

Initial Calibration Report for SequenceID : FD042924AR

AreaCount

Parameter Range	FD047607.D	FD047608.D	FD047609.D	FD047610.D	FD047611.D	
Aromatic C10-C12	32248398.000	16307423.000	6615590.000	3482182.000	1633984.000	
Aromatic C12-C16	48702367.000	24608915.000	10020520.000	5330662.000	2471583.000	
Aromatic C16-C21	63000922.000	31703996.000	12774092.000	6745337.000	3177269.000	
Aromatic C21-C36	129548904.000	65506698.000	26710873.000	14063812.000	6509385.000	
Aromatic EPH	273500591.000	138127032.000	56121075.000	29621993.000	13792221.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aromatic C10-C12	165442.694	3.06				
Aromatic C12-C16	167174.051333	3.656				
Aromatic C16-C21	160639.062	2.824				
Aromatic C21-C36	147764.9966662	3.413				
Aromatic EPH	155824.9311108	3.267				

Concentration

Parameter Range	FD047607.D	FD047608.D	FD047609.D	FD047610.D	FD047611.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	FD047607.D	FD047608.D	FD047609.D	FD047610.D	FD047611.D	
Aromatic C10-C12	161241.990000	163074.230000	165389.750000	174109.100000	163398.400000	
Aromatic C12-C16	162341.223333	164059.433333	167008.666666	177688.733333	164772.200000	
Aromatic C16-C21	157502.305000	158519.980000	159676.150000	168633.425000	158863.450000	
Aromatic C21-C36	143943.226666	145570.440000	148393.738888	156264.577777	144653.000000	
Aromatic EPH	151944.772777	153474.480000	155891.875000	164566.627777	153246.900000	

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD042924AR\
 Data File : FD047607.D
 Signal(s) : FID2B.ch
 Acq On : 29 Apr 2024 12:09
 Operator : YP/AJ
 Sample : 100 PPM AROMATIC HC STD1
 Misc :
 ALS Vial : 66 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 100 PPM AROMATIC HC STD1

Integration File: autoint1.e
 Quant Time: Apr 29 16:12:11 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 042924.M
 Quant Title : GC Extractables
 QLast Update : Mon Apr 29 16:08:55 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...	7.466	15255389	98.771 ug/ml
Spiked Amount 50.000		Recovery =	197.54%
6) S 2-Fluorobiphenyl (SURR)	8.321	10409942	99.597 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	199.19%#
11) S ortho-Terphenyl (SURR)	11.362	17830607	98.178 ug/ml
Spiked Amount 50.000		Recovery =	196.36%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.275	15701834	98.628 ug/ml
2) T Naphthalene (C11.7)	5.803	16546564	98.827 ug/ml
3) T 2-Methylnaphthalene (...)	6.854	16695862	99.076 ug/ml
5) T Acenaphthylene (C15.06)	8.124	15588878	97.797 ug/ml
7) T Acenaphthene (C15.5)	8.422	16417627	98.837 ug/ml
8) T Flouorene (C16.55)	9.200	16298809	99.135 ug/ml
9) T Phenanthrene (C19.36)	10.591	16162347	99.605 ug/ml
10) T Anthracene (C19.43)	10.667	14774122	99.535 ug/ml
12) T Fluoranthene (C21.85)	12.400	16175554	98.878 ug/ml
13) T Pyrene (C20.8)	12.695	15765644	98.999 ug/ml
14) T Benzo[a]anthracene (C...	14.562	14475131	99.202 ug/ml
15) T Chrysene (C27.41)	14.610	15170887	98.055 ug/ml
16) T benzo[b]fluoranthene ...	16.111	14712904	98.975 ug/ml
17) T Bnezo[k]fluoranthene ...	16.151	14334498	98.120 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.490	14080058	98.326 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.855	14039564	101.543 ug/ml
20) T Dibenz[a,h]anthracene...	17.895	13040543	97.046 ug/ml
21) T Benzo[g,h,i]perylene ...	18.113	13519765	98.624 ug/ml

(f)=RT Delta > 1/2 Window

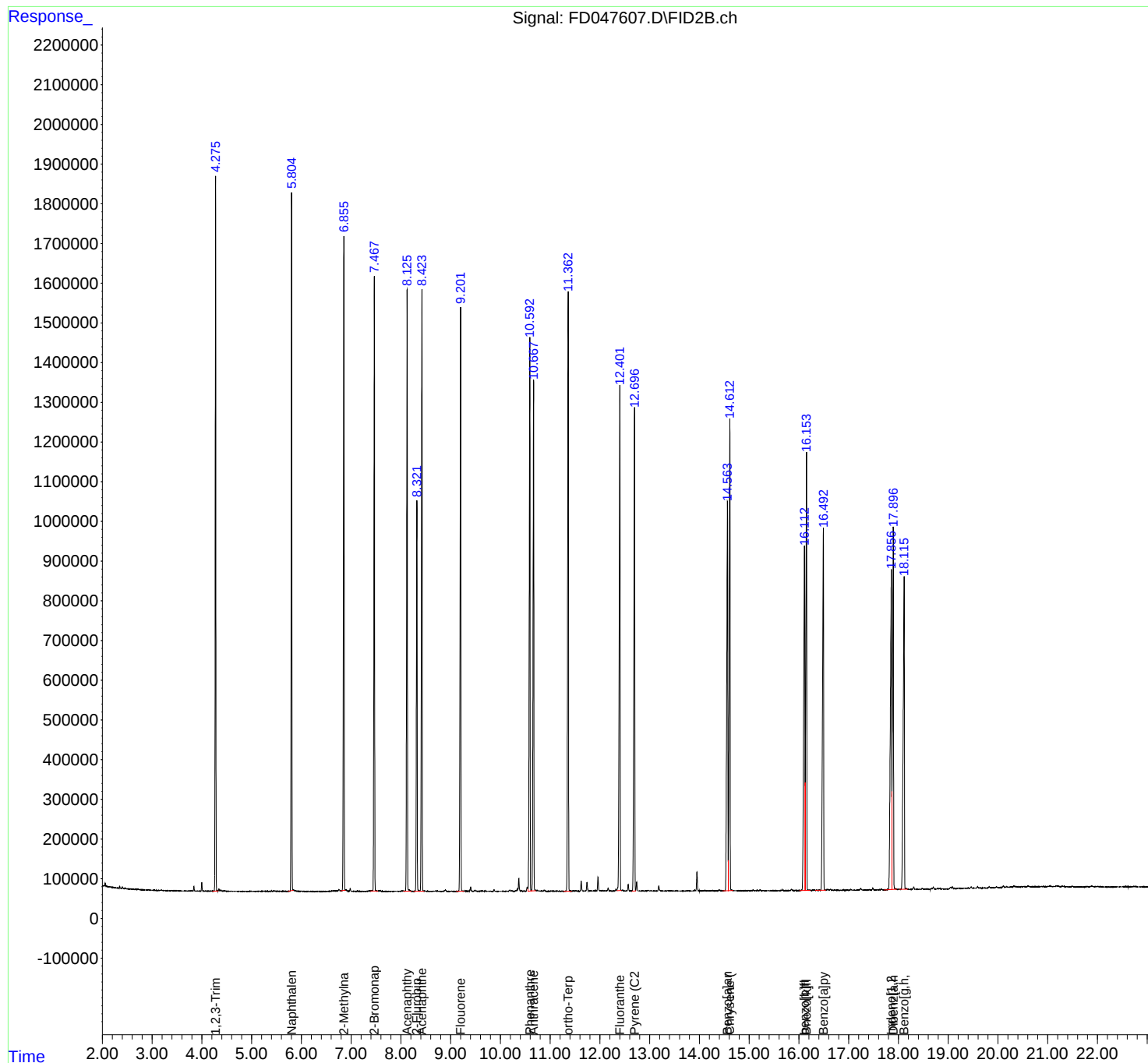
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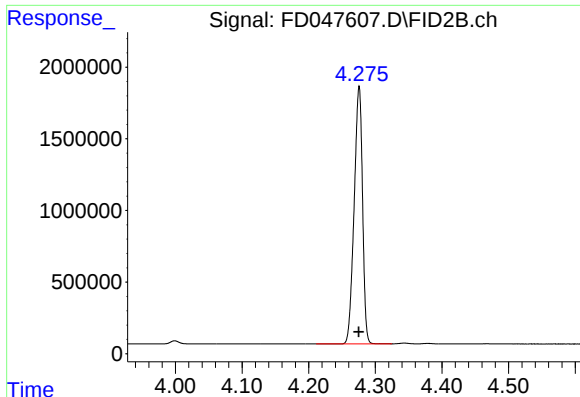
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD042924AR\
Data File : FD047607.D
Signal(s) : FID2B.ch
Acq On : 29 Apr 2024 12:09
Operator : YP/AJ
Sample : 100 PPM AROMATIC HC STD1
Misc :
ALS Vial : 66 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
100 PPM AROMATIC HC STD1

Integration File: autoint1.e
Quant Time: Apr 29 16:12:11 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 042924.M
Quant Title : GC Extractables
QLast Update : Mon Apr 29 16:08:55 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)

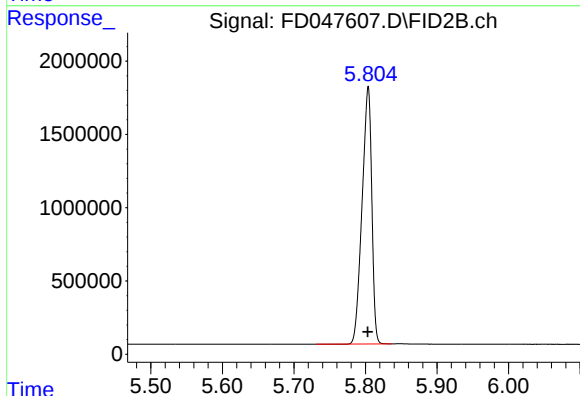
R.T.: 4.275 min
Delta R.T.: 0.000 min
Response: 15701834
Conc: 98.63 ug/ml

Instrument :

FID_D

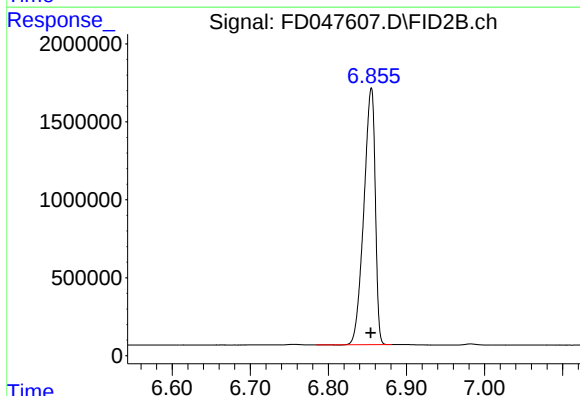
ClientSampleId :

100 PPM AROMATIC HC STD1



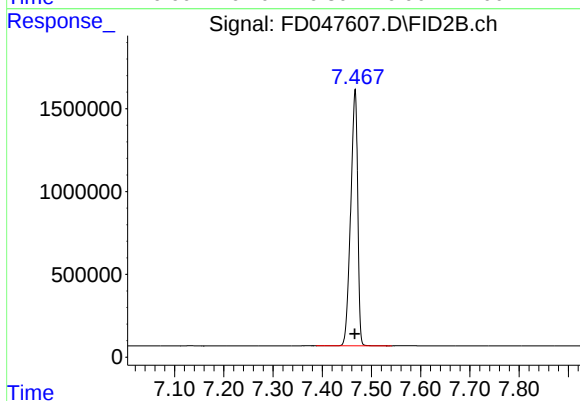
#2 Naphthalene (C11.7)

R.T.: 5.803 min
Delta R.T.: 0.000 min
Response: 16546564
Conc: 98.83 ug/ml



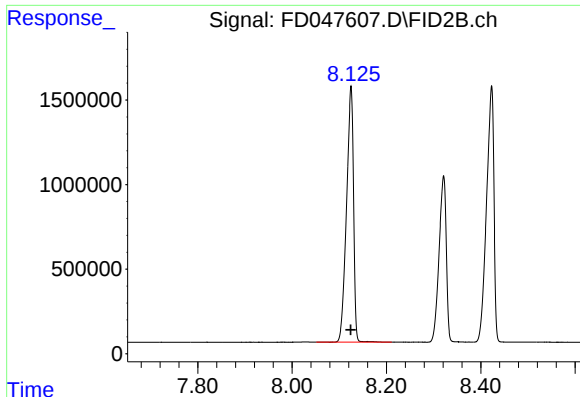
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.854 min
Delta R.T.: 0.000 min
Response: 16695862
Conc: 99.08 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.466 min
Delta R.T.: 0.000 min
Response: 15255389
Conc: 98.77 ug/ml



#5 Acenaphthylene (C15.06)

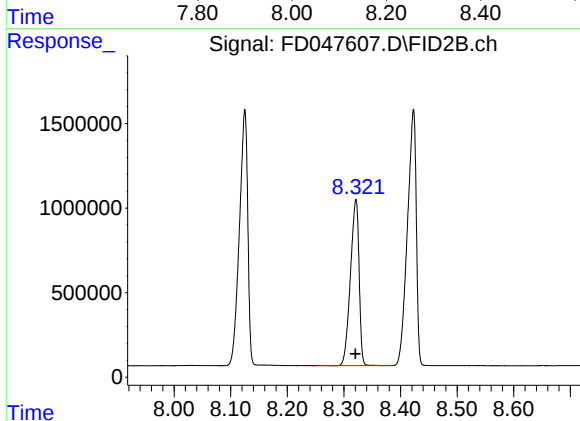
R.T.: 8.124 min
Delta R.T.: 0.000 min
Response: 15588878
Conc: 97.80 ug/ml

Instrument :

FID_D

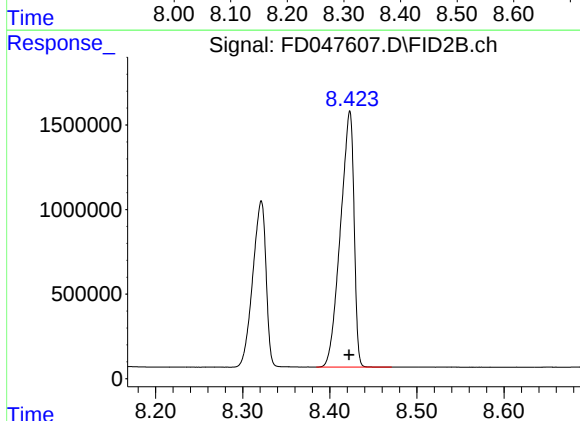
ClientSampleId :

100 PPM AROMATIC HC STD1



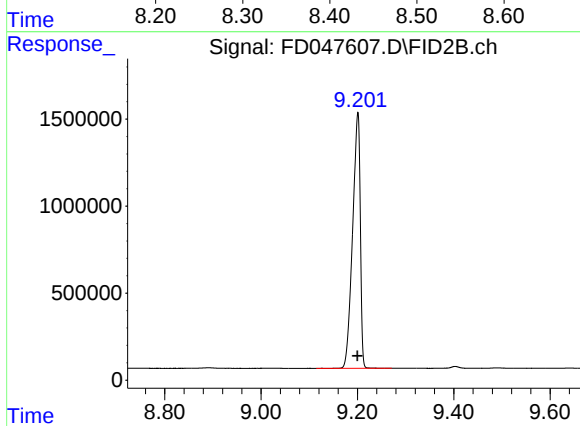
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.321 min
Delta R.T.: 0.000 min
Response: 10409942
Conc: 99.60 ug/ml



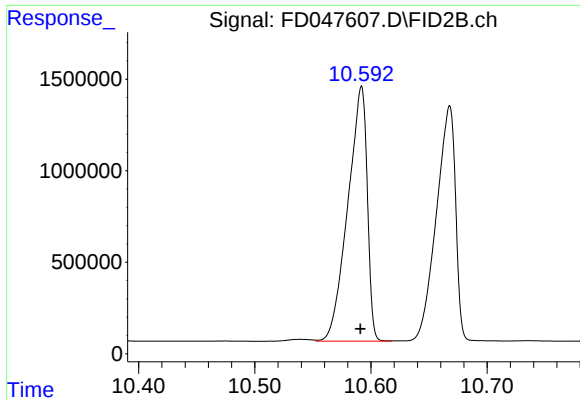
#7 Acenaphthene (C15.5)

R.T.: 8.422 min
Delta R.T.: 0.000 min
Response: 16417627
Conc: 98.84 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.200 min
Delta R.T.: 0.000 min
Response: 16298809
Conc: 99.14 ug/ml



#9 Phenanthrene (C19.36)

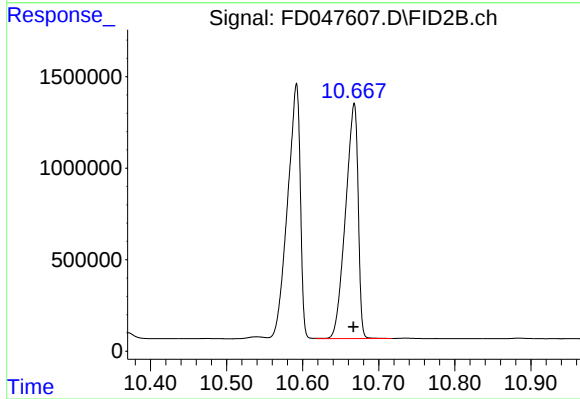
R.T.: 10.591 min
Delta R.T.: 0.000 min
Response: 16162347
Conc: 99.61 ug/ml

Instrument :

FID_D

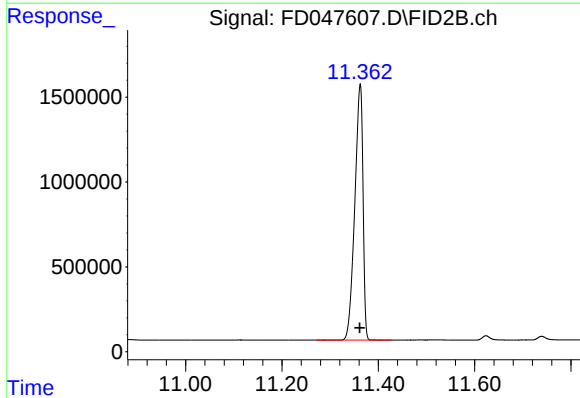
ClientSampleId :

100 PPM AROMATIC HC STD1



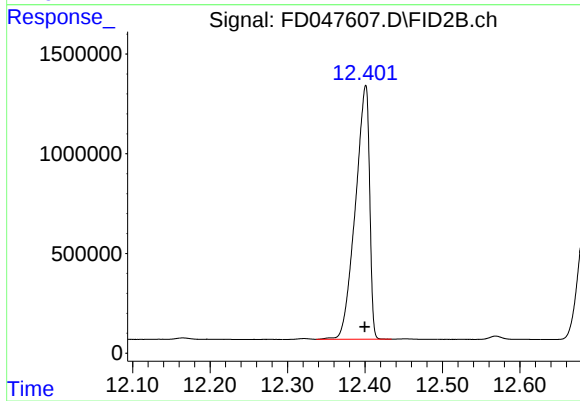
#10 Anthracene (C19.43)

R.T.: 10.667 min
Delta R.T.: 0.000 min
Response: 14774122
Conc: 99.53 ug/ml



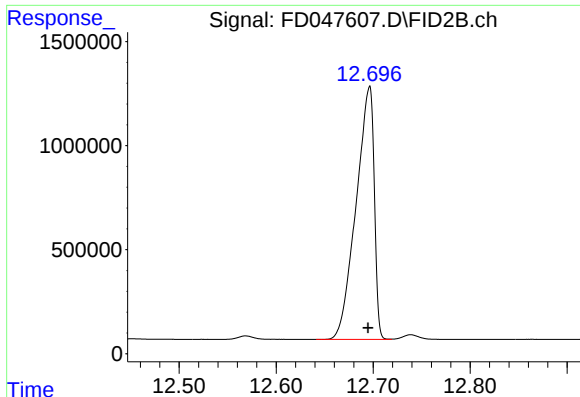
#11 ortho-Terphenyl (SURR)

R.T.: 11.362 min
Delta R.T.: 0.000 min
Response: 17830607
Conc: 98.18 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.400 min
Delta R.T.: 0.000 min
Response: 16175554
Conc: 98.88 ug/ml



#13 Pyrene (C20.8)

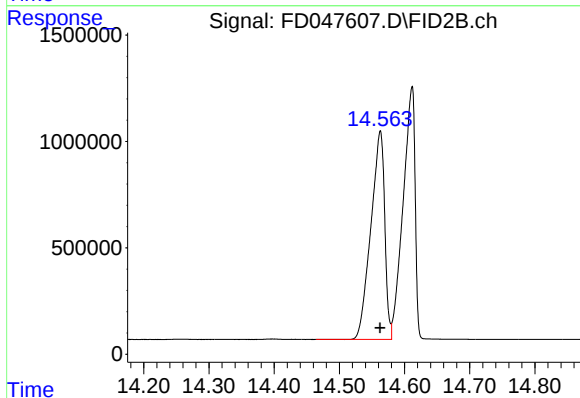
R.T.: 12.695 min
Delta R.T.: 0.000 min
Response: 15765644
Conc: 99.00 ug/ml

Instrument :

FID_D

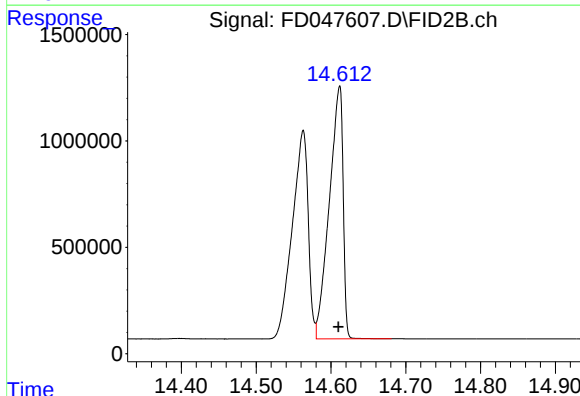
ClientSampleId :

100 PPM AROMATIC HC STD1



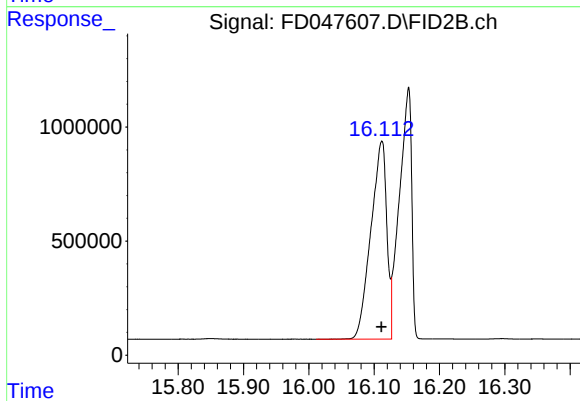
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.562 min
Delta R.T.: 0.000 min
Response: 14475131
Conc: 99.20 ug/ml



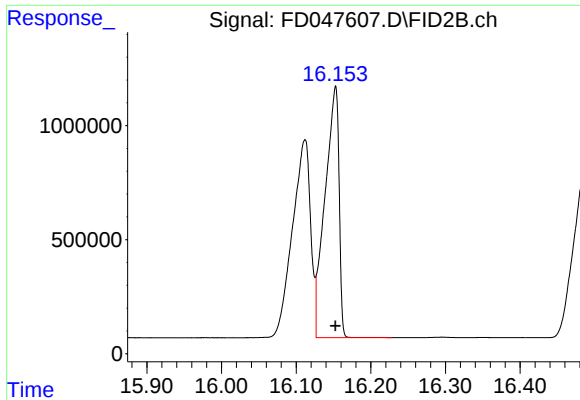
#15 Chrysene (C27.41)

R.T.: 14.610 min
Delta R.T.: 0.000 min
Response: 15170887
Conc: 98.06 ug/ml



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

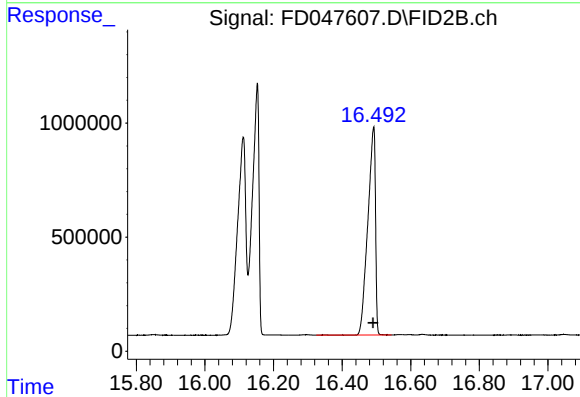
R.T.: 16.111 min
Delta R.T.: 0.000 min
Response: 14712904
Conc: 98.97 ug/ml



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

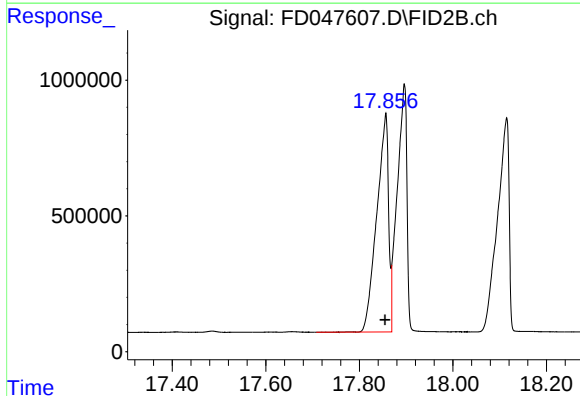
R.T.: 16.151 min
Delta R.T.: -0.001 min
Response: 14334498
Conc: 98.12 ug/ml

Instrument :
FID_D
ClientSampleId :
100 PPM AROMATIC HC STD1



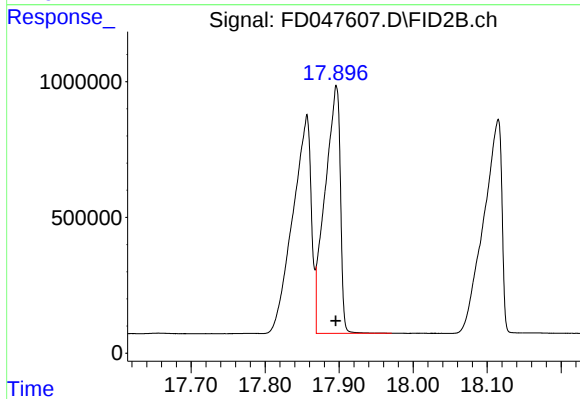
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.490 min
Delta R.T.: 0.000 min
Response: 14080058
Conc: 98.33 ug/ml



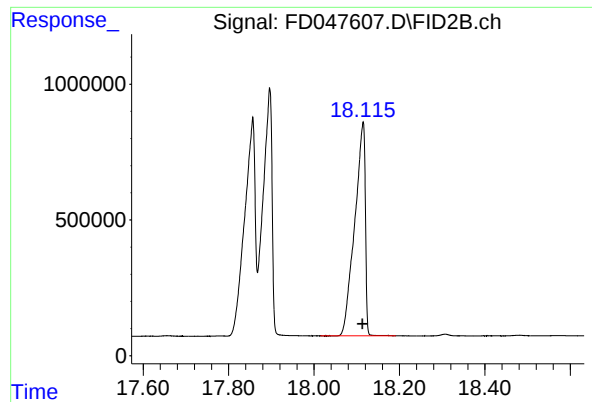
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.855 min
Delta R.T.: 0.000 min
Response: 14039564
Conc: 101.54 ug/ml



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

R.T.: 17.895 min
Delta R.T.: 0.000 min
Response: 13040543
Conc: 97.05 ug/ml



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

R.T.: 18.113 min
Delta R.T.: 0.000 min
Response: 13519765
Conc: 98.62 ug/ml

Instrument :
FID_D
ClientSampleId :
100 PPM AROMATIC HC STD1

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD042924AR\
Data File : FD047607.D
Signal(s) : FID2B.ch
Acq On : 29 Apr 2024 12:09
Sample : 100 PPM AROMATIC HC STD1
Misc :
ALS Vial : 66 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 042924.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	4.275	4.211	4.324	BV	1774456	15701834	88.06%	4.953%
2	5.803	5.731	5.837	BV	1783390	16546564	92.80%	5.220%
3	6.854	6.784	6.881	BV	1649940	16695862	93.64%	5.267%
4	7.466	7.388	7.541	BB	1576500	15255389	85.56%	4.812%
5	8.124	8.051	8.211	BB	1511903	15588878	87.43%	4.918%
6	8.321	8.251	8.384	BV	986907	10409942	58.38%	3.284%
7	8.422	8.384	8.471	VB	1481454	16417627	92.08%	5.179%
8	9.200	9.114	9.271	BB	1492819	16298809	91.41%	5.142%
9	10.591	10.553	10.618	VV	1390897	16162347	90.64%	5.099%
10	10.667	10.618	10.717	VV	1300238	14774122	82.86%	4.661%
11	11.362	11.271	11.428	BB	1497555	17830607	100.00%	5.625%
12	12.400	12.337	12.434	VV	1300553	16175554	90.72%	5.103%
13	12.695	12.641	12.719	BV	1197185	15765644	88.42%	4.973%
14	14.562	14.464	14.580	BV	971626	14475131	81.18%	4.566%
15	14.610	14.580	14.681	VB	1196546	15170887	85.08%	4.786%
16	16.111	16.011	16.127	BV	869151	14712904	82.51%	4.641%
17	16.151	16.127	16.228	VB	1082237	14334498	80.39%	4.522%
18	16.490	16.324	16.544	BV	912635	14080058	78.97%	4.442%
19	17.855	17.708	17.869	BV	781533	14039564	78.74%	4.429%
20	17.895	17.869	17.971	VB	897534	13040543	73.14%	4.114%
21	18.113	18.014	18.191	BB	790605	13519765	75.82%	4.265%
Sum of corrected areas:						316996527		

Aromatic EPH 042924.M Mon Apr 29 17:14:07 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD042924AR\
 Data File : FD047608.D
 Signal(s) : FID2B.ch
 Acq On : 29 Apr 2024 13:10
 Operator : YP/AJ
 Sample : 50 PPM AROMATIC HC STD2
 Misc :
 ALS Vial : 67 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 50 PPM AROMATIC HC STD2

Integration File: autoint1.e
 Quant Time: Apr 29 16:13:58 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 042924.M
 Quant Title : GC Extractables
 QLast Update : Mon Apr 29 16:08:55 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...	7.461	7674714	49.793 ug/ml
Spiked Amount 50.000		Recovery =	99.59%
6) S 2-Fluorobiphenyl (SURR)	8.315	5222571	49.978 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	99.96%
11) S ortho-Terphenyl (SURR)	11.356	9010673	49.742 ug/ml
Spiked Amount 50.000		Recovery =	99.48%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.271	7929451	49.872 ug/ml
2) T Naphthalene (C11.7)	5.798	8377972	50.026 ug/ml
3) T 2-Methylnaphthalene (...)	6.848	8446067	50.080 ug/ml
5) T Acenaphthylene (C15.06)	8.118	7897716	49.697 ug/ml
7) T Acenaphthene (C15.5)	8.415	8265132	49.838 ug/ml
8) T Flouorene (C16.55)	9.193	8188532	49.870 ug/ml
9) T Phenanthrene (C19.36)	10.584	8172130	50.242 ug/ml
10) T Anthracene (C19.43)	10.659	7411009	49.952 ug/ml
12) T Fluoranthene (C21.85)	12.391	8139144	49.835 ug/ml
13) T Pyrene (C20.8)	12.686	7932325	49.873 ug/ml
14) T Benzo[a]anthracene (C...	14.554	7278914	49.923 ug/ml
15) T Chrysene (C27.41)	14.597	7691371	49.808 ug/ml
16) T benzo[b]fluoranthene ...	16.100	7390957	49.813 ug/ml
17) T Bnezo[k]fluoranthene ...	16.137	7292770	49.746 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.478	7126123	49.843 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.841	6885879	49.869 ug/ml
20) T Dibenz[a,h]anthracene...	17.880	6839242	49.918 ug/ml
21) T Benzo[g,h,i]perylene ...	18.096	6862298	50.039 ug/ml

(f)=RT Delta > 1/2 Window

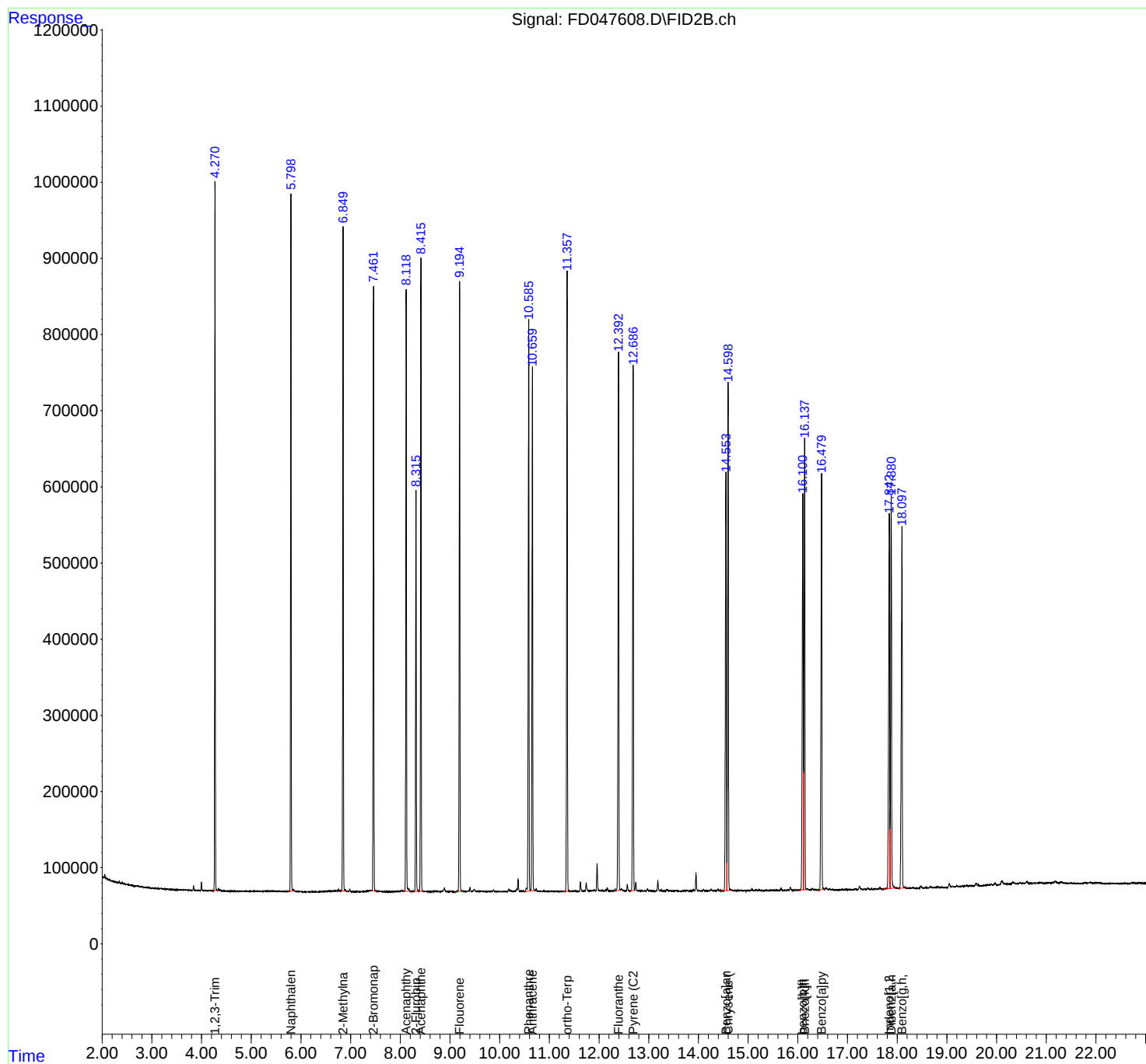
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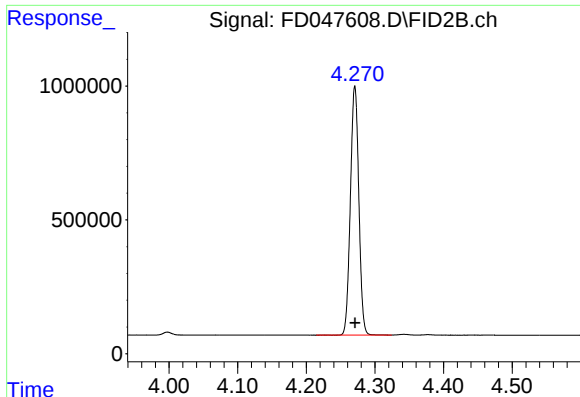
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD042924AR\
Data File : FD047608.D
Signal(s) : FID2B.ch
Acq On : 29 Apr 2024 13:10
Operator : YP/AJ
Sample : 50 PPM AROMATIC HC STD2
Misc :
ALS Vial : 67 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2

Integration File: autoint1.e
Quant Time: Apr 29 16:13:58 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 042924.M
Quant Title : GC Extractables
QLast Update : Mon Apr 29 16:08:55 2024
Response via : Initial Calibration
Integrator: ChemStation

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

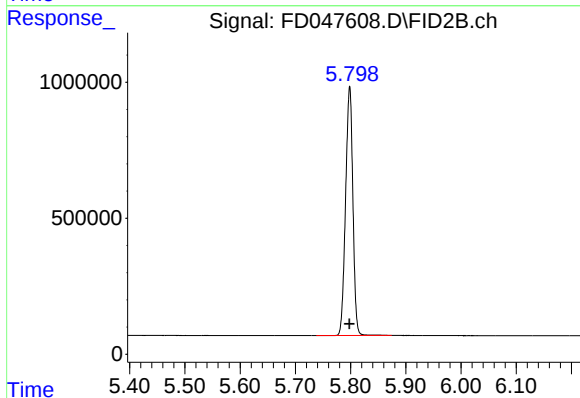




#1 1,2,3-Trimethylbenzene (C10.1)

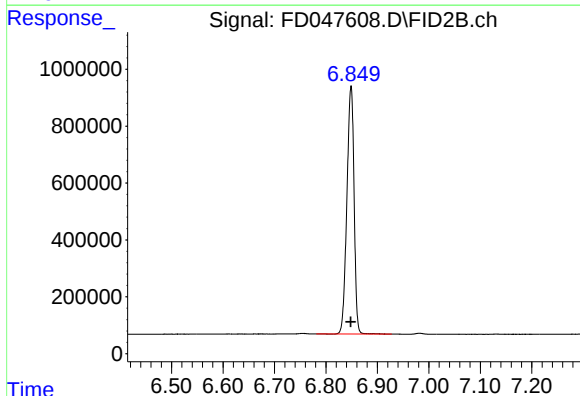
R.T.: 4.271 min
Delta R.T.: 0.000 min
Response: 7929451
Conc: 49.87 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2



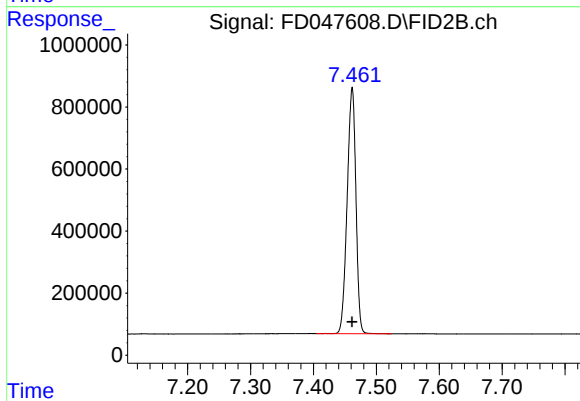
#2 Naphthalene (C11.7)

R.T.: 5.798 min
Delta R.T.: 0.000 min
Response: 8377972
Conc: 50.03 ug/ml



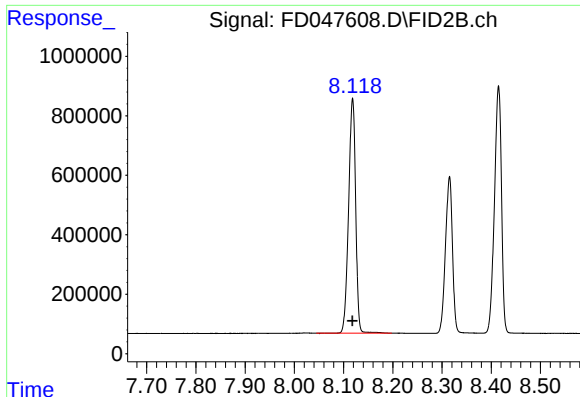
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.848 min
Delta R.T.: 0.000 min
Response: 8446067
Conc: 50.08 ug/ml



#4 2-Bromonaphthalene (SURR)

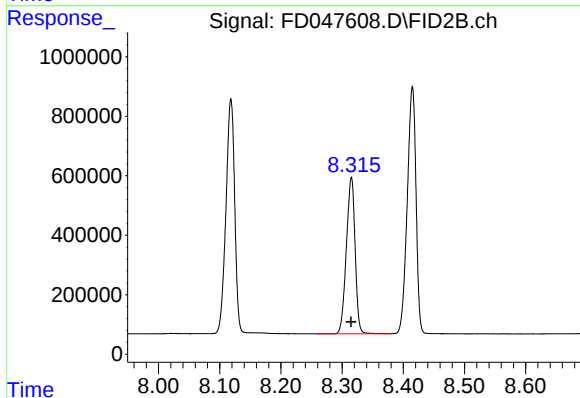
R.T.: 7.461 min
Delta R.T.: 0.000 min
Response: 7674714
Conc: 49.79 ug/ml



#5 Acenaphthylene (C15.06)

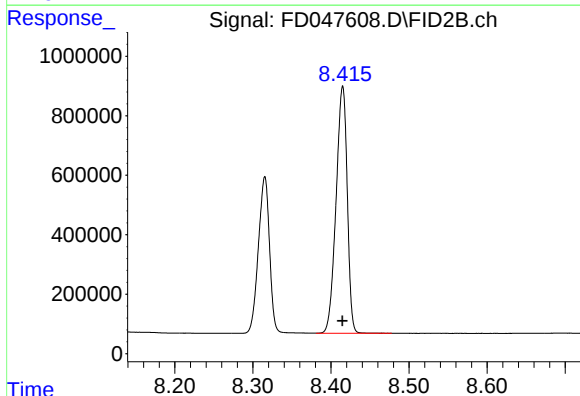
R.T.: 8.118 min
Delta R.T.: 0.000 min
Response: 7897716
Conc: 49.70 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2



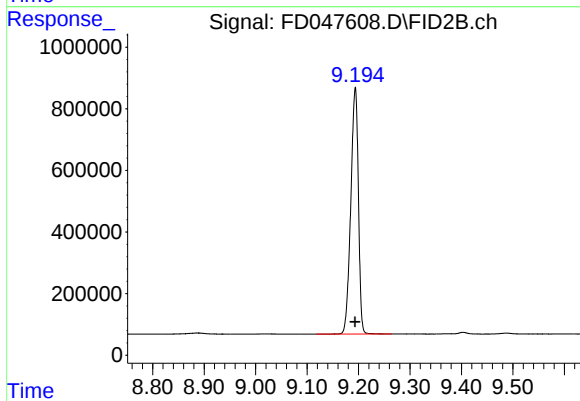
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.315 min
Delta R.T.: 0.000 min
Response: 5222571
Conc: 49.98 ug/ml



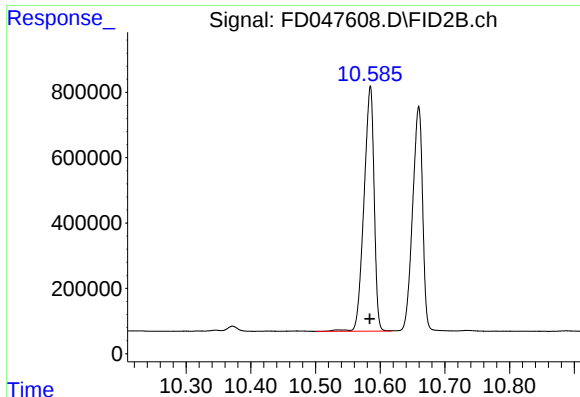
#7 Acenaphthene (C15.5)

R.T.: 8.415 min
Delta R.T.: 0.000 min
Response: 8265132
Conc: 49.84 ug/ml



#8 Fluorene (C16.55)

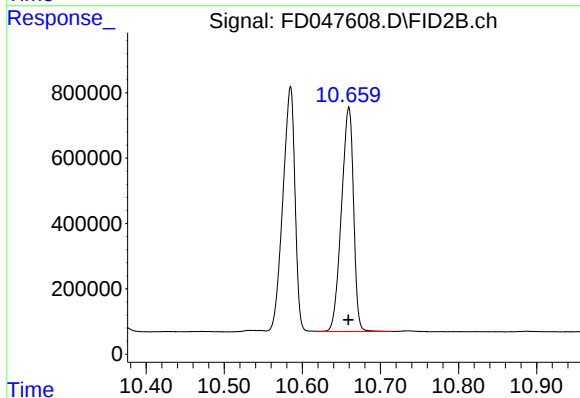
R.T.: 9.193 min
Delta R.T.: 0.000 min
Response: 8188532
Conc: 49.87 ug/ml



#9 Phenanthrene (C19.36)

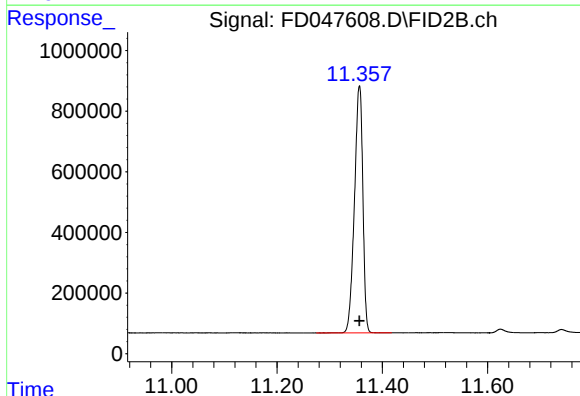
R.T.: 10.584 min
Delta R.T.: 0.000 min
Response: 8172130
Conc: 50.24 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2



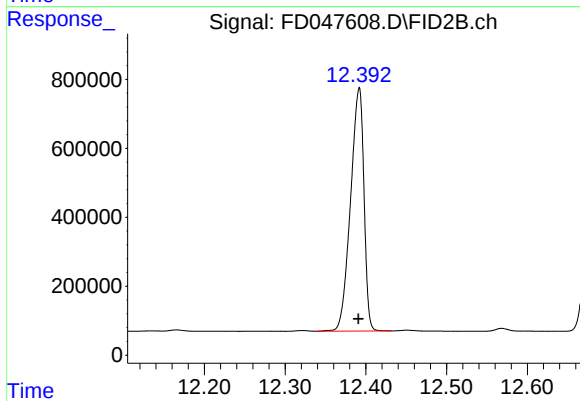
#10 Anthracene (C19.43)

R.T.: 10.659 min
Delta R.T.: 0.000 min
Response: 7411009
Conc: 49.95 ug/ml



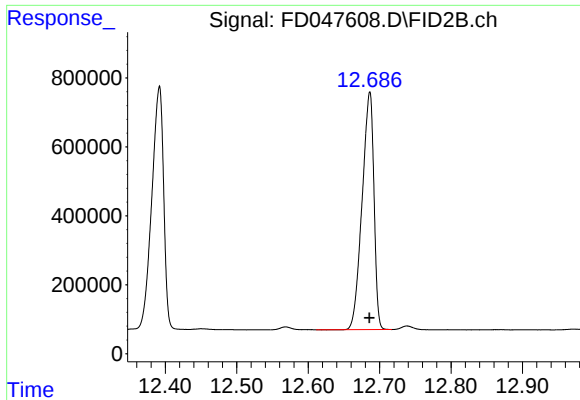
#11 ortho-Terphenyl (SURR)

R.T.: 11.356 min
Delta R.T.: 0.000 min
Response: 9010673
Conc: 49.74 ug/ml



#12 Fluoranthene (C21.85)

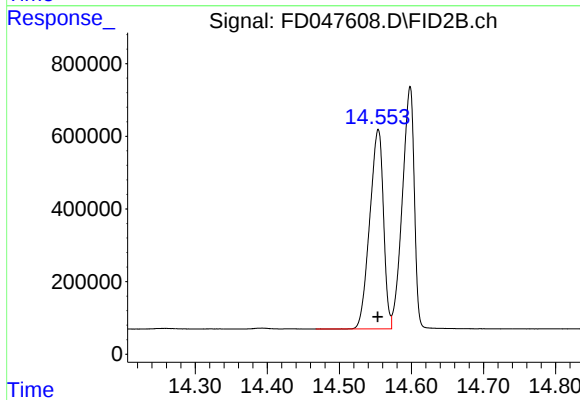
R.T.: 12.391 min
Delta R.T.: 0.000 min
Response: 8139144
Conc: 49.84 ug/ml



#13 Pyrene (C20.8)

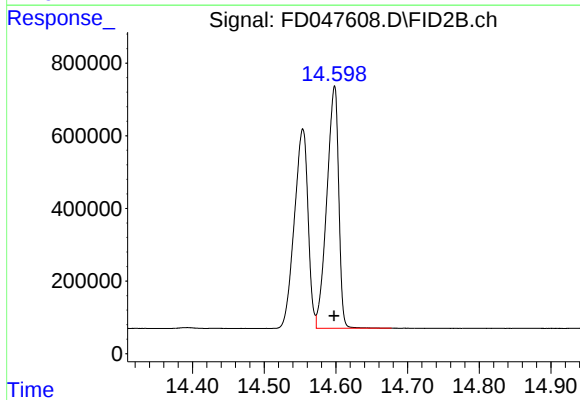
R.T.: 12.686 min
Delta R.T.: 0.000 min
Response: 7932325
Conc: 49.87 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2



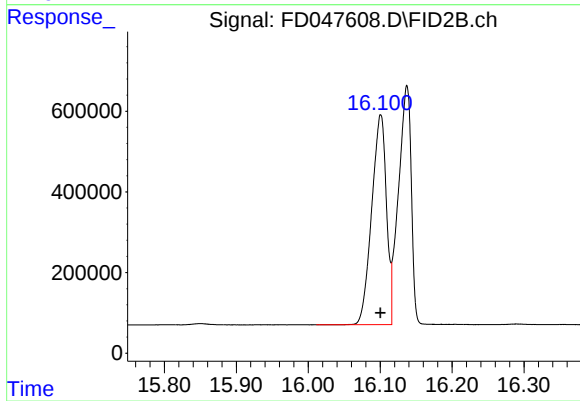
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.554 min
Delta R.T.: 0.000 min
Response: 7278914
Conc: 49.92 ug/ml



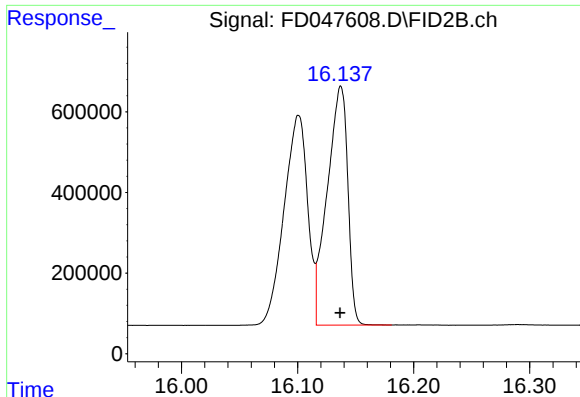
#15 Chrysene (C27.41)

R.T.: 14.597 min
Delta R.T.: 0.000 min
Response: 7691371
Conc: 49.81 ug/ml



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

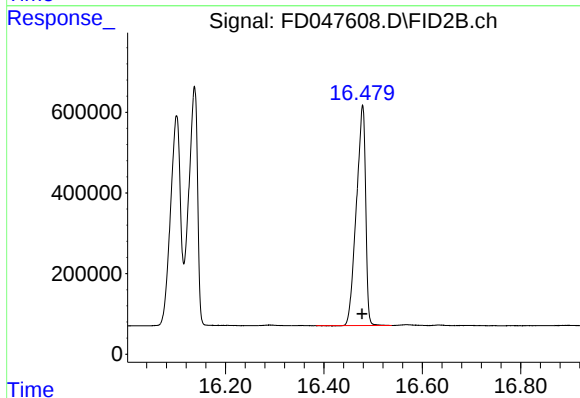
R.T.: 16.100 min
Delta R.T.: 0.000 min
Response: 7390957
Conc: 49.81 ug/ml



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

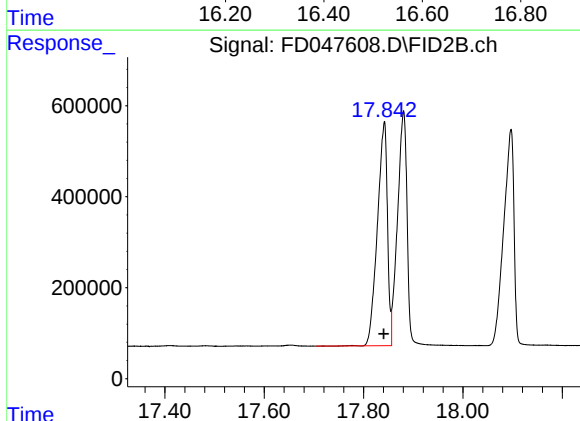
R.T.: 16.137 min
Delta R.T.: 0.000 min
Response: 7292770
Conc: 49.75 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2



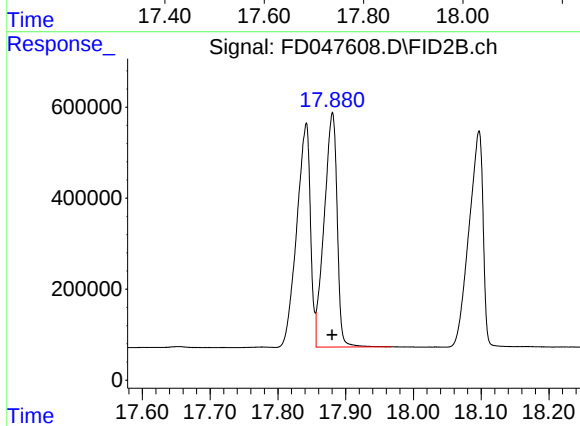
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.478 min
Delta R.T.: 0.000 min
Response: 7126123
Conc: 49.84 ug/ml



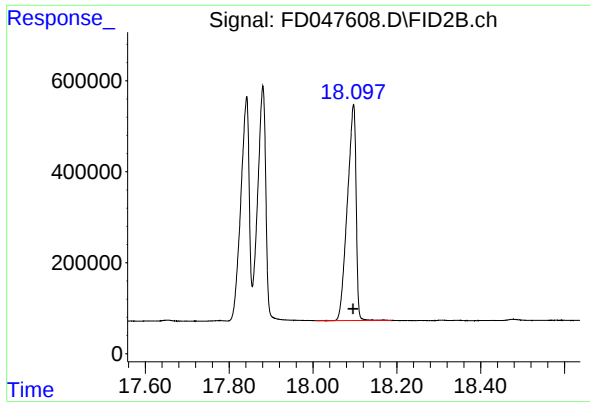
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.841 min
Delta R.T.: 0.000 min
Response: 6885879
Conc: 49.87 ug/ml



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

R.T.: 17.880 min
Delta R.T.: 0.000 min
Response: 6839242
Conc: 49.92 ug/ml



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

R.T.: 18.096 min
Delta R.T.: 0.000 min
Response: 6862298
Conc: 50.04 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD042924AR\
Data File : FD047608.D
Signal(s) : FID2B.ch
Acq On : 29 Apr 2024 13:10
Sample : 50 PPM AROMATIC HC STD2
Misc :
ALS Vial : 67 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 042924.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	4.271	4.214	4.324	BV	930735	7929451	88.00%	4.955%
2	5.798	5.738	5.874	BB	910261	8377972	92.98%	5.235%
3	6.849	6.781	6.928	BB	866093	8446067	93.73%	5.278%
4	7.461	7.404	7.524	BB	789457	7674714	85.17%	4.796%
5	8.118	8.044	8.198	BB	788645	7897716	87.65%	4.935%
6	8.315	8.258	8.381	BV	524139	5222571	57.96%	3.263%
7	8.415	8.381	8.478	VB	830196	8265132	91.73%	5.165%
8	9.193	9.118	9.264	BB	805764	8188532	90.88%	5.117%
9	10.584	10.501	10.618	BV	751604	8172130	90.69%	5.106%
10	10.659	10.618	10.714	VV	679738	7411009	82.25%	4.631%
11	11.356	11.274	11.418	BB	826502	9010673	100.00%	5.630%
12	12.391	12.338	12.432	PV	704010	8139144	90.33%	5.086%
13	12.686	12.611	12.717	BV	680237	7932325	88.03%	4.957%
14	14.554	14.468	14.573	BV	552577	7278914	80.78%	4.548%
15	14.597	14.573	14.678	VB	668716	7691371	85.36%	4.806%
16	16.100	16.011	16.116	BV	523779	7390957	82.02%	4.618%
17	16.137	16.116	16.181	VB	598913	7292770	80.93%	4.557%
18	16.478	16.384	16.538	BV	544168	7126123	79.09%	4.453%
19	17.841	17.704	17.856	BV	489838	6885879	76.42%	4.303%
20	17.880	17.856	17.968	VB	519603	6839242	75.90%	4.274%
21	18.096	18.008	18.188	BB	484422	6862298	76.16%	4.288%
Sum of corrected areas:						160034990		

Aromatic EPH 042924.M Mon Apr 29 17:14:29 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD042924AR\
 Data File : FD047609.D
 Signal(s) : FID2B.ch
 Acq On : 29 Apr 2024 14:10
 Operator : YP/AJ
 Sample : 20 PPM AROMATIC HC STD3
 Misc :
 ALS Vial : 68 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 20 PPM AROMATIC HC STD3

Integration File: autoint1.e
 Quant Time: Apr 29 16:09:47 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 042924.M
 Quant Title : GC Extractables
 QLast Update : Mon Apr 29 16:08:55 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...	7.459	3127002	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
6) S 2-Fluorobiphenyl (SURR)	8.312	2098849	20.000 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	40.00%
11) S ortho-Terphenyl (SURR)	11.352	3698513	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.270	3227705	20.000 ug/ml
2) T Naphthalene (C11.7)	5.796	3387885	20.000 ug/ml
3) T 2-Methylnaphthalene (...)	6.846	3401446	20.000 ug/ml
5) T Acenaphthylene (C15.06)	8.116	3258255	20.000 ug/ml
7) T Acenaphthene (C15.5)	8.410	3360819	20.000 ug/ml
8) T Flouorene (C16.55)	9.189	3316642	20.000 ug/ml
9) T Phenanthrene (C19.36)	10.579	3258084	20.000 ug/ml
10) T Anthracene (C19.43)	10.654	2982457	20.000 ug/ml
12) T Fluoranthene (C21.85)	12.385	3308542	20.000 ug/ml
13) T Pyrene (C20.8)	12.679	3216909	20.000 ug/ml
14) T Benzo[a]anthracene (C...	14.547	2941629	20.000 ug/ml
15) T Chrysene (C27.41)	14.589	3154517	20.000 ug/ml
16) T benzo[b]fluoranthene ...	16.094	3003558	20.000 ug/ml
17) T Bnezo[k]fluoranthene ...	16.124	3012076	20.000 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.468	2911877	20.000 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.830	2722564	20.000 ug/ml
20) T Dibenz[a,h]anthracene...	17.871	2876699	20.000 ug/ml
21) T Benzo[g,h,i]perylene ...	18.082	2779411	20.000 ug/ml

(f)=RT Delta > 1/2 Window

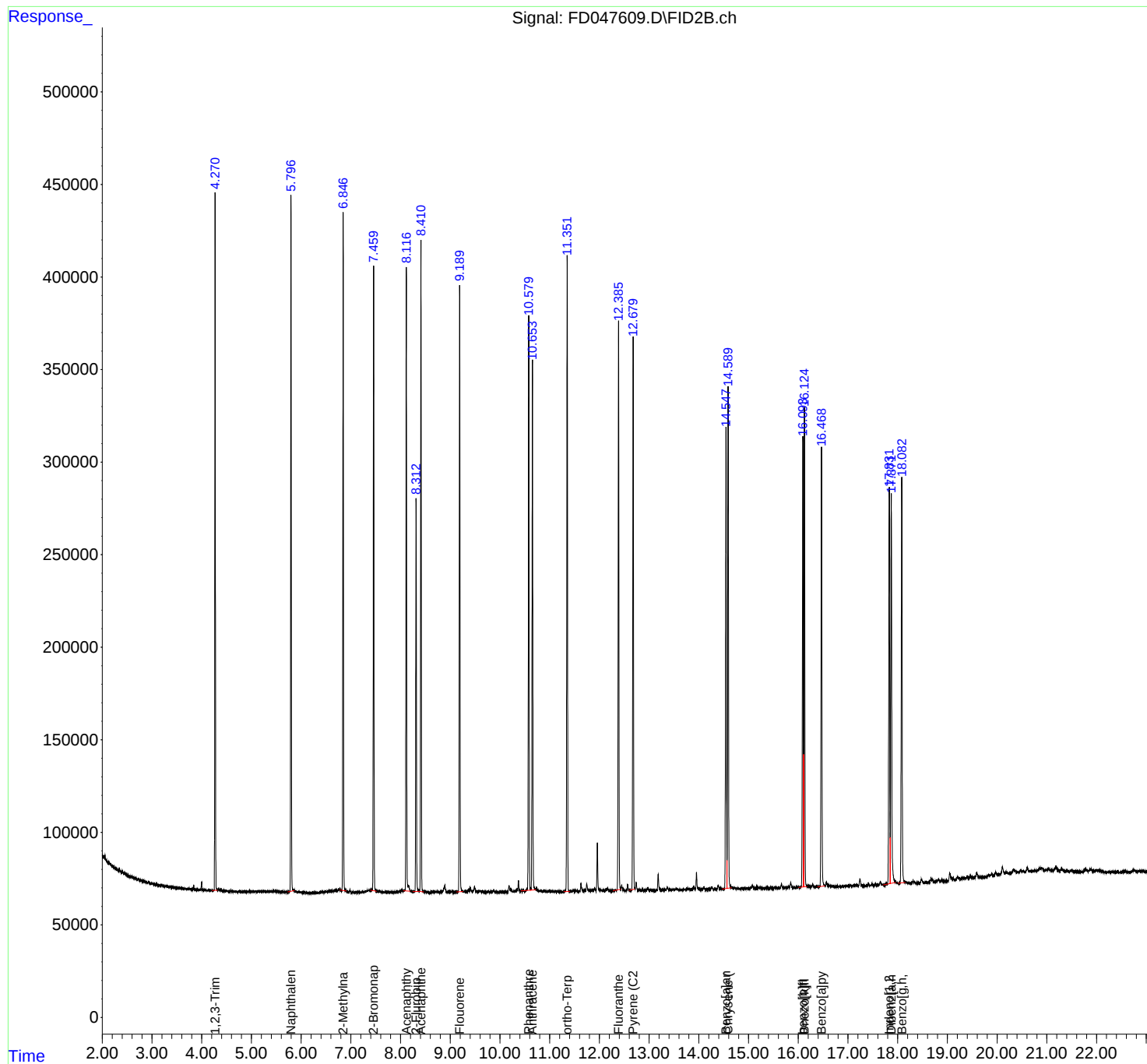
(m)=manual int.

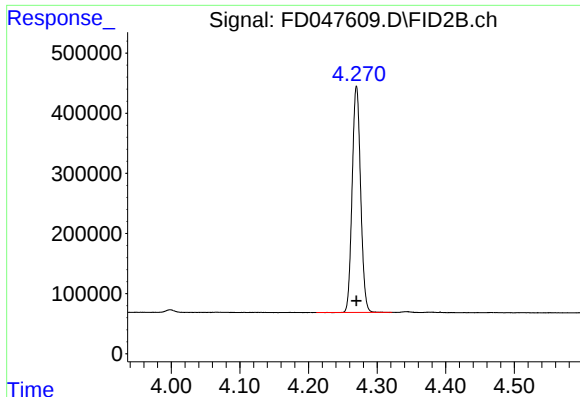
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD042924AR\
Data File : FD047609.D
Signal(s) : FID2B.ch
Acq On : 29 Apr 2024 14:10
Operator : YP/AJ
Sample : 20 PPM AROMATIC HC STD3
Misc :
ALS Vial : 68 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3

Integration File: autoint1.e
Quant Time: Apr 29 16:09:47 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 042924.M
Quant Title : GC Extractables
QLast Update : Mon Apr 29 16:08:55 2024
Response via : Initial Calibration
Integrator: ChemStation

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

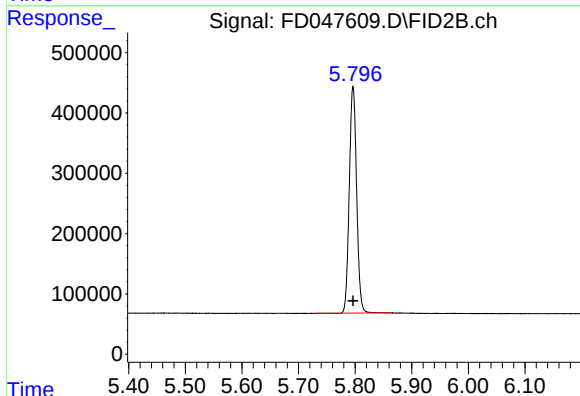




#1 1,2,3-Trimethylbenzene (C10.1)

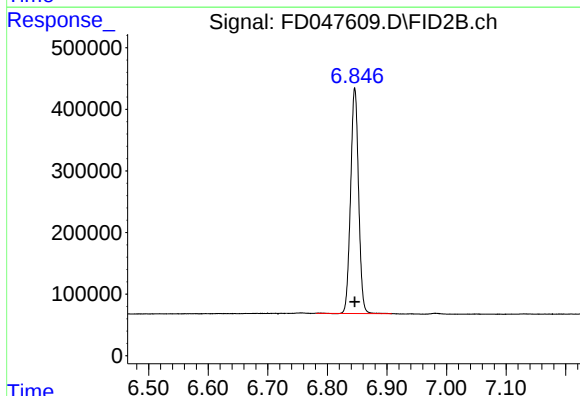
R.T.: 4.270 min
Delta R.T.: 0.000 min
Response: 3227705
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3



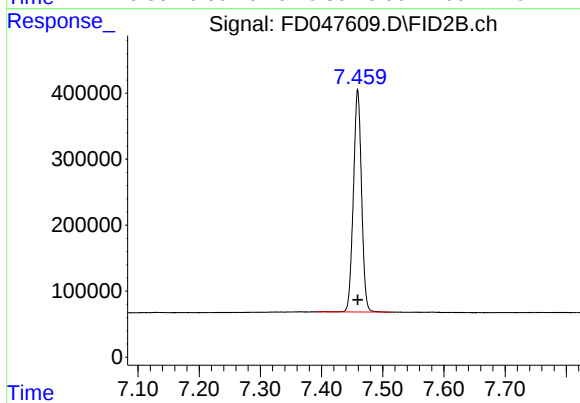
#2 Naphthalene (C11.7)

R.T.: 5.796 min
Delta R.T.: 0.000 min
Response: 3387885
Conc: 20.00 ug/ml



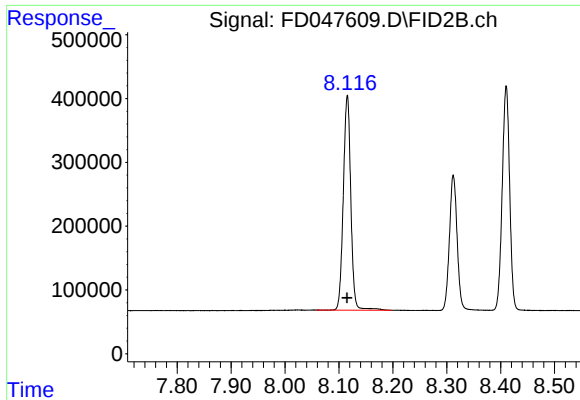
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.846 min
Delta R.T.: 0.000 min
Response: 3401446
Conc: 20.00 ug/ml



#4 2-Bromonaphthalene (SURR)

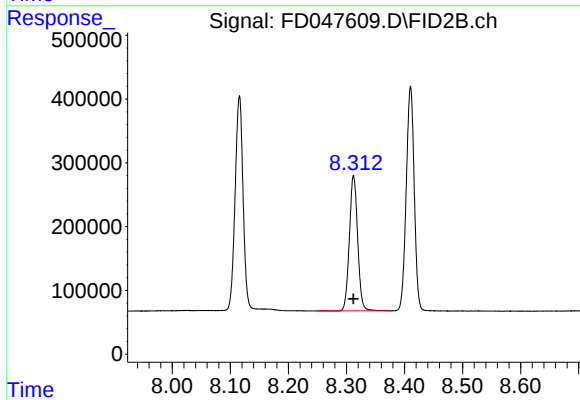
R.T.: 7.459 min
Delta R.T.: 0.000 min
Response: 3127002
Conc: 20.00 ug/ml



#5 Acenaphthylene (C15.06)

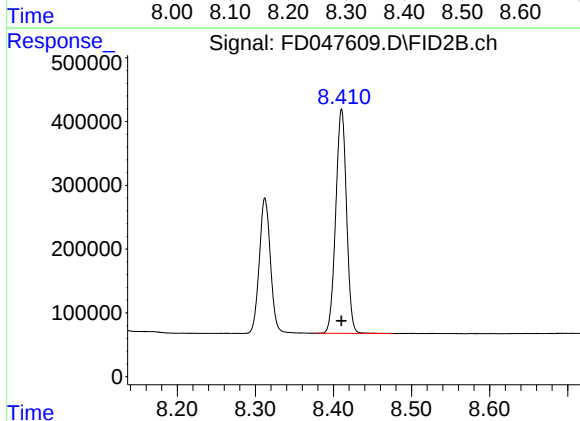
R.T.: 8.116 min
Delta R.T.: 0.000 min
Response: 3258255
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3



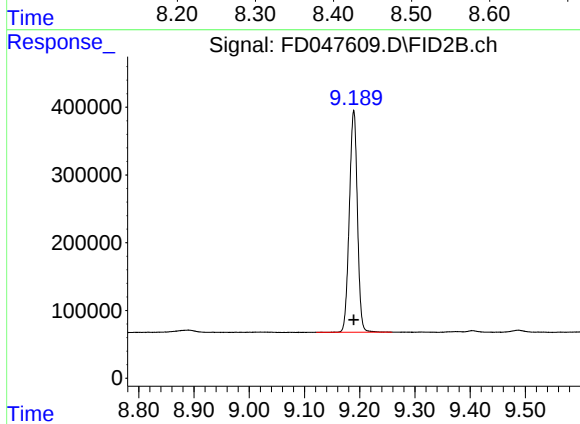
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.312 min
Delta R.T.: 0.000 min
Response: 2098849
Conc: 20.00 ug/ml



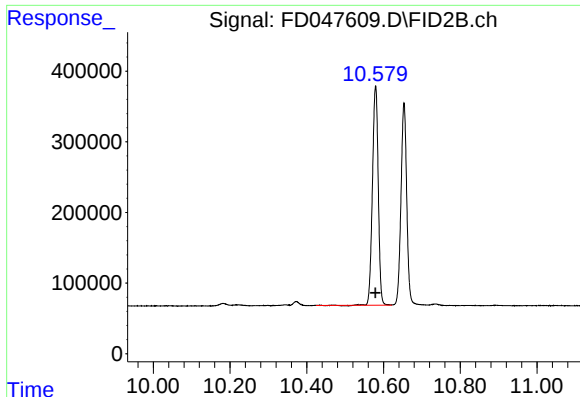
#7 Acenaphthene (C15.5)

R.T.: 8.410 min
Delta R.T.: 0.000 min
Response: 3360819
Conc: 20.00 ug/ml



#8 Flouorene (C16.55)

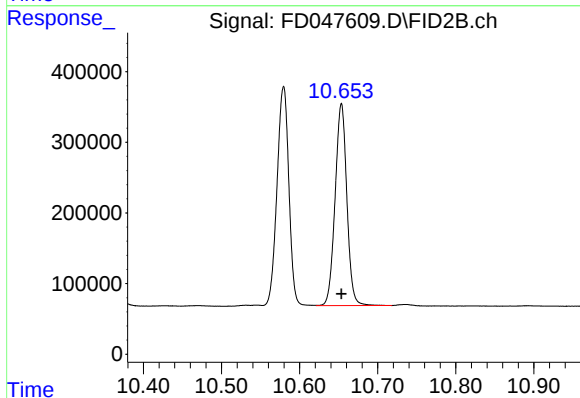
R.T.: 9.189 min
Delta R.T.: 0.000 min
Response: 3316642
Conc: 20.00 ug/ml



#9 Phenanthrene (C19.36)

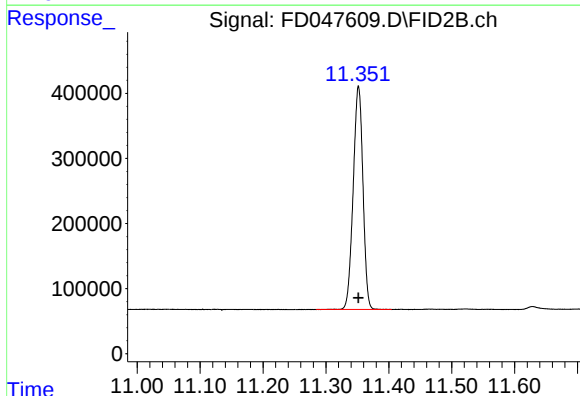
R.T.: 10.579 min
Delta R.T.: 0.000 min
Response: 3258084
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3



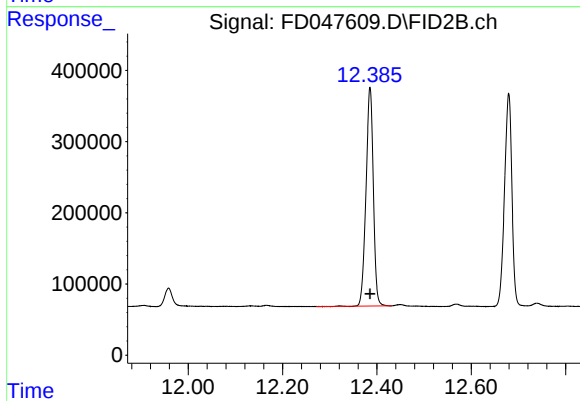
#10 Anthracene (C19.43)

R.T.: 10.654 min
Delta R.T.: 0.000 min
Response: 2982457
Conc: 20.00 ug/ml



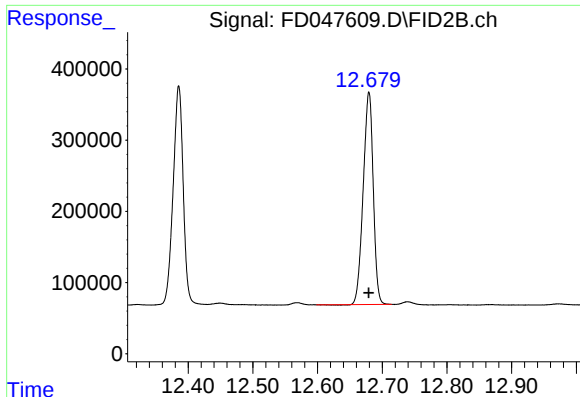
#11 ortho-Terphenyl (SURR)

R.T.: 11.352 min
Delta R.T.: 0.000 min
Response: 3698513
Conc: 20.00 ug/ml



#12 Fluoranthene (C21.85)

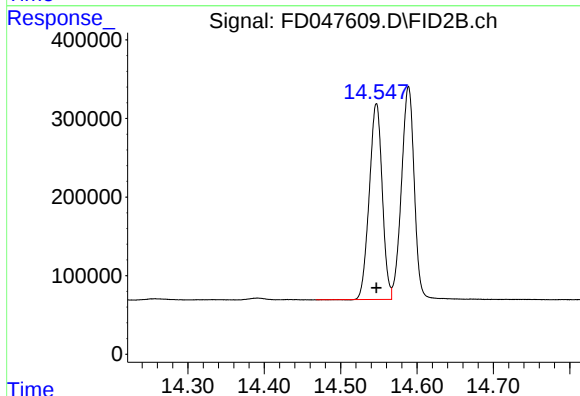
R.T.: 12.385 min
Delta R.T.: 0.000 min
Response: 3308542
Conc: 20.00 ug/ml



#13 Pyrene (C20.8)

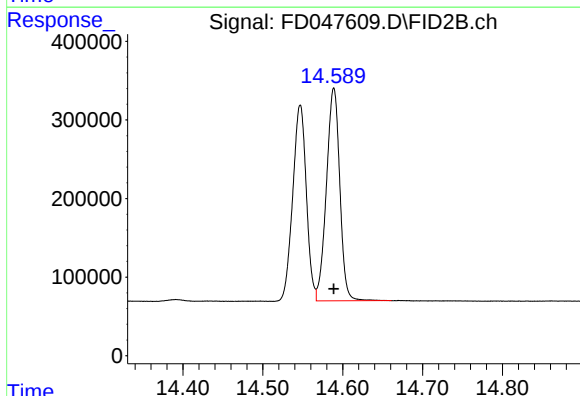
R.T.: 12.679 min
Delta R.T.: 0.000 min
Response: 3216909
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3



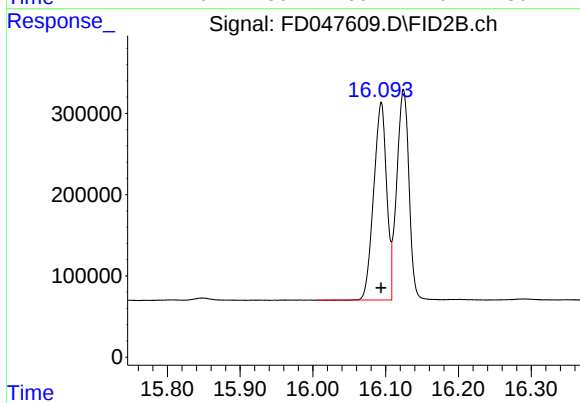
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.547 min
Delta R.T.: 0.000 min
Response: 2941629
Conc: 20.00 ug/ml



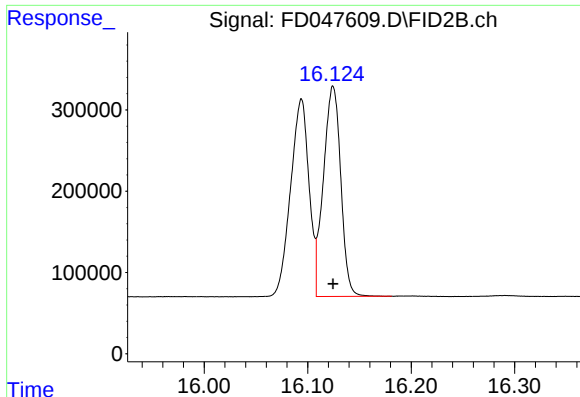
#15 Chrysene (C27.41)

R.T.: 14.589 min
Delta R.T.: 0.000 min
Response: 3154517
Conc: 20.00 ug/ml



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

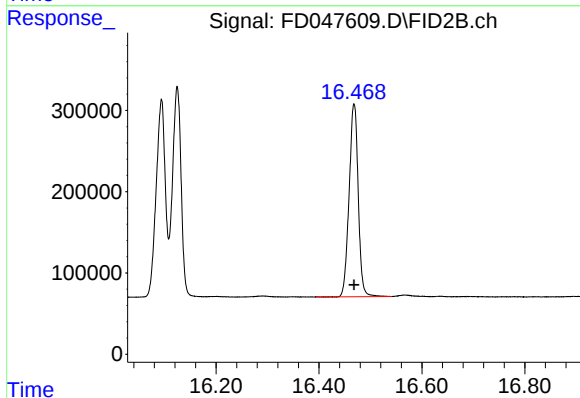
R.T.: 16.094 min
Delta R.T.: 0.000 min
Response: 3003558
Conc: 20.00 ug/ml



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

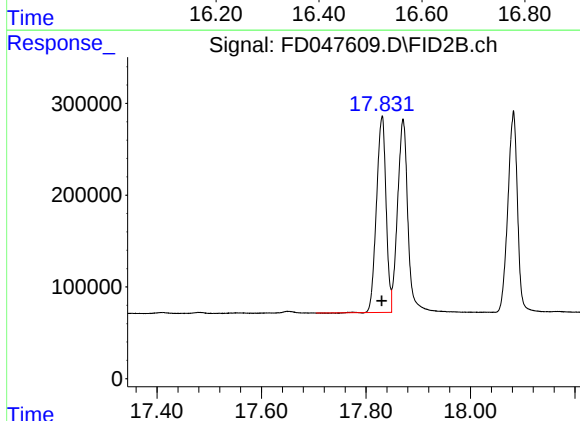
R.T.: 16.124 min
Delta R.T.: 0.000 min
Response: 3012076
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3



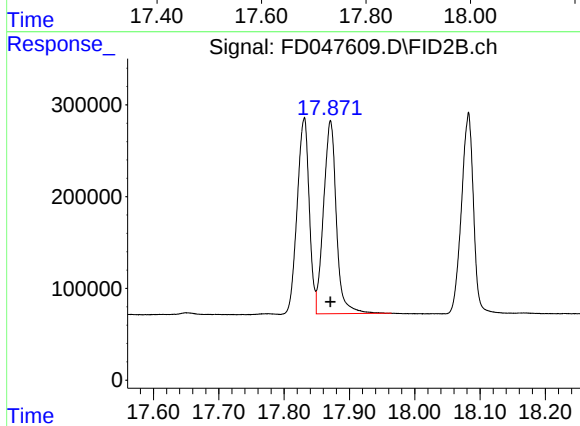
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.468 min
Delta R.T.: 0.000 min
Response: 2911877
Conc: 20.00 ug/ml



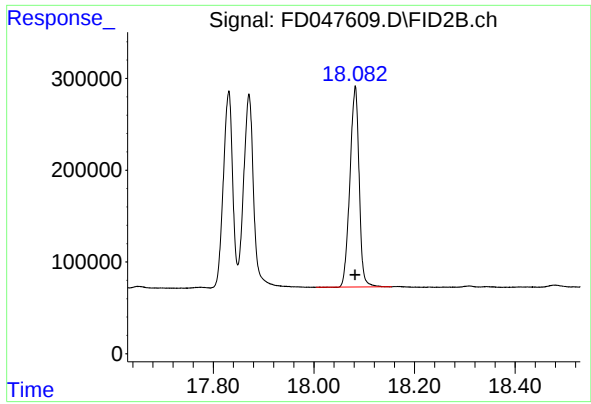
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.830 min
Delta R.T.: 0.000 min
Response: 2722564
Conc: 20.00 ug/ml



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

R.T.: 17.871 min
Delta R.T.: 0.000 min
Response: 2876699
Conc: 20.00 ug/ml



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

R.T.: 18.082 min
Delta R.T.: 0.000 min
Response: 2779411
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\FD042924AR\
Data File : FD047609.D
Signal(s) : FID2B.ch
Acq On : 29 Apr 2024 14:10
Sample : 20 PPM AROMATIC HC STD3
Misc :
ALS Vial : 68 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 042924.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	4.270	4.211	4.321	BB	375326	3227705	87.27%	4.962%
2	5.796	5.731	5.865	BB	373167	3387885	91.60%	5.208%
3	6.846	6.781	6.908	BB	363737	3401446	91.97%	5.229%
4	7.459	7.391	7.515	BB	333649	3127002	84.55%	4.807%
5	8.116	8.058	8.198	BB	334081	3258255	88.10%	5.009%
6	8.312	8.248	8.378	BB	211884	2098849	56.75%	3.227%
7	8.410	8.378	8.475	BB	352209	3360819	90.87%	5.167%
8	9.189	9.121	9.258	BB	324630	3316642	89.68%	5.099%
9	10.579	10.425	10.621	BV	308998	3258084	88.09%	5.009%
10	10.654	10.621	10.718	VV	286315	2982457	80.64%	4.585%
11	11.352	11.285	11.405	BB	343017	3698513	100.00%	5.686%
12	12.385	12.271	12.431	BV	306710	3308542	89.46%	5.087%
13	12.679	12.598	12.715	BV	295991	3216909	86.98%	4.946%
14	14.547	14.468	14.567	BV	250656	2941629	79.54%	4.522%
15	14.589	14.567	14.661	VB	270643	3154517	85.29%	4.850%
16	16.094	16.005	16.108	BV	244944	3003558	81.21%	4.618%
17	16.124	16.108	16.181	VB	259379	3012076	81.44%	4.631%
18	16.468	16.395	16.541	BV	237981	2911877	78.73%	4.477%
19	17.830	17.705	17.849	BV	215293	2722564	73.61%	4.186%
20	17.871	17.849	17.965	VB	210672	2876699	77.78%	4.423%
21	18.082	18.005	18.155	BB	215483	2779411	75.15%	4.273%
Sum of corrected areas:						65045440		

Aromatic EPH 042924.M Mon Apr 29 17:14:49 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD042924AR\
 Data File : FD047610.D
 Signal(s) : FID2B.ch
 Acq On : 29 Apr 2024 15:19
 Operator : YP/AJ
 Sample : 10 PPM AROMATIC HC STD4
 Misc :
 ALS Vial : 69 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 10 PPM AROMATIC HC STD4

Integration File: autoint1.e
 Quant Time: Apr 29 16:15:40 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 042924.M
 Quant Title : GC Extractables
 QLast Update : Mon Apr 29 16:08:55 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...	7.458	1651201	10.525 ug/ml
Spiked Amount 50.000		Recovery =	21.05%
6) S 2-Fluorobiphenyl (SURR)	8.313	1091274	10.329 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	20.66%
11) S ortho-Terphenyl (SURR)	11.351	1993290	10.734 ug/ml
Spiked Amount 50.000		Recovery =	21.47%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.270	1707777	10.546 ug/ml
2) T Naphthalene (C11.7)	5.796	1774405	10.440 ug/ml
3) T 2-Methylnaphthalene (...)	6.846	1785454	10.434 ug/ml
5) T Acenaphthylene (C15.06)	8.115	1774483	10.850 ug/ml
7) T Acenaphthene (C15.5)	8.409	1770725	10.500 ug/ml
8) T Flouorene (C16.55)	9.189	1746948	10.472 ug/ml
9) T Phenanthrene (C19.36)	10.579	1711349	10.386 ug/ml
10) T Anthracene (C19.43)	10.653	1567914	10.420 ug/ml
12) T Fluoranthene (C21.85)	12.384	1746492	10.511 ug/ml
13) T Pyrene (C20.8)	12.678	1719126	10.595 ug/ml
14) T Benzo[a]anthracene (C...	14.545	1534328	10.387 ug/ml
15) T Chrysene (C27.41)	14.587	1670830	10.603 ug/ml
16) T benzo[b]fluoranthene ...	16.091	1574357	10.451 ug/ml
17) T Bnezo[k]fluoranthene ...	16.122	1610855	10.723 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.468	1531587	10.525 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.829	1402022	10.115 ug/ml
20) T Dibenz[a,h]anthracene...	17.869	1546915	10.938 ug/ml
21) T Benzo[g,h,i]perylene ...	18.079	1446426	10.405 ug/ml

(f)=RT Delta > 1/2 Window

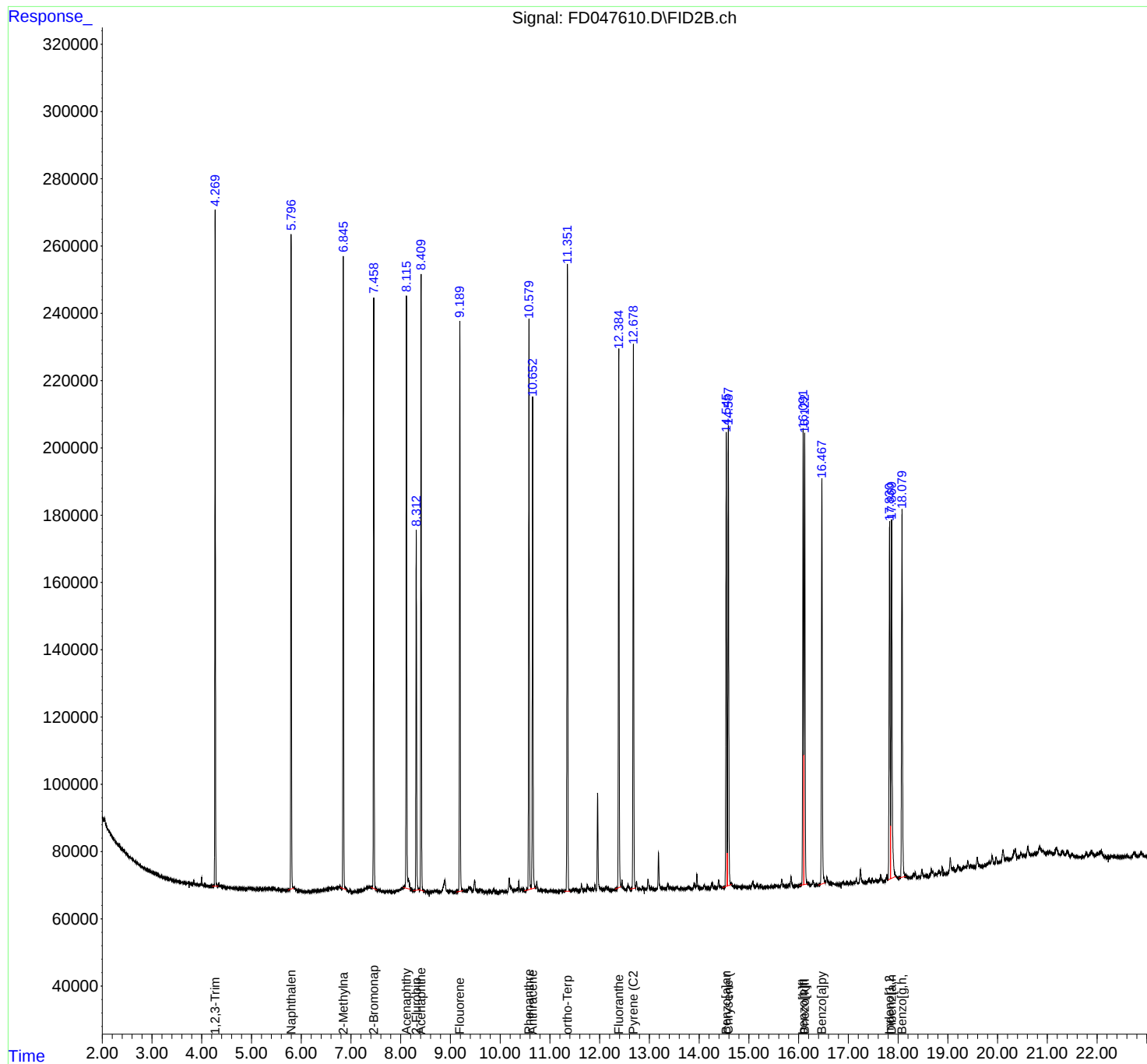
(m)=manual int.

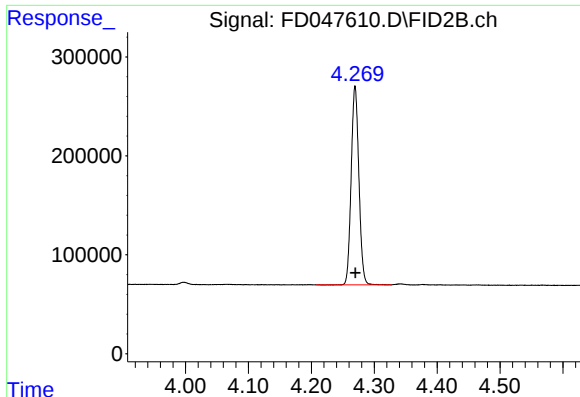
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD042924AR\
Data File : FD047610.D
Signal(s) : FID2B.ch
Acq On : 29 Apr 2024 15:19
Operator : YP/AJ
Sample : 10 PPM AROMATIC HC STD4
Misc :
ALS Vial : 69 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4

Integration File: autoint1.e
Quant Time: Apr 29 16:15:40 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 042924.M
Quant Title : GC Extractables
QLast Update : Mon Apr 29 16:08:55 2024
Response via : Initial Calibration
Integrator: ChemStation

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

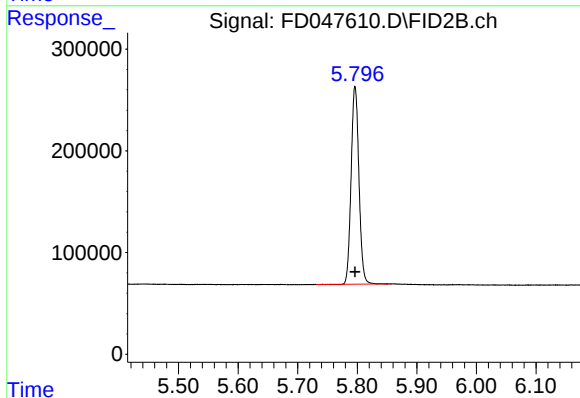




#1 1,2,3-Trimethylbenzene (C10.1)

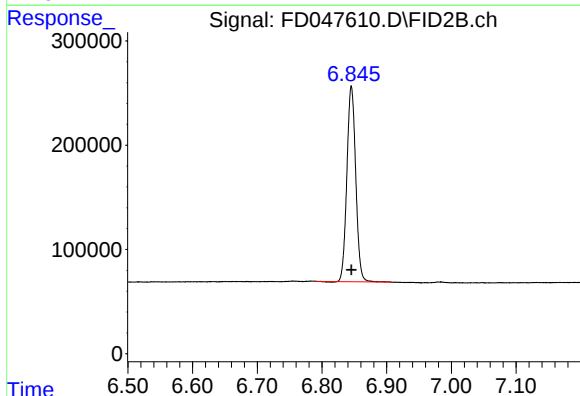
R.T.: 4.270 min
Delta R.T.: 0.000 min
Response: 1707777
Conc: 10.55 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4



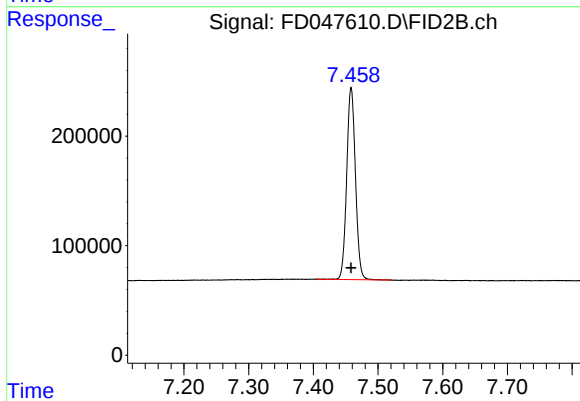
#2 Naphthalene (C11.7)

R.T.: 5.796 min
Delta R.T.: 0.000 min
Response: 1774405
Conc: 10.44 ug/ml



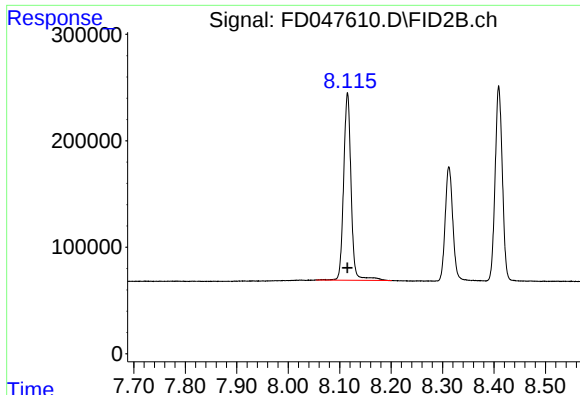
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.846 min
Delta R.T.: 0.000 min
Response: 1785454
Conc: 10.43 ug/ml



#4 2-Bromonaphthalene (SURR)

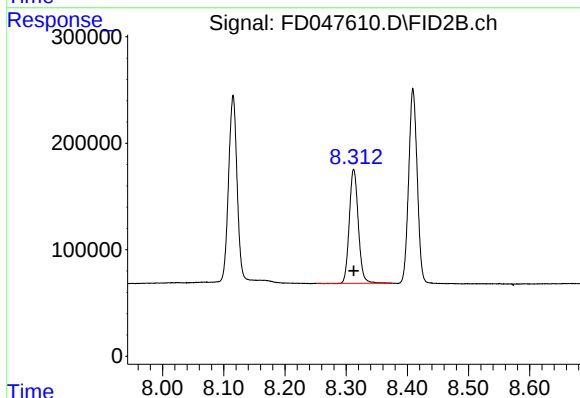
R.T.: 7.458 min
Delta R.T.: 0.000 min
Response: 1651201
Conc: 10.53 ug/ml



#5 Acenaphthylene (C15.06)

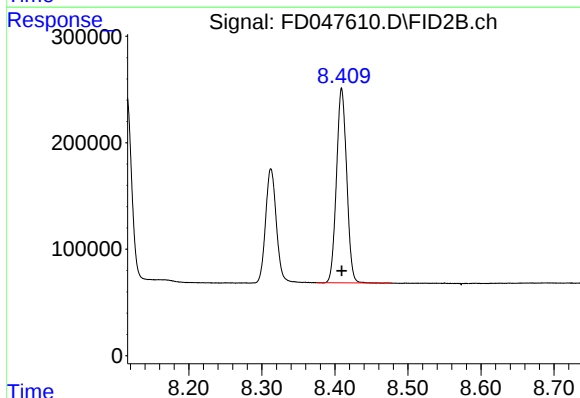
R.T.: 8.115 min
Delta R.T.: 0.000 min
Response: 1774483
Conc: 10.85 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4



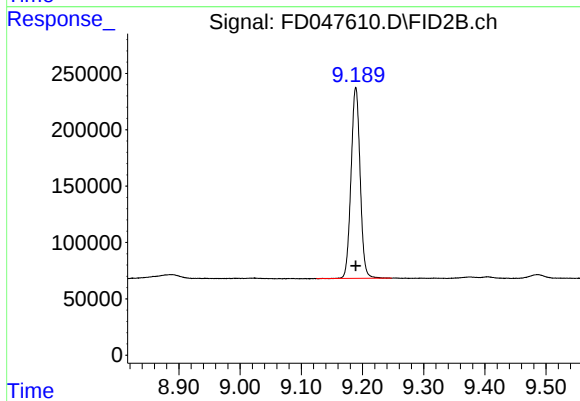
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.313 min
Delta R.T.: 0.000 min
Response: 1091274
Conc: 10.33 ug/ml



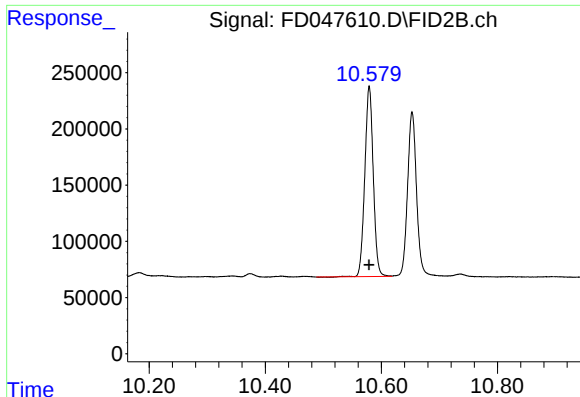
#7 Acenaphthene (C15.5)

R.T.: 8.409 min
Delta R.T.: 0.000 min
Response: 1770725
Conc: 10.50 ug/ml



#8 Fluorene (C16.55)

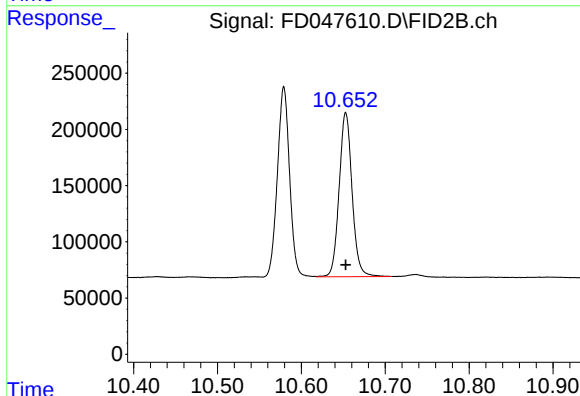
R.T.: 9.189 min
Delta R.T.: 0.000 min
Response: 1746948
Conc: 10.47 ug/ml



#9 Phenanthrene (C19.36)

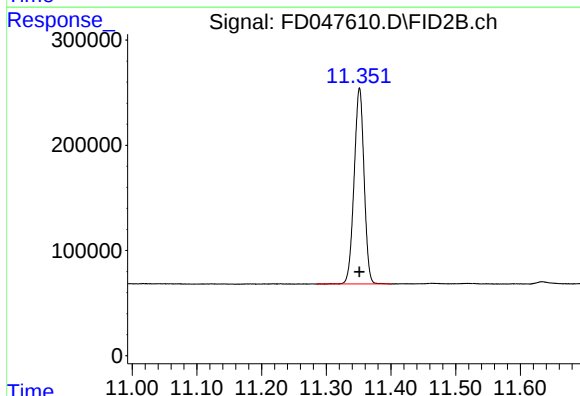
R.T.: 10.579 min
Delta R.T.: 0.000 min
Response: 1711349
Conc: 10.39 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4



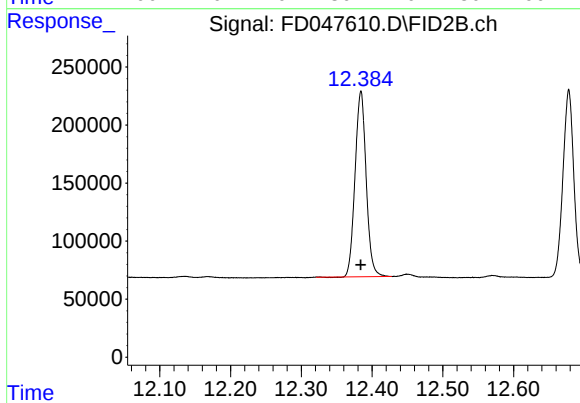
#10 Anthracene (C19.43)

R.T.: 10.653 min
Delta R.T.: 0.000 min
Response: 1567914
Conc: 10.42 ug/ml



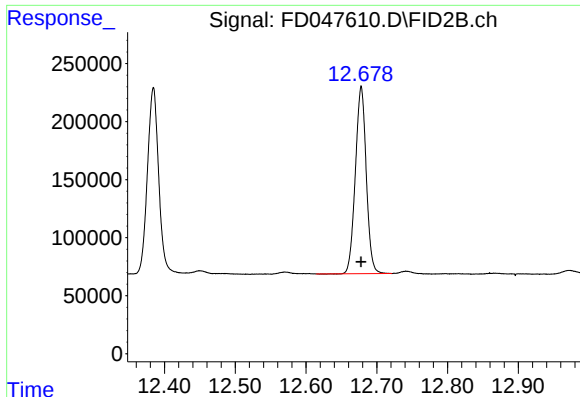
#11 ortho-Terphenyl (SURR)

R.T.: 11.351 min
Delta R.T.: 0.000 min
Response: 1993290
Conc: 10.73 ug/ml



#12 Fluoranthene (C21.85)

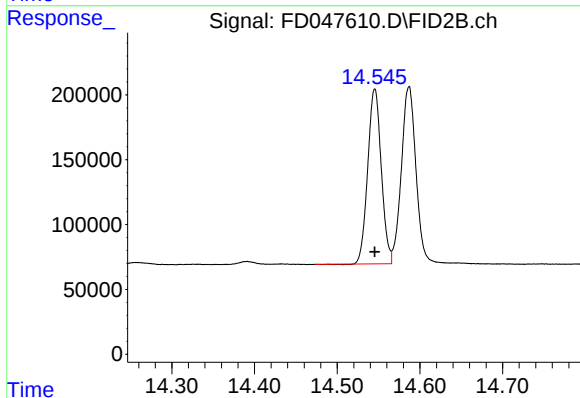
R.T.: 12.384 min
Delta R.T.: 0.000 min
Response: 1746492
Conc: 10.51 ug/ml



#13 Pyrene (C20.8)

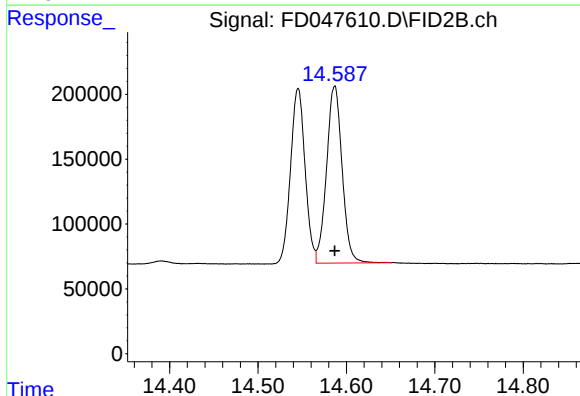
R.T.: 12.678 min
Delta R.T.: 0.000 min
Response: 1719126
Conc: 10.59 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4



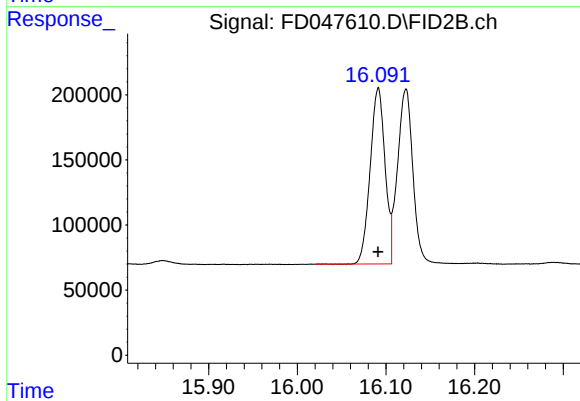
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.545 min
Delta R.T.: 0.000 min
Response: 1534328
Conc: 10.39 ug/ml



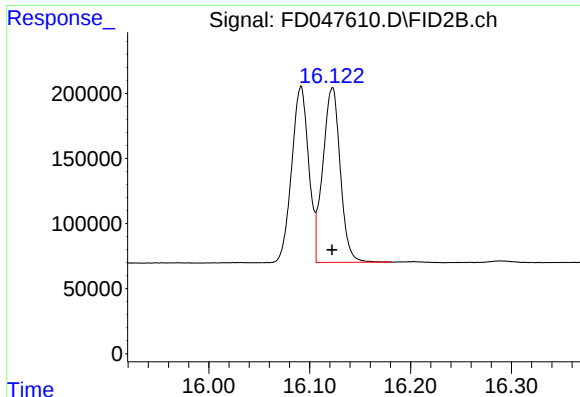
#15 Chrysene (C27.41)

R.T.: 14.587 min
Delta R.T.: 0.000 min
Response: 1670830
Conc: 10.60 ug/ml



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

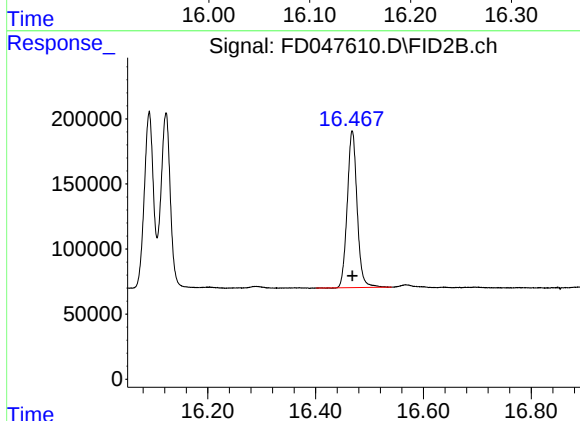
R.T.: 16.091 min
Delta R.T.: 0.000 min
Response: 1574357
Conc: 10.45 ug/ml



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

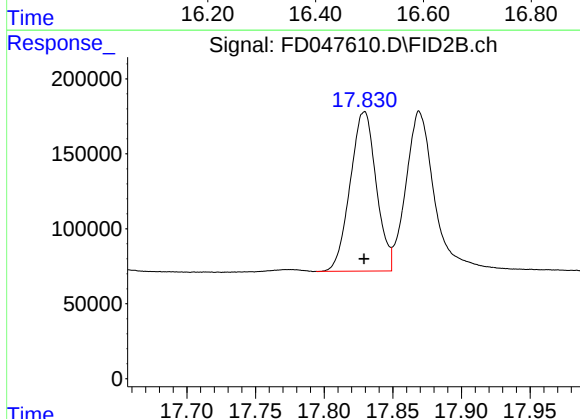
R.T.: 16.122 min
Delta R.T.: 0.000 min
Response: 1610855
Conc: 10.72 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4



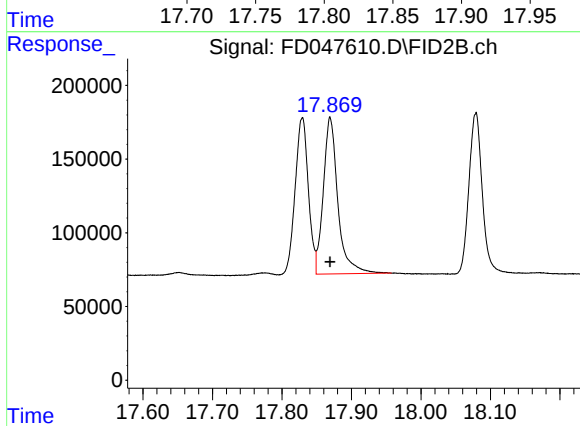
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.468 min
Delta R.T.: 0.000 min
Response: 1531587
Conc: 10.53 ug/ml



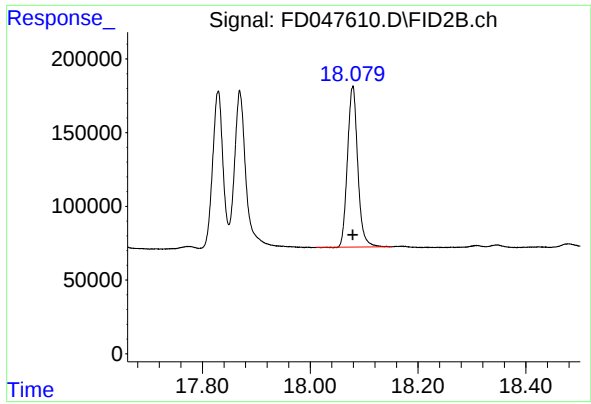
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.829 min
Delta R.T.: 0.000 min
Response: 1402022
Conc: 10.11 ug/ml



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

R.T.: 17.869 min
Delta R.T.: 0.000 min
Response: 1546915
Conc: 10.94 ug/ml



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

R.T.: 18.079 min
Delta R.T.: 0.000 min
Response: 1446426
Conc: 10.40 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD042924AR\
Data File : FD047610.D
Signal(s) : FID2B.ch
Acq On : 29 Apr 2024 15:19
Sample : 10 PPM AROMATIC HC STD4
Misc :
ALS Vial : 69 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 042924.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	4.270	4.208	4.328	BB	197833	1707777	85.68%	4.971%
2	5.796	5.731	5.858	BB	192877	1774405	89.02%	5.164%
3	6.846	6.791	6.908	BB	187032	1785454	89.57%	5.197%
4	7.458	7.404	7.521	BB	175032	1651201	82.84%	4.806%
5	8.115	8.054	8.201	BB	174427	1774483	89.02%	5.165%
6	8.313	8.251	8.374	BB	107075	1091274	54.75%	3.176%
7	8.409	8.374	8.478	BB	181490	1770725	88.83%	5.154%
8	9.189	9.124	9.248	BB	169038	1746948	87.64%	5.085%
9	10.579	10.488	10.618	BV	167957	1711349	85.86%	4.981%
10	10.653	10.618	10.708	VV	145444	1567914	78.66%	4.563%
11	11.351	11.284	11.401	BB	186372	1993290	100.00%	5.802%
12	12.384	12.321	12.428	BV	160300	1746492	87.62%	5.083%
13	12.678	12.614	12.721	BV	161012	1719126	86.25%	5.004%
14	14.545	14.474	14.566	BV	134934	1534328	76.97%	4.466%
15	14.587	14.566	14.651	VB	137060	1670830	83.82%	4.863%
16	16.091	16.021	16.106	BV	134948	1574357	78.98%	4.582%
17	16.122	16.106	16.181	VB	133806	1610855	80.81%	4.688%
18	16.468	16.401	16.541	BV	120501	1531587	76.84%	4.458%
19	17.829	17.794	17.849	PV	106518	1402022	70.34%	4.081%
20	17.870	17.849	17.958	VB	104886	1546915	77.61%	4.502%
21	18.079	18.011	18.151	BB	108928	1446426	72.56%	4.210%
Sum of corrected areas:						34357758		

Aromatic EPH 042924.M Mon Apr 29 17:15:09 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD042924AR\
 Data File : FD047611.D
 Signal(s) : FID2B.ch
 Acq On : 29 Apr 2024 16:39
 Operator : YP/AJ
 Sample : 5 PPM AROMATIC HC STD5
 Misc :
 ALS Vial : 70 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 5 PPM AROMATIC HC STD5

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 04/30/2024
 Supervised By :mohammad ahmed 05/02/2024

Integration File: autoint1.e
 Quant Time: Apr 29 17:12:15 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 042924.M
 Quant Title : GC Extractables
 QLast Update : Mon Apr 29 17:12:06 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...	7.458	783129	4.994 ug/ml
Spiked Amount 50.000		Recovery =	9.99%
6) S 2-Fluorobiphenyl (SURR)	8.312	501955	4.799 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	9.60%
11) S ortho-Terphenyl (SURR)	11.350	974470	5.196 ug/ml
Spiked Amount 50.000		Recovery =	10.39%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.269	803145	4.968 ug/ml
2) T Naphthalene (C11.7)	5.797	830839	4.910 ug/ml
3) T 2-Methylnaphthalene (...)	6.845	836059	4.930 ug/mlm
5) T Acenaphthylene (C15.06)	8.115	806089	4.949 ug/mlm
7) T Acenaphthene (C15.5)	8.409	829435	4.934 ug/ml
8) T Flouorene (C16.55)	9.189	822151	4.942 ug/ml
9) T Phenanthrene (C19.36)	10.578	797414	4.871 ug/ml
10) T Anthracene (C19.43)	10.653	735243	4.909 ug/ml
12) T Fluoranthene (C21.85)	12.383	825266	4.973 ug/ml
13) T Pyrene (C20.8)	12.678	822461	5.055 ug/ml
14) T Benzo[a]anthracene (C...	14.546	695106	4.762 ug/ml
15) T Chrysene (C27.41)	14.587	787899	5.000 ug/ml
16) T benzo[b]fluoranthene ...	16.091	721138	4.828 ug/ml
17) T Bnezo[k]fluoranthene ...	16.122	759334	5.044 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.469	696930	4.830 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.830	620760	4.574 ug/ml
20) T Dibenz[a,h]anthracene...	17.872	750799	5.244 ug/ml
21) T Benzo[g,h,i]perylene ...	18.080	652153	4.750 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD042924AR\
Data File : FD047611.D
Signal(s) : FID2B.ch
Acq On : 29 Apr 2024 16:39
Operator : YP/AJ
Sample : 5 PPM AROMATIC HC STD5
Misc :
ALS Vial : 70 Sample Multiplier: 1

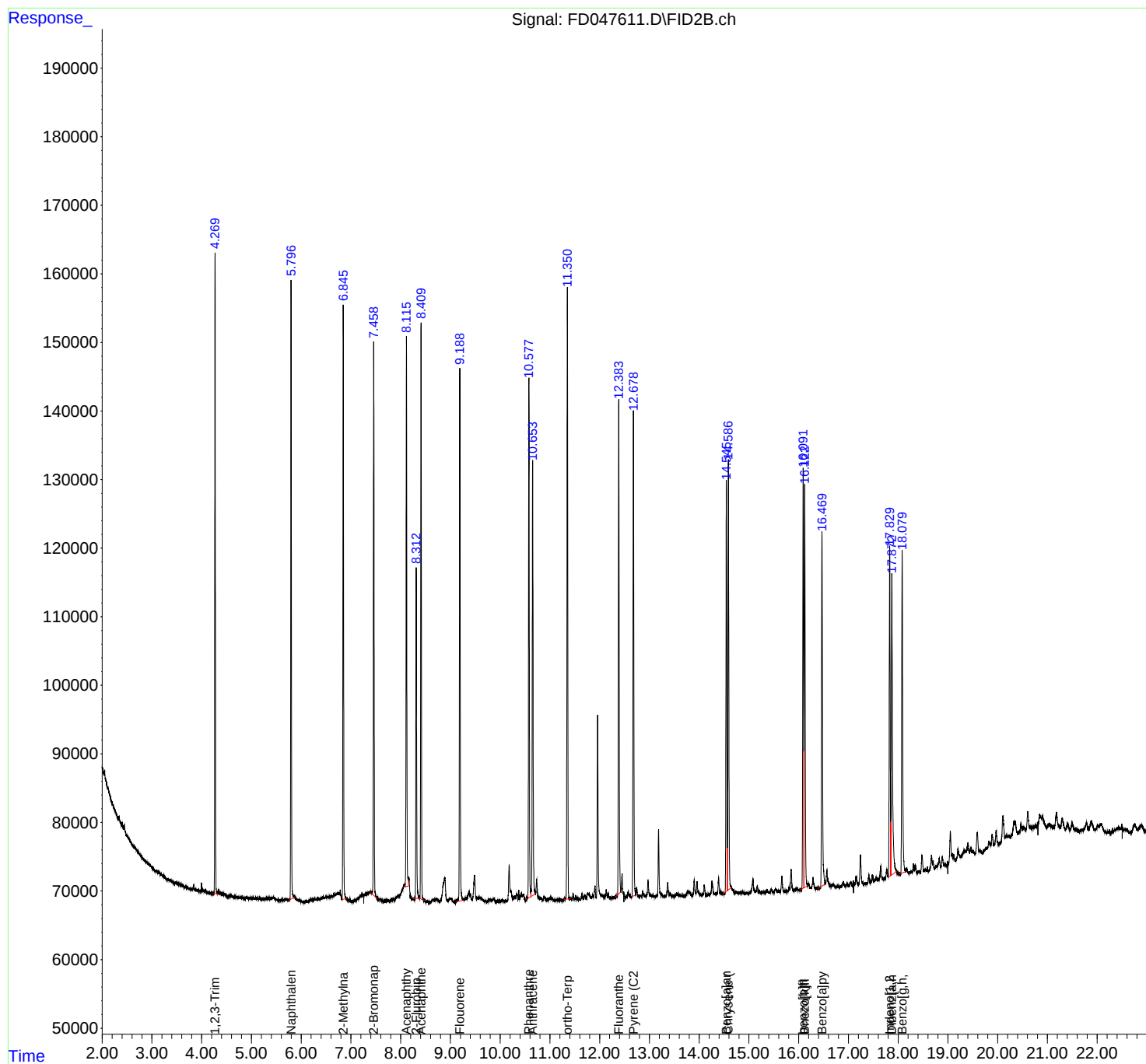
Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5

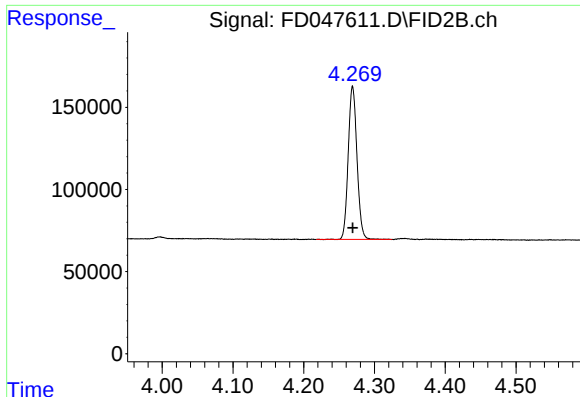
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 04/30/2024
Supervised By :mohammad ahmed 05/02/2024

Integration File: autoint1.e
Quant Time: Apr 29 17:12:15 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 042924.M
Quant Title : GC Extractables
QLast Update : Mon Apr 29 17:12:06 2024
Response via : Initial Calibration
Integrator: ChemStation

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





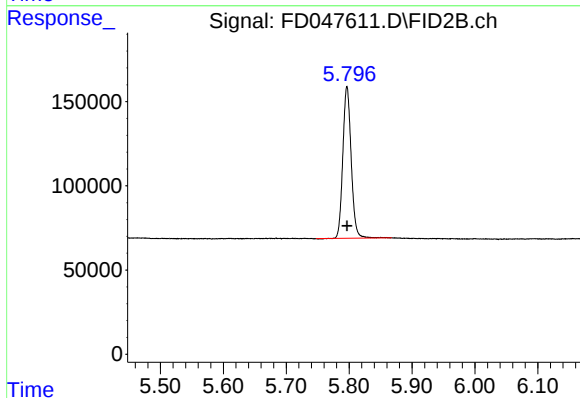
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.269 min
Delta R.T.: 0.000 min
Response: 803145
Conc: 4.97 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5

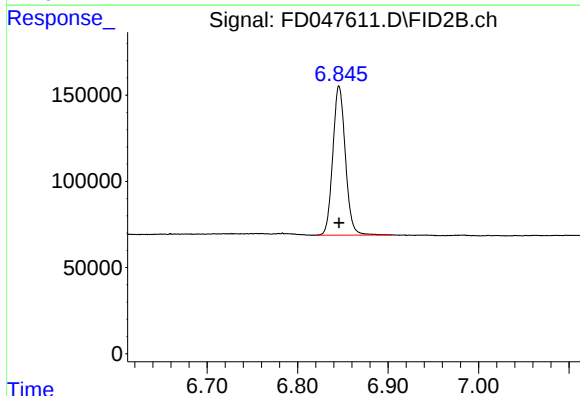
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 04/30/2024
Supervised By :mohammad ahmed 05/02/2024



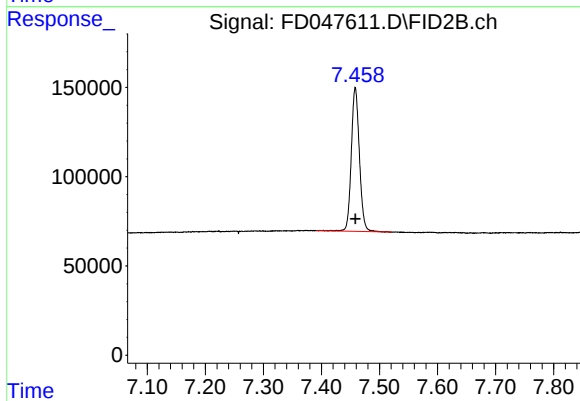
#2 Naphthalene (C11.7)

R.T.: 5.797 min
Delta R.T.: 0.000 min
Response: 830839
Conc: 4.91 ug/ml



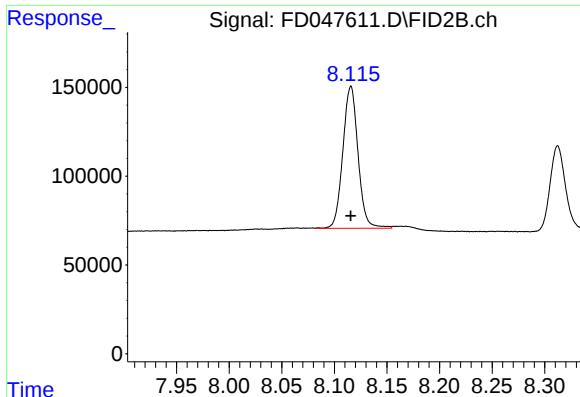
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.845 min
Delta R.T.: 0.000 min
Response: 836059
Conc: 4.93 ug/ml m



#4 2-Bromonaphthalene (SURR)

R.T.: 7.458 min
Delta R.T.: 0.000 min
Response: 783129
Conc: 4.99 ug/ml



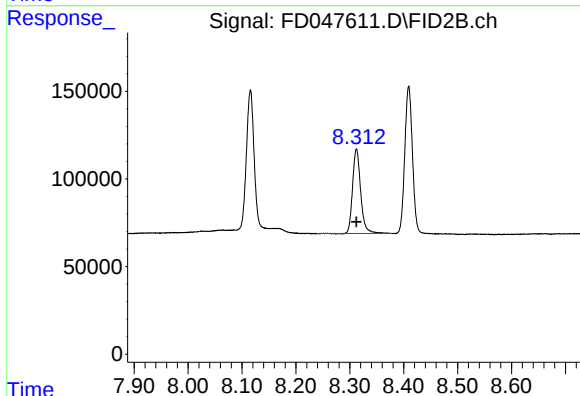
#5 Acenaphthylene (C15.06)

R.T.: 8.115 min
Delta R.T.: 0.000 min
Response: 806089
Conc: 4.95 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5

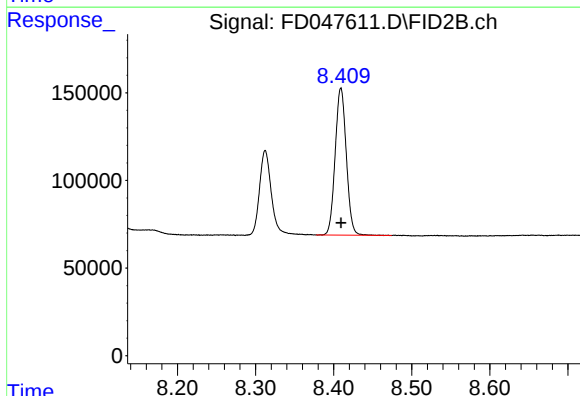
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 04/30/2024
Supervised By :mohammad ahmed 05/02/2024



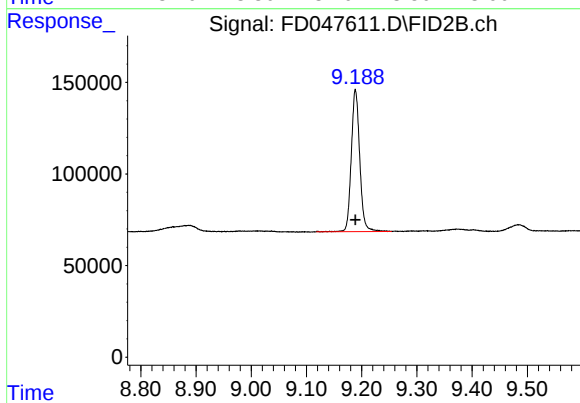
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.312 min
Delta R.T.: 0.000 min
Response: 501955
Conc: 4.80 ug/ml



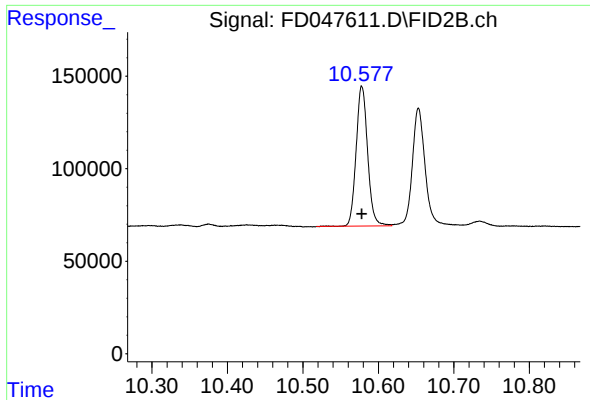
#7 Acenaphthene (C15.5)

R.T.: 8.409 min
Delta R.T.: 0.000 min
Response: 829435
Conc: 4.93 ug/ml



#8 Fluorene (C16.55)

R.T.: 9.189 min
Delta R.T.: 0.000 min
Response: 822151
Conc: 4.94 ug/ml



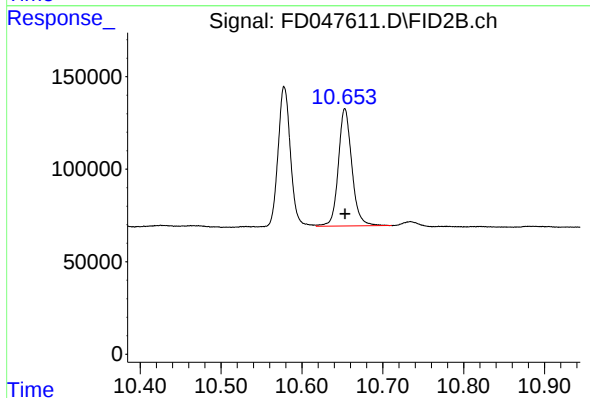
#9 Phenanthrene (C19.36)

R.T.: 10.578 min
Delta R.T.: 0.000 min
Response: 797414
Conc: 4.87 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5

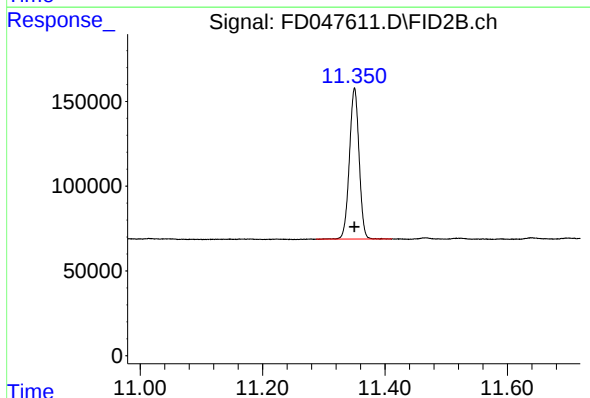
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 04/30/2024
Supervised By :mohammad ahmed 05/02/2024



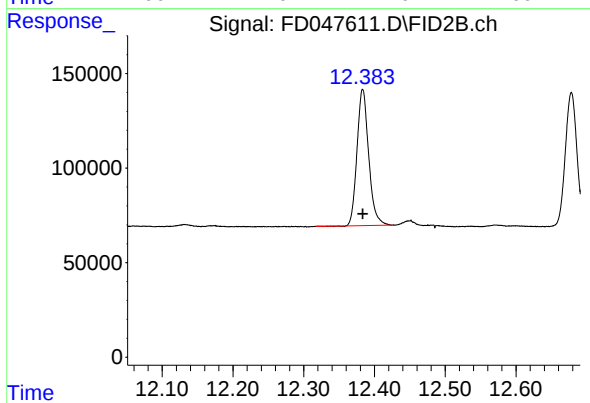
#10 Anthracene (C19.43)

R.T.: 10.653 min
Delta R.T.: 0.000 min
Response: 735243
Conc: 4.91 ug/ml



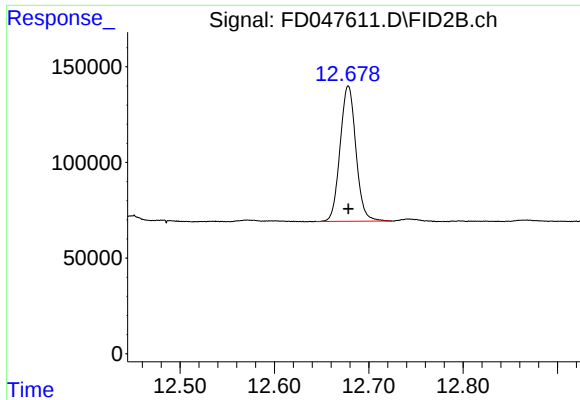
#11 ortho-Terphenyl (SURR)

R.T.: 11.350 min
Delta R.T.: 0.000 min
Response: 974470
Conc: 5.20 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.383 min
Delta R.T.: 0.000 min
Response: 825266
Conc: 4.97 ug/ml



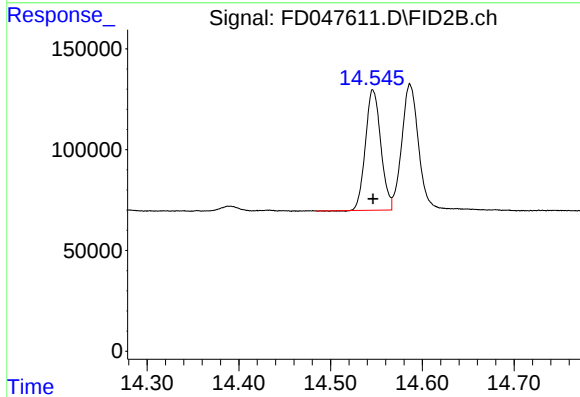
#13 Pyrene (C20.8)

R.T.: 12.678 min
Delta R.T.: 0.000 min
Response: 822461
Conc: 5.05 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5

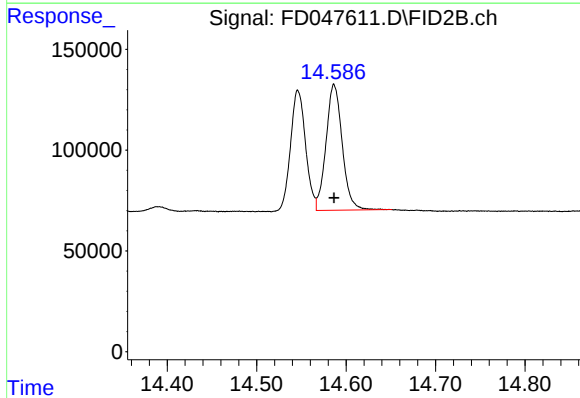
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 04/30/2024
Supervised By :mohammad ahmed 05/02/2024



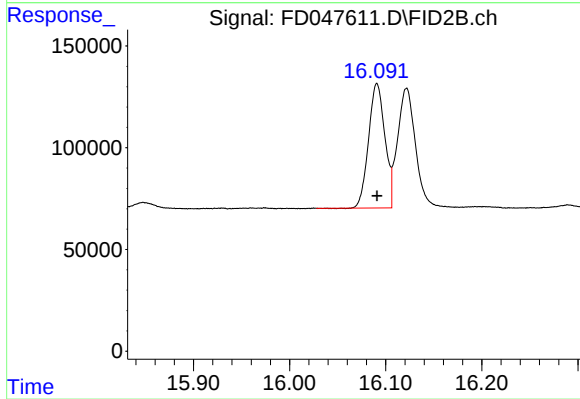
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.546 min
Delta R.T.: 0.000 min
Response: 695106
Conc: 4.76 ug/ml



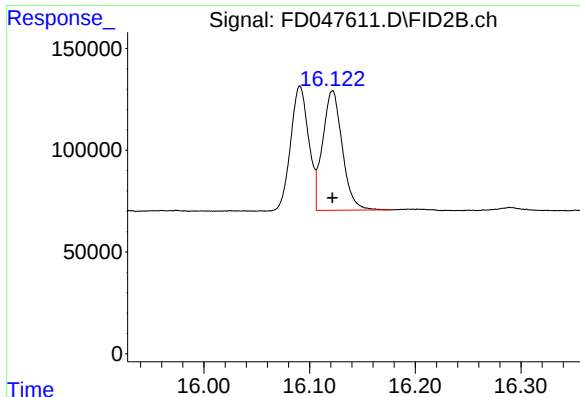
#15 Chrysene (C27.41)

R.T.: 14.587 min
Delta R.T.: 0.000 min
Response: 787899
Conc: 5.00 ug/ml



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

R.T.: 16.091 min
Delta R.T.: 0.000 min
Response: 721138
Conc: 4.83 ug/ml



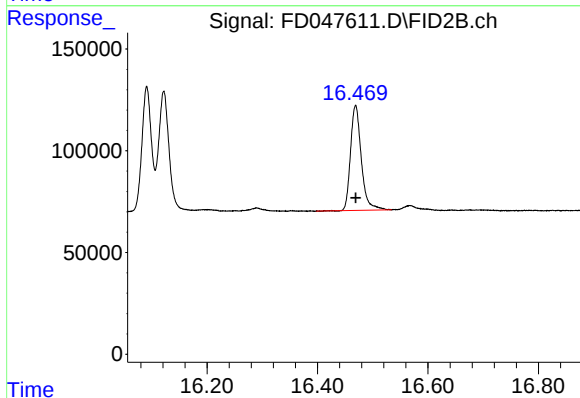
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.122 min
Delta R.T.: 0.000 min
Response: 759334
Conc: 5.04 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5

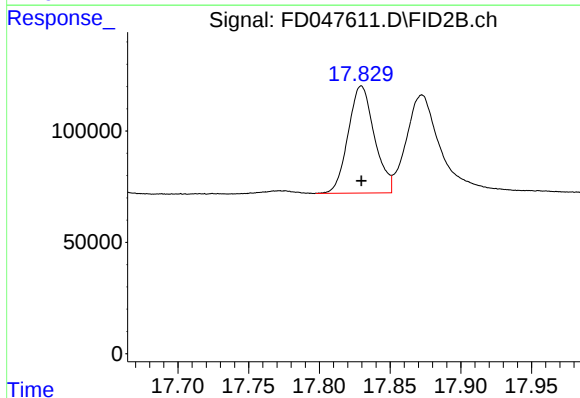
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 04/30/2024
Supervised By :mohammad ahmed 05/02/2024



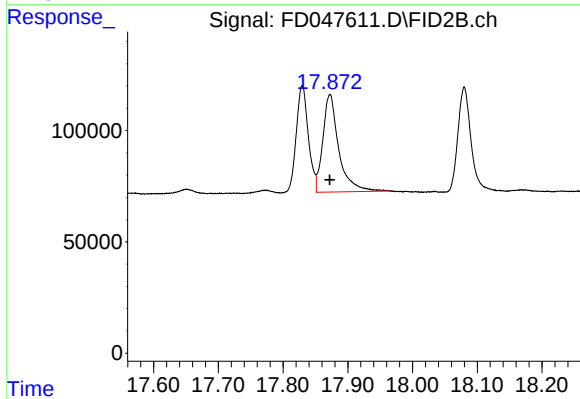
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.469 min
Delta R.T.: 0.000 min
Response: 696930
Conc: 4.83 ug/ml



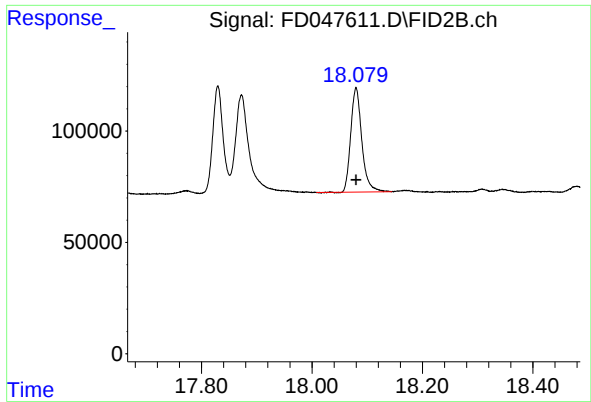
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.830 min
Delta R.T.: 0.000 min
Response: 620760
Conc: 4.57 ug/ml



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

R.T.: 17.872 min
Delta R.T.: 0.000 min
Response: 750799
Conc: 5.24 ug/ml



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

R.T.: 18.080 min
Delta R.T.: 0.000 min
Response: 652153
Conc: 4.75 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 04/30/2024
Supervised By :mohammad ahmed 05/02/2024

Instrument :
FID_D
LabSampleId :
5 PPM AROMATIC HC STD5

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 04/30/2024
Supervised By :mohammad ahmed 05/02/2024

rteres

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD
Data File : FD047611.D
Signal(s) : FID2B.ch
Acq On : 29 Apr 2024 16:39
Sample : 5 PPM AROMATIC HC STD5
Misc :
ALS Vial : 70 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 042924.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	4.269	4.218	4.324	BB	92588	803145	82.42%	4.985%
2	5.797	5.748	5.868	BB	89562	830839	85.26%	5.157%
3	6.846	6.784	6.911	BB	84942	816867	83.83%	5.070%
4	7.458	7.391	7.521	BB	80285	783129	80.36%	4.861%
5	8.116	8.044	8.198	BB	80204	885105	90.83%	5.494%
6	8.312	8.238	8.378	BB	47994	501955	51.51%	3.115%
7	8.409	8.378	8.474	BB	83570	829435	85.12%	5.148%
8	9.189	9.118	9.254	BB	77439	822151	84.37%	5.103%
9	10.578	10.518	10.618	BV	75781	797414	81.83%	4.949%
10	10.653	10.618	10.711	VV	63149	735243	75.45%	4.563%
11	11.350	11.288	11.411	BB	89085	974470	100.00%	6.048%
12	12.383	12.318	12.424	BV	72111	825266	84.69%	5.122%
13	12.678	12.644	12.724	BV	70724	822461	84.40%	5.105%
14	14.546	14.484	14.567	BV	59143	695106	71.33%	4.314%
15	14.587	14.567	14.651	VB	61987	787899	80.85%	4.890%
16	16.091	16.028	16.106	BV	61134	721138	74.00%	4.476%
17	16.122	16.106	16.178	VB	58805	759334	77.92%	4.713%
18	16.469	16.398	16.534	BV	51487	696930	71.52%	4.326%
19	17.830	17.798	17.851	PV	48103	620760	63.70%	3.853%
20	17.872	17.851	17.968	VB	43697	750799	77.05%	4.660%
21	18.080	18.008	18.144	BB	46899	652153	66.92%	4.048%
Sum of corrected areas:						16111600		

Aromatic EPH 042924.M Mon Apr 29 17:15:46 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD042924AR\
 Data File : FD047612.D
 Signal(s) : FID2B.ch
 Acq On : 29 Apr 2024 18:24
 Operator : YP/AJ
 Sample : 20 PPM AROMATIC HC STD ICV
 Misc :
 ALS Vial : 71 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 20 PPM AROMATIC HC STD ICV

Integration File: autoint1.e
 Quant Time: Apr 29 18:58:15 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 042924.M
 Quant Title : GC Extractables
 QLast Update : Mon Apr 29 17:13:11 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...	7.458	3036212	19.360 ug/ml
Spiked Amount 50.000		Recovery =	38.72%
6) S 2-Fluorobiphenyl (SURR)	8.312	2041579	19.518 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	39.04%
11) S ortho-Terphenyl (SURR)	11.352	3645900	19.441 ug/ml
Spiked Amount 50.000		Recovery =	38.88%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.267	3118329	19.287 ug/ml
2) T Naphthalene (C11.7)	5.795	3278222	19.374 ug/ml
3) T 2-Methylnaphthalene (...)	6.845	3326242	19.527 ug/ml
5) T Acenaphthylene (C15.06)	8.115	3252539	19.944 ug/ml
7) T Acenaphthene (C15.5)	8.410	3261712	19.404 ug/ml
8) T Flouorene (C16.55)	9.189	3226816	19.399 ug/ml
9) T Phenanthrene (C19.36)	10.580	3200513	19.549 ug/ml
10) T Anthracene (C19.43)	10.654	2927440	19.544 ug/ml
12) T Fluoranthene (C21.85)	12.386	3243459	19.547 ug/ml
13) T Pyrene (C20.8)	12.680	3166160	19.459 ug/ml
14) T Benzo[a]anthracene (C...	14.548	2860646	19.597 ug/ml
15) T Chrysene (C27.41)	14.590	3069119	19.476 ug/ml
16) T benzo[b]fluoranthene ...	16.093	2897042	19.397 ug/ml
17) T Bnezo[k]fluoranthene ...	16.126	2921950	19.408 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.469	2815825	19.515 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.831	2615184	19.269 ug/ml
20) T Dibenz[a,h]anthracene...	17.872	2749958	19.207 ug/ml
21) T Benzo[g,h,i]perylene ...	18.083	2649075	19.294 ug/ml

(f)=RT Delta > 1/2 Window

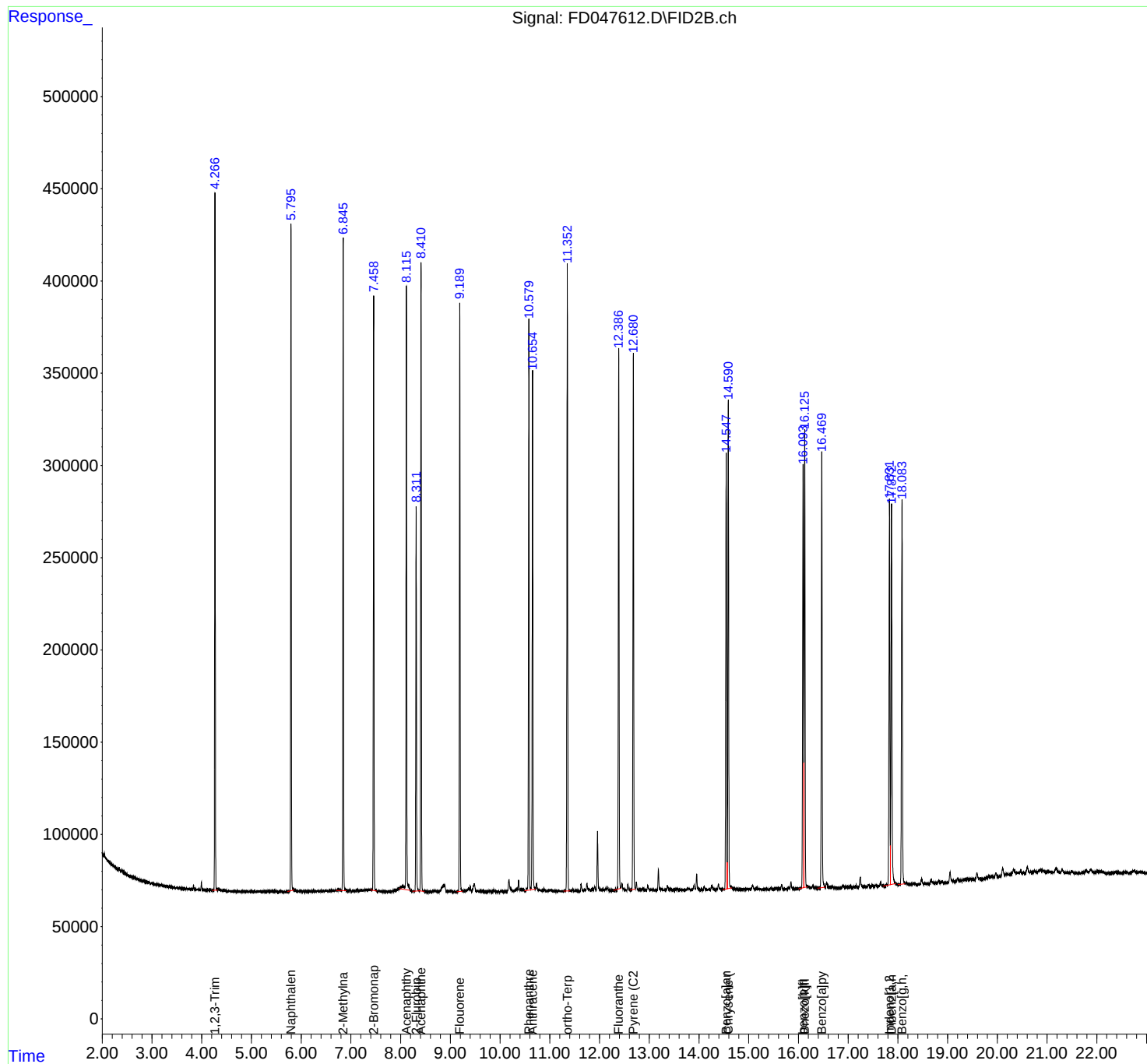
(m)=manual int.

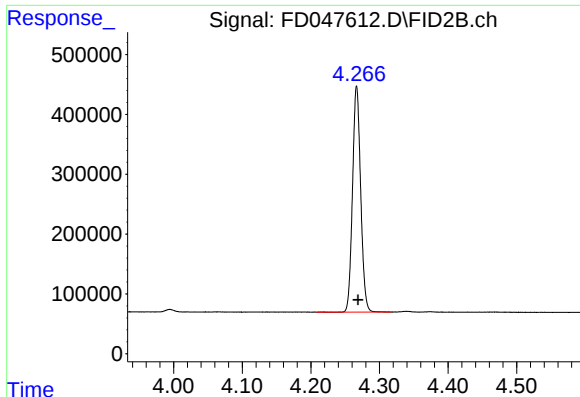
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD042924AR\
Data File : FD047612.D
Signal(s) : FID2B.ch
Acq On : 29 Apr 2024 18:24
Operator : YP/AJ
Sample : 20 PPM AROMATIC HC STD ICV
Misc :
ALS Vial : 71 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD ICV

Integration File: autoint1.e
Quant Time: Apr 29 18:58:15 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 042924.M
Quant Title : GC Extractables
QLast Update : Mon Apr 29 17:13:11 2024
Response via : Initial Calibration
Integrator: ChemStation

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

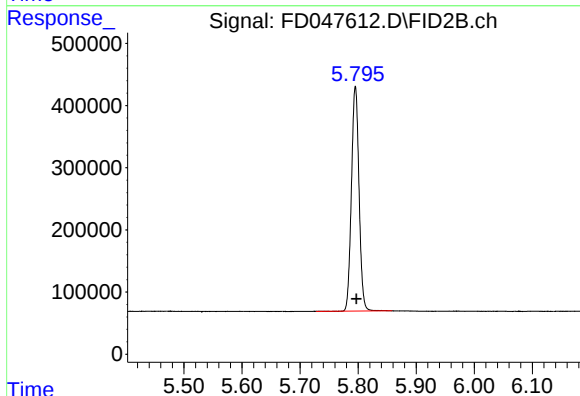




#1 1,2,3-Trimethylbenzene (C10.1)

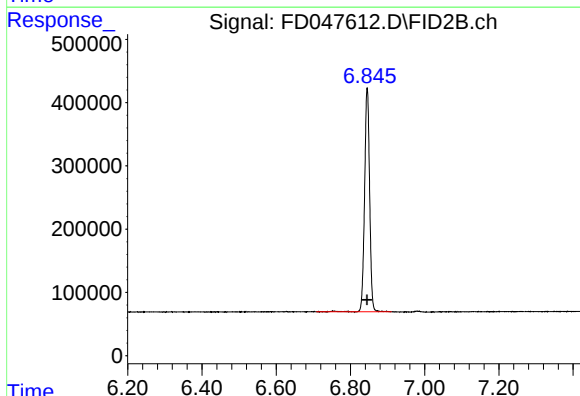
R.T.: 4.267 min
Delta R.T.: -0.002 min
Response: 3118329
Conc: 19.29 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD ICV



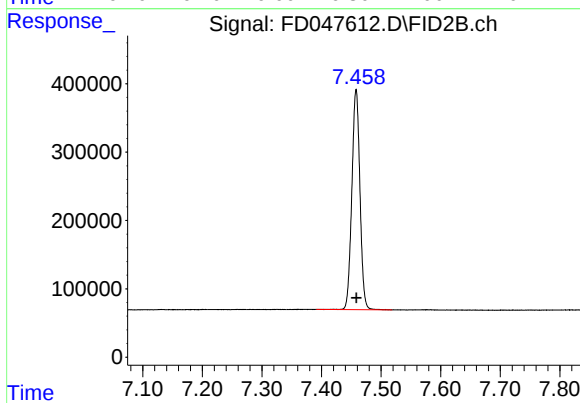
#2 Naphthalene (C11.7)

R.T.: 5.795 min
Delta R.T.: -0.001 min
Response: 3278222
Conc: 19.37 ug/ml



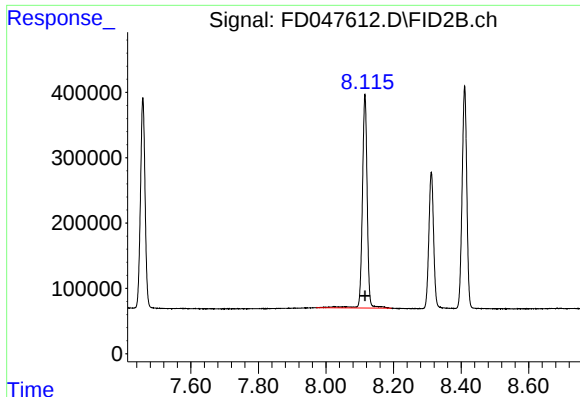
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.845 min
Delta R.T.: 0.000 min
Response: 3326242
Conc: 19.53 ug/ml



#4 2-Bromonaphthalene (SURR)

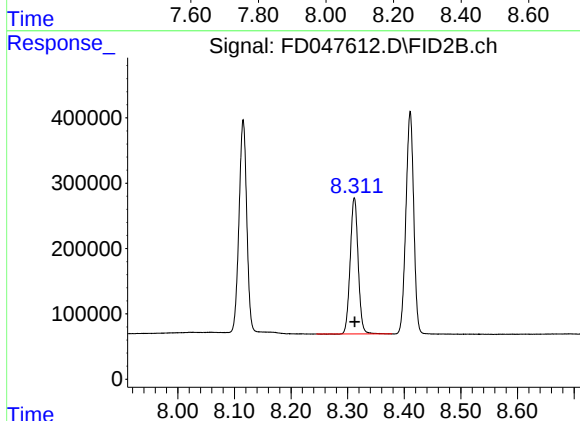
R.T.: 7.458 min
Delta R.T.: 0.000 min
Response: 3036212
Conc: 19.36 ug/ml



#5 Acenaphthylene (C15.06)

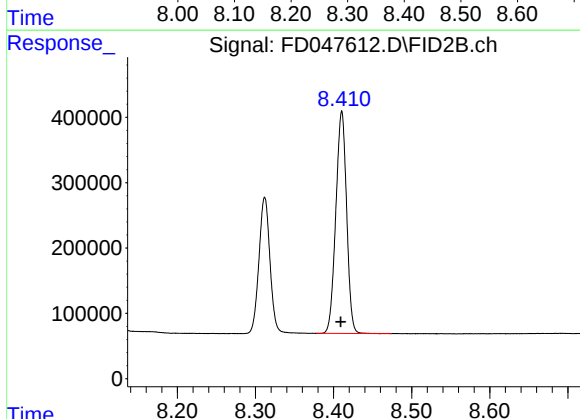
R.T.: 8.115 min
Delta R.T.: 0.000 min
Response: 3252539
Conc: 19.94 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD ICV



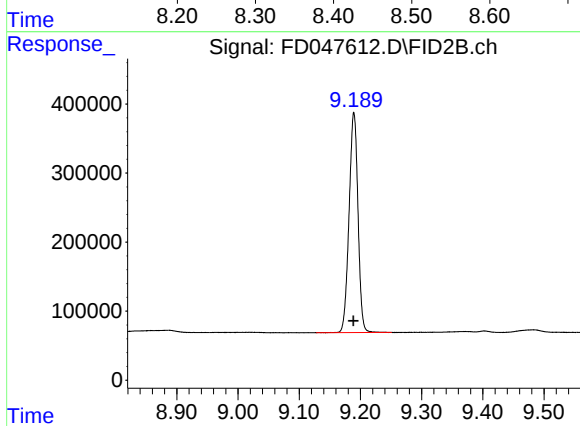
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.312 min
Delta R.T.: 0.000 min
Response: 2041579
Conc: 19.52 ug/ml



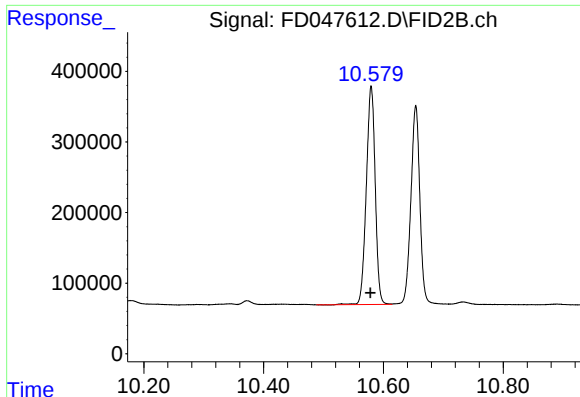
#7 Acenaphthene (C15.5)

R.T.: 8.410 min
Delta R.T.: 0.001 min
Response: 3261712
Conc: 19.40 ug/ml



#8 Fluorene (C16.55)

R.T.: 9.189 min
Delta R.T.: 0.000 min
Response: 3226816
Conc: 19.40 ug/ml



#9 Phenanthrene (C19.36)

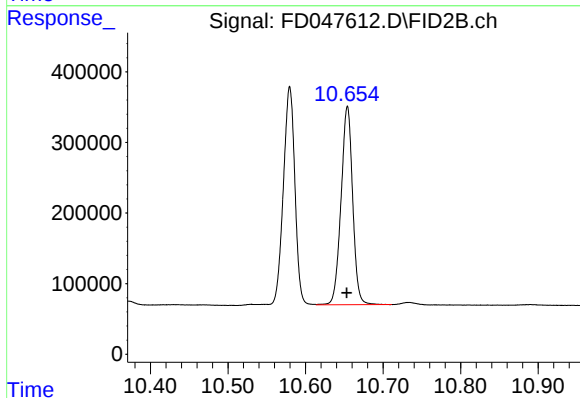
R.T.: 10.580 min
Delta R.T.: 0.001 min
Response: 3200513
Conc: 19.55 ug/ml

Instrument :

FID_D

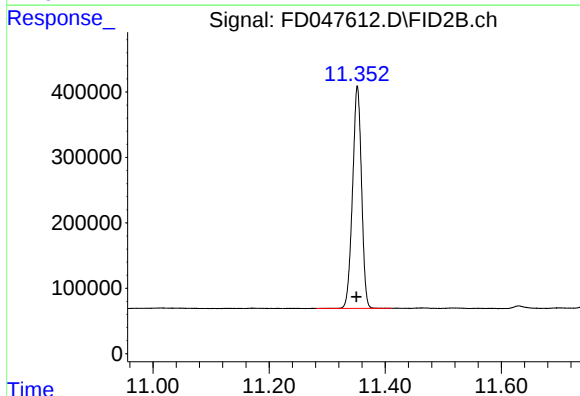
ClientSampleId :

20 PPM AROMATIC HC STD ICV



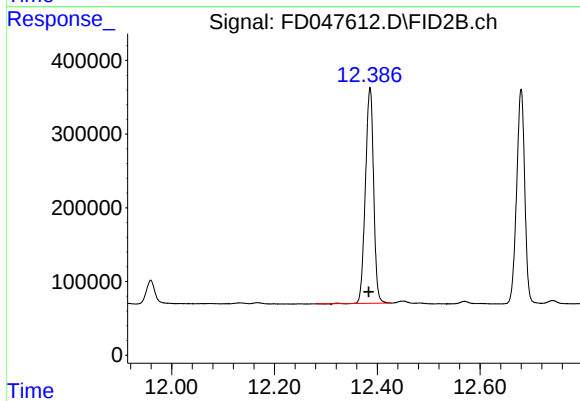
#10 Anthracene (C19.43)

R.T.: 10.654 min
Delta R.T.: 0.000 min
Response: 2927440
Conc: 19.54 ug/ml



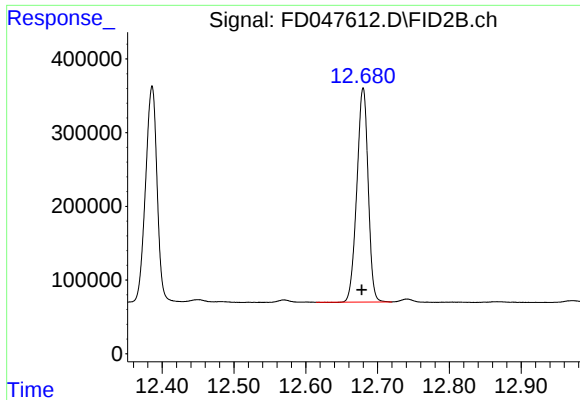
#11 ortho-Terphenyl (SURR)

R.T.: 11.352 min
Delta R.T.: 0.002 min
Response: 3645900
Conc: 19.44 ug/ml



#12 Fluoranthene (C21.85)

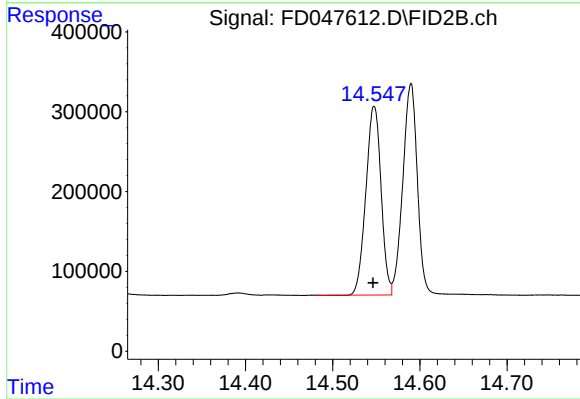
R.T.: 12.386 min
Delta R.T.: 0.002 min
Response: 3243459
Conc: 19.55 ug/ml



#13 Pyrene (C20.8)

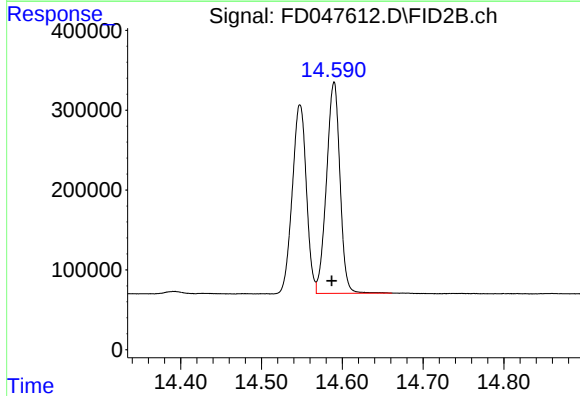
R.T.: 12.680 min
Delta R.T.: 0.002 min
Response: 3166160
Conc: 19.46 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD ICV



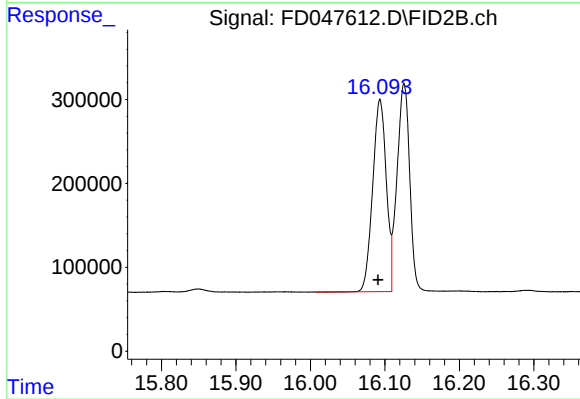
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.548 min
Delta R.T.: 0.001 min
Response: 2860646
Conc: 19.60 ug/ml



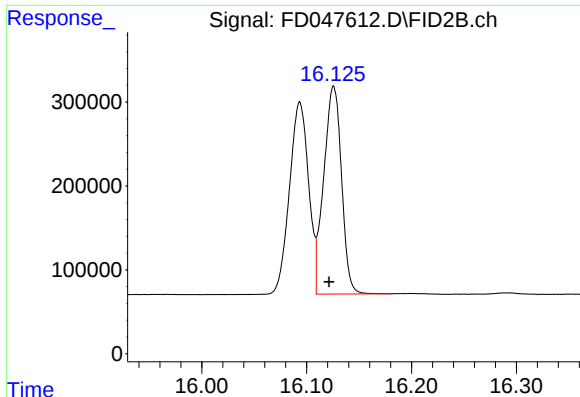
#15 Chrysene (C27.41)

R.T.: 14.590 min
Delta R.T.: 0.003 min
Response: 3069119
Conc: 19.48 ug/ml



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

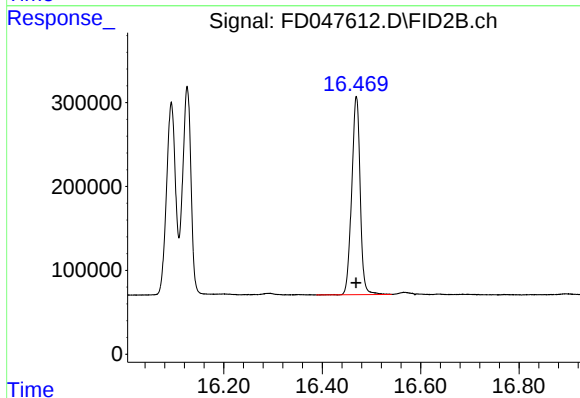
R.T.: 16.093 min
Delta R.T.: 0.003 min
Response: 2897042
Conc: 19.40 ug/ml



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

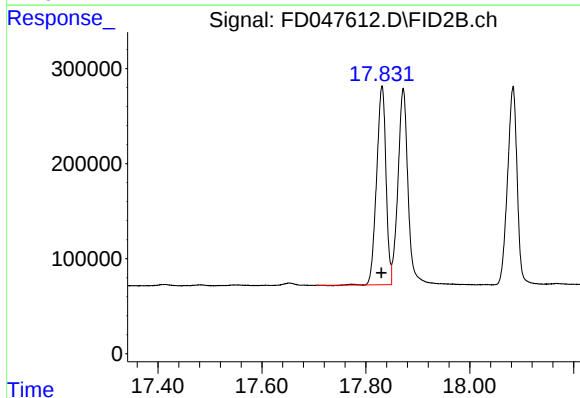
R.T.: 16.126 min
Delta R.T.: 0.004 min
Response: 2921950
Conc: 19.41 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD ICV



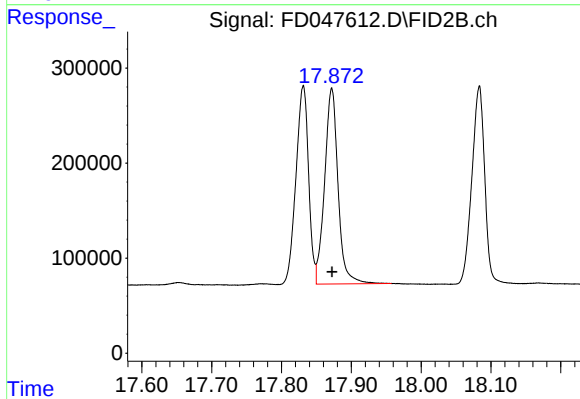
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.469 min
Delta R.T.: 0.000 min
Response: 2815825
Conc: 19.51 ug/ml



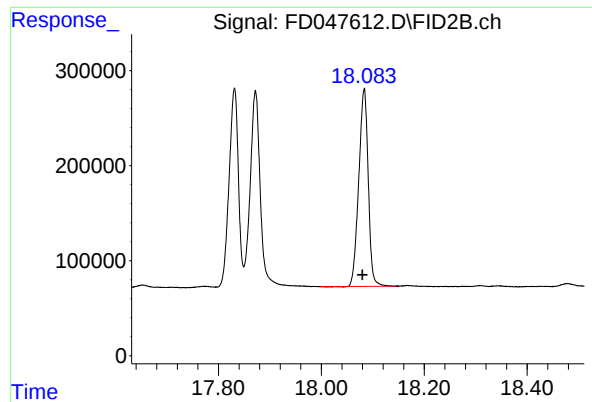
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.831 min
Delta R.T.: 0.001 min
Response: 2615184
Conc: 19.27 ug/ml



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

R.T.: 17.872 min
Delta R.T.: 0.000 min
Response: 2749958
Conc: 19.21 ug/ml



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

R.T.: 18.083 min
Delta R.T.: 0.003 min
Response: 2649075
Conc: 19.29 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD ICV

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD042924AR\
Data File : FD047612.D
Signal(s) : FID2B.ch
Acq On : 29 Apr 2024 18:24
Sample : 20 PPM AROMATIC HC STD ICV
Misc :
ALS Vial : 71 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 042924.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	4.267	4.208	4.318	BB	374162	3118329	85.53%	4.926%
2	5.795	5.728	5.858	BB	360883	3278222	89.92%	5.179%
3	6.845	6.708	6.911	BB	353858	3326242	91.23%	5.254%
4	7.458	7.391	7.518	BB	321784	3036212	83.28%	4.796%
5	8.115	7.971	8.194	BB	324651	3252539	89.21%	5.138%
6	8.312	8.244	8.378	BB	208198	2041579	56.00%	3.225%
7	8.410	8.378	8.474	BB	340982	3261712	89.46%	5.152%
8	9.189	9.128	9.251	BB	316757	3226816	88.51%	5.097%
9	10.580	10.488	10.614	BV	308915	3200513	87.78%	5.056%
10	10.654	10.614	10.711	VV	281652	2927440	80.29%	4.624%
11	11.352	11.281	11.411	BB	338945	3645900	100.00%	5.759%
12	12.386	12.281	12.428	BV	290740	3243459	88.96%	5.124%
13	12.680	12.614	12.720	BV	292064	3166160	86.84%	5.002%
14	14.548	14.481	14.568	BV	237002	2860646	78.46%	4.519%
15	14.590	14.568	14.661	VB	266782	3069119	84.18%	4.848%
16	16.094	16.008	16.109	BV	228396	2897042	79.46%	4.576%
17	16.126	16.109	16.181	VB	247649	2921950	80.14%	4.616%
18	16.469	16.388	16.541	BV	235629	2815825	77.23%	4.448%
19	17.831	17.704	17.850	BV	209191	2615184	71.73%	4.131%
20	17.872	17.850	17.958	VB	205448	2749958	75.43%	4.344%
21	18.083	17.998	18.144	BB	209563	2649075	72.66%	4.185%
Sum of corrected areas:						63303922		

Aromatic EPH 042924.M Mon Apr 29 18:59:34 2024