

Initial Calibration Report for SequenceID : FD111424AR

AreaCount

Parameter Range	FD048729.D	FD048730.D	FD048731.D	FD048732.D	FD048733.D	
Aromatic C10-C12	35969884.000	18267930.000	7601024.000	4048482.000	2051093.000	
Aromatic C12-C16	53799266.000	27329767.000	11363305.000	6130468.000	3105423.000	
Aromatic C16-C21	68956735.000	35122486.000	14626807.000	7814027.000	4056681.000	
Aromatic C21-C36	129641639.000	66976017.000	28128596.000	14930708.000	7699801.000	
Aromatic EPH	288367524.000	147696200.000	61719732.000	32923685.000	16912998.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aromatic C10-C12	192017.544	5.932				
Aromatic C12-C16	192458.9766662	6.576				
Aromatic C16-C21	185804.816	6.985				
Aromatic C21-C36	157231.0562216	7.202				
Aromatic EPH	173317.2659998	6.861				

Concentration

Parameter Range	FD048729.D	FD048730.D	FD048731.D	FD048732.D	FD048733.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	FD048729.D	FD048730.D	FD048731.D	FD048732.D	FD048733.D	
Aromatic C10-C12	179849.420000	182679.300000	190025.600000	202424.100000	205109.300000	
Aromatic C12-C16	179330.886666	182198.446666	189388.416666	204348.933333	207028.200000	
Aromatic C16-C21	172391.837500	175612.430000	182835.087500	195350.675000	202834.050000	
Aromatic C21-C36	144046.265555	148835.593333	156269.977777	165896.755555	171106.688888	
Aromatic EPH	160204.180000	164106.888888	171443.700000	182909.361111	187922.200000	

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD111424AR\
 Data File : FD048729.D
 Signal(s) : FID2B.ch
 Acq On : 14 Nov 2024 10:39
 Operator : YP/AJ
 Sample : 100 PPM AROMATIC HC STD1
 Misc :
 ALS Vial : 61 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 100 PPM AROMATIC HC STD1

Integration File: autoint1.e
 Quant Time: Nov 14 12:42:47 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 111424.M
 Quant Title : GC Extractables
 QLast Update : Thu Nov 14 12:40:13 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...	7.373	16279710	96.638 ug/ml
Spiked Amount 50.000		Recovery =	193.28%
6) S 2-Fluorobiphenyl (SURR)	8.224	10978429	98.038 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	196.08%#
11) S ortho-Terphenyl (SURR)	11.261	17593385	96.618 ug/ml
Spiked Amount 50.000		Recovery =	193.24%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.194	17620031	97.215 ug/ml
2) T Naphthalene (C11.7)	5.713	18349853	97.281 ug/ml
3) T 2-Methylnaphthalene (...)	6.761	17920924	97.298 ug/ml
5) T Acenaphthylene (C15.06)	8.028	18165782	97.718 ug/ml
7) T Acenaphthene (C15.5)	8.324	17712560	96.795 ug/ml
8) T Fluorene (C16.55)	9.102	17936029	97.266 ug/ml
9) T Phenanthrene (C19.36)	10.490	17155776	97.334 ug/ml
10) T Anthracene (C19.43)	10.567	17179222	96.460 ug/ml
12) T Fluoranthene (C21.85)	12.296	16826726	96.772 ug/ml
13) T Pyrene (C20.8)	12.590	16685708	97.181 ug/ml
14) T Benzo[a]anthracene (C...	14.460	15682702	97.315 ug/ml
15) T Chrysene (C27.41)	14.507	15579339	95.080 ug/ml
16) T benzo[b]fluoranthene ...	16.009	14749238	96.630 ug/ml
17) T Bnezo[k]fluoranthene ...	16.047	14449844	95.199 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.387	13748521	95.913 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.753	12754859	101.169 ug/ml
20) T Dibenz[a,h]anthracene...	17.793	12899293	92.101 ug/ml
21) T Benzo[g,h,i]perylene ...	18.010	12951117	95.291 ug/ml

(f)=RT Delta > 1/2 Window

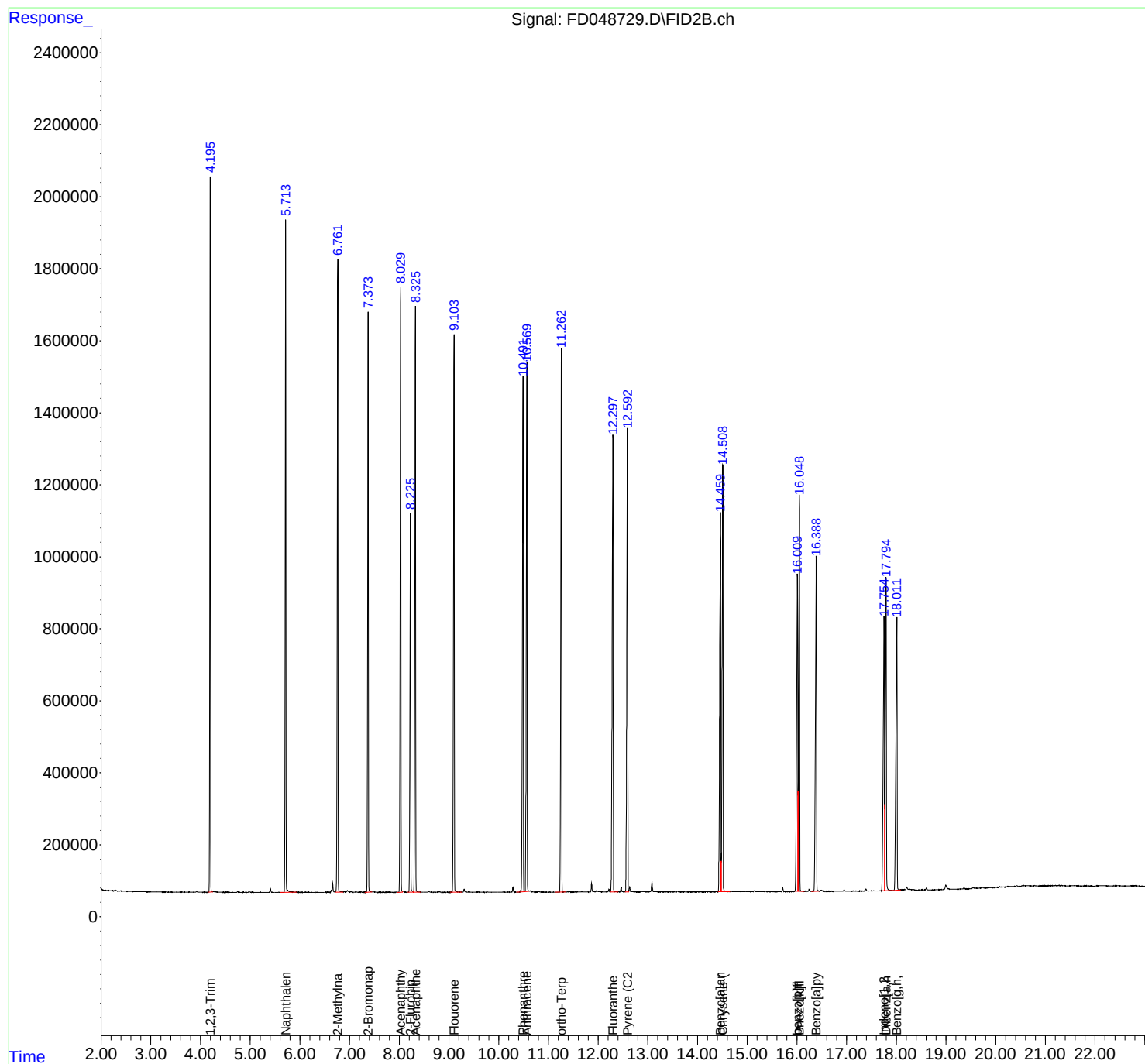
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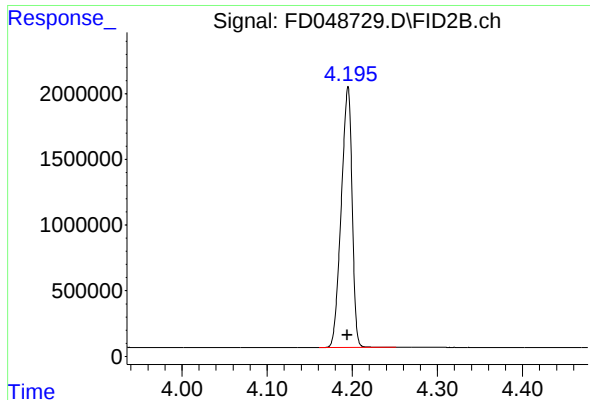
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Data File : FD048729.D
Signal(s) : FID2B.ch
Acq On : 14 Nov 2024 10:39
Operator : YP/AJ
Sample : 100 PPM AROMATIC HC STD1
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
100 PPM AROMATIC HC STD1

Integration File: autoint1.e
Quant Time: Nov 14 12:42:47 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 111424.M
Quant Title : GC Extractables
QLast Update : Thu Nov 14 12:40:13 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)

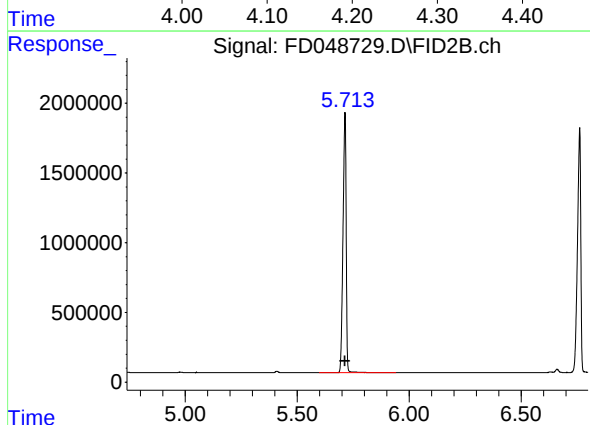
R.T.: 4.194 min
Delta R.T.: 0.000 min
Response: 17620031
Conc: 97.22 ug/ml

Instrument :

FID_D

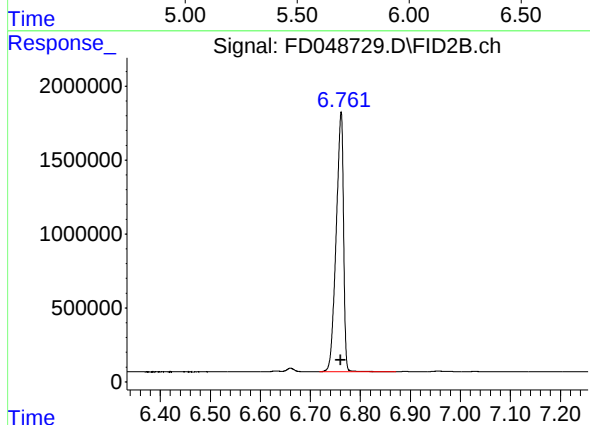
ClientSampleId :

100 PPM AROMATIC HC STD1



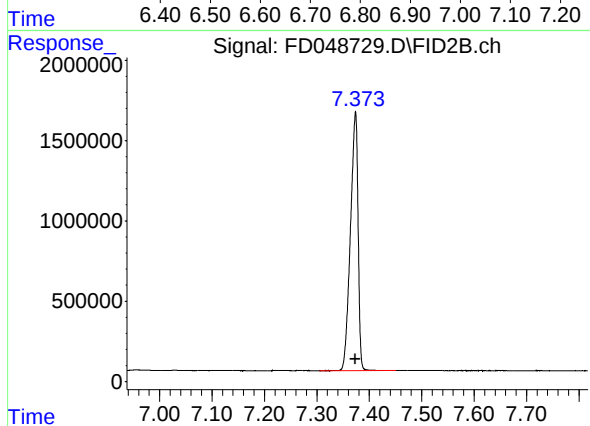
#2 Naphthalene (C11.7)

R.T.: 5.713 min
Delta R.T.: 0.000 min
Response: 18349853
Conc: 97.28 ug/ml



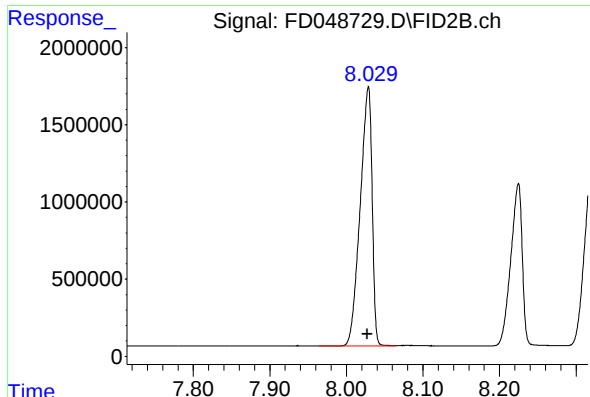
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.761 min
Delta R.T.: 0.000 min
Response: 17920924
Conc: 97.30 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.373 min
Delta R.T.: 0.000 min
Response: 16279710
Conc: 96.64 ug/ml



#5 Acenaphthylene (C15.06)

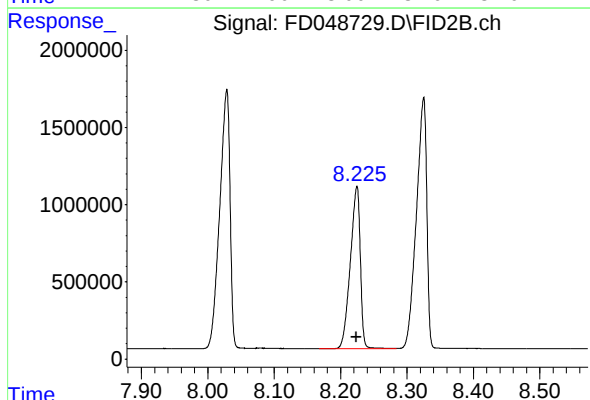
R.T.: 8.028 min
Delta R.T.: 0.000 min
Response: 18165782
Conc: 97.72 ug/ml

Instrument :

FID_D

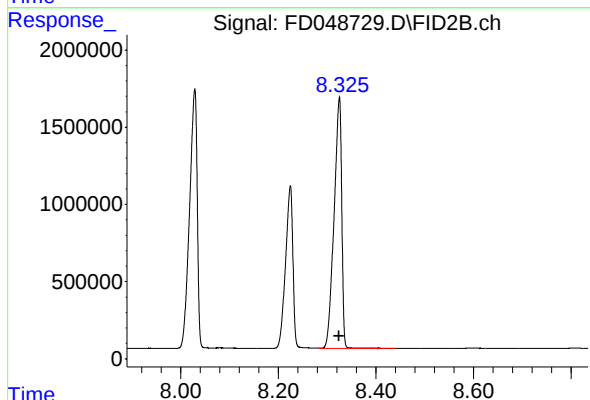
ClientSampleId :

100 PPM AROMATIC HC STD1



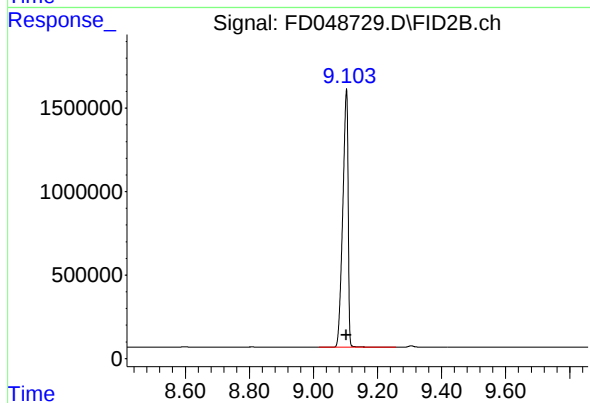
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.224 min
Delta R.T.: 0.000 min
Response: 10978429
Conc: 98.04 ug/ml



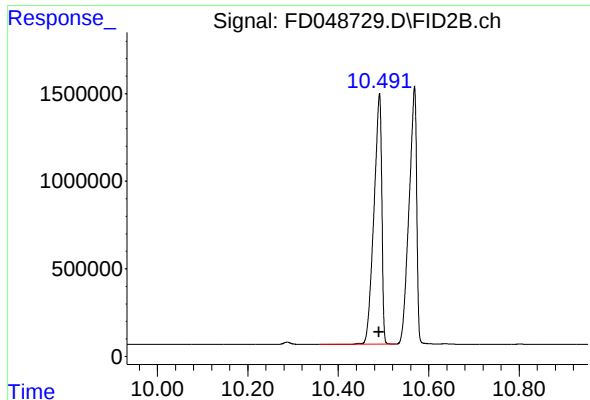
#7 Acenaphthene (C15.5)

R.T.: 8.324 min
Delta R.T.: 0.000 min
Response: 17712560
Conc: 96.79 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.102 min
Delta R.T.: 0.000 min
Response: 17936029
Conc: 97.27 ug/ml



#9 Phenanthrene (C19.36)

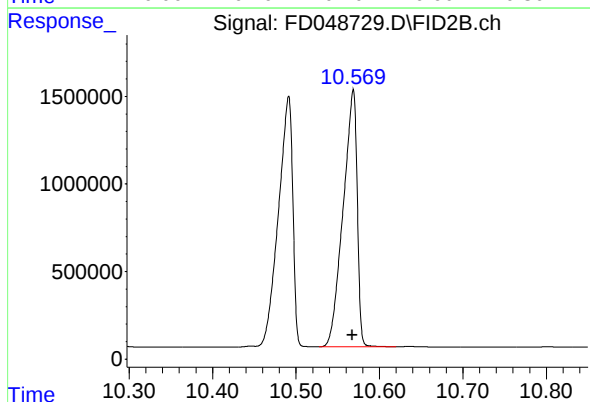
R.T.: 10.490 min
Delta R.T.: 0.000 min
Response: 17155776
Conc: 97.33 ug/ml

Instrument :

FID_D

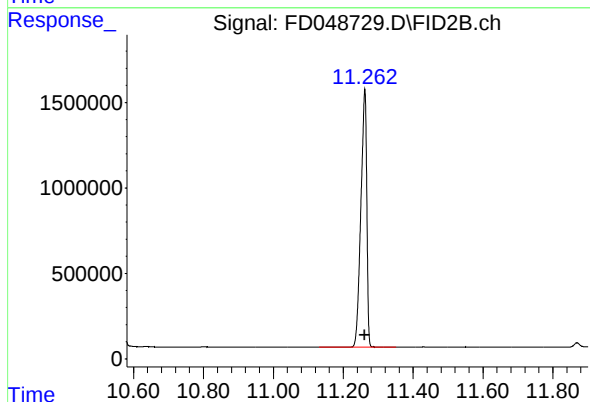
ClientSampleId :

100 PPM AROMATIC HC STD1



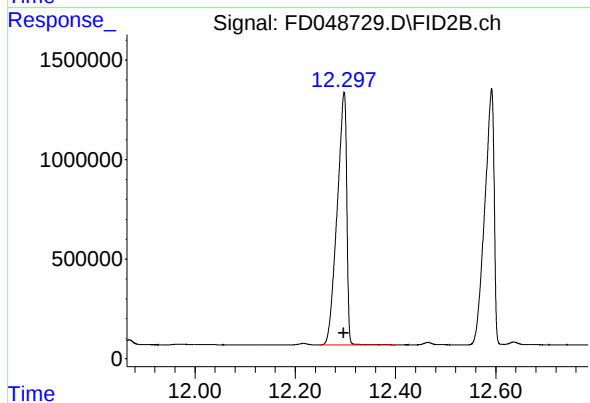
#10 Anthracene (C19.43)

R.T.: 10.567 min
Delta R.T.: 0.000 min
Response: 17179222
Conc: 96.46 ug/ml



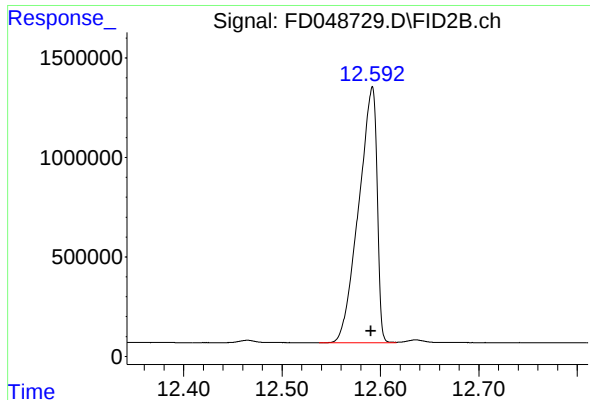
#11 ortho-Terphenyl (SURR)

R.T.: 11.261 min
Delta R.T.: 0.000 min
Response: 17593385
Conc: 96.62 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.296 min
Delta R.T.: 0.000 min
Response: 16826726
Conc: 96.77 ug/ml



#13 Pyrene (C20.8)

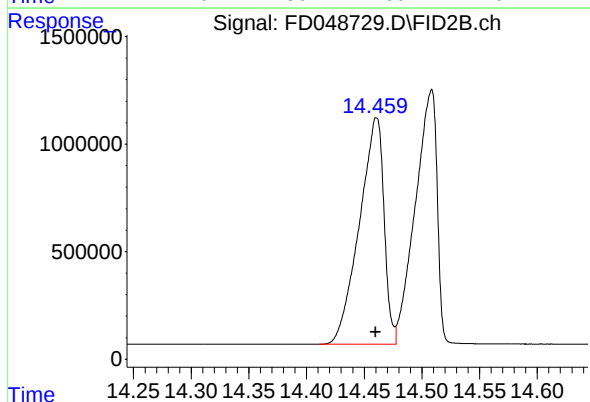
R.T.: 12.590 min
Delta R.T.: 0.000 min
Response: 16685708
Conc: 97.18 ug/ml

Instrument :

FID_D

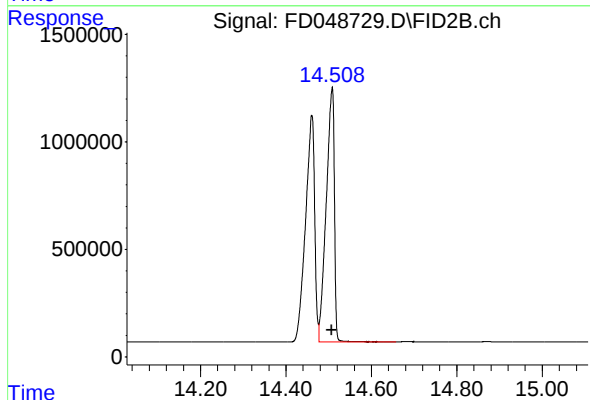
ClientSampleId :

100 PPM AROMATIC HC STD1



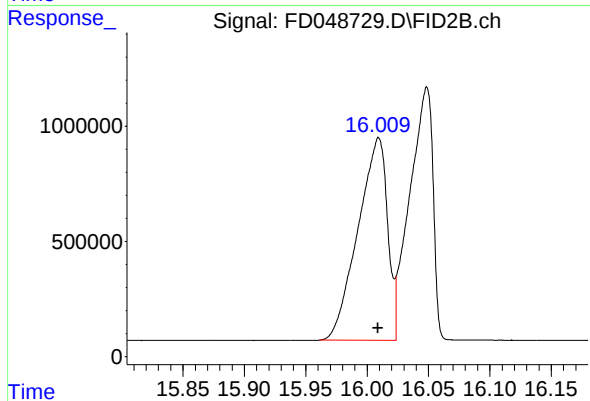
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.460 min
Delta R.T.: 0.000 min
Response: 15682702
Conc: 97.32 ug/ml



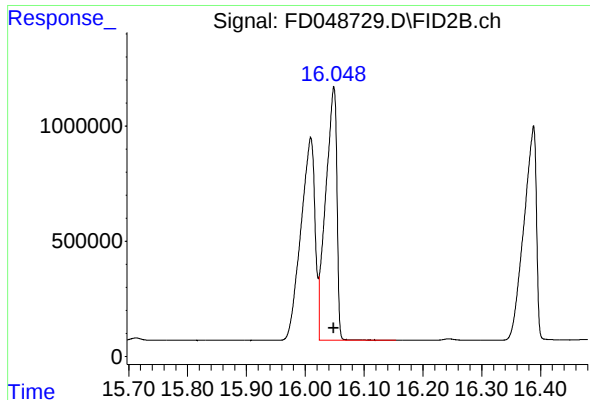
#15 Chrysene (C27.41)

R.T.: 14.507 min
Delta R.T.: 0.000 min
Response: 15579339
Conc: 95.08 ug/ml



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

R.T.: 16.009 min
Delta R.T.: 0.000 min
Response: 14749238
Conc: 96.63 ug/ml



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

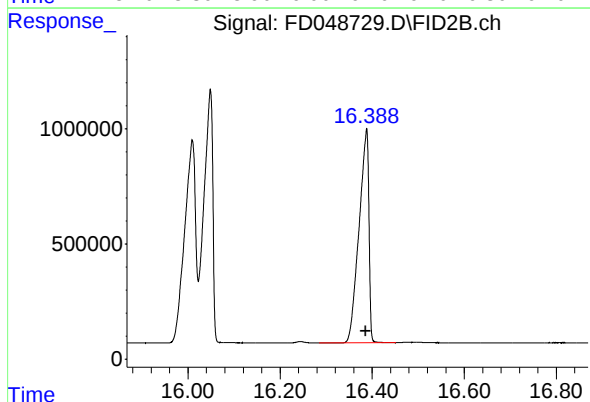
R.T.: 16.047 min
Delta R.T.: 0.000 min
Response: 14449844
Conc: 95.20 ug/ml

Instrument :

FID_D

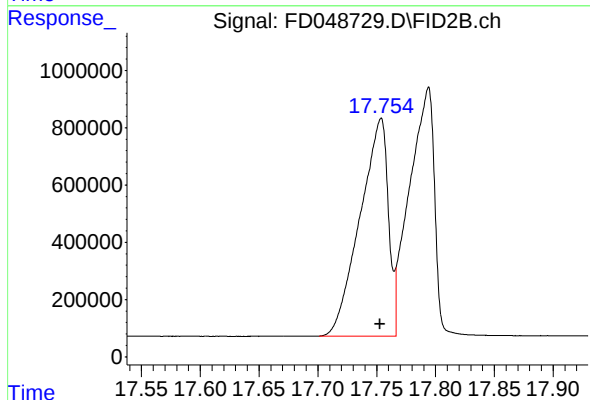
ClientSampleId :

100 PPM AROMATIC HC STD1



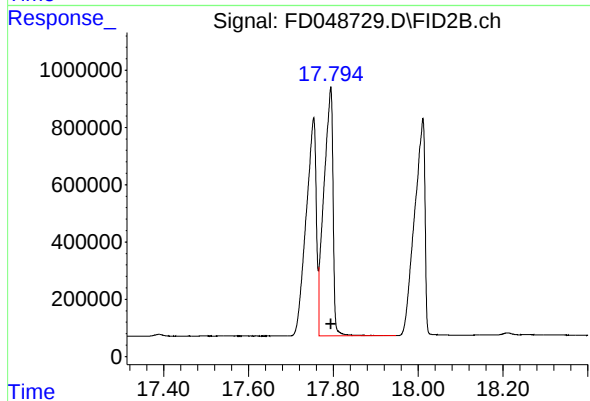
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.387 min
Delta R.T.: 0.000 min
Response: 13748521
Conc: 95.91 ug/ml



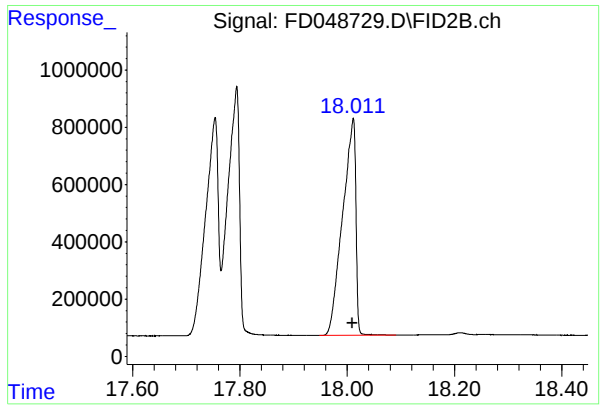
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.753 min
Delta R.T.: 0.000 min
Response: 12754859
Conc: 101.17 ug/ml



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

R.T.: 17.793 min
Delta R.T.: -0.001 min
Response: 12899293
Conc: 92.10 ug/ml



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

R.T.: 18.010 min
Delta R.T.: 0.000 min
Response: 12951117
Conc: 95.29 ug/ml

Instrument :

FID_D

ClientSampleId :

100 PPM AROMATIC HC STD1

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD111424AR\
 Data File : FD048729.D
 Signal(s) : FID2B.ch
 Acq On : 14 Nov 2024 10:39
 Sample : 100 PPM AROMATIC HC STD1
 Misc :
 ALS Vial : 61 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 111424.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	4.194	4.161	4.251	BV	1968987	17620031	96.02%	5.288%
2	5.713	5.598	5.941	BB	1911565	18349853	100.00%	5.507%
3	6.761	6.718	6.871	VV	1752861	17920924	97.66%	5.378%
4	7.373	7.304	7.451	BV	1649420	16279710	88.72%	4.886%
5	8.028	7.964	8.065	VV	1662481	18165782	99.00%	5.452%
6	8.224	8.168	8.283	PV	1055066	10978429	59.83%	3.295%
7	8.324	8.283	8.441	VB	1619247	17712560	96.53%	5.316%
8	9.102	9.018	9.258	BB	1516197	17936029	97.74%	5.383%
9	10.490	10.358	10.528	PV	1445226	17155776	93.49%	5.148%
10	10.567	10.528	10.620	VV	1455857	17179222	93.62%	5.156%
11	11.261	11.131	11.351	BV	1503276	17593385	95.88%	5.280%
12	12.296	12.248	12.401	PV	1287669	16826726	91.70%	5.050%
13	12.590	12.538	12.616	PV	1284099	16685708	90.93%	5.007%
14	14.460	14.411	14.478	BV	1066457	15682702	85.47%	4.706%
15	14.507	14.478	14.658	VV	1184558	15579339	84.90%	4.675%
16	16.009	15.961	16.024	BV	870846	14749238	80.38%	4.426%
17	16.047	16.024	16.154	VB	1095885	14449844	78.75%	4.336%
18	16.387	16.285	16.452	PV	935309	13748521	74.92%	4.126%
19	17.753	17.701	17.766	BV	775079	12754859	69.51%	3.828%
20	17.793	17.766	17.948	VV	889008	12899293	70.30%	3.871%
21	18.010	17.948	18.091	PV	765798	12951117	70.58%	3.887%
Sum of corrected areas:						333219047		

Aromatic EPH 111424.M Fri Nov 15 02:36:20 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD111424AR\
 Data File : FD048730.D
 Signal(s) : FID2B.ch
 Acq On : 14 Nov 2024 11:15
 Operator : YP/AJ
 Sample : 50 PPM AROMATIC HC STD2
 Misc :
 ALS Vial : 62 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 50 PPM AROMATIC HC STD2

Integration File: autoint1.e
 Quant Time: Nov 14 12:44:35 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 111424.M
 Quant Title : GC Extractables
 QLast Update : Thu Nov 14 12:40:13 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	8283088	49.443 ug/ml
Spiked Amount 50.000		Recovery =	98.89%
6) S 2-Fluorobiphenyl (SURR)	8.218	5559238	49.762 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	99.52%
11) S ortho-Terphenyl (SURR)	11.254	8996437	49.602 ug/ml
Spiked Amount 50.000		Recovery =	99.20%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.190	8939308	49.545 ug/ml
2) T Naphthalene (C11.7)	5.708	9328622	49.636 ug/ml
3) T 2-Methylnaphthalene (...)	6.755	9099861	49.602 ug/ml
5) T Acenaphthylene (C15.06)	8.022	9189135	49.619 ug/ml
7) T Acenaphthene (C15.5)	8.317	9040771	49.602 ug/ml
8) T Fluorene (C16.55)	9.095	9136727	49.698 ug/ml
9) T Phenanthrene (C19.36)	10.482	8716439	49.634 ug/ml
10) T Anthracene (C19.43)	10.558	8726580	49.328 ug/ml
12) T Fluoranthene (C21.85)	12.287	8602468	49.648 ug/ml
13) T Pyrene (C20.8)	12.581	8542740	49.836 ug/ml
14) T Benzo[a]anthracene (C...	14.450	8014439	49.821 ug/ml
15) T Chrysene (C27.41)	14.494	8069480	49.496 ug/ml
16) T benzo[b]fluoranthene ...	15.999	7563737	49.702 ug/ml
17) T Bnezo[k]fluoranthene ...	16.034	7564689	49.676 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.375	7116324	49.763 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.740	6332404	50.151 ug/ml
20) T Dibenz[a,h]anthracene...	17.778	6967880	49.424 ug/ml
21) T Benzo[g,h,i]perylene ...	17.993	6744596	49.749 ug/ml

(f)=RT Delta > 1/2 Window

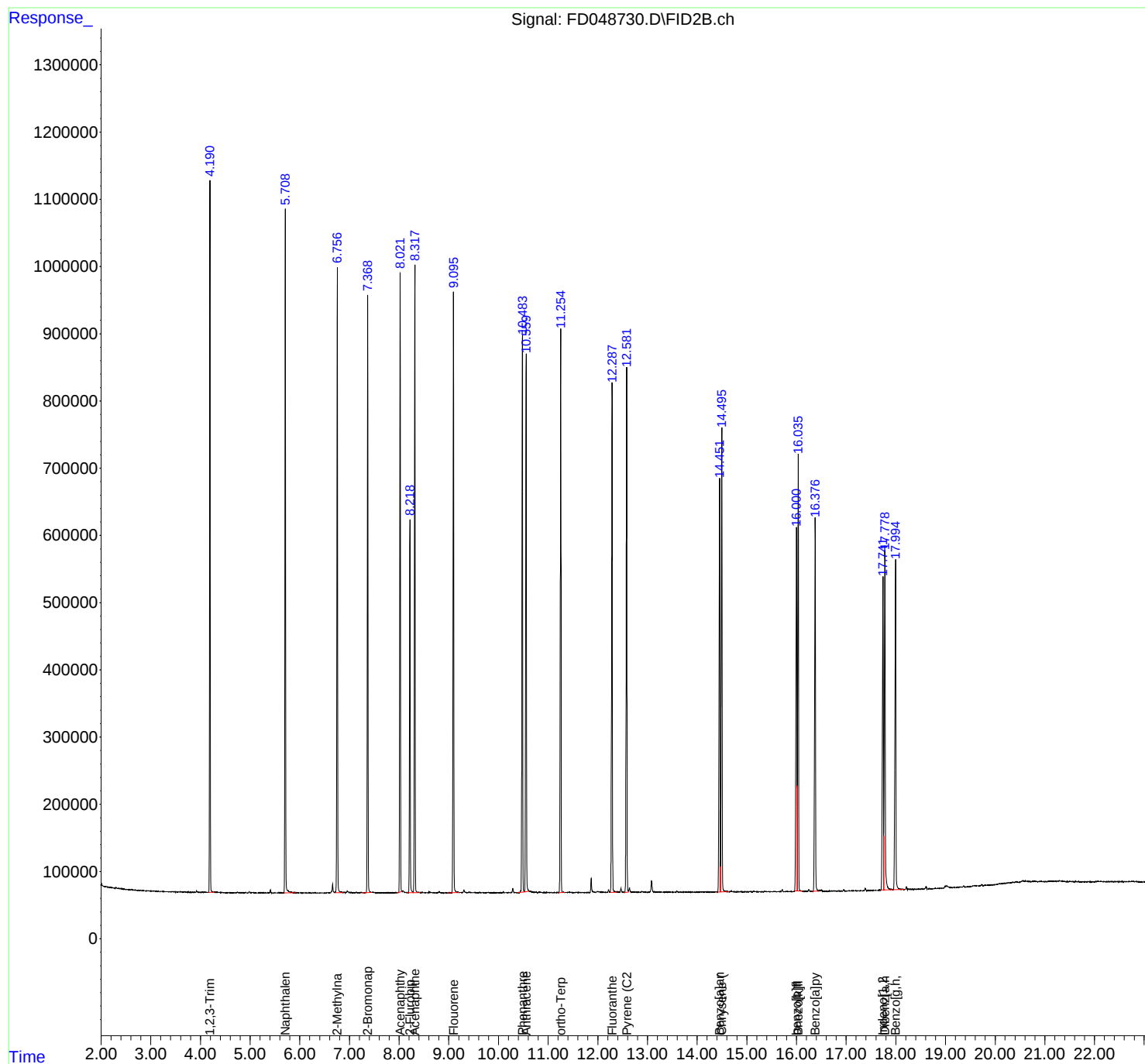
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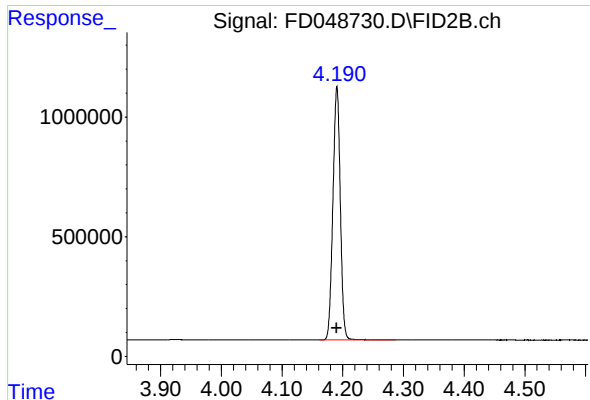
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Data File : FD048730.D
Signal(s) : FID2B.ch
Acq On : 14 Nov 2024 11:15
Operator : YP/AJ
Sample : 50 PPM AROMATIC HC STD2
Misc :
ALS Vial : 62 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2

Integration File: autoint1.e
Quant Time: Nov 14 12:44:35 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 111424.M
Quant Title : GC Extractables
QLast Update : Thu Nov 14 12:40:13 2024
Response via : Initial Calibration
Integrator: ChemStation

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

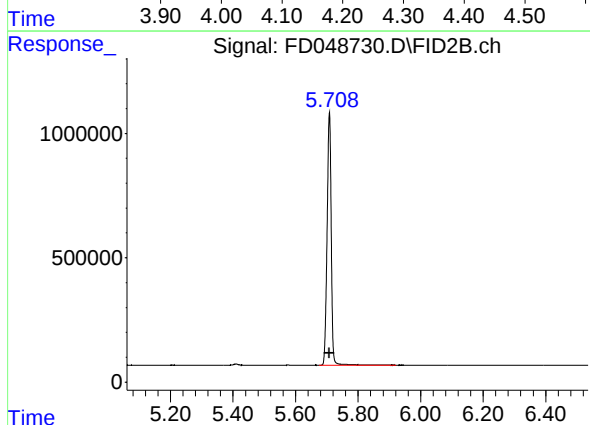




#1 1,2,3-Trimethylbenzene (C10.1)

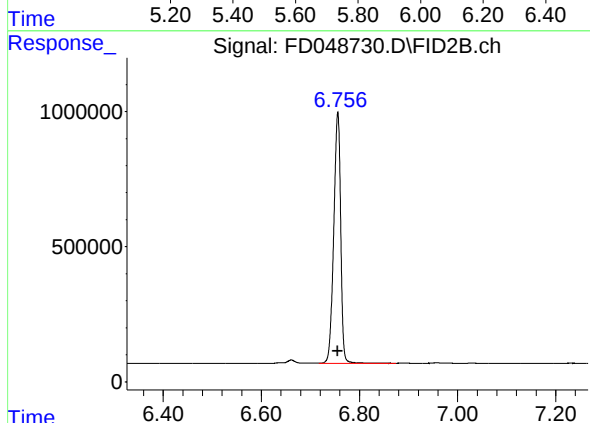
R.T.: 4.190 min
Delta R.T.: 0.000 min
Response: 8939308
Conc: 49.55 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2



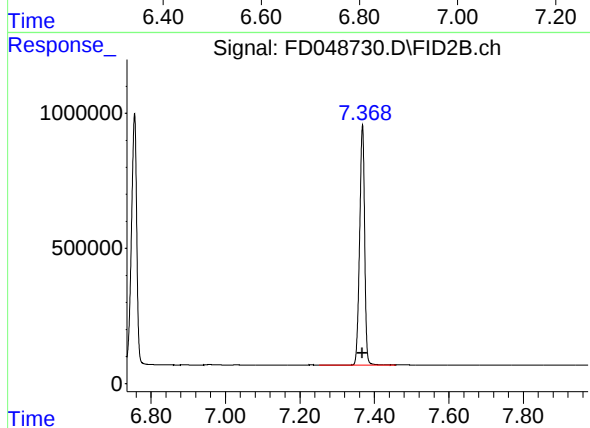
#2 Naphthalene (C11.7)

R.T.: 5.708 min
Delta R.T.: 0.000 min
Response: 9328622
Conc: 49.64 ug/ml



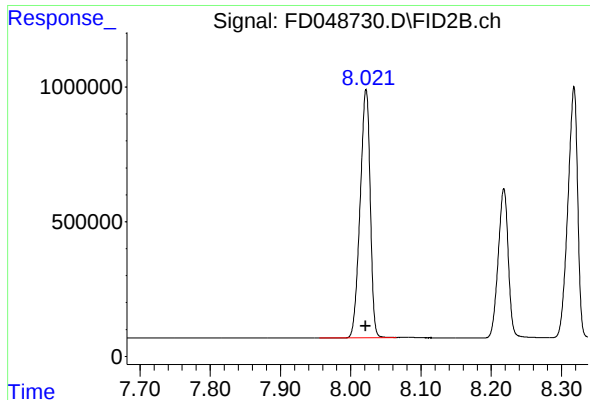
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.755 min
Delta R.T.: 0.000 min
Response: 9099861
Conc: 49.60 ug/ml



#4 2-Bromonaphthalene (SURR)

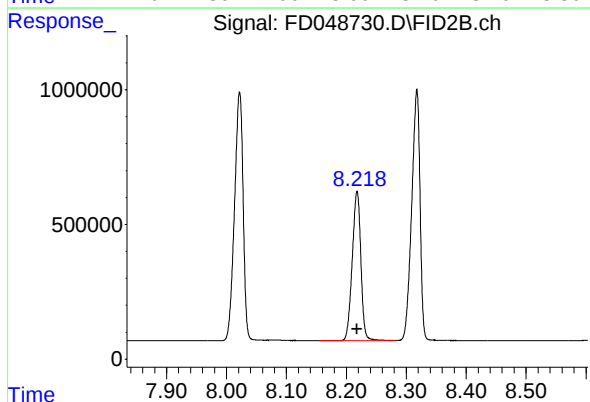
R.T.: 7.368 min
Delta R.T.: 0.000 min
Response: 8283088
Conc: 49.44 ug/ml



#5 Acenaphthylene (C15.06)

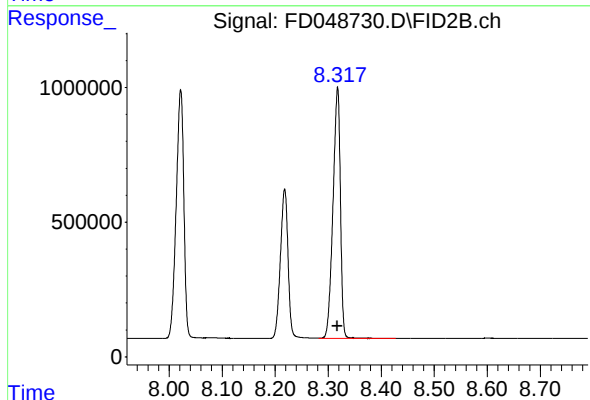
R.T.: 8.022 min
Delta R.T.: 0.000 min
Response: 9189135
Conc: 49.62 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2



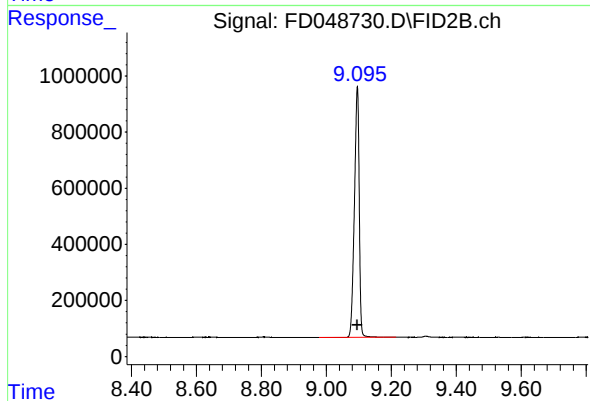
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.218 min
Delta R.T.: 0.000 min
Response: 5559238
Conc: 49.76 ug/ml



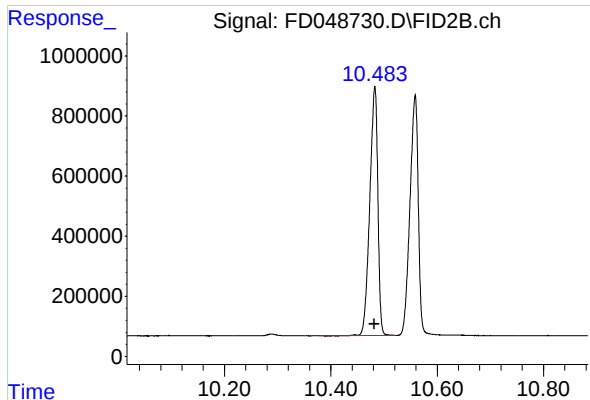
#7 Acenaphthene (C15.5)

R.T.: 8.317 min
Delta R.T.: 0.000 min
Response: 9040771
Conc: 49.60 ug/ml



#8 Flouorene (C16.55)

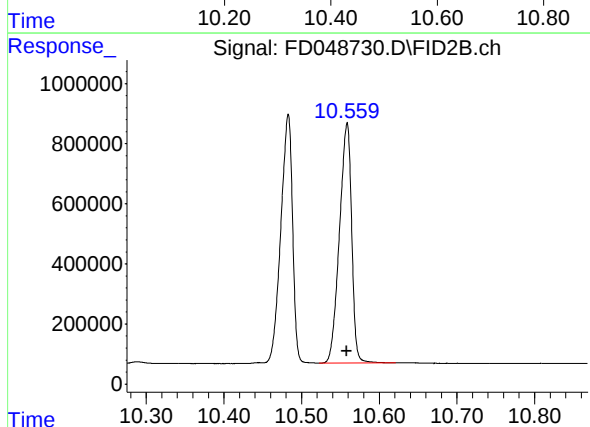
R.T.: 9.095 min
Delta R.T.: 0.000 min
Response: 9136727
Conc: 49.70 ug/ml



#9 Phenanthrene (C19.36)

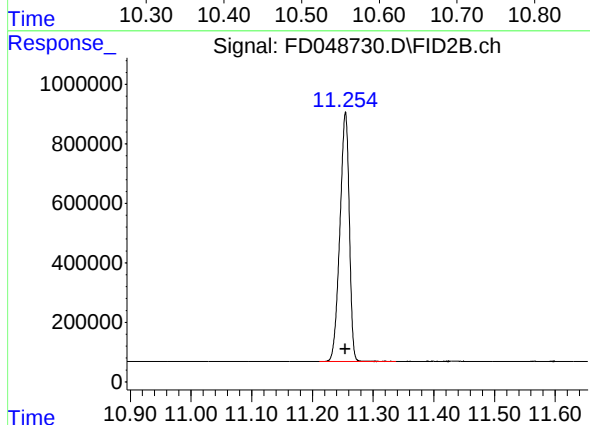
R.T.: 10.482 min
Delta R.T.: 0.000 min
Response: 8716439
Conc: 49.63 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2



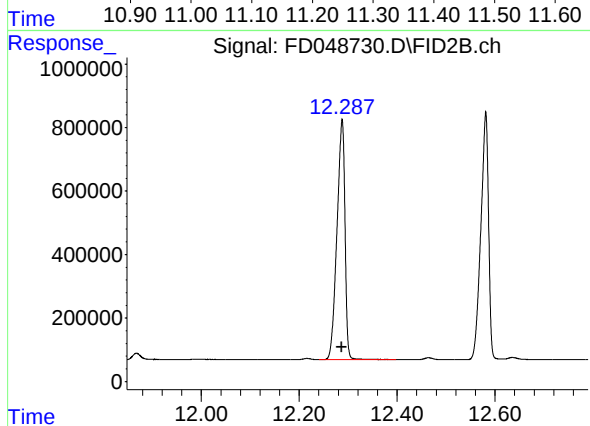
#10 Anthracene (C19.43)

R.T.: 10.558 min
Delta R.T.: 0.000 min
Response: 8726580
Conc: 49.33 ug/ml



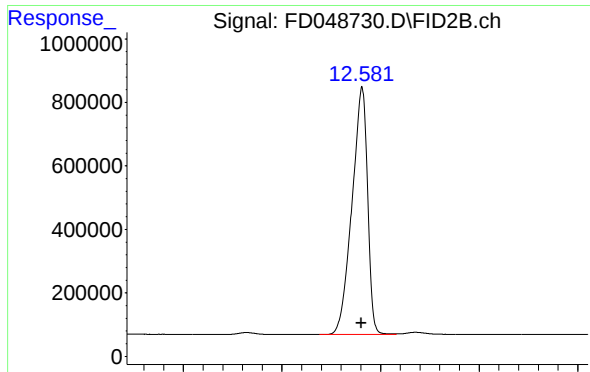
#11 ortho-Terphenyl (SURR)

R.T.: 11.254 min
Delta R.T.: 0.000 min
Response: 8996437
Conc: 49.60 ug/ml



#12 Fluoranthene (C21.85)

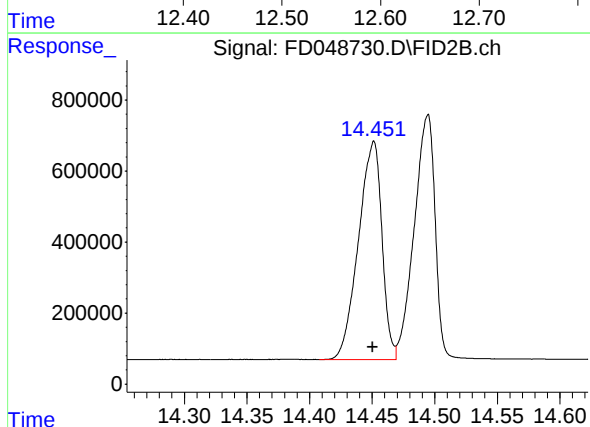
R.T.: 12.287 min
Delta R.T.: 0.000 min
Response: 8602468
Conc: 49.65 ug/ml



#13 Pyrene (C20.8)

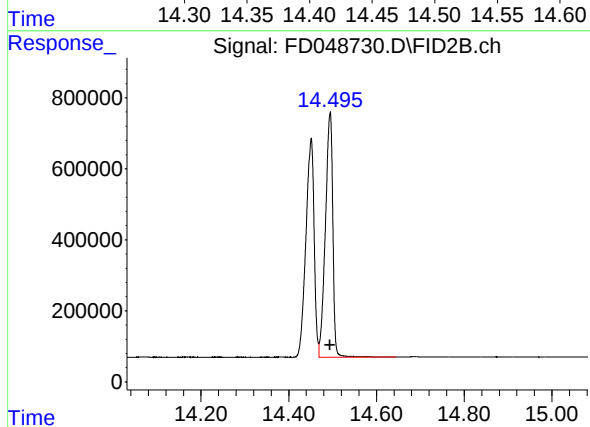
R.T.: 12.581 min
Delta R.T.: 0.000 min
Response: 8542740
Conc: 49.84 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2



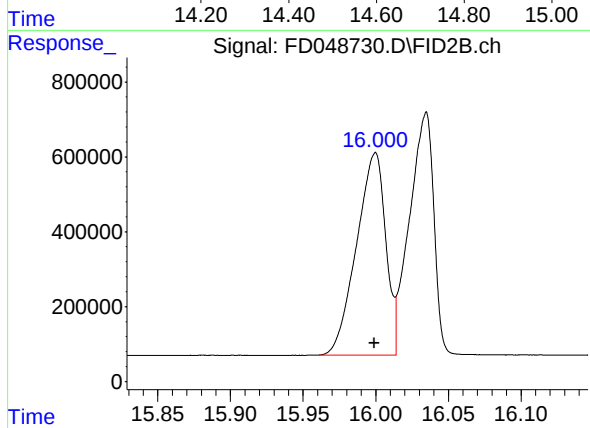
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.450 min
Delta R.T.: 0.000 min
Response: 8014439
Conc: 49.82 ug/ml



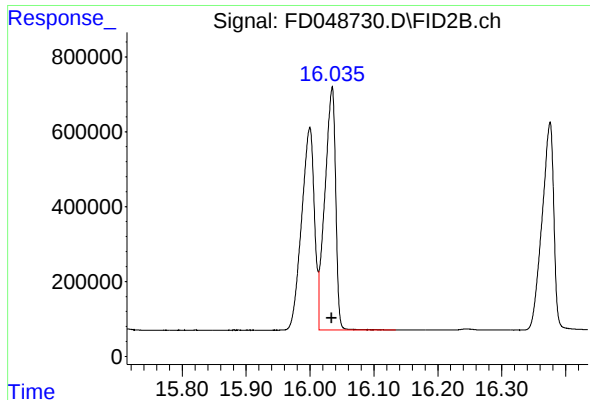
#15 Chrysene (C27.41)

R.T.: 14.494 min
Delta R.T.: 0.000 min
Response: 8069480
Conc: 49.50 ug/ml



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

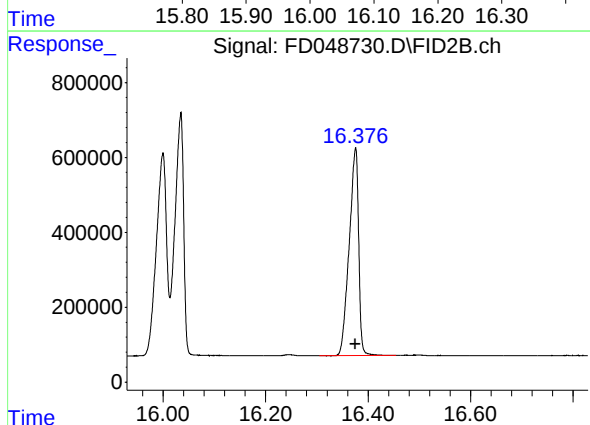
R.T.: 15.999 min
Delta R.T.: 0.000 min
Response: 7563737
Conc: 49.70 ug/ml



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

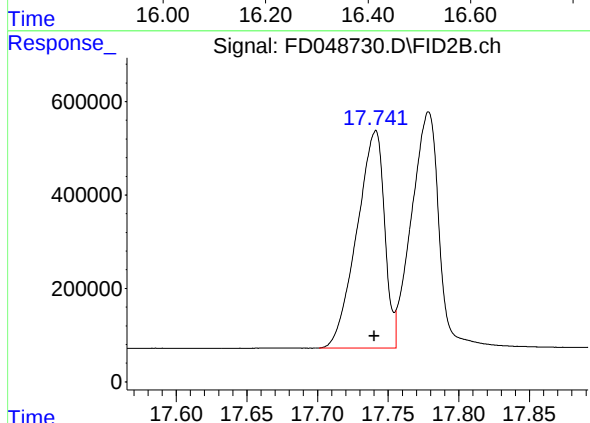
R.T.: 16.034 min
Delta R.T.: 0.000 min
Response: 7564689
Conc: 49.68 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2



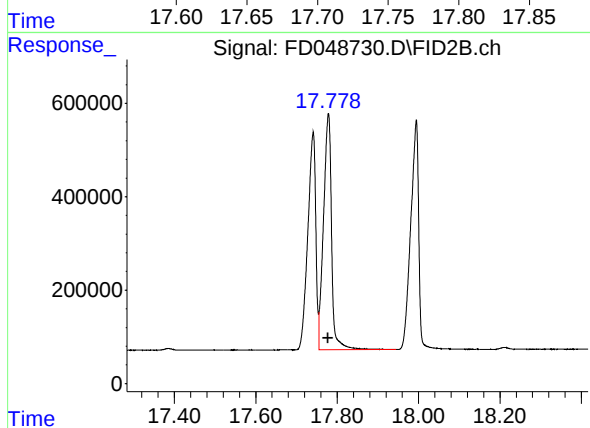
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.375 min
Delta R.T.: 0.000 min
Response: 7116324
Conc: 49.76 ug/ml



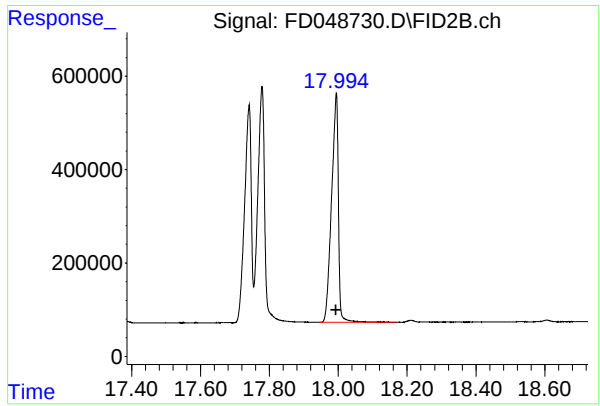
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.740 min
Delta R.T.: 0.000 min
Response: 6332404
Conc: 50.15 ug/ml



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

R.T.: 17.778 min
Delta R.T.: 0.000 min
Response: 6967880
Conc: 49.42 ug/ml



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

R.T.: 17.993 min
Delta R.T.: 0.000 min
Response: 6744596
Conc: 49.75 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD111424AR\
 Data File : FD048730.D
 Signal(s) : FID2B.ch
 Acq On : 14 Nov 2024 11:15
 Sample : 50 PPM AROMATIC HC STD2
 Misc :
 ALS Vial : 62 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 111424.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	4.161	4.288	BB	1058435	8939308	95.83%	5.242%
2	5.708	5.675	5.921	PB	1013202	9328622	100.00%	5.470%
3	6.756	6.718	6.874	VV	916108	9099861	97.55%	5.336%
4	7.368	7.251	7.458	PV	886378	8283088	88.79%	4.857%
5	8.022	7.955	8.064	PV	921926	9189135	98.50%	5.388%
6	8.218	8.154	8.283	BV	555239	5559238	59.59%	3.260%
7	8.317	8.283	8.428	VB	936635	9040771	96.91%	5.301%
8	9.095	8.978	9.214	BV	884094	9136727	97.94%	5.358%
9	10.482	10.378	10.522	BV	814217	8716439	93.44%	5.111%
10	10.558	10.522	10.621	VV	794255	8726580	93.55%	5.117%
11	11.254	11.211	11.338	BB	838716	8996437	96.44%	5.275%
12	12.287	12.241	12.398	PB	761177	8602468	92.22%	5.044%
13	12.581	12.538	12.616	BV	781058	8542740	91.58%	5.009%
14	14.450	14.408	14.469	BV	616472	8014439	85.91%	4.700%
15	14.494	14.469	14.644	VB	694071	8069480	86.50%	4.732%
16	15.999	15.961	16.014	BV	535600	7563737	81.08%	4.435%
17	16.034	16.014	16.134	VB	652251	7564689	81.09%	4.436%
18	16.375	16.304	16.454	BV	549270	7116324	76.28%	4.173%
19	17.740	17.701	17.755	BV	468119	6332404	67.88%	3.713%
20	17.778	17.755	17.944	VV	504433	6967880	74.69%	4.086%
21	17.993	17.944	18.168	VV	496008	6744596	72.30%	3.955%
Sum of corrected areas:						170534960		

Aromatic EPH 111424.M Fri Nov 15 02:36:53 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD111424AR\
 Data File : FD048731.D
 Signal(s) : FID2B.ch
 Acq On : 14 Nov 2024 11:51
 Operator : YP/AJ
 Sample : 20 PPM AROMATIC HC STD3
 Misc :
 ALS Vial : 63 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 20 PPM AROMATIC HC STD3

Integration File: autoint1.e
 Quant Time: Nov 14 12:40:33 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 111424.M
 Quant Title : GC Extractables
 QLast Update : Thu Nov 14 12:40:13 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...	7.365	3482492	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
6) S 2-Fluorobiphenyl (SURR)	8.215	2283559	20.000 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	40.00%
11) S ortho-Terphenyl (SURR)	11.250	3765042	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.189	3725913	20.000 ug/ml
2) T Naphthalene (C11.7)	5.706	3875111	20.000 ug/ml
3) T 2-Methylnaphthalene (...)	6.752	3783290	20.000 ug/ml
5) T Acenaphthylene (C15.06)	8.018	3802878	20.000 ug/ml
7) T Acenaphthene (C15.5)	8.312	3777137	20.000 ug/ml
8) T Fluorene (C16.55)	9.091	3788895	20.000 ug/ml
9) T Phenanthrene (C19.36)	10.478	3619123	20.000 ug/ml
10) T Anthracene (C19.43)	10.553	3688027	20.000 ug/ml
12) T Fluoranthene (C21.85)	12.282	3589859	20.000 ug/ml
13) T Pyrene (C20.8)	12.574	3530762	20.000 ug/ml
14) T Benzo[a]anthracene (C...	14.443	3309617	20.000 ug/ml
15) T Chrysene (C27.41)	14.485	3438362	20.000 ug/ml
16) T benzo[b]fluoranthene ...	15.990	3155598	20.000 ug/ml
17) T Bnezo[k]fluoranthene ...	16.022	3220964	20.000 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.366	2984019	20.000 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.730	2492029	20.000 ug/ml
20) T Dibenz[a,h]anthracene...	17.770	3091940	20.000 ug/ml
21) T Benzo[g,h,i]perylene ...	17.980	2846208	20.000 ug/ml

(f)=RT Delta > 1/2 Window

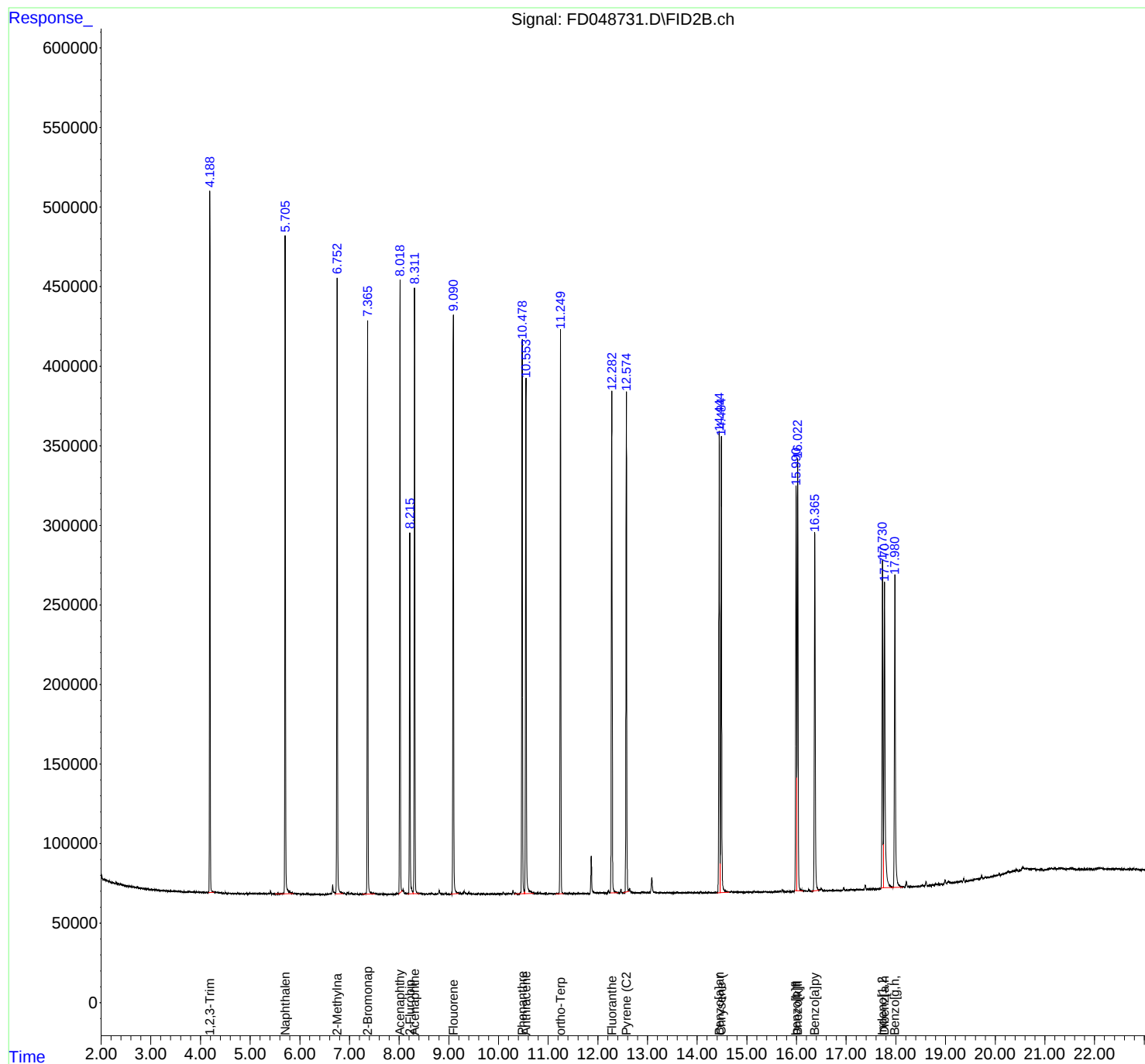
(m)=manual int.

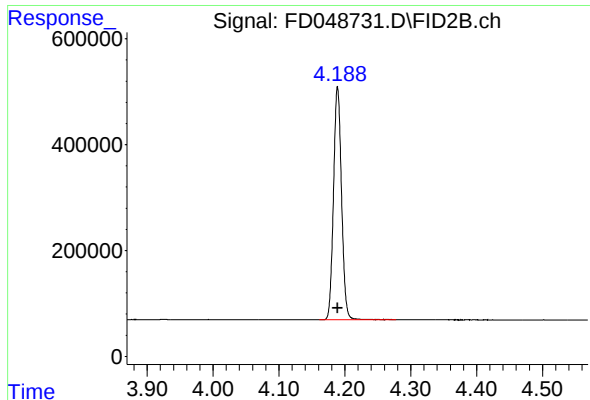
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD111424AR\
Data File : FD048731.D
Signal(s) : FID2B.ch
Acq On : 14 Nov 2024 11:51
Operator : YP/AJ
Sample : 20 PPM AROMATIC HC STD3
Misc :
ALS Vial : 63 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3

Integration File: autoint1.e
Quant Time: Nov 14 12:40:33 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 111424.M
Quant Title : GC Extractables
QLast Update : Thu Nov 14 12:40:13 2024
Response via : Initial Calibration
Integrator: ChemStation

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

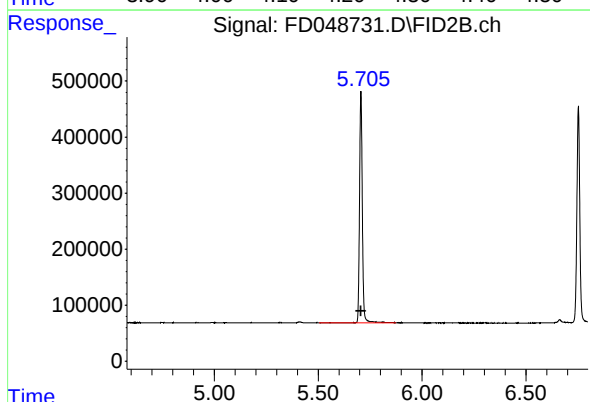




#1 1,2,3-Trimethylbenzene (C10.1)

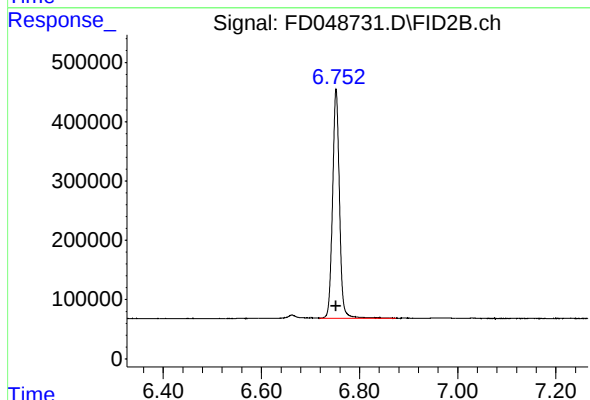
R.T.: 4.189 min
Delta R.T.: 0.000 min
Response: 3725913
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3



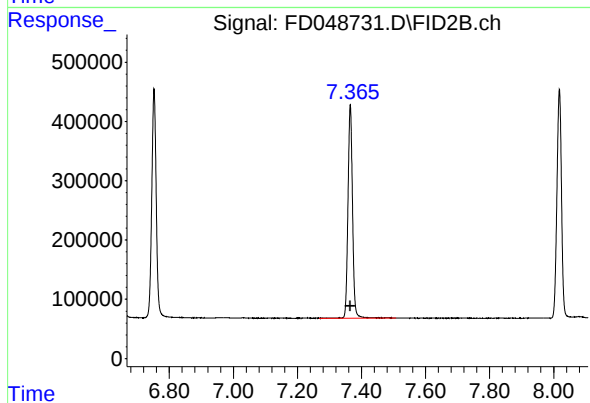
#2 Naphthalene (C11.7)

R.T.: 5.706 min
Delta R.T.: 0.000 min
Response: 3875111
Conc: 20.00 ug/ml



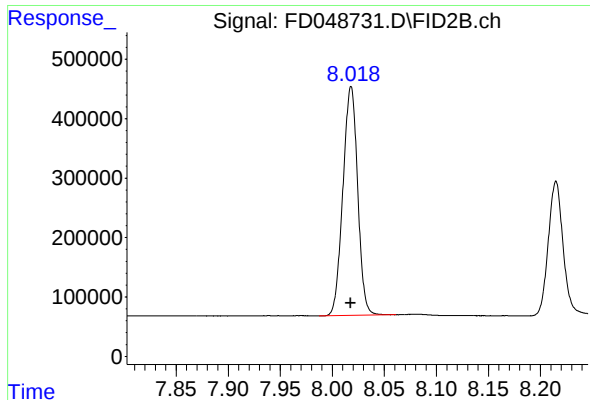
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.752 min
Delta R.T.: 0.000 min
Response: 3783290
Conc: 20.00 ug/ml



#4 2-Bromonaphthalene (SURR)

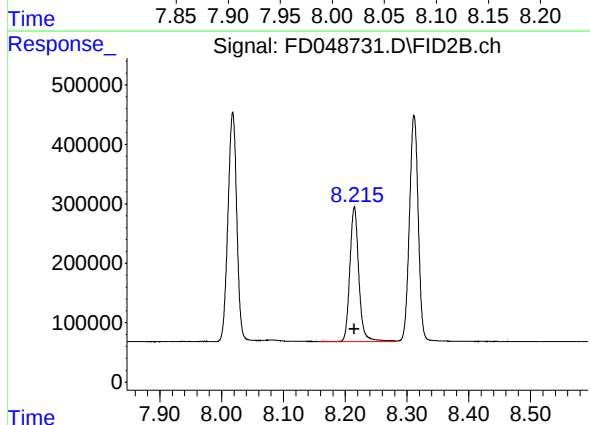
R.T.: 7.365 min
Delta R.T.: 0.000 min
Response: 3482492
Conc: 20.00 ug/ml



#5 Acenaphthylene (C15.06)

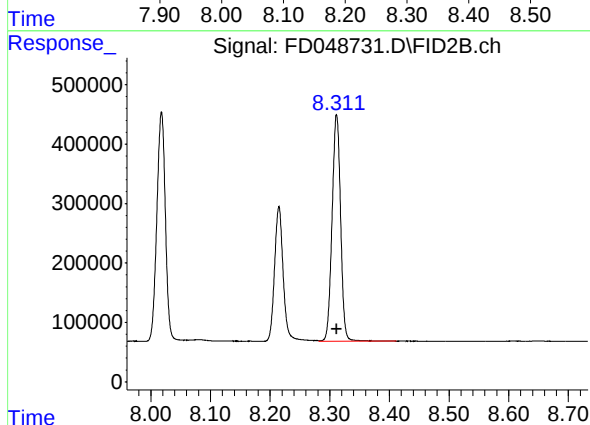
R.T.: 8.018 min
Delta R.T.: 0.000 min
Response: 3802878
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3



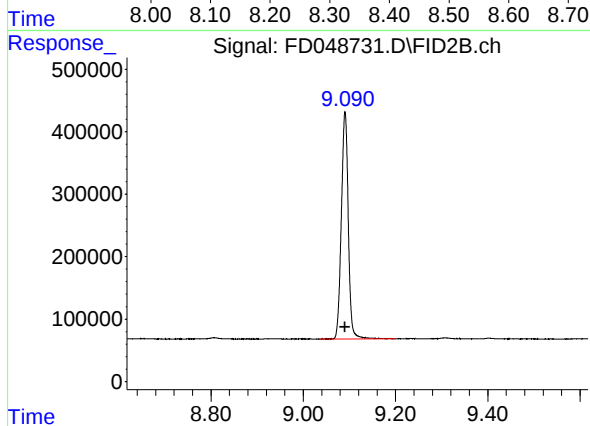
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.215 min
Delta R.T.: 0.000 min
Response: 2283559
Conc: 20.00 ug/ml



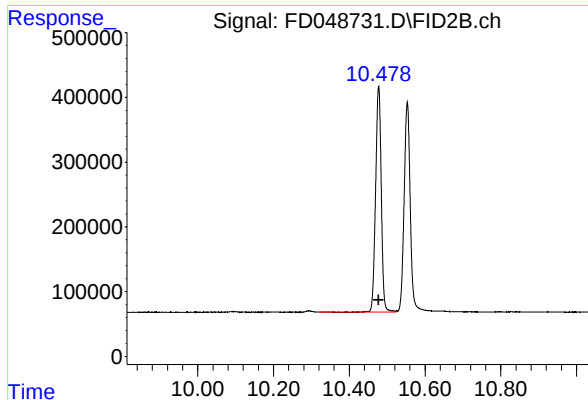
#7 Acenaphthene (C15.5)

R.T.: 8.312 min
Delta R.T.: 0.000 min
Response: 3777137
Conc: 20.00 ug/ml



#8 Fluorene (C16.55)

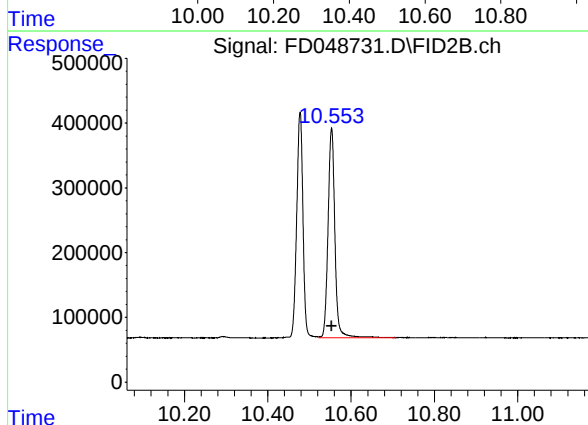
R.T.: 9.091 min
Delta R.T.: 0.000 min
Response: 3788895
Conc: 20.00 ug/ml



#9 Phenanthrene (C19.36)

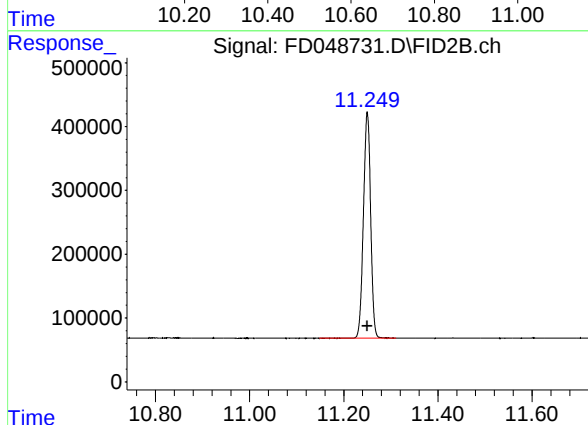
R.T.: 10.478 min
Delta R.T.: 0.000 min
Response: 3619123
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3



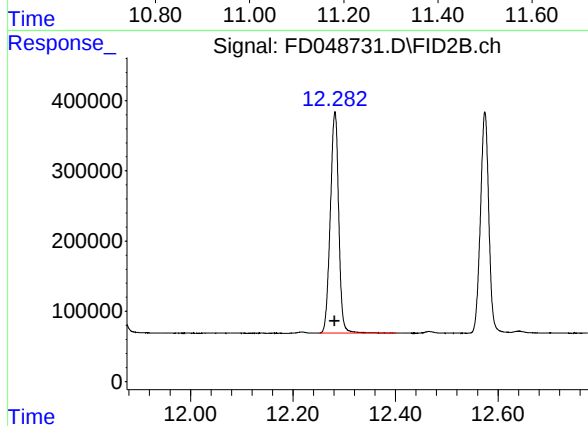
#10 Anthracene (C19.43)

R.T.: 10.553 min
Delta R.T.: 0.000 min
Response: 3688027
Conc: 20.00 ug/ml



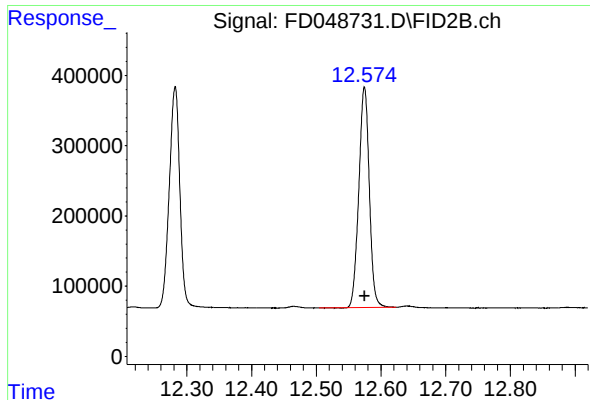
#11 ortho-Terphenyl (SURR)

R.T.: 11.250 min
Delta R.T.: 0.000 min
Response: 3765042
Conc: 20.00 ug/ml



#12 Fluoranthene (C21.85)

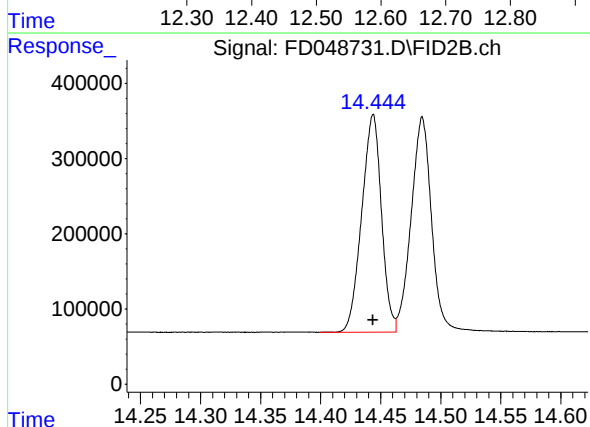
R.T.: 12.282 min
Delta R.T.: 0.000 min
Response: 3589859
Conc: 20.00 ug/ml



#13 Pyrene (C20.8)

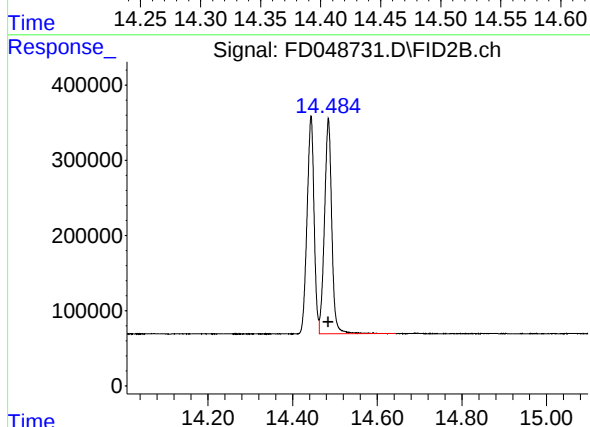
R.T.: 12.574 min
Delta R.T.: 0.000 min
Response: 3530762
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3



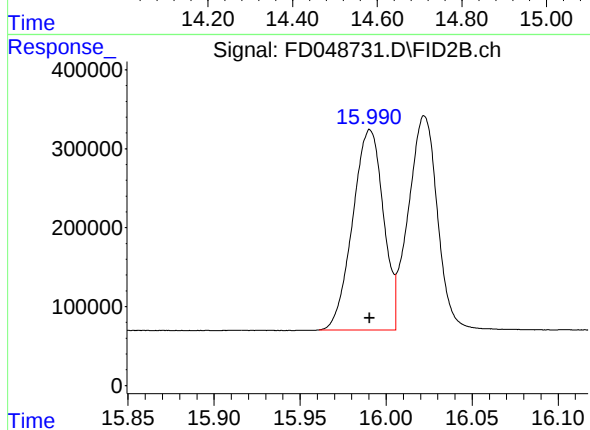
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.443 min
Delta R.T.: 0.000 min
Response: 3309617
Conc: 20.00 ug/ml



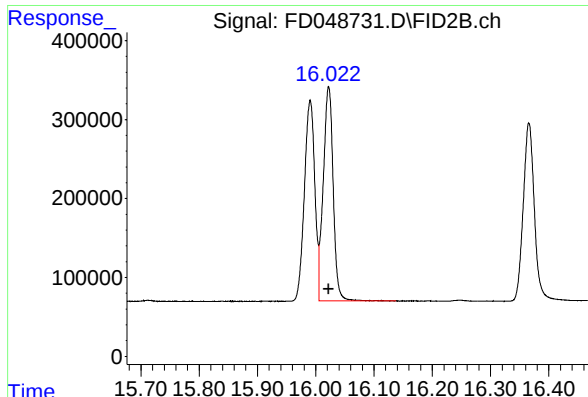
#15 Chrysene (C27.41)

R.T.: 14.485 min
Delta R.T.: 0.000 min
Response: 3438362
Conc: 20.00 ug/ml



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

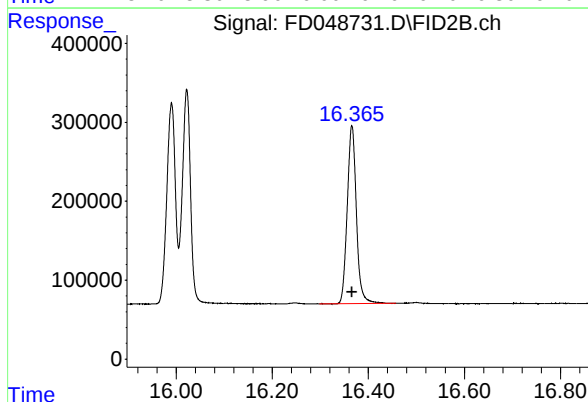
R.T.: 15.990 min
Delta R.T.: 0.000 min
Response: 3155598
Conc: 20.00 ug/ml



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

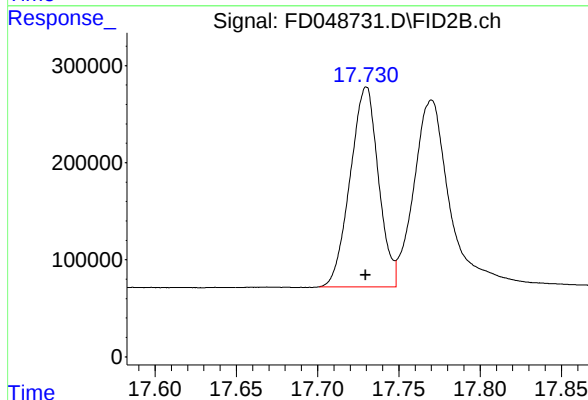
R.T.: 16.022 min
Delta R.T.: 0.000 min
Response: 3220964
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3



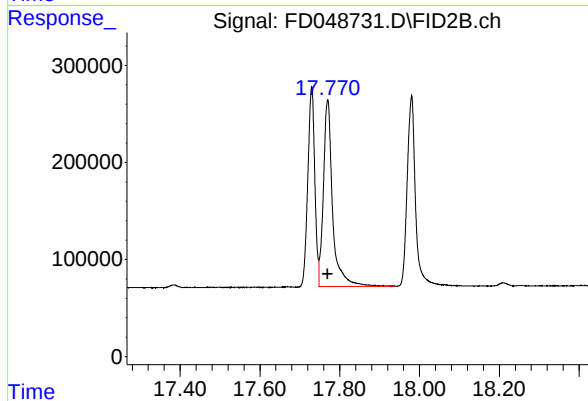
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.366 min
Delta R.T.: 0.000 min
Response: 2984019
Conc: 20.00 ug/ml



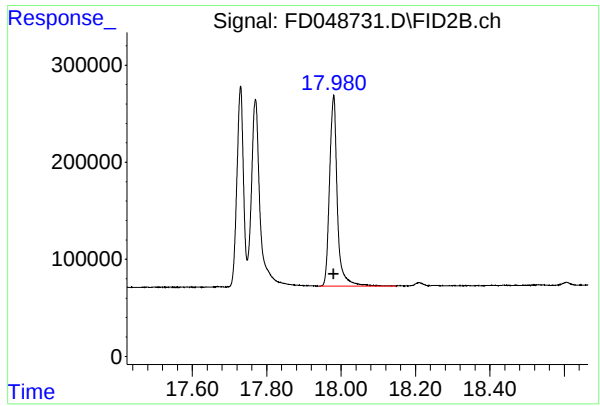
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.730 min
Delta R.T.: 0.000 min
Response: 2492029
Conc: 20.00 ug/ml



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

R.T.: 17.770 min
Delta R.T.: 0.000 min
Response: 3091940
Conc: 20.00 ug/ml



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

R.T.: 17.980 min
Delta R.T.: 0.000 min
Response: 2846208
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\FD111424AR\
Data File : FD048731.D
Signal(s) : FID2B.ch
Acq On : 14 Nov 2024 11:51
Sample : 20 PPM AROMATIC HC STD3
Misc :
ALS Vial : 63 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 111424.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	4.161	4.278	BB	437777	3725913	96.15%	5.229%
2	5.706	5.504	5.874	BB	410892	3875111	100.00%	5.439%
3	6.752	6.718	6.874	VV	383306	3783290	97.63%	5.310%
4	7.365	7.268	7.508	BB	358504	3482492	89.87%	4.888%
5	8.018	7.987	8.061	PV	385080	3802878	98.14%	5.337%
6	8.215	8.158	8.282	BV	225425	2283559	58.93%	3.205%
7	8.312	8.282	8.411	VV	381333	3777137	97.47%	5.301%
8	9.091	9.034	9.201	BV	364311	3788895	97.78%	5.318%
9	10.478	10.320	10.523	VV	349456	3619123	93.39%	5.079%
10	10.553	10.523	10.708	VV	325247	3688027	95.17%	5.176%
11	11.250	11.148	11.311	BB	352977	3765042	97.16%	5.284%
12	12.282	12.251	12.401	PB	314199	3589859	92.64%	5.038%
13	12.574	12.504	12.623	BV	314367	3530762	91.11%	4.955%
14	14.443	14.399	14.463	PV	291252	3309617	85.41%	4.645%
15	14.485	14.463	14.644	VB	285404	3438362	88.73%	4.826%
16	15.990	15.961	16.006	BV	254269	3155598	81.43%	4.429%
17	16.022	16.006	16.138	VB	270938	3220964	83.12%	4.521%
18	16.366	16.298	16.458	BV	225537	2984019	77.00%	4.188%
19	17.730	17.701	17.748	BV	208499	2492029	64.31%	3.498%
20	17.770	17.748	17.941	VV	193652	3091940	79.79%	4.340%
21	17.980	17.941	18.148	VB	198480	2846208	73.45%	3.995%
Sum of corrected areas:						71250824		

Aromatic EPH 111424.M Fri Nov 15 02:37:36 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD111424AR\
 Data File : FD048732.D
 Signal(s) : FID2B.ch
 Acq On : 14 Nov 2024 12:27
 Operator : YP/AJ
 Sample : 10 PPM AROMATIC HC STD4
 Misc :
 ALS Vial : 64 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 10 PPM AROMATIC HC STD4

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/15/2024
 Supervised By :Ankita Jodhani 11/15/2024

Integration File: autoint1.e
 Quant Time: Nov 14 13:17:15 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 111424.M
 Quant Title : GC Extractables
 QLast Update : Thu Nov 14 13:17:05 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...	7.365	1863801	10.821 ug/ml
Spiked Amount 50.000		Recovery =	21.64%
6) S 2-Fluorobiphenyl (SURR)	8.215	1201178	10.554 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	21.11%
11) S ortho-Terphenyl (SURR)	11.249	2040759	10.910 ug/ml
Spiked Amount 50.000		Recovery =	21.82%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.189	1983747	10.728 ug/ml
2) T Naphthalene (C11.7)	5.706	2064735	10.722 ug/ml
3) T 2-Methylnaphthalene (...)	6.752	2042165	10.825 ug/ml
5) T Acenaphthylene (C15.06)	8.017	2046764	10.849 ug/mlm
7) T Acenaphthene (C15.5)	8.311	2041539	10.874 ug/ml
8) T Flouorene (C16.55)	9.090	2022487	10.732 ug/ml
9) T Phenanthrene (C19.36)	10.476	1926152	10.709 ug/ml
10) T Anthracene (C19.43)	10.552	1984238	10.885 ug/ml
12) T Fluoranthene (C21.85)	12.281	1932115	10.839 ug/ml
13) T Pyrene (C20.8)	12.574	1881150	10.713 ug/ml
14) T Benzo[a]anthracene (C...	14.443	1716582	10.495 ug/ml
15) T Chrysene (C27.41)	14.484	1873731	11.079 ug/ml
16) T benzo[b]fluoranthene ...	15.988	1642501	10.583 ug/ml
17) T Bnezo[k]fluoranthene ...	16.019	1721554	10.948 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.368	1568595	10.709 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.732	1231117	9.811 ug/ml
20) T Dibenz[a,h]anthracene...	17.772	1732686	11.625 ug/ml
21) T Benzo[g,h,i]perylene ...	17.981	1511827	10.839 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD111424AR\
Data File : FD048732.D
Signal(s) : FID2B.ch
Acq On : 14 Nov 2024 12:27
Operator : YP/AJ
Sample : 10 PPM AROMATIC HC STD4
Misc :
ALS Vial : 64 Sample Multiplier: 1

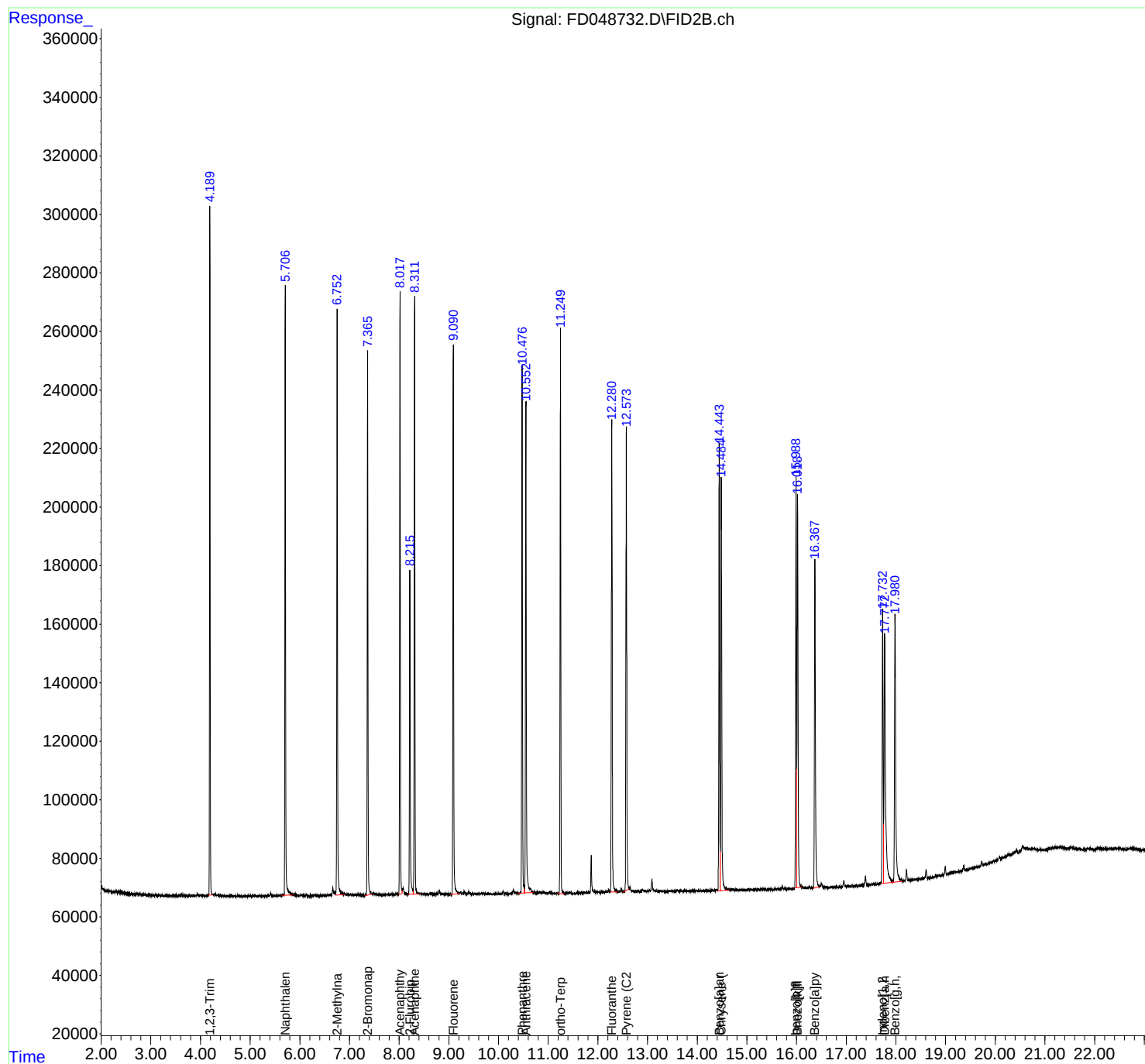
Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4

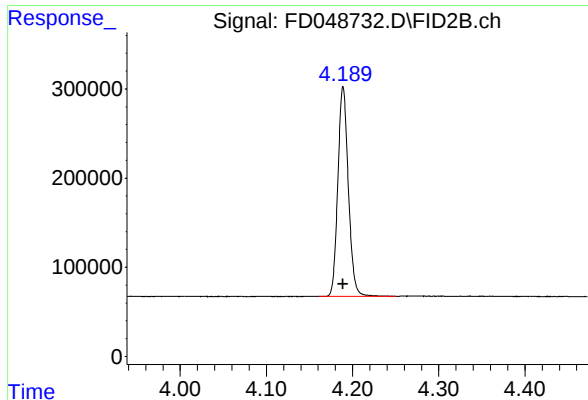
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/15/2024
Supervised By :Ankita Jodhani 11/15/2024

Integration File: autoint1.e
Quant Time: Nov 14 13:17:15 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 111424.M
Quant Title : GC Extractables
QLast Update : Thu Nov 14 13:17:05 2024
Response via : Initial Calibration
Integrator: ChemStation

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





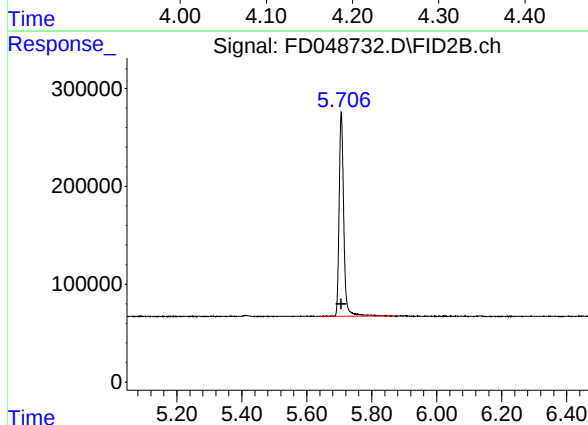
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.189 min
Delta R.T.: 0.000 min
Response: 1983747
Conc: 10.73 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4

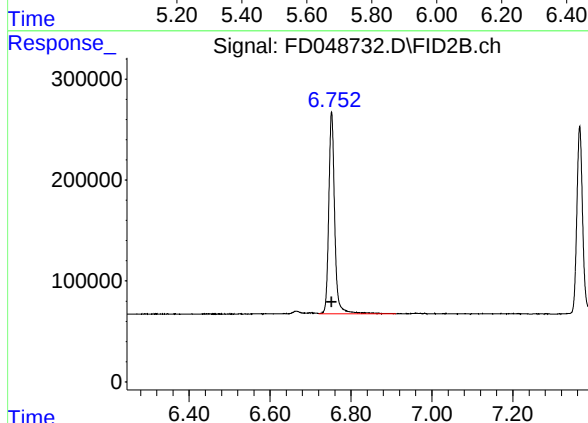
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/15/2024
Supervised By :Ankita Jodhani 11/15/2024



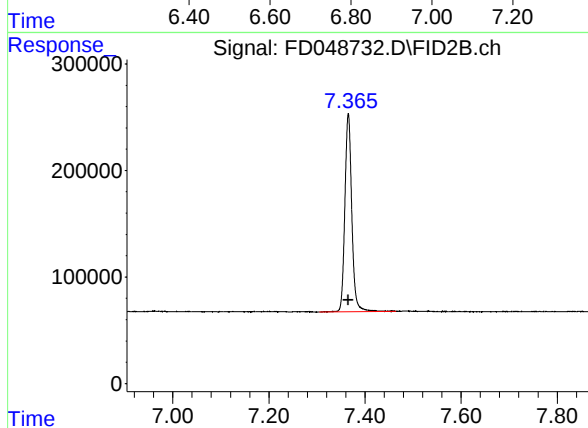
#2 Naphthalene (C11.7)

R.T.: 5.706 min
Delta R.T.: 0.000 min
Response: 2064735
Conc: 10.72 ug/ml



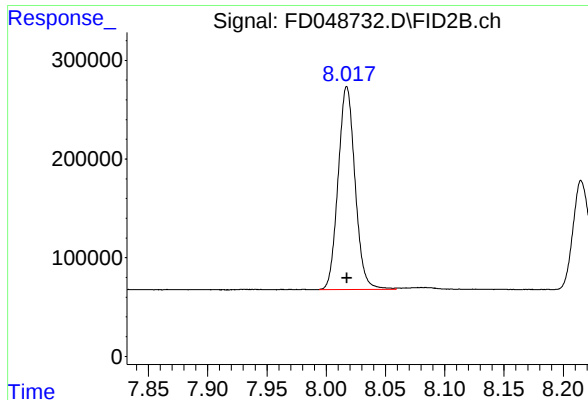
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.752 min
Delta R.T.: 0.000 min
Response: 2042165
Conc: 10.83 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.365 min
Delta R.T.: 0.000 min
Response: 1863801
Conc: 10.82 ug/ml



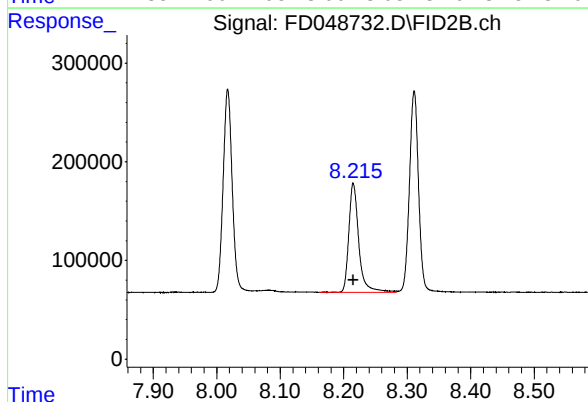
#5 Acenaphthylene (C15.06)

R.T.: 8.017 min
Delta R.T.: 0.000 min
Response: 2046764
Conc: 10.85 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4

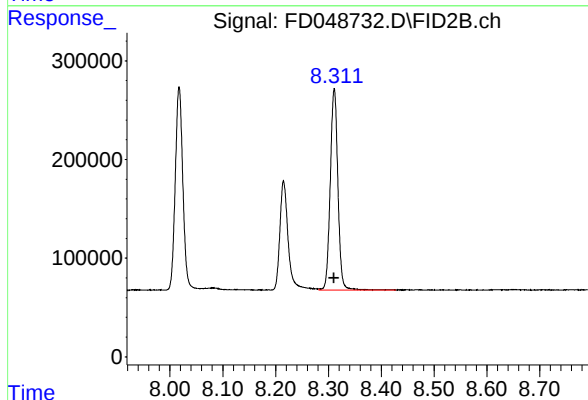
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/15/2024
Supervised By :Ankita Jodhani 11/15/2024



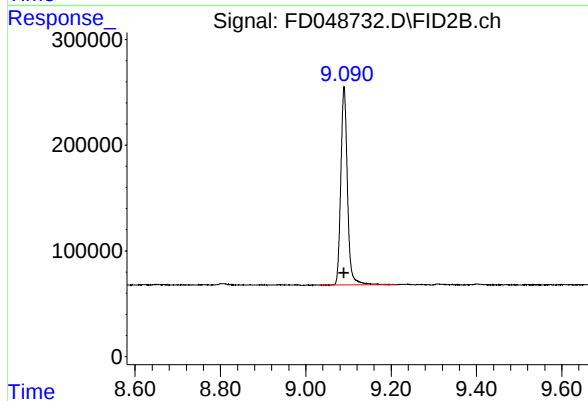
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.215 min
Delta R.T.: 0.000 min
Response: 1201178
Conc: 10.55 ug/ml



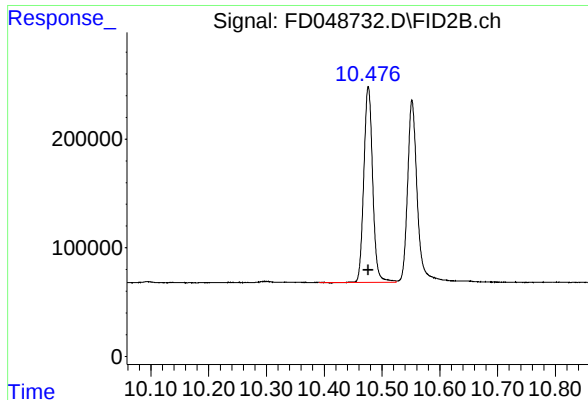
#7 Acenaphthene (C15.5)

R.T.: 8.311 min
Delta R.T.: 0.000 min
Response: 2041539
Conc: 10.87 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.090 min
Delta R.T.: 0.000 min
Response: 2022487
Conc: 10.73 ug/ml



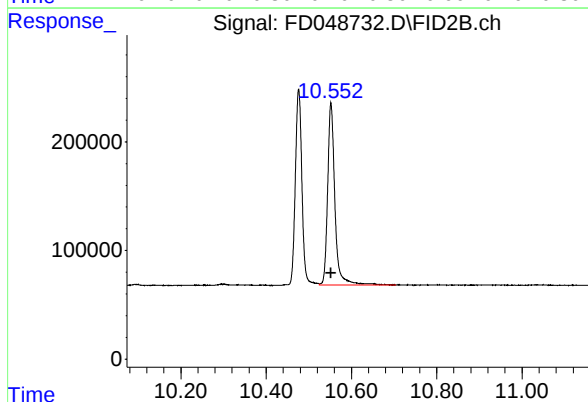
#9 Phenanthrene (C19.36)

R.T.: 10.476 min
Delta R.T.: 0.000 min
Response: 1926152
Conc: 10.71 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4

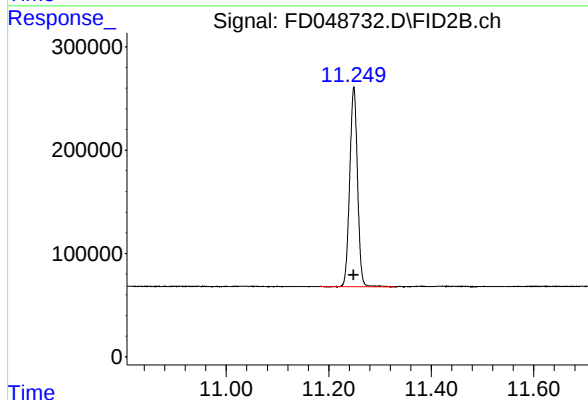
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/15/2024
Supervised By :Ankita Jodhani 11/15/2024



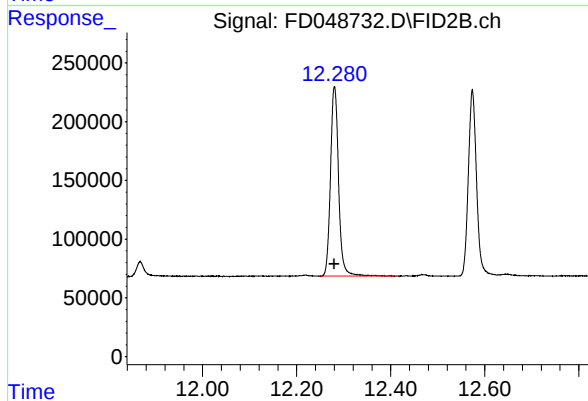
#10 Anthracene (C19.43)

R.T.: 10.552 min
Delta R.T.: 0.000 min
Response: 1984238
Conc: 10.89 ug/ml



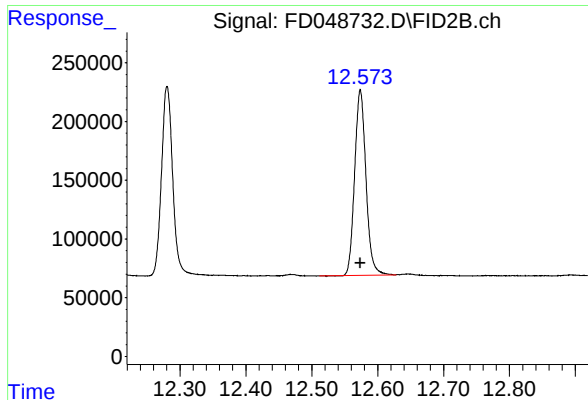
#11 ortho-Terphenyl (SURR)

R.T.: 11.249 min
Delta R.T.: 0.000 min
Response: 2040759
Conc: 10.91 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.281 min
Delta R.T.: 0.000 min
Response: 1932115
Conc: 10.84 ug/ml



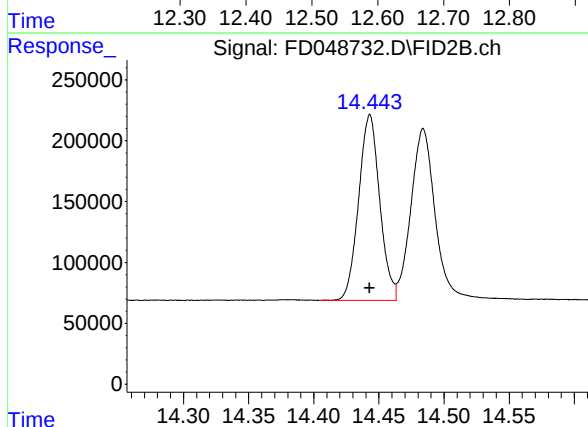
#13 Pyrene (C20.8)

R.T.: 12.574 min
Delta R.T.: 0.000 min
Response: 1881150
Conc: 10.71 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4

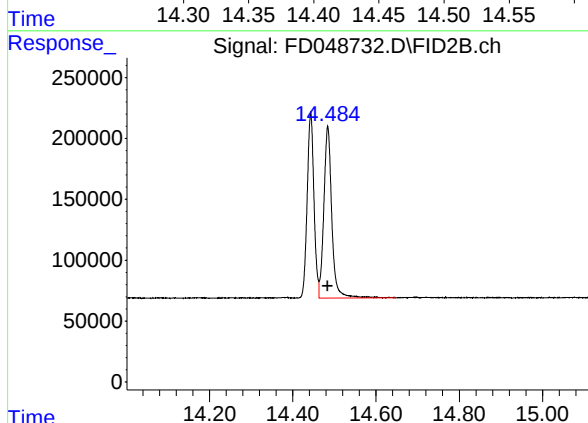
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/15/2024
Supervised By :Ankita Jodhani 11/15/2024



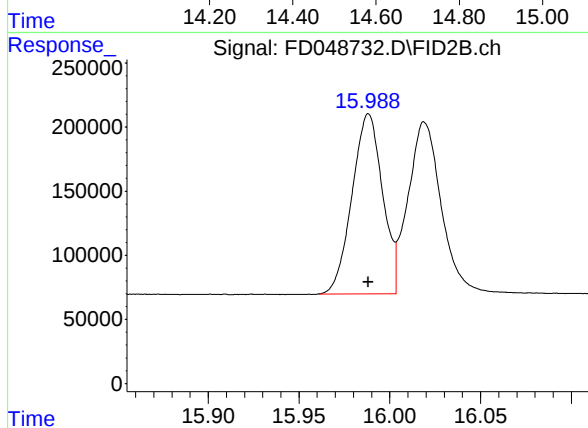
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.443 min
Delta R.T.: 0.000 min
Response: 1716582
Conc: 10.49 ug/ml



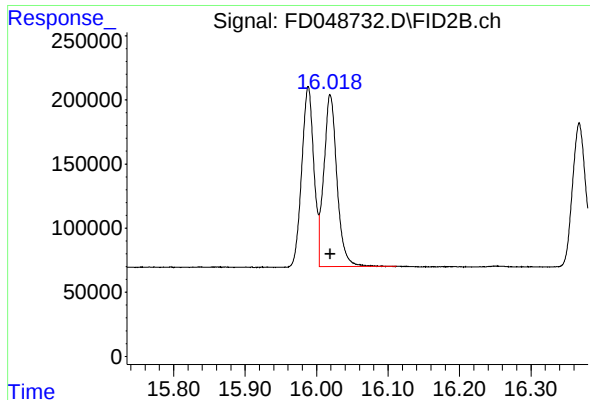
#15 Chrysene (C27.41)

R.T.: 14.484 min
Delta R.T.: 0.000 min
Response: 1873731
Conc: 11.08 ug/ml



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

R.T.: 15.988 min
Delta R.T.: 0.000 min
Response: 1642501
Conc: 10.58 ug/ml



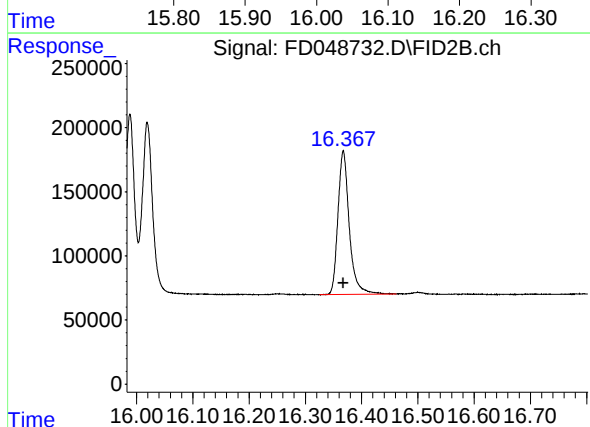
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.019 min
Delta R.T.: 0.000 min
Response: 1721554
Conc: 10.95 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4

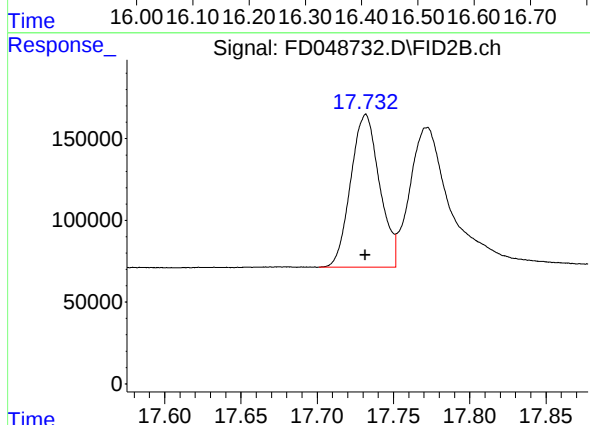
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/15/2024
Supervised By :Ankita Jodhani 11/15/2024



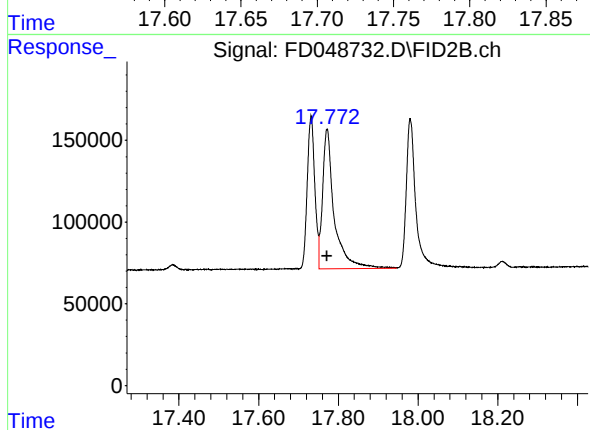
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.368 min
Delta R.T.: 0.000 min
Response: 1568595
Conc: 10.71 ug/ml



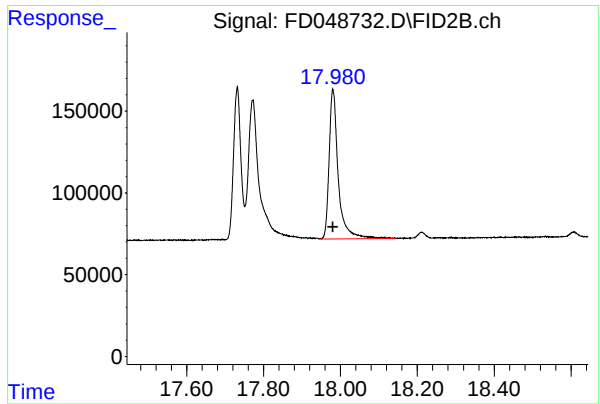
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.732 min
Delta R.T.: 0.000 min
Response: 1231117
Conc: 9.81 ug/ml



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

R.T.: 17.772 min
Delta R.T.: 0.000 min
Response: 1732686
Conc: 11.62 ug/ml



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

R.T.: 17.981 min
Delta R.T.: 0.000 min
Response: 1511827
Conc: 10.84 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/15/2024
Supervised By :Ankita Jodhani 11/15/2024

nteres

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD11142
Data File : FD048732.D
Signal(s) : FID2B.ch
Acq On : 14 Nov 2024 12:27
Sample : 10 PPM AROMATIC HC STD4
Misc :
ALS Vial : 64 Sample Multiplier: 1

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/15/2024
Supervised By :Ankita Jodhani 11/15/2024

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 111424.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	4.161	4.250	BV	233609	1983747	96.08%	5.224%
2	5.706	5.638	5.874	BB	205733	2064735	100.00%	5.437%
3	6.752	6.721	6.911	VB	199787	2042165	98.91%	5.378%
4	7.365	7.304	7.464	BV	185172	1863801	90.27%	4.908%
5	8.017	7.908	8.058	BV	204705	1990251	96.39%	5.241%
6	8.215	8.161	8.282	BV	110440	1201178	58.18%	3.163%
7	8.311	8.282	8.428	VB	204004	2041539	98.88%	5.376%
8	9.090	9.031	9.211	BV	185906	2022487	97.95%	5.326%
9	10.476	10.391	10.524	BV	179662	1926152	93.29%	5.072%
10	10.552	10.524	10.704	VB	167359	1984238	96.10%	5.225%
11	11.249	11.181	11.331	BB	191260	2040759	98.84%	5.374%
12	12.281	12.248	12.411	PB	161313	1932115	93.58%	5.088%
13	12.574	12.511	12.628	BV	157685	1881150	91.11%	4.954%
14	14.443	14.404	14.463	PV	152971	1716582	83.14%	4.521%
15	14.484	14.463	14.648	VB	141132	1873731	90.75%	4.934%
16	15.988	15.961	16.004	BV	140342	1642501	79.55%	4.325%
17	16.019	16.004	16.111	VB	134248	1721554	83.38%	4.534%
18	16.368	16.324	16.461	BV	112062	1568595	75.97%	4.131%
19	17.732	17.701	17.752	BV	92959	1231117	59.63%	3.242%
20	17.772	17.752	17.944	VV	85540	1732686	83.92%	4.563%
21	17.981	17.944	18.144	VB	90909	1511827	73.22%	3.981%
Sum of corrected areas:						37972909		

Aromatic EPH 111424.M Fri Nov 15 02:38:18 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD111424AR\
 Data File : FD048733.D
 Signal(s) : FID2B.ch
 Acq On : 14 Nov 2024 13:03
 Operator : YP/AJ
 Sample : 5 PPM AROMATIC HC STD5
 Misc :
 ALS Vial : 65 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 5 PPM AROMATIC HC STD5

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/15/2024
 Supervised By :Ankita Jodhani 11/15/2024

Integration File: autoint1.e
 Quant Time: Nov 14 14:15:10 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 111424.M
 Quant Title : GC Extractables
 QLast Update : Thu Nov 14 14:14:59 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...	7.366	956649	5.434 ug/ml
Spiked Amount 50.000		Recovery =	10.87%
6) S 2-Fluorobiphenyl (SURR)	8.218	602930	5.235 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	10.47%
11) S ortho-Terphenyl (SURR)	11.249	1067441	5.550 ug/ml
Spiked Amount 50.000		Recovery =	11.10%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.191	1013256	5.376 ug/ml
2) T Naphthalene (C11.7)	5.708	1037837	5.307 ug/ml
3) T 2-Methylnaphthalene (...)	6.754	1004705	5.257 ug/ml
5) T Acenaphthylene (C15.06)	8.018	1046849	5.401 ug/mlm
7) T Acenaphthene (C15.5)	8.311	1053869	5.479 ug/ml
8) T Fluorene (C16.55)	9.091	1027378	5.355 ug/ml
9) T Phenanthrene (C19.36)	10.478	985284	5.375 ug/ml
10) T Anthracene (C19.43)	10.555	1036004	5.532 ug/ml
12) T Fluoranthene (C21.85)	12.283	1012953	5.532 ug/ml
13) T Pyrene (C20.8)	12.575	1008015	5.576 ug/ml
14) T Benzo[a]anthracene (C...	14.445	841277	5.114 ug/ml
15) T Chrysene (C27.41)	14.484	992963	5.674 ug/ml
16) T benzo[b]fluoranthene ...	15.991	823966	5.244 ug/ml
17) T Bnezo[k]fluoranthene ...	16.023	934929	5.729 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.373	798077	5.353 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.737	578696	4.685 ug/ml
20) T Dibenz[a,h]anthracene...	17.779	939261	5.990 ug/ml
21) T Benzo[g,h,i]perylene ...	17.984	777679	5.450 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD11424AR\
Data File : FD048733.D
Signal(s) : FID2B.ch
Acq On : 14 Nov 2024 13:03
Operator : YP/AJ
Sample : 5 PPM AROMATIC HC STD5
Misc :
ALS Vial : 65 Sample Multiplier: 1

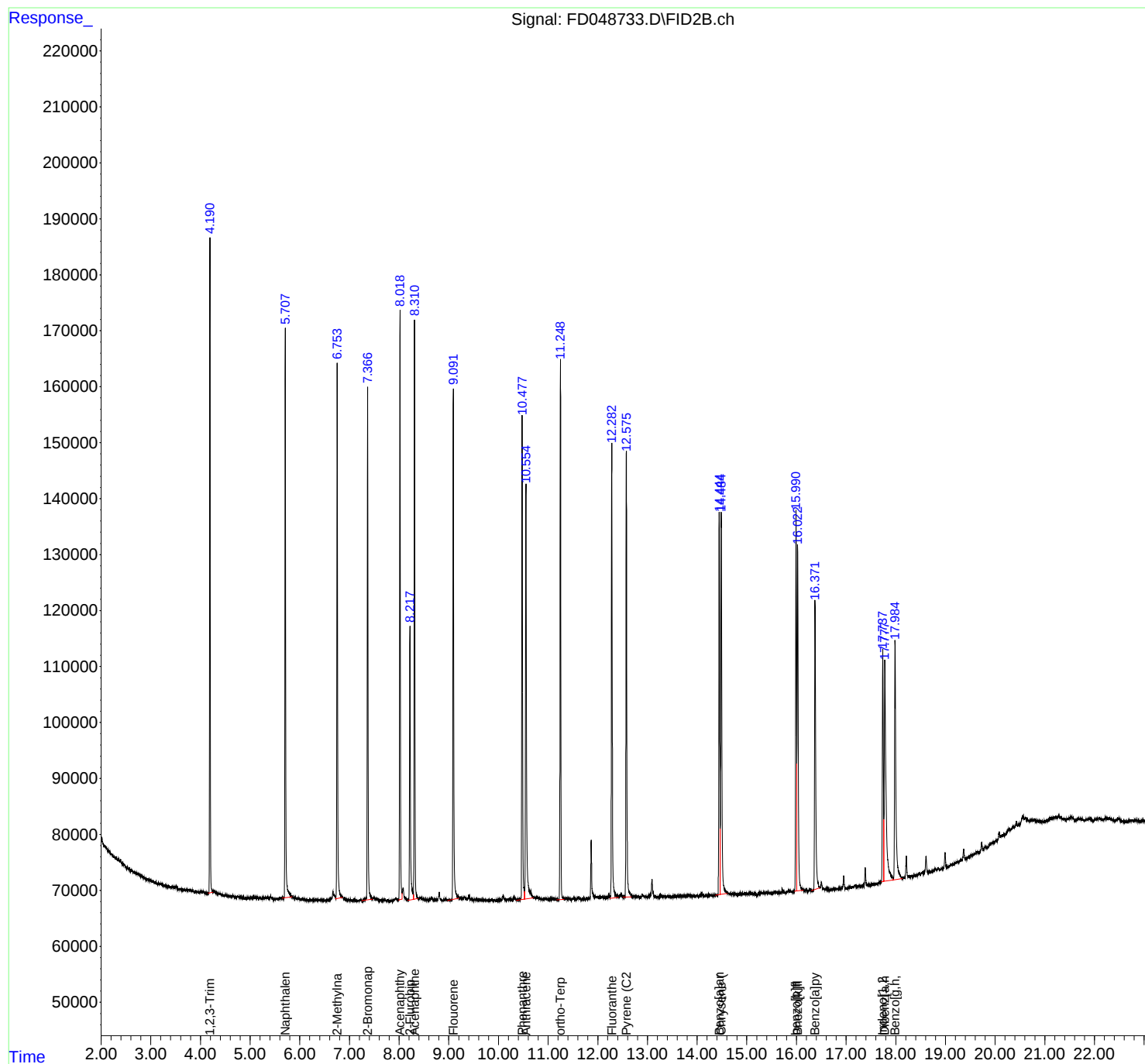
Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5

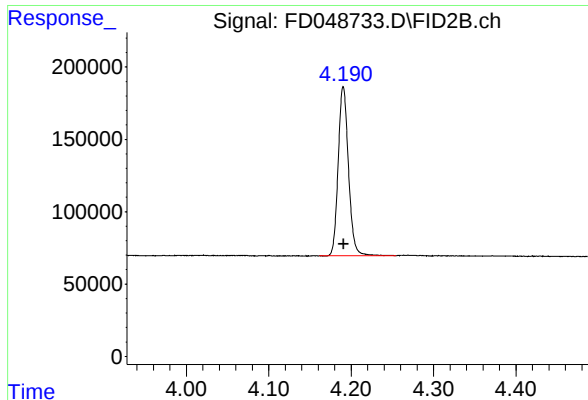
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/15/2024
Supervised By :Ankita Jodhani 11/15/2024

Integration File: autoint1.e
Quant Time: Nov 14 14:15:10 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 111424.M
Quant Title : GC Extractables
QLast Update : Thu Nov 14 14:14:59 2024
Response via : Initial Calibration
Integrator: ChemStation

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





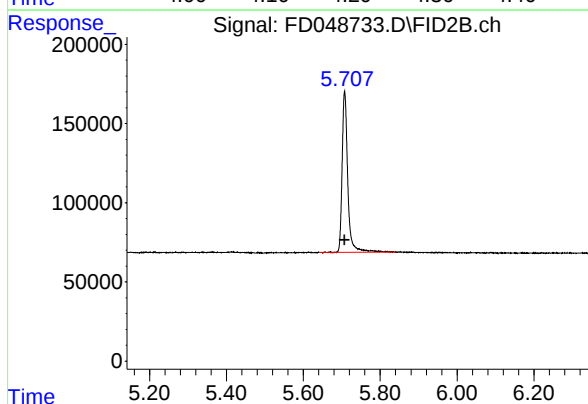
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.191 min
Delta R.T.: 0.000 min
Response: 1013256
Conc: 5.38 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5

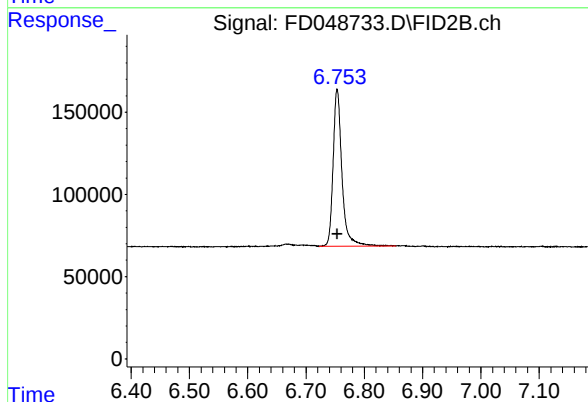
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/15/2024
Supervised By :Ankita Jodhani 11/15/2024



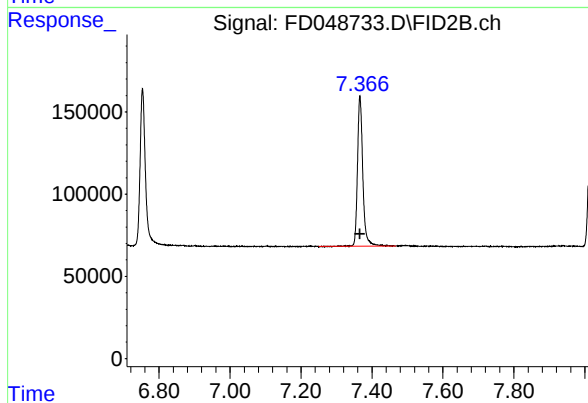
#2 Naphthalene (C11.7)

R.T.: 5.708 min
Delta R.T.: 0.000 min
Response: 1037837
Conc: 5.31 ug/ml



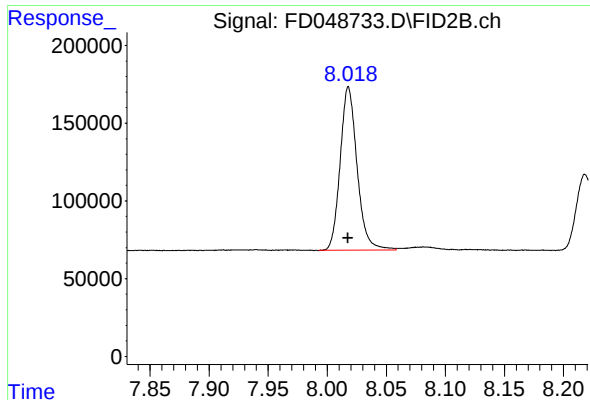
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.754 min
Delta R.T.: 0.000 min
Response: 1004705
Conc: 5.26 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.366 min
Delta R.T.: 0.000 min
Response: 956649
Conc: 5.43 ug/ml



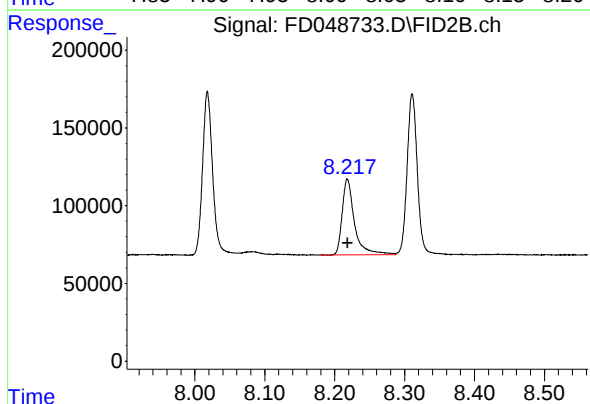
#5 Acenaphthylene (C15.06)

R.T.: 8.018 min
Delta R.T.: 0.000 min
Response: 1046849
Conc: 5.40 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5

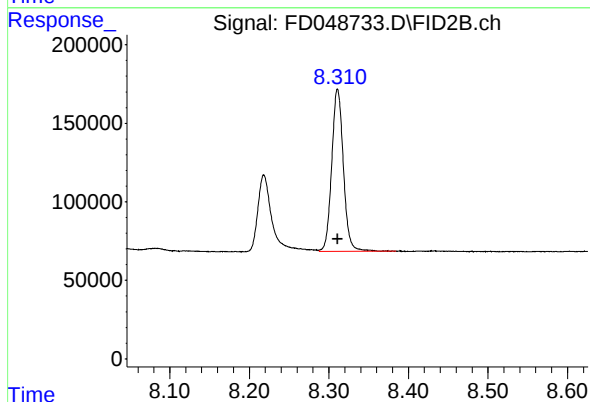
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/15/2024
Supervised By :Ankita Jodhani 11/15/2024



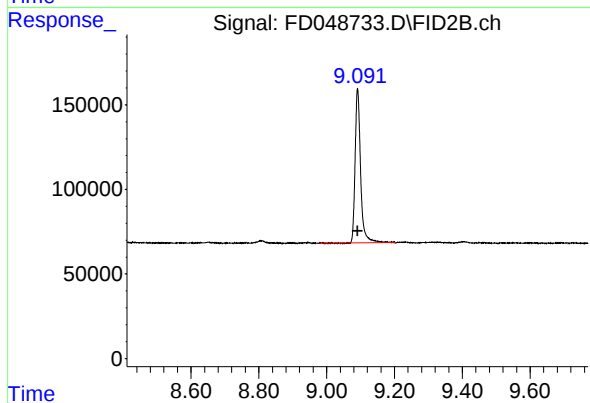
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.218 min
Delta R.T.: 0.000 min
Response: 602930
Conc: 5.24 ug/ml



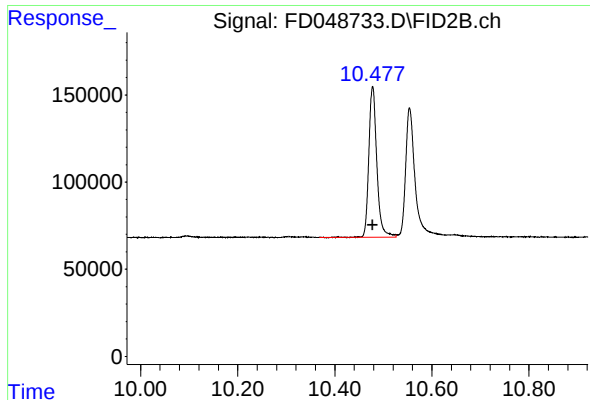
#7 Acenaphthene (C15.5)

R.T.: 8.311 min
Delta R.T.: 0.000 min
Response: 1053869
Conc: 5.48 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.091 min
Delta R.T.: 0.000 min
Response: 1027378
Conc: 5.36 ug/ml



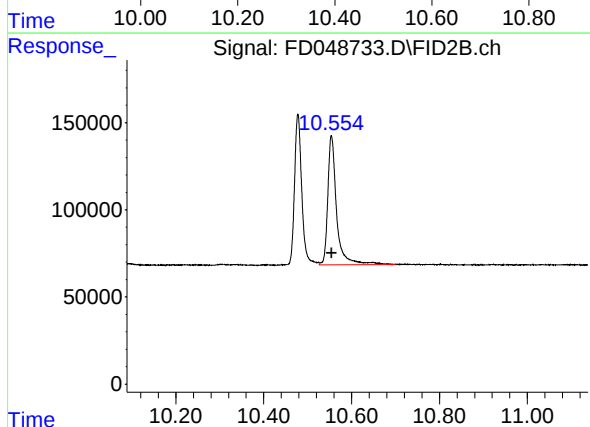
#9 Phenanthrene (C19.36)

R.T.: 10.478 min
Delta R.T.: 0.000 min
Response: 985284
Conc: 5.38 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5

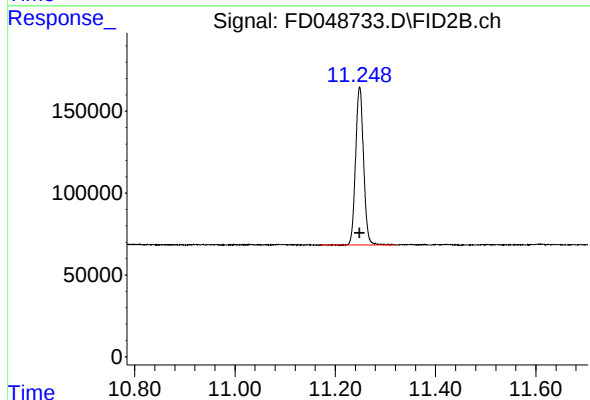
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/15/2024
Supervised By :Ankita Jodhani 11/15/2024



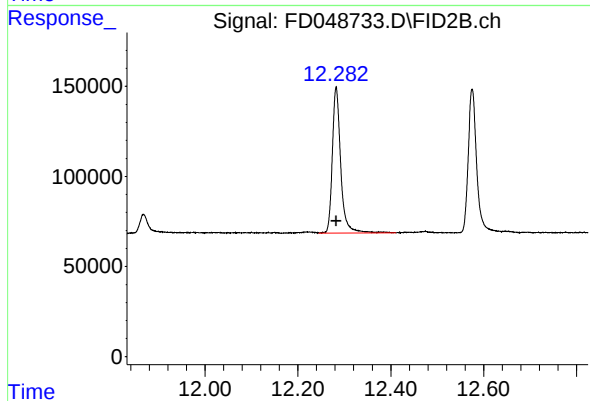
#10 Anthracene (C19.43)

R.T.: 10.555 min
Delta R.T.: 0.000 min
Response: 1036004
Conc: 5.53 ug/ml



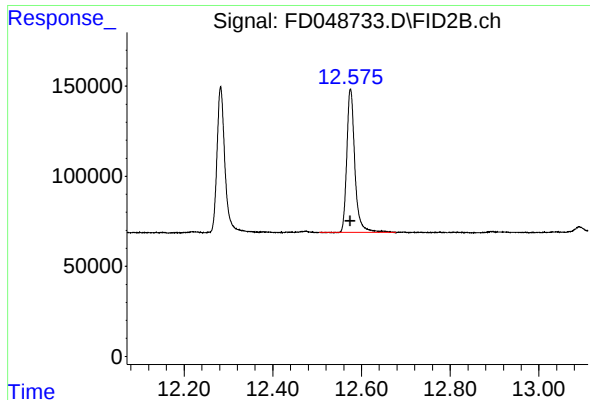
#11 ortho-Terphenyl (SURR)

R.T.: 11.249 min
Delta R.T.: 0.000 min
Response: 1067441
Conc: 5.55 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.283 min
Delta R.T.: 0.000 min
Response: 1012953
Conc: 5.53 ug/ml



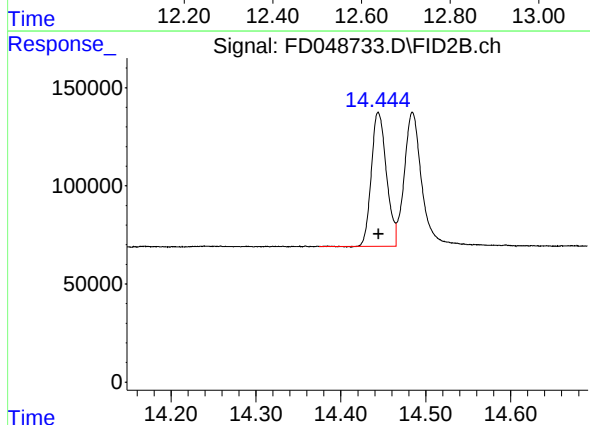
#13 Pyrene (C20.8)

R.T.: 12.575 min
Delta R.T.: 0.000 min
Response: 1008015
Conc: 5.58 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5

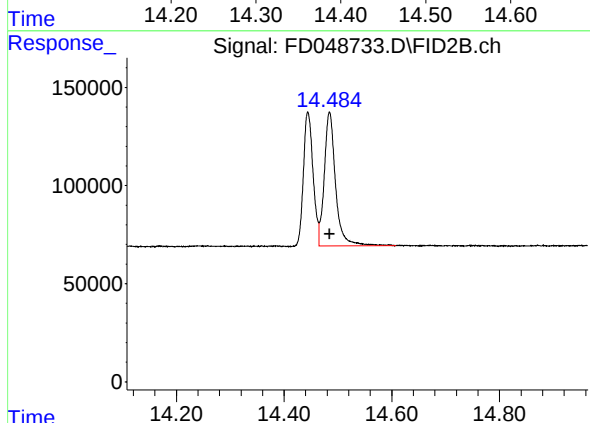
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/15/2024
Supervised By :Ankita Jodhani 11/15/2024



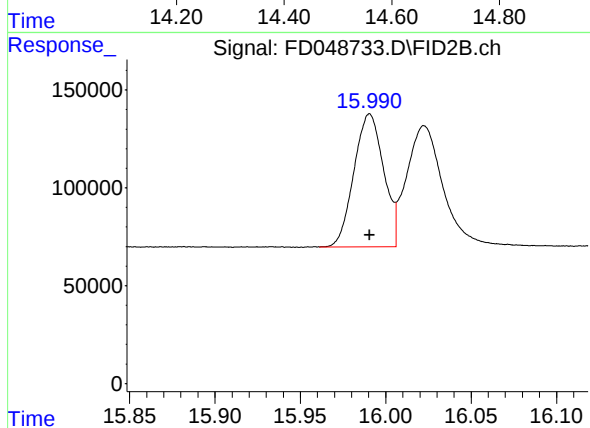
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.445 min
Delta R.T.: 0.000 min
Response: 841277
Conc: 5.11 ug/ml



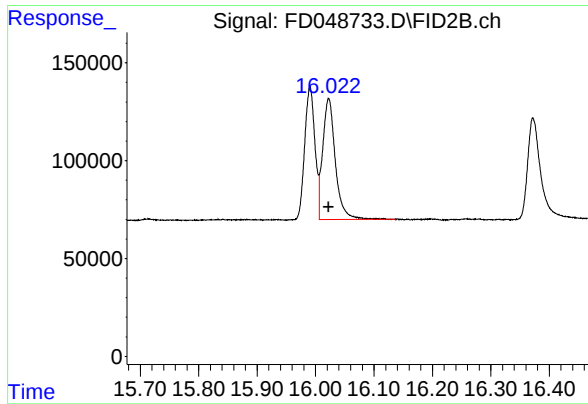
#15 Chrysene (C27.41)

R.T.: 14.484 min
Delta R.T.: 0.000 min
Response: 992963
Conc: 5.67 ug/ml



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

R.T.: 15.991 min
Delta R.T.: 0.000 min
Response: 823966
Conc: 5.24 ug/ml



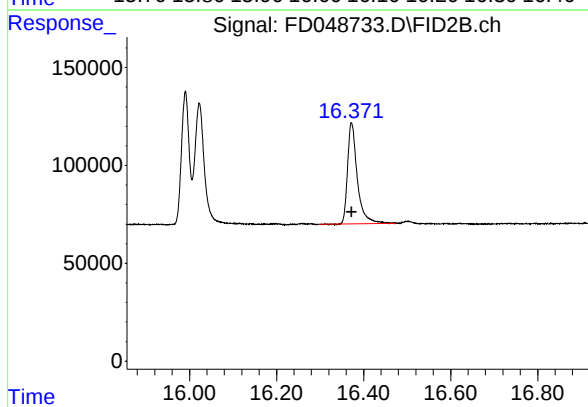
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.023 min
Delta R.T.: 0.000 min
Response: 934929
Conc: 5.73 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5

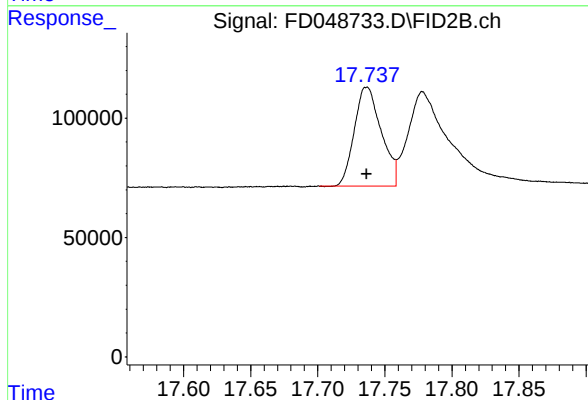
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/15/2024
Supervised By :Ankita Jodhani 11/15/2024



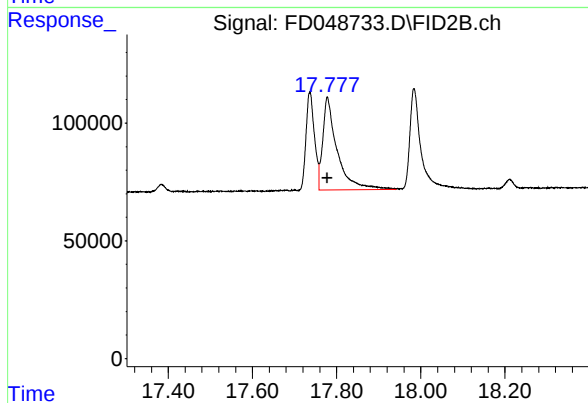
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.373 min
Delta R.T.: 0.000 min
Response: 798077
Conc: 5.35 ug/ml



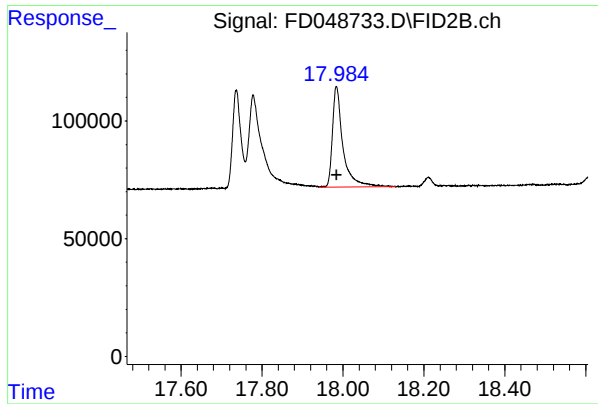
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.737 min
Delta R.T.: 0.000 min
Response: 578696
Conc: 4.68 ug/ml



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

R.T.: 17.779 min
Delta R.T.: 0.000 min
Response: 939261
Conc: 5.99 ug/ml



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

R.T.: 17.984 min
Delta R.T.: 0.000 min
Response: 777679
Conc: 5.45 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/15/2024
Supervised By :Ankita Jodhani 11/15/2024

nteres

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

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/15/2024
Supervised By :Ankita Jodhani 11/15/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD11142
Data File : FD048733.D
Signal(s) : FID2B.ch
Acq On : 14 Nov 2024 13:03
Sample : 5 PPM AROMATIC HC STD5
Misc :
ALS Vial : 65 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 111424.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	4.191	4.161	4.254	BV	116503	1013460	94.97%	5.156%
2	5.708	5.468	5.881	BB	101464	1062095	99.53%	5.404%
3	6.754	6.722	6.888	VV	95110	1033950	96.89%	5.261%
4	7.366	7.254	7.468	PV	90022	967818	90.70%	4.924%
5	8.018	7.991	8.061	BV	105007	1055306	98.90%	5.369%
6	8.218	8.188	8.288	BV	48864	605370	56.73%	3.080%
7	8.311	8.288	8.401	VV	103482	1061536	99.48%	5.401%
8	9.091	9.061	9.204	BV	91282	1037710	97.25%	5.280%
9	10.478	10.423	10.526	PV	86515	986679	92.46%	5.020%
10	10.555	10.526	10.701	VB	73924	1038026	97.28%	5.281%
11	11.249	11.161	11.321	BV	96018	1067091	100.00%	5.429%
12	12.283	12.245	12.366	PV	80793	992105	92.97%	5.048%
13	12.575	12.544	12.678	PV	79897	1010468	94.69%	5.141%
14	14.445	14.410	14.465	PV	68221	849481	79.61%	4.322%
15	14.484	14.465	14.621	VB	68412	1002369	93.93%	5.100%
16	15.991	15.961	16.006	BV	68030	824535	77.27%	4.195%
17	16.023	16.006	16.151	VV	61813	944585	88.52%	4.806%
18	16.373	16.308	16.474	BV	51971	804914	75.43%	4.095%
19	17.737	17.701	17.758	BV	41491	578719	54.23%	2.944%
20	17.779	17.758	17.948	VV	39405	940654	88.15%	4.786%
21	17.984	17.948	18.132	VV	42709	777552	72.87%	3.956%
Sum of corrected areas:						19654423		

Aromatic EPH 111424.M Fri Nov 15 02:40:01 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD111424AR\
 Data File : FD048734.D
 Signal(s) : FID2B.ch
 Acq On : 14 Nov 2024 13:49
 Operator : YP/AJ
 Sample : 20 PPM AROMATIC HC STD ICV
 Misc :
 ALS Vial : 66 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 20 PPM AROMATIC HC STD ICV

Integration File: autoint1.e
 Quant Time: Nov 14 16:39:35 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 111424.M
 Quant Title : GC Extractables
 QLast Update : Thu Nov 14 14:16:25 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...	7.364	3456068	19.630 ug/ml
Spiked Amount 50.000		Recovery =	39.26%
6) S 2-Fluorobiphenyl (SURR)	8.214	2270429	19.714 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	39.43%
11) S ortho-Terphenyl (SURR)	11.250	3749525	19.495 ug/ml
Spiked Amount 50.000		Recovery =	38.99%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.187	3665797	19.451 ug/ml
2) T Naphthalene (C11.7)	5.704	3806037	19.461 ug/ml
3) T 2-Methylnaphthalene (...)	6.751	3747892	19.612 ug/ml
5) T Acenaphthylene (C15.06)	8.017	3882404	20.020 ug/ml
7) T Acenaphthene (C15.5)	8.311	3740654	19.448 ug/ml
8) T Fluorene (C16.55)	9.090	3756678	19.581 ug/ml
9) T Phenanthrene (C19.36)	10.477	3562885	19.437 ug/ml
10) T Anthracene (C19.43)	10.553	3563171	19.027 ug/ml
12) T Fluoranthene (C21.85)	12.282	3573927	19.517 ug/ml
13) T Pyrene (C20.8)	12.575	3507964	19.403 ug/ml
14) T Benzo[a]anthracene (C...	14.445	3271243	19.886 ug/ml
15) T Chrysene (C27.41)	14.486	3405535	19.459 ug/ml
16) T benzo[b]fluoranthene ...	15.991	3111443	19.803 ug/ml
17) T Bnezo[k]fluoranthene ...	16.022	3204860	19.638 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.367	2937931	19.705 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.731	2442922	19.776 ug/ml
20) T Dibenz[a,h]anthracene...	17.771	3068383	19.567 ug/ml
21) T Benzo[g,h,i]perylene ...	17.981	2827163	19.814 ug/ml

(f)=RT Delta > 1/2 Window

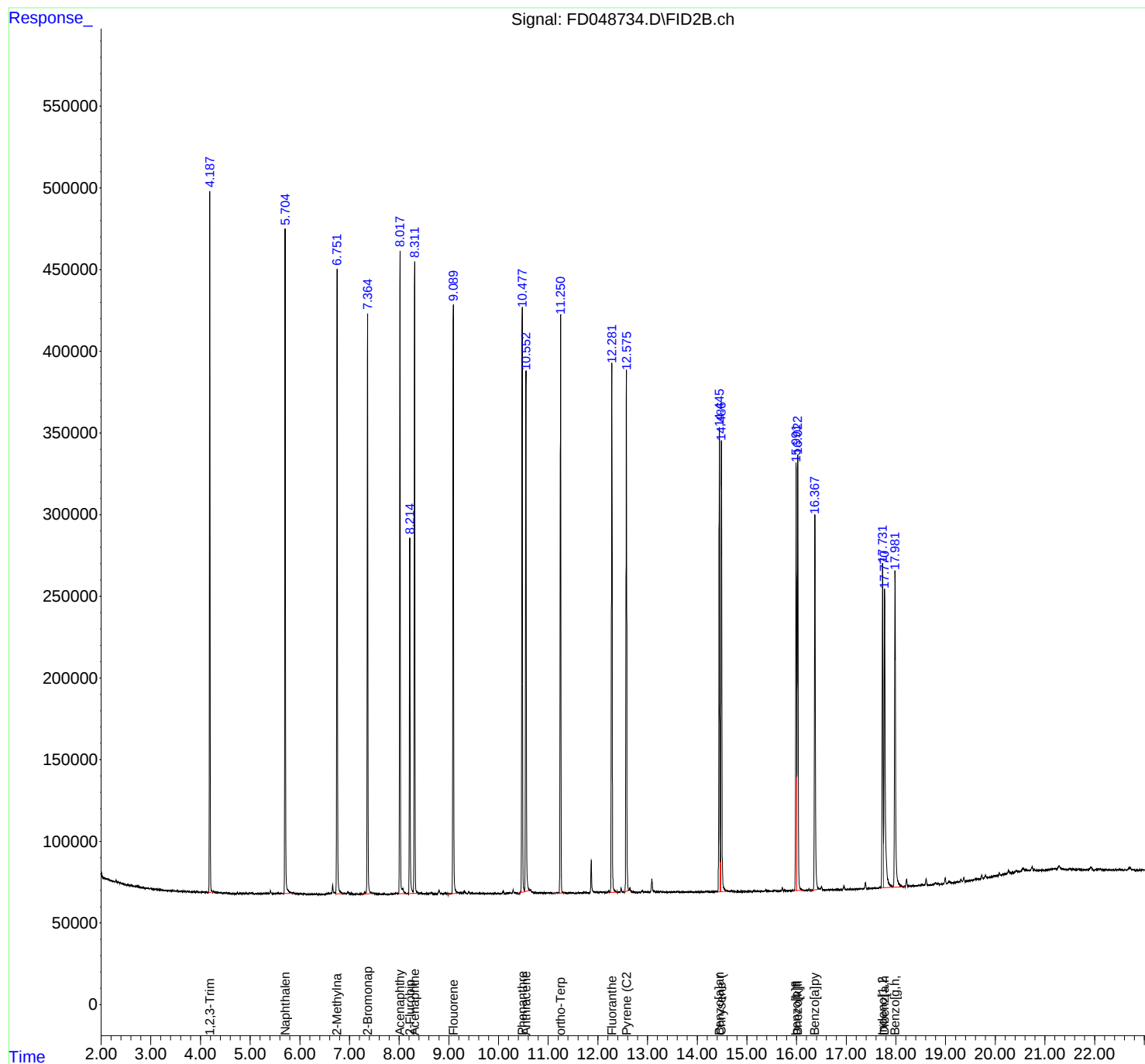
(m)=manual int.

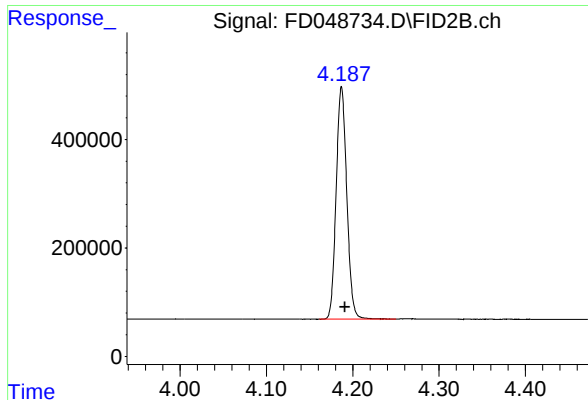
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD111424AR\
Data File : FD048734.D
Signal(s) : FID2B.ch
Acq On : 14 Nov 2024 13:49
Operator : YP/AJ
Sample : 20 PPM AROMATIC HC STD ICV
Misc :
ALS Vial : 66 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD ICV

Integration File: autoint1.e
Quant Time: Nov 14 16:39:35 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 111424.M
Quant Title : GC Extractables
QLast Update : Thu Nov 14 14:16:25 2024
Response via : Initial Calibration
Integrator: ChemStation

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

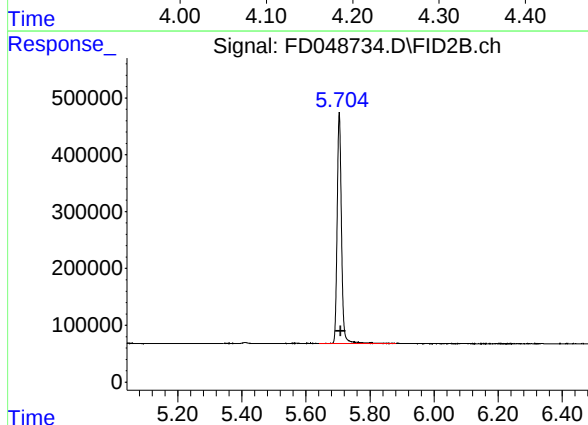




#1 1,2,3-Trimethylbenzene (C10.1)

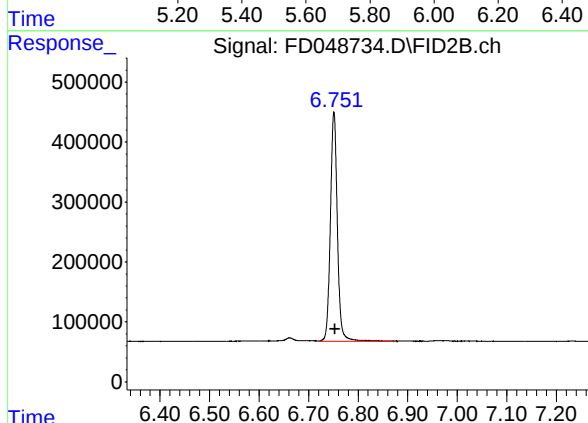
R.T.: 4.187 min
Delta R.T.: -0.004 min
Response: 3665797
Conc: 19.45 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD ICV



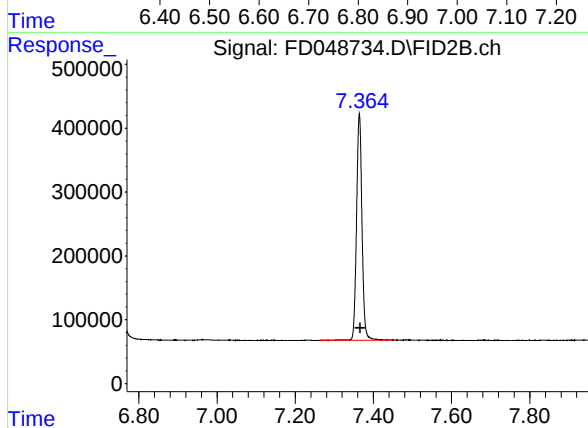
#2 Naphthalene (C11.7)

R.T.: 5.704 min
Delta R.T.: -0.003 min
Response: 3806037
Conc: 19.46 ug/ml



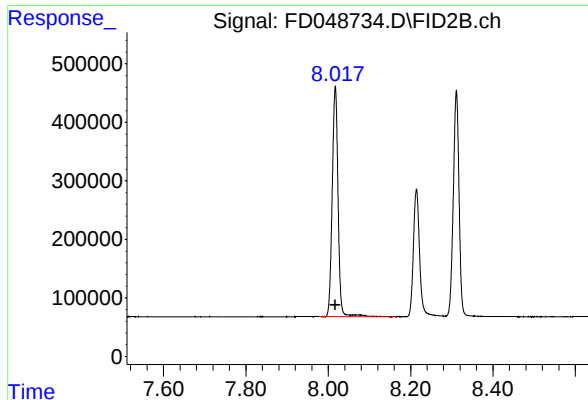
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.751 min
Delta R.T.: -0.002 min
Response: 3747892
Conc: 19.61 ug/ml



#4 2-Bromonaphthalene (SURR)

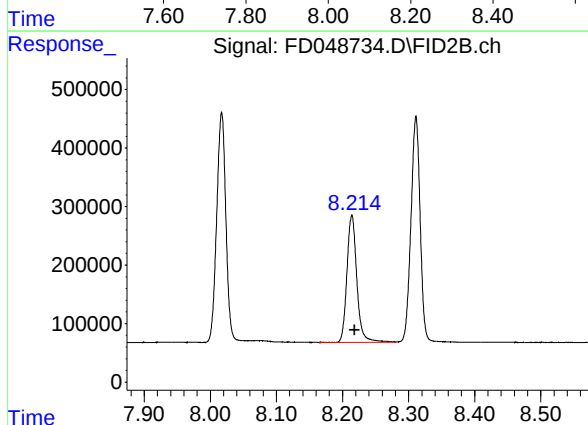
R.T.: 7.364 min
Delta R.T.: -0.002 min
Response: 3456068
Conc: 19.63 ug/ml



#5 Acenaphthylene (C15.06)

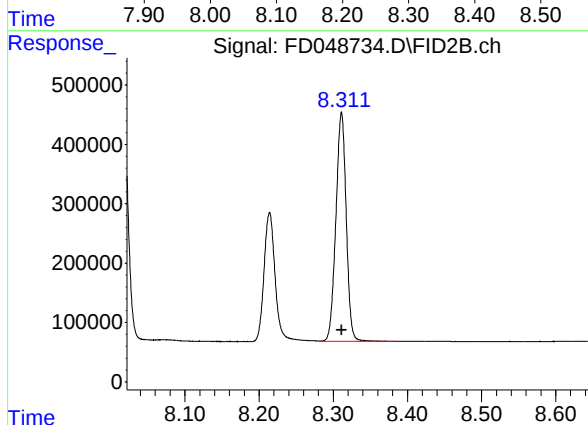
R.T.: 8.017 min
Delta R.T.: 0.000 min
Response: 3882404
Conc: 20.02 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD ICV



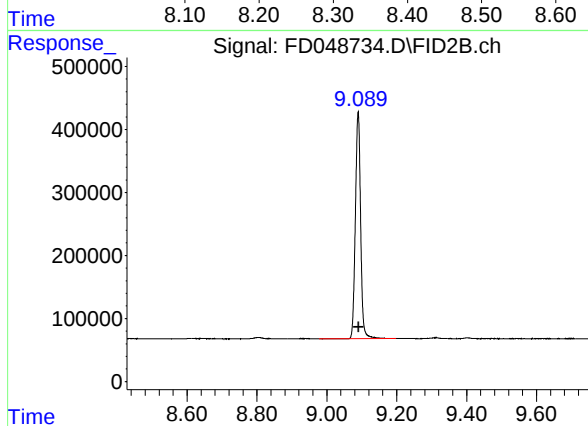
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.214 min
Delta R.T.: -0.004 min
Response: 2270429
Conc: 19.71 ug/ml



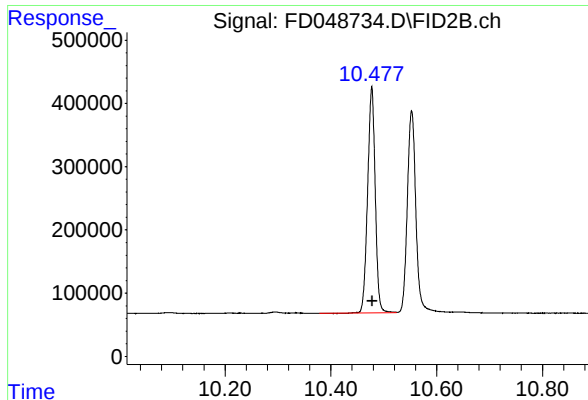
#7 Acenaphthene (C15.5)

R.T.: 8.311 min
Delta R.T.: 0.000 min
Response: 3740654
Conc: 19.45 ug/ml



#8 Fluorene (C16.55)

R.T.: 9.090 min
Delta R.T.: -0.002 min
Response: 3756678
Conc: 19.58 ug/ml



#9 Phenanthrene (C19.36)

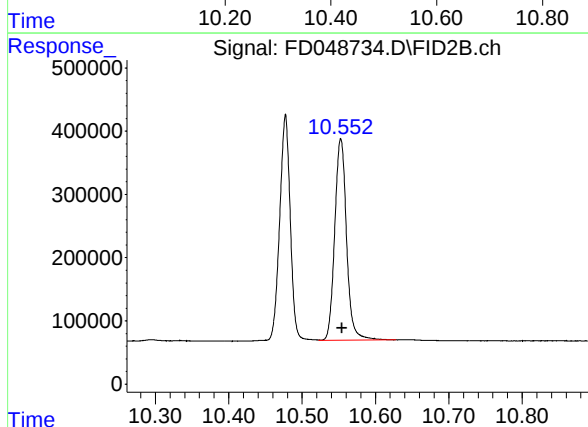
R.T.: 10.477 min
Delta R.T.: 0.000 min
Response: 3562885
Conc: 19.44 ug/ml

Instrument :

FID_D

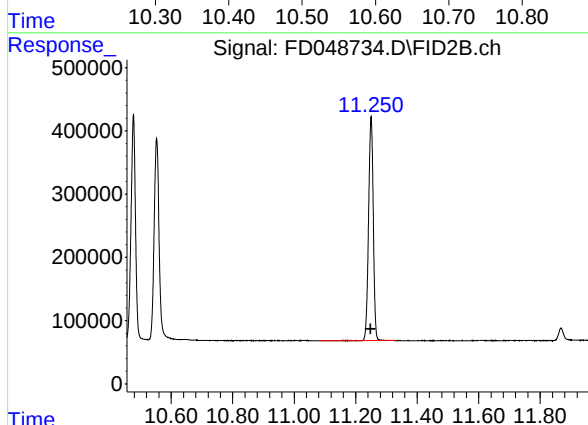
ClientSampleId :

20 PPM AROMATIC HC STD ICV



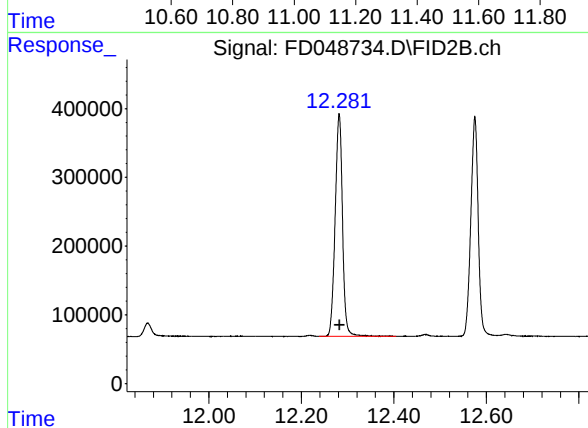
#10 Anthracene (C19.43)

R.T.: 10.553 min
Delta R.T.: -0.002 min
Response: 3563171
Conc: 19.03 ug/ml



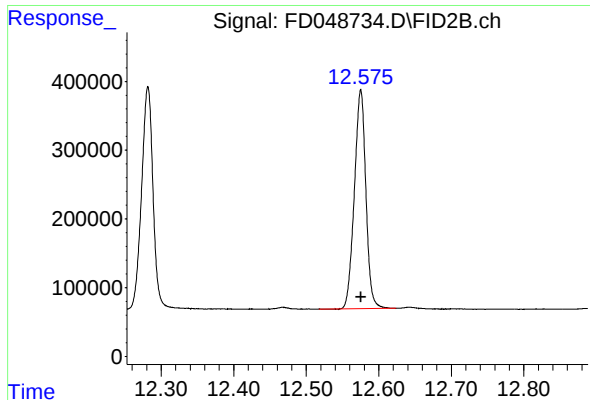
#11 ortho-Terphenyl (SURR)

R.T.: 11.250 min
Delta R.T.: 0.002 min
Response: 3749525
Conc: 19.49 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.282 min
Delta R.T.: 0.000 min
Response: 3573927
Conc: 19.52 ug/ml



#13 Pyrene (C20.8)

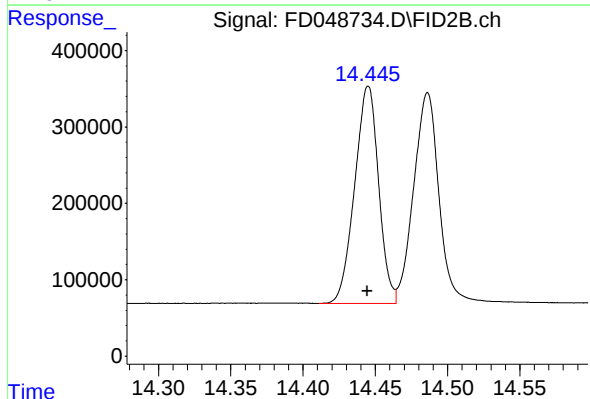
R.T.: 12.575 min
Delta R.T.: 0.000 min
Response: 3507964
Conc: 19.40 ug/ml

Instrument :

FID_D

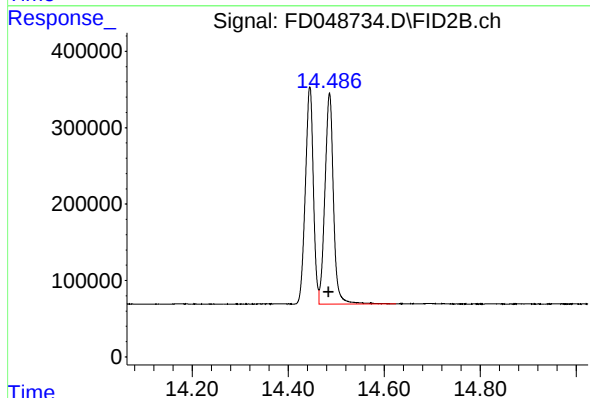
ClientSampleId :

20 PPM AROMATIC HC STD ICV



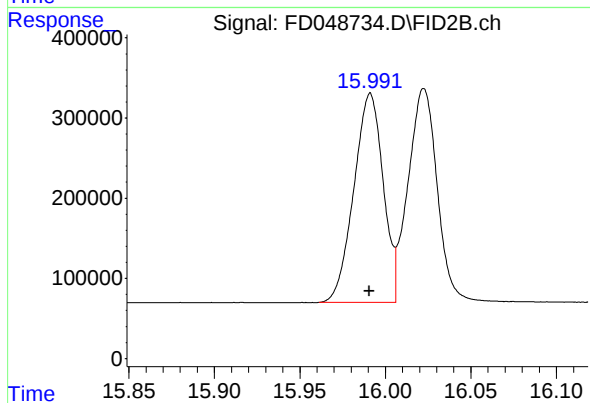
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.445 min
Delta R.T.: 0.000 min
Response: 3271243
Conc: 19.89 ug/ml



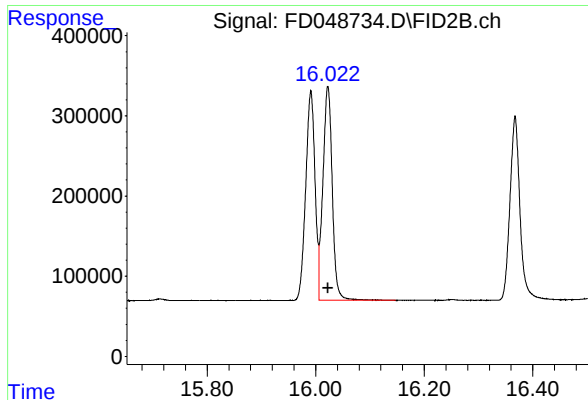
#15 Chrysene (C27.41)

R.T.: 14.486 min
Delta R.T.: 0.002 min
Response: 3405535
Conc: 19.46 ug/ml



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

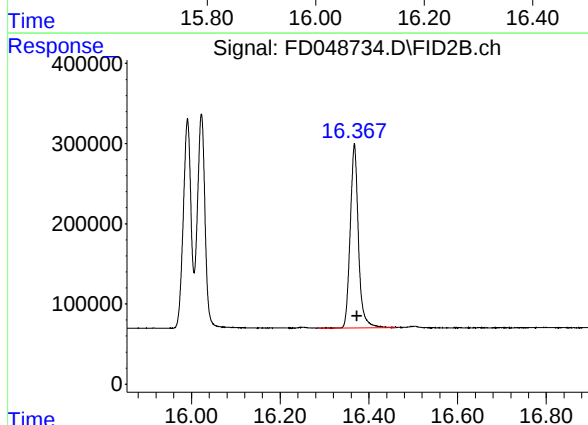
R.T.: 15.991 min
Delta R.T.: 0.000 min
Response: 3111443
Conc: 19.80 ug/ml



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

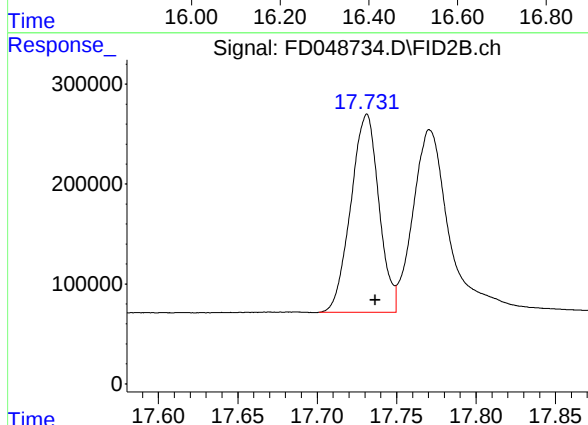
R.T.: 16.022 min
Delta R.T.: 0.000 min
Response: 3204860
Conc: 19.64 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD ICV



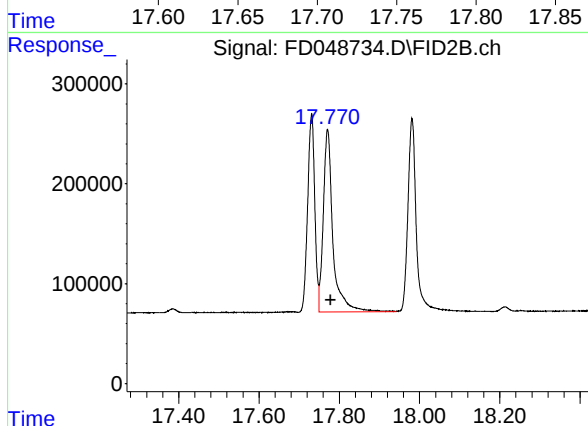
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.367 min
Delta R.T.: -0.005 min
Response: 2937931
Conc: 19.70 ug/ml



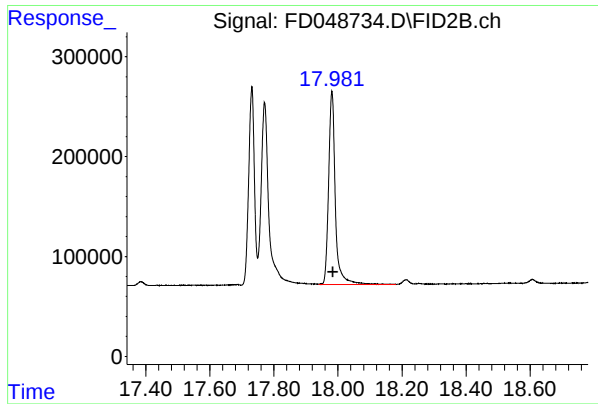
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.731 min
Delta R.T.: -0.006 min
Response: 2442922
Conc: 19.78 ug/ml



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

R.T.: 17.771 min
Delta R.T.: -0.008 min
Response: 3068383
Conc: 19.57 ug/ml



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

R.T.: 17.981 min
Delta R.T.: -0.003 min
Response: 2827163
Conc: 19.81 ug/ml

Instrument :

FID_D

ClientSampleId :

20 PPM AROMATIC HC STD ICV

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD111424AR\
 Data File : FD048734.D
 Signal(s) : FID2B.ch
 Acq On : 14 Nov 2024 13:49
 Sample : 20 PPM AROMATIC HC STD ICV
 Misc :
 ALS Vial : 66 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 111424.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	4.161	4.250	BV	425503	3665797	94.88%	5.186%
2	5.704	5.588	5.968	VV	405009	3863463	100.00%	5.466%
3	6.751	6.721	6.876	VV	381698	3750038	97.06%	5.305%
4	7.364	7.251	7.464	PV	354635	3457496	89.49%	4.891%
5	8.017	7.991	8.058	BV	394327	3815860	98.77%	5.398%
6	8.214	8.178	8.281	PV	217413	2274269	58.87%	3.217%
7	8.311	8.281	8.414	VV	385706	3749263	97.04%	5.304%
8	9.090	9.031	9.198	BV	361595	3781745	97.88%	5.350%
9	10.477	10.384	10.523	BV	357565	3565194	92.28%	5.044%
10	10.553	10.523	10.628	VV	318873	3563635	92.24%	5.042%
11	11.250	11.214	11.361	VV	354612	3772014	97.63%	5.336%
12	12.282	12.238	12.404	PV	323586	3579166	92.64%	5.064%
13	12.575	12.534	12.624	PV	317906	3544162	91.74%	5.014%
14	14.445	14.409	14.464	PV	285007	3271223	84.67%	4.628%
15	14.486	14.464	14.623	VV	274350	3405868	88.16%	4.818%
16	15.991	15.961	16.006	BV	260711	3111443	80.54%	4.402%
17	16.022	16.006	16.148	VB	266747	3204860	82.95%	4.534%
18	16.367	16.294	16.461	BV	229745	2970535	76.89%	4.203%
19	17.731	17.701	17.750	BV	198575	2442922	63.23%	3.456%
20	17.771	17.750	17.940	VV	182974	3068171	79.42%	4.341%
21	17.981	17.940	18.181	VV	193617	2827375	73.18%	4.000%
Sum of corrected areas:							70684497	

Aromatic EPH 111424.M Fri Nov 15 02:40:45 2024