

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD123124AR\
 Data File : FD048918.D
 Signal(s) : FID2B.ch
 Acq On : 31 Dec 2024 09:12
 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 12/31/2024

Supervised By :Ankita Jodhani 01/02/2025

Integration File: autoint1.e

Quant Time: Dec 31 11:21:52 2024

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 123124.M

Quant Title : GC Extractables

QLast Update : Tue Dec 31 11:18:57 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...	7.364	15149545	96.252 ug/ml
Spiked Amount 50.000		Recovery =	192.50%
6) S 2-Fluorobiphenyl (SURR)	8.215	10261663	99.415 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	198.83%#
11) S ortho-Terphenyl (SURR)	11.252	17555098	96.500 ug/ml
Spiked Amount 50.000		Recovery =	193.00%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.185	16584798	97.270 ug/ml
2) T Naphthalene (C11.7)	5.704	17624022	96.447 ug/ml
3) T 2-Methylnaphthalene (...)	6.753	17804814	96.798 ug/ml
5) T Acenaphthylene (C15.06)	8.019	17546150	96.502 ug/ml
7) T Acenaphthene (C15.5)	8.315	17688317	95.425 ug/ml
8) T Fluorene (C16.55)	9.093	17407837	97.208 ug/ml
9) T Phenanthrene (C19.36)	10.482	17374118	97.726 ug/ml
10) T Anthracene (C19.43)	10.558	16195875	96.100 ug/ml
12) T Fluoranthene (C21.85)	12.289	17579715	96.740 ug/ml
13) T Pyrene (C20.8)	12.583	17431897	96.868 ug/ml
14) T Benzo[a]anthracene (C...	14.453	16787526	99.415 ug/ml
15) T Chrysene (C27.41)	14.500	17309510	93.798 ug/ml
16) T benzo[b]fluoranthene ...	16.006	17077099	96.541 ug/mlm
17) T Bnezo[k]fluoranthene ...	16.044	16324141	99.593 ug/mlm
18) T Benzo[a]pyrene (C31.34)	16.381	16661549	97.593 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.753	15481031	103.058 ug/mlm
20) T Dibenz[a,h]anthracene...	17.791	15669460	94.453 ug/mlm
21) T Benzo[g,h,i]perylene ...	18.006	16103825	96.892 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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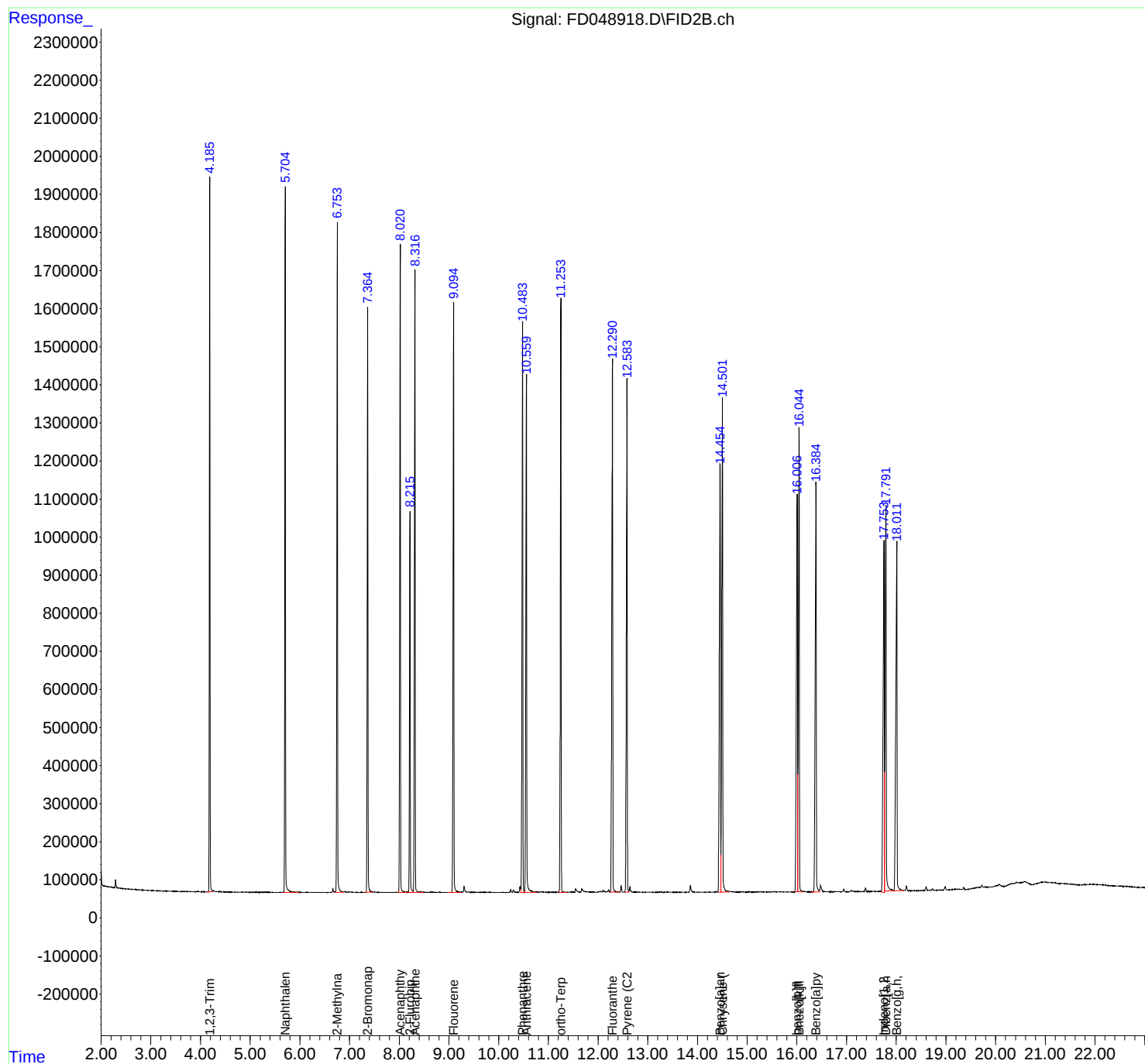
Instrument :
FID_D
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100 PPM AROMATIC HC STD1

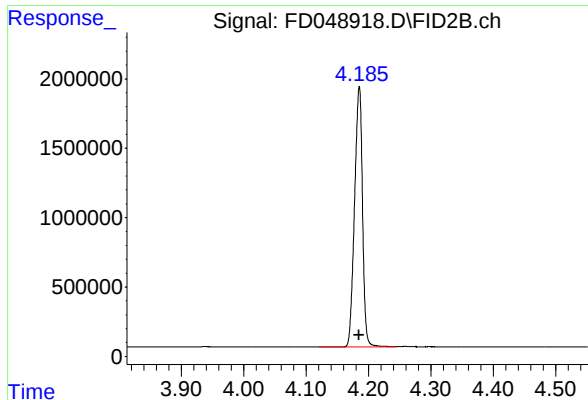
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QLast Update : Tue Dec 31 11:18:57 2024
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Integrator: ChemStation

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.: 4.185 min
Delta R.T.: 0.000 min
Response: 16584798
Conc: 97.27 ug/ml

Instrument :

FID_D

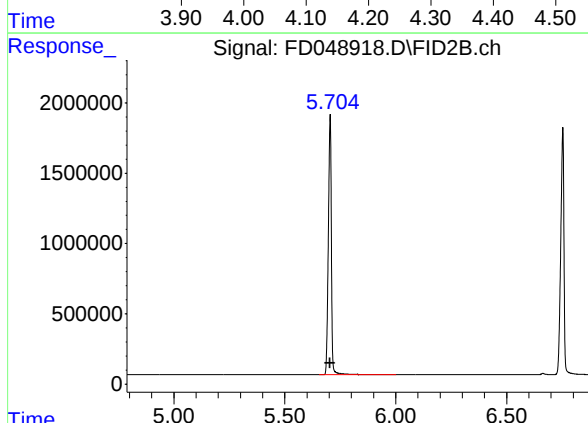
ClientSampleId :

100 PPM AROMATIC HC STD1

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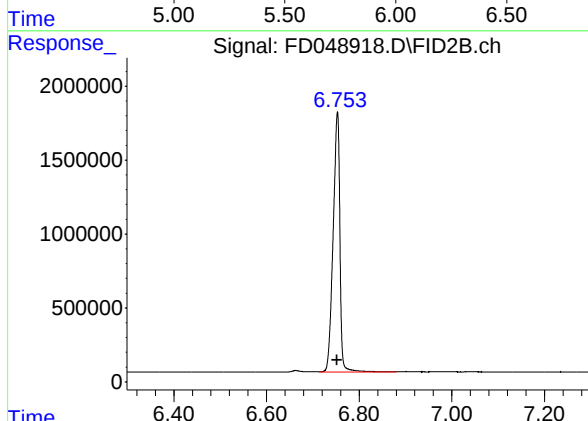
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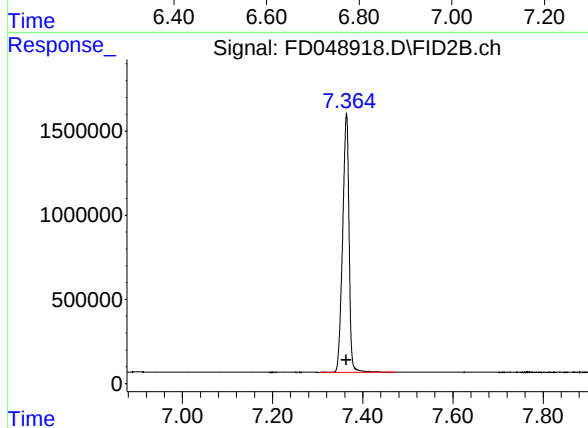
#2 Naphthalene (C11.7)

R.T.: 5.704 min
Delta R.T.: 0.000 min
Response: 17624022
Conc: 96.45 ug/ml



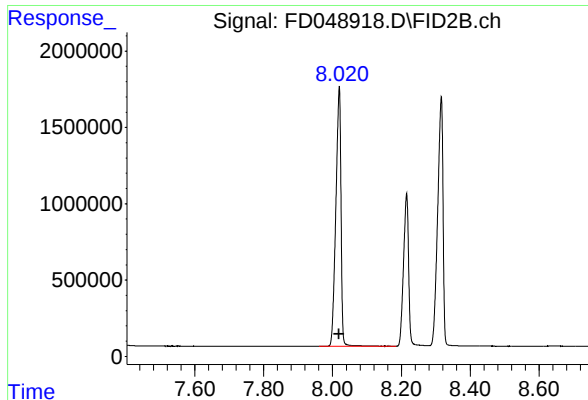
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.753 min
Delta R.T.: 0.000 min
Response: 17804814
Conc: 96.80 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.364 min
Delta R.T.: 0.000 min
Response: 15149545
Conc: 96.25 ug/ml



#5 Acenaphthylene (C15.06)

R.T.: 8.019 min
Delta R.T.: 0.000 min
Response: 17546150
Conc: 96.50 ug/ml

Instrument :

FID_D

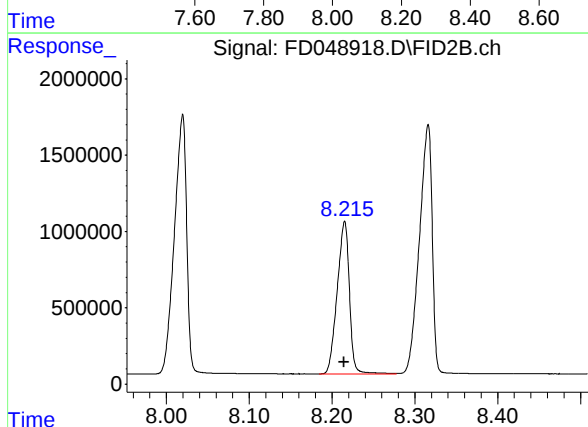
ClientSampleId :

100 PPM AROMATIC HC STD1

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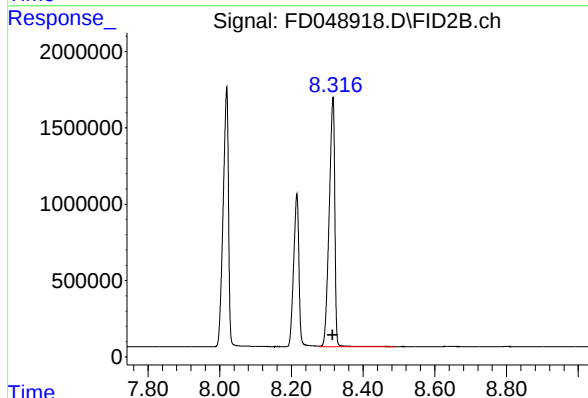
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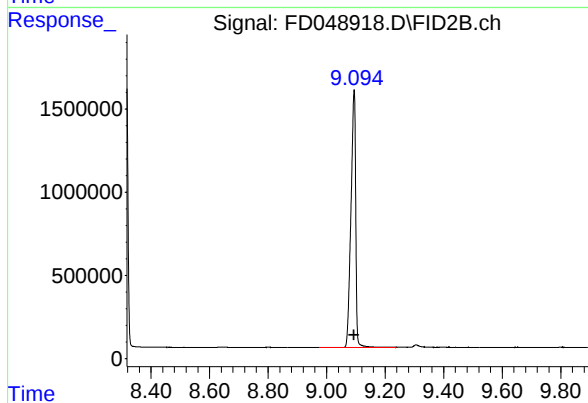
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.215 min
Delta R.T.: 0.000 min
Response: 10261663
Conc: 99.41 ug/ml



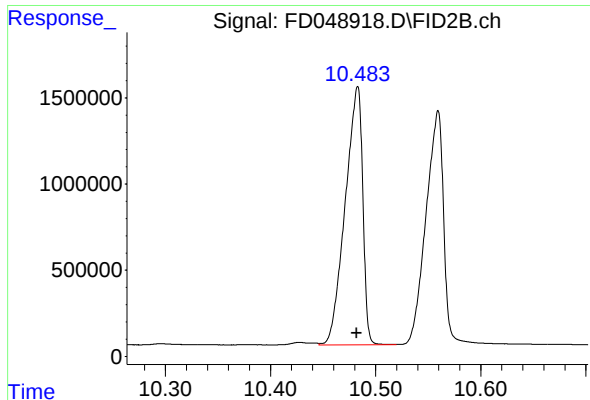
#7 Acenaphthene (C15.5)

R.T.: 8.315 min
Delta R.T.: 0.000 min
Response: 17688317
Conc: 95.43 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.093 min
Delta R.T.: 0.000 min
Response: 17407837
Conc: 97.21 ug/ml



#9 Phenanthrene (C19.36)

R.T.: 10.482 min
Delta R.T.: 0.000 min
Response: 17374118
Conc: 97.73 ug/ml

Instrument :

FID_D

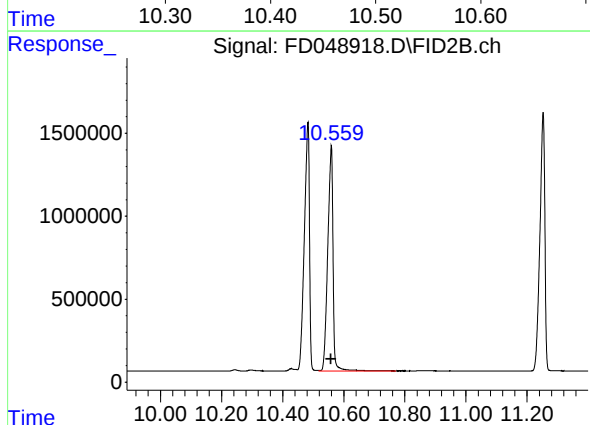
ClientSampleId :

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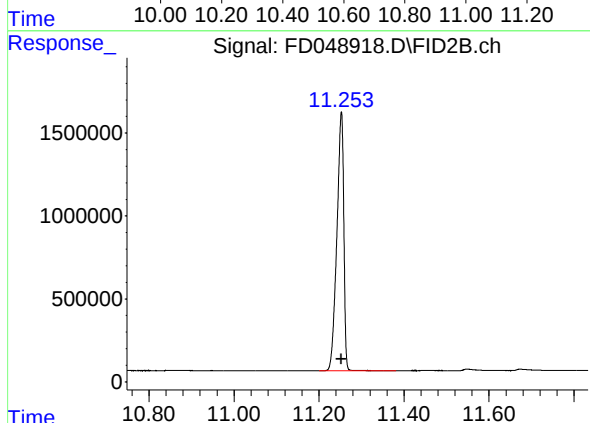
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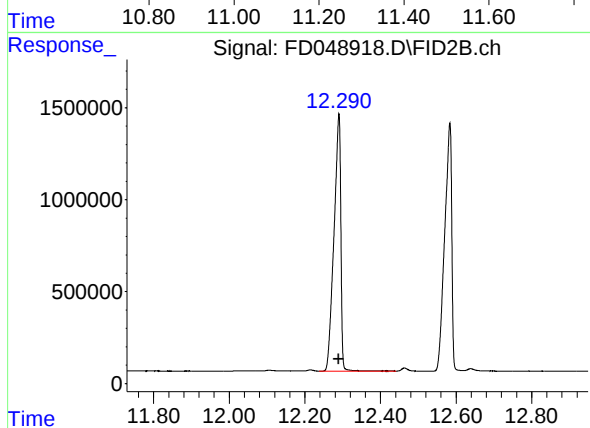
#10 Anthracene (C19.43)

R.T.: 10.558 min
Delta R.T.: 0.000 min
Response: 16195875
Conc: 96.10 ug/ml



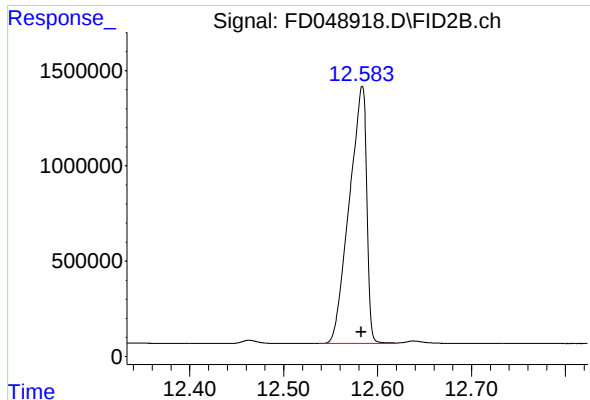
#11 ortho-Terphenyl (SURR)

R.T.: 11.252 min
Delta R.T.: 0.000 min
Response: 17555098
Conc: 96.50 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.289 min
Delta R.T.: 0.000 min
Response: 17579715
Conc: 96.74 ug/ml



#13 Pyrene (C20.8)

R.T.: 12.583 min
Delta R.T.: 0.000 min
Response: 17431897
Conc: 96.87 ug/ml

Instrument :

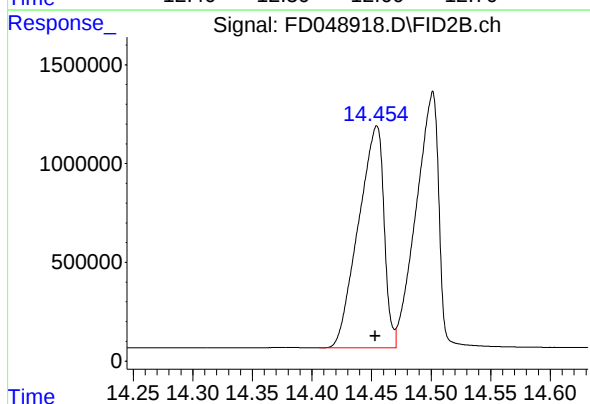
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ClientSampleId :

100 PPM AROMATIC HC STD1

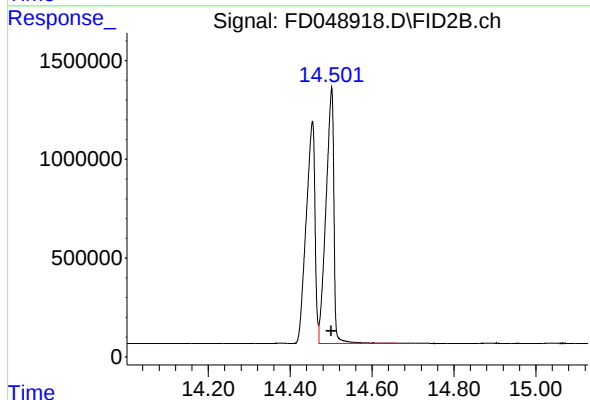
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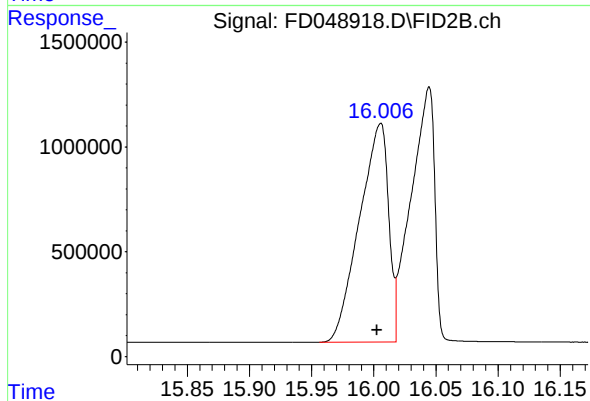
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.453 min
Delta R.T.: 0.000 min
Response: 16787526
Conc: 99.42 ug/ml



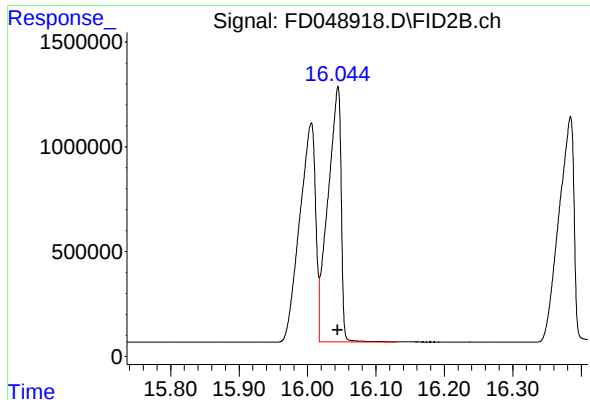
#15 Chrysene (C27.41)

R.T.: 14.500 min
Delta R.T.: 0.000 min
Response: 17309510
Conc: 93.80 ug/ml



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

R.T.: 16.006 min
Delta R.T.: 0.003 min
Response: 17077099
Conc: 96.54 ug/ml m



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

R.T.: 16.044 min
Delta R.T.: 0.000 min
Response: 16324141
Conc: 99.59 ug/ml

Instrument :

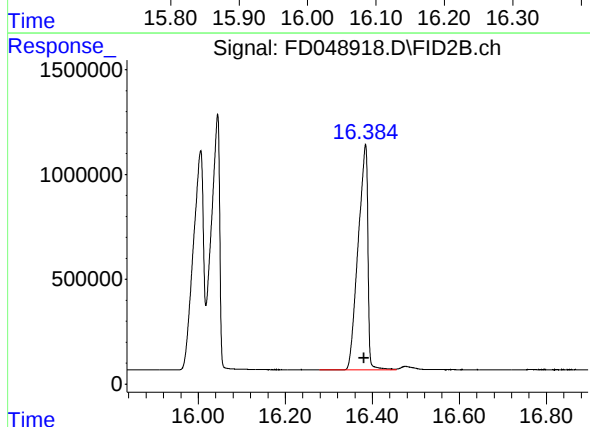
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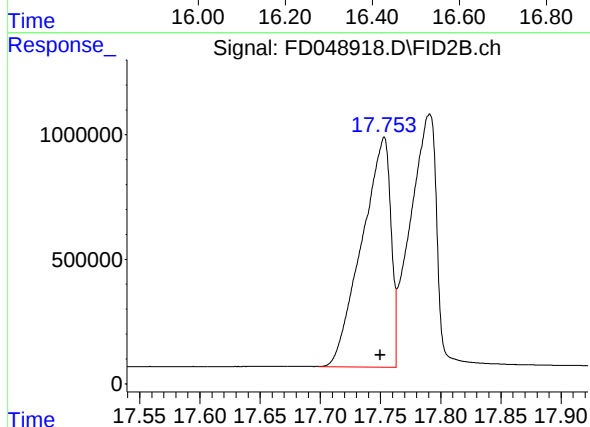
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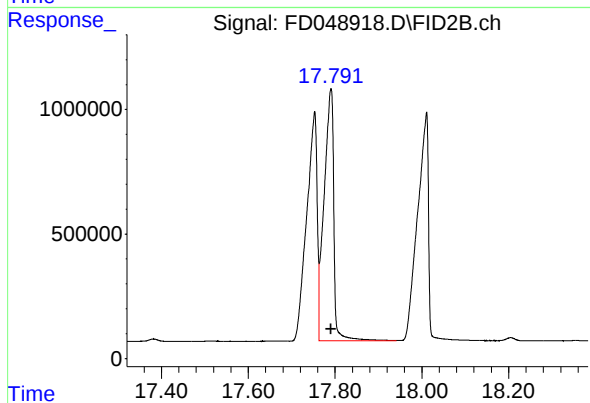
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.381 min
Delta R.T.: 0.000 min
Response: 16661549
Conc: 97.59 ug/ml



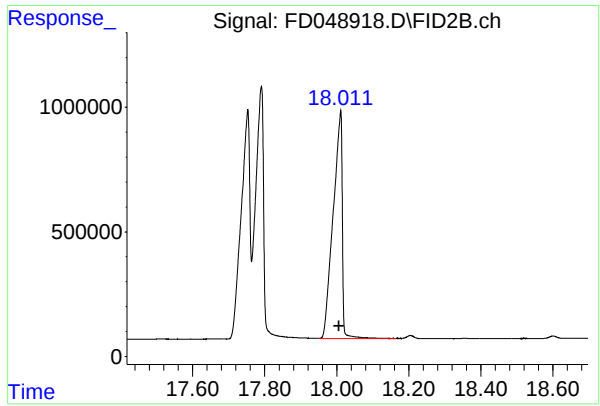
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.753 min
Delta R.T.: 0.003 min
Response: 15481031
Conc: 103.06 ug/ml m



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

R.T.: 17.791 min
Delta R.T.: 0.000 min
Response: 15669460
Conc: 94.45 ug/ml m



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

R.T.: 18.006 min
Delta R.T.: 0.000 min
Response: 16103825
Conc: 96.89 ug/ml

Instrument :

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