

Initial Calibration Report for SequenceID : FD081125AR

AreaCount

Parameter Range	FD049605.D	FD049606.D	FD049607.D	FD049608.D	FD049609.D	
Aromatic C10-C12	21248208.000	10706275.000	4323481.000	2259486.000	1053332.000	
Aromatic C12-C16	36818737.000	18573883.000	7415425.000	3854530.000	1789065.000	
Aromatic C16-C21	50607212.000	25605422.000	10134035.000	5257097.000	2395676.000	
Aromatic C21-C36	99935947.000	50494933.000	20336032.000	10453913.000	4981852.000	
Aromatic EPH	208610104.000	105380513.000	42208973.000	21825026.000	10219925.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aromatic C10-C12	107939.663	2.772				
Aromatic C12-C16	123580.1519996	2.666				
Aromatic C16-C21	126486.3605	3.348				
Aromatic C21-C36	112618.2539996	1.932				
Aromatic EPH	117007.1949996	2.388				

Concentration

Parameter Range	FD049605.D	FD049606.D	FD049607.D	FD049608.D	FD049609.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	FD049605.D	FD049606.D	FD049607.D	FD049608.D	FD049609.D	
Aromatic C10-C12	106241.040000	107062.750000	108087.025000	112974.300000	105333.200000	
Aromatic C12-C16	122729.123333	123825.886666	123590.416666	128484.333333	119271.000000	
Aromatic C16-C21	126518.030000	128027.110000	126675.437500	131427.425000	119783.800000	
Aromatic C21-C36	111039.941111	112210.962222	112977.955555	116154.588888	110707.822222	
Aromatic EPH	115894.502222	117089.458888	117247.147222	121250.144444	113554.722222	

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD081125AR\
 Data File : FD049605.D
 Signal(s) : FID2B.ch
 Acq On : 11 Aug 2025 10:39
 Operator : YP/AJ
 Sample : 100 PPM AROMATIC HC STD1
 Misc :
 ALS Vial : 61 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 100 PPM AROMATIC HC STD1

Integration File: autoint1.e
 Quant Time: Aug 11 12:30:37 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 081125.M
 Quant Title : GC Extractables
 QLast Update : Mon Aug 11 12:28:11 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...	7.718	10200327	99.624 ug/ml
Spiked Amount 50.000		Recovery =	199.25%
6) S 2-Fluorobiphenyl (SURR)	8.585	7342726	100.298 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	200.60%#
11) S ortho-Terphenyl (SURR)	11.633	12735425	99.064 ug/ml
Spiked Amount 50.000		Recovery =	198.13%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.507	9872310	98.594 ug/ml
2) T Naphthalene (C11.7)	6.053	11375898	99.617 ug/ml
3) T 2-Methylnaphthalene (...)	7.110	11900671	99.814 ug/ml
5) T Acenaphthylene (C15.06)	8.390	12459323	99.536 ug/ml
7) T Acenaphthene (C15.5)	8.688	12458743	99.608 ug/ml
8) T Flouorene (C16.55)	9.470	12598476	99.741 ug/ml
9) T Phenanthrene (C19.36)	10.869	12906091	100.034 ug/ml
10) T Anthracene (C19.43)	10.946	12367340	100.028 ug/ml
12) T Fluoranthene (C21.85)	12.686	12816378	99.939 ug/ml
13) T Pyrene (C20.8)	12.985	12735305	99.947 ug/ml
14) T Benzo[a]anthracene (C...	14.856	11649435	100.300 ug/ml
15) T Chrysene (C27.41)	14.904	11783614	100.111 ug/ml
16) T benzo[b]fluoranthene ...	16.408	11290529	99.519 ug/ml
17) T Bnezo[k]fluoranthene ...	16.448	10514497	99.479 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.792	10929465	99.023 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.157	10293944	99.925 ug/ml
20) T Dibenz[a,h]anthracene...	18.198	10048965	96.503 ug/ml
21) T Benzo[g,h,i]perylene ...	18.419	10609120	98.208 ug/ml

(f)=RT Delta > 1/2 Window

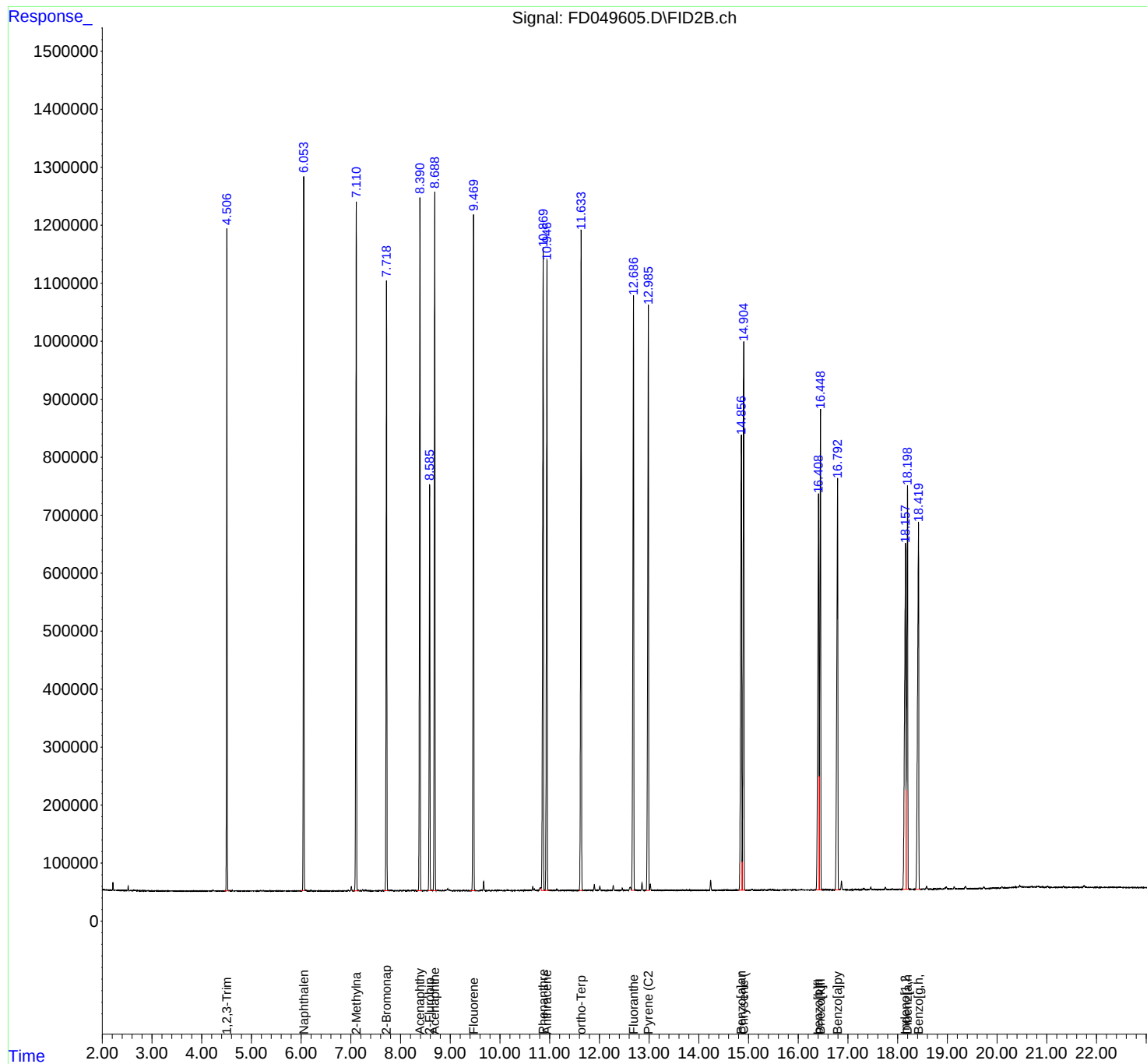
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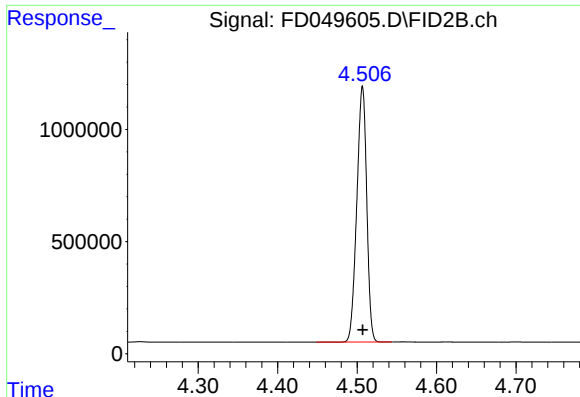
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD081125AR\
Data File : FD049605.D
Signal(s) : FID2B.ch
Acq On : 11 Aug 2025 10:39
Operator : YP/AJ
Sample : 100 PPM AROMATIC HC STD1
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
100 PPM AROMATIC HC STD1

Integration File: autoint1.e
Quant Time: Aug 11 12:30:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 081125.M
Quant Title : GC Extractables
QLast Update : Mon Aug 11 12:28:11 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)

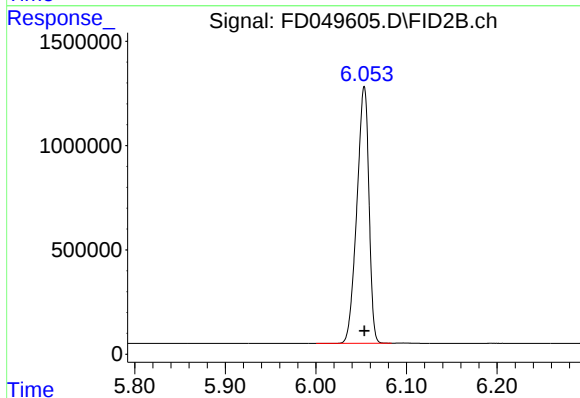
R.T.: 4.507 min
Delta R.T.: 0.000 min
Response: 9872310
Conc: 98.59 ug/ml

Instrument :

FID_D

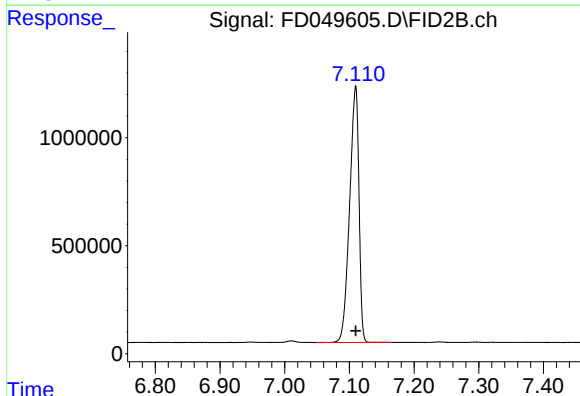
ClientSampleId :

100 PPM AROMATIC HC STD1



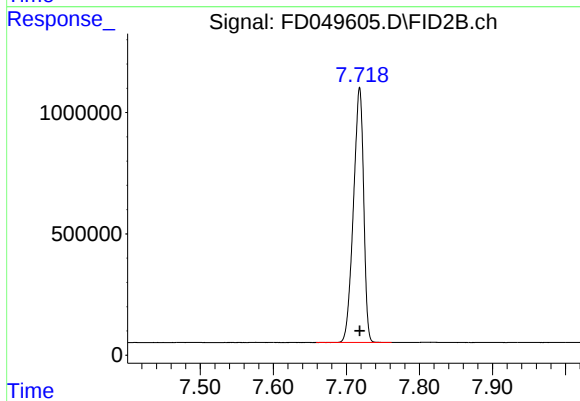
#2 Naphthalene (C11.7)

R.T.: 6.053 min
Delta R.T.: 0.000 min
Response: 11375898
Conc: 99.62 ug/ml



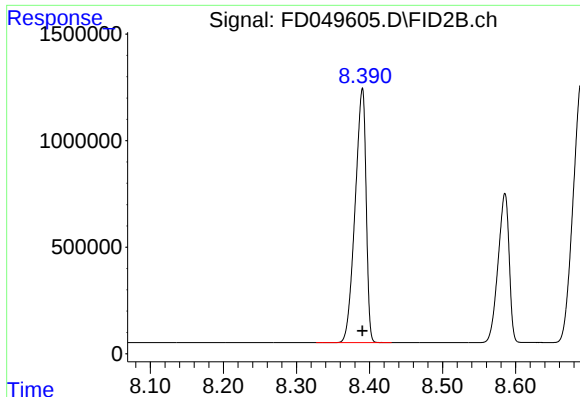
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.110 min
Delta R.T.: 0.000 min
Response: 11900671
Conc: 99.81 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.718 min
Delta R.T.: 0.000 min
Response: 10200327
Conc: 99.62 ug/ml



#5 Acenaphthylene (C15.06)

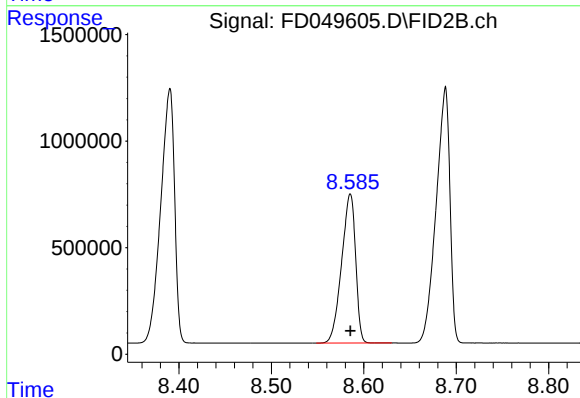
R.T.: 8.390 min
Delta R.T.: 0.000 min
Response: 12459323
Conc: 99.54 ug/ml

Instrument :

FID_D

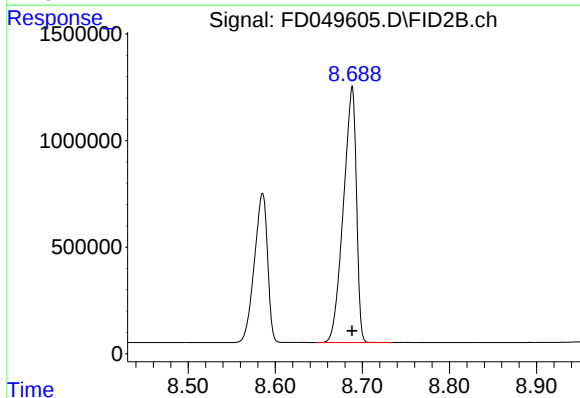
ClientSampleId :

100 PPM AROMATIC HC STD1



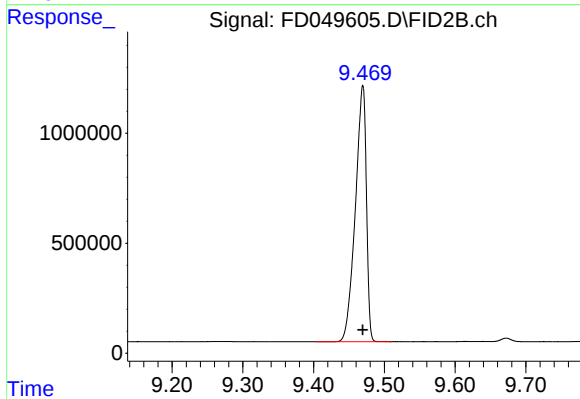
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.585 min
Delta R.T.: 0.000 min
Response: 7342726
Conc: 100.30 ug/ml



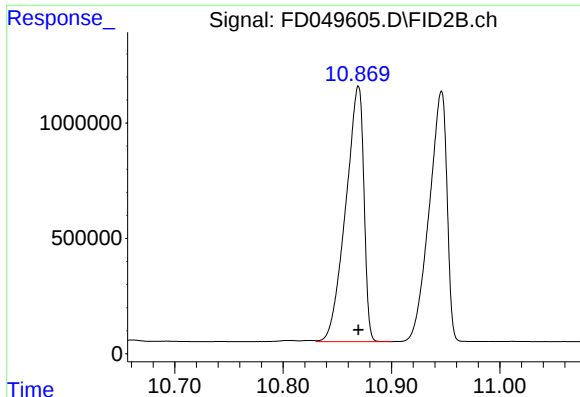
#7 Acenaphthene (C15.5)

R.T.: 8.688 min
Delta R.T.: 0.000 min
Response: 12458743
Conc: 99.61 ug/ml



#8 Fluorene (C16.55)

R.T.: 9.470 min
Delta R.T.: 0.000 min
Response: 12598476
Conc: 99.74 ug/ml



#9 Phenanthrene (C19.36)

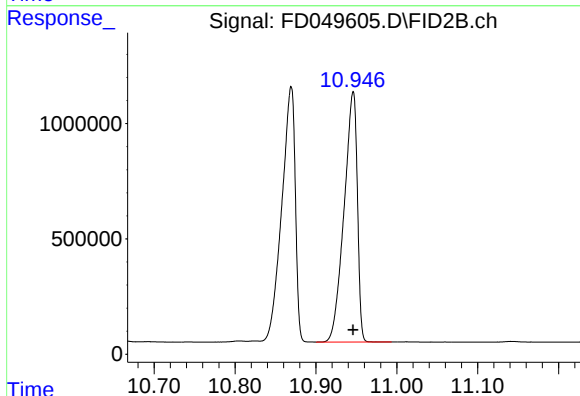
R.T.: 10.869 min
Delta R.T.: 0.000 min
Response: 12906091
Conc: 100.03 ug/ml

Instrument :

FID_D

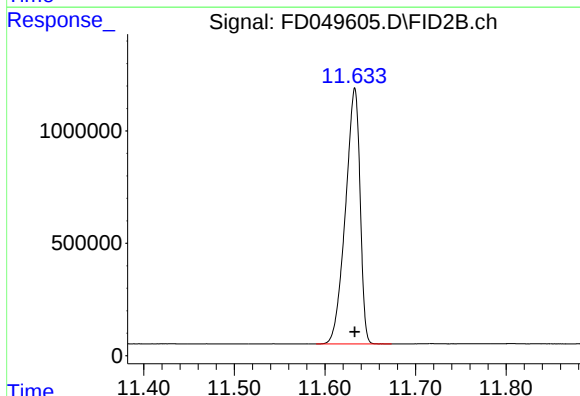
ClientSampleId :

100 PPM AROMATIC HC STD1



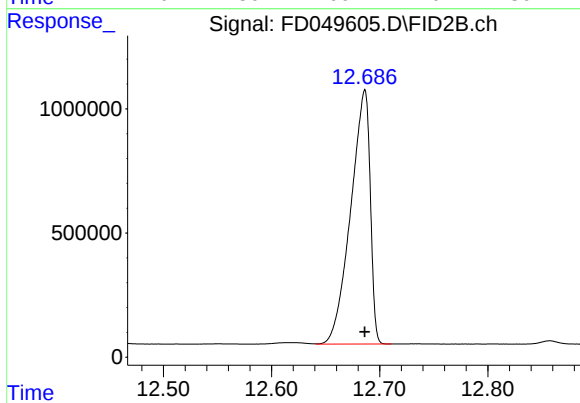
#10 Anthracene (C19.43)

R.T.: 10.946 min
Delta R.T.: 0.000 min
Response: 12367340
Conc: 100.03 ug/ml



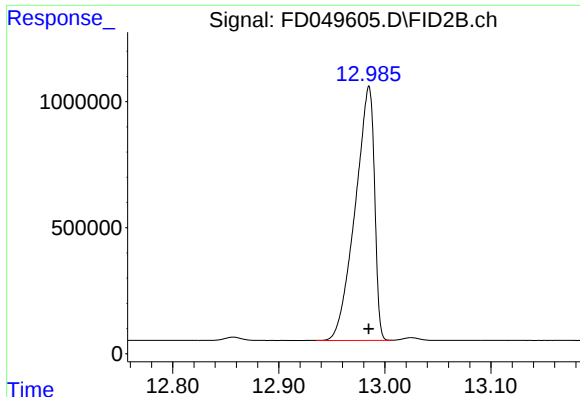
#11 ortho-Terphenyl (SURR)

R.T.: 11.633 min
Delta R.T.: 0.000 min
Response: 12735425
Conc: 99.06 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.686 min
Delta R.T.: 0.000 min
Response: 12816378
Conc: 99.94 ug/ml



#13 Pyrene (C20.8)

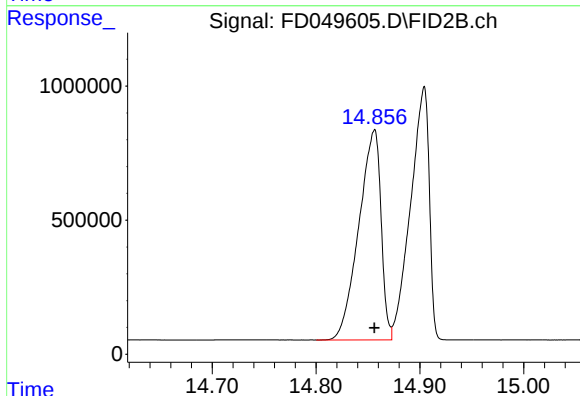
R.T.: 12.985 min
Delta R.T.: 0.000 min
Response: 12735305
Conc: 99.95 ug/ml

Instrument :

FID_D

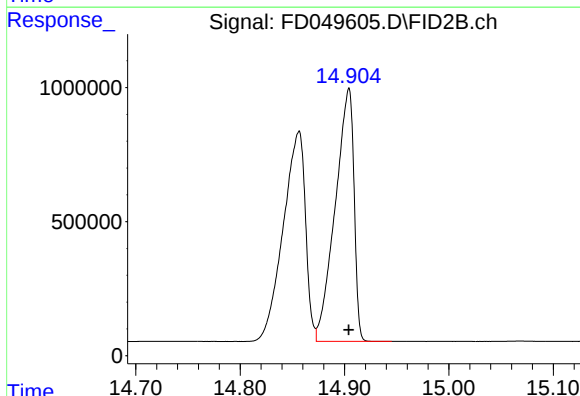
ClientSampleId :

100 PPM AROMATIC HC STD1



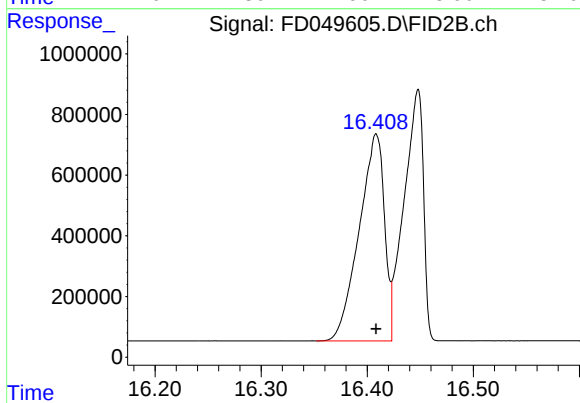
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.856 min
Delta R.T.: 0.000 min
Response: 11649435
Conc: 100.30 ug/ml



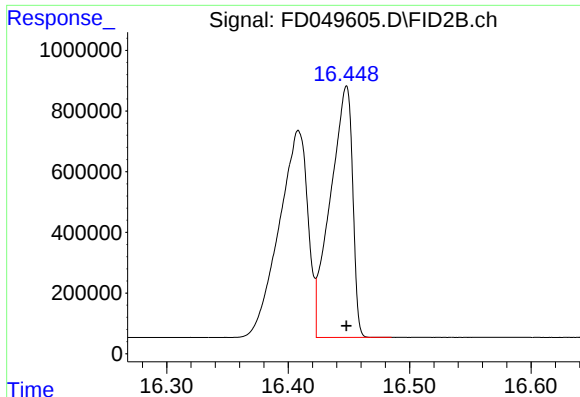
#15 Chrysene (C27.41)

R.T.: 14.904 min
Delta R.T.: 0.000 min
Response: 11783614
Conc: 100.11 ug/ml



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

R.T.: 16.408 min
Delta R.T.: 0.000 min
Response: 11290529
Conc: 99.52 ug/ml



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

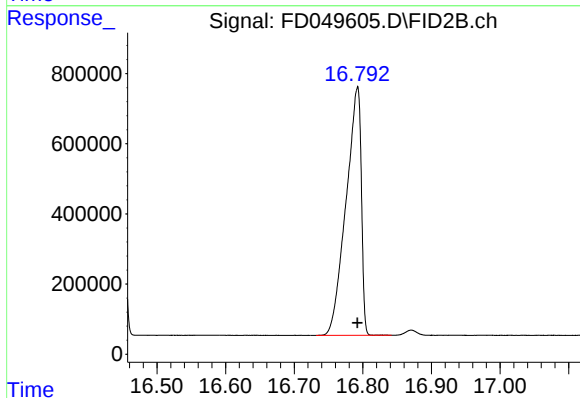
R.T.: 16.448 min
Delta R.T.: 0.000 min
Response: 10514497
Conc: 99.48 ug/ml

Instrument :

FID_D

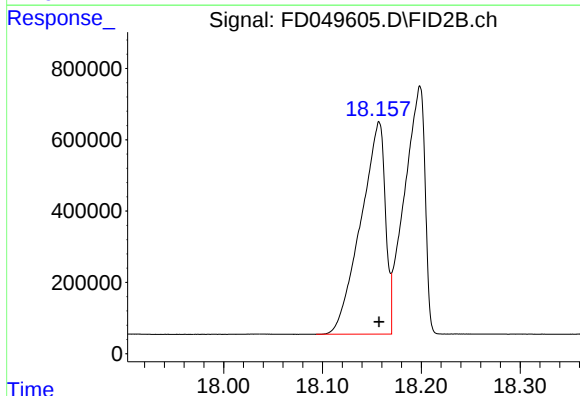
ClientSampleId :

100 PPM AROMATIC HC STD1



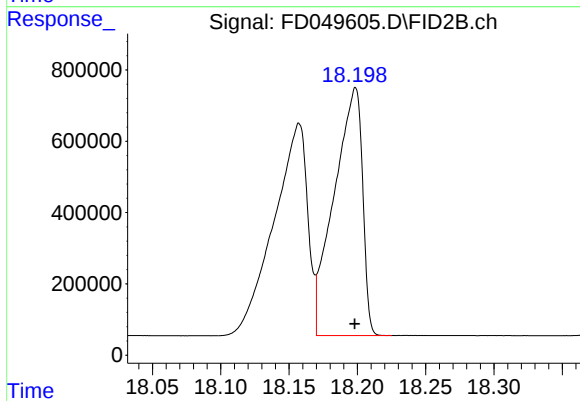
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.792 min
Delta R.T.: 0.000 min
Response: 10929465
Conc: 99.02 ug/ml



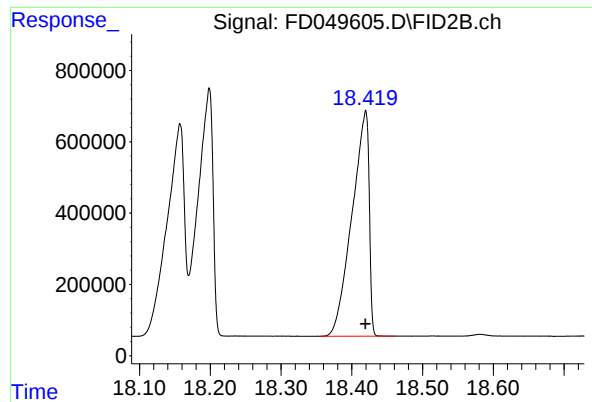
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.157 min
Delta R.T.: 0.000 min
Response: 10293944
Conc: 99.92 ug/ml



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

R.T.: 18.198 min
Delta R.T.: 0.000 min
Response: 10048965
Conc: 96.50 ug/ml



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

R.T.: 18.419 min
Delta R.T.: 0.000 min
Response: 10609120
Conc: 98.21 ug/ml

Instrument :
FID_D
ClientSampleId :
100 PPM AROMATIC HC STD1

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD081125AR\
 Data File : FD049605.D
 Signal(s) : FID2B.ch
 Acq On : 11 Aug 2025 10:39
 Sample : 100 PPM AROMATIC HC STD1
 Misc :
 ALS Vial : 61 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 081125.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	4.507	4.449	4.544	BB	1141335	9872310	76.49%	4.133%
2	6.053	6.000	6.084	BV	1232326	11375898	88.14%	4.762%
3	7.110	7.049	7.165	BB	1193315	11900671	92.21%	4.982%
4	7.718	7.659	7.762	BB	1052763	10200327	79.03%	4.270%
5	8.390	8.327	8.430	BB	1194531	12459323	96.54%	5.216%
6	8.585	8.549	8.630	BB	700871	7342726	56.89%	3.074%
7	8.688	8.647	8.734	BB	1206036	12458743	96.53%	5.215%
8	9.470	9.404	9.510	BB	1170891	12598476	97.62%	5.274%
9	10.869	10.831	10.900	VV	1112371	12906091	100.00%	5.403%
10	10.946	10.900	10.994	PB	1091936	12367340	95.83%	5.177%
11	11.633	11.590	11.674	BB	1140991	12735425	98.68%	5.331%
12	12.686	12.641	12.711	VV	1029175	12816378	99.30%	5.365%
13	12.985	12.935	13.006	BV	1011040	12735305	98.68%	5.331%
14	14.856	14.800	14.873	BV	787772	11649435	90.26%	4.877%
15	14.904	14.873	14.945	VB	941380	11783614	91.30%	4.933%
16	16.408	16.352	16.423	BV	682171	11290529	87.48%	4.726%
17	16.448	16.423	16.485	VB	832070	10514497	81.47%	4.401%
18	16.792	16.732	16.842	BB	705881	10929465	84.68%	4.575%
19	18.157	18.094	18.170	BV	596663	10293944	79.76%	4.309%
20	18.198	18.170	18.225	VB	697209	10048965	77.86%	4.207%
21	18.419	18.355	18.462	BB	635357	10609120	82.20%	4.441%
Sum of corrected areas:						238888581		

Aromatic EPH 081125.M Mon Aug 11 14:16:27 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD081125AR\
 Data File : FD049606.D
 Signal(s) : FID2B.ch
 Acq On : 11 Aug 2025 11:22
 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: Aug 11 12:32:29 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 081125.M
 Quant Title : GC Extractables
 QLast Update : Mon Aug 11 12:28:11 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...	7.716	5149719	50.197 ug/ml
Spiked Amount 50.000		Recovery =	100.39%
6) S 2-Fluorobiphenyl (SURR)	8.582	3690104	50.269 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	100.54%
11) S ortho-Terphenyl (SURR)	11.628	6490866	50.325 ug/ml
Spiked Amount 50.000		Recovery =	100.65%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.508	4987840	49.875 ug/ml
2) T Naphthalene (C11.7)	6.052	5718435	50.050 ug/ml
3) T 2-Methylnaphthalene (...)	7.107	5978513	50.096 ug/ml
5) T Acenaphthylene (C15.06)	8.386	6294153	50.189 ug/ml
7) T Acenaphthene (C15.5)	8.683	6301217	50.252 ug/ml
8) T Flouorene (C16.55)	9.464	6371712	50.295 ug/ml
9) T Phenanthrene (C19.36)	10.863	6554001	50.530 ug/ml
10) T Anthracene (C19.43)	10.938	6232974	50.275 ug/ml
12) T Fluoranthene (C21.85)	12.678	6495094	50.429 ug/ml
13) T Pyrene (C20.8)	12.976	6446735	50.395 ug/ml
14) T Benzo[a]anthracene (C...	14.848	5855556	50.276 ug/ml
15) T Chrysene (C27.41)	14.892	5929995	50.253 ug/ml
16) T benzo[b]fluoranthene ...	16.398	5664067	49.950 ug/ml
17) T Bnezo[k]fluoranthene ...	16.434	5334431	50.109 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.780	5508103	49.936 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.144	5093146	49.625 ug/ml
20) T Dibenz[a,h]anthracene...	18.184	5242339	50.022 ug/ml
21) T Benzo[g,h,i]perylene ...	18.403	5372202	49.820 ug/ml

(f)=RT Delta > 1/2 Window

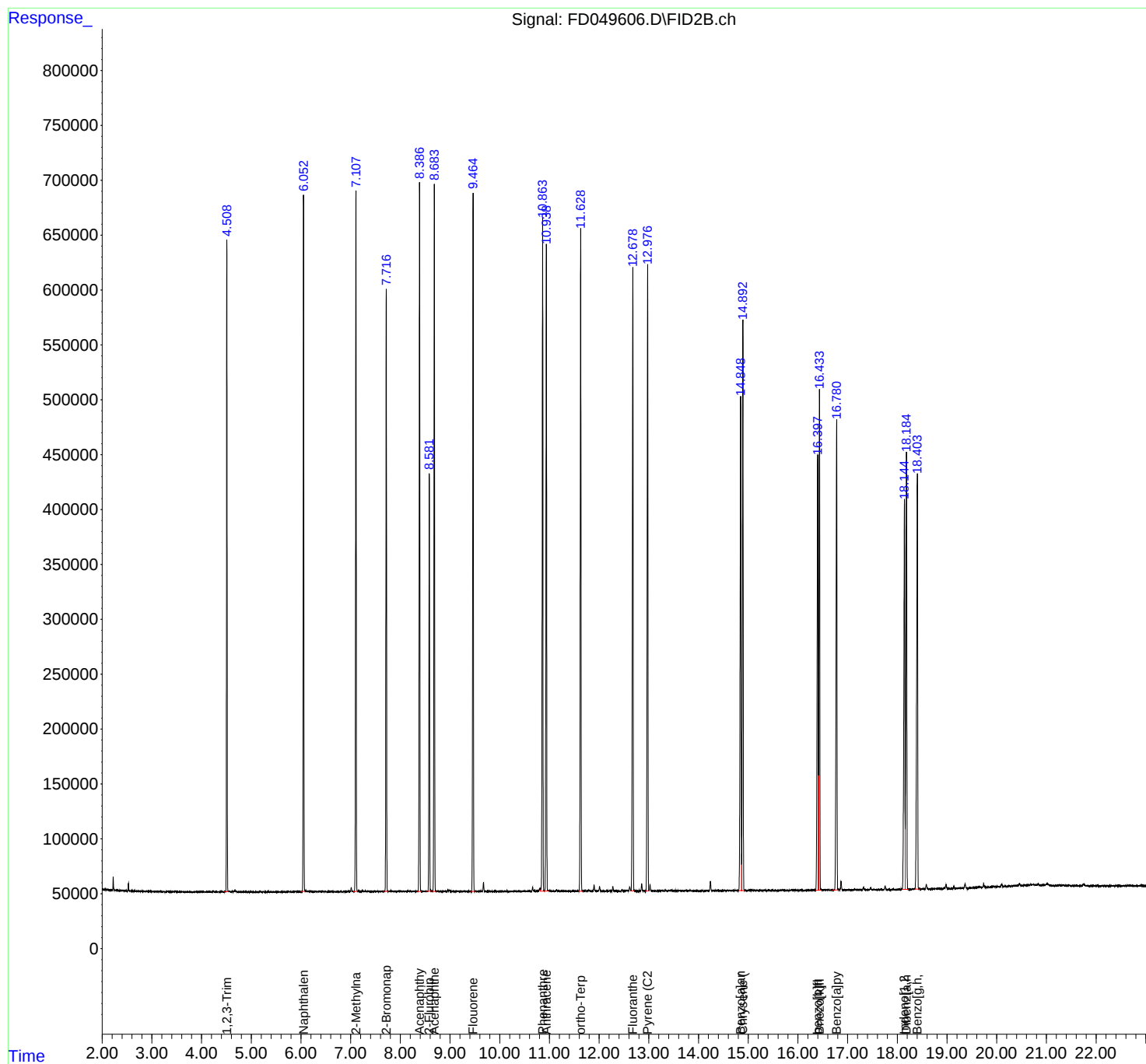
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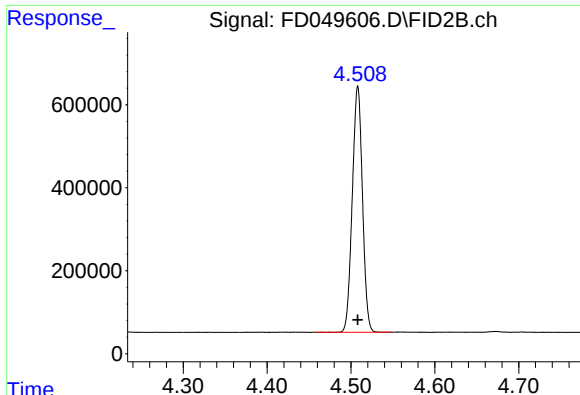
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD081125AR\
Data File : FD049606.D
Signal(s) : FID2B.ch
Acq On : 11 Aug 2025 11:22
Operator : YP/AJ
Sample : 50 PPM AROMATIC HC STD2
Misc :
ALS Vial : 62 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2

Integration File: autoint1.e
Quant Time: Aug 11 12:32:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 081125.M
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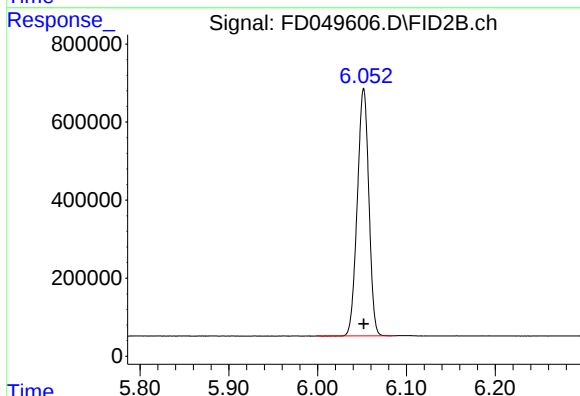




#1 1,2,3-Trimethylbenzene (C10.1)

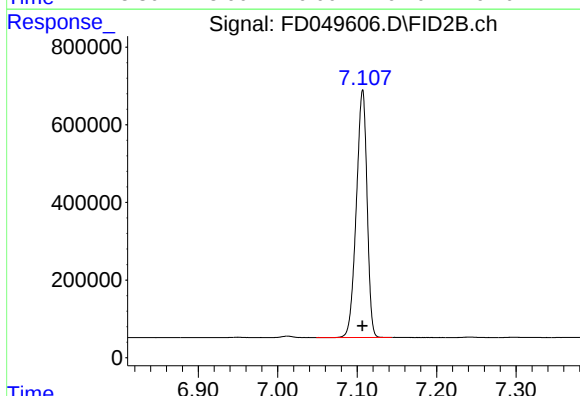
R.T.: 4.508 min
Delta R.T.: 0.000 min
Response: 4987840
Conc: 49.88 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2



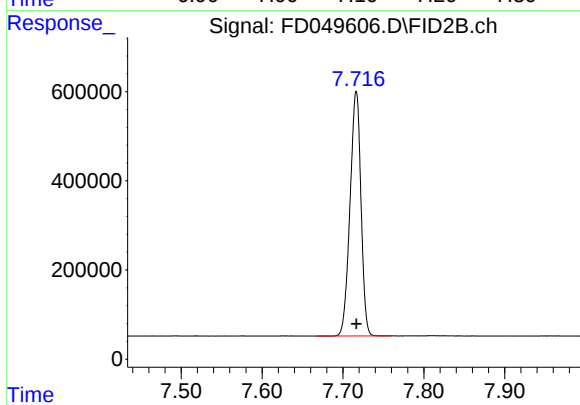
#2 Naphthalene (C11.7)

R.T.: 6.052 min
Delta R.T.: 0.000 min
Response: 5718435
Conc: 50.05 ug/ml



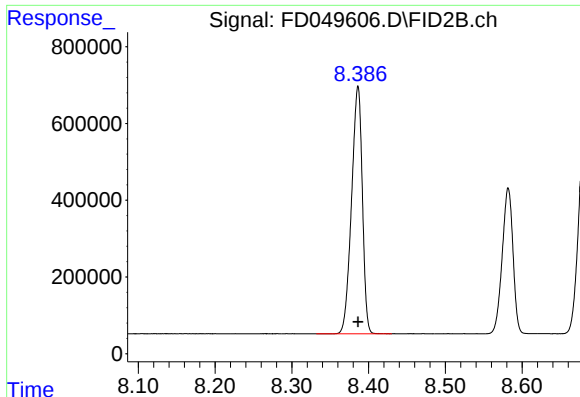
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.107 min
Delta R.T.: 0.000 min
Response: 5978513
Conc: 50.10 ug/ml



#4 2-Bromonaphthalene (SURR)

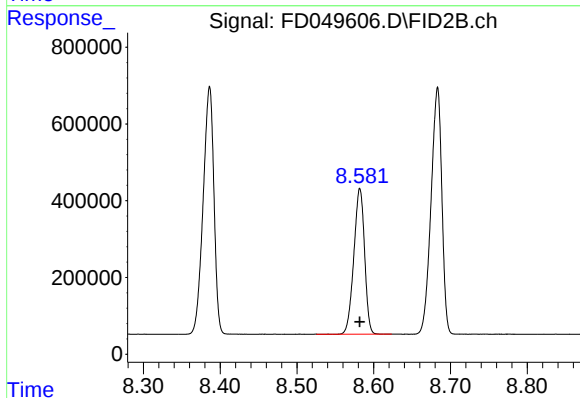
R.T.: 7.716 min
Delta R.T.: 0.000 min
Response: 5149719
Conc: 50.20 ug/ml



#5 Acenaphthylene (C15.06)

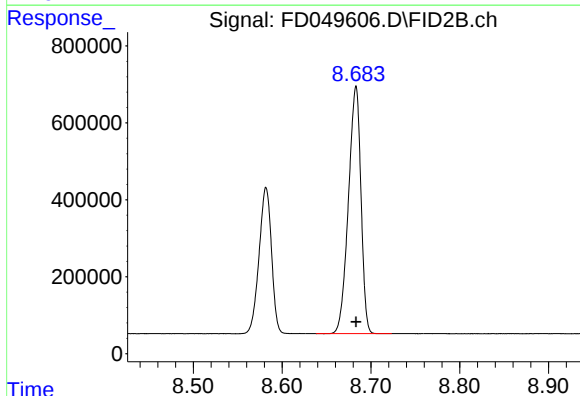
R.T.: 8.386 min
Delta R.T.: 0.000 min
Response: 6294153
Conc: 50.19 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2



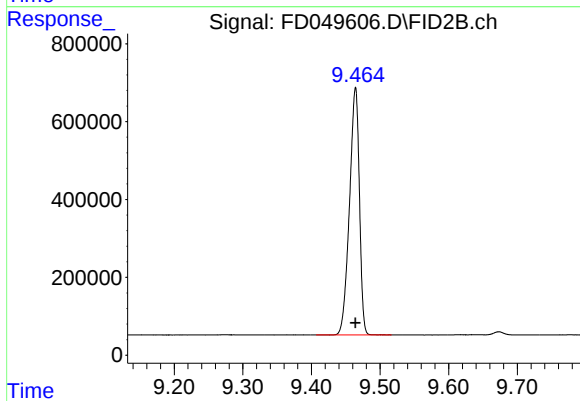
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.582 min
Delta R.T.: 0.000 min
Response: 3690104
Conc: 50.27 ug/ml



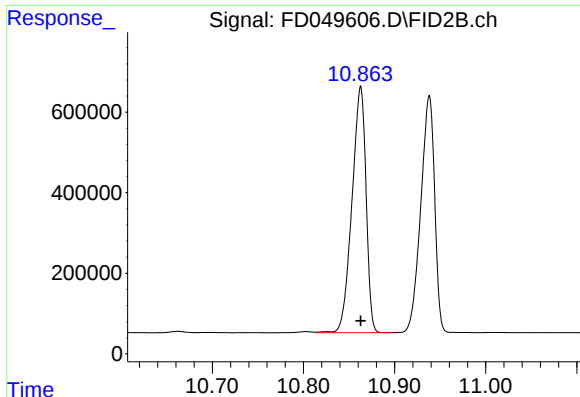
#7 Acenaphthene (C15.5)

R.T.: 8.683 min
Delta R.T.: 0.000 min
Response: 6301217
Conc: 50.25 ug/ml



#8 Fluorene (C16.55)

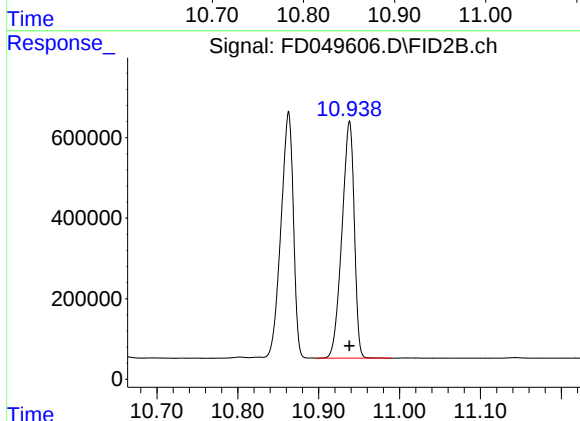
R.T.: 9.464 min
Delta R.T.: 0.000 min
Response: 6371712
Conc: 50.30 ug/ml



#9 Phenanthrene (C19.36)

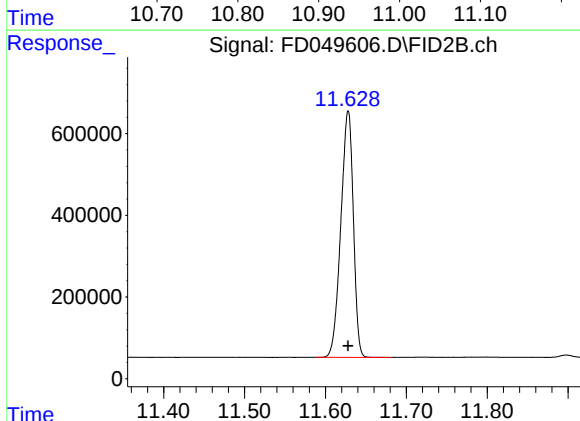
R.T.: 10.863 min
Delta R.T.: 0.000 min
Response: 6554001
Conc: 50.53 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2



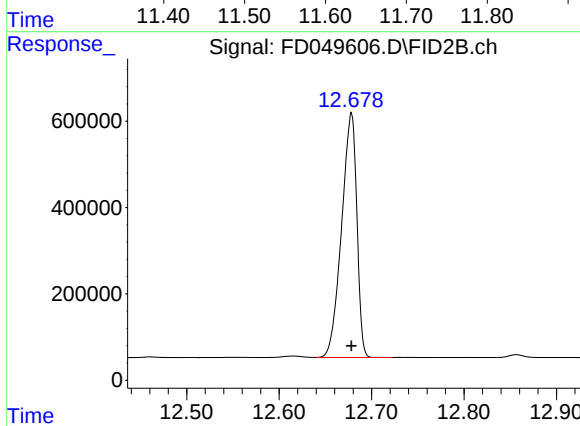
#10 Anthracene (C19.43)

R.T.: 10.938 min
Delta R.T.: 0.000 min
Response: 6232974
Conc: 50.27 ug/ml



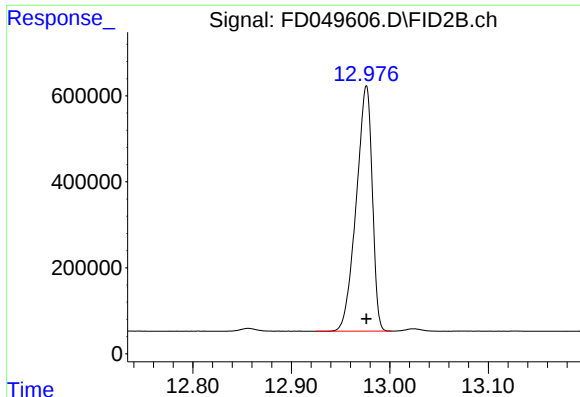
#11 ortho-Terphenyl (SURR)

R.T.: 11.628 min
Delta R.T.: 0.000 min
Response: 6490866
Conc: 50.33 ug/ml



#12 Fluoranthene (C21.85)

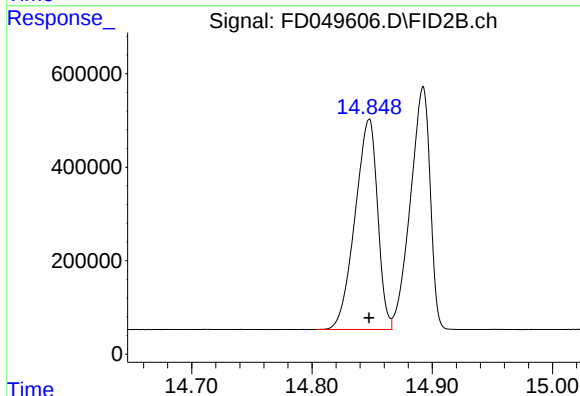
R.T.: 12.678 min
Delta R.T.: 0.000 min
Response: 6495094
Conc: 50.43 ug/ml



#13 Pyrene (C20.8)

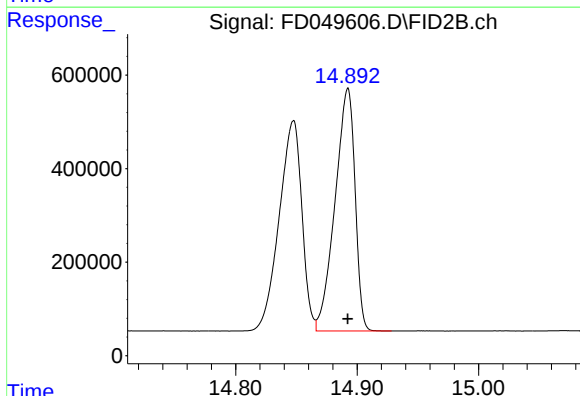
R.T.: 12.976 min
Delta R.T.: 0.000 min
Response: 6446735
Conc: 50.39 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2



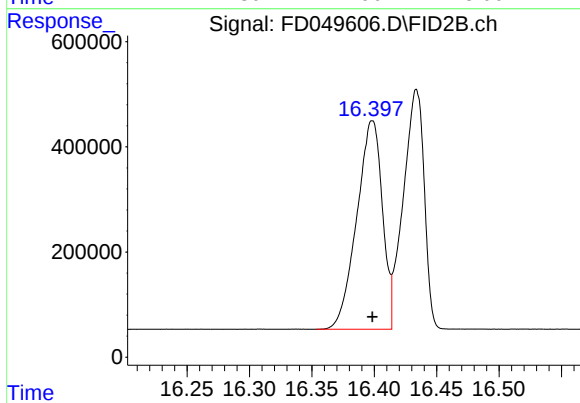
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.848 min
Delta R.T.: 0.000 min
Response: 5855556
Conc: 50.28 ug/ml



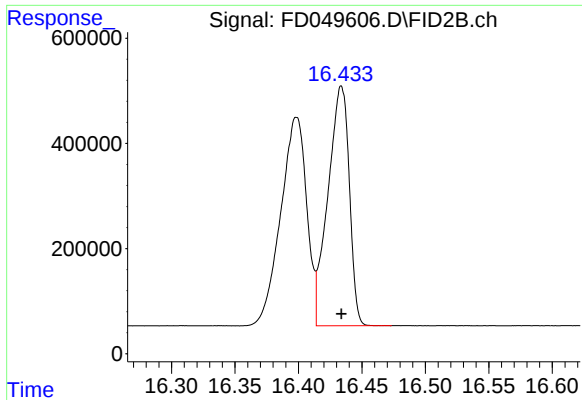
#15 Chrysene (C27.41)

R.T.: 14.892 min
Delta R.T.: 0.000 min
Response: 5929995
Conc: 50.25 ug/ml



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

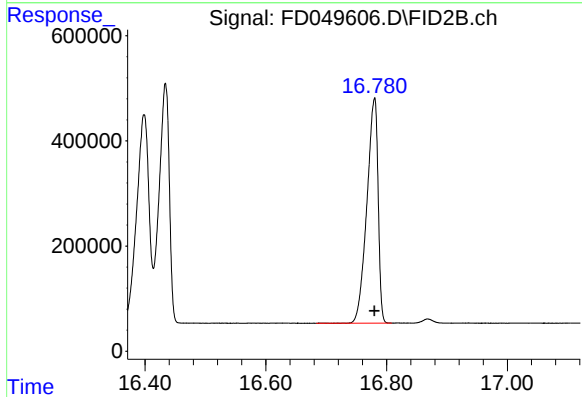
R.T.: 16.398 min
Delta R.T.: 0.000 min
Response: 5664067
Conc: 49.95 ug/ml



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

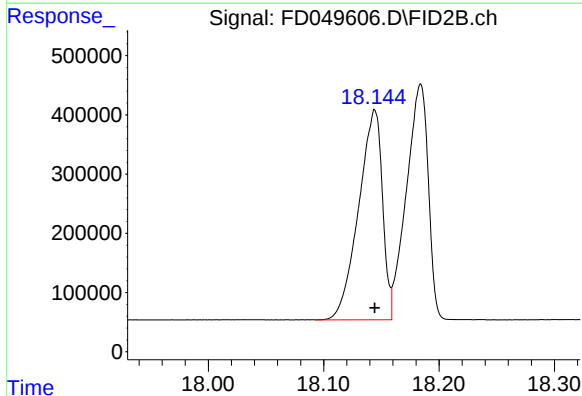
R.T.: 16.434 min
Delta R.T.: 0.000 min
Response: 5334431
Conc: 50.11 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2



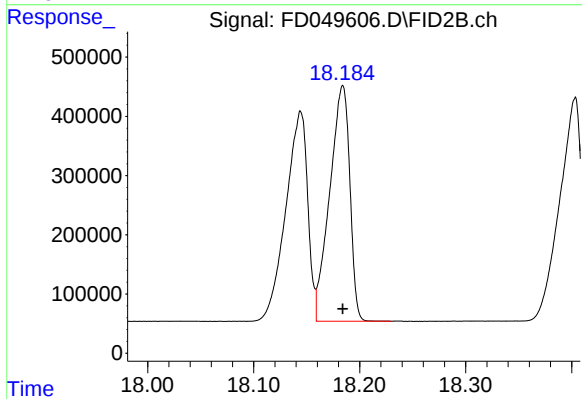
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.780 min
Delta R.T.: 0.000 min
Response: 5508103
Conc: 49.94 ug/ml



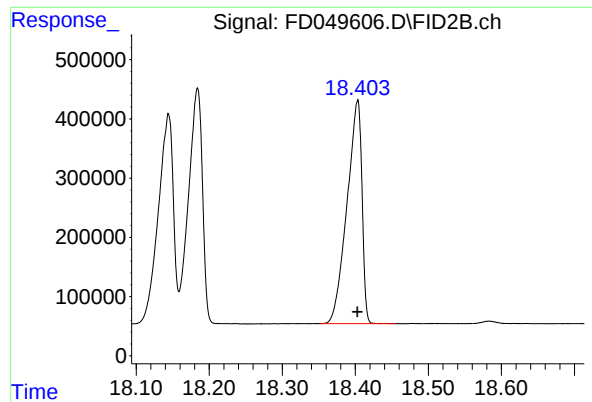
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.144 min
Delta R.T.: 0.000 min
Response: 5093146
Conc: 49.63 ug/ml



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

R.T.: 18.184 min
Delta R.T.: 0.000 min
Response: 5242339
Conc: 50.02 ug/ml



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

R.T.: 18.403 min
Delta R.T.: 0.000 min
Response: 5372202
Conc: 49.82 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD081125AR\
 Data File : FD049606.D
 Signal(s) : FID2B.ch
 Acq On : 11 Aug 2025 11:22
 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 081125.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	4.508	4.458	4.548	BB	594060	4987840	76.10%	4.132%
2	6.052	5.998	6.083	BV	633679	5718435	87.25%	4.737%
3	7.107	7.048	7.143	BB	638187	5978513	91.22%	4.953%
4	7.717	7.667	7.760	BB	548709	5149719	78.57%	4.266%
5	8.386	8.332	8.430	BB	646941	6294153	96.04%	5.214%
6	8.582	8.525	8.623	BB	380406	3690104	56.30%	3.057%
7	8.683	8.638	8.723	BB	644877	6301217	96.14%	5.220%
8	9.464	9.407	9.517	BB	634560	6371712	97.22%	5.278%
9	10.863	10.814	10.897	VV	613072	6554001	100.00%	5.429%
10	10.938	10.897	10.990	VB	589694	6232974	95.10%	5.164%
11	11.628	11.588	11.682	BB	604101	6490866	99.04%	5.377%
12	12.678	12.640	12.722	VB	567673	6495094	99.10%	5.381%
13	12.976	12.925	13.002	BV	572311	6446735	98.36%	5.341%
14	14.848	14.803	14.866	BV	449499	5855556	89.34%	4.851%
15	14.892	14.866	14.928	VB	517700	5929995	90.48%	4.913%
16	16.398	16.353	16.414	BV	396670	5664067	86.42%	4.692%
17	16.434	16.414	16.473	VB	456635	5334431	81.39%	4.419%
18	16.780	16.683	16.808	BB	428347	5508103	84.04%	4.563%
19	18.144	18.093	18.159	BV	353390	5093146	77.71%	4.219%
20	18.184	18.159	18.230	VB	398025	5242339	79.99%	4.343%
21	18.403	18.352	18.455	BB	378020	5372202	81.97%	4.450%
Sum of corrected areas:						120711201		

Aromatic EPH 081125.M Mon Aug 11 14:16:59 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD081125AR\
 Data File : FD049607.D
 Signal(s) : FID2B.ch
 Acq On : 11 Aug 2025 12:06
 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: Aug 11 12:28:29 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 081125.M
 Quant Title : GC Extractables
 QLast Update : Mon Aug 11 12:28:11 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...	7.715	2055465	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
6) S 2-Fluorobiphenyl (SURR)	8.579	1459830	20.000 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	40.00%
11) S ortho-Terphenyl (SURR)	11.625	2595234	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.508	2030793	20.000 ug/ml
2) T Naphthalene (C11.7)	6.051	2292688	20.000 ug/ml
3) T 2-Methylnaphthalene (...)	7.105	2388988	20.000 ug/ml
5) T Acenaphthylene (C15.06)	8.383	2515082	20.000 ug/ml
7) T Acenaphthene (C15.5)	8.679	2511355	20.000 ug/ml
8) T Flouorene (C16.55)	9.460	2532761	20.000 ug/ml
9) T Phenanthrene (C19.36)	10.858	2579454	20.000 ug/ml
10) T Anthracene (C19.43)	10.933	2472061	20.000 ug/ml
12) T Fluoranthene (C21.85)	12.672	2566419	20.000 ug/ml
13) T Pyrene (C20.8)	12.969	2549759	20.000 ug/ml
14) T Benzo[a]anthracene (C...	14.840	2315935	20.000 ug/ml
15) T Chrysene (C27.41)	14.883	2351504	20.000 ug/ml
16) T benzo[b]fluoranthene ...	16.391	2279925	20.000 ug/ml
17) T Bnezo[k]fluoranthene ...	16.424	2150720	20.000 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.770	2229041	20.000 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.134	2061894	20.000 ug/ml
20) T Dibenz[a,h]anthracene...	18.174	2181315	20.000 ug/ml
21) T Benzo[g,h,i]perylene ...	18.389	2199279	20.000 ug/ml

(f)=RT Delta > 1/2 Window

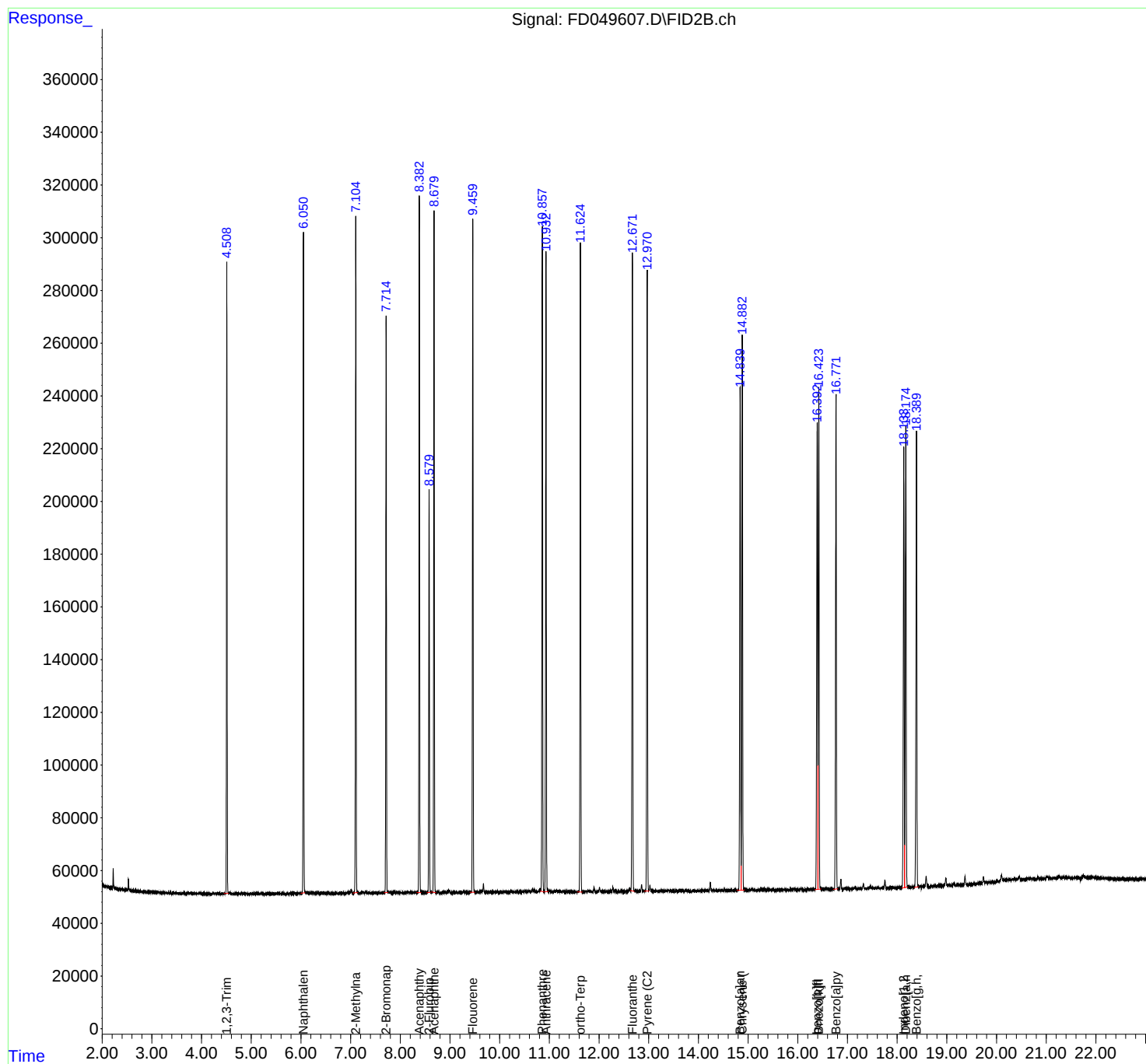
(m)=manual int.

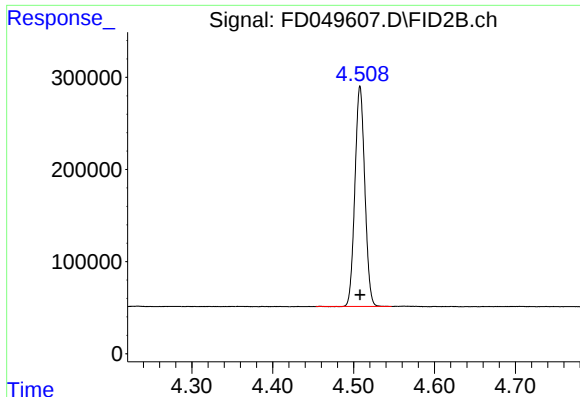
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD081125AR\
Data File : FD049607.D
Signal(s) : FID2B.ch
Acq On : 11 Aug 2025 12:06
Operator : YP/AJ
Sample : 20 PPM AROMATIC HC STD3
Misc :
ALS Vial : 63 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3

Integration File: autoint1.e
Quant Time: Aug 11 12:28:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 081125.M
Quant Title : GC Extractables
QLast Update : Mon Aug 11 12:28:11 2025
Response via : Initial Calibration
Integrator: ChemStation

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

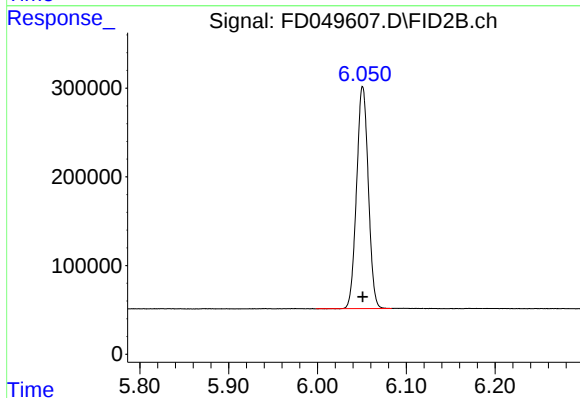




#1 1,2,3-Trimethylbenzene (C10.1)

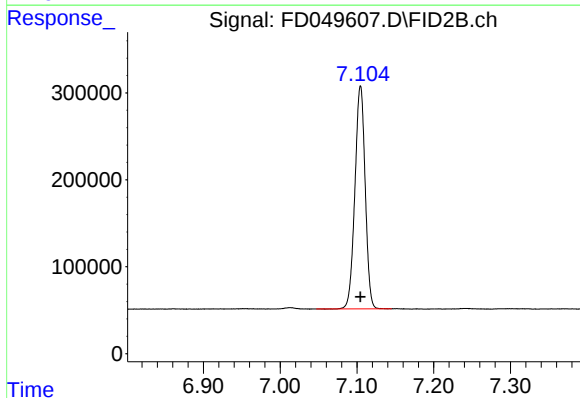
R.T.: 4.508 min
Delta R.T.: 0.000 min
Response: 2030793
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3



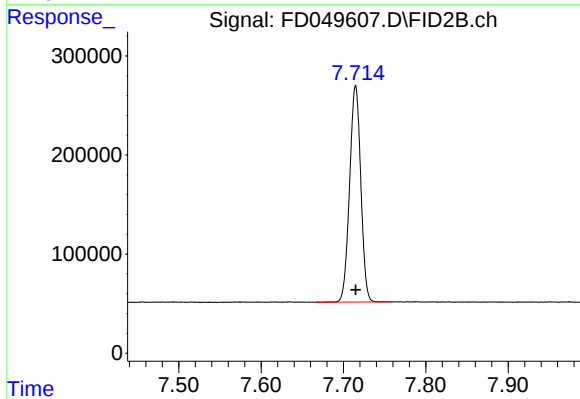
#2 Naphthalene (C11.7)

R.T.: 6.051 min
Delta R.T.: 0.000 min
Response: 2292688
Conc: 20.00 ug/ml



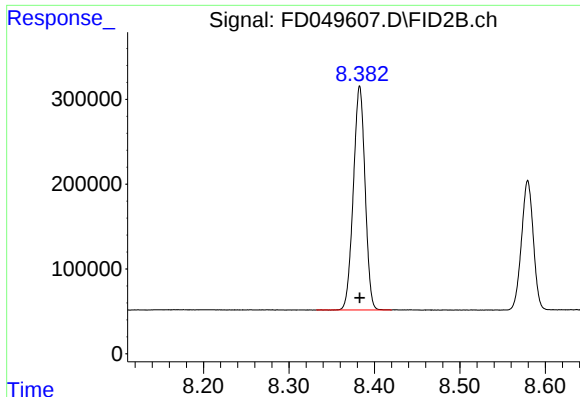
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.105 min
Delta R.T.: 0.000 min
Response: 2388988
Conc: 20.00 ug/ml



#4 2-Bromonaphthalene (SURR)

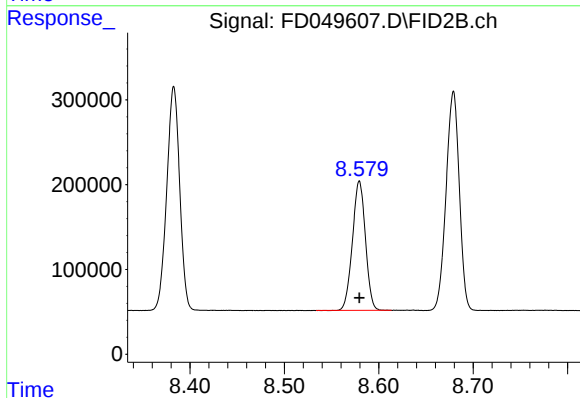
R.T.: 7.715 min
Delta R.T.: 0.000 min
Response: 2055465
Conc: 20.00 ug/ml



#5 Acenaphthylene (C15.06)

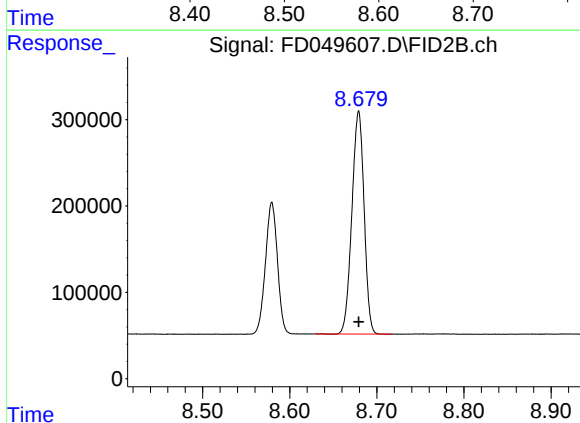
R.T.: 8.383 min
Delta R.T.: 0.000 min
Response: 2515082
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3



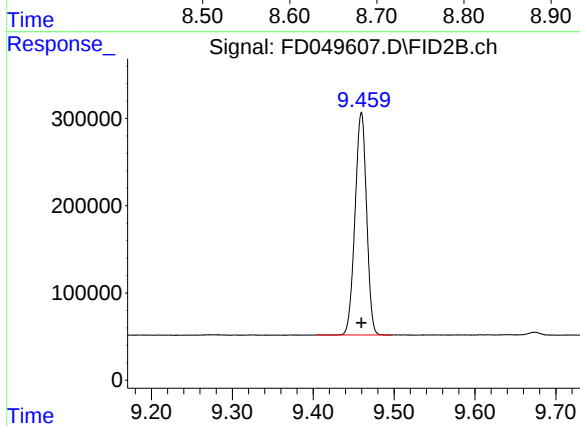
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.579 min
Delta R.T.: 0.000 min
Response: 1459830
Conc: 20.00 ug/ml



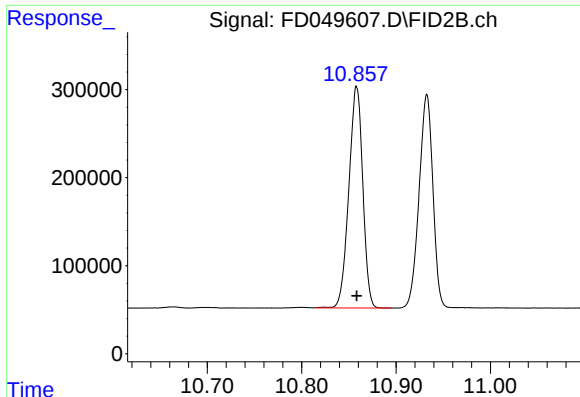
#7 Acenaphthene (C15.5)

R.T.: 8.679 min
Delta R.T.: 0.000 min
Response: 2511355
Conc: 20.00 ug/ml



#8 Fluorene (C16.55)

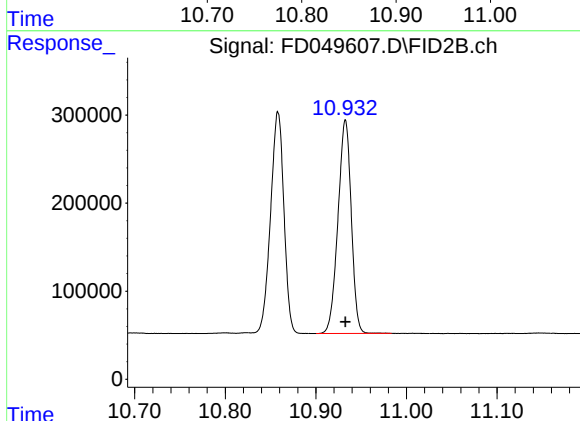
R.T.: 9.460 min
Delta R.T.: 0.000 min
Response: 2532761
Conc: 20.00 ug/ml



#9 Phenanthrene (C19.36)

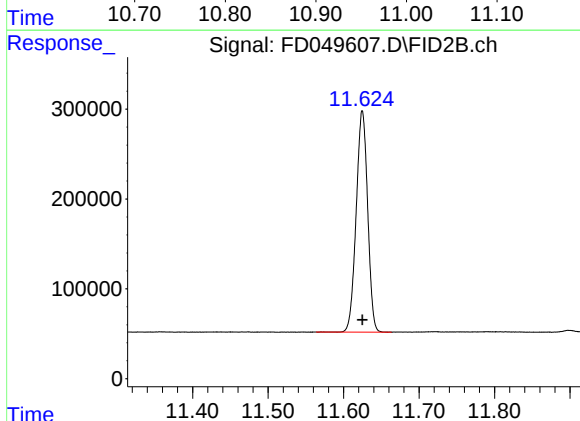
R.T.: 10.858 min
Delta R.T.: 0.000 min
Response: 2579454
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3



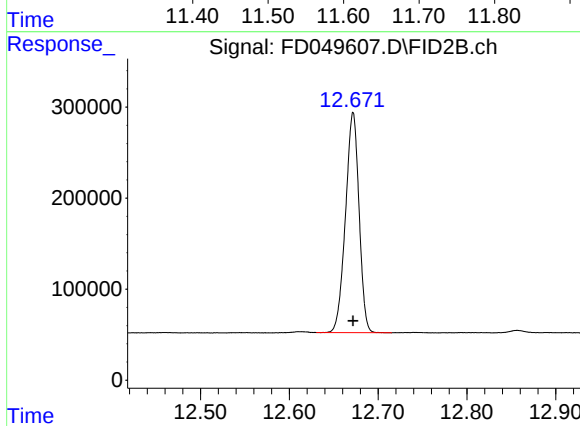
#10 Anthracene (C19.43)

R.T.: 10.933 min
Delta R.T.: 0.000 min
Response: 2472061
Conc: 20.00 ug/ml



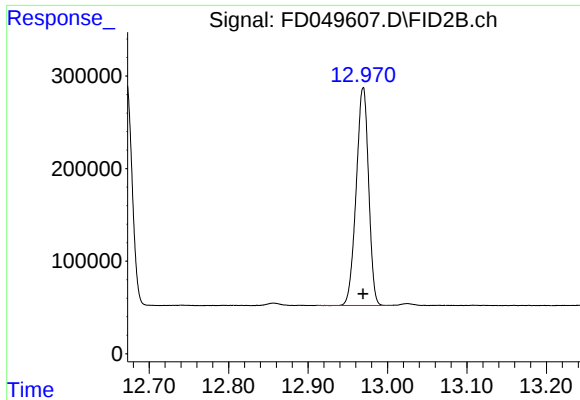
#11 ortho-Terphenyl (SURR)

R.T.: 11.625 min
Delta R.T.: 0.000 min
Response: 2595234
Conc: 20.00 ug/ml



#12 Fluoranthene (C21.85)

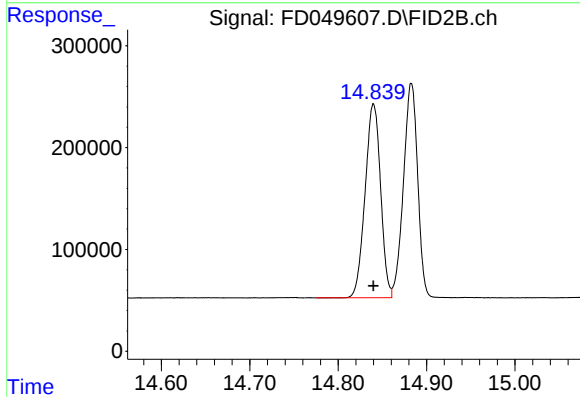
R.T.: 12.672 min
Delta R.T.: 0.000 min
Response: 2566419
Conc: 20.00 ug/ml



#13 Pyrene (C20.8)

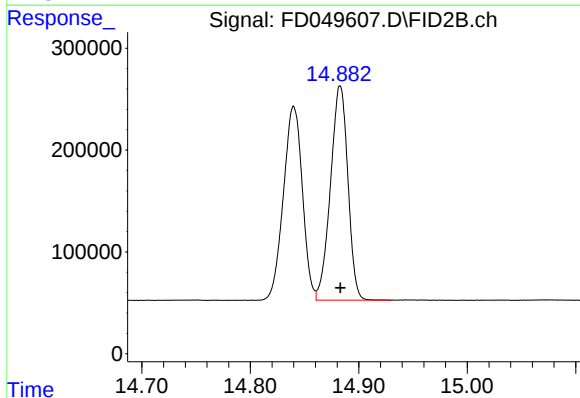
R.T.: 12.969 min
Delta R.T.: 0.000 min
Response: 2549759
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3



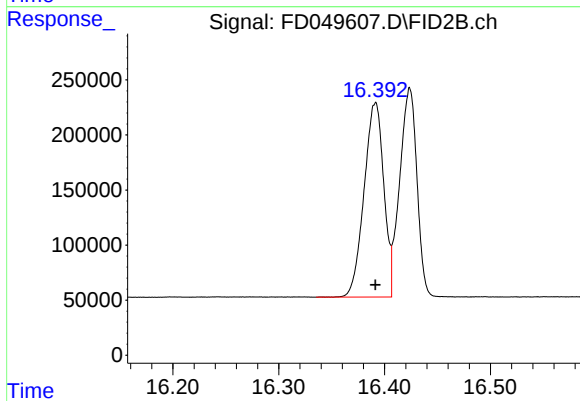
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.840 min
Delta R.T.: 0.000 min
Response: 2315935
Conc: 20.00 ug/ml



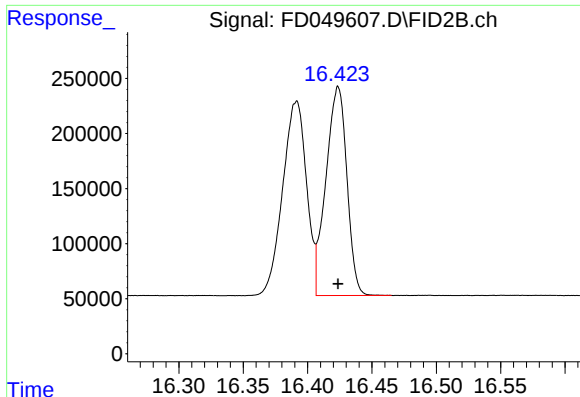
#15 Chrysene (C27.41)

R.T.: 14.883 min
Delta R.T.: 0.000 min
Response: 2351504
Conc: 20.00 ug/ml



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

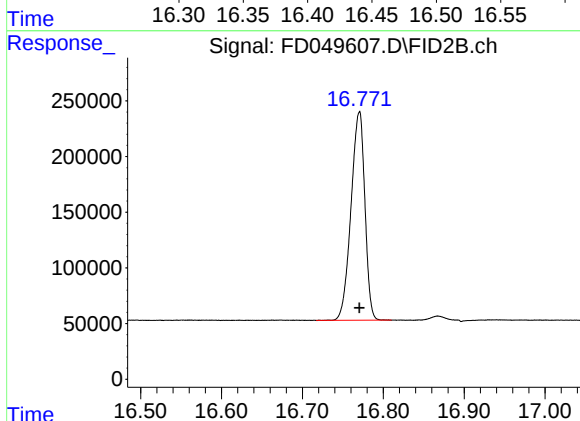
R.T.: 16.391 min
Delta R.T.: 0.000 min
Response: 2279925
Conc: 20.00 ug/ml



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

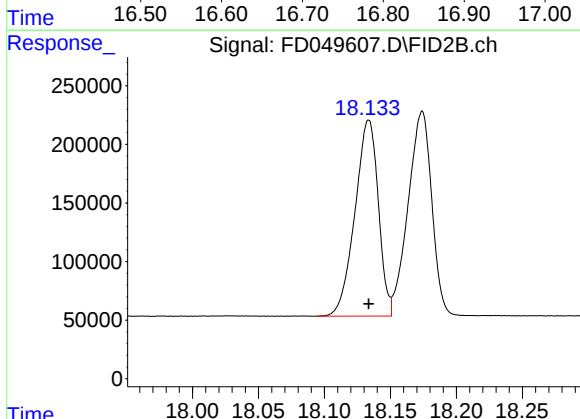
R.T.: 16.424 min
Delta R.T.: 0.000 min
Response: 2150720
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3



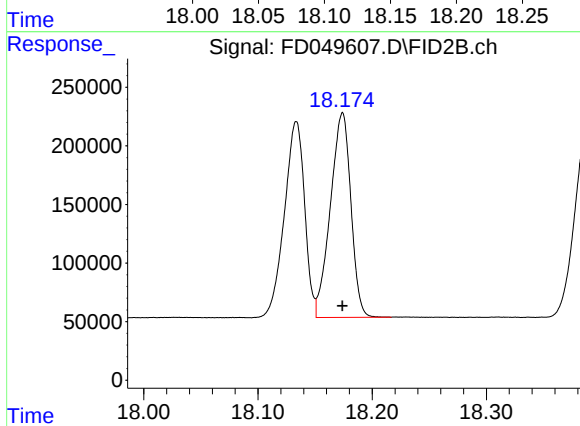
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.770 min
Delta R.T.: 0.000 min
Response: 2229041
Conc: 20.00 ug/ml



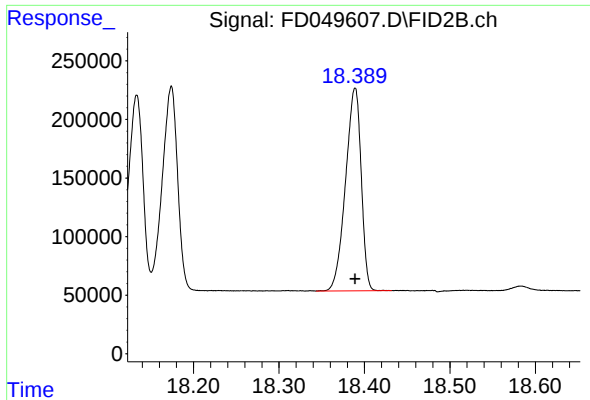
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.134 min
Delta R.T.: 0.000 min
Response: 2061894
Conc: 20.00 ug/ml



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

R.T.: 18.174 min
Delta R.T.: 0.000 min
Response: 2181315
Conc: 20.00 ug/ml



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

R.T.: 18.389 min
Delta R.T.: 0.000 min
Response: 2199279
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\FD081125AR\
Data File : FD049607.D
Signal(s) : FID2B.ch
Acq On : 11 Aug 2025 12:06
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 081125.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	4.508	4.454	4.547	BB	239366	2030793	78.25%	4.203%
2	6.051	5.999	6.084	BB	251063	2292688	88.34%	4.745%
3	7.105	7.047	7.145	BB	257204	2388988	92.05%	4.944%
4	7.715	7.667	7.759	BB	218613	2055465	79.20%	4.254%
5	8.383	8.332	8.420	BB	263921	2515082	96.91%	5.205%
6	8.580	8.534	8.614	BB	152589	1459830	56.25%	3.021%
7	8.679	8.630	8.717	BB	257790	2511355	96.77%	5.197%
8	9.460	9.404	9.497	BB	255731	2532761	97.59%	5.242%
9	10.858	10.815	10.895	BB	251224	2579454	99.39%	5.338%
10	10.933	10.900	10.984	BB	242357	2472061	95.25%	5.116%
11	11.625	11.564	11.664	BB	246386	2595234	100.00%	5.371%
12	12.672	12.630	12.715	BB	242358	2566419	98.89%	5.311%
13	12.969	12.910	13.005	BV	235436	2549759	98.25%	5.277%
14	14.840	14.775	14.861	BV	190466	2315935	89.24%	4.793%
15	14.883	14.861	14.930	VB	210656	2351504	90.61%	4.867%
16	16.391	16.335	16.407	BV	177186	2279925	87.85%	4.718%
17	16.424	16.407	16.465	VB	190164	2150720	82.87%	4.451%
18	16.770	16.717	16.810	BB	187082	2229041	85.89%	4.613%
19	18.134	18.094	18.151	BV	167493	2061894	79.45%	4.267%
20	18.174	18.151	18.217	VB	174460	2181315	84.05%	4.514%
21	18.389	18.344	18.432	BB	173101	2199279	84.74%	4.552%
Sum of corrected areas:							48319501	

Aromatic EPH 081125.M Mon Aug 11 14:17:24 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD081125AR\
 Data File : FD049608.D
 Signal(s) : FID2B.ch
 Acq On : 11 Aug 2025 12:51
 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: Aug 11 13:20:19 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 081125.M
 Quant Title : GC Extractables
 QLast Update : Mon Aug 11 13:20:05 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...	7.714	1068284	10.307 ug/ml
Spiked Amount 50.000		Recovery =	20.61%
6) S 2-Fluorobiphenyl (SURR)	8.578	754720	10.210 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	20.42%
11) S ortho-Terphenyl (SURR)	11.624	1353873	10.368 ug/ml
Spiked Amount 50.000		Recovery =	20.74%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.508	1067057	10.494 ug/ml
2) T Naphthalene (C11.7)	6.051	1192429	10.324 ug/ml
3) T 2-Methylnaphthalene (...)	7.104	1240342	10.292 ug/ml
5) T Acenaphthylene (C15.06)	8.382	1305549	10.305 ug/ml
7) T Acenaphthene (C15.5)	8.677	1308639	10.324 ug/ml
8) T Flouorene (C16.55)	9.459	1317291	10.296 ug/ml
9) T Phenanthrene (C19.36)	10.857	1346915	10.286 ug/ml
10) T Anthracene (C19.43)	10.931	1285725	10.275 ug/ml
12) T Fluoranthene (C21.85)	12.669	1323090	10.203 ug/ml
13) T Pyrene (C20.8)	12.967	1307166	10.163 ug/ml
14) T Benzo[a]anthracene (C...	14.837	1177863	10.085 ug/ml
15) T Chrysene (C27.41)	14.879	1195016	10.095 ug/ml
16) T benzo[b]fluoranthene ...	16.387	1167896	10.223 ug/ml
17) T Bnezo[k]fluoranthene ...	16.419	1101425	10.257 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.766	1147311	10.298 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.129	1064699	10.278 ug/ml
20) T Dibenz[a,h]anthracene...	18.170	1136118	10.618 ug/ml
21) T Benzo[g,h,i]perylene ...	18.383	1140495	10.426 ug/ml

(f)=RT Delta > 1/2 Window

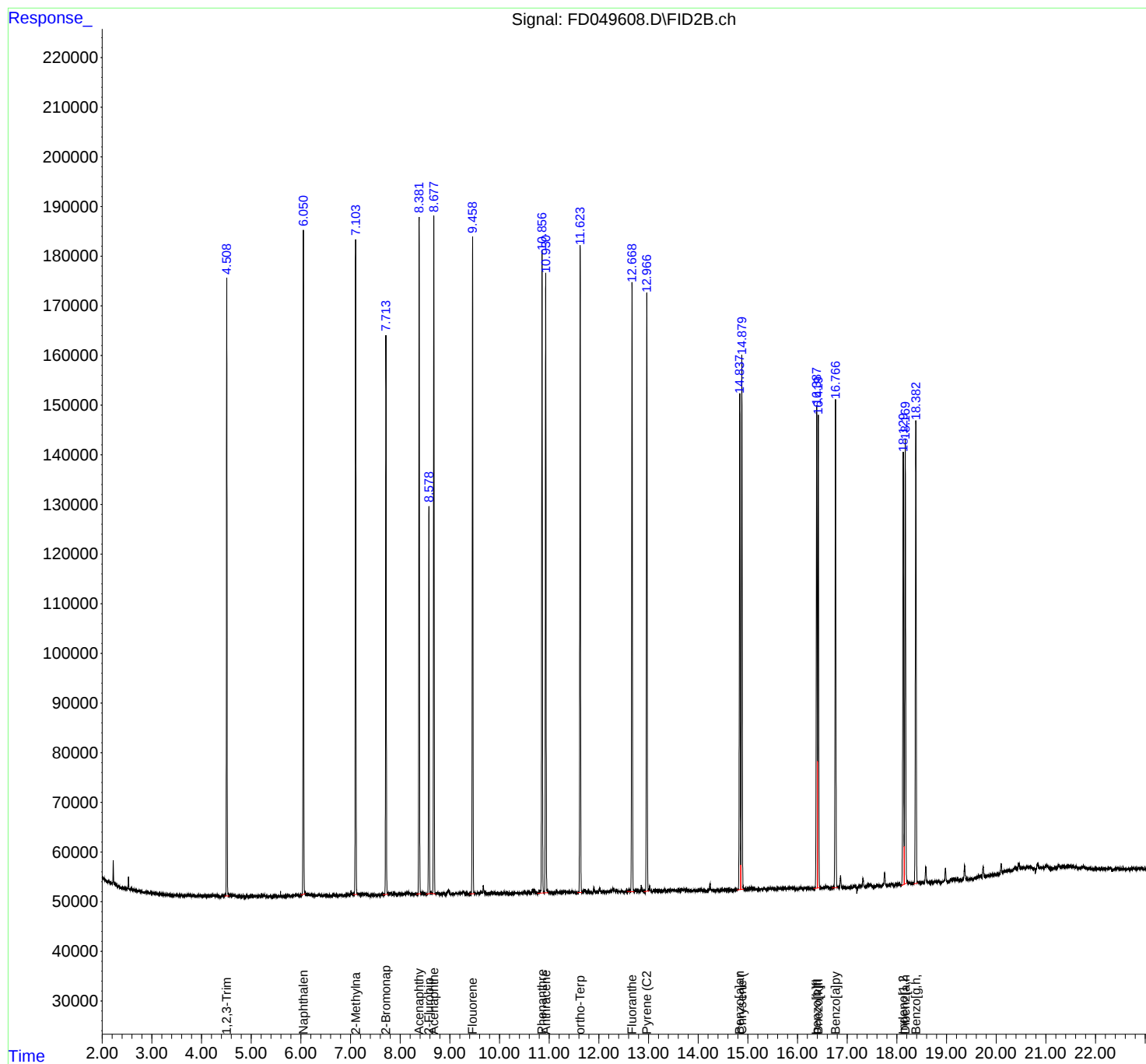
(m)=manual int.

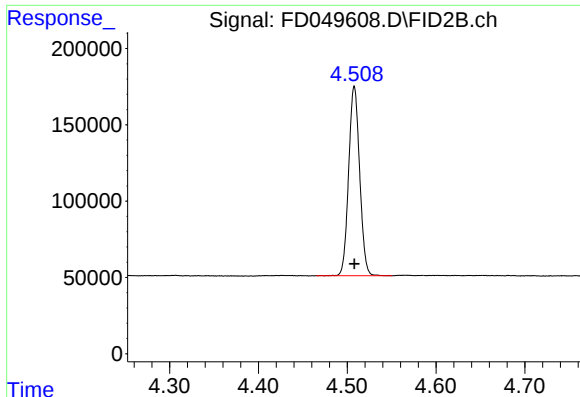
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD081125AR\
Data File : FD049608.D
Signal(s) : FID2B.ch
Acq On : 11 Aug 2025 12:51
Operator : YP/AJ
Sample : 10 PPM AROMATIC HC STD4
Misc :
ALS Vial : 64 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4

Integration File: autoint1.e
Quant Time: Aug 11 13:20:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 081125.M
Quant Title : GC Extractables
QLast Update : Mon Aug 11 13:20:05 2025
Response via : Initial Calibration
Integrator: ChemStation

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

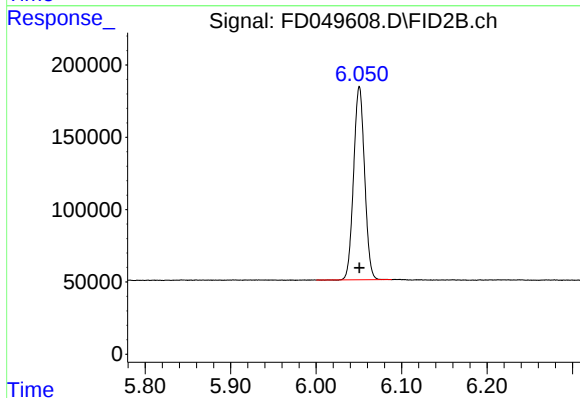




#1 1,2,3-Trimethylbenzene (C10.1)

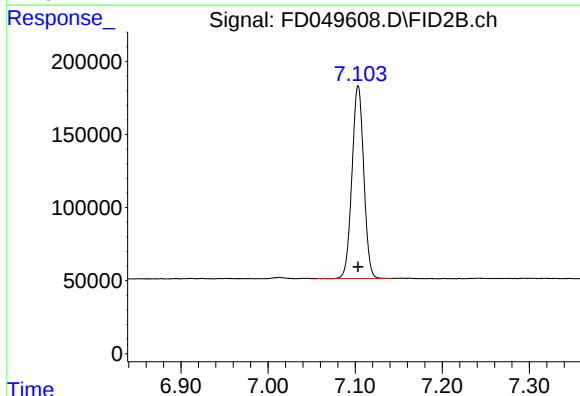
R.T.: 4.508 min
Delta R.T.: 0.000 min
Response: 1067057
Conc: 10.49 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4



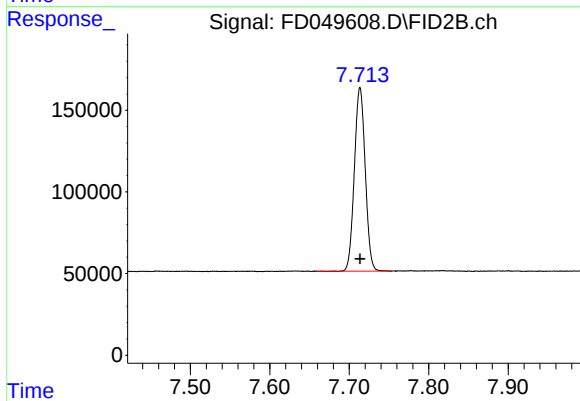
#2 Naphthalene (C11.7)

R.T.: 6.051 min
Delta R.T.: 0.000 min
Response: 1192429
Conc: 10.32 ug/ml



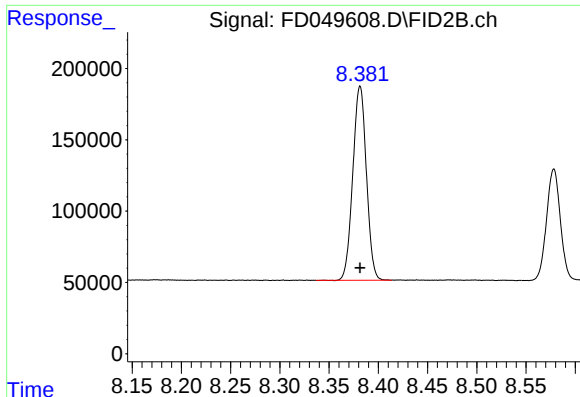
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.104 min
Delta R.T.: 0.000 min
Response: 1240342
Conc: 10.29 ug/ml



#4 2-Bromonaphthalene (SURR)

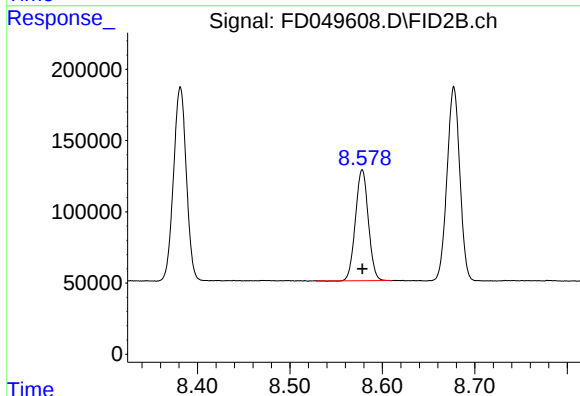
R.T.: 7.714 min
Delta R.T.: 0.000 min
Response: 1068284
Conc: 10.31 ug/ml



#5 Acenaphthylene (C15.06)

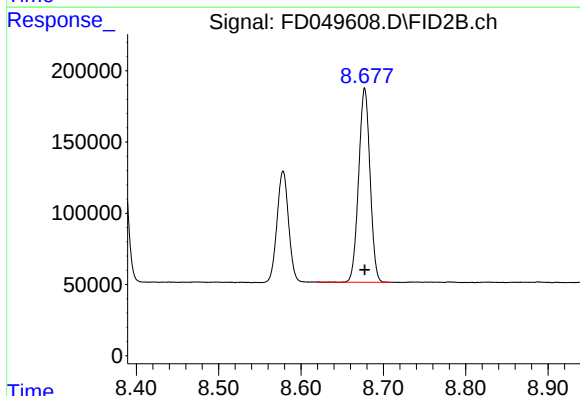
R.T.: 8.382 min
Delta R.T.: 0.000 min
Response: 1305549
Conc: 10.30 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4



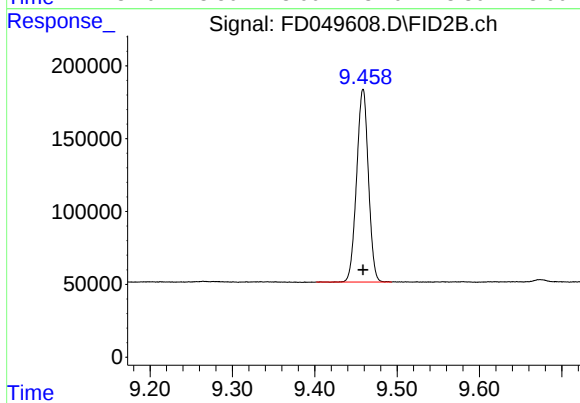
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.578 min
Delta R.T.: 0.000 min
Response: 754720
Conc: 10.21 ug/ml



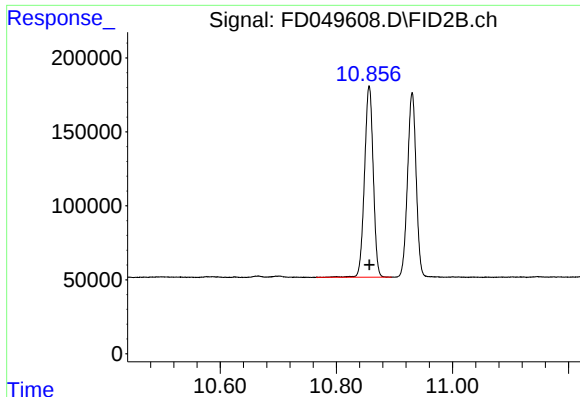
#7 Acenaphthene (C15.5)

R.T.: 8.677 min
Delta R.T.: 0.000 min
Response: 1308639
Conc: 10.32 ug/ml



#8 Flouorene (C16.55)

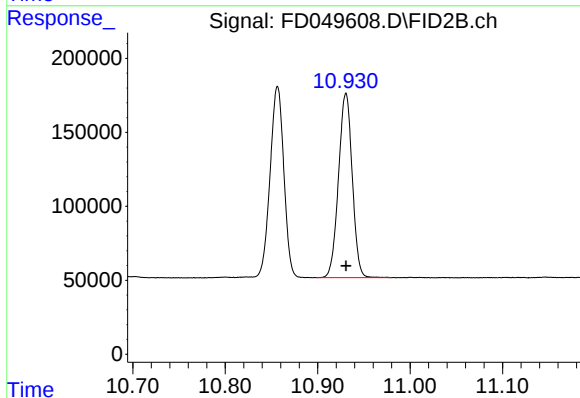
R.T.: 9.459 min
Delta R.T.: 0.000 min
Response: 1317291
Conc: 10.30 ug/ml



#9 Phenanthrene (C19.36)

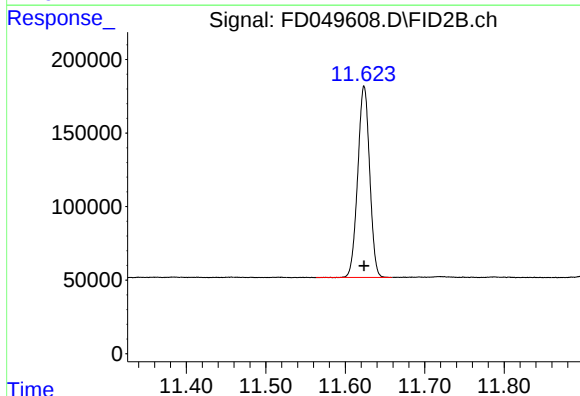
R.T.: 10.857 min
Delta R.T.: 0.000 min
Response: 1346915
Conc: 10.29 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4



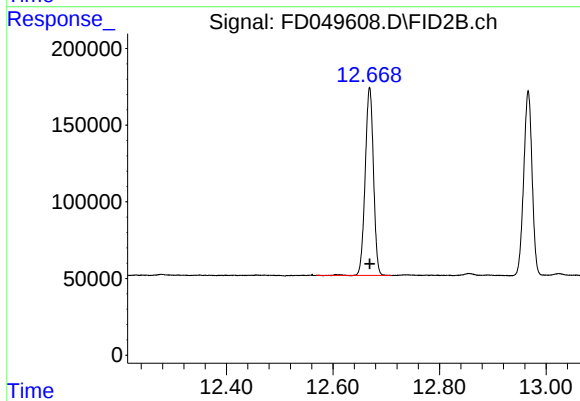
#10 Anthracene (C19.43)

R.T.: 10.931 min
Delta R.T.: 0.000 min
Response: 1285725
Conc: 10.28 ug/ml



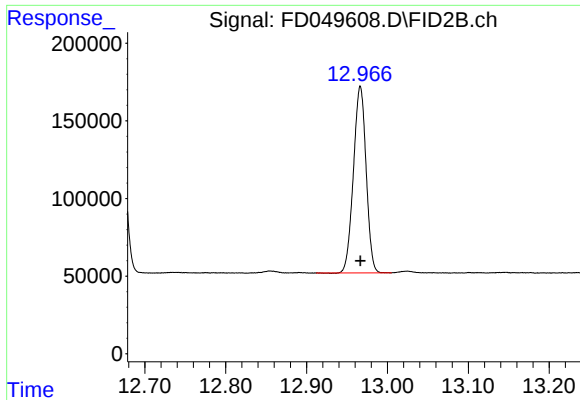
#11 ortho-Terphenyl (SURR)

R.T.: 11.624 min
Delta R.T.: 0.000 min
Response: 1353873
Conc: 10.37 ug/ml



#12 Fluoranthene (C21.85)

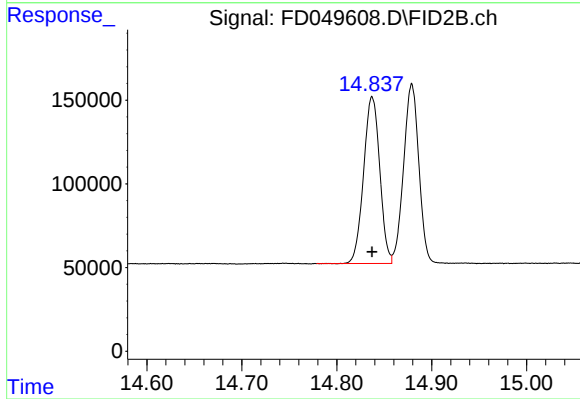
R.T.: 12.669 min
Delta R.T.: 0.000 min
Response: 1323090
Conc: 10.20 ug/ml



#13 Pyrene (C20.8)

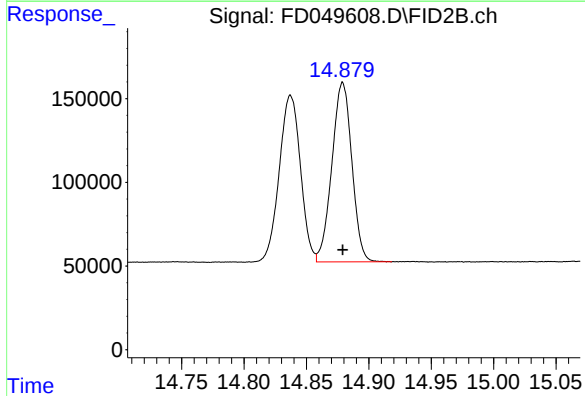
R.T.: 12.967 min
Delta R.T.: 0.000 min
Response: 1307166
Conc: 10.16 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4



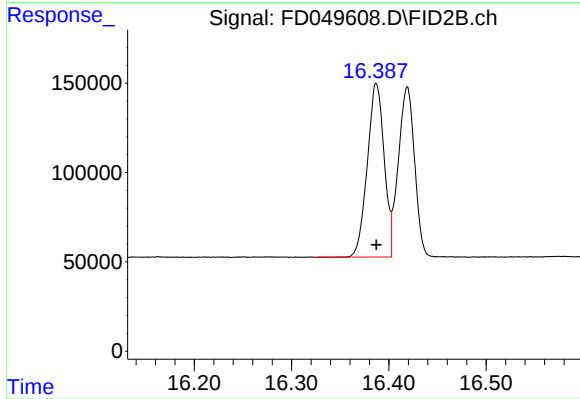
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.837 min
Delta R.T.: 0.000 min
Response: 1177863
Conc: 10.08 ug/ml



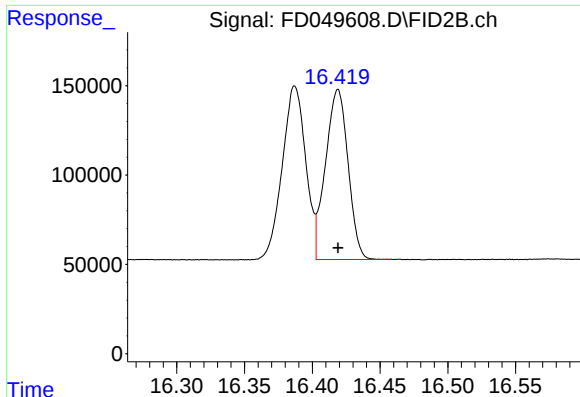
#15 Chrysene (C27.41)

R.T.: 14.879 min
Delta R.T.: 0.000 min
Response: 1195016
Conc: 10.09 ug/ml



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

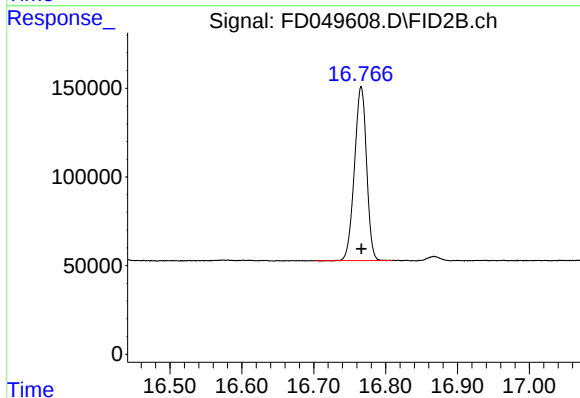
R.T.: 16.387 min
Delta R.T.: 0.000 min
Response: 1167896
Conc: 10.22 ug/ml



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

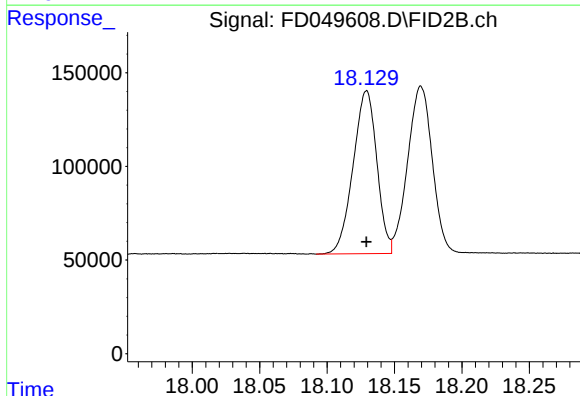
R.T.: 16.419 min
Delta R.T.: 0.000 min
Response: 1101425
Conc: 10.26 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4



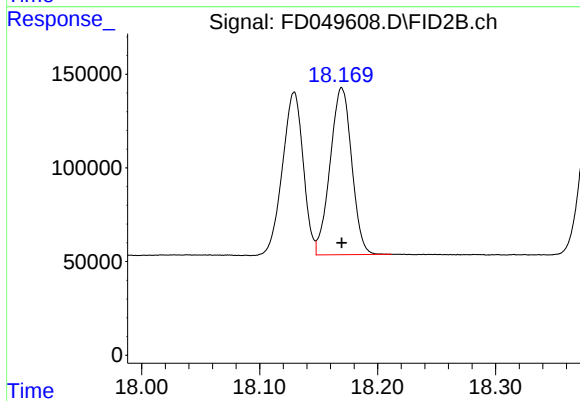
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.766 min
Delta R.T.: 0.000 min
Response: 1147311
Conc: 10.30 ug/ml



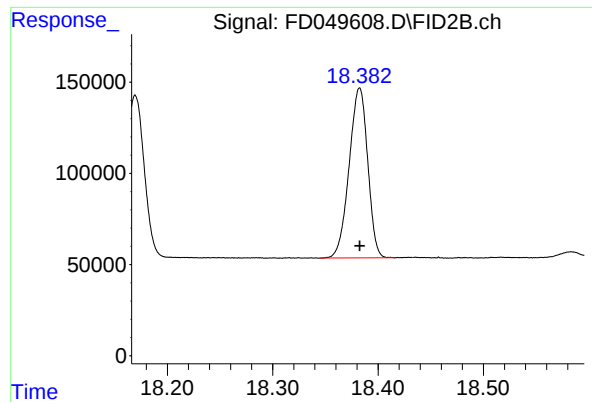
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.129 min
Delta R.T.: 0.000 min
Response: 1064699
Conc: 10.28 ug/ml



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

R.T.: 18.170 min
Delta R.T.: 0.000 min
Response: 1136118
Conc: 10.62 ug/ml



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

R.T.: 18.383 min
Delta R.T.: 0.000 min
Response: 1140495
Conc: 10.43 ug/ml

Instrument :

FID_D

ClientSampleId :

10 PPM AROMATIC HC STD4

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD081125AR\
 Data File : FD049608.D
 Signal(s) : FID2B.ch
 Acq On : 11 Aug 2025 12:51
 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 081125.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	4.508	4.465	4.550	BB	124203	1067057	78.82%	4.268%
2	6.051	6.000	6.088	BB	133593	1192429	88.08%	4.769%
3	7.104	7.055	7.142	BB	132072	1240342	91.61%	4.961%
4	7.714	7.658	7.753	BB	112547	1068284	78.91%	4.273%
5	8.382	8.337	8.413	BB	136232	1305549	96.43%	5.222%
6	8.578	8.528	8.610	BB	78021	754720	55.75%	3.019%
7	8.677	8.618	8.710	BB	136385	1308639	96.66%	5.234%
8	9.459	9.402	9.493	BB	132485	1317291	97.30%	5.269%
9	10.857	10.765	10.895	BB	129368	1346915	99.49%	5.387%
10	10.931	10.898	10.980	BB	124483	1285725	94.97%	5.143%
11	11.624	11.563	11.658	BB	130213	1353873	100.00%	5.415%
12	12.669	12.568	12.710	BB	122744	1323090	97.73%	5.292%
13	12.967	12.912	13.005	BB	120343	1307166	96.55%	5.228%
14	14.837	14.778	14.858	BV	99690	1177863	87.00%	4.711%
15	14.879	14.858	14.918	VB	107084	1195016	88.27%	4.780%
16	16.387	16.325	16.403	BV	97212	1167896	86.26%	4.671%
17	16.419	16.403	16.458	VB	95169	1101425	81.35%	4.405%
18	16.766	16.703	16.808	BB	98091	1147311	84.74%	4.589%
19	18.129	18.092	18.148	BV	87037	1064699	78.64%	4.258%
20	18.170	18.148	18.212	VB	89131	1136118	83.92%	4.544%
21	18.383	18.345	18.417	BB	93255	1140495	84.24%	4.562%
Sum of corrected areas:						25001902		

Aromatic EPH 081125.M Mon Aug 11 14:17:48 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD081125AR\
 Data File : FD049609.D
 Signal(s) : FID2B.ch
 Acq On : 11 Aug 2025 13:35
 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

Integration File: autoint1.e
 Quant Time: Aug 11 14:11:26 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 081125.M
 Quant Title : GC Extractables
 QLast Update : Mon Aug 11 14:11:17 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...	7.714	489176	4.773 ug/ml
Spiked Amount 50.000		Recovery =	9.55%
6) S 2-Fluorobiphenyl (SURR)	8.578	347680	4.760 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	9.52%
11) S ortho-Terphenyl (SURR)	11.623	633269	4.879 ug/ml
Spiked Amount 50.000		Recovery =	9.76%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.509	496869	4.909 ug/ml
2) T Naphthalene (C11.7)	6.052	556463	4.853 ug/ml
3) T 2-Methylnaphthalene (...)	7.104	572023	4.795 ug/ml
5) T Acenaphthylene (C15.06)	8.381	608871	4.843 ug/ml
7) T Acenaphthene (C15.5)	8.677	608171	4.837 ug/ml
8) T Flouorene (C16.55)	9.458	606295	4.789 ug/ml
9) T Phenanthrene (C19.36)	10.856	610414	4.725 ug/ml
10) T Anthracene (C19.43)	10.930	577291	4.686 ug/ml
12) T Fluoranthene (C21.85)	12.669	606942	4.741 ug/ml
13) T Pyrene (C20.8)	12.966	601676	4.739 ug/ml
14) T Benzo[a]anthracene (C...	14.836	548941	4.757 ug/ml
15) T Chrysene (C27.41)	14.878	559500	4.779 ug/ml
16) T benzo[b]fluoranthene ...	16.386	558498	4.911 ug/ml
17) T Bnezo[k]fluoranthene ...	16.416	528624	4.938 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.764	545214	4.915 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.126	505114	4.900 ug/ml
20) T Dibenz[a,h]anthracene...	18.168	584886	5.366 ug/ml
21) T Benzo[g,h,i]perylene ...	18.380	544133	4.979 ug/ml

(f)=RT Delta > 1/2 Window

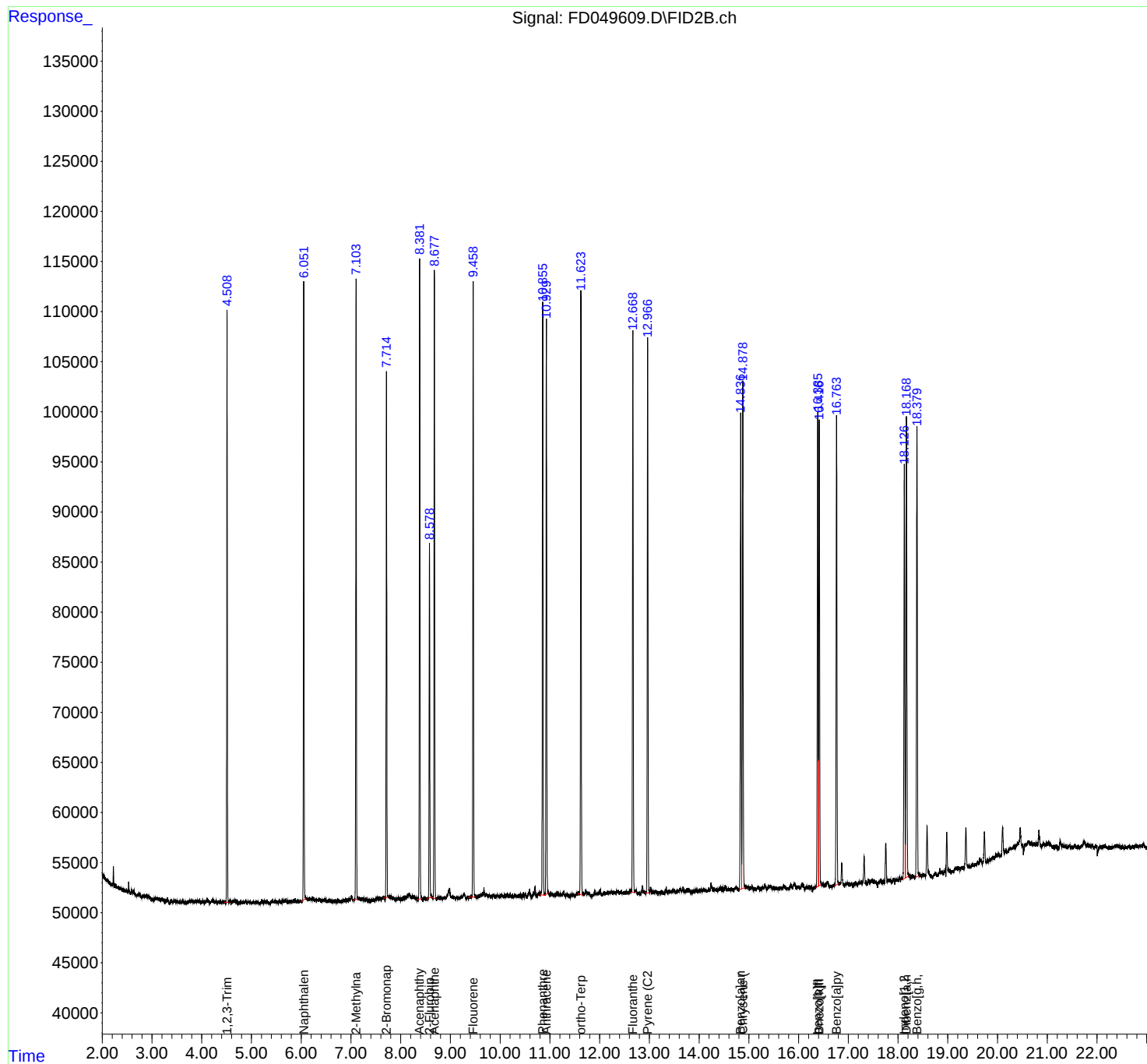
(m)=manual int.

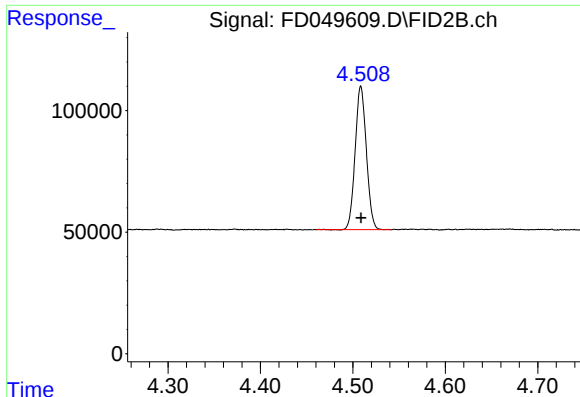
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD081125AR\
Data File : FD049609.D
Signal(s) : FID2B.ch
Acq On : 11 Aug 2025 13:35
Operator : YP/AJ
Sample : 5 PPM AROMATIC HC STD5
Misc :
ALS Vial : 65 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5

Integration File: autoint1.e
Quant Time: Aug 11 14:11:26 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 081125.M
Quant Title : GC Extractables
QLast Update : Mon Aug 11 14:11:17 2025
Response via : Initial Calibration
Integrator: ChemStation

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

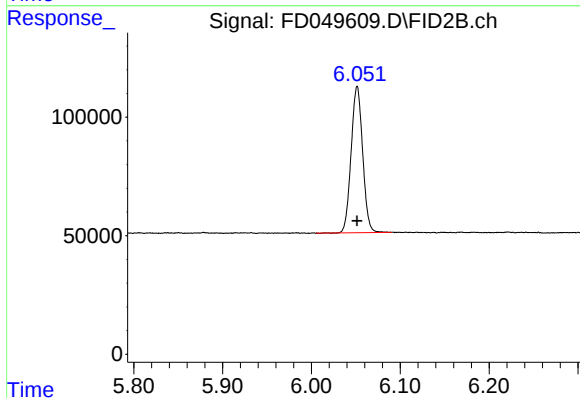




#1 1,2,3-Trimethylbenzene (C10.1)

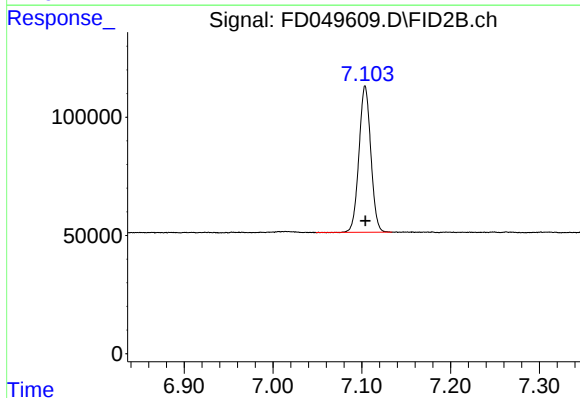
R.T.: 4.509 min
Delta R.T.: 0.000 min
Response: 496869
Conc: 4.91 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5



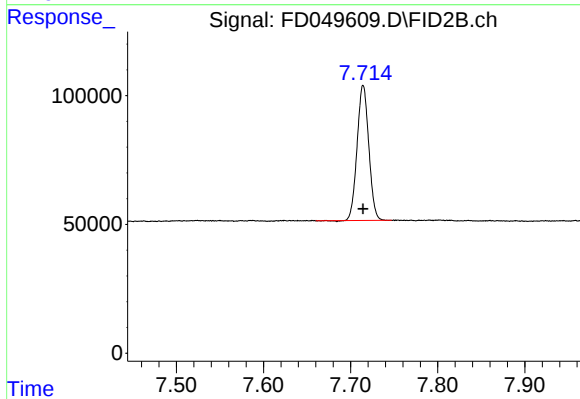
#2 Naphthalene (C11.7)

R.T.: 6.052 min
Delta R.T.: 0.000 min
Response: 556463
Conc: 4.85 ug/ml



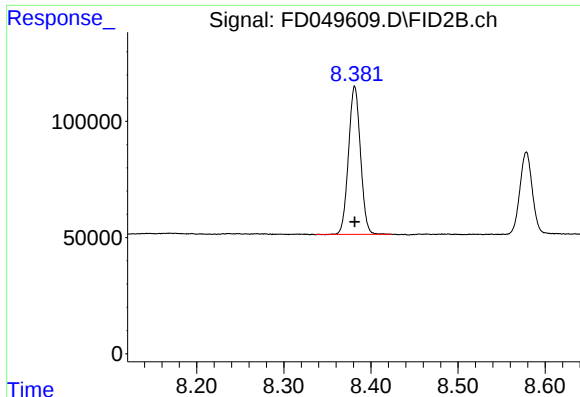
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.104 min
Delta R.T.: 0.000 min
Response: 572023
Conc: 4.80 ug/ml



#4 2-Bromonaphthalene (SURR)

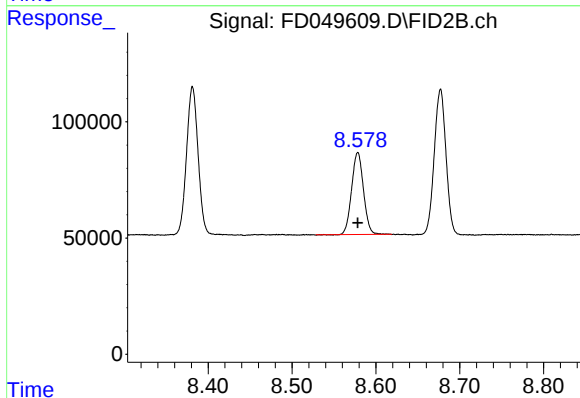
R.T.: 7.714 min
Delta R.T.: 0.000 min
Response: 489176
Conc: 4.77 ug/ml



#5 Acenaphthylene (C15.06)

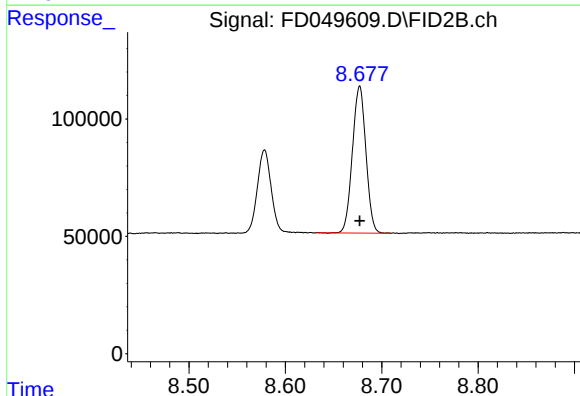
R.T.: 8.381 min
Delta R.T.: 0.000 min
Response: 608871
Conc: 4.84 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5



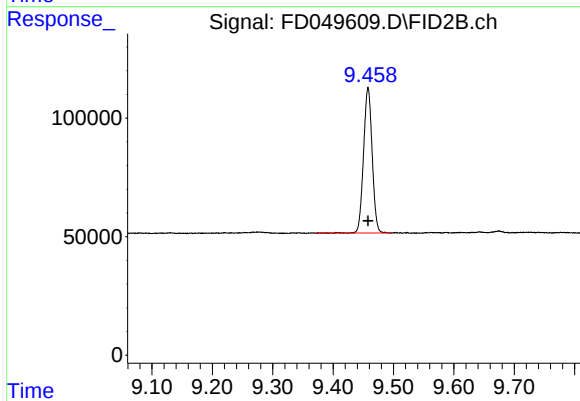
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.578 min
Delta R.T.: 0.000 min
Response: 347680
Conc: 4.76 ug/ml



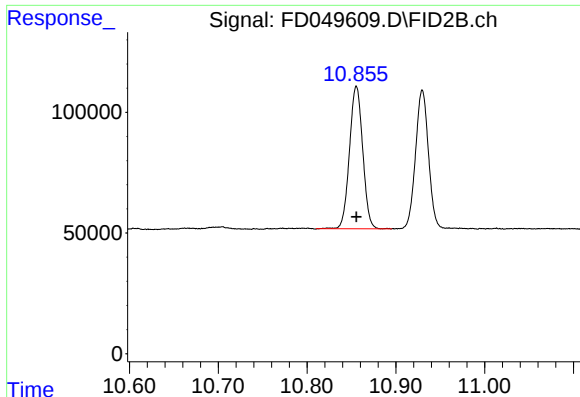
#7 Acenaphthene (C15.5)

R.T.: 8.677 min
Delta R.T.: 0.000 min
Response: 608171
Conc: 4.84 ug/ml



#8 Fluorene (C16.55)

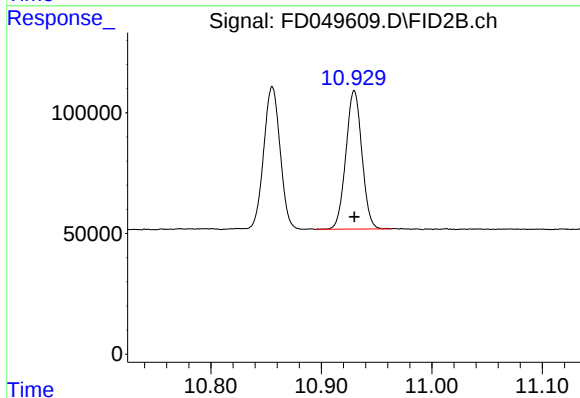
R.T.: 9.458 min
Delta R.T.: 0.000 min
Response: 606295
Conc: 4.79 ug/ml



#9 Phenanthrene (C19.36)

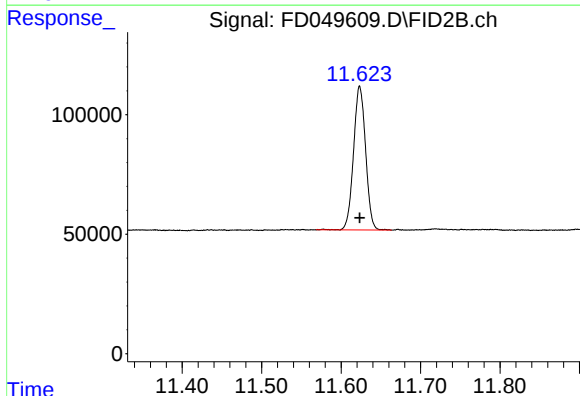
R.T.: 10.856 min
Delta R.T.: 0.000 min
Response: 610414
Conc: 4.73 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5



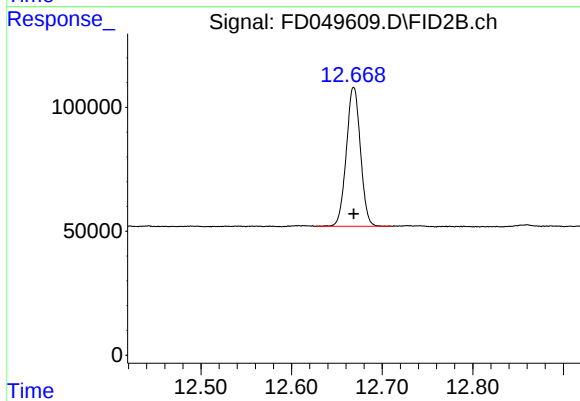
#10 Anthracene (C19.43)

R.T.: 10.930 min
Delta R.T.: 0.000 min
Response: 577291
Conc: 4.69 ug/ml



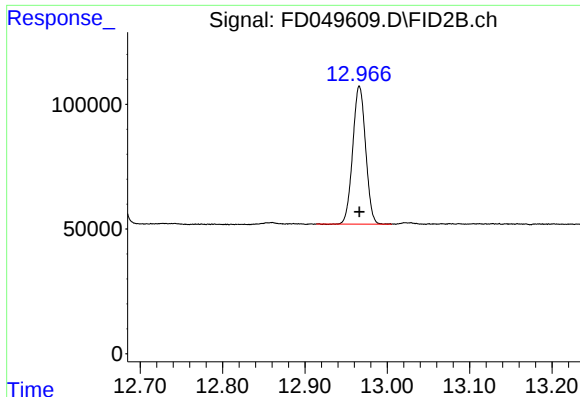
#11 ortho-Terphenyl (SURR)

R.T.: 11.623 min
Delta R.T.: 0.000 min
Response: 633269
Conc: 4.88 ug/ml



#12 Fluoranthene (C21.85)

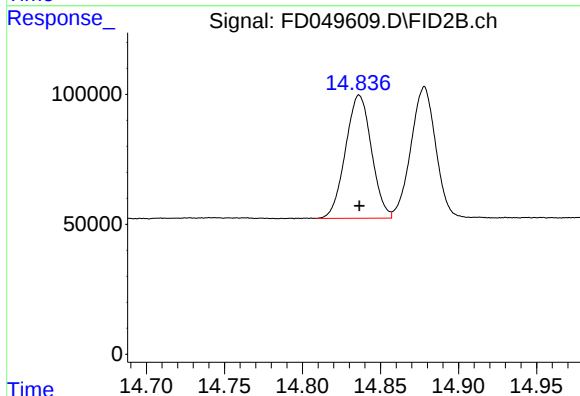
R.T.: 12.669 min
Delta R.T.: 0.000 min
Response: 606942
Conc: 4.74 ug/ml



#13 Pyrene (C20.8)

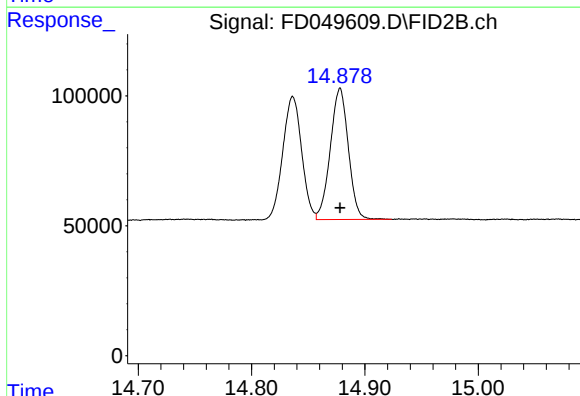
R.T.: 12.966 min
Delta R.T.: 0.000 min
Response: 601676
Conc: 4.74 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5



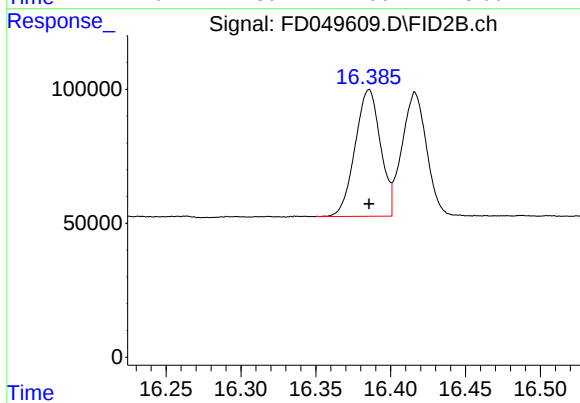
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.836 min
Delta R.T.: 0.000 min
Response: 548941
Conc: 4.76 ug/ml



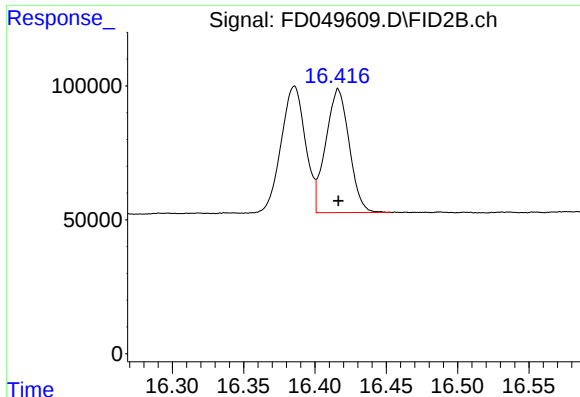
#15 Chrysene (C27.41)

R.T.: 14.878 min
Delta R.T.: 0.000 min
Response: 559500
Conc: 4.78 ug/ml



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

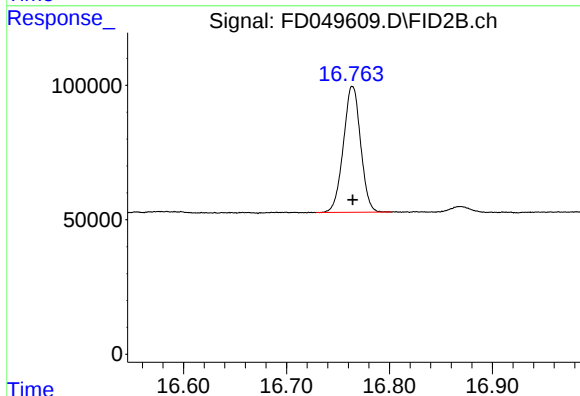
R.T.: 16.386 min
Delta R.T.: 0.000 min
Response: 558498
Conc: 4.91 ug/ml



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

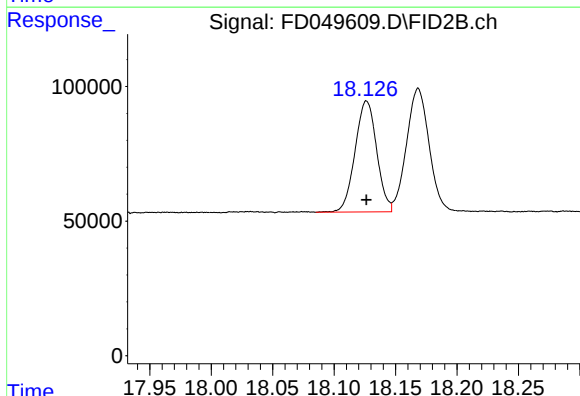
R.T.: 16.416 min
Delta R.T.: 0.000 min
Response: 528624
Conc: 4.94 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5



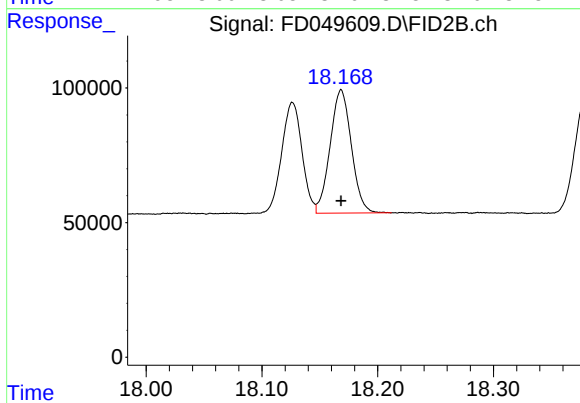
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.764 min
Delta R.T.: 0.000 min
Response: 545214
Conc: 4.91 ug/ml



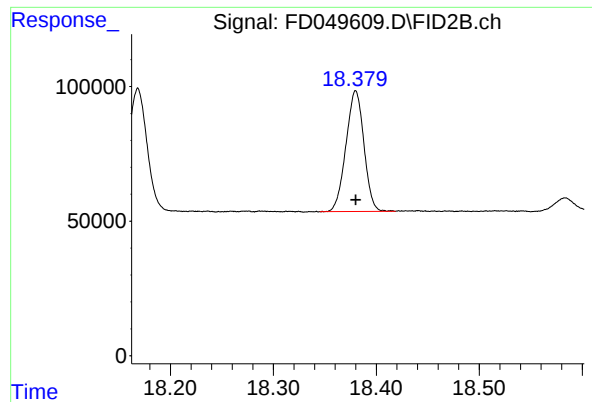
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.126 min
Delta R.T.: 0.000 min
Response: 505114
Conc: 4.90 ug/ml



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

R.T.: 18.168 min
Delta R.T.: 0.000 min
Response: 584886
Conc: 5.37 ug/ml



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

R.T.: 18.380 min
Delta R.T.: 0.000 min
Response: 544133
Conc: 4.98 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD081125AR\
 Data File : FD049609.D
 Signal(s) : FID2B.ch
 Acq On : 11 Aug 2025 13:35
 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 081125.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	4.509	4.460	4.542	BB	58983	496869	78.46%	4.250%
2	6.052	6.005	6.090	BB	61904	556463	87.87%	4.760%
3	7.104	7.049	7.134	BB	61965	572023	90.33%	4.893%
4	7.714	7.660	7.747	BB	52619	489176	77.25%	4.185%
5	8.381	8.337	8.424	BB	63651	608871	96.15%	5.208%
6	8.578	8.529	8.619	BB	35392	347680	54.90%	2.974%
7	8.677	8.632	8.710	BB	62726	608171	96.04%	5.202%
8	9.458	9.372	9.497	BB	61426	606295	95.74%	5.186%
9	10.856	10.810	10.895	BB	59128	610414	96.39%	5.222%
10	10.930	10.895	10.964	BB	57372	577291	91.16%	4.938%
11	11.623	11.569	11.664	BB	60145	633269	100.00%	5.417%
12	12.669	12.627	12.710	BB	56100	606942	95.84%	5.192%
13	12.966	12.914	13.005	BB	55412	601676	95.01%	5.147%
14	14.836	14.809	14.857	BV	47365	548941	86.68%	4.696%
15	14.878	14.857	14.924	VB	50761	559500	88.35%	4.786%
16	16.386	16.350	16.401	BV	47301	558498	88.19%	4.778%
17	16.416	16.401	16.454	VB	46025	528624	83.48%	4.522%
18	16.764	16.729	16.802	BB	46885	545214	86.10%	4.664%
19	18.126	18.085	18.147	BV	41217	505114	79.76%	4.321%
20	18.168	18.147	18.212	VB	45951	584886	92.36%	5.003%
21	18.380	18.345	18.419	BB	44914	544133	85.92%	4.655%
Sum of corrected areas:							11690051	

Aromatic EPH 081125.M Mon Aug 11 14:18:08 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD081125AR\
 Data File : FD049610.D
 Signal(s) : FID2B.ch
 Acq On : 11 Aug 2025 14:20
 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: Aug 11 14:41:27 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 081125.M
 Quant Title : GC Extractables
 QLast Update : Mon Aug 11 14:11:57 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...	7.714	1993626	19.452 ug/ml
Spiked Amount 50.000		Recovery =	38.90%
6) S 2-Fluorobiphenyl (SURR)	8.579	1416425	19.391 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	38.78%
11) S ortho-Terphenyl (SURR)	11.624	2524095	19.447 ug/ml
Spiked Amount 50.000		Recovery =	38.89%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.507	1969226	19.455 ug/ml
2) T Naphthalene (C11.7)	6.050	2224882	19.404 ug/ml
3) T 2-Methylnaphthalene (...)	7.104	2316479	19.418 ug/ml
5) T Acenaphthylene (C15.06)	8.382	2441662	19.423 ug/ml
7) T Acenaphthene (C15.5)	8.678	2442527	19.426 ug/ml
8) T Flouorene (C16.55)	9.459	2466026	19.477 ug/ml
9) T Phenanthrene (C19.36)	10.858	2532616	19.606 ug/ml
10) T Anthracene (C19.43)	10.932	2405056	19.523 ug/ml
12) T Fluoranthene (C21.85)	12.671	2533895	19.793 ug/ml
13) T Pyrene (C20.8)	12.969	2519170	19.841 ug/ml
14) T Benzo[a]anthracene (C...	14.840	2306029	19.984 ug/ml
15) T Chrysene (C27.41)	14.883	2341897	20.002 ug/ml
16) T benzo[b]fluoranthene ...	16.391	2277743	20.027 ug/ml
17) T Bnezo[k]fluoranthene ...	16.423	2148998	20.075 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.770	2225633	20.062 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.134	2048513	19.873 ug/ml
20) T Dibenz[a,h]anthracene...	18.174	2182504	20.023 ug/ml
21) T Benzo[g,h,i]perylene ...	18.389	2213783	20.259 ug/ml

(f)=RT Delta > 1/2 Window

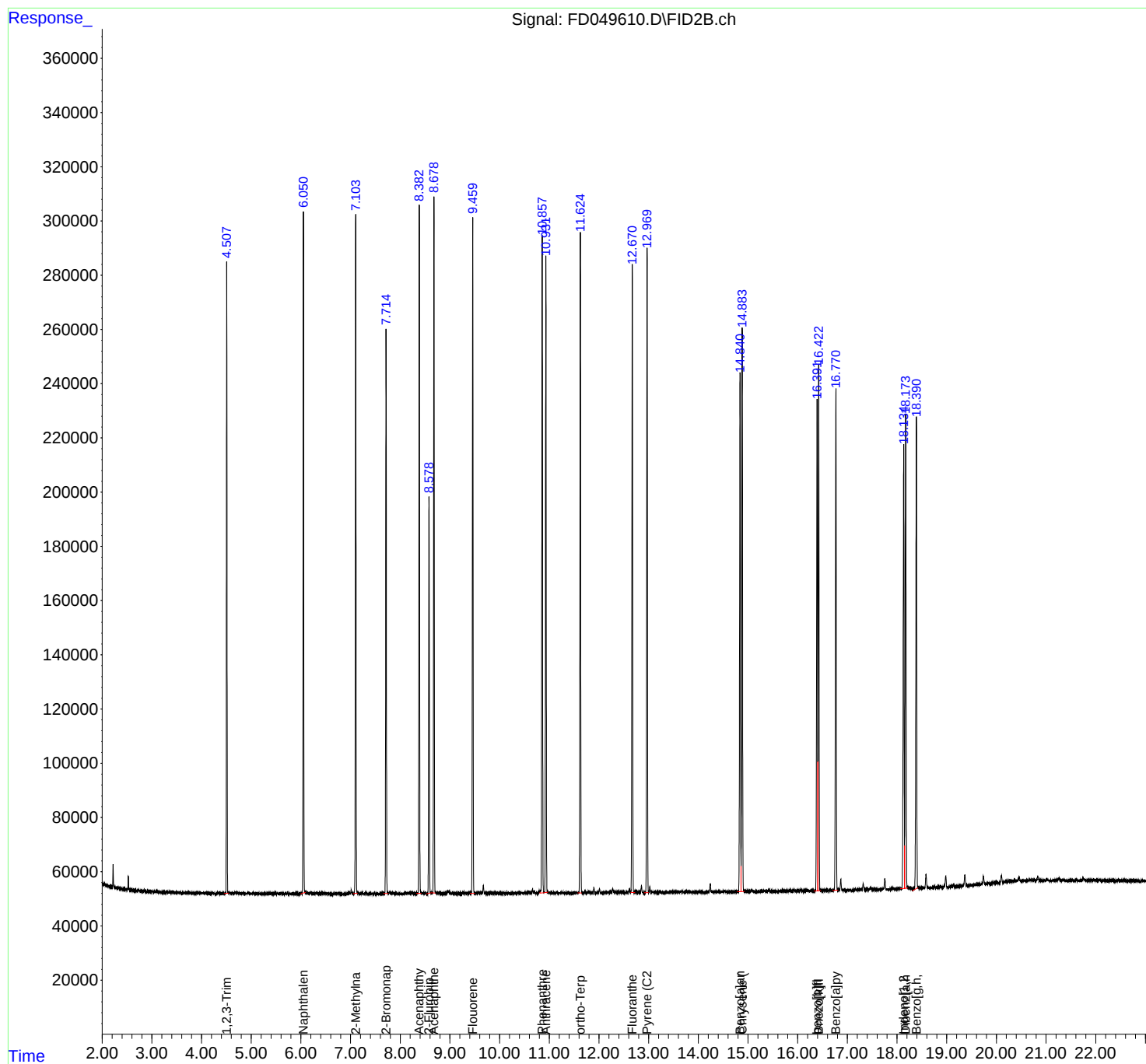
(m)=manual int.

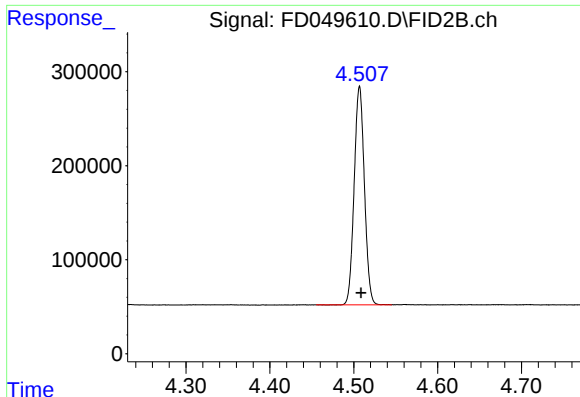
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD081125AR\
Data File : FD049610.D
Signal(s) : FID2B.ch
Acq On : 11 Aug 2025 14:20
Operator : YP/AJ
Sample : 20 PPM AROMATIC HC STD ICV
Misc :
ALS Vial : 66 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD ICV

Integration File: autoint1.e
Quant Time: Aug 11 14:41:27 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 081125.M
Quant Title : GC Extractables
QLast Update : Mon Aug 11 14:11:57 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)

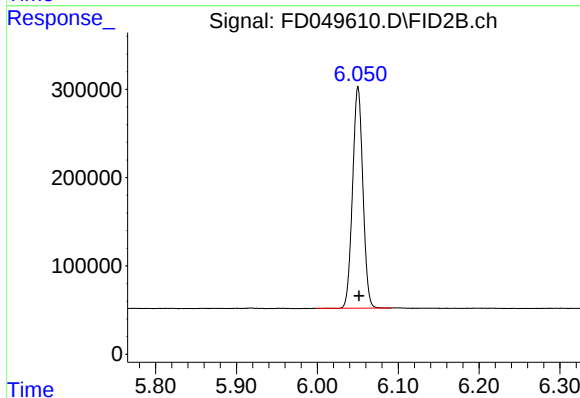
R.T.: 4.507 min
Delta R.T.: -0.002 min
Response: 1969226
Conc: 19.45 ug/ml

Instrument :

FID_D

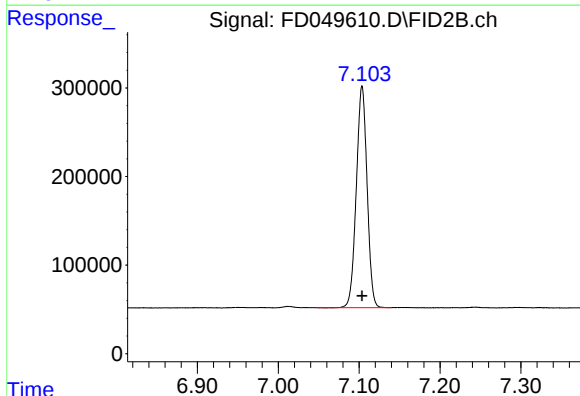
ClientSampleId :

20 PPM AROMATIC HC STD ICV



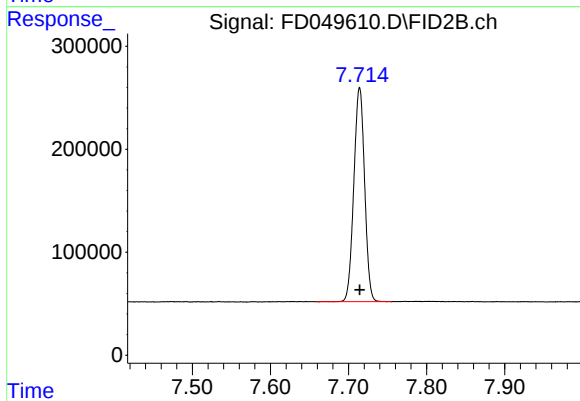
#2 Naphthalene (C11.7)

R.T.: 6.050 min
Delta R.T.: -0.001 min
Response: 2224882
Conc: 19.40 ug/ml



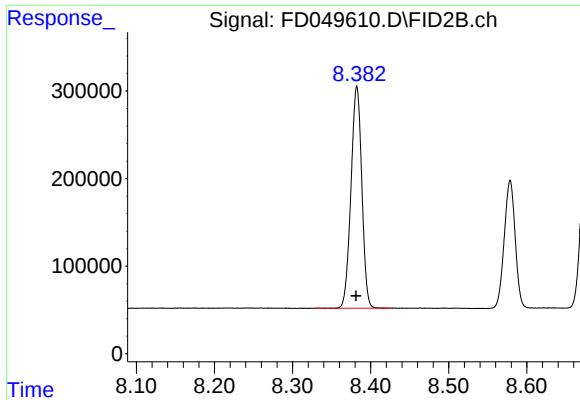
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.104 min
Delta R.T.: 0.000 min
Response: 2316479
Conc: 19.42 ug/ml



#4 2-Bromonaphthalene (SURR)

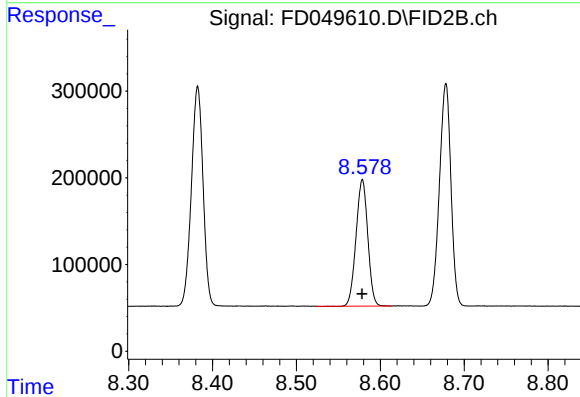
R.T.: 7.714 min
Delta R.T.: 0.000 min
Response: 1993626
Conc: 19.45 ug/ml



#5 Acenaphthylene (C15.06)

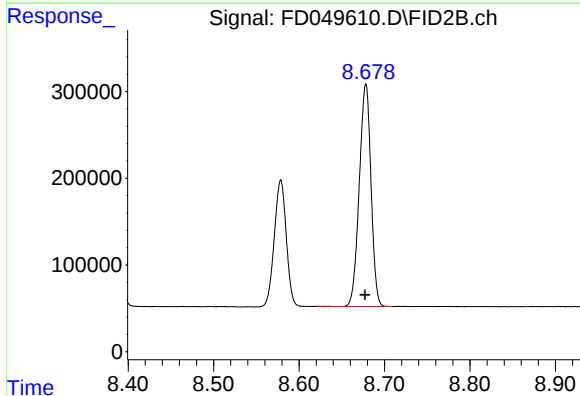
R.T.: 8.382 min
Delta R.T.: 0.000 min
Response: 2441662
Conc: 19.42 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD ICV



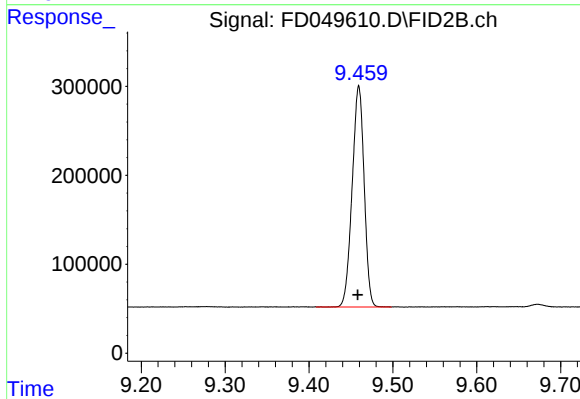
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.579 min
Delta R.T.: 0.000 min
Response: 1416425
Conc: 19.39 ug/ml



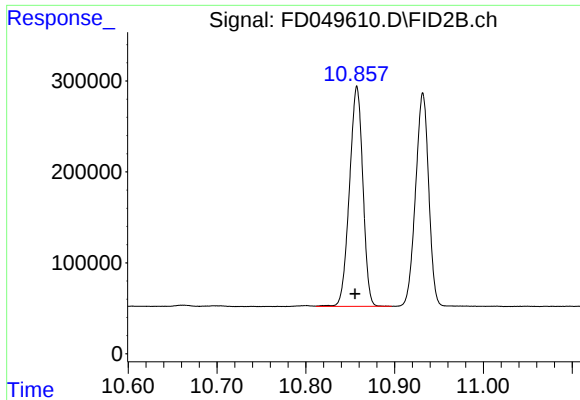
#7 Acenaphthene (C15.5)

R.T.: 8.678 min
Delta R.T.: 0.001 min
Response: 2442527
Conc: 19.43 ug/ml



#8 Fluorene (C16.55)

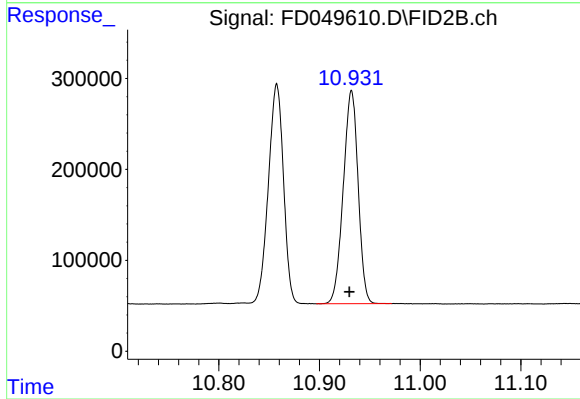
R.T.: 9.459 min
Delta R.T.: 0.001 min
Response: 2466026
Conc: 19.48 ug/ml



#9 Phenanthrene (C19.36)

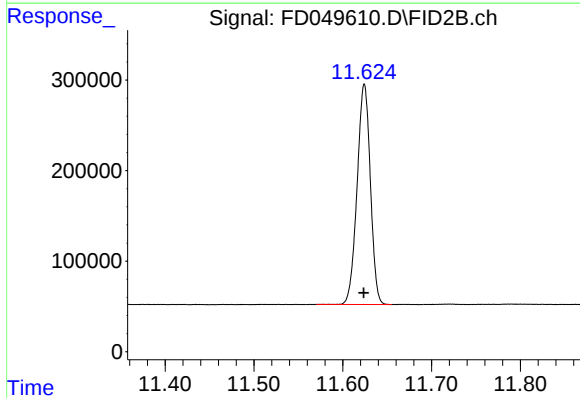
R.T.: 10.858 min
Delta R.T.: 0.002 min
Response: 2532616
Conc: 19.61 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD ICV



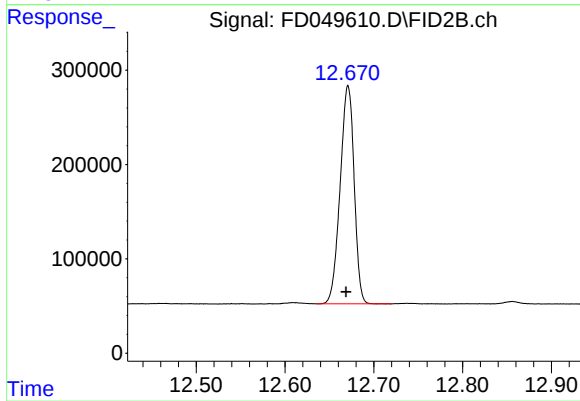
#10 Anthracene (C19.43)

R.T.: 10.932 min
Delta R.T.: 0.002 min
Response: 2405056
Conc: 19.52 ug/ml



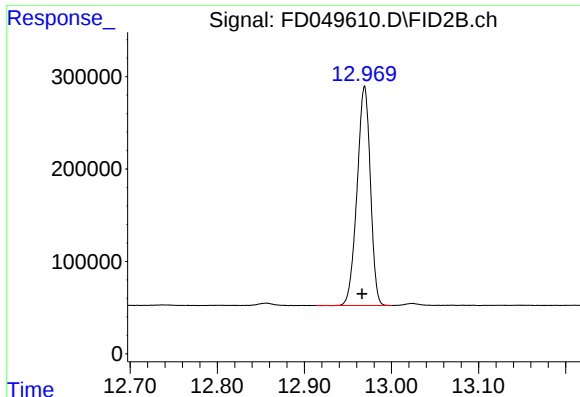
#11 ortho-Terphenyl (SURR)

R.T.: 11.624 min
Delta R.T.: 0.000 min
Response: 2524095
Conc: 19.45 ug/ml



#12 Fluoranthene (C21.85)

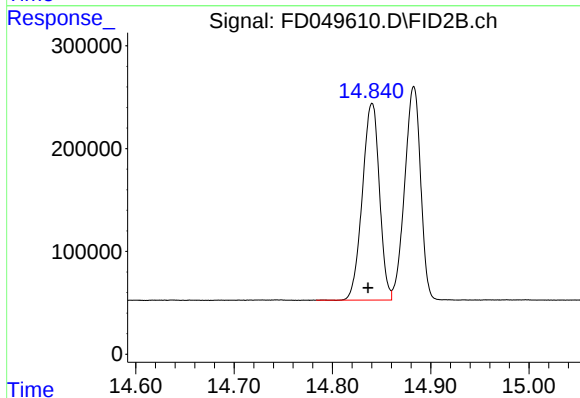
R.T.: 12.671 min
Delta R.T.: 0.002 min
Response: 2533895
Conc: 19.79 ug/ml



#13 Pyrene (C20.8)

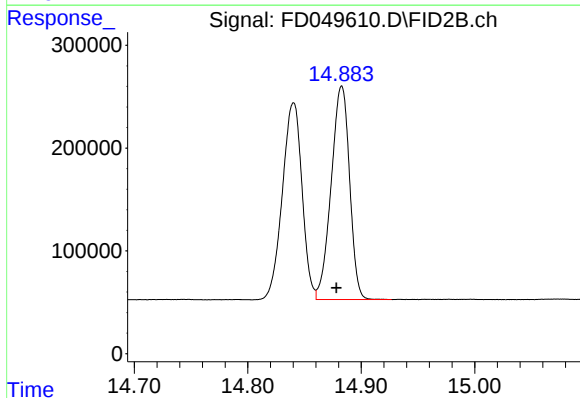
R.T.: 12.969 min
Delta R.T.: 0.003 min
Response: 2519170
Conc: 19.84 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD ICV



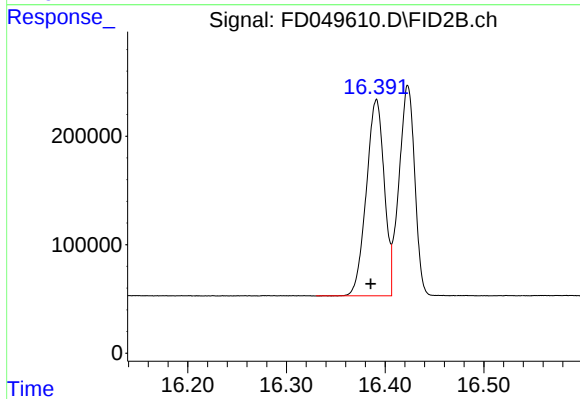
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.840 min
Delta R.T.: 0.004 min
Response: 2306029
Conc: 19.98 ug/ml



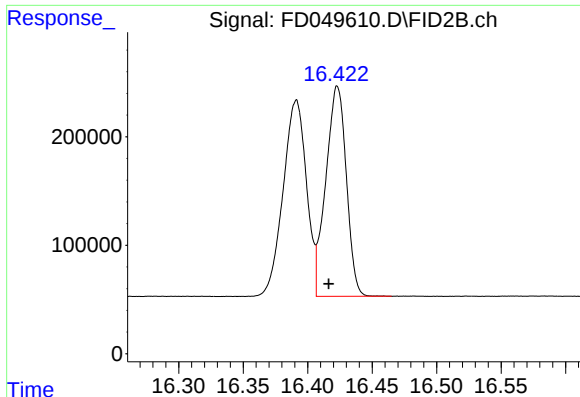
#15 Chrysene (C27.41)

R.T.: 14.883 min
Delta R.T.: 0.005 min
Response: 2341897
Conc: 20.00 ug/ml



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

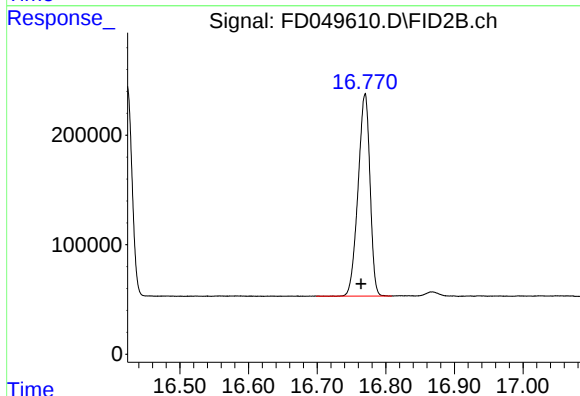
R.T.: 16.391 min
Delta R.T.: 0.006 min
Response: 2277743
Conc: 20.03 ug/ml



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

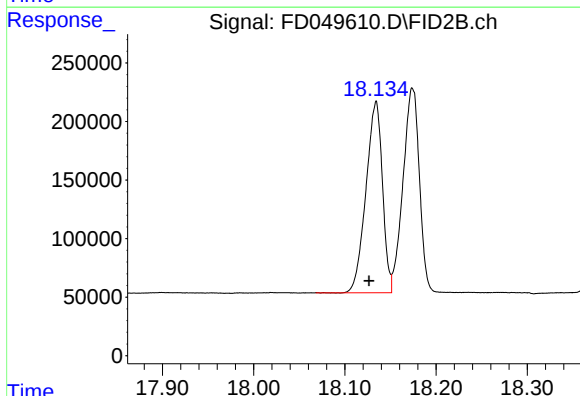
R.T.: 16.423 min
Delta R.T.: 0.007 min
Response: 2148998
Conc: 20.08 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD ICV



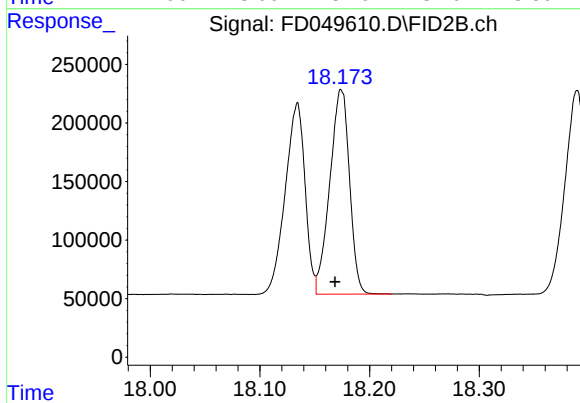
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.770 min
Delta R.T.: 0.006 min
Response: 2225633
Conc: 20.06 ug/ml



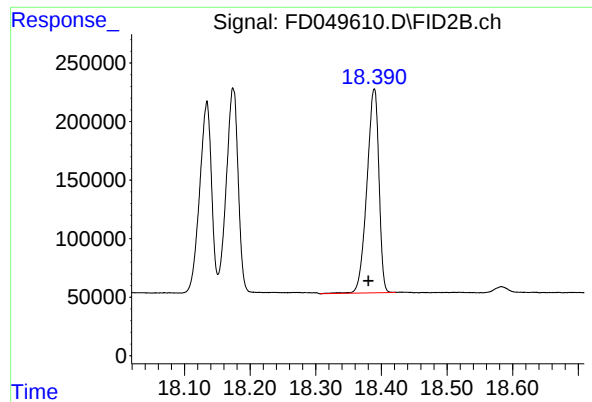
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.134 min
Delta R.T.: 0.008 min
Response: 2048513
Conc: 19.87 ug/ml



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

R.T.: 18.174 min
Delta R.T.: 0.006 min
Response: 2182504
Conc: 20.02 ug/ml



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

R.T.: 18.389 min
Delta R.T.: 0.009 min
Response: 2213783
Conc: 20.26 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD ICV

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD081125AR\
Data File : FD049610.D
Signal(s) : FID2B.ch
Acq On : 11 Aug 2025 14:20
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 081125.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	4.507	4.455	4.545	BB	232408	1969226	77.72%	4.143%
2	6.050	5.998	6.092	BB	251071	2224882	87.80%	4.681%
3	7.104	7.047	7.140	BB	250353	2316479	91.42%	4.874%
4	7.714	7.658	7.755	BB	208160	1993626	78.68%	4.194%
5	8.382	8.330	8.427	BB	253345	2441662	96.36%	5.137%
6	8.579	8.523	8.613	BB	146038	1416425	55.90%	2.980%
7	8.678	8.620	8.708	BB	256974	2442527	96.39%	5.139%
8	9.459	9.408	9.498	BB	248296	2466026	97.32%	5.188%
9	10.858	10.812	10.897	VV	241385	2532616	99.95%	5.328%
10	10.932	10.897	10.972	PB	234713	2405056	94.92%	5.060%
11	11.624	11.570	11.655	BB	243695	2524095	99.61%	5.310%
12	12.671	12.635	12.720	BB	231074	2533895	100.00%	5.331%
13	12.969	12.913	13.000	BV	236843	2519170	99.42%	5.300%
14	14.840	14.783	14.860	BV	191449	2306029	91.01%	4.852%
15	14.883	14.860	14.927	VB	208095	2341897	92.42%	4.927%
16	16.391	16.330	16.407	BV	181654	2277743	89.89%	4.792%
17	16.423	16.407	16.465	VB	193581	2148998	84.81%	4.521%
18	16.770	16.698	16.808	BB	184894	2225633	87.83%	4.683%
19	18.134	18.068	18.151	BV	162549	2048513	80.84%	4.310%
20	18.174	18.151	18.220	VB	175131	2182504	86.13%	4.592%
21	18.389	18.307	18.422	BB	174073	2213783	87.37%	4.658%
Sum of corrected areas:							47530784	

Aromatic EPH 081125.M Mon Aug 11 14:43:00 2025