

Initial Calibration Report for SequenceID : FD012425AR

AreaCount

Parameter Range	FD048945.D	FD048946.D	FD048947.D	FD048948.D	FD048949.D	
Aromatic C10-C12	30613634.000	15394701.000	6122051.000	3223218.000	1549258.000	
Aromatic C12-C16	46428964.000	23585820.000	9503278.000	5073670.000	2573200.000	
Aromatic C16-C21	61020495.000	30945609.000	12177178.000	6382159.000	3083864.000	
Aromatic C21-C36	126755619.000	64546927.000	25163411.000	13252912.000	6353375.000	
Aromatic EPH	264818712.000	134473057.000	52965918.000	27931959.000	13559697.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aromatic C10-C12	155230.631	2.193				
Aromatic C12-C16	162211.7959996	4.672				
Aromatic C16-C21	154648.2365	1.902				
Aromatic C21-C36	142502.9217772	2.084				
Aromatic EPH	149900.8828886	2.214				

Concentration

Parameter Range	FD048945.D	FD048946.D	FD048947.D	FD048948.D	FD048949.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	FD048945.D	FD048946.D	FD048947.D	FD048948.D	FD048949.D	
Aromatic C10-C12	153068.170000	153947.010000	153051.275000	161160.900000	154925.800000	
Aromatic C12-C16	154763.213333	157238.800000	158387.966666	169122.333333	171546.666666	
Aromatic C16-C21	152551.237500	154728.045000	152214.725000	159553.975000	154193.200000	
Aromatic C21-C36	140839.576666	143437.615555	139796.727777	147254.577777	141186.111111	
Aromatic EPH	147121.506666	149414.507777	147127.550000	155177.550000	150663.300000	

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD012425AR\
 Data File : FD048945.D
 Signal(s) : FID2B.ch
 Acq On : 24 Jan 2025 08:47
 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: Jan 25 03:30:53 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 012425.M
 Quant Title : GC Extractables
 QLast Update : Sat Jan 25 03:28:54 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.361	13922522	99.159 ug/ml
Spiked Amount 50.000		Recovery =	198.32%
6) S 2-Fluorobiphenyl (SURR)	8.212	9285844	106.723 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	213.45%#
11) S ortho-Terphenyl (SURR)	11.248	15536261	97.044 ug/ml
Spiked Amount 50.000		Recovery =	194.09%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.183	14992132	99.140 ug/ml
2) T Naphthalene (C11.7)	5.701	15621502	100.862 ug/ml
3) T 2-Methylnaphthalene (...)	6.749	15294014	99.536 ug/ml
5) T Acenaphthylene (C15.06)	8.016	15709296	98.092 ug/ml
7) T Acenaphthene (C15.5)	8.312	15425654	95.597 ug/ml
8) T Fluorene (C16.55)	9.090	15561239	100.161 ug/ml
9) T Phenanthrene (C19.36)	10.478	15143368	100.608 ug/ml
10) T Anthracene (C19.43)	10.554	15070696	99.531 ug/ml
12) T Fluoranthene (C21.85)	12.284	15255755	99.511 ug/ml
13) T Pyrene (C20.8)	12.578	15245192	100.588 ug/ml
14) T Benzo[a]anthracene (C...	14.448	14536834	108.005 ug/ml
15) T Chrysene (C27.41)	14.493	14824620	93.785 ug/ml
16) T benzo[b]fluoranthene ...	15.998	14473755	103.784 ug/ml
17) T Bnezo[k]fluoranthene ...	15.998	14473755	94.453 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.376	13621709	100.096 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.744	12714636	128.017 ug/ml
20) T Dibenz[a,h]anthracene...	17.781	13210762	91.042 ug/ml
21) T Benzo[g,h,i]perylene ...	17.999	13643793	98.165 ug/ml

(f)=RT Delta > 1/2 Window

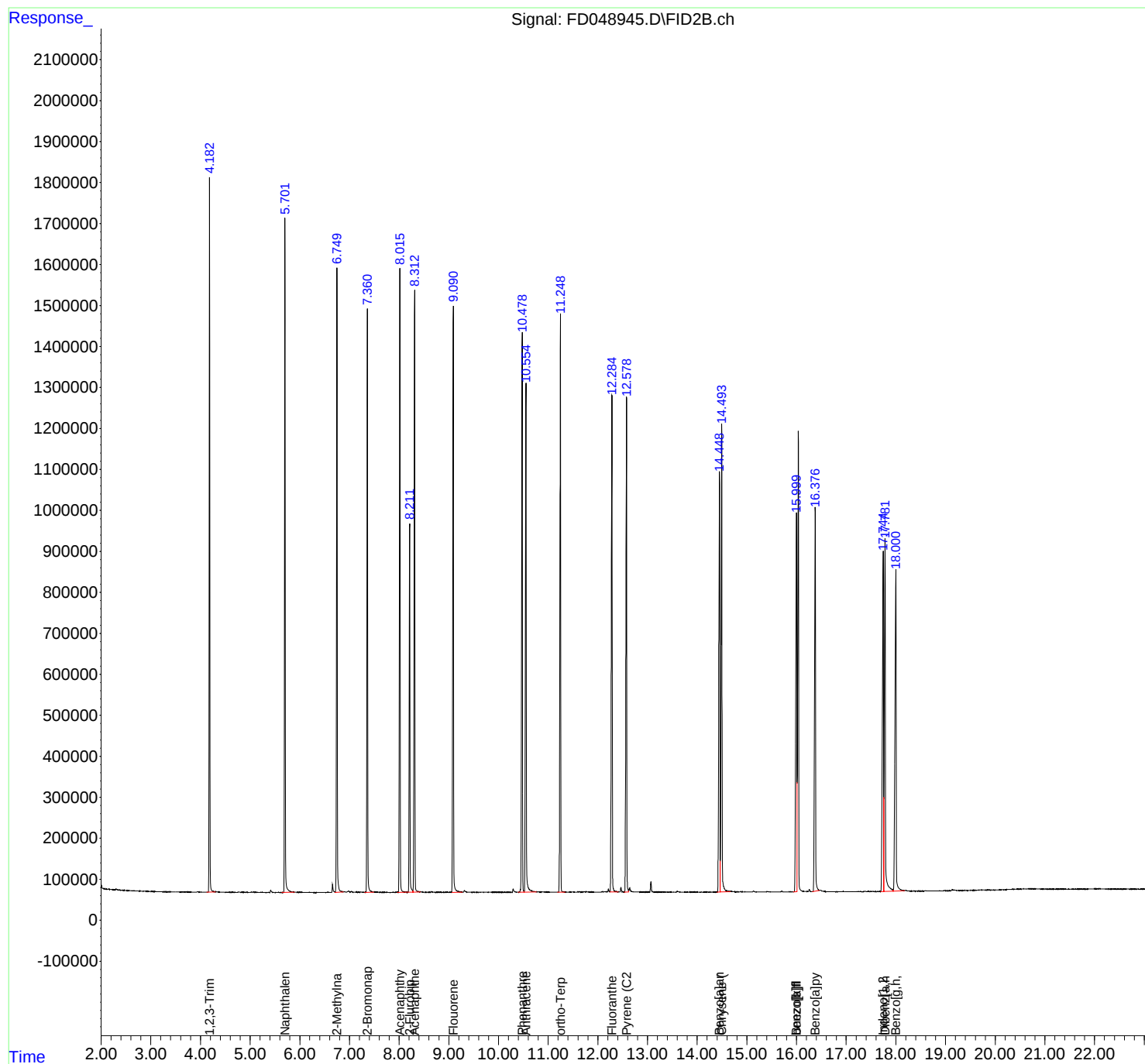
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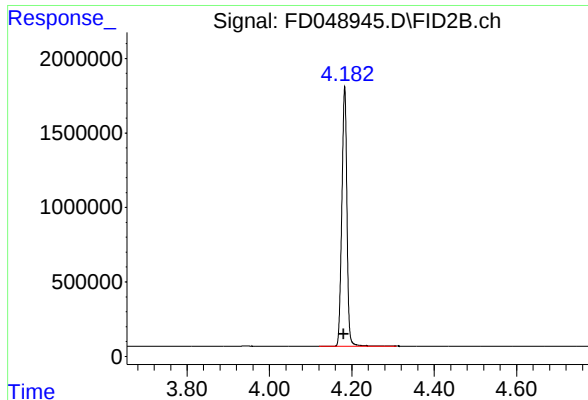
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD012425AR\
Data File : FD048945.D
Signal(s) : FID2B.ch
Acq On : 24 Jan 2025 08:47
Operator : YP/AJ
Sample : 100 PPM AROMATIC HC STD1
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
100 PPM AROMATIC HC STD1

Integration File: autoint1.e
Quant Time: Jan 25 03:30:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 012425.M
Quant Title : GC Extractables
QLast Update : Sat Jan 25 03:28:54 2025
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)

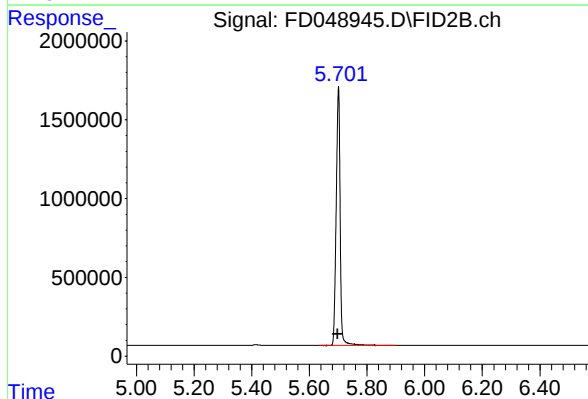
R.T.: 4.183 min
Delta R.T.: 0.003 min
Response: 14992132
Conc: 99.14 ug/ml

Instrument :

FID_D

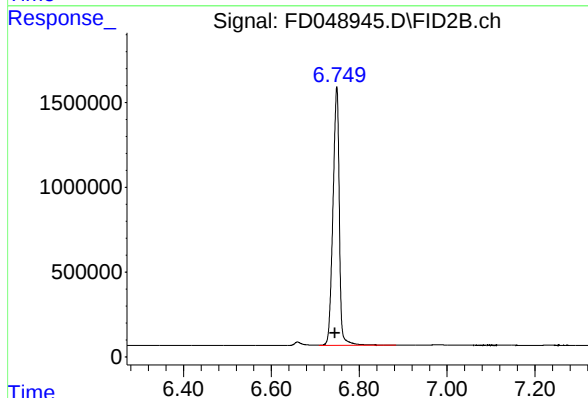
ClientSampleId :

100 PPM AROMATIC HC STD1



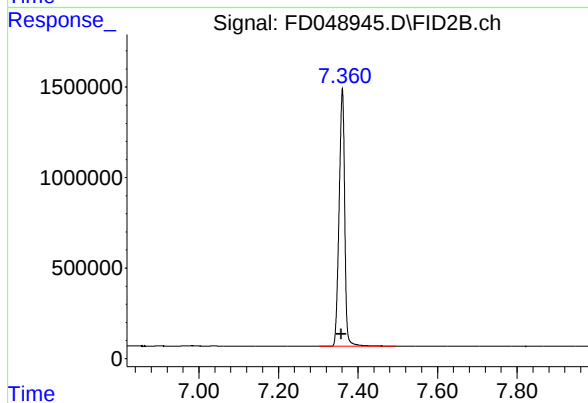
#2 Naphthalene (C11.7)

R.T.: 5.701 min
Delta R.T.: 0.003 min
Response: 15621502
Conc: 100.86 ug/ml



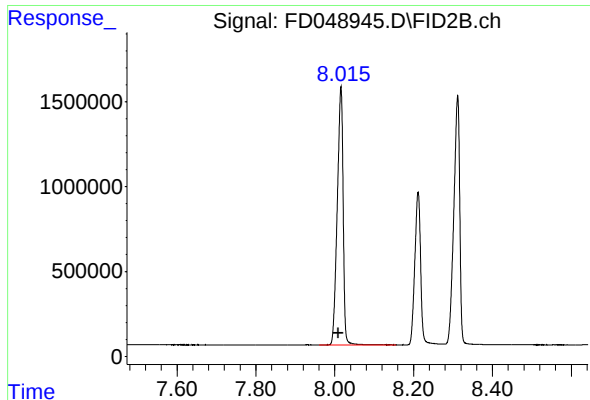
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.749 min
Delta R.T.: 0.004 min
Response: 15294014
Conc: 99.54 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.361 min
Delta R.T.: 0.003 min
Response: 13922522
Conc: 99.16 ug/ml



#5 Acenaphthylene (C15.06)

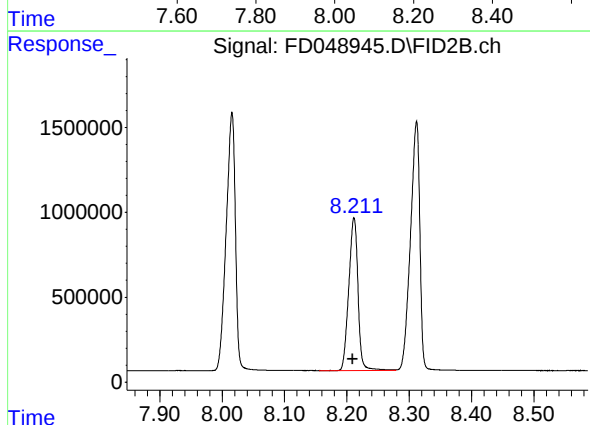
R.T.: 8.016 min
Delta R.T.: 0.006 min
Response: 15709296
Conc: 98.09 ug/ml

Instrument :

FID_D

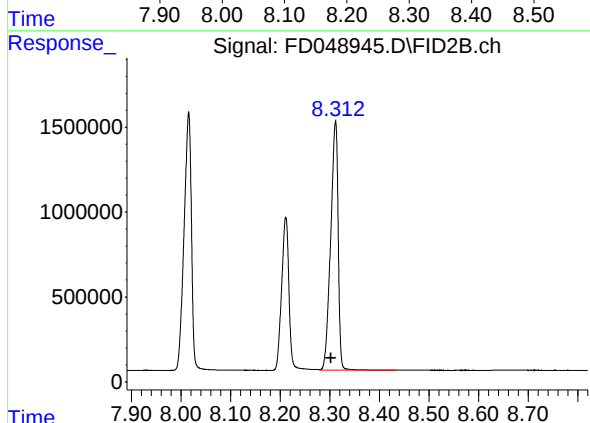
ClientSampleId :

100 PPM AROMATIC HC STD1



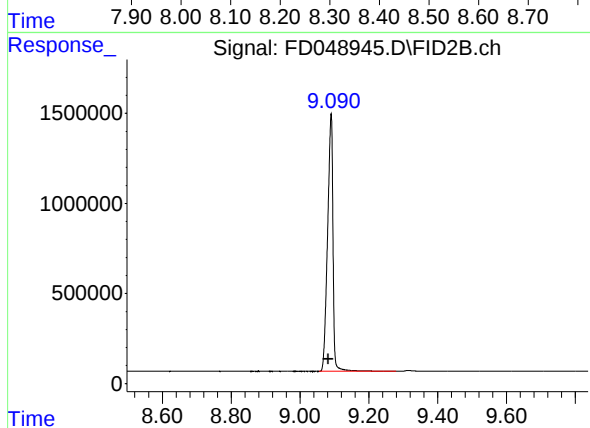
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.212 min
Delta R.T.: 0.002 min
Response: 9285844
Conc: 106.72 ug/ml



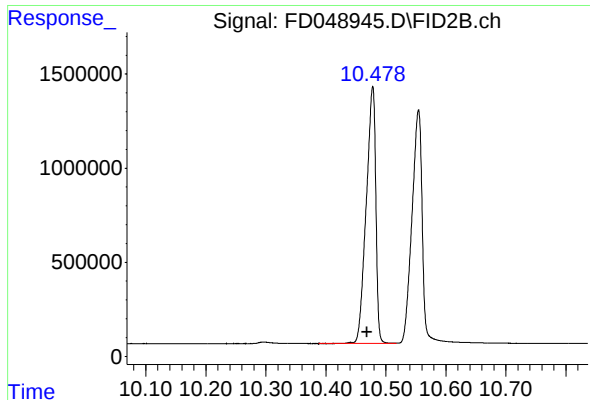
#7 Acenaphthene (C15.5)

R.T.: 8.312 min
Delta R.T.: 0.009 min
Response: 15425654
Conc: 95.60 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.090 min
Delta R.T.: 0.008 min
Response: 15561239
Conc: 100.16 ug/ml



#9 Phenanthrene (C19.36)

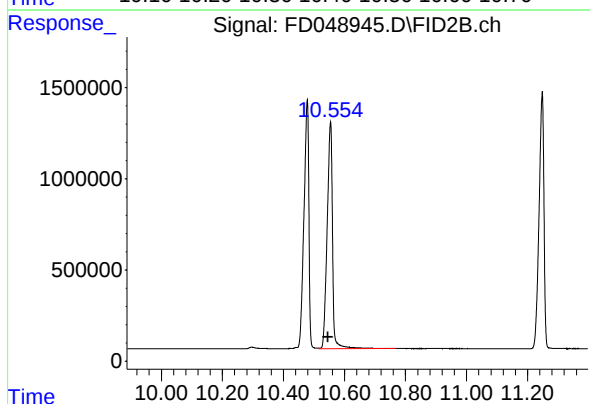
R.T.: 10.478 min
Delta R.T.: 0.009 min
Response: 15143368
Conc: 100.61 ug/ml

Instrument :

FID_D

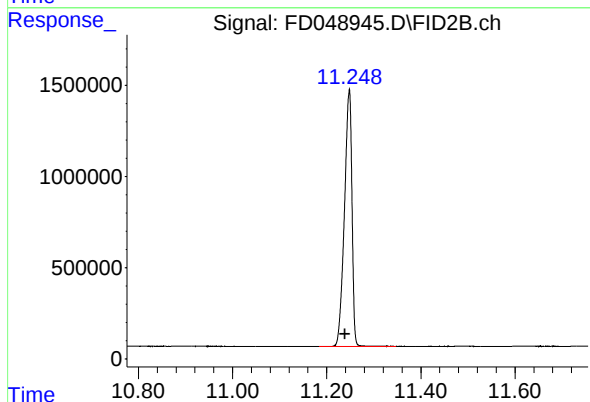
ClientSampleId :

100 PPM AROMATIC HC STD1



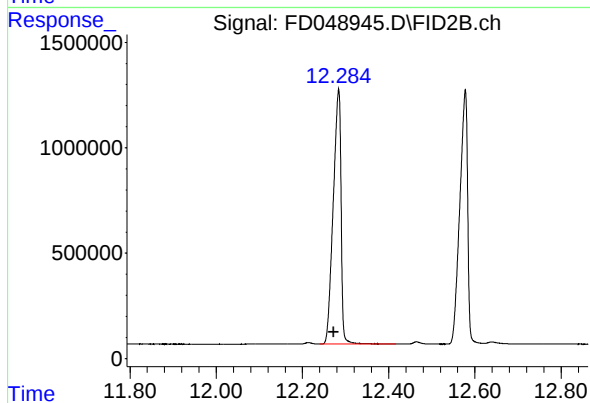
#10 Anthracene (C19.43)

R.T.: 10.554 min
Delta R.T.: 0.008 min
Response: 15070696
Conc: 99.53 ug/ml



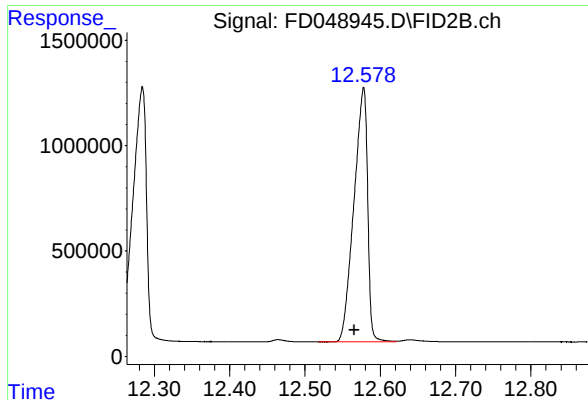
#11 ortho-Terphenyl (SURR)

R.T.: 11.248 min
Delta R.T.: 0.009 min
Response: 15536261
Conc: 97.04 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.284 min
Delta R.T.: 0.011 min
Response: 15255755
Conc: 99.51 ug/ml



#13 Pyrene (C20.8)

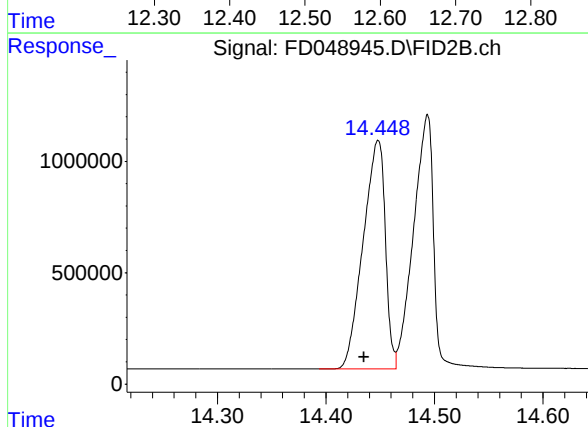
R.T.: 12.578 min
Delta R.T.: 0.012 min
Response: 15245192
Conc: 100.59 ug/ml

Instrument :

FID_D

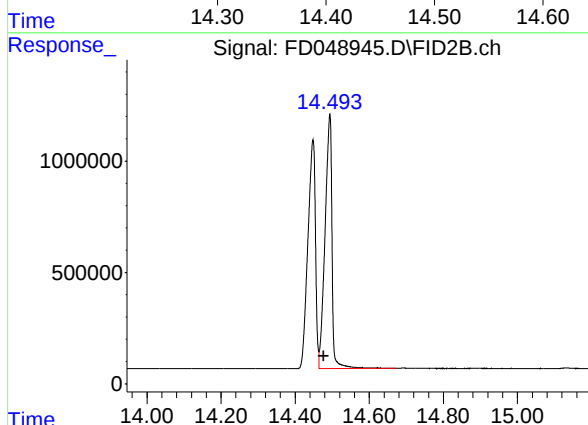
ClientSampleId :

100 PPM AROMATIC HC STD1



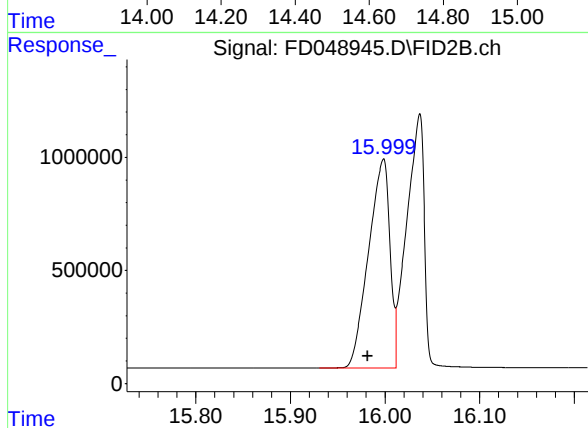
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.448 min
Delta R.T.: 0.013 min
Response: 14536834
Conc: 108.00 ug/ml



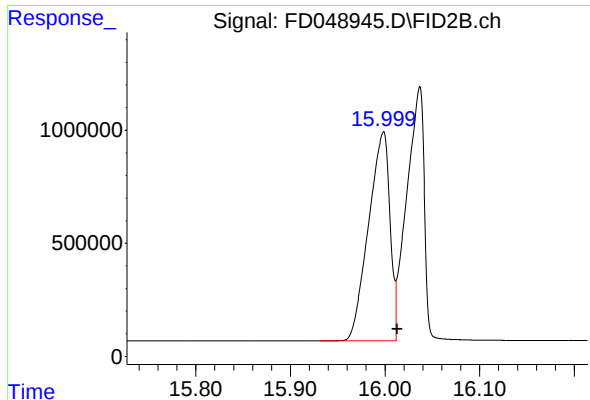
#15 Chrysene (C27.41)

R.T.: 14.493 min
Delta R.T.: 0.017 min
Response: 14824620
Conc: 93.78 ug/ml



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

R.T.: 15.998 min
Delta R.T.: 0.017 min
Response: 14473755
Conc: 103.78 ug/ml



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

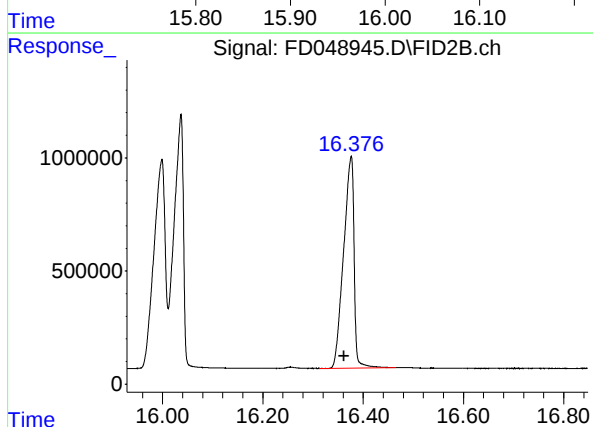
R.T.: 15.998 min
Delta R.T.: -0.015 min
Response: 14473755
Conc: 94.45 ug/ml

Instrument :

FID_D

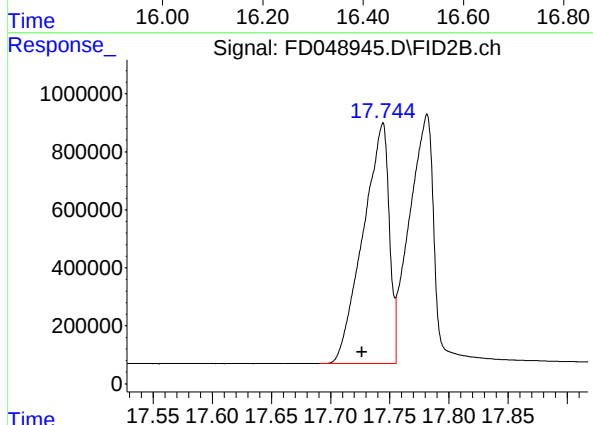
ClientSampleId :

100 PPM AROMATIC HC STD1



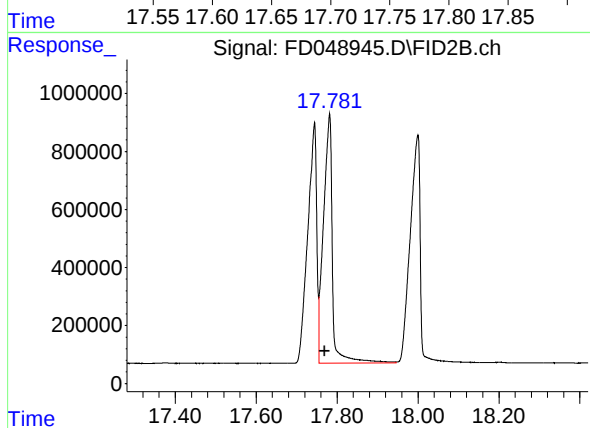
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.376 min
Delta R.T.: 0.014 min
Response: 13621709
Conc: 100.10 ug/ml



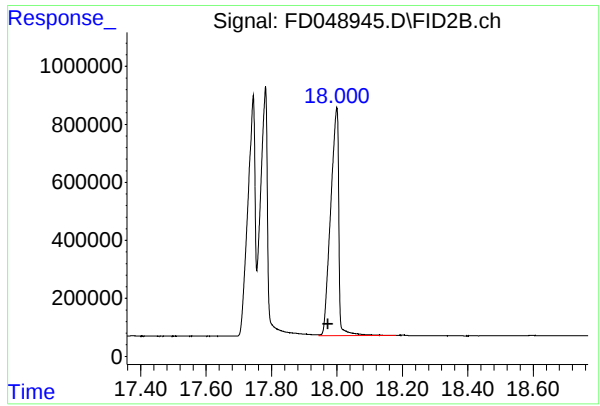
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.744 min
Delta R.T.: 0.017 min
Response: 12714636
Conc: 128.02 ug/ml



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

R.T.: 17.781 min
Delta R.T.: 0.012 min
Response: 13210762
Conc: 91.04 ug/ml



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

R.T.: 17.999 min

Delta R.T.: 0.027 min

Response: 13643793

Conc: 98.16 ug/ml

Instrument :

FID_D

ClientSampleId :

100 PPM AROMATIC HC STD1

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD012425AR\
Data File : FD048945.D
Signal(s) : FID2B.ch
Acq On : 24 Jan 2025 08:47
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 012425.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	4.183	4.120	4.307	BB	1736777	14992132	95.43%	4.938%
2	5.701	5.634	5.900	BB	1636672	15621502	99.44%	5.145%
3	6.749	6.709	6.884	VV	1523243	15294014	97.36%	5.037%
4	7.361	7.302	7.495	BB	1420699	13922522	88.63%	4.586%
5	8.016	7.960	8.155	BB	1519038	15709296	100.00%	5.174%
6	8.212	8.155	8.279	BV	899991	9285844	59.11%	3.058%
7	8.312	8.279	8.434	VB	1470056	15425654	98.19%	5.081%
8	9.090	9.055	9.279	BV	1431998	15561239	99.06%	5.125%
9	10.478	10.389	10.517	BV	1370701	15143368	96.40%	4.988%
10	10.554	10.517	10.769	VB	1239458	15070696	95.93%	4.964%
11	11.248	11.184	11.347	BB	1417944	15536261	98.90%	5.117%
12	12.284	12.239	12.417	PB	1209317	15255755	97.11%	5.025%
13	12.578	12.519	12.621	BV	1203145	15245192	97.05%	5.021%
14	14.448	14.394	14.464	BV	1026109	14536834	92.54%	4.788%
15	14.493	14.464	14.672	VV	1143610	14824620	94.37%	4.883%
16	15.998	15.930	16.012	BV	924869	14473755	92.13%	4.767%
17	16.036	16.012	16.170	VB	1127650	14526725	92.47%	4.785%
18	16.376	16.312	16.465	BV	933031	13621709	86.71%	4.486%
19	17.744	17.690	17.755	BV	825909	12714636	80.94%	4.188%
20	17.781	17.755	17.945	VV	862836	13210762	84.10%	4.351%
21	17.999	17.945	18.180	VV	783684	13643793	86.85%	4.494%
Sum of corrected areas:						303616305		

Aromatic EPH 012425.M Sat Jan 25 03:46:58 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD012425AR\
 Data File : FD048946.D
 Signal(s) : FID2B.ch
 Acq On : 24 Jan 2025 09:23
 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: Jan 25 03:31:19 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 012425.M
 Quant Title : GC Extractables
 QLast Update : Sat Jan 25 03:28:54 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.357	7023342	50.022 ug/ml
Spiked Amount 50.000		Recovery =	100.04%
6) S 2-Fluorobiphenyl (SURR)	8.208	4633464	53.253 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	106.51%
11) S ortho-Terphenyl (SURR)	11.242	7916217	49.447 ug/ml
Spiked Amount 50.000		Recovery =	98.89%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.180	7560849	49.998 ug/ml
2) T Naphthalene (C11.7)	5.698	7833852	50.580 ug/ml
3) T 2-Methylnaphthalene (...)	6.745	7715439	50.213 ug/ml
5) T Acenaphthylene (C15.06)	8.011	7975025	49.797 ug/ml
7) T Acenaphthene (C15.5)	8.305	7895356	48.930 ug/ml
8) T Fluorene (C16.55)	9.083	7857497	50.576 ug/ml
9) T Phenanthrene (C19.36)	10.471	7661334	50.900 ug/ml
10) T Anthracene (C19.43)	10.546	7663855	50.614 ug/ml
12) T Fluoranthene (C21.85)	12.275	7770594	50.686 ug/ml
13) T Pyrene (C20.8)	12.568	7762923	51.220 ug/ml
14) T Benzo[a]anthracene (C...	14.441	7288947	54.155 ug/ml
15) T Chrysene (C27.41)	14.482	7652930	48.415 ug/ml
16) T benzo[b]fluoranthene ...	15.989	7300281	52.346 ug/ml
17) T Bnezo[k]fluoranthene ...	16.022	7491870	48.891 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.363	7044465	51.765 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.730	5943659	59.844 ug/ml
20) T Dibenz[a,h]anthracene...	17.766	7086685	48.838 ug/ml
21) T Benzo[g,h,i]perylene ...	17.982	6967496	50.130 ug/ml

(f)=RT Delta > 1/2 Window

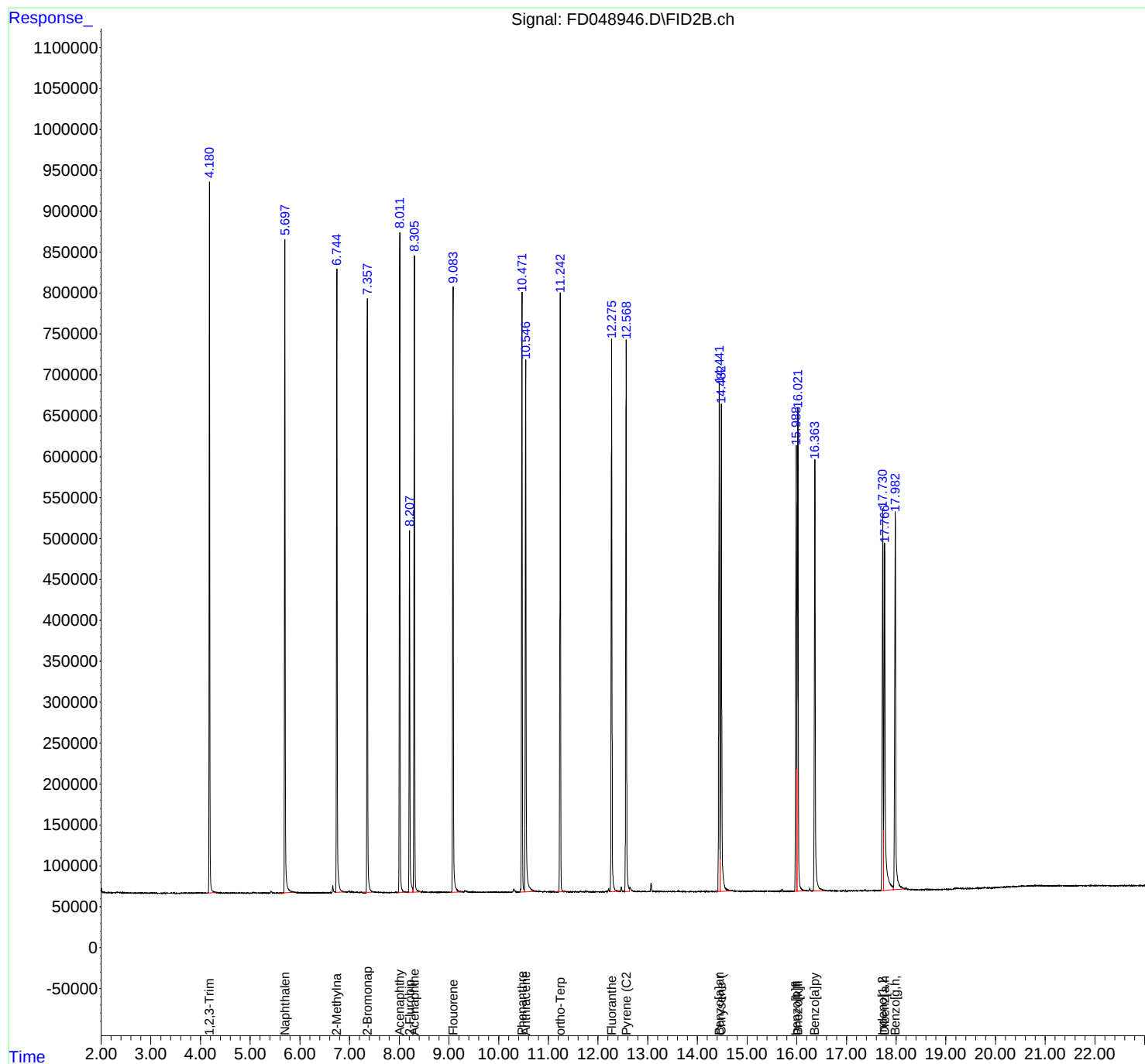
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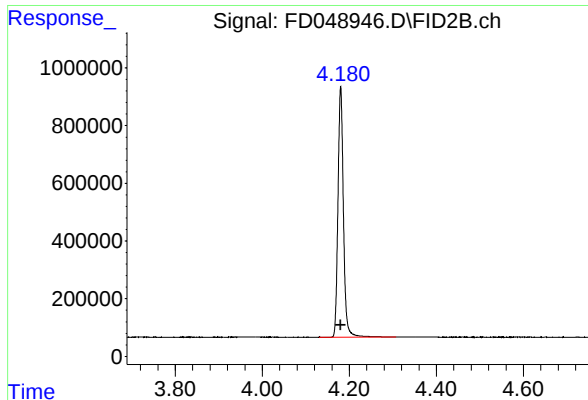
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD012425AR\
Data File : FD048946.D
Signal(s) : FID2B.ch
Acq On : 24 Jan 2025 09:23
Operator : YP/AJ
Sample : 50 PPM AROMATIC HC STD2
Misc :
ALS Vial : 62 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2

Integration File: autoint1.e
Quant Time: Jan 25 03:31:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 012425.M
Quant Title : GC Extractables
QLast Update : Sat Jan 25 03:28:54 2025
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Integrator: ChemStation

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

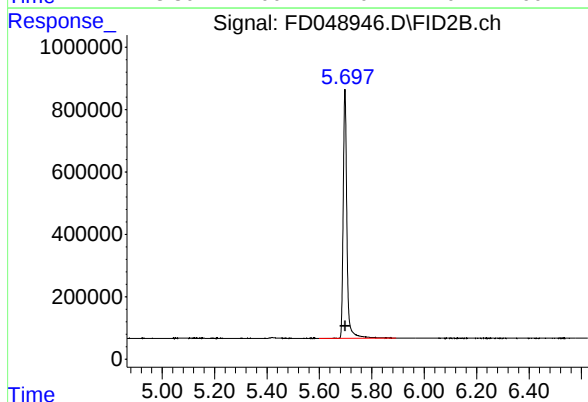




#1 1,2,3-Trimethylbenzene (C10.1)

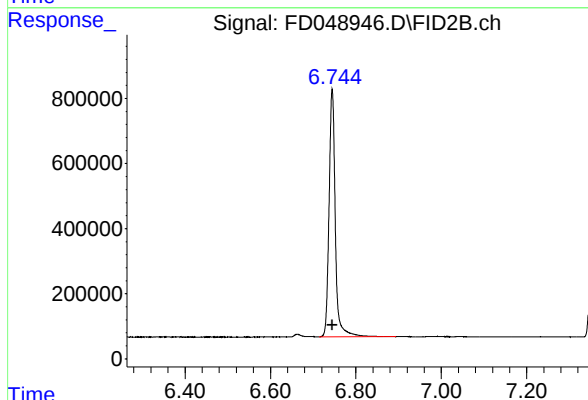
R.T.: 4.180 min
Delta R.T.: 0.000 min
Response: 7560849
Conc: 50.00 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2



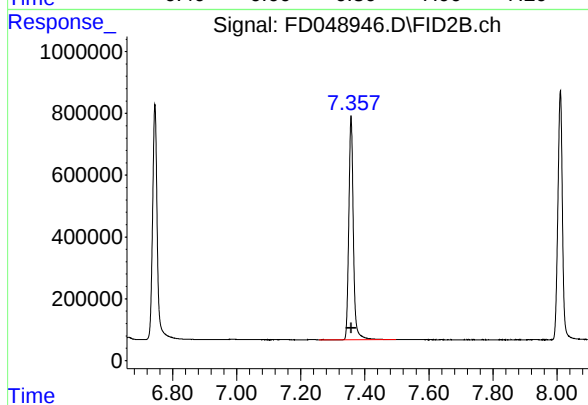
#2 Naphthalene (C11.7)

R.T.: 5.698 min
Delta R.T.: 0.000 min
Response: 7833852
Conc: 50.58 ug/ml



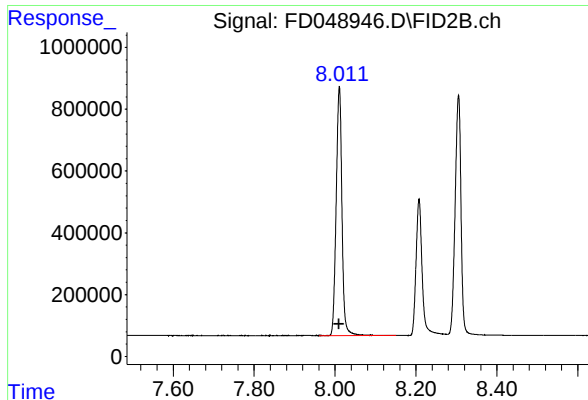
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.745 min
Delta R.T.: 0.000 min
Response: 7715439
Conc: 50.21 ug/ml



#4 2-Bromonaphthalene (SURR)

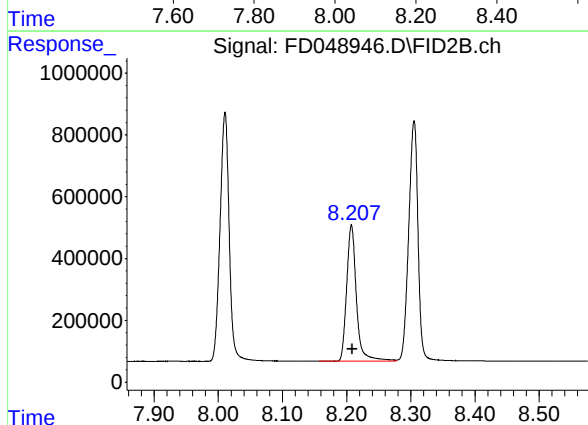
R.T.: 7.357 min
Delta R.T.: 0.000 min
Response: 7023342
Conc: 50.02 ug/ml



#5 Acenaphthylene (C15.06)

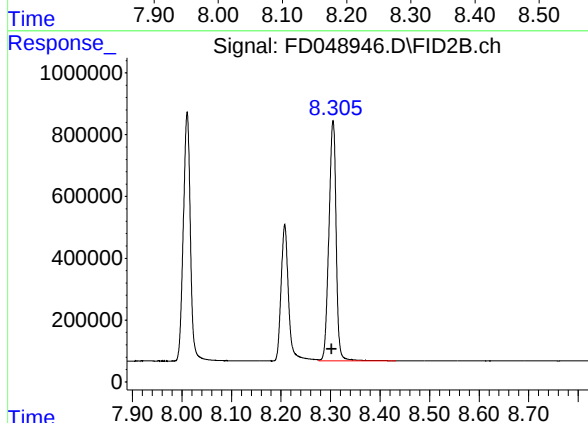
R.T.: 8.011 min
Delta R.T.: 0.001 min
Response: 7975025
Conc: 49.80 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2



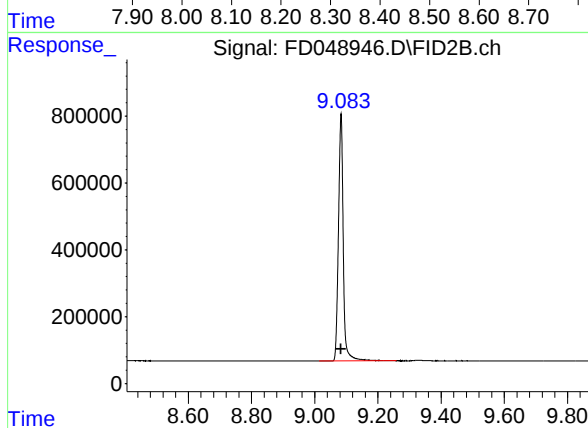
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.208 min
Delta R.T.: -0.002 min
Response: 4633464
Conc: 53.25 ug/ml



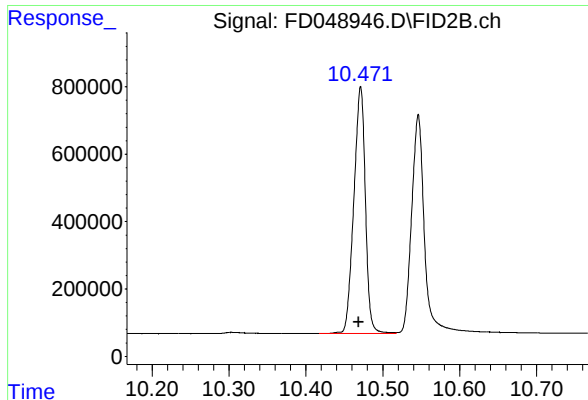
#7 Acenaphthene (C15.5)

R.T.: 8.305 min
Delta R.T.: 0.003 min
Response: 7895356
Conc: 48.93 ug/ml



#8 Flouorene (C16.55)

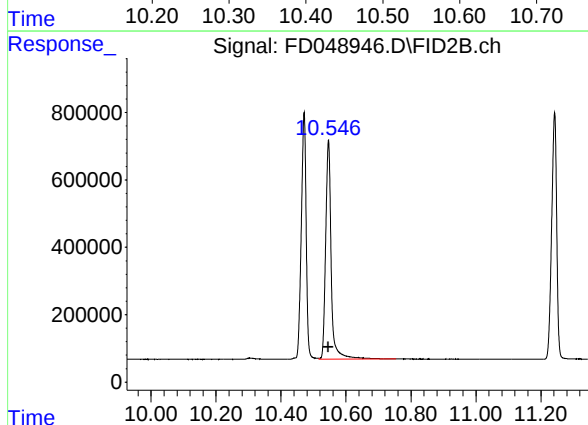
R.T.: 9.083 min
Delta R.T.: 0.000 min
Response: 7857497
Conc: 50.58 ug/ml



#9 Phenanthrene (C19.36)

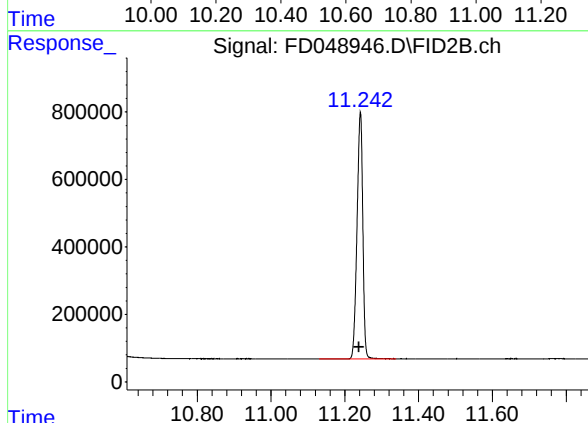
R.T.: 10.471 min
Delta R.T.: 0.003 min
Response: 7661334
Conc: 50.90 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2



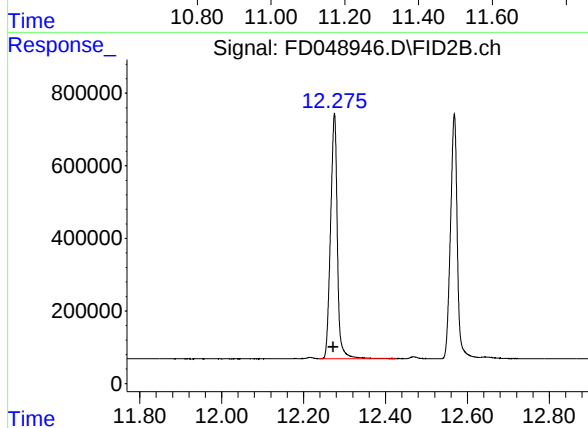
#10 Anthracene (C19.43)

R.T.: 10.546 min
Delta R.T.: 0.000 min
Response: 7663855
Conc: 50.61 ug/ml



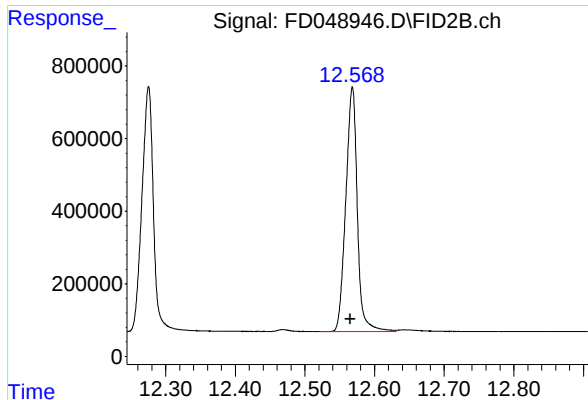
#11 ortho-Terphenyl (SURR)

R.T.: 11.242 min
Delta R.T.: 0.003 min
Response: 7916217
Conc: 49.45 ug/ml



#12 Fluoranthene (C21.85)

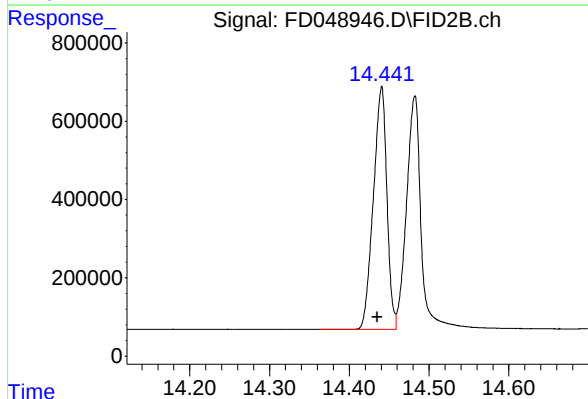
R.T.: 12.275 min
Delta R.T.: 0.002 min
Response: 7770594
Conc: 50.69 ug/ml



#13 Pyrene (C20.8)

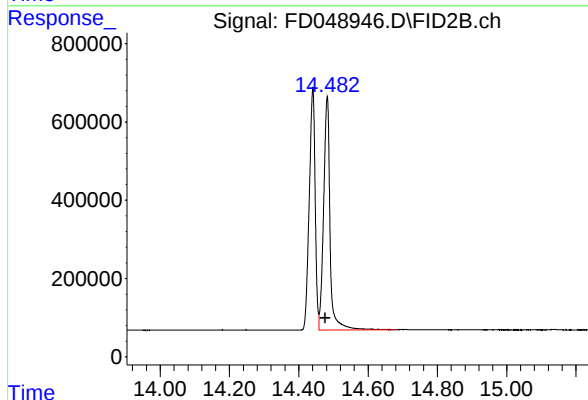
R.T.: 12.568 min
Delta R.T.: 0.003 min
Response: 7762923
Conc: 51.22 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2



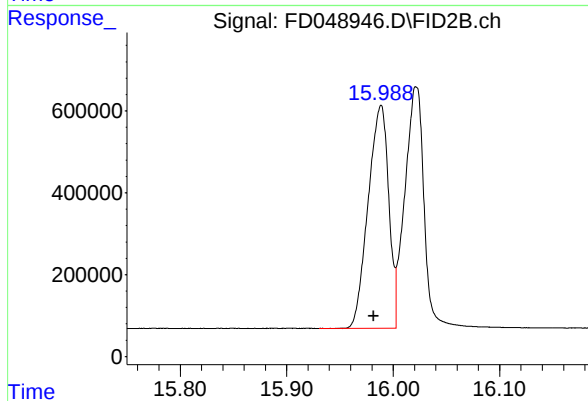
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.441 min
Delta R.T.: 0.006 min
Response: 7288947
Conc: 54.16 ug/ml



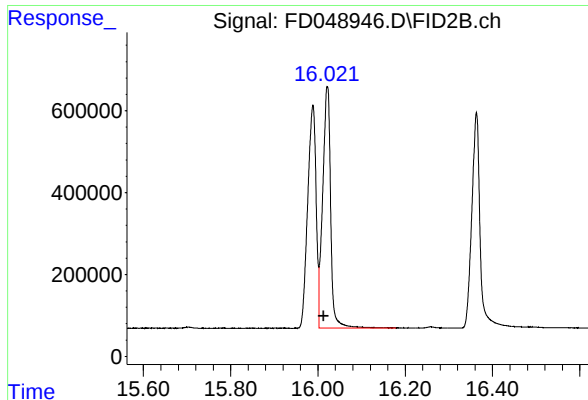
#15 Chrysene (C27.41)

R.T.: 14.482 min
Delta R.T.: 0.006 min
Response: 7652930
Conc: 48.41 ug/ml



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

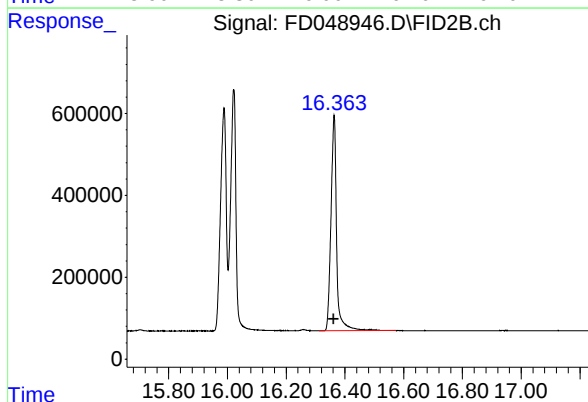
R.T.: 15.989 min
Delta R.T.: 0.007 min
Response: 7300281
Conc: 52.35 ug/ml



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

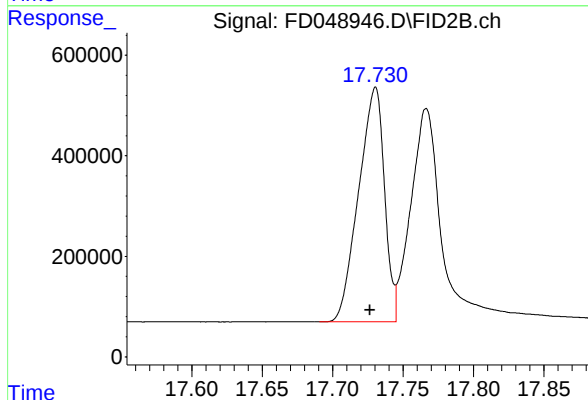
R.T.: 16.022 min
Delta R.T.: 0.009 min
Response: 7491870
Conc: 48.89 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2



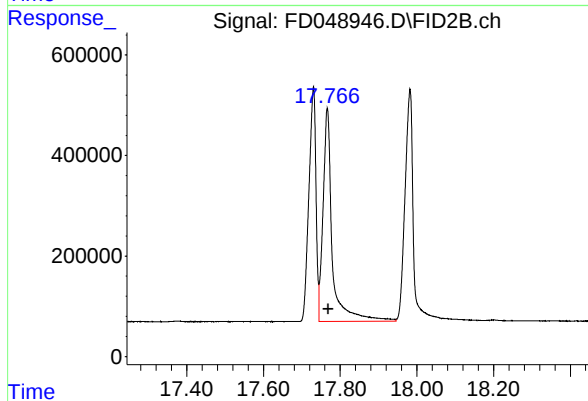
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.363 min
Delta R.T.: 0.002 min
Response: 7044465
Conc: 51.76 ug/ml



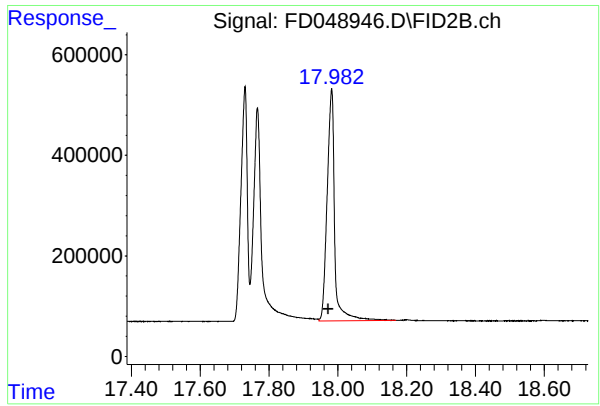
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.730 min
Delta R.T.: 0.004 min
Response: 5943659
Conc: 59.84 ug/ml



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

R.T.: 17.766 min
Delta R.T.: -0.003 min
Response: 7086685
Conc: 48.84 ug/ml



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

R.T.: 17.982 min
Delta R.T.: 0.010 min
Response: 6967496
Conc: 50.13 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD012425AR\
Data File : FD048946.D
Signal(s) : FID2B.ch
Acq On : 24 Jan 2025 09:23
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 012425.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	4.180	4.130	4.307	BB	868449	7560849	94.81%	4.908%
2	5.698	5.599	5.892	BB	798478	7833852	98.23%	5.085%
3	6.745	6.714	6.894	VV	762428	7715439	96.75%	5.009%
4	7.357	7.257	7.497	PB	724369	7023342	88.07%	4.559%
5	8.011	7.960	8.150	BB	805518	7975025	100.00%	5.177%
6	8.208	8.157	8.277	BV	440660	4633464	58.10%	3.008%
7	8.305	8.277	8.432	VB	777977	7895356	99.00%	5.125%
8	9.083	9.014	9.257	BB	740035	7857497	98.53%	5.101%
9	10.471	10.417	10.517	BV	733078	7661334	96.07%	4.973%
10	10.546	10.517	10.754	VB	649439	7663855	96.10%	4.975%
11	11.242	11.130	11.339	BB	731852	7916217	99.26%	5.139%
12	12.275	12.238	12.425	VB	675814	7770594	97.44%	5.044%
13	12.568	12.520	12.631	BV	675194	7762923	97.34%	5.039%
14	14.441	14.362	14.458	BV	618813	7288947	91.40%	4.732%
15	14.482	14.458	14.680	VV	595519	7652930	95.96%	4.968%
16	15.989	15.930	16.003	BV	545666	7300281	91.54%	4.739%
17	16.022	16.003	16.179	VB	589707	7491870	93.94%	4.863%
18	16.363	16.312	16.574	BB	526307	7044465	88.33%	4.573%
19	17.730	17.690	17.745	BV	467658	5943659	74.53%	3.858%
20	17.766	17.745	17.945	VV	424602	7086685	88.86%	4.600%
21	17.982	17.945	18.169	VV	461651	6967496	87.37%	4.523%
Sum of corrected areas:						154046082		

Aromatic EPH 012425.M Sat Jan 25 03:47:24 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD012425AR\
 Data File : FD048947.D
 Signal(s) : FID2B.ch
 Acq On : 24 Jan 2025 09:58
 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: Jan 25 03:29:33 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 012425.M
 Quant Title : GC Extractables
 QLast Update : Sat Jan 25 03:28:54 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.358	2808122	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
6) S 2-Fluorobiphenyl (SURR)	8.209	1740176	20.000 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	40.00%
11) S ortho-Terphenyl (SURR)	11.239	3201898	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.180	3024439	20.000 ug/ml
2) T Naphthalene (C11.7)	5.699	3097612	20.000 ug/ml
3) T 2-Methylnaphthalene (...)	6.745	3073064	20.000 ug/ml
5) T Acenaphthylene (C15.06)	8.009	3202988	20.000 ug/ml
7) T Acenaphthene (C15.5)	8.302	3227226	20.000 ug/ml
8) T Fluorene (C16.55)	9.083	3107231	20.000 ug/ml
9) T Phenanthrene (C19.36)	10.469	3010366	20.000 ug/ml
10) T Anthracene (C19.43)	10.546	3028354	20.000 ug/ml
12) T Fluoranthene (C21.85)	12.273	3066144	20.000 ug/ml
13) T Pyrene (C20.8)	12.565	3031227	20.000 ug/ml
14) T Benzo[a]anthracene (C...	14.435	2691882	20.000 ug/ml
15) T Chrysene (C27.41)	14.476	3161412	20.000 ug/ml
16) T benzo[b]fluoranthene ...	15.982	2789216	20.000 ug/ml
17) T Bnezo[k]fluoranthene ...	16.013	3064740	20.000 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.362	2721730	20.000 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.727	1986390	20.000 ug/ml
20) T Dibenz[a,h]anthracene...	17.769	2902119	20.000 ug/ml
21) T Benzo[g,h,i]perylene ...	17.972	2779778	20.000 ug/ml

(f)=RT Delta > 1/2 Window

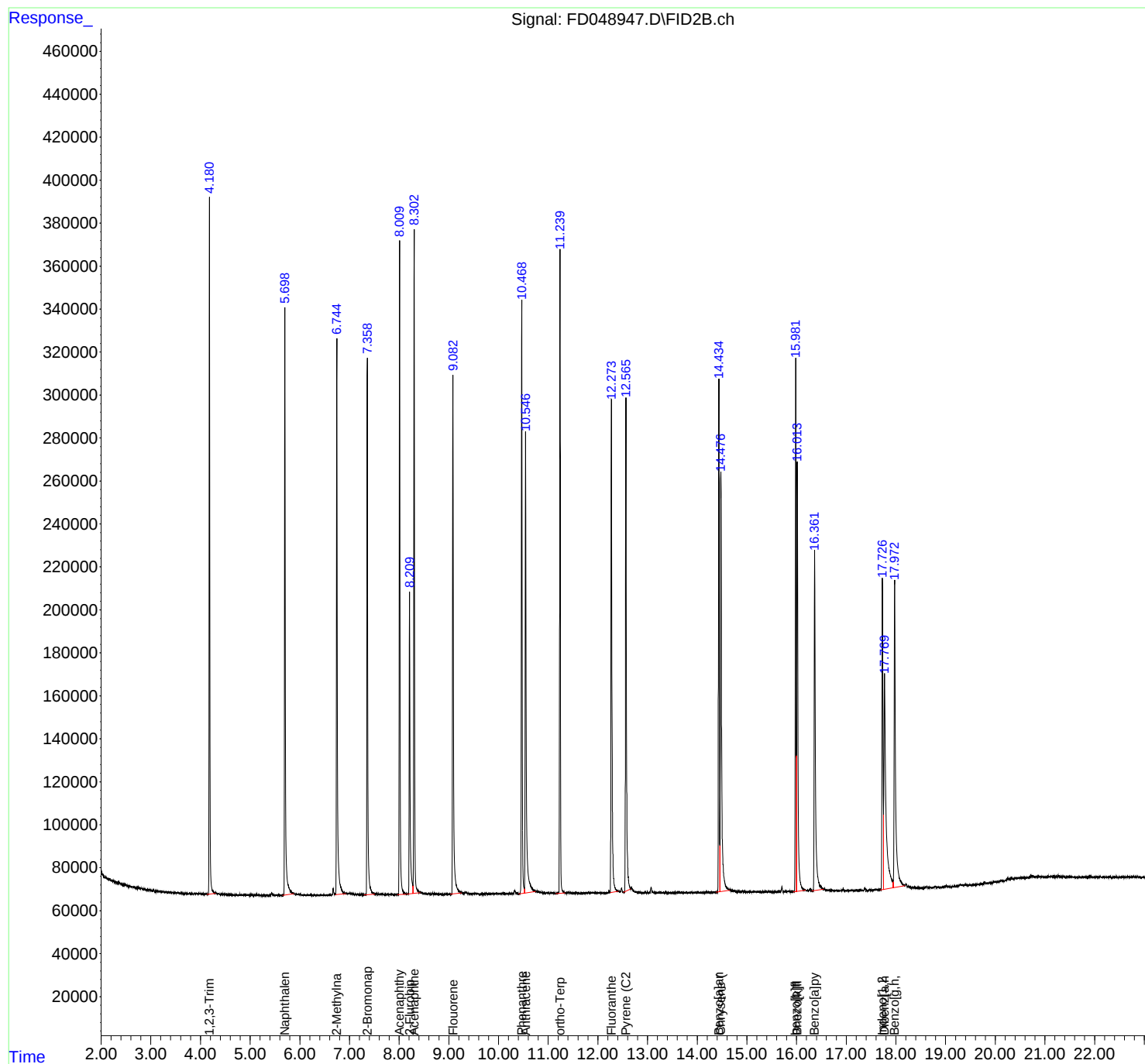
(m)=manual int.

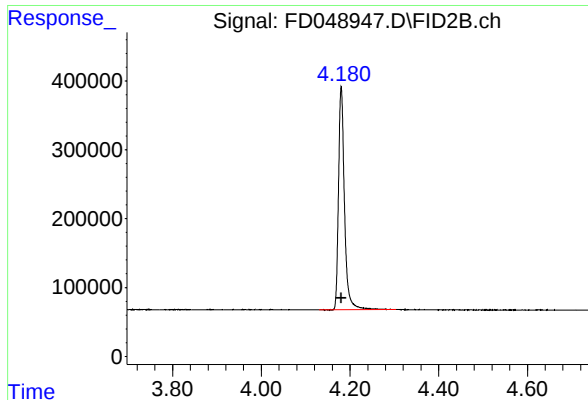
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD012425AR\
Data File : FD048947.D
Signal(s) : FID2B.ch
Acq On : 24 Jan 2025 09:58
Operator : YP/AJ
Sample : 20 PPM AROMATIC HC STD3
Misc :
ALS Vial : 63 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3

Integration File: autoint1.e
Quant Time: Jan 25 03:29:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 012425.M
Quant Title : GC Extractables
QLast Update : Sat Jan 25 03:28:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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

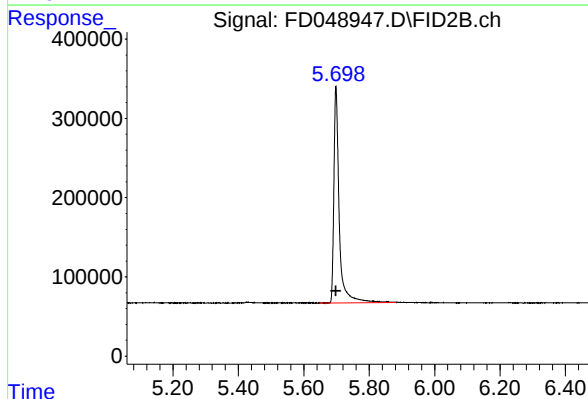




#1 1,2,3-Trimethylbenzene (C10.1)

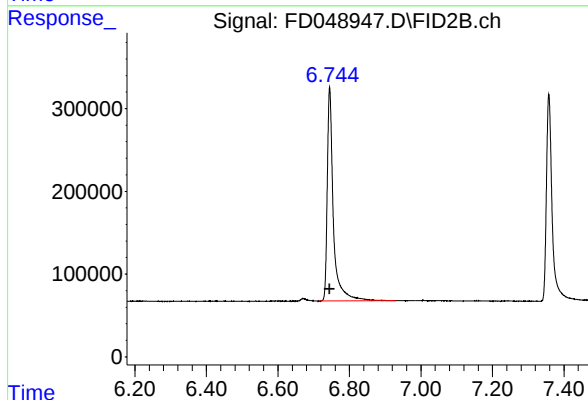
R.T.: 4.180 min
Delta R.T.: 0.000 min
Response: 3024439
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3



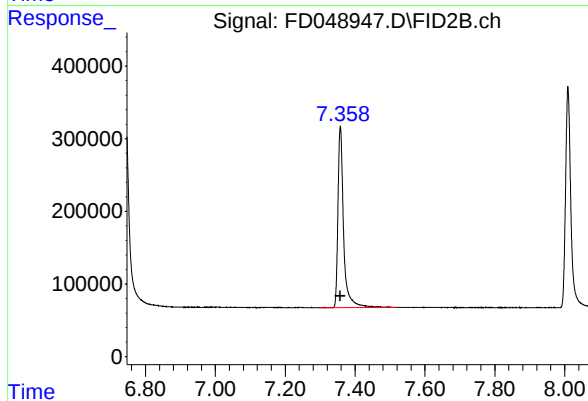
#2 Naphthalene (C11.7)

R.T.: 5.699 min
Delta R.T.: 0.000 min
Response: 3097612
Conc: 20.00 ug/ml



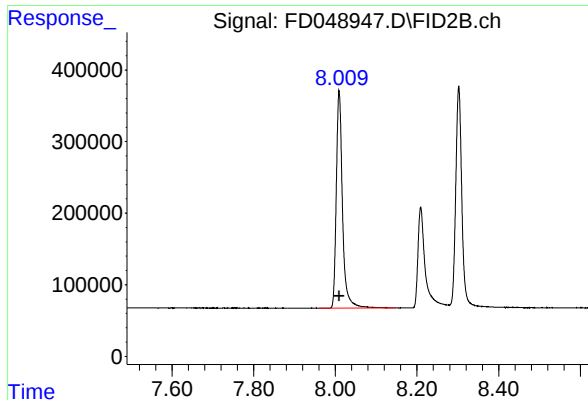
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.745 min
Delta R.T.: 0.000 min
Response: 3073064
Conc: 20.00 ug/ml



#4 2-Bromonaphthalene (SURR)

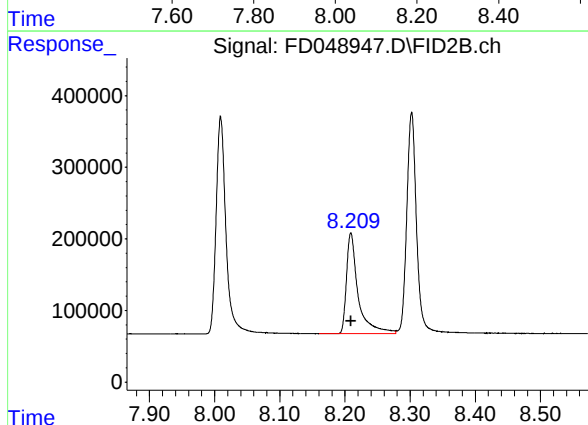
R.T.: 7.358 min
Delta R.T.: 0.000 min
Response: 2808122
Conc: 20.00 ug/ml



#5 Acenaphthylene (C15.06)

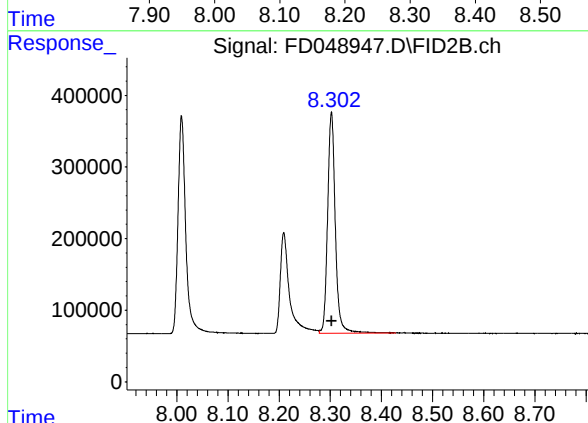
R.T.: 8.009 min
Delta R.T.: 0.000 min
Response: 3202988
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3



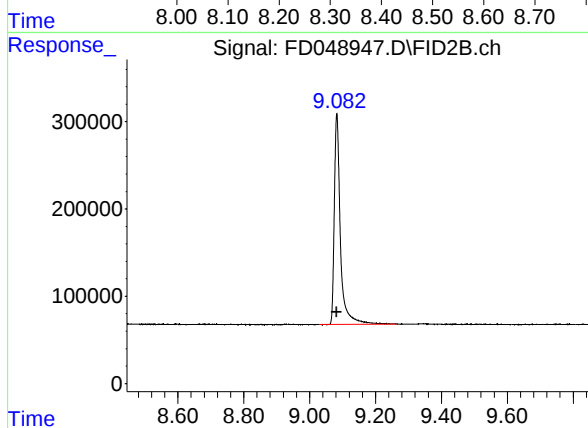
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.209 min
Delta R.T.: 0.000 min
Response: 1740176
Conc: 20.00 ug/ml



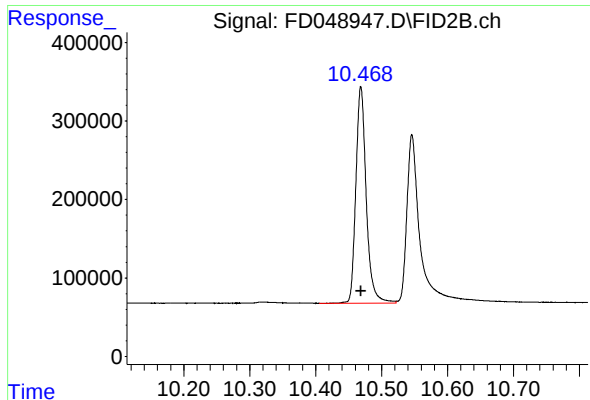
#7 Acenaphthene (C15.5)

R.T.: 8.302 min
Delta R.T.: 0.000 min
Response: 3227226
Conc: 20.00 ug/ml



#8 Fluorene (C16.55)

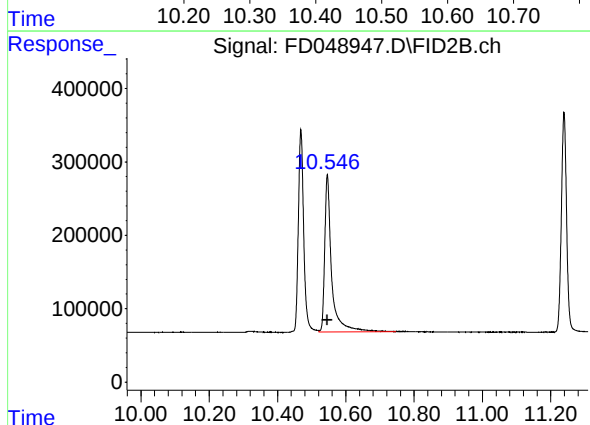
R.T.: 9.083 min
Delta R.T.: 0.000 min
Response: 3107231
Conc: 20.00 ug/ml



#9 Phenanthrene (C19.36)

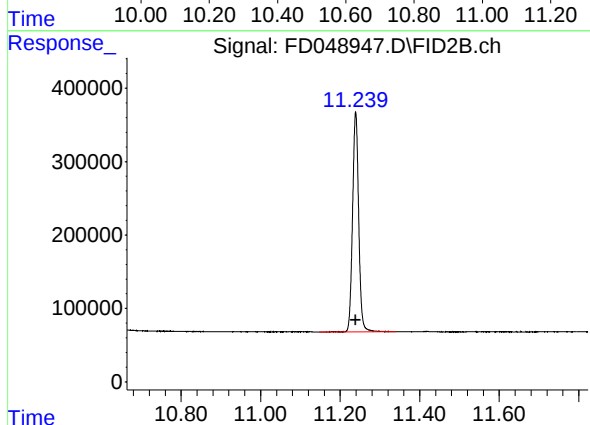
R.T.: 10.469 min
Delta R.T.: 0.000 min
Response: 3010366
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3



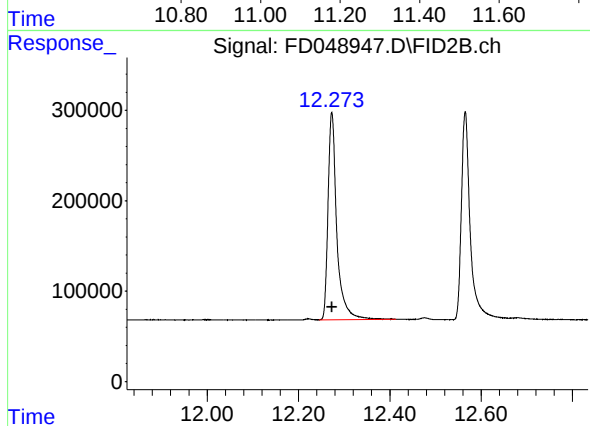
#10 Anthracene (C19.43)

R.T.: 10.546 min
Delta R.T.: 0.000 min
Response: 3028354
Conc: 20.00 ug/ml



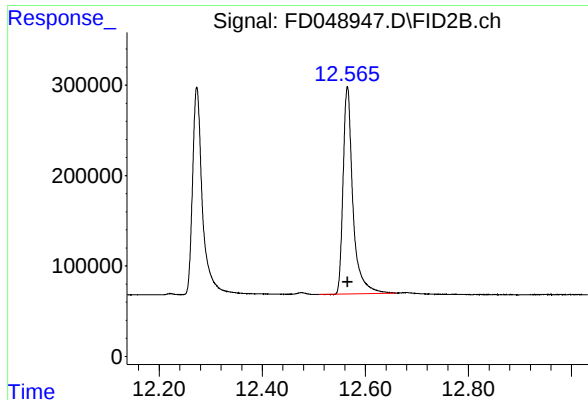
#11 ortho-Terphenyl (SURRE)

R.T.: 11.239 min
Delta R.T.: 0.000 min
Response: 3201898
Conc: 20.00 ug/ml



#12 Fluoranthene (C21.85)

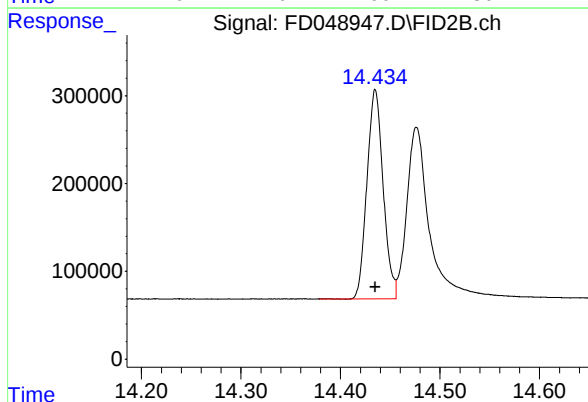
R.T.: 12.273 min
Delta R.T.: 0.000 min
Response: 3066144
Conc: 20.00 ug/ml



#13 Pyrene (C20.8)

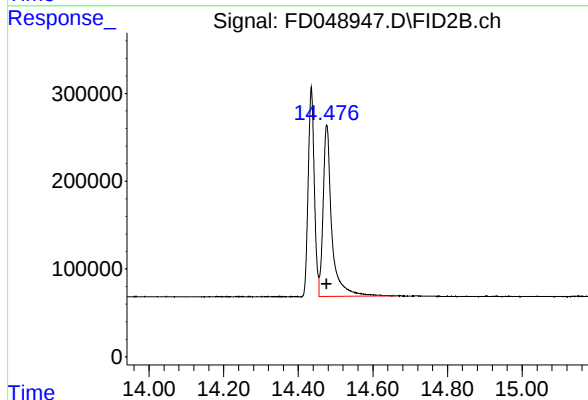
R.T.: 12.565 min
Delta R.T.: 0.000 min
Response: 3031227
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3



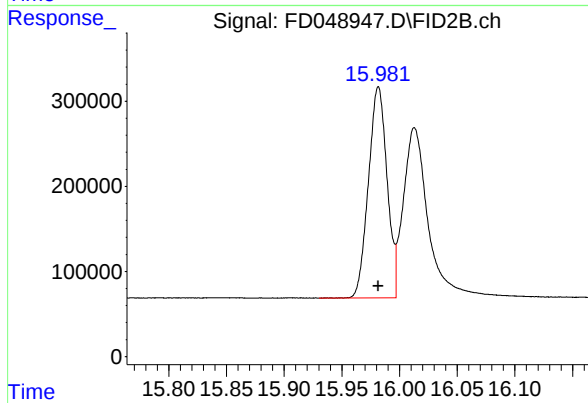
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.435 min
Delta R.T.: 0.000 min
Response: 2691882
Conc: 20.00 ug/ml



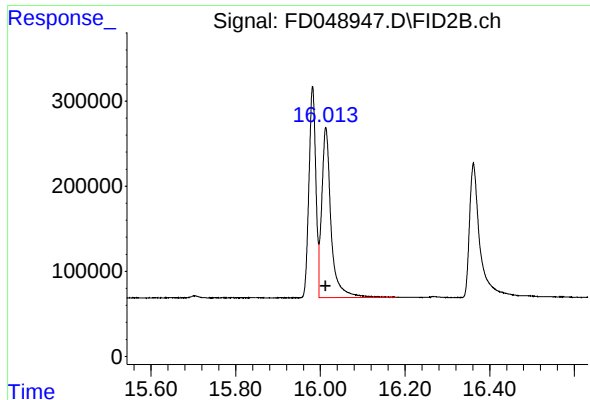
#15 Chrysene (C27.41)

R.T.: 14.476 min
Delta R.T.: 0.000 min
Response: 3161412
Conc: 20.00 ug/ml



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

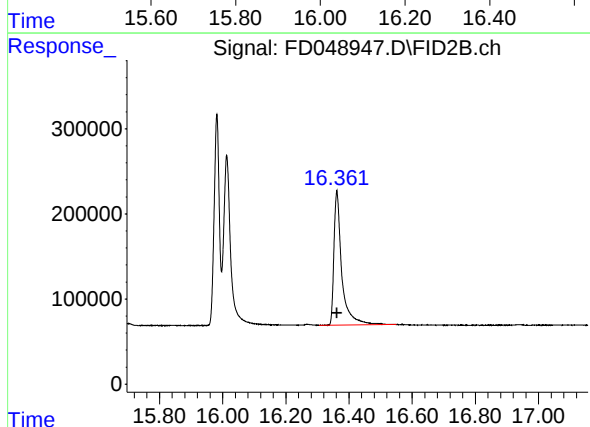
R.T.: 15.982 min
Delta R.T.: 0.000 min
Response: 2789216
Conc: 20.00 ug/ml



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

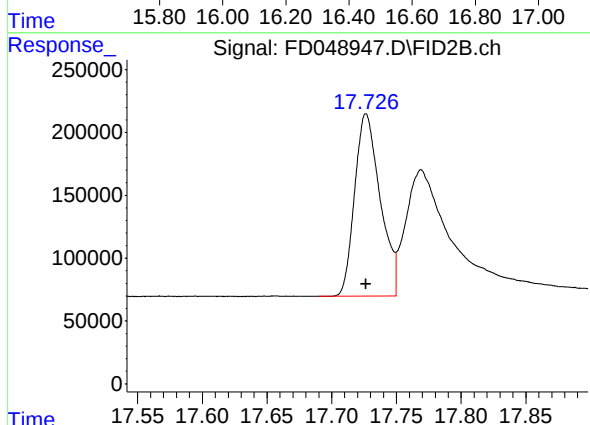
R.T.: 16.013 min
Delta R.T.: 0.000 min
Response: 3064740
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3



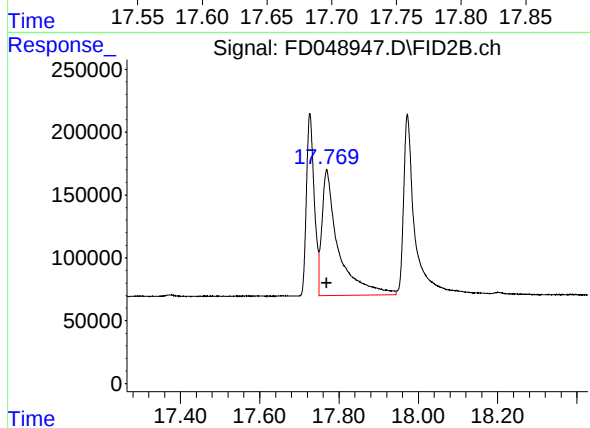
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.362 min
Delta R.T.: 0.000 min
Response: 2721730
Conc: 20.00 ug/ml



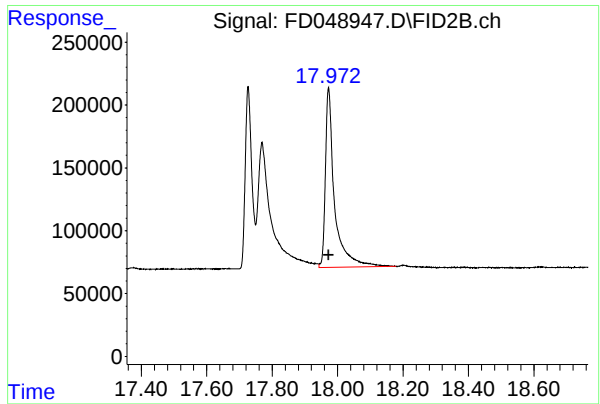
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.727 min
Delta R.T.: 0.000 min
Response: 1986390
Conc: 20.00 ug/ml



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

R.T.: 17.769 min
Delta R.T.: 0.000 min
Response: 2902119
Conc: 20.00 ug/ml



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

R.T.: 17.972 min

Delta R.T.: 0.000 min

Response: 2779778

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\FD012425AR\
Data File : FD048947.D
Signal(s) : FID2B.ch
Acq On : 24 Jan 2025 09:58
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 012425.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	4.180	4.130	4.303	BB	324018	3024439	93.72%	4.981%
2	5.699	5.647	5.882	BB	272926	3097612	95.98%	5.102%
3	6.745	6.715	6.930	BB	258229	3073064	95.22%	5.061%
4	7.358	7.297	7.517	BB	250433	2808122	87.01%	4.625%
5	8.009	7.960	8.148	BB	303813	3202988	99.25%	5.275%
6	8.209	8.160	8.278	BV	140619	1740176	53.92%	2.866%
7	8.302	8.278	8.428	VB	308524	3227226	100.00%	5.315%
8	9.083	9.028	9.262	BB	241476	3107231	96.28%	5.118%
9	10.469	10.405	10.522	BV	276143	3010366	93.28%	4.958%
10	10.546	10.522	10.747	VB	213957	3028354	93.84%	4.988%
11	11.239	11.147	11.340	BB	299992	3201898	99.22%	5.274%
12	12.273	12.245	12.413	BB	229453	3066144	95.01%	5.050%
13	12.565	12.510	12.659	BV	229677	3031227	93.93%	4.992%
14	14.435	14.378	14.456	BV	238271	2691882	83.41%	4.434%
15	14.476	14.456	14.662	VB	195270	3161412	97.96%	5.207%
16	15.982	15.930	15.997	BV	248399	2789216	86.43%	4.594%
17	16.013	15.997	16.178	VB	199815	3064740	94.97%	5.048%
18	16.362	16.305	16.548	BB	158092	2721730	84.34%	4.483%
19	17.727	17.690	17.750	BV	145010	1986390	61.55%	3.272%
20	17.769	17.750	17.943	VV	100428	2902119	89.93%	4.780%
21	17.972	17.943	18.178	VV	142970	2779778	86.14%	4.578%
Sum of corrected areas:							60716111	

Aromatic EPH 012425.M Sat Jan 25 03:47:39 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD012425AR\
 Data File : FD048948.D
 Signal(s) : FID2B.ch
 Acq On : 24 Jan 2025 10:34
 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

Integration File: autoint1.e
 Quant Time: Jan 25 03:31:42 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 012425.M
 Quant Title : GC Extractables
 QLast Update : Sat Jan 25 03:28:54 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.360	1479402	10.537 ug/ml
Spiked Amount 50.000		Recovery =	21.07%
6) S 2-Fluorobiphenyl (SURR)	8.215	849450	9.763 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	19.53%
11) S ortho-Terphenyl (SURR)	11.239	1726263	10.783 ug/ml
Spiked Amount 50.000		Recovery =	21.57%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.182	1604565	10.611 ug/ml
2) T Naphthalene (C11.7)	5.702	1618653	10.451 ug/ml
3) T 2-Methylnaphthalene (...)	6.748	1607311	10.461 ug/ml
5) T Acenaphthylene (C15.06)	8.011	1700004	10.615 ug/ml
7) T Acenaphthene (C15.5)	8.302	1766355	10.947 ug/ml
8) T Fluorene (C16.55)	9.086	1613538	10.386 ug/ml
9) T Phenanthrene (C19.36)	10.471	1562014	10.378 ug/ml
10) T Anthracene (C19.43)	10.550	1574502	10.398 ug/ml
12) T Fluoranthene (C21.85)	12.278	1631103	10.639 ug/ml
13) T Pyrene (C20.8)	12.569	1632105	10.769 ug/ml
14) T Benzo[a]anthracene (C...	14.439	1226846	9.115 ug/ml
15) T Chrysene (C27.41)	14.478	1859136	11.761 ug/ml
16) T benzo[b]fluoranthene ...	15.984	1354636	9.713 ug/ml
17) T Bnezo[k]fluoranthene ...	16.016	1754098	11.447 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.371	1447102	10.634 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.739	938875	9.453 ug/ml
20) T Dibenz[a,h]anthracene...	17.785	1549713	10.680 ug/ml
21) T Benzo[g,h,i]perylene ...	17.980	1491403	10.730 ug/ml

(f)=RT Delta > 1/2 Window

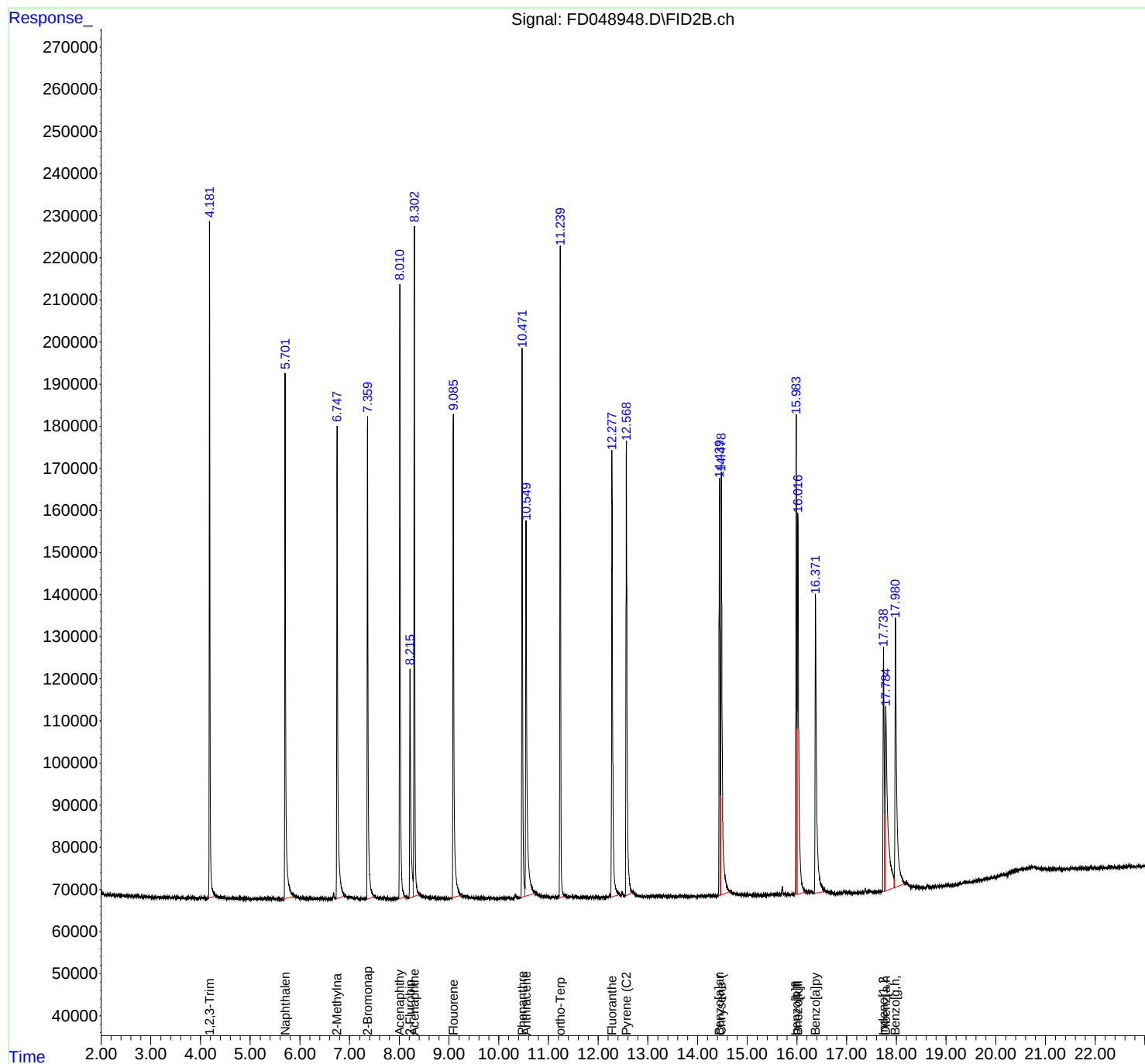
(m)=manual int.

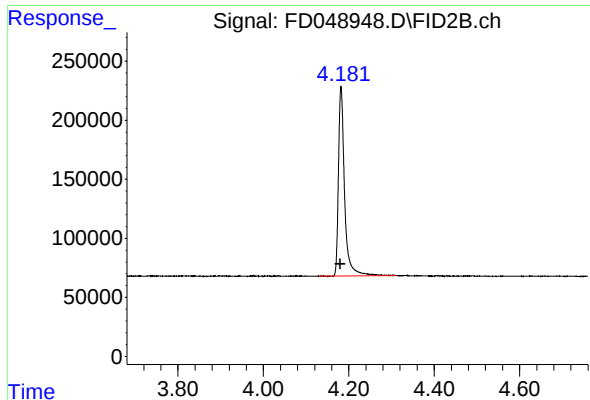
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD012425AR\
Data File : FD048948.D
Signal(s) : FID2B.ch
Acq On : 24 Jan 2025 10:34
Operator : YP/AJ
Sample : 10 PPM AROMATIC HC STD4
Misc :
ALS Vial : 64 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4

Integration File: autoint1.e
Quant Time: Jan 25 03:31:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 012425.M
Quant Title : GC Extractables
QLast Update : Sat Jan 25 03:28:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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

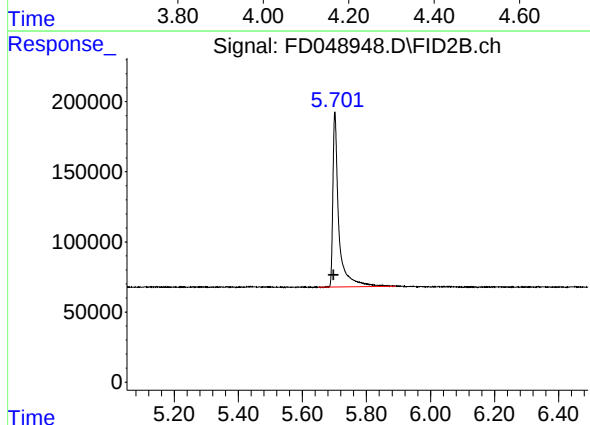




#1 1,2,3-Trimethylbenzene (C10.1)

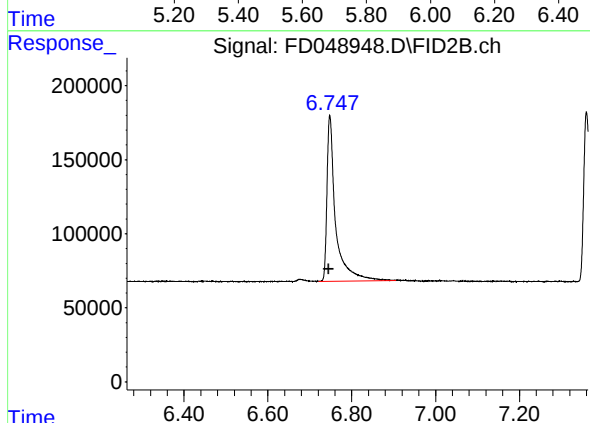
R.T.: 4.182 min
Delta R.T.: 0.002 min
Response: 1604565
Conc: 10.61 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4



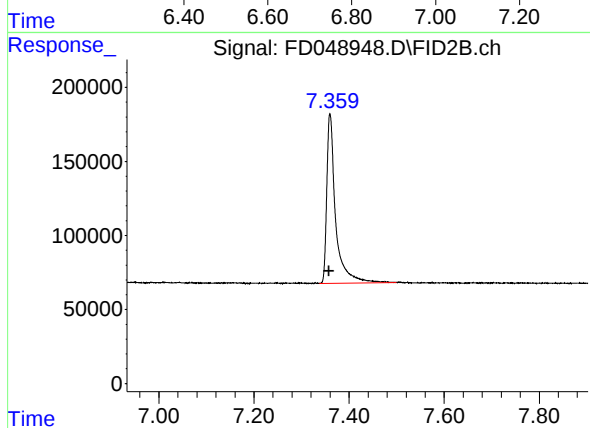
#2 Naphthalene (C11.7)

R.T.: 5.702 min
Delta R.T.: 0.003 min
Response: 1618653
Conc: 10.45 ug/ml



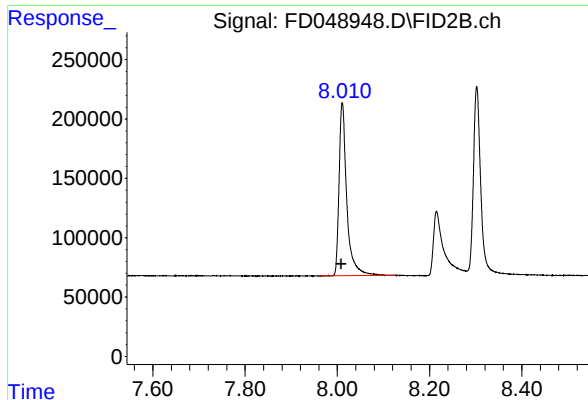
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.748 min
Delta R.T.: 0.003 min
Response: 1607311
Conc: 10.46 ug/ml



#4 2-Bromonaphthalene (SURR)

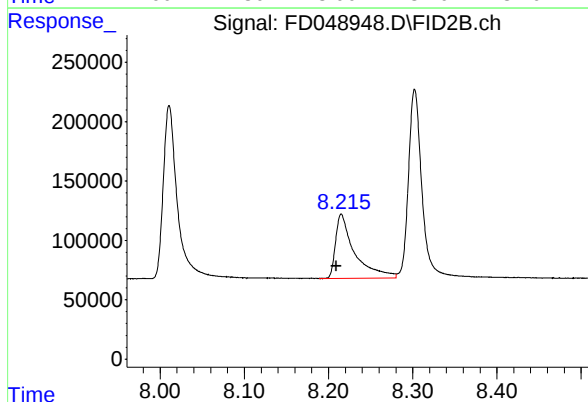
R.T.: 7.360 min
Delta R.T.: 0.002 min
Response: 1479402
Conc: 10.54 ug/ml



#5 Acenaphthylene (C15.06)

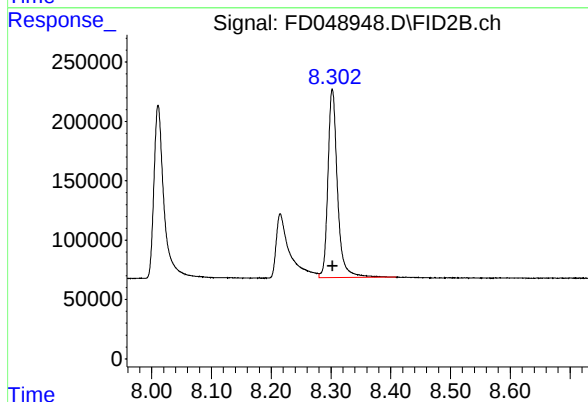
R.T.: 8.011 min
Delta R.T.: 0.002 min
Response: 1700004
Conc: 10.62 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4



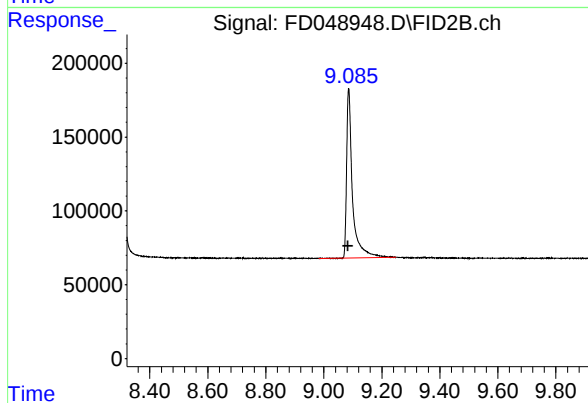
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.215 min
Delta R.T.: 0.006 min
Response: 849450
Conc: 9.76 ug/ml



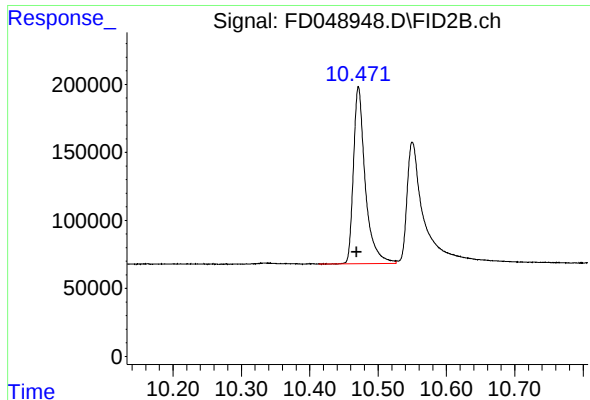
#7 Acenaphthene (C15.5)

R.T.: 8.302 min
Delta R.T.: 0.000 min
Response: 1766355
Conc: 10.95 ug/ml



#8 Flouorene (C16.55)

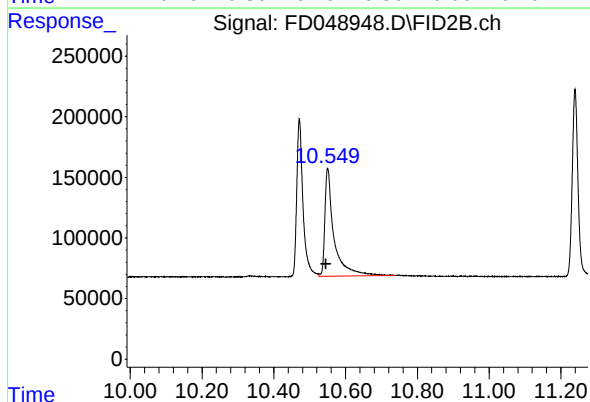
R.T.: 9.086 min
Delta R.T.: 0.003 min
Response: 1613538
Conc: 10.39 ug/ml



#9 Phenanthrene (C19.36)

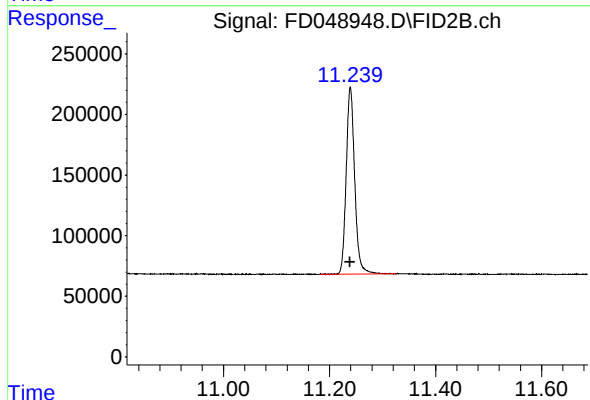
R.T.: 10.471 min
Delta R.T.: 0.003 min
Response: 1562014
Conc: 10.38 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4



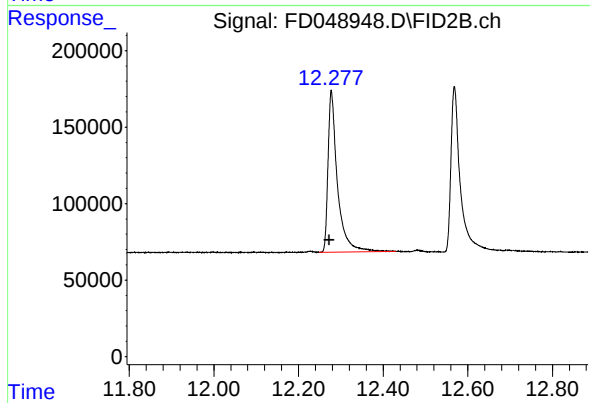
#10 Anthracene (C19.43)

R.T.: 10.550 min
Delta R.T.: 0.004 min
Response: 1574502
Conc: 10.40 ug/ml



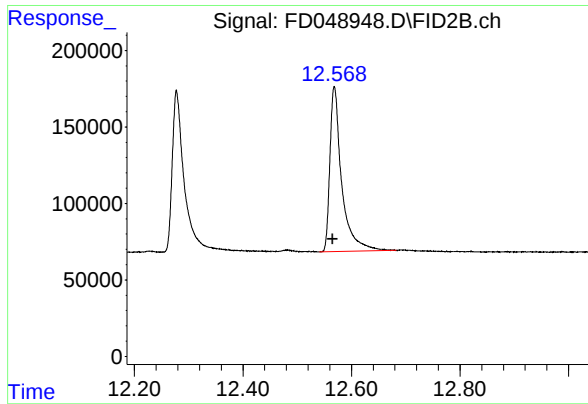
#11 ortho-Terphenyl (SURR)

R.T.: 11.239 min
Delta R.T.: 0.000 min
Response: 1726263
Conc: 10.78 ug/ml



#12 Fluoranthene (C21.85)

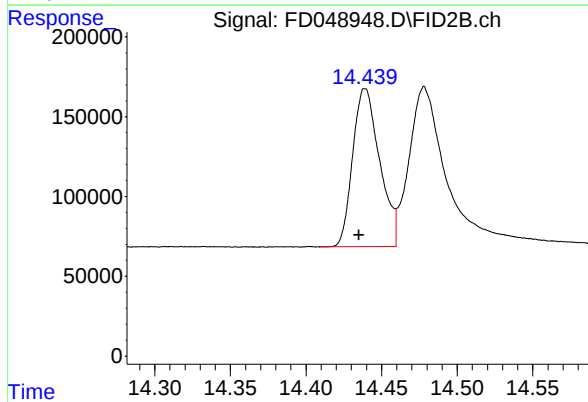
R.T.: 12.278 min
Delta R.T.: 0.005 min
Response: 1631103
Conc: 10.64 ug/ml



#13 Pyrene (C20.8)

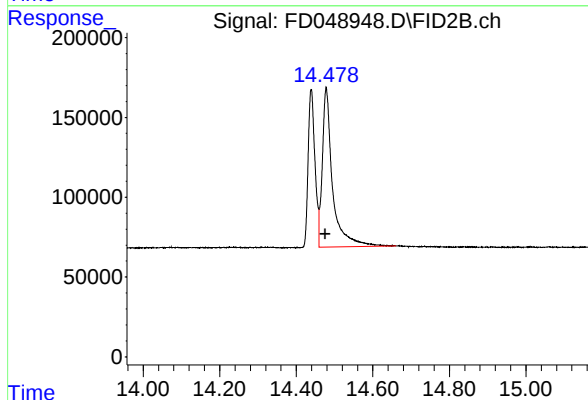
R.T.: 12.569 min
Delta R.T.: 0.003 min
Response: 1632105
Conc: 10.77 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4



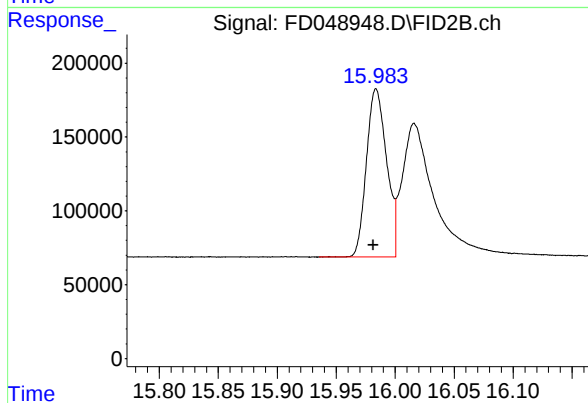
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.439 min
Delta R.T.: 0.004 min
Response: 1226846
Conc: 9.12 ug/ml



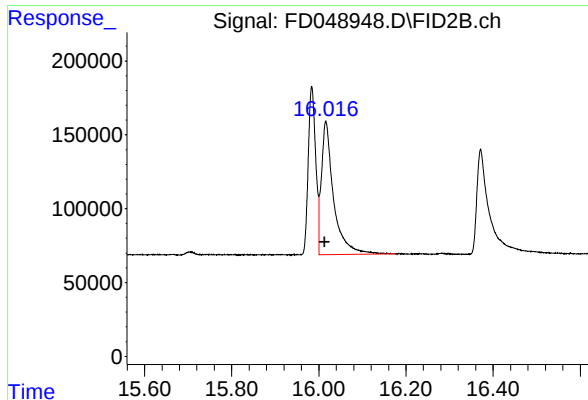
#15 Chrysene (C27.41)

R.T.: 14.478 min
Delta R.T.: 0.002 min
Response: 1859136
Conc: 11.76 ug/ml



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

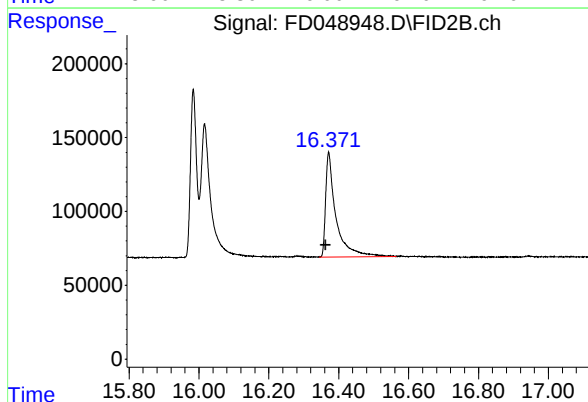
R.T.: 15.984 min
Delta R.T.: 0.002 min
Response: 1354636
Conc: 9.71 ug/ml



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

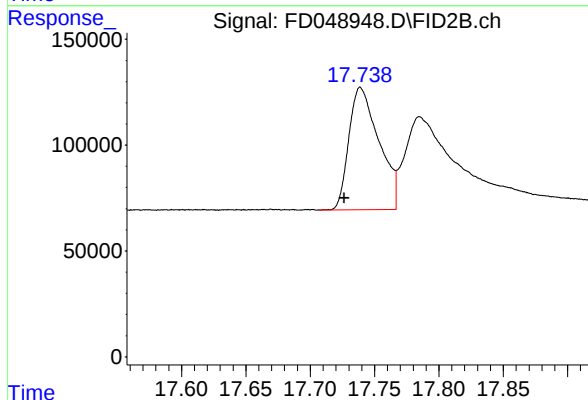
R.T.: 16.016 min
Delta R.T.: 0.003 min
Response: 1754098
Conc: 11.45 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4



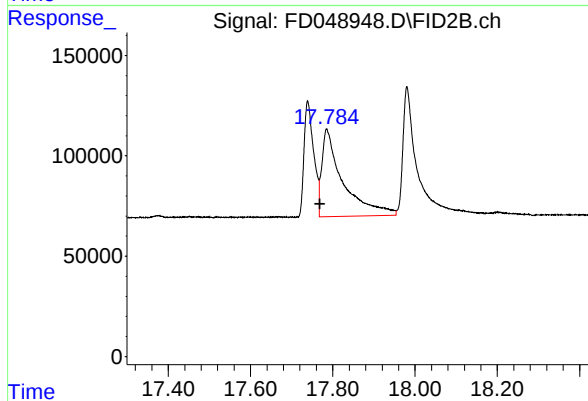
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.371 min
Delta R.T.: 0.010 min
Response: 1447102
Conc: 10.63 ug/ml



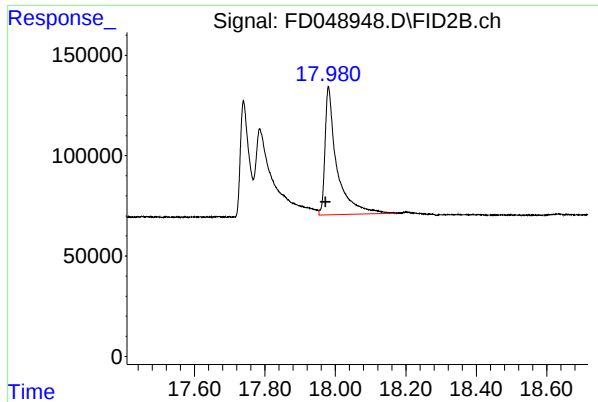
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.739 min
Delta R.T.: 0.012 min
Response: 938875
Conc: 9.45 ug/ml



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

R.T.: 17.785 min
Delta R.T.: 0.016 min
Response: 1549713
Conc: 10.68 ug/ml



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

R.T.: 17.980 min

Delta R.T.: 0.008 min

Response: 1491403

Conc: 10.73 ug/ml

Instrument :

FID_D

ClientSampleId :

10 PPM AROMATIC HC STD4

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD012425AR\
Data File : FD048948.D
Signal(s) : FID2B.ch
Acq On : 24 Jan 2025 10:34
Sample : 10 PPM AROMATIC HC STD4
Misc :
ALS Vial : 64 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 012425.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	4.182	4.130	4.310	BB	160261	1604565	86.31%	5.016%
2	5.702	5.652	5.892	BB	124577	1618653	87.06%	5.060%
3	6.748	6.722	6.905	BB	111484	1607311	86.45%	5.025%
4	7.360	7.337	7.499	BB	114130	1479402	79.57%	4.625%
5	8.011	7.960	8.127	BB	145971	1700004	91.44%	5.315%
6	8.215	8.189	8.280	BV	54185	849450	45.69%	2.656%
7	8.302	8.280	8.409	VB	159016	1766355	95.01%	5.522%
8	9.086	8.984	9.249	BB	114852	1613538	86.79%	5.044%
9	10.471	10.414	10.526	BV	129870	1562014	84.02%	4.883%
10	10.550	10.526	10.740	VB	88970	1574502	84.69%	4.922%
11	11.239	11.180	11.325	BV	154484	1726263	92.85%	5.397%
12	12.278	12.249	12.430	BB	105878	1631103	87.73%	5.099%
13	12.569	12.540	12.682	BV	107859	1632105	87.79%	5.102%
14	14.439	14.409	14.459	BV	99278	1226846	65.99%	3.835%
15	14.478	14.459	14.660	VB	100202	1859136	100.00%	5.812%
16	15.984	15.935	16.001	BV	113801	1354636	72.86%	4.235%
17	16.016	16.001	16.177	VV	89932	1754098	94.35%	5.484%
18	16.371	16.344	16.564	BB	70909	1447102	77.84%	4.524%
19	17.739	17.707	17.767	BV	57877	938875	50.50%	2.935%
20	17.785	17.767	17.954	VV	43754	1549713	83.36%	4.845%
21	17.980	17.954	18.172	VB	63902	1491403	80.22%	4.663%
Sum of corrected areas:							31987074	

Aromatic EPH 012425.M Sat Jan 25 03:47:53 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD012425AR\
 Data File : FD048949.D
 Signal(s) : FID2B.ch
 Acq On : 24 Jan 2025 11:10
 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 01/27/2025
 Supervised By :Ankita Jodhani 01/27/2025

Integration File: autoint1.e
 Quant Time: Jan 25 03:32:05 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 012425.M
 Quant Title : GC Extractables
 QLast Update : Sat Jan 25 03:28:54 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.368	717868	5.113 ug/ml
Spiked Amount 50.000		Recovery =	10.23%
6) S 2-Fluorobiphenyl (SURR)	8.233	339783	3.905 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	7.81%
11) S ortho-Terphenyl (SURR)	11.242	879266	5.492 ug/ml
Spiked Amount 50.000		Recovery =	10.98%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.184	789589	5.221 ug/ml
2) T Naphthalene (C11.7)	5.708	759669	4.905 ug/ml
3) T 2-Methylnaphthalene (...)	6.756	770079	5.012 ug/ml
5) T Acenaphthylene (C15.06)	8.016	854846	5.338 ug/ml
7) T Acenaphthene (C15.5)	8.305	948275	5.877 ug/ml
8) T Fluorene (C16.55)	9.095	763400	4.914 ug/ml
9) T Phenanthrene (C19.36)	10.483	750630	4.987 ug/ml
10) T Anthracene (C19.43)	10.566	743883	4.913 ug/ml
12) T Fluoranthene (C21.85)	12.291	810442	5.286 ug/ml
13) T Pyrene (C20.8)	12.579	825951	5.450 ug/ml
14) T Benzo[a]anthracene (C...	14.456	474873	3.528 ug/ml
15) T Chrysene (C27.41)	14.492	1000984	6.333 ug/ml
16) T benzo[b]fluoranthene ...	15.999	587465	4.212 ug/ml
17) T Bnezo[k]fluoranthene ...	16.034	932809	6.087 ug/mlm
18) T Benzo[a]pyrene (C31.34)	16.395	689943	5.070 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.768	411157	4.140 ug/ml
20) T Dibenz[a,h]anthracene...	17.816	699298	4.819 ug/mlm
21) T Benzo[g,h,i]perylene ...	17.998	746404	5.370 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD012425AR\
Data File : FD048949.D
Signal(s) : FID2B.ch
Acq On : 24 Jan 2025 11:10
Operator : YP/AJ
Sample : 5 PPM AROMATIC HC STD5
Misc :
ALS Vial : 65 Sample Multiplier: 1

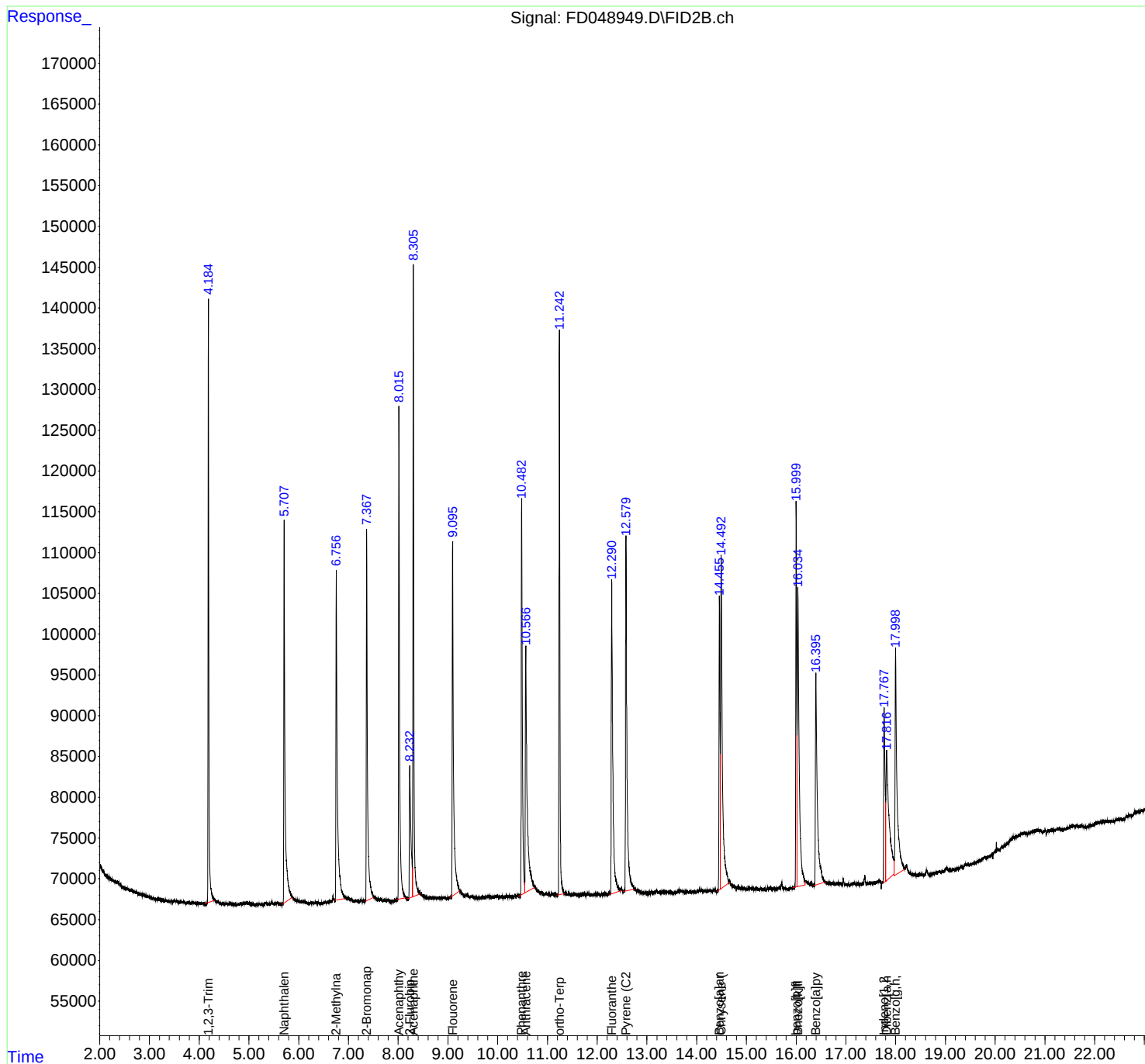
Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5

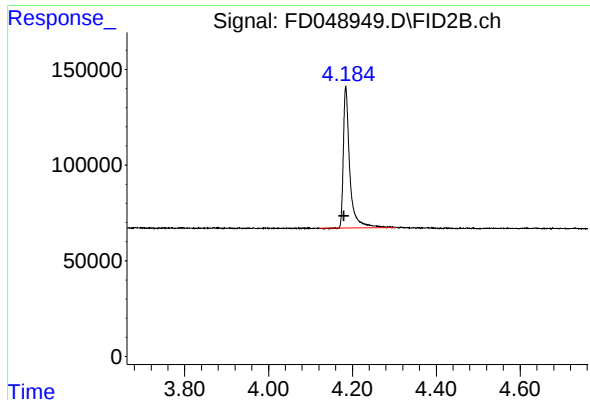
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 01/27/2025
Supervised By :Ankita Jodhani 01/27/2025

Integration File: autoint1.e
Quant Time: Jan 25 03:32:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 012425.M
Quant Title : GC Extractables
QLast Update : Sat Jan 25 03:28:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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





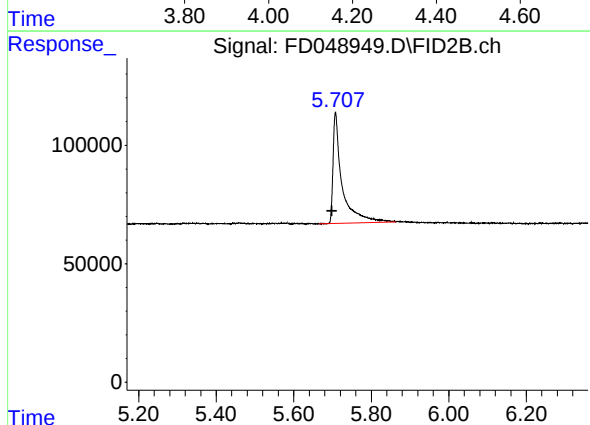
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.184 min
Delta R.T.: 0.004 min
Response: 789589
Conc: 5.22 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5

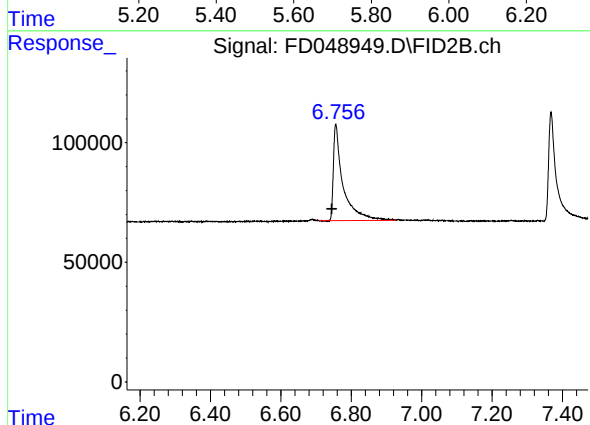
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 01/27/2025
Supervised By :Ankita Jodhani 01/27/2025



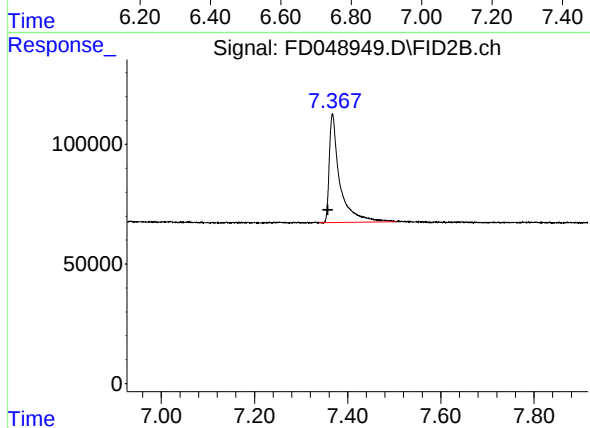
#2 Naphthalene (C11.7)

R.T.: 5.708 min
Delta R.T.: 0.009 min
Response: 759669
Conc: 4.90 ug/ml



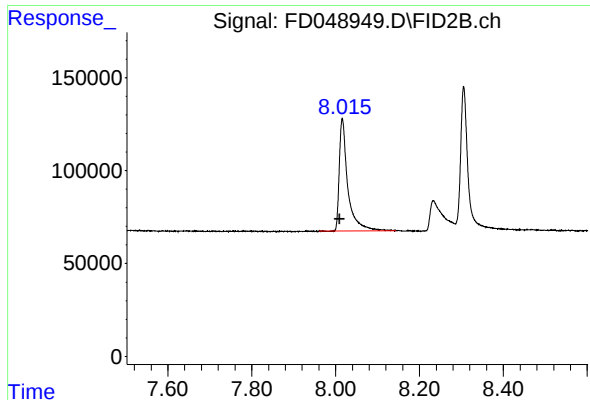
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.756 min
Delta R.T.: 0.011 min
Response: 770079
Conc: 5.01 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.368 min
Delta R.T.: 0.010 min
Response: 717868
Conc: 5.11 ug/ml



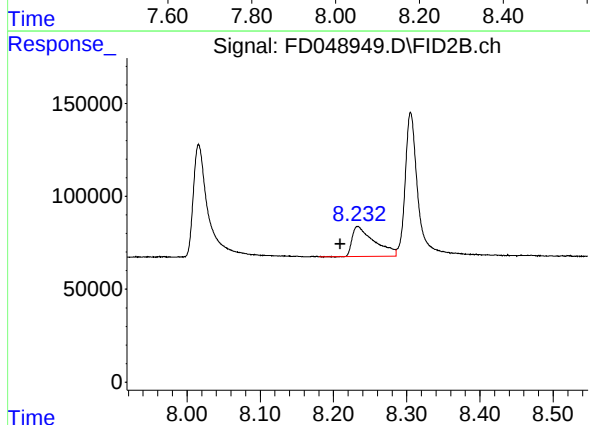
#5 Acenaphthylene (C15.06)

R.T.: 8.016 min
Delta R.T.: 0.007 min
Response: 854846
Conc: 5.34 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5

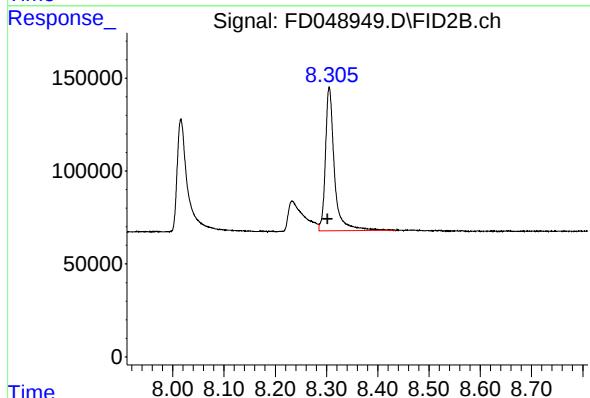
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 01/27/2025
Supervised By :Ankita Jodhani 01/27/2025



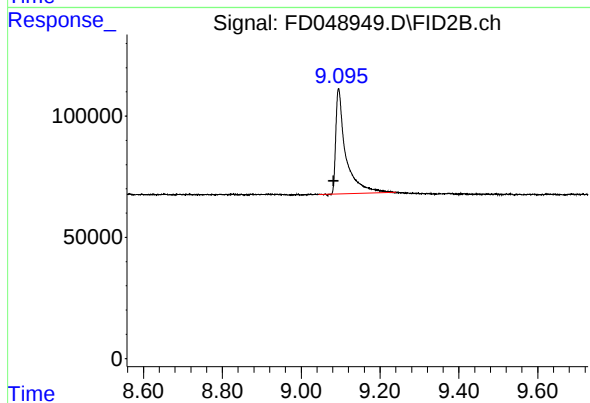
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.233 min
Delta R.T.: 0.024 min
Response: 339783
Conc: 3.91 ug/ml



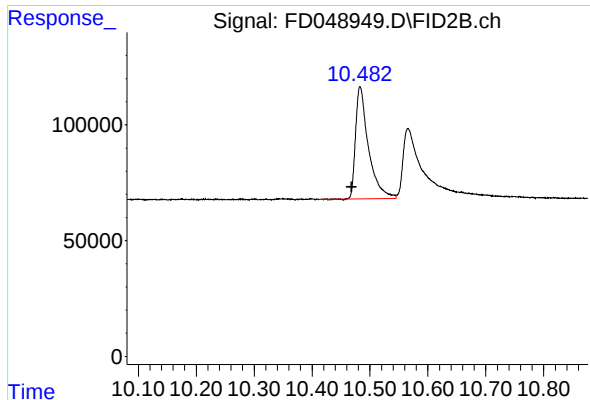
#7 Acenaphthene (C15.5)

R.T.: 8.305 min
Delta R.T.: 0.003 min
Response: 948275
Conc: 5.88 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.095 min
Delta R.T.: 0.012 min
Response: 763400
Conc: 4.91 ug/ml



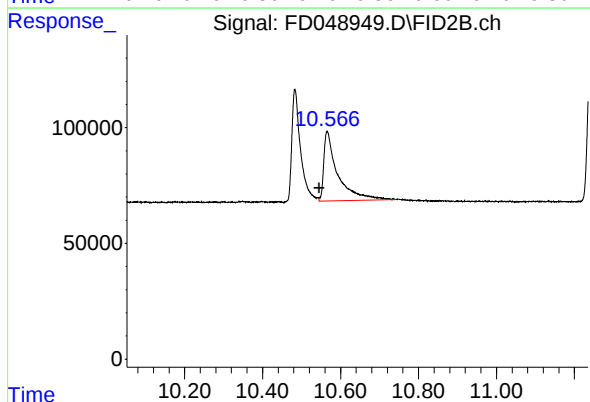
#9 Phenanthrene (C19.36)

R.T.: 10.483 min
Delta R.T.: 0.015 min
Response: 750630
Conc: 4.99 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5

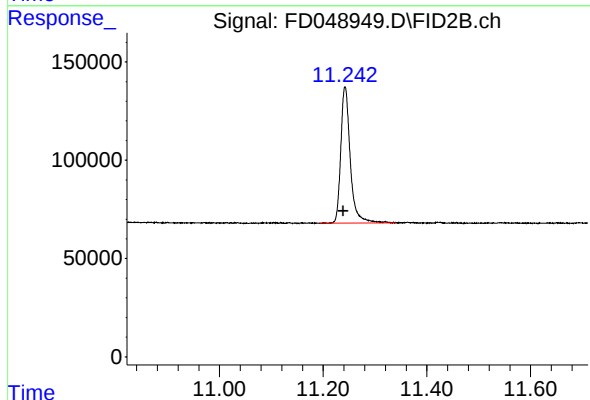
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 01/27/2025
Supervised By :Ankita Jodhani 01/27/2025



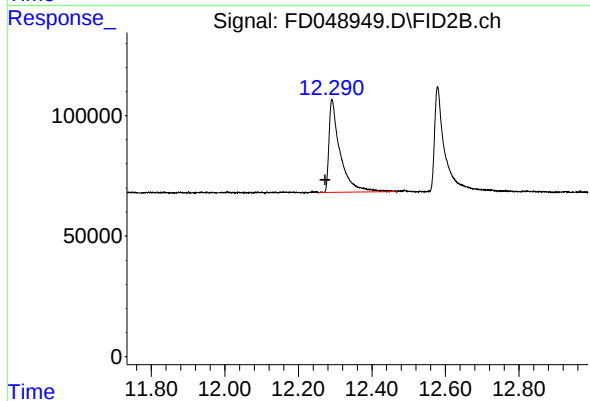
#10 Anthracene (C19.43)

R.T.: 10.566 min
Delta R.T.: 0.020 min
Response: 743883
Conc: 4.91 ug/ml



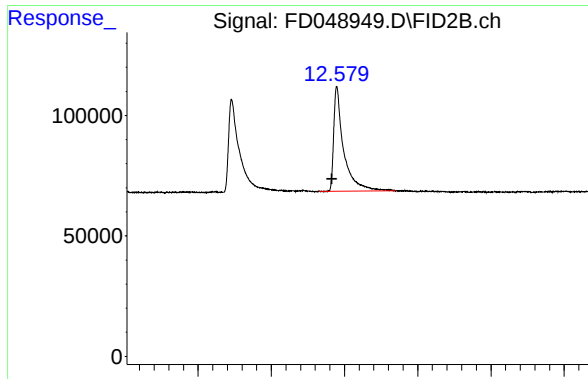
#11 ortho-Terphenyl (SURRE)

R.T.: 11.242 min
Delta R.T.: 0.003 min
Response: 879266
Conc: 5.49 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.291 min
Delta R.T.: 0.018 min
Response: 810442
Conc: 5.29 ug/ml



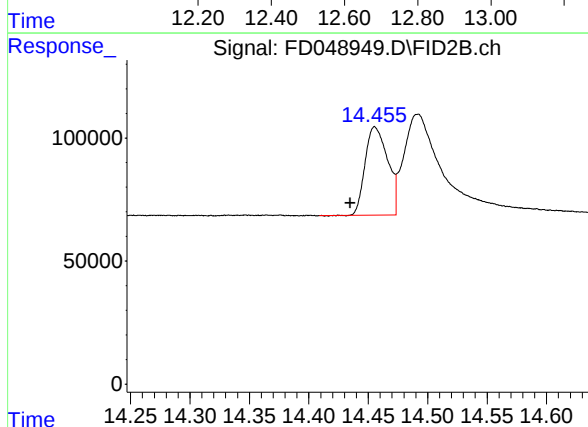
#13 Pyrene (C20.8)

R.T.: 12.579 min
Delta R.T.: 0.014 min
Response: 825951
Conc: 5.45 ug/ml

Instrument : FID_D
ClientSampleId : 5 PPM AROMATIC HC STD5

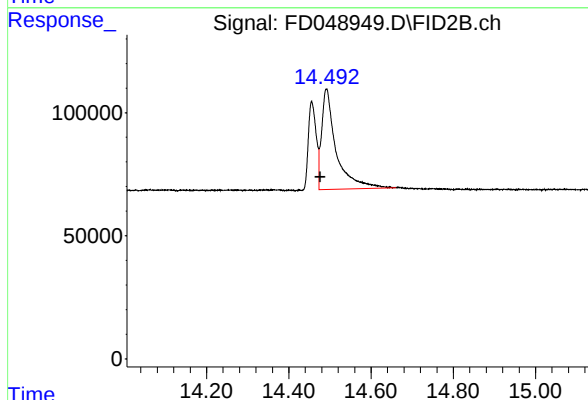
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 01/27/2025
Supervised By :Ankita Jodhani 01/27/2025



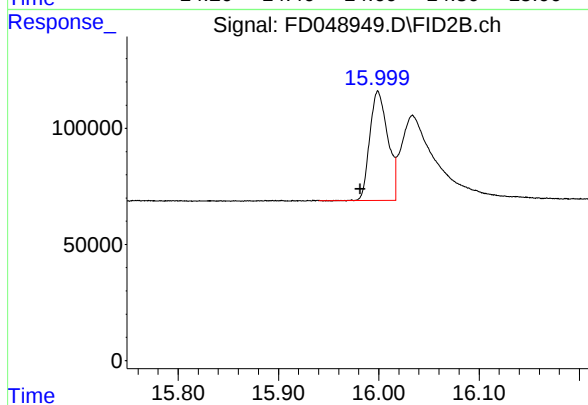
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.456 min
Delta R.T.: 0.021 min
Response: 474873
Conc: 3.53 ug/ml



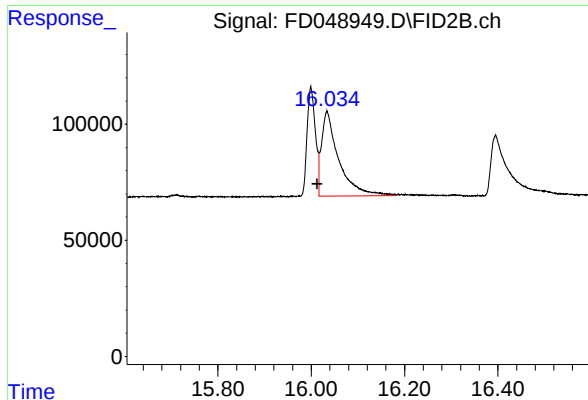
#15 Chrysene (C27.41)

R.T.: 14.492 min
Delta R.T.: 0.015 min
Response: 1000984
Conc: 6.33 ug/ml



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

R.T.: 15.999 min
Delta R.T.: 0.018 min
Response: 587465
Conc: 4.21 ug/ml



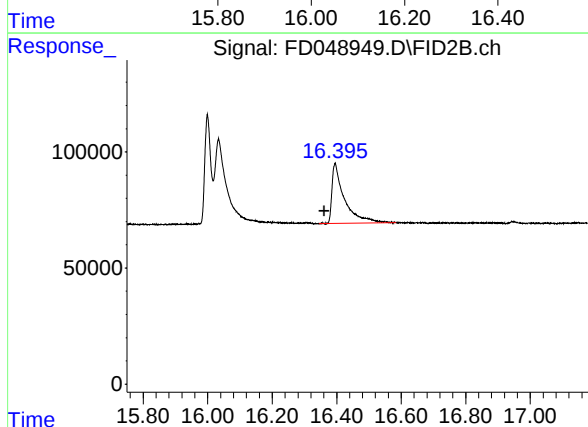
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.034 min
Delta R.T.: 0.021 min
Response: 932809
Conc: 6.09 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5

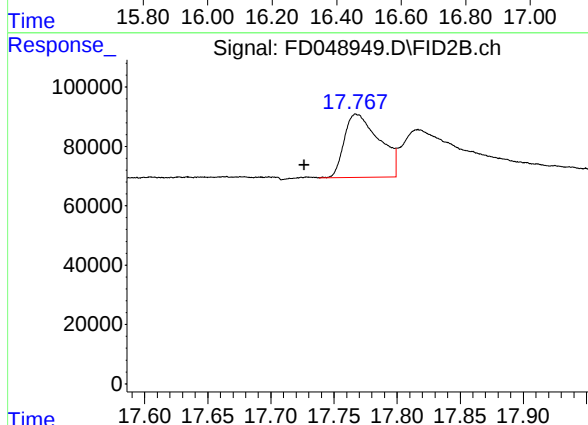
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 01/27/2025
Supervised By :Ankita Jodhani 01/27/2025



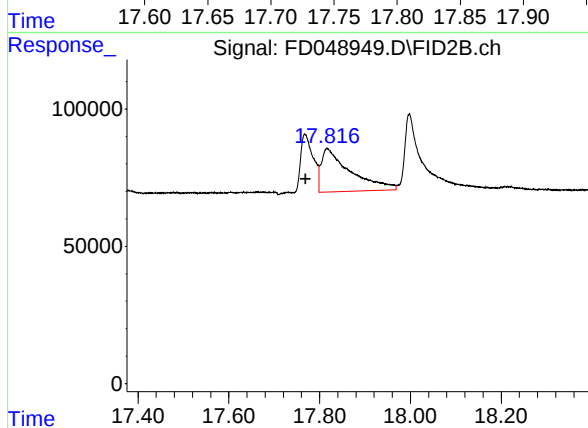
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.395 min
Delta R.T.: 0.033 min
Response: 689943
Conc: 5.07 ug/ml



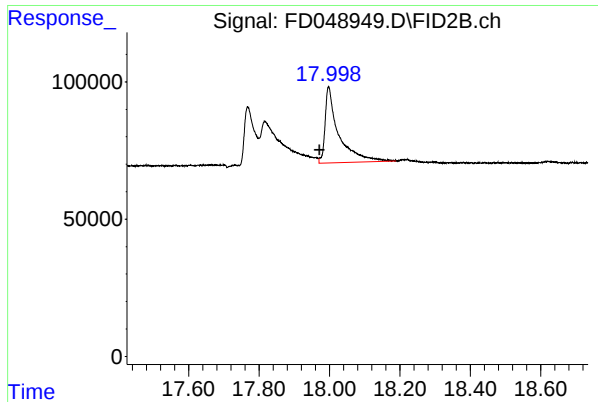
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.768 min
Delta R.T.: 0.041 min
Response: 411157
Conc: 4.14 ug/ml



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

R.T.: 17.816 min
Delta R.T.: 0.047 min
Response: 699298
Conc: 4.82 ug/ml m



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

R.T.: 17.998 min
Delta R.T.: 0.025 min
Response: 746404
Conc: 5.37 ug/ml

Instrument :

FID_D

ClientSampleId :

5 PPM AROMATIC HC STD5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/27/2025
Supervised By :Ankita Jodhani 01/27/2025

rteres

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

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 01/27/2025
Supervised By :Ankita Jodhani 01/27/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD01242
Data File : FD048949.D
Signal(s) : FID2B.ch
Acq On : 24 Jan 2025 11:10
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 012425.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	4.184	4.120	4.304	BB	73910	789589	78.88%	5.095%
2	5.708	5.665	5.864	BB	46903	759669	75.89%	4.902%
3	6.756	6.709	6.927	BV	40283	770079	76.93%	4.969%
4	7.368	7.339	7.504	BB	45492	717868	71.72%	4.632%
5	8.016	7.960	8.144	BB	60468	854846	85.40%	5.516%
6	8.233	8.180	8.285	BV	16107	339783	33.94%	2.192%
7	8.305	8.285	8.435	VB	77409	948275	94.73%	6.119%
8	9.095	9.045	9.240	BB	43393	763400	76.26%	4.926%
9	10.483	10.412	10.545	BV	48278	750630	74.99%	4.843%
10	10.566	10.545	10.742	VB	30142	743883	74.32%	4.800%
11	11.242	11.192	11.340	BB	69350	879266	87.84%	5.673%
12	12.292	12.256	12.465	PB	38358	810442	80.96%	5.229%
13	12.579	12.530	12.740	BB	43505	825951	82.51%	5.329%
14	14.456	14.409	14.473	BV	35912	474873	47.44%	3.064%
15	14.492	14.473	14.660	VB	40862	1000984	100.00%	6.459%
16	15.999	15.940	16.017	BV	47044	587465	58.69%	3.791%
17	16.034	16.017	16.204	VB	36440	919938	91.90%	5.936%
18	16.395	16.345	16.584	BB	25965	689943	68.93%	4.452%
19	17.768	17.738	17.799	PV	21343	411157	41.08%	2.653%
20	17.817	17.799	17.970	VV	15909	713471	71.28%	4.604%
21	17.998	17.970	18.189	VB	27630	746404	74.57%	4.816%
Sum of corrected areas:						15497915		

Aromatic EPH 012425.M Sat Jan 25 03:48:09 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD012425AR\
 Data File : FD048950.D
 Signal(s) : FID2B.ch
 Acq On : 24 Jan 2025 11:46
 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: Jan 25 03:39:54 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 012425.M
 Quant Title : GC Extractables
 QLast Update : Sat Jan 25 03:38:15 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.357	2887094	20.286 ug/ml
Spiked Amount 50.000		Recovery =	40.57%
6) S 2-Fluorobiphenyl (SURR)	8.209	1813337	21.311 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	42.62%
11) S ortho-Terphenyl (SURR)	11.239	3311463	20.136 ug/ml
Spiked Amount 50.000		Recovery =	40.27%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.180	3137844	20.356 ug/ml
2) T Naphthalene (C11.7)	5.698	3187176	20.390 ug/ml
3) T 2-Methylnaphthalene (...)	6.744	3164394	20.398 ug/ml
5) T Acenaphthylene (C15.06)	8.009	3303580	20.200 ug/ml
7) T Acenaphthene (C15.5)	8.302	3339705	19.884 ug/ml
8) T Fluorene (C16.55)	9.082	3225268	20.618 ug/ml
9) T Phenanthrene (C19.36)	10.469	3110469	20.423 ug/ml
10) T Anthracene (C19.43)	10.546	3128088	20.536 ug/ml
12) T Fluoranthene (C21.85)	12.273	3227346	20.518 ug/ml
13) T Pyrene (C20.8)	12.565	3146895	19.976 ug/ml
14) T Benzo[a]anthracene (C...	14.435	2842185	22.087 ug/ml
15) T Chrysene (C27.41)	14.476	3307605	19.560 ug/ml
16) T benzo[b]fluoranthene ...	15.981	2946816	21.568 ug/ml
17) T Bnezo[k]fluoranthene ...	16.013	3210095	19.821 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.362	2755524	19.799 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.727	2116534	20.294 ug/ml
20) T Dibenz[a,h]anthracene...	17.768	3065764	21.476 ug/ml
21) T Benzo[g,h,i]perylene ...	17.973	2893272	20.284 ug/ml

(f)=RT Delta > 1/2 Window

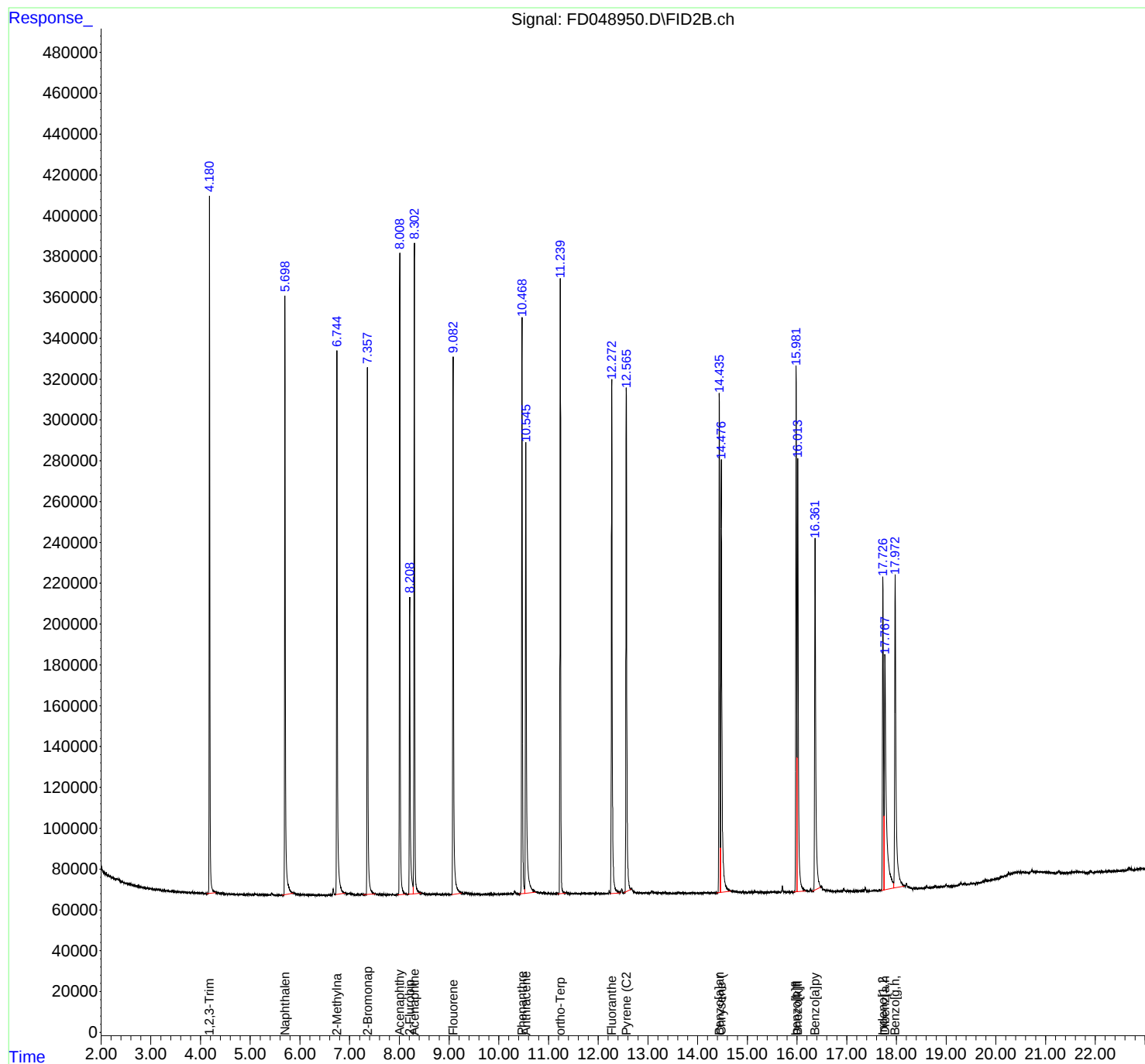
(m)=manual int.

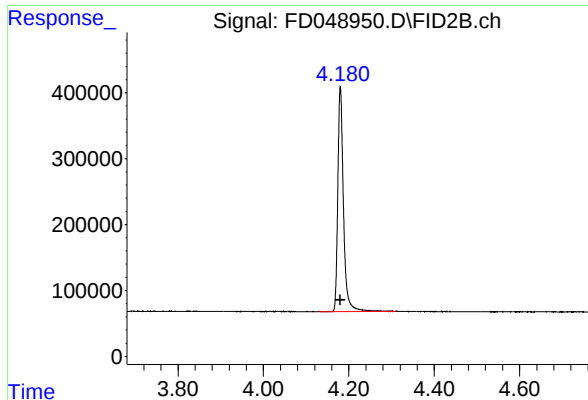
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD012425AR\
Data File : FD048950.D
Signal(s) : FID2B.ch
Acq On : 24 Jan 2025 11:46
Operator : YP/AJ
Sample : 20 PPM AROMATIC HC STD ICV
Misc :
ALS Vial : 66 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD ICV

Integration File: autoint1.e
Quant Time: Jan 25 03:39:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 012425.M
Quant Title : GC Extractables
QLast Update : Sat Jan 25 03:38:15 2025
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)

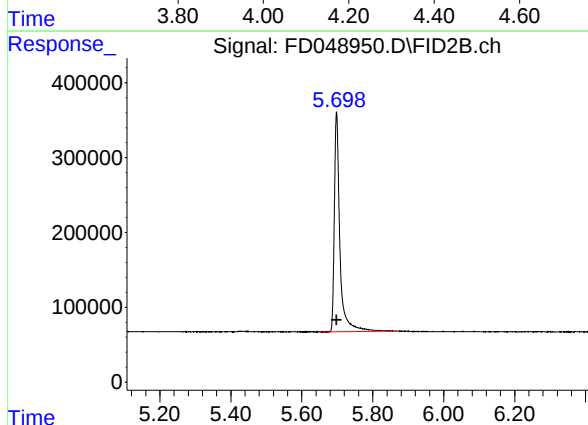
R.T.: 4.180 min
Delta R.T.: 0.000 min
Response: 3137844
Conc: 20.36 ug/ml

Instrument :

FID_D

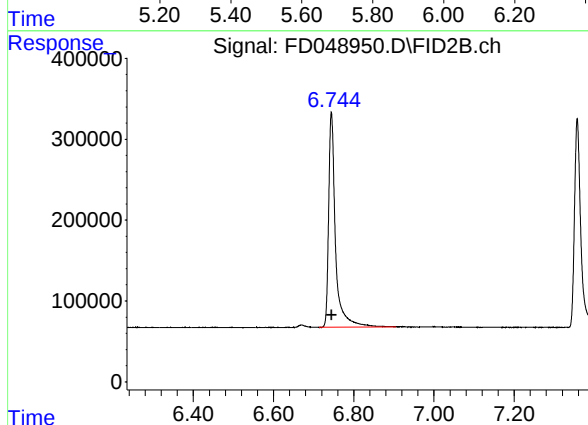
ClientSampleId :

20 PPM AROMATIC HC STD ICV



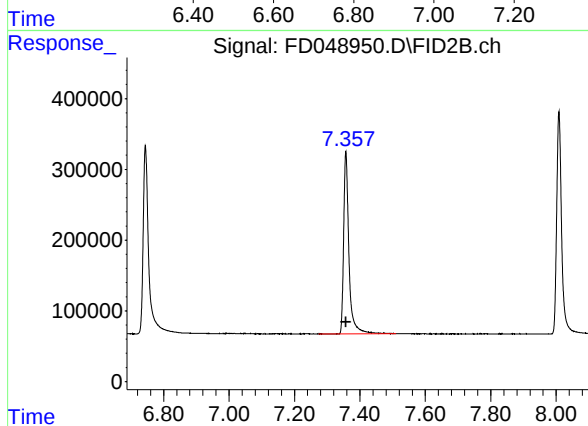
#2 Naphthalene (C11.7)

R.T.: 5.698 min
Delta R.T.: 0.000 min
Response: 3187176
Conc: 20.39 ug/ml



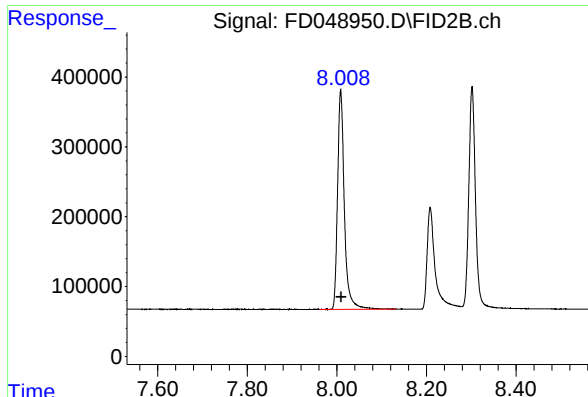
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.744 min
Delta R.T.: 0.000 min
Response: 3164394
Conc: 20.40 ug/ml



#4 2-Bromonaphthalene (SURR)

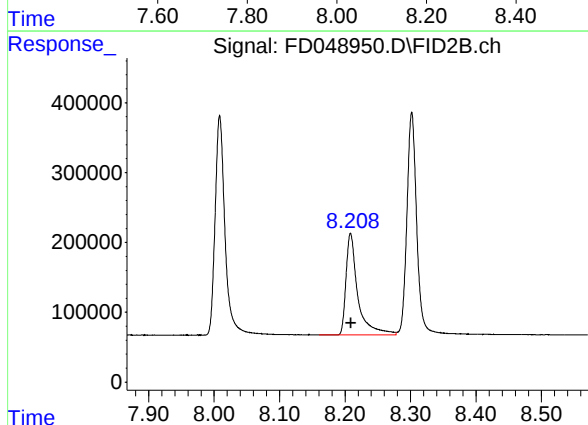
R.T.: 7.357 min
Delta R.T.: 0.000 min
Response: 2887094
Conc: 20.29 ug/ml



#5 Acenaphthylene (C15.06)

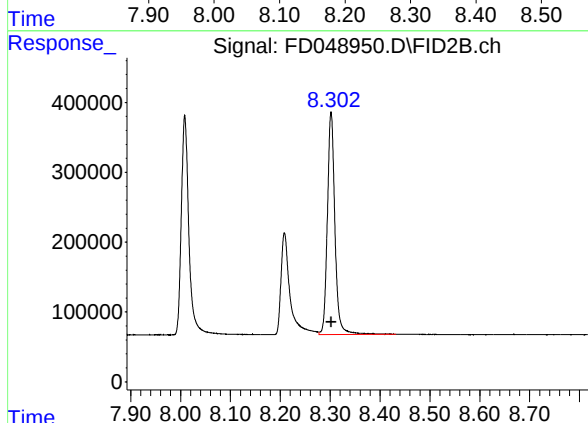
R.T.: 8.009 min
Delta R.T.: 0.000 min
Response: 3303580
Conc: 20.20 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD ICV



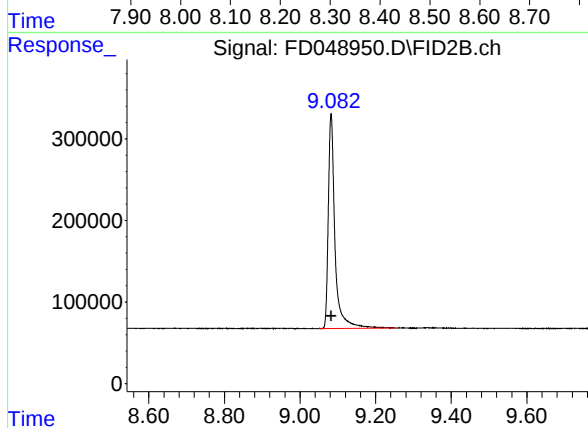
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.209 min
Delta R.T.: 0.000 min
Response: 1813337
Conc: 21.31 ug/ml



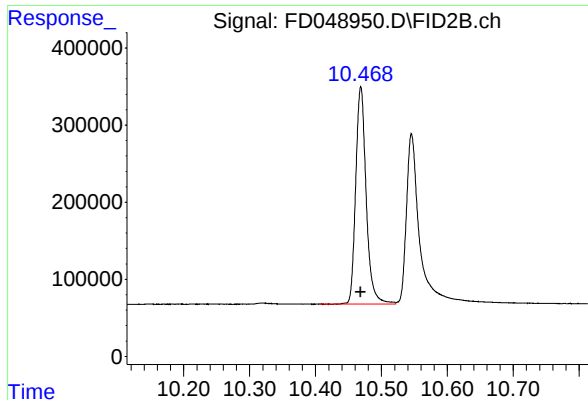
#7 Acenaphthene (C15.5)

R.T.: 8.302 min
Delta R.T.: 0.000 min
Response: 3339705
Conc: 19.88 ug/ml



#8 Fluorene (C16.55)

R.T.: 9.082 min
Delta R.T.: 0.000 min
Response: 3225268
Conc: 20.62 ug/ml



#9 Phenanthrene (C19.36)

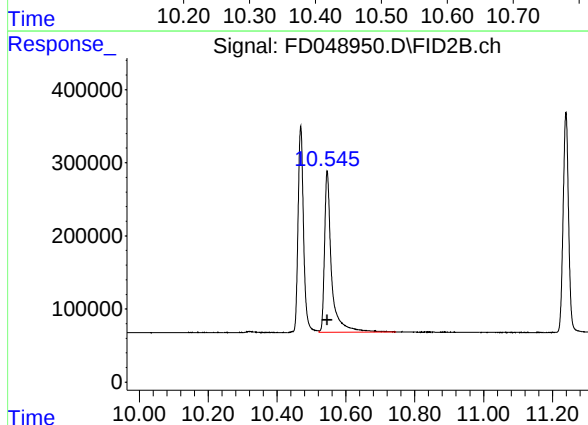
R.T.: 10.469 min
Delta R.T.: 0.000 min
Response: 3110469
Conc: 20.42 ug/ml

Instrument :

FID_D

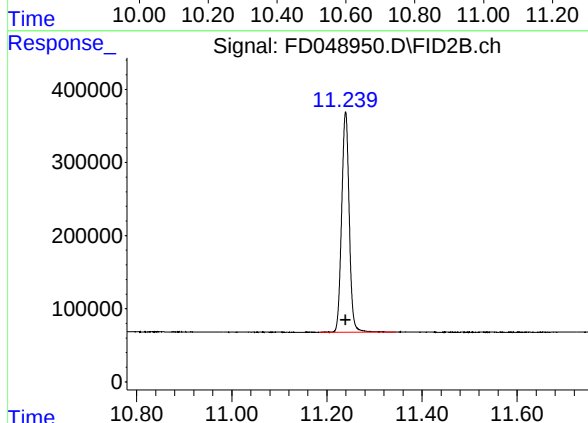
ClientSampleId :

20 PPM AROMATIC HC STD ICV



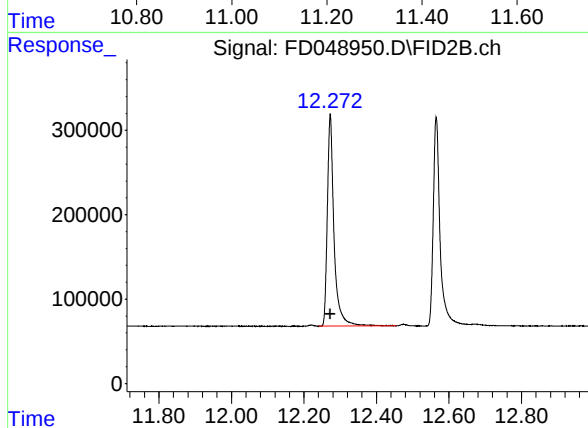
#10 Anthracene (C19.43)

R.T.: 10.546 min
Delta R.T.: 0.000 min
Response: 3128088
Conc: 20.54 ug/ml



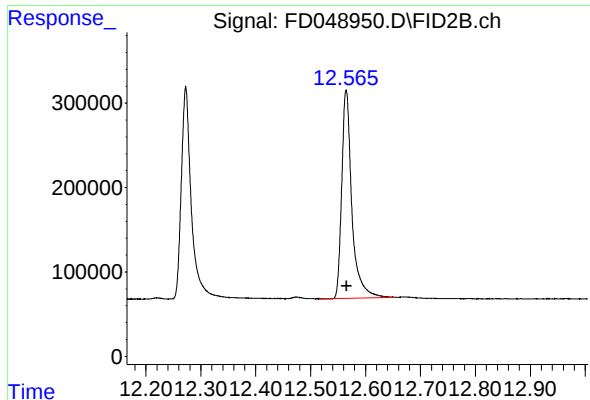
#11 ortho-Terphenyl (SURR)

R.T.: 11.239 min
Delta R.T.: 0.000 min
Response: 3311463
Conc: 20.14 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.273 min
Delta R.T.: 0.000 min
Response: 3227346
Conc: 20.52 ug/ml



#13 Pyrene (C20.8)

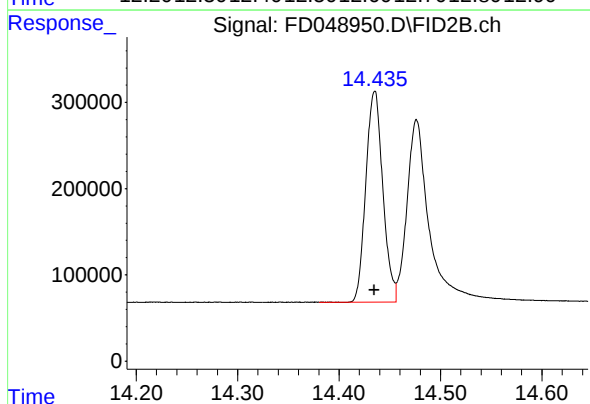
R.T.: 12.565 min
Delta R.T.: 0.000 min
Response: 3146895
Conc: 19.98 ug/ml

Instrument :

FID_D

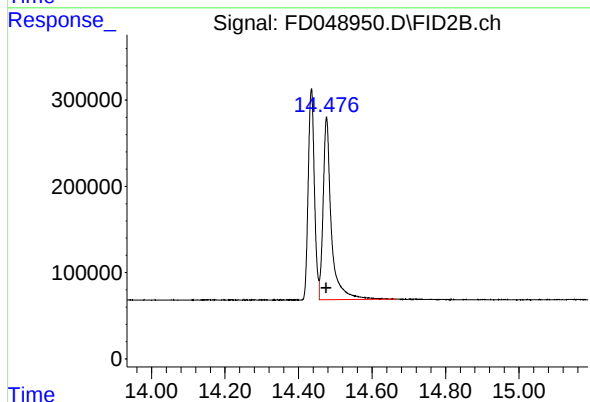
ClientSampleId :

20 PPM AROMATIC HC STD ICV



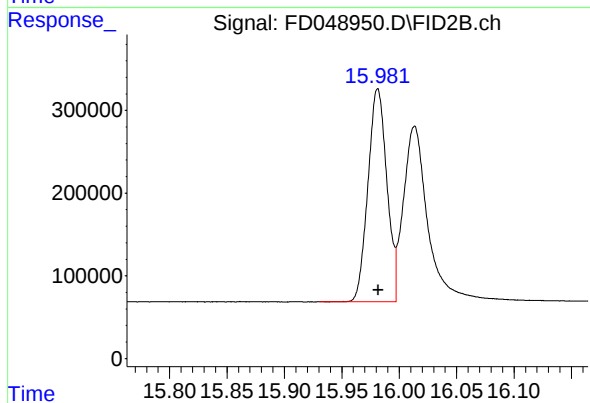
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.435 min
Delta R.T.: 0.000 min
Response: 2842185
Conc: 22.09 ug/ml



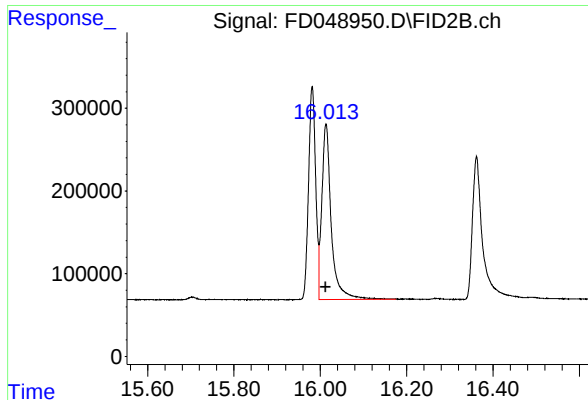
#15 Chrysene (C27.41)

R.T.: 14.476 min
Delta R.T.: 0.000 min
Response: 3307605
Conc: 19.56 ug/ml



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

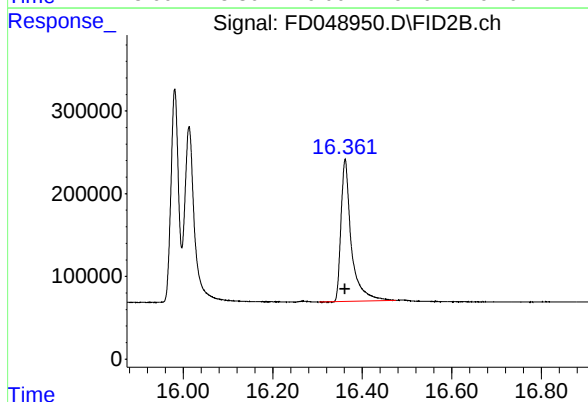
R.T.: 15.981 min
Delta R.T.: 0.000 min
Response: 2946816
Conc: 21.57 ug/ml



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

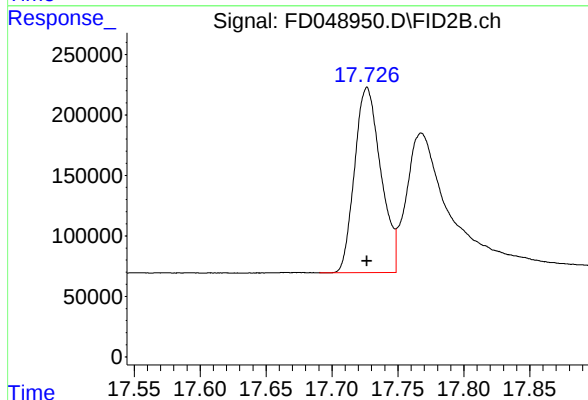
R.T.: 16.013 min
Delta R.T.: 0.000 min
Response: 3210095
Conc: 19.82 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD ICV



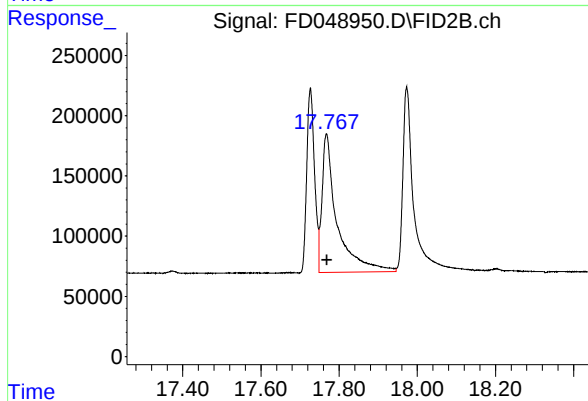
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.362 min
Delta R.T.: 0.000 min
Response: 2755524
Conc: 19.80 ug/ml



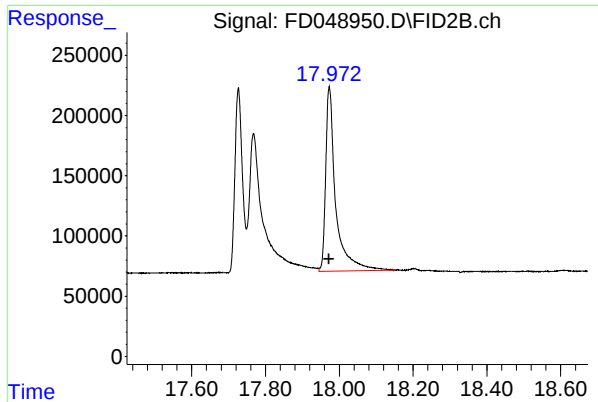
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.727 min
Delta R.T.: 0.000 min
Response: 2116534
Conc: 20.29 ug/ml



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

R.T.: 17.768 min
Delta R.T.: -0.001 min
Response: 3065764
Conc: 21.48 ug/ml



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

R.T.: 17.973 min
Delta R.T.: 0.000 min
Response: 2893272
Conc: 20.28 ug/ml

Instrument :

FID_D

ClientSampleId :

20 PPM AROMATIC HC STD ICV

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD012425AR\
Data File : FD048950.D
Signal(s) : FID2B.ch
Acq On : 24 Jan 2025 11:46
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 012425.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	4.180	4.130	4.310	BB	341313	3137844	93.96%	4.971%
2	5.698	5.649	5.865	BB	292567	3187176	95.43%	5.049%
3	6.744	6.714	6.905	BB	266178	3164394	94.75%	5.013%
4	7.357	7.275	7.510	BB	258041	2887094	86.45%	4.574%
5	8.009	7.960	8.132	BB	313828	3303580	98.92%	5.234%
6	8.209	8.160	8.278	BV	145410	1813337	54.30%	2.873%
7	8.302	8.278	8.432	VB	318754	3339705	100.00%	5.291%
8	9.082	9.050	9.254	BB	263286	3225268	96.57%	5.110%
9	10.469	10.405	10.522	BV	282049	3110469	93.14%	4.928%
10	10.546	10.522	10.745	VB	220641	3128088	93.66%	4.956%
11	11.239	11.184	11.345	BB	301119	3311463	99.15%	5.246%
12	12.273	12.242	12.454	PB	250955	3227346	96.64%	5.113%
13	12.565	12.515	12.655	BV	246736	3146895	94.23%	4.986%
14	14.435	14.380	14.456	BV	244706	2842185	85.10%	4.503%
15	14.476	14.456	14.665	VB	211452	3307605	99.04%	5.240%
16	15.981	15.930	15.997	BV	257651	2946816	88.24%	4.669%
17	16.013	15.997	16.175	VB	212277	3210095	96.12%	5.086%
18	16.362	16.304	16.475	BV	172243	2755524	82.51%	4.366%
19	17.727	17.690	17.749	BV	153458	2116534	63.37%	3.353%
20	17.768	17.749	17.945	VV	115186	3065764	91.80%	4.857%
21	17.973	17.945	18.154	VV	152571	2893272	86.63%	4.584%
Sum of corrected areas:						63120453		

Aromatic EPH 012425.M Sat Jan 25 03:48:24 2025