

Initial Calibration Report for SequenceID : FF110724AR

AreaCount

Parameter Range	FF014962.D	FF014963.D	FF014964.D	FF014965.D	FF014966.D	
Aromatic C10-C12	28868680.000	14964226.000	6421161.000	3185522.000	1590554.000	
Aromatic C12-C16	42990163.000	22411819.000	9573963.000	4746219.000	2359773.000	
Aromatic C16-C21	52959773.000	27582673.000	11784805.000	5857283.000	2928525.000	
Aromatic C21-C36	114141628.000	59439163.000	25697983.000	12790702.000	6588390.000	
Aromatic EPH	238960244.000	124397881.000	53477912.000	26579726.000	13467242.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aromatic C10-C12	154569.237	4.65				
Aromatic C12-C16	153560.8439998	4.538				
Aromatic C16-C21	142096.237	4.672				
Aromatic C21-C36	138041.0419996	5.954				
Aromatic EPH	143365.2962218	5.217				

Concentration

Parameter Range	FF014962.D	FF014963.D	FF014964.D	FF014965.D	FF014966.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	FF014962.D	FF014963.D	FF014964.D	FF014965.D	FF014966.D	
Aromatic C10-C12	144343.400000	149642.260000	160529.025000	159276.100000	159055.400000	
Aromatic C12-C16	143300.543333	149412.126666	159566.050000	158207.300000	157318.200000	
Aromatic C16-C21	132399.432500	137913.365000	147310.062500	146432.075000	146426.250000	
Aromatic C21-C36	126824.031111	132087.028888	142766.572222	142118.911111	146408.666666	
Aromatic EPH	132755.691111	138219.867777	148549.755555	147665.144444	149636.022222	

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF110724AR\
 Data File : FF014962.D
 Signal(s) : FID2B.ch
 Acq On : 07 Nov 2024 17:49
 Operator : YP\AJ
 Sample : 100 PPM AROMATIC HC STD1
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 FID_F
 ClientSampleId :
 100 PPM AROMATIC HC STD1

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/08/2024
 Supervised By :Ankita Jodhani 11/08/2024

Integration File: autoint1.e
 Quant Time: Nov 08 08:44:45 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 110724.M
 Quant Title : GC Extractables
 QLast Update : Fri Nov 08 08:43:02 2024
 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...	8.004	12422962	89.821 ug/ml
Spiked Amount 50.000		Recovery =	179.64%
6) S 2-Fluorobiphenyl (SURR)	8.881	8355385	90.230 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	180.46%#
11) S ortho-Terphenyl (SURR)	11.942	13667242	89.500 ug/ml
Spiked Amount 50.000		Recovery =	179.00%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.619	14196718	89.652 ug/ml
2) T Naphthalene (C11.7)	6.286	14671962	90.176 ug/ml
3) T 2-Methylnaphthalene (...)	7.381	14656666	89.717 ug/ml
5) T Acenaphthylene (C15.06)	8.682	14182124	89.879 ug/ml
7) T Acenaphthene (C15.5)	8.983	14151373	89.827 ug/ml
8) T Flouorene (C16.55)	9.772	13843456	90.021 ug/ml
9) T Phenanthrene (C19.36)	11.179	13560434	90.188 ug/ml
10) T Anthracene (C19.43)	11.255	12697609	89.257 ug/ml
12) T Fluoranthene (C21.85)	13.002	13042482	90.173 ug/ml
13) T Pyrene (C20.8)	13.302	12858274	90.017 ug/ml
14) T Benzo[a]anthracene (C...	15.182	12370256	89.854 ug/ml
15) T Chrysene (C27.41)	15.230	12487877	89.463 ug/ml
16) T benzo[b]fluoranthene ...	16.745	12785171	90.126 ug/ml
17) T Bnezo[k]fluoranthene ...	16.784	11850586	89.286 ug/mlm
18) T Benzo[a]pyrene (C31.34)	17.129	12555477	89.465 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.505	13034406	92.356 ug/mlm
20) T Dibenz[a,h]anthracene...	18.545	12452315	81.023 ug/mlm
21) T Benzo[g,h,i]perylene ...	18.769	13563058	88.499 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF110724AR\
Data File : FF014962.D
Signal(s) : FID2B.ch
Acq On : 07 Nov 2024 17:49
Operator : YP\AJ
Sample : 100 PPM AROMATIC HC STD1
Misc :
ALS Vial : 31 Sample Multiplier: 1

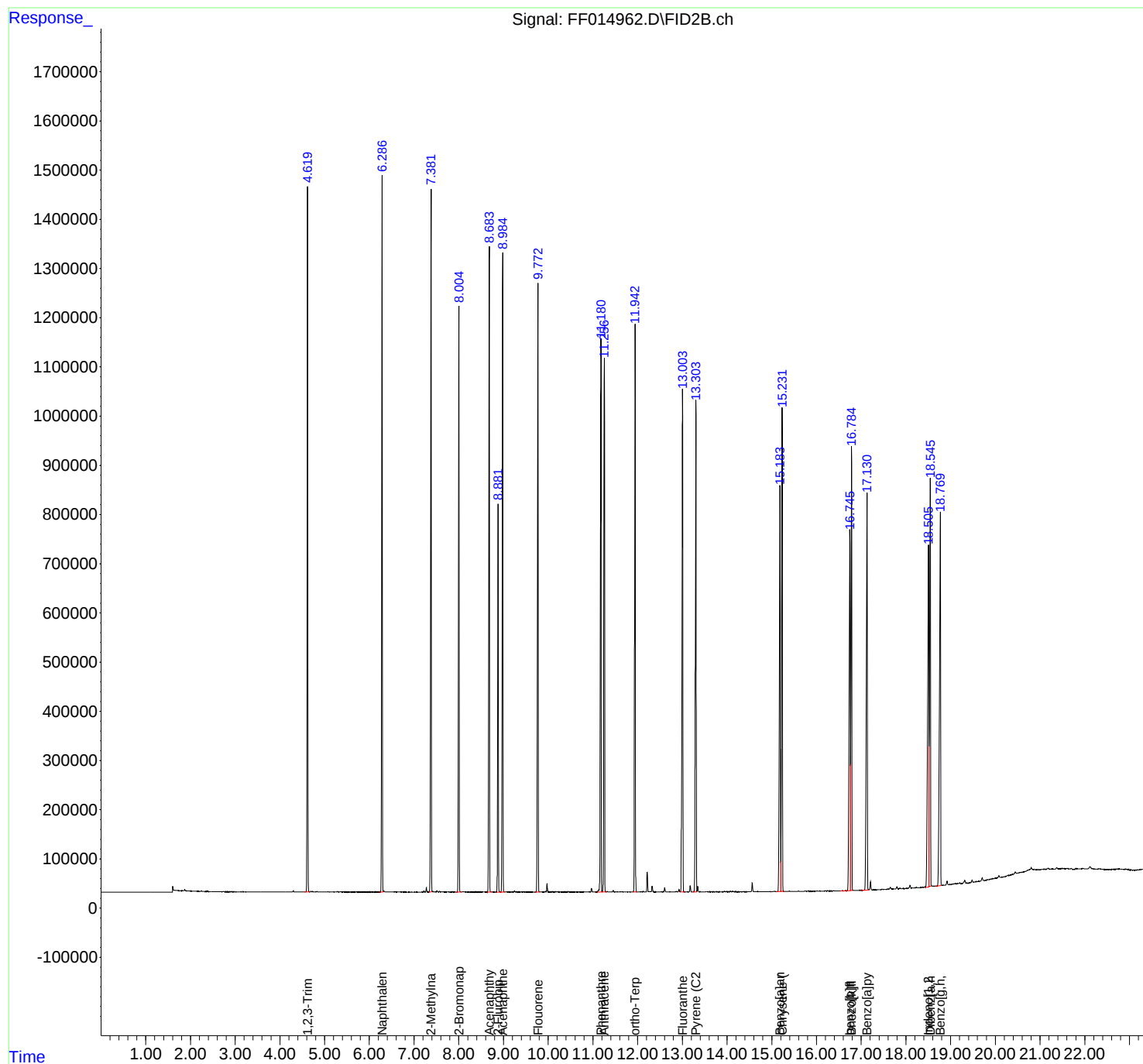
Instrument :
FID_F
ClientSampleId :
100 PPM AROMATIC HC STD1

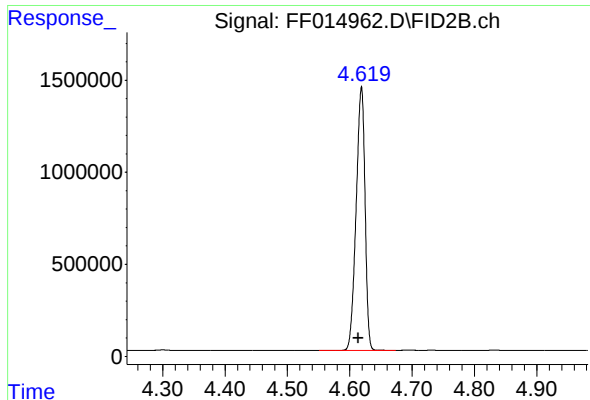
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024

Integration File: autoint1.e
Quant Time: Nov 08 08:44:45 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 110724.M
Quant Title : GC Extractables
QLast Update : Fri Nov 08 08:43:02 2024
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.: 4.619 min
Delta R.T.: 0.005 min
Response: 14196718
Conc: 89.65 ug/ml

Instrument :

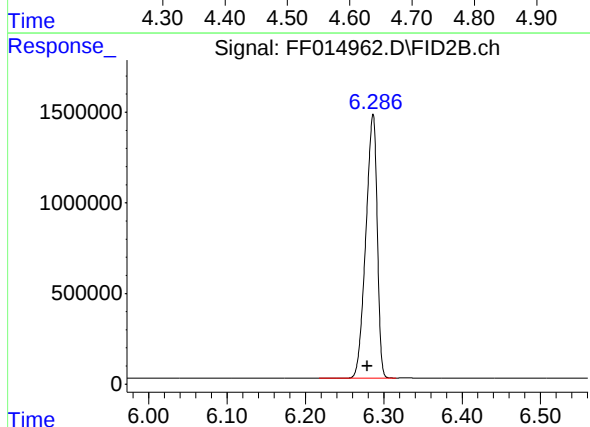
FID_F

ClientSampleId :

100 PPM AROMATIC HC STD1

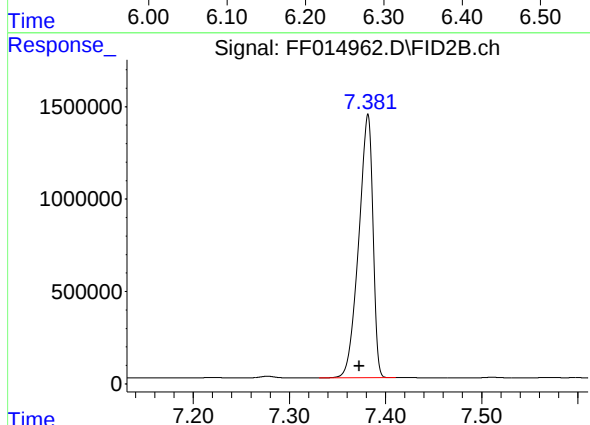
Manual Integrations
APPROVED

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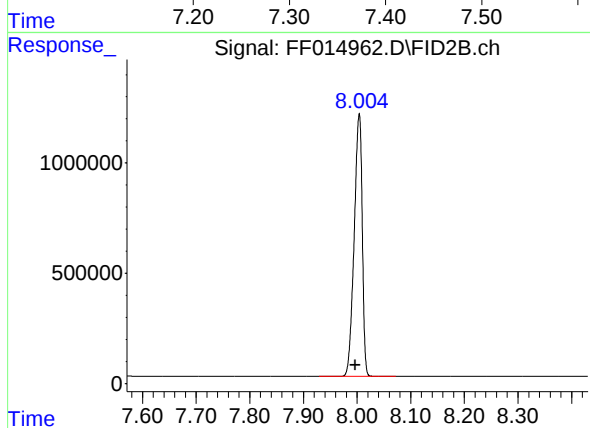
#2 Naphthalene (C11.7)

R.T.: 6.286 min
Delta R.T.: 0.007 min
Response: 14671962
Conc: 90.18 ug/ml



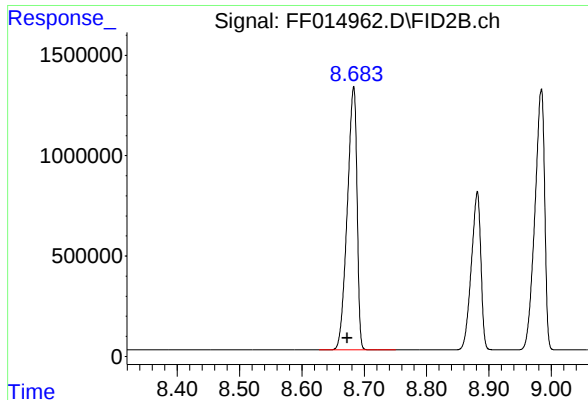
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.381 min
Delta R.T.: 0.008 min
Response: 14656666
Conc: 89.72 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 8.004 min
Delta R.T.: 0.007 min
Response: 12422962
Conc: 89.82 ug/ml



#5 Acenaphthylene (C15.06)

R.T.: 8.682 min
Delta R.T.: 0.010 min
Response: 14182124
Conc: 89.88 ug/ml

Instrument :

FID_F

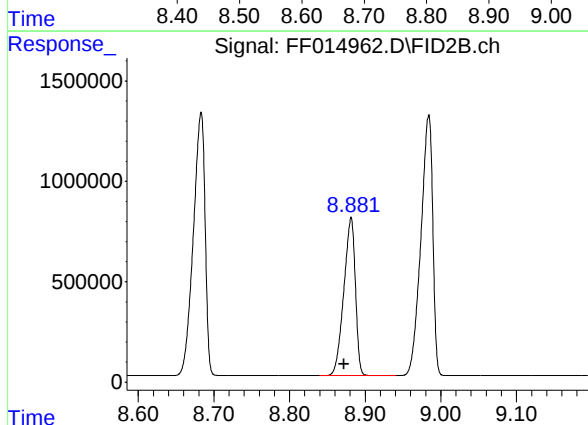
ClientSampleId :

100 PPM AROMATIC HC STD1

Manual Integrations

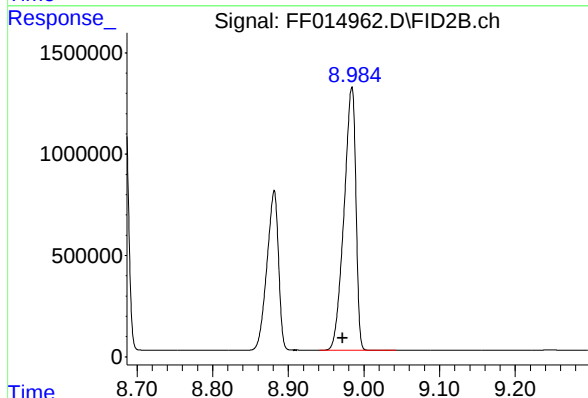
APPROVED

Reviewed By :Yogesh Patel 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024



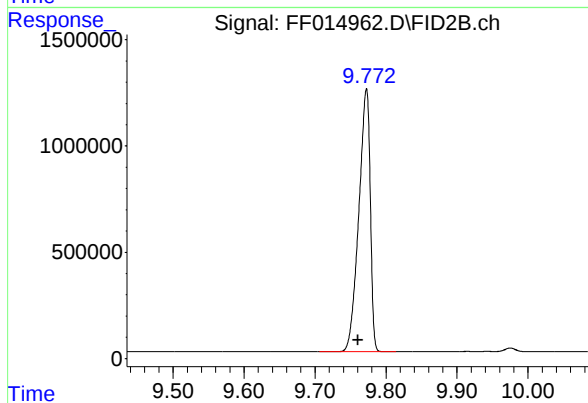
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.881 min
Delta R.T.: 0.009 min
Response: 8355385
Conc: 90.23 ug/ml



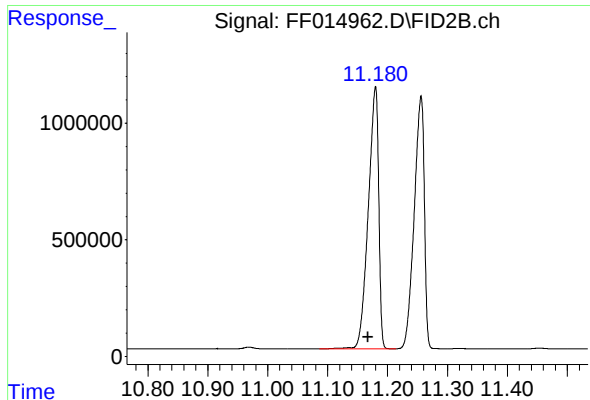
#7 Acenaphthene (C15.5)

R.T.: 8.983 min
Delta R.T.: 0.011 min
Response: 14151373
Conc: 89.83 ug/ml



#8 Fluorene (C16.55)

R.T.: 9.772 min
Delta R.T.: 0.011 min
Response: 13843456
Conc: 90.02 ug/ml



#9 Phenanthrene (C19.36)

R.T.: 11.179 min
Delta R.T.: 0.012 min
Response: 13560434
Conc: 90.19 ug/ml

Instrument :

FID_F

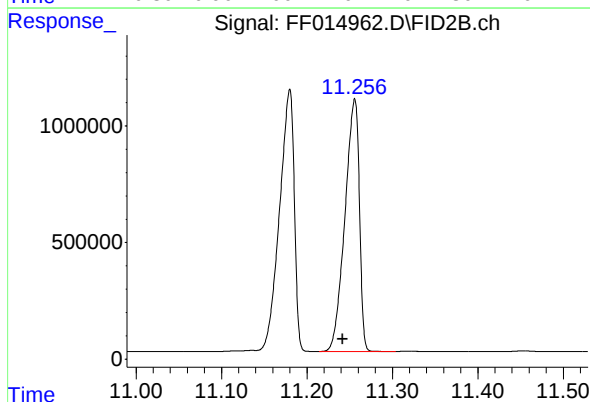
ClientSampleId :

100 PPM AROMATIC HC STD1

Manual Integrations

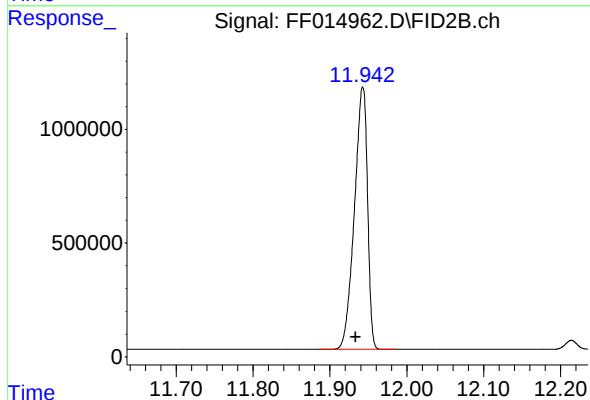
APPROVED

Reviewed By :Yogesh Patel 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024



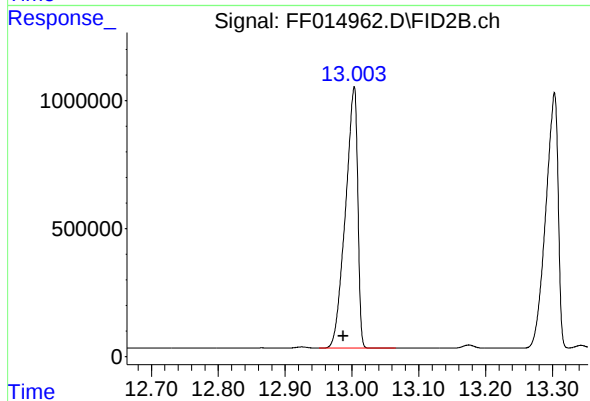
#10 Anthracene (C19.43)

R.T.: 11.255 min
Delta R.T.: 0.013 min
Response: 12697609
Conc: 89.26 ug/ml



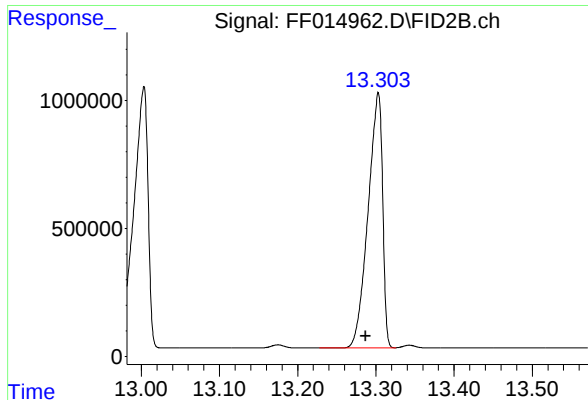
#11 ortho-Terphenyl (SURR)

R.T.: 11.942 min
Delta R.T.: 0.009 min
Response: 13667242
Conc: 89.50 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 13.002 min
Delta R.T.: 0.015 min
Response: 13042482
Conc: 90.17 ug/ml



#13 Pyrene (C20.8)

R.T.: 13.302 min
Delta R.T.: 0.016 min
Response: 12858274
Conc: 90.02 ug/ml

Instrument :

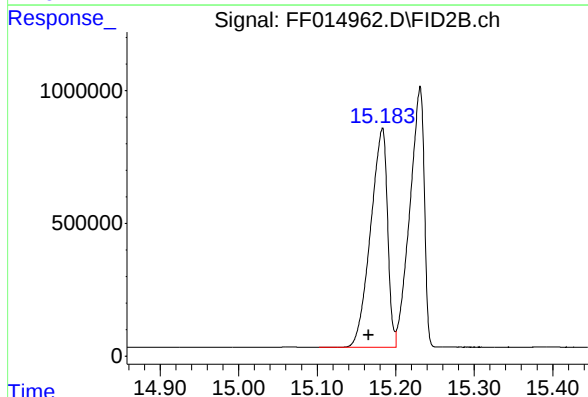
FID_F

ClientSampleId :

100 PPM AROMATIC HC STD1

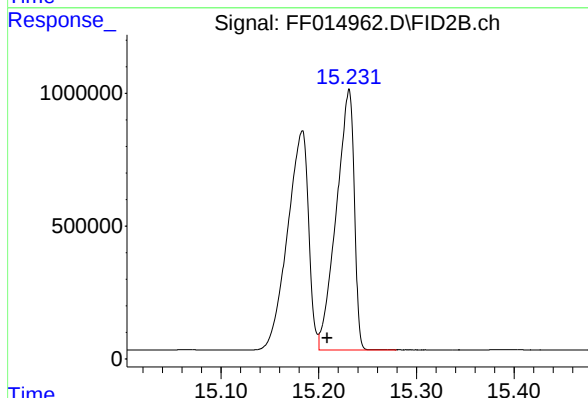
Manual Integrations
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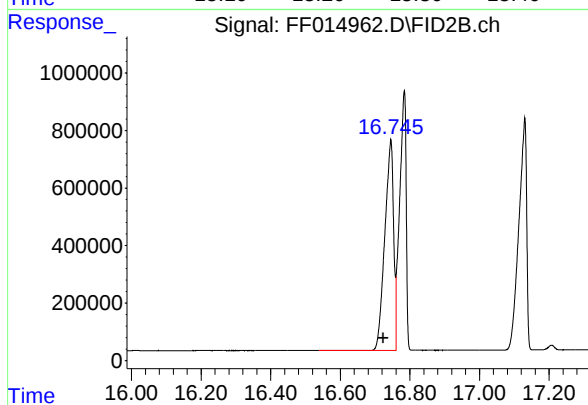
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.182 min
Delta R.T.: 0.017 min
Response: 12370256
Conc: 89.85 ug/ml



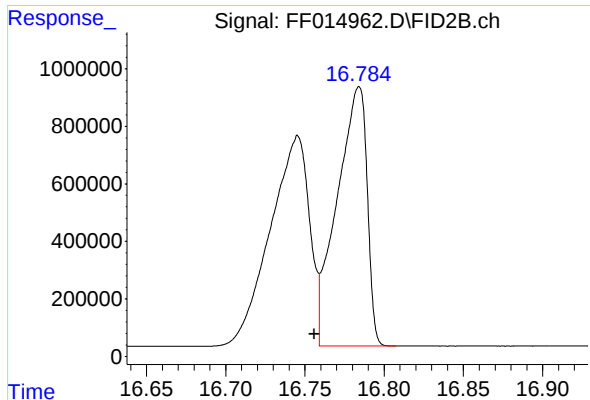
#15 Chrysene (C27.41)

R.T.: 15.230 min
Delta R.T.: 0.021 min
Response: 12487877
Conc: 89.46 ug/ml



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

R.T.: 16.745 min
Delta R.T.: 0.021 min
Response: 12785171
Conc: 90.13 ug/ml



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

R.T.: 16.784 min
Delta R.T.: 0.028 min
Response: 11850586
Conc: 89.29 ug/ml

Instrument :

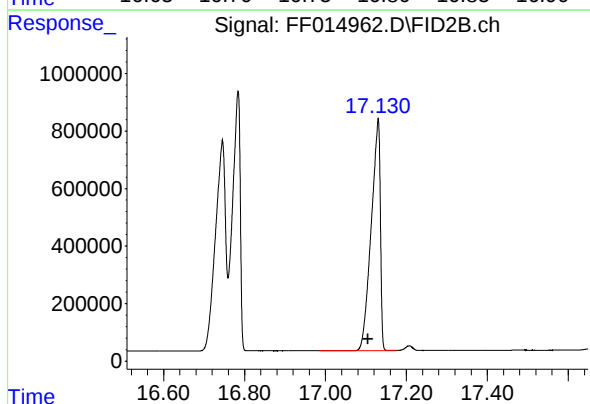
FID_F

ClientSampleId :

100 PPM AROMATIC HC STD1

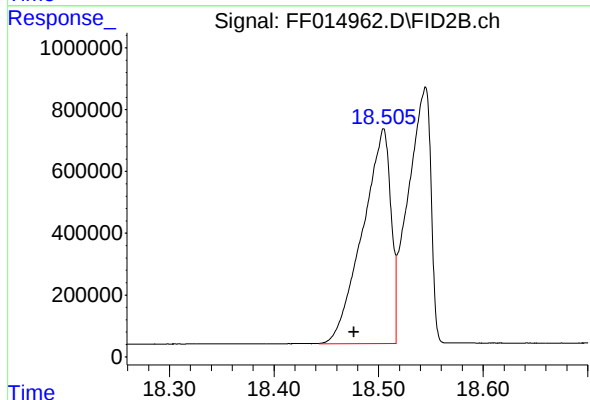
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024



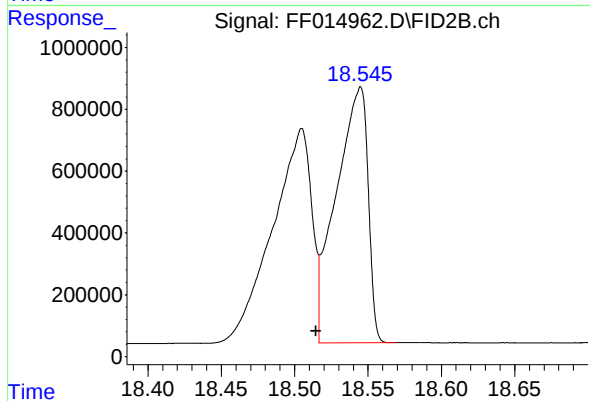
#18 Benzo[a]pyrene (C31.34)

R.T.: 17.129 min
Delta R.T.: 0.024 min
Response: 12555477
Conc: 89.47 ug/ml



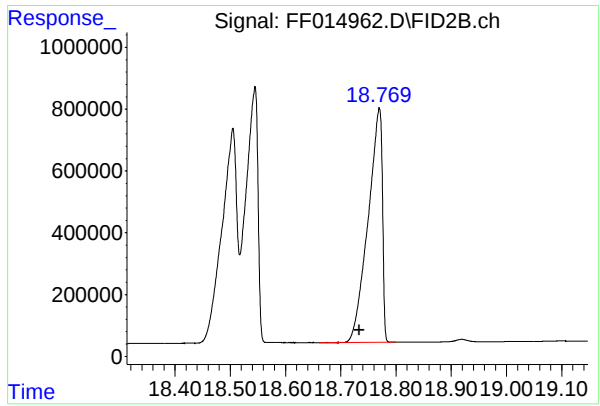
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.505 min
Delta R.T.: 0.029 min
Response: 13034406
Conc: 92.36 ug/ml m



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

R.T.: 18.545 min
Delta R.T.: 0.030 min
Response: 12452315
Conc: 81.02 ug/ml m



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

R.T.: 18.769 min
Delta R.T.: 0.035 min
Response: 13563058
Conc: 88.50 ug/ml

Instrument :

FID_F

ClientSampleId :

100 PPM AROMATIC HC STD1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/08/2024

Supervised By :Ankita Jodhani 11/08/2024

rteres

Instrument :
FID_F
LabSampleId :
100 PPM AROMATIC HC STD1
Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF110724
Data File : FF014962.D
Signal(s) : FID2B.ch
Acq On : 07 Nov 2024 17:49
Sample : 100 PPM AROMATIC HC STD1
Misc :
ALS Vial : 31 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 110724.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	4.619	4.551	4.674	BV	1439542	14196718	96.76%	5.194%
2	6.286	6.217	6.316	BV	1455243	14671962	100.00%	5.368%
3	7.381	7.331	7.411	BV	1417689	14656666	99.90%	5.362%
4	8.004	7.929	8.072	BV	1193565	12422962	84.67%	4.545%
5	8.682	8.627	8.751	BB	1308832	14182124	96.66%	5.189%
6	8.881	8.839	8.941	BV	785823	8355385	56.95%	3.057%
7	8.983	8.941	9.042	VB	1301146	14151373	96.45%	5.177%
8	9.772	9.706	9.814	BB	1240764	13843456	94.35%	5.065%
9	11.179	11.086	11.214	BV	1120248	13560434	92.42%	4.961%
10	11.255	11.214	11.304	VV	1086803	12697609	86.54%	4.645%
11	11.942	11.886	11.986	BB	1155946	13667242	93.15%	5.000%
12	13.002	12.951	13.066	VB	1013870	13042482	88.89%	4.772%
13	13.302	13.227	13.326	BV	998661	12858274	87.64%	4.704%
14	15.182	15.102	15.200	BV	822219	12370256	84.31%	4.526%
15	15.230	15.200	15.279	VB	982369	12487877	85.11%	4.569%
16	16.745	16.539	16.760	BV	726302	12785171	87.14%	4.677%
17	16.783	16.760	16.841	VB	896883	11773296	80.24%	4.307%
18	17.129	16.984	17.174	BV	797898	12555477	85.57%	4.593%
19	18.504	18.294	18.517	BV	694232	13089914	89.22%	4.789%
20	18.544	18.517	18.601	VB	824051	12402005	84.53%	4.537%
21	18.769	18.661	18.800	BBA	757758	13563058	92.44%	4.962%
Sum of corrected areas:						273333740		

Aromatic EPH 110724.M Fri Nov 08 08:57:24 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF110724AR\
 Data File : FF014963.D
 Signal(s) : FID2B.ch
 Acq On : 07 Nov 2024 18:18
 Operator : YP\AJ
 Sample : 50 PPM AROMATIC HC STD2
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 FID_F
 ClientSampleId :
 50 PPM AROMATIC HC STD2

Integration File: autoint1.e
 Quant Time: Nov 08 08:44:56 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 110724.M
 Quant Title : GC Extractables
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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...	7.999	6462526	46.725 ug/ml
Spiked Amount 50.000		Recovery =	93.45%
6) S 2-Fluorobiphenyl (SURR)	8.876	4344904	46.921 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	93.84%
11) S ortho-Terphenyl (SURR)	11.937	7136048	46.730 ug/ml
Spiked Amount 50.000		Recovery =	93.46%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.616	7358676	46.470 ug/ml
2) T Naphthalene (C11.7)	6.281	7605550	46.745 ug/ml
3) T 2-Methylnaphthalene (...)	7.376	7638820	46.759 ug/ml
5) T Acenaphthylene (C15.06)	8.677	7397048	46.878 ug/ml
7) T Acenaphthene (C15.5)	8.977	7375951	46.819 ug/ml
8) T Fluorene (C16.55)	9.765	7212712	46.903 ug/ml
9) T Phenanthrene (C19.36)	11.172	7053373	46.911 ug/ml
10) T Anthracene (C19.43)	11.247	6643208	46.698 ug/ml
12) T Fluoranthene (C21.85)	12.994	6772296	46.822 ug/ml
13) T Pyrene (C20.8)	13.294	6673380	46.718 ug/ml
14) T Benzo[a]anthracene (C...	15.173	6409798	46.559 ug/ml
15) T Chrysene (C27.41)	15.218	6479862	46.422 ug/ml
16) T benzo[b]fluoranthene ...	16.733	6584875	46.418 ug/ml
17) T Bnezo[k]fluoranthene ...	16.768	6154193	46.368 ug/ml
18) T Benzo[a]pyrene (C31.34)	17.116	6528554	46.520 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.488	6715052	47.580 ug/ml
20) T Dibenz[a,h]anthracene...	18.527	6708461	43.650 ug/ml
21) T Benzo[g,h,i]perylene ...	18.750	7086072	46.236 ug/ml

(f)=RT Delta > 1/2 Window

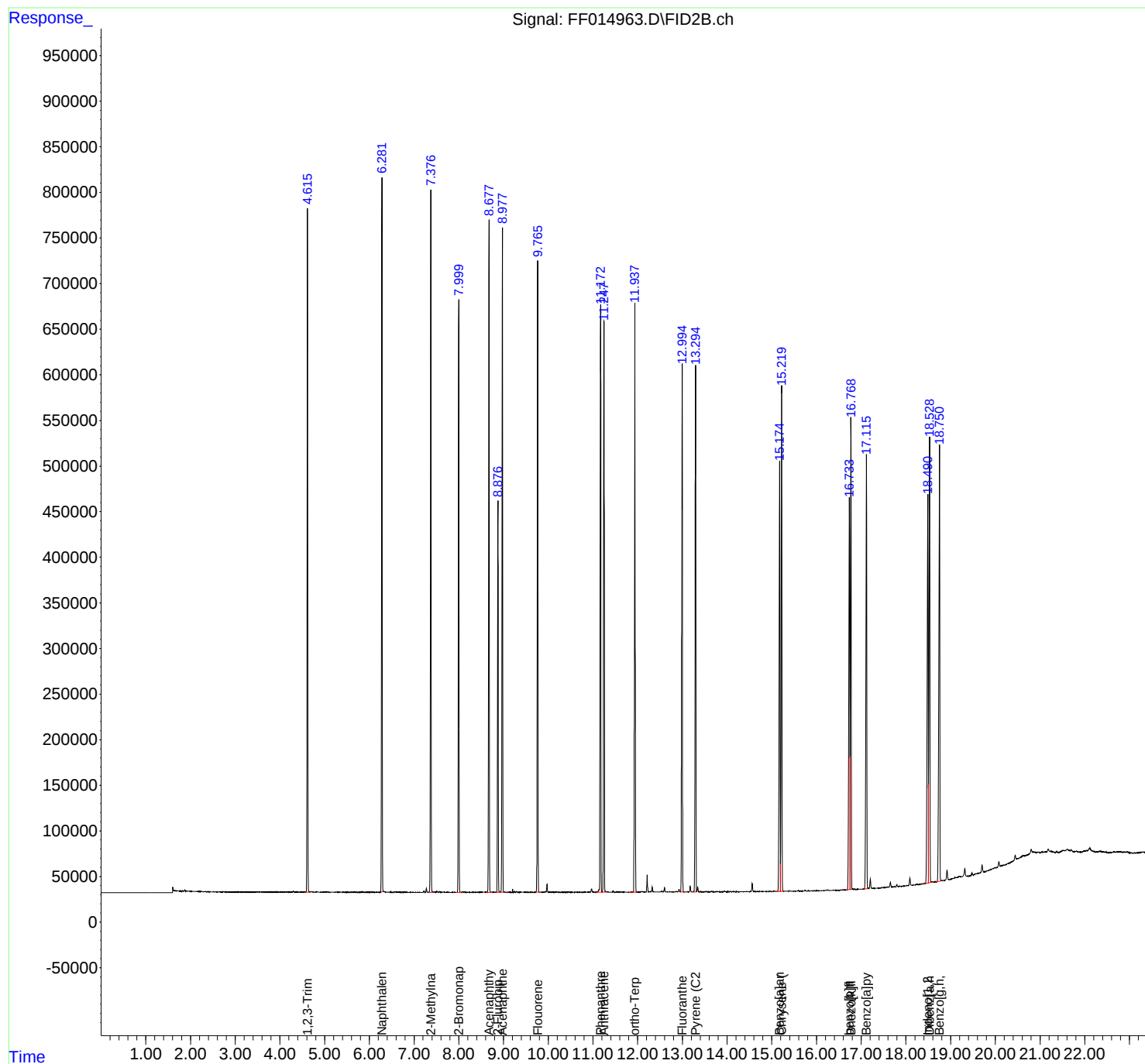
(m)=manual int.

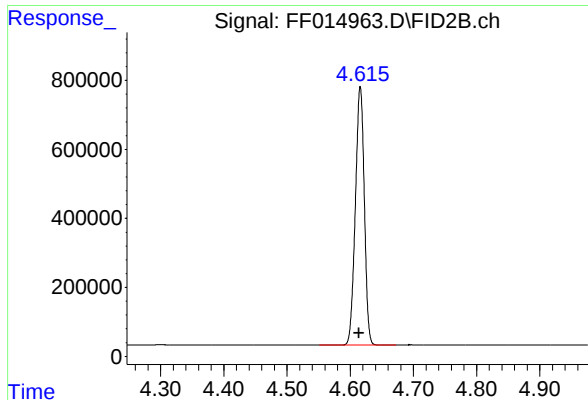
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF110724AR\
Data File : FF014963.D
Signal(s) : FID2B.ch
Acq On : 07 Nov 2024 18:18
Operator : YP\AJ
Sample : 50 PPM AROMATIC HC STD2
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
50 PPM AROMATIC HC STD2

Integration File: autoint1.e
Quant Time: Nov 08 08:44:56 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 110724.M
Quant Title : GC Extractables
QLast Update : Fri Nov 08 08:43:02 2024
Response via : Initial Calibration
Integrator: ChemStation

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

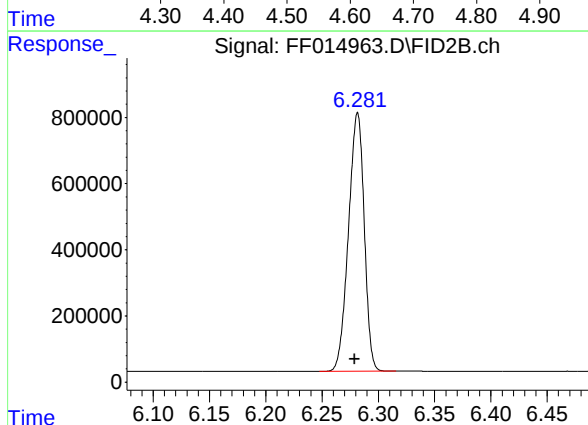




#1 1,2,3-Trimethylbenzene (C10.1)

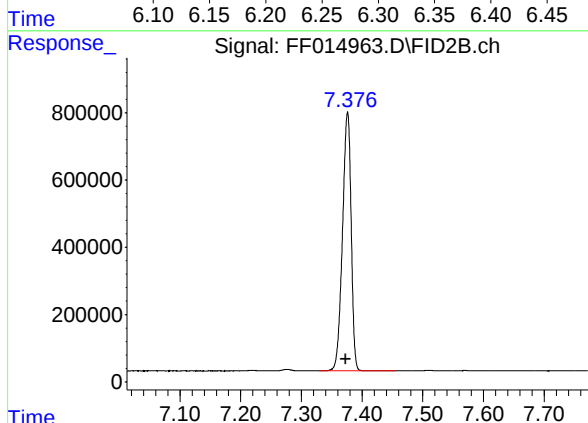
R.T.: 4.616 min
Delta R.T.: 0.002 min
Response: 7358676
Conc: 46.47 ug/ml

Instrument :
FID_F
ClientSampleId :
50 PPM AROMATIC HC STD2



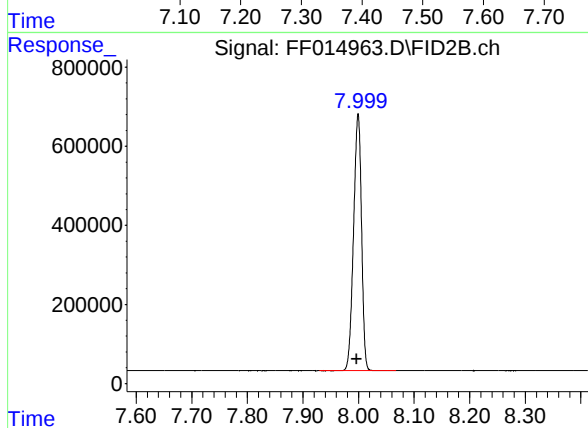
#2 Naphthalene (C11.7)

R.T.: 6.281 min
Delta R.T.: 0.002 min
Response: 7605550
Conc: 46.74 ug/ml



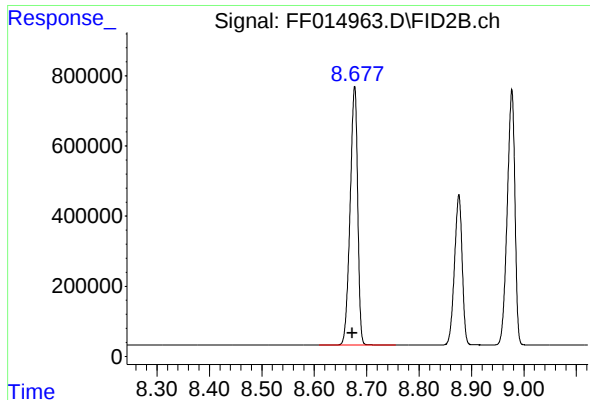
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.376 min
Delta R.T.: 0.003 min
Response: 7638820
Conc: 46.76 ug/ml



#4 2-Bromonaphthalene (SURR)

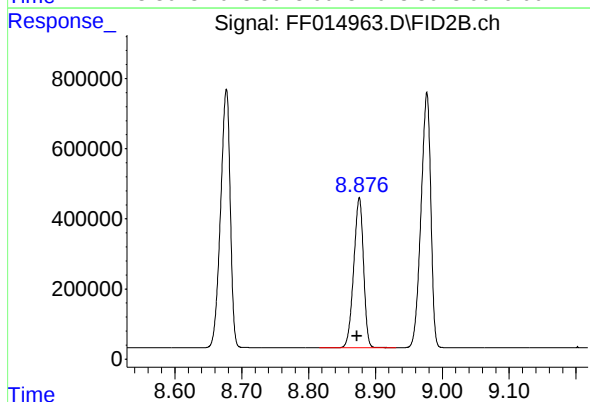
R.T.: 7.999 min
Delta R.T.: 0.002 min
Response: 6462526
Conc: 46.73 ug/ml



#5 Acenaphthylene (C15.06)

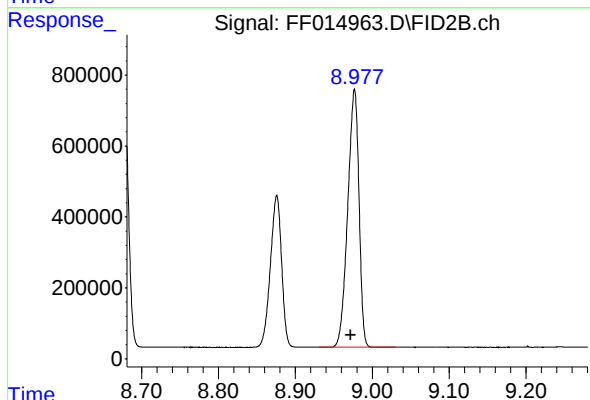
R.T.: 8.677 min
Delta R.T.: 0.004 min
Response: 7397048
Conc: 46.88 ug/ml

Instrument :
FID_F
ClientSampleId :
50 PPM AROMATIC HC STD2



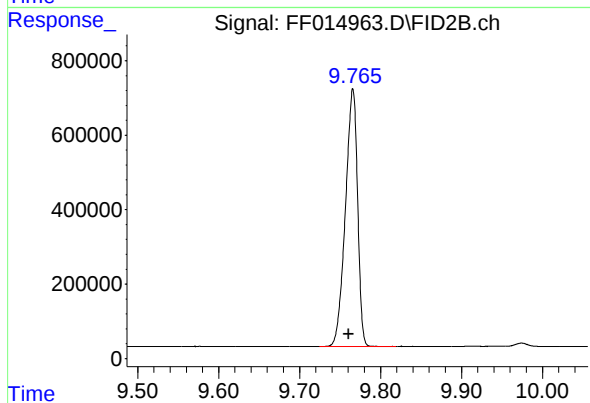
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.876 min
Delta R.T.: 0.004 min
Response: 4344904
Conc: 46.92 ug/ml



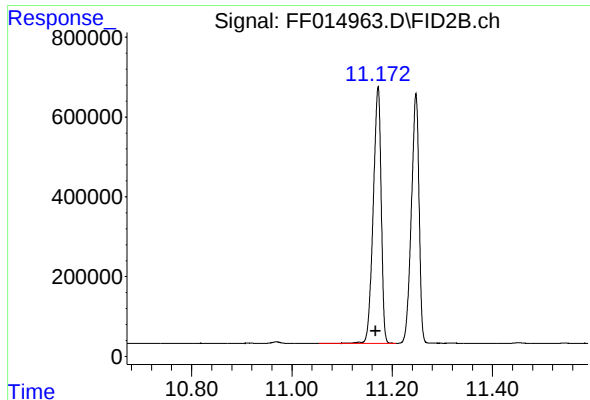
#7 Acenaphthene (C15.5)

R.T.: 8.977 min
Delta R.T.: 0.005 min
Response: 7375951
Conc: 46.82 ug/ml



#8 Fluorene (C16.55)

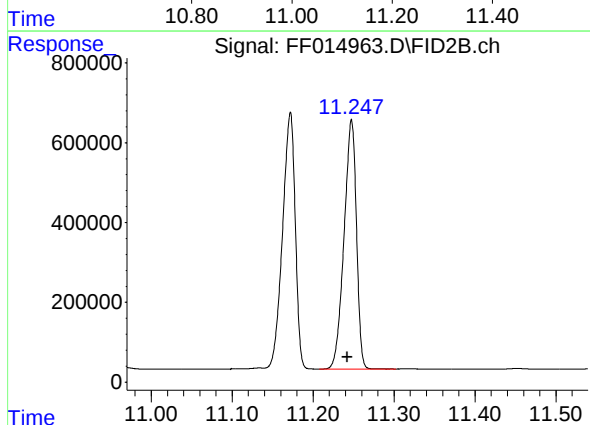
R.T.: 9.765 min
Delta R.T.: 0.005 min
Response: 7212712
Conc: 46.90 ug/ml



#9 Phenanthrene (C19.36)

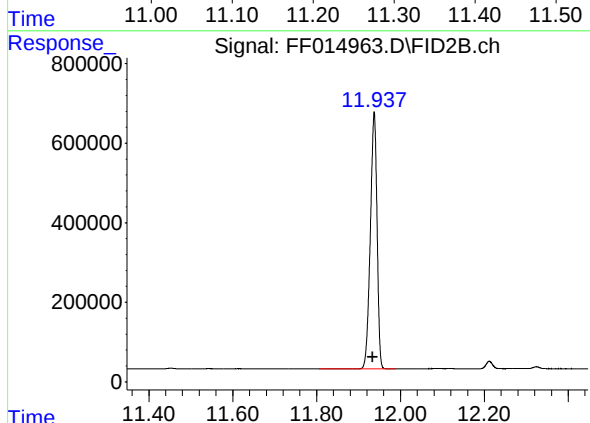
R.T.: 11.172 min
Delta R.T.: 0.004 min
Response: 7053373
Conc: 46.91 ug/ml

Instrument :
FID_F
ClientSampleId :
50 PPM AROMATIC HC STD2



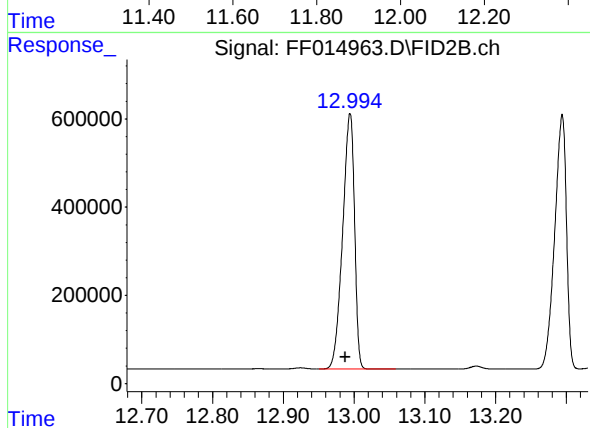
#10 Anthracene (C19.43)

R.T.: 11.247 min
Delta R.T.: 0.005 min
Response: 6643208
Conc: 46.70 ug/ml



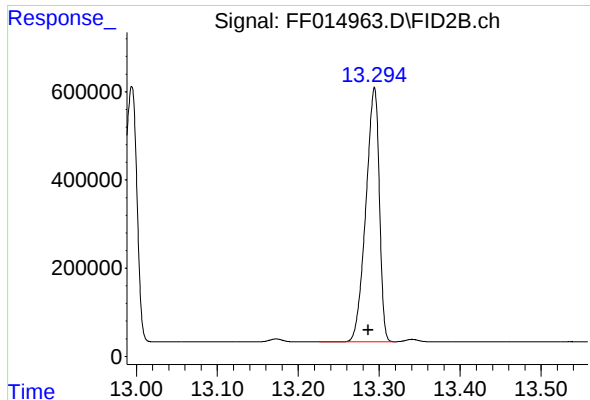
#11 ortho-Terphenyl (SURR)

R.T.: 11.937 min
Delta R.T.: 0.004 min
Response: 7136048
Conc: 46.73 ug/ml



#12 Fluoranthene (C21.85)

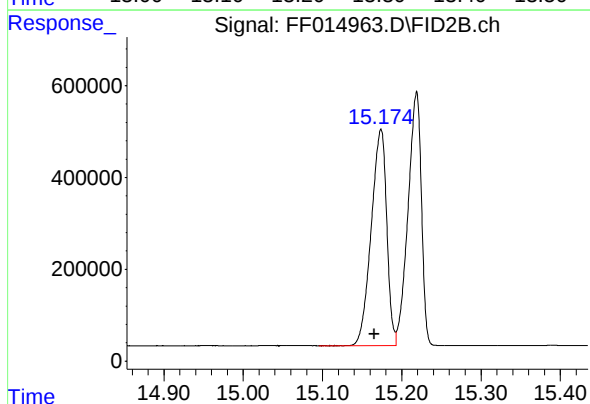
R.T.: 12.994 min
Delta R.T.: 0.007 min
Response: 6772296
Conc: 46.82 ug/ml



#13 Pyrene (C20.8)

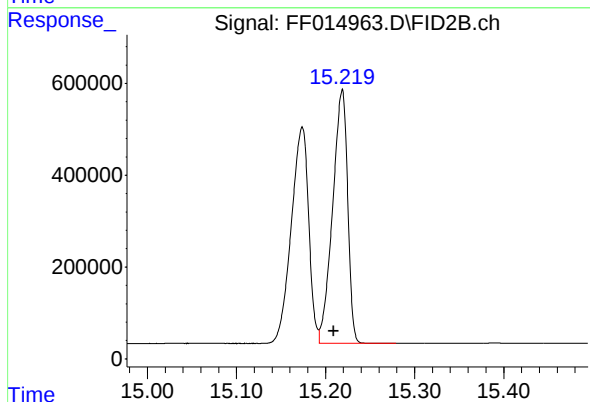
R.T.: 13.294 min
Delta R.T.: 0.007 min
Response: 6673380
Conc: 46.72 ug/ml

Instrument :
FID_F
ClientSampleId :
50 PPM AROMATIC HC STD2



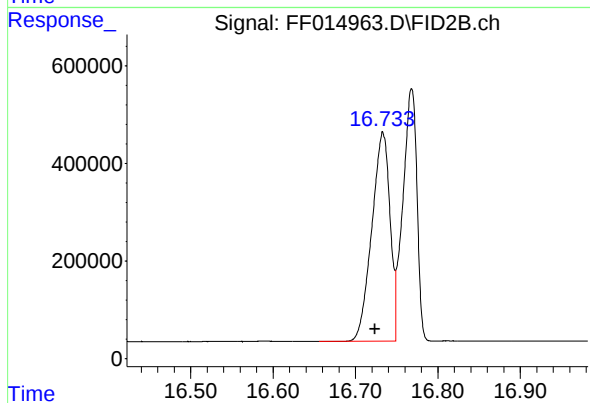
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.173 min
Delta R.T.: 0.008 min
Response: 6409798
Conc: 46.56 ug/ml



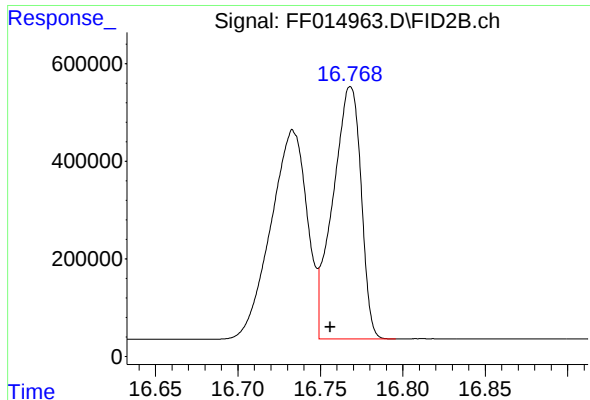
#15 Chrysene (C27.41)

R.T.: 15.218 min
Delta R.T.: 0.009 min
Response: 6479862
Conc: 46.42 ug/ml



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

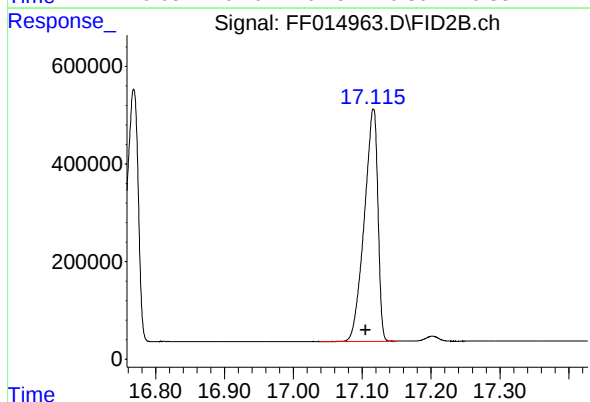
R.T.: 16.733 min
Delta R.T.: 0.009 min
Response: 6584875
Conc: 46.42 ug/ml



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

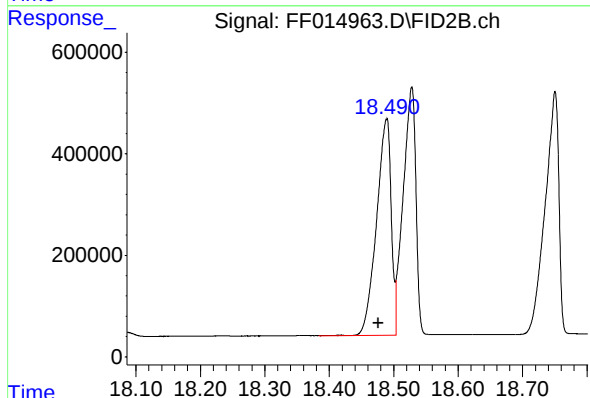
R.T.: 16.768 min
Delta R.T.: 0.012 min
Response: 6154193
Conc: 46.37 ug/ml

Instrument :
FID_F
ClientSampleId :
50 PPM AROMATIC HC STD2



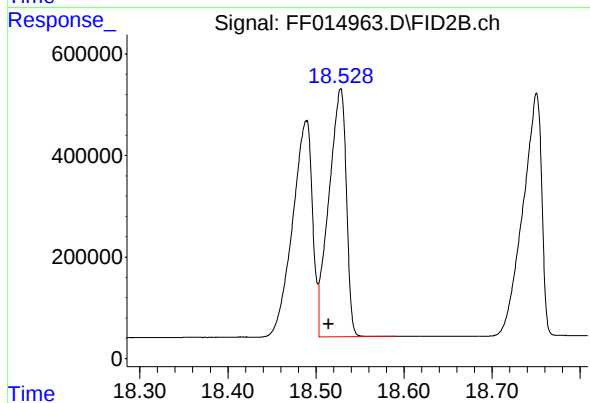
#18 Benzo[a]pyrene (C31.34)

R.T.: 17.116 min
Delta R.T.: 0.011 min
Response: 6528554
Conc: 46.52 ug/ml



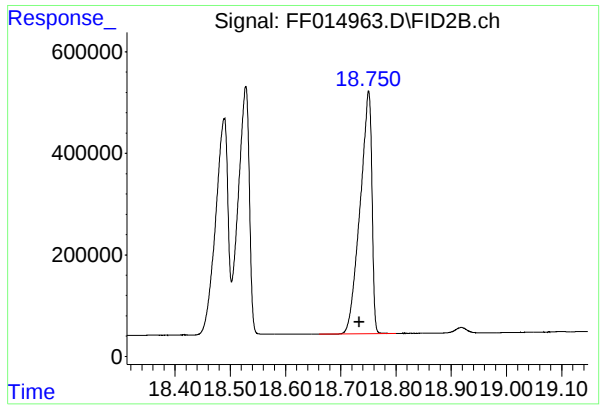
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.488 min
Delta R.T.: 0.012 min
Response: 6715052
Conc: 47.58 ug/ml



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

R.T.: 18.527 min
Delta R.T.: 0.013 min
Response: 6708461
Conc: 43.65 ug/ml



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

R.T.: 18.750 min
Delta R.T.: 0.016 min
Response: 7086072
Conc: 46.24 ug/ml

Instrument :

FID_F

ClientSampleId :

50 PPM AROMATIC HC STD2

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF110724AR\
Data File : FF014963.D
Signal(s) : FID2B.ch
Acq On : 07 Nov 2024 18:18
Sample : 50 PPM AROMATIC HC STD2
Misc :
ALS Vial : 32 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 110724.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	4.616	4.551	4.672	BV	750224	7358676	96.33%	5.170%
2	6.281	6.247	6.316	BV	780435	7605550	99.56%	5.343%
3	7.376	7.329	7.456	BB	768616	7638820	100.00%	5.367%
4	7.999	7.929	8.067	BB	650096	6462526	84.60%	4.540%
5	8.677	8.609	8.756	BB	741944	7397048	96.83%	5.197%
6	8.876	8.816	8.931	BV	429100	4344904	56.88%	3.052%
7	8.977	8.931	9.031	VB	732364	7375951	96.56%	5.182%
8	9.765	9.724	9.819	BB	695064	7212712	94.42%	5.067%
9	11.172	11.054	11.207	BV	639031	7053373	92.34%	4.955%
10	11.247	11.207	11.302	VV	626844	6643208	86.97%	4.667%
11	11.937	11.806	11.989	BB	646989	7136048	93.42%	5.013%
12	12.994	12.950	13.059	VB	581165	6772296	88.66%	4.758%
13	13.294	13.226	13.321	BV	579556	6673380	87.36%	4.688%
14	15.173	15.096	15.193	BV	473127	6409798	83.91%	4.503%
15	15.218	15.193	15.279	VB	548122	6479862	84.83%	4.552%
16	16.733	16.656	16.749	BV	428622	6584875	86.20%	4.626%
17	16.768	16.749	16.796	VV	518289	6154193	80.56%	4.324%
18	17.116	17.037	17.149	BV	477536	6528554	85.47%	4.587%
19	18.488	18.384	18.503	BV	425871	6715052	87.91%	4.718%
20	18.527	18.503	18.591	VB	488882	6708461	87.82%	4.713%
21	18.750	18.661	18.800	BBA	476604	7086072	92.76%	4.978%
Sum of corrected areas:						142341358		

Aromatic EPH 110724.M Fri Nov 08 08:57:54 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF110724AR\
 Data File : FF014964.D
 Signal(s) : FID2B.ch
 Acq On : 07 Nov 2024 18:46
 Operator : YP\AJ
 Sample : 20 PPM AROMATIC HC STD3
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 FID_F
 ClientSampleId :
 20 PPM AROMATIC HC STD3

Integration File: autoint1.e
 Quant Time: Nov 08 08:45:05 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 110724.M
 Quant Title : GC Extractables
 QLast Update : Fri Nov 08 08:43:02 2024
 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...	7.997	2766167	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
6) S 2-Fluorobiphenyl (SURR)	8.872	1852016	20.000 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	40.00%
11) S ortho-Terphenyl (SURR)	11.933	3054141	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.614	3167074	20.000 ug/ml
2) T Naphthalene (C11.7)	6.279	3254087	20.000 ug/ml
3) T 2-Methylnaphthalene (...)	7.373	3267320	20.000 ug/ml
5) T Acenaphthylene (C15.06)	8.673	3155839	20.000 ug/ml
7) T Acenaphthene (C15.5)	8.972	3150804	20.000 ug/ml
8) T Fluorene (C16.55)	9.761	3075611	20.000 ug/ml
9) T Phenanthrene (C19.36)	11.167	3007153	20.000 ug/ml
10) T Anthracene (C19.43)	11.242	2845179	20.000 ug/ml
12) T Fluoranthene (C21.85)	12.987	2892760	20.000 ug/ml
13) T Pyrene (C20.8)	13.287	2856862	20.000 ug/ml
14) T Benzo[a]anthracene (C...	15.165	2753408	20.000 ug/ml
15) T Chrysene (C27.41)	15.209	2791744	20.000 ug/ml
16) T benzo[b]fluoranthene ...	16.724	2837191	20.000 ug/ml
17) T Bnezo[k]fluoranthene ...	16.756	2654525	20.000 ug/ml
18) T Benzo[a]pyrene (C31.34)	17.105	2806782	20.000 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.476	2822651	20.000 ug/ml
20) T Dibenz[a,h]anthracene...	18.514	3073773	20.000 ug/ml
21) T Benzo[g,h,i]perylene ...	18.734	3065149	20.000 ug/ml

(f)=RT Delta > 1/2 Window

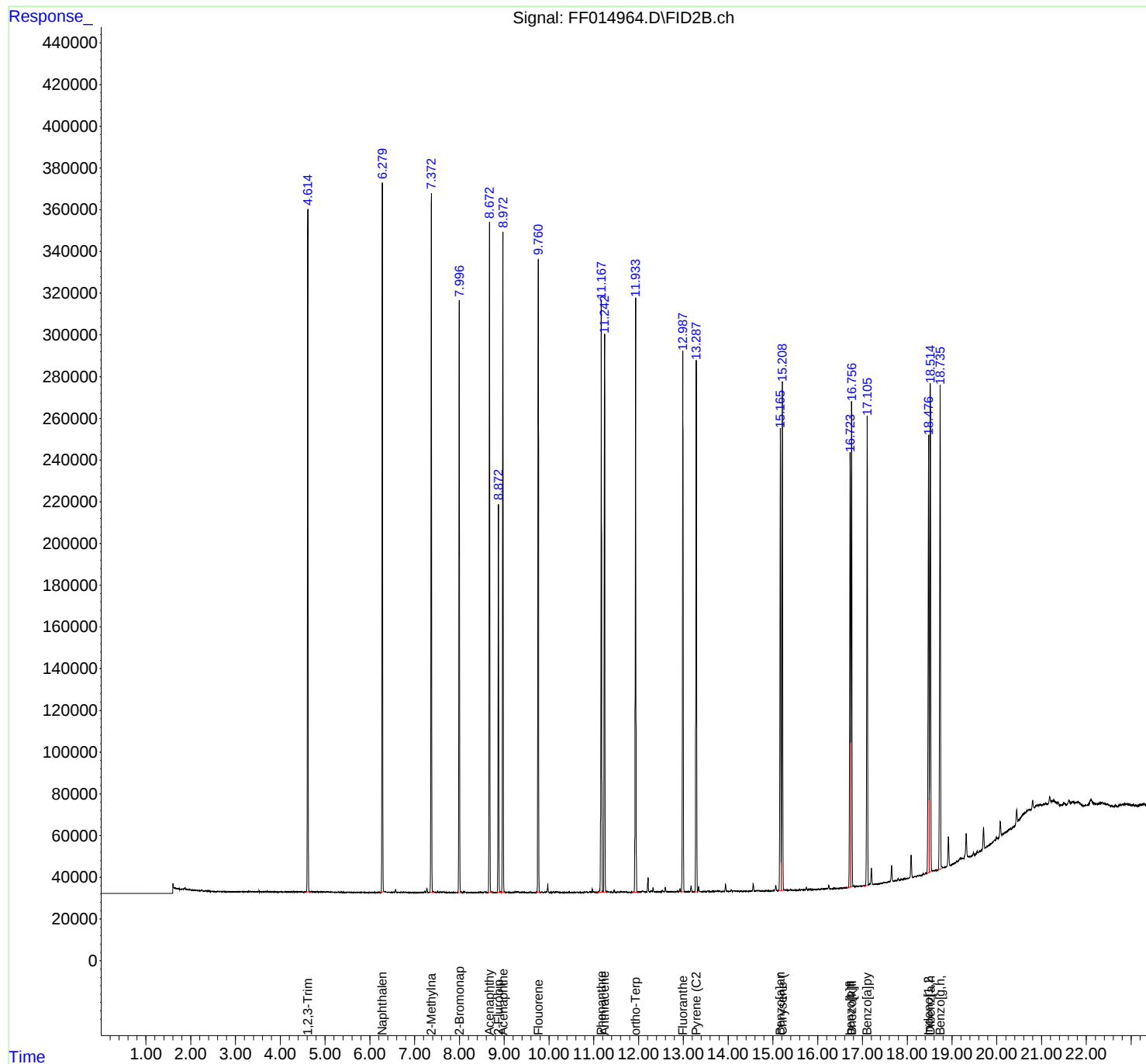
(m)=manual int.

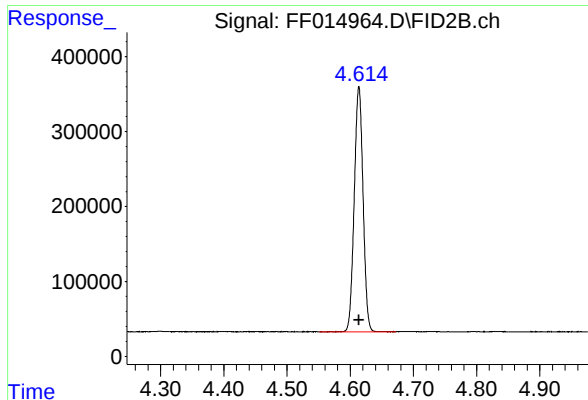
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF110724AR\
Data File : FF014964.D
Signal(s) : FID2B.ch
Acq On : 07 Nov 2024 18:46
Operator : YP\AJ
Sample : 20 PPM AROMATIC HC STD3
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
20 PPM AROMATIC HC STD3

Integration File: autoint1.e
Quant Time: Nov 08 08:45:05 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 110724.M
Quant Title : GC Extractables
QLast Update : Fri Nov 08 08:43:02 2024
Response via : Initial Calibration
Integrator: ChemStation

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

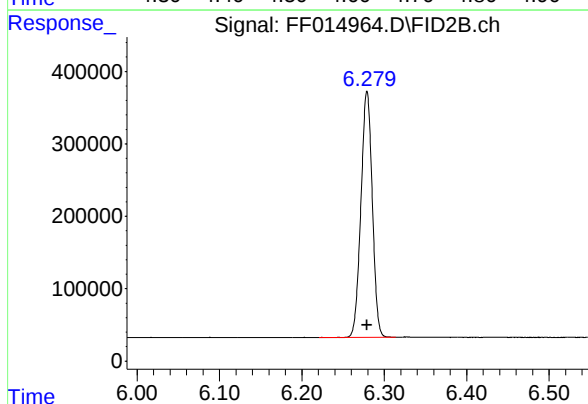




#1 1,2,3-Trimethylbenzene (C10.1)

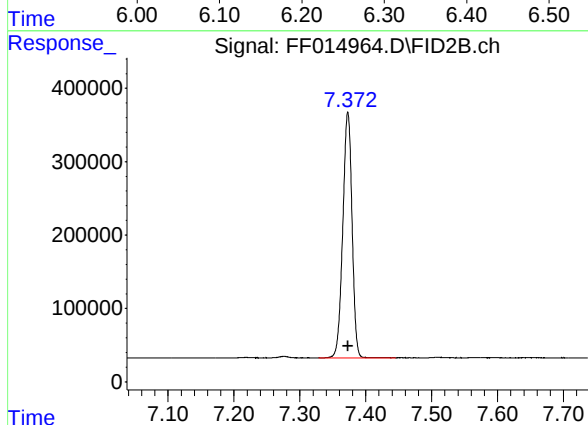
R.T.: 4.614 min
Delta R.T.: 0.000 min
Response: 3167074
Conc: 20.00 ug/ml

Instrument :
FID_F
ClientSampleId :
20 PPM AROMATIC HC STD3



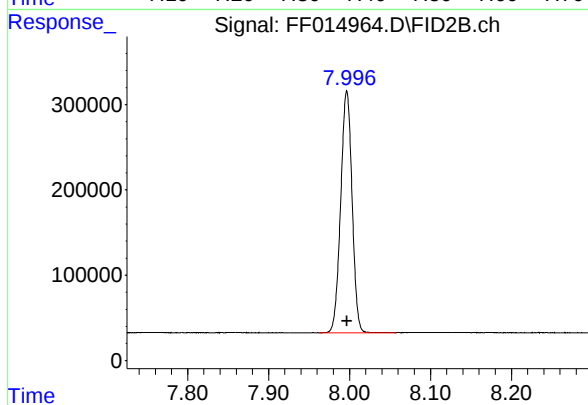
#2 Naphthalene (C11.7)

R.T.: 6.279 min
Delta R.T.: 0.000 min
Response: 3254087
Conc: 20.00 ug/ml



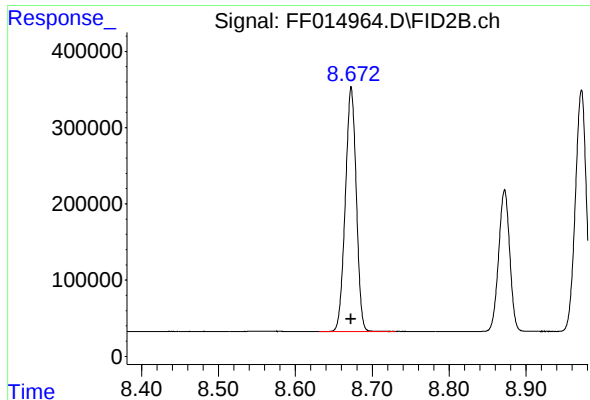
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.373 min
Delta R.T.: 0.000 min
Response: 3267320
Conc: 20.00 ug/ml



#4 2-Bromonaphthalene (SURR)

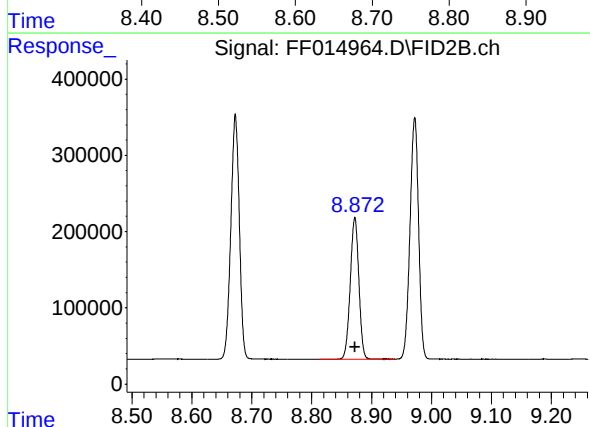
R.T.: 7.997 min
Delta R.T.: 0.000 min
Response: 2766167
Conc: 20.00 ug/ml



#5 Acenaphthylene (C15.06)

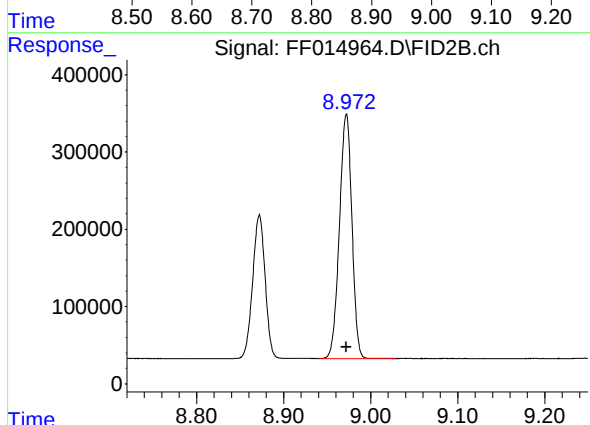
R.T.: 8.673 min
Delta R.T.: 0.000 min
Response: 3155839
Conc: 20.00 ug/ml

Instrument :
FID_F
ClientSampleId :
20 PPM AROMATIC HC STD3



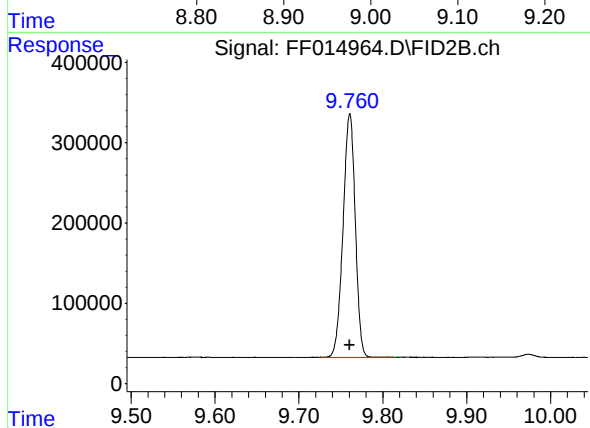
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.872 min
Delta R.T.: 0.000 min
Response: 1852016
Conc: 20.00 ug/ml



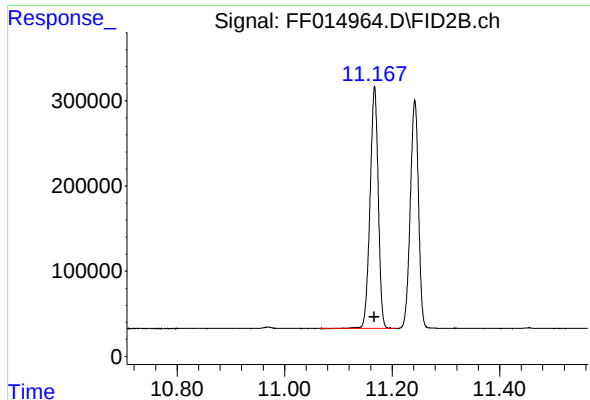
#7 Acenaphthene (C15.5)

R.T.: 8.972 min
Delta R.T.: 0.000 min
Response: 3150804
Conc: 20.00 ug/ml



#8 Fluorene (C16.55)

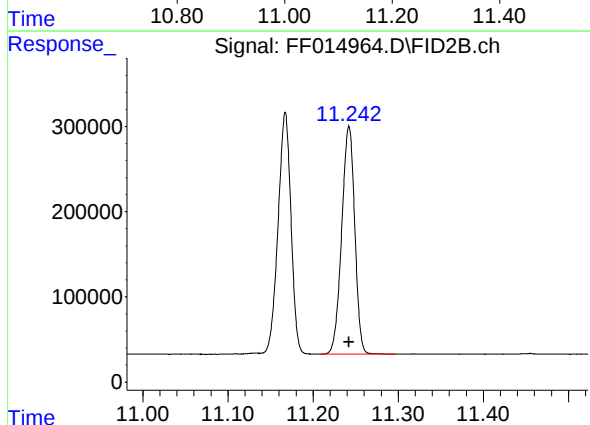
R.T.: 9.761 min
Delta R.T.: 0.000 min
Response: 3075611
Conc: 20.00 ug/ml



#9 Phenanthrene (C19.36)

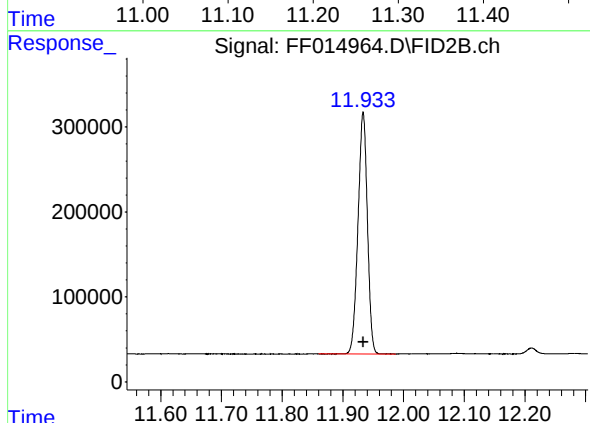
R.T.: 11.167 min
Delta R.T.: 0.000 min
Response: 3007153
Conc: 20.00 ug/ml

Instrument :
FID_F
ClientSampleId :
20 PPM AROMATIC HC STD3



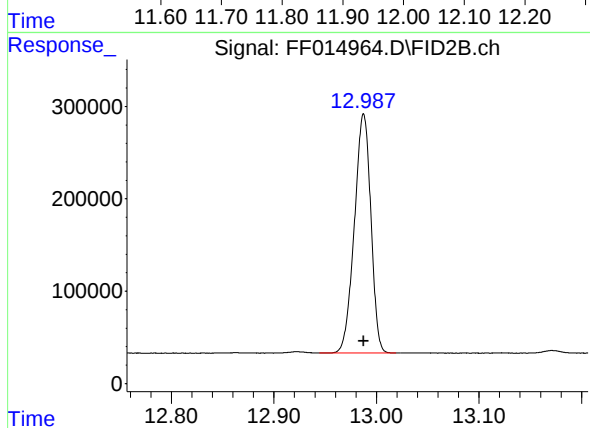
#10 Anthracene (C19.43)

R.T.: 11.242 min
Delta R.T.: 0.000 min
Response: 2845179
Conc: 20.00 ug/ml



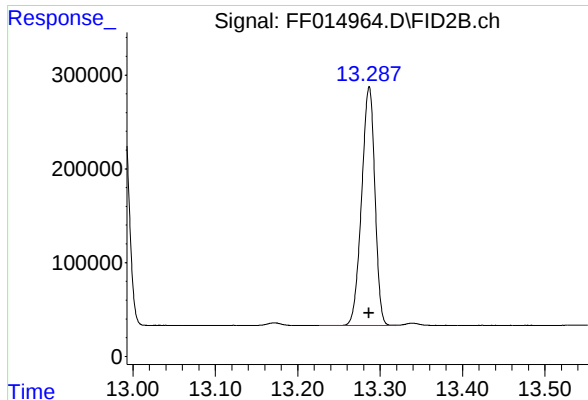
#11 ortho-Terphenyl (SURRE)

R.T.: 11.933 min
Delta R.T.: 0.000 min
Response: 3054141
Conc: 20.00 ug/ml



#12 Fluoranthene (C21.85)

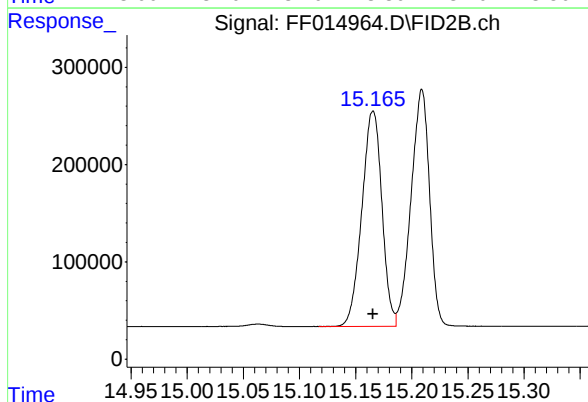
R.T.: 12.987 min
Delta R.T.: 0.000 min
Response: 2892760
Conc: 20.00 ug/ml



#13 Pyrene (C20.8)

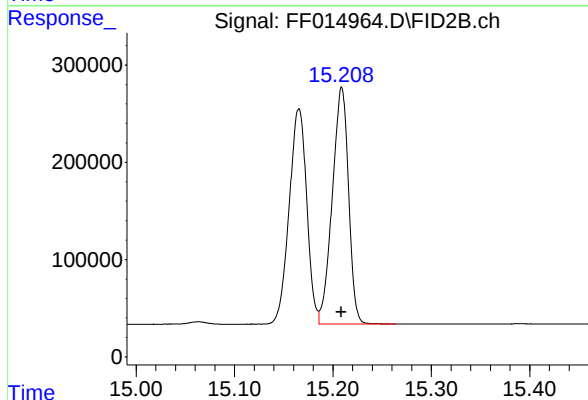
R.T.: 13.287 min
Delta R.T.: 0.000 min
Response: 2856862
Conc: 20.00 ug/ml

Instrument :
FID_F
ClientSampleId :
20 PPM AROMATIC HC STD3



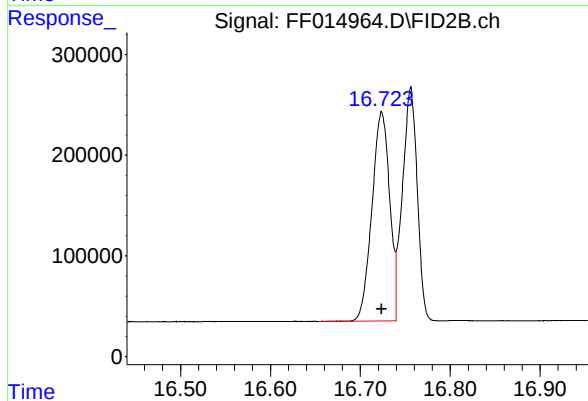
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.165 min
Delta R.T.: 0.000 min
Response: 2753408
Conc: 20.00 ug/ml



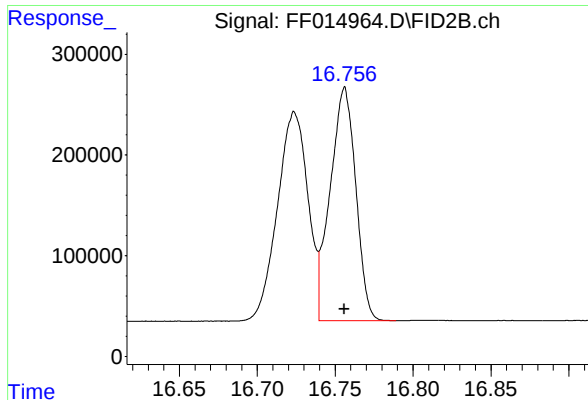
#15 Chrysene (C27.41)

R.T.: 15.209 min
Delta R.T.: 0.000 min
Response: 2791744
Conc: 20.00 ug/ml



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

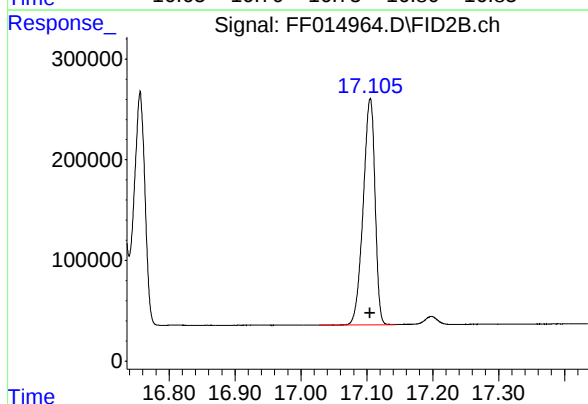
R.T.: 16.724 min
Delta R.T.: 0.000 min
Response: 2837191
Conc: 20.00 ug/ml



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

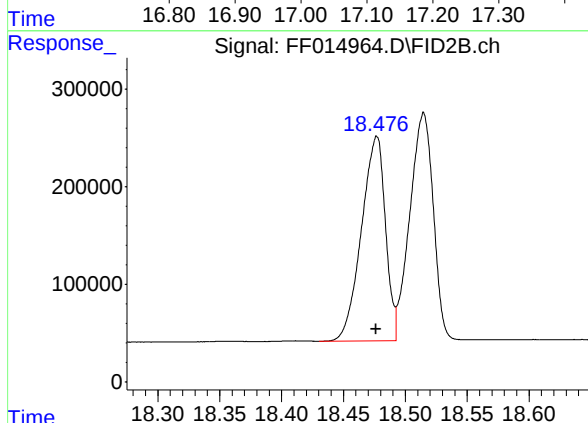
R.T.: 16.756 min
Delta R.T.: 0.000 min
Response: 2654525
Conc: 20.00 ug/ml

Instrument :
FID_F
ClientSampleId :
20 PPM AROMATIC HC STD3



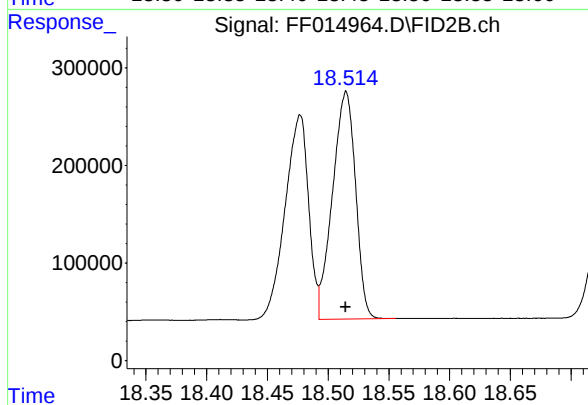
#18 Benzo[a]pyrene (C31.34)

R.T.: 17.105 min
Delta R.T.: 0.000 min
Response: 2806782
Conc: 20.00 ug/ml



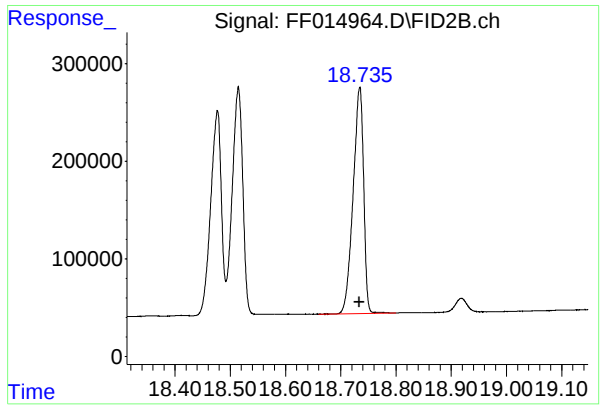
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.476 min
Delta R.T.: 0.000 min
Response: 2822651
Conc: 20.00 ug/ml



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

R.T.: 18.514 min
Delta R.T.: 0.000 min
Response: 3073773
Conc: 20.00 ug/ml



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

R.T.: 18.734 min
Delta R.T.: 0.000 min
Response: 3065149
Conc: 20.00 ug/ml

Instrument :
FID_F
ClientSampleId :
20 PPM AROMATIC HC STD3

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF110724AR\
Data File : FF014964.D
Signal(s) : FID2B.ch
Acq On : 07 Nov 2024 18:46
Sample : 20 PPM AROMATIC HC STD3
Misc :
ALS Vial : 33 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 110724.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	4.614	4.551	4.672	BB	327924	3167074	96.93%	5.179%
2	6.279	6.221	6.314	BV	339922	3254087	99.60%	5.321%
3	7.373	7.329	7.446	BB	335383	3267320	100.00%	5.343%
4	7.997	7.962	8.057	BB	283560	2766167	84.66%	4.524%
5	8.673	8.631	8.731	BB	320731	3155839	96.59%	5.161%
6	8.872	8.812	8.941	BV	186201	1852016	56.68%	3.029%
7	8.972	8.941	9.029	VB	317705	3150804	96.43%	5.153%
8	9.761	9.724	9.816	BB	303953	3075611	94.13%	5.030%
9	11.167	11.064	11.207	BV	284399	3007153	92.04%	4.918%
10	11.242	11.207	11.297	VV	267923	2845179	87.08%	4.653%
11	11.933	11.861	11.987	BB	285145	3054141	93.48%	4.994%
12	12.987	12.944	13.019	VB	259372	2892760	88.54%	4.731%
13	13.287	13.226	13.319	BV	253873	2856862	87.44%	4.672%
14	15.165	15.117	15.186	BV	221605	2753408	84.27%	4.503%
15	15.209	15.186	15.264	VB	244280	2791744	85.44%	4.565%
16	16.724	16.654	16.740	BV	207727	2837191	86.84%	4.640%
17	16.756	16.740	16.789	VV	231224	2654525	81.24%	4.341%
18	17.105	17.027	17.144	BV	225711	2806782	85.90%	4.590%
19	18.476	18.430	18.492	PV	208764	2822651	86.39%	4.616%
20	18.514	18.492	18.556	VB	232743	3073773	94.08%	5.027%
21	18.734	18.661	18.800	BBA	231560	3065149	93.81%	5.012%
Sum of corrected areas:							61150237	

Aromatic EPH 110724.M Fri Nov 08 08:58:19 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF110724AR\
 Data File : FF014965.D
 Signal(s) : FID2B.ch
 Acq On : 07 Nov 2024 19:15
 Operator : YP\AJ
 Sample : 10 PPM AROMATIC HC STD4
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 FID_F
 ClientSampleId :
 10 PPM AROMATIC HC STD4

Integration File: autoint1.e
 Quant Time: Nov 08 08:45:15 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 110724.M
 Quant Title : GC Extractables
 QLast Update : Fri Nov 08 08:43:02 2024
 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...	7.996	1369564	9.902 ug/ml
Spiked Amount 50.000		Recovery =	19.80%
6) S 2-Fluorobiphenyl (SURR)	8.871	918407	9.918 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	19.84%
11) S ortho-Terphenyl (SURR)	11.932	1520285	9.956 ug/ml
Spiked Amount 50.000		Recovery =	19.91%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.614	1565211	9.884 ug/ml
2) T Naphthalene (C11.7)	6.279	1620311	9.959 ug/ml
3) T 2-Methylnaphthalene (...)	7.372	1613640	9.877 ug/ml
5) T Acenaphthylene (C15.06)	8.672	1567965	9.937 ug/ml
7) T Acenaphthene (C15.5)	8.970	1564614	9.932 ug/ml
8) T Fluorene (C16.55)	9.759	1530864	9.955 ug/ml
9) T Phenanthrene (C19.36)	11.165	1491720	9.921 ug/ml
10) T Anthracene (C19.43)	11.240	1420516	9.985 ug/ml
12) T Fluoranthene (C21.85)	12.986	1437780	9.941 ug/ml
13) T Pyrene (C20.8)	13.284	1414183	9.900 ug/ml
14) T Benzo[a]anthracene (C...	15.163	1372181	9.967 ug/ml
15) T Chrysene (C27.41)	15.204	1398430	10.018 ug/ml
16) T benzo[b]fluoranthene ...	16.720	1409539	9.936 ug/ml
17) T Bnezo[k]fluoranthene ...	16.751	1325553	9.987 ug/ml
18) T Benzo[a]pyrene (C31.34)	17.100	1395587	9.944 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.470	1392923	9.870 ug/ml
20) T Dibenz[a,h]anthracene...	18.510	1565656	10.187 ug/ml
21) T Benzo[g,h,i]perylene ...	18.726	1493053	9.742 ug/ml

(f)=RT Delta > 1/2 Window

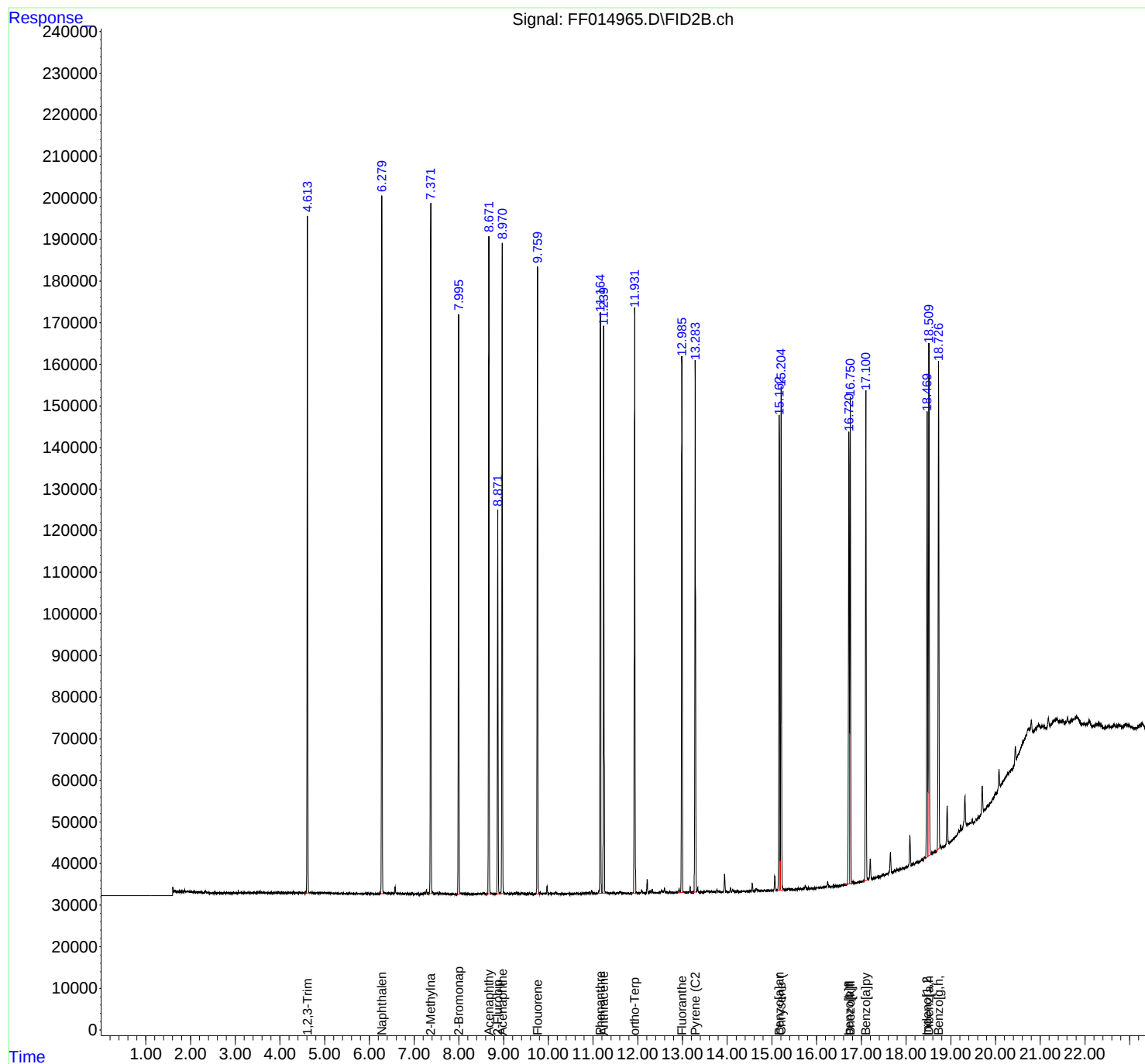
(m)=manual int.

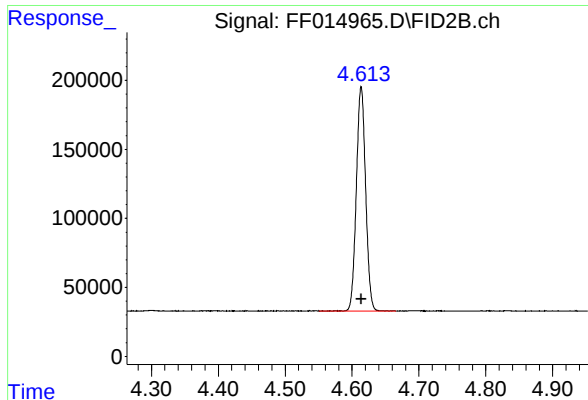
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF110724AR\
Data File : FF014965.D
Signal(s) : FID2B.ch
Acq On : 07 Nov 2024 19:15
Operator : YP\AJ
Sample : 10 PPM AROMATIC HC STD4
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
10 PPM AROMATIC HC STD4

Integration File: autoint1.e
Quant Time: Nov 08 08:45:15 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 110724.M
Quant Title : GC Extractables
QLast Update : Fri Nov 08 08:43:02 2024
Response via : Initial Calibration
Integrator: ChemStation

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

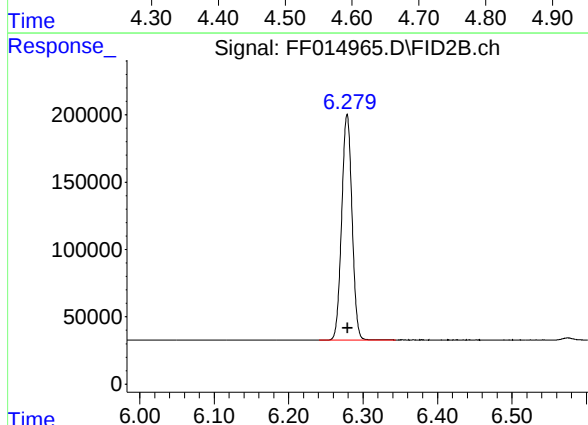




#1 1,2,3-Trimethylbenzene (C10.1)

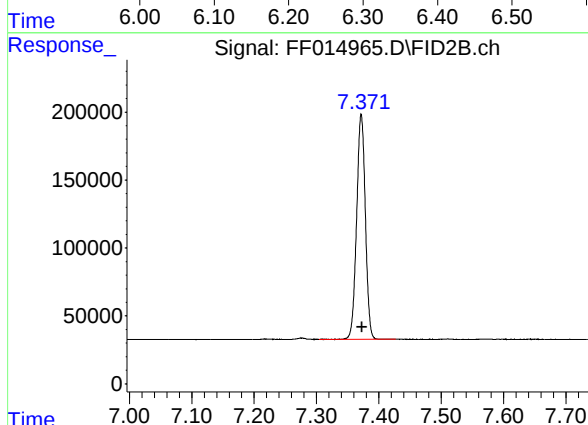
R.T.: 4.614 min
Delta R.T.: 0.000 min
Response: 1565211
Conc: 9.88 ug/ml

Instrument :
FID_F
ClientSampleId :
10 PPM AROMATIC HC STD4



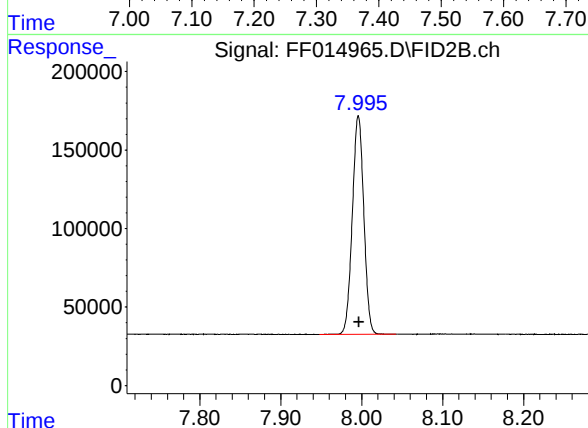
#2 Naphthalene (C11.7)

R.T.: 6.279 min
Delta R.T.: 0.000 min
Response: 1620311
Conc: 9.96 ug/ml



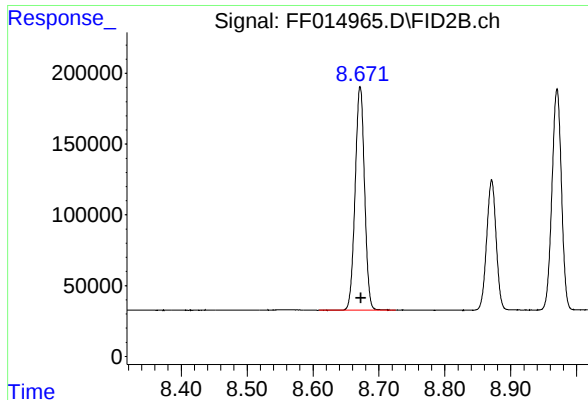
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.372 min
Delta R.T.: 0.000 min
Response: 1613640
Conc: 9.88 ug/ml



#4 2-Bromonaphthalene (SURR)

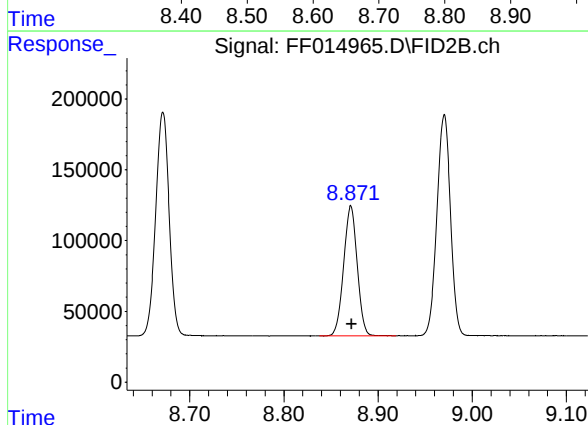
R.T.: 7.996 min
Delta R.T.: 0.000 min
Response: 1369564
Conc: 9.90 ug/ml



#5 Acenaphthylene (C15.06)

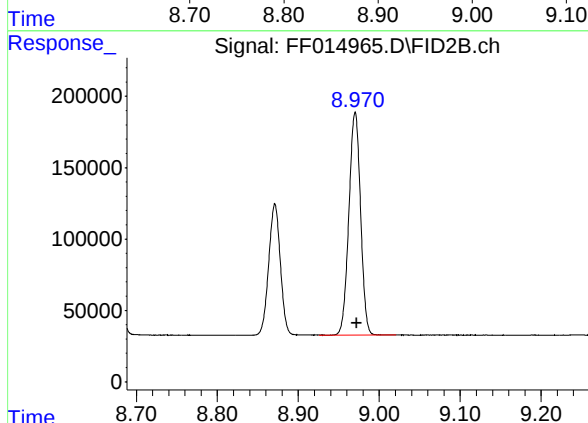
R.T.: 8.672 min
Delta R.T.: -0.001 min
Response: 1567965
Conc: 9.94 ug/ml

Instrument :
FID_F
ClientSampleId :
10 PPM AROMATIC HC STD4



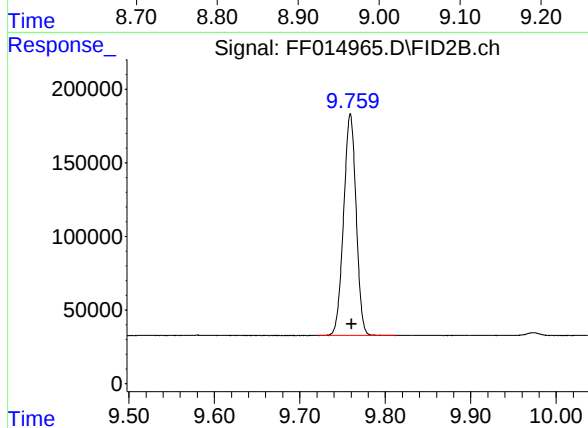
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.871 min
Delta R.T.: 0.000 min
Response: 918407
Conc: 9.92 ug/ml



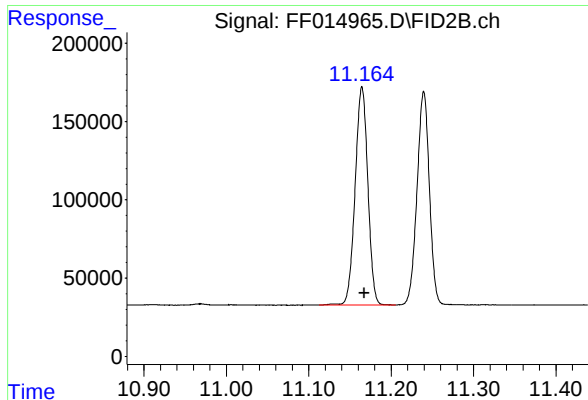
#7 Acenaphthene (C15.5)

R.T.: 8.970 min
Delta R.T.: -0.002 min
Response: 1564614
Conc: 9.93 ug/ml



#8 Flouorene (C16.55)

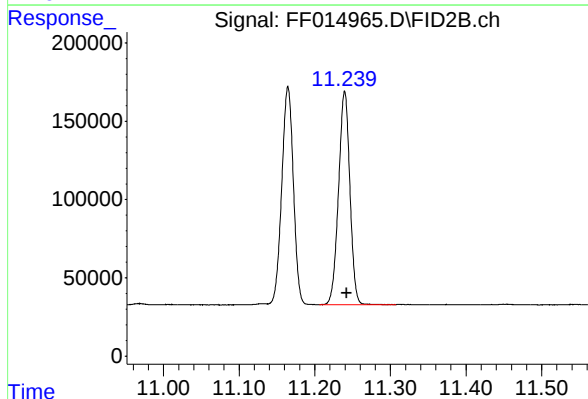
R.T.: 9.759 min
Delta R.T.: -0.001 min
Response: 1530864
Conc: 9.95 ug/ml



#9 Phenanthrene (C19.36)

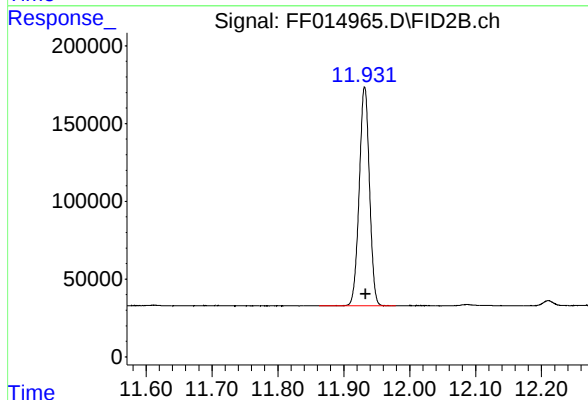
R.T.: 11.165 min
Delta R.T.: -0.003 min
Response: 1491720
Conc: 9.92 ug/ml

Instrument :
FID_F
ClientSampleId :
10 PPM AROMATIC HC STD4



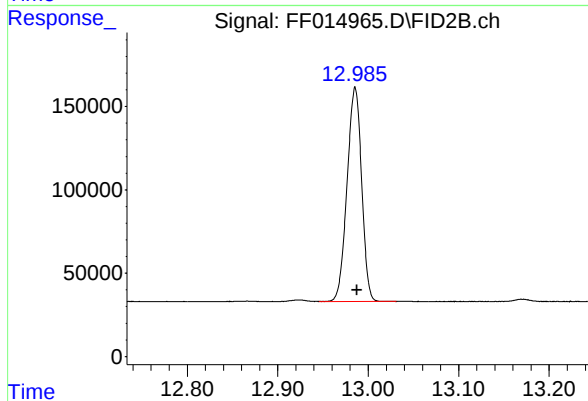
#10 Anthracene (C19.43)

R.T.: 11.240 min
Delta R.T.: -0.003 min
Response: 1420516
Conc: 9.99 ug/ml



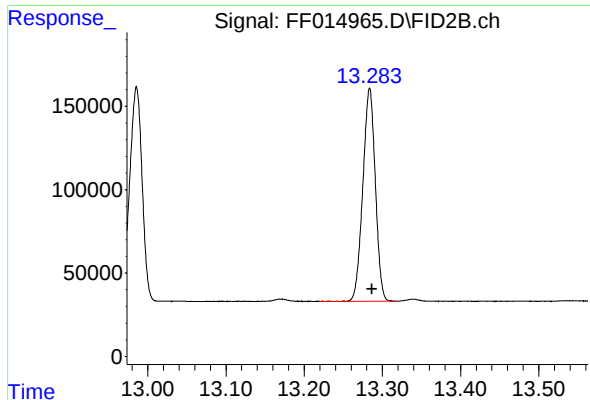
#11 ortho-Terphenyl (SURR)

R.T.: 11.932 min
Delta R.T.: -0.002 min
Response: 1520285
Conc: 9.96 ug/ml



#12 Fluoranthene (C21.85)

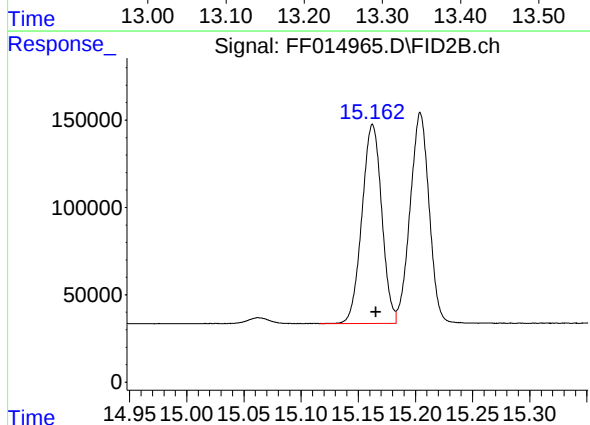
R.T.: 12.986 min
Delta R.T.: -0.002 min
Response: 1437780
Conc: 9.94 ug/ml



#13 Pyrene (C20.8)

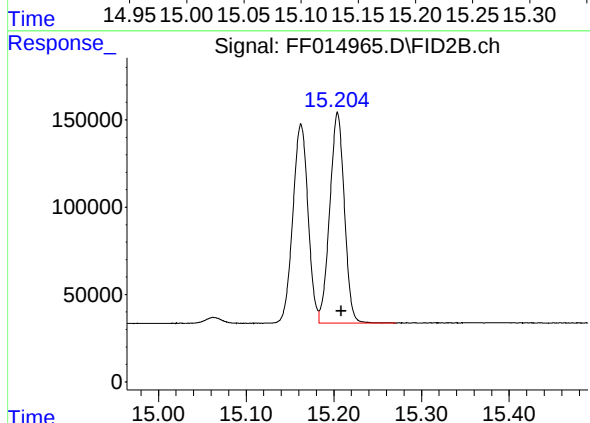
R.T.: 13.284 min
Delta R.T.: -0.003 min
Response: 1414183
Conc: 9.90 ug/ml

Instrument :
FID_F
ClientSampleId :
10 PPM AROMATIC HC STD4



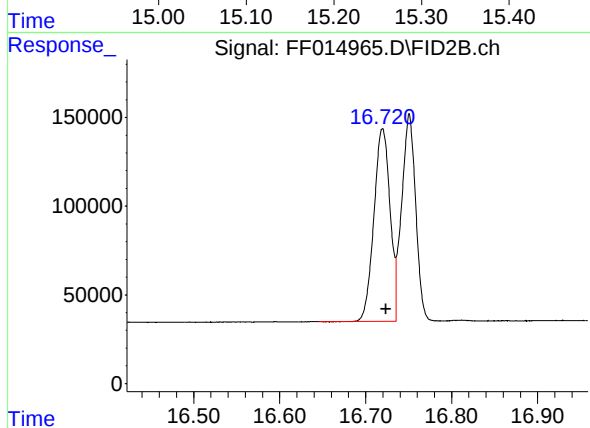
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.163 min
Delta R.T.: -0.003 min
Response: 1372181
Conc: 9.97 ug/ml



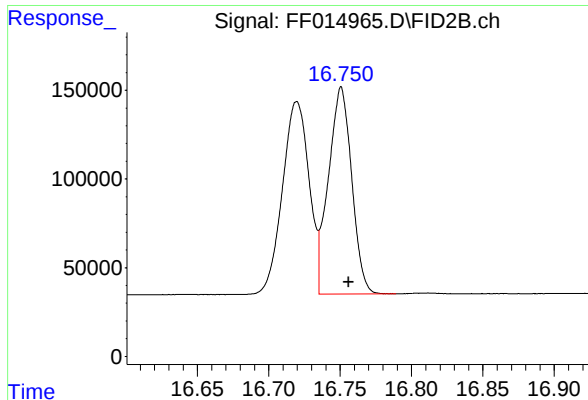
#15 Chrysene (C27.41)

R.T.: 15.204 min
Delta R.T.: -0.005 min
Response: 1398430
Conc: 10.02 ug/ml



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

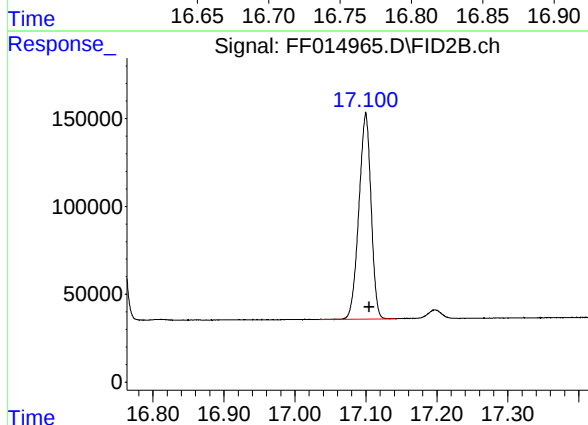
R.T.: 16.720 min
Delta R.T.: -0.004 min
Response: 1409539
Conc: 9.94 ug/ml



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

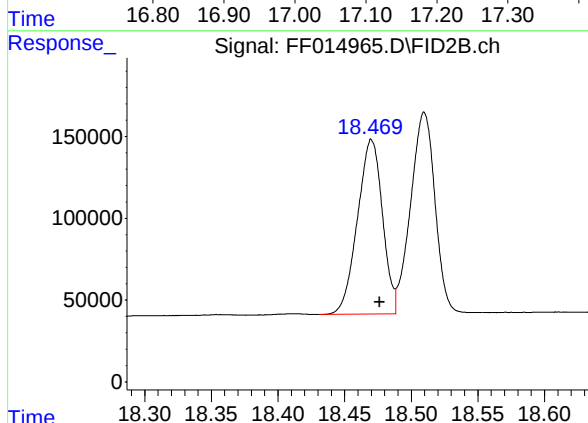
R.T.: 16.751 min
Delta R.T.: -0.005 min
Response: 1325553
Conc: 9.99 ug/ml

Instrument :
FID_F
ClientSampleId :
10 PPM AROMATIC HC STD4



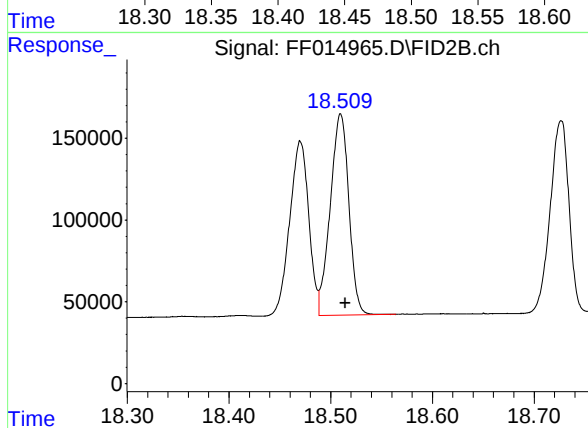
#18 Benzo[a]pyrene (C31.34)

R.T.: 17.100 min
Delta R.T.: -0.005 min
Response: 1395587
Conc: 9.94 ug/ml



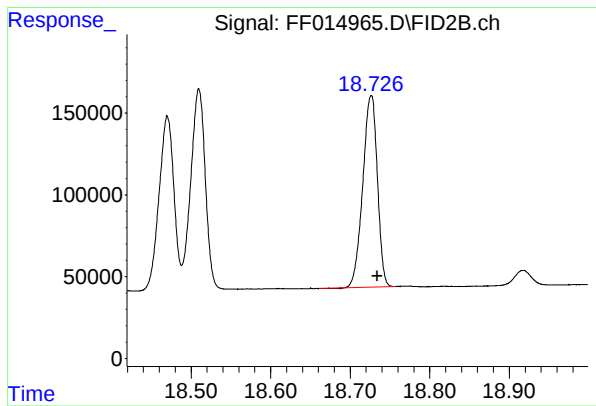
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.470 min
Delta R.T.: -0.006 min
Response: 1392923
Conc: 9.87 ug/ml



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

R.T.: 18.510 min
Delta R.T.: -0.005 min
Response: 1565656
Conc: 10.19 ug/ml



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

R.T.: 18.726 min
Delta R.T.: -0.008 min
Response: 1493053
Conc: 9.74 ug/ml

Instrument :
FID_F
ClientSampleId :
10 PPM AROMATIC HC STD4

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF110724AR\
Data File : FF014965.D
Signal(s) : FID2B.ch
Acq On : 07 Nov 2024 19:15
Sample : 10 PPM AROMATIC HC STD4
Misc :
ALS Vial : 34 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 110724.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	4.614	4.551	4.666	BB	162694	1565211	96.60%	5.151%
2	6.279	6.241	6.344	BB	168131	1620311	100.00%	5.332%
3	7.372	7.304	7.427	BB	165510	1613640	99.59%	5.310%
4	7.996	7.947	8.042	BB	139234	1369564	84.52%	4.507%
5	8.672	8.609	8.726	BB	158234	1567965	96.77%	5.160%
6	8.871	8.837	8.919	BB	92088	918407	56.68%	3.022%
7	8.970	8.926	9.021	BB	156697	1564614	96.56%	5.149%
8	9.759	9.722	9.812	BB	150469	1530864	94.48%	5.038%
9	11.165	11.112	11.206	BV	139291	1491720	92.06%	4.909%
10	11.240	11.206	11.307	VB	136195	1420516	87.67%	4.675%
11	11.932	11.862	11.979	BB	140723	1520285	93.83%	5.003%
12	12.986	12.946	13.031	VB	128913	1437780	88.73%	4.731%
13	13.284	13.219	13.317	BV	128165	1414183	87.28%	4.654%
14	15.163	15.116	15.183	BV	114139	1372181	84.69%	4.516%
15	15.204	15.183	15.271	VB	120890	1398430	86.31%	4.602%
16	16.720	16.646	16.735	BV	108628	1409539	86.99%	4.638%
17	16.751	16.735	16.789	VV	116981	1325553	81.81%	4.362%
18	17.100	17.034	17.142	BV	116655	1395587	86.13%	4.593%
19	18.470	18.431	18.488	PV	106391	1392923	85.97%	4.584%
20	18.510	18.488	18.564	VB	123136	1565656	96.63%	5.152%
21	18.726	18.661	18.757	BV	117208	1493053	92.15%	4.913%
Sum of corrected areas:							30387981	

Aromatic EPH 110724.M Fri Nov 08 08:58:41 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF110724AR\
 Data File : FF014966.D
 Signal(s) : FID2B.ch
 Acq On : 07 Nov 2024 19:43
 Operator : YP\AJ
 Sample : 5 PPM AROMATIC HC STD5
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 FID_F
 ClientSampleId :
 5 PPM AROMATIC HC STD5

Integration File: autoint1.e
 Quant Time: Nov 08 08:45:24 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 110724.M
 Quant Title : GC Extractables
 QLast Update : Fri Nov 08 08:43:02 2024
 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...	7.995	683331	4.941 ug/ml
Spiked Amount 50.000		Recovery =	9.88%
6) S 2-Fluorobiphenyl (SURR)	8.870	455230	4.916 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	9.83%
11) S ortho-Terphenyl (SURR)	11.931	761522	4.987 ug/ml
Spiked Amount 50.000		Recovery =	9.97%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.614	784905	4.957 ug/ml
2) T Naphthalene (C11.7)	6.278	805649	4.952 ug/ml
3) T 2-Methylnaphthalene (...)	7.371	801496	4.906 ug/ml
5) T Acenaphthylene (C15.06)	8.671	780019	4.943 ug/ml
7) T Acenaphthene (C15.5)	8.969	778258	4.940 ug/ml
8) T Fluorene (C16.55)	9.758	760561	4.946 ug/ml
9) T Phenanthrene (C19.36)	11.164	744809	4.954 ug/ml
10) T Anthracene (C19.43)	11.239	709953	4.991 ug/ml
12) T Fluoranthene (C21.85)	12.984	722410	4.995 ug/ml
13) T Pyrene (C20.8)	13.283	713202	4.993 ug/ml
14) T Benzo[a]anthracene (C...	15.161	702023	5.099 ug/ml
15) T Chrysene (C27.41)	15.203	724398	5.190 ug/ml
16) T benzo[b]fluoranthene ...	16.718	724657	5.108 ug/ml
17) T Bnezo[k]fluoranthene ...	16.748	681476	5.134 ug/ml
18) T Benzo[a]pyrene (C31.34)	17.097	709634	5.057 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.466	710611	5.035 ug/ml
20) T Dibenz[a,h]anthracene...	18.507	854046	5.557 ug/ml
21) T Benzo[g,h,i]perylene ...	18.722	759135	4.953 ug/ml

(f)=RT Delta > 1/2 Window

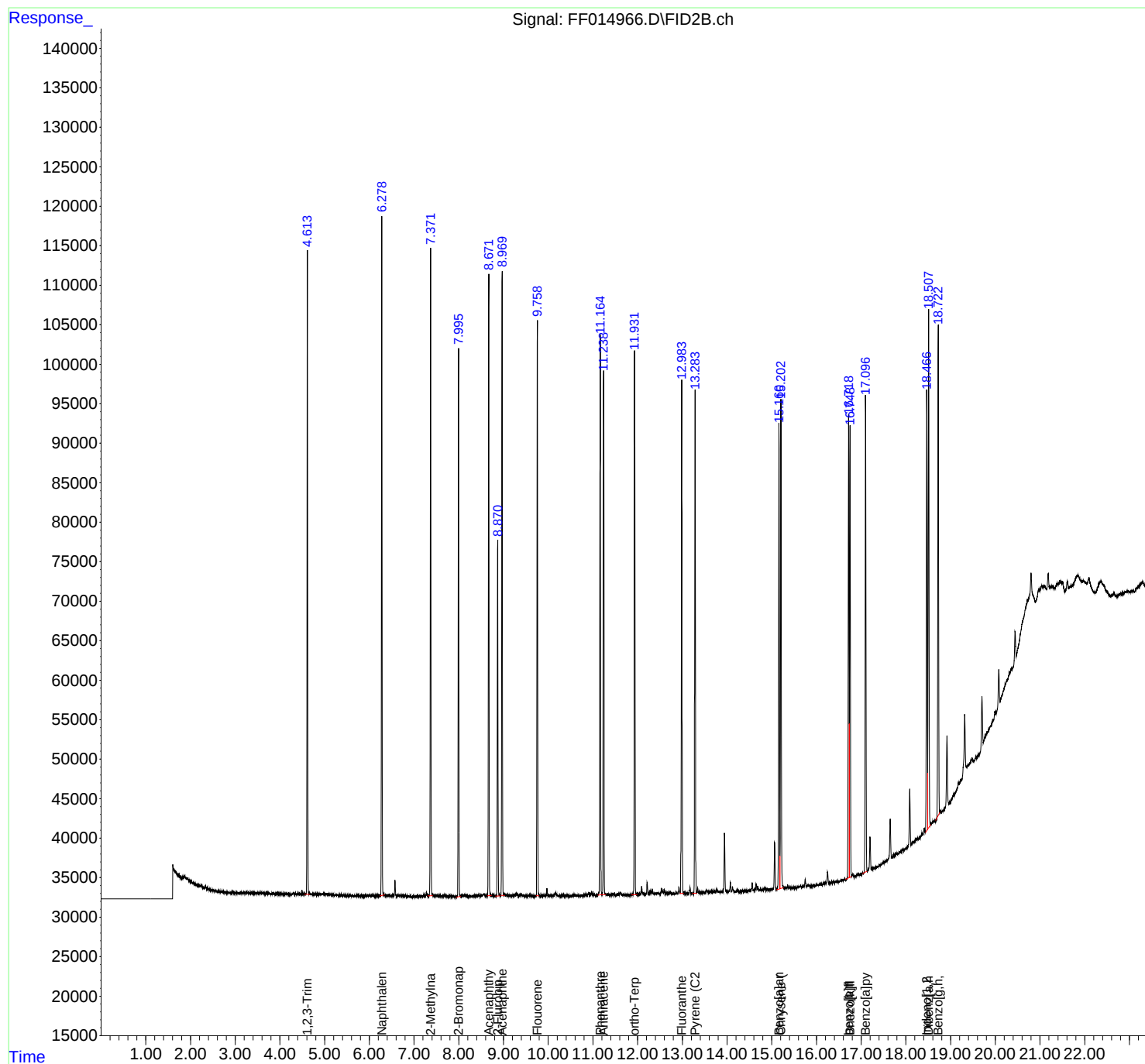
(m)=manual int.

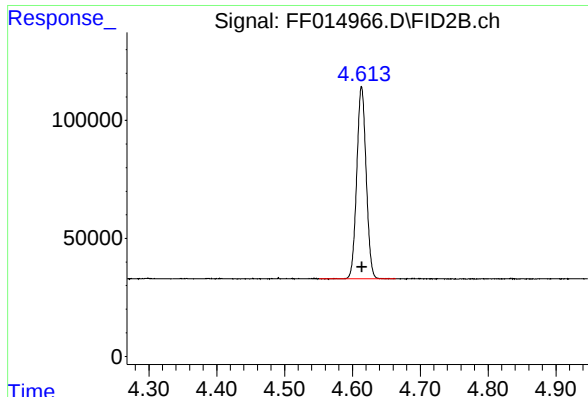
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF110724AR\
Data File : FF014966.D
Signal(s) : FID2B.ch
Acq On : 07 Nov 2024 19:43
Operator : YP\AJ
Sample : 5 PPM AROMATIC HC STD5
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
5 PPM AROMATIC HC STD5

Integration File: autoint1.e
Quant Time: Nov 08 08:45:24 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 110724.M
Quant Title : GC Extractables
QLast Update : Fri Nov 08 08:43:02 2024
Response via : Initial Calibration
Integrator: ChemStation

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

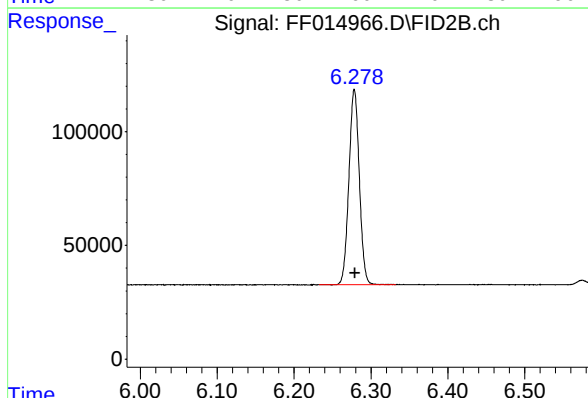




#1 1,2,3-Trimethylbenzene (C10.1)

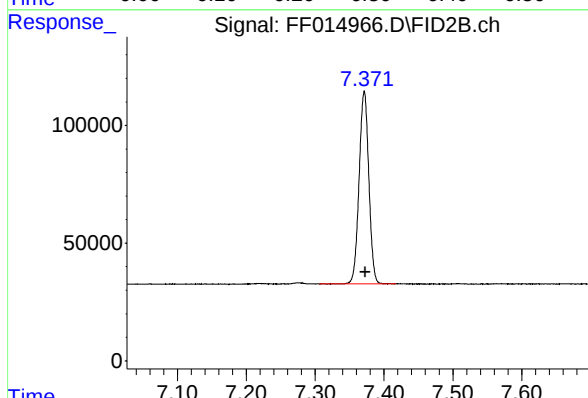
R.T.: 4.614 min
Delta R.T.: 0.000 min
Response: 784905
Conc: 4.96 ug/ml

Instrument :
FID_F
ClientSampleId :
5 PPM AROMATIC HC STD5



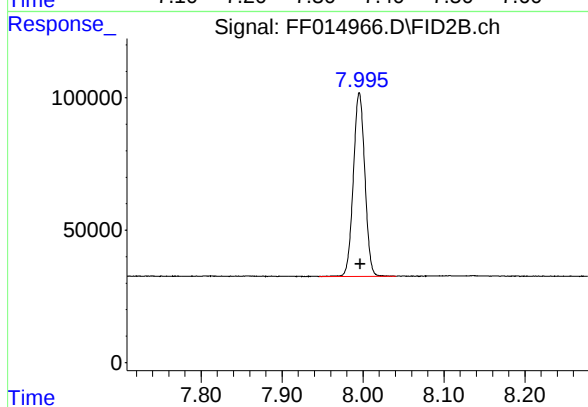
#2 Naphthalene (C11.7)

R.T.: 6.278 min
Delta R.T.: 0.000 min
Response: 805649
Conc: 4.95 ug/ml



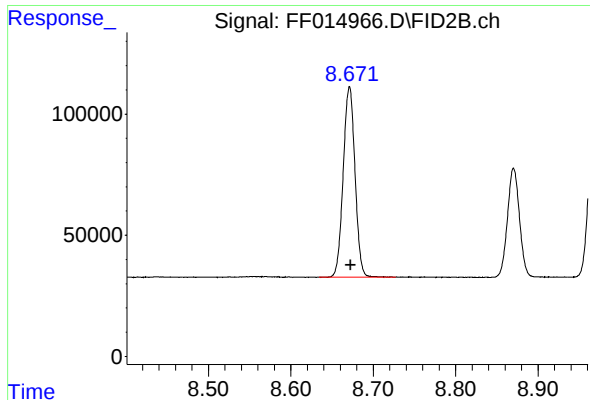
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.371 min
Delta R.T.: -0.002 min
Response: 801496
Conc: 4.91 ug/ml



#4 2-Bromonaphthalene (SURR)

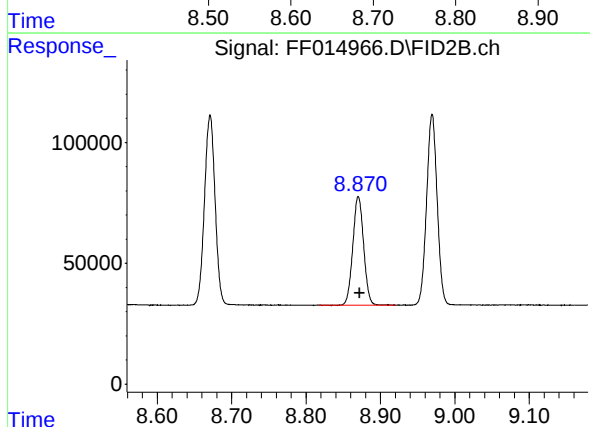
R.T.: 7.995 min
Delta R.T.: -0.001 min
Response: 683331
Conc: 4.94 ug/ml



#5 Acenaphthylene (C15.06)

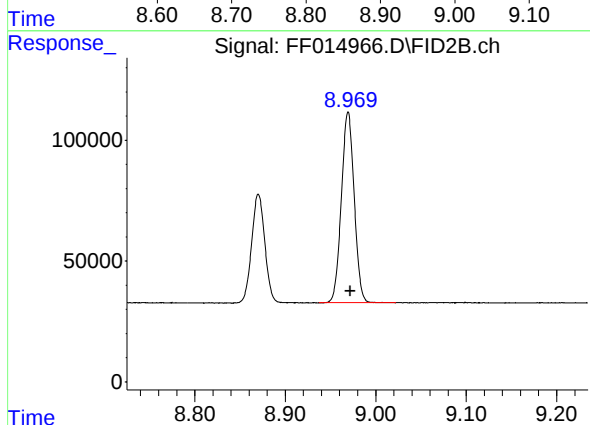
R.T.: 8.671 min
Delta R.T.: -0.002 min
Response: 780019
Conc: 4.94 ug/ml

Instrument :
FID_F
ClientSampleId :
5 PPM AROMATIC HC STD5



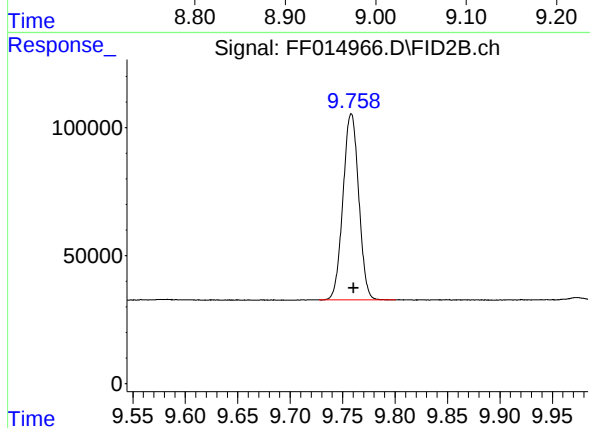
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.870 min
Delta R.T.: -0.002 min
Response: 455230
Conc: 4.92 ug/ml



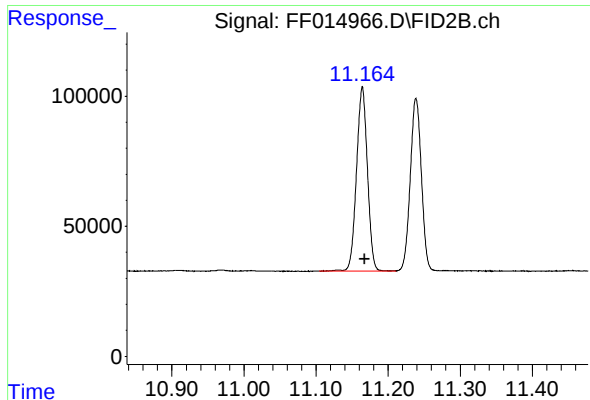
#7 Acenaphthene (C15.5)

R.T.: 8.969 min
Delta R.T.: -0.002 min
Response: 778258
Conc: 4.94 ug/ml



#8 Flouorene (C16.55)

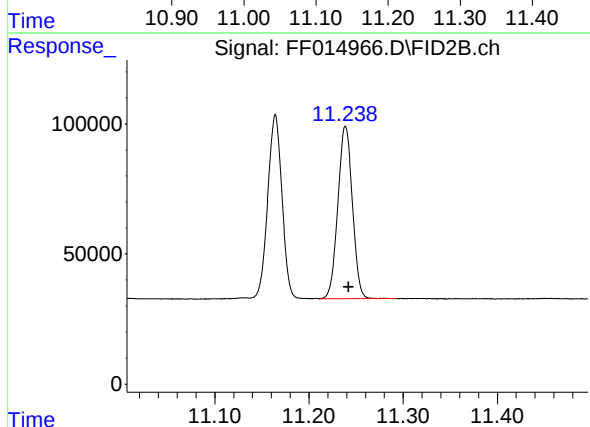
R.T.: 9.758 min
Delta R.T.: -0.002 min
Response: 760561
Conc: 4.95 ug/ml



#9 Phenanthrene (C19.36)

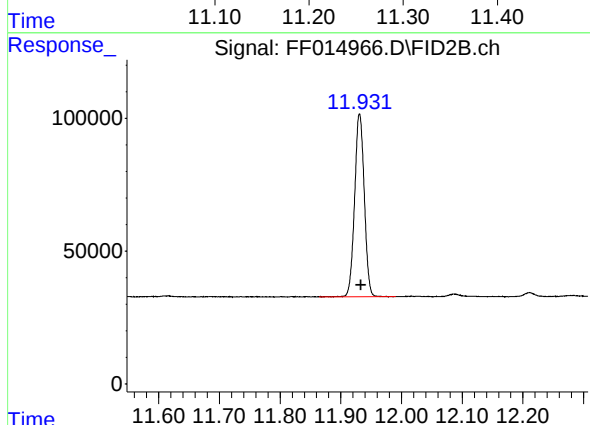
R.T.: 11.164 min
Delta R.T.: -0.003 min
Response: 744809
Conc: 4.95 ug/ml

Instrument :
FID_F
ClientSampleId :
5 PPM AROMATIC HC STD5



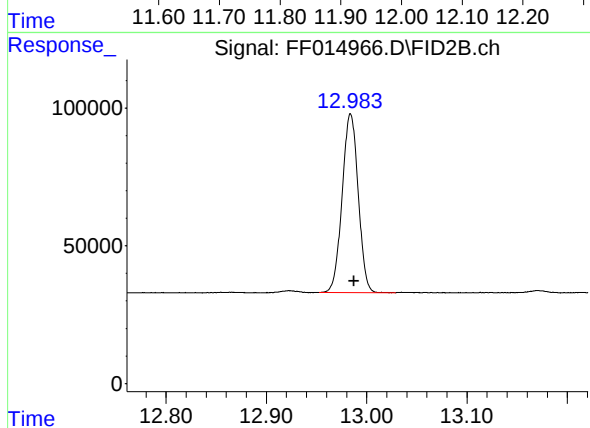
#10 Anthracene (C19.43)

R.T.: 11.239 min
Delta R.T.: -0.003 min
Response: 709953
Conc: 4.99 ug/ml



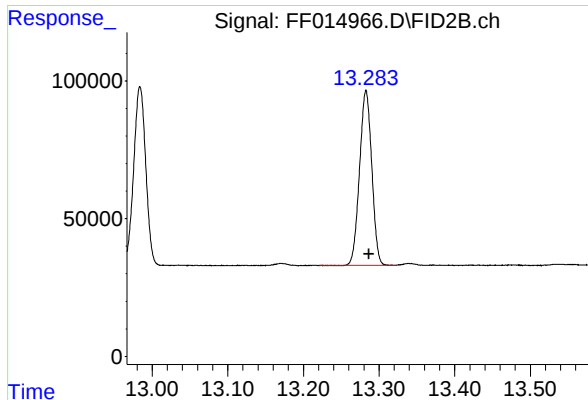
#11 ortho-Terphenyl (SURRE)

R.T.: 11.931 min
Delta R.T.: -0.002 min
Response: 761522
Conc: 4.99 ug/ml



#12 Fluoranthene (C21.85)

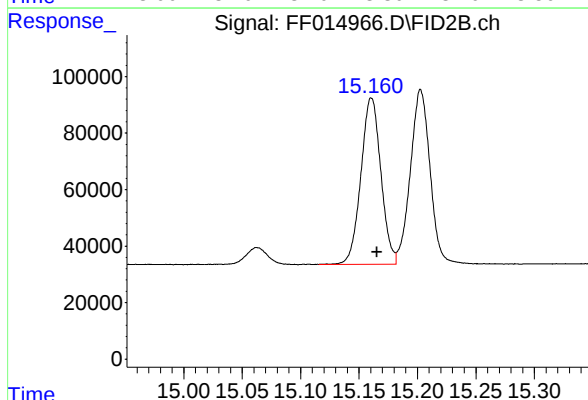
R.T.: 12.984 min
Delta R.T.: -0.003 min
Response: 722410
Conc: 4.99 ug/ml



#13 Pyrene (C20.8)

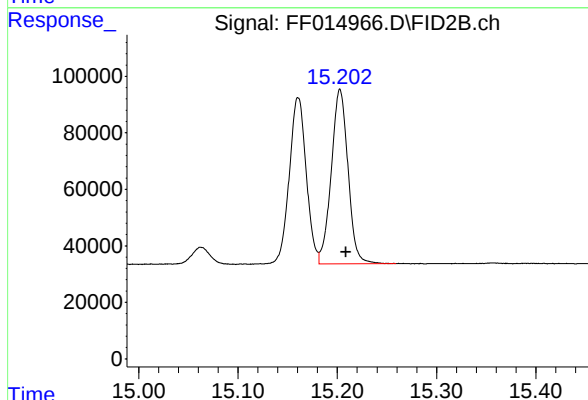
R.T.: 13.283 min
Delta R.T.: -0.004 min
Response: 713202
Conc: 4.99 ug/ml

Instrument :
FID_F
ClientSampleId :
5 PPM AROMATIC HC STD5



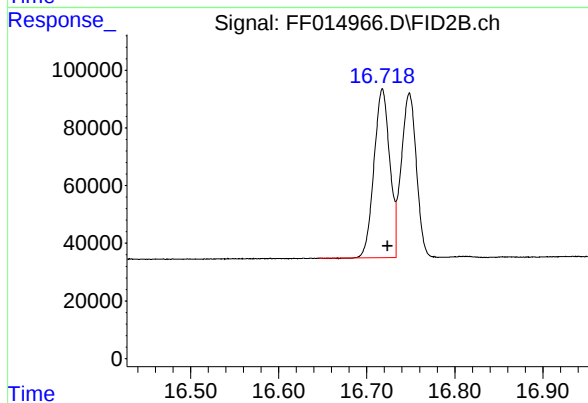
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.161 min
Delta R.T.: -0.005 min
Response: 702023
Conc: 5.10 ug/ml



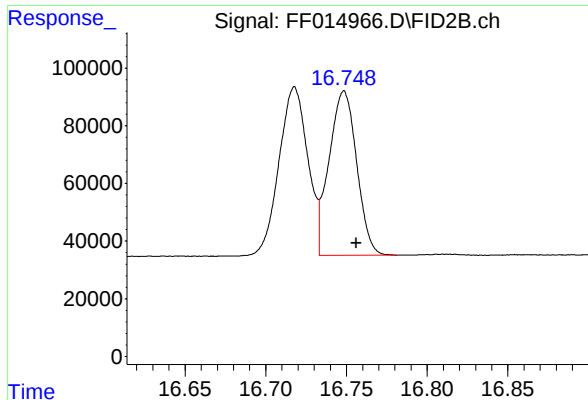
#15 Chrysene (C27.41)

R.T.: 15.203 min
Delta R.T.: -0.006 min
Response: 724398
Conc: 5.19 ug/ml



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

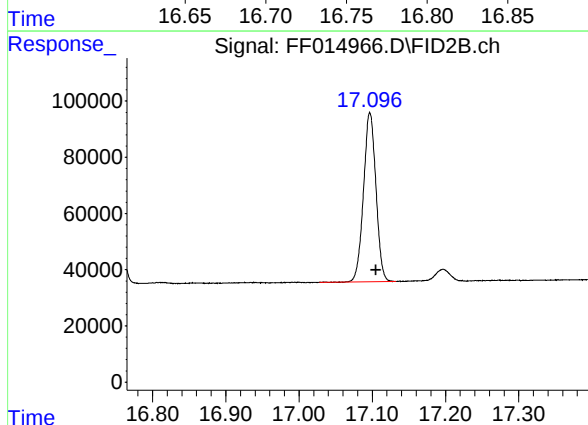
R.T.: 16.718 min
Delta R.T.: -0.006 min
Response: 724657
Conc: 5.11 ug/ml



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

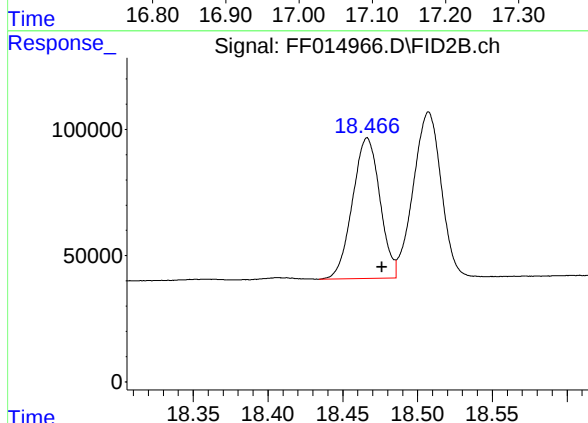
R.T.: 16.748 min
Delta R.T.: -0.008 min
Response: 681476
Conc: 5.13 ug/ml

Instrument :
FID_F
ClientSampleId :
5 PPM AROMATIC HC STD5



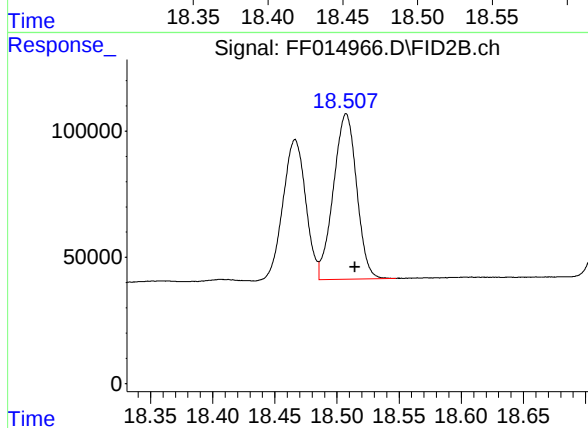
#18 Benzo[a]pyrene (C31.34)

R.T.: 17.097 min
Delta R.T.: -0.008 min
Response: 709634
Conc: 5.06 ug/ml



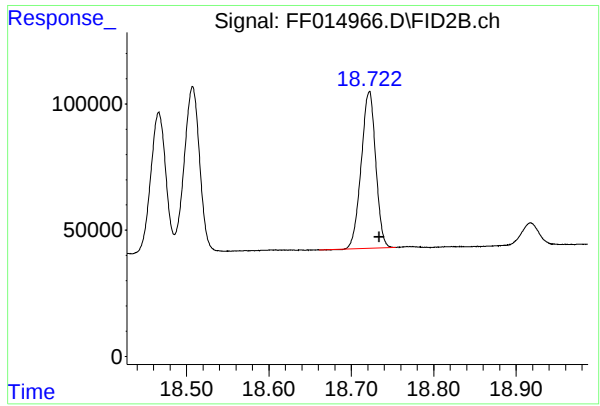
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.466 min
Delta R.T.: -0.010 min
Response: 710611
Conc: 5.04 ug/ml



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

R.T.: 18.507 min
Delta R.T.: -0.007 min
Response: 854046
Conc: 5.56 ug/ml



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

R.T.: 18.722 min
Delta R.T.: -0.012 min
Response: 759135
Conc: 4.95 ug/ml

Instrument :

FID_F

ClientSampleId :

5 PPM AROMATIC HC STD5

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF110724AR\
Data File : FF014966.D
Signal(s) : FID2B.ch
Acq On : 07 Nov 2024 19:43
Sample : 5 PPM AROMATIC HC STD5
Misc :
ALS Vial : 35 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 110724.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	4.614	4.551	4.664	BB	81313	784905	91.90%	5.108%
2	6.278	6.232	6.332	BB	85835	805649	94.33%	5.243%
3	7.371	7.306	7.417	BB	81664	801496	93.85%	5.216%
4	7.996	7.946	8.041	BB	69355	683331	80.01%	4.447%
5	8.671	8.634	8.727	BB	78582	780019	91.33%	5.076%
6	8.870	8.817	8.921	BB	44886	455230	53.30%	2.962%
7	8.969	8.937	9.022	BB	78905	778258	91.13%	5.064%
8	9.758	9.727	9.801	BB	72943	760561	89.05%	4.949%
9	11.164	11.104	11.211	BV	70881	744809	87.21%	4.847%
10	11.239	11.211	11.292	VB	66143	709953	83.13%	4.620%
11	11.931	11.864	11.991	BB	68889	761522	89.17%	4.955%
12	12.984	12.952	13.029	BB	64927	722410	84.59%	4.701%
13	13.283	13.221	13.322	BV	63564	713202	83.51%	4.641%
14	15.161	15.116	15.182	BV	58956	702023	82.20%	4.568%
15	15.203	15.182	15.259	VB	61900	724398	84.82%	4.714%
16	16.718	16.646	16.733	BV	58536	724657	84.85%	4.716%
17	16.748	16.733	16.781	VV	57282	681476	79.79%	4.435%
18	17.097	17.027	17.132	BB	60034	709634	83.09%	4.618%
19	18.466	18.434	18.486	PV	55713	710611	83.21%	4.624%
20	18.507	18.486	18.547	VV	65711	854046	100.00%	5.558%
21	18.722	18.661	18.754	BV	62494	759135	88.89%	4.940%
Sum of corrected areas:							15367326	

Aromatic EPH 110724.M Fri Nov 08 08:59:01 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF110724AR\
 Data File : FF014967.D
 Signal(s) : FID2B.ch
 Acq On : 07 Nov 2024 20:11
 Operator : YP\AJ
 Sample : 20 PPM AROMATIC HC STD ICV
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 FID_F
 ClientSampleId :
 20 PPM AROMATIC HC STD ICV

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/08/2024
 Supervised By :Ankita Jodhani 11/08/2024

Integration File: autoint1.e
 Quant Time: Nov 08 08:50:37 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 110724.M
 Quant Title : GC Extractables
 QLast Update : Fri Nov 08 08:49:17 2024
 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...	7.996	2677459	20.119 ug/ml
Spiked Amount 50.000		Recovery =	40.24%
6) S 2-Fluorobiphenyl (SURR)	8.872	1788884	20.057 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	40.11%
11) S ortho-Terphenyl (SURR)	11.933	2937292	19.943 ug/ml
Spiked Amount 50.000		Recovery =	39.89%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.613	3083180	20.258 ug/ml
2) T Naphthalene (C11.7)	6.279	3162444	20.151 ug/ml
3) T 2-Methylnaphthalene (...)	7.373	3171496	20.217 ug/ml
5) T Acenaphthylene (C15.06)	8.672	3054984	20.089 ug/ml
7) T Acenaphthene (C15.5)	8.971	3044860	20.067 ug/ml
8) T Fluorene (C16.55)	9.760	2965974	19.995 ug/ml
9) T Phenanthrene (C19.36)	11.166	2883607	19.882 ug/ml
10) T Anthracene (C19.43)	11.241	2756127	20.084 ug/ml
12) T Fluoranthene (C21.85)	12.986	2778509	19.881 ug/ml
13) T Pyrene (C20.8)	13.286	2741087	19.893 ug/ml
14) T Benzo[a]anthracene (C...	15.164	2628452	19.698 ug/ml
15) T Chrysene (C27.41)	15.207	2665304	19.633 ug/ml
16) T benzo[b]fluoranthene ...	16.723	2691646	19.581 ug/ml
17) T Bnezo[k]fluoranthene ...	16.755	2538092	19.731 ug/ml
18) T Benzo[a]pyrene (C31.34)	17.103	2679045	19.758 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.474	2668215	19.414 ug/mlm
20) T Dibenz[a,h]anthracene...	18.513	2742319	18.535 ug/ml
21) T Benzo[g,h,i]perylene ...	18.732	2893039	19.768 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF110724AR\
Data File : FF014967.D
Signal(s) : FID2B.ch
Acq On : 07 Nov 2024 20:11
Operator : YP\AJ
Sample : 20 PPM AROMATIC HC STD ICV
Misc :
ALS Vial : 36 Sample Multiplier: 1

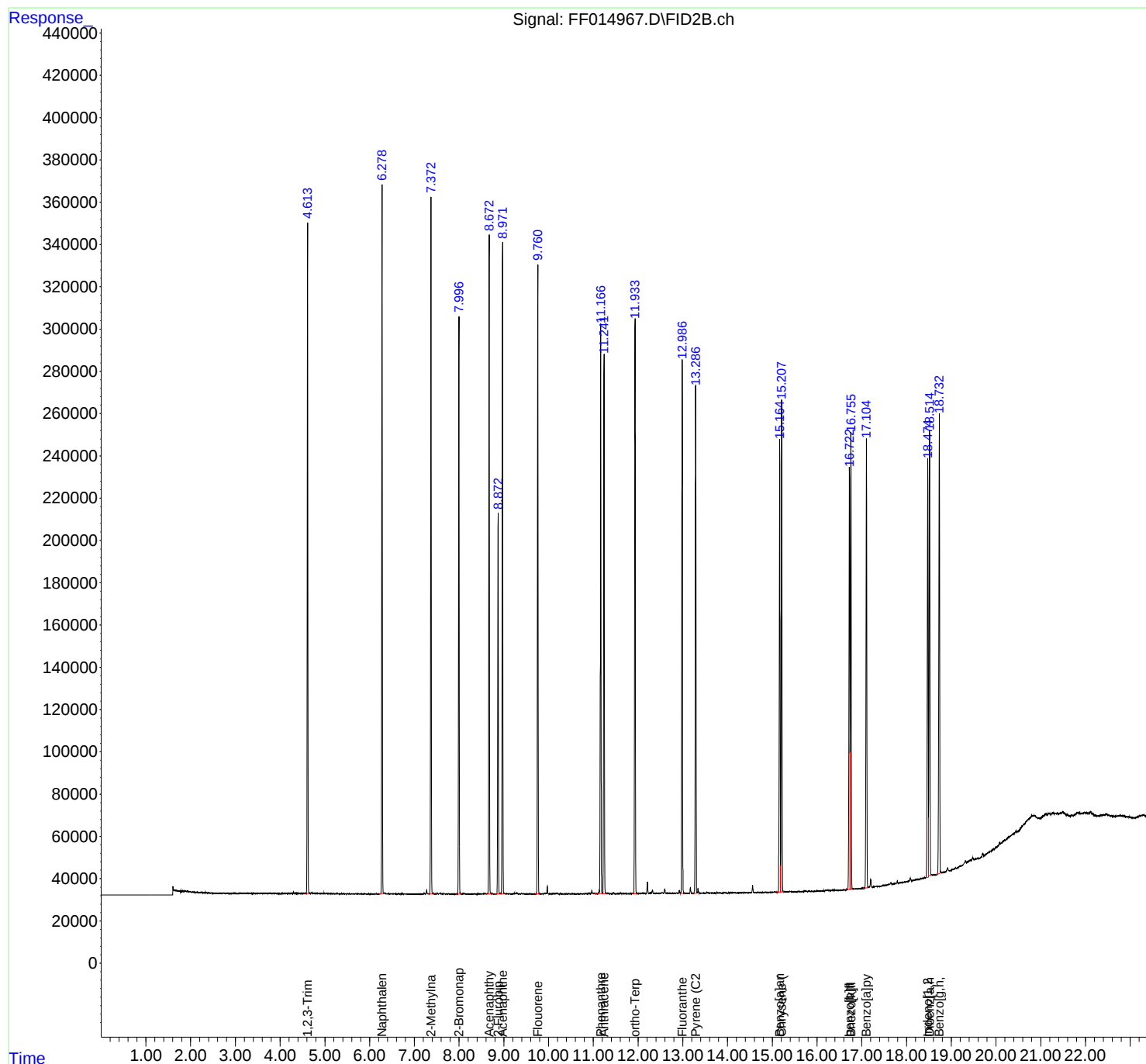
Instrument :
FID_F
ClientSampleId :
20 PPM AROMATIC HC STD ICV

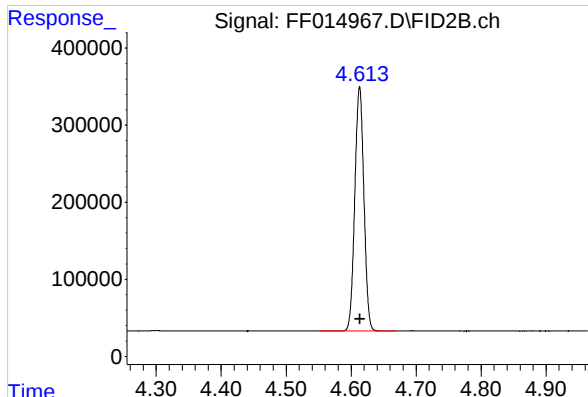
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024

Integration File: autoint1.e
Quant Time: Nov 08 08:50:37 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 110724.M
Quant Title : GC Extractables
QLast Update : Fri Nov 08 08:49:17 2024
Response via : Initial Calibration
Integrator: ChemStation

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





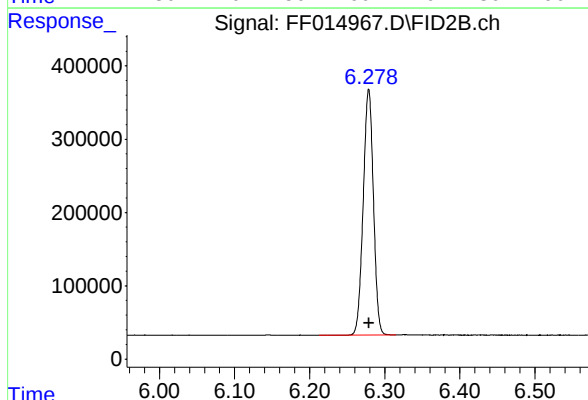
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.613 min
Delta R.T.: 0.000 min
Response: 3083180
Conc: 20.26 ug/ml

Instrument : FID_F
ClientSampleId :
20 PPM AROMATIC HC STD ICV

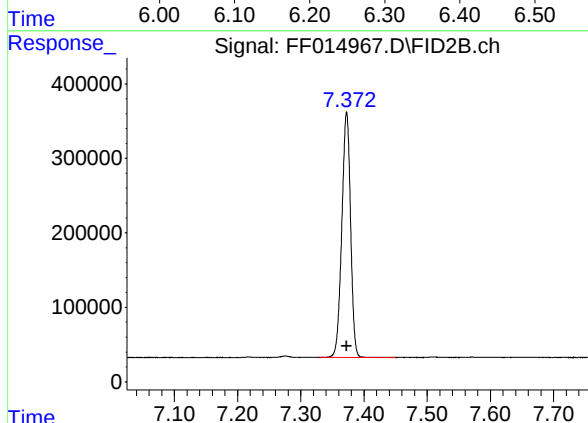
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024



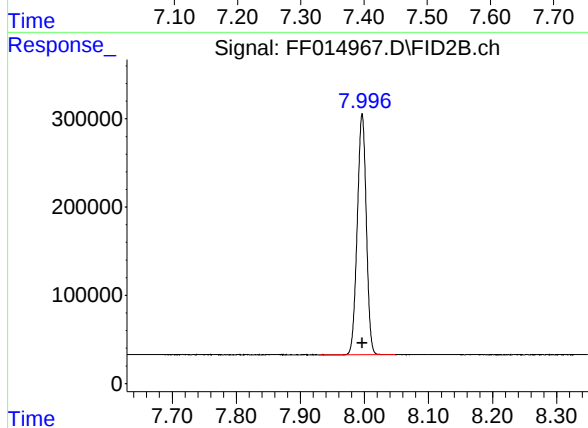
#2 Naphthalene (C11.7)

R.T.: 6.279 min
Delta R.T.: 0.000 min
Response: 3162444
Conc: 20.15 ug/ml



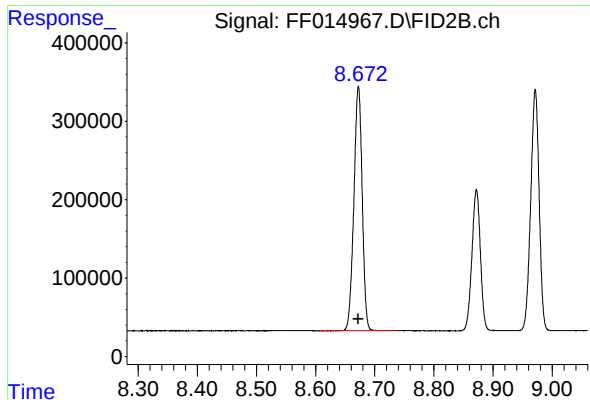
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.373 min
Delta R.T.: 0.000 min
Response: 3171496
Conc: 20.22 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.996 min
Delta R.T.: 0.000 min
Response: 2677459
Conc: 20.12 ug/ml



#5 Acenaphthylene (C15.06)

R.T.: 8.672 min
Delta R.T.: 0.000 min
Response: 3054984
Conc: 20.09 ug/ml

Instrument :

FID_F

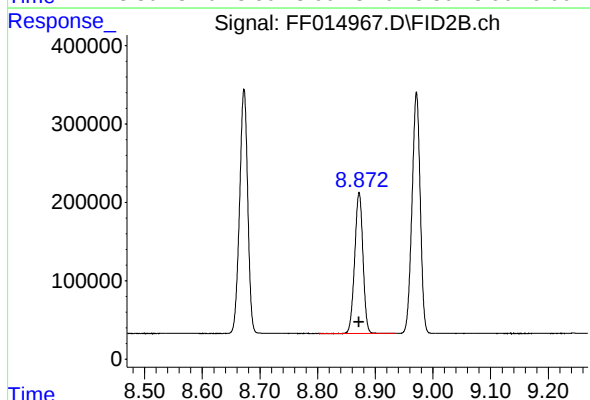
ClientSampleId :

20 PPM AROMATIC HC STD ICV

Manual Integrations

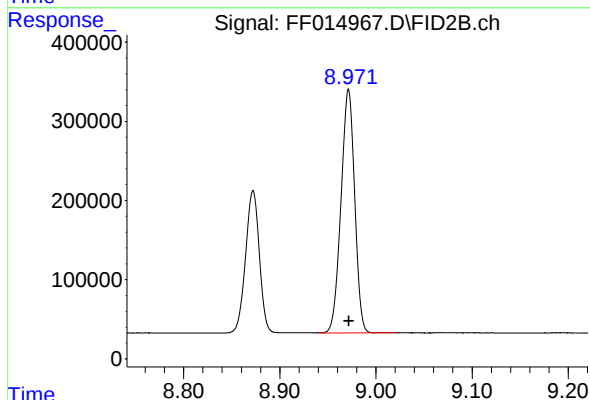
APPROVED

Reviewed By :Yogesh Patel 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024



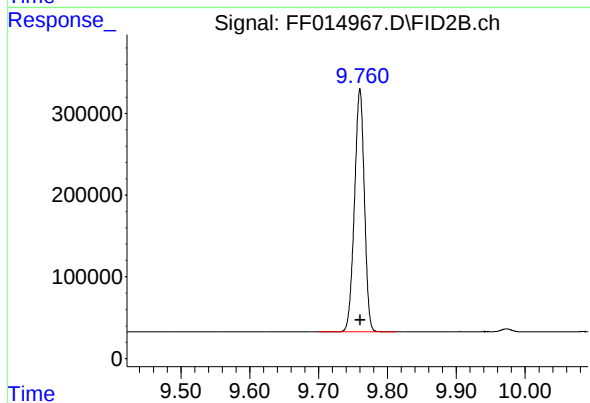
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.872 min
Delta R.T.: 0.000 min
Response: 1788884
Conc: 20.06 ug/ml



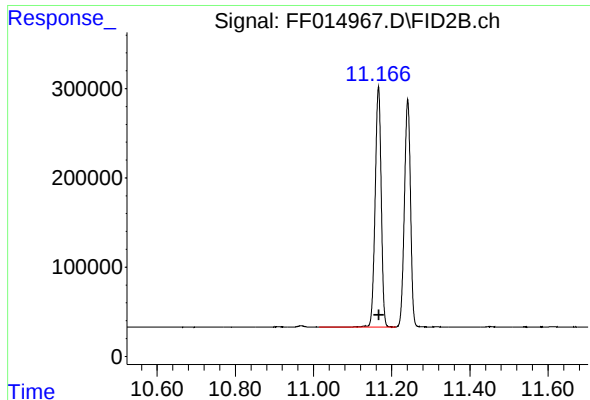
#7 Acenaphthene (C15.5)

R.T.: 8.971 min
Delta R.T.: 0.000 min
Response: 3044860
Conc: 20.07 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.760 min
Delta R.T.: 0.000 min
Response: 2965974
Conc: 20.00 ug/ml



#9 Phenanthrene (C19.36)

R.T.: 11.166 min
Delta R.T.: -0.001 min
Response: 2883607
Conc: 19.88 ug/ml

Instrument :

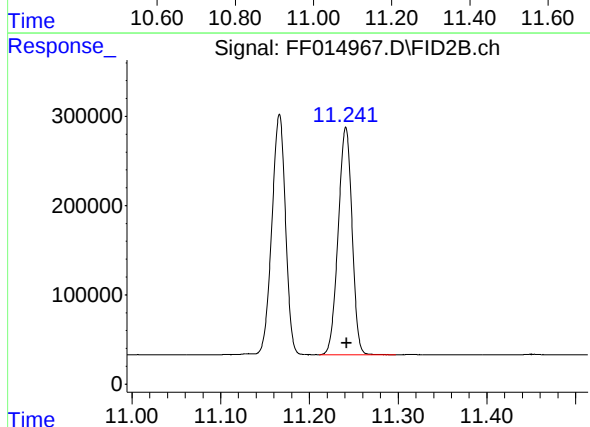
FID_F

ClientSampleId :

20 PPM AROMATIC HC STD ICV

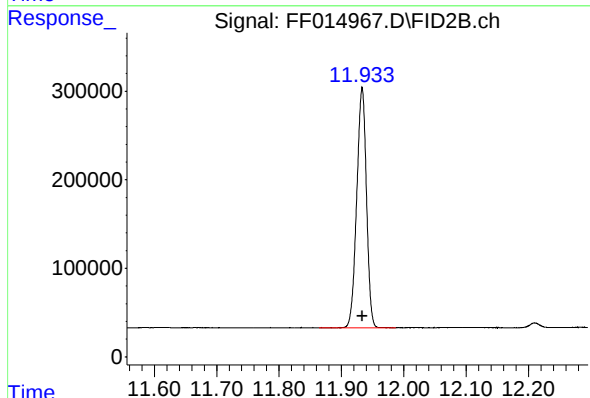
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024



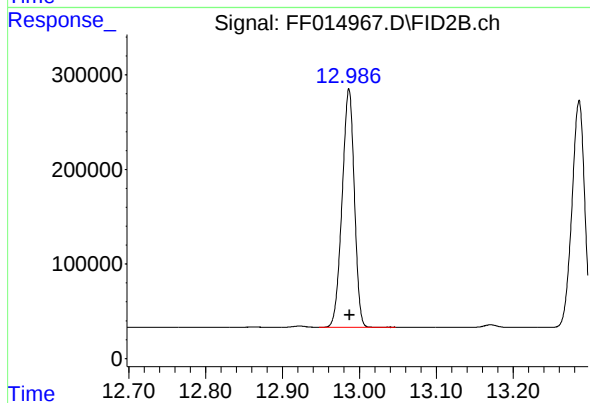
#10 Anthracene (C19.43)

R.T.: 11.241 min
Delta R.T.: -0.001 min
Response: 2756127
Conc: 20.08 ug/ml



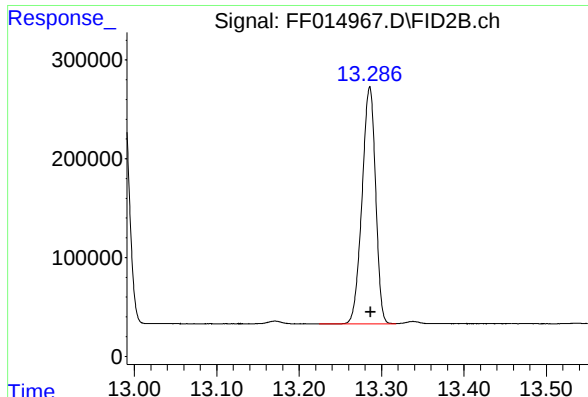
#11 ortho-Terphenyl (SURR)

R.T.: 11.933 min
Delta R.T.: 0.000 min
Response: 2937292
Conc: 19.94 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.986 min
Delta R.T.: -0.001 min
Response: 2778509
Conc: 19.88 ug/ml



#13 Pyrene (C20.8)

R.T.: 13.286 min
Delta R.T.: -0.001 min
Response: 2741087
Conc: 19.89 ug/ml

Instrument :

FID_F

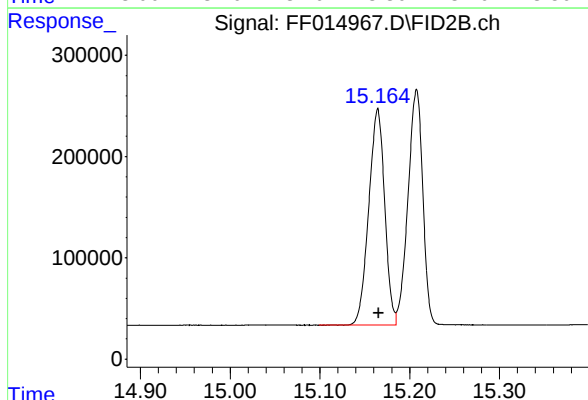
ClientSampleId :

20 PPM AROMATIC HC STD ICV

Manual Integrations

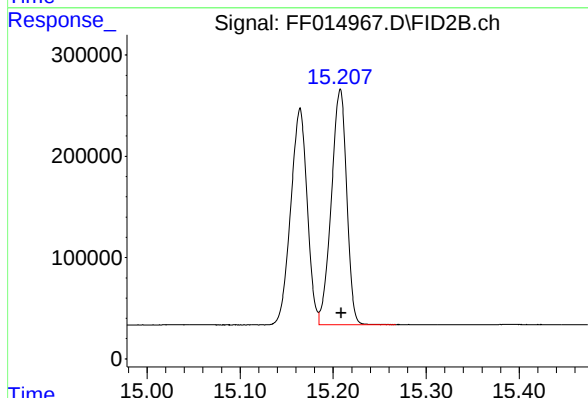
APPROVED

Reviewed By :Yogesh Patel 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024



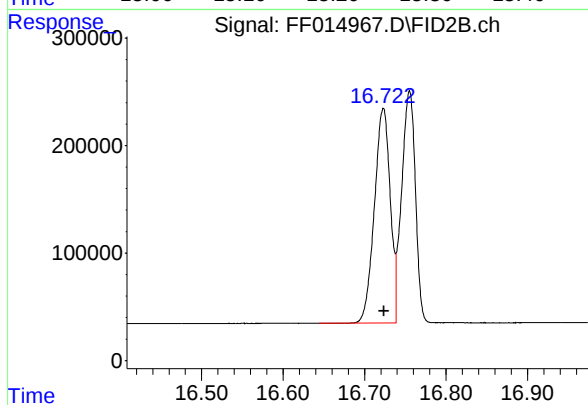
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.164 min
Delta R.T.: -0.001 min
Response: 2628452
Conc: 19.70 ug/ml



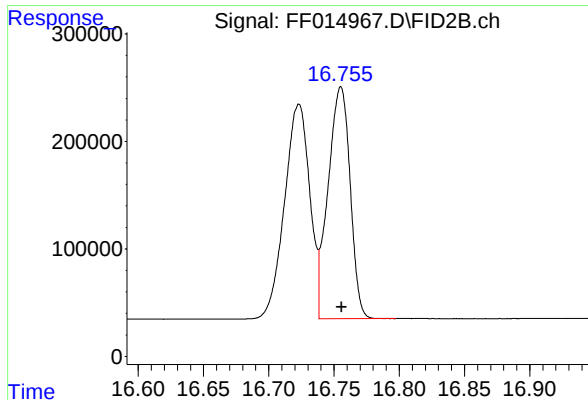
#15 Chrysene (C27.41)

R.T.: 15.207 min
Delta R.T.: -0.001 min
Response: 2665304
Conc: 19.63 ug/ml



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

R.T.: 16.723 min
Delta R.T.: 0.000 min
Response: 2691646
Conc: 19.58 ug/ml



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

R.T.: 16.755 min
Delta R.T.: 0.000 min
Response: 2538092
Conc: 19.73 ug/ml

Instrument :

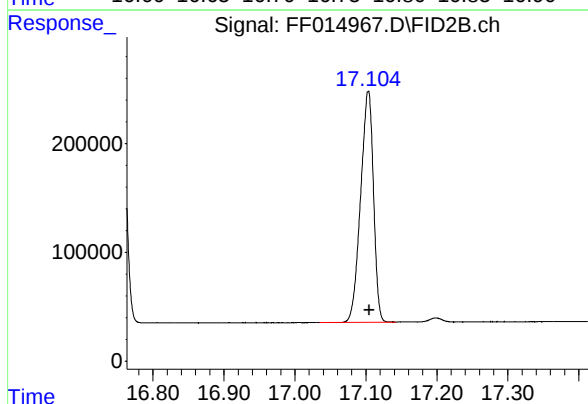
FID_F

ClientSampleId :

20 PPM AROMATIC HC STD ICV

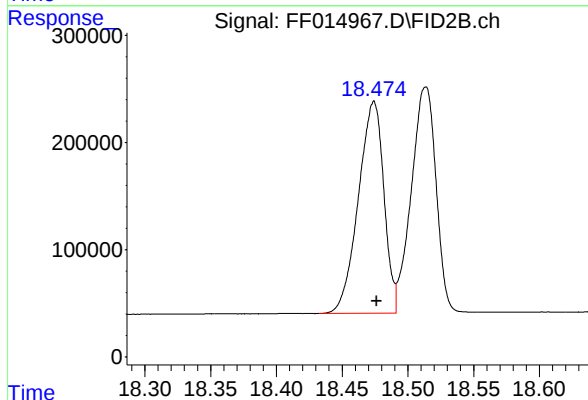
Manual Integrations
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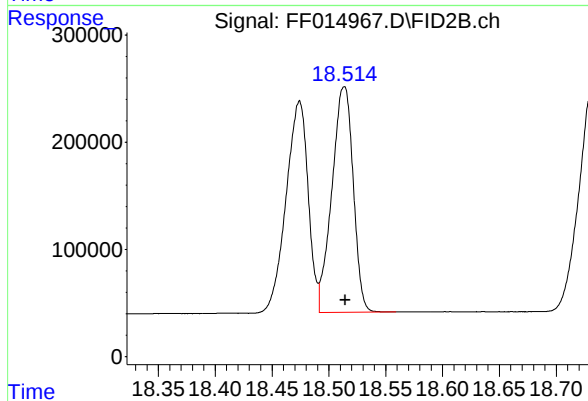
#18 Benzo[a]pyrene (C31.34)

R.T.: 17.103 min
Delta R.T.: -0.002 min
Response: 2679045
Conc: 19.76 ug/ml



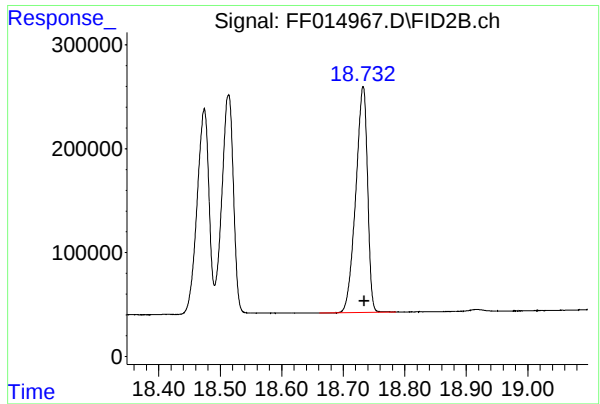
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.474 min
Delta R.T.: -0.002 min
Response: 2668215
Conc: 19.41 ug/ml m



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

R.T.: 18.513 min
Delta R.T.: -0.001 min
Response: 2742319
Conc: 18.54 ug/ml



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

R.T.: 18.732 min
Delta R.T.: -0.002 min
Response: 2893039
Conc: 19.77 ug/ml

Instrument :

FID_F

ClientSampleId :

20 PPM AROMATIC HC STD ICV

Manual Integrations

APPROVED

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Supervised By :Ankita Jodhani 11/08/2024

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Instrument :
FID_F
ClientSampleId :
20 PPM AROMATIC HC STD ICV
Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF110724
Data File : FF014967.D
Signal(s) : FID2B.ch
Acq On : 07 Nov 2024 20:11
Sample : 20 PPM AROMATIC HC STD ICV
Misc :
ALS Vial : 36 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 110724.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	4.613	4.551	4.669	BB	316958	3083180	97.22%	5.268%
2	6.279	6.212	6.315	BV	336245	3162444	99.71%	5.403%
3	7.373	7.329	7.451	BB	329296	3171496	100.00%	5.418%
4	7.996	7.929	8.049	BB	272723	2677459	84.42%	4.574%
5	8.672	8.606	8.736	BB	312077	3054984	96.33%	5.219%
6	8.872	8.802	8.936	BB	180201	1788884	56.41%	3.056%
7	8.971	8.941	9.021	BB	307713	3044860	96.01%	5.202%
8	9.760	9.701	9.812	BB	298467	2965974	93.52%	5.067%
9	11.166	11.014	11.211	BV	269251	2883607	90.92%	4.927%
10	11.241	11.211	11.297	VV	254766	2756127	86.90%	4.709%
11	11.933	11.864	11.987	BB	270631	2937292	92.62%	5.018%
12	12.986	12.947	13.047	PB	252310	2778509	87.61%	4.747%
13	13.286	13.224	13.317	BV	240301	2741087	86.43%	4.683%
14	15.164	15.099	15.185	BV	213412	2628452	82.88%	4.491%
15	15.207	15.185	15.267	VB	232655	2665304	84.04%	4.554%
16	16.723	16.644	16.739	BV	199452	2691646	84.87%	4.599%
17	16.755	16.739	16.797	VB	216639	2538092	80.03%	4.336%
18	17.103	17.034	17.142	BV	213052	2679045	84.47%	4.577%
19	18.474	18.281	18.491	BV	197525	2648168	83.50%	4.524%
20	18.513	18.491	18.559	VB	211030	2742319	86.47%	4.685%
21	18.732	18.661	18.786	BB	218242	2893039	91.22%	4.943%
Sum of corrected areas:						58531968		

Aromatic EPH 110724.M Fri Nov 08 08:59:38 2024