

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD032625AR\
 Data File : FD049191.D
 Signal(s) : FID2B.ch
 Acq On : 26 Mar 2025 10:26
 Operator : YP/AJ
 Sample : 100 PPM AROMATIC HC STD1
 Misc :
 ALS Vial : 61 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 100 PPM AROMATIC HC STD1

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 03/27/2025
 Supervised By :mohammad ahmed 03/28/2025

Integration File: autoint1.e
 Quant Time: Mar 26 13:20:39 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 032625.M
 Quant Title : GC Extractables
 QLast Update : Wed Mar 26 13:15:41 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...	7.334	18130835	97.581 ug/ml
Spiked Amount 50.000		Recovery =	195.16%
6) S 2-Fluorobiphenyl (SURR)	8.184	11833860	116.769 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	233.54%#
11) S ortho-Terphenyl (SURR)	11.218	19977836	95.941 ug/ml
Spiked Amount 50.000		Recovery =	191.88%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.159	19678930	99.939 ug/ml
2) T Naphthalene (C11.7)	5.675	20327884	100.092 ug/ml
3) T 2-Methylnaphthalene (...)	6.722	19864792	99.056 ug/ml
5) T Acenaphthylene (C15.06)	7.988	20280201	96.746 ug/ml
7) T Acenaphthene (C15.5)	8.283	19859757	94.773 ug/ml
8) T Fluorene (C16.55)	9.062	20028148	98.339 ug/ml
9) T Phenanthrene (C19.36)	10.449	19495274	100.674 ug/ml
10) T Anthracene (C19.43)	10.525	19013890	98.075 ug/ml
12) T Fluoranthene (C21.85)	12.255	19459259	97.520 ug/ml
13) T Pyrene (C20.8)	12.547	19268440	94.151 ug/ml
14) T Benzo[a]anthracene (C...	14.418	18004135	107.327 ug/ml
15) T Chrysene (C27.41)	14.463	18238308	90.310 ug/ml
16) T benzo[b]fluoranthene ...	15.967	17023629	96.553 ug/ml
17) T Bnezo[k]fluoranthene ...	16.006	16989152	83.337 ug/mlm
18) T Benzo[a]pyrene (C31.34)	16.343	15722681	97.441 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.711	13234318	123.201 ug/ml
20) T Dibenz[a,h]anthracene...	17.746	14013002	84.048 ug/ml
21) T Benzo[g,h,i]perylene ...	17.965	14406668	83.897 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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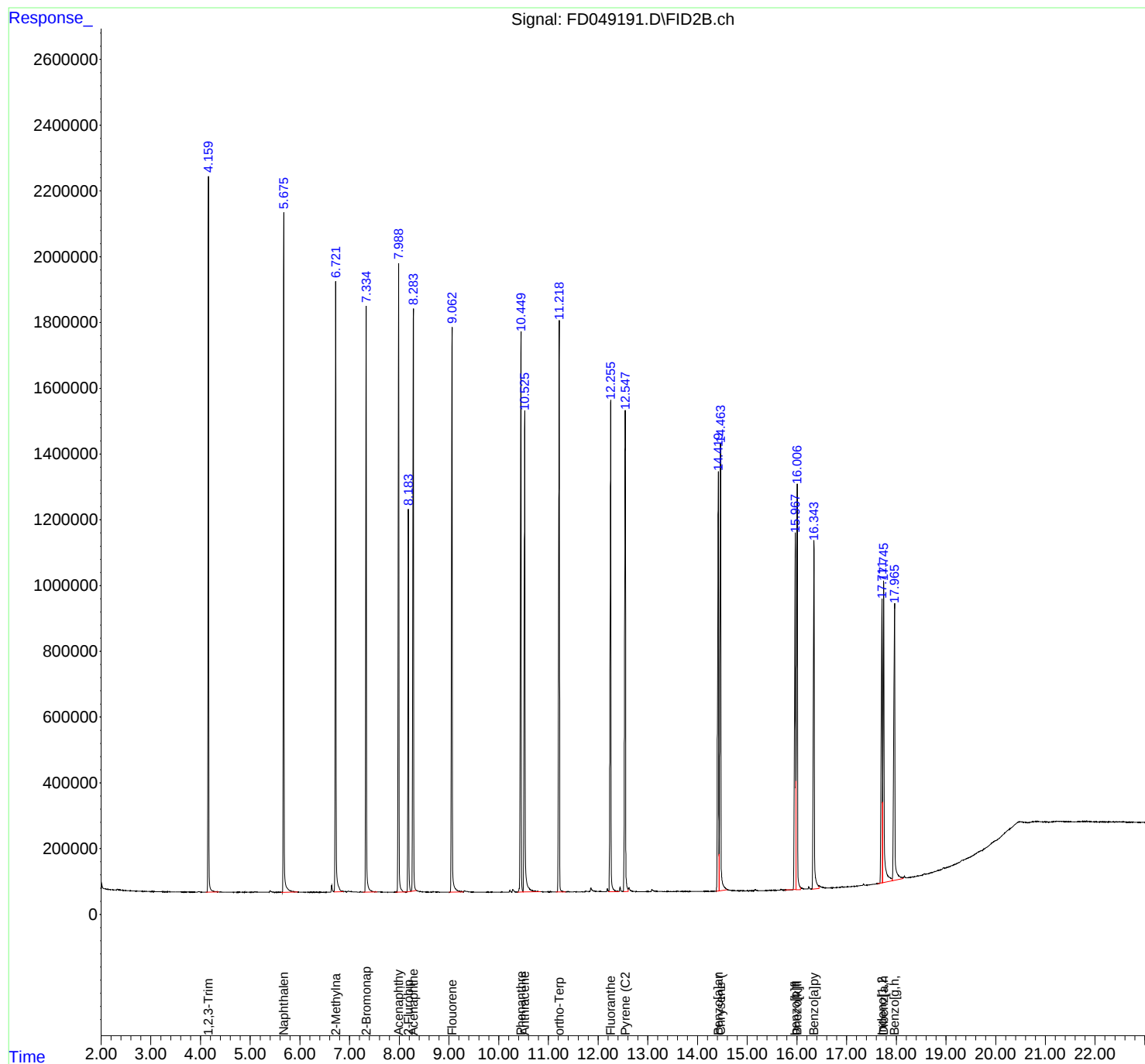
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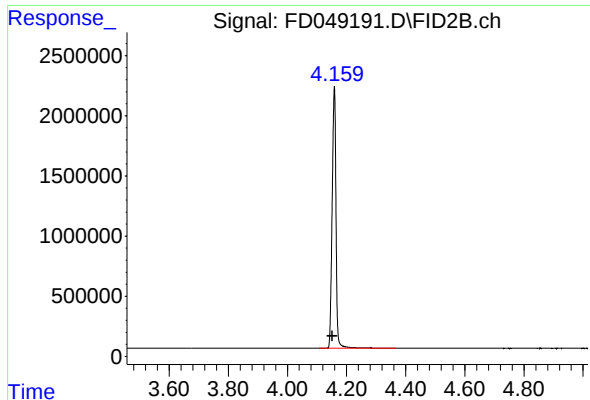
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#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.159 min
Delta R.T.: 0.007 min
Response: 19678930
Conc: 99.94 ug/ml

Instrument :

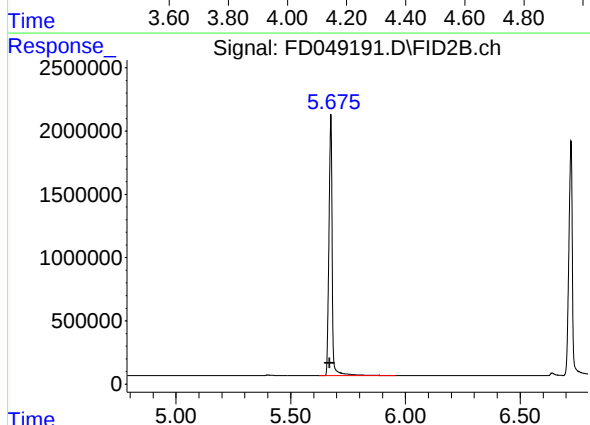
FID_D

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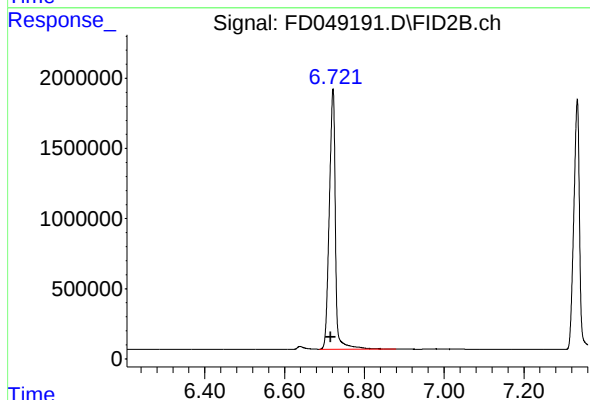
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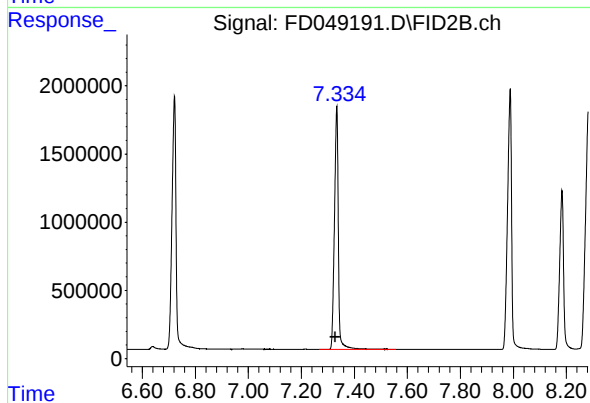
#2 Naphthalene (C11.7)

R.T.: 5.675 min
Delta R.T.: 0.005 min
Response: 20327884
Conc: 100.09 ug/ml



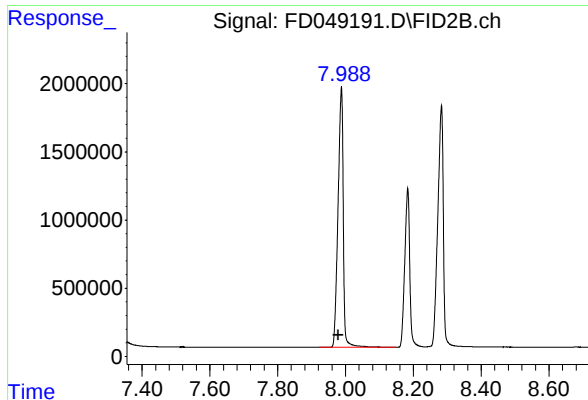
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.722 min
Delta R.T.: 0.006 min
Response: 19864792
Conc: 99.06 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.334 min
Delta R.T.: 0.005 min
Response: 18130835
Conc: 97.58 ug/ml



#5 Acenaphthylene (C15.06)

R.T.: 7.988 min
Delta R.T.: 0.010 min
Response: 20280201
Conc: 96.75 ug/ml

Instrument :

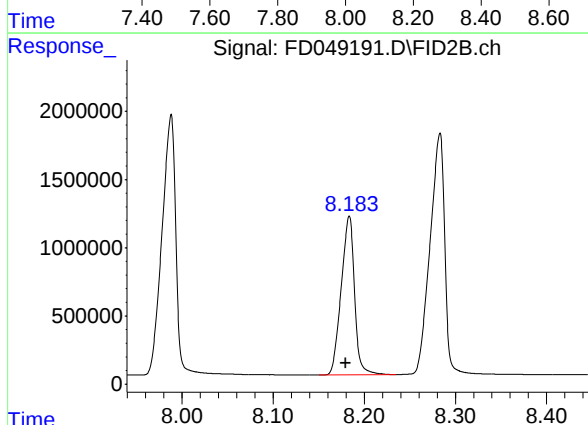
FID_D

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100 PPM AROMATIC HC STD1

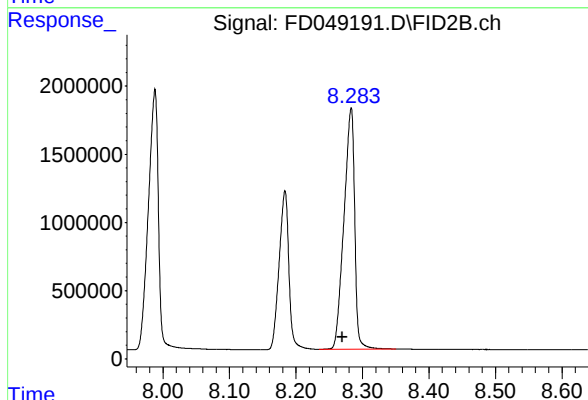
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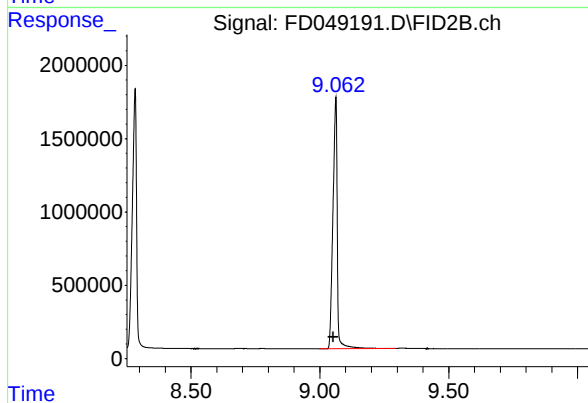
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.184 min
Delta R.T.: 0.004 min
Response: 11833860
Conc: 116.77 ug/ml



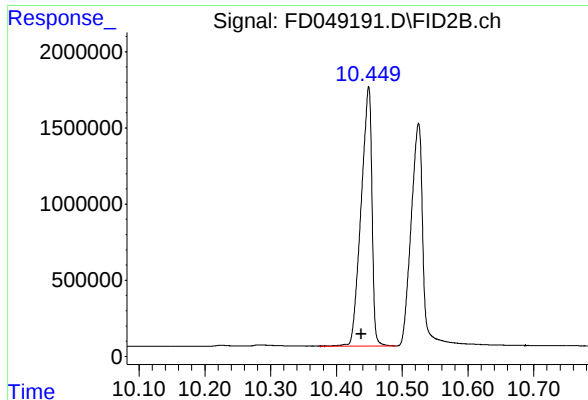
#7 Acenaphthene (C15.5)

R.T.: 8.283 min
Delta R.T.: 0.013 min
Response: 19859757
Conc: 94.77 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.062 min
Delta R.T.: 0.010 min
Response: 20028148
Conc: 98.34 ug/ml



#9 Phenanthrene (C19.36)

R.T.: 10.449 min
Delta R.T.: 0.011 min
Response: 19495274
Conc: 100.67 ug/ml

Instrument :

FID_D

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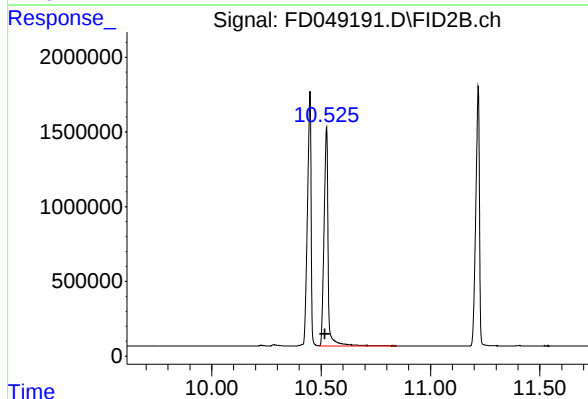
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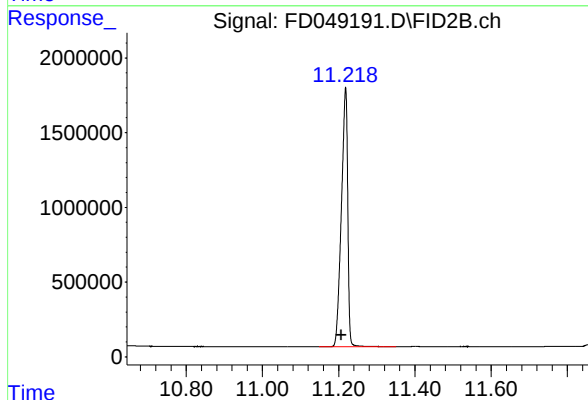
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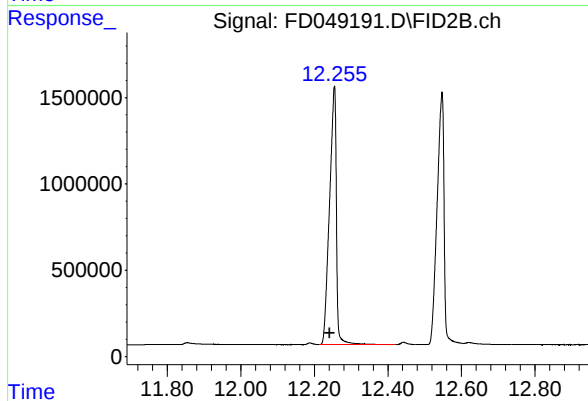
#10 Anthracene (C19.43)

R.T.: 10.525 min
Delta R.T.: 0.008 min
Response: 19013890
Conc: 98.07 ug/ml



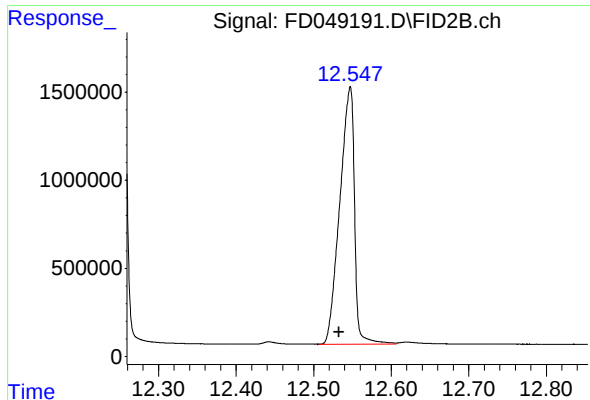
#11 ortho-Terphenyl (SURR)

R.T.: 11.218 min
Delta R.T.: 0.012 min
Response: 19977836
Conc: 95.94 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.255 min
Delta R.T.: 0.013 min
Response: 19459259
Conc: 97.52 ug/ml



#13 Pyrene (C20.8)

R.T.: 12.547 min
Delta R.T.: 0.015 min
Response: 19268440
Conc: 94.15 ug/ml

Instrument :

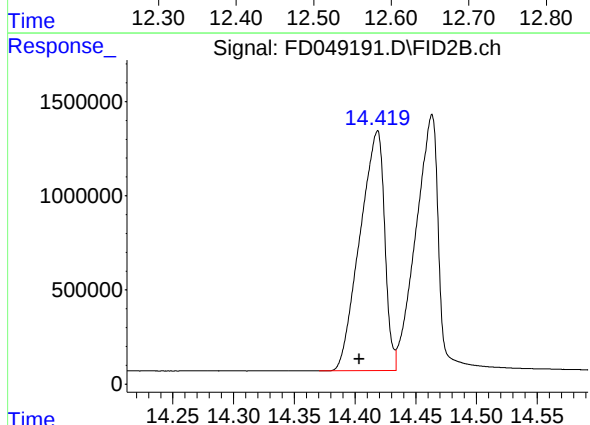
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ClientSampleId :

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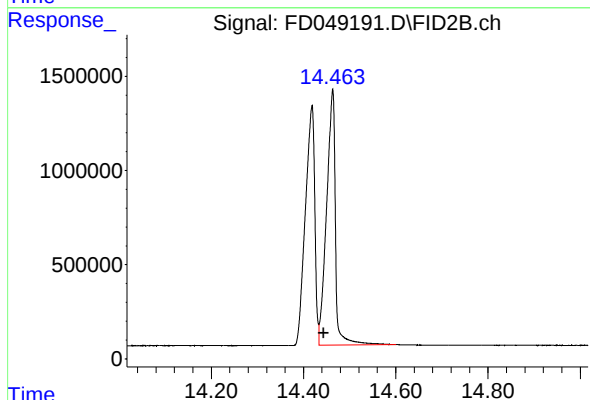
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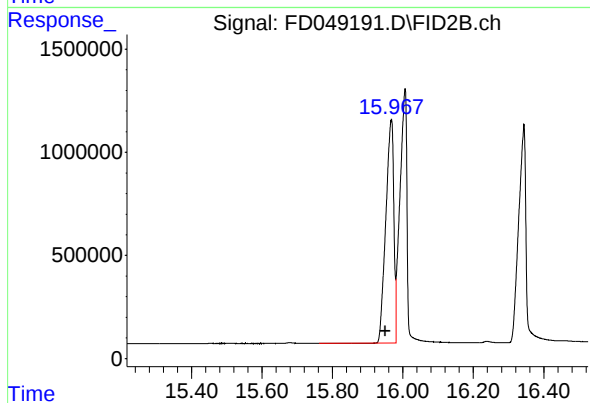
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.418 min
Delta R.T.: 0.015 min
Response: 18004135
Conc: 107.33 ug/ml



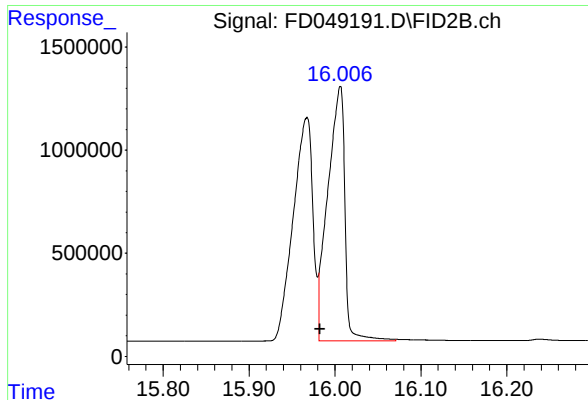
#15 Chrysene (C27.41)

R.T.: 14.463 min
Delta R.T.: 0.019 min
Response: 18238308
Conc: 90.31 ug/ml



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

R.T.: 15.967 min
Delta R.T.: 0.017 min
Response: 17023629
Conc: 96.55 ug/ml



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

R.T.: 16.006 min
Delta R.T.: 0.023 min
Response: 16989152
Conc: 83.34 ug/ml

Instrument :

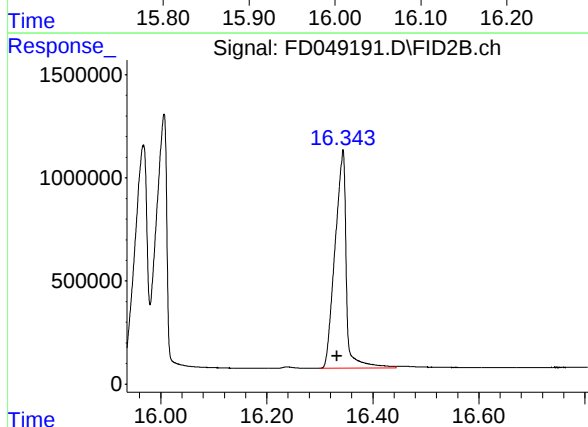
FID_D

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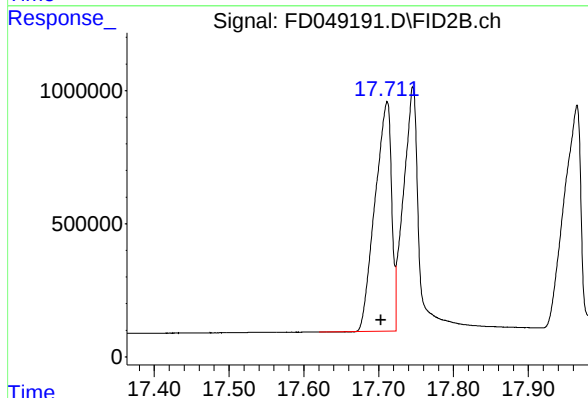
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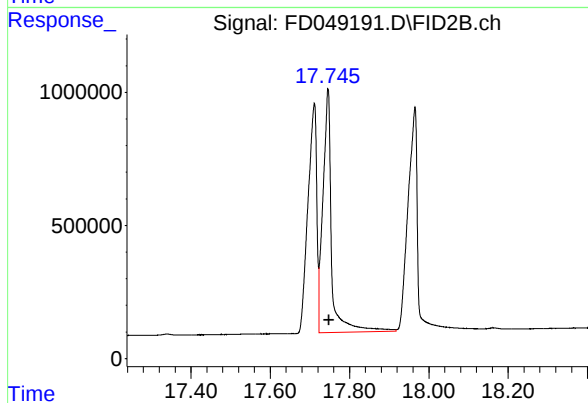
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.343 min
Delta R.T.: 0.011 min
Response: 15722681
Conc: 97.44 ug/ml



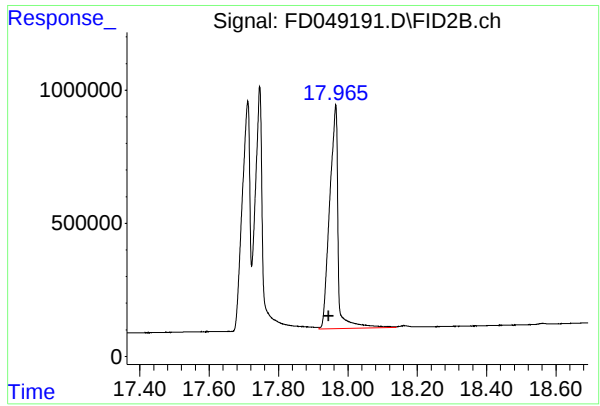
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.711 min
Delta R.T.: 0.009 min
Response: 13234318
Conc: 123.20 ug/ml



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

R.T.: 17.746 min
Delta R.T.: -0.003 min
Response: 14013002
Conc: 84.05 ug/ml



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

R.T.: 17.965 min
Delta R.T.: 0.021 min
Response: 14406668
Conc: 83.90 ug/ml

Instrument :

FID_D

ClientSampleId :

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