

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD082223AR\
 Data File : FD046368.D
 Signal(s) : FID2B.ch
 Acq On : 22 Aug 2023 09:06
 Operator : YP/AJ
 Sample : 100 PPM AROMATIC HC STD1
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 100 PPM AROMATIC HC STD1

Integration File: autoint1.e
 Quant Time: Aug 22 11:13:17 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 082223.M
 Quant Title : GC Extractables
 QLast Update : Tue Aug 22 11:13:00 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...	7.506	16118131	95.569 ug/ml
Spiked Amount 50.000		Recovery =	191.14%
6) S 2-Fluorobiphenyl (SURR)	8.361	10844912	96.984 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	193.97%#
11) S ortho-Terphenyl (SURR)	11.399	18492142	94.773 ug/ml
Spiked Amount 50.000		Recovery =	189.55%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.315	16541755	94.339 ug/ml
2) T Naphthalene (C11.7)	5.845	17437620	94.746 ug/ml
3) T 2-Methylnaphthalene (...)	6.895	17621740	94.747 ug/ml
5) T Acenaphthylene (C15.06)	8.165	16218223	95.379 ug/ml
7) T Acenaphthene (C15.5)	8.463	17140459	95.391 ug/ml
8) T Flouorene (C16.55)	9.241	16862475	96.077 ug/ml
9) T Phenanthrene (C19.36)	10.630	16454128	96.011 ug/ml
10) T Anthracene (C19.43)	10.708	16303700	96.745 ug/ml
12) T Fluoranthene (C21.85)	12.436	15913246	95.909 ug/ml
13) T Pyrene (C20.8)	12.731	15418777	96.030 ug/ml
14) T Benzo[a]anthracene (C...	14.594	13588502	96.962 ug/ml
15) T Chrysene (C27.41)	14.641	14149091	96.151 ug/ml
16) T benzo[b]fluoranthene ...	16.138	13125002	97.304 ug/ml
17) T Bnezo[k]fluoranthene ...	16.178	12932201	96.054 ug/mlm
18) T Benzo[a]pyrene (C31.34)	16.517	12593788	95.994 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.877	12375986	99.793 ug/ml
20) T Dibenz[a,h]anthracene...	17.918	11637506	92.660 ug/mlm
21) T Benzo[g,h,i]perylene ...	18.134	12183444	95.829 ug/ml

(f)=RT Delta > 1/2 Window

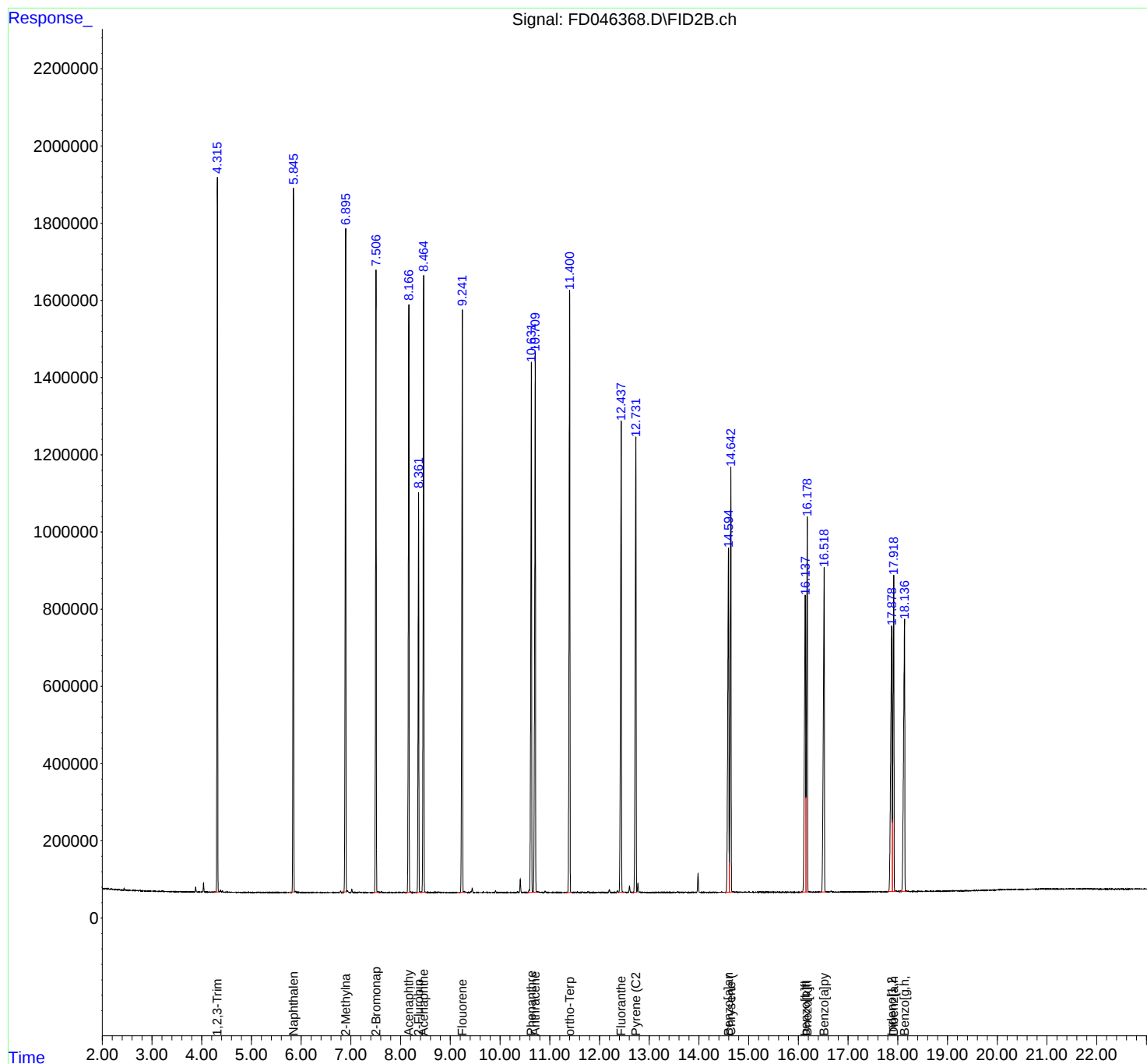
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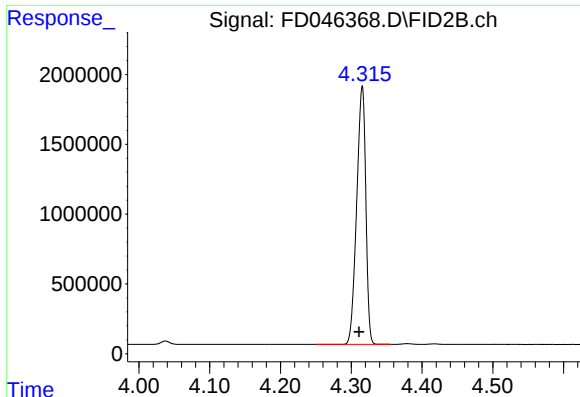
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#1 1,2,3-Trimethylbenzene (C10.1)

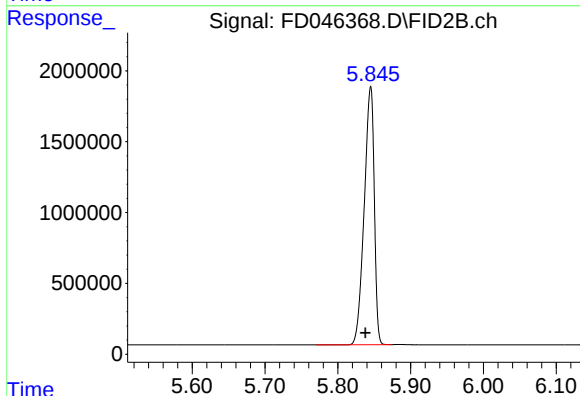
R.T.: 4.315 min
Delta R.T.: 0.004 min
Response: 16541755
Conc: 94.34 ug/ml

Instrument :

FID_D

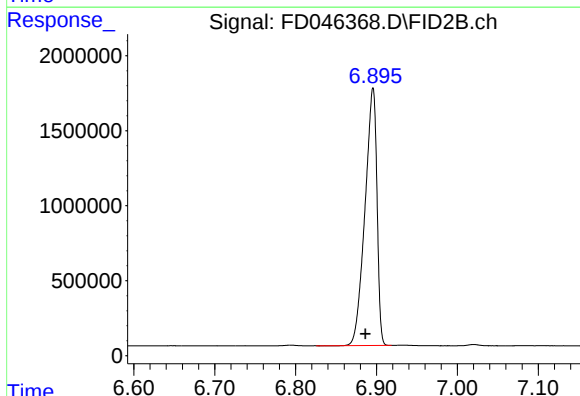
ClientSampleId :

100 PPM AROMATIC HC STD1



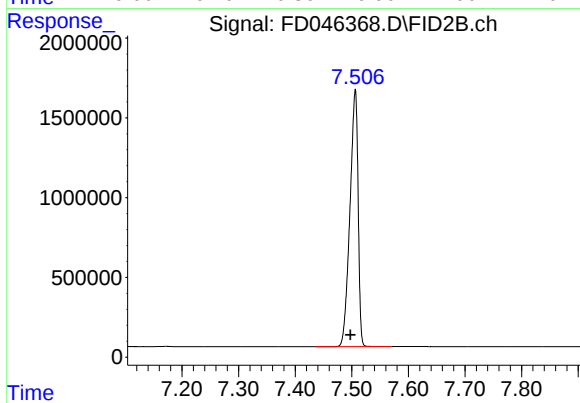
#2 Naphthalene (C11.7)

R.T.: 5.845 min
Delta R.T.: 0.006 min
Response: 17437620
Conc: 94.75 ug/ml



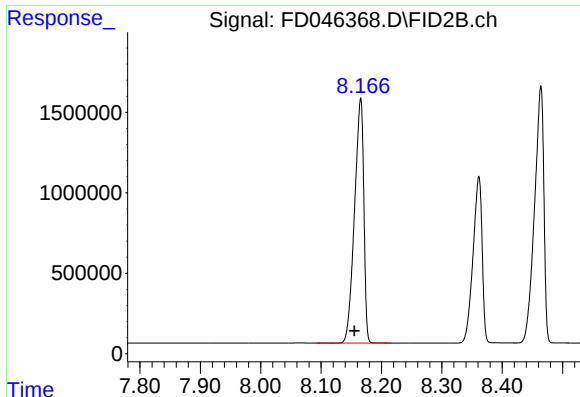
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.895 min
Delta R.T.: 0.009 min
Response: 17621740
Conc: 94.75 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.506 min
Delta R.T.: 0.008 min
Response: 16118131
Conc: 95.57 ug/ml



#5 Acenaphthylene (C15.06)

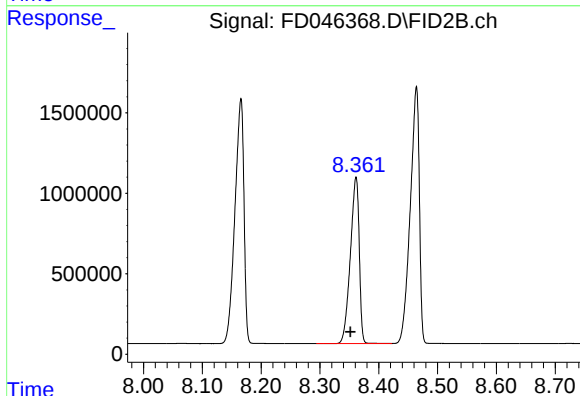
R.T.: 8.165 min
Delta R.T.: 0.010 min
Response: 16218223
Conc: 95.38 ug/ml

Instrument :

FID_D

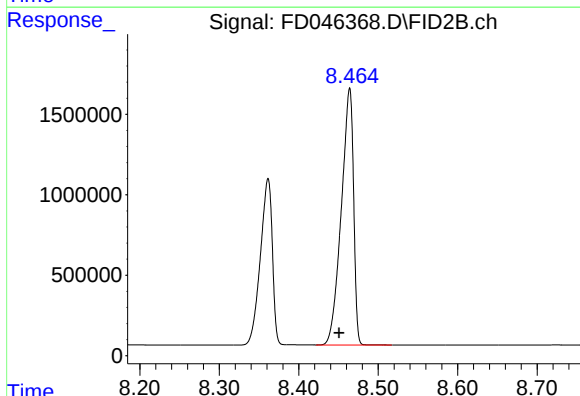
ClientSampleId :

100 PPM AROMATIC HC STD1



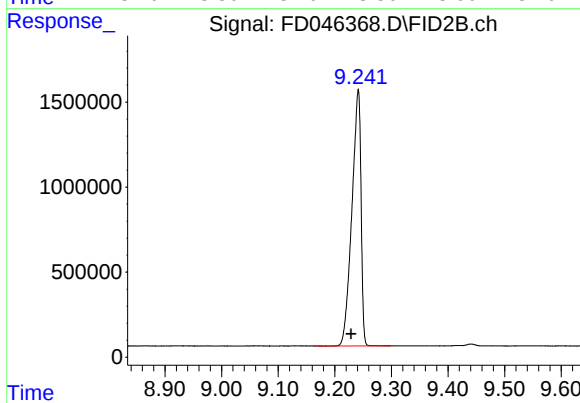
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.361 min
Delta R.T.: 0.009 min
Response: 10844912
Conc: 96.98 ug/ml



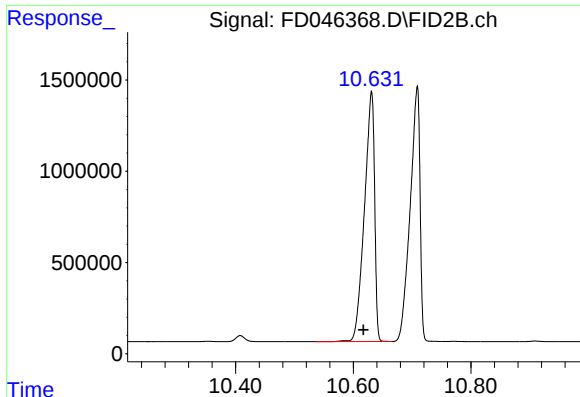
#7 Acenaphthene (C15.5)

R.T.: 8.463 min
Delta R.T.: 0.013 min
Response: 17140459
Conc: 95.39 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.241 min
Delta R.T.: 0.012 min
Response: 16862475
Conc: 96.08 ug/ml



#9 Phenanthrene (C19.36)

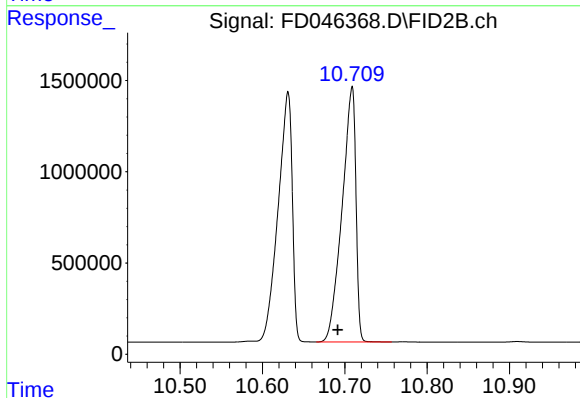
R.T.: 10.630 min
Delta R.T.: 0.013 min
Response: 16454128
Conc: 96.01 ug/ml

Instrument :

FID_D

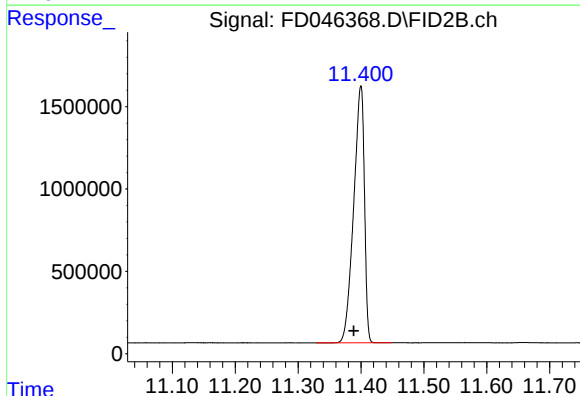
ClientSampleId :

100 PPM AROMATIC HC STD1



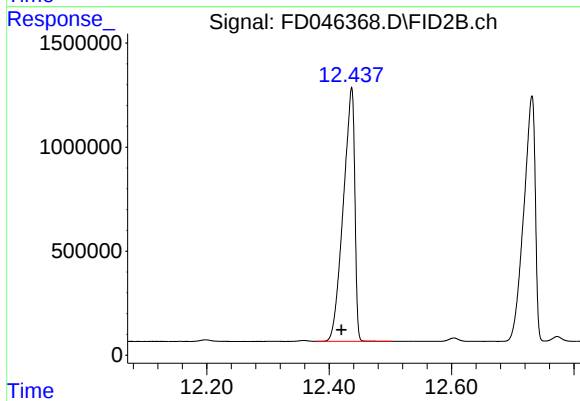
#10 Anthracene (C19.43)

R.T.: 10.708 min
Delta R.T.: 0.016 min
Response: 16303700
Conc: 96.75 ug/ml



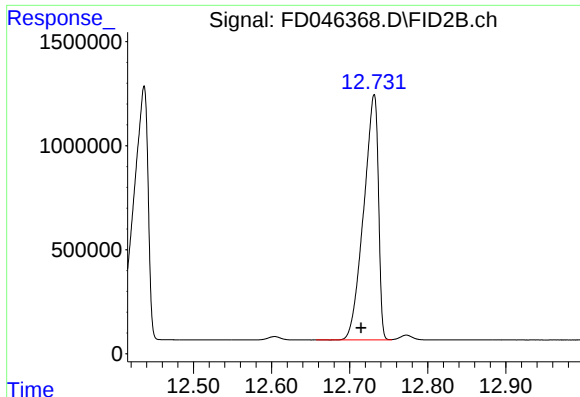
#11 ortho-Terphenyl (SURR)

R.T.: 11.399 min
Delta R.T.: 0.011 min
Response: 18492142
Conc: 94.77 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.436 min
Delta R.T.: 0.015 min
Response: 15913246
Conc: 95.91 ug/ml



#13 Pyrene (C20.8)

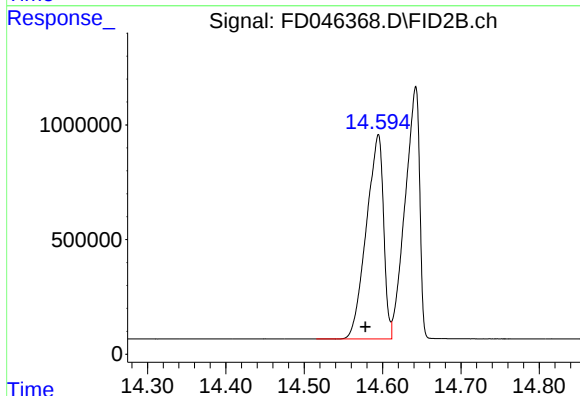
R.T.: 12.731 min
Delta R.T.: 0.016 min
Response: 15418777
Conc: 96.03 ug/ml

Instrument :

FID_D

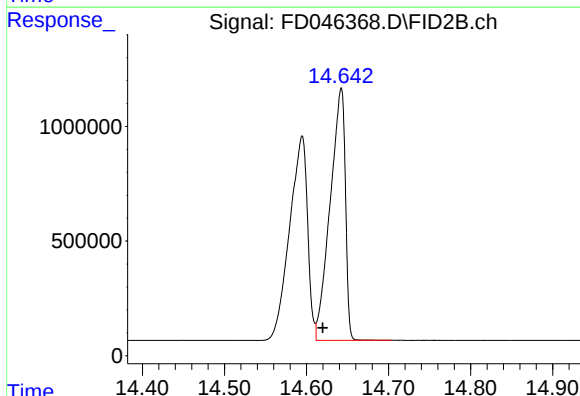
ClientSampleId :

100 PPM AROMATIC HC STD1



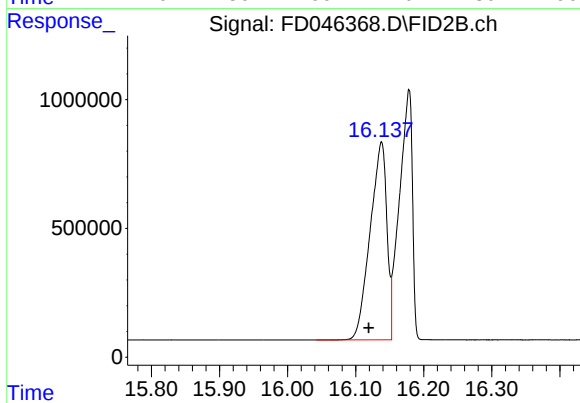
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.594 min
Delta R.T.: 0.016 min
Response: 13588502
Conc: 96.96 ug/ml



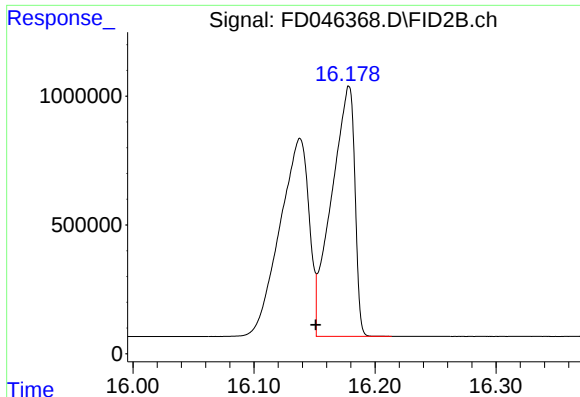
#15 Chrysene (C27.41)

R.T.: 14.641 min
Delta R.T.: 0.021 min
Response: 14149091
Conc: 96.15 ug/ml



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

R.T.: 16.138 min
Delta R.T.: 0.018 min
Response: 13125002
Conc: 97.30 ug/ml



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

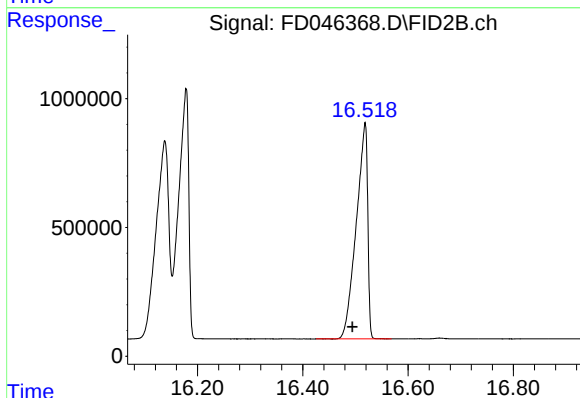
R.T.: 16.178 min
Delta R.T.: 0.027 min
Response: 12932201
Conc: 96.05 ug/ml

Instrument :

FID_D

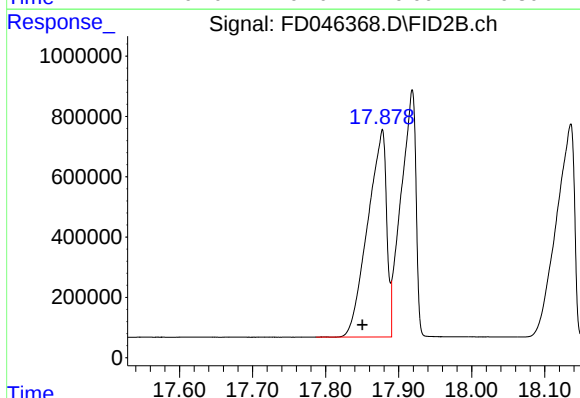
ClientSampleId :

100 PPM AROMATIC HC STD1



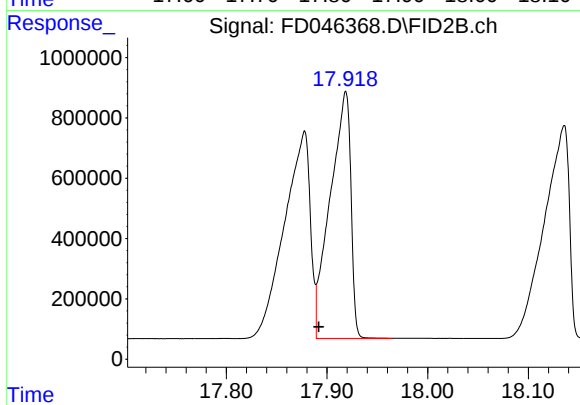
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.517 min
Delta R.T.: 0.023 min
Response: 12593788
Conc: 95.99 ug/ml



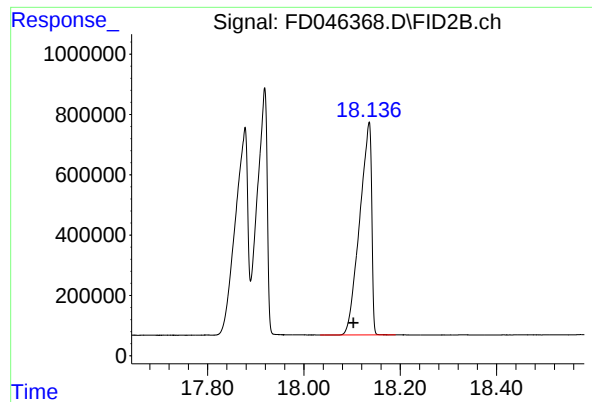
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.877 min
Delta R.T.: 0.026 min
Response: 12375986
Conc: 99.79 ug/ml



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

R.T.: 17.918 min
Delta R.T.: 0.026 min
Response: 11637506
Conc: 92.66 ug/ml m



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

R.T.: 18.134 min
Delta R.T.: 0.032 min
Response: 12183444
Conc: 95.83 ug/ml

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