

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD101023AR\
 Data File : FD046717.D
 Signal(s) : FID2B.ch
 Acq On : 10 Oct 2023 15:00
 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 10/11/2023
 Supervised By :Ankita Jodhani 10/11/2023

Integration File: autoint1.e
 Quant Time: Oct 11 02:43:36 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 101023.M
 Quant Title : GC Extractables
 QLast Update : Wed Oct 11 02:43:22 2023
 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...	7.496	17790530	97.861 ug/ml
Spiked Amount 50.000		Recovery =	195.72%
6) S 2-Fluorobiphenyl (SURR)	8.351	11930500	99.042 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	198.08%#
11) S ortho-Terphenyl (SURR)	11.392	20588194	97.658 ug/ml
Spiked Amount 50.000		Recovery =	195.32%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.307	18308834	97.039 ug/ml
2) T Naphthalene (C11.7)	5.835	19267641	97.417 ug/ml
3) T 2-Methylnaphthalene (...)	6.885	19528053	97.667 ug/ml
5) T Acenaphthylene (C15.06)	8.155	17722176	97.755 ug/ml
7) T Acenaphthene (C15.5)	8.453	19022720	97.776 ug/ml
8) T Flouorene (C16.55)	9.231	18650060	98.886 ug/ml
9) T Phenanthrene (C19.36)	10.621	18073445	98.936 ug/ml
10) T Anthracene (C19.43)	10.692	10413856	87.148 ug/ml
12) T Fluoranthene (C21.85)	12.427	17623507	98.596 ug/ml
13) T Pyrene (C20.8)	12.723	17044420	98.394 ug/ml
14) T Benzo[a]anthracene (C...	14.585	14386397	98.651 ug/ml
15) T Chrysene (C27.41)	14.634	15788562	98.633 ug/ml
16) T benzo[b]fluoranthene ...	16.131	14717243	99.128 ug/ml
17) T Bnezo[k]fluoranthene ...	16.171	14524035	98.097 ug/mlm
18) T Benzo[a]pyrene (C31.34)	16.509	13522475	96.919 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.869	13734587	100.406 ug/ml
20) T Dibenz[a,h]anthracene...	17.911	12903399	95.536 ug/mlm
21) T Benzo[g,h,i]perylene ...	18.127	13438255	97.244 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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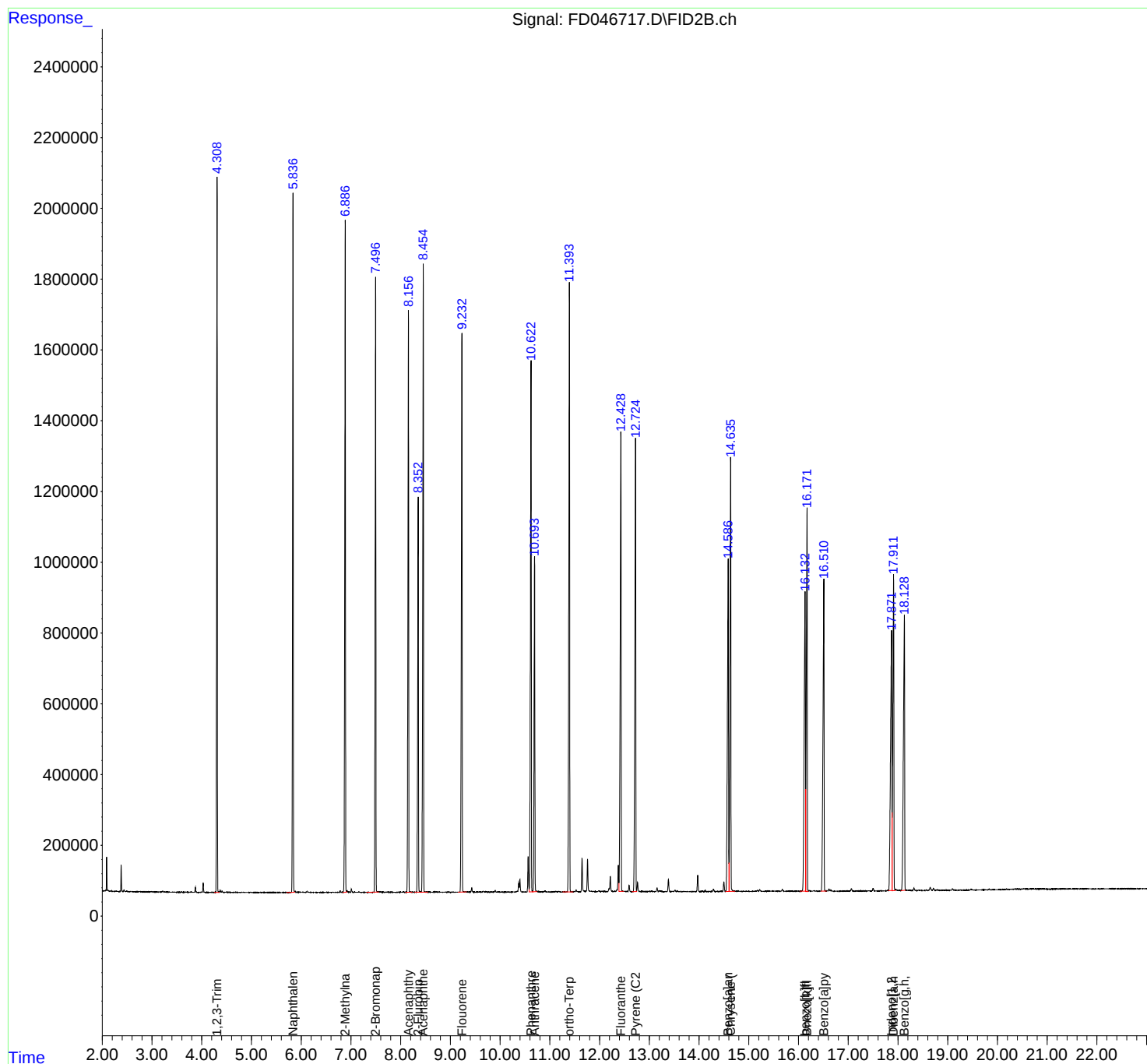
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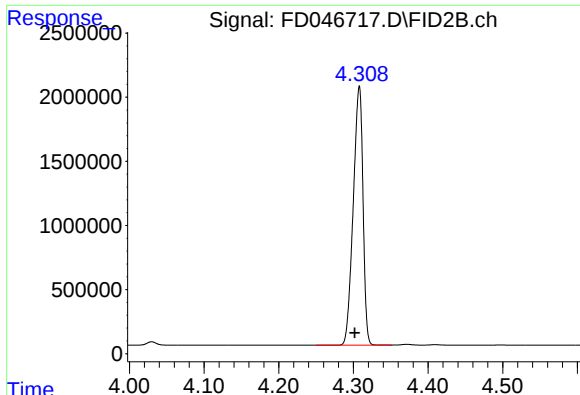
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#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.307 min
Delta R.T.: 0.005 min
Response: 18308834
Conc: 97.04 ug/ml

Instrument :

FID_D

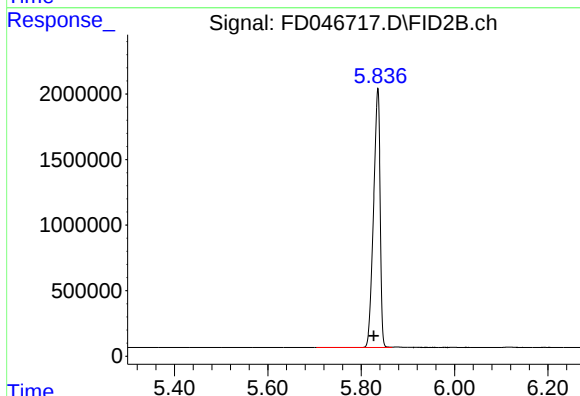
ClientSampleId :

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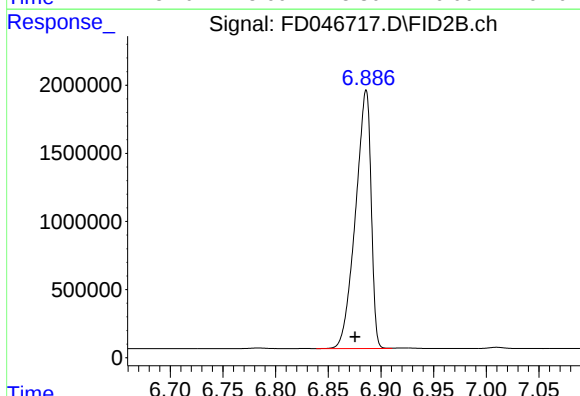
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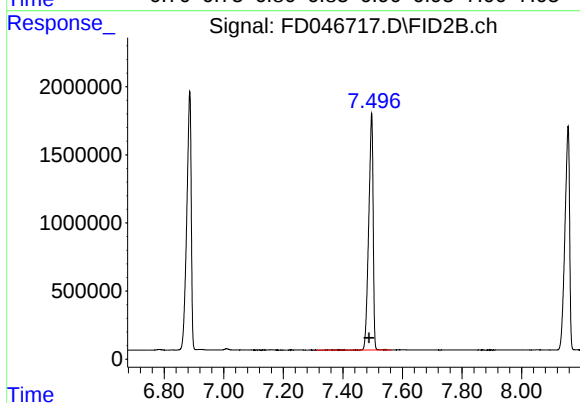
#2 Naphthalene (C11.7)

R.T.: 5.835 min
Delta R.T.: 0.008 min
Response: 19267641
Conc: 97.42 ug/ml



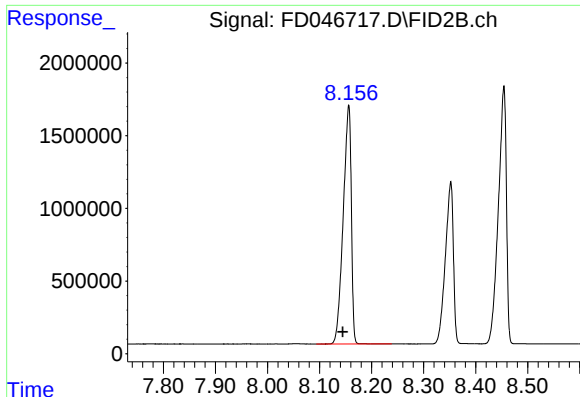
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.885 min
Delta R.T.: 0.010 min
Response: 19528053
Conc: 97.67 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.496 min
Delta R.T.: 0.008 min
Response: 17790530
Conc: 97.86 ug/ml



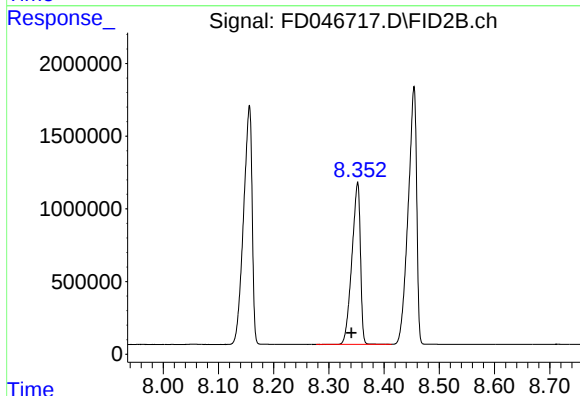
#5 Acenaphthylene (C15.06)

R.T.: 8.155 min
Delta R.T.: 0.011 min
Response: 17722176
Conc: 97.76 ug/ml

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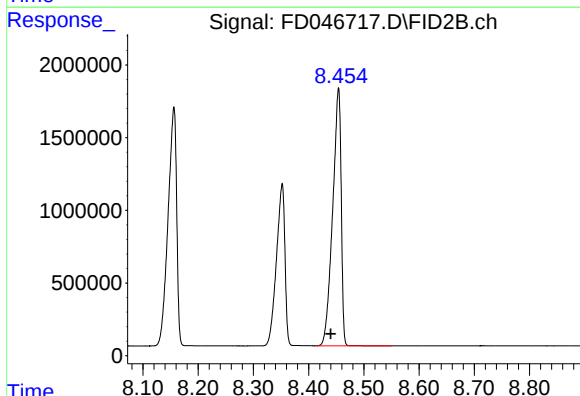
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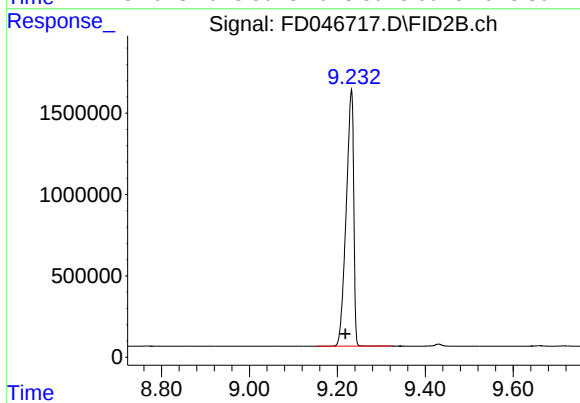
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.351 min
Delta R.T.: 0.011 min
Response: 11930500
Conc: 99.04 ug/ml



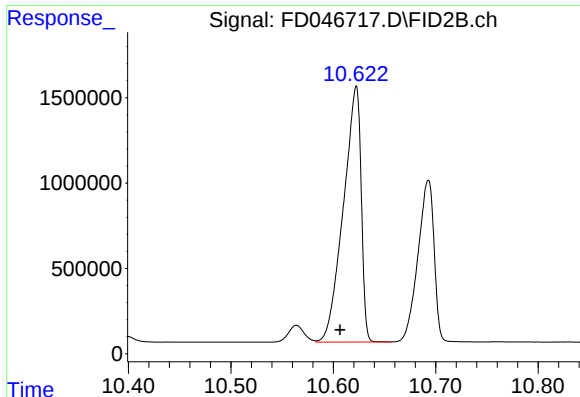
#7 Acenaphthene (C15.5)

R.T.: 8.453 min
Delta R.T.: 0.013 min
Response: 19022720
Conc: 97.78 ug/ml



#8 Fluorene (C16.55)

R.T.: 9.231 min
Delta R.T.: 0.013 min
Response: 18650060
Conc: 98.89 ug/ml



#9 Phenanthrene (C19.36)

R.T.: 10.621 min
Delta R.T.: 0.015 min
Response: 18073445
Conc: 98.94 ug/ml

Instrument :

FID_D

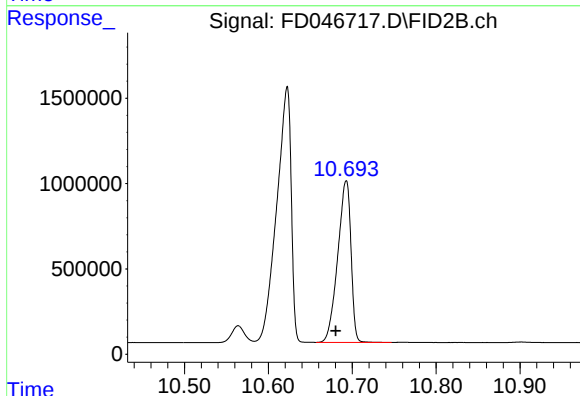
ClientSampleId :

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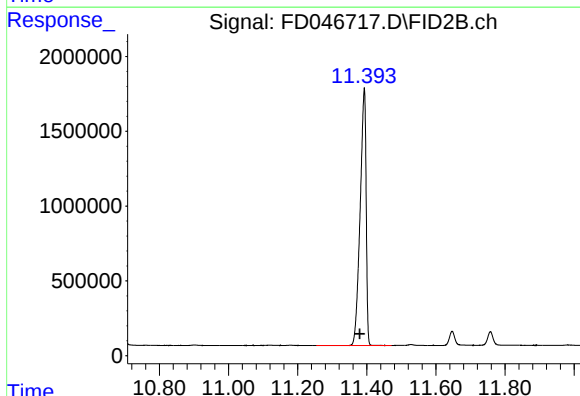
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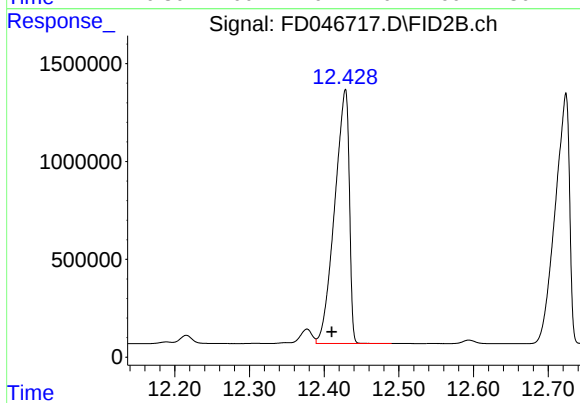
#10 Anthracene (C19.43)

R.T.: 10.692 min
Delta R.T.: 0.012 min
Response: 10413856
Conc: 87.15 ug/ml



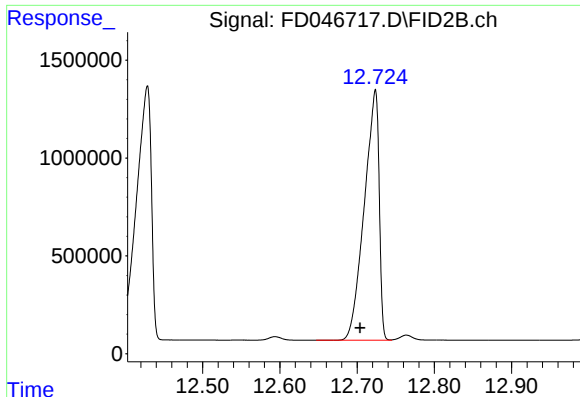
#11 ortho-Terphenyl (SURR)

R.T.: 11.392 min
Delta R.T.: 0.013 min
Response: 20588194
Conc: 97.66 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.427 min
Delta R.T.: 0.017 min
Response: 17623507
Conc: 98.60 ug/ml



#13 Pyrene (C20.8)

R.T.: 12.723 min
Delta R.T.: 0.019 min
Response: 17044420
Conc: 98.39 ug/ml

Instrument :

FID_D

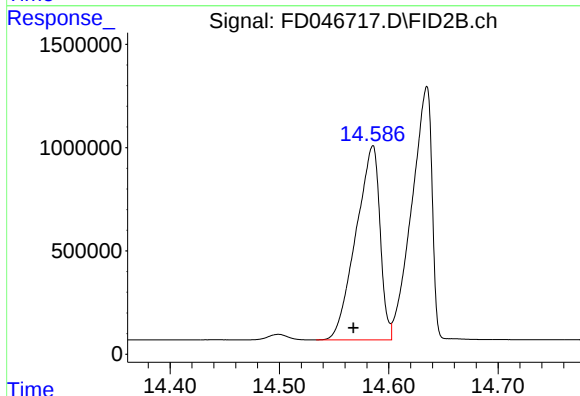
ClientSampleId :

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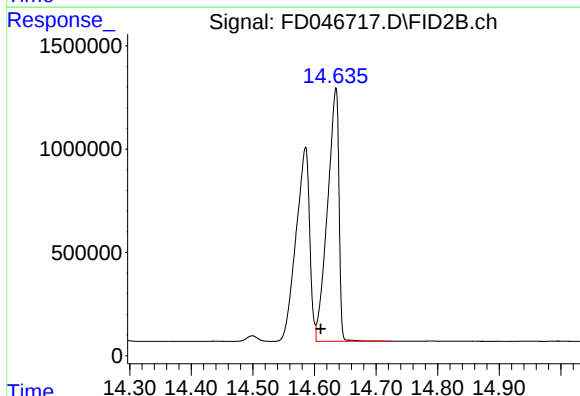
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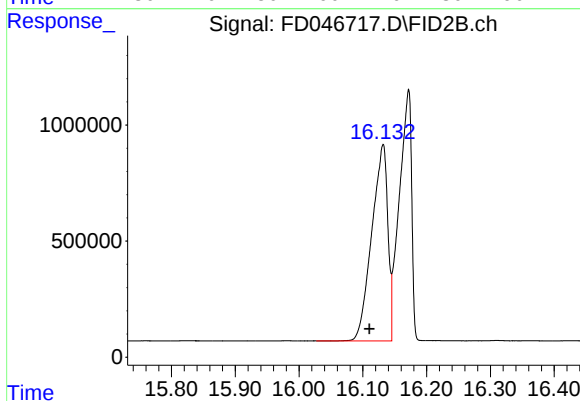
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.585 min
Delta R.T.: 0.017 min
Response: 14386397
Conc: 98.65 ug/ml



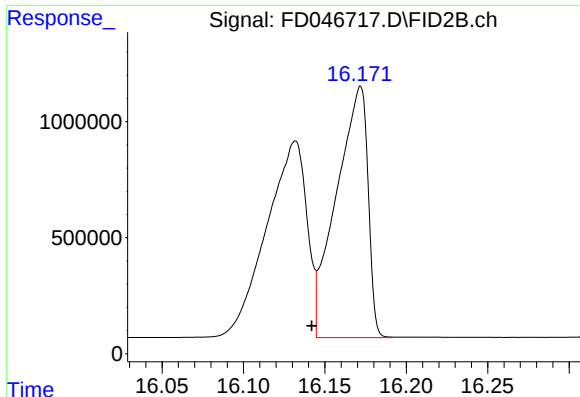
#15 Chrysene (C27.41)

R.T.: 14.634 min
Delta R.T.: 0.024 min
Response: 15788562
Conc: 98.63 ug/ml



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

R.T.: 16.131 min
Delta R.T.: 0.021 min
Response: 14717243
Conc: 99.13 ug/ml



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

R.T.: 16.171 min
Delta R.T.: 0.030 min
Response: 14524035
Conc: 98.10 ug/ml

Instrument :

FID_D

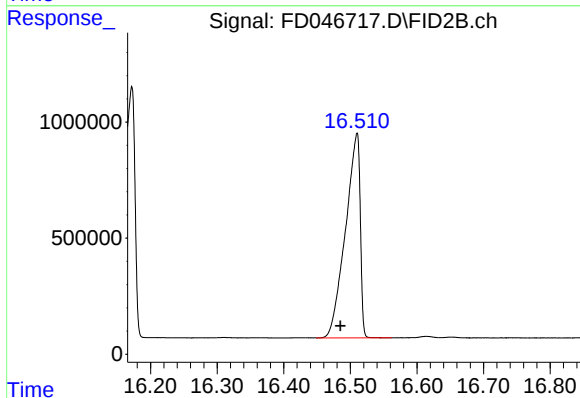
ClientSampleId :

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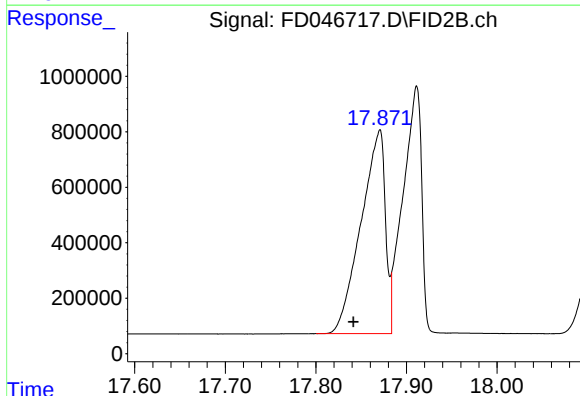
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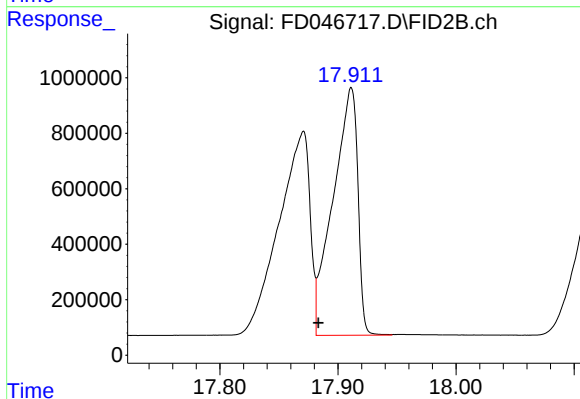
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.509 min
Delta R.T.: 0.024 min
Response: 13522475
Conc: 96.92 ug/ml



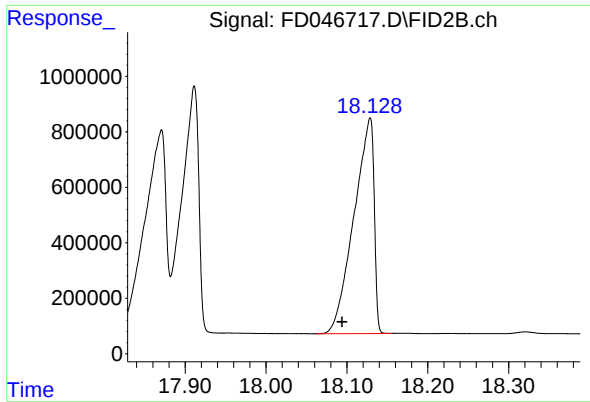
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.869 min
Delta R.T.: 0.028 min
Response: 13734587
Conc: 100.41 ug/ml



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

R.T.: 17.911 min
Delta R.T.: 0.027 min
Response: 12903399
Conc: 95.54 ug/ml m



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

R.T.: 18.127 min
Delta R.T.: 0.033 min
Response: 13438255
Conc: 97.24 ug/ml

Instrument :

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