

Initial Calibration Report for SequenceID : FD071525AR

AreaCount

Parameter Range	FD049538.D	FD049539.D	FD049540.D	FD049541.D	FD049542.D	
Aromatic C10-C12	27542661.000	13670315.000	5629658.000	2796971.000	1338631.000	
Aromatic C12-C16	46873326.000	23392224.000	9513685.000	4783181.000	2270185.000	
Aromatic C16-C21	64295889.000	32144925.000	13063585.000	6631185.000	3117571.000	
Aromatic C21-C36	124530069.000	62781441.000	25558142.000	12902531.000	6159693.000	
Aromatic EPH	263241945.000	131988905.000	53765070.000	27113868.000	12886080.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aromatic C10-C12	137773.911	1.973				
Aromatic C12-C16	156307.8059996	2.014				
Aromatic C16-C21	161283.467	2.28				
Aromatic C21-C36	140022.8513328	1.885				
Aromatic EPH	147211.709444	1.974				

Concentration

Parameter Range	FD049538.D	FD049539.D	FD049540.D	FD049541.D	FD049542.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	FD049538.D	FD049539.D	FD049540.D	FD049541.D	FD049542.D	
Aromatic C10-C12	137713.305000	136703.150000	140741.450000	139848.550000	133863.100000	
Aromatic C12-C16	156244.420000	155948.160000	158561.416666	159439.366666	151345.666666	
Aromatic C16-C21	160739.722500	160724.625000	163294.812500	165779.625000	155878.550000	
Aromatic C21-C36	138366.743333	139514.313333	141989.677777	143361.455555	136882.066666	
Aromatic EPH	146245.525000	146654.338888	149347.416666	150632.600000	143178.666666	

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD071525AR\
 Data File : FD049538.D
 Signal(s) : FID2B.ch
 Acq On : 15 Jul 2025 09:05
 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: Jul 15 11:12:09 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 071525.M
 Quant Title : GC Extractables
 QLast Update : Tue Jul 15 11:09:36 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...	7.740	13114429	99.345 ug/ml
Spiked Amount 50.000		Recovery =	198.69%
6) S 2-Fluorobiphenyl (SURR)	8.607	9328277	99.781 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	199.56%#
11) S ortho-Terphenyl (SURR)	11.651	16179409	98.994 ug/ml
Spiked Amount 50.000		Recovery =	197.99%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.532	12838724	98.468 ug/ml
2) T Naphthalene (C11.7)	6.077	14703937	99.304 ug/ml
3) T 2-Methylnaphthalene (...)	7.132	15251945	99.307 ug/ml
5) T Acenaphthylene (C15.06)	8.411	15818960	99.138 ug/ml
7) T Acenaphthene (C15.5)	8.709	15802421	99.349 ug/ml
8) T Flouorene (C16.55)	9.490	15933145	99.418 ug/ml
9) T Phenanthrene (C19.36)	10.889	16293108	99.056 ug/ml
10) T Anthracene (C19.43)	10.966	15958629	99.393 ug/ml
12) T Fluoranthene (C21.85)	12.705	16137775	98.964 ug/ml
13) T Pyrene (C20.8)	13.004	16111007	98.987 ug/ml
14) T Benzo[a]anthracene (C...	14.875	14742474	99.351 ug/ml
15) T Chrysene (C27.41)	14.923	14884346	99.192 ug/ml
16) T benzo[b]fluoranthene ...	16.428	14149991	99.133 ug/ml
17) T Bnezo[k]fluoranthene ...	16.466	13166303	98.457 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.811	13647797	98.747 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.176	12612631	100.175 ug/ml
20) T Dibenz[a,h]anthracene...	18.216	12279372	96.677 ug/ml
21) T Benzo[g,h,i]perylene ...	18.438	12909380	98.040 ug/ml

(f)=RT Delta > 1/2 Window

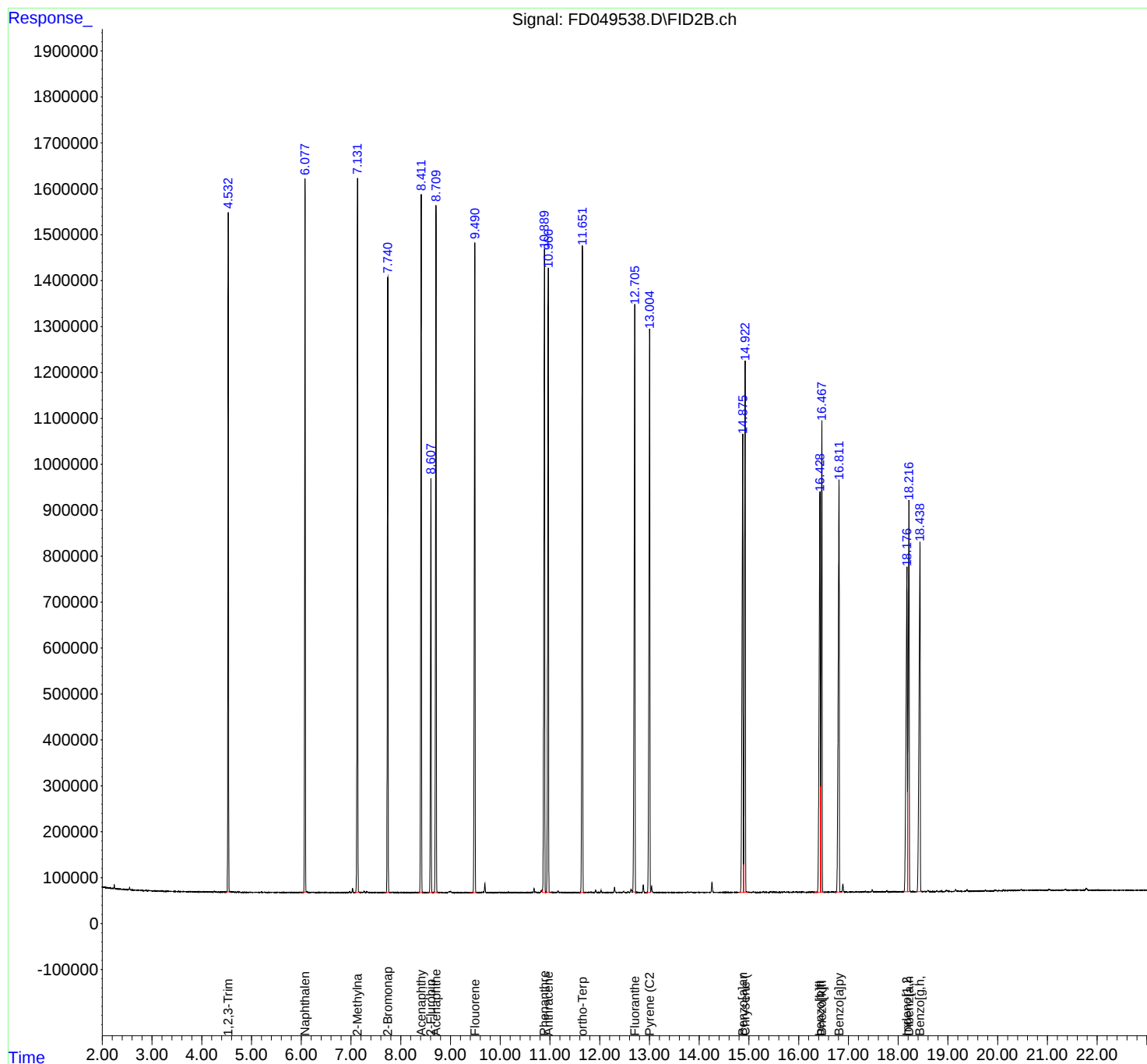
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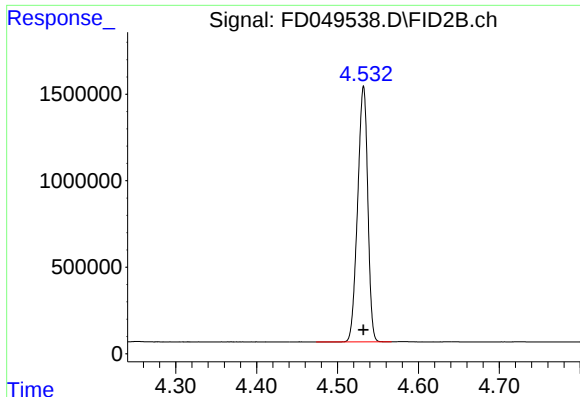
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Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD071525AR\  
Data File : FD049538.D  
Signal(s) : FID2B.ch  
Acq On    : 15 Jul 2025  09:05  
Operator  : YP/AJ  
Sample    : 100 PPM AROMATIC HC STD1  
Misc      :  
ALS Vial  : 61    Sample Multiplier: 1
```

Instrument :
FID_D
ClientSampleId :
100 PPM AROMATIC HC STD1

Integration File: autoint1.e
Quant Time: Jul 15 11:12:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 071525.M
Quant Title : GC Extractables
QLast Update : Tue Jul 15 11:09:36 2025
Response via : Initial Calibration
Integrator: ChemStation

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

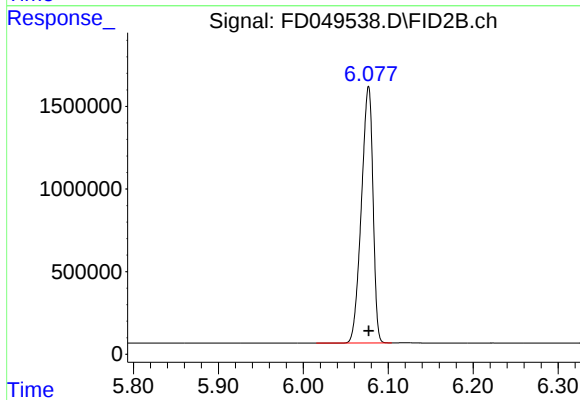




#1 1,2,3-Trimethylbenzene (C10.1)

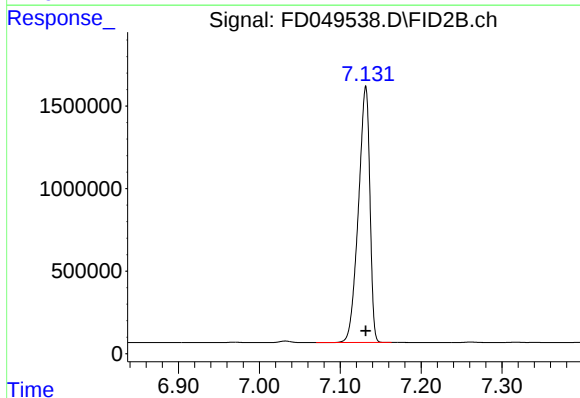
R.T.: 4.532 min
Delta R.T.: 0.000 min
Response: 12838724
Conc: 98.47 ug/ml

Instrument :
FID_D
ClientSampleId :
100 PPM AROMATIC HC STD1



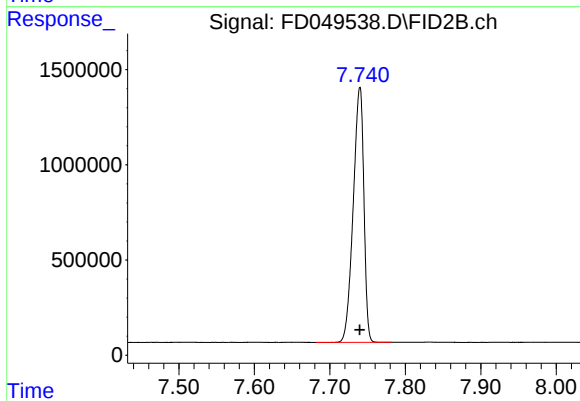
#2 Naphthalene (C11.7)

R.T.: 6.077 min
Delta R.T.: 0.000 min
Response: 14703937
Conc: 99.30 ug/ml



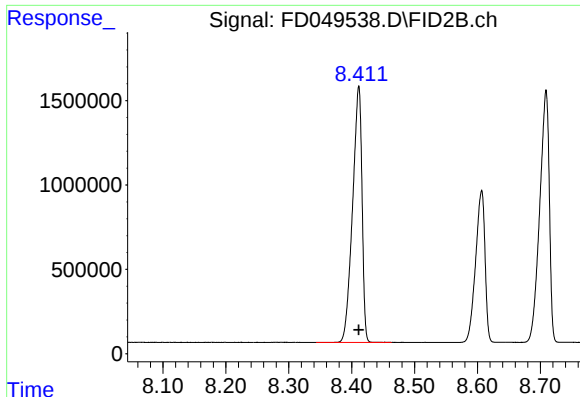
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.132 min
Delta R.T.: 0.000 min
Response: 15251945
Conc: 99.31 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.740 min
Delta R.T.: 0.000 min
Response: 13114429
Conc: 99.34 ug/ml



#5 Acenaphthylene (C15.06)

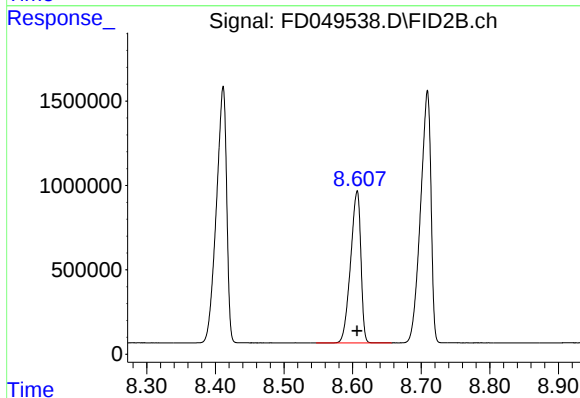
R.T.: 8.411 min
Delta R.T.: 0.000 min
Response: 15818960
Conc: 99.14 ug/ml

Instrument :

FID_D

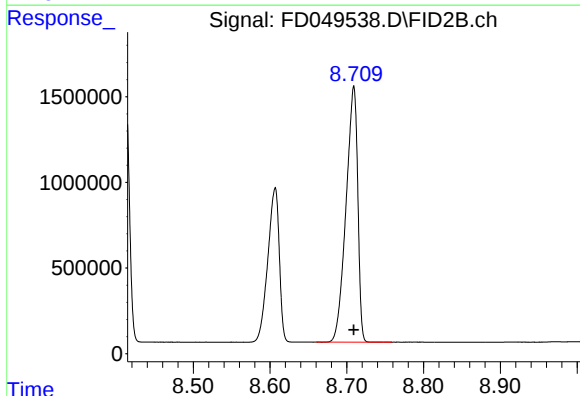
ClientSampleId :

100 PPM AROMATIC HC STD1



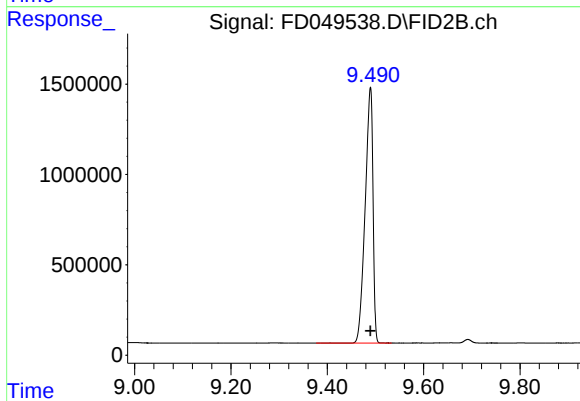
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.607 min
Delta R.T.: 0.000 min
Response: 9328277
Conc: 99.78 ug/ml



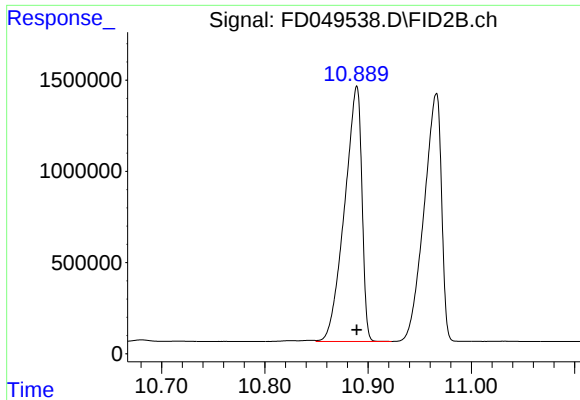
#7 Acenaphthene (C15.5)

R.T.: 8.709 min
Delta R.T.: 0.000 min
Response: 15802421
Conc: 99.35 ug/ml



#8 Fluorene (C16.55)

R.T.: 9.490 min
Delta R.T.: 0.000 min
Response: 15933145
Conc: 99.42 ug/ml



#9 Phenanthrene (C19.36)

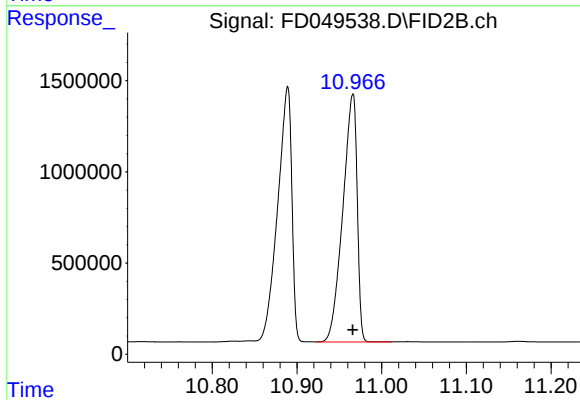
R.T.: 10.889 min
Delta R.T.: 0.000 min
Response: 16293108
Conc: 99.06 ug/ml

Instrument :

FID_D

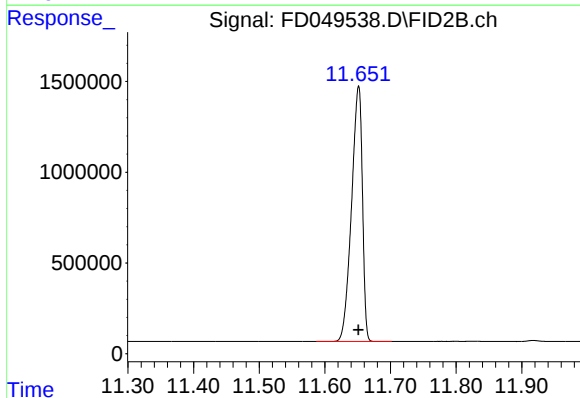
ClientSampleId :

100 PPM AROMATIC HC STD1



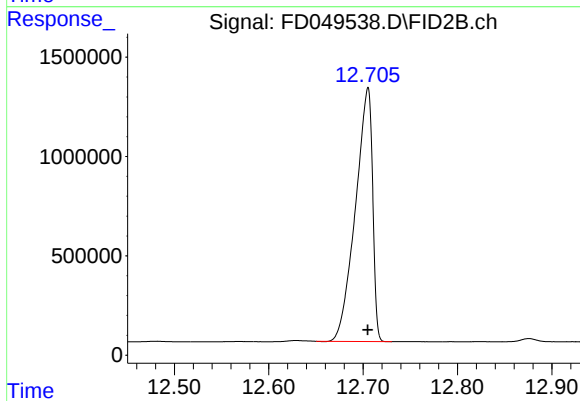
#10 Anthracene (C19.43)

R.T.: 10.966 min
Delta R.T.: 0.000 min
Response: 15958629
Conc: 99.39 ug/ml



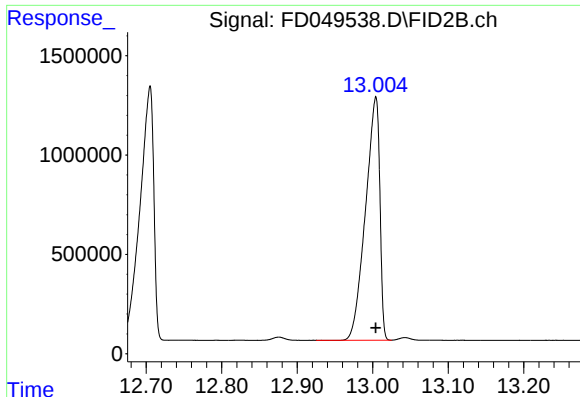
#11 ortho-Terphenyl (SURR)

R.T.: 11.651 min
Delta R.T.: 0.000 min
Response: 16179409
Conc: 98.99 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.705 min
Delta R.T.: 0.000 min
Response: 16137775
Conc: 98.96 ug/ml



#13 Pyrene (C20.8)

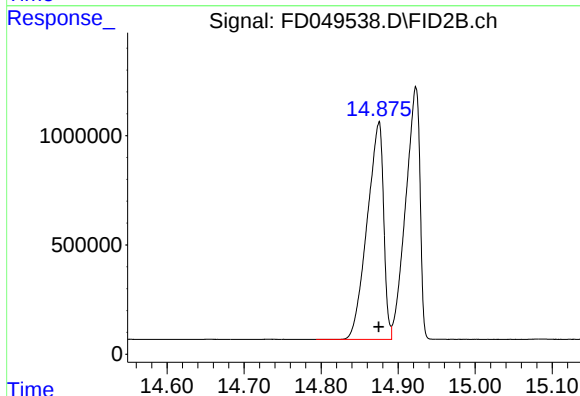
R.T.: 13.004 min
Delta R.T.: 0.000 min
Response: 16111007
Conc: 98.99 ug/ml

Instrument :

FID_D

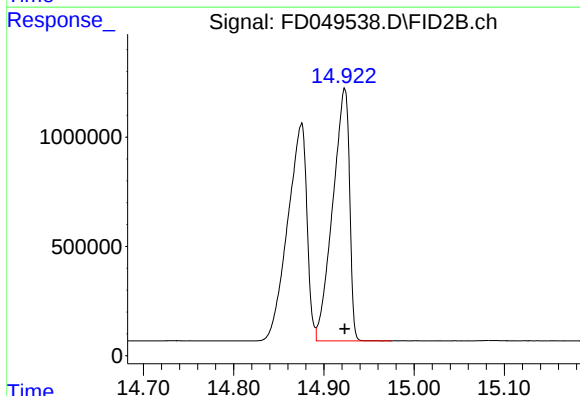
ClientSampleId :

100 PPM AROMATIC HC STD1



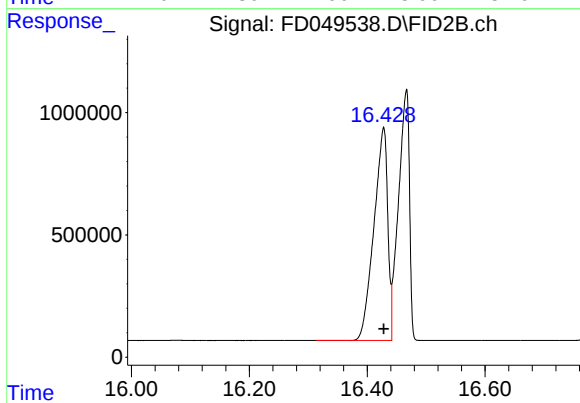
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.875 min
Delta R.T.: 0.000 min
Response: 14742474
Conc: 99.35 ug/ml



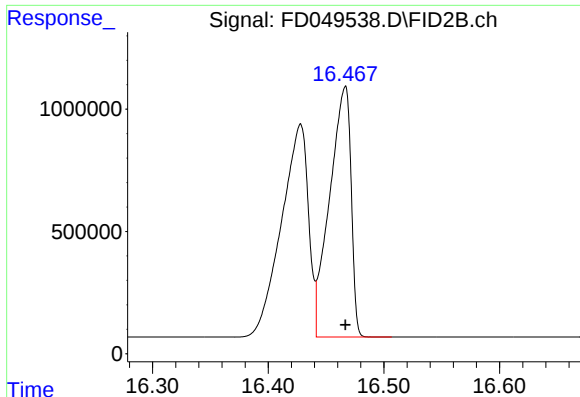
#15 Chrysene (C27.41)

R.T.: 14.923 min
Delta R.T.: 0.000 min
Response: 14884346
Conc: 99.19 ug/ml



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

R.T.: 16.428 min
Delta R.T.: 0.000 min
Response: 14149991
Conc: 99.13 ug/ml



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

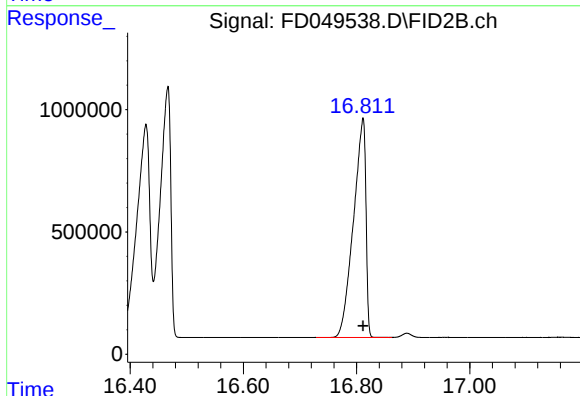
R.T.: 16.466 min
Delta R.T.: 0.000 min
Response: 13166303
Conc: 98.46 ug/ml

Instrument :

FID_D

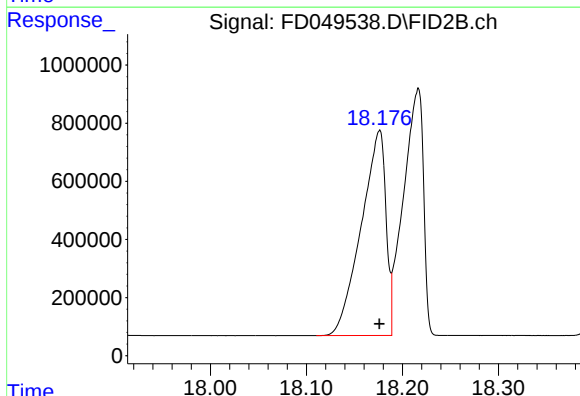
ClientSampleId :

100 PPM AROMATIC HC STD1



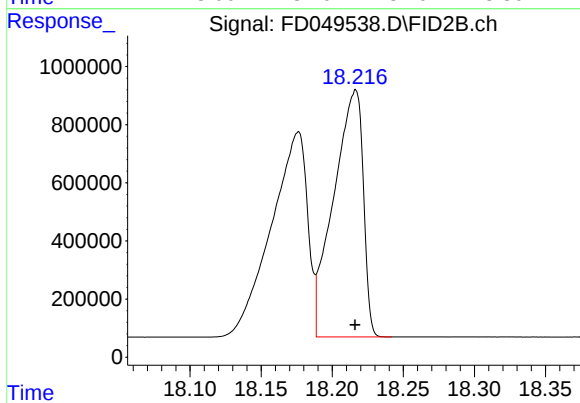
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.811 min
Delta R.T.: 0.000 min
Response: 13647797
Conc: 98.75 ug/ml



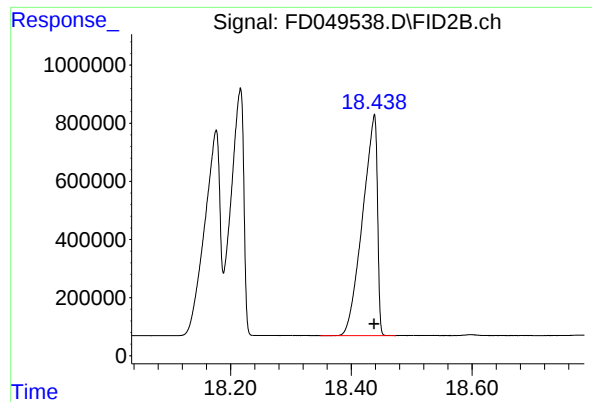
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.176 min
Delta R.T.: 0.000 min
Response: 12612631
Conc: 100.18 ug/ml



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

R.T.: 18.216 min
Delta R.T.: 0.000 min
Response: 12279372
Conc: 96.68 ug/ml



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

R.T.: 18.438 min
Delta R.T.: 0.000 min
Response: 12909380
Conc: 98.04 ug/ml

Instrument :

FID_D

ClientSampleId :

100 PPM AROMATIC HC STD1

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD071525AR\
Data File : FD049538.D
Signal(s) : FID2B.ch
Acq On : 15 Jul 2025 09:05
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 071525.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	4.532	4.473	4.567	BV	1477478	12838724	78.80%	4.253%
2	6.077	6.015	6.104	BV	1556240	14703937	90.25%	4.871%
3	7.132	7.070	7.163	BV	1555108	15251945	93.61%	5.053%
4	7.740	7.682	7.782	BV	1343744	13114429	80.49%	4.344%
5	8.411	8.343	8.463	BB	1524951	15818960	97.09%	5.240%
6	8.607	8.547	8.657	BB	902204	9328277	57.25%	3.090%
7	8.709	8.660	8.758	BB	1491868	15802421	96.99%	5.235%
8	9.490	9.377	9.533	BB	1418641	15933145	97.79%	5.278%
9	10.889	10.850	10.923	VV	1398093	16293108	100.00%	5.397%
10	10.966	10.923	11.012	VV	1358426	15958629	97.95%	5.287%
11	11.651	11.587	11.702	BB	1410826	16179409	99.30%	5.360%
12	12.705	12.650	12.730	BB	1281166	16137775	99.05%	5.346%
13	13.004	12.925	13.025	BV	1222335	16111007	98.88%	5.337%
14	14.875	14.793	14.891	BV	993912	14742474	90.48%	4.884%
15	14.923	14.891	14.975	VB	1155491	14884346	91.35%	4.931%
16	16.428	16.313	16.442	BV	872222	14149991	86.85%	4.688%
17	16.466	16.442	16.507	VB	1027770	13166303	80.81%	4.362%
18	16.811	16.728	16.862	BB	901010	13647797	83.76%	4.521%
19	18.176	18.110	18.189	BV	709317	12612631	77.41%	4.178%
20	18.216	18.189	18.242	VB	853148	12279372	75.37%	4.068%
21	18.438	18.348	18.473	BB	763932	12909380	79.23%	4.277%
Sum of corrected areas:						301864059		

Aromatic EPH 071525.M Tue Jul 15 12:44:10 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD071525AR\
 Data File : FD049539.D
 Signal(s) : FID2B.ch
 Acq On : 15 Jul 2025 09:50
 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: Jul 15 11:13:50 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 071525.M
 Quant Title : GC Extractables
 QLast Update : Tue Jul 15 11:09:36 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...	7.736	6542337	49.706 ug/ml
Spiked Amount 50.000		Recovery =	99.41%
6) S 2-Fluorobiphenyl (SURR)	8.602	4647189	49.806 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	99.61%
11) S ortho-Terphenyl (SURR)	11.646	8100297	49.707 ug/ml
Spiked Amount 50.000		Recovery =	99.41%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.530	6376298	49.264 ug/ml
2) T Naphthalene (C11.7)	6.073	7294017	49.505 ug/ml
3) T 2-Methylnaphthalene (...)	7.127	7592042	49.620 ug/ml
5) T Acenaphthylene (C15.06)	8.406	7904367	49.690 ug/ml
7) T Acenaphthene (C15.5)	8.702	7895815	49.760 ug/ml
8) T Fluorene (C16.55)	9.483	7966758	49.806 ug/ml
9) T Phenanthrene (C19.36)	10.881	8143591	49.672 ug/ml
10) T Anthracene (C19.43)	10.958	7957582	49.707 ug/ml
12) T Fluoranthene (C21.85)	12.696	8091221	49.745 ug/ml
13) T Pyrene (C20.8)	12.995	8076994	49.750 ug/ml
14) T Benzo[a]anthracene (C...	14.865	7383814	49.840 ug/ml
15) T Chrysene (C27.41)	14.911	7457276	49.797 ug/ml
16) T benzo[b]fluoranthene ...	16.417	7096871	49.813 ug/ml
17) T Bnezo[k]fluoranthene ...	16.452	6672332	49.919 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.798	6890720	49.905 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.161	6233249	49.670 ug/ml
20) T Dibenz[a,h]anthracene...	18.201	6408313	50.097 ug/ml
21) T Benzo[g,h,i]perylene ...	18.420	6547645	49.817 ug/ml

(f)=RT Delta > 1/2 Window

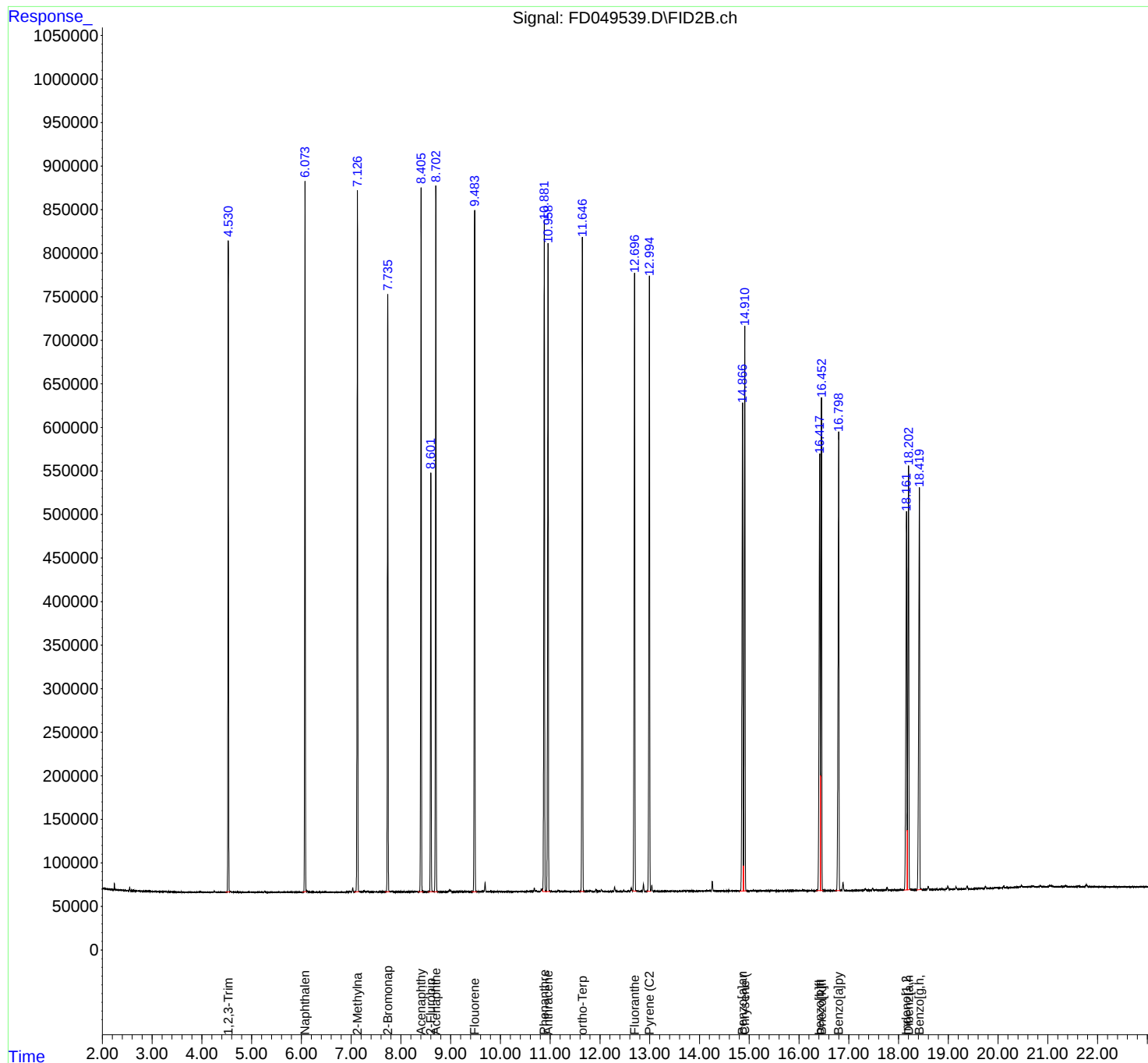
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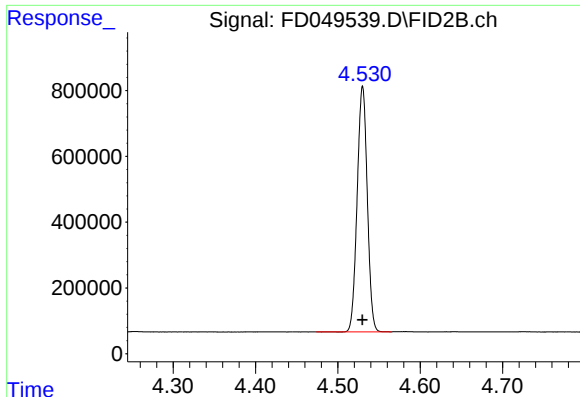
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD071525AR\
Data File : FD049539.D
Signal(s) : FID2B.ch
Acq On : 15 Jul 2025 09:50
Operator : YP/AJ
Sample : 50 PPM AROMATIC HC STD2
Misc :
ALS Vial : 62 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2

Integration File: autoint1.e
Quant Time: Jul 15 11:13:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 071525.M
Quant Title : GC Extractables
QLast Update : Tue Jul 15 11:09:36 2025
Response via : Initial Calibration
Integrator: ChemStation

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

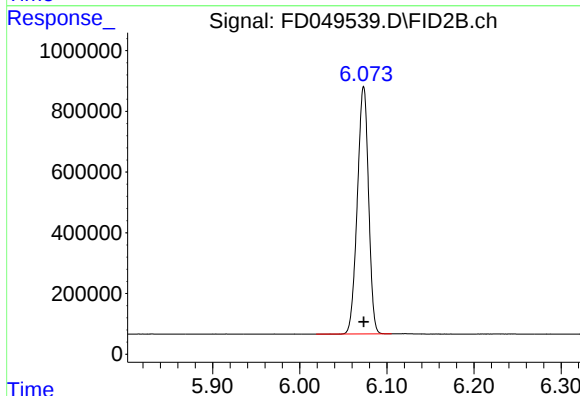




#1 1,2,3-Trimethylbenzene (C10.1)

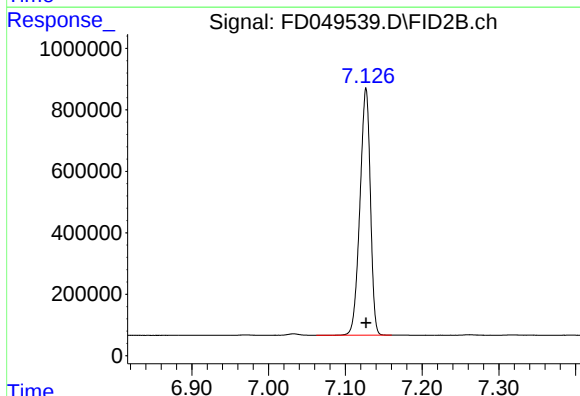
R.T.: 4.530 min
Delta R.T.: 0.000 min
Response: 6376298
Conc: 49.26 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2



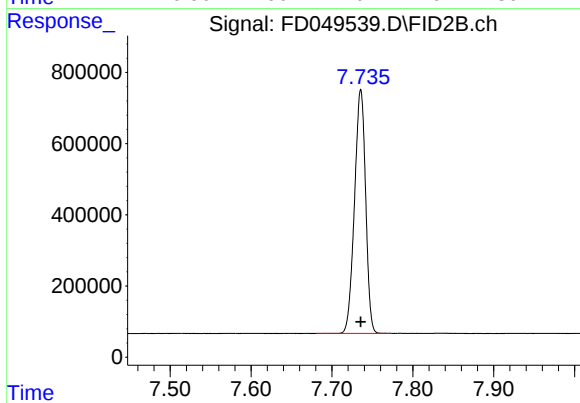
#2 Naphthalene (C11.7)

R.T.: 6.073 min
Delta R.T.: 0.000 min
Response: 7294017
Conc: 49.50 ug/ml



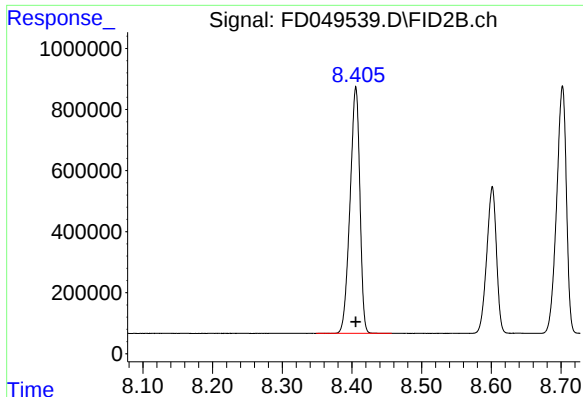
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.127 min
Delta R.T.: 0.000 min
Response: 7592042
Conc: 49.62 ug/ml



#4 2-Bromonaphthalene (SURR)

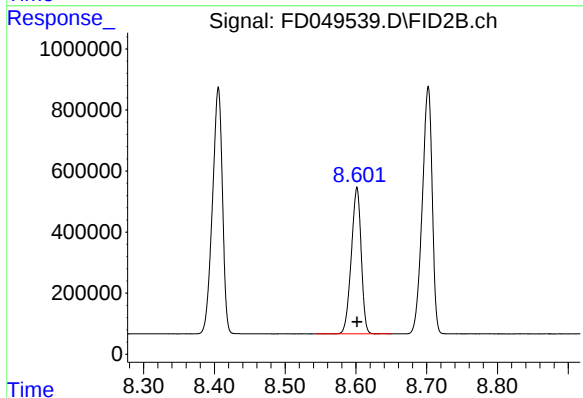
R.T.: 7.736 min
Delta R.T.: 0.000 min
Response: 6542337
Conc: 49.71 ug/ml



#5 Acenaphthylene (C15.06)

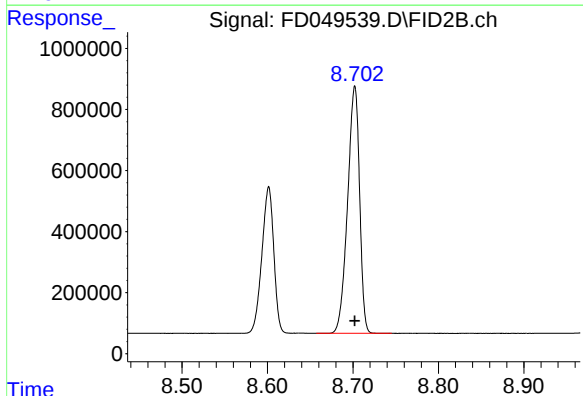
R.T.: 8.406 min
Delta R.T.: 0.000 min
Response: 7904367
Conc: 49.69 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2



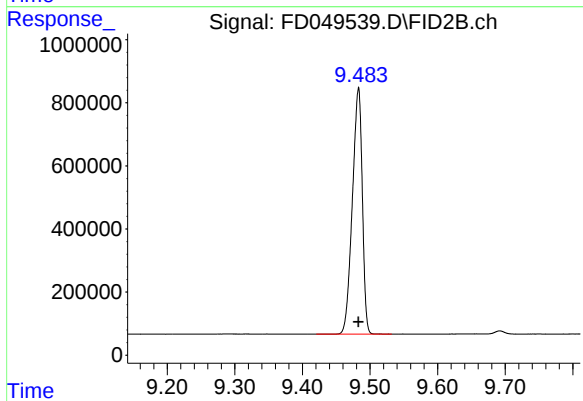
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.602 min
Delta R.T.: 0.000 min
Response: 4647189
Conc: 49.81 ug/ml



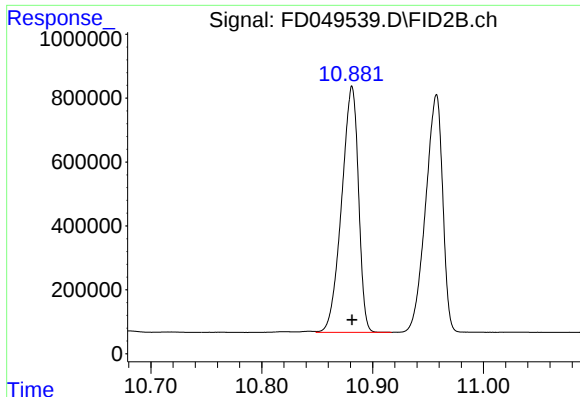
#7 Acenaphthene (C15.5)

R.T.: 8.702 min
Delta R.T.: 0.000 min
Response: 7895815
Conc: 49.76 ug/ml



#8 Fluorene (C16.55)

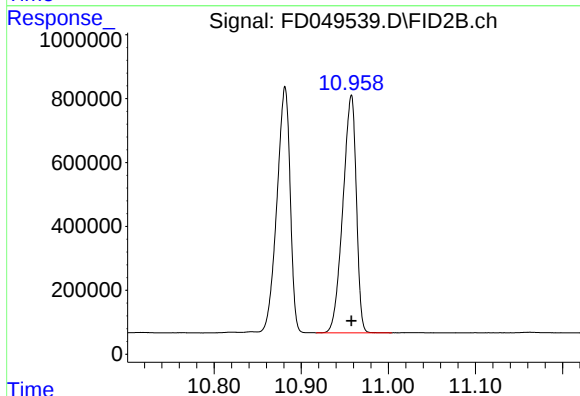
R.T.: 9.483 min
Delta R.T.: 0.000 min
Response: 7966758
Conc: 49.81 ug/ml



#9 Phenanthrene (C19.36)

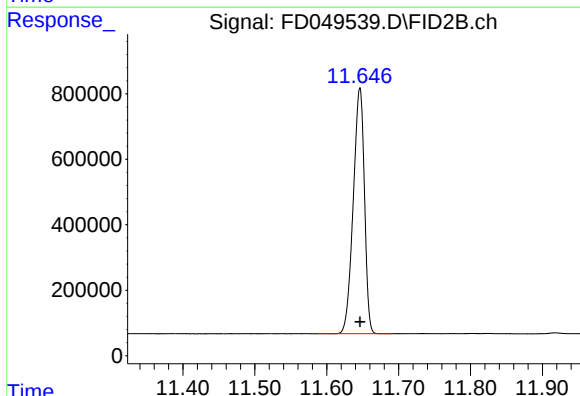
R.T.: 10.881 min
Delta R.T.: 0.000 min
Response: 8143591
Conc: 49.67 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2



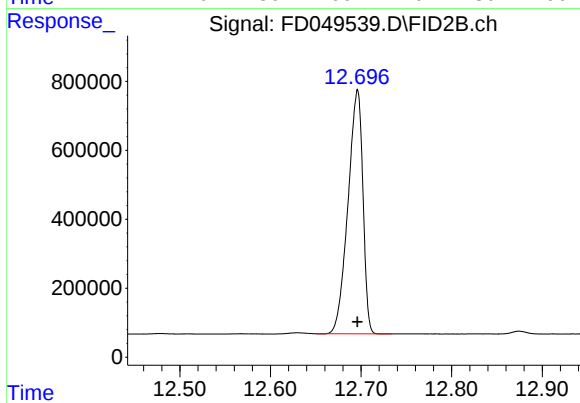
#10 Anthracene (C19.43)

R.T.: 10.958 min
Delta R.T.: 0.000 min
Response: 7957582
Conc: 49.71 ug/ml



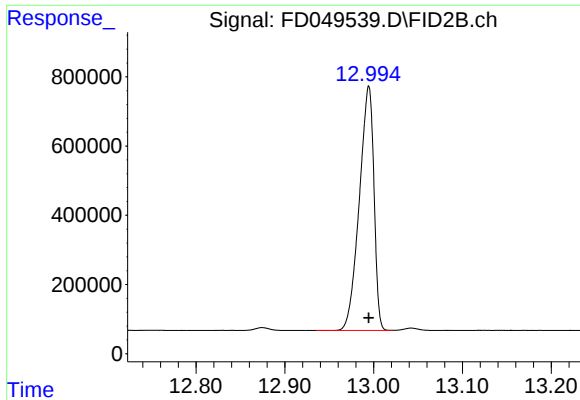
#11 ortho-Terphenyl (SURR)

R.T.: 11.646 min
Delta R.T.: 0.000 min
Response: 8100297
Conc: 49.71 ug/ml



#12 Fluoranthene (C21.85)

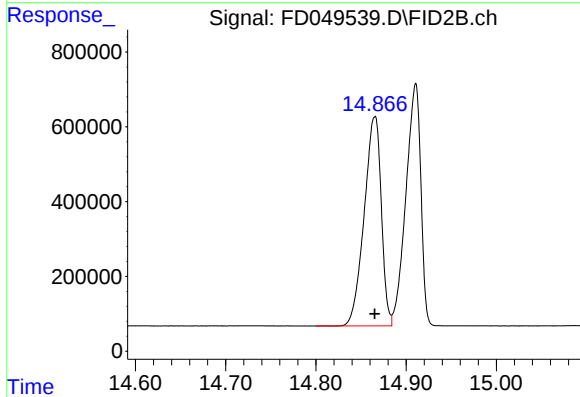
R.T.: 12.696 min
Delta R.T.: 0.000 min
Response: 8091221
Conc: 49.75 ug/ml



#13 Pyrene (C20.8)

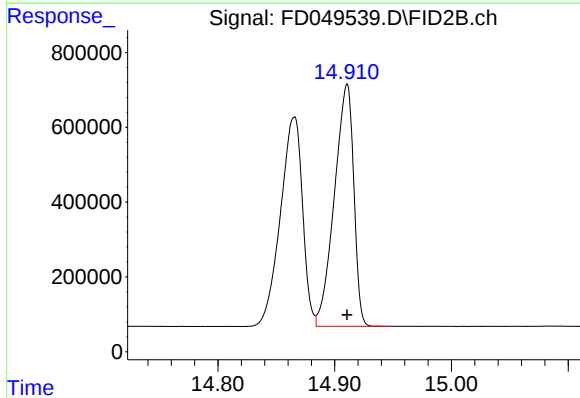
R.T.: 12.995 min
Delta R.T.: 0.000 min
Response: 8076994
Conc: 49.75 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2



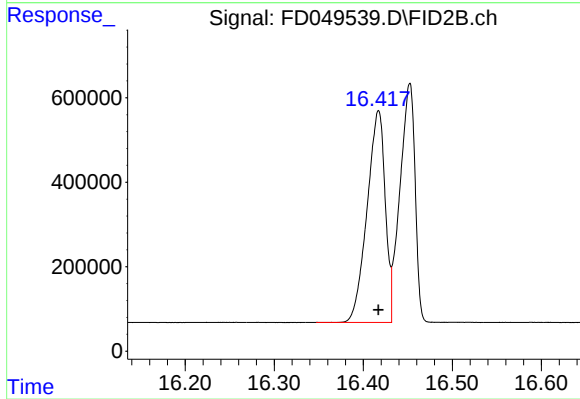
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.865 min
Delta R.T.: 0.000 min
Response: 7383814
Conc: 49.84 ug/ml



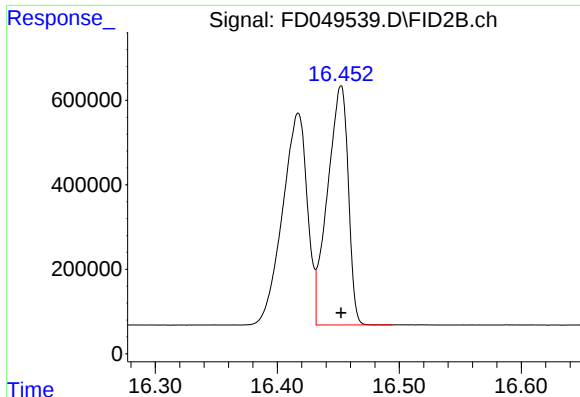
#15 Chrysene (C27.41)

R.T.: 14.911 min
Delta R.T.: 0.000 min
Response: 7457276
Conc: 49.80 ug/ml



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

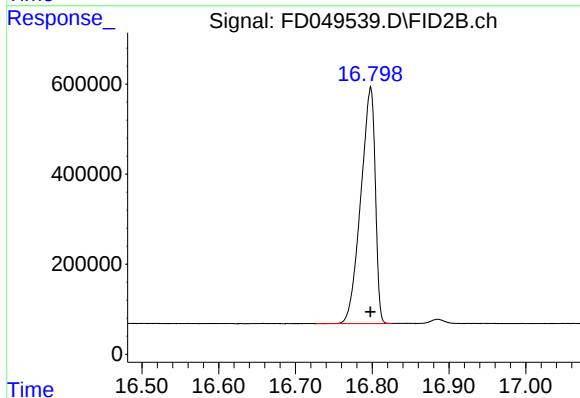
R.T.: 16.417 min
Delta R.T.: 0.000 min
Response: 7096871
Conc: 49.81 ug/ml



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

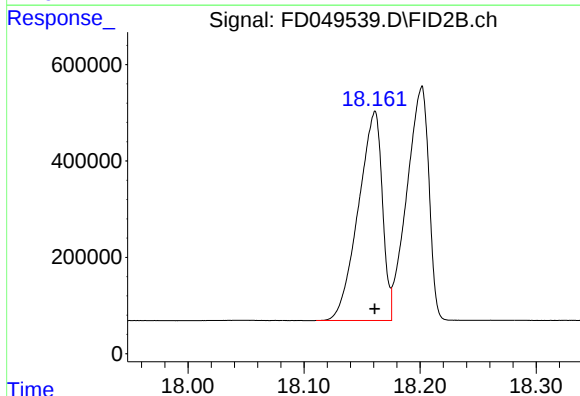
R.T.: 16.452 min
Delta R.T.: 0.000 min
Response: 6672332
Conc: 49.92 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2



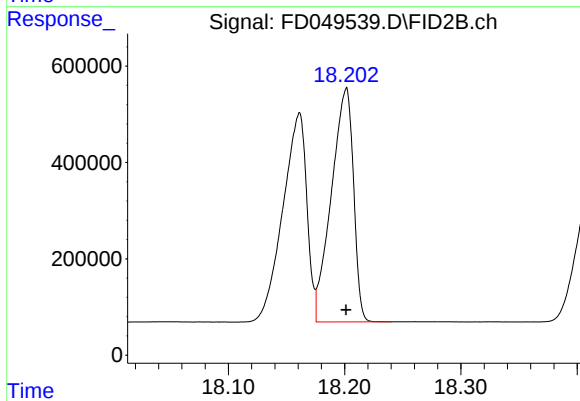
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.798 min
Delta R.T.: 0.000 min
Response: 6890720
Conc: 49.90 ug/ml



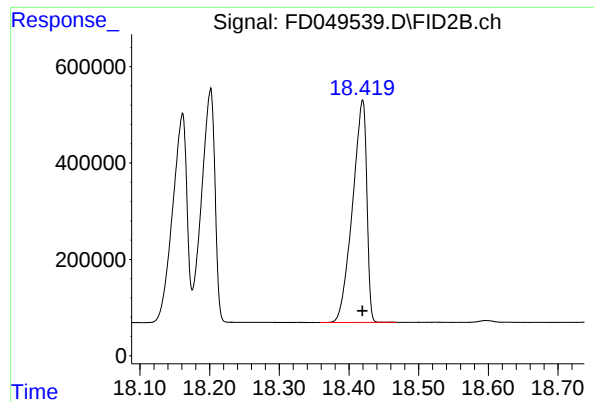
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.161 min
Delta R.T.: 0.000 min
Response: 6233249
Conc: 49.67 ug/ml



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

R.T.: 18.201 min
Delta R.T.: 0.000 min
Response: 6408313
Conc: 50.10 ug/ml



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

R.T.: 18.420 min
Delta R.T.: 0.000 min
Response: 6547645
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\FD071525AR\
 Data File : FD049539.D
 Signal(s) : FID2B.ch
 Acq On : 15 Jul 2025 09:50
 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 071525.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	4.530	4.474	4.565	BV	747377	6376298	78.30%	4.215%
2	6.073	6.019	6.105	BV	816102	7294017	89.57%	4.822%
3	7.127	7.062	7.160	BB	805226	7592042	93.23%	5.019%
4	7.736	7.680	7.774	BB	684805	6542337	80.34%	4.325%
5	8.406	8.349	8.457	BB	806469	7904367	97.06%	5.225%
6	8.602	8.544	8.650	BB	481482	4647189	57.07%	3.072%
7	8.702	8.657	8.745	BB	810273	7895815	96.96%	5.219%
8	9.483	9.420	9.532	BB	785375	7966758	97.83%	5.266%
9	10.881	10.849	10.917	VV	771300	8143591	100.00%	5.383%
10	10.958	10.917	11.004	VB	743155	7957582	97.72%	5.260%
11	11.646	11.585	11.690	BB	750720	8100297	99.47%	5.355%
12	12.696	12.650	12.734	BB	706274	8091221	99.36%	5.349%
13	12.995	12.935	13.020	BV	707490	8076994	99.18%	5.339%
14	14.865	14.800	14.884	BV	559414	7383814	90.67%	4.881%
15	14.911	14.884	14.949	VB	647797	7457276	91.57%	4.929%
16	16.417	16.347	16.432	BV	501708	7096871	87.15%	4.691%
17	16.452	16.432	16.494	VB	566097	6672332	81.93%	4.411%
18	16.798	16.727	16.825	BV	526594	6890720	84.62%	4.555%
19	18.161	18.110	18.175	BV	432420	6233249	76.54%	4.120%
20	18.201	18.175	18.240	VB	488804	6408313	78.69%	4.236%
21	18.420	18.359	18.467	BB	463003	6547645	80.40%	4.328%
Sum of corrected areas:						151278727		

Aromatic EPH 071525.M Tue Jul 15 12:43:31 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD071525AR\
 Data File : FD049540.D
 Signal(s) : FID2B.ch
 Acq On : 15 Jul 2025 10:35
 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: Jul 15 11:09:51 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 071525.M
 Quant Title : GC Extractables
 QLast Update : Tue Jul 15 11:09:36 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...	7.733	2657495	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
6) S 2-Fluorobiphenyl (SURR)	8.598	1873831	20.000 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	40.00%
11) S ortho-Terphenyl (SURR)	11.642	3301622	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.529	2647645	20.000 ug/ml
2) T Naphthalene (C11.7)	6.071	2982013	20.000 ug/ml
3) T 2-Methylnaphthalene (...)	7.124	3092952	20.000 ug/ml
5) T Acenaphthylene (C15.06)	8.402	3218800	20.000 ug/ml
7) T Acenaphthene (C15.5)	8.698	3201933	20.000 ug/ml
8) T Flouorene (C16.55)	9.478	3223959	20.000 ug/ml
9) T Phenanthrene (C19.36)	10.876	3320753	20.000 ug/ml
10) T Anthracene (C19.43)	10.951	3230701	20.000 ug/ml
12) T Fluoranthene (C21.85)	12.689	3295137	20.000 ug/ml
13) T Pyrene (C20.8)	12.987	3288172	20.000 ug/ml
14) T Benzo[a]anthracene (C...	14.857	2987017	20.000 ug/ml
15) T Chrysene (C27.41)	14.899	3025343	20.000 ug/ml
16) T benzo[b]fluoranthene ...	16.407	2879515	20.000 ug/ml
17) T Bnezo[k]fluoranthene ...	16.439	2717547	20.000 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.785	2798827	20.000 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.148	2513712	20.000 ug/ml
20) T Dibenz[a,h]anthracene...	18.189	2655955	20.000 ug/ml
21) T Benzo[g,h,i]perylene ...	18.404	2685089	20.000 ug/ml

(f)=RT Delta > 1/2 Window

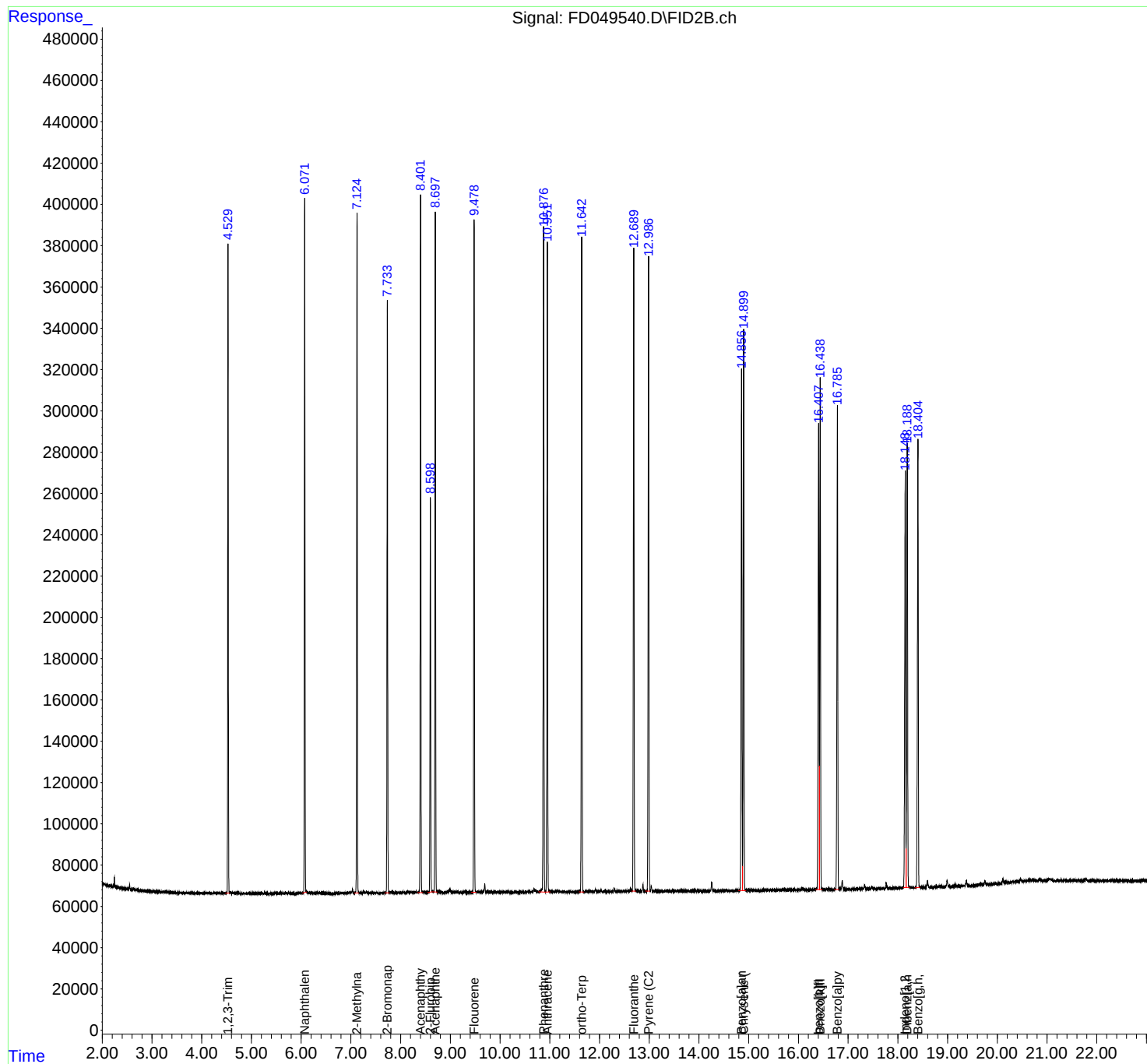
(m)=manual int.

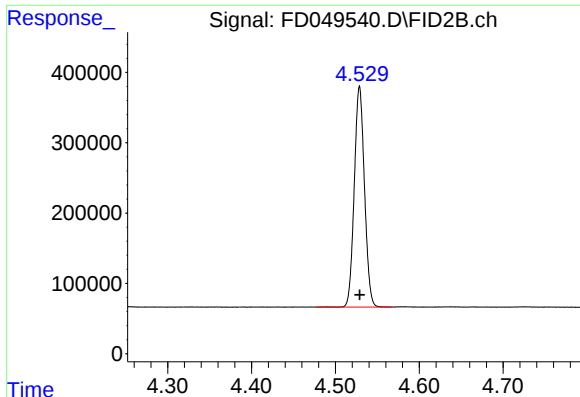
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD071525AR\
Data File : FD049540.D
Signal(s) : FID2B.ch
Acq On : 15 Jul 2025 10:35
Operator : YP/AJ
Sample : 20 PPM AROMATIC HC STD3
Misc :
ALS Vial : 63 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3

Integration File: autoint1.e
Quant Time: Jul 15 11:09:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 071525.M
Quant Title : GC Extractables
QLast Update : Tue Jul 15 11:09:36 2025
Response via : Initial Calibration
Integrator: ChemStation

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

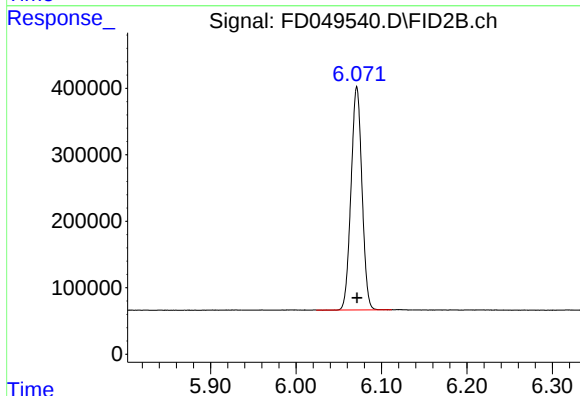




#1 1,2,3-Trimethylbenzene (C10.1)

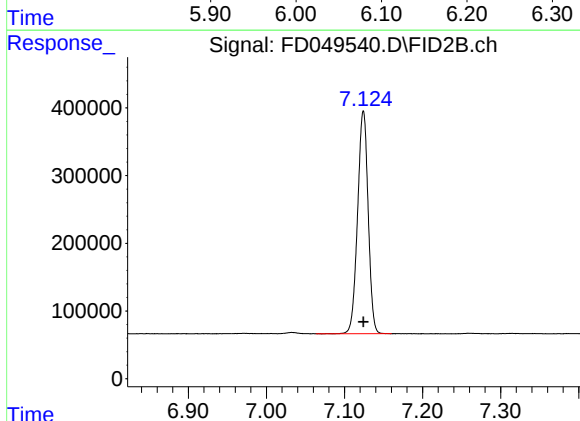
R.T.: 4.529 min
Delta R.T.: 0.000 min
Response: 2647645
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3



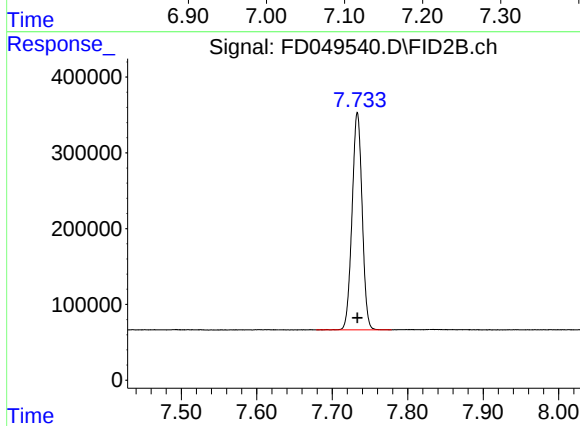
#2 Naphthalene (C11.7)

R.T.: 6.071 min
Delta R.T.: 0.000 min
Response: 2982013
Conc: 20.00 ug/ml



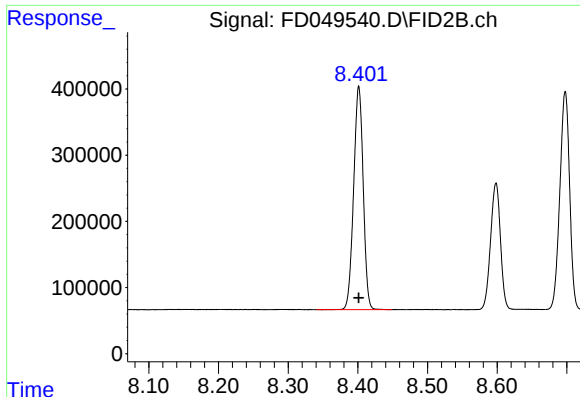
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.124 min
Delta R.T.: 0.000 min
Response: 3092952
Conc: 20.00 ug/ml



#4 2-Bromonaphthalene (SURR)

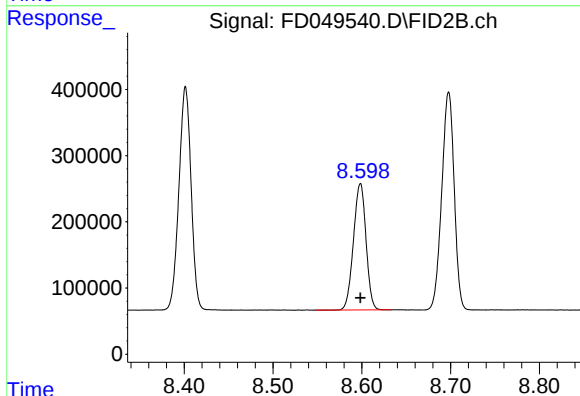
R.T.: 7.733 min
Delta R.T.: 0.000 min
Response: 2657495
Conc: 20.00 ug/ml



#5 Acenaphthylene (C15.06)

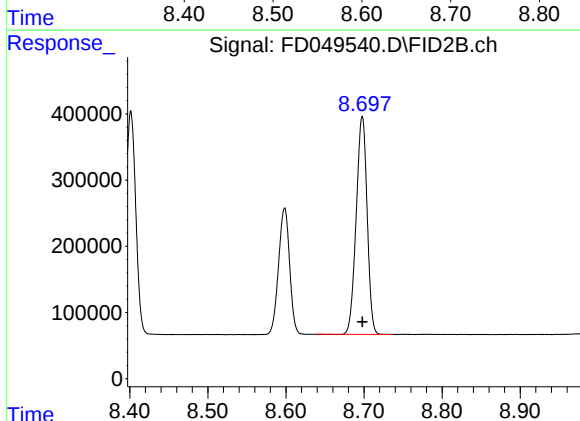
R.T.: 8.402 min
Delta R.T.: 0.000 min
Response: 3218800
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3



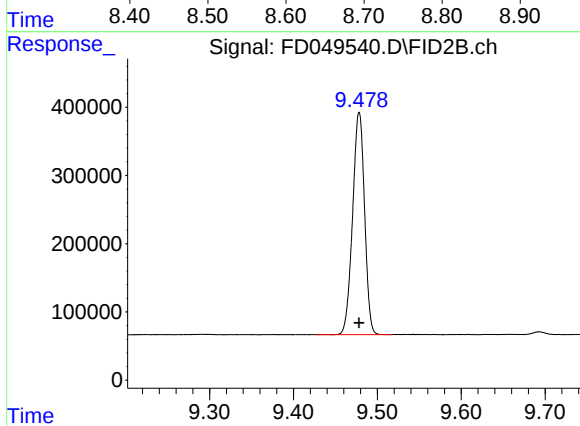
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.598 min
Delta R.T.: 0.000 min
Response: 1873831
Conc: 20.00 ug/ml



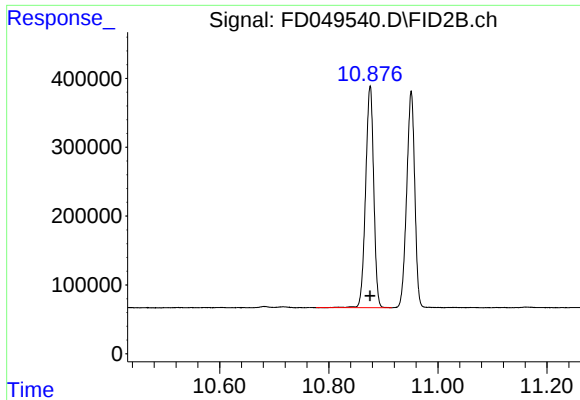
#7 Acenaphthene (C15.5)

R.T.: 8.698 min
Delta R.T.: 0.000 min
Response: 3201933
Conc: 20.00 ug/ml



#8 Fluorene (C16.55)

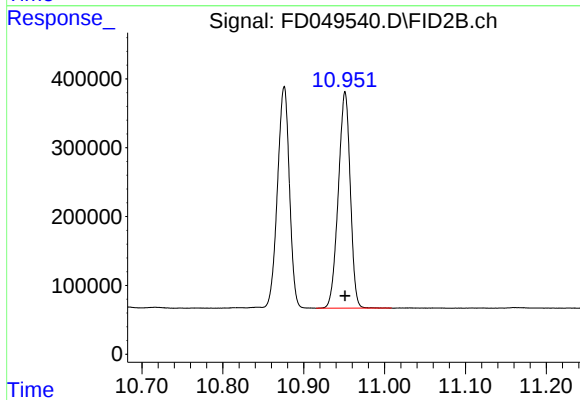
R.T.: 9.478 min
Delta R.T.: 0.000 min
Response: 3223959
Conc: 20.00 ug/ml



#9 Phenanthrene (C19.36)

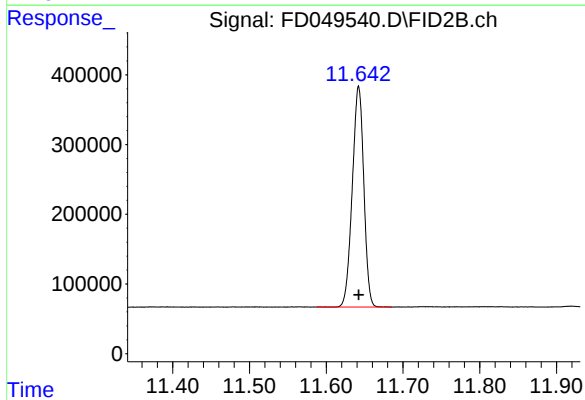
R.T.: 10.876 min
Delta R.T.: 0.000 min
Response: 3320753
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3



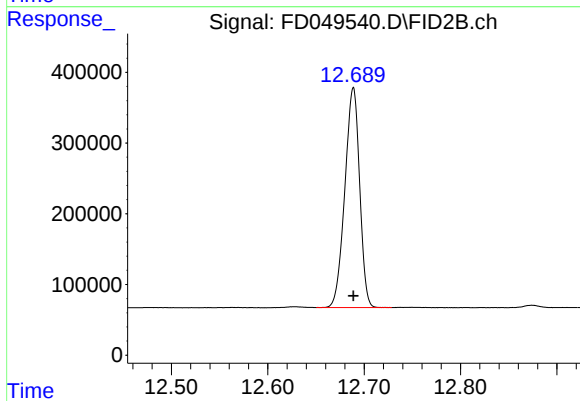
#10 Anthracene (C19.43)

R.T.: 10.951 min
Delta R.T.: 0.000 min
Response: 3230701
Conc: 20.00 ug/ml



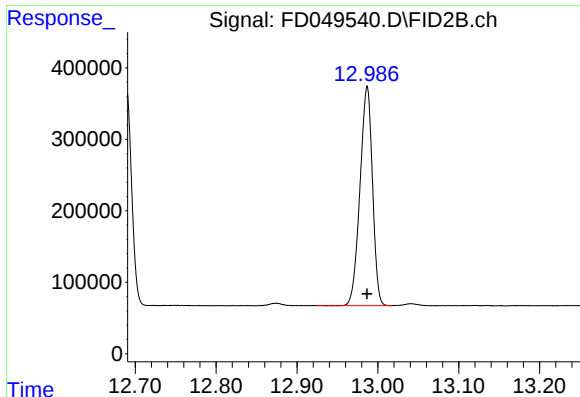
#11 ortho-Terphenyl (SURR)

R.T.: 11.642 min
Delta R.T.: 0.000 min
Response: 3301622
Conc: 20.00 ug/ml



#12 Fluoranthene (C21.85)

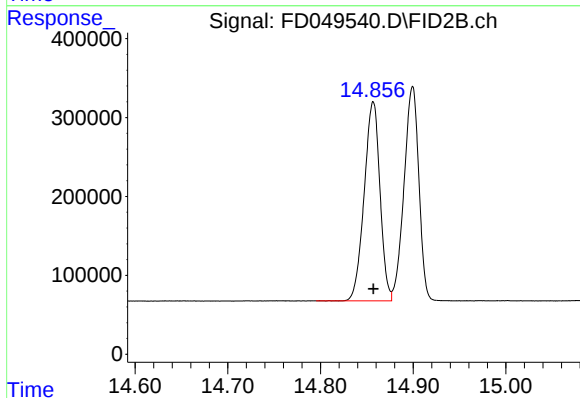
R.T.: 12.689 min
Delta R.T.: 0.000 min
Response: 3295137
Conc: 20.00 ug/ml



#13 Pyrene (C20.8)

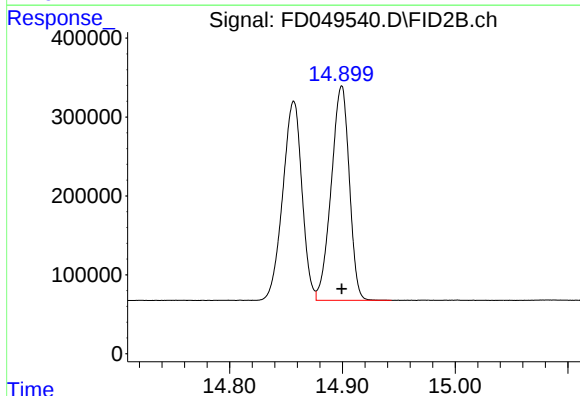
R.T.: 12.987 min
Delta R.T.: 0.000 min
Response: 3288172
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3



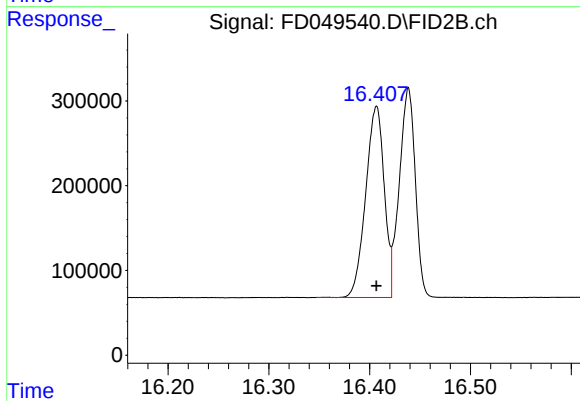
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.857 min
Delta R.T.: 0.000 min
Response: 2987017
Conc: 20.00 ug/ml



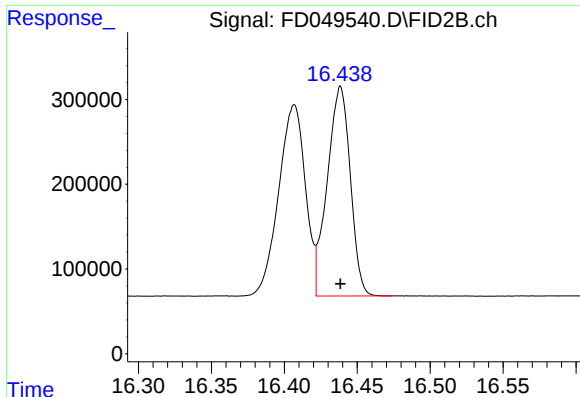
#15 Chrysene (C27.41)

R.T.: 14.899 min
Delta R.T.: 0.000 min
Response: 3025343
Conc: 20.00 ug/ml



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

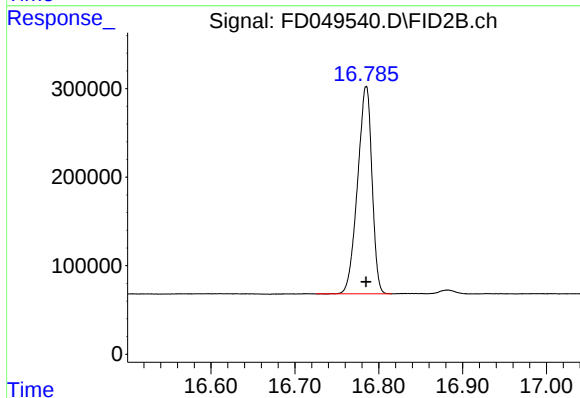
R.T.: 16.407 min
Delta R.T.: 0.000 min
Response: 2879515
Conc: 20.00 ug/ml



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

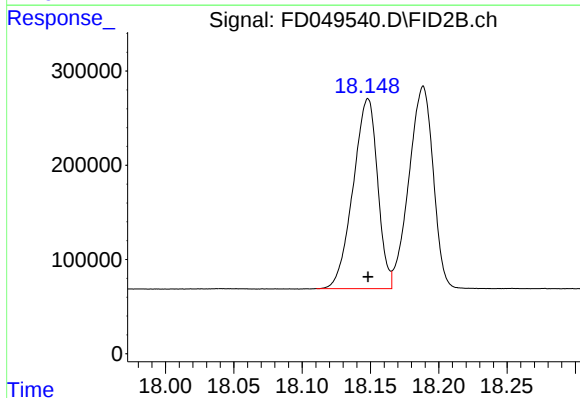
R.T.: 16.439 min
Delta R.T.: 0.000 min
Response: 2717547
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3



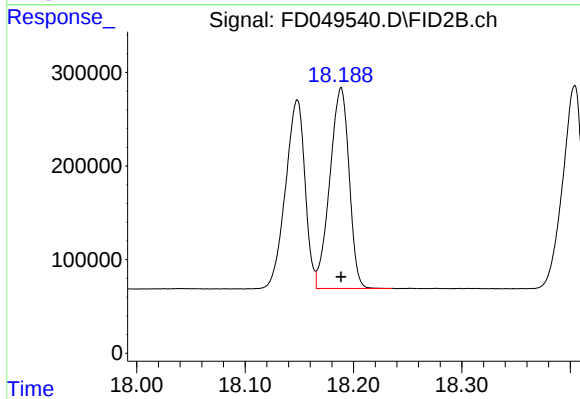
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.785 min
Delta R.T.: 0.000 min
Response: 2798827
Conc: 20.00 ug/ml



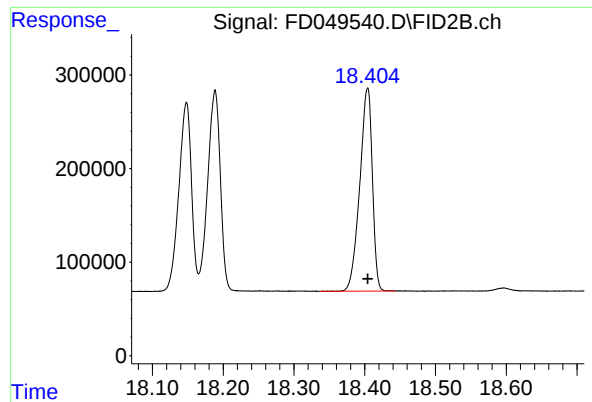
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.148 min
Delta R.T.: 0.000 min
Response: 2513712
Conc: 20.00 ug/ml



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

R.T.: 18.189 min
Delta R.T.: 0.000 min
Response: 2655955
Conc: 20.00 ug/ml



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

R.T.: 18.404 min
Delta R.T.: 0.000 min
Response: 2685089
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\FD071525AR\
 Data File : FD049540.D
 Signal(s) : FID2B.ch
 Acq On : 15 Jul 2025 10:35
 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 071525.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	4.529	4.477	4.567	BB	313756	2647645	79.73%	4.298%
2	6.071	6.024	6.112	BB	335445	2982013	89.80%	4.841%
3	7.124	7.064	7.160	BB	329083	3092952	93.14%	5.021%
4	7.733	7.679	7.779	BB	286821	2657495	80.03%	4.314%
5	8.402	8.340	8.449	BB	337097	3218800	96.93%	5.225%
6	8.598	8.549	8.634	BB	191318	1873831	56.43%	3.042%
7	8.698	8.639	8.735	BB	329804	3201933	96.42%	5.198%
8	9.478	9.427	9.517	BB	325979	3223959	97.09%	5.234%
9	10.876	10.777	10.915	BV	321924	3320753	100.00%	5.391%
10	10.951	10.915	11.009	PB	314347	3230701	97.29%	5.245%
11	11.642	11.587	11.685	BB	316909	3301622	99.42%	5.360%
12	12.689	12.650	12.729	BB	311022	3295137	99.23%	5.349%
13	12.987	12.924	13.017	BV	307230	3288172	99.02%	5.338%
14	14.857	14.795	14.877	BV	252710	2987017	89.95%	4.849%
15	14.899	14.877	14.944	VB	271687	3025343	91.10%	4.911%
16	16.407	16.347	16.422	BV	226065	2879515	86.71%	4.675%
17	16.439	16.422	16.474	VB	247924	2717547	81.84%	4.412%
18	16.785	16.725	16.815	BB	234368	2798827	84.28%	4.544%
19	18.148	18.110	18.166	BV	201915	2513712	75.70%	4.081%
20	18.189	18.166	18.235	VB	215022	2655955	79.98%	4.312%
21	18.404	18.337	18.444	BB	216768	2685089	80.86%	4.359%
Sum of corrected areas:							61598017	

Aromatic EPH 071525.M Tue Jul 15 12:43:01 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD071525AR\
 Data File : FD049541.D
 Signal(s) : FID2B.ch
 Acq On : 15 Jul 2025 11:20
 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: Jul 15 11:46:57 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 071525.M
 Quant Title : GC Extractables
 QLast Update : Tue Jul 15 11:46:49 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...	7.733	1331110	10.085 ug/ml
Spiked Amount 50.000		Recovery =	20.17%
6) S 2-Fluorobiphenyl (SURR)	8.597	944217	10.089 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	20.18%
11) S ortho-Terphenyl (SURR)	11.639	1696094	10.303 ug/ml
Spiked Amount 50.000		Recovery =	20.61%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.529	1313376	10.110 ug/ml
2) T Naphthalene (C11.7)	6.071	1483595	10.052 ug/ml
3) T 2-Methylnaphthalene (...)	7.124	1540732	10.052 ug/ml
5) T Acenaphthylene (C15.06)	8.400	1623051	10.152 ug/ml
7) T Acenaphthene (C15.5)	8.696	1619398	10.153 ug/ml
8) T Flouorene (C16.55)	9.476	1636908	10.174 ug/ml
9) T Phenanthrene (C19.36)	10.873	1685110	10.207 ug/ml
10) T Anthracene (C19.43)	10.947	1639412	10.179 ug/ml
12) T Fluoranthene (C21.85)	12.685	1674231	10.218 ug/ml
13) T Pyrene (C20.8)	12.982	1669755	10.212 ug/ml
14) T Benzo[a]anthracene (C...	14.853	1490031	10.043 ug/ml
15) T Chrysene (C27.41)	14.895	1512963	10.077 ug/ml
16) T benzo[b]fluoranthene ...	16.403	1442916	10.096 ug/ml
17) T Bnezo[k]fluoranthene ...	16.435	1368187	10.176 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.781	1407620	10.145 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.144	1275059	10.120 ug/ml
20) T Dibenz[a,h]anthracene...	18.185	1372351	10.536 ug/ml
21) T Benzo[g,h,i]perylene ...	18.399	1359173	10.254 ug/ml

(f)=RT Delta > 1/2 Window

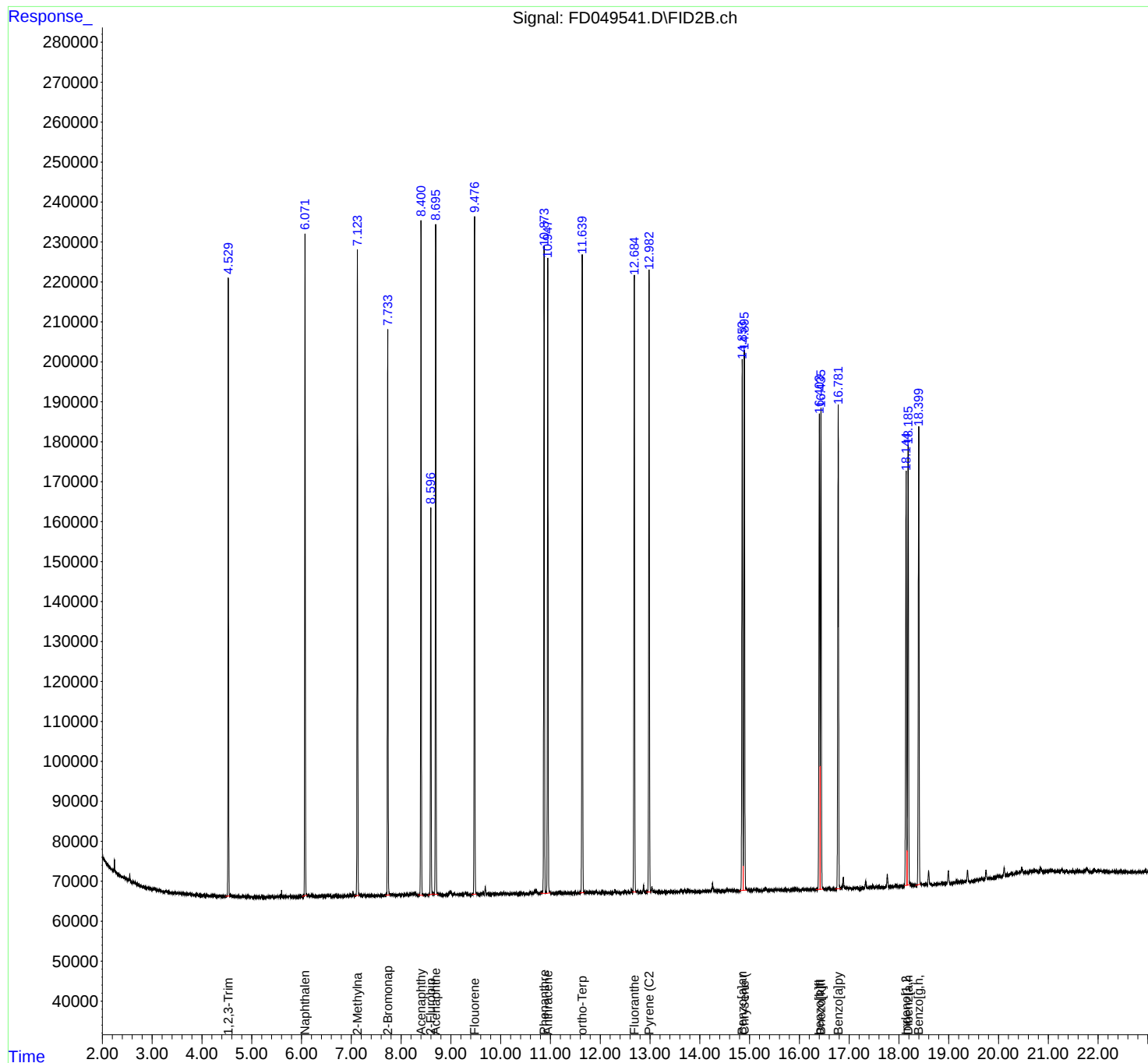
(m)=manual int.

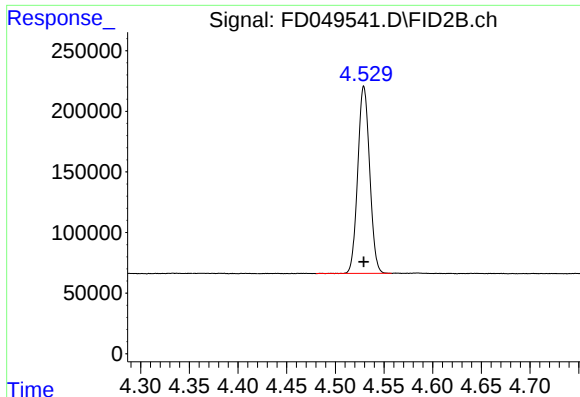
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD071525AR\
Data File : FD049541.D
Signal(s) : FID2B.ch
Acq On : 15 Jul 2025 11:20
Operator : YP/AJ
Sample : 10 PPM AROMATIC HC STD4
Misc :
ALS Vial : 64 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4

Integration File: autoint1.e
Quant Time: Jul 15 11:46:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 071525.M
Quant Title : GC Extractables
QLast Update : Tue Jul 15 11:46:49 2025
Response via : Initial Calibration
Integrator: ChemStation

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

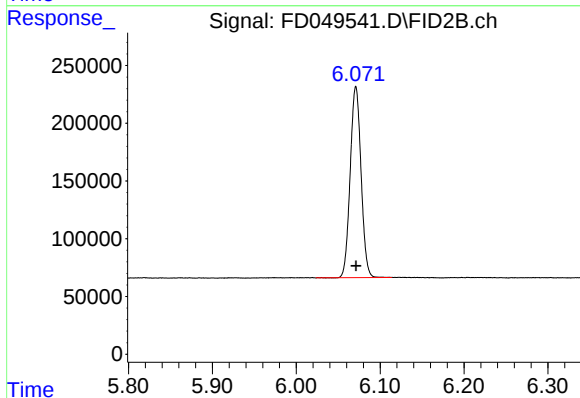




#1 1,2,3-Trimethylbenzene (C10.1)

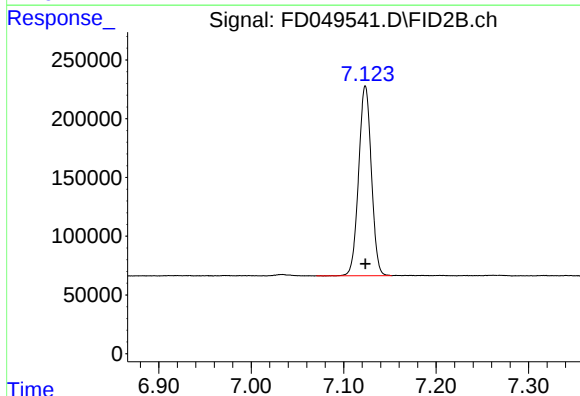
R.T.: 4.529 min
Delta R.T.: 0.000 min
Response: 1313376
Conc: 10.11 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4



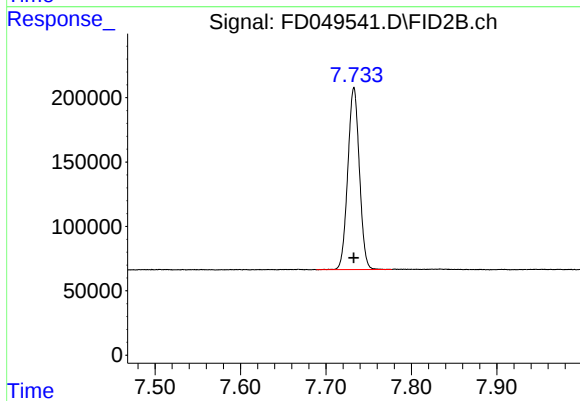
#2 Naphthalene (C11.7)

R.T.: 6.071 min
Delta R.T.: 0.000 min
Response: 1483595
Conc: 10.05 ug/ml



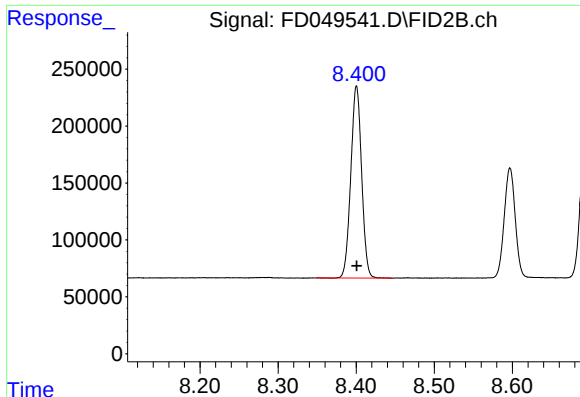
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.124 min
Delta R.T.: 0.000 min
Response: 1540732
Conc: 10.05 ug/ml



#4 2-Bromonaphthalene (SURR)

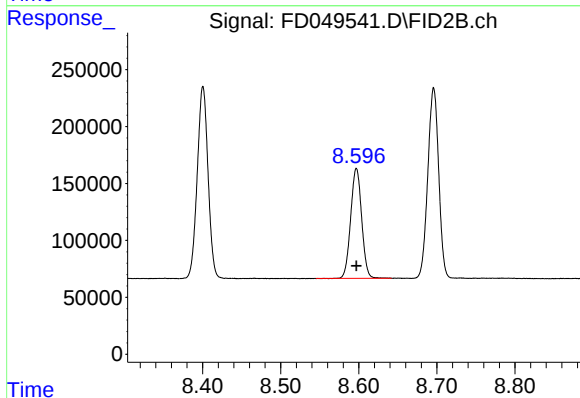
R.T.: 7.733 min
Delta R.T.: 0.000 min
Response: 1331110
Conc: 10.08 ug/ml



#5 Acenaphthylene (C15.06)

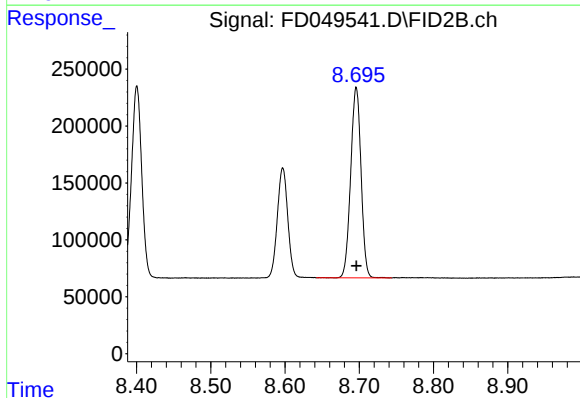
R.T.: 8.400 min
Delta R.T.: 0.000 min
Response: 1623051
Conc: 10.15 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4



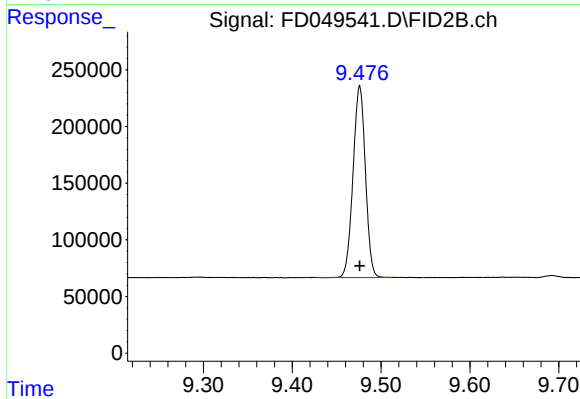
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.597 min
Delta R.T.: 0.000 min
Response: 944217
Conc: 10.09 ug/ml



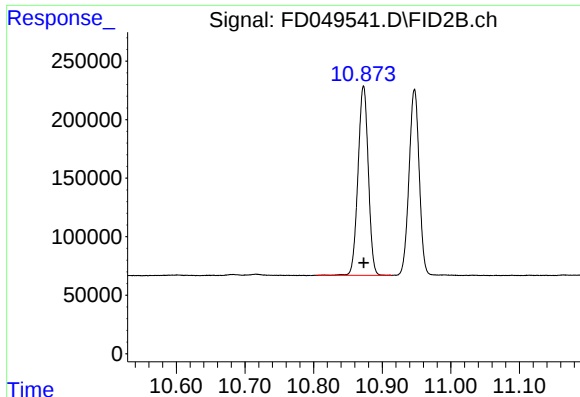
#7 Acenaphthene (C15.5)

R.T.: 8.696 min
Delta R.T.: 0.000 min
Response: 1619398
Conc: 10.15 ug/ml



#8 Fluorene (C16.55)

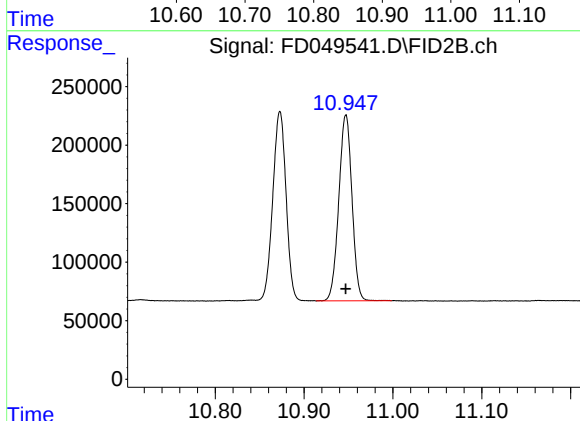
R.T.: 9.476 min
Delta R.T.: 0.000 min
Response: 1636908
Conc: 10.17 ug/ml



#9 Phenanthrene (C19.36)

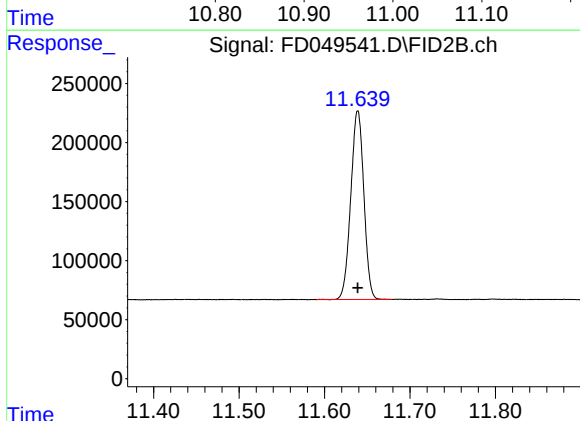
R.T.: 10.873 min
Delta R.T.: 0.000 min
Response: 1685110
Conc: 10.21 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4



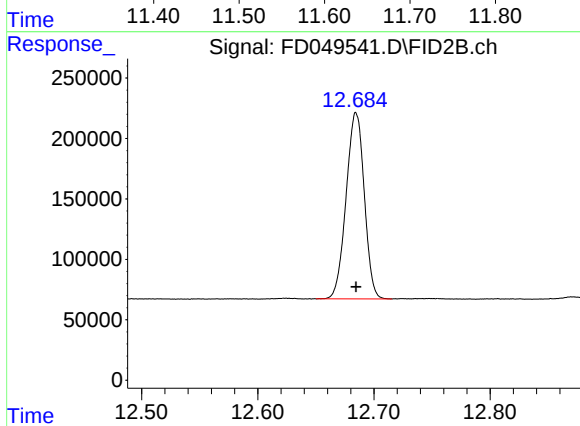
#10 Anthracene (C19.43)

R.T.: 10.947 min
Delta R.T.: 0.000 min
Response: 1639412
Conc: 10.18 ug/ml



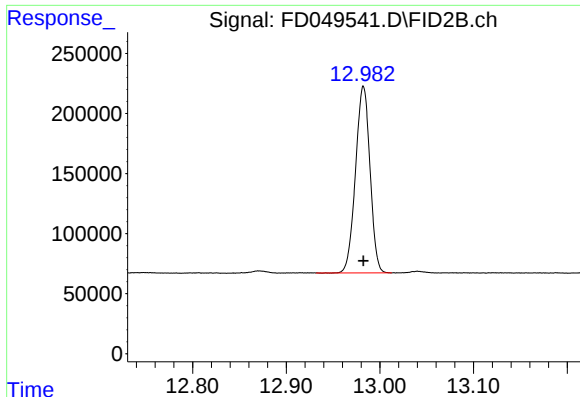
#11 ortho-Terphenyl (SURR)

R.T.: 11.639 min
Delta R.T.: 0.000 min
Response: 1696094
Conc: 10.30 ug/ml



#12 Fluoranthene (C21.85)

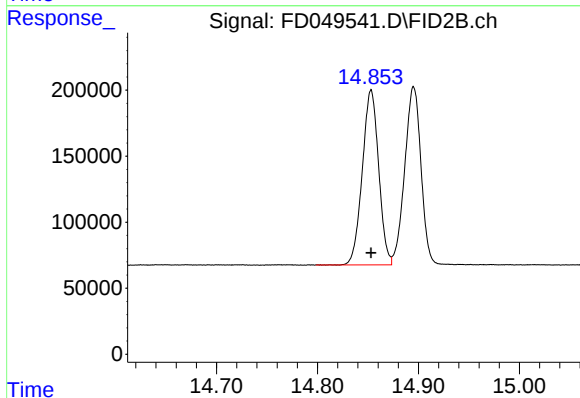
R.T.: 12.685 min
Delta R.T.: 0.000 min
Response: 1674231
Conc: 10.22 ug/ml



#13 Pyrene (C20.8)

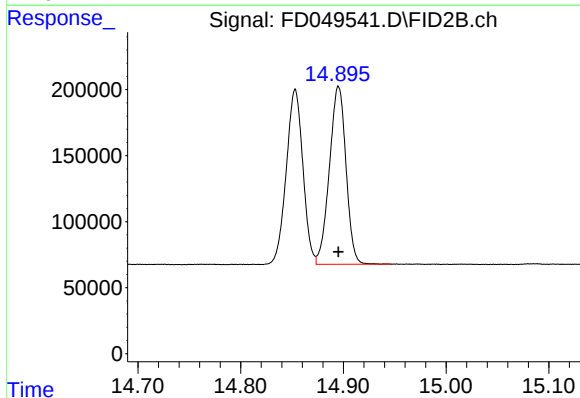
R.T.: 12.982 min
Delta R.T.: 0.000 min
Response: 1669755
Conc: 10.21 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4



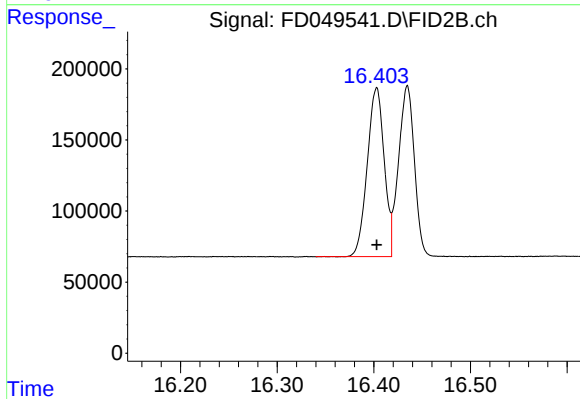
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.853 min
Delta R.T.: 0.000 min
Response: 1490031
Conc: 10.04 ug/ml



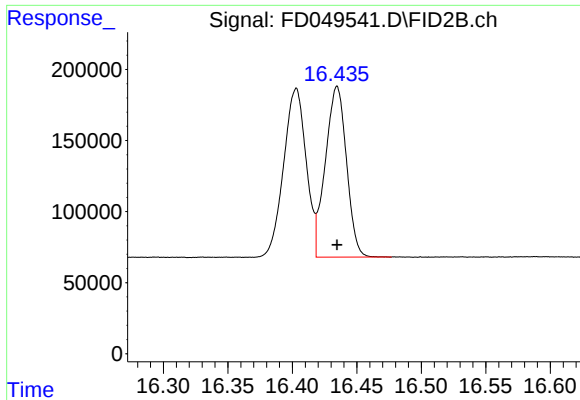
#15 Chrysene (C27.41)

R.T.: 14.895 min
Delta R.T.: 0.000 min
Response: 1512963
Conc: 10.08 ug/ml



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

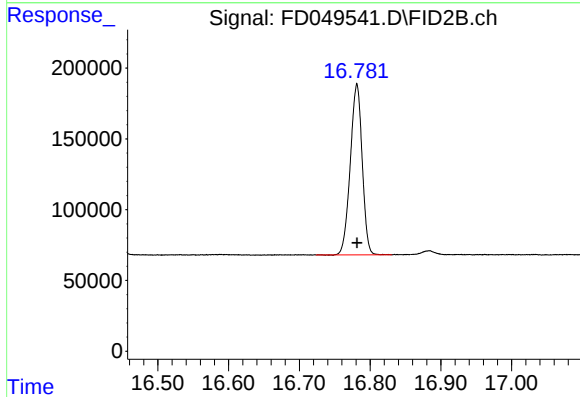
R.T.: 16.403 min
Delta R.T.: 0.000 min
Response: 1442916
Conc: 10.10 ug/ml



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

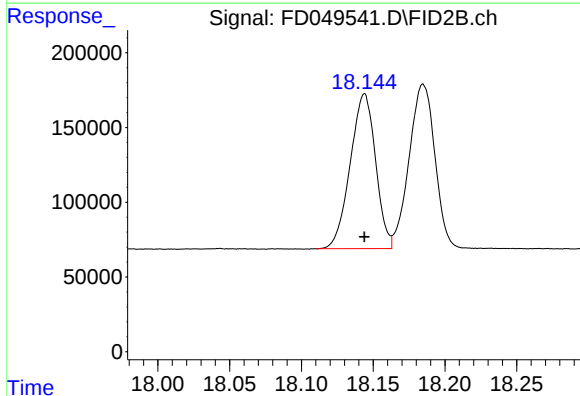
R.T.: 16.435 min
Delta R.T.: 0.000 min
Response: 1368187
Conc: 10.18 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4



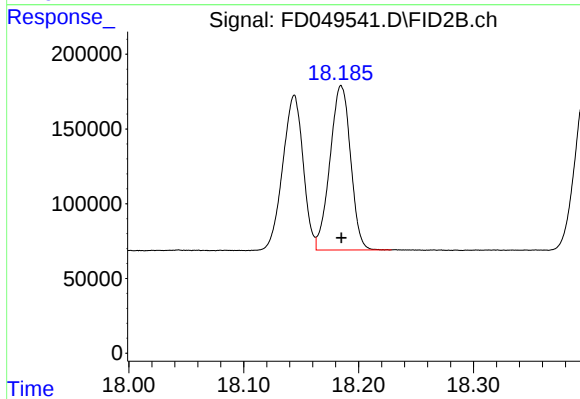
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.781 min
Delta R.T.: 0.000 min
Response: 1407620
Conc: 10.15 ug/ml



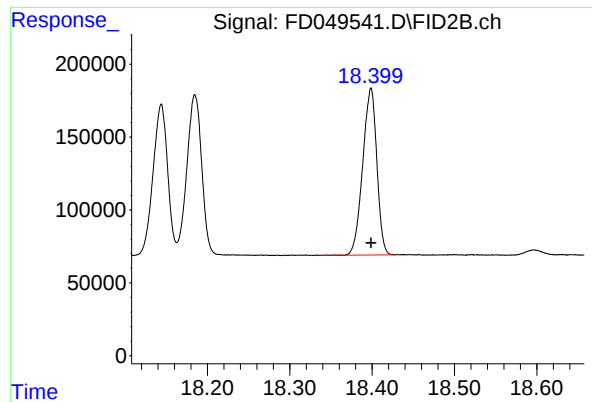
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.144 min
Delta R.T.: 0.000 min
Response: 1275059
Conc: 10.12 ug/ml



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

R.T.: 18.185 min
Delta R.T.: 0.000 min
Response: 1372351
Conc: 10.54 ug/ml



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

R.T.: 18.399 min
Delta R.T.: 0.000 min
Response: 1359173
Conc: 10.25 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD071525AR\
Data File : FD049541.D
Signal(s) : FID2B.ch
Acq On : 15 Jul 2025 11:20
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 071525.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	4.529	4.480	4.558	BB	154390	1313376	77.44%	4.225%
2	6.071	6.024	6.114	BB	165310	1483595	87.47%	4.773%
3	7.124	7.070	7.152	BB	161586	1540732	90.84%	4.956%
4	7.733	7.689	7.777	BB	141822	1331110	78.48%	4.282%
5	8.400	8.349	8.445	BB	168861	1623051	95.69%	5.221%
6	8.597	8.545	8.642	BB	96671	944217	55.67%	3.038%
7	8.696	8.642	8.744	BB	167402	1619398	95.48%	5.210%
8	9.476	9.427	9.512	BB	168882	1636908	96.51%	5.266%
9	10.873	10.804	10.914	BV	162080	1685110	99.35%	5.421%
10	10.947	10.914	10.999	PB	158889	1639412	96.66%	5.274%
11	11.639	11.590	11.679	BB	159897	1696094	100.00%	5.456%
12	12.685	12.650	12.715	BB	153340	1674231	98.71%	5.386%
13	12.982	12.932	13.013	BV	155548	1669755	98.45%	5.372%
14	14.853	14.799	14.873	BV	132697	1490031	87.85%	4.793%
15	14.895	14.873	14.947	VB	134850	1512963	89.20%	4.867%
16	16.403	16.340	16.418	BV	119388	1442916	85.07%	4.642%
17	16.435	16.418	16.477	VB	120320	1368187	80.67%	4.401%
18	16.781	16.724	16.830	BB	120917	1407620	82.99%	4.528%
19	18.144	18.110	18.163	BV	103624	1275059	75.18%	4.102%
20	18.185	18.163	18.229	VB	109862	1372351	80.91%	4.415%
21	18.399	18.337	18.429	BB	114710	1359173	80.14%	4.372%
Sum of corrected areas:						31085290		

Aromatic EPH 071525.M Tue Jul 15 12:42:47 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD071525AR\
 Data File : FD049542.D
 Signal(s) : FID2B.ch
 Acq On : 15 Jul 2025 12:05
 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: Jul 15 12:31:51 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 071525.M
 Quant Title : GC Extractables
 QLast Update : Tue Jul 15 12:31:43 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...	7.731	630984	4.823 ug/ml
Spiked Amount 50.000		Recovery =	9.65%
6) S 2-Fluorobiphenyl (SURR)	8.596	444887	4.801 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	9.60%
11) S ortho-Terphenyl (SURR)	11.639	806734	4.920 ug/ml
Spiked Amount 50.000		Recovery =	9.84%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.525	631555	4.889 ug/ml
2) T Naphthalene (C11.7)	6.069	707076	4.831 ug/ml
3) T 2-Methylnaphthalene (...)	7.122	731156	4.815 ug/ml
5) T Acenaphthylene (C15.06)	8.399	770713	4.855 ug/ml
7) T Acenaphthene (C15.5)	8.694	768316	4.853 ug/ml
8) T Flouorene (C16.55)	9.475	775858	4.857 ug/ml
9) T Phenanthrene (C19.36)	10.872	793351	4.843 ug/ml
10) T Anthracene (C19.43)	10.946	761259	4.779 ug/ml
12) T Fluoranthene (C21.85)	12.685	786676	4.840 ug/ml
13) T Pyrene (C20.8)	12.982	787103	4.850 ug/ml
14) T Benzo[a]anthracene (C...	14.853	693980	4.739 ug/ml
15) T Chrysene (C27.41)	14.894	717861	4.824 ug/ml
16) T benzo[b]fluoranthene ...	16.401	683719	4.825 ug/ml
17) T Bnezo[k]fluoranthene ...	16.433	653067	4.885 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.779	667040	4.845 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.142	611265	4.880 ug/ml
20) T Dibenz[a,h]anthracene...	18.184	688571	5.227 ug/ml
21) T Benzo[g,h,i]perylene ...	18.395	657514	4.968 ug/ml

(f)=RT Delta > 1/2 Window

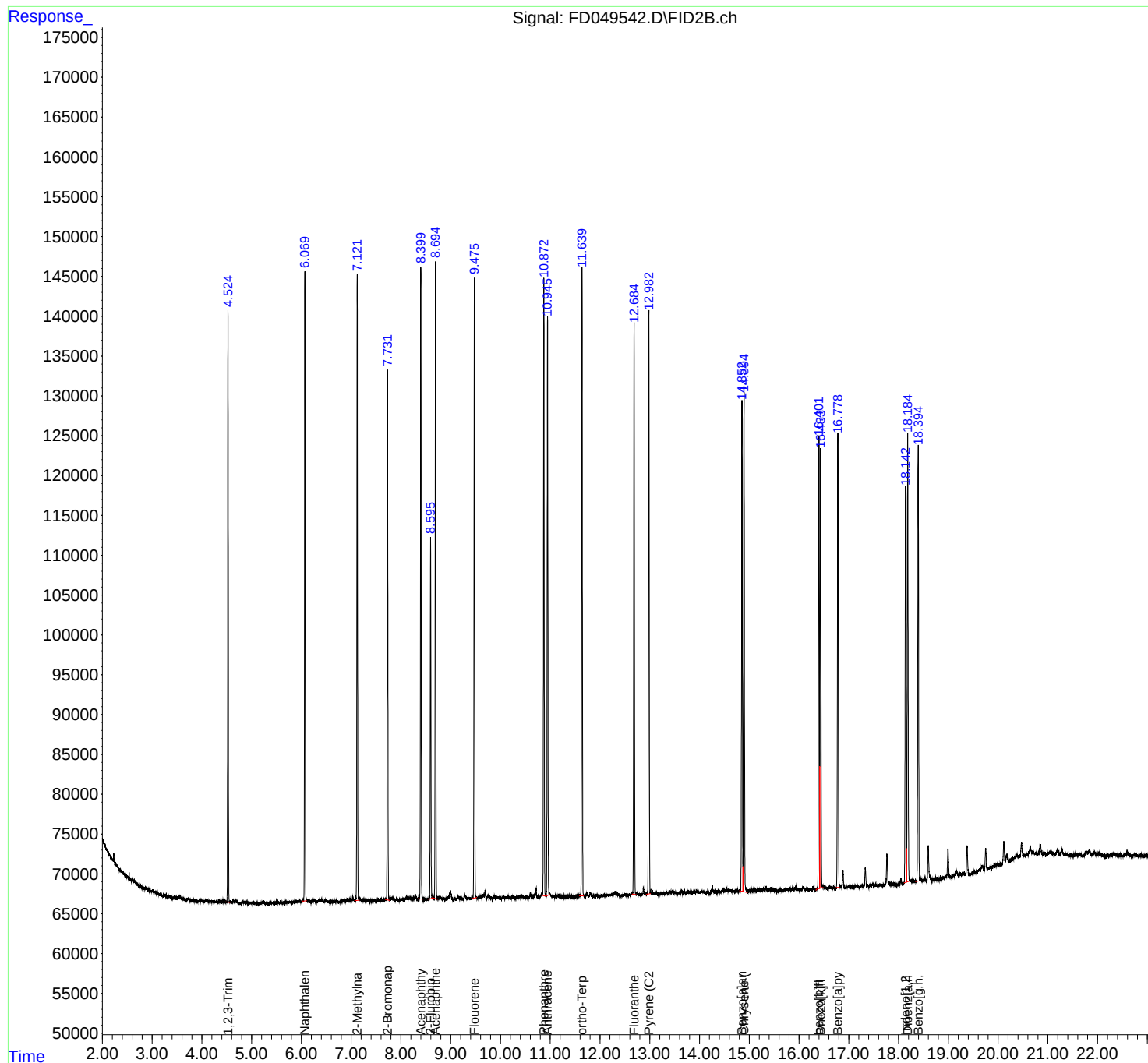
(m)=manual int.

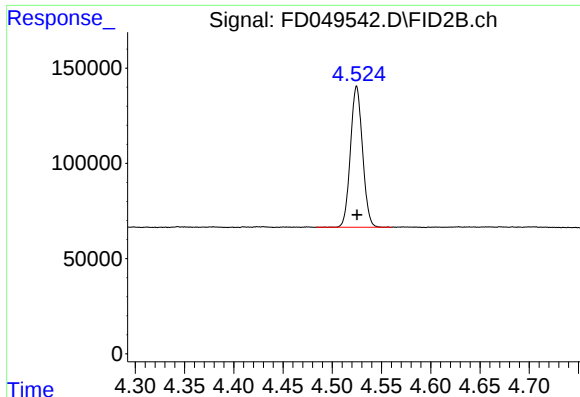
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD071525AR\
Data File : FD049542.D
Signal(s) : FID2B.ch
Acq On : 15 Jul 2025 12:05
Operator : YP/AJ
Sample : 5 PPM AROMATIC HC STD5
Misc :
ALS Vial : 65 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5

Integration File: autoint1.e
Quant Time: Jul 15 12:31:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 071525.M
Quant Title : GC Extractables
QLast Update : Tue Jul 15 12:31:43 2025
Response via : Initial Calibration
Integrator: ChemStation

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

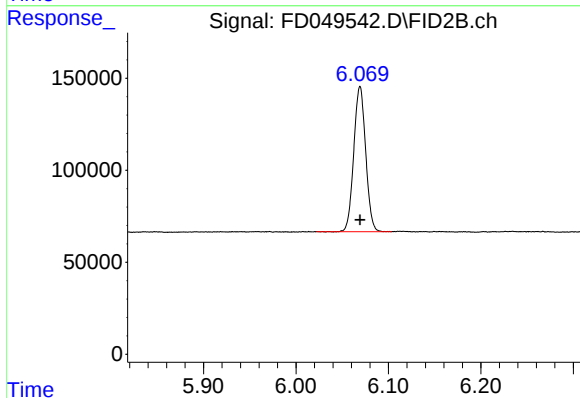




#1 1,2,3-Trimethylbenzene (C10.1)

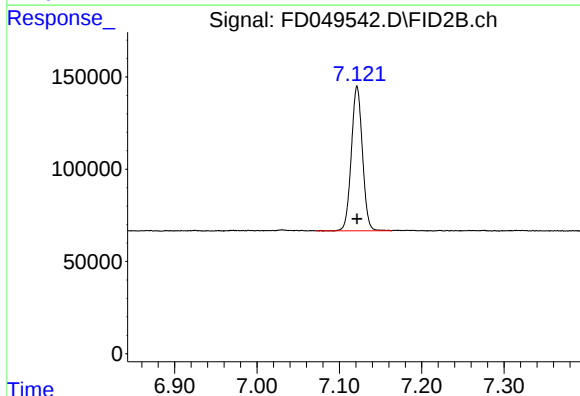
R.T.: 4.525 min
Delta R.T.: 0.000 min
Response: 631555
Conc: 4.89 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5



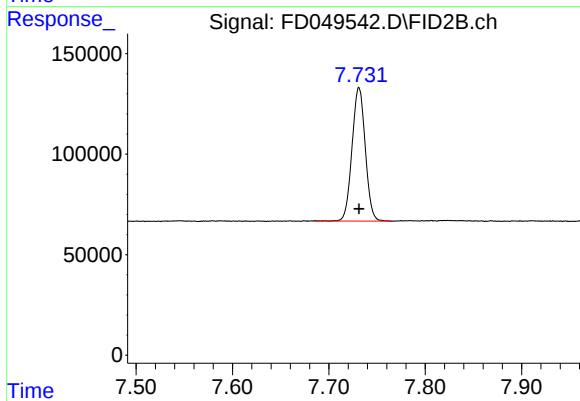
#2 Naphthalene (C11.7)

R.T.: 6.069 min
Delta R.T.: 0.000 min
Response: 707076
Conc: 4.83 ug/ml



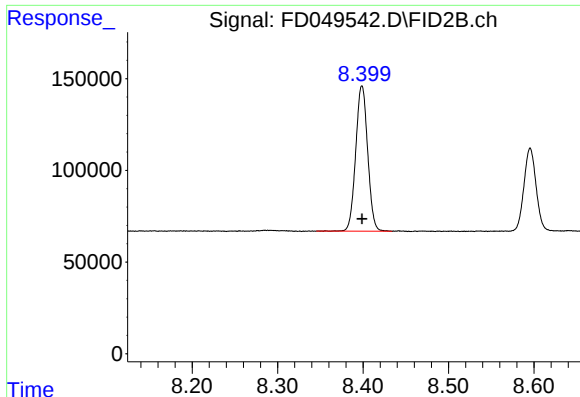
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.122 min
Delta R.T.: 0.000 min
Response: 731156
Conc: 4.81 ug/ml



#4 2-Bromonaphthalene (SURR)

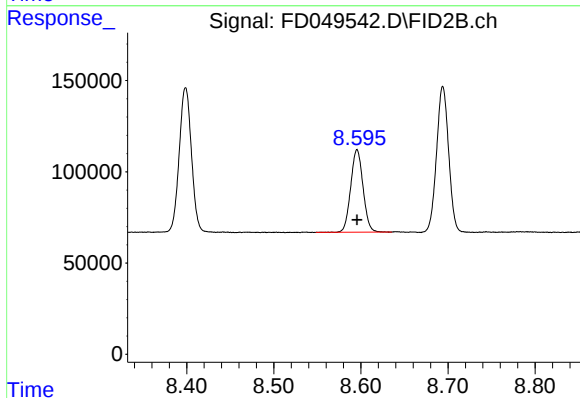
R.T.: 7.731 min
Delta R.T.: 0.000 min
Response: 630984
Conc: 4.82 ug/ml



#5 Acenaphthylene (C15.06)

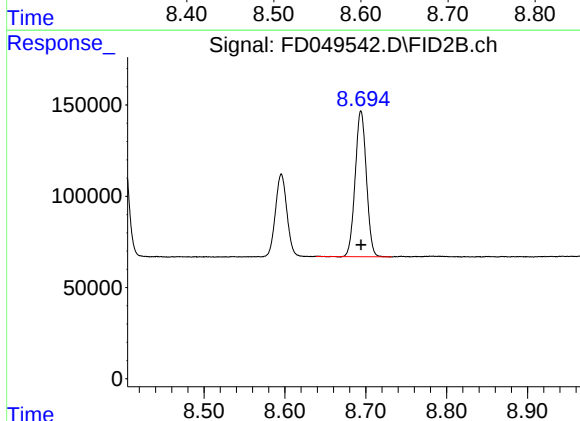
R.T.: 8.399 min
Delta R.T.: 0.000 min
Response: 770713
Conc: 4.86 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5



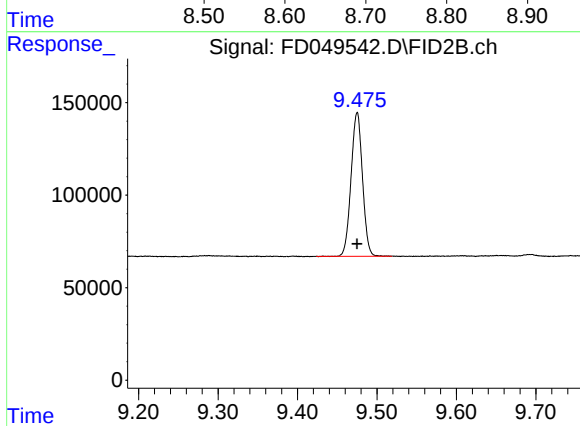
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.596 min
Delta R.T.: 0.000 min
Response: 444887
Conc: 4.80 ug/ml



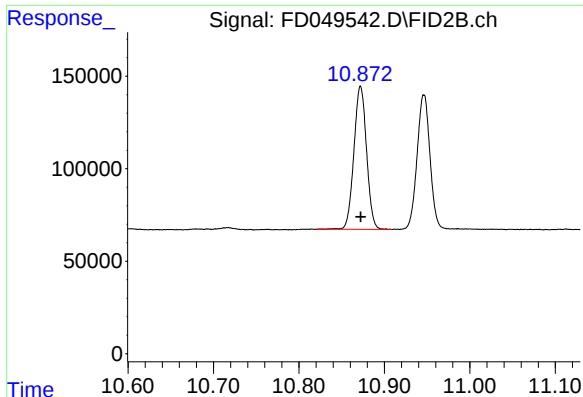
#7 Acenaphthene (C15.5)

R.T.: 8.694 min
Delta R.T.: 0.000 min
Response: 768316
Conc: 4.85 ug/ml



#8 Fluorene (C16.55)

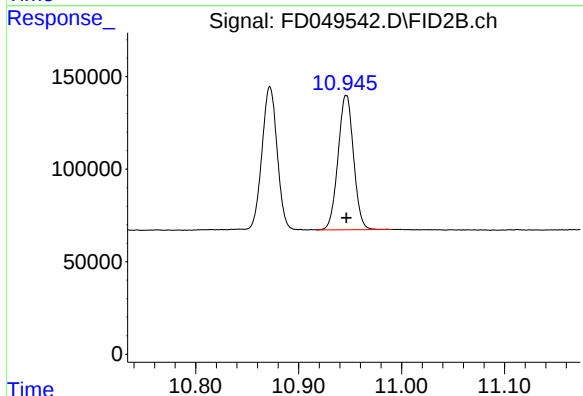
R.T.: 9.475 min
Delta R.T.: 0.000 min
Response: 775858
Conc: 4.86 ug/ml



#9 Phenanthrene (C19.36)

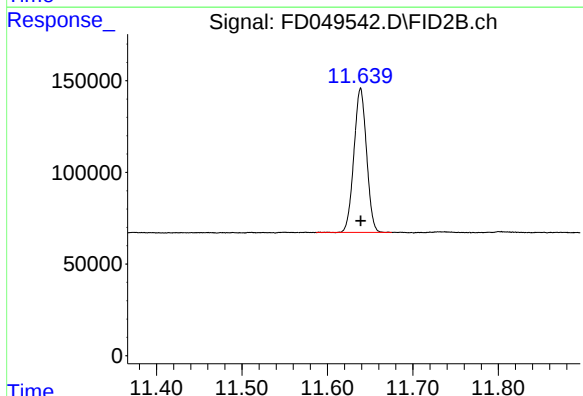
R.T.: 10.872 min
Delta R.T.: 0.000 min
Response: 793351
Conc: 4.84 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5



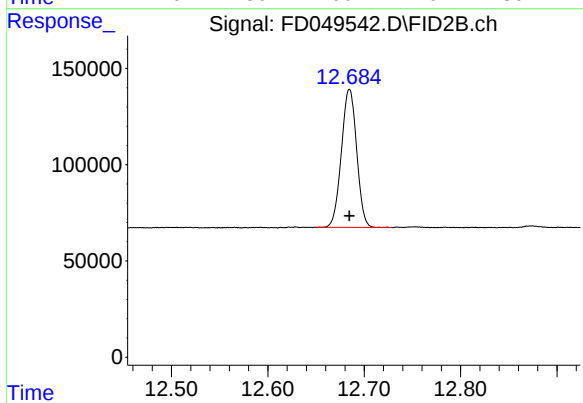
#10 Anthracene (C19.43)

R.T.: 10.946 min
Delta R.T.: 0.000 min
Response: 761259
Conc: 4.78 ug/ml



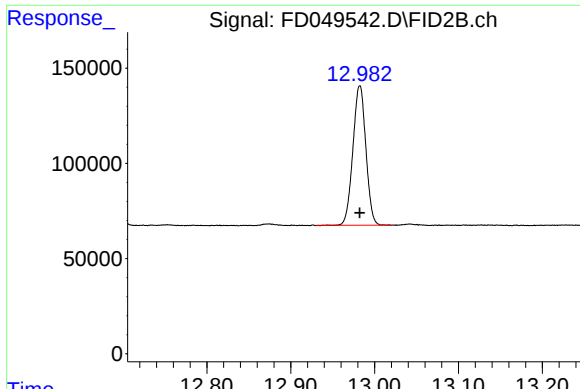
#11 ortho-Terphenyl (SURR)

R.T.: 11.639 min
Delta R.T.: 0.000 min
Response: 806734
Conc: 4.92 ug/ml



#12 Fluoranthene (C21.85)

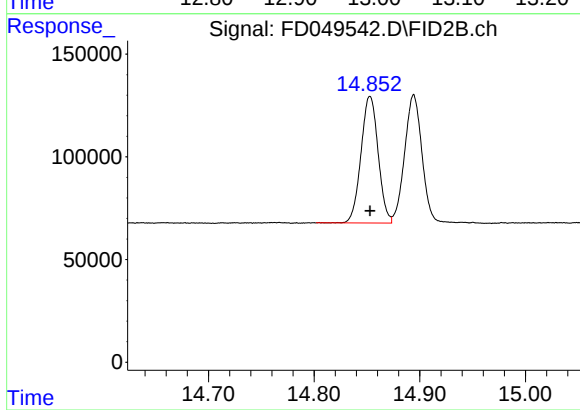
R.T.: 12.685 min
Delta R.T.: 0.000 min
Response: 786676
Conc: 4.84 ug/ml



#13 Pyrene (C20.8)

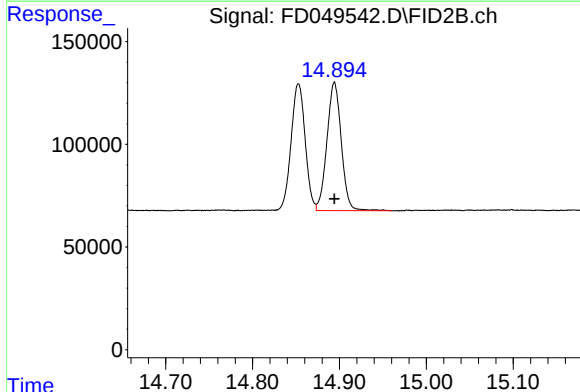
R.T.: 12.982 min
Delta R.T.: 0.000 min
Response: 787103
Conc: 4.85 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5



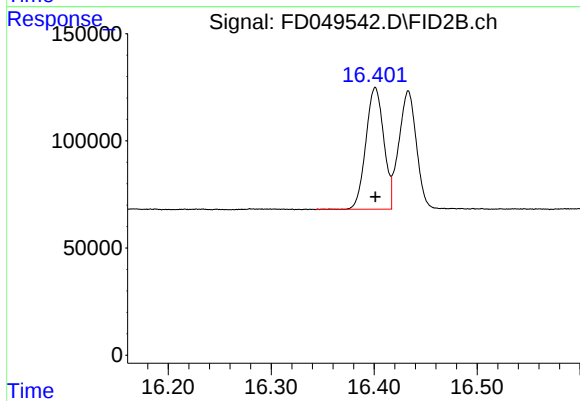
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.853 min
Delta R.T.: 0.000 min
Response: 693980
Conc: 4.74 ug/ml



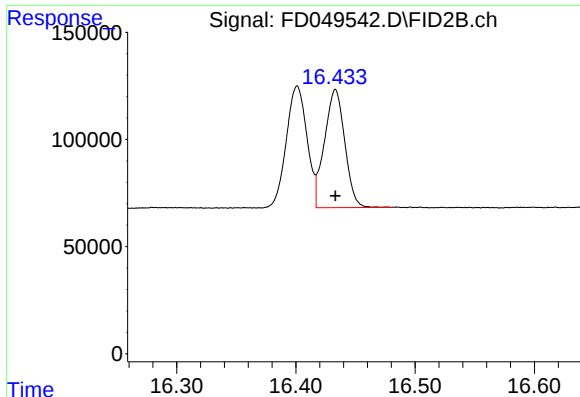
#15 Chrysene (C27.41)

R.T.: 14.894 min
Delta R.T.: 0.000 min
Response: 717861
Conc: 4.82 ug/ml



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

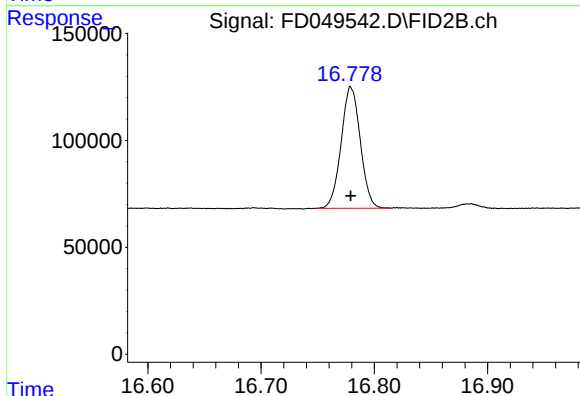
R.T.: 16.401 min
Delta R.T.: 0.000 min
Response: 683719
Conc: 4.83 ug/ml



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

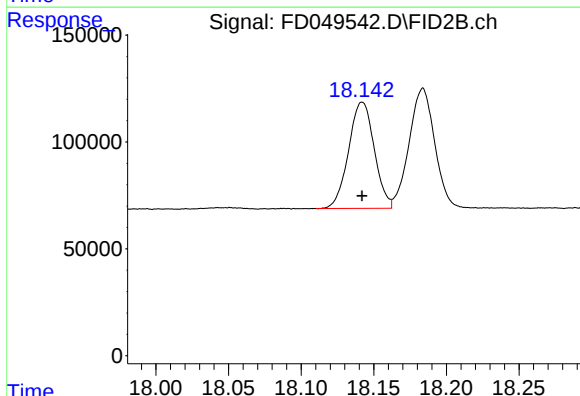
R.T.: 16.433 min
Delta R.T.: 0.000 min
Response: 653067
Conc: 4.89 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5



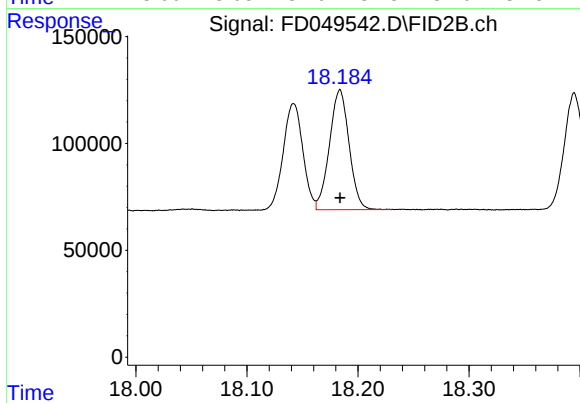
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.779 min
Delta R.T.: 0.000 min
Response: 667040
Conc: 4.84 ug/ml



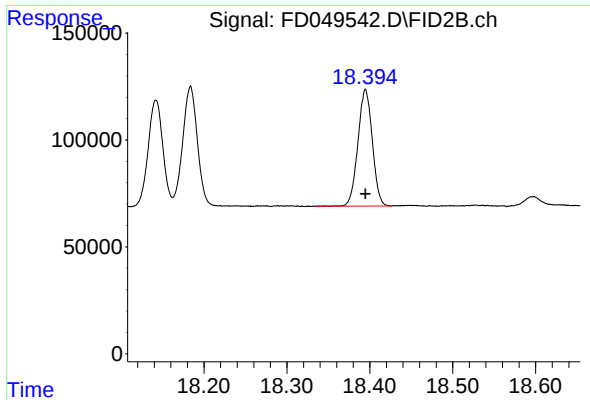
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.142 min
Delta R.T.: 0.000 min
Response: 611265
Conc: 4.88 ug/ml



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

R.T.: 18.184 min
Delta R.T.: 0.000 min
Response: 688571
Conc: 5.23 ug/ml



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

R.T.: 18.395 min
Delta R.T.: 0.000 min
Response: 657514
Conc: 4.97 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD071525AR\
Data File : FD049542.D
Signal(s) : FID2B.ch
Acq On : 15 Jul 2025 12:05
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 071525.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	4.525	4.484	4.560	BB	74173	631555	78.29%	4.276%
2	6.069	6.022	6.104	BB	78807	707076	87.65%	4.788%
3	7.122	7.072	7.164	BB	78294	731156	90.63%	4.951%
4	7.731	7.687	7.765	BB	66297	630984	78.21%	4.272%
5	8.399	8.345	8.434	BB	79267	770713	95.53%	5.219%
6	8.596	8.549	8.635	BB	45264	444887	55.15%	3.012%
7	8.694	8.639	8.732	BB	79948	768316	95.24%	5.202%
8	9.475	9.424	9.519	BB	77803	775858	96.17%	5.253%
9	10.872	10.820	10.909	BB	77450	793351	98.34%	5.372%
10	10.946	10.917	10.990	BB	72702	761259	94.36%	5.155%
11	11.639	11.587	11.675	BB	78537	806734	100.00%	5.462%
12	12.685	12.650	12.729	BB	71798	786676	97.51%	5.327%
13	12.982	12.930	13.020	BB	73342	787103	97.57%	5.330%
14	14.853	14.802	14.873	BV	61720	693980	86.02%	4.699%
15	14.894	14.873	14.960	VB	62400	717861	88.98%	4.861%
16	16.401	16.344	16.417	BV	56907	683719	84.75%	4.630%
17	16.433	16.417	16.480	VB	55182	653067	80.95%	4.422%
18	16.779	16.749	16.815	BB	56915	667040	82.68%	4.517%
19	18.142	18.110	18.162	BV	49734	611265	75.77%	4.139%
20	18.184	18.162	18.230	VB	56164	688571	85.35%	4.662%
21	18.395	18.335	18.426	BB	54619	657514	81.50%	4.452%
Sum of corrected areas:						14768685		

Aromatic EPH 071525.M Tue Jul 15 12:42:32 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD071525AR\
 Data File : FD049543.D
 Signal(s) : FID2B.ch
 Acq On : 15 Jul 2025 12:52
 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: Jul 15 13:17:51 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 071525.M
 Quant Title : GC Extractables
 QLast Update : Tue Jul 15 12:32:40 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...	7.733	2782715	21.269 ug/ml
Spiked Amount 50.000		Recovery =	42.54%
6) S 2-Fluorobiphenyl (SURR)	8.598	1966976	21.227 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	42.45%
11) S ortho-Terphenyl (SURR)	11.642	3466684	21.143 ug/ml
Spiked Amount 50.000		Recovery =	42.29%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.527	2738664	21.199 ug/ml
2) T Naphthalene (C11.7)	6.071	3118656	21.308 ug/ml
3) T 2-Methylnaphthalene (...)	7.123	3230552	21.273 ug/ml
5) T Acenaphthylene (C15.06)	8.402	3372659	21.247 ug/ml
7) T Acenaphthene (C15.5)	8.698	3363808	21.246 ug/ml
8) T Flouorene (C16.55)	9.478	3388760	21.214 ug/ml
9) T Phenanthrene (C19.36)	10.876	3471797	21.195 ug/ml
10) T Anthracene (C19.43)	10.951	3361485	21.103 ug/ml
12) T Fluoranthene (C21.85)	12.690	3446070	21.201 ug/ml
13) T Pyrene (C20.8)	12.988	3439374	21.193 ug/ml
14) T Benzo[a]anthracene (C...	14.858	3117998	21.290 ug/ml
15) T Chrysene (C27.41)	14.900	3158262	21.221 ug/ml
16) T benzo[b]fluoranthene ...	16.408	3016295	21.288 ug/ml
17) T Bnezo[k]fluoranthene ...	16.441	2837900	21.228 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.787	2923398	21.233 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.150	2637416	21.058 ug/ml
20) T Dibenz[a,h]anthracene...	18.191	2788714	21.168 ug/ml
21) T Benzo[g,h,i]perylene ...	18.406	2814550	21.267 ug/ml

(f)=RT Delta > 1/2 Window

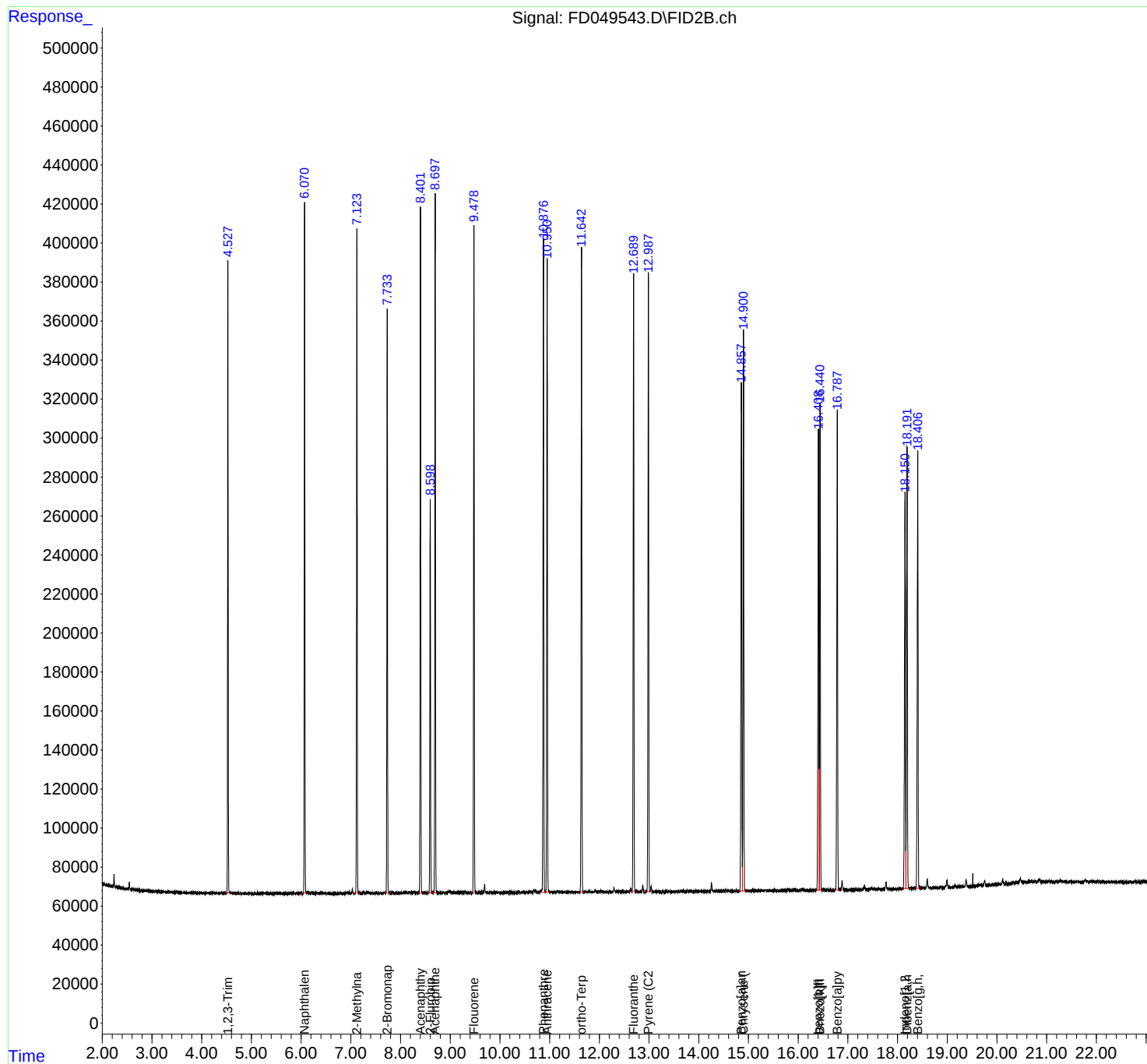
(m)=manual int.

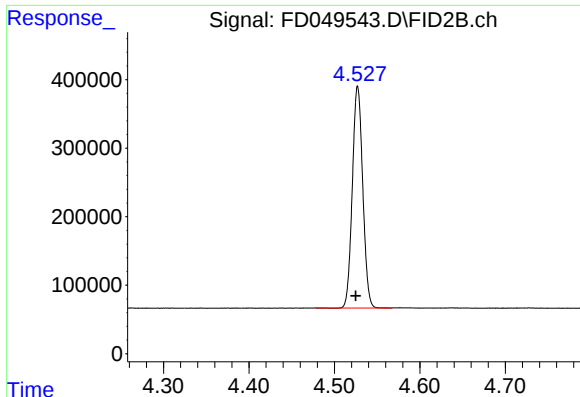
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD071525AR\
Data File : FD049543.D
Signal(s) : FID2B.ch
Acq On : 15 Jul 2025 12:52
Operator : YP/AJ
Sample : 20 PPM AROMATIC HC STD ICV
Misc :
ALS Vial : 66 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD ICV

Integration File: autoint1.e
Quant Time: Jul 15 13:17:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 071525.M
Quant Title : GC Extractables
QLast Update : Tue Jul 15 12:32:40 2025
Response via : Initial Calibration
Integrator: ChemStation

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

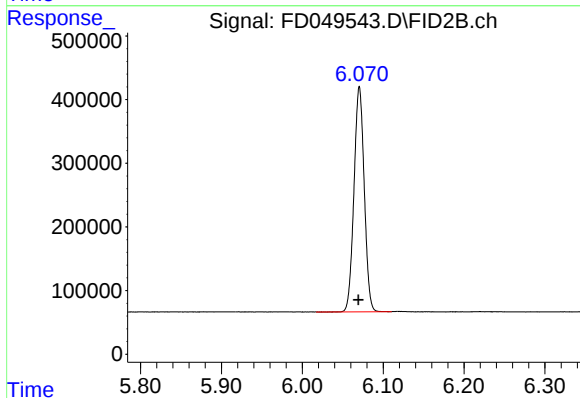




#1 1,2,3-Trimethylbenzene (C10.1)

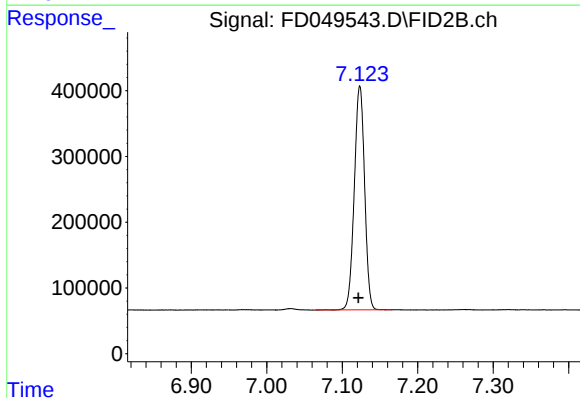
R.T.: 4.527 min
Delta R.T.: 0.002 min
Response: 2738664
Conc: 21.20 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD ICV



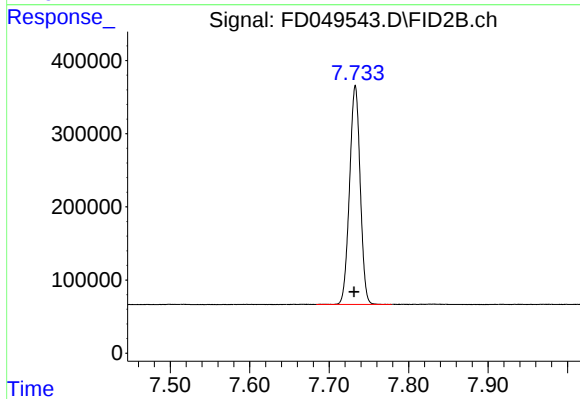
#2 Naphthalene (C11.7)

R.T.: 6.071 min
Delta R.T.: 0.001 min
Response: 3118656
Conc: 21.31 ug/ml



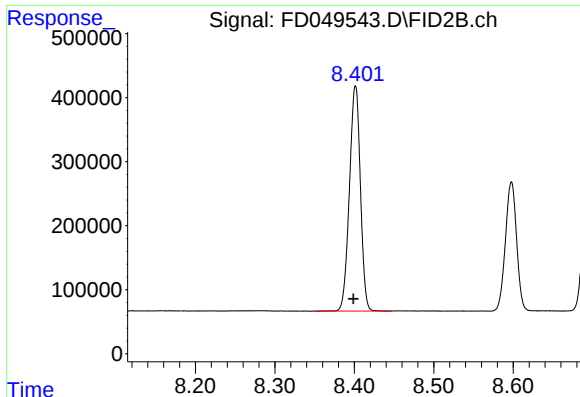
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.123 min
Delta R.T.: 0.002 min
Response: 3230552
Conc: 21.27 ug/ml



#4 2-Bromonaphthalene (SURR)

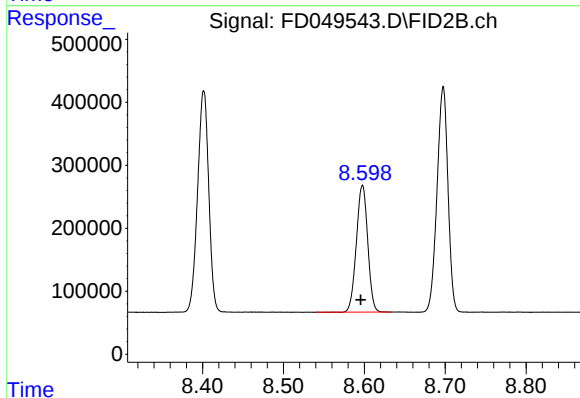
R.T.: 7.733 min
Delta R.T.: 0.002 min
Response: 2782715
Conc: 21.27 ug/ml



#5 Acenaphthylene (C15.06)

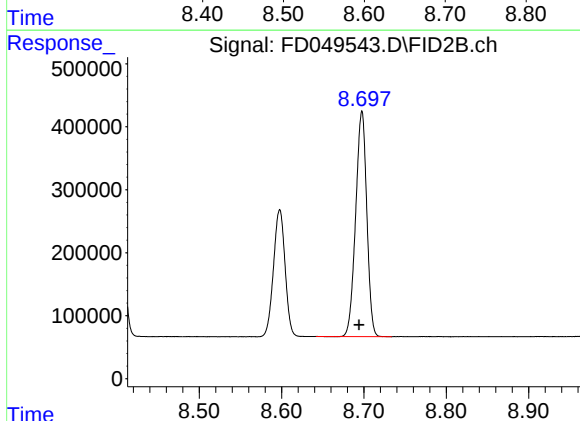
R.T.: 8.402 min
Delta R.T.: 0.003 min
Response: 3372659
Conc: 21.25 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD ICV



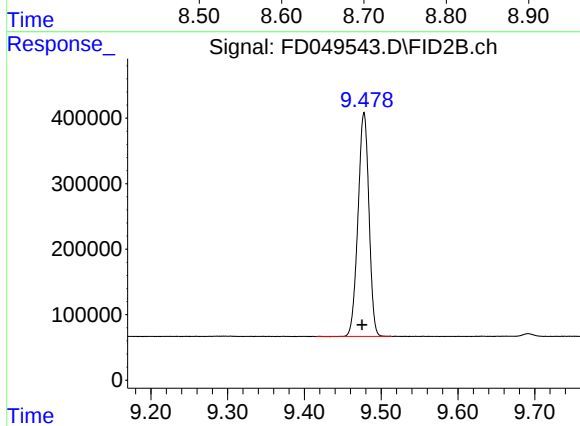
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.598 min
Delta R.T.: 0.002 min
Response: 1966976
Conc: 21.23 ug/ml



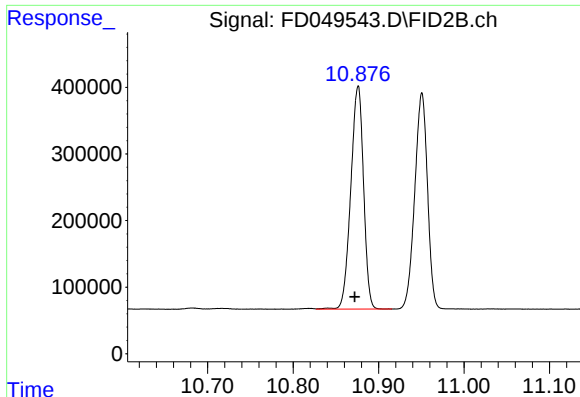
#7 Acenaphthene (C15.5)

R.T.: 8.698 min
Delta R.T.: 0.003 min
Response: 3363808
Conc: 21.25 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.478 min
Delta R.T.: 0.003 min
Response: 3388760
Conc: 21.21 ug/ml



#9 Phenanthrene (C19.36)

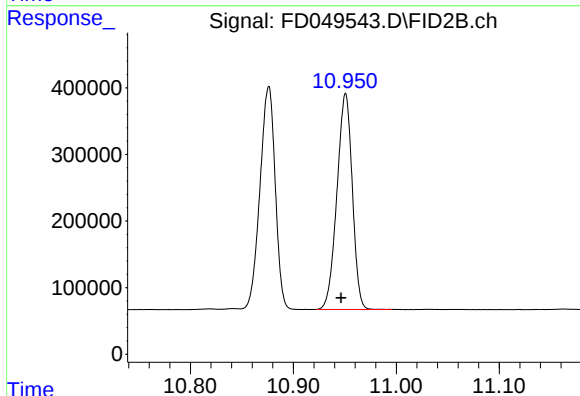
R.T.: 10.876 min
Delta R.T.: 0.004 min
Response: 3471797
Conc: 21.19 ug/ml

Instrument :

FID_D

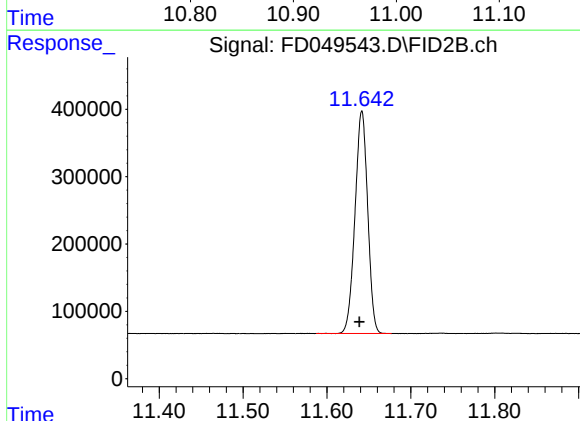
ClientSampleId :

20 PPM AROMATIC HC STD ICV



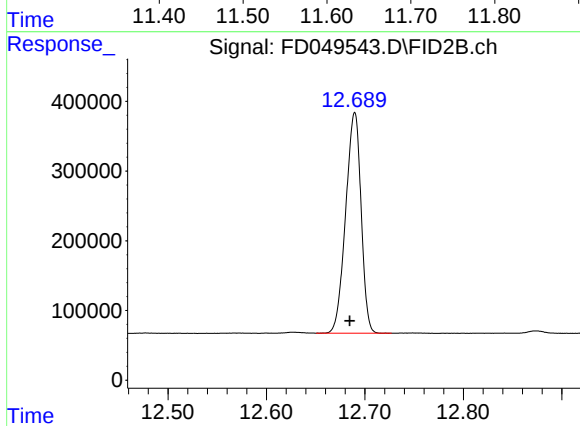
#10 Anthracene (C19.43)

R.T.: 10.951 min
Delta R.T.: 0.004 min
Response: 3361485
Conc: 21.10 ug/ml



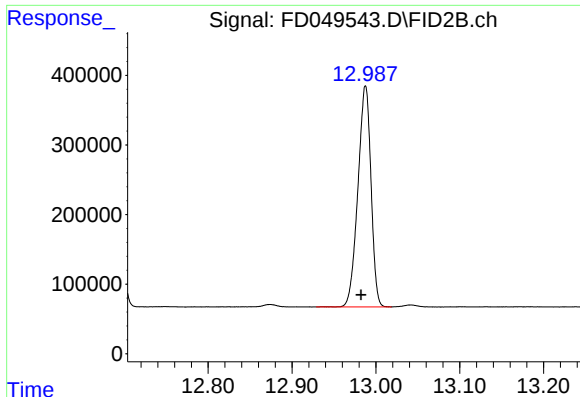
#11 ortho-Terphenyl (SURR)

R.T.: 11.642 min
Delta R.T.: 0.003 min
Response: 3466684
Conc: 21.14 ug/ml



#12 Fluoranthene (C21.85)

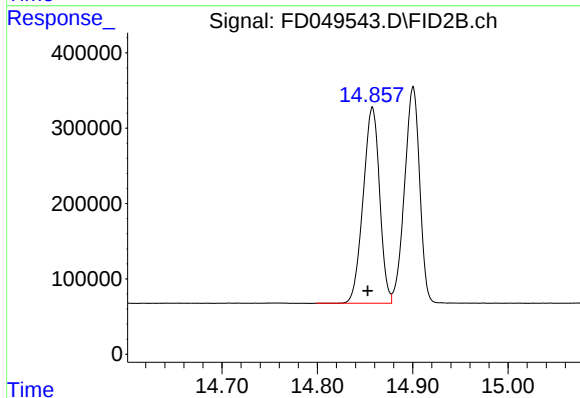
R.T.: 12.690 min
Delta R.T.: 0.005 min
Response: 3446070
Conc: 21.20 ug/ml



#13 Pyrene (C20.8)

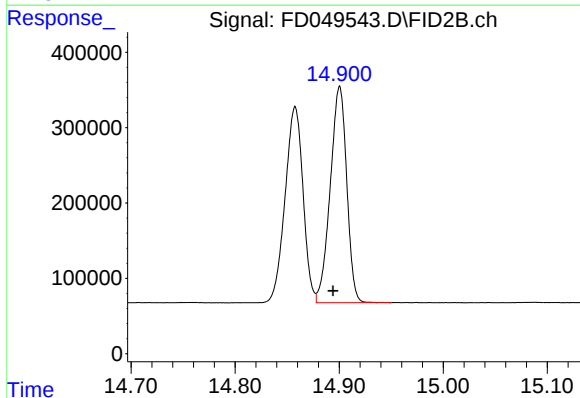
R.T.: 12.988 min
Delta R.T.: 0.005 min
Response: 3439374
Conc: 21.19 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD ICV



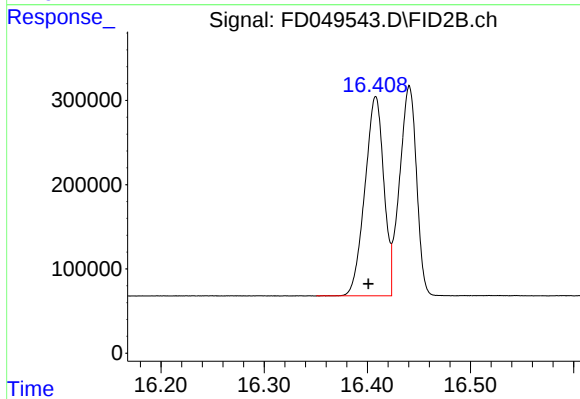
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.858 min
Delta R.T.: 0.005 min
Response: 3117998
Conc: 21.29 ug/ml



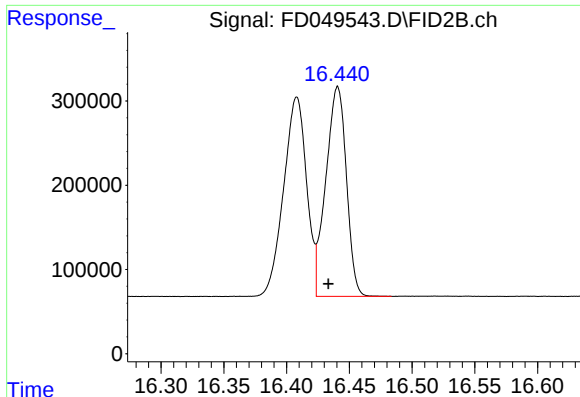
#15 Chrysene (C27.41)

R.T.: 14.900 min
Delta R.T.: 0.006 min
Response: 3158262
Conc: 21.22 ug/ml



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

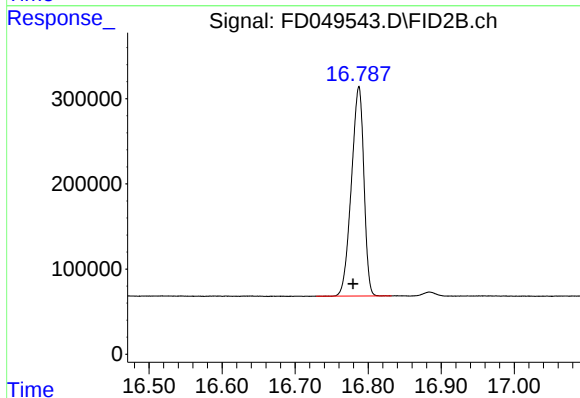
R.T.: 16.408 min
Delta R.T.: 0.007 min
Response: 3016295
Conc: 21.29 ug/ml



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

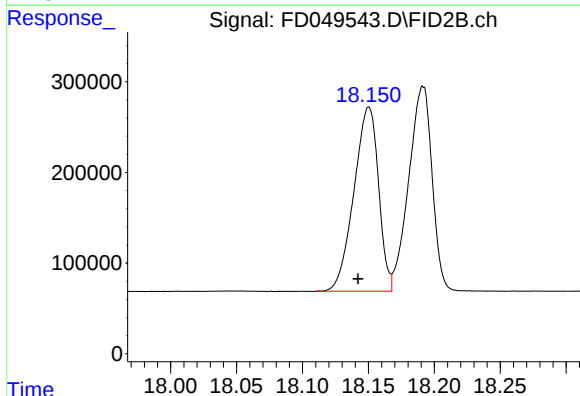
R.T.: 16.441 min
Delta R.T.: 0.008 min
Response: 2837900
Conc: 21.23 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD ICV



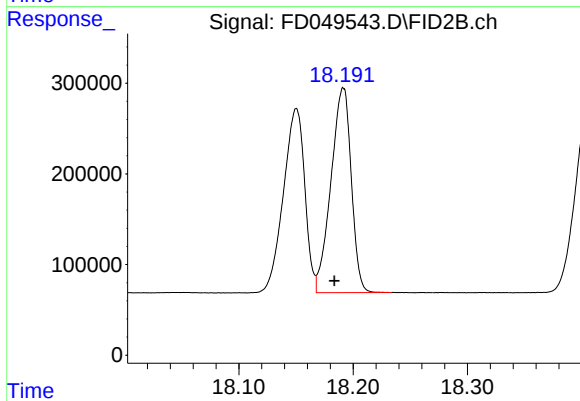
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.787 min
Delta R.T.: 0.008 min
Response: 2923398
Conc: 21.23 ug/ml



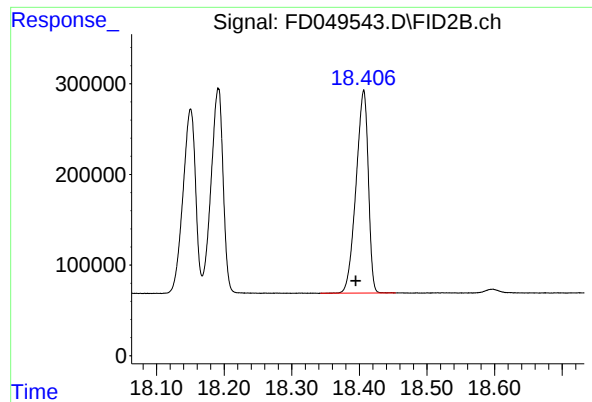
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.150 min
Delta R.T.: 0.008 min
Response: 2637416
Conc: 21.06 ug/ml



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

R.T.: 18.191 min
Delta R.T.: 0.008 min
Response: 2788714
Conc: 21.17 ug/ml



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

R.T.: 18.406 min
Delta R.T.: 0.012 min
Response: 2814550
Conc: 21.27 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD ICV