

Initial Calibration Report for SequenceID : FD071923AR

AreaCount

Parameter Range	FD046132.D	FD046133.D	FD046134.D	FD046135.D	FD046136.D	
Aromatic C10-C12	33281889.000	17463039.000	7094700.000	3962419.000	1904958.000	
Aromatic C12-C16	46041404.000	23812557.000	9624548.000	5339999.000	2531551.000	
Aromatic C16-C21	52856860.000	27027540.000	11099010.000	6194552.000	2922932.000	
Aromatic C21-C36	110229935.000	56807324.000	23527676.000	13037532.000	6183439.000	
Aromatic EPH	242410088.000	125110460.000	51345934.000	28534502.000	13542880.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aromatic C10-C12	181404.817	7.022				
Aromatic C12-C16	163880.1786662	5.869				
Aromatic C16-C21	141405.575	6.48				
Aromatic C21-C36	132339.3473328	6.755				
Aromatic EPH	145062.5886664	6.549				

Concentration

Parameter Range	FD046132.D	FD046133.D	FD046134.D	FD046135.D	FD046136.D	
Aromatic C10-C12	200.000	100.000	40.000	20.000	10.000	
Aromatic C12-C16	300.000	150.000	60.000	30.000	15.000	
Aromatic C16-C21	400.000	200.000	80.000	40.000	20.000	
Aromatic C21-C36	900.000	450.000	180.000	90.000	45.000	
Aromatic EPH	1800.000	900.000	360.000	180.000	90.000	

Response Factor

Parameter Range	FD046132.D	FD046133.D	FD046134.D	FD046135.D	FD046136.D	
Aromatic C10-C12	166409.445000	174630.390000	177367.500000	198120.950000	190495.800000	
Aromatic C12-C16	153471.346666	158750.380000	160409.133333	177999.966666	168770.066666	
Aromatic C16-C21	132142.150000	135137.700000	138737.625000	154863.800000	146146.600000	
Aromatic C21-C36	122477.705555	126238.497777	130709.311111	144861.466666	137409.755555	
Aromatic EPH	134672.271111	139011.622222	142627.594444	158525.011111	150476.444444	

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD071923AR\
 Data File : FD046132.D
 Signal(s) : FID2B.ch
 Acq On : 19 Jul 2023 17:43
 Operator : YP/AJ
 Sample : 100 PPM AROMATIC HC STD1
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 100 PPM AROMATIC HC STD1

Manual Integrations APPROVED

Reviewed By :Yogesh
 Patel

07/20/2023
 Supervised By :Ankita
 Jodhani

07/20/2023

Integration File: autoint1.e
 Quant Time: Jul 20 03:02:15 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 071923.M
 Quant Title : GC Extractables
 QLast Update : Thu Jul 20 02:58:14 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...	7.512	14046574	97.994 ug/ml
Spiked Amount 50.000		Recovery =	195.99%
6) S 2-Fluorobiphenyl (SURR)	8.367	8976580	98.886 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	197.77%#
11) S ortho-Terphenyl (SURR)	11.408	16201741	97.768 ug/ml
Spiked Amount 50.000		Recovery =	195.54%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.322	16601391	96.490 ug/ml
2) T Naphthalene (C11.7)	5.851	16680498	97.136 ug/ml
3) T 2-Methylnaphthalene (...)	6.902	16389683	97.397 ug/ml
5) T Acenaphthylene (C15.06)	8.172	14333162	97.999 ug/ml
7) T Acenaphthene (C15.5)	8.470	15318559	98.017 ug/ml
8) T Flouorene (C16.55)	9.247	14501312	98.510 ug/ml
9) T Phenanthrene (C19.36)	10.637	13530142	97.783 ug/ml
10) T Anthracene (C19.43)	10.712	12242435	97.540 ug/ml
12) T Fluoranthene (C21.85)	12.442	12818363	96.498 ug/ml
13) T Pyrene (C20.8)	12.737	12582971	96.293 ug/ml
14) T Benzo[a]anthracene (C...	14.602	12134308	96.511 ug/ml
15) T Chrysene (C27.41)	14.649	12509717	95.286 ug/ml
16) T benzo[b]fluoranthene ...	16.146	12791602	97.321 ug/ml
17) T Bnezo[k]fluoranthene ...	16.187	12604670	97.205 ug/mlm
18) T Benzo[a]pyrene (C31.34)	16.525	12266415	97.256 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.884	11775086	99.429 ug/ml
20) T Dibenz[a,h]anthracene...	17.925	11373482	94.440 ug/mlm
21) T Benzo[g,h,i]perylene ...	18.143	11956292	97.726 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

```
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD071923AR\  
Data File : FD046132.D  
Signal(s) : FID2B.ch  
Acq On    : 19 Jul 2023  17:43  
Operator  : YP/AJ  
Sample    : 100 PPM AROMATIC HC STD1  
Misc      :  
ALS Vial  : 25   Sample Multiplier: 1
```

Instrument :
FID_D
ClientSampleId :
100 PPM AROMATIC HC STD1

Manual Integrations

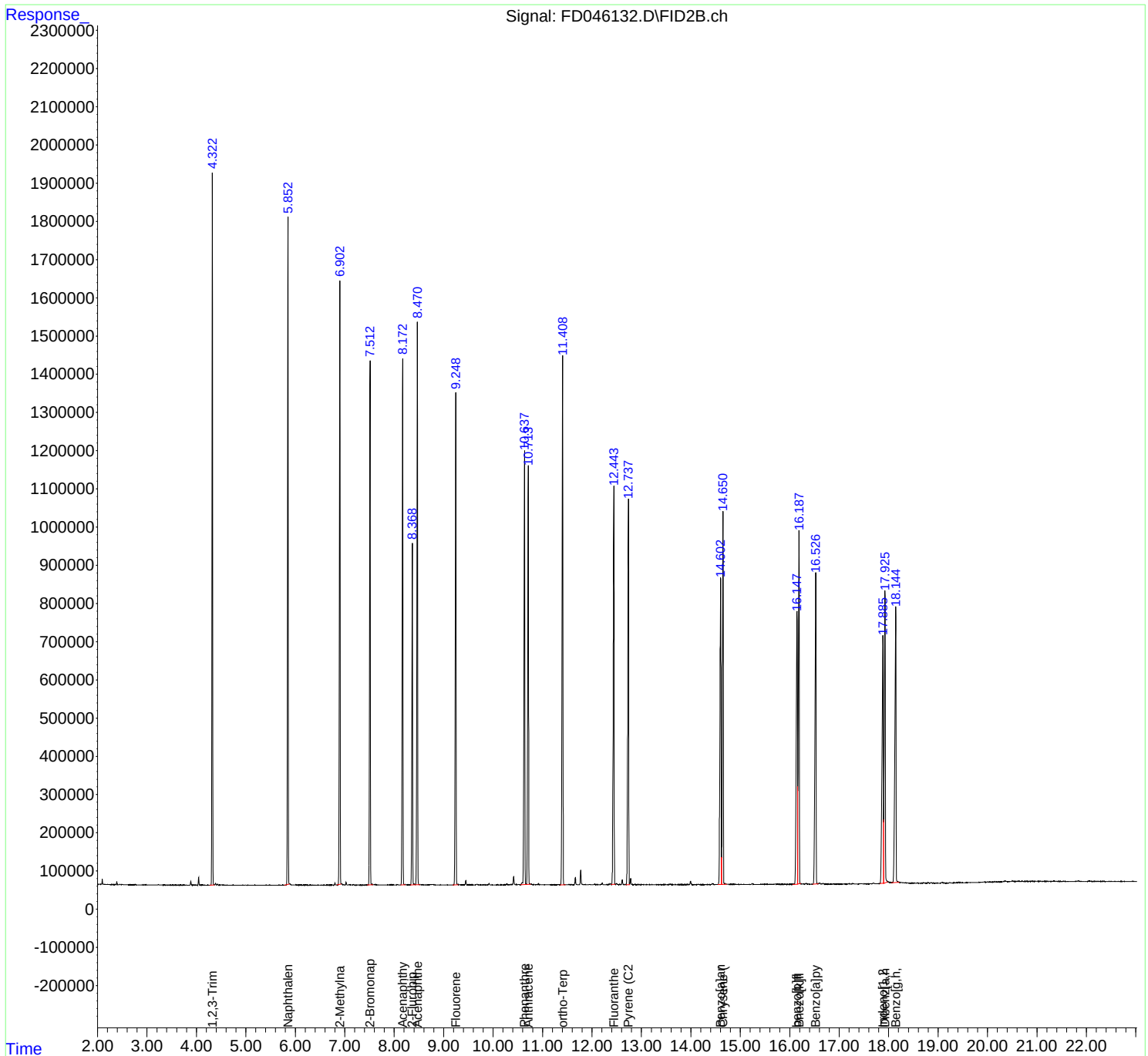
Reviewed By :Yogesh Patel

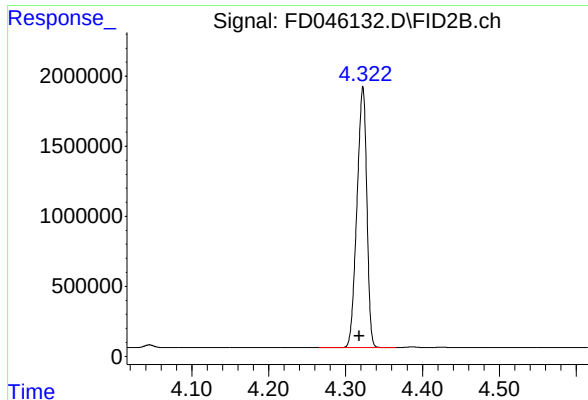
07/20/2023
Supervised By :Ankita
Jodhani

07/20/2023

Integration File: autoint1.e
Quant Time: Jul 20 03:02:15 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 071923.M
Quant Title : GC Extractables
QLast Update : Thu Jul 20 02:58:14 2023
Response via : Initial Calibration
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.: 4.322 min
Delta R.T.: 0.004 min
Response: 16601391
Conc: 96.49 ug/ml

Instrument :

FID_D

ClientSampleId :

100 PPM AROMATIC HC STD1

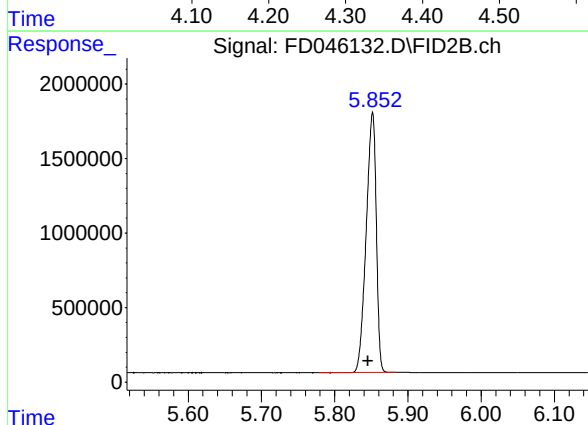
Manual Integrations
APPROVED

Reviewed By :Yogesh
Patel

07/20/2023

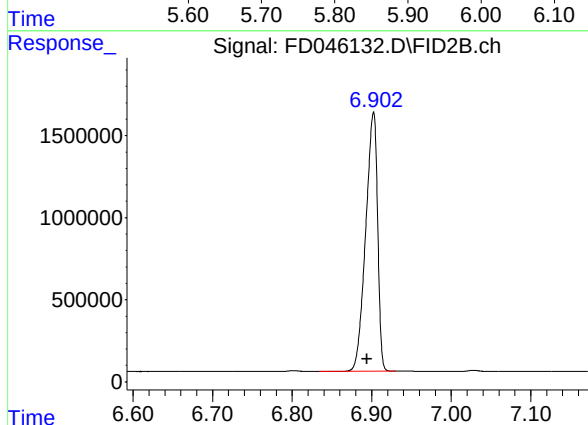
Supervised By :Ankita
Jodhani

07/20/2023



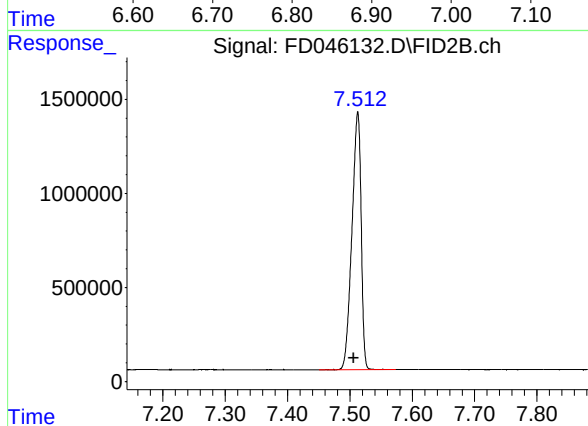
#2 Naphthalene (C11.7)

R.T.: 5.851 min
Delta R.T.: 0.005 min
Response: 16680498
Conc: 97.14 ug/ml



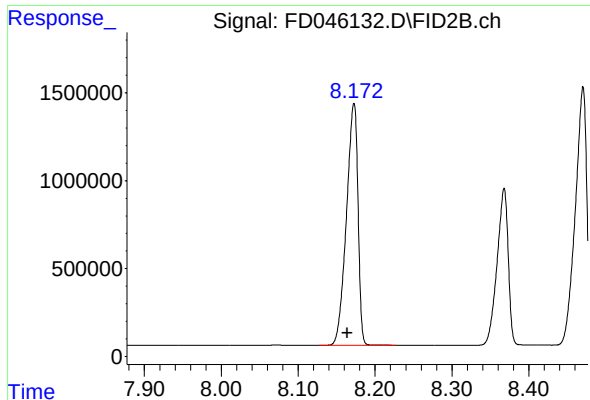
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.902 min
Delta R.T.: 0.007 min
Response: 16389683
Conc: 97.40 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.512 min
Delta R.T.: 0.006 min
Response: 14046574
Conc: 97.99 ug/ml



#5 Acenaphthylene (C15.06)

R.T.: 8.172 min
Delta R.T.: 0.008 min
Response: 14333162
Conc: 98.00 ug/ml

Instrument :

FID_D

ClientSampleId :

100 PPM AROMATIC HC STD1

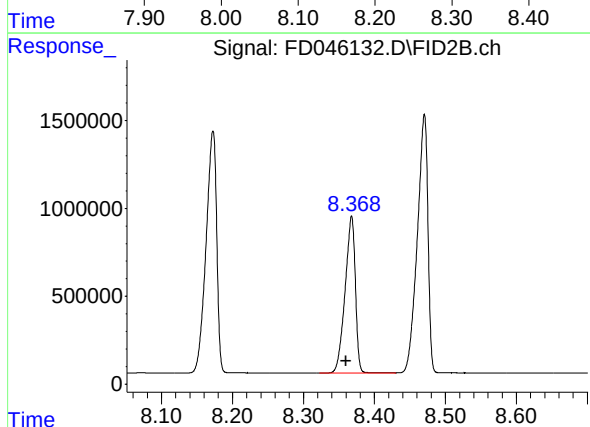
Manual Integrations
APPROVED

Reviewed By :Yogesh
Patel

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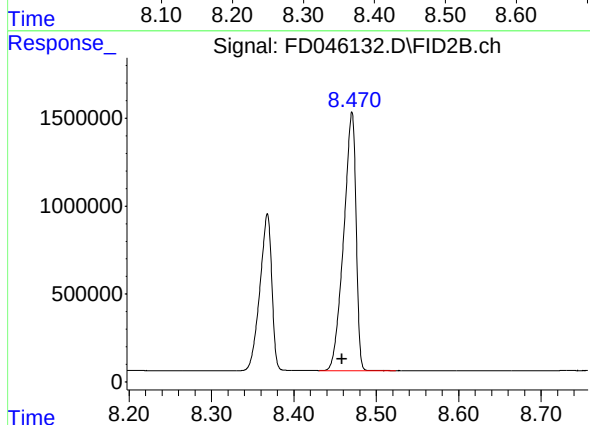
Supervised By :Ankita
Jodhani

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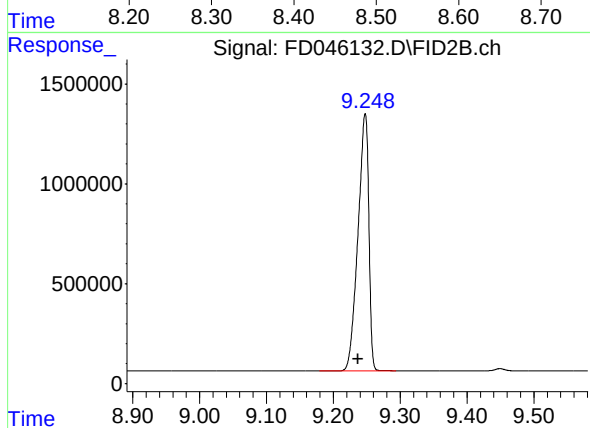
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.367 min
Delta R.T.: 0.007 min
Response: 8976580
Conc: 98.89 ug/ml



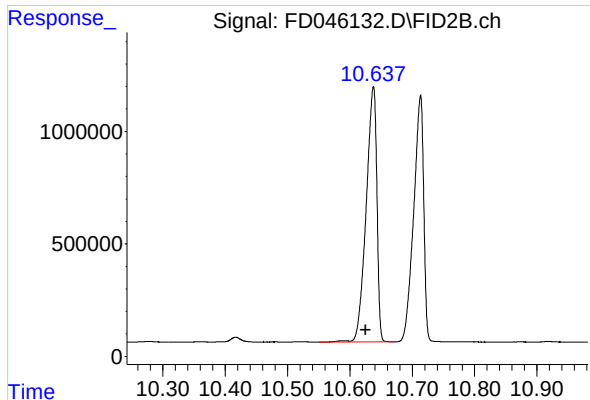
#7 Acenaphthene (C15.5)

R.T.: 8.470 min
Delta R.T.: 0.011 min
Response: 15318559
Conc: 98.02 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.247 min
Delta R.T.: 0.010 min
Response: 14501312
Conc: 98.51 ug/ml



#9 Phenanthrene (C19.36)

R.T.: 10.637 min
Delta R.T.: 0.011 min
Response: 13530142
Conc: 97.78 ug/ml

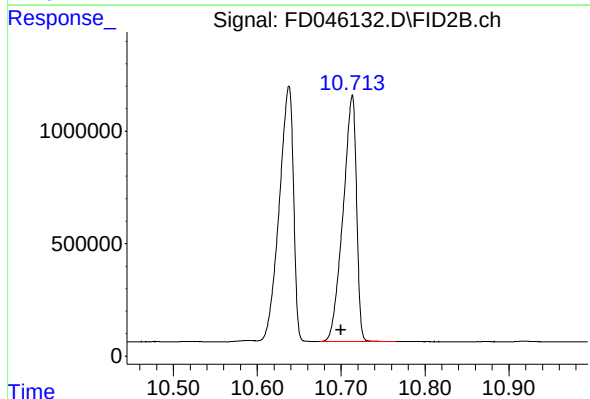
Instrument :
FID_D
ClientSampleId :
100 PPM AROMATIC HC STD1

Manual Integrations
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Patel

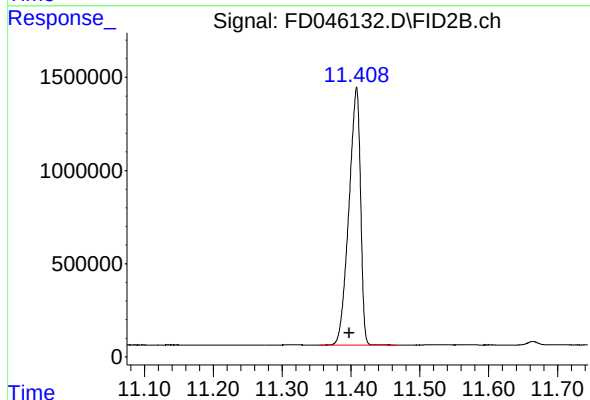
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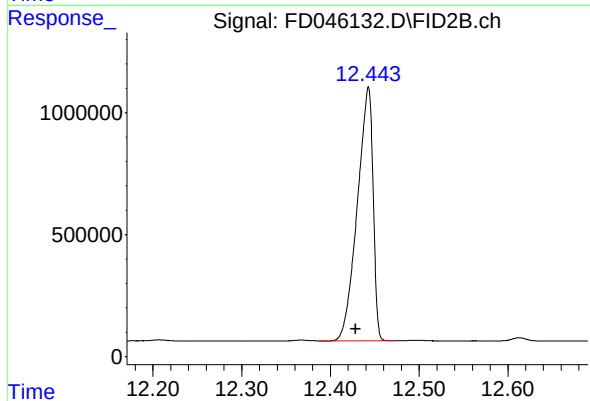
#10 Anthracene (C19.43)

R.T.: 10.712 min
Delta R.T.: 0.013 min
Response: 12242435
Conc: 97.54 ug/ml



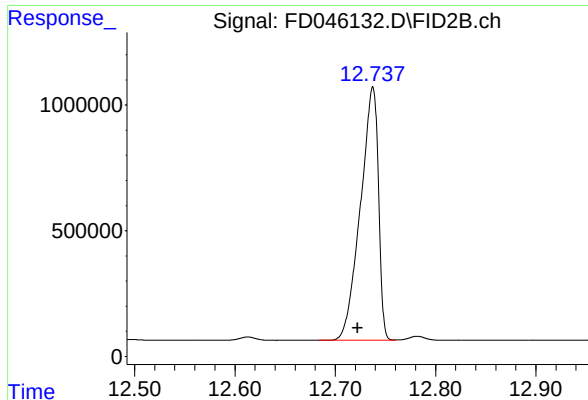
#11 ortho-Terphenyl (SURR)

R.T.: 11.408 min
Delta R.T.: 0.010 min
Response: 16201741
Conc: 97.77 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.442 min
Delta R.T.: 0.014 min
Response: 12818363
Conc: 96.50 ug/ml



#13 Pyrene (C20.8)

R.T.: 12.737 min
Delta R.T.: 0.014 min
Response: 12582971
Conc: 96.29 ug/ml

Instrument :

FID_D

ClientSampleId :

100 PPM AROMATIC HC STD1

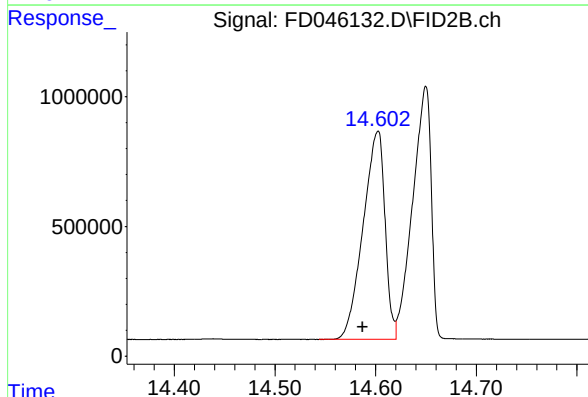
Manual Integrations
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Reviewed By :Yogesh
Patel

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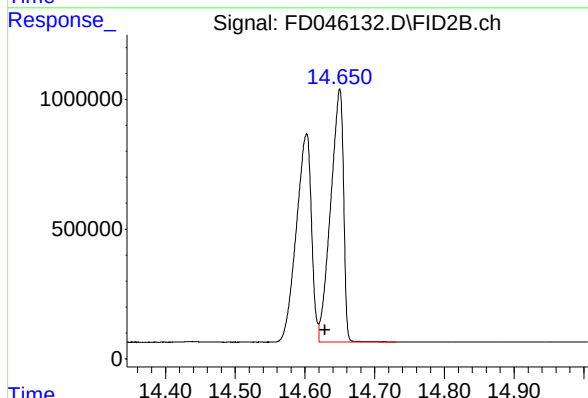
Supervised By :Ankita
Jodhani

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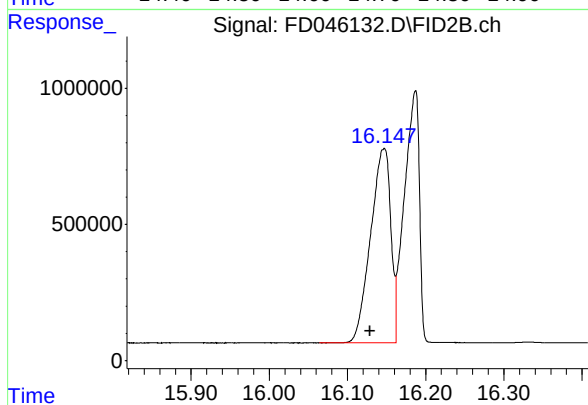
#14 Benzo[a]anthracene (C20.37)

R.T.: 14.602 min
Delta R.T.: 0.014 min
Response: 12134308
Conc: 96.51 ug/ml



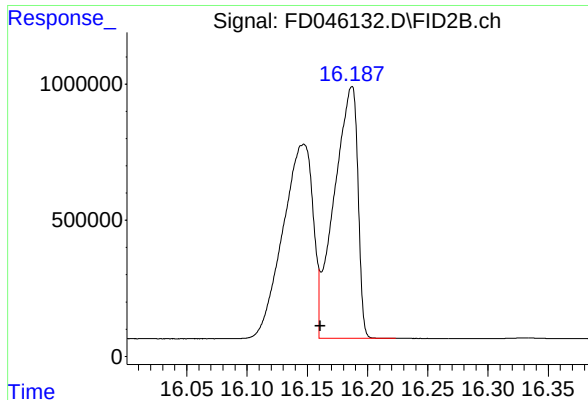
#15 Chrysene (C27.41)

R.T.: 14.649 min
Delta R.T.: 0.020 min
Response: 12509717
Conc: 95.29 ug/ml



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

R.T.: 16.146 min
Delta R.T.: 0.018 min
Response: 12791602
Conc: 97.32 ug/ml



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

R.T.: 16.187 min
Delta R.T.: 0.027 min
Response: 12604670
Conc: 97.21 ug/ml

Instrument :

FID_D

ClientSampleId :

100 PPM AROMATIC HC STD1

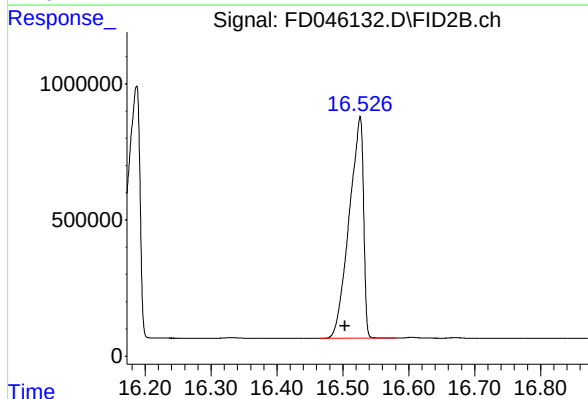
Manual Integrations
APPROVED

Reviewed By :Yogesh
Patel

07/20/2023

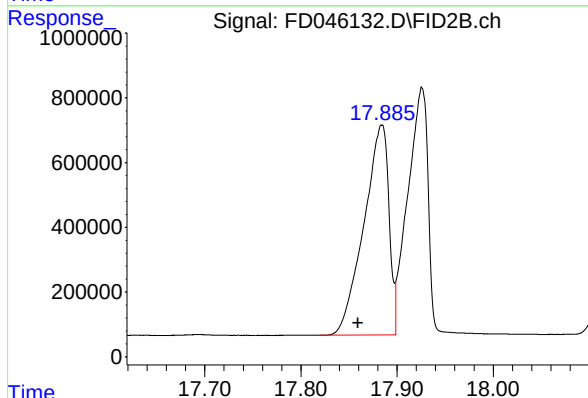
Supervised By :Ankita
Jodhani

07/20/2023



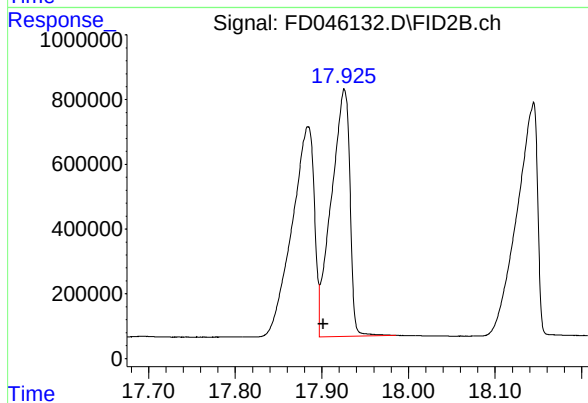
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.525 min
Delta R.T.: 0.022 min
Response: 12266415
Conc: 97.26 ug/ml



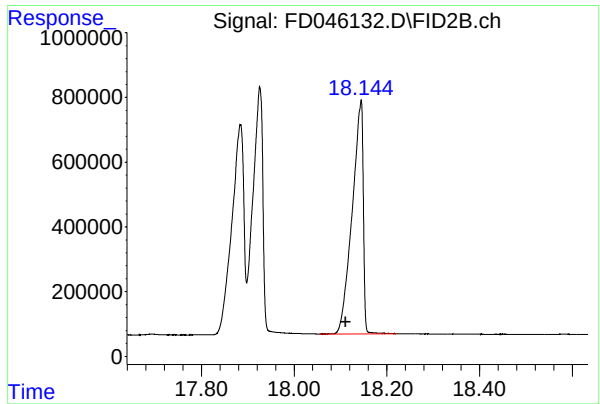
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.884 min
Delta R.T.: 0.024 min
Response: 11775086
Conc: 99.43 ug/ml



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

R.T.: 17.925 min
Delta R.T.: 0.024 min
Response: 11373482
Conc: 94.44 ug/ml m



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

R.T.: 18.143 min
Delta R.T.: 0.031 min
Response: 11956292
Conc: 97.73 ug/ml

Instrument :

FID_D

ClientSampleId :

100 PPM AROMATIC HC STD1

Manual Integrations

APPROVED

Reviewed By :Yogesh
Patel

07/20/2023
Supervised By :Ankita
Jodhani

07/20/2023

Instrument :

FID_D

LabSampleId :

100 PPM AROMATIC HC STD1

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD
Data File : FD046132.D
Signal(s) : FID2B.ch
Acq On : 19 Jul 2023 17:43
Sample : 100 PPM AROMATIC HC STD1
Misc :
ALS Vial : 25 Sample Multiplier: 1

Reviewed By :Yogesh Patel 07/20/2023
Supervised By :Ankita Jodhani 07/20/2023

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 071923.M
Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.322	4.265	4.365	BV	1861745	16601391	99.53%	5.901%
2	5.851	5.779	5.884	BV	1761672	16680498	100.00%	5.929%
3	6.902	6.834	6.930	BV	1578874	16389683	98.26%	5.825%
4	7.512	7.450	7.574	BB	1369437	14046574	84.21%	4.993%
5	8.172	8.127	8.227	BB	1379629	14333162	85.93%	5.095%
6	8.367	8.322	8.430	BV	891574	8976580	53.81%	3.191%
7	8.470	8.430	8.524	VB	1481304	15318559	91.84%	5.445%
8	9.247	9.179	9.294	BB	1287092	14501312	86.94%	5.154%
9	10.637	10.550	10.674	BV	1135937	13530142	81.11%	4.809%
10	10.712	10.674	10.765	VV	1083154	12242435	73.39%	4.351%
11	11.408	11.354	11.465	BB	1370543	16201741	97.13%	5.759%
12	12.442	12.387	12.474	PV	1039732	12818363	76.85%	4.556%
13	12.737	12.684	12.760	BV	1010320	12582971	75.44%	4.472%
14	14.602	14.544	14.620	BV	802540	12134308	72.75%	4.313%
15	14.649	14.620	14.730	VB	971938	12509717	75.00%	4.446%
16	16.146	16.064	16.162	BV	714834	12791602	76.69%	4.547%
17	16.186	16.162	16.239	VB	920126	12336083	73.96%	4.385%
18	16.525	16.464	16.580	BB	809276	12266415	73.54%	4.360%
19	17.884	17.819	17.899	BV	649548	11775086	70.59%	4.185%
20	17.925	17.899	18.054	VB	765513	11351597	68.05%	4.035%
21	18.143	18.054	18.220	BBA	702564	11956292	71.68%	4.250%
Sum of corrected areas:						281344510		

Aromatic EPH 071923.M Thu Jul 20 03:18:18 2023

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD071923AR\
 Data File : FD046133.D
 Signal(s) : FID2B.ch
 Acq On : 19 Jul 2023 18:29
 Operator : YP/AJ
 Sample : 50 PPM AROMATIC HC STD2
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 50 PPM AROMATIC HC STD2

Integration File: autoint1.e
 Quant Time: Jul 20 03:04:11 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 071923.M
 Quant Title : GC Extractables
 QLast Update : Thu Jul 20 02:58:14 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...	7.508	7252038	50.394 ug/ml
Spiked Amount 50.000		Recovery =	100.79%
6) S 2-Fluorobiphenyl (SURR)	8.362	4583535	50.327 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	100.65%
11) S ortho-Terphenyl (SURR)	11.401	8280592	49.979 ug/ml
Spiked Amount 50.000		Recovery =	99.96%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.320	8722247	50.461 ug/ml
2) T Naphthalene (C11.7)	5.848	8740792	50.597 ug/ml
3) T 2-Methylnaphthalene (...)	6.897	8548310	50.530 ug/ml
5) T Acenaphthylene (C15.06)	8.167	7384463	50.325 ug/ml
7) T Acenaphthene (C15.5)	8.464	7879784	50.279 ug/ml
8) T Fluorene (C16.55)	9.241	7401127	50.185 ug/ml
9) T Phenanthrene (C19.36)	10.630	6886736	49.847 ug/ml
10) T Anthracene (C19.43)	10.704	6267186	49.955 ug/ml
12) T Fluoranthene (C21.85)	12.434	6562612	49.601 ug/ml
13) T Pyrene (C20.8)	12.729	6472491	49.687 ug/ml
14) T Benzo[a]anthracene (C...	14.594	6258884	49.853 ug/ml
15) T Chrysene (C27.41)	14.637	6513787	49.743 ug/ml
16) T benzo[b]fluoranthene ...	16.137	6553186	49.905 ug/ml
17) T Bnezo[k]fluoranthene ...	16.172	6419269	49.543 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.513	6305376	49.995 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.871	5939514	50.102 ug/ml
20) T Dibenz[a,h]anthracene...	17.912	6084826	50.192 ug/ml
21) T Benzo[g,h,i]perylene ...	18.126	6169870	50.286 ug/ml

(f)=RT Delta > 1/2 Window

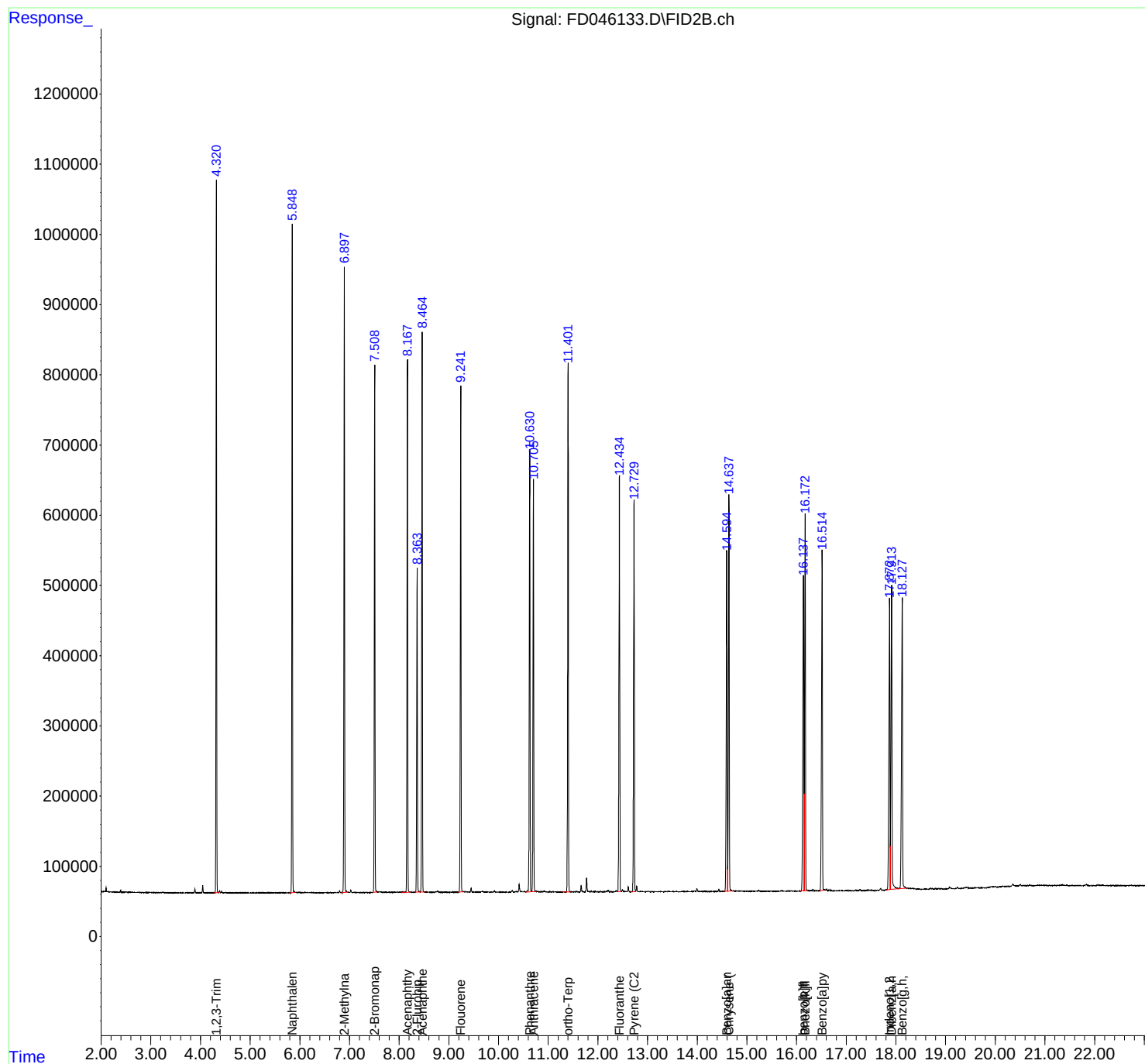
(m)=manual int.

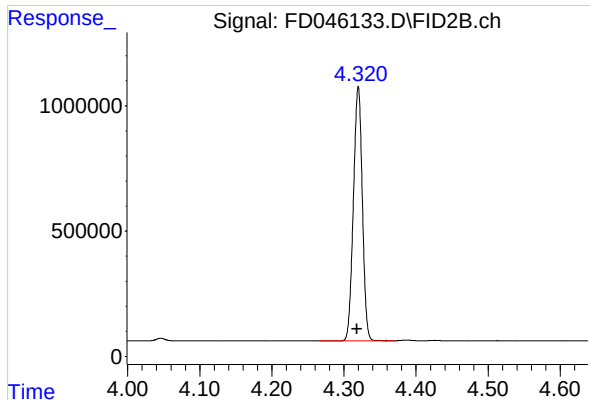
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD071923AR\
Data File : FD046133.D
Signal(s) : FID2B.ch
Acq On : 19 Jul 2023 18:29
Operator : YP/AJ
Sample : 50 PPM AROMATIC HC STD2
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2

Integration File: autoint1.e
Quant Time: Jul 20 03:04:11 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 071923.M
Quant Title : GC Extractables
QLast Update : Thu Jul 20 02:58:14 2023
Response via : Initial Calibration
Integrator: ChemStation

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

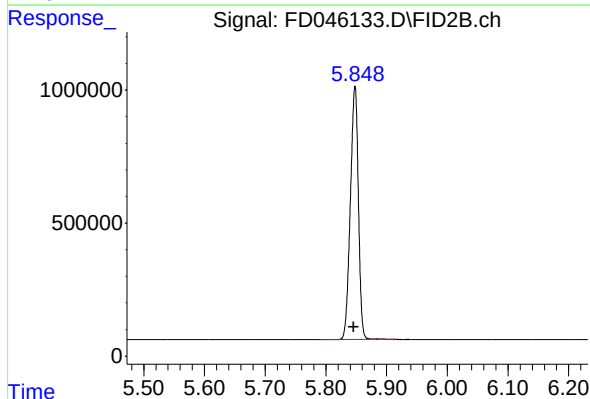




#1 1,2,3-Trimethylbenzene (C10.1)

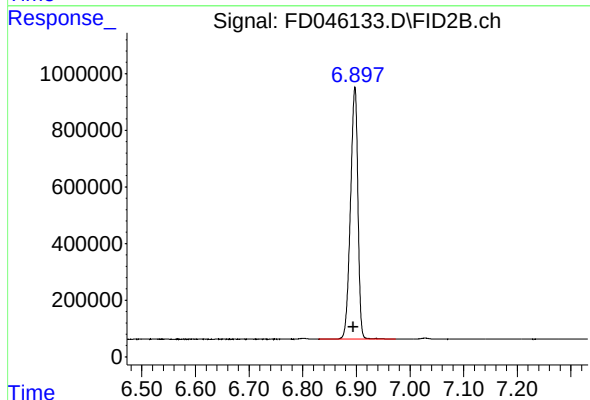
R.T.: 4.320 min
Delta R.T.: 0.002 min
Response: 8722247
Conc: 50.46 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2



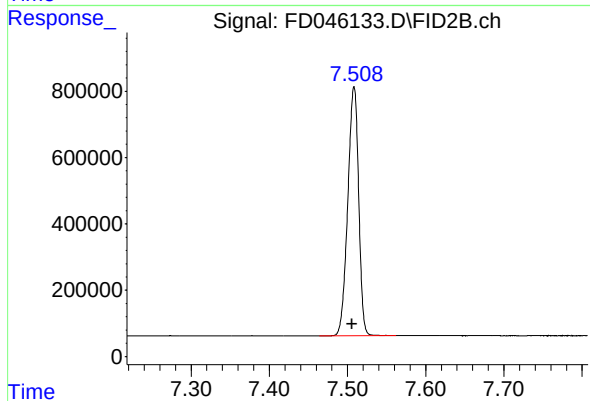
#2 Naphthalene (C11.7)

R.T.: 5.848 min
Delta R.T.: 0.002 min
Response: 8740792
Conc: 50.60 ug/ml



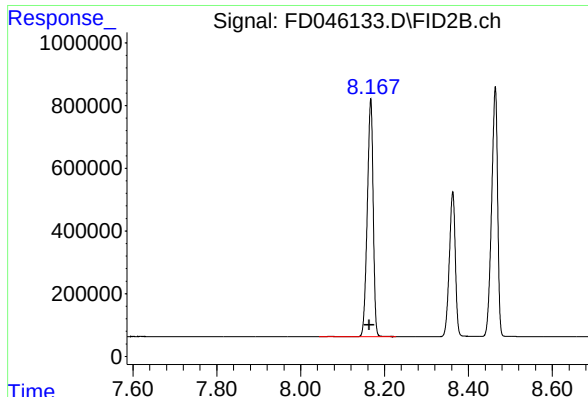
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.897 min
Delta R.T.: 0.003 min
Response: 8548310
Conc: 50.53 ug/ml



#4 2-Bromonaphthalene (SURR)

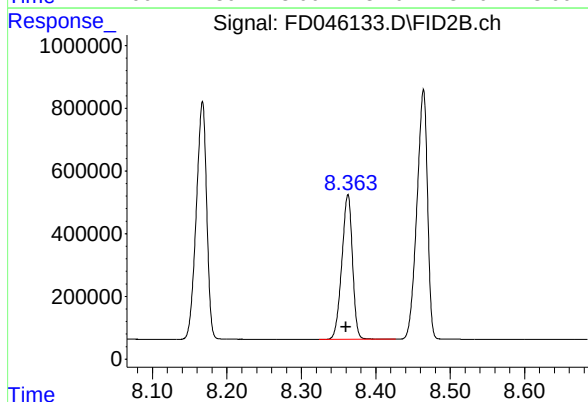
R.T.: 7.508 min
Delta R.T.: 0.002 min
Response: 7252038
Conc: 50.39 ug/ml



#5 Acenaphthylene (C15.06)

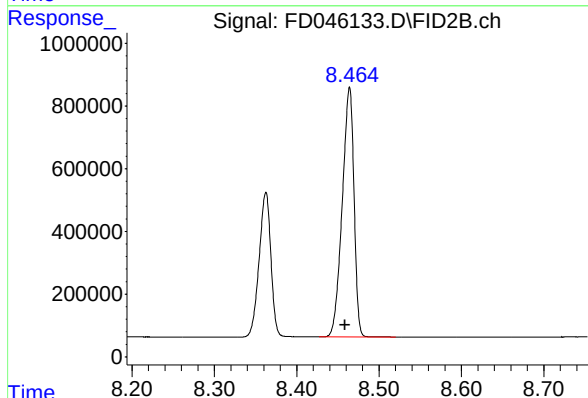
R.T.: 8.167 min
Delta R.T.: 0.003 min
Response: 7384463
Conc: 50.32 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2



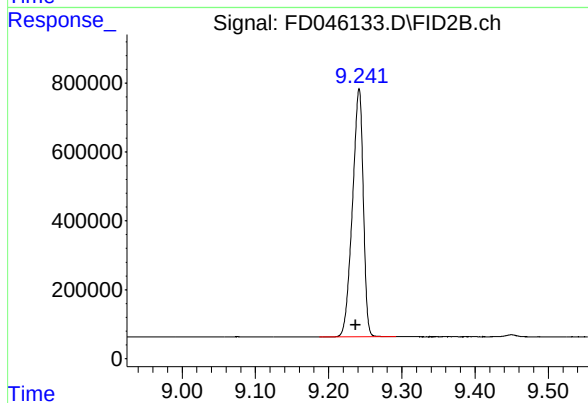
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.362 min
Delta R.T.: 0.002 min
Response: 4583535
Conc: 50.33 ug/ml



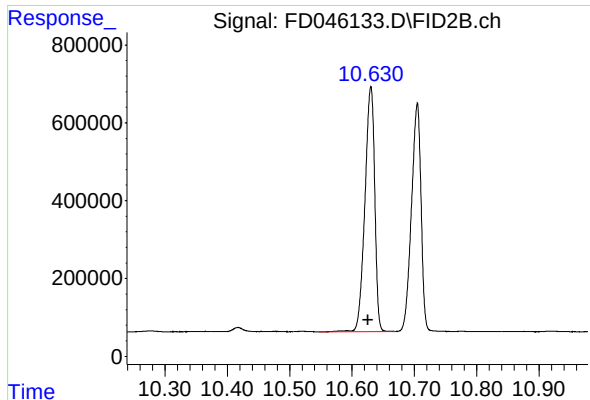
#7 Acenaphthene (C15.5)

R.T.: 8.464 min
Delta R.T.: 0.005 min
Response: 7879784
Conc: 50.28 ug/ml



#8 Fluorene (C16.55)

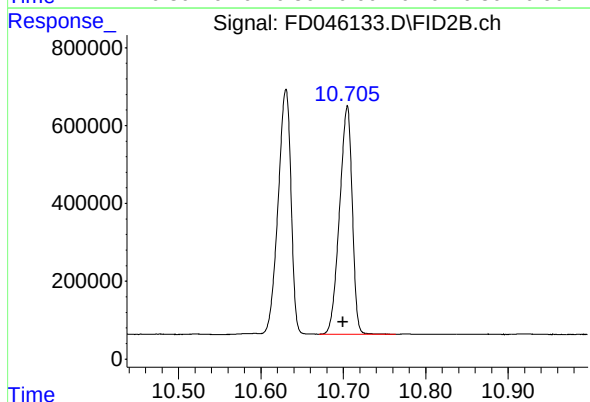
R.T.: 9.241 min
Delta R.T.: 0.004 min
Response: 7401127
Conc: 50.18 ug/ml



#9 Phenanthrene (C19.36)

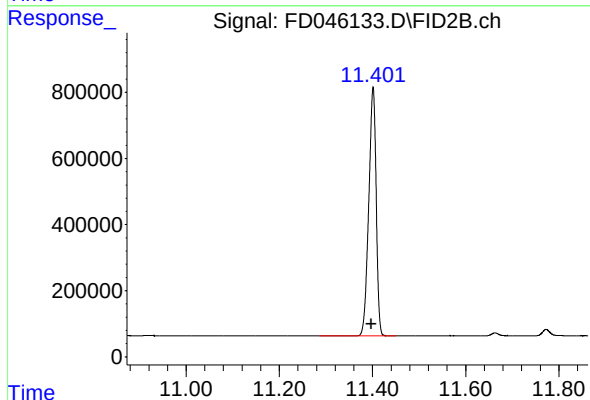
R.T.: 10.630 min
Delta R.T.: 0.004 min
Response: 6886736
Conc: 49.85 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2



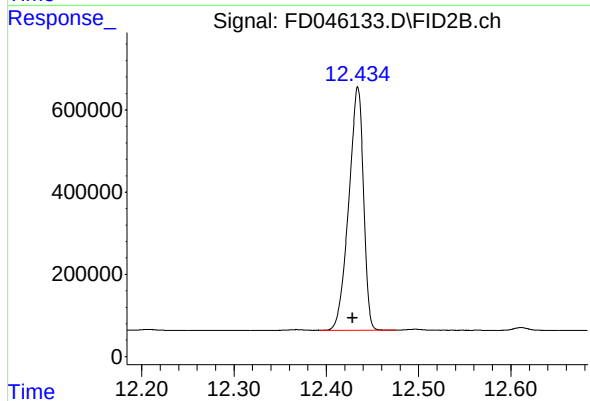
#10 Anthracene (C19.43)

R.T.: 10.704 min
Delta R.T.: 0.005 min
Response: 6267186
Conc: 49.96 ug/ml



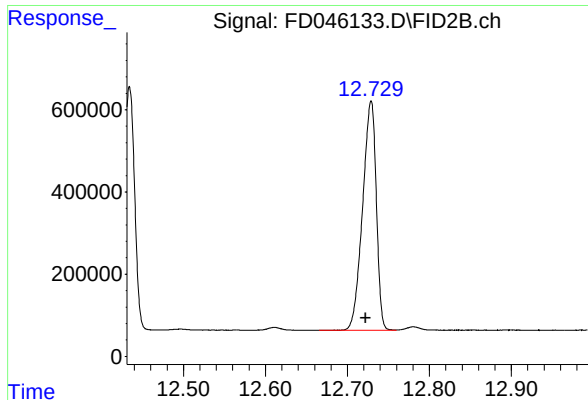
#11 ortho-Terphenyl (SURRE)

R.T.: 11.401 min
Delta R.T.: 0.004 min
Response: 8280592
Conc: 49.98 ug/ml



#12 Fluoranthene (C21.85)

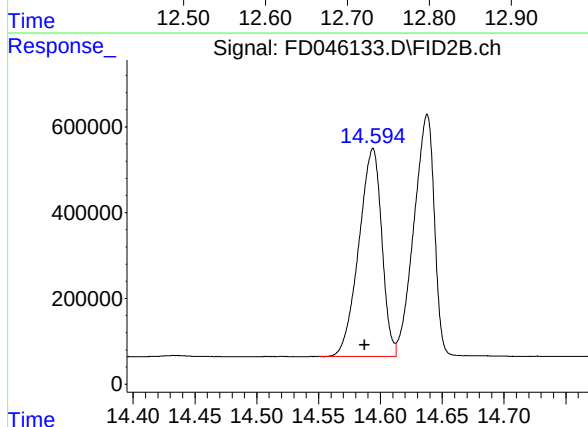
R.T.: 12.434 min
Delta R.T.: 0.005 min
Response: 6562612
Conc: 49.60 ug/ml



#13 Pyrene (C20.8)

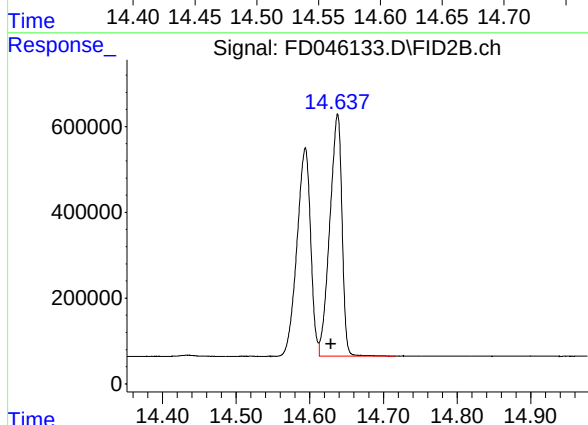
R.T.: 12.729 min
Delta R.T.: 0.006 min
Response: 6472491
Conc: 49.69 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2



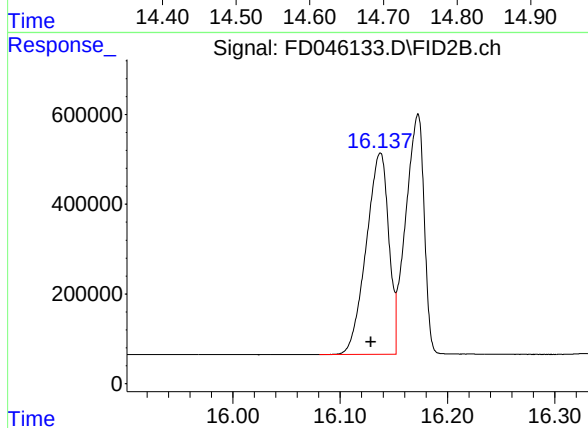
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.594 min
Delta R.T.: 0.006 min
Response: 6258884
Conc: 49.85 ug/ml



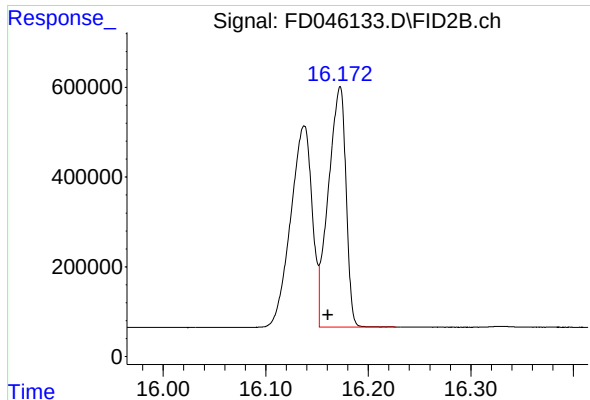
#15 Chrysene (C27.41)

R.T.: 14.637 min
Delta R.T.: 0.009 min
Response: 6513787
Conc: 49.74 ug/ml



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

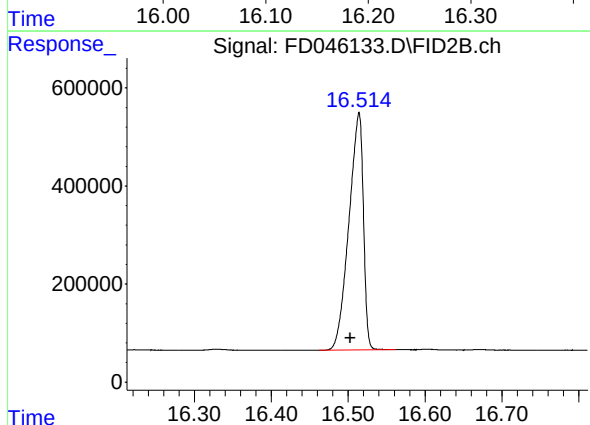
R.T.: 16.137 min
Delta R.T.: 0.008 min
Response: 6553186
Conc: 49.91 ug/ml



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

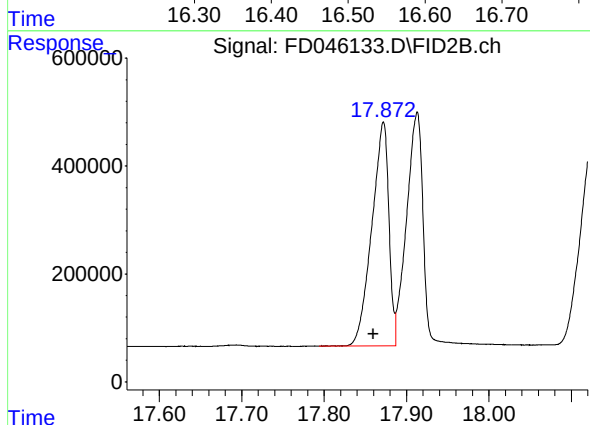
R.T.: 16.172 min
Delta R.T.: 0.011 min
Response: 6419269
Conc: 49.54 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2



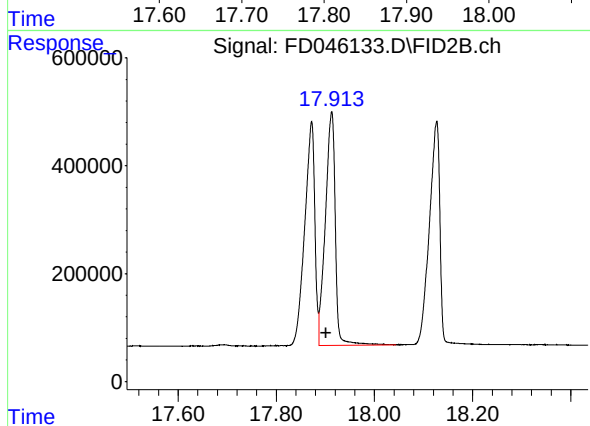
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.513 min
Delta R.T.: 0.010 min
Response: 6305376
Conc: 50.00 ug/ml



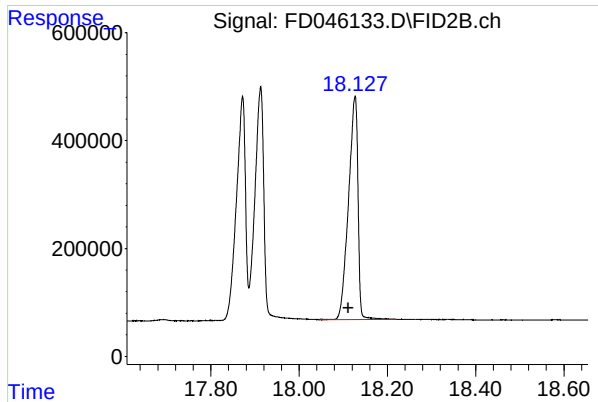
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.871 min
Delta R.T.: 0.012 min
Response: 5939514
Conc: 50.10 ug/ml



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

R.T.: 17.912 min
Delta R.T.: 0.011 min
Response: 6084826
Conc: 50.19 ug/ml



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

R.T.: 18.126 min
Delta R.T.: 0.015 min
Response: 6169870
Conc: 50.29 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD071923AR\
Data File : FD046133.D
Signal(s) : FID2B.ch
Acq On : 19 Jul 2023 18:29
Sample : 50 PPM AROMATIC HC STD2
Misc :
ALS Vial : 26 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 071923.M
Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.320	4.265	4.372	BB	1018206	8722247	99.79%	6.006%
2	5.848	5.789	5.915	BB	948375	8740792	100.00%	6.019%
3	6.897	6.830	6.974	BB	890573	8548310	97.80%	5.886%
4	7.508	7.464	7.562	BB	753150	7252038	82.97%	4.994%
5	8.167	8.044	8.227	BB	761170	7384463	84.48%	5.085%
6	8.362	8.324	8.427	BB	460849	4583535	52.44%	3.156%
7	8.464	8.427	8.520	BB	796441	7879784	90.15%	5.426%
8	9.241	9.187	9.292	BB	725856	7401127	84.67%	5.096%
9	10.630	10.547	10.670	BV	631186	6886736	78.79%	4.742%
10	10.704	10.670	10.764	VB	582446	6267186	71.70%	4.315%
11	11.401	11.285	11.450	BB	749788	8280592	94.74%	5.702%
12	12.434	12.392	12.475	BV	593518	6562612	75.08%	4.519%
13	12.729	12.665	12.759	BV	559222	6472491	74.05%	4.457%
14	14.594	14.550	14.613	BV	486232	6258884	71.61%	4.310%
15	14.637	14.613	14.717	VB	563151	6513787	74.52%	4.485%
16	16.137	16.080	16.152	BV	449060	6553186	74.97%	4.512%
17	16.172	16.152	16.227	VB	536253	6419269	73.44%	4.420%
18	16.513	16.462	16.562	BB	484874	6305376	72.14%	4.342%
19	17.871	17.794	17.887	BV	416380	5939514	67.95%	4.090%
20	17.912	17.887	18.044	VB	430846	6084826	69.61%	4.190%
21	18.126	18.045	18.220	BBA	410727	6169870	70.59%	4.248%
Sum of corrected areas:						145226626		

Aromatic EPH 071923.M Thu Jul 20 03:18:41 2023

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD071923AR\
 Data File : FD046134.D
 Signal(s) : FID2B.ch
 Acq On : 19 Jul 2023 19:14
 Operator : YP/AJ
 Sample : 20 PPM AROMATIC HC STD3
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 20 PPM AROMATIC HC STD3

Integration File: autoint1.e
 Quant Time: Jul 20 02:59:57 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 071923.M
 Quant Title : GC Extractables
 QLast Update : Thu Jul 20 02:58:14 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	2924320	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
6) S 2-Fluorobiphenyl (SURR)	8.360	1835777	20.000 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	40.00%
11) S ortho-Terphenyl (SURR)	11.398	3388332	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.318	3561842	20.000 ug/ml
2) T Naphthalene (C11.7)	5.846	3532858	20.000 ug/ml
3) T 2-Methylnaphthalene (...)	6.894	3453178	20.000 ug/ml
5) T Acenaphthylene (C15.06)	8.164	2983719	20.000 ug/ml
7) T Acenaphthene (C15.5)	8.459	3187651	20.000 ug/ml
8) T Fluorene (C16.55)	9.237	2987975	20.000 ug/ml
9) T Phenanthrene (C19.36)	10.626	2828725	20.000 ug/ml
10) T Anthracene (C19.43)	10.700	2571970	20.000 ug/ml
12) T Fluoranthene (C21.85)	12.428	2749724	20.000 ug/ml
13) T Pyrene (C20.8)	12.722	2710340	20.000 ug/ml
14) T Benzo[a]anthracene (C...	14.587	2602354	20.000 ug/ml
15) T Chrysene (C27.41)	14.629	2749486	20.000 ug/ml
16) T benzo[b]fluoranthene ...	16.129	2699147	20.000 ug/ml
17) T Bnezo[k]fluoranthene ...	16.161	2685481	20.000 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.503	2591720	20.000 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.859	2382051	20.000 ug/ml
20) T Dibenz[a,h]anthracene...	17.901	2565165	20.000 ug/ml
21) T Benzo[g,h,i]perylene ...	18.111	2502548	20.000 ug/ml

(f)=RT Delta > 1/2 Window

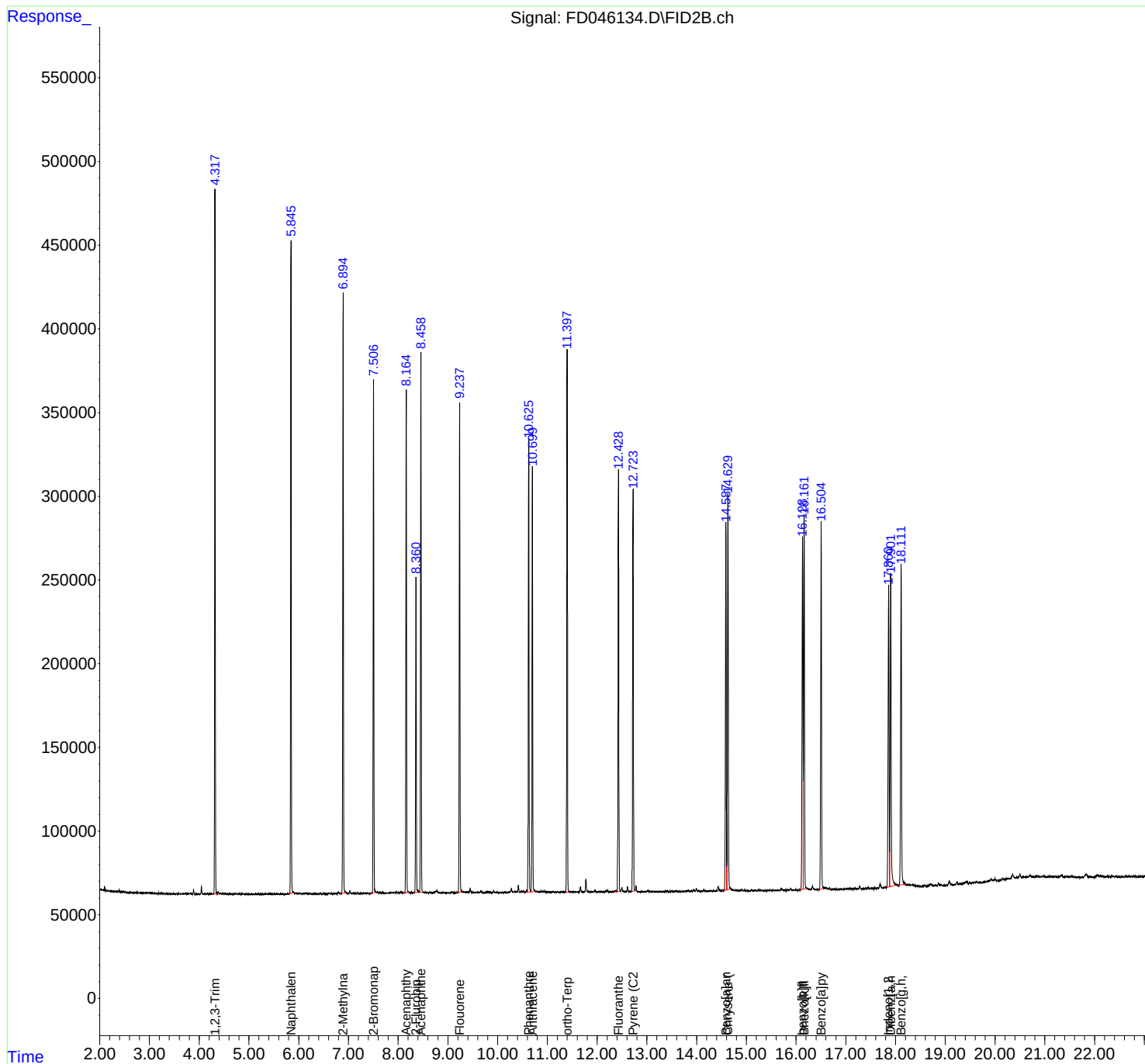
(m)=manual int.

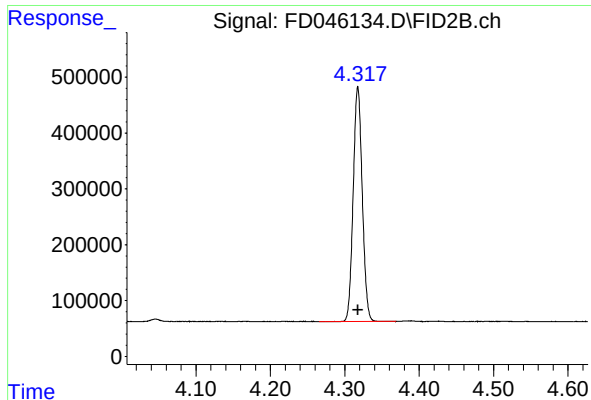
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD071923AR\
Data File : FD046134.D
Signal(s) : FID2B.ch
Acq On : 19 Jul 2023 19:14
Operator : YP/AJ
Sample : 20 PPM AROMATIC HC STD3
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3

Integration File: autoint1.e
Quant Time: Jul 20 02:59:57 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 071923.M
Quant Title : GC Extractables
QLast Update : Thu Jul 20 02:58:14 2023
Response via : Initial Calibration
Integrator: ChemStation

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

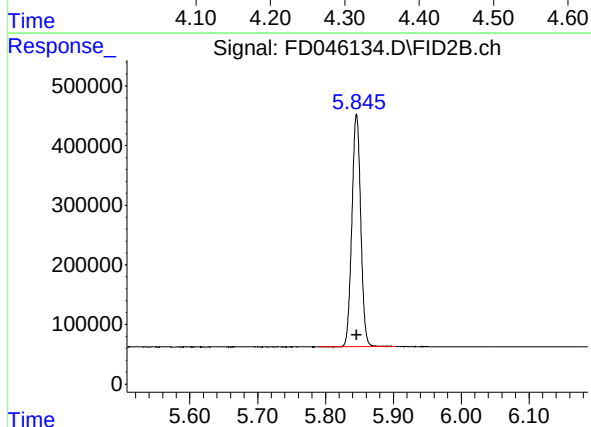




#1 1,2,3-Trimethylbenzene (C10.1)

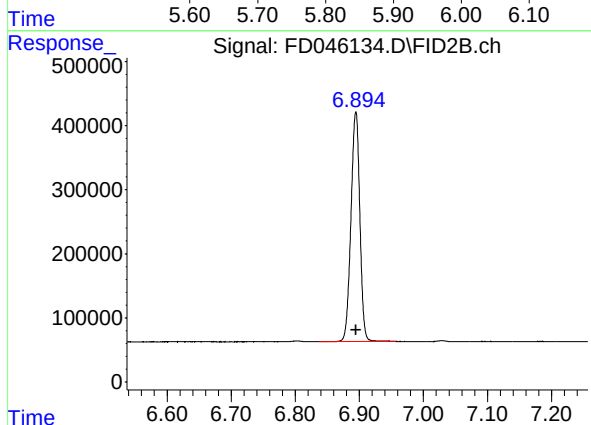
R.T.: 4.318 min
Delta R.T.: 0.000 min
Response: 3561842
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3



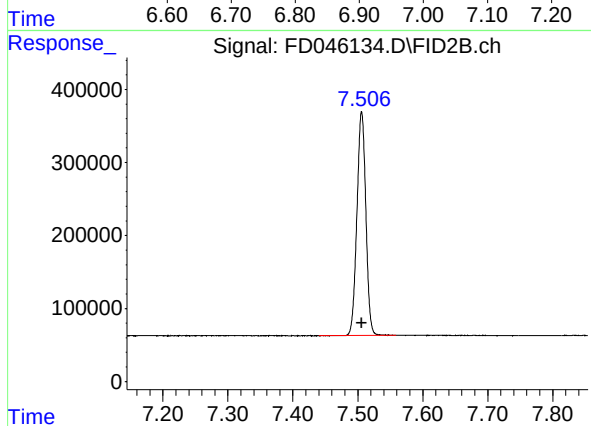
#2 Naphthalene (C11.7)

R.T.: 5.846 min
Delta R.T.: 0.000 min
Response: 3532858
Conc: 20.00 ug/ml



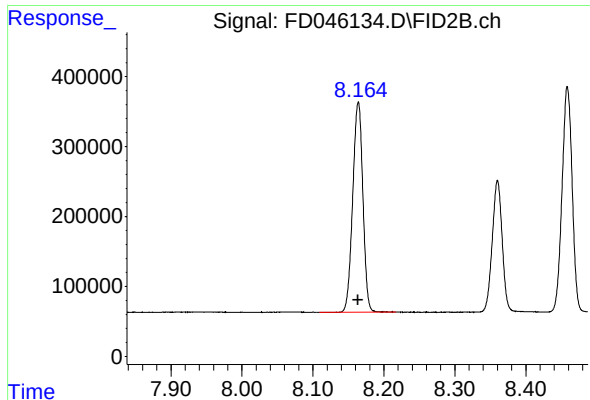
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.894 min
Delta R.T.: 0.000 min
Response: 3453178
Conc: 20.00 ug/ml



#4 2-Bromonaphthalene (SURR)

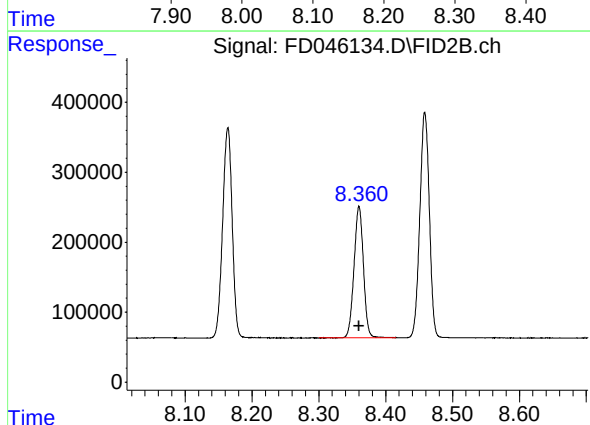
R.T.: 7.506 min
Delta R.T.: 0.000 min
Response: 2924320
Conc: 20.00 ug/ml



#5 Acenaphthylene (C15.06)

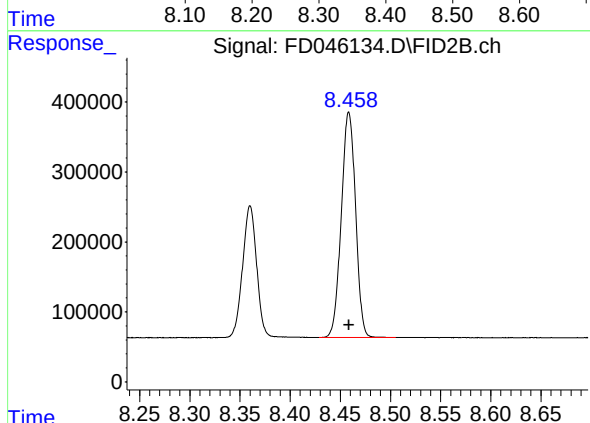
R.T.: 8.164 min
Delta R.T.: 0.000 min
Response: 2983719
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3



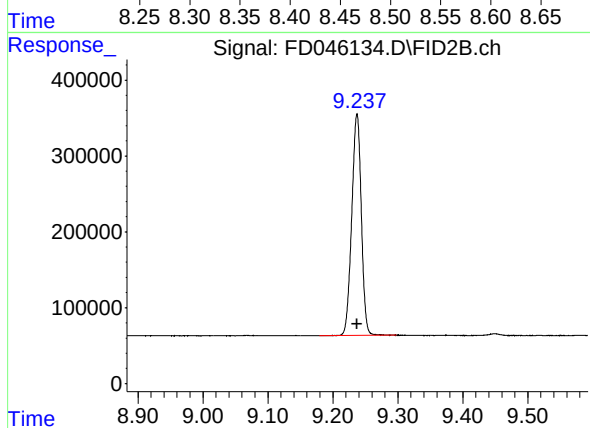
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.360 min
Delta R.T.: 0.000 min
Response: 1835777
Conc: 20.00 ug/ml



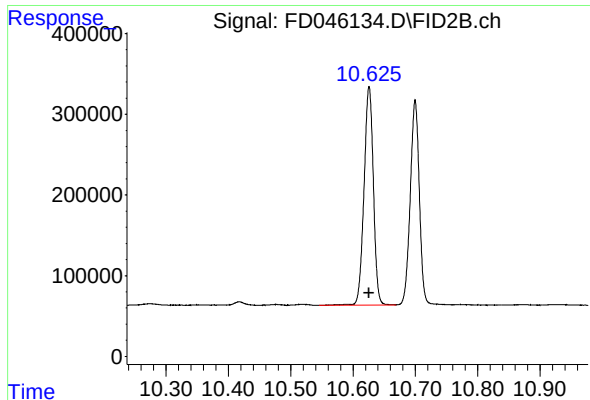
#7 Acenaphthene (C15.5)

R.T.: 8.459 min
Delta R.T.: 0.000 min
Response: 3187651
Conc: 20.00 ug/ml



#8 Flouorene (C16.55)

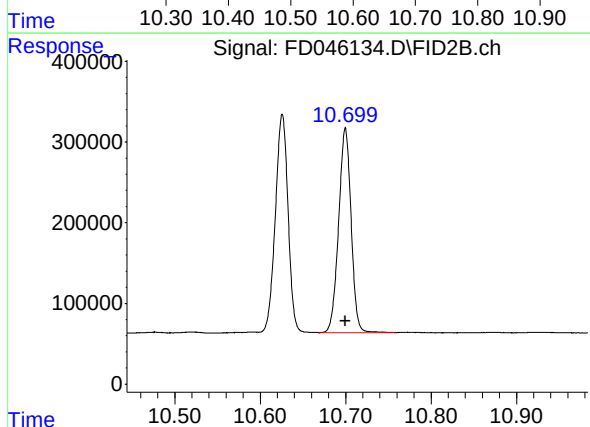
R.T.: 9.237 min
Delta R.T.: 0.000 min
Response: 2987975
Conc: 20.00 ug/ml



#9 Phenanthrene (C19.36)

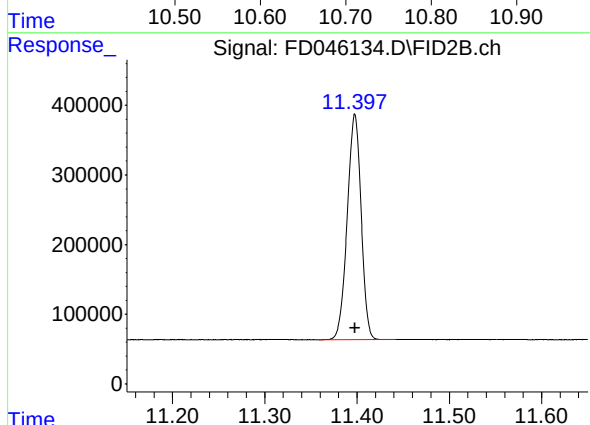
R.T.: 10.626 min
Delta R.T.: 0.000 min
Response: 2828725
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3



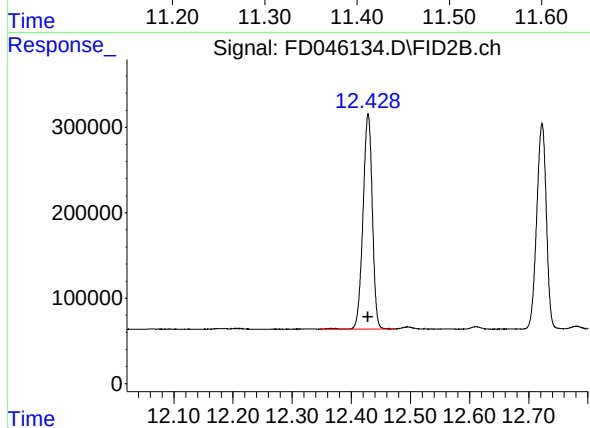
#10 Anthracene (C19.43)

R.T.: 10.700 min
Delta R.T.: 0.000 min
Response: 2571970
Conc: 20.00 ug/ml



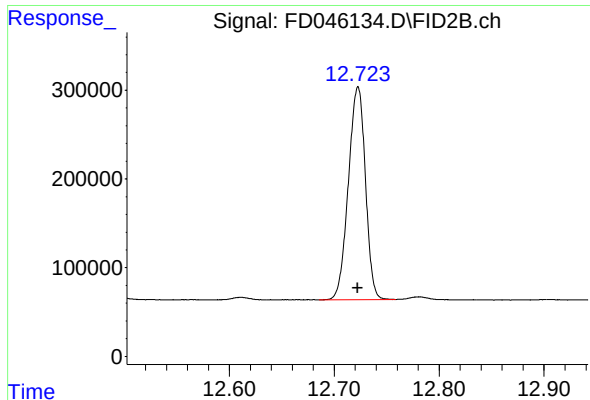
#11 ortho-Terphenyl (SURRE)

R.T.: 11.398 min
Delta R.T.: 0.000 min
Response: 3388332
Conc: 20.00 ug/ml



#12 Fluoranthene (C21.85)

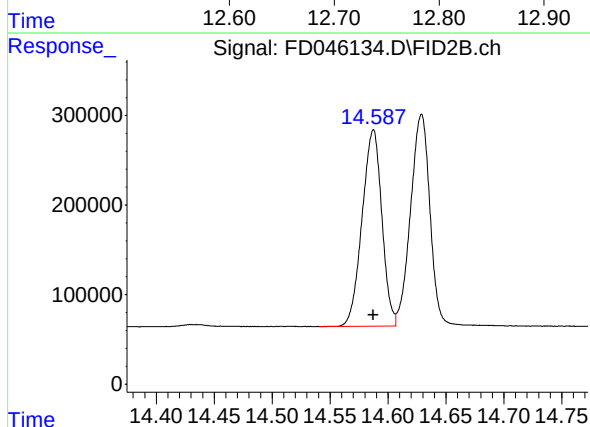
R.T.: 12.428 min
Delta R.T.: 0.000 min
Response: 2749724
Conc: 20.00 ug/ml



#13 Pyrene (C20.8)

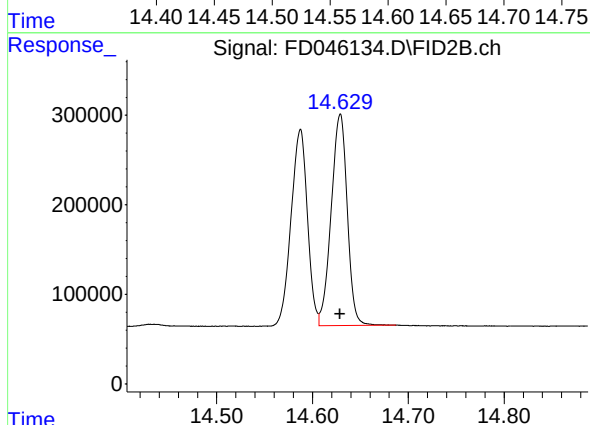
R.T.: 12.722 min
Delta R.T.: 0.000 min
Response: 2710340
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3



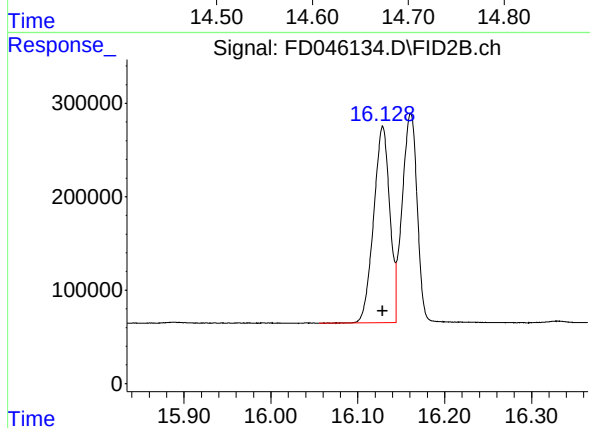
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.587 min
Delta R.T.: 0.000 min
Response: 2602354
Conc: 20.00 ug/ml



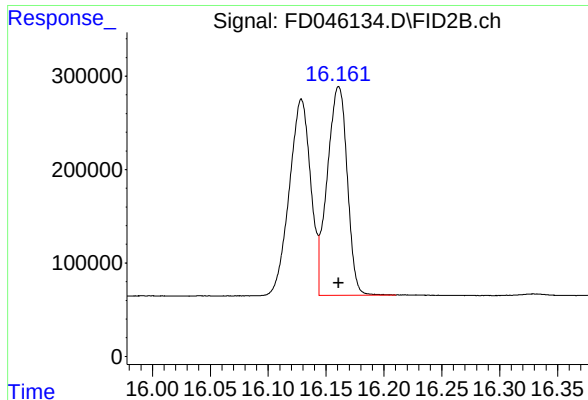
#15 Chrysene (C27.41)

R.T.: 14.629 min
Delta R.T.: 0.000 min
Response: 2749486
Conc: 20.00 ug/ml



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

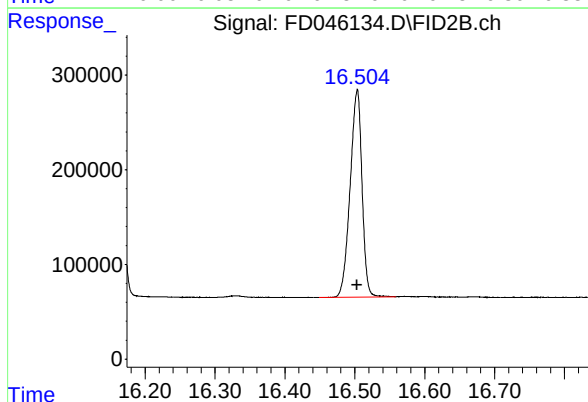
R.T.: 16.129 min
Delta R.T.: 0.000 min
Response: 2699147
Conc: 20.00 ug/ml



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

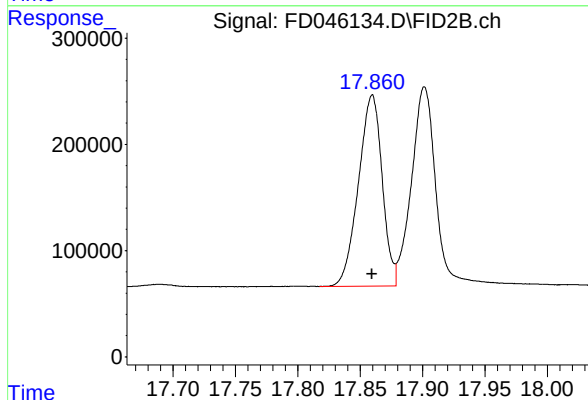
R.T.: 16.161 min
Delta R.T.: 0.000 min
Response: 2685481
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3



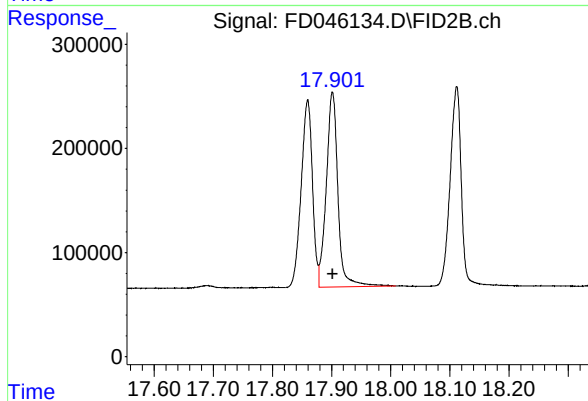
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.503 min
Delta R.T.: 0.000 min
Response: 2591720
Conc: 20.00 ug/ml



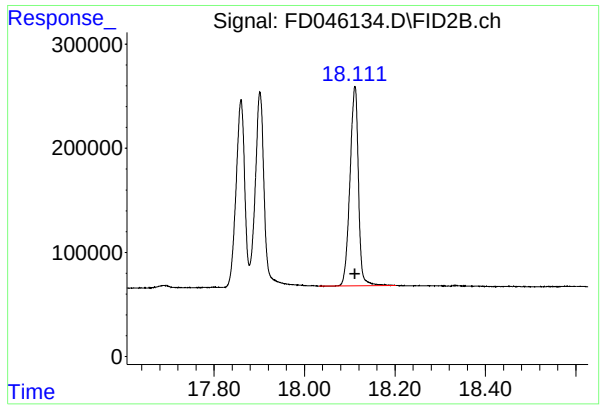
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.859 min
Delta R.T.: 0.000 min
Response: 2382051
Conc: 20.00 ug/ml



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

R.T.: 17.901 min
Delta R.T.: 0.000 min
Response: 2565165
Conc: 20.00 ug/ml



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

R.T.: 18.111 min
Delta R.T.: 0.000 min
Response: 2502548
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD071923AR\
Data File : FD046134.D
Signal(s) : FID2B.ch
Acq On : 19 Jul 2023 19:14
Sample : 20 PPM AROMATIC HC STD3
Misc :
ALS Vial : 27 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 071923.M
Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.318	4.265	4.369	BB	419719	3561842	100.00%	5.987%
2	5.846	5.790	5.904	BB	389726	3532858	99.19%	5.938%
3	6.894	6.837	6.957	BB	358455	3453178	96.95%	5.804%
4	7.506	7.440	7.559	BB	306700	2924320	82.10%	4.915%
5	8.164	8.109	8.217	BB	300292	2983719	83.77%	5.015%
6	8.360	8.300	8.415	BB	188322	1835777	51.54%	3.086%
7	8.459	8.429	8.505	BB	321700	3187651	89.49%	5.358%
8	9.237	9.179	9.297	BB	292185	2987975	83.89%	5.022%
9	10.626	10.545	10.669	BV	271148	2828725	79.42%	4.755%
10	10.700	10.669	10.759	VB	254085	2571970	72.21%	4.323%
11	11.398	11.359	11.442	BB	324308	3388332	95.13%	5.695%
12	12.428	12.345	12.475	BV	252577	2749724	77.20%	4.622%
13	12.722	12.685	12.759	BV	239989	2710340	76.09%	4.556%
14	14.587	14.540	14.607	BV	219557	2602354	73.06%	4.374%
15	14.629	14.607	14.687	VB	236463	2749486	77.19%	4.621%
16	16.129	16.055	16.144	BV	210581	2699147	75.78%	4.537%
17	16.161	16.144	16.210	VB	223785	2685481	75.40%	4.514%
18	16.503	16.449	16.559	BB	220395	2591720	72.76%	4.356%
19	17.859	17.817	17.879	BV	179732	2382051	66.88%	4.004%
20	17.902	17.879	18.009	VB	187474	2565165	72.02%	4.312%
21	18.111	18.032	18.202	BB	192629	2502548	70.26%	4.206%
Sum of corrected areas:						59494363		

Aromatic EPH 071923.M Thu Jul 20 03:18:56 2023

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD071923AR\
 Data File : FD046135.D
 Signal(s) : FID2B.ch
 Acq On : 19 Jul 2023 20:00
 Operator : YP/AJ
 Sample : 10 PPM AROMATIC HC STD4
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 10 PPM AROMATIC HC STD4

Integration File: autoint1.e
 Quant Time: Jul 20 03:05:31 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 071923.M
 Quant Title : GC Extractables
 QLast Update : Thu Jul 20 02:58:14 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...	7.505	1619738	10.913 ug/ml
Spiked Amount 50.000		Recovery =	21.83%
6) S 2-Fluorobiphenyl (SURR)	8.359	1009350	10.791 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	21.58%
11) S ortho-Terphenyl (SURR)	11.397	1910331	11.105 ug/ml
Spiked Amount 50.000		Recovery =	22.21%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.319	1996639	11.120 ug/ml
2) T Naphthalene (C11.7)	5.846	1965780	11.000 ug/ml
3) T 2-Methylnaphthalene (...)	6.894	1912299	10.947 ug/ml
5) T Acenaphthylene (C15.06)	8.163	1658257	10.945 ug/ml
7) T Acenaphthene (C15.5)	8.458	1769443	10.938 ug/ml
8) T Fluorene (C16.55)	9.236	1647905	10.855 ug/ml
9) T Phenanthrene (C19.36)	10.625	1572340	11.001 ug/ml
10) T Anthracene (C19.43)	10.698	1433660	11.034 ug/ml
12) T Fluoranthene (C21.85)	12.427	1543249	11.198 ug/ml
13) T Pyrene (C20.8)	12.721	1540647	11.310 ug/ml
14) T Benzo[a]anthracene (C...	14.584	1454965	11.146 ug/ml
15) T Chrysene (C27.41)	14.626	1583312	11.490 ug/ml
16) T benzo[b]fluoranthene ...	16.126	1506870	11.067 ug/ml
17) T Bnezo[k]fluoranthene ...	16.157	1512380	11.204 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.500	1419897	10.915 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.856	1266289	10.503 ug/ml
20) T Dibenz[a,h]anthracene...	17.898	1383976	11.026 ug/ml
21) T Benzo[g,h,i]perylene ...	18.107	1366594	10.830 ug/ml

(f)=RT Delta > 1/2 Window

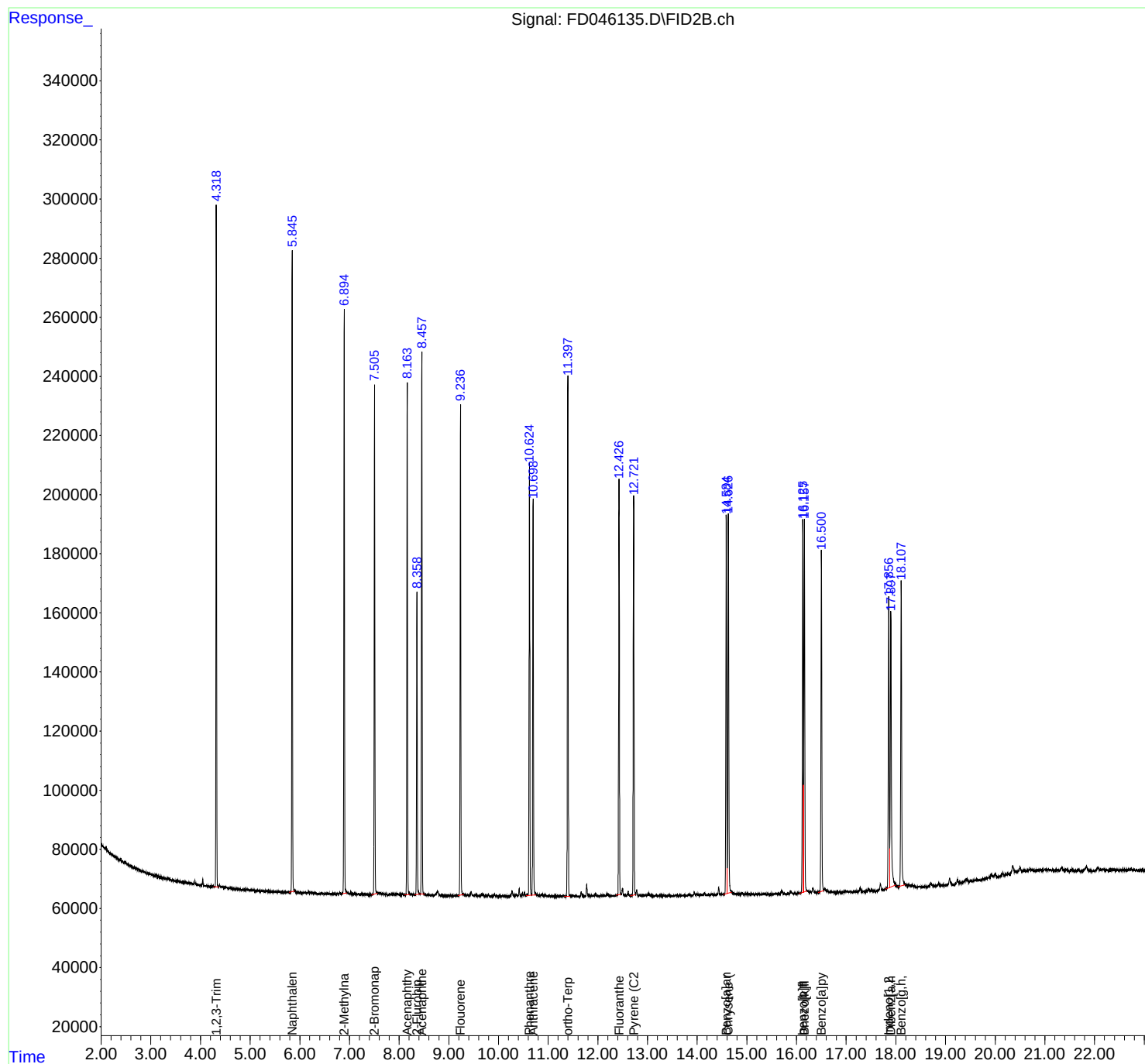
(m)=manual int.

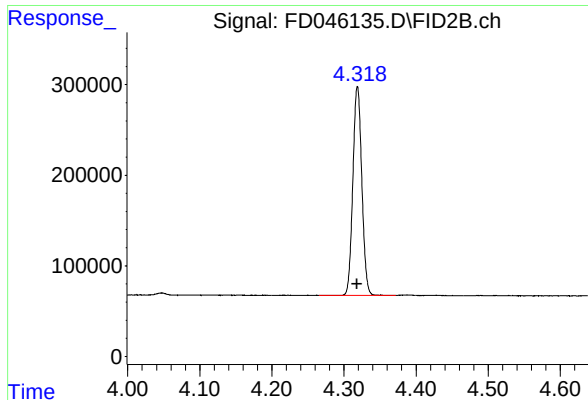
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD071923AR\
Data File : FD046135.D
Signal(s) : FID2B.ch
Acq On : 19 Jul 2023 20:00
Operator : YP/AJ
Sample : 10 PPM AROMATIC HC STD4
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4

Integration File: autoint1.e
Quant Time: Jul 20 03:05:31 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 071923.M
Quant Title : GC Extractables
QLast Update : Thu Jul 20 02:58:14 2023
Response via : Initial Calibration
Integrator: ChemStation

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

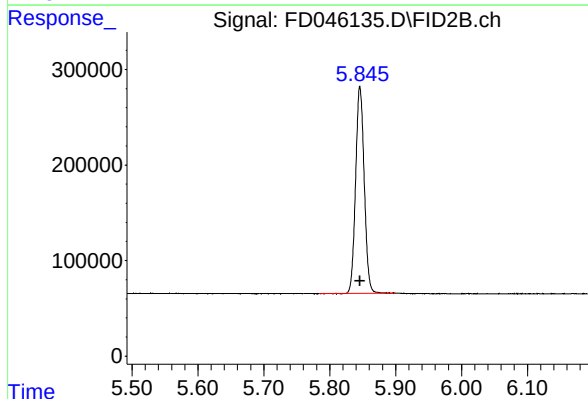




#1 1,2,3-Trimethylbenzene (C10.1)

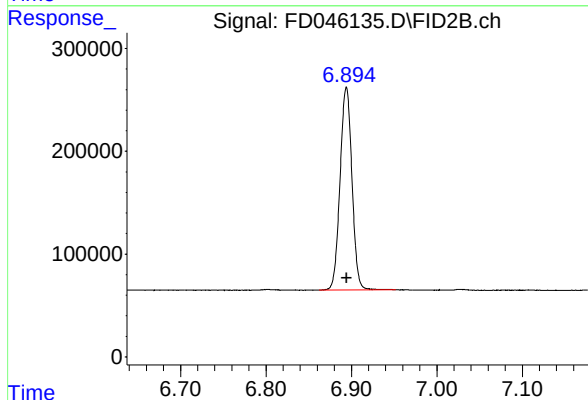
R.T.: 4.319 min
Delta R.T.: 0.000 min
Response: 1996639
Conc: 11.12 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4



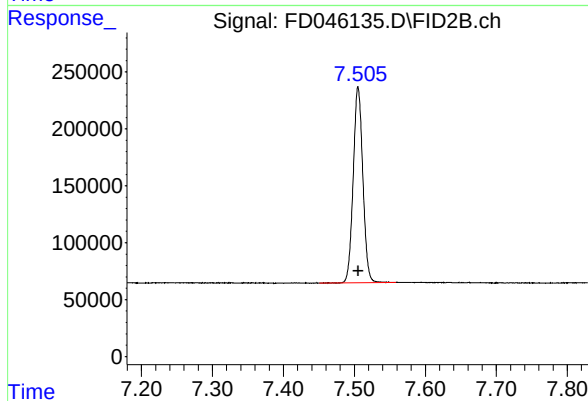
#2 Naphthalene (C11.7)

R.T.: 5.846 min
Delta R.T.: 0.000 min
Response: 1965780
Conc: 11.00 ug/ml



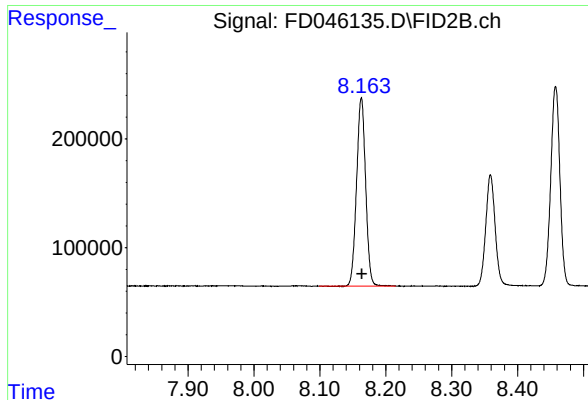
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.894 min
Delta R.T.: 0.000 min
Response: 1912299
Conc: 10.95 ug/ml



#4 2-Bromonaphthalene (SURR)

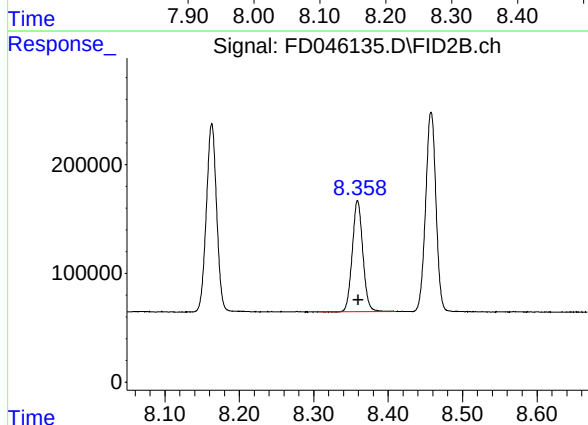
R.T.: 7.505 min
Delta R.T.: 0.000 min
Response: 1619738
Conc: 10.91 ug/ml



#5 Acenaphthylene (C15.06)

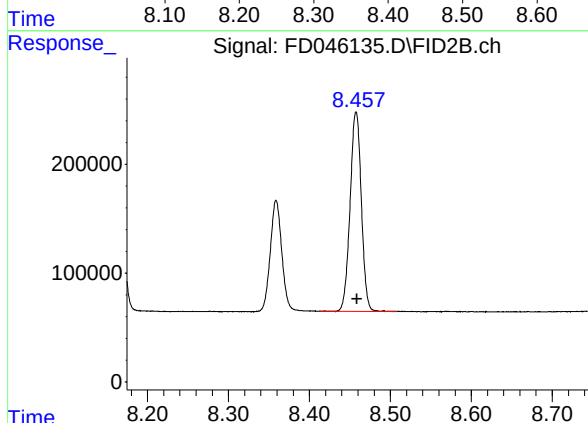
R.T.: 8.163 min
Delta R.T.: 0.000 min
Response: 1658257
Conc: 10.95 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4



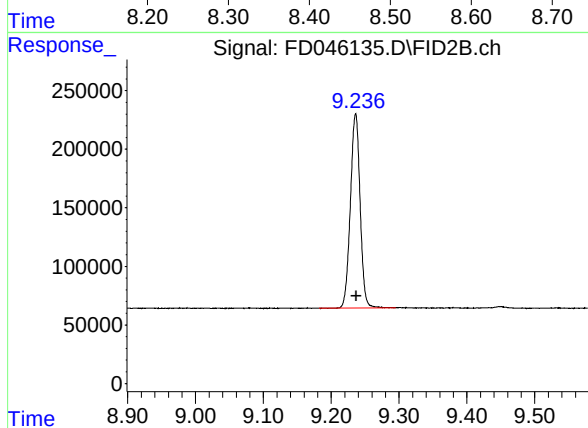
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.359 min
Delta R.T.: -0.001 min
Response: 1009350
Conc: 10.79 ug/ml



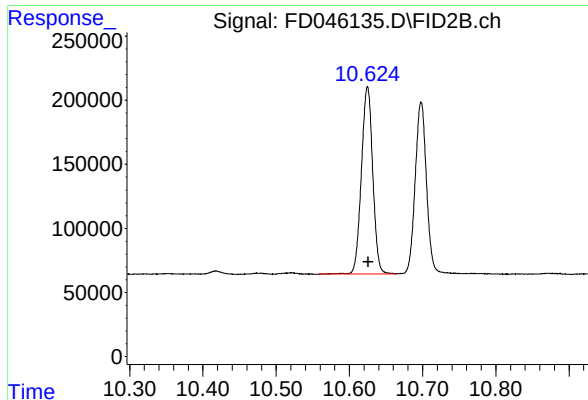
#7 Acenaphthene (C15.5)

R.T.: 8.458 min
Delta R.T.: 0.000 min
Response: 1769443
Conc: 10.94 ug/ml



#8 Flouorene (C16.55)

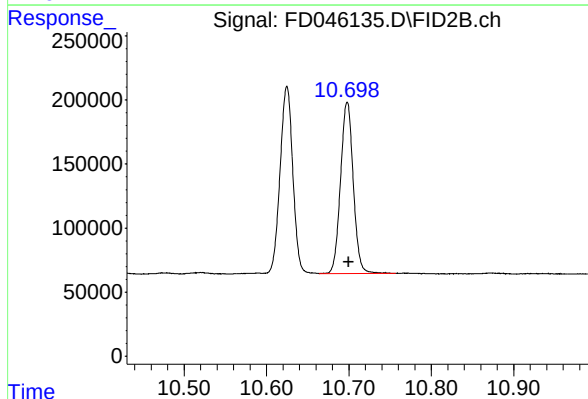
R.T.: 9.236 min
Delta R.T.: -0.001 min
Response: 1647905
Conc: 10.86 ug/ml



#9 Phenanthrene (C19.36)

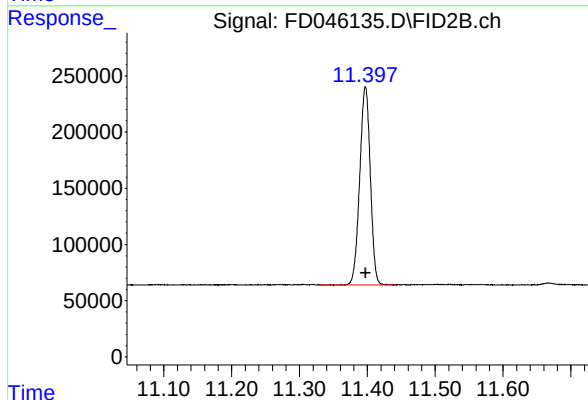
R.T.: 10.625 min
Delta R.T.: -0.001 min
Response: 1572340
Conc: 11.00 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4



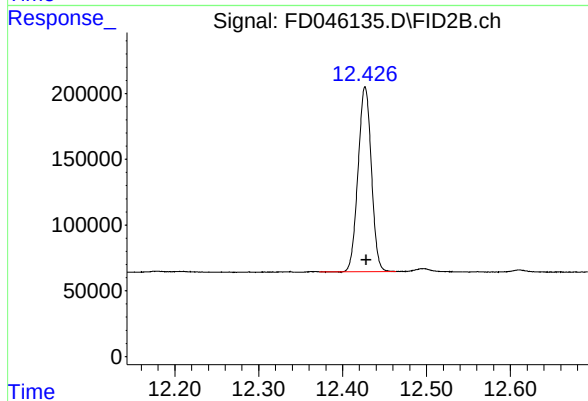
#10 Anthracene (C19.43)

R.T.: 10.698 min
Delta R.T.: -0.002 min
Response: 1433660
Conc: 11.03 ug/ml



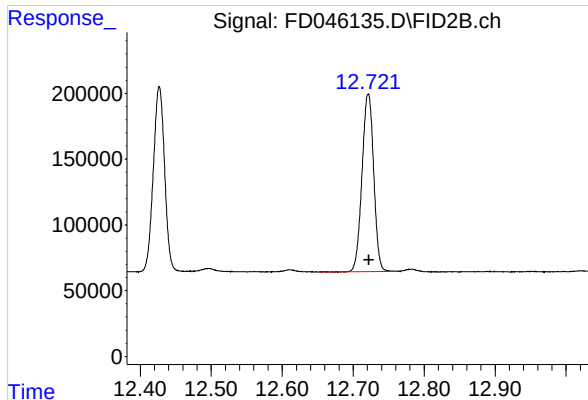
#11 ortho-Terphenyl (SURR)

R.T.: 11.397 min
Delta R.T.: 0.000 min
Response: 1910331
Conc: 11.11 ug/ml



#12 Fluoranthene (C21.85)

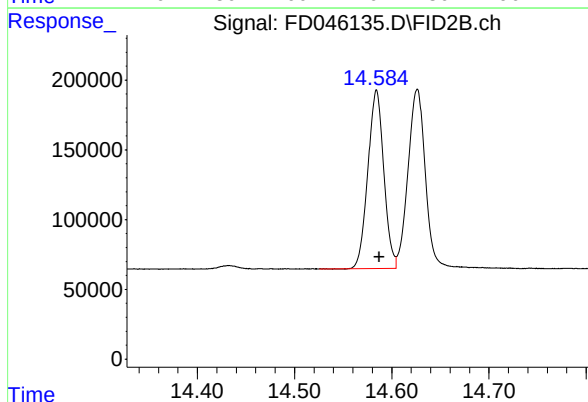
R.T.: 12.427 min
Delta R.T.: -0.002 min
Response: 1543249
Conc: 11.20 ug/ml



#13 Pyrene (C20.8)

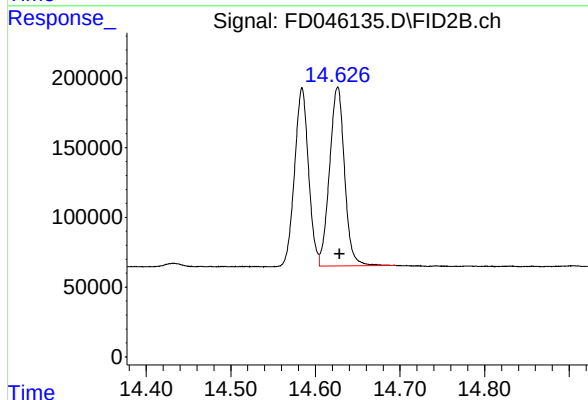
R.T.: 12.721 min
Delta R.T.: -0.001 min
Response: 1540647
Conc: 11.31 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4



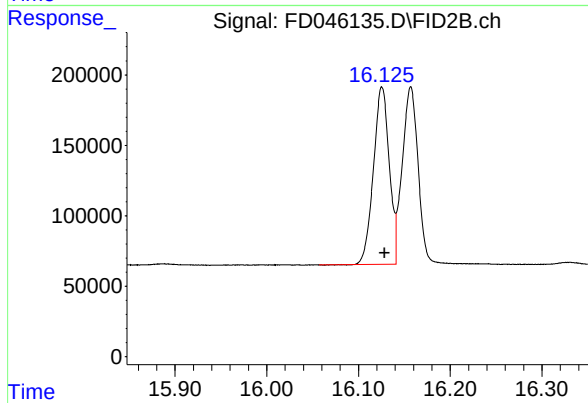
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.584 min
Delta R.T.: -0.003 min
Response: 1454965
Conc: 11.15 ug/ml



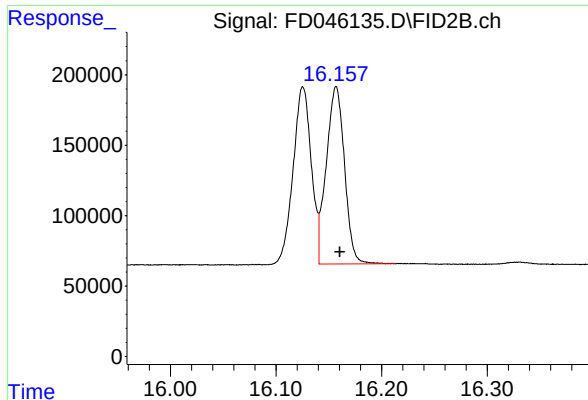
#15 Chrysene (C27.41)

R.T.: 14.626 min
Delta R.T.: -0.002 min
Response: 1583312
Conc: 11.49 ug/ml



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

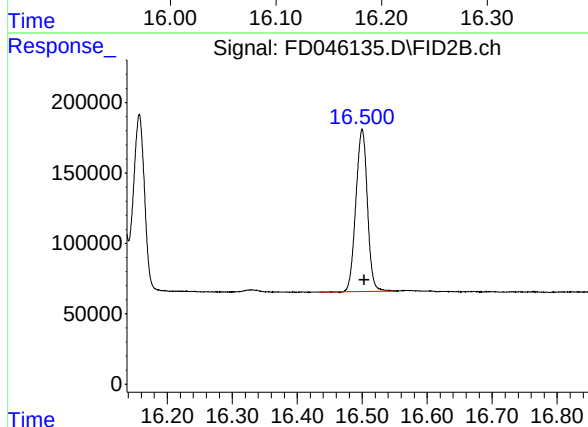
R.T.: 16.126 min
Delta R.T.: -0.003 min
Response: 1506870
Conc: 11.07 ug/ml



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

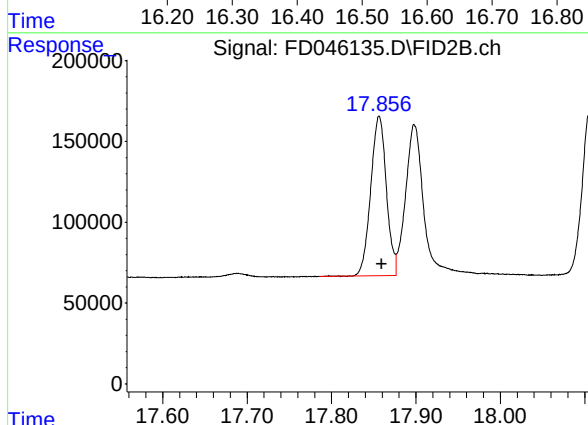
R.T.: 16.157 min
Delta R.T.: -0.004 min
Response: 1512380
Conc: 11.20 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4



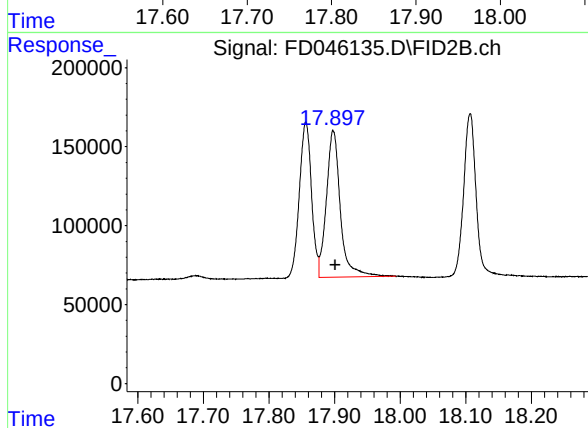
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.500 min
Delta R.T.: -0.003 min
Response: 1419897
Conc: 10.91 ug/ml



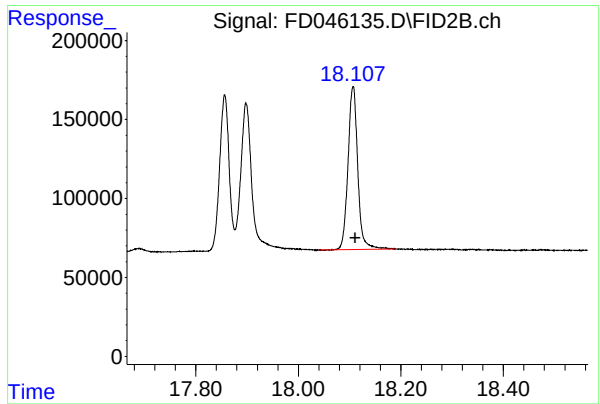
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.856 min
Delta R.T.: -0.003 min
Response: 1266289
Conc: 10.50 ug/ml



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

R.T.: 17.898 min
Delta R.T.: -0.003 min
Response: 1383976
Conc: 11.03 ug/ml



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

R.T.: 18.107 min
Delta R.T.: -0.005 min
Response: 1366594
Conc: 10.83 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD071923AR\
Data File : FD046135.D
Signal(s) : FID2B.ch
Acq On : 19 Jul 2023 20:00
Sample : 10 PPM AROMATIC HC STD4
Misc :
ALS Vial : 28 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 071923.M
Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.319	4.265	4.372	BB	230809	1996639	100.00%	6.037%
2	5.846	5.784	5.900	BB	216659	1965780	98.45%	5.944%
3	6.894	6.862	6.952	BB	197277	1912299	95.78%	5.782%
4	7.505	7.450	7.559	BB	171813	1619738	81.12%	4.897%
5	8.163	8.099	8.215	BB	173740	1658257	83.05%	5.014%
6	8.359	8.307	8.410	BB	102237	1009350	50.55%	3.052%
7	8.458	8.412	8.507	BB	183612	1769443	88.62%	5.350%
8	9.236	9.182	9.295	BB	165450	1647905	82.53%	4.982%
9	10.625	10.559	10.664	BV	146763	1572340	78.75%	4.754%
10	10.698	10.664	10.757	VB	134267	1433660	71.80%	4.335%
11	11.397	11.329	11.442	BB	176476	1910331	95.68%	5.776%
12	12.427	12.372	12.464	BV	140582	1543249	77.29%	4.666%
13	12.721	12.652	12.760	BV	135664	1540647	77.16%	4.658%
14	14.584	14.525	14.604	BV	127998	1454965	72.87%	4.399%
15	14.626	14.604	14.695	VB	129054	1583312	79.30%	4.787%
16	16.126	16.057	16.141	BV	126148	1506870	75.47%	4.556%
17	16.157	16.141	16.214	VB	126160	1512380	75.75%	4.573%
18	16.500	16.434	16.552	BB	115563	1419897	71.11%	4.293%
19	17.856	17.785	17.876	BV	98702	1266289	63.42%	3.829%
20	17.898	17.876	17.994	VB	92543	1383976	69.32%	4.184%
21	18.107	18.040	18.190	BB	103417	1366594	68.44%	4.132%
Sum of corrected areas:						33073919		

Aromatic EPH 071923.M Thu Jul 20 03:19:09 2023

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD071923AR\
 Data File : FD046136.D
 Signal(s) : FID2B.ch
 Acq On : 19 Jul 2023 20:45
 Operator : YP/AJ
 Sample : 5 PPM AROMATIC HC STD5
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 5 PPM AROMATIC HC STD5

Integration File: autoint1.e
 Quant Time: Jul 20 03:06:45 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 071923.M
 Quant Title : GC Extractables
 QLast Update : Thu Jul 20 02:58:14 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	768497	5.141 ug/ml
Spiked Amount 50.000		Recovery =	10.28%
6) S 2-Fluorobiphenyl (SURR)	8.360	469515	5.016 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	10.03%
11) S ortho-Terphenyl (SURR)	11.396	925597	5.300 ug/ml
Spiked Amount 50.000		Recovery =	10.60%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.318	963812	5.290 ug/ml
2) T Naphthalene (C11.7)	5.846	941146	5.211 ug/ml
3) T 2-Methylnaphthalene (...)	6.894	906295	5.149 ug/ml
5) T Acenaphthylene (C15.06)	8.163	784255	5.140 ug/ml
7) T Acenaphthene (C15.5)	8.457	841001	5.158 ug/ml
8) T Fluorene (C16.55)	9.235	767883	5.047 ug/ml
9) T Phenanthrene (C19.36)	10.624	741385	5.149 ug/ml
10) T Anthracene (C19.43)	10.698	673095	5.143 ug/ml
12) T Fluoranthene (C21.85)	12.426	737069	5.275 ug/ml
13) T Pyrene (C20.8)	12.720	740569	5.343 ug/ml
14) T Benzo[a]anthracene (C...	14.584	670827	5.111 ug/ml
15) T Chrysene (C27.41)	14.625	769163	5.455 ug/ml
16) T benzo[b]fluoranthene ...	16.124	695981	5.089 ug/ml
17) T Bnezo[k]fluoranthene ...	16.154	727044	5.304 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.499	652971	5.016 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.854	595475	4.951 ug/ml
20) T Dibenz[a,h]anthracene...	17.898	686939	5.371 ug/ml
21) T Benzo[g,h,i]perylene ...	18.104	647970	5.107 ug/ml

(f)=RT Delta > 1/2 Window

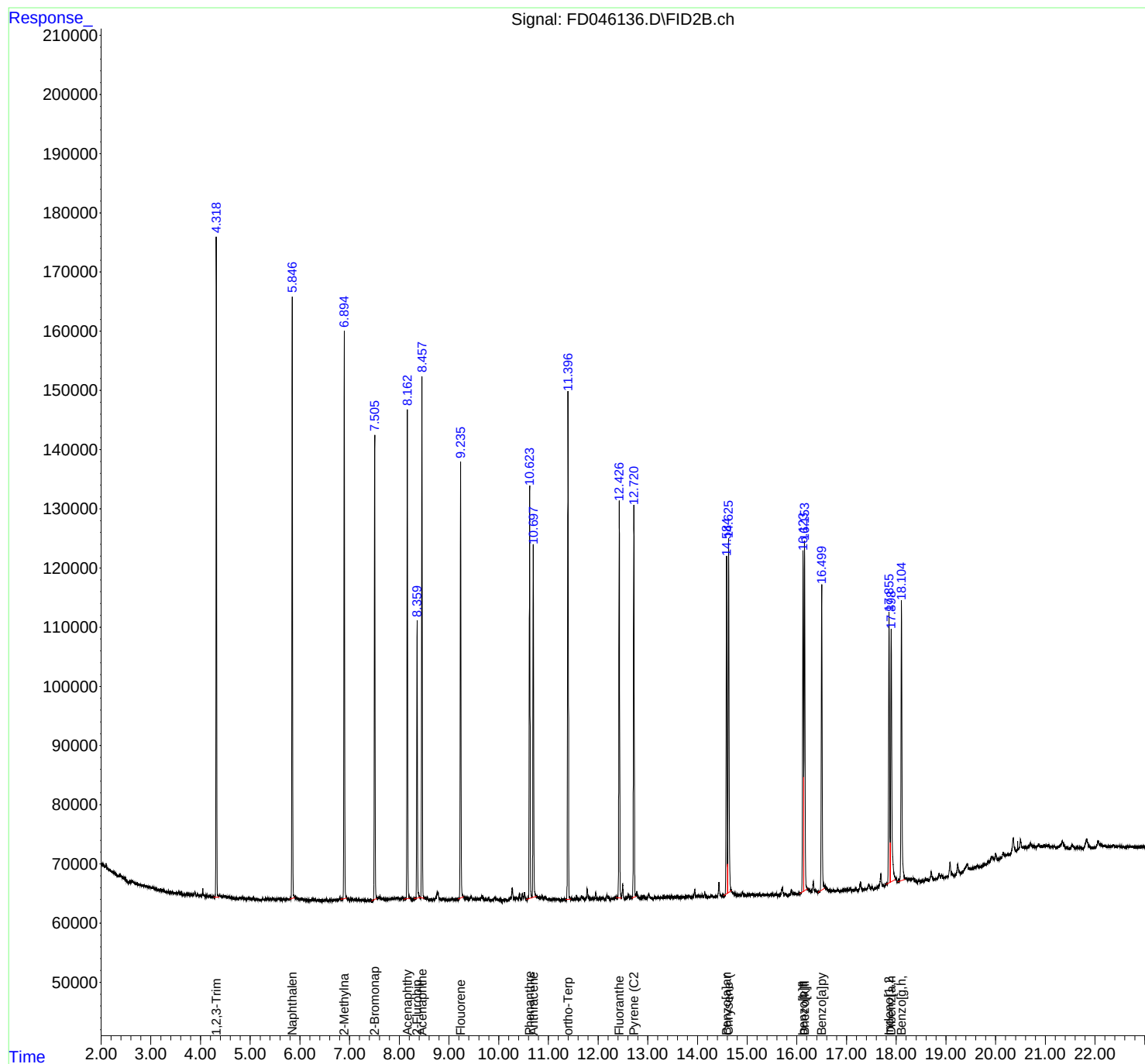
(m)=manual int.

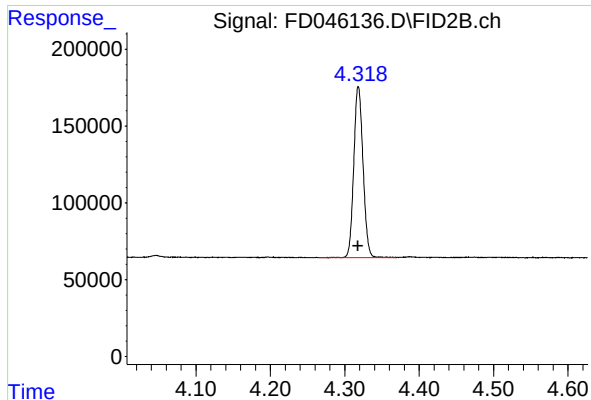
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD071923AR\
Data File : FD046136.D
Signal(s) : FID2B.ch
Acq On : 19 Jul 2023 20:45
Operator : YP/AJ
Sample : 5 PPM AROMATIC HC STD5
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5

Integration File: autoint1.e
Quant Time: Jul 20 03:06:45 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 071923.M
Quant Title : GC Extractables
QLast Update : Thu Jul 20 02:58:14 2023
Response via : Initial Calibration
Integrator: ChemStation

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

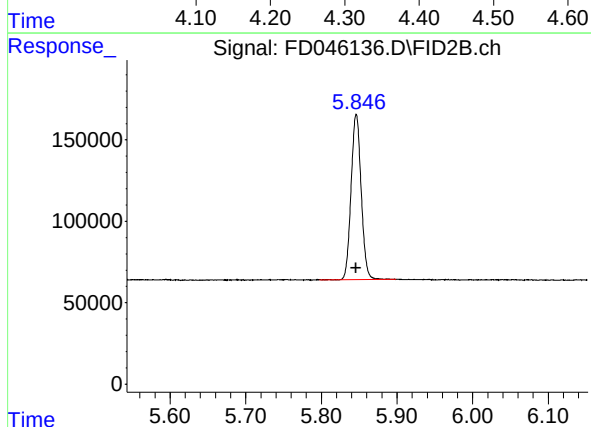




#1 1,2,3-Trimethylbenzene (C10.1)

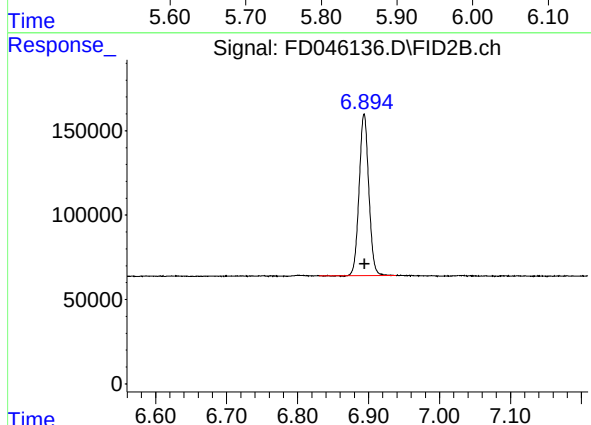
R.T.: 4.318 min
Delta R.T.: 0.000 min
Response: 963812
Conc: 5.29 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5



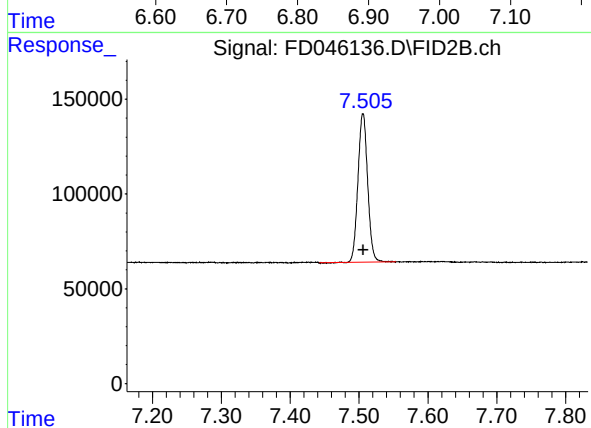
#2 Naphthalene (C11.7)

R.T.: 5.846 min
Delta R.T.: 0.000 min
Response: 941146
Conc: 5.21 ug/ml



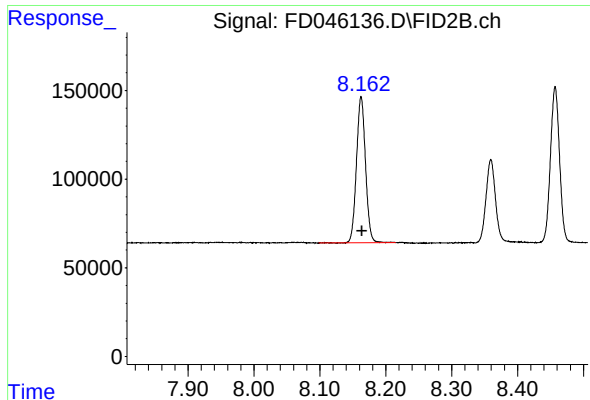
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.894 min
Delta R.T.: 0.000 min
Response: 906295
Conc: 5.15 ug/ml



#4 2-Bromonaphthalene (SURR)

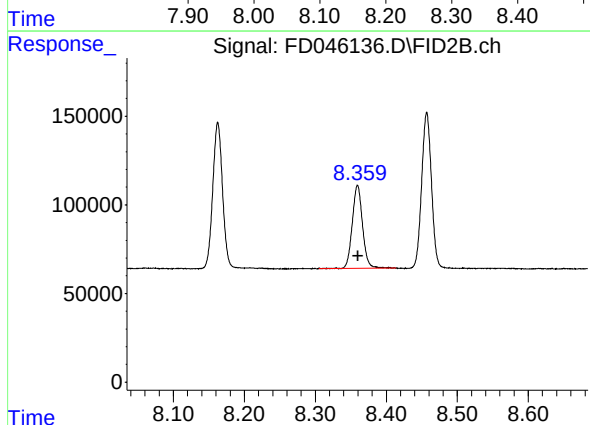
R.T.: 7.506 min
Delta R.T.: 0.000 min
Response: 768497
Conc: 5.14 ug/ml



#5 Acenaphthylene (C15.06)

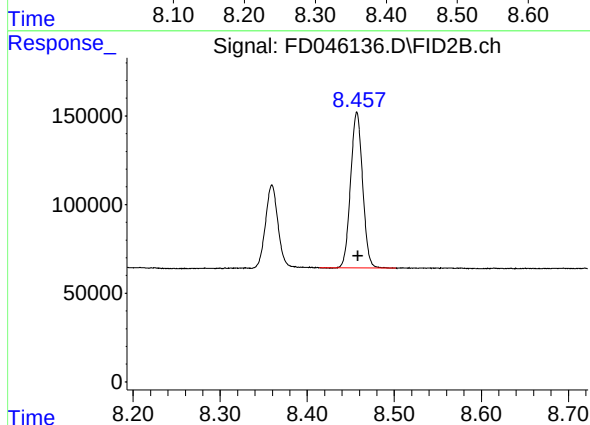
R.T.: 8.163 min
Delta R.T.: -0.001 min
Response: 784255
Conc: 5.14 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5



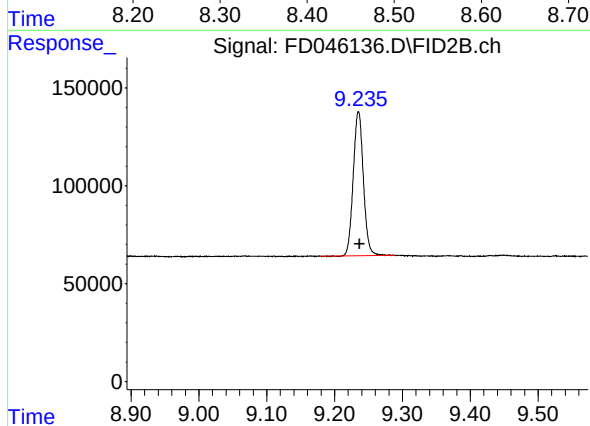
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.360 min
Delta R.T.: 0.000 min
Response: 469515
Conc: 5.02 ug/ml



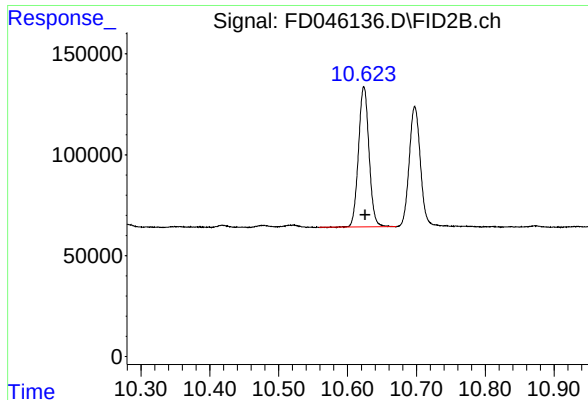
#7 Acenaphthene (C15.5)

R.T.: 8.457 min
Delta R.T.: -0.002 min
Response: 841001
Conc: 5.16 ug/ml



#8 Flouorene (C16.55)

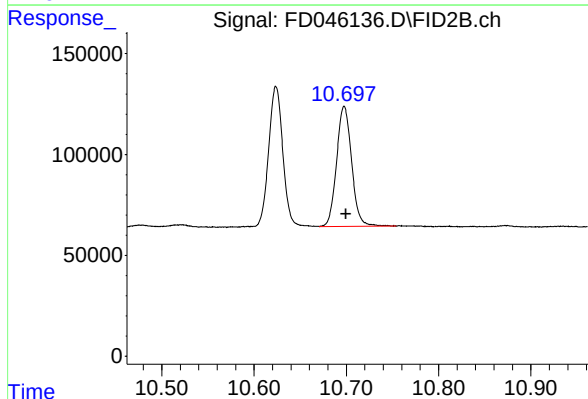
R.T.: 9.235 min
Delta R.T.: -0.002 min
Response: 767883
Conc: 5.05 ug/ml



#9 Phenanthrene (C19.36)

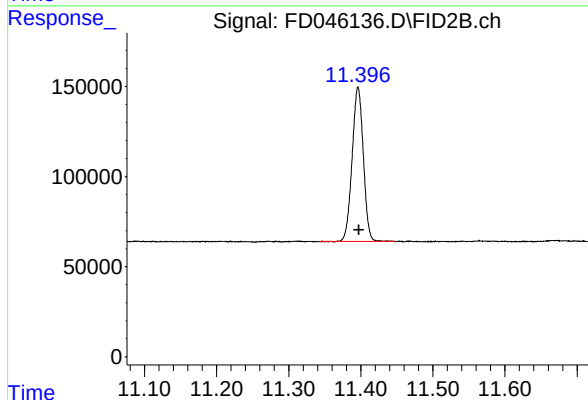
R.T.: 10.624 min
Delta R.T.: -0.002 min
Response: 741385
Conc: 5.15 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5



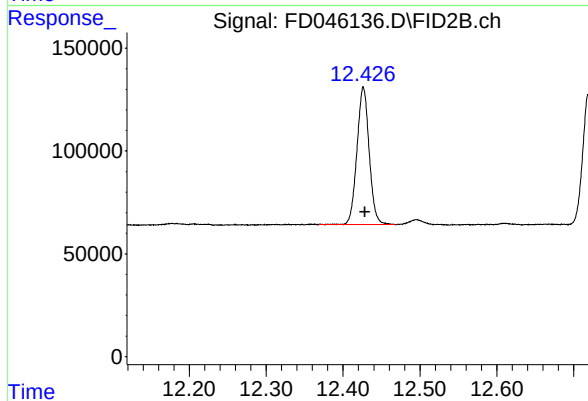
#10 Anthracene (C19.43)

R.T.: 10.698 min
Delta R.T.: -0.002 min
Response: 673095
Conc: 5.14 ug/ml



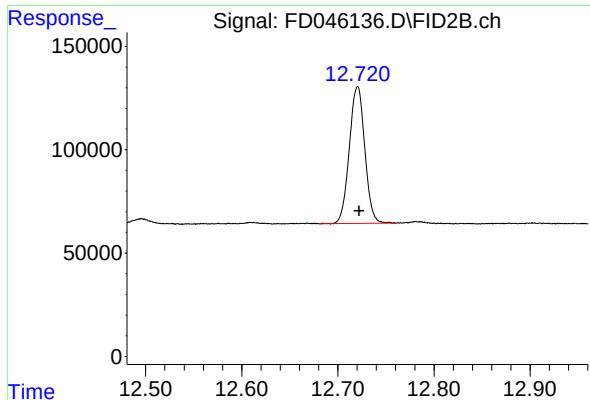
#11 ortho-Terphenyl (SURRE)

R.T.: 11.396 min
Delta R.T.: -0.001 min
Response: 925597
Conc: 5.30 ug/ml



#12 Fluoranthene (C21.85)

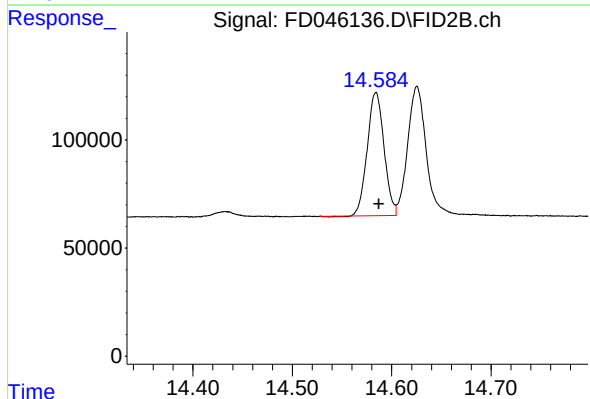
R.T.: 12.426 min
Delta R.T.: -0.002 min
Response: 737069
Conc: 5.27 ug/ml



#13 Pyrene (C20.8)

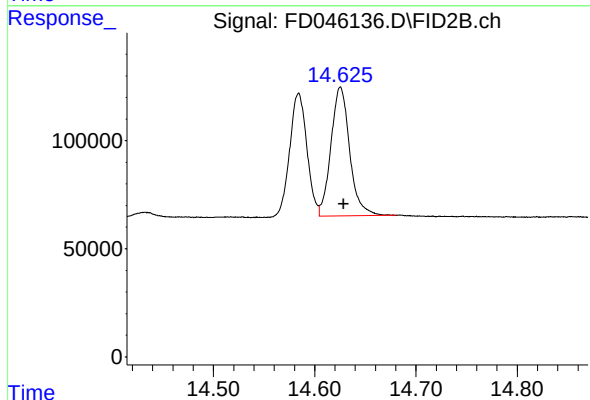
R.T.: 12.720 min
Delta R.T.: -0.002 min
Response: 740569
Conc: 5.34 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5



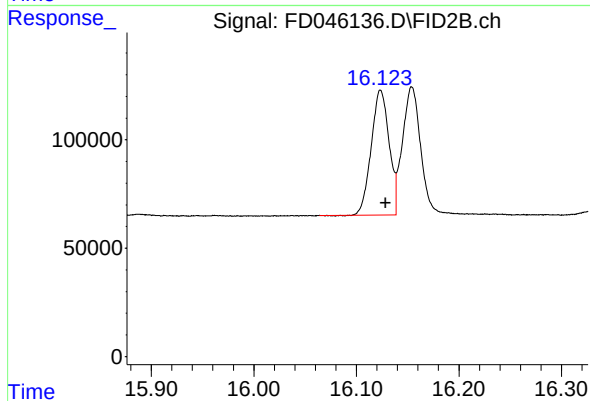
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.584 min
Delta R.T.: -0.003 min
Response: 670827
Conc: 5.11 ug/ml



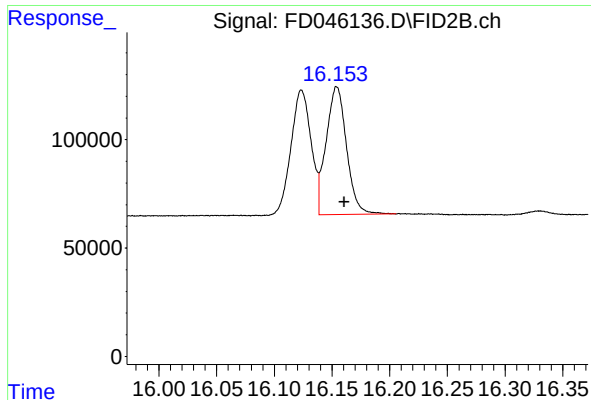
#15 Chrysene (C27.41)

R.T.: 14.625 min
Delta R.T.: -0.003 min
Response: 769163
Conc: 5.45 ug/ml



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

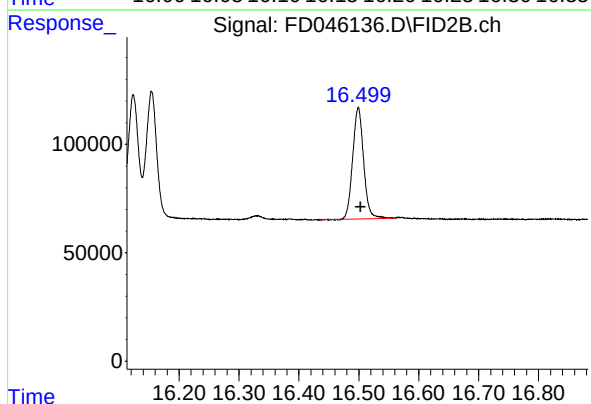
R.T.: 16.124 min
Delta R.T.: -0.005 min
Response: 695981
Conc: 5.09 ug/ml



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

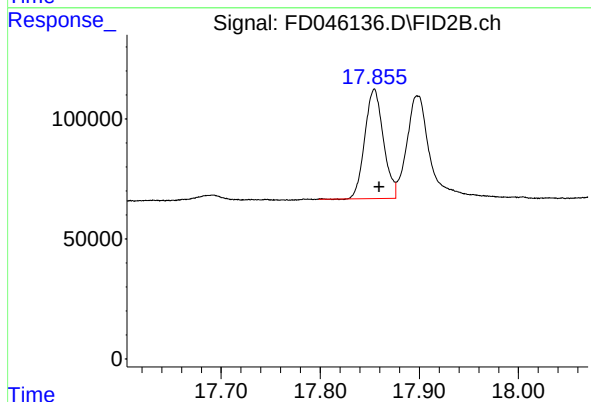
R.T.: 16.154 min
Delta R.T.: -0.007 min
Response: 727044
Conc: 5.30 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5



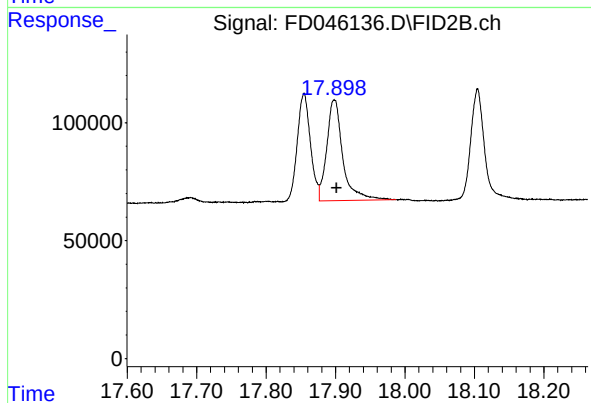
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.499 min
Delta R.T.: -0.004 min
Response: 652971
Conc: 5.02 ug/ml



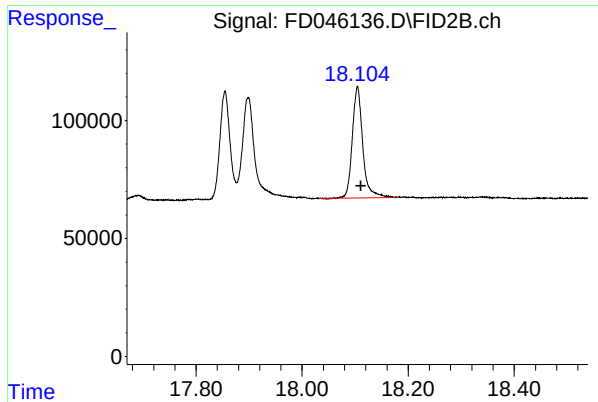
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.854 min
Delta R.T.: -0.005 min
Response: 595475
Conc: 4.95 ug/ml



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

R.T.: 17.898 min
Delta R.T.: -0.003 min
Response: 686939
Conc: 5.37 ug/ml



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

R.T.: 18.104 min
Delta R.T.: -0.007 min
Response: 647970
Conc: 5.11 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD071923AR\
 Data File : FD046136.D
 Signal(s) : FID2B.ch
 Acq On : 19 Jul 2023 20:45
 Sample : 5 PPM AROMATIC HC STD5
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 071923.M
 Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.318	4.265	4.369	BB	111205	963812	100.00%	6.136%
2	5.846	5.797	5.899	BB	101679	941146	97.65%	5.992%
3	6.894	6.830	6.939	BB	95958	906295	94.03%	5.770%
4	7.506	7.442	7.554	BB	78632	768497	79.74%	4.893%
5	8.163	8.099	8.215	BB	82373	784255	81.37%	4.993%
6	8.360	8.305	8.414	BB	46950	469515	48.71%	2.989%
7	8.457	8.414	8.502	BB	87986	841001	87.26%	5.354%
8	9.235	9.177	9.290	BB	73785	767883	79.67%	4.889%
9	10.624	10.559	10.670	BV	69678	741385	76.92%	4.720%
10	10.698	10.670	10.754	VB	59523	673095	69.84%	4.285%
11	11.396	11.342	11.449	BB	85663	925597	96.04%	5.893%
12	12.426	12.369	12.469	BV	66698	737069	76.47%	4.693%
13	12.720	12.680	12.760	BB	66293	740569	76.84%	4.715%
14	14.584	14.527	14.604	BV	56927	670827	69.60%	4.271%
15	14.625	14.604	14.680	VB	59721	769163	79.80%	4.897%
16	16.124	16.064	16.139	BV	57541	695981	72.21%	4.431%
17	16.154	16.139	16.205	VB	59130	727044	75.43%	4.629%
18	16.499	16.434	16.562	BB	51410	652971	67.75%	4.157%
19	17.854	17.799	17.876	BV	45541	595475	61.78%	3.791%
20	17.898	17.876	17.987	VB	42582	686939	71.27%	4.374%
21	18.104	18.032	18.177	BB	47294	647970	67.23%	4.125%
Sum of corrected areas:						15706488		

Aromatic EPH 071923.M Thu Jul 20 03:19:21 2023

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD071923AR\
 Data File : FD046137.D
 Signal(s) : FID2B.ch
 Acq On : 19 Jul 2023 21:30
 Operator : YP/AJ
 Sample : 20 PPM AROMATIC HC STD ICV
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 20 PPM AROMATIC HC STD ICV

Integration File: autoint1.e
 Quant Time: Jul 20 03:10:03 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 071923.M
 Quant Title : GC Extractables
 QLast Update : Thu Jul 20 03:07:14 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	2947204	19.716 ug/ml
Spiked Amount 50.000		Recovery =	39.43%
6) S 2-Fluorobiphenyl (SURR)	8.360	1823522	19.479 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	38.96%
11) S ortho-Terphenyl (SURR)	11.397	3373322	19.316 ug/ml
Spiked Amount 50.000		Recovery =	38.63%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.319	3619686	19.867 ug/ml
2) T Naphthalene (C11.7)	5.846	3589933	19.876 ug/ml
3) T 2-Methylnaphthalene (...)	6.894	3472409	19.729 ug/ml
5) T Acenaphthylene (C15.06)	8.164	2988375	19.586 ug/ml
7) T Acenaphthene (C15.5)	8.459	3193178	19.583 ug/ml
8) T Fluorene (C16.55)	9.237	2969534	19.516 ug/ml
9) T Phenanthrene (C19.36)	10.626	2767141	19.217 ug/ml
10) T Anthracene (C19.43)	10.699	2505619	19.146 ug/ml
12) T Fluoranthene (C21.85)	12.429	2697550	19.305 ug/ml
13) T Pyrene (C20.8)	12.722	2667772	19.249 ug/ml
14) T Benzo[a]anthracene (C...	14.587	2545450	19.392 ug/ml
15) T Chrysene (C27.41)	14.628	2713879	19.247 ug/ml
16) T benzo[b]fluoranthene ...	16.129	2672043	19.538 ug/ml
17) T Bnezo[k]fluoranthene ...	16.160	2628181	19.174 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.502	2532298	19.451 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.858	2198158	18.276 ug/ml
20) T Dibenz[a,h]anthracene...	17.900	2281673	17.840 ug/ml
21) T Benzo[g,h,i]perylene ...	18.110	2367148	18.658 ug/ml

(f)=RT Delta > 1/2 Window

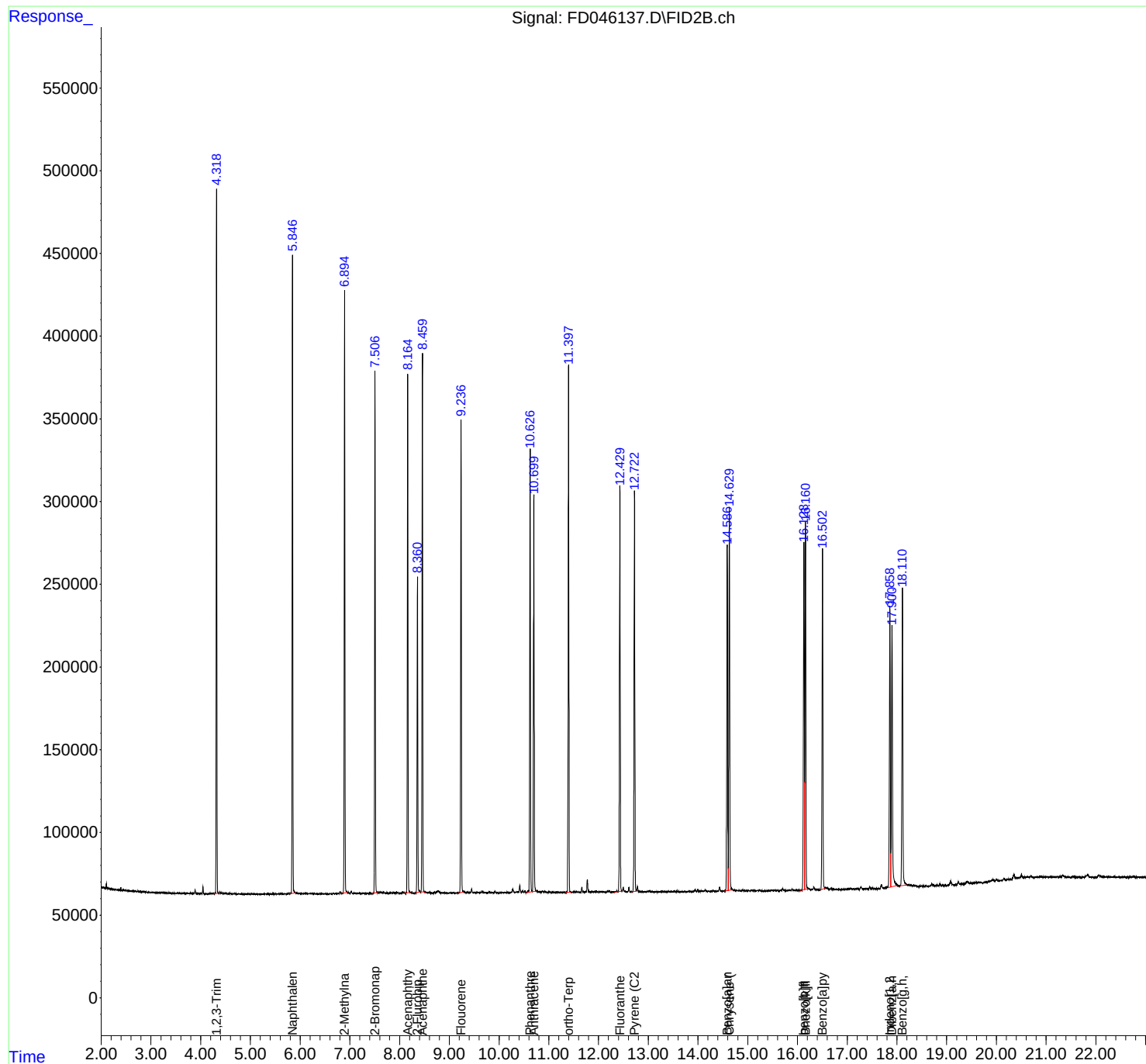
(m)=manual int.

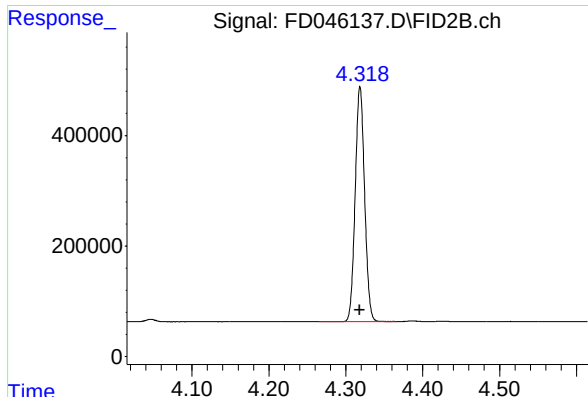
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD071923AR\
Data File : FD046137.D
Signal(s) : FID2B.ch
Acq On : 19 Jul 2023 21:30
Operator : YP/AJ
Sample : 20 PPM AROMATIC HC STD ICV
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD ICV

Integration File: autoint1.e
Quant Time: Jul 20 03:10:03 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 071923.M
Quant Title : GC Extractables
QLast Update : Thu Jul 20 03:07:14 2023
Response via : Initial Calibration
Integrator: ChemStation

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

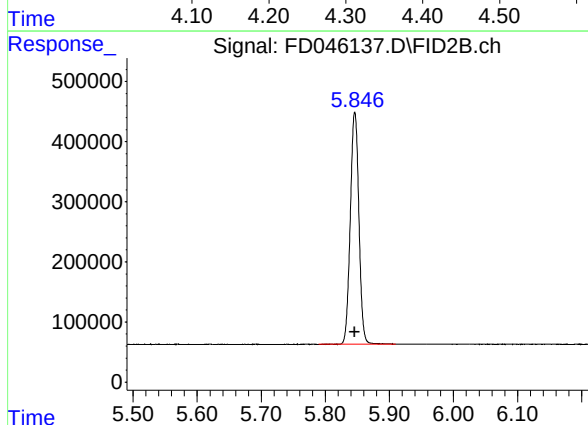




#1 1,2,3-Trimethylbenzene (C10.1)

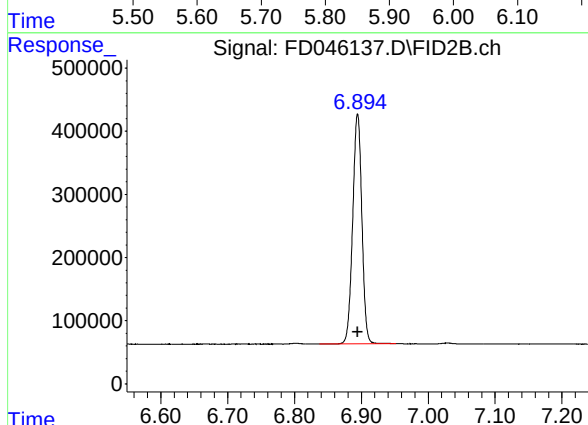
R.T.: 4.319 min
Delta R.T.: 0.000 min
Response: 3619686
Conc: 19.87 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD ICV



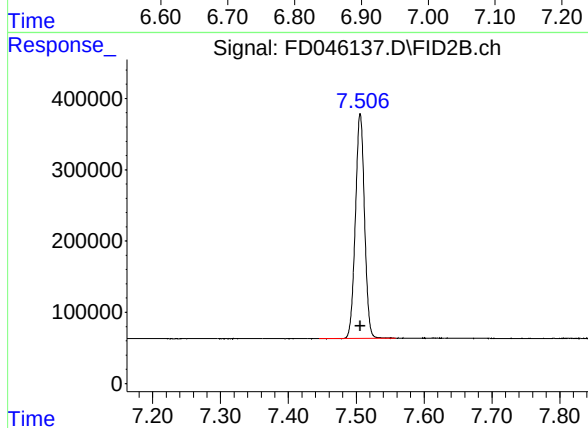
#2 Naphthalene (C11.7)

R.T.: 5.846 min
Delta R.T.: 0.000 min
Response: 3589933
Conc: 19.88 ug/ml



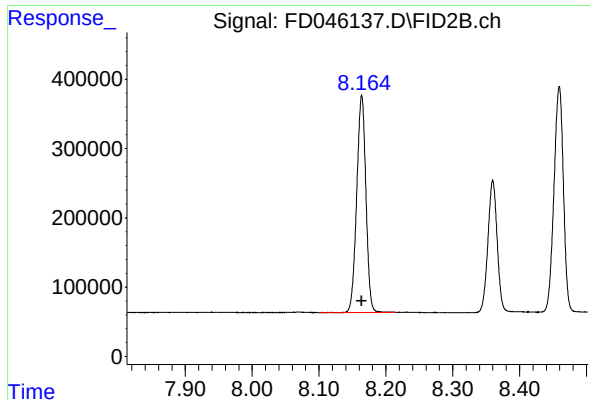
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.894 min
Delta R.T.: 0.000 min
Response: 3472409
Conc: 19.73 ug/ml



#4 2-Bromonaphthalene (SURR)

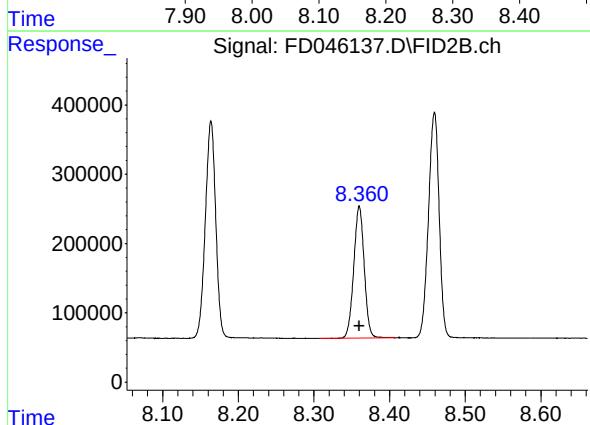
R.T.: 7.506 min
Delta R.T.: 0.000 min
Response: 2947204
Conc: 19.72 ug/ml



#5 Acenaphthylene (C15.06)

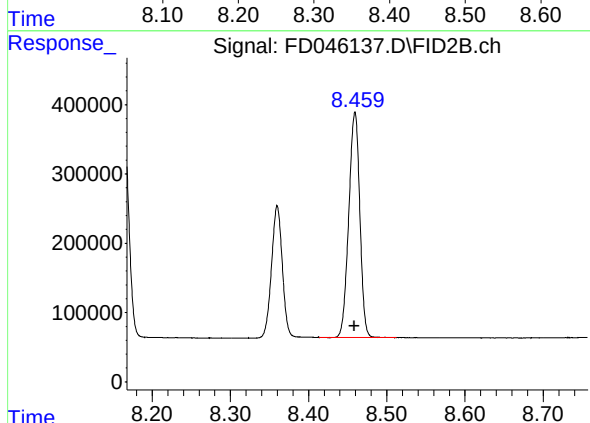
R.T.: 8.164 min
Delta R.T.: 0.000 min
Response: 2988375
Conc: 19.59 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD ICV



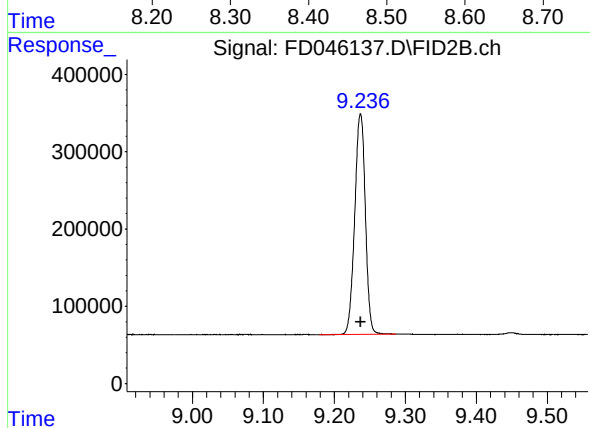
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.360 min
Delta R.T.: 0.000 min
Response: 1823522
Conc: 19.48 ug/ml



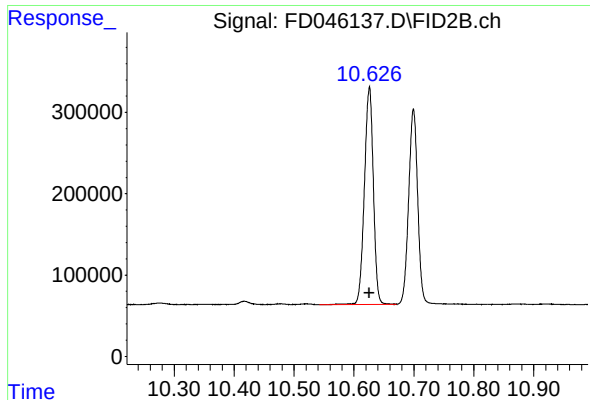
#7 Acenaphthene (C15.5)

R.T.: 8.459 min
Delta R.T.: 0.000 min
Response: 3193178
Conc: 19.58 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.237 min
Delta R.T.: 0.000 min
Response: 2969534
Conc: 19.52 ug/ml



#9 Phenanthrene (C19.36)

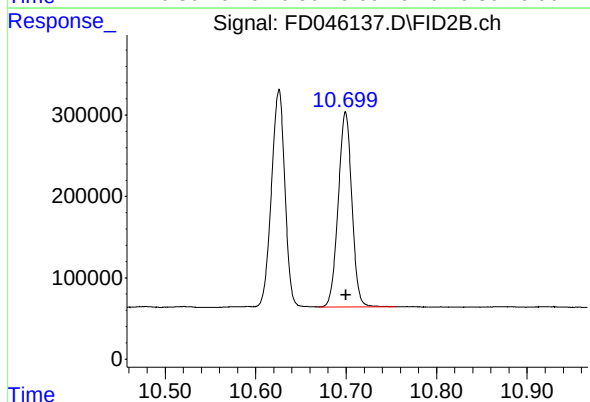
R.T.: 10.626 min
Delta R.T.: 0.000 min
Response: 2767141
Conc: 19.22 ug/ml

Instrument :

FID_D

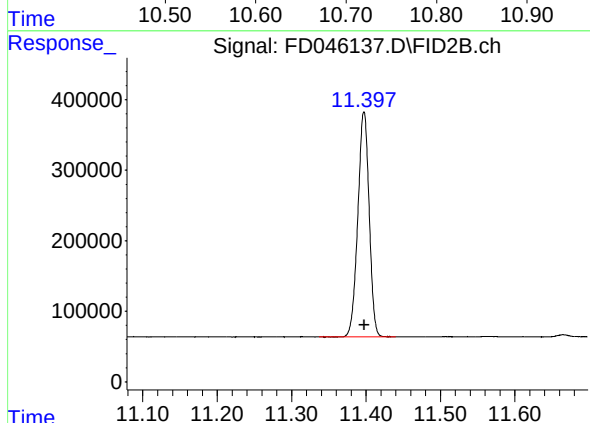
ClientSampleId :

20 PPM AROMATIC HC STD ICV



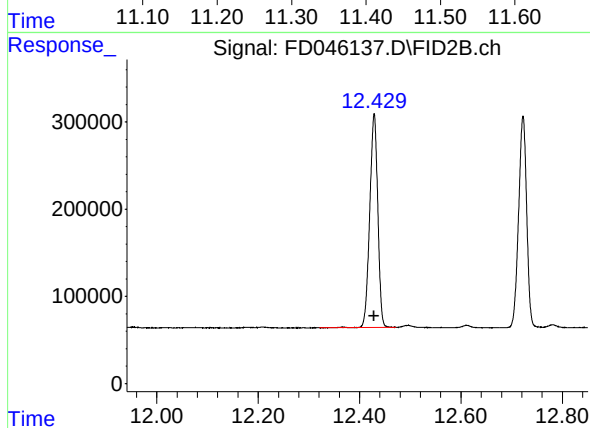
#10 Anthracene (C19.43)

R.T.: 10.699 min
Delta R.T.: 0.000 min
Response: 2505619
Conc: 19.15 ug/ml



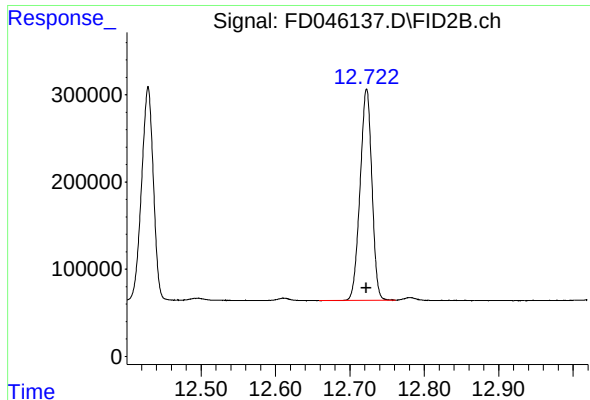
#11 ortho-Terphenyl (SURRE)

R.T.: 11.397 min
Delta R.T.: 0.000 min
Response: 3373322
Conc: 19.32 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.429 min
Delta R.T.: 0.000 min
Response: 2697550
Conc: 19.31 ug/ml



#13 Pyrene (C20.8)

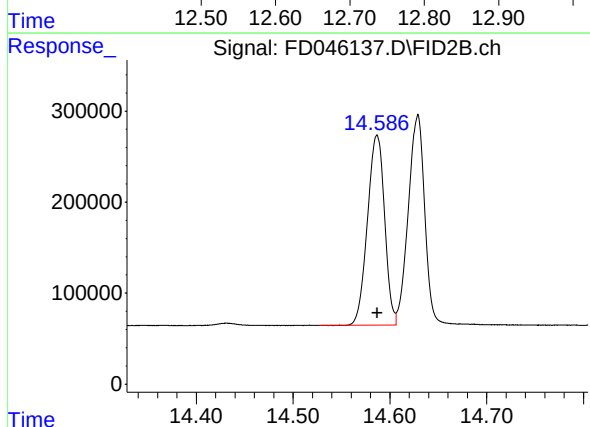
R.T.: 12.722 min
Delta R.T.: 0.000 min
Response: 2667772
Conc: 19.25 ug/ml

Instrument :

FID_D

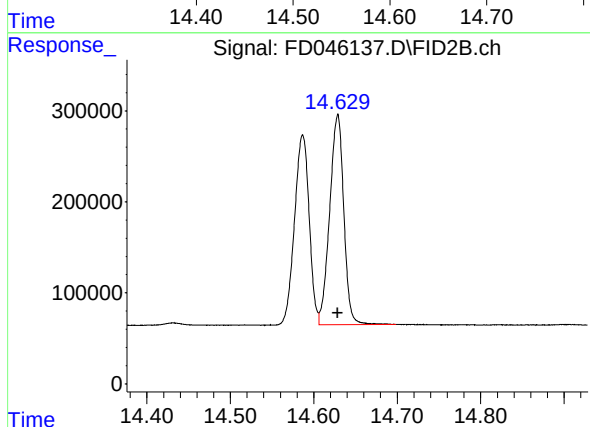
ClientSampleId :

20 PPM AROMATIC HC STD ICV



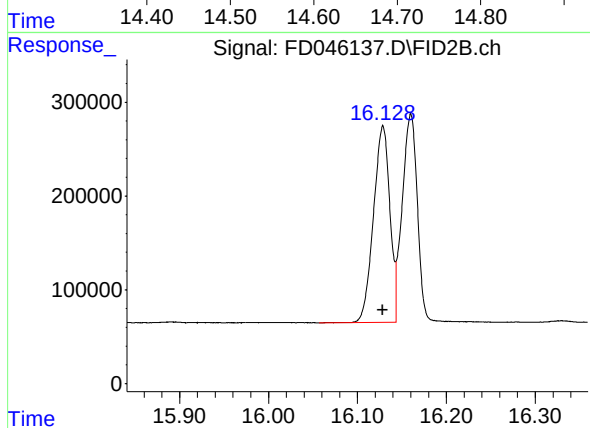
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.587 min
Delta R.T.: 0.000 min
Response: 2545450
Conc: 19.39 ug/ml



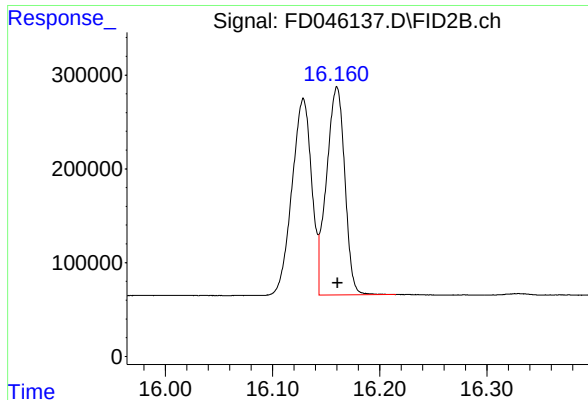
#15 Chrysene (C27.41)

R.T.: 14.628 min
Delta R.T.: 0.000 min
Response: 2713879
Conc: 19.25 ug/ml



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

R.T.: 16.129 min
Delta R.T.: 0.000 min
Response: 2672043
Conc: 19.54 ug/ml



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

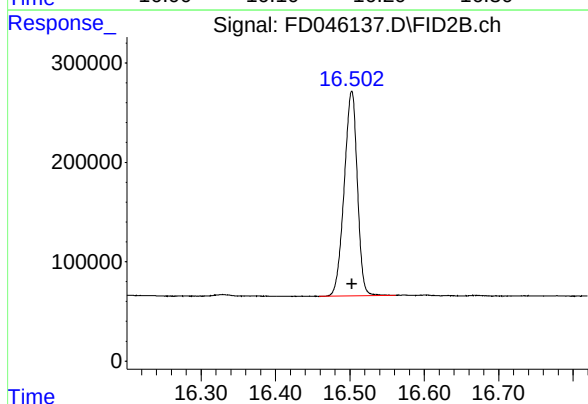
R.T.: 16.160 min
Delta R.T.: 0.000 min
Response: 2628181
Conc: 19.17 ug/ml

Instrument :

FID_D

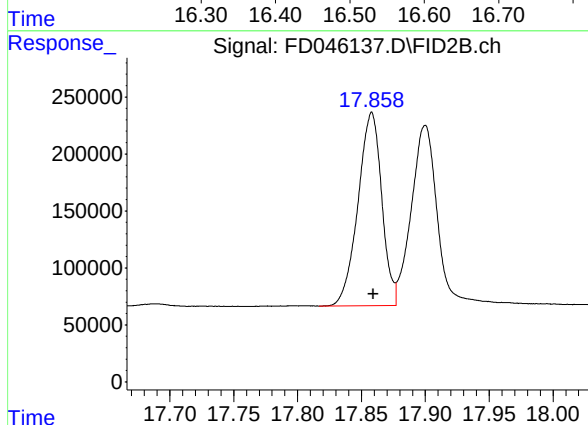
ClientSampleId :

20 PPM AROMATIC HC STD ICV



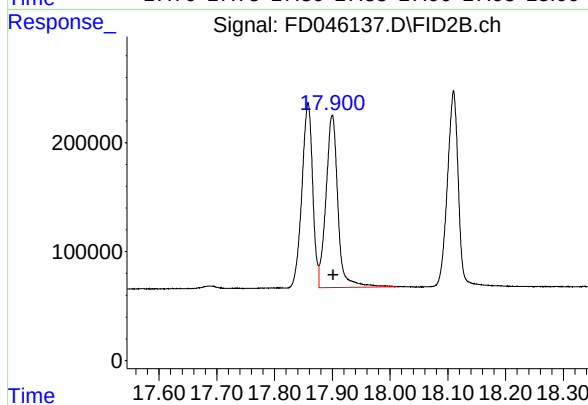
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.502 min
Delta R.T.: 0.000 min
Response: 2532298
Conc: 19.45 ug/ml



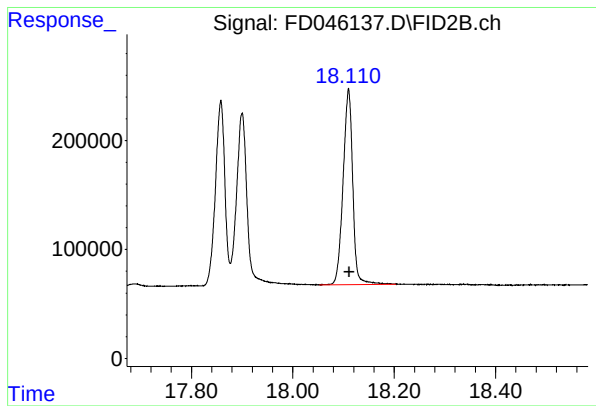
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.858 min
Delta R.T.: -0.002 min
Response: 2198158
Conc: 18.28 ug/ml



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

R.T.: 17.900 min
Delta R.T.: -0.002 min
Response: 2281673
Conc: 17.84 ug/ml



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

R.T.: 18.110 min
Delta R.T.: -0.001 min
Response: 2367148
Conc: 18.66 ug/ml

Instrument :

FID_D

ClientSampleId :

20 PPM AROMATIC HC STD ICV

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD071923AR\
Data File : FD046137.D
Signal(s) : FID2B.ch
Acq On : 19 Jul 2023 21:30
Sample : 20 PPM AROMATIC HC STD ICV
Misc :
ALS Vial : 30 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 071923.M
Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.319	4.265	4.365	BB	425723	3619686	100.00%	6.182%
2	5.846	5.790	5.910	BB	386432	3589933	99.18%	6.131%
3	6.894	6.837	6.952	BB	364799	3472409	95.93%	5.930%
4	7.506	7.445	7.558	BB	315373	2947204	81.42%	5.033%
5	8.164	8.100	8.215	BB	313422	2988375	82.56%	5.104%
6	8.360	8.307	8.408	BB	190544	1823522	50.38%	3.114%
7	8.459	8.413	8.512	BB	324413	3193178	88.22%	5.453%
8	9.237	9.178	9.287	BB	285642	2969534	82.04%	5.071%
9	10.626	10.542	10.670	BV	265717	2767141	76.45%	4.726%
10	10.699	10.670	10.755	VB	239679	2505619	69.22%	4.279%
11	11.397	11.337	11.440	BB	319206	3373322	93.19%	5.761%
12	12.429	12.320	12.472	BV	245238	2697550	74.52%	4.607%
13	12.722	12.658	12.762	BV	242522	2667772	73.70%	4.556%
14	14.587	14.527	14.606	BV	209014	2545450	70.32%	4.347%
15	14.628	14.606	14.698	VB	230412	2713879	74.98%	4.635%
16	16.129	16.057	16.143	BV	209583	2672043	73.82%	4.563%
17	16.160	16.143	16.215	VB	222592	2628181	72.61%	4.488%
18	16.502	16.458	16.562	BB	206005	2532298	69.96%	4.325%
19	17.858	17.817	17.877	BV	170562	2198158	60.73%	3.754%
20	17.900	17.877	18.010	VB	158251	2281673	63.04%	3.897%
21	18.110	18.052	18.203	BB	180452	2367148	65.40%	4.043%
Sum of corrected areas:						58554073		

Aromatic EPH 071923.M Thu Jul 20 03:19:36 2023