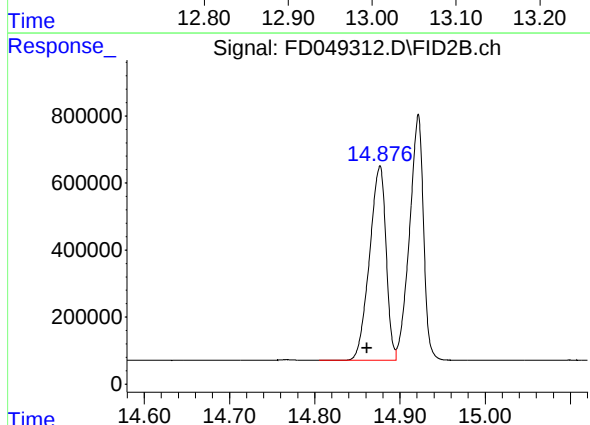
ClientSampleId :

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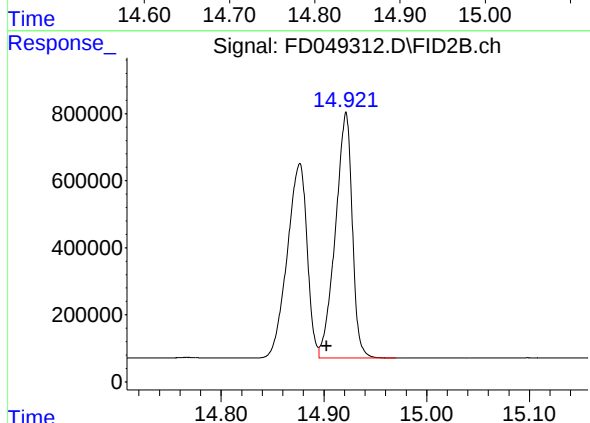
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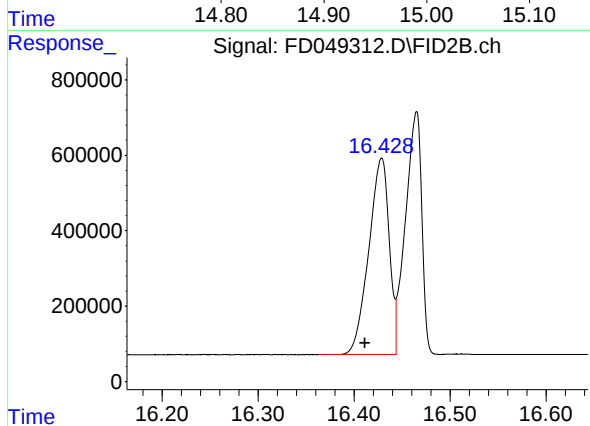
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.876 min
Delta R.T.: 0.015 min
Response: 7790539
Conc: 68.01 ug/ml



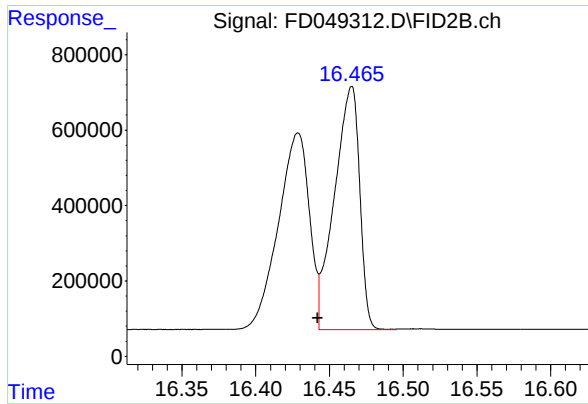
#15 Chrysene (C27.41)

R.T.: 14.922 min
Delta R.T.: 0.019 min
Response: 8344622
Conc: 71.50 ug/ml



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

R.T.: 16.429 min
Delta R.T.: 0.018 min
Response: 7669576
Conc: 63.18 ug/ml



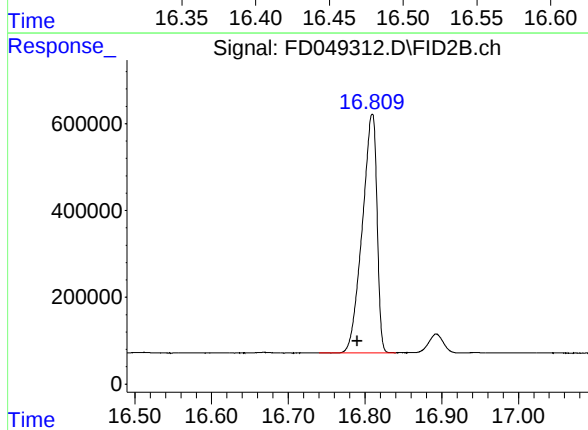
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.465 min
Delta R.T.: 0.023 min
Response: 7644071
Conc: 64.09 ug/ml

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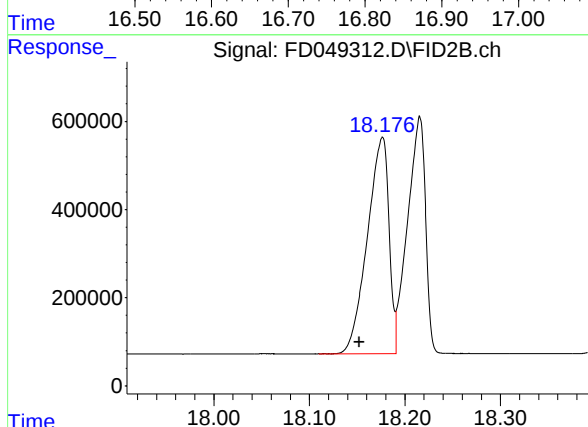
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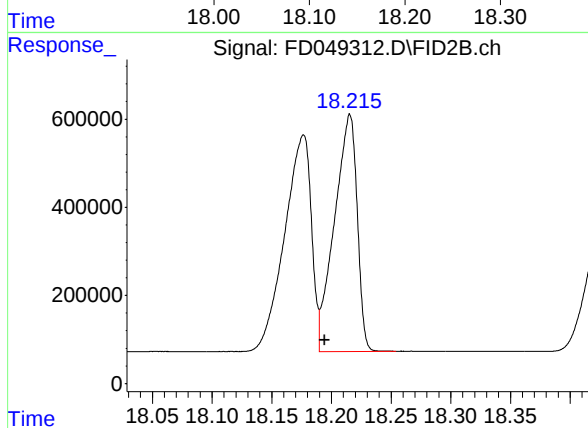
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.809 min
Delta R.T.: 0.020 min
Response: 7349729
Conc: 63.92 ug/ml



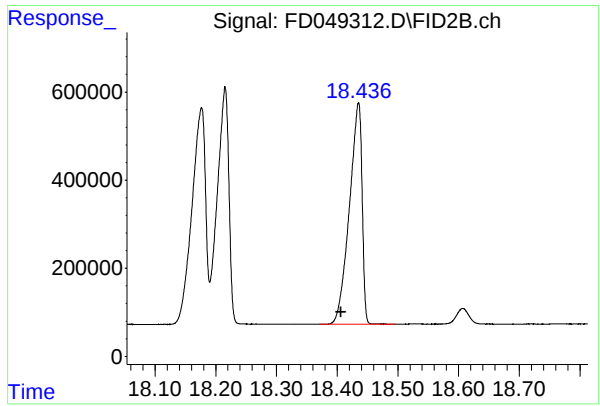
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.177 min
Delta R.T.: 0.024 min
Response: 7708525
Conc: 70.24 ug/ml



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

R.T.: 18.215 min
Delta R.T.: 0.021 min
Response: 7102723
Conc: 67.25 ug/ml m



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

R.T.: 18.435 min
Delta R.T.: 0.029 min
Response: 7302115
Conc: 61.27 ug/ml

Instrument :

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