

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD052325AR\
 Data File : FD049391.D
 Signal(s) : FID2B.ch
 Acq On : 23 May 2025 12:58
 Operator : YP/AJ
 Sample : 20 PPM AROMATIC HC STD
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 20 PPM AROMATIC HC STD

Integration File: autoint1.e
 Quant Time: May 24 03:02:28 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 050125.M
 Quant Title : GC Extractables
 QLast Update : Thu May 01 13:29:48 2025
 Response via : Initial Calibration
 Integrator: ChemStation

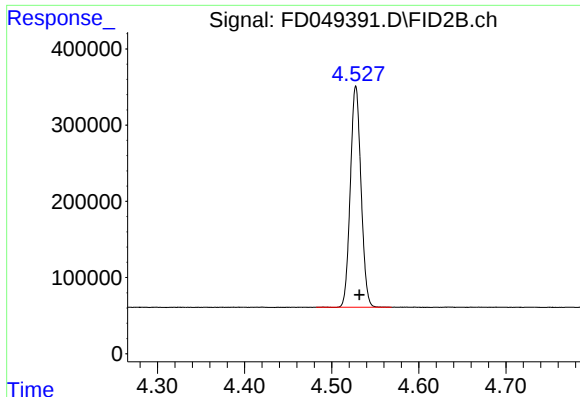
Volume Inj. : 1 µl
 Signal Phase : Rxi-1ms
 Signal Info : 20M x 0.18mm x 0.18µm

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.737	2588026	21.827 ug/ml
Spiked Amount 50.000		Recovery =	43.65%
6) S 2-Fluorobiphenyl (SURR)	8.602	1785970	22.615 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	45.23%
11) S ortho-Terphenyl (SURR)	11.648	3179339	23.035 ug/ml
Spiked Amount 50.000		Recovery =	46.07%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.528	2473540	19.811 ug/ml
2) T Naphthalene (C11.7)	6.072	2722418	20.592 ug/ml
3) T 2-Methylnaphthalene (...)	7.126	2773805	21.502 ug/ml
5) T Acenaphthylene (C15.06)	8.405	2990836	21.187 ug/ml
7) T Acenaphthene (C15.5)	8.702	2976047	21.721 ug/ml
8) T Flouorene (C16.55)	9.483	3065742	22.523 ug/ml
9) T Phenanthrene (C19.36)	10.881	2972049	22.044 ug/ml
10) T Anthracene (C19.43)	10.955	2242201	18.958 ug/ml
12) T Fluoranthene (C21.85)	12.696	2876449	21.344 ug/ml
13) T Pyrene (C20.8)	12.994	2827248	20.900 ug/ml
14) T Benzo[a]anthracene (C...	14.865	2361326	20.615 ug/ml
15) T Chrysene (C27.41)	14.907	2454473	21.030 ug/ml
16) T benzo[b]fluoranthene ...	16.416	2381999	19.623 ug/ml
17) T Bnezo[k]fluoranthene ...	16.448	2294522	19.239 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.794	2058806	17.905 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.159	2006366	18.282 ug/ml
20) T Dibenz[a,h]anthracene...	18.200	2512855	23.793 ug/ml
21) T Benzo[g,h,i]perylene ...	18.414	2147575	18.021 ug/ml

(f)=RT Delta > 1/2 Window

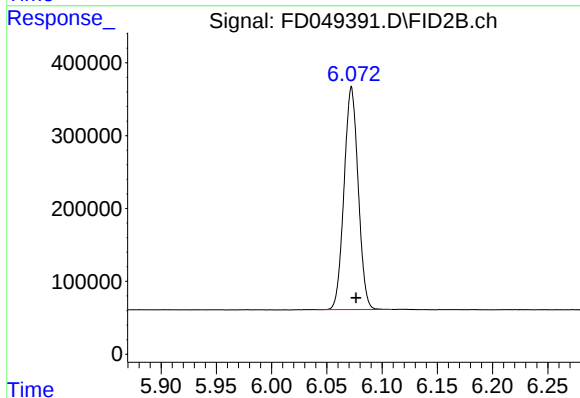
(m)=manual int.



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

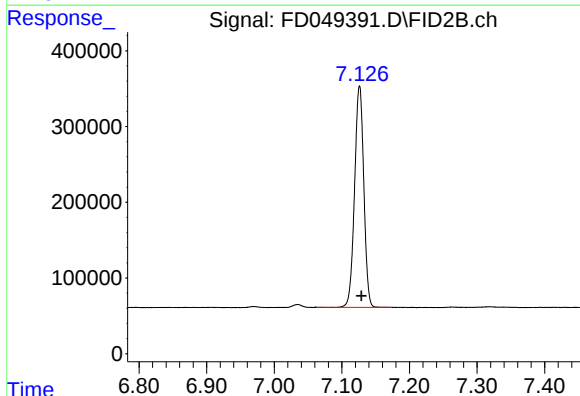
R.T.: 4.528 min
Delta R.T.: -0.004 min
Response: 2473540
Conc: 19.81 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD



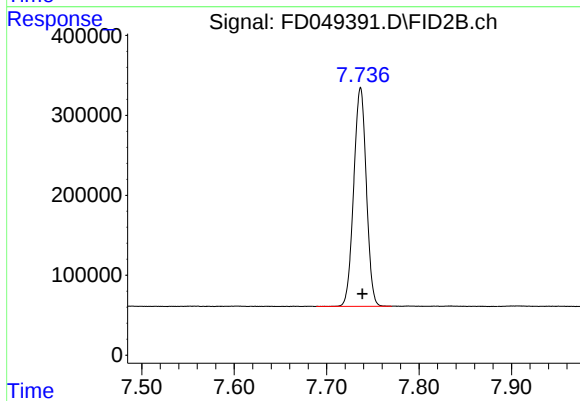
#2 Naphthalene (C11.7)

R.T.: 6.072 min
Delta R.T.: -0.004 min
Response: 2722418
Conc: 20.59 ug/ml



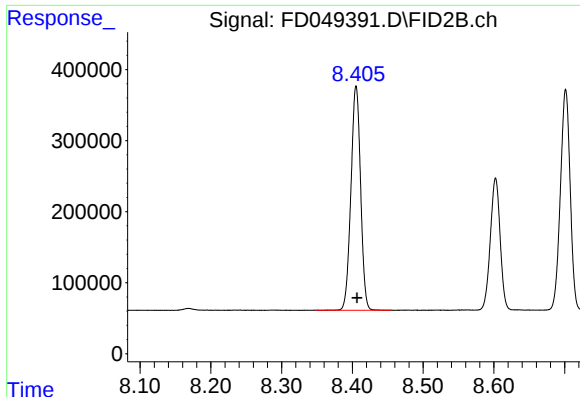
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.126 min
Delta R.T.: -0.003 min
Response: 2773805
Conc: 21.50 ug/ml



#4 2-Bromonaphthalene (SURR)

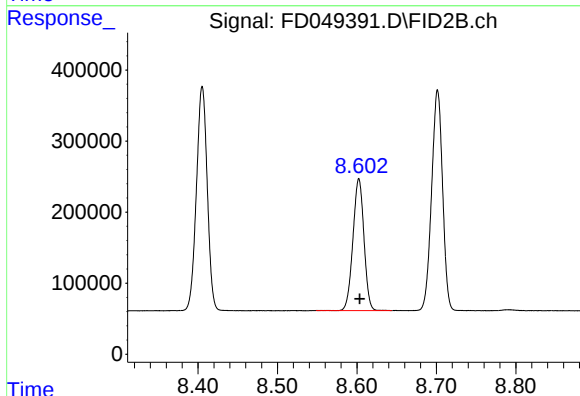
R.T.: 7.737 min
Delta R.T.: -0.002 min
Response: 2588026
Conc: 21.83 ug/ml



#5 Acenaphthylene (C15.06)

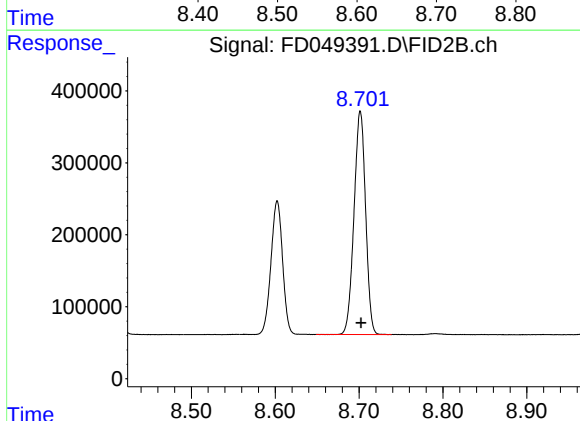
R.T.: 8.405 min
Delta R.T.: -0.002 min
Response: 2990836
Conc: 21.19 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD



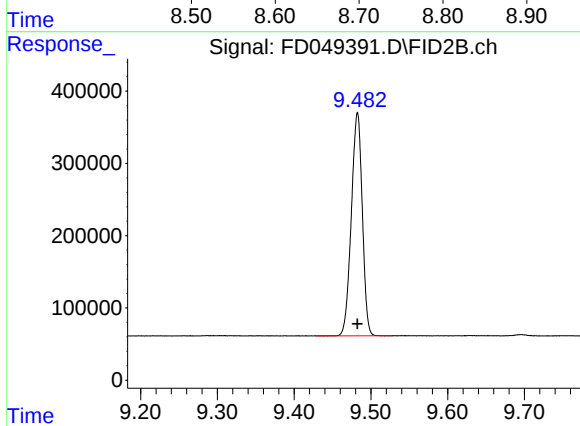
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.602 min
Delta R.T.: -0.001 min
Response: 1785970
Conc: 22.62 ug/ml



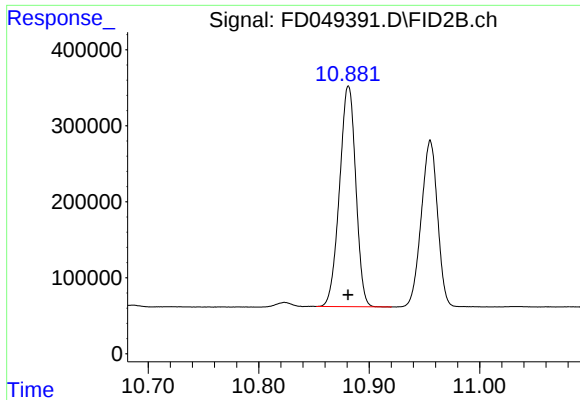
#7 Acenaphthene (C15.5)

R.T.: 8.702 min
Delta R.T.: 0.000 min
Response: 2976047
Conc: 21.72 ug/ml



#8 Flouorene (C16.55)

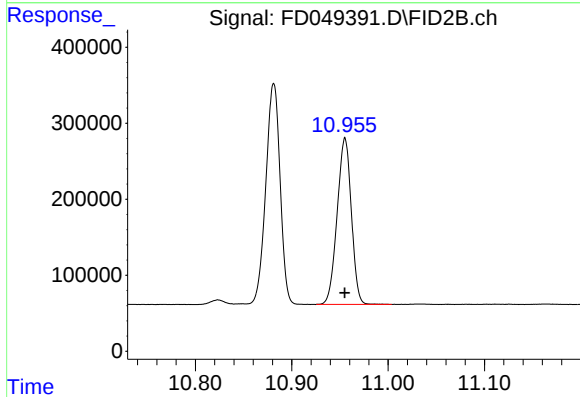
R.T.: 9.483 min
Delta R.T.: 0.000 min
Response: 3065742
Conc: 22.52 ug/ml



#9 Phenanthrene (C19.36)

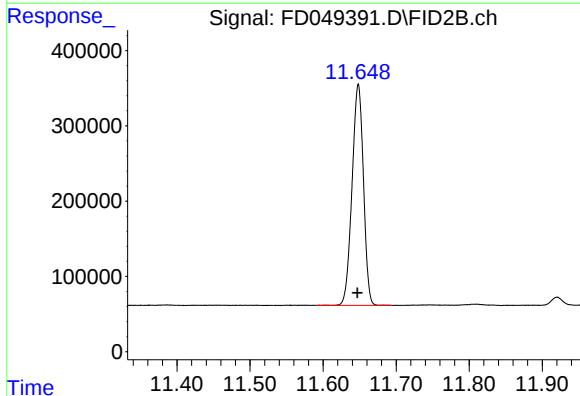
R.T.: 10.881 min
Delta R.T.: 0.000 min
Response: 2972049
Conc: 22.04 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD



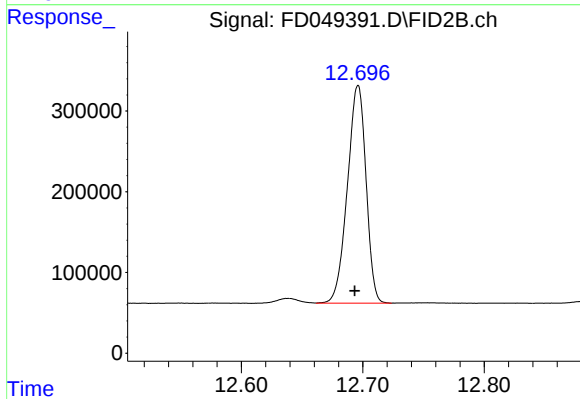
#10 Anthracene (C19.43)

R.T.: 10.955 min
Delta R.T.: 0.000 min
Response: 2242201
Conc: 18.96 ug/ml



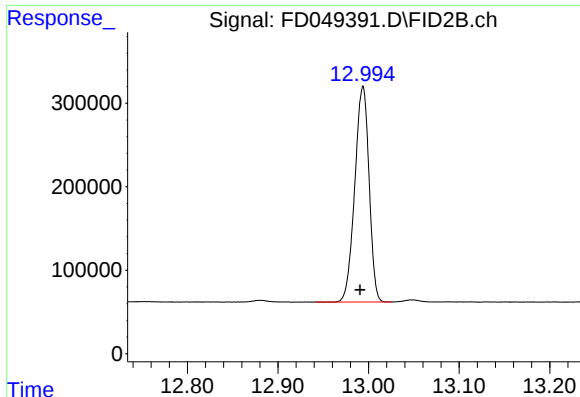
#11 ortho-Terphenyl (SURR)

R.T.: 11.648 min
Delta R.T.: 0.001 min
Response: 3179339
Conc: 23.04 ug/ml



#12 Fluoranthene (C21.85)

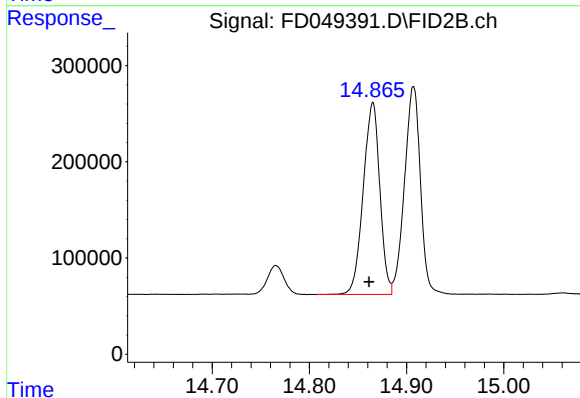
R.T.: 12.696 min
Delta R.T.: 0.003 min
Response: 2876449
Conc: 21.34 ug/ml



#13 Pyrene (C20.8)

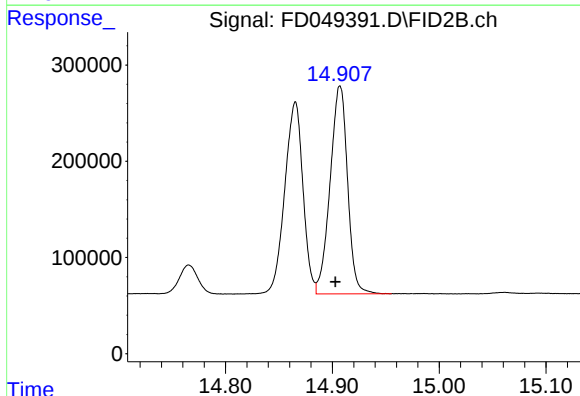
R.T.: 12.994 min
Delta R.T.: 0.003 min
Response: 2827248
Conc: 20.90 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD



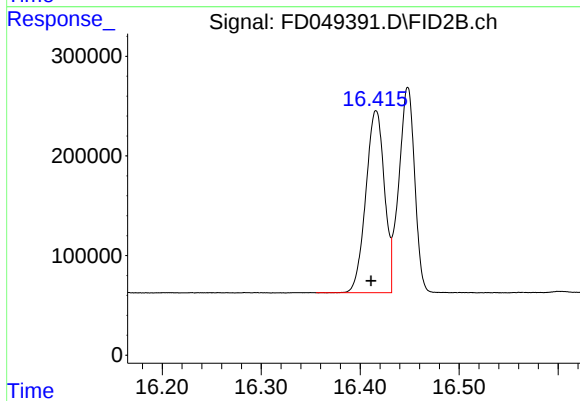
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.865 min
Delta R.T.: 0.004 min
Response: 2361326
Conc: 20.61 ug/ml



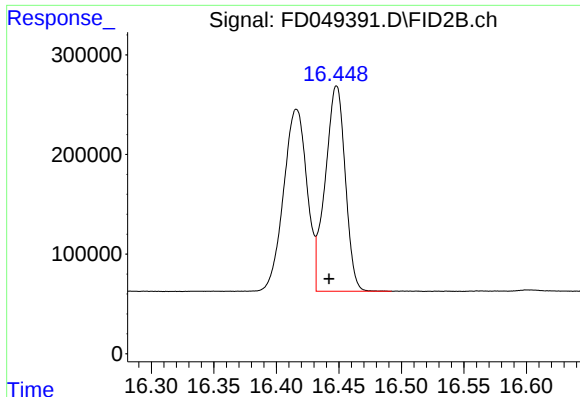
#15 Chrysene (C27.41)

R.T.: 14.907 min
Delta R.T.: 0.004 min
Response: 2454473
Conc: 21.03 ug/ml



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

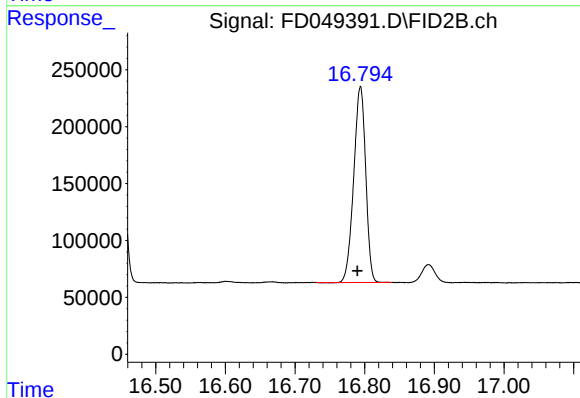
R.T.: 16.416 min
Delta R.T.: 0.005 min
Response: 2381999
Conc: 19.62 ug/ml



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

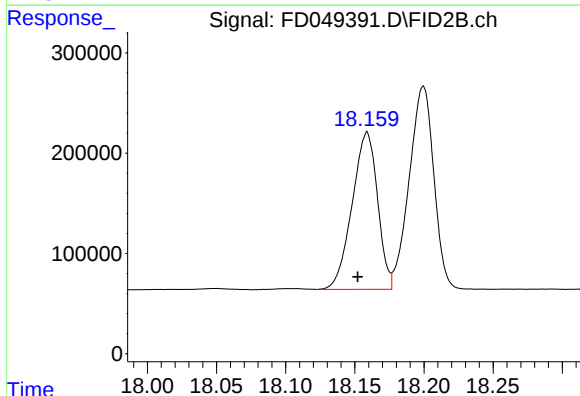
R.T.: 16.448 min
Delta R.T.: 0.006 min
Response: 2294522
Conc: 19.24 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD



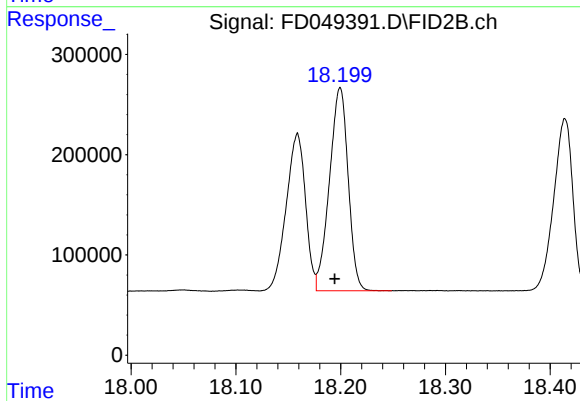
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.794 min
Delta R.T.: 0.004 min
Response: 2058806
Conc: 17.91 ug/ml



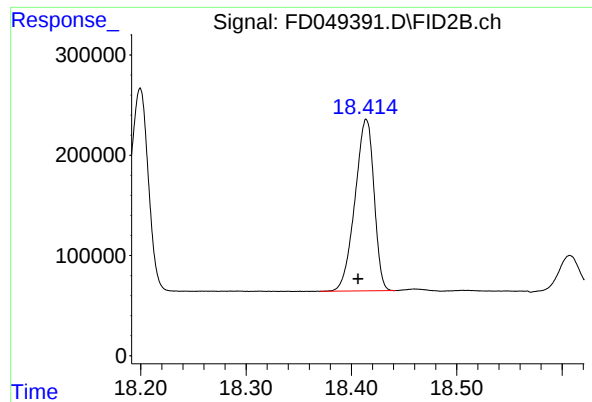
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.159 min
Delta R.T.: 0.007 min
Response: 2006366
Conc: 18.28 ug/ml



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

R.T.: 18.200 min
Delta R.T.: 0.005 min
Response: 2512855
Conc: 23.79 ug/ml



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

R.T.: 18.414 min
Delta R.T.: 0.008 min
Response: 2147575
Conc: 18.02 ug/ml

Instrument :

FID_D

ClientSampleId :

20 PPM AROMATIC HC STD