

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD121421AR\
 Data File : FD039888.D
 Signal(s) : FID2B.CH
 Acq On : 14 Dec 2021 17:40
 Operator : AJ\MA
 Sample : 100 PPM AROMATIC HC STD1
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 100 PPM AROMATIC HC STD1

Manual Integrations APPROVED

Reviewed By :Ankita Jodhani 12/16/2021
 Supervised By :Yogesh Patel 12/16/2021

Integration File: autoint1.e
 Quant Time: Dec 15 10:00:19 2021
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 121421.M
 Quant Title : GC Extractables
 QLast Update : Wed Dec 15 09:57:29 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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...	6.962	13971492	96.682 ug/ml
Spiked Amount 50.000		Recovery =	193.36%
6) S 2-Fluorobiphenyl (SURR)	7.820	9632668	95.903 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	191.81%#
11) S ortho-Terphenyl (SURR)	10.865	14922324	95.486 ug/ml
Spiked Amount 50.000		Recovery =	190.97%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	3.790	14886621	96.131 ug/ml
2) T Naphthalene (C11.7)	5.305	15783141	95.901 ug/ml
3) T 2-Methylnaphthalene (...)	6.354	15980138	95.943 ug/ml
5) T Acenaphthylene (C15.06)	7.626	14712690	95.731 ug/ml
7) T Acenaphthene (C15.5)	7.923	15560385	95.487 ug/ml
8) T Flouorene (C16.55)	8.703	15423181	95.591 ug/ml
9) T Phenanthrene (C19.36)	10.097	15251224	95.785 ug/ml
10) T Anthracene (C19.43)	10.173	14690406	95.814 ug/ml
12) T Fluoranthene (C21.85)	11.908	15144693	96.299 ug/ml
13) T Pyrene (C20.8)	12.205	14731881	96.262 ug/ml
14) T Benzo[a]anthracene (C...	14.073	13550250	97.848 ug/ml
15) T Chrysene (C27.41)	14.123	14142806	97.978 ug/mlm
16) T benzo[b]fluoranthene ...	15.624	13542848	98.865 ug/ml
17) T Bnezo[k]fluoranthene ...	15.665	13364989	98.363 ug/mlm
18) T Benzo[a]pyrene (C31.34)	16.006	13089670	98.843 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.370	12682759	104.870 ug/ml
20) T Dibenz[a,h]anthracene...	17.413	12145103	98.514 ug/mlm
21) T Benzo[g,h,i]perylene ...	17.631	12512344	98.705 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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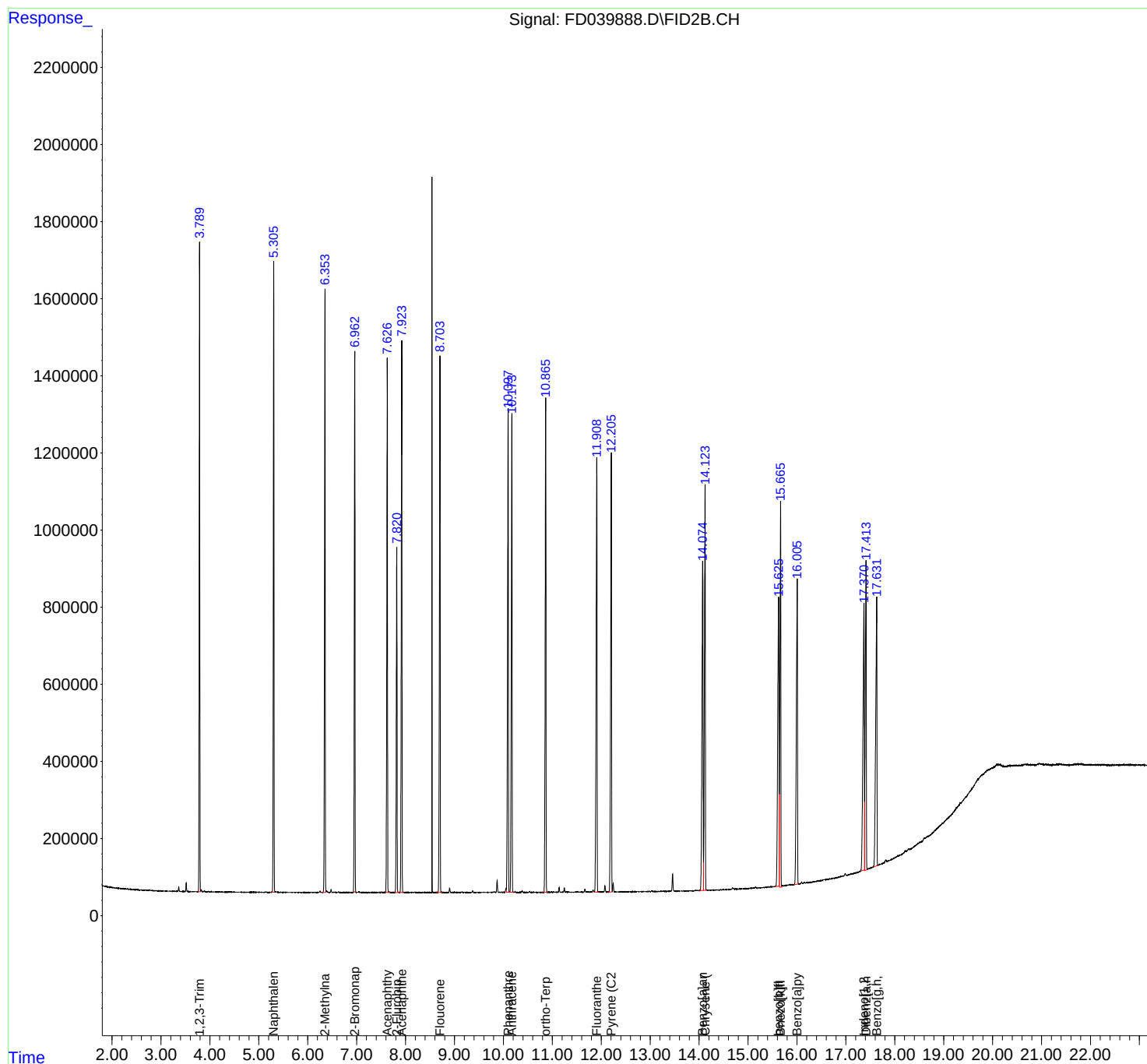
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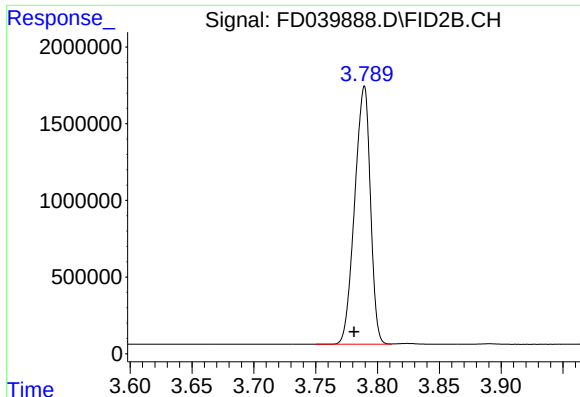
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 Signal Info : 20M x 0.18mm x 0.18µm





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

R.T.: 3.790 min
Delta R.T.: 0.009 min
Response: 14886621
Conc: 96.13 ug/ml

Instrument :

FID_D

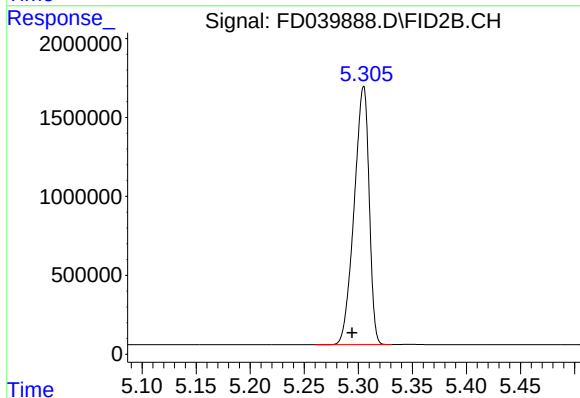
ClientSampleId :

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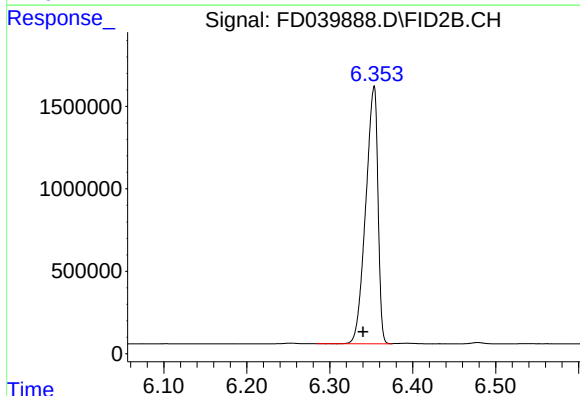
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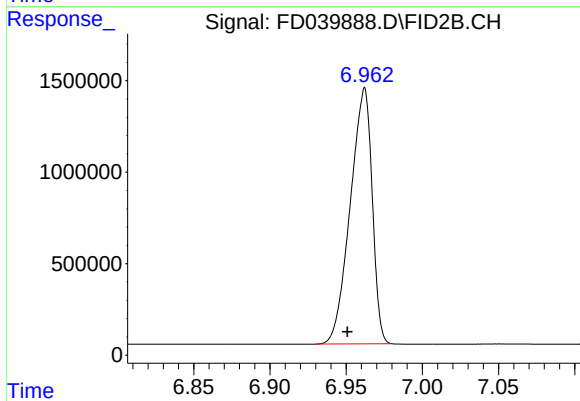
#2 Naphthalene (C11.7)

R.T.: 5.305 min
Delta R.T.: 0.011 min
Response: 15783141
Conc: 95.90 ug/ml



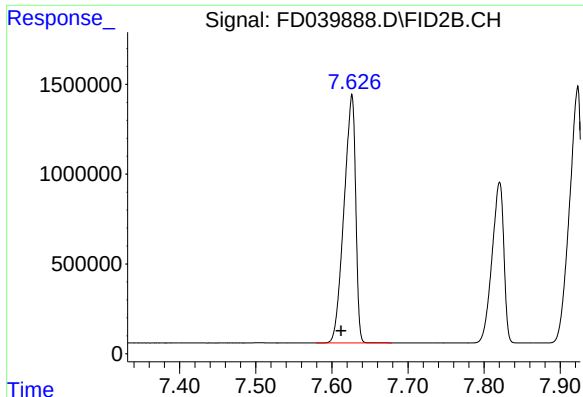
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.354 min
Delta R.T.: 0.014 min
Response: 15980138
Conc: 95.94 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 6.962 min
Delta R.T.: 0.011 min
Response: 13971492
Conc: 96.68 ug/ml



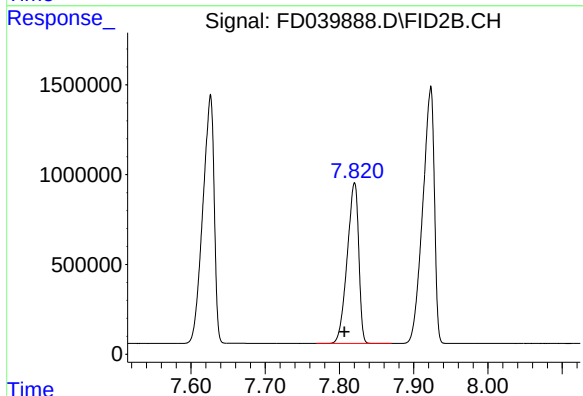
#5 Acenaphthylene (C15.06)

R.T.: 7.626 min
Delta R.T.: 0.014 min
Response: 14712690
Conc: 95.73 ug/ml

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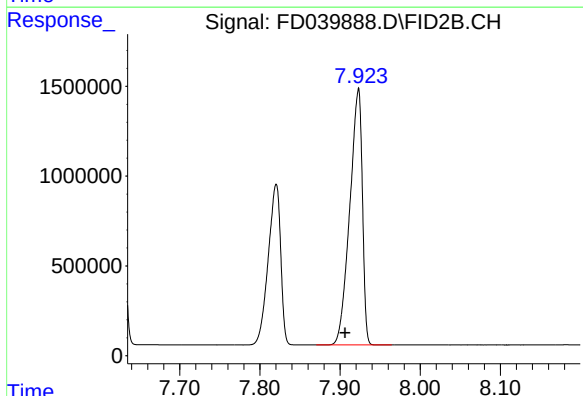
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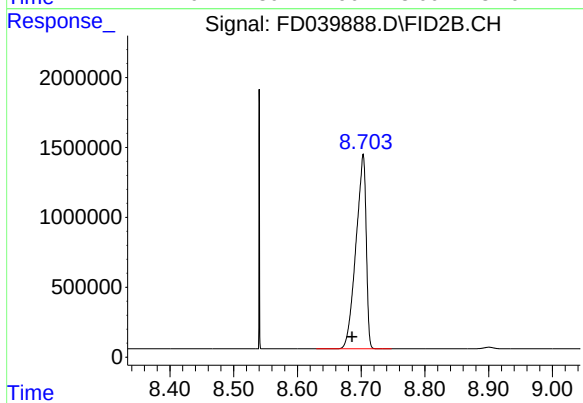
#6 2-Fluorobiphenyl (SURR)

R.T.: 7.820 min
Delta R.T.: 0.014 min
Response: 9632668
Conc: 95.90 ug/ml



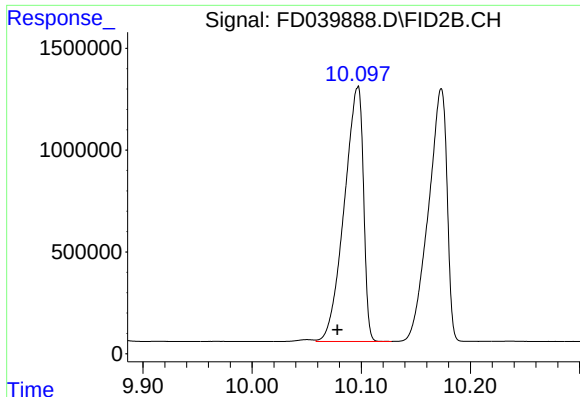
#7 Acenaphthene (C15.5)

R.T.: 7.923 min
Delta R.T.: 0.017 min
Response: 15560385
Conc: 95.49 ug/ml



#8 Flouorene (C16.55)

R.T.: 8.703 min
Delta R.T.: 0.018 min
Response: 15423181
Conc: 95.59 ug/ml



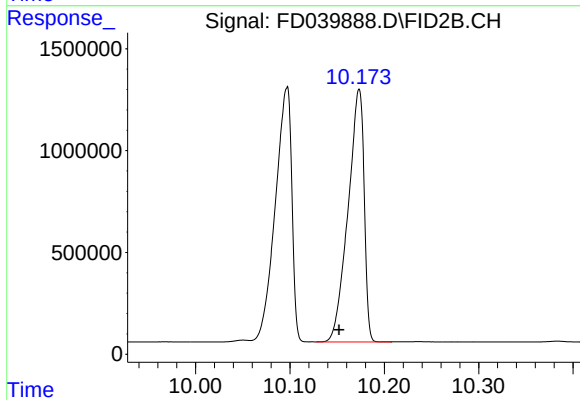
#9 Phenanthrene (C19.36)

R.T.: 10.097 min
Delta R.T.: 0.018 min
Response: 15251224
Conc: 95.79 ug/ml

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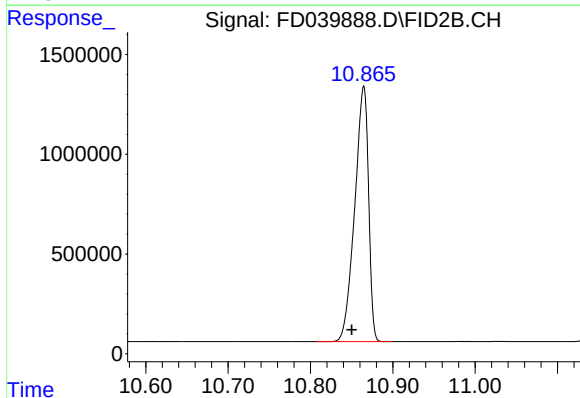
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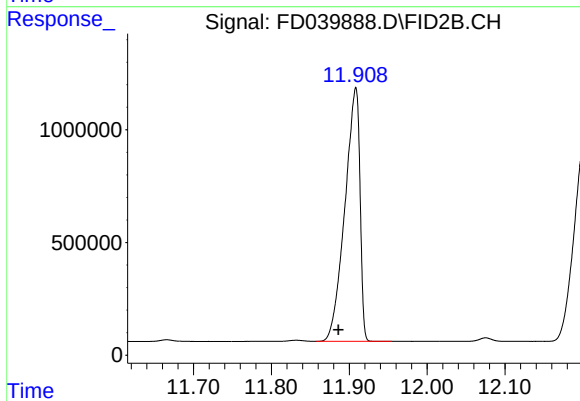
#10 Anthracene (C19.43)

R.T.: 10.173 min
Delta R.T.: 0.021 min
Response: 14690406
Conc: 95.81 ug/ml



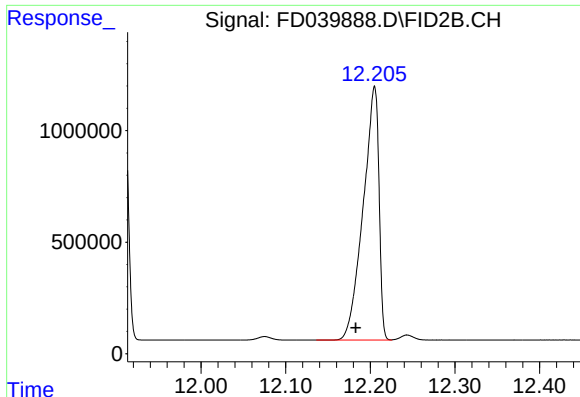
#11 ortho-Terphenyl (SURR)

R.T.: 10.865 min
Delta R.T.: 0.015 min
Response: 14922324
Conc: 95.49 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 11.908 min
Delta R.T.: 0.022 min
Response: 15144693
Conc: 96.30 ug/ml



#13 Pyrene (C20.8)

R.T.: 12.205 min
Delta R.T.: 0.022 min
Response: 14731881
Conc: 96.26 ug/ml

Instrument :

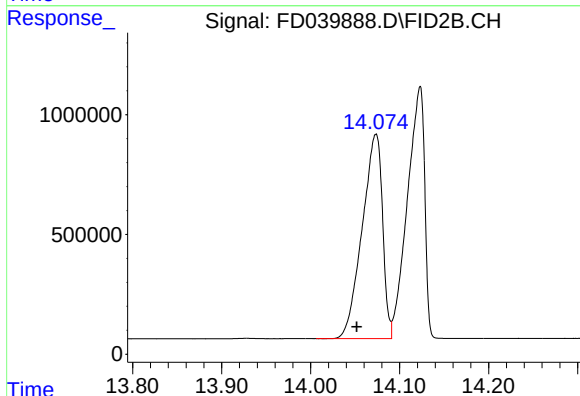
FID_D

ClientSampleId :

100 PPM AROMATIC HC STD1

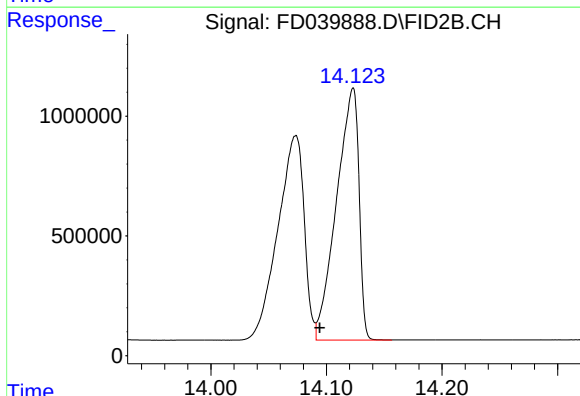
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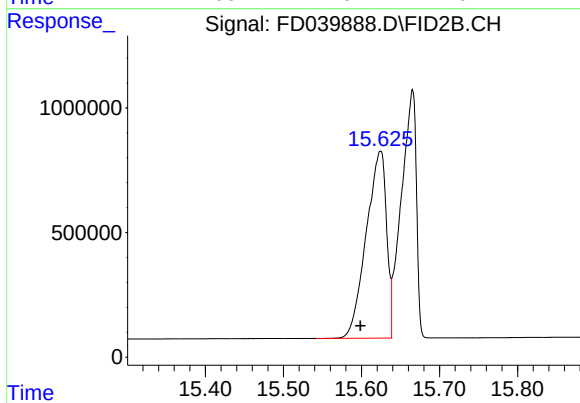
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.073 min
Delta R.T.: 0.022 min
Response: 13550250
Conc: 97.85 ug/ml



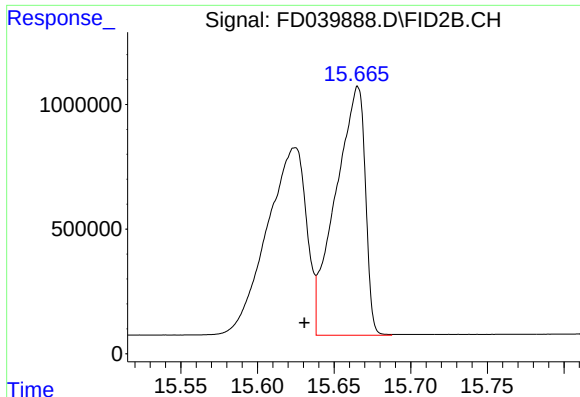
#15 Chrysene (C27.41)

R.T.: 14.123 min
Delta R.T.: 0.029 min
Response: 14142806
Conc: 97.98 ug/ml m



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

R.T.: 15.624 min
Delta R.T.: 0.026 min
Response: 13542848
Conc: 98.86 ug/ml



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

R.T.: 15.665 min
Delta R.T.: 0.034 min
Response: 13364989
Conc: 98.36 ug/ml

Instrument :

FID_D

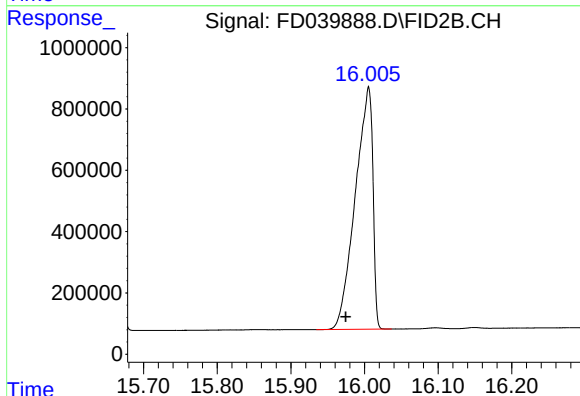
ClientSampleId :

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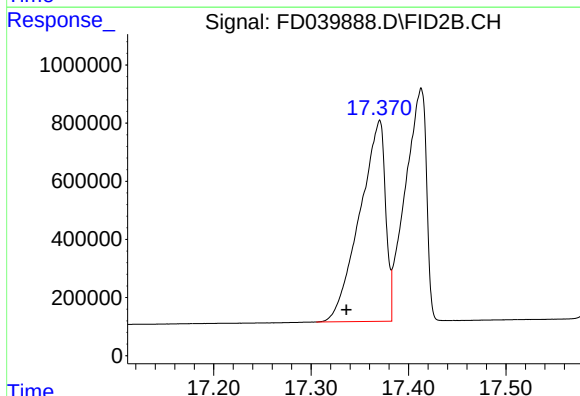
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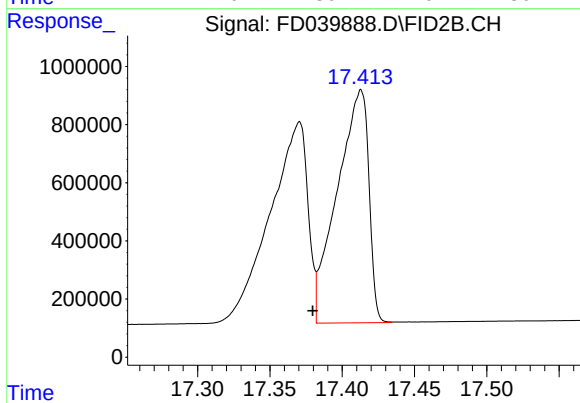
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.006 min
Delta R.T.: 0.031 min
Response: 13089670
Conc: 98.84 ug/ml



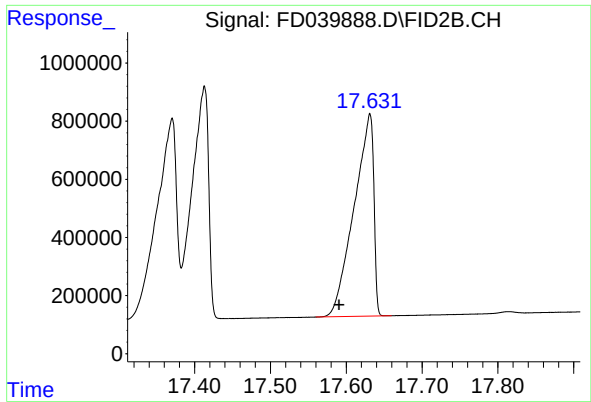
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.370 min
Delta R.T.: 0.034 min
Response: 12682759
Conc: 104.87 ug/ml



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

R.T.: 17.413 min
Delta R.T.: 0.033 min
Response: 12145103
Conc: 98.51 ug/ml m



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

R.T.: 17.631 min
Delta R.T.: 0.041 min
Response: 12512344
Conc: 98.71 ug/ml

Instrument :

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