

Initial Calibration Report for SequenceID : FD121024AR

AreaCount

Parameter Range	FD048862.D	FD048863.D	FD048864.D	FD048865.D	FD048866.D	
Aromatic C10-C12	36144450.000	18307256.000	7704703.000	4202950.000	1844873.000	
Aromatic C12-C16	52606403.000	26714057.000	11173780.000	6154338.000	2768912.000	
Aromatic C16-C21	65406144.000	33090551.000	13675456.000	7455120.000	3226208.000	
Aromatic C21-C36	122999142.000	62178240.000	25807519.000	13997336.000	6039121.000	
Aromatic EPH	277156139.000	140290104.000	58361458.000	31809744.000	13879114.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aromatic C10-C12	190209.437	6.314				
Aromatic C12-C16	185883.3579996	6.276				
Aromatic C16-C21	169519.943	5.945				
Aromatic C21-C36	141588.6659994	5.992				
Aromatic EPH	160580.3729996	5.982				

Concentration

Parameter Range	FD048862.D	FD048863.D	FD048864.D	FD048865.D	FD048866.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	FD048862.D	FD048863.D	FD048864.D	FD048865.D	FD048866.D	
Aromatic C10-C12	180722.250000	183072.560000	192617.575000	210147.500000	184487.300000	
Aromatic C12-C16	175354.676666	178093.713333	186229.666666	205144.600000	184594.133333	
Aromatic C16-C21	163515.360000	165452.755000	170943.200000	186378.000000	161310.400000	
Aromatic C21-C36	136665.713333	138173.866666	143375.105555	155525.955555	134202.688888	
Aromatic EPH	153975.632777	155877.893333	162115.161111	176720.800000	154212.377777	

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD121024AR\
 Data File : FD048862.D
 Signal(s) : FID2B.ch
 Acq On : 10 Dec 2024 02:58
 Operator : YP/AJ
 Sample : 100 PPM AROMATIC HC STD1
 Misc :
 ALS Vial : 71 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 100 PPM AROMATIC HC STD1

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/10/2024
 Supervised By :Ankita Jodhani 12/10/2024

Integration File: autoint1.e
 Quant Time: Dec 10 06:00:59 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 121024.M
 Quant Title : GC Extractables
 QLast Update : Tue Dec 10 05:59:54 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...	7.368	15921295	93.981 ug/ml
Spiked Amount 50.000		Recovery =	187.96%
6) S 2-Fluorobiphenyl (SURR)	8.220	10548610	98.744 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	197.49%#
11) S ortho-Terphenyl (SURR)	11.256	16688784	93.186 ug/ml
Spiked Amount 50.000		Recovery =	186.37%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.190	17896321	94.195 ug/ml
2) T Naphthalene (C11.7)	5.708	18248129	93.464 ug/ml
3) T 2-Methylnaphthalene (...)	6.756	17647356	94.886 ug/ml
5) T Acenaphthylene (C15.06)	8.023	17689794	94.386 ug/ml
7) T Acenaphthene (C15.5)	8.319	17269253	93.203 ug/ml
8) T Flouorene (C16.55)	9.098	17270251	95.273 ug/ml
9) T Phenanthrene (C19.36)	10.485	16362315	96.999 ug/ml
10) T Anthracene (C19.43)	10.562	16263903	94.872 ug/ml
12) T Fluoranthene (C21.85)	12.291	15655851	94.377 ug/ml
13) T Pyrene (C20.8)	12.584	15509675	95.510 ug/ml
14) T Benzo[a]anthracene (C...	14.454	14161136	101.685 ug/ml
15) T Chrysene (C27.41)	14.500	14249238	90.269 ug/ml
16) T benzo[b]fluoranthene ...	16.004	13748802	98.495 ug/ml
17) T Bnezo[k]fluoranthene ...	16.043	13643820	92.001 ug/mlm
18) T Benzo[a]pyrene (C31.34)	16.381	13033554	93.325 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.749	12448244	116.520 ug/ml
20) T Dibenz[a,h]anthracene...	17.787	12848217	84.867 ug/ml
21) T Benzo[g,h,i]perylene ...	18.006	13210280	93.294 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD121024AR\
Data File : FD048862.D
Signal(s) : FID2B.ch
Acq On : 10 Dec 2024 02:58
Operator : YP/AJ
Sample : 100 PPM AROMATIC HC STD1
Misc :
ALS Vial : 71 Sample Multiplier: 1

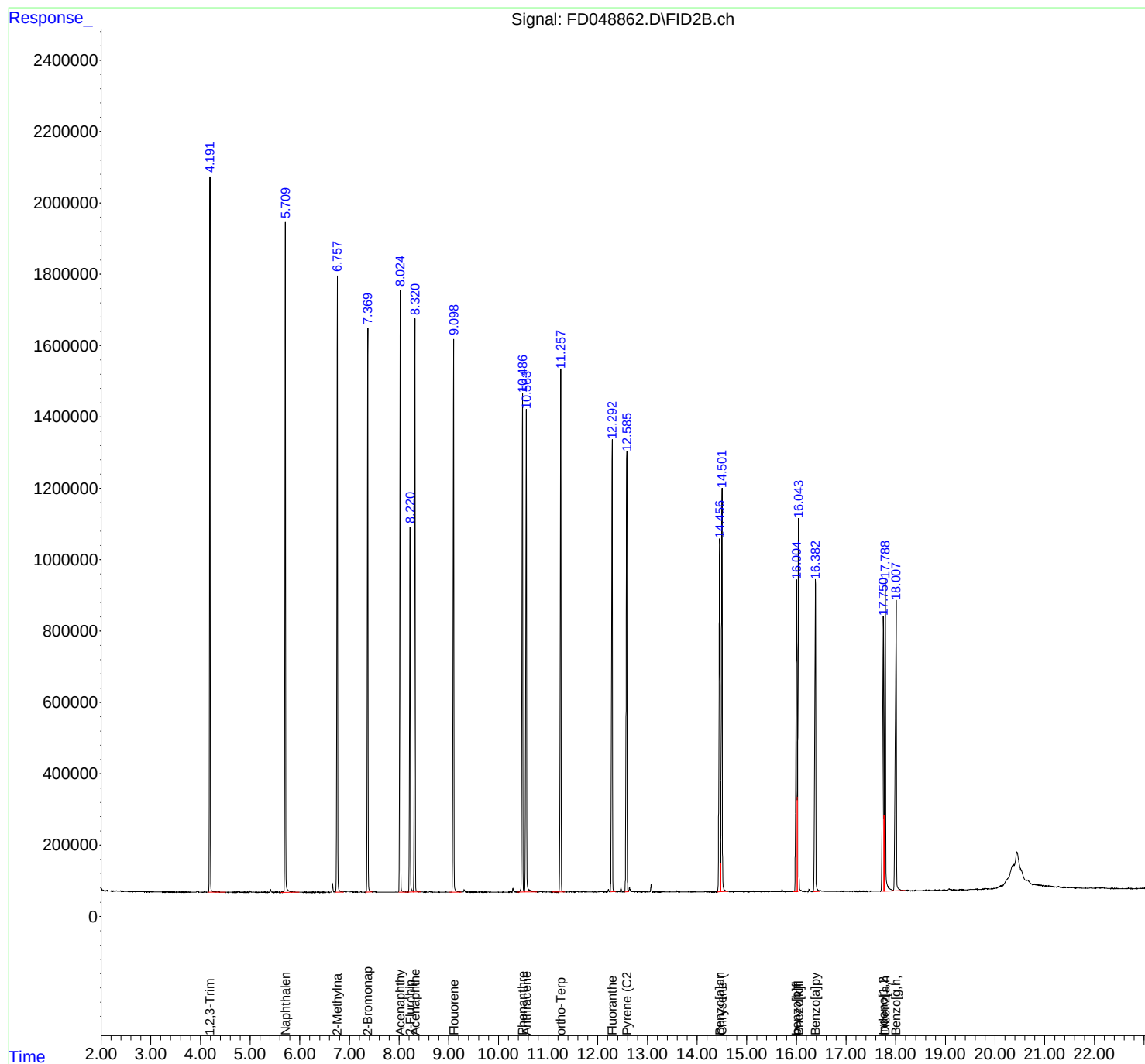
Instrument :
FID_D
ClientSampleId :
100 PPM AROMATIC HC STD1

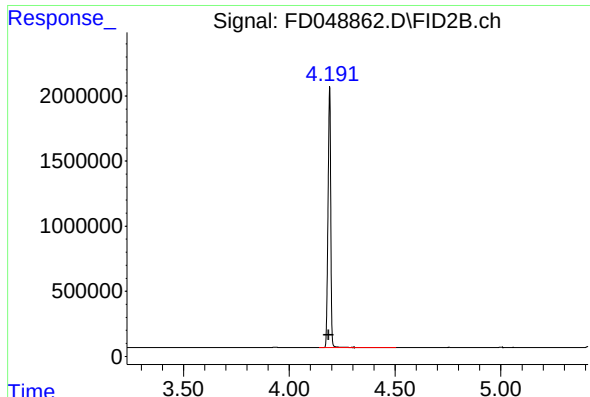
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Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 121024.M
Quant Title : GC Extractables
QLast Update : Tue Dec 10 05:59:54 2024
Response via : Initial Calibration
Integrator: ChemStation

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.: 4.190 min
Delta R.T.: 0.004 min
Response: 17896321
Conc: 94.19 ug/ml

Instrument :

FID_D

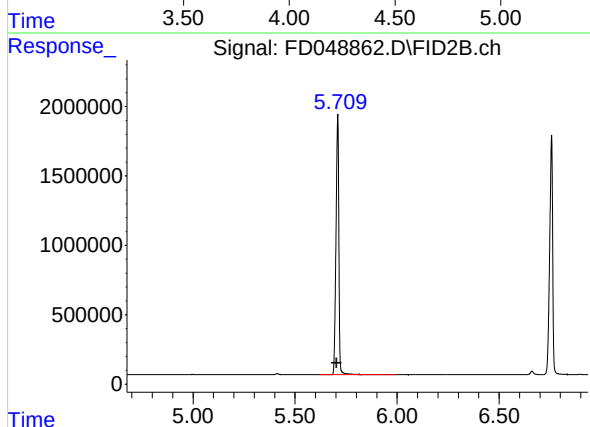
ClientSampleId :

100 PPM AROMATIC HC STD1

Manual Integrations

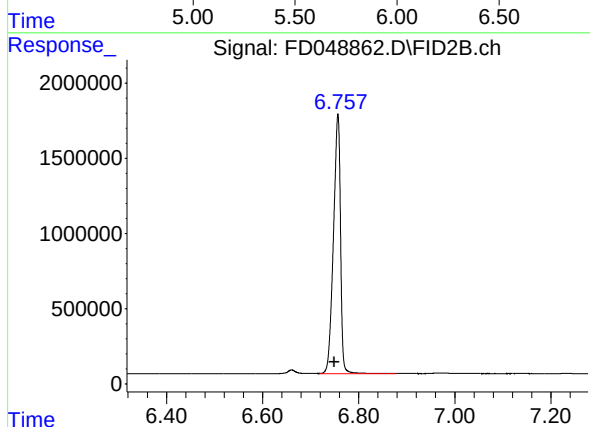
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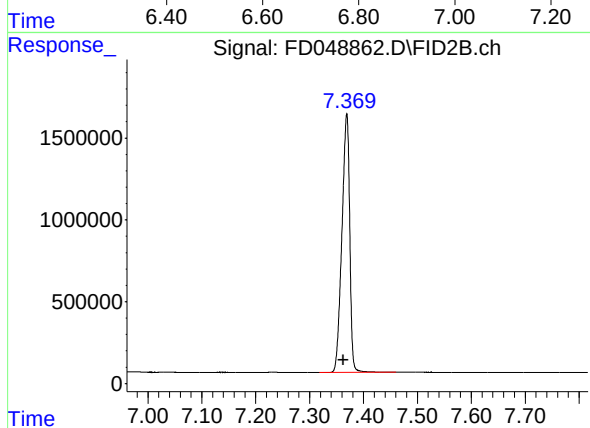
#2 Naphthalene (C11.7)

R.T.: 5.708 min
Delta R.T.: 0.005 min
Response: 18248129
Conc: 93.46 ug/ml



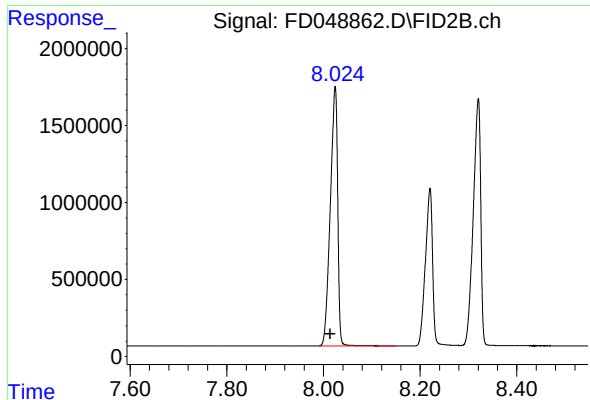
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.756 min
Delta R.T.: 0.006 min
Response: 17647356
Conc: 94.89 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.368 min
Delta R.T.: 0.006 min
Response: 15921295
Conc: 93.98 ug/ml



#5 Acenaphthylene (C15.06)

R.T.: 8.023 min
Delta R.T.: 0.009 min
Response: 17689794
Conc: 94.39 ug/ml

Instrument :

FID_D

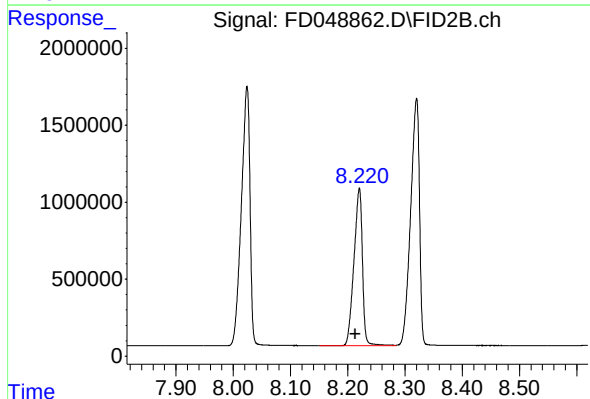
ClientSampleId :

100 PPM AROMATIC HC STD1

Manual Integrations

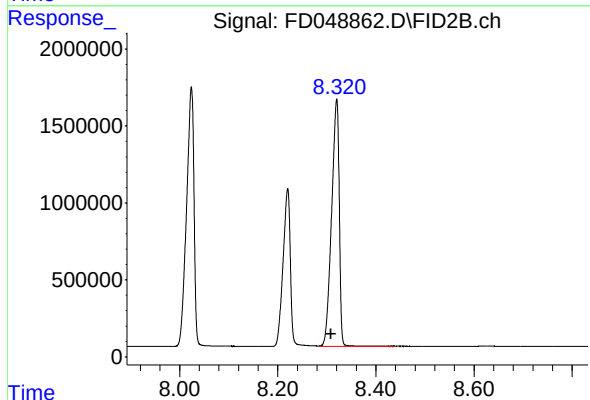
APPROVED

Reviewed By :Yogesh Patel 12/10/2024
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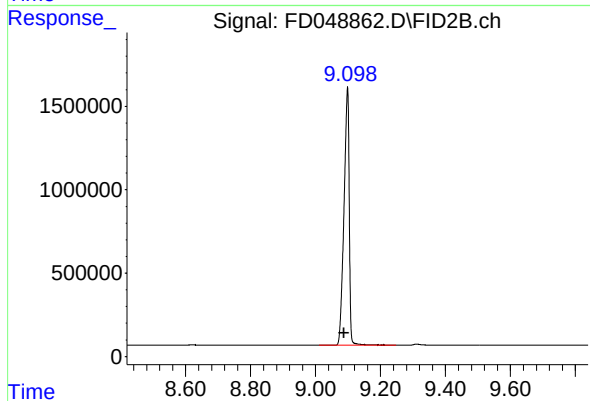
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.220 min
Delta R.T.: 0.007 min
Response: 10548610
Conc: 98.74 ug/ml



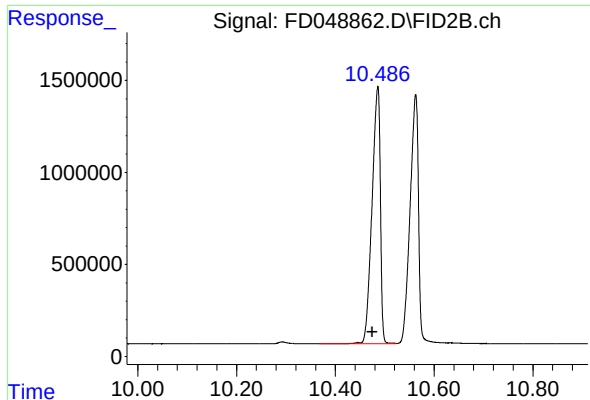
#7 Acenaphthene (C15.5)

R.T.: 8.319 min
Delta R.T.: 0.011 min
Response: 17269253
Conc: 93.20 ug/ml



#8 Fluorene (C16.55)

R.T.: 9.098 min
Delta R.T.: 0.010 min
Response: 17270251
Conc: 95.27 ug/ml



#9 Phenanthrene (C19.36)

R.T.: 10.485 min
Delta R.T.: 0.010 min
Response: 16362315
Conc: 97.00 ug/ml

Instrument :

FID_D

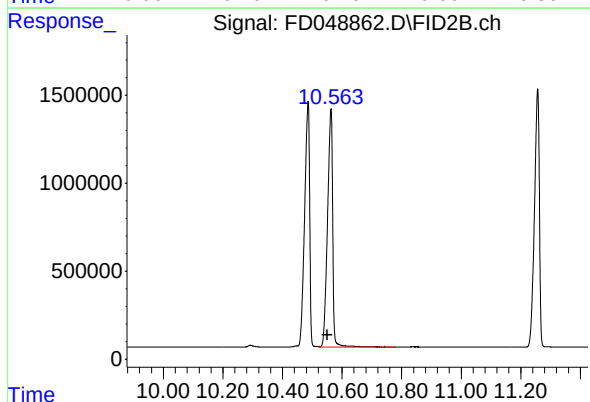
ClientSampleId :

100 PPM AROMATIC HC STD1

Manual Integrations

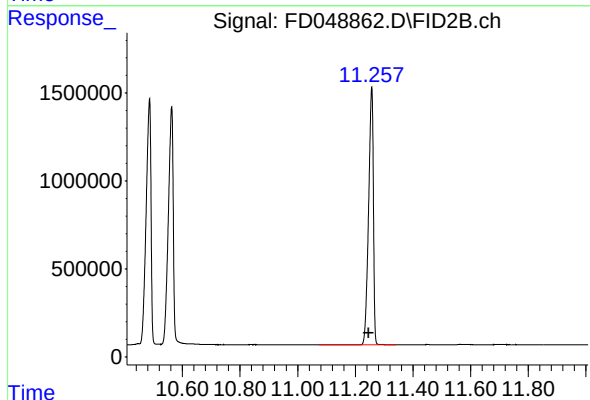
APPROVED

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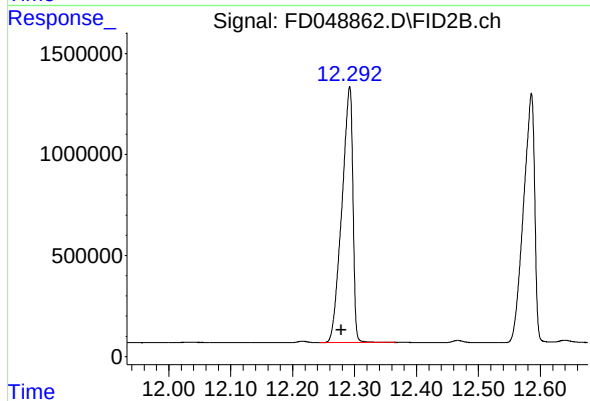
#10 Anthracene (C19.43)

R.T.: 10.562 min
Delta R.T.: 0.011 min
Response: 16263903
Conc: 94.87 ug/ml



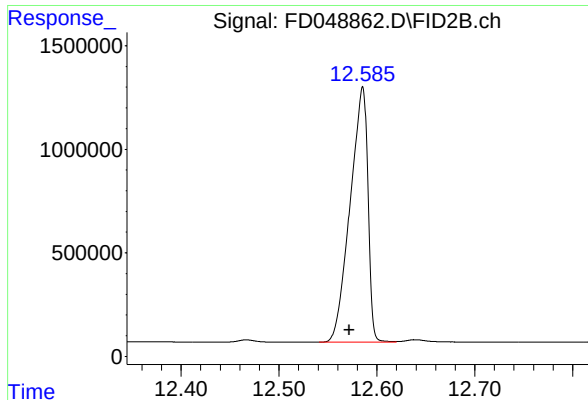
#11 ortho-Terphenyl (SURR)

R.T.: 11.256 min
Delta R.T.: 0.010 min
Response: 16688784
Conc: 93.19 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.291 min
Delta R.T.: 0.012 min
Response: 15655851
Conc: 94.38 ug/ml



#13 Pyrene (C20.8)

R.T.: 12.584 min
Delta R.T.: 0.013 min
Response: 15509675
Conc: 95.51 ug/ml

Instrument :

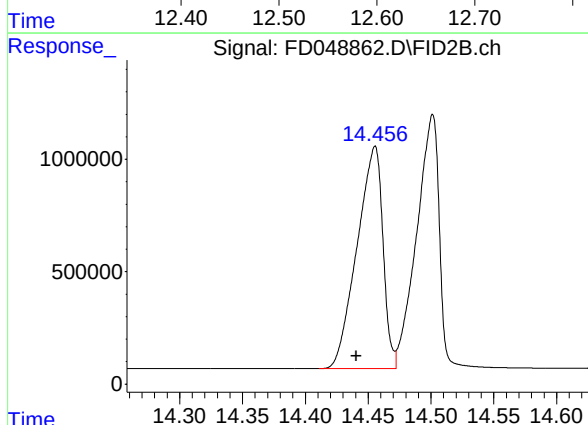
FID_D

ClientSampleId :

100 PPM AROMATIC HC STD1

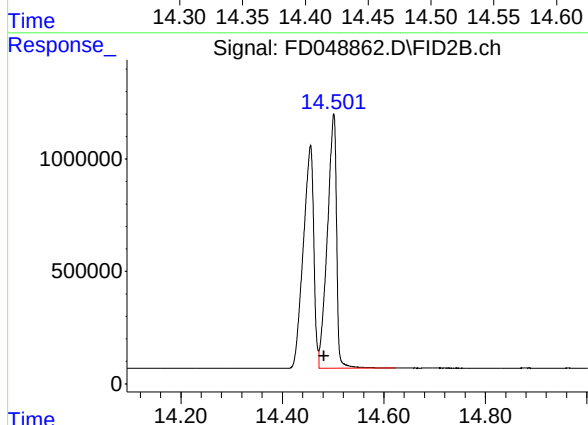
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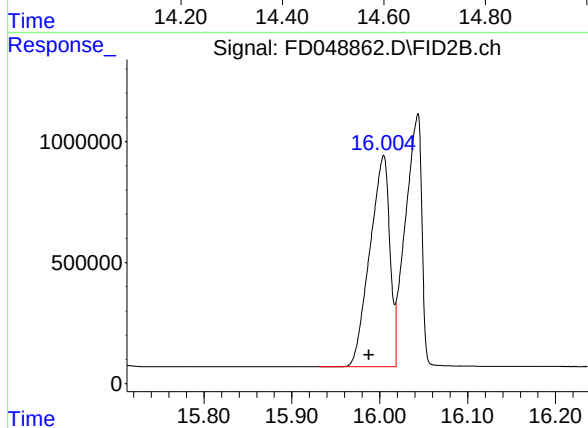
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.454 min
Delta R.T.: 0.014 min
Response: 14161136
Conc: 101.68 ug/ml



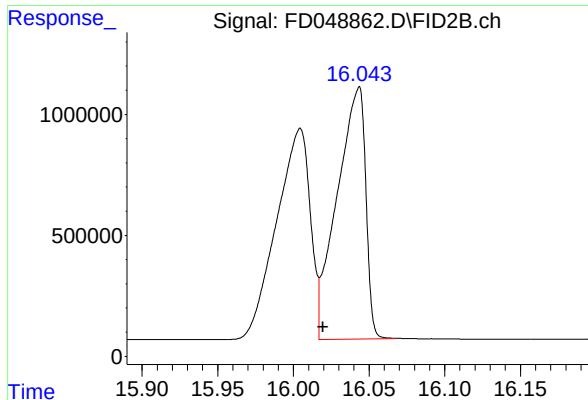
#15 Chrysene (C27.41)

R.T.: 14.500 min
Delta R.T.: 0.019 min
Response: 14249238
Conc: 90.27 ug/ml



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

R.T.: 16.004 min
Delta R.T.: 0.016 min
Response: 13748802
Conc: 98.49 ug/ml



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

R.T.: 16.043 min
Delta R.T.: 0.024 min
Response: 13643820
Conc: 92.00 ug/ml

Instrument :

FID_D

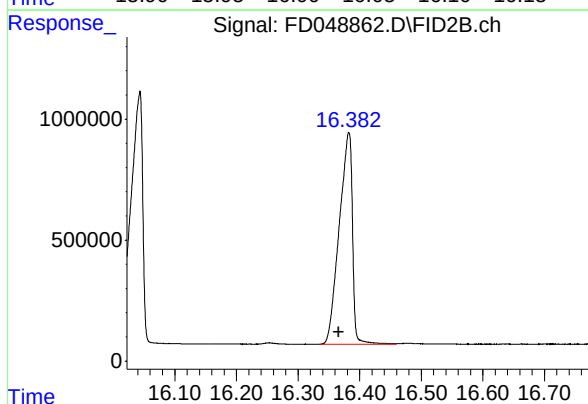
ClientSampleId :

100 PPM AROMATIC HC STD1

Manual Integrations

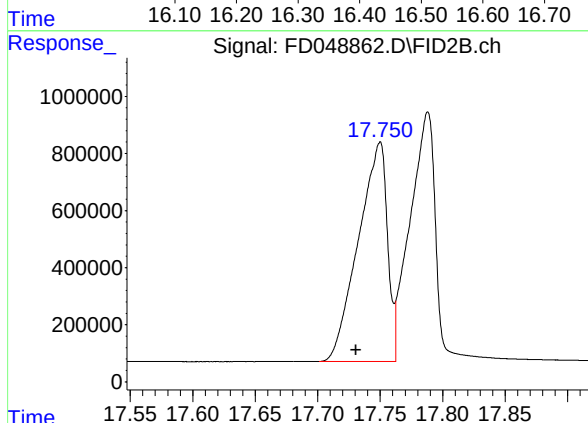
APPROVED

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Supervised By :Ankita Jodhani 12/10/2024



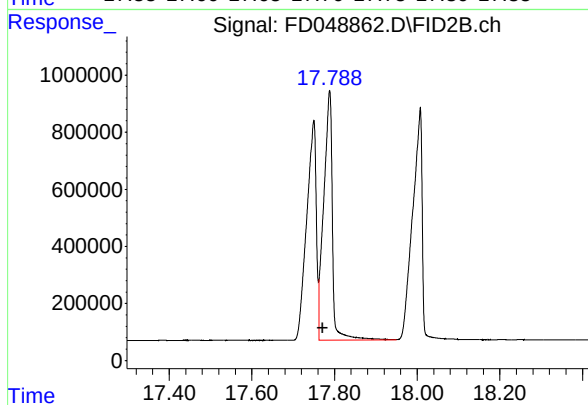
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.381 min
Delta R.T.: 0.015 min
Response: 13033554
Conc: 93.32 ug/ml



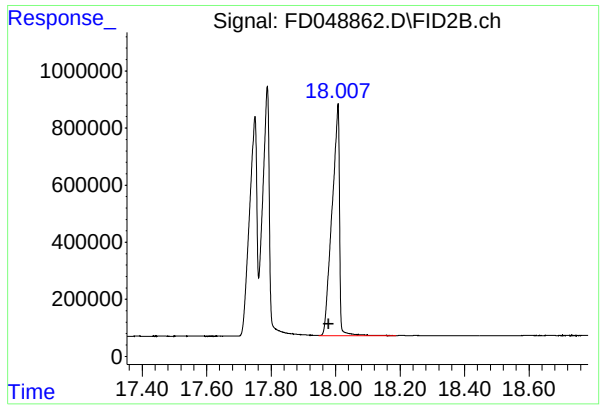
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.749 min
Delta R.T.: 0.018 min
Response: 12448244
Conc: 116.52 ug/ml



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

R.T.: 17.787 min
Delta R.T.: 0.016 min
Response: 12848217
Conc: 84.87 ug/ml



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

R.T.: 18.006 min
Delta R.T.: 0.027 min
Response: 13210280
Conc: 93.29 ug/ml

Instrument :

FID_D

ClientSampleId :

100 PPM AROMATIC HC STD1

Manual Integrations

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rteres

Instrument :

FID_D

LabSampleId :

100 PPM AROMATIC HC STD1

Area Percent Report

Manual IntegrationsAPPROVED

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Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD121024
Data File : FD048862.D
Signal(s) : FID2B.ch
Acq On : 10 Dec 2024 02:58
Sample : 100 PPM AROMATIC HC STD1
Misc :
ALS Vial : 71 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 121024.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	4.190	4.141	4.504	BB	2022212	17896321	98.07%	5.587%
2	5.708	5.618	5.994	VV	1846237	18248129	100.00%	5.697%
3	6.756	6.718	6.878	VV	1759878	17647356	96.71%	5.509%
4	7.368	7.318	7.460	PV	1560518	15921295	87.25%	4.970%
5	8.023	7.991	8.150	BV	1707263	17689794	96.94%	5.522%
6	8.220	8.150	8.284	PV	1042647	10548610	57.81%	3.293%
7	8.319	8.284	8.441	VV	1648008	17269253	94.64%	5.391%
8	9.098	9.011	9.248	BV	1533227	17270251	94.64%	5.392%
9	10.485	10.367	10.523	PV	1375229	16362315	89.67%	5.108%
10	10.562	10.523	10.781	VV	1337293	16263903	89.13%	5.077%
11	11.256	11.074	11.341	BV	1493318	16688784	91.45%	5.210%
12	12.291	12.243	12.367	PV	1259349	15655851	85.79%	4.888%
13	12.584	12.541	12.620	PV	1219791	15509675	84.99%	4.842%
14	14.454	14.411	14.472	BV	981717	14161136	77.60%	4.421%
15	14.500	14.472	14.624	VV	1137801	14249238	78.09%	4.448%
16	16.004	15.931	16.018	BV	876069	13748802	75.34%	4.292%
17	16.042	16.018	16.234	VV	1019255	13652134	74.81%	4.262%
18	16.381	16.334	16.459	VV	870599	13033554	71.42%	4.069%
19	17.749	17.701	17.762	BV	755590	12448244	68.22%	3.886%
20	17.787	17.762	17.949	VV	878040	12848217	70.41%	4.011%
21	18.006	17.949	18.187	VV	837103	13210280	72.39%	4.124%
Sum of corrected areas:						320323141		

Aromatic EPH 121024.M Tue Dec 10 07:08:36 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD121024AR\
 Data File : FD048863.D
 Signal(s) : FID2B.ch
 Acq On : 10 Dec 2024 03:35
 Operator : YP/AJ
 Sample : 50 PPM AROMATIC HC STD2
 Misc :
 ALS Vial : 72 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 50 PPM AROMATIC HC STD2

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Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.364	8039257	47.454 ug/ml
Spiked Amount 50.000		Recovery =	94.91%
6) S 2-Fluorobiphenyl (SURR)	8.214	5291629	49.534 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	99.07%
11) S ortho-Terphenyl (SURR)	11.250	8496175	47.441 ug/ml
Spiked Amount 50.000		Recovery =	94.88%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.187	9057209	47.671 ug/ml
2) T Naphthalene (C11.7)	5.705	9250047	47.377 ug/ml
3) T 2-Methylnaphthalene (...)	6.751	8909043	47.902 ug/ml
5) T Acenaphthylene (C15.06)	8.018	8950507	47.757 ug/ml
7) T Acenaphthene (C15.5)	8.313	8854507	47.788 ug/ml
8) T Fluorene (C16.55)	9.091	8747897	48.259 ug/ml
9) T Phenanthrene (C19.36)	10.478	8237835	48.835 ug/ml
10) T Anthracene (C19.43)	10.554	8241212	48.074 ug/ml
12) T Fluoranthene (C21.85)	12.283	7953997	47.949 ug/ml
13) T Pyrene (C20.8)	12.576	7863607	48.425 ug/ml
14) T Benzo[a]anthracene (C...	14.446	7072378	50.784 ug/ml
15) T Chrysene (C27.41)	14.488	7315160	46.341 ug/ml
16) T benzo[b]fluoranthene ...	15.994	6901644	49.443 ug/ml
17) T Bnezo[k]fluoranthene ...	16.027	6959962	46.932 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.369	6619739	47.400 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.735	5859994	54.851 ug/ml
20) T Dibenz[a,h]anthracene...	17.772	6804381	44.945 ug/ml
21) T Benzo[g,h,i]perylene ...	17.988	6690985	47.253 ug/ml

(f)=RT Delta > 1/2 Window

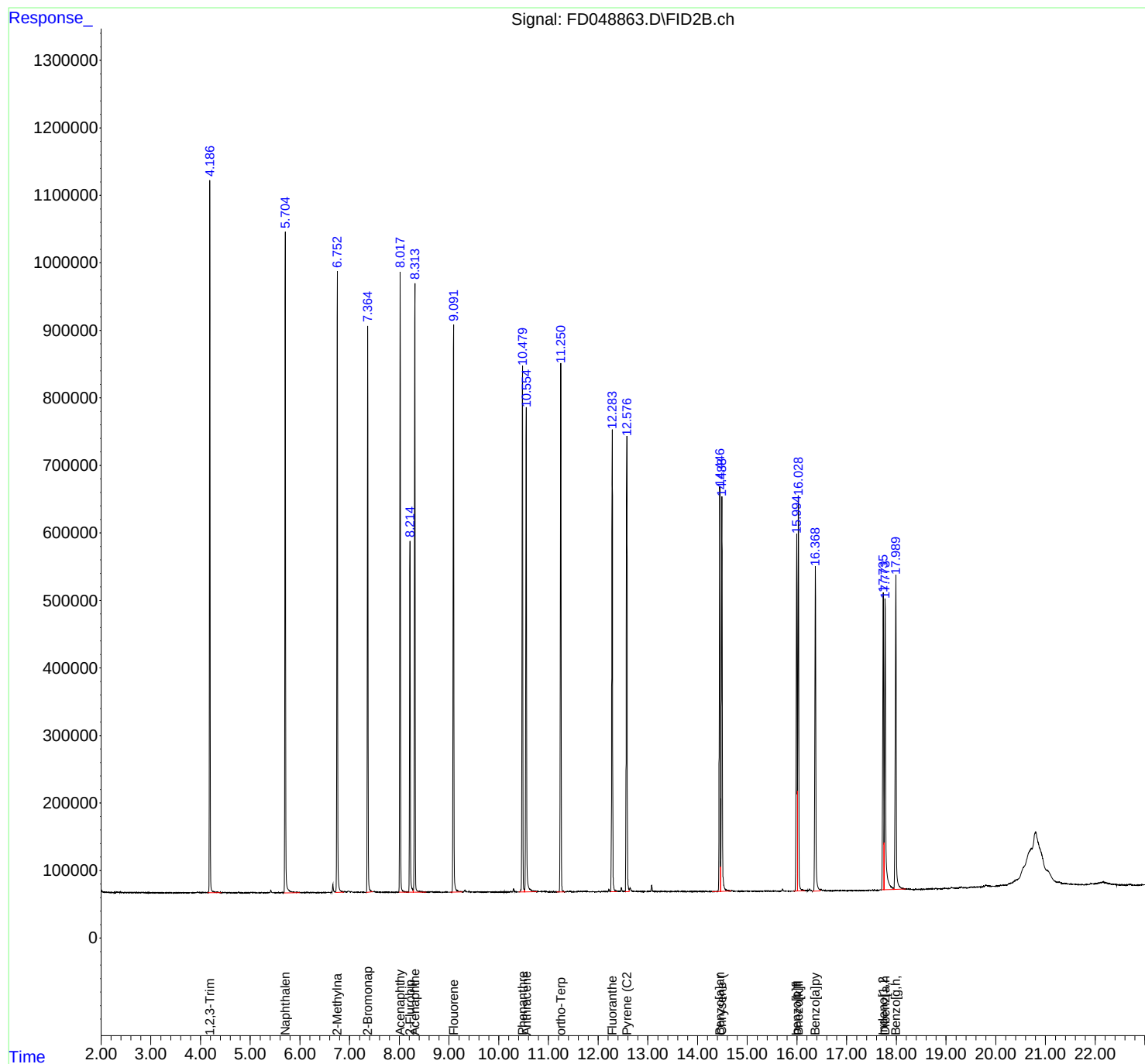
(m)=manual int.

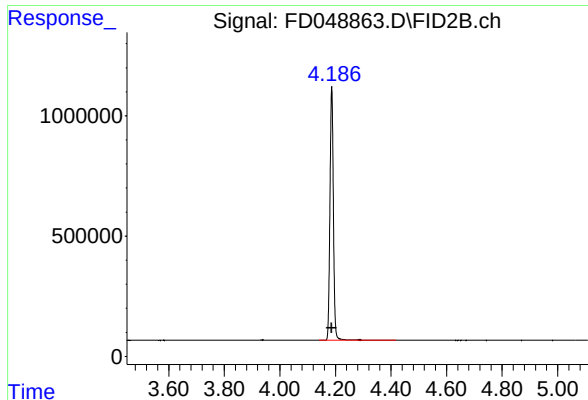
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Operator : YP/AJ
Sample : 50 PPM AROMATIC HC STD2
Misc :
ALS Vial : 72 Sample Multiplier: 1

Instrument :
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ClientSampleId :
50 PPM AROMATIC HC STD2

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Response via : Initial Calibration
Integrator: ChemStation

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

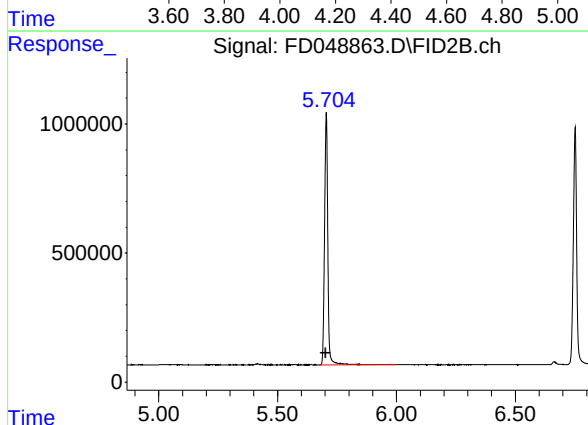




#1 1,2,3-Trimethylbenzene (C10.1)

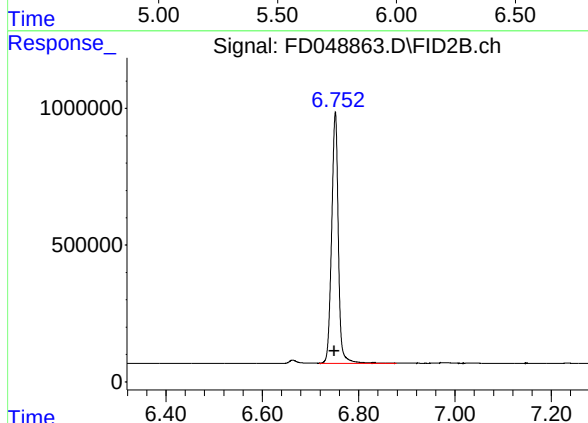
R.T.: 4.187 min
Delta R.T.: 0.000 min
Response: 9057209
Conc: 47.67 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2



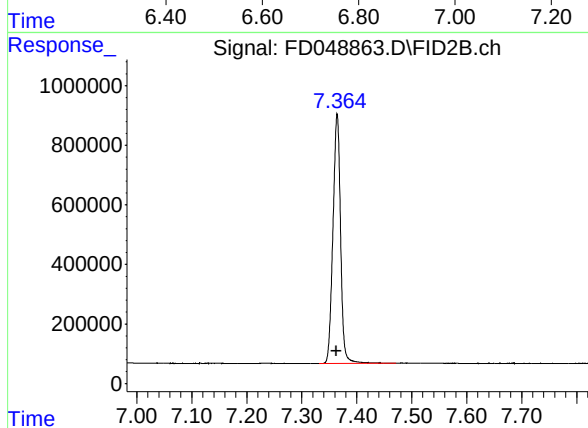
#2 Naphthalene (C11.7)

R.T.: 5.705 min
Delta R.T.: 0.001 min
Response: 9250047
Conc: 47.38 ug/ml



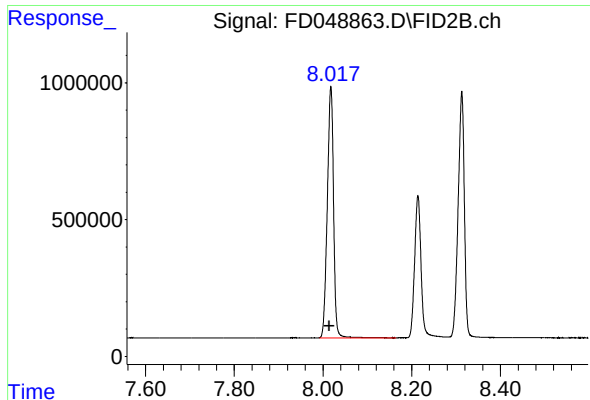
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.751 min
Delta R.T.: 0.002 min
Response: 8909043
Conc: 47.90 ug/ml



#4 2-Bromonaphthalene (SURR)

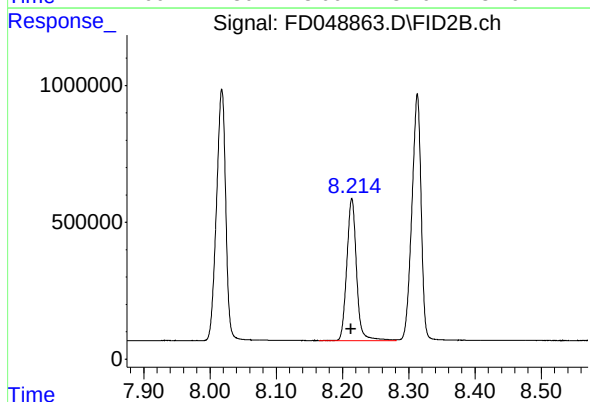
R.T.: 7.364 min
Delta R.T.: 0.002 min
Response: 8039257
Conc: 47.45 ug/ml



#5 Acenaphthylene (C15.06)

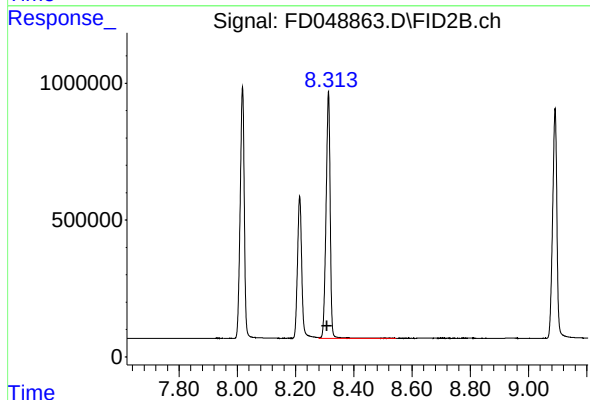
R.T.: 8.018 min
Delta R.T.: 0.003 min
Response: 8950507
Conc: 47.76 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2



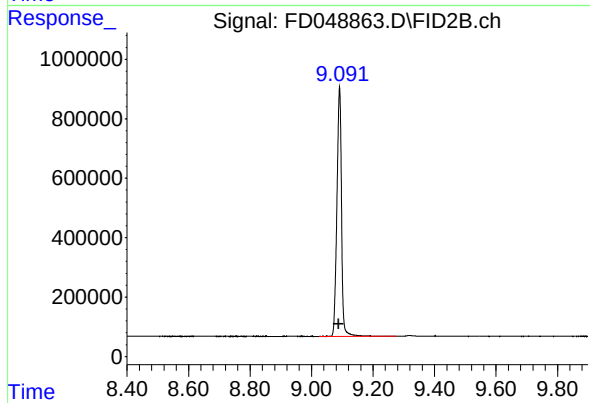
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.214 min
Delta R.T.: 0.001 min
Response: 5291629
Conc: 49.53 ug/ml



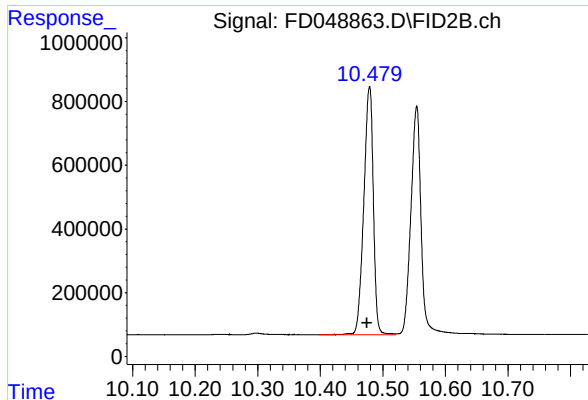
#7 Acenaphthene (C15.5)

R.T.: 8.313 min
Delta R.T.: 0.004 min
Response: 8854507
Conc: 47.79 ug/ml



#8 Fluorene (C16.55)

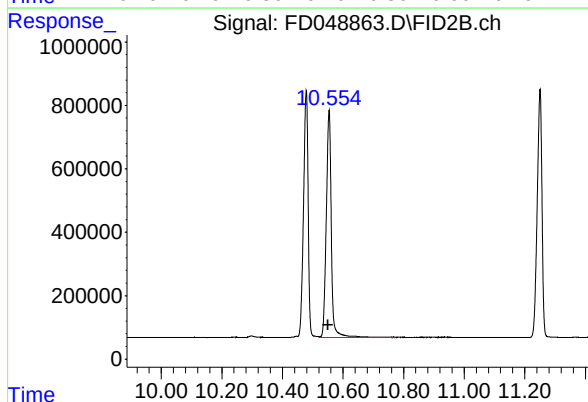
R.T.: 9.091 min
Delta R.T.: 0.003 min
Response: 8747897
Conc: 48.26 ug/ml



#9 Phenanthrene (C19.36)

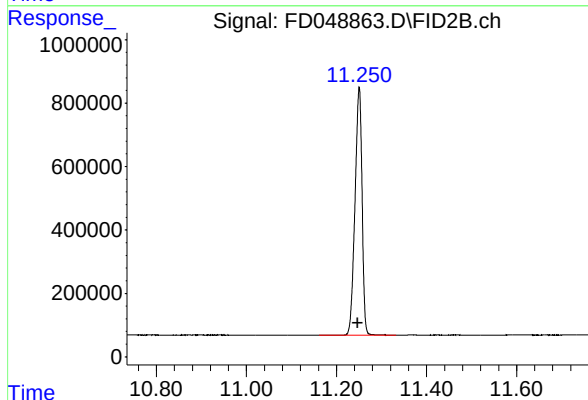
R.T.: 10.478 min
Delta R.T.: 0.003 min
Response: 8237835
Conc: 48.84 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2



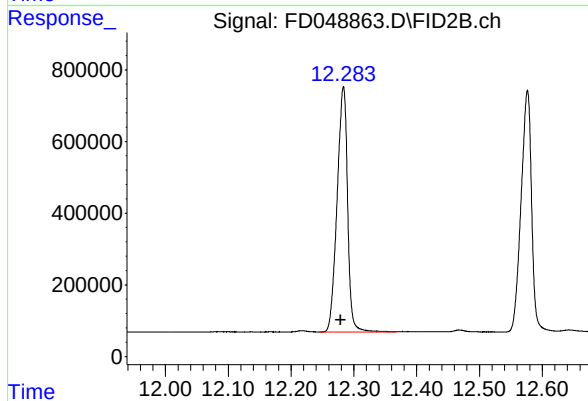
#10 Anthracene (C19.43)

R.T.: 10.554 min
Delta R.T.: 0.003 min
Response: 8241212
Conc: 48.07 ug/ml



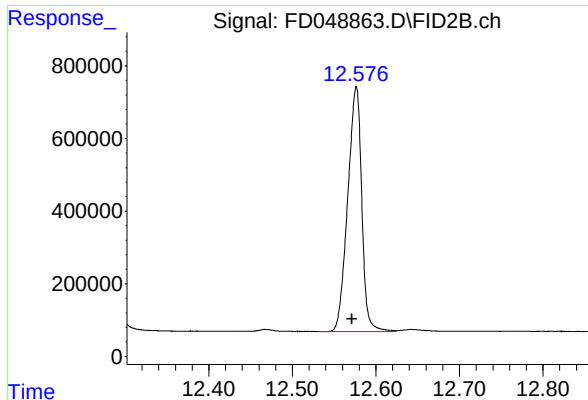
#11 ortho-Terphenyl (SURR)

R.T.: 11.250 min
Delta R.T.: 0.003 min
Response: 8496175
Conc: 47.44 ug/ml



#12 Fluoranthene (C21.85)

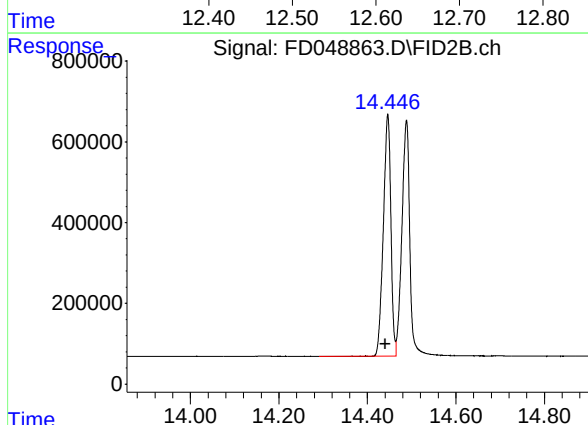
R.T.: 12.283 min
Delta R.T.: 0.005 min
Response: 7953997
Conc: 47.95 ug/ml



#13 Pyrene (C20.8)

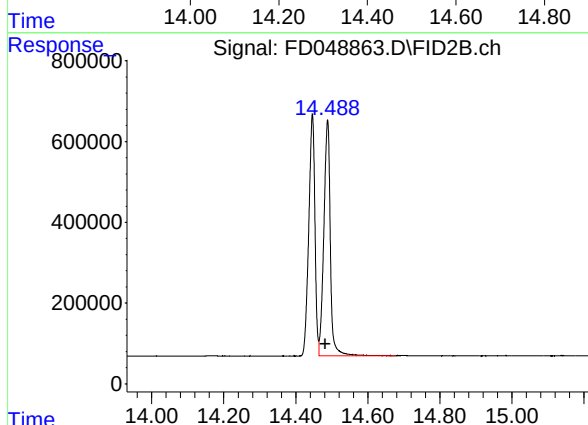
R.T.: 12.576 min
Delta R.T.: 0.005 min
Response: 7863607
Conc: 48.42 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2



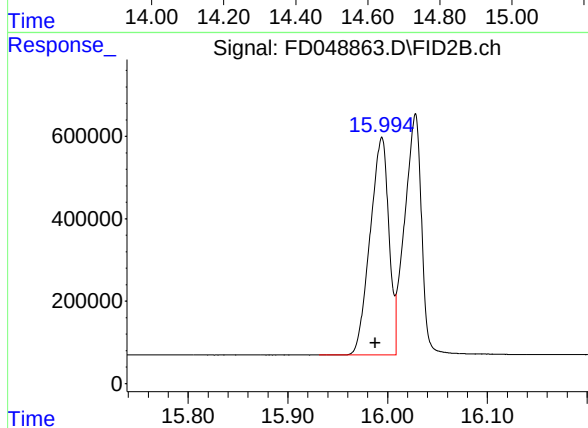
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.446 min
Delta R.T.: 0.005 min
Response: 7072378
Conc: 50.78 ug/ml



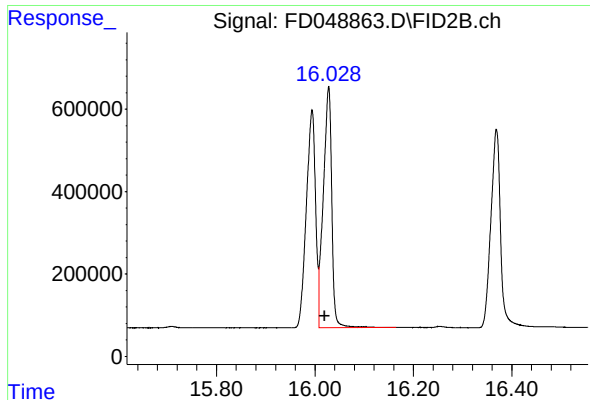
#15 Chrysene (C27.41)

R.T.: 14.488 min
Delta R.T.: 0.006 min
Response: 7315160
Conc: 46.34 ug/ml



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

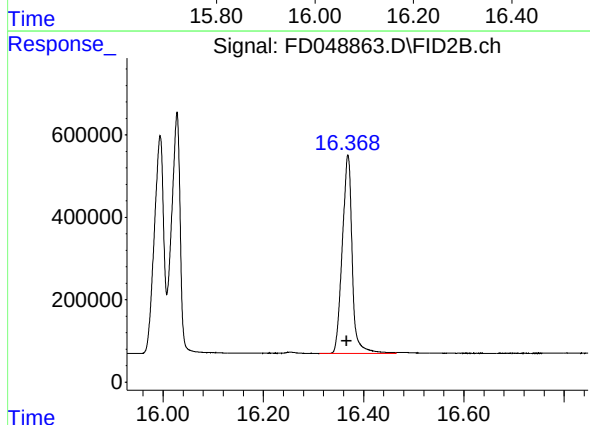
R.T.: 15.994 min
Delta R.T.: 0.006 min
Response: 6901644
Conc: 49.44 ug/ml



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

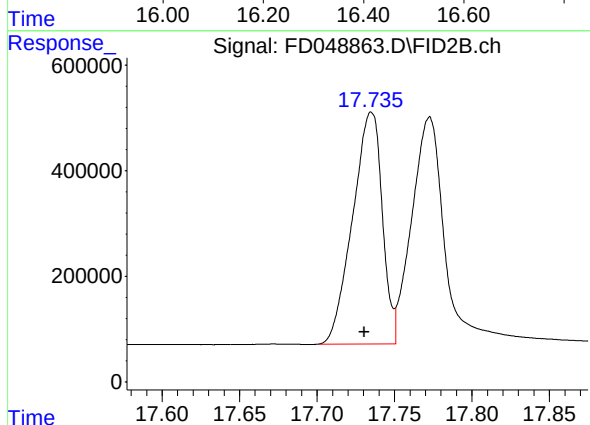
R.T.: 16.027 min
Delta R.T.: 0.008 min
Response: 6959962
Conc: 46.93 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2



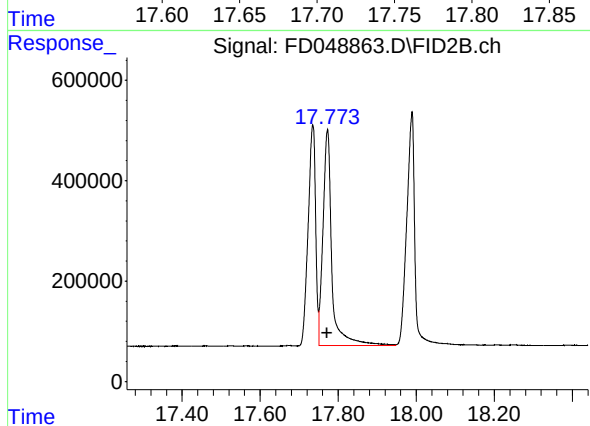
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.369 min
Delta R.T.: 0.002 min
Response: 6619739
Conc: 47.40 ug/ml



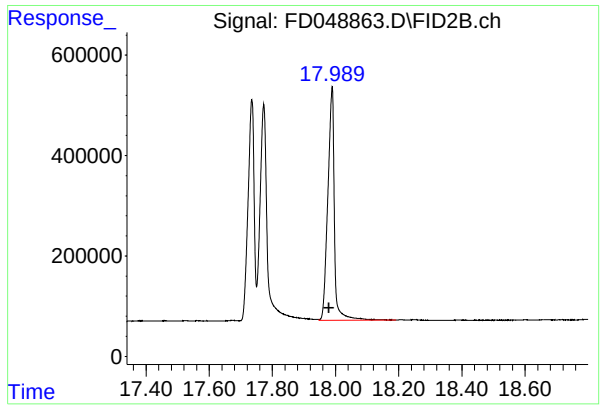
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.735 min
Delta R.T.: 0.004 min
Response: 5859994
Conc: 54.85 ug/ml



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

R.T.: 17.772 min
Delta R.T.: 0.001 min
Response: 6804381
Conc: 44.95 ug/ml



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

R.T.: 17.988 min

Delta R.T.: 0.009 min

Response: 6690985

Conc: 47.25 ug/ml

Instrument :

FID_D

ClientSampleId :

50 PPM AROMATIC HC STD2

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD121024AR\
Data File : FD048863.D
Signal(s) : FID2B.ch
Acq On : 10 Dec 2024 03:35
Sample : 50 PPM AROMATIC HC STD2
Misc :
ALS Vial : 72 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 121024.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	4.187	4.141	4.418	BB	1049787	9057209	97.92%	5.587%
2	5.705	5.675	5.998	PB	977324	9250047	100.00%	5.706%
3	6.751	6.718	6.878	VV	916014	8909043	96.31%	5.495%
4	7.364	7.331	7.471	PV	840576	8039257	86.91%	4.959%
5	8.018	7.991	8.165	BV	922385	8950507	96.76%	5.521%
6	8.214	8.165	8.281	PV	519986	5291629	57.21%	3.264%
7	8.313	8.281	8.545	VB	880751	8854507	95.72%	5.462%
8	9.091	9.025	9.275	BV	842709	8747897	94.57%	5.396%
9	10.478	10.398	10.521	PV	777460	8237835	89.06%	5.081%
10	10.554	10.521	10.775	VV	723214	8241212	89.09%	5.083%
11	11.250	11.161	11.332	BV	788935	8496175	91.85%	5.241%
12	12.283	12.245	12.367	VV	692860	7953997	85.99%	4.906%
13	12.576	12.532	12.624	PV	666038	7863607	85.01%	4.851%
14	14.446	14.291	14.465	PV	594062	7072378	76.46%	4.363%
15	14.488	14.465	14.678	VV	584606	7315160	79.08%	4.512%
16	15.994	15.931	16.008	BV	531588	6901644	74.61%	4.257%
17	16.027	16.008	16.165	VV	589067	6959962	75.24%	4.293%
18	16.369	16.311	16.465	PV	481546	6619739	71.56%	4.083%
19	17.735	17.701	17.751	BV	440629	5859994	63.35%	3.615%
20	17.772	17.751	17.948	VV	428816	6804381	73.56%	4.197%
21	17.988	17.948	18.191	VV	460312	6690985	72.33%	4.127%
Sum of corrected areas:						162117165		

Aromatic EPH 121024.M Tue Dec 10 07:09:08 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD121024AR\
 Data File : FD048864.D
 Signal(s) : FID2B.ch
 Acq On : 10 Dec 2024 04:12
 Operator : YP/AJ
 Sample : 20 PPM AROMATIC HC STD3
 Misc :
 ALS Vial : 73 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 20 PPM AROMATIC HC STD3

Integration File: autoint1.e
 Quant Time: Dec 10 06:01:21 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 121024.M
 Quant Title : GC Extractables
 QLast Update : Tue Dec 10 05:59:54 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...	7.363	3388201	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
6) S 2-Fluorobiphenyl (SURR)	8.213	2136555	20.000 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	40.00%
11) S ortho-Terphenyl (SURR)	11.247	3581810	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.186	3799863	20.000 ug/ml
2) T Naphthalene (C11.7)	5.703	3904840	20.000 ug/ml
3) T 2-Methylnaphthalene (...)	6.750	3719679	20.000 ug/ml
5) T Acenaphthylene (C15.06)	8.014	3748378	20.000 ug/ml
7) T Acenaphthene (C15.5)	8.308	3705723	20.000 ug/ml
8) T Fluorene (C16.55)	9.088	3625415	20.000 ug/ml
9) T Phenanthrene (C19.36)	10.475	3373709	20.000 ug/ml
10) T Anthracene (C19.43)	10.551	3428584	20.000 ug/ml
12) T Fluoranthene (C21.85)	12.279	3317711	20.000 ug/ml
13) T Pyrene (C20.8)	12.572	3247748	20.000 ug/ml
14) T Benzo[a]anthracene (C...	14.441	2785295	20.000 ug/ml
15) T Chrysene (C27.41)	14.482	3157073	20.000 ug/ml
16) T benzo[b]fluoranthene ...	15.988	2791784	20.000 ug/ml
17) T Bnezo[k]fluoranthene ...	16.020	2966008	20.000 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.366	2793165	20.000 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.731	2136680	20.000 ug/ml
20) T Dibenz[a,h]anthracene...	17.771	3027849	20.000 ug/ml
21) T Benzo[g,h,i]perylene ...	17.979	2831954	20.000 ug/ml

(f)=RT Delta > 1/2 Window

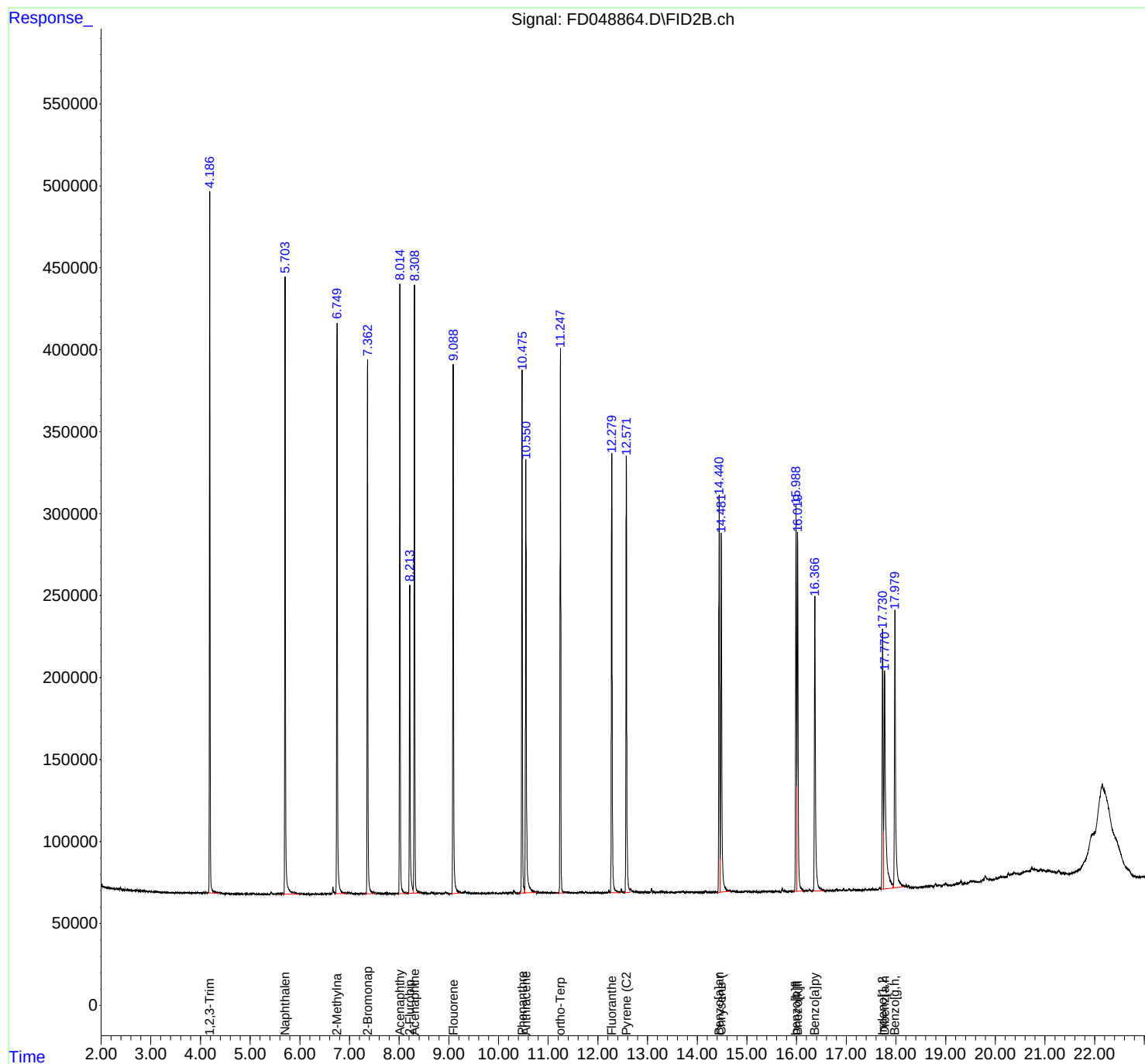
(m)=manual int.

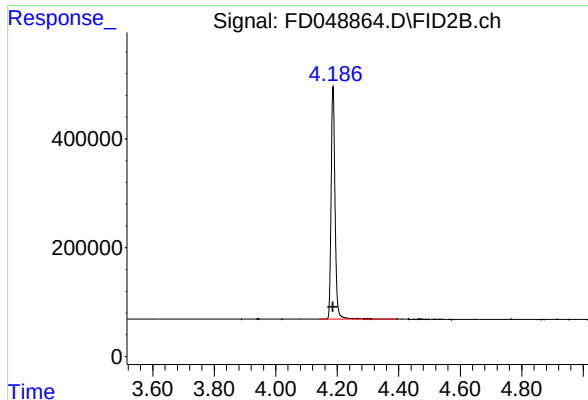
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD121024AR\
Data File : FD048864.D
Signal(s) : FID2B.ch
Acq On : 10 Dec 2024 04:12
Operator : YP/AJ
Sample : 20 PPM AROMATIC HC STD3
Misc :
ALS Vial : 73 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3

Integration File: autoint1.e
Quant Time: Dec 10 06:01:21 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 121024.M
Quant Title : GC Extractables
QLast Update : Tue Dec 10 05:59:54 2024
Response via : Initial Calibration
Integrator: ChemStation

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

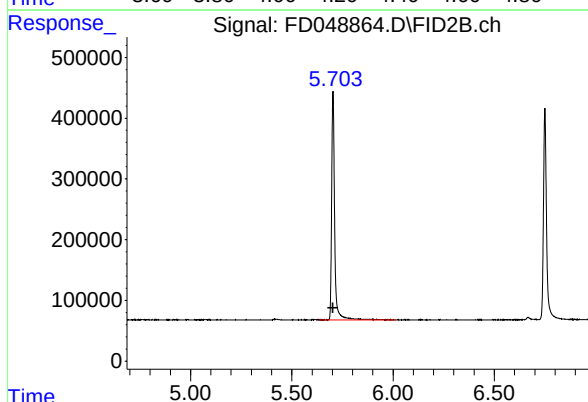




#1 1,2,3-Trimethylbenzene (C10.1)

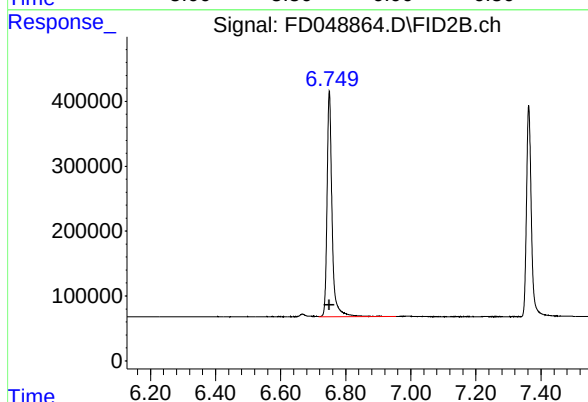
R.T.: 4.186 min
Delta R.T.: 0.000 min
Response: 3799863
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3



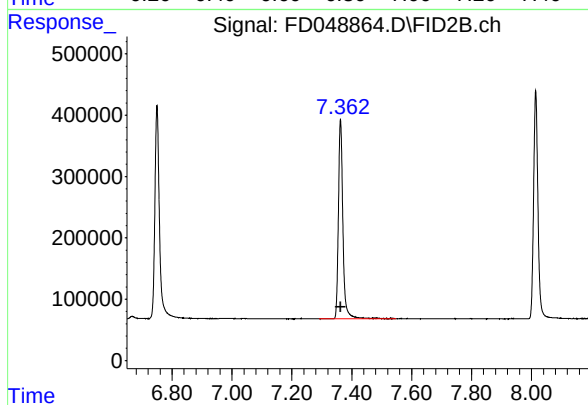
#2 Naphthalene (C11.7)

R.T.: 5.703 min
Delta R.T.: 0.000 min
Response: 3904840
Conc: 20.00 ug/ml



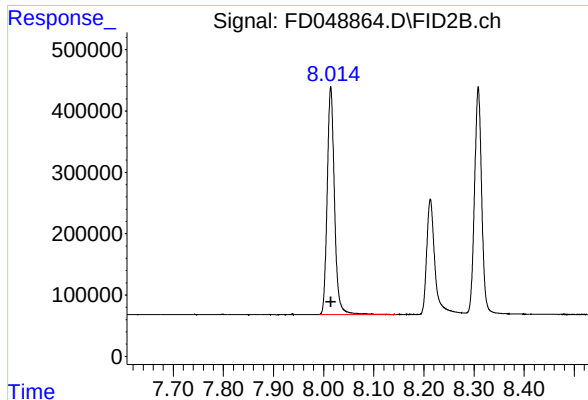
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.750 min
Delta R.T.: 0.000 min
Response: 3719679
Conc: 20.00 ug/ml



#4 2-Bromonaphthalene (SURR)

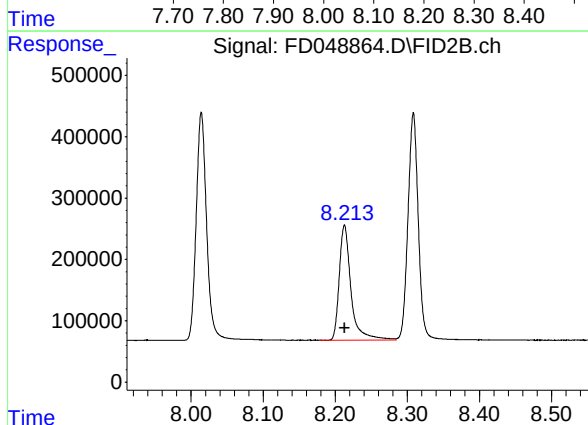
R.T.: 7.363 min
Delta R.T.: 0.000 min
Response: 3388201
Conc: 20.00 ug/ml



#5 Acenaphthylene (C15.06)

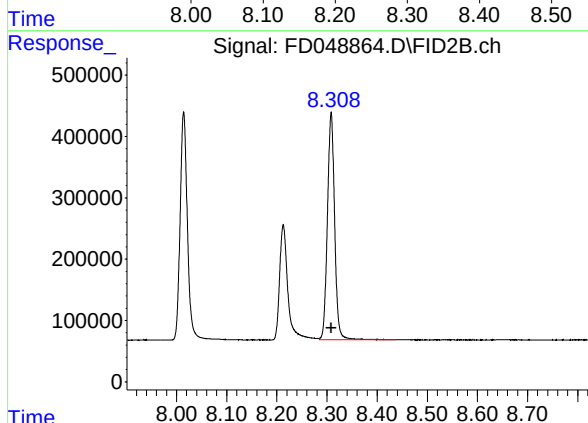
R.T.: 8.014 min
Delta R.T.: 0.000 min
Response: 3748378
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3



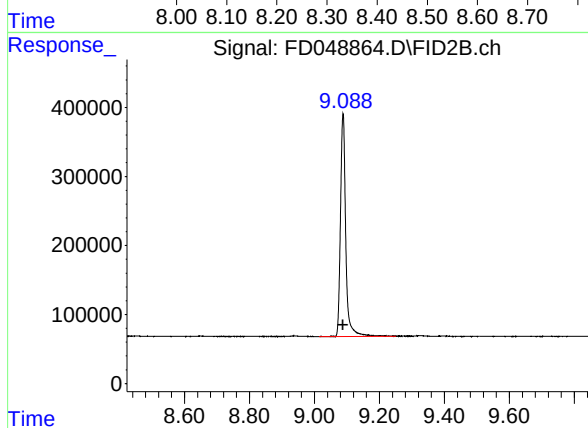
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.213 min
Delta R.T.: 0.000 min
Response: 2136555
Conc: 20.00 ug/ml



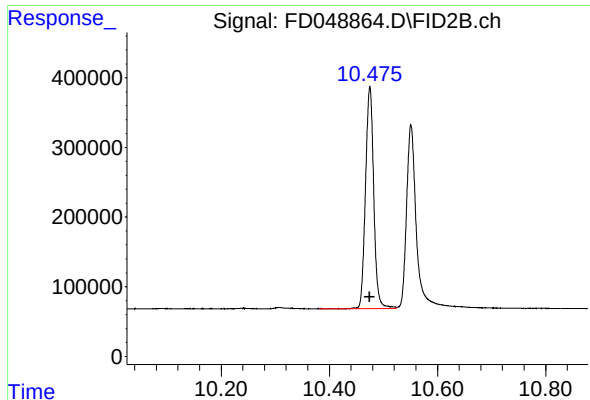
#7 Acenaphthene (C15.5)

R.T.: 8.308 min
Delta R.T.: 0.000 min
Response: 3705723
Conc: 20.00 ug/ml



#8 Flouorene (C16.55)

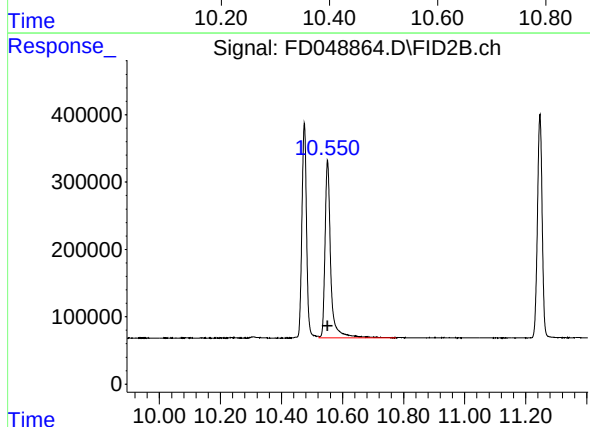
R.T.: 9.088 min
Delta R.T.: 0.000 min
Response: 3625415
Conc: 20.00 ug/ml



#9 Phenanthrene (C19.36)

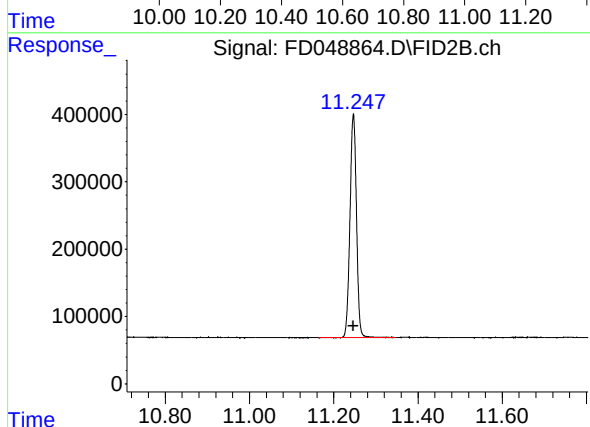
R.T.: 10.475 min
Delta R.T.: 0.000 min
Response: 3373709
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3



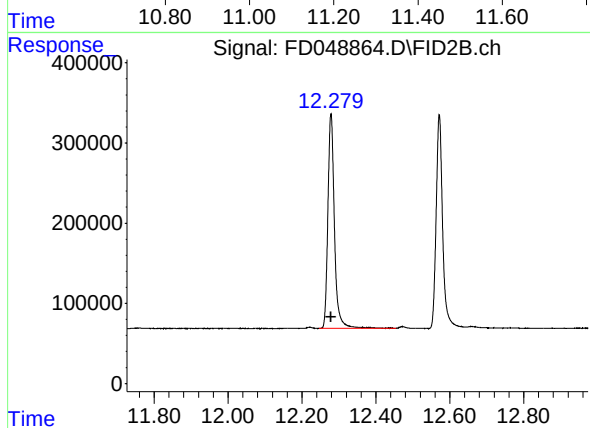
#10 Anthracene (C19.43)

R.T.: 10.551 min
Delta R.T.: 0.000 min
Response: 3428584
Conc: 20.00 ug/ml



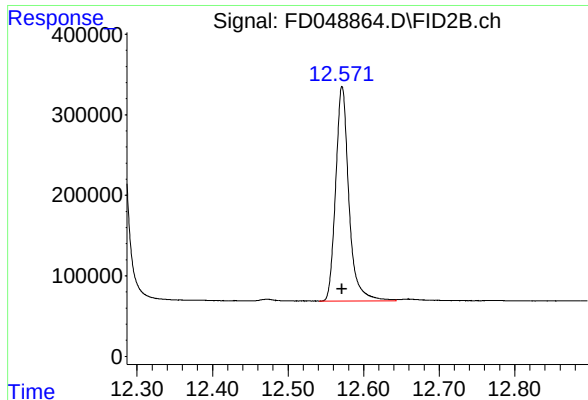
#11 ortho-Terphenyl (SURR)

R.T.: 11.247 min
Delta R.T.: 0.000 min
Response: 3581810
Conc: 20.00 ug/ml



#12 Fluoranthene (C21.85)

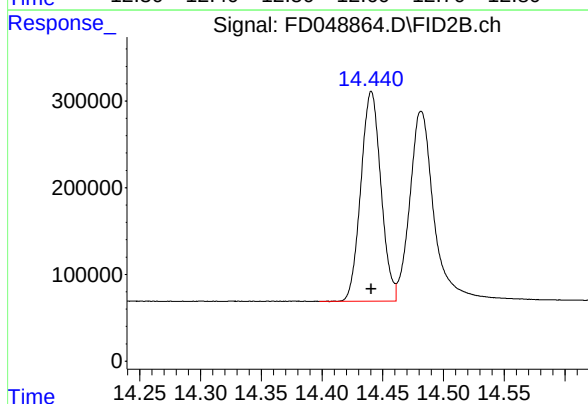
R.T.: 12.279 min
Delta R.T.: 0.000 min
Response: 3317711
Conc: 20.00 ug/ml



#13 Pyrene (C20.8)

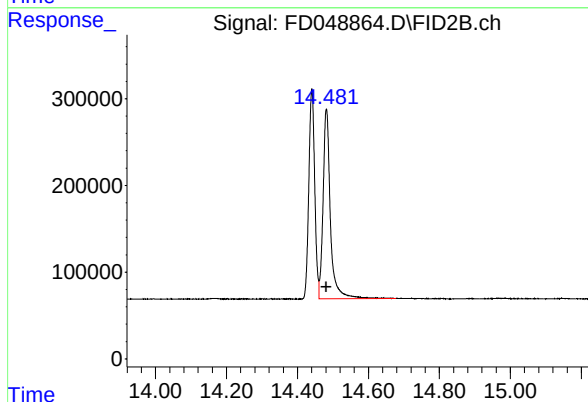
R.T.: 12.572 min
Delta R.T.: 0.000 min
Response: 3247748
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3



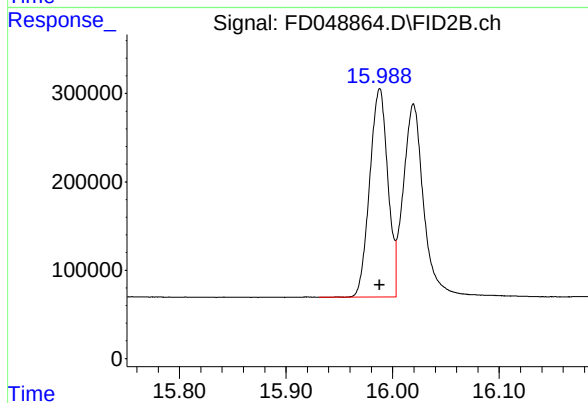
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.441 min
Delta R.T.: 0.000 min
Response: 2785295
Conc: 20.00 ug/ml



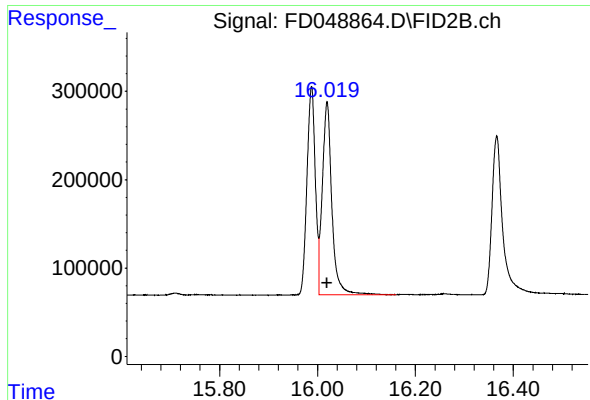
#15 Chrysene (C27.41)

R.T.: 14.482 min
Delta R.T.: 0.000 min
Response: 3157073
Conc: 20.00 ug/ml



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

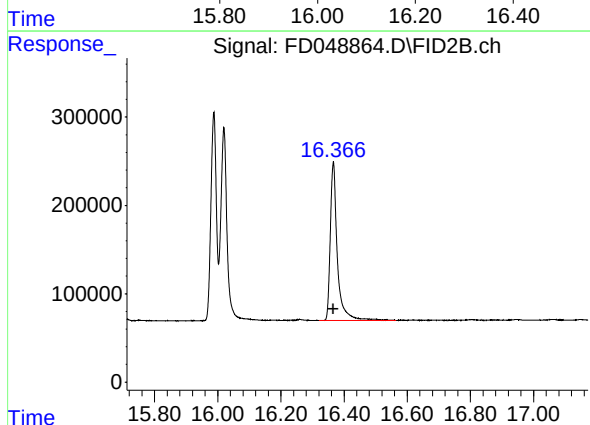
R.T.: 15.988 min
Delta R.T.: 0.000 min
Response: 2791784
Conc: 20.00 ug/ml



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

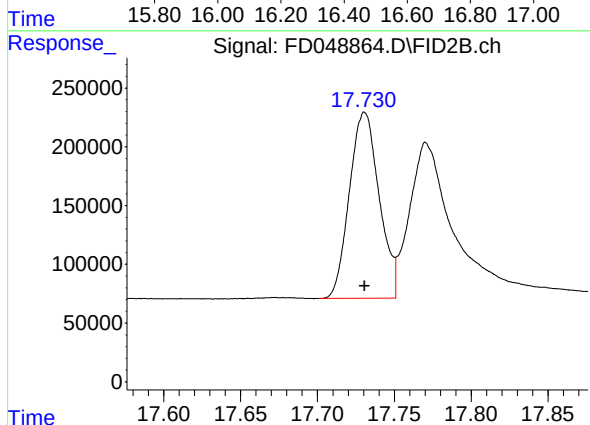
R.T.: 16.020 min
Delta R.T.: 0.000 min
Response: 2966008
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3



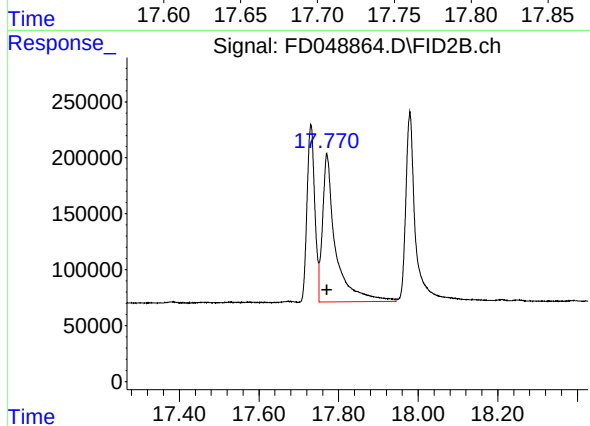
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.366 min
Delta R.T.: 0.000 min
Response: 2793165
Conc: 20.00 ug/ml



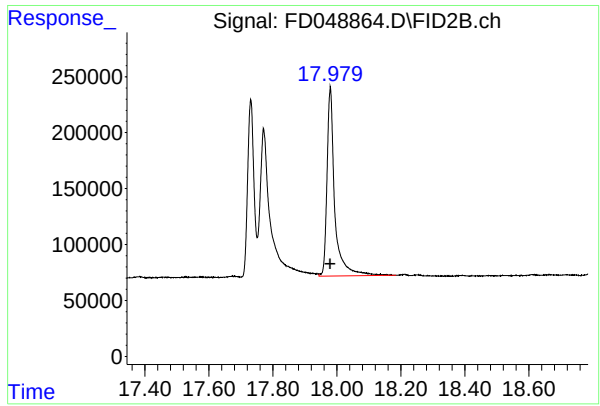
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.731 min
Delta R.T.: 0.000 min
Response: 2136680
Conc: 20.00 ug/ml



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

R.T.: 17.771 min
Delta R.T.: 0.000 min
Response: 3027849
Conc: 20.00 ug/ml



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

R.T.: 17.979 min
Delta R.T.: 0.000 min
Response: 2831954
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\FD121024AR\
Data File : FD048864.D
Signal(s) : FID2B.ch
Acq On : 10 Dec 2024 04:12
Sample : 20 PPM AROMATIC HC STD3
Misc :
ALS Vial : 73 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 121024.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	4.186	4.141	4.391	BB	424412	3799863	97.31%	5.632%
2	5.703	5.635	6.014	VB	372221	3904840	100.00%	5.788%
3	6.750	6.718	6.954	VV	346277	3719679	95.26%	5.513%
4	7.363	7.291	7.548	BB	324535	3388201	86.77%	5.022%
5	8.014	7.991	8.144	BB	371081	3748378	95.99%	5.556%
6	8.213	8.178	8.284	BV	186223	2136555	54.72%	3.167%
7	8.308	8.284	8.438	VV	368117	3705723	94.90%	5.493%
8	9.088	9.014	9.251	PV	322076	3625415	92.84%	5.374%
9	10.475	10.381	10.523	BV	317583	3373709	86.40%	5.000%
10	10.551	10.523	10.775	VV	263763	3428584	87.80%	5.082%
11	11.247	11.165	11.348	PV	331652	3581810	91.73%	5.309%
12	12.279	12.246	12.454	VV	268543	3317711	84.96%	4.917%
13	12.572	12.541	12.643	BV	267108	3247748	83.17%	4.814%
14	14.441	14.398	14.461	BV	242468	2785295	71.33%	4.128%
15	14.482	14.461	14.678	VB	219837	3157073	80.85%	4.679%
16	15.988	15.931	16.003	BV	236061	2791784	71.50%	4.138%
17	16.020	16.003	16.160	VV	218879	2966008	75.96%	4.396%
18	16.366	16.321	16.564	BV	180609	2793165	71.53%	4.140%
19	17.731	17.701	17.751	BV	158582	2136680	54.72%	3.167%
20	17.771	17.751	17.944	VV	132069	3027849	77.54%	4.488%
21	17.979	17.944	18.184	VV	167117	2831954	72.52%	4.197%
Sum of corrected areas:						67468024		

Aromatic EPH 121024.M Tue Dec 10 07:09:33 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD121024AR\
 Data File : FD048865.D
 Signal(s) : FID2B.ch
 Acq On : 10 Dec 2024 04:48
 Operator : YP/AJ
 Sample : 10 PPM AROMATIC HC STD4
 Misc :
 ALS Vial : 74 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 10 PPM AROMATIC HC STD4

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/10/2024
 Supervised By :Ankita Jodhani 12/10/2024

Integration File: autoint1.e
 Quant Time: Dec 10 06:01:32 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 121024.M
 Quant Title : GC Extractables
 QLast Update : Tue Dec 10 05:59:54 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...	7.363	1801246	10.632 ug/ml
Spiked Amount 50.000		Recovery =	21.26%
6) S 2-Fluorobiphenyl (SURR)	8.216	1109904	10.390 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	20.78%
11) S ortho-Terphenyl (SURR)	11.246	1959151	10.939 ug/ml
Spiked Amount 50.000		Recovery =	21.88%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.187	2071069	10.901 ug/ml
2) T Naphthalene (C11.7)	5.704	2131881	10.919 ug/mlm
3) T 2-Methylnaphthalene (...)	6.751	2042623	10.983 ug/ml
5) T Acenaphthylene (C15.06)	8.015	2048400	10.930 ug/ml
7) T Acenaphthene (C15.5)	8.307	2063315	11.136 ug/ml
8) T Fluorene (C16.55)	9.090	1967074	10.852 ug/ml
9) T Phenanthrene (C19.36)	10.475	1818745	10.782 ug/ml
10) T Anthracene (C19.43)	10.553	1860334	10.852 ug/ml
12) T Fluoranthene (C21.85)	12.281	1813128	10.930 ug/ml
13) T Pyrene (C20.8)	12.574	1808967	11.140 ug/ml
14) T Benzo[a]anthracene (C...	14.444	1368072	9.824 ug/ml
15) T Chrysene (C27.41)	14.483	1837551	11.641 ug/ml
16) T benzo[b]fluoranthene ...	15.988	1450632	10.392 ug/ml
17) T Bnezo[k]fluoranthene ...	16.020	1704463	11.493 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.372	1522903	10.904 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.737	1050378	9.832 ug/ml
20) T Dibenz[a,h]anthracene...	17.781	1689181	11.158 ug/ml
21) T Benzo[g,h,i]perylene ...	17.983	1561028	11.024 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD121024AR\
Data File : FD048865.D
Signal(s) : FID2B.ch
Acq On : 10 Dec 2024 04:48
Operator : YP/AJ
Sample : 10 PPM AROMATIC HC STD4
Misc :
ALS Vial : 74 Sample Multiplier: 1

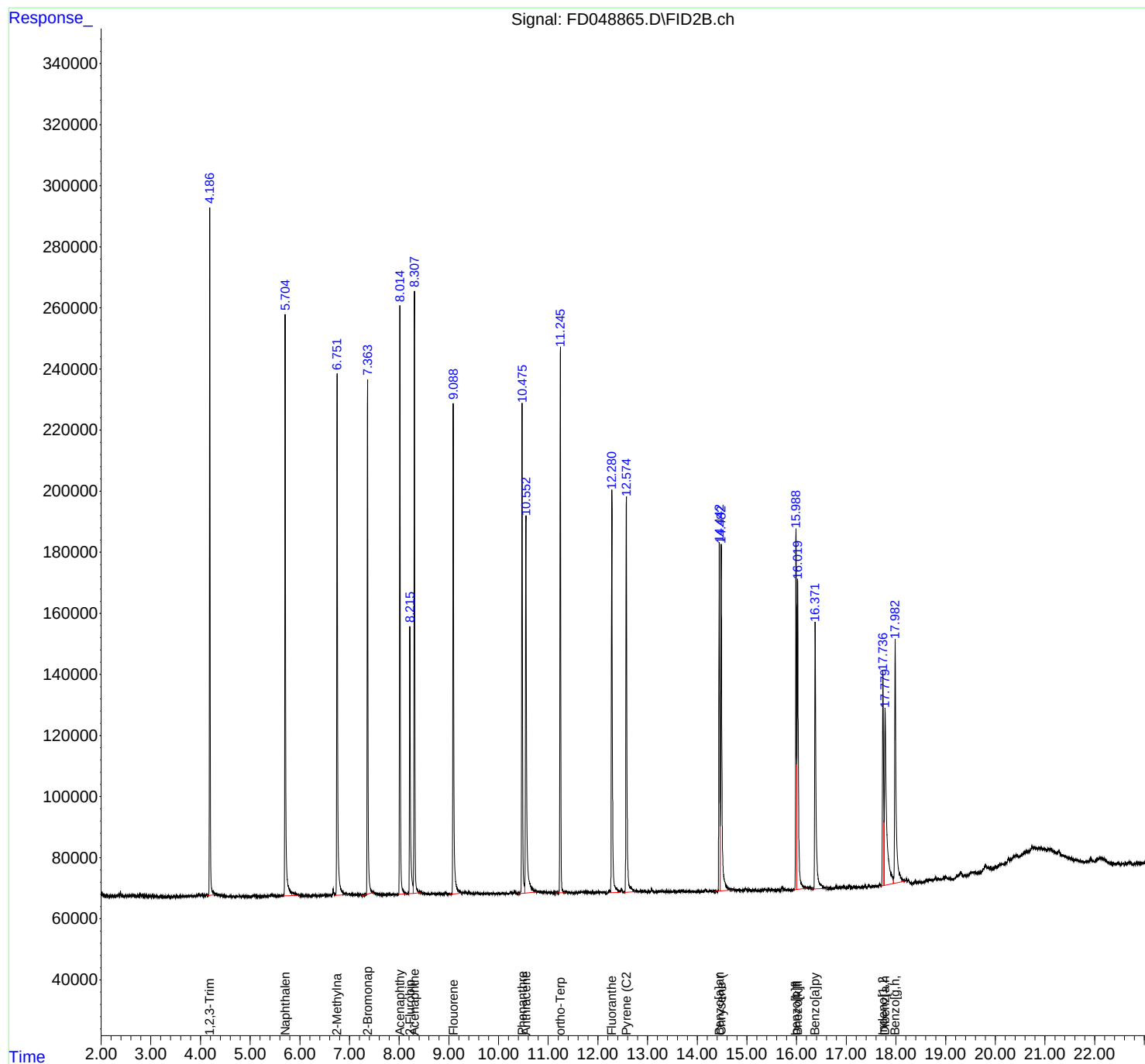
Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4

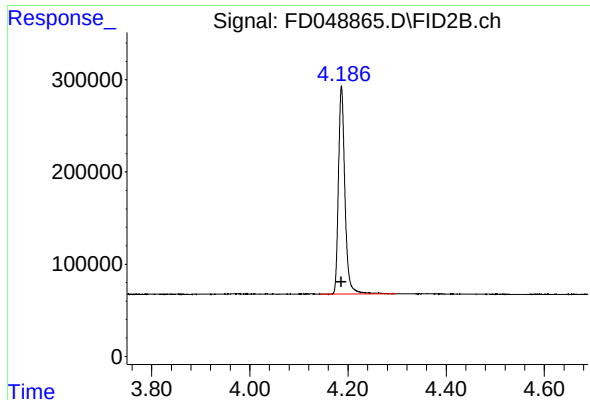
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/10/2024
Supervised By :Ankita Jodhani 12/10/2024

Integration File: autoint1.e
Quant Time: Dec 10 06:01:32 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 121024.M
Quant Title : GC Extractables
QLast Update : Tue Dec 10 05:59:54 2024
Response via : Initial Calibration
Integrator: ChemStation

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





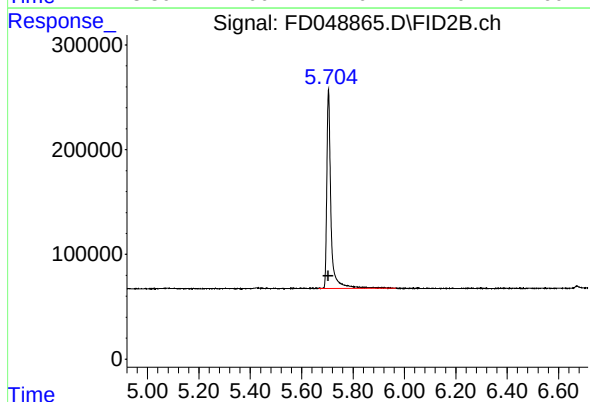
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.187 min
Delta R.T.: 0.001 min
Response: 2071069
Conc: 10.90 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4

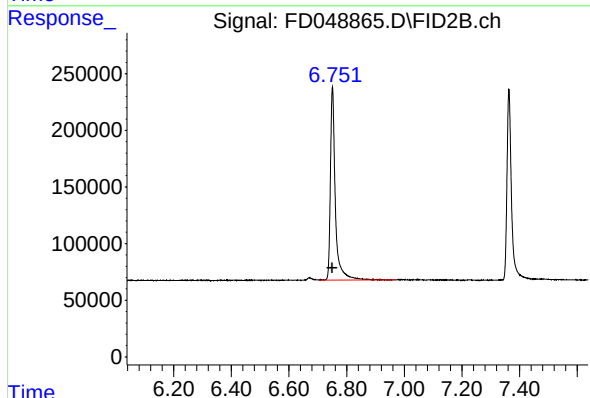
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/10/2024
Supervised By :Ankita Jodhani 12/10/2024



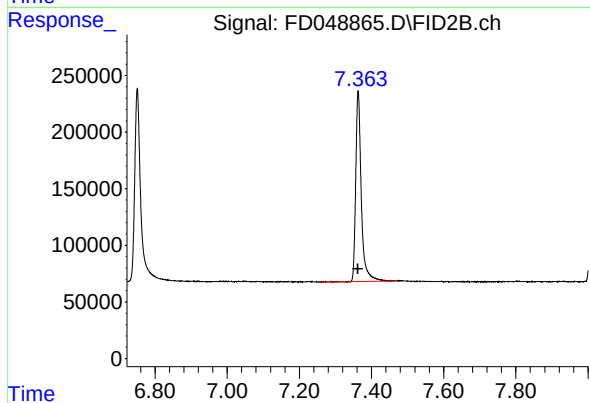
#2 Naphthalene (C11.7)

R.T.: 5.704 min
Delta R.T.: 0.000 min
Response: 2131881
Conc: 10.92 ug/ml m



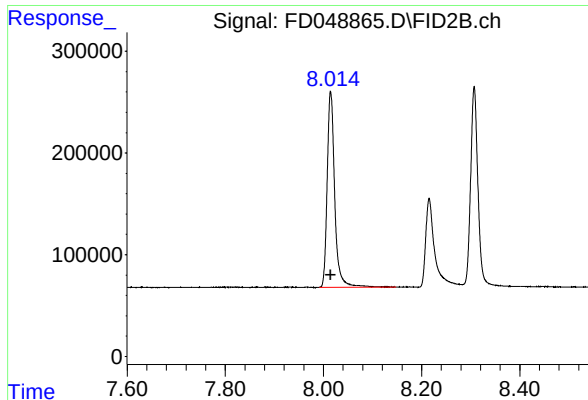
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.751 min
Delta R.T.: 0.001 min
Response: 2042623
Conc: 10.98 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.363 min
Delta R.T.: 0.000 min
Response: 1801246
Conc: 10.63 ug/ml



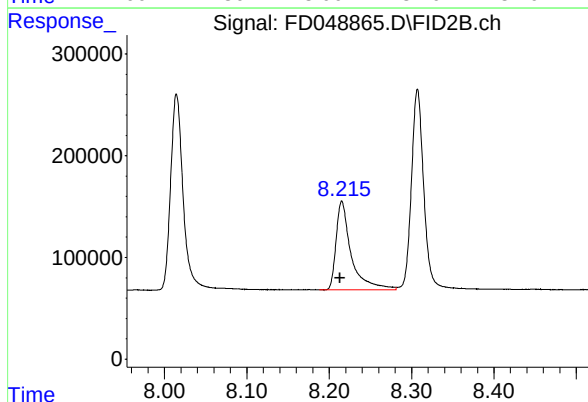
#5 Acenaphthylene (C15.06)

R.T.: 8.015 min
Delta R.T.: 0.000 min
Response: 2048400
Conc: 10.93 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4

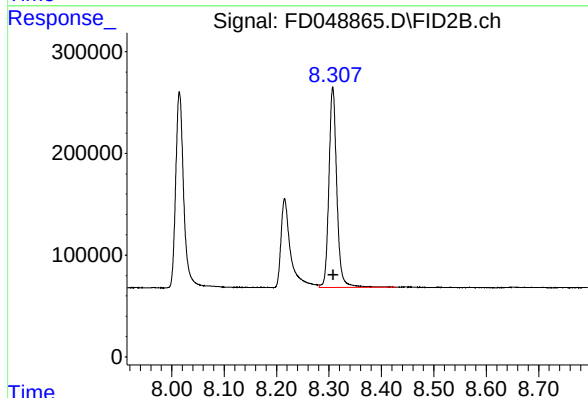
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/10/2024
Supervised By :Ankita Jodhani 12/10/2024



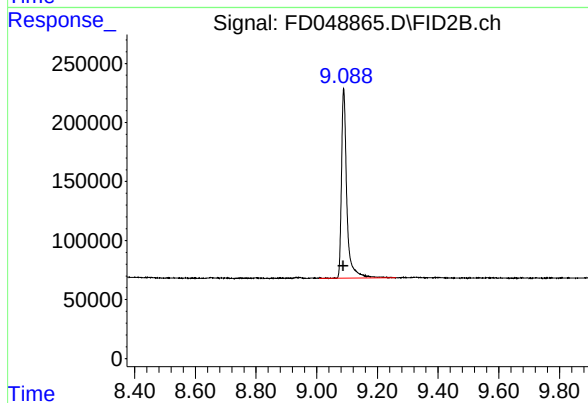
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.216 min
Delta R.T.: 0.003 min
Response: 1109904
Conc: 10.39 ug/ml



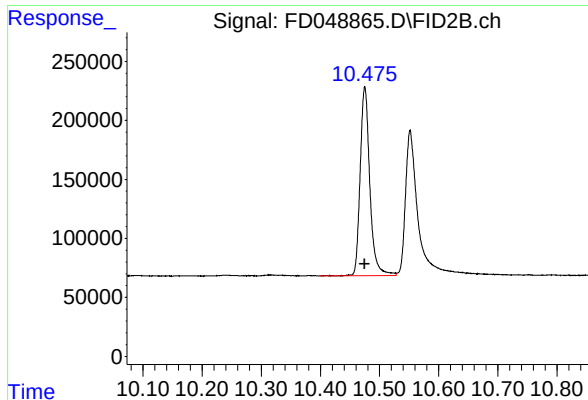
#7 Acenaphthene (C15.5)

R.T.: 8.307 min
Delta R.T.: 0.000 min
Response: 2063315
Conc: 11.14 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.090 min
Delta R.T.: 0.002 min
Response: 1967074
Conc: 10.85 ug/ml



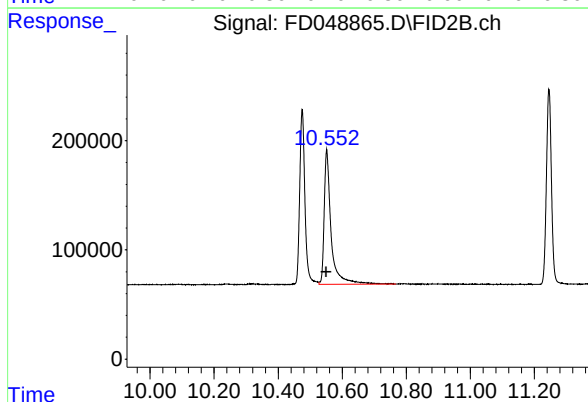
#9 Phenanthrene (C19.36)

R.T.: 10.475 min
Delta R.T.: 0.000 min
Response: 1818745
Conc: 10.78 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4

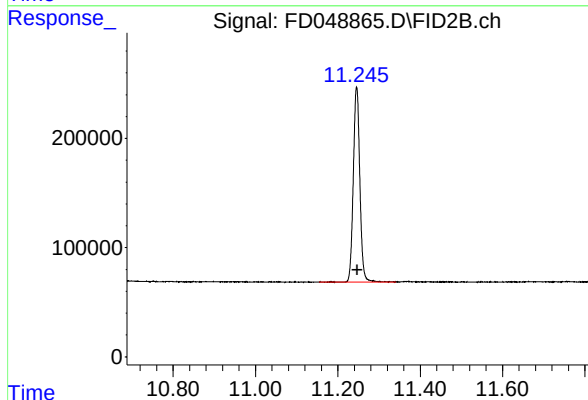
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/10/2024
Supervised By :Ankita Jodhani 12/10/2024



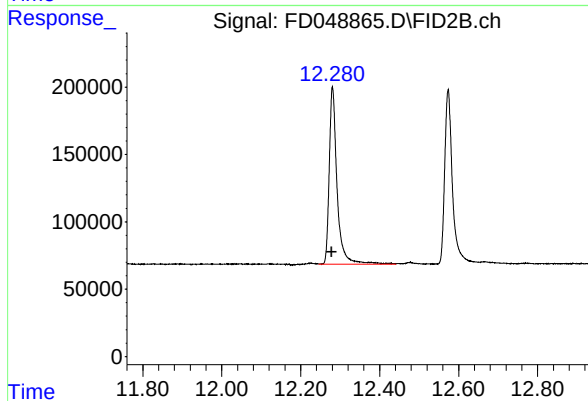
#10 Anthracene (C19.43)

R.T.: 10.553 min
Delta R.T.: 0.002 min
Response: 1860334
Conc: 10.85 ug/ml



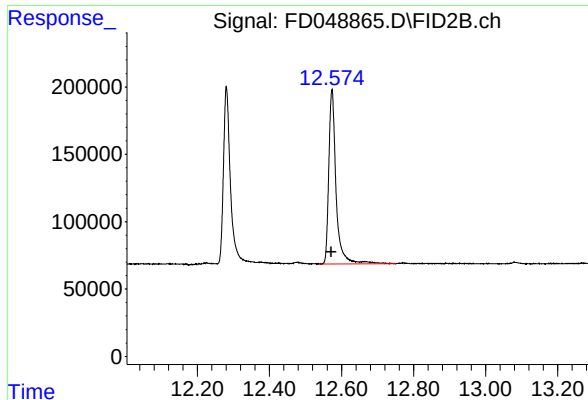
#11 ortho-Terphenyl (SURR)

R.T.: 11.246 min
Delta R.T.: -0.001 min
Response: 1959151
Conc: 10.94 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.281 min
Delta R.T.: 0.003 min
Response: 1813128
Conc: 10.93 ug/ml



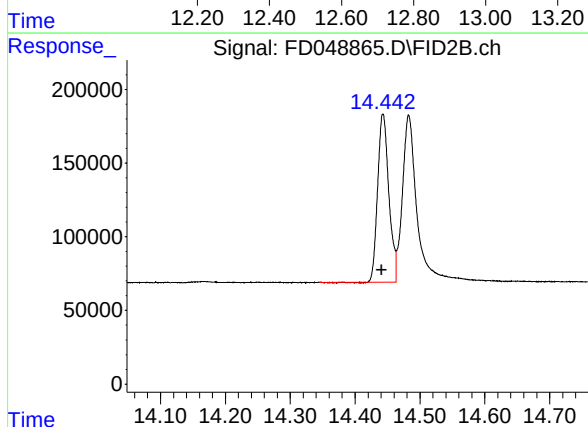
#13 Pyrene (C20.8)

R.T.: 12.574 min
Delta R.T.: 0.002 min
Response: 1808967
Conc: 11.14 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4

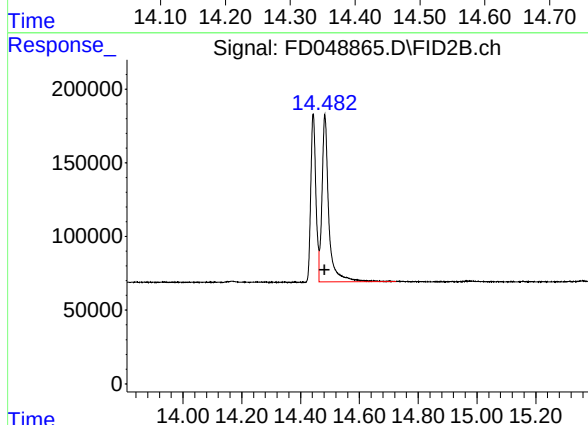
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/10/2024
Supervised By :Ankita Jodhani 12/10/2024



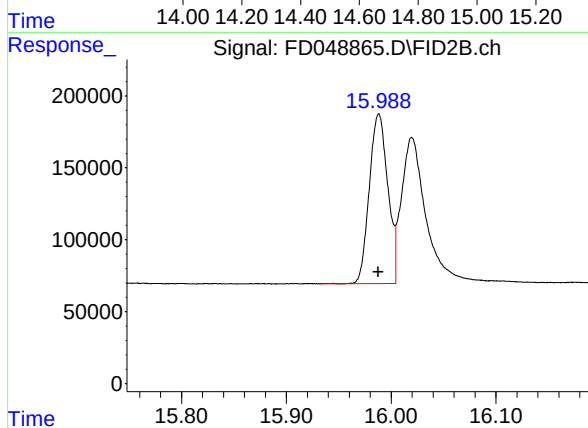
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.444 min
Delta R.T.: 0.003 min
Response: 1368072
Conc: 9.82 ug/ml



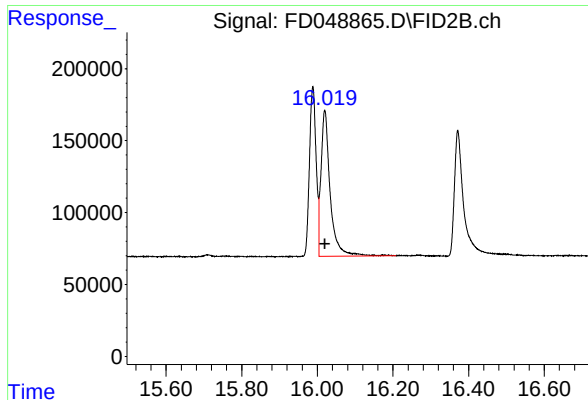
#15 Chrysene (C27.41)

R.T.: 14.483 min
Delta R.T.: 0.001 min
Response: 1837551
Conc: 11.64 ug/ml



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

R.T.: 15.988 min
Delta R.T.: 0.000 min
Response: 1450632
Conc: 10.39 ug/ml



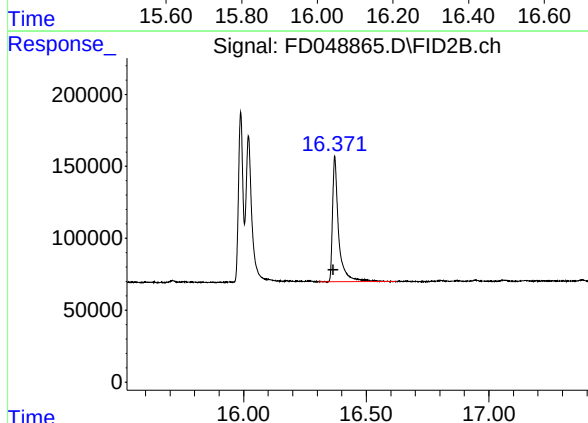
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.020 min
Delta R.T.: 0.000 min
Response: 1704463
Conc: 11.49 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4

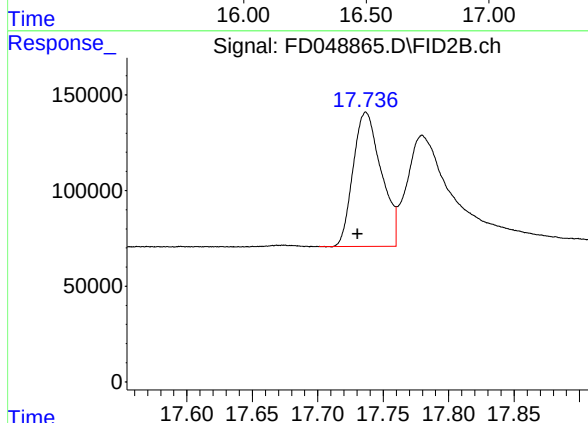
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/10/2024
Supervised By :Ankita Jodhani 12/10/2024



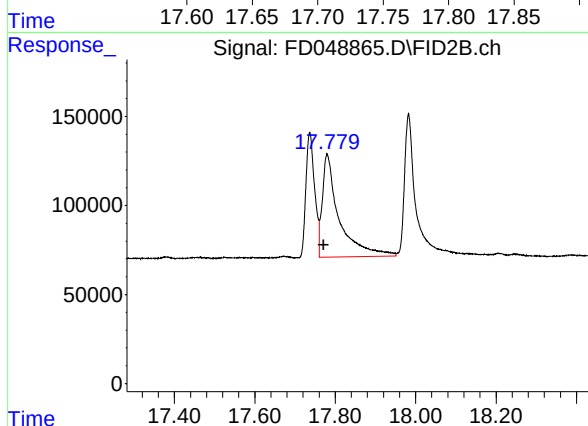
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.372 min
Delta R.T.: 0.006 min
Response: 1522903
Conc: 10.90 ug/ml



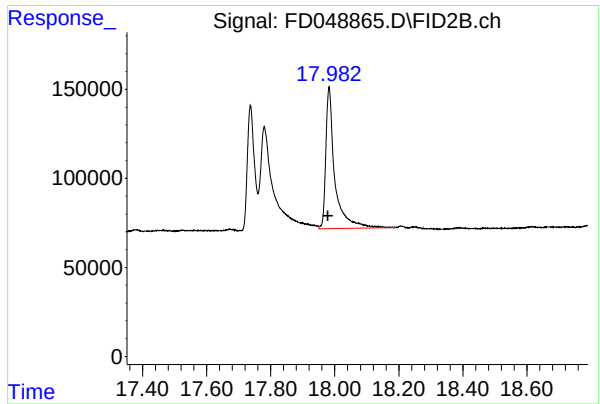
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.737 min
Delta R.T.: 0.007 min
Response: 1050378
Conc: 9.83 ug/ml



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

R.T.: 17.781 min
Delta R.T.: 0.010 min
Response: 1689181
Conc: 11.16 ug/ml



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

R.T.: 17.983 min
Delta R.T.: 0.004 min
Response: 1561028
Conc: 11.02 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/10/2024
Supervised By :Ankita Jodhani 12/10/2024

rteres

Instrument :
FID_D
LabSampleId :
10 PPM AROMATIC HC STD4
Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD12102
Data File : FD048865.D
Signal(s) : FID2B.ch
Acq On : 10 Dec 2024 04:48
Sample : 10 PPM AROMATIC HC STD4
Misc :
ALS Vial : 74 Sample Multiplier: 1

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 12/10/2024
Supervised By :Ankita Jodhani 12/10/2024

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 121024.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	4.187	4.141	4.298	BV	222432	2071069	96.26%	5.643%
2	5.705	5.488	5.974	BB	188880	2151601	100.00%	5.863%
3	6.751	6.704	6.971	VB	170298	2042623	94.94%	5.566%
4	7.363	7.255	7.468	PV	166485	1801246	83.72%	4.908%
5	8.015	7.991	8.148	BB	192145	2048400	95.20%	5.582%
6	8.216	8.188	8.281	BV	82800	1109904	51.59%	3.024%
7	8.308	8.281	8.428	VV	196012	2063315	95.90%	5.622%
8	9.090	9.008	9.261	BV	155815	1967074	91.42%	5.360%
9	10.475	10.398	10.528	BV	159549	1818745	84.53%	4.956%
10	10.553	10.528	10.768	VV	121963	1860334	86.46%	5.069%
11	11.246	11.154	11.341	BV	179084	1959151	91.06%	5.338%
12	12.281	12.246	12.441	VV	130035	1813128	84.27%	4.940%
13	12.574	12.538	12.751	PV	128701	1808967	84.08%	4.929%
14	14.444	14.344	14.463	BV	113009	1368072	63.58%	3.728%
15	14.483	14.463	14.724	VB	112053	1837551	85.40%	5.007%
16	15.988	15.931	16.004	BV	117662	1450632	67.42%	3.953%
17	16.020	16.004	16.208	VB	101231	1704463	79.22%	4.644%
18	16.372	16.308	16.621	BB	86887	1522903	70.78%	4.150%
19	17.737	17.701	17.760	BV	69561	1050378	48.82%	2.862%
20	17.781	17.760	17.951	VV	57090	1689181	78.51%	4.603%
21	17.983	17.951	18.191	VV	78482	1561028	72.55%	4.254%
Sum of corrected areas:						36699766		

Aromatic EPH 121024.M Tue Dec 10 07:09:53 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD121024AR\
 Data File : FD048866.D
 Signal(s) : FID2B.ch
 Acq On : 10 Dec 2024 05:24
 Operator : YP/AJ
 Sample : 5 PPM AROMATIC HC STD5
 Misc :
 ALS Vial : 75 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 5 PPM AROMATIC HC STD5

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/10/2024
 Supervised By :Ankita Jodhani 12/10/2024

Integration File: autoint1.e
 Quant Time: Dec 10 06:02:03 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 121024.M
 Quant Title : GC Extractables
 QLast Update : Tue Dec 10 05:59:54 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...	7.368	863222	5.095 ug/ml
Spiked Amount 50.000		Recovery =	10.19%
6) S 2-Fluorobiphenyl (SURR)	8.227	437018	4.091 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	8.18%
11) S ortho-Terphenyl (SURR)	11.248	882460	4.927 ug/ml
Spiked Amount 50.000		Recovery =	9.85%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.189	947332	4.986 ug/ml
2) T Naphthalene (C11.7)	5.708	897541	4.597 ug/mlm
3) T 2-Methylnaphthalene (...)	6.757	895007	4.812 ug/ml
5) T Acenaphthylene (C15.06)	8.019	924981	4.935 ug/ml
7) T Acenaphthene (C15.5)	8.310	948924	5.121 ug/ml
8) T Fluorene (C16.55)	9.096	839037	4.629 ug/ml
9) T Phenanthrene (C19.36)	10.483	780930	4.630 ug/ml
10) T Anthracene (C19.43)	10.564	818431	4.774 ug/ml
12) T Fluoranthene (C21.85)	12.291	777996	4.690 ug/ml
13) T Pyrene (C20.8)	12.580	787810	4.851 ug/ml
14) T Benzo[a]anthracene (C...	14.455	507076	3.641 ug/ml
15) T Chrysene (C27.41)	14.492	883975	5.600 ug/ml
16) T benzo[b]fluoranthene ...	15.999	564845	4.046 ug/ml
17) T Bnezo[k]fluoranthene ...	16.032	836054	5.638 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.389	684346	4.900 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.759	396470	3.711 ug/ml
20) T Dibenz[a,h]anthracene...	17.803	701278	4.632 ug/mlm
21) T Benzo[g,h,i]perylene ...	17.996	687081	4.852 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD121024AR\
Data File : FD048866.D
Signal(s) : FID2B.ch
Acq On : 10 Dec 2024 05:24
Operator : YP/AJ
Sample : 5 PPM AROMATIC HC STD5
Misc :
ALS Vial : 75 Sample Multiplier: 1

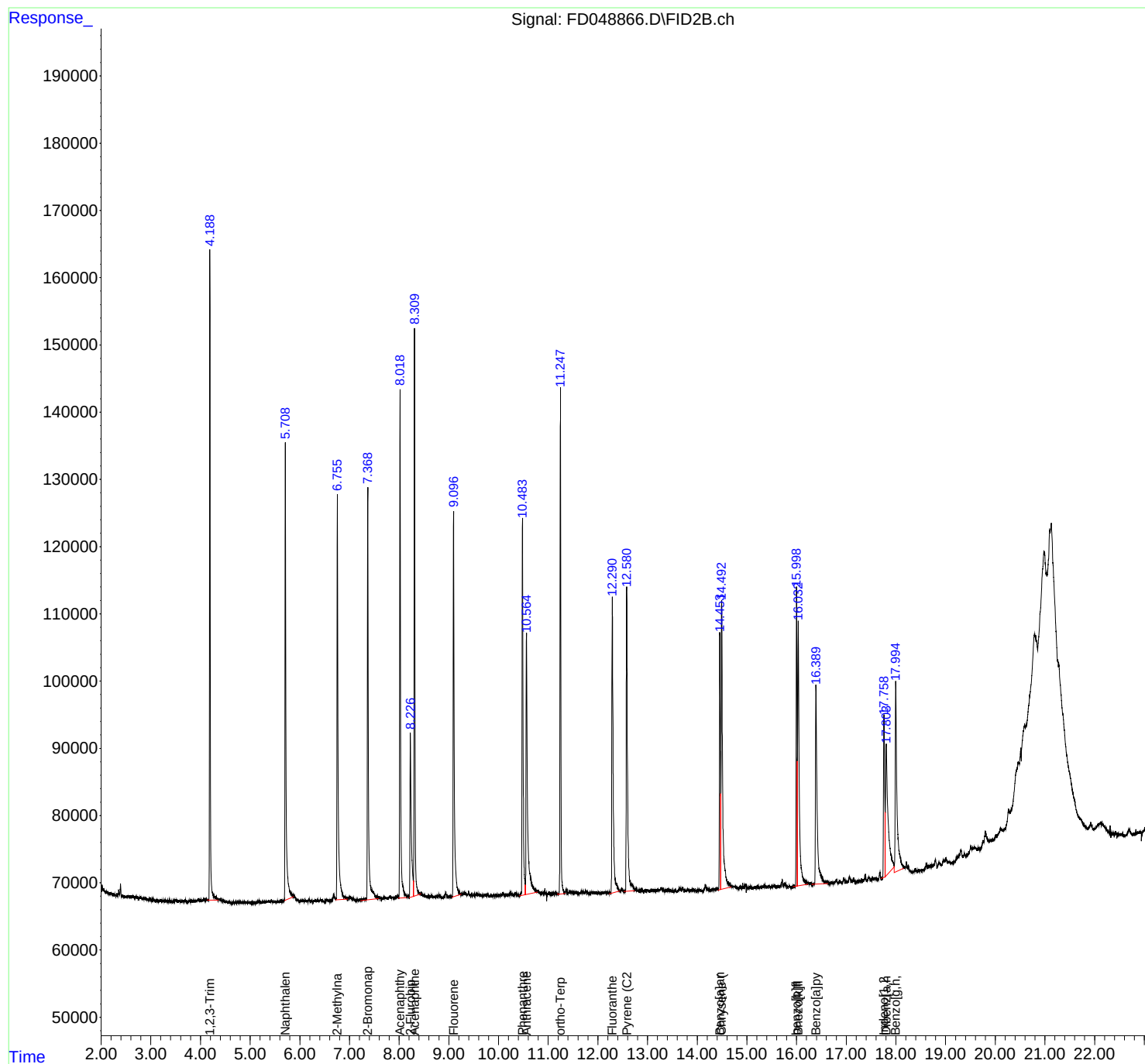
Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5

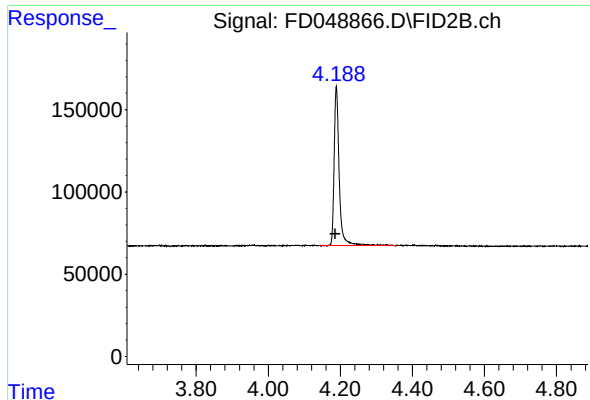
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/10/2024
Supervised By :Ankita Jodhani 12/10/2024

Integration File: autoint1.e
Quant Time: Dec 10 06:02:03 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 121024.M
Quant Title : GC Extractables
QLast Update : Tue Dec 10 05:59:54 2024
Response via : Initial Calibration
Integrator: ChemStation

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





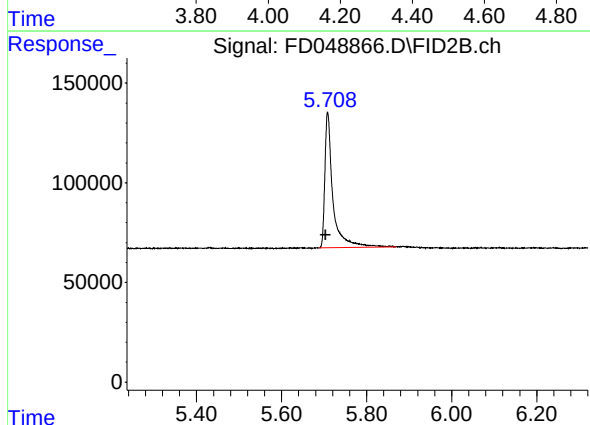
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.189 min
Delta R.T.: 0.003 min
Response: 947332
Conc: 4.99 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5

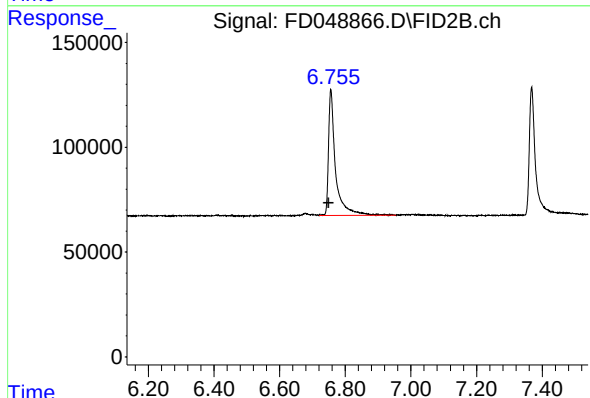
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/10/2024
Supervised By :Ankita Jodhani 12/10/2024



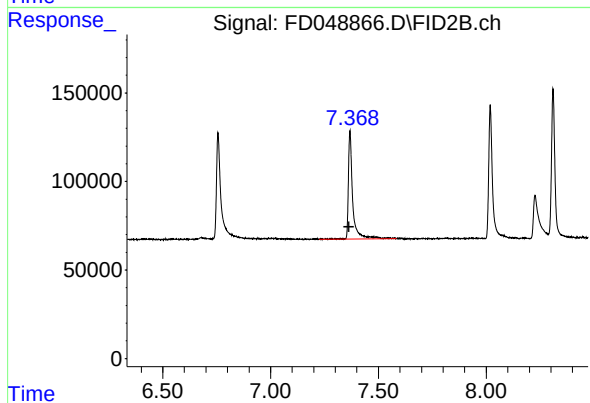
#2 Naphthalene (C11.7)

R.T.: 5.708 min
Delta R.T.: 0.004 min
Response: 897541
Conc: 4.60 ug/ml m



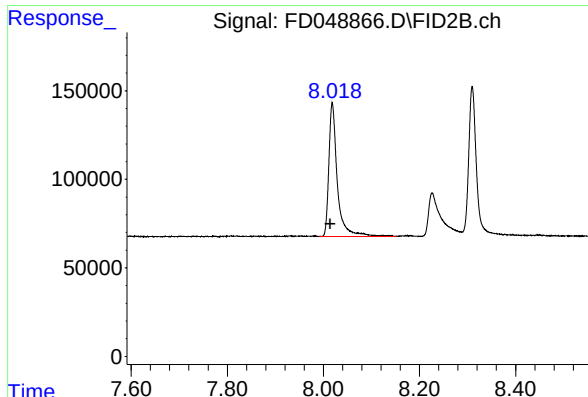
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.757 min
Delta R.T.: 0.007 min
Response: 895007
Conc: 4.81 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.368 min
Delta R.T.: 0.006 min
Response: 863222
Conc: 5.10 ug/ml



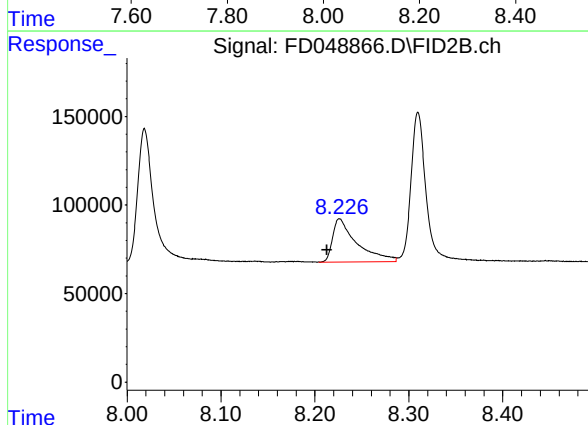
#5 Acenaphthylene (C15.06)

R.T.: 8.019 min
Delta R.T.: 0.004 min
Response: 924981
Conc: 4.94 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5

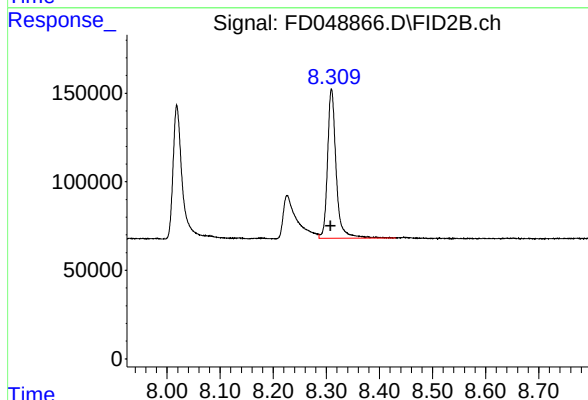
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/10/2024
Supervised By :Ankita Jodhani 12/10/2024



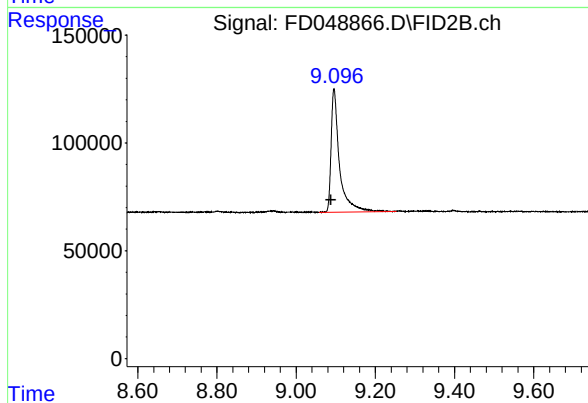
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.227 min
Delta R.T.: 0.014 min
Response: 437018
Conc: 4.09 ug/ml



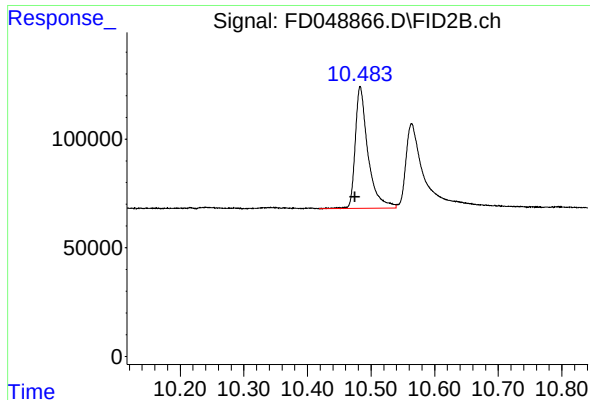
#7 Acenaphthene (C15.5)

R.T.: 8.310 min
Delta R.T.: 0.002 min
Response: 948924
Conc: 5.12 ug/ml



#8 Fluorene (C16.55)

R.T.: 9.096 min
Delta R.T.: 0.008 min
Response: 839037
Conc: 4.63 ug/ml



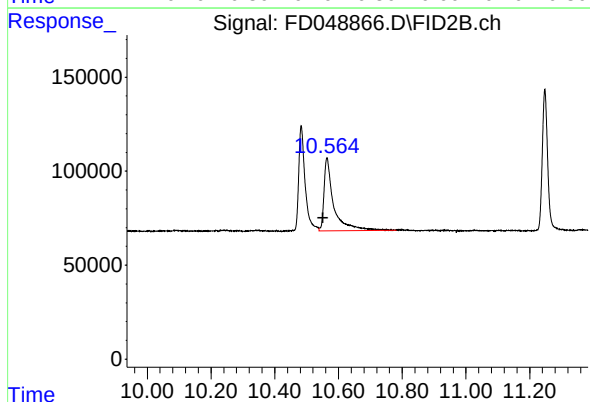
#9 Phenanthrene (C19.36)

R.T.: 10.483 min
Delta R.T.: 0.009 min
Response: 780930
Conc: 4.63 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5

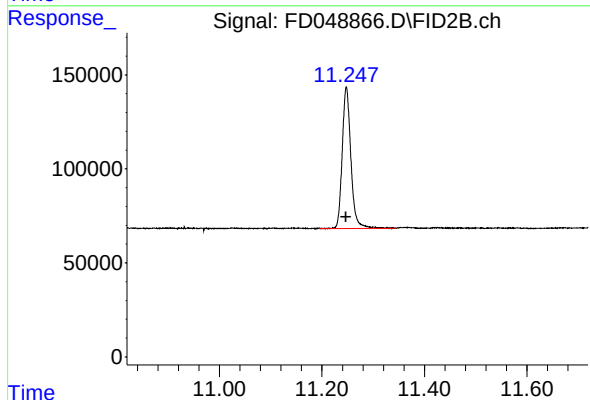
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/10/2024
Supervised By :Ankita Jodhani 12/10/2024



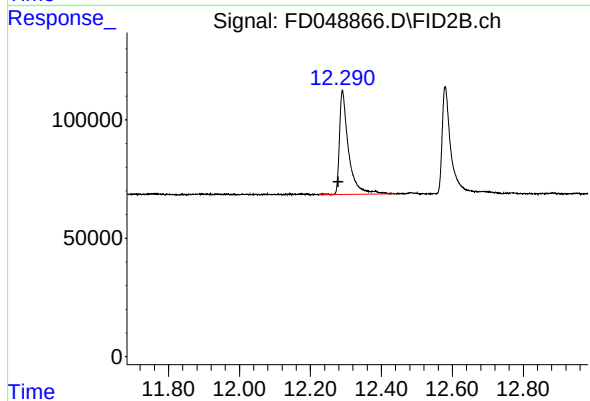
#10 Anthracene (C19.43)

R.T.: 10.564 min
Delta R.T.: 0.013 min
Response: 818431
Conc: 4.77 ug/ml



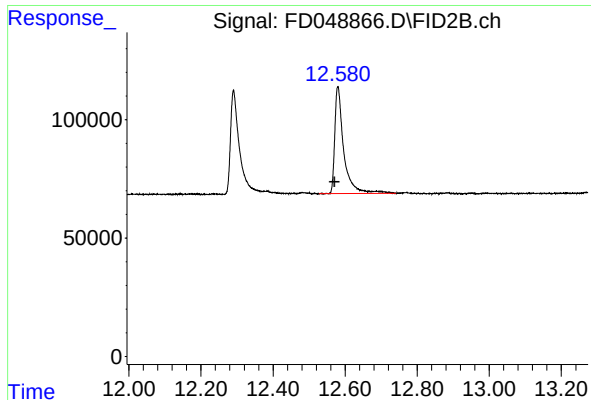
#11 ortho-Terphenyl (SURR)

R.T.: 11.248 min
Delta R.T.: 0.001 min
Response: 882460
Conc: 4.93 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.291 min
Delta R.T.: 0.012 min
Response: 777996
Conc: 4.69 ug/ml



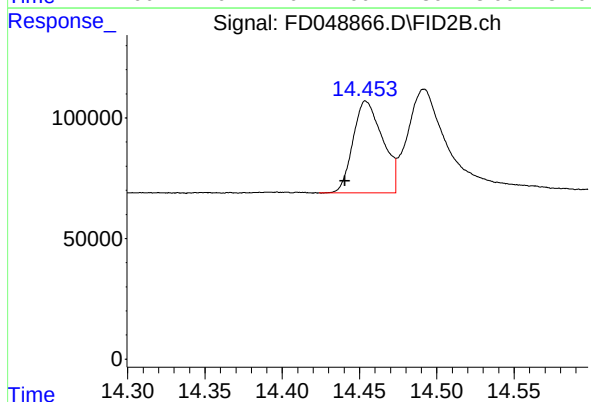
#13 Pyrene (C20.8)

R.T.: 12.580 min
Delta R.T.: 0.009 min
Response: 787810
Conc: 4.85 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5

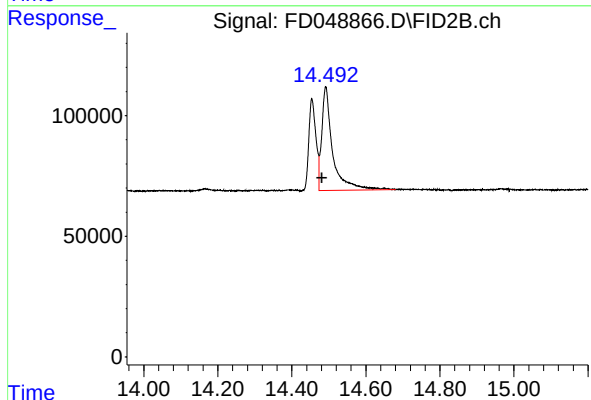
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/10/2024
Supervised By :Ankita Jodhani 12/10/2024



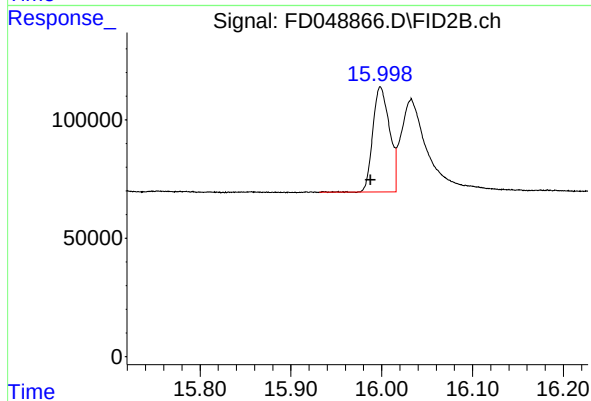
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.455 min
Delta R.T.: 0.014 min
Response: 507076
Conc: 3.64 ug/ml



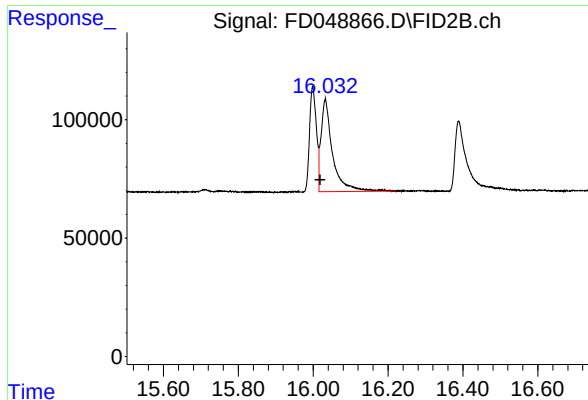
#15 Chrysene (C27.41)

R.T.: 14.492 min
Delta R.T.: 0.010 min
Response: 883975
Conc: 5.60 ug/ml



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

R.T.: 15.999 min
Delta R.T.: 0.011 min
Response: 564845
Conc: 4.05 ug/ml



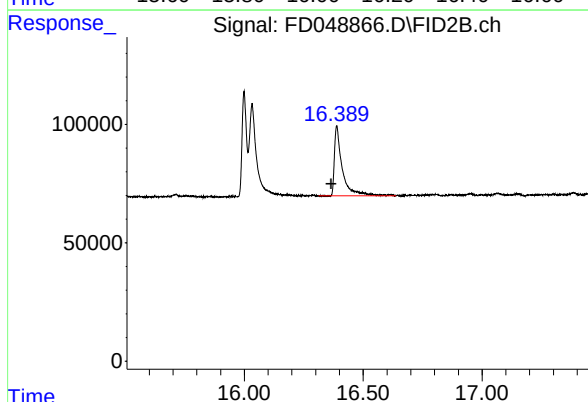
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.032 min
Delta R.T.: 0.013 min
Response: 836054
Conc: 5.64 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5

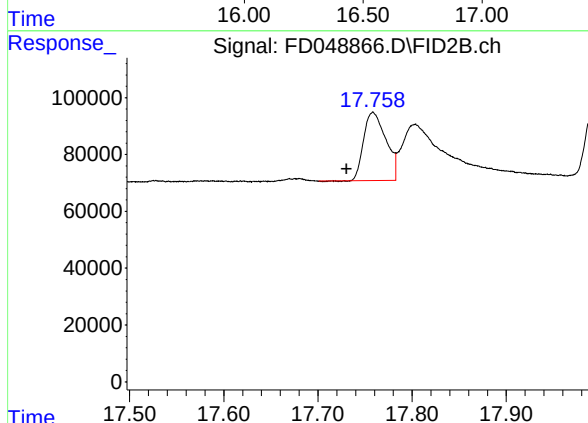
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/10/2024
Supervised By :Ankita Jodhani 12/10/2024



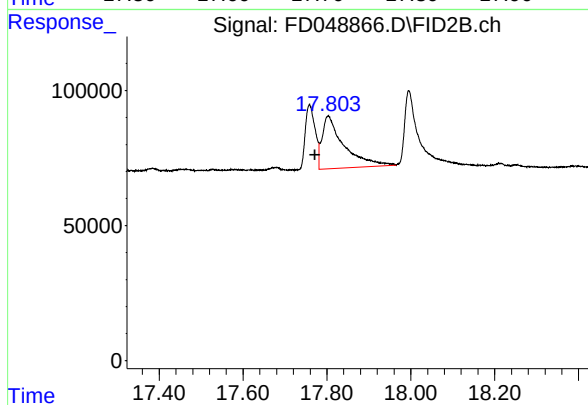
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.389 min
Delta R.T.: 0.023 min
Response: 684346
Conc: 4.90 ug/ml



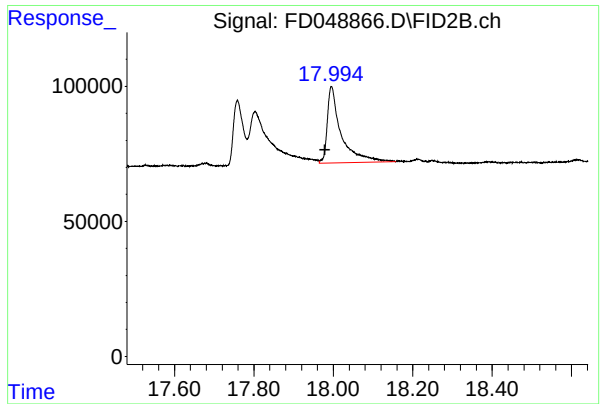
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.759 min
Delta R.T.: 0.028 min
Response: 396470
Conc: 3.71 ug/ml



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

R.T.: 17.803 min
Delta R.T.: 0.032 min
Response: 701278
Conc: 4.63 ug/ml m



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

R.T.: 17.996 min
Delta R.T.: 0.017 min
Response: 687081
Conc: 4.85 ug/ml

Instrument :

FID_D

ClientSampleId :

5 PPM AROMATIC HC STD5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/10/2024
Supervised By :Ankita Jodhani 12/10/2024

Instrument :
FID_D
LabSampleId :
5 PPM AROMATIC HC STD5
Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 12/10/2024
Supervised By :Ankita Jodhani 12/10/2024

nteres

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD12102
Data File : FD048866.D
Signal(s) : FID2B.ch
Acq On : 10 Dec 2024 05:24
Sample : 5 PPM AROMATIC HC STD5
Misc :
ALS Vial : 75 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 121024.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	4.189	4.141	4.354	BB	96180	947332	99.83%	5.896%
2	5.709	5.504	5.874	BV	68017	868319	91.51%	5.404%
3	6.757	6.720	6.954	VV	58927	895007	94.32%	5.570%
4	7.368	7.225	7.581	VV	60961	863222	90.97%	5.372%
5	8.019	7.991	8.151	BV	75240	924981	97.48%	5.757%
6	8.227	8.204	8.286	PV	24121	437018	46.05%	2.720%
7	8.310	8.286	8.431	VV	83714	948924	100.00%	5.906%
8	9.096	9.058	9.252	BV	57359	839037	88.42%	5.222%
9	10.483	10.418	10.539	PV	55264	780930	82.30%	4.860%
10	10.564	10.539	10.780	VV	38785	818431	86.25%	5.094%
11	11.248	11.194	11.344	BV	75144	882460	93.00%	5.492%
12	12.291	12.224	12.441	PB	43647	777996	81.99%	4.842%
13	12.580	12.528	12.741	BV	45032	787810	83.02%	4.903%
14	14.455	14.424	14.473	PV	37959	507076	53.44%	3.156%
15	14.492	14.473	14.681	VB	42972	883975	93.16%	5.502%
16	15.999	15.931	16.016	BV	44293	564845	59.52%	3.515%
17	16.032	16.016	16.221	VV	38834	836054	88.11%	5.203%
18	16.389	16.314	16.638	BB	29661	684346	72.12%	4.259%
19	17.759	17.701	17.783	BV	23979	396470	41.78%	2.467%
20	17.803	17.783	17.964	VV	19606	736450	77.61%	4.583%
21	17.996	17.964	18.158	VV	28378	687081	72.41%	4.276%
Sum of corrected areas:						16067761		

Aromatic EPH 121024.M Tue Dec 10 07:10:52 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD121024AR\
 Data File : FD048867.D
 Signal(s) : FID2B.ch
 Acq On : 10 Dec 2024 06:01
 Operator : YP/AJ
 Sample : 20 PPM AROMATIC HC STD ICV
 Misc :
 ALS Vial : 76 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 20 PPM AROMATIC HC STD ICV

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/10/2024
 Supervised By :Ankita Jodhani 12/10/2024

Integration File: autoint1.e
 Quant Time: Dec 10 07:06:10 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 121024.M
 Quant Title : GC Extractables
 QLast Update : Tue Dec 10 06:07:50 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...	7.363	3313381	19.672 ug/ml
Spiked Amount 50.000		Recovery =	39.34%
6) S 2-Fluorobiphenyl (SURR)	8.213	2069271	20.030 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	40.06%
11) S ortho-Terphenyl (SURR)	11.246	3446740	19.401 ug/ml
Spiked Amount 50.000		Recovery =	38.80%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.186	3701153	19.548 ug/ml
2) T Naphthalene (C11.7)	5.703	3740432	19.575 ug/ml
3) T 2-Methylnaphthalene (...)	6.750	3629123	19.640 ug/ml
5) T Acenaphthylene (C15.06)	8.014	3654040	19.579 ug/ml
7) T Acenaphthene (C15.5)	8.308	3616915	19.421 ug/ml
8) T Fluorene (C16.55)	9.088	3518743	19.692 ug/ml
9) T Phenanthrene (C19.36)	10.474	3288341	19.688 ug/ml
10) T Anthracene (C19.43)	10.551	3378394	19.905 ug/ml
12) T Fluoranthene (C21.85)	12.279	3234389	19.760 ug/ml
13) T Pyrene (C20.8)	12.571	3220981	19.804 ug/ml
14) T Benzo[a]anthracene (C...	14.440	2679502	20.282 ug/ml
15) T Chrysene (C27.41)	14.482	3056237	18.931 ug/ml
16) T benzo[b]fluoranthene ...	15.987	2683723	19.934 ug/mlm
17) T Bnezo[k]fluoranthene ...	16.018	2817570	18.498 ug/mlm
18) T Benzo[a]pyrene (C31.34)	16.365	2721975	19.680 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.729	2035411	19.099 ug/ml
20) T Dibenz[a,h]anthracene...	17.770	2920346	20.137 ug/ml
21) T Benzo[g,h,i]perylene ...	17.978	2749325	19.609 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD121024AR\
Data File : FD048867.D
Signal(s) : FID2B.ch
Acq On : 10 Dec 2024 06:01
Operator : YP/AJ
Sample : 20 PPM AROMATIC HC STD ICV
Misc :
ALS Vial : 76 Sample Multiplier: 1

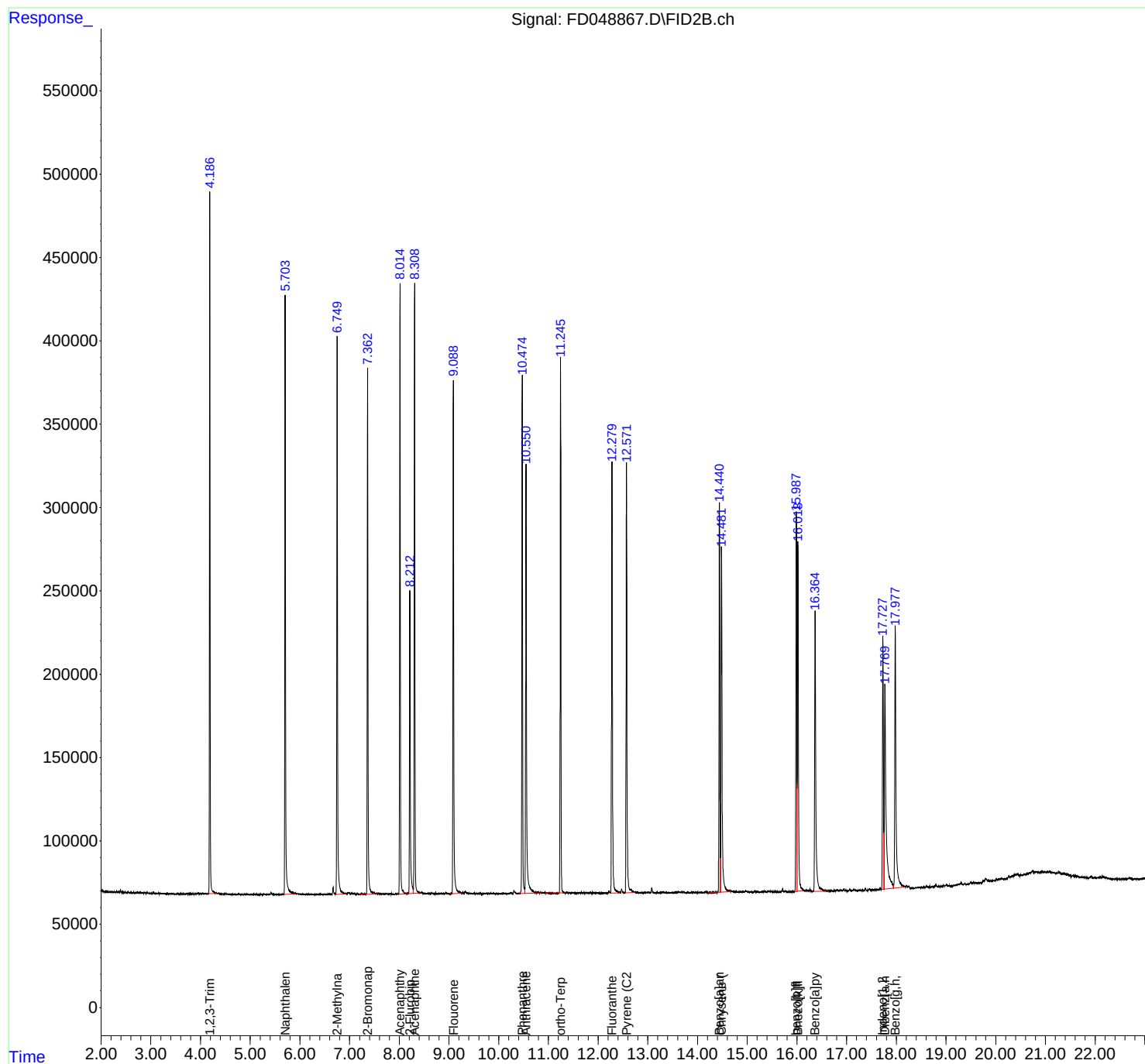
Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD ICV

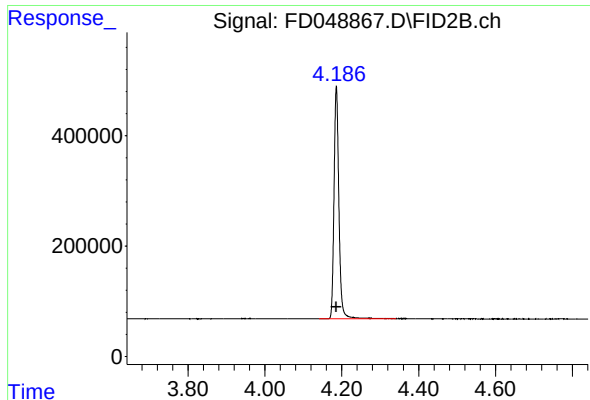
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/10/2024
Supervised By :Ankita Jodhani 12/10/2024

Integration File: autoint1.e
Quant Time: Dec 10 07:06:10 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 121024.M
Quant Title : GC Extractables
QLast Update : Tue Dec 10 06:07:50 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.: 4.186 min
Delta R.T.: 0.000 min
Response: 3701153
Conc: 19.55 ug/ml

Instrument :

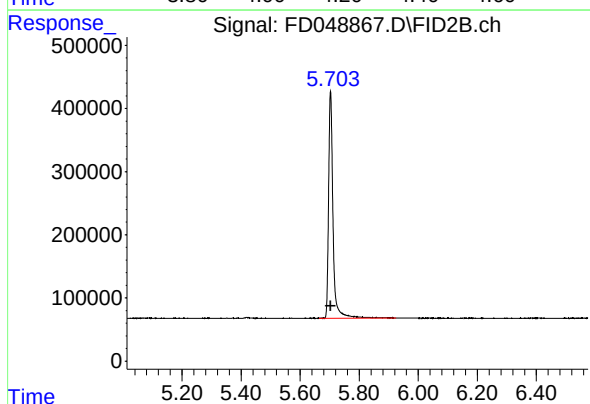
FID_D

ClientSampleId :

20 PPM AROMATIC HC STD ICV

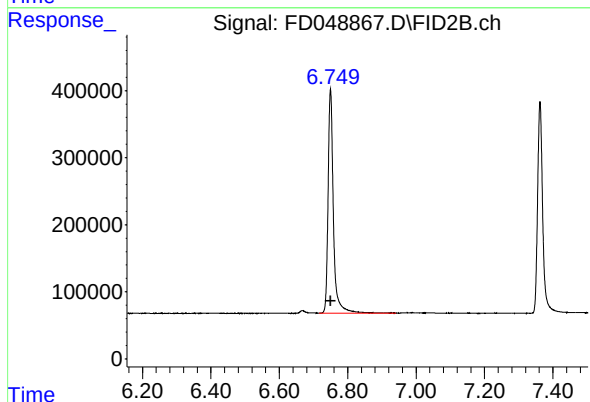
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/10/2024
Supervised By :Ankita Jodhani 12/10/2024



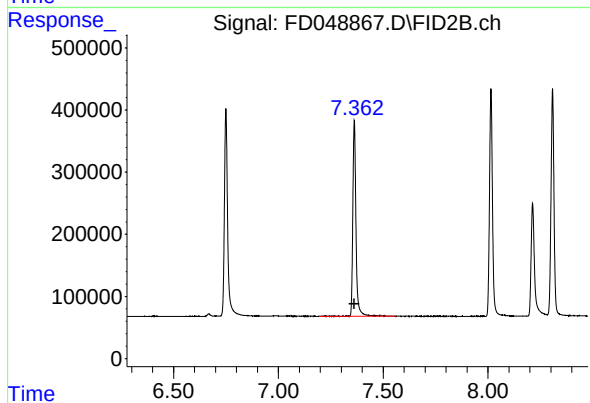
#2 Naphthalene (C11.7)

R.T.: 5.703 min
Delta R.T.: 0.000 min
Response: 3740432
Conc: 19.57 ug/ml



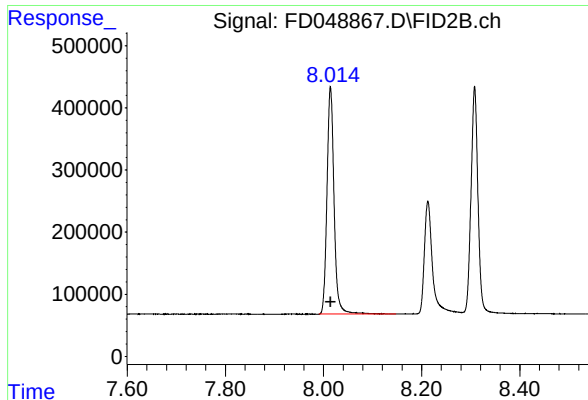
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.750 min
Delta R.T.: 0.000 min
Response: 3629123
Conc: 19.64 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.363 min
Delta R.T.: 0.000 min
Response: 3313381
Conc: 19.67 ug/ml



#5 Acenaphthylene (C15.06)

R.T.: 8.014 min
Delta R.T.: 0.000 min
Response: 3654040
Conc: 19.58 ug/ml

Instrument :

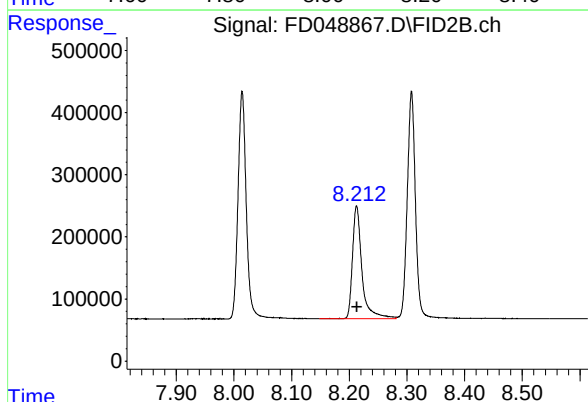
FID_D

ClientSampleId :

20 PPM AROMATIC HC STD ICV

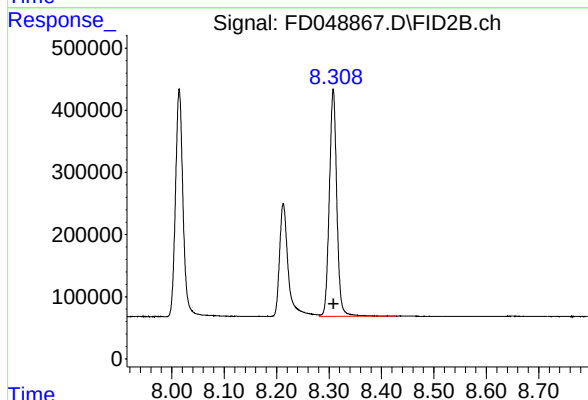
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/10/2024
Supervised By :Ankita Jodhani 12/10/2024



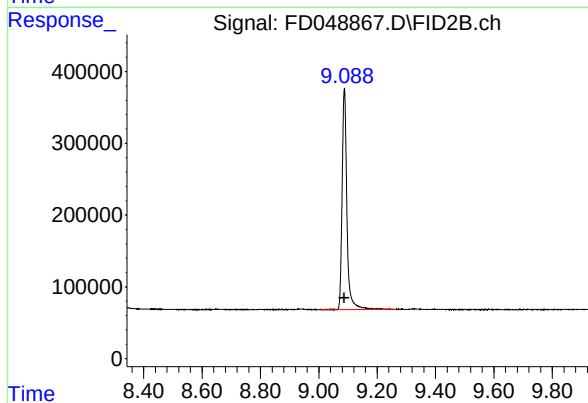
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.213 min
Delta R.T.: 0.000 min
Response: 2069271
Conc: 20.03 ug/ml



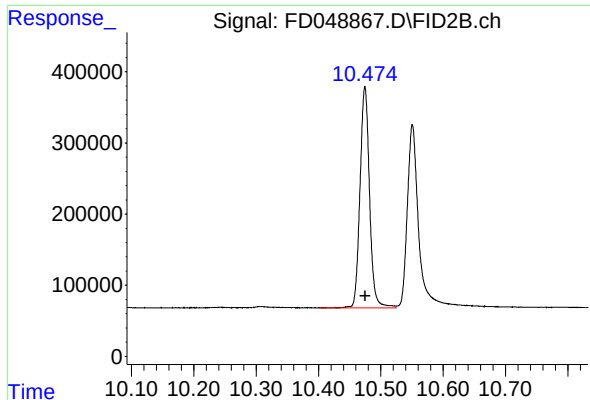
#7 Acenaphthene (C15.5)

R.T.: 8.308 min
Delta R.T.: 0.000 min
Response: 3616915
Conc: 19.42 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.088 min
Delta R.T.: 0.000 min
Response: 3518743
Conc: 19.69 ug/ml



#9 Phenanthrene (C19.36)

R.T.: 10.474 min
Delta R.T.: 0.000 min
Response: 3288341
Conc: 19.69 ug/ml

Instrument :

FID_D

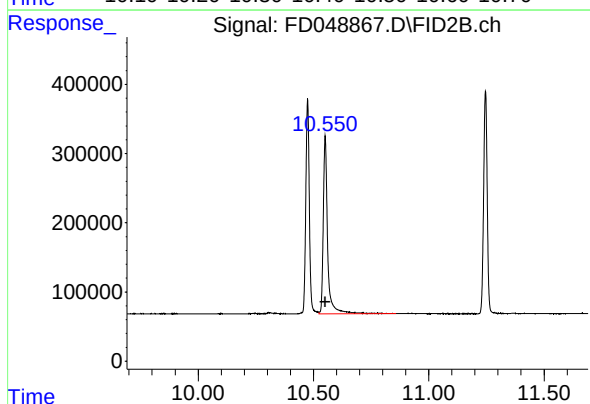
ClientSampleId :

20 PPM AROMATIC HC STD ICV

Manual Integrations

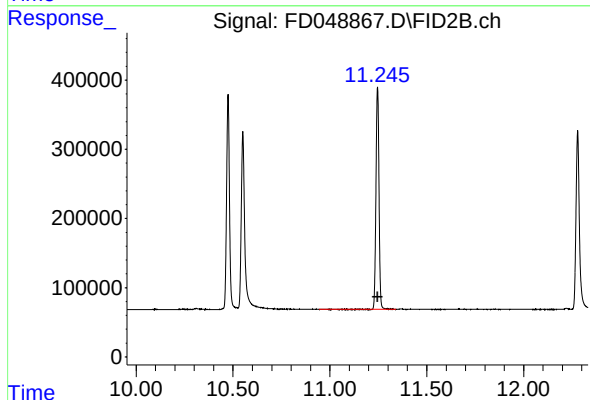
APPROVED

Reviewed By :Yogesh Patel 12/10/2024
Supervised By :Ankita Jodhani 12/10/2024



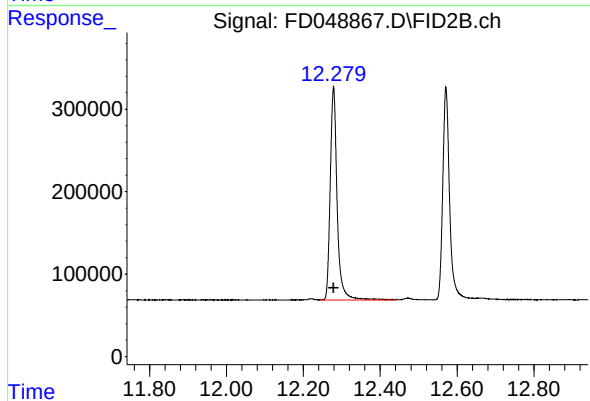
#10 Anthracene (C19.43)

R.T.: 10.551 min
Delta R.T.: 0.000 min
Response: 3378394
Conc: 19.91 ug/ml



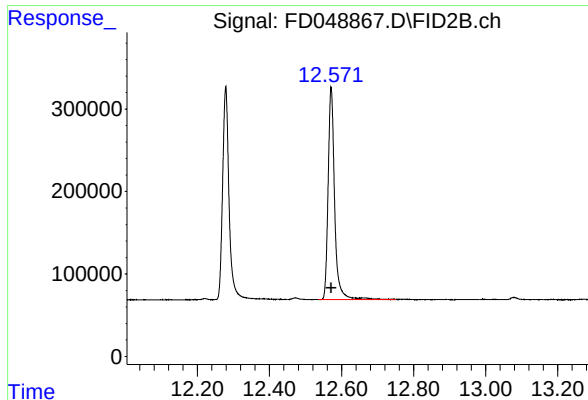
#11 ortho-Terphenyl (SURR)

R.T.: 11.246 min
Delta R.T.: 0.000 min
Response: 3446740
Conc: 19.40 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.279 min
Delta R.T.: 0.000 min
Response: 3234389
Conc: 19.76 ug/ml



#13 Pyrene (C20.8)

R.T.: 12.571 min
Delta R.T.: 0.000 min
Response: 3220981
Conc: 19.80 ug/ml

Instrument :

FID_D

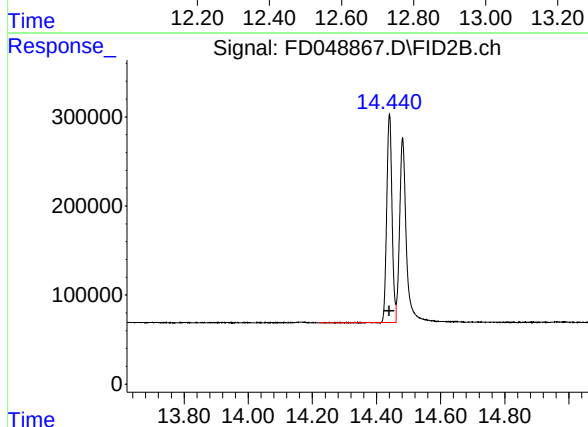
ClientSampleId :

20 PPM AROMATIC HC STD ICV

Manual Integrations

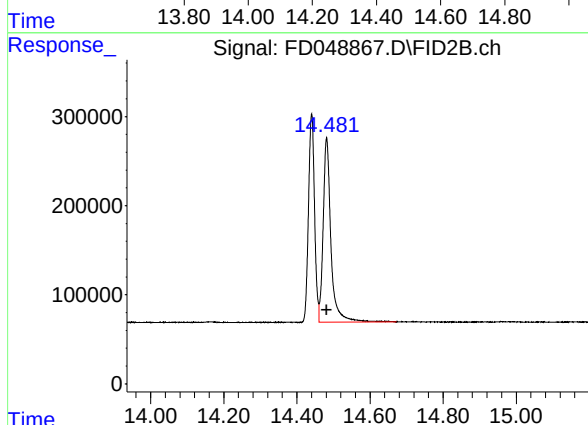
APPROVED

Reviewed By :Yogesh Patel 12/10/2024
Supervised By :Ankita Jodhani 12/10/2024



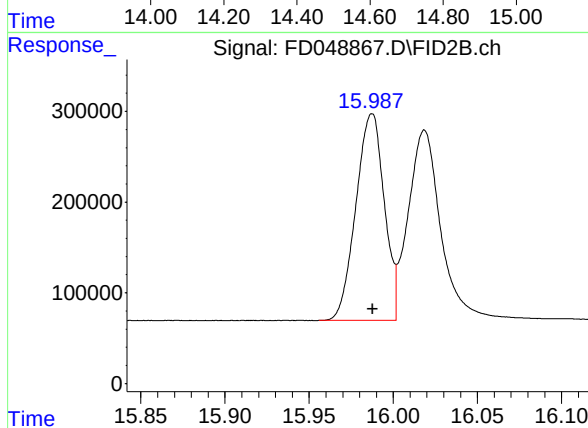
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.440 min
Delta R.T.: 0.000 min
Response: 2679502
Conc: 20.28 ug/ml



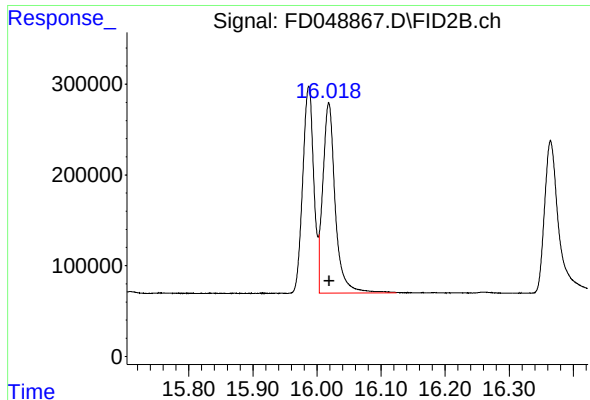
#15 Chrysene (C27.41)

R.T.: 14.482 min
Delta R.T.: 0.000 min
Response: 3056237
Conc: 18.93 ug/ml



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

R.T.: 15.987 min
Delta R.T.: 0.000 min
Response: 2683723
Conc: 19.93 ug/ml m



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

R.T.: 16.018 min
Delta R.T.: -0.001 min
Response: 2817570
Conc: 18.50 ug/ml

Instrument :

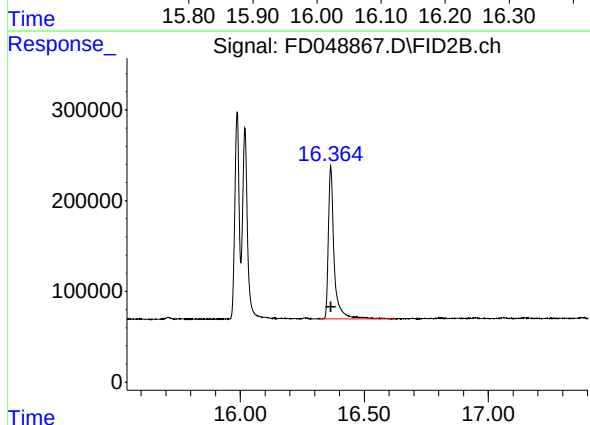
FID_D

ClientSampleId :

20 PPM AROMATIC HC STD ICV

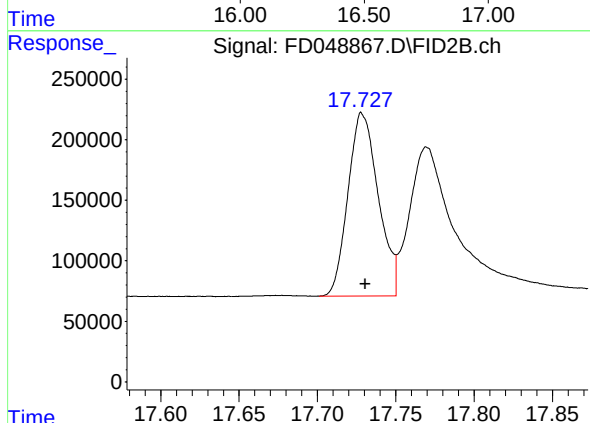
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/10/2024
Supervised By :Ankita Jodhani 12/10/2024



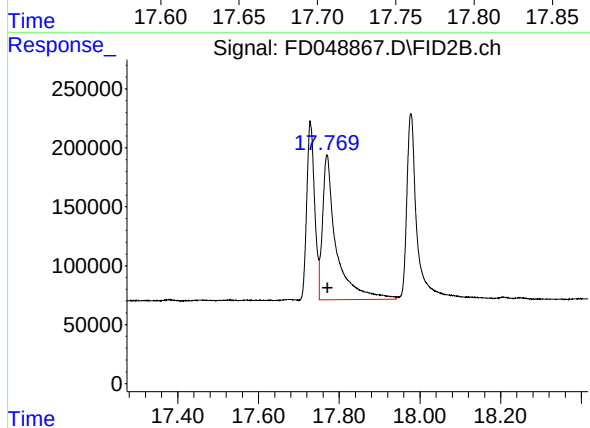
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.365 min
Delta R.T.: -0.001 min
Response: 2721975
Conc: 19.68 ug/ml



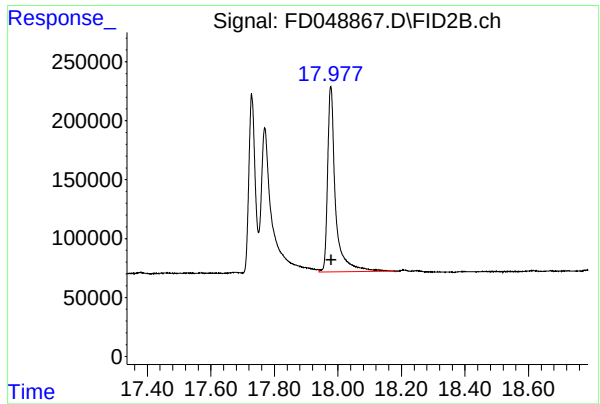
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.729 min
Delta R.T.: -0.001 min
Response: 2035411
Conc: 19.10 ug/ml



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

R.T.: 17.770 min
Delta R.T.: 0.000 min
Response: 2920346
Conc: 20.14 ug/ml



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

R.T.: 17.978 min
Delta R.T.: -0.001 min
Response: 2749325
Conc: 19.61 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD ICV

Manual Integrations
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Supervised By :Ankita Jodhani 12/10/2024

riteres

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD121024
Data File : FD048867.D
Signal(s) : FID2B.ch
Acq On : 10 Dec 2024 06:01
Sample : 20 PPM AROMATIC HC STD ICV
Misc :
ALS Vial : 76 Sample Multiplier: 1

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 12/10/2024
Supervised By :Ankita Jodhani 12/10/2024

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 121024.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	4.186	4.141	4.341	BB	413941	3701153	98.95%	5.649%
2	5.703	5.664	5.924	PV	356377	3740432	100.00%	5.709%
3	6.750	6.716	6.941	VV	332871	3629123	97.02%	5.539%
4	7.363	7.194	7.561	BB	313738	3313381	88.58%	5.057%
5	8.014	7.991	8.148	BV	365126	3654040	97.69%	5.577%
6	8.213	8.148	8.281	PV	177876	2069271	55.32%	3.158%
7	8.308	8.281	8.428	VB	365024	3616915	96.70%	5.520%
8	9.088	9.001	9.264	BB	307951	3518743	94.07%	5.370%
9	10.474	10.401	10.524	BV	310501	3288341	87.91%	5.019%
10	10.551	10.524	10.858	VB	256242	3378394	90.32%	5.156%
11	11.246	10.944	11.341	BV	321232	3446740	92.15%	5.261%
12	12.279	12.241	12.441	VV	256842	3234389	86.47%	4.936%
13	12.571	12.538	12.751	PB	257405	3220981	86.11%	4.916%
14	14.440	14.221	14.461	BV	234909	2679502	71.64%	4.090%
15	14.482	14.461	14.671	VB	206406	3056237	81.71%	4.665%
16	15.987	15.955	16.001	M	228220	2664317	71.23%	4.066%
17	16.018	16.001	16.118	M	210292	2882005	77.05%	4.399%
18	16.365	16.318	16.628	BB	167296	2721975	72.77%	4.154%
19	17.729	17.701	17.750	BV	151435	2035411	54.42%	3.107%
20	17.770	17.750	17.941	VV	122115	2920346	78.08%	4.457%
21	17.978	17.941	18.183	VV	157312	2749325	73.50%	4.196%
Sum of corrected areas:						65521022		

Aromatic EPH 121024.M Tue Dec 10 08:27:13 2024