

Initial Calibration Report for SequenceID : FD090425AR

AreaCount

Parameter Range	FD049718.D	FD049719.D	FD049720.D	FD049721.D	FD049722.D	
Aromatic C10-C12	22703296.000	11086087.000	4643611.000	2277248.000	1259509.000	
Aromatic C12-C16	39984460.000	19661953.000	8193867.000	4001323.000	2175378.000	
Aromatic C16-C21	53345381.000	26489360.000	11024855.000	5315893.000	2846688.000	
Aromatic C21-C36	100704025.000	50911530.000	21618248.000	10600307.000	5791358.000	
Aromatic EPH	216737162.000	108148930.000	45480581.000	22194771.000	12072933.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aromatic C10-C12	116056.185	5.027				
Aromatic C12-C16	135865.6606664	4.034				
Aromatic C16-C21	135770.533	3.132				
Aromatic C21-C36	118321.9011106	5.659				
Aromatic EPH	124871.5885552	4.611				

Concentration

Parameter Range	FD049718.D	FD049719.D	FD049720.D	FD049721.D	FD049722.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	FD049718.D	FD049719.D	FD049720.D	FD049721.D	FD049722.D	
Aromatic C10-C12	113516.480000	110860.870000	116090.275000	113862.400000	125950.900000	
Aromatic C12-C16	133281.533333	131079.686666	136564.450000	133377.433333	145025.200000	
Aromatic C16-C21	133363.452500	132446.800000	137810.687500	132897.325000	142334.400000	
Aromatic C21-C36	111893.361111	113136.733333	120101.377777	117781.188888	128696.844444	
Aromatic EPH	120409.534444	120165.477777	126334.947222	123304.283333	134143.700000	

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD090425AR\
 Data File : FD049718.D
 Signal(s) : FID2B.ch
 Acq On : 04 Sep 2025 09:36
 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

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/05/2025
 Supervised By :mohammad ahmed 09/08/2025

Integration File: autoint1.e
 Quant Time: Sep 05 06:20:15 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 090425.M
 Quant Title : GC Extractables
 QLast Update : Fri Sep 05 06:18:55 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...	7.703	11112746	98.565 ug/ml
Spiked Amount 50.000		Recovery =	197.13%
6) S 2-Fluorobiphenyl (SURR)	8.569	7949975	98.006 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	196.01%#
11) S ortho-Terphenyl (SURR)	11.617	13622959	95.092 ug/ml
Spiked Amount 50.000		Recovery =	190.18%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.491	10441049	97.009 ug/ml
2) T Naphthalene (C11.7)	6.037	12262247	98.452 ug/ml
3) T 2-Methylnaphthalene (...)	7.093	12922112	98.860 ug/ml
5) T Acenaphthylene (C15.06)	8.373	13531887	97.031 ug/ml
7) T Acenaphthene (C15.5)	8.672	13530461	96.977 ug/ml
8) T Flouorene (C16.55)	9.453	13563710	96.723 ug/ml
9) T Phenanthrene (C19.36)	10.853	13732189	96.729 ug/ml
10) T Anthracene (C19.43)	10.930	12946823	96.523 ug/ml
12) T Fluoranthene (C21.85)	12.668	13257933	97.088 ug/ml
13) T Pyrene (C20.8)	12.967	13102659	97.119 ug/ml
14) T Benzo[a]anthracene (C...	14.839	11657187	96.783 ug/ml
15) T Chrysene (C27.41)	14.887	11738473	96.196 ug/ml
16) T benzo[b]fluoranthene ...	16.393	11363538	94.070 ug/ml
17) T Bnezo[k]fluoranthene ...	16.433	10483846	91.683 ug/mlm
18) T Benzo[a]pyrene (C31.34)	16.775	10977142	92.154 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.141	10414194	93.978 ug/ml
20) T Dibenz[a,h]anthracene...	18.181	10061727	85.544 ug/ml
21) T Benzo[g,h,i]perylene ...	18.403	10749985	90.198 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD090425AR\
Data File : FD049718.D
Signal(s) : FID2B.ch
Acq On : 04 Sep 2025 09:36
Operator : YP/AJ
Sample : 100 PPM AROMATIC HC STD1
Misc :
ALS Vial : 61 Sample Multiplier: 1

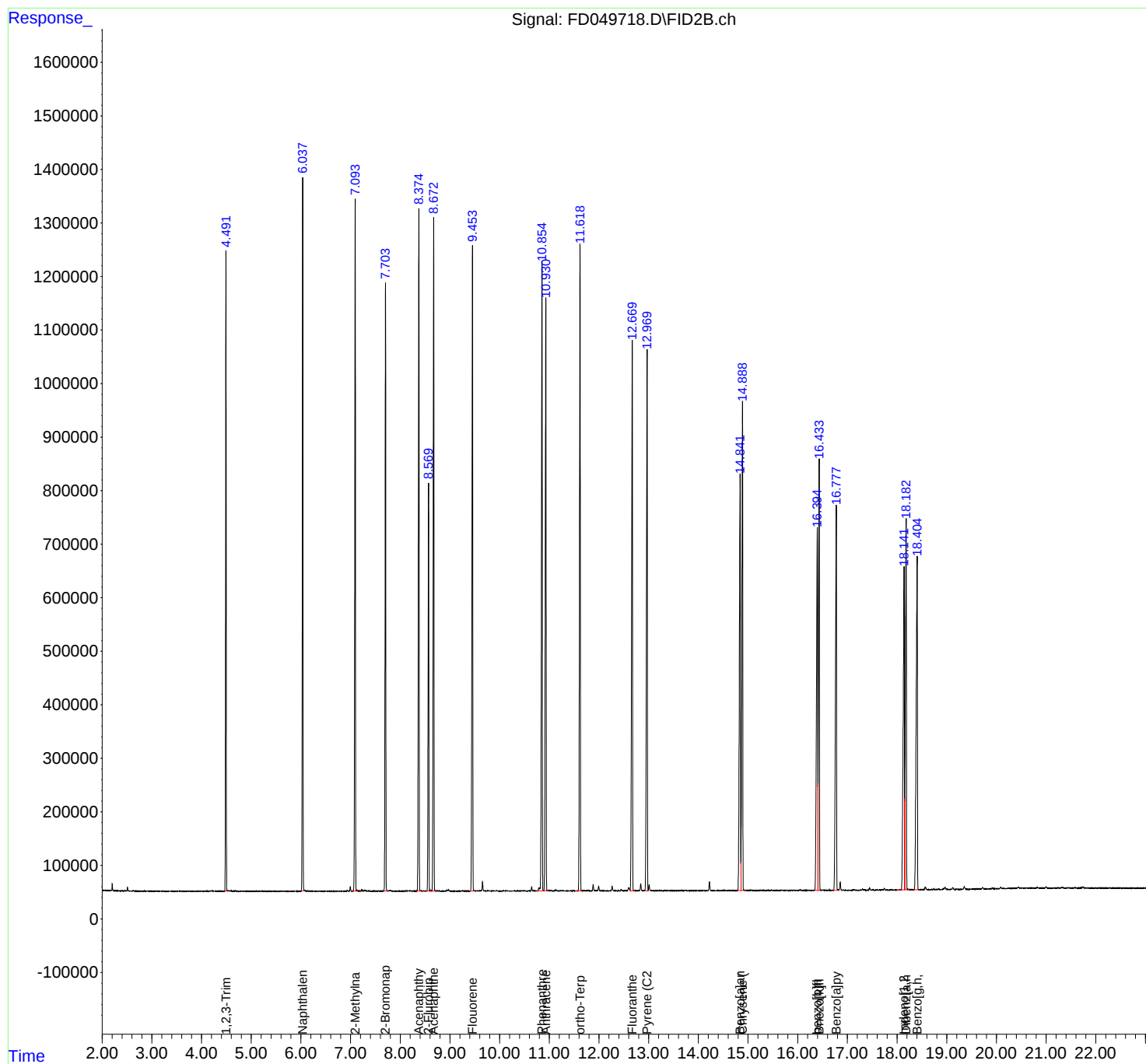
Instrument :
FID_D
ClientSampleId :
100 PPM AROMATIC HC STD1

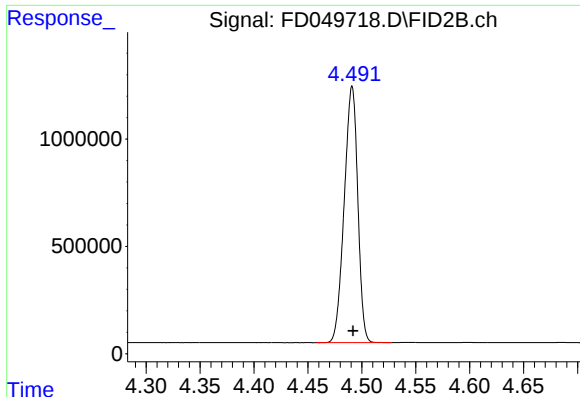
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/05/2025
Supervised By :mohammad ahmed 09/08/2025

Integration File: autoint1.e
Quant Time: Sep 05 06:20:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 090425.M
Quant Title : GC Extractables
QLast Update : Fri Sep 05 06:18:55 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.: 4.491 min
Delta R.T.: -0.001 min
Response: 10441049
Conc: 97.01 ug/ml

Instrument :

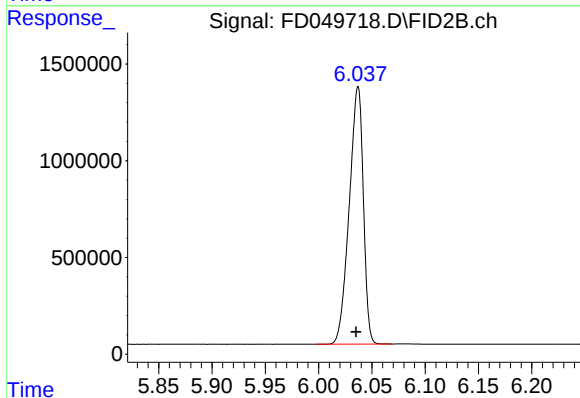
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ClientSampleId :

100 PPM AROMATIC HC STD1

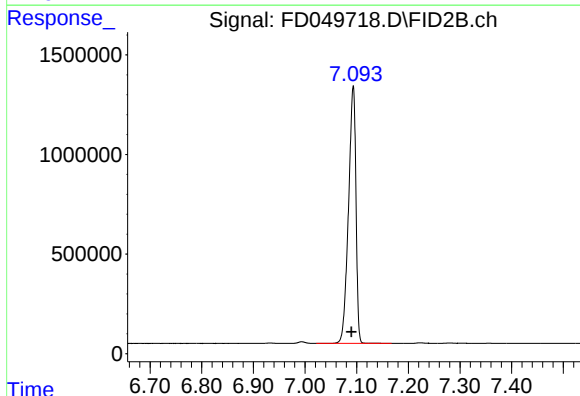
Manual Integrations
APPROVED

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Supervised By :mohammad ahmed 09/08/2025



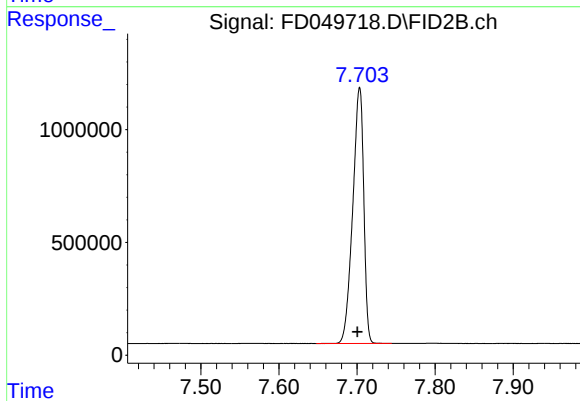
#2 Naphthalene (C11.7)

R.T.: 6.037 min
Delta R.T.: 0.001 min
Response: 12262247
Conc: 98.45 ug/ml



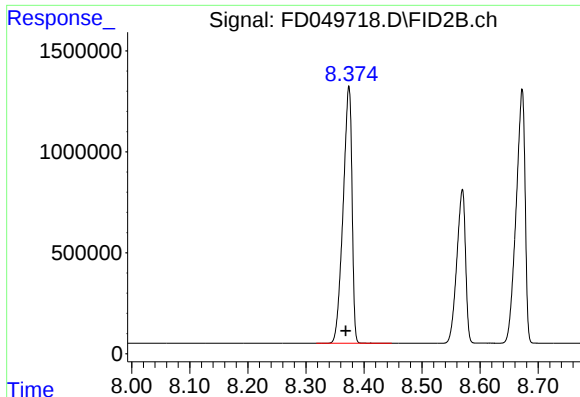
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.093 min
Delta R.T.: 0.003 min
Response: 12922112
Conc: 98.86 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.703 min
Delta R.T.: 0.002 min
Response: 11112746
Conc: 98.56 ug/ml



#5 Acenaphthylene (C15.06)

R.T.: 8.373 min
Delta R.T.: 0.005 min
Response: 13531887
Conc: 97.03 ug/ml

Instrument :

FID_D

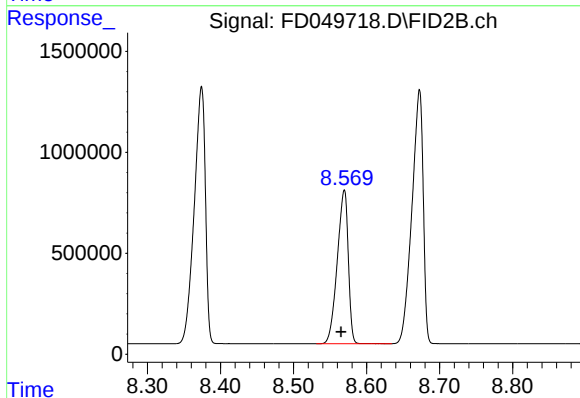
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100 PPM AROMATIC HC STD1

Manual Integrations

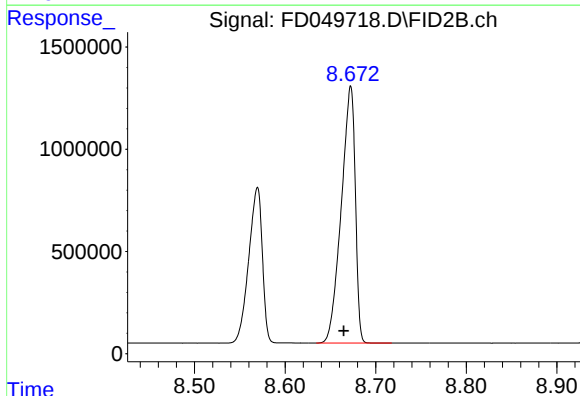
APPROVED

Reviewed By :Yogesh Patel 09/05/2025
Supervised By :mohammad ahmed 09/08/2025



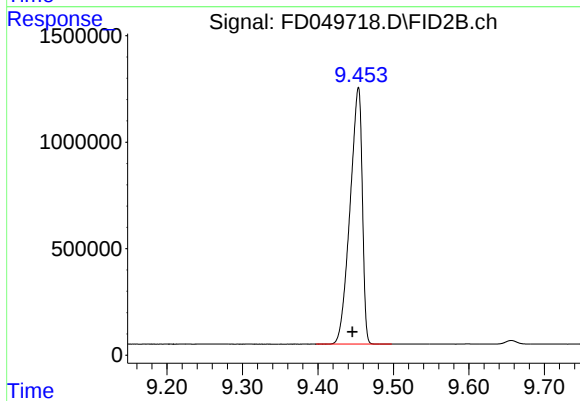
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.569 min
Delta R.T.: 0.004 min
Response: 7949975
Conc: 98.01 ug/ml



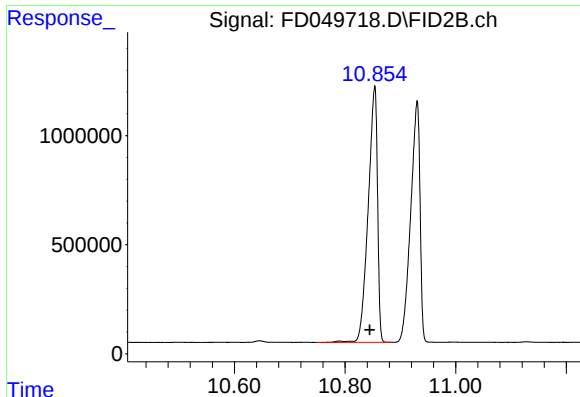
#7 Acenaphthene (C15.5)

R.T.: 8.672 min
Delta R.T.: 0.007 min
Response: 13530461
Conc: 96.98 ug/ml



#8 Fluorene (C16.55)

R.T.: 9.453 min
Delta R.T.: 0.007 min
Response: 13563710
Conc: 96.72 ug/ml



#9 Phenanthrene (C19.36)

R.T.: 10.853 min
Delta R.T.: 0.008 min
Response: 13732189
Conc: 96.73 ug/ml

Instrument :

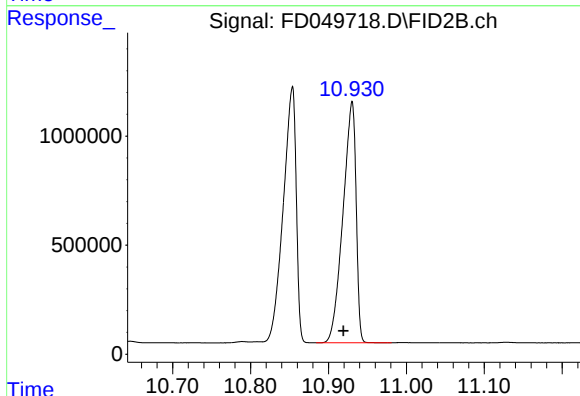
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ClientSampleId :

100 PPM AROMATIC HC STD1

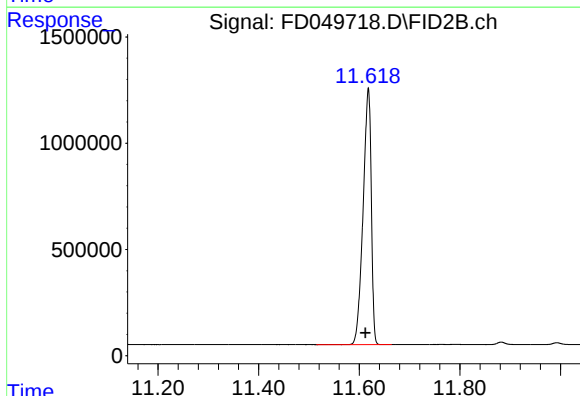
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/05/2025
Supervised By :mohammad ahmed 09/08/2025



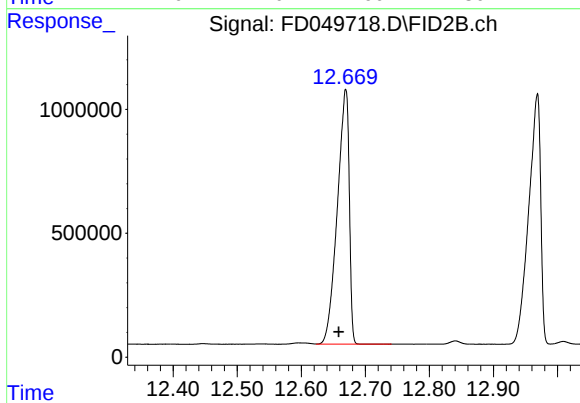
#10 Anthracene (C19.43)

R.T.: 10.930 min
Delta R.T.: 0.010 min
Response: 12946823
Conc: 96.52 ug/ml



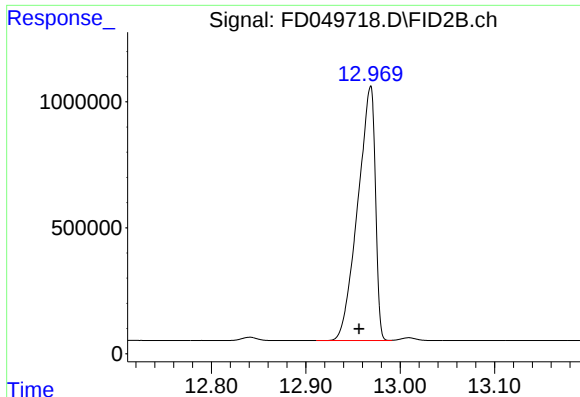
#11 ortho-Terphenyl (SURR)

R.T.: 11.617 min
Delta R.T.: 0.005 min
Response: 13622959
Conc: 95.09 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.668 min
Delta R.T.: 0.010 min
Response: 13257933
Conc: 97.09 ug/ml



#13 Pyrene (C20.8)

R.T.: 12.967 min
Delta R.T.: 0.011 min
Response: 13102659
Conc: 97.12 ug/ml

Instrument :

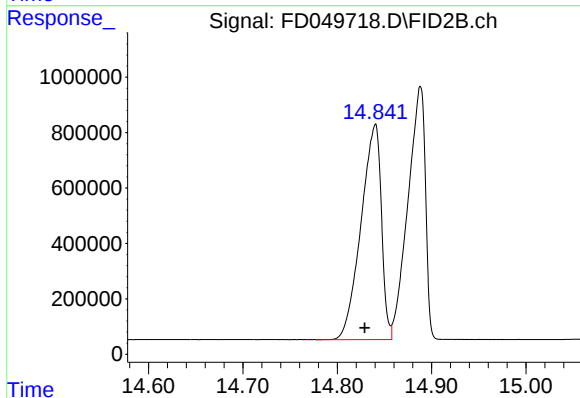
FID_D

ClientSampleId :

100 PPM AROMATIC HC STD1

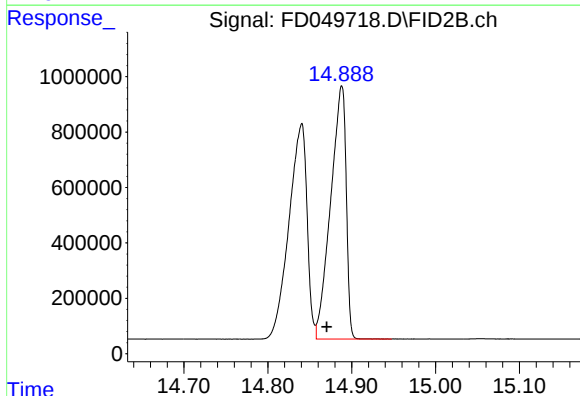
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/05/2025
Supervised By :mohammad ahmed 09/08/2025



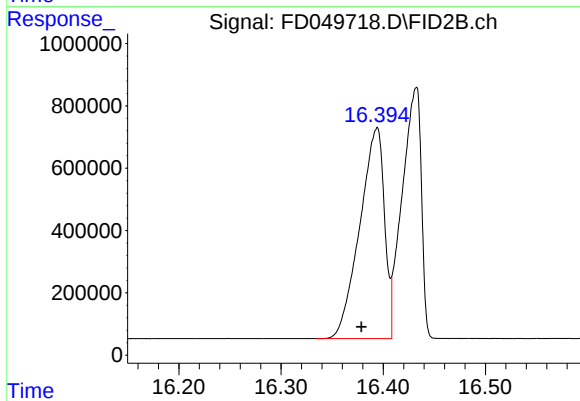
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.839 min
Delta R.T.: 0.010 min
Response: 11657187
Conc: 96.78 ug/ml



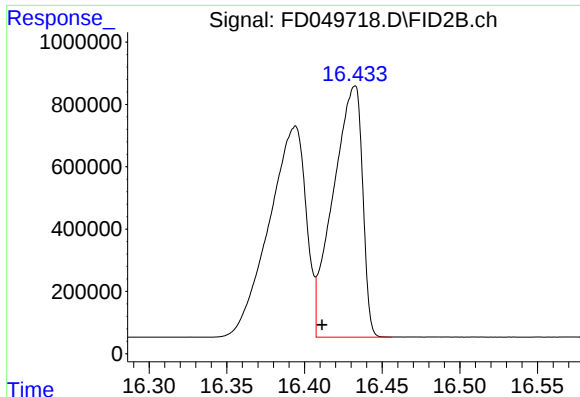
#15 Chrysene (C27.41)

R.T.: 14.887 min
Delta R.T.: 0.017 min
Response: 11738473
Conc: 96.20 ug/ml



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

R.T.: 16.393 min
Delta R.T.: 0.014 min
Response: 11363538
Conc: 94.07 ug/ml



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

R.T.: 16.433 min
Delta R.T.: 0.021 min
Response: 10483846
Conc: 91.68 ug/ml

Instrument :

FID_D

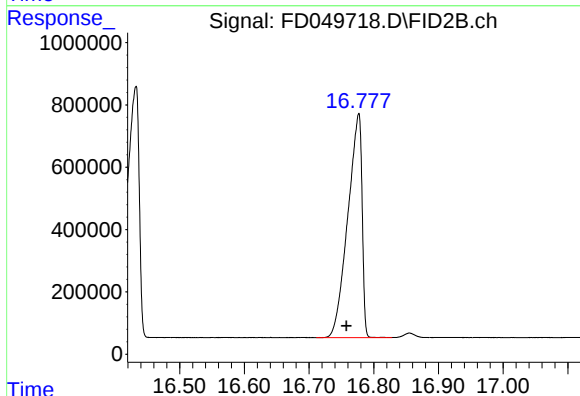
ClientSampleId :

100 PPM AROMATIC HC STD1

Manual Integrations

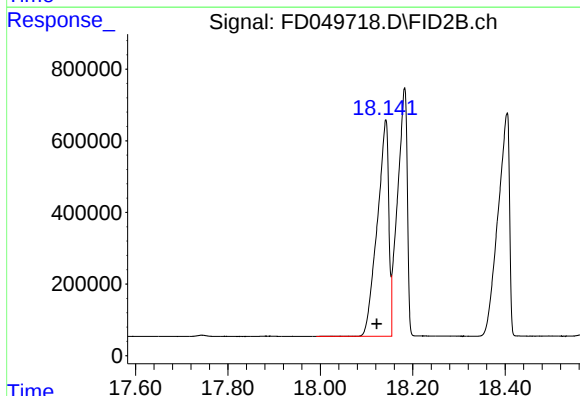
APPROVED

Reviewed By :Yogesh Patel 09/05/2025
Supervised By :mohammad ahmed 09/08/2025



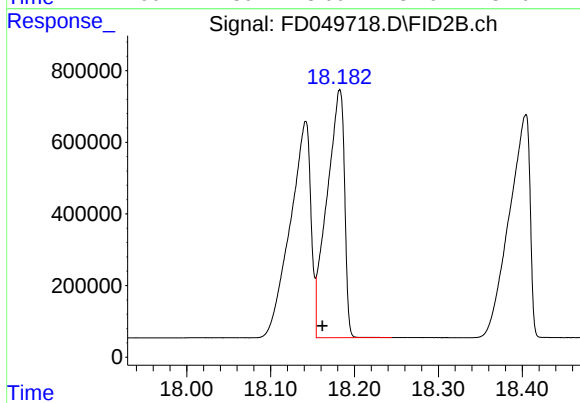
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.775 min
Delta R.T.: 0.017 min
Response: 10977142
Conc: 92.15 ug/ml



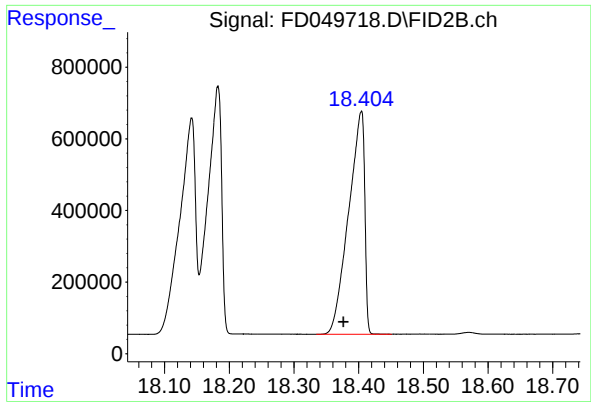
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.141 min
Delta R.T.: 0.019 min
Response: 10414194
Conc: 93.98 ug/ml



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

R.T.: 18.181 min
Delta R.T.: 0.020 min
Response: 10061727
Conc: 85.54 ug/ml



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

R.T.: 18.403 min
Delta R.T.: 0.026 min
Response: 10749985
Conc: 90.20 ug/ml

Instrument :
FID_D
ClientSampleId :
100 PPM AROMATIC HC STD1

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/05/2025
Supervised By :mohammad ahmed 09/08/2025

Instrument :
FID_D
LabSampleId :
100 PPM AROMATIC HC STD1

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 09/05/2025
Supervised By :mohammad ahmed 09/08/2025

rteres

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD
Data File : FD049718.D
Signal(s) : FID2B.ch
Acq On : 04 Sep 2025 09:36
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 090425.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	4.491	4.458	4.528	BV	1198692	10441049	76.03%	4.186%
2	6.037	5.998	6.069	BV	1355527	12262247	89.30%	4.916%
3	7.093	7.022	7.168	PB	1320087	12922112	94.10%	5.181%
4	7.703	7.648	7.744	BB	1158899	11112746	80.92%	4.456%
5	8.373	8.318	8.448	BB	1288669	13531887	98.54%	5.426%
6	8.569	8.531	8.634	BV	749339	7949975	57.89%	3.187%
7	8.672	8.634	8.718	VB	1240077	13530461	98.53%	5.425%
8	9.453	9.398	9.498	BB	1236783	13563710	98.77%	5.438%
9	10.853	10.748	10.884	BV	1210003	13732189	100.00%	5.506%
10	10.930	10.884	10.981	VV	1130848	12946823	94.28%	5.191%
11	11.617	11.514	11.664	BB	1208922	13622959	99.20%	5.462%
12	12.668	12.623	12.741	VB	1018056	13257933	96.55%	5.316%
13	12.967	12.911	12.991	BV	1008591	13102659	95.42%	5.253%
14	14.839	14.778	14.858	BV	792237	11657187	84.89%	4.674%
15	14.887	14.858	14.948	VB	920593	11738473	85.48%	4.706%
16	16.393	16.334	16.408	BV	683944	11363538	82.75%	4.556%
17	16.431	16.408	16.494	VB	801715	10473293	76.27%	4.199%
18	16.775	16.711	16.828	BV	704214	10977142	79.94%	4.401%
19	18.141	17.991	18.154	BV	604763	10414194	75.84%	4.175%
20	18.181	18.154	18.244	VB	690310	10061727	73.27%	4.034%
21	18.403	18.334	18.451	BB	635209	10749985	78.28%	4.310%
Sum of corrected areas:						249412288		

Aromatic EPH 090425.M Fri Sep 05 06:43:24 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD090425AR\
 Data File : FD049719.D
 Signal(s) : FID2B.ch
 Acq On : 04 Sep 2025 10:16
 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: Sep 05 06:20:47 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 090425.M
 Quant Title : GC Extractables
 QLast Update : Fri Sep 05 06:18:55 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...	7.699	5439535	48.246 ug/ml
Spiked Amount 50.000		Recovery =	96.49%
6) S 2-Fluorobiphenyl (SURR)	8.564	3904709	48.137 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	96.27%
11) S ortho-Terphenyl (SURR)	11.611	6776278	47.300 ug/ml
Spiked Amount 50.000		Recovery =	94.60%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.488	5097348	47.360 ug/ml
2) T Naphthalene (C11.7)	6.033	5988739	48.083 ug/ml
3) T 2-Methylnaphthalene (...)	7.088	6309415	48.270 ug/ml
5) T Acenaphthylene (C15.06)	8.368	6676398	47.873 ug/ml
7) T Acenaphthene (C15.5)	8.665	6676140	47.850 ug/ml
8) T Flouorene (C16.55)	9.446	6718389	47.909 ug/ml
9) T Phenanthrene (C19.36)	10.845	6815270	48.006 ug/ml
10) T Anthracene (C19.43)	10.920	6448326	48.075 ug/ml
12) T Fluoranthene (C21.85)	12.660	6577964	48.171 ug/ml
13) T Pyrene (C20.8)	12.958	6507375	48.234 ug/ml
14) T Benzo[a]anthracene (C...	14.831	5800499	48.158 ug/ml
15) T Chrysene (C27.41)	14.875	5856393	47.993 ug/ml
16) T benzo[b]fluoranthene ...	16.382	5727605	47.414 ug/ml
17) T Bnezo[k]fluoranthene ...	16.417	5322884	46.550 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.762	5566382	46.730 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.127	5209247	47.008 ug/ml
20) T Dibenz[a,h]anthracene...	18.167	5337048	45.375 ug/ml
21) T Benzo[g,h,i]perylene ...	18.385	5513508	46.261 ug/ml

(f)=RT Delta > 1/2 Window

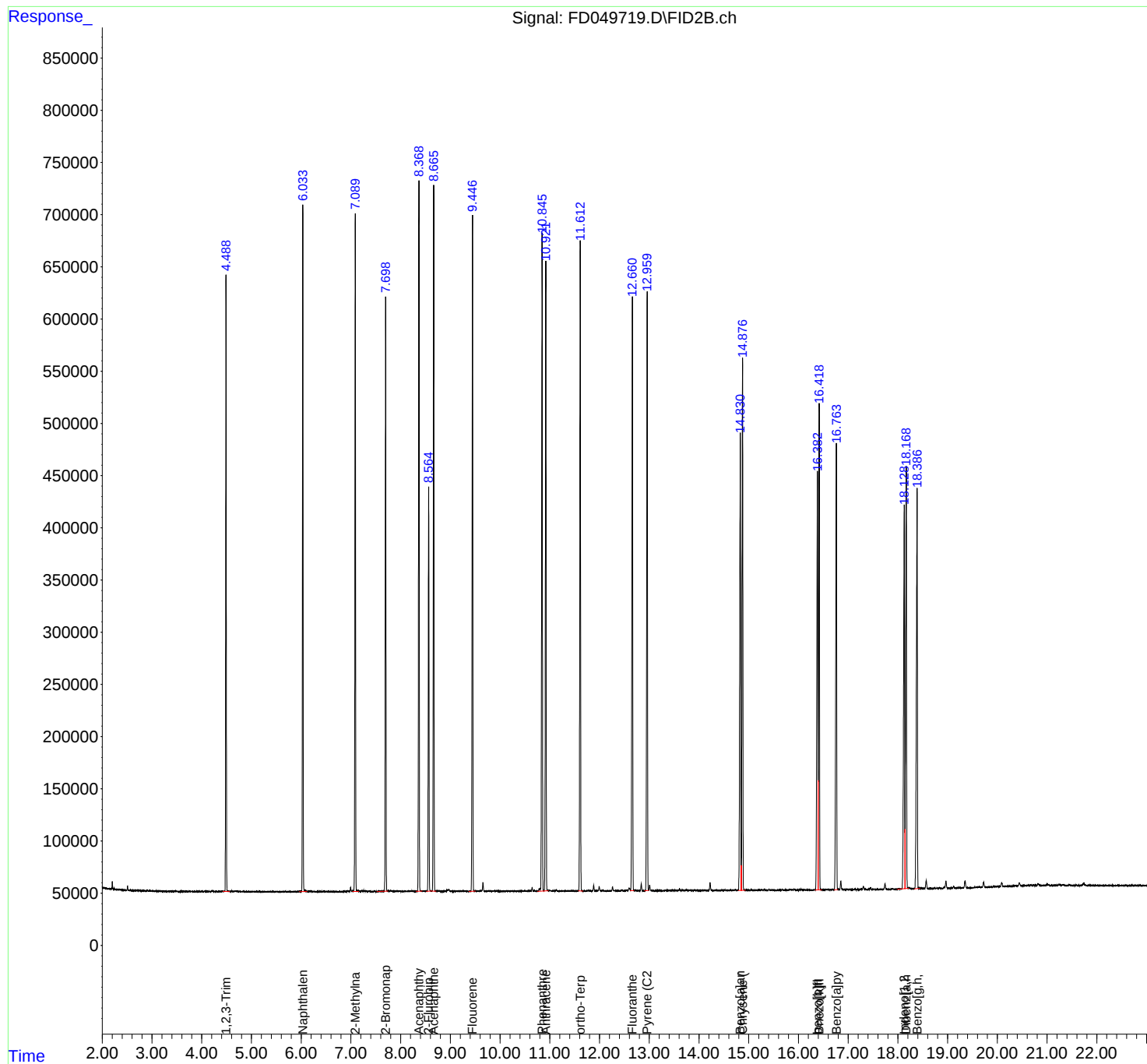
(m)=manual int.

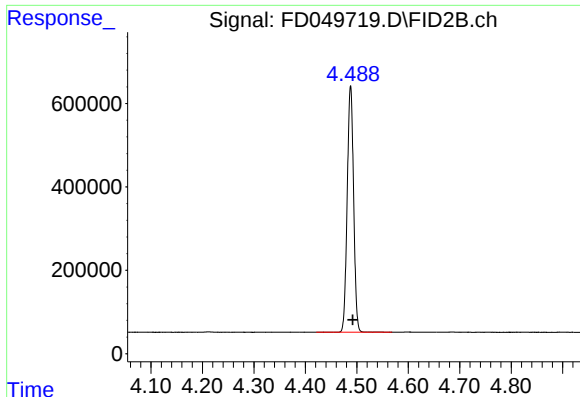
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD090425AR\
Data File : FD049719.D
Signal(s) : FID2B.ch
Acq On : 04 Sep 2025 10:16
Operator : YP/AJ
Sample : 50 PPM AROMATIC HC STD2
Misc :
ALS Vial : 62 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2

Integration File: autoint1.e
Quant Time: Sep 05 06:20:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 090425.M
Quant Title : GC Extractables
QLast Update : Fri Sep 05 06:18:55 2025
Response via : Initial Calibration
Integrator: ChemStation

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

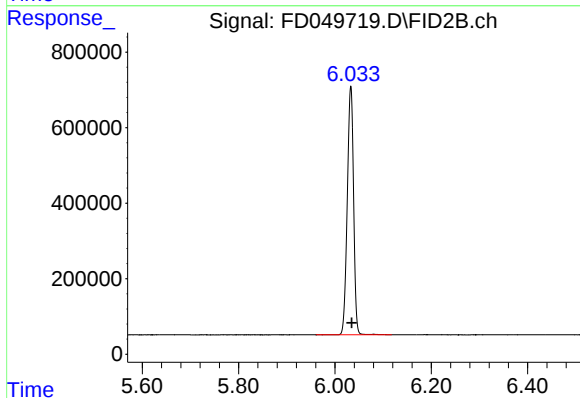




#1 1,2,3-Trimethylbenzene (C10.1)

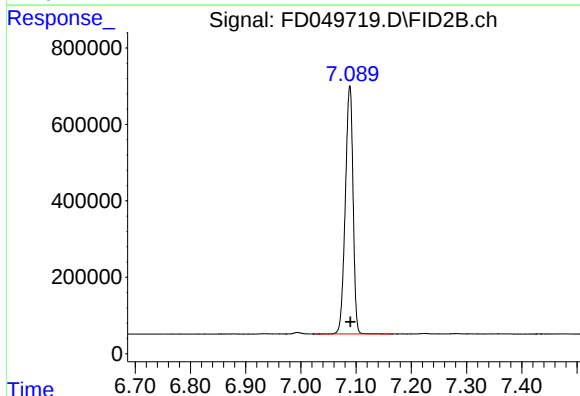
R.T.: 4.488 min
Delta R.T.: -0.004 min
Response: 5097348
Conc: 47.36 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2



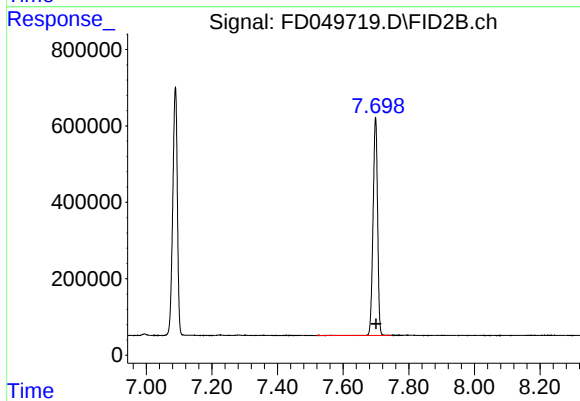
#2 Naphthalene (C11.7)

R.T.: 6.033 min
Delta R.T.: -0.002 min
Response: 5988739
Conc: 48.08 ug/ml



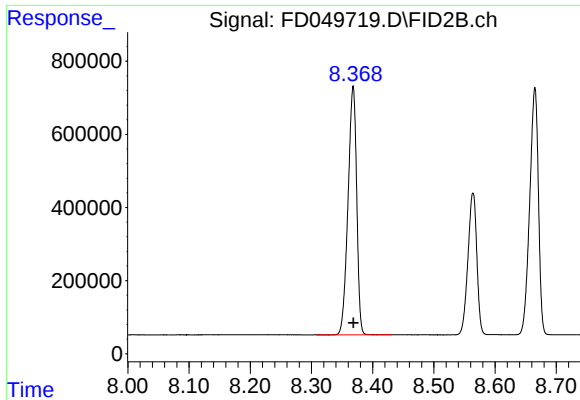
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.088 min
Delta R.T.: -0.001 min
Response: 6309415
Conc: 48.27 ug/ml



#4 2-Bromonaphthalene (SURR)

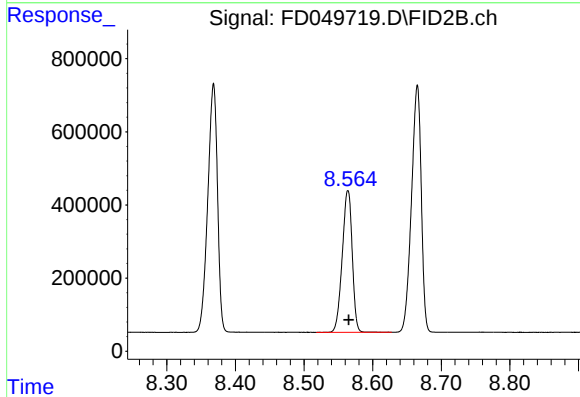
R.T.: 7.699 min
Delta R.T.: -0.002 min
Response: 5439535
Conc: 48.25 ug/ml



#5 Acenaphthylene (C15.06)

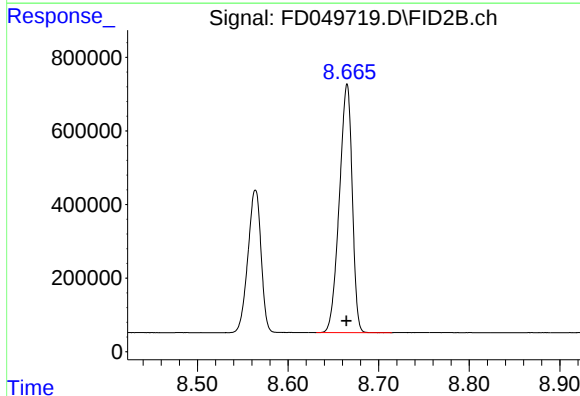
R.T.: 8.368 min
Delta R.T.: 0.000 min
Response: 6676398
Conc: 47.87 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2



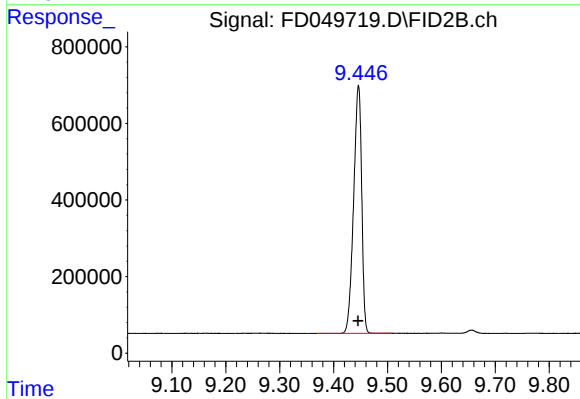
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.564 min
Delta R.T.: -0.001 min
Response: 3904709
Conc: 48.14 ug/ml



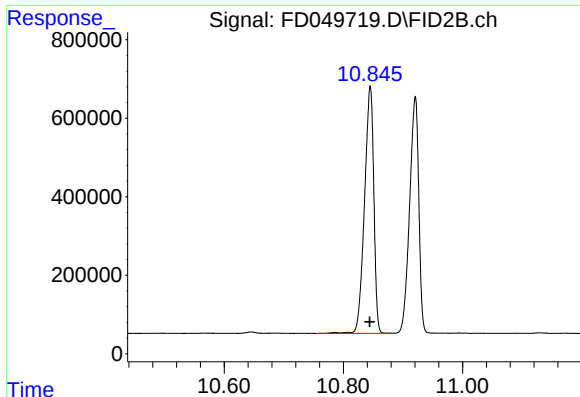
#7 Acenaphthene (C15.5)

R.T.: 8.665 min
Delta R.T.: 0.000 min
Response: 6676140
Conc: 47.85 ug/ml



#8 Flouorene (C16.55)

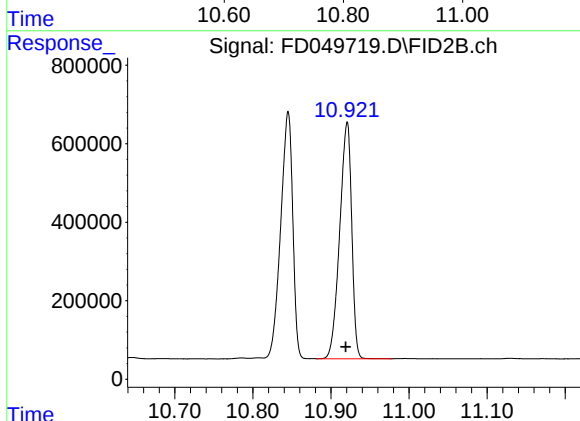
R.T.: 9.446 min
Delta R.T.: 0.000 min
Response: 6718389
Conc: 47.91 ug/ml



#9 Phenanthrene (C19.36)

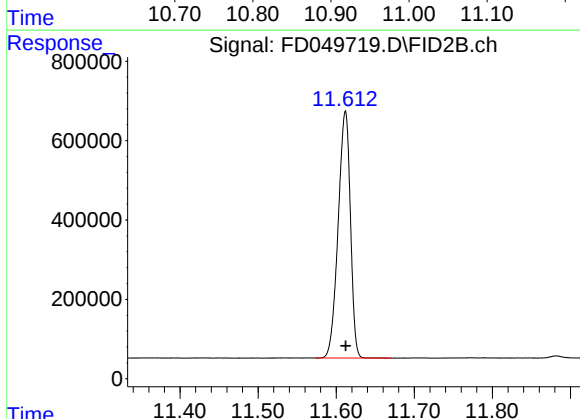
R.T.: 10.845 min
Delta R.T.: 0.000 min
Response: 6815270
Conc: 48.01 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2



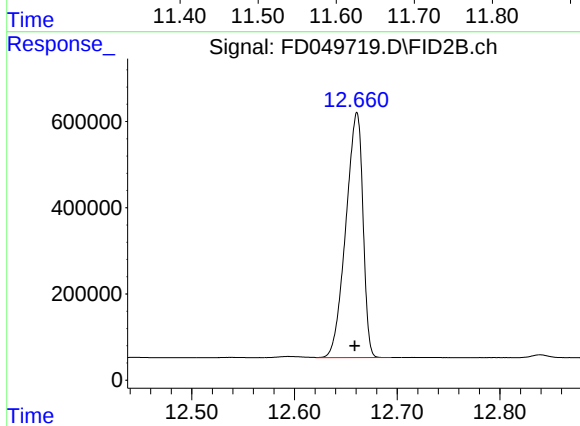
#10 Anthracene (C19.43)

R.T.: 10.920 min
Delta R.T.: 0.001 min
Response: 6448326
Conc: 48.07 ug/ml



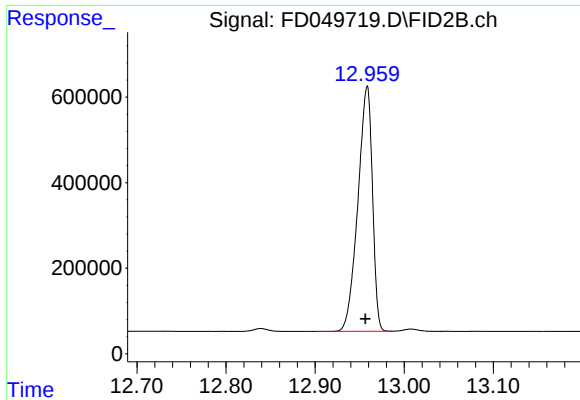
#11 ortho-Terphenyl (SURRE)

R.T.: 11.611 min
Delta R.T.: 0.000 min
Response: 6776278
Conc: 47.30 ug/ml



#12 Fluoranthene (C21.85)

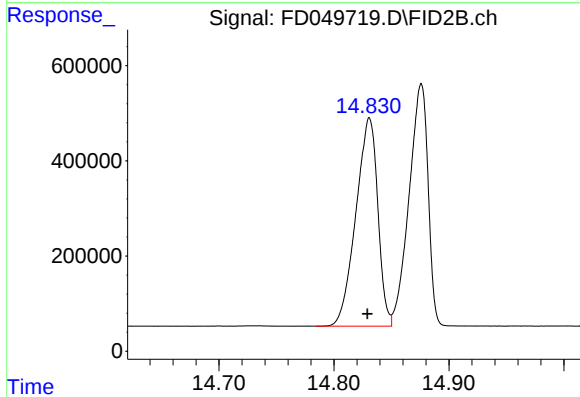
R.T.: 12.660 min
Delta R.T.: 0.002 min
Response: 6577964
Conc: 48.17 ug/ml



#13 Pyrene (C20.8)

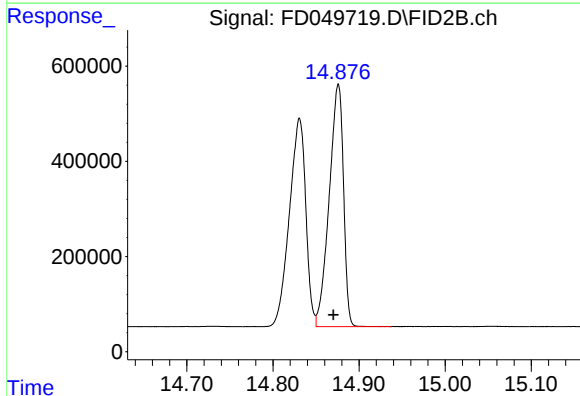
R.T.: 12.958 min
Delta R.T.: 0.001 min
Response: 6507375
Conc: 48.23 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2



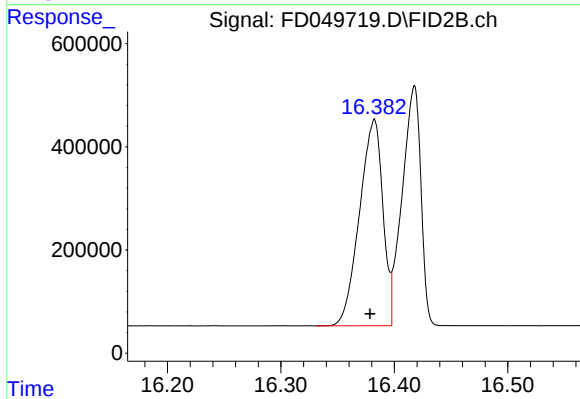
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.831 min
Delta R.T.: 0.002 min
Response: 5800499
Conc: 48.16 ug/ml



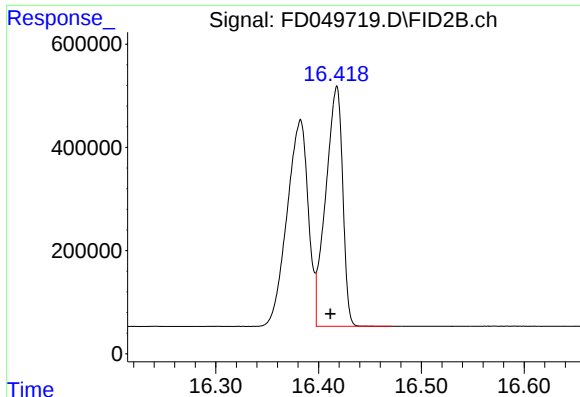
#15 Chrysene (C27.41)

R.T.: 14.875 min
Delta R.T.: 0.005 min
Response: 5856393
Conc: 47.99 ug/ml



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

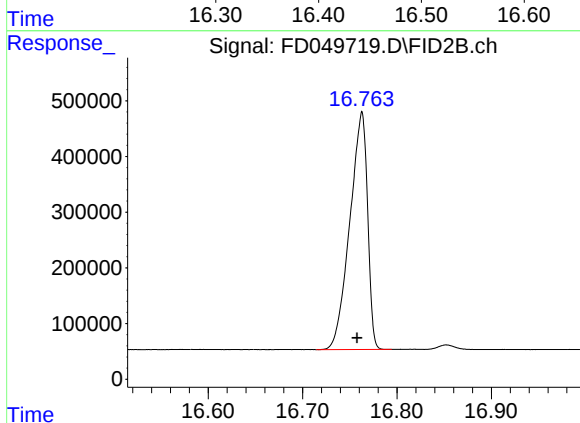
R.T.: 16.382 min
Delta R.T.: 0.003 min
Response: 5727605
Conc: 47.41 ug/ml



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

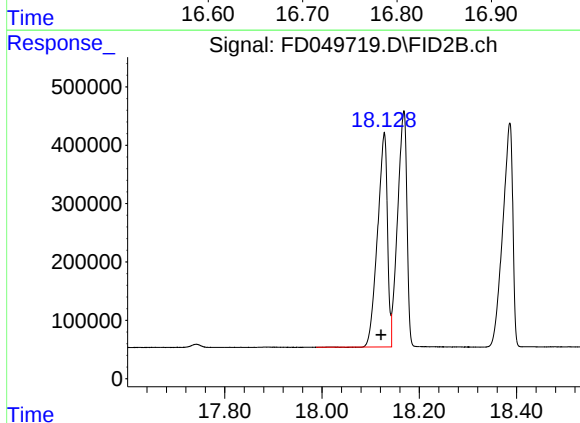
R.T.: 16.417 min
Delta R.T.: 0.006 min
Response: 5322884
Conc: 46.55 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2



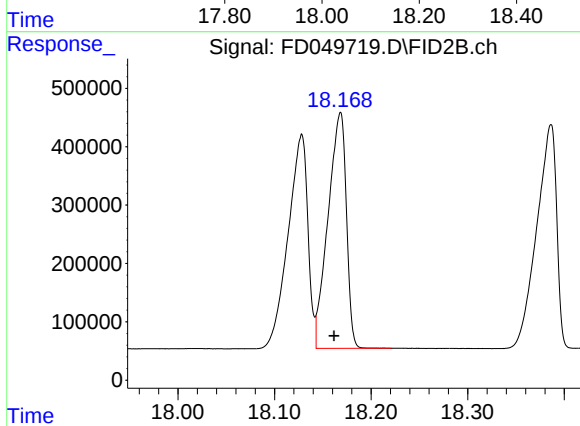
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.762 min
Delta R.T.: 0.004 min
Response: 5566382
Conc: 46.73 ug/ml



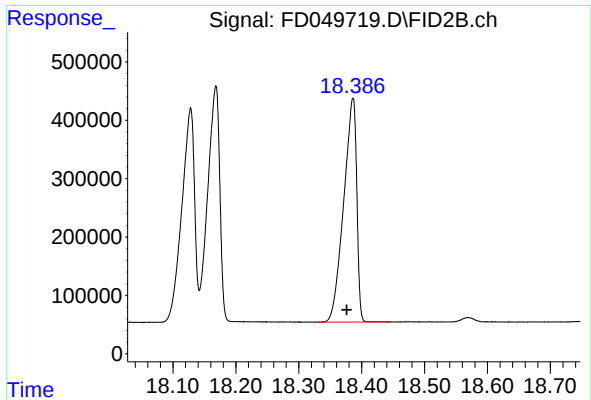
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.127 min
Delta R.T.: 0.006 min
Response: 5209247
Conc: 47.01 ug/ml



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

R.T.: 18.167 min
Delta R.T.: 0.006 min
Response: 5337048
Conc: 45.38 ug/ml



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

R.T.: 18.385 min
Delta R.T.: 0.009 min
Response: 5513508
Conc: 46.26 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD090425AR\
 Data File : FD049719.D
 Signal(s) : FID2B.ch
 Acq On : 04 Sep 2025 10:16
 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 090425.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	4.488	4.421	4.568	BB	589718	5097348	74.79%	4.102%
2	6.033	5.961	6.118	BB	664447	5988739	87.87%	4.819%
3	7.088	7.028	7.164	BB	647592	6309415	92.58%	5.077%
4	7.699	7.518	7.748	BB	567038	5439535	79.81%	4.377%
5	8.368	8.308	8.431	BB	678832	6676398	97.96%	5.373%
6	8.564	8.518	8.628	BB	390522	3904709	57.29%	3.142%
7	8.665	8.631	8.714	BB	673258	6676140	97.96%	5.372%
8	9.446	9.368	9.508	BB	640245	6718389	98.58%	5.406%
9	10.845	10.754	10.881	BV	628583	6815270	100.00%	5.484%
10	10.920	10.881	10.978	VV	609499	6448326	94.62%	5.189%
11	11.611	11.574	11.671	BB	621060	6776278	99.43%	5.453%
12	12.660	12.621	12.694	VB	574120	6577964	96.52%	5.293%
13	12.958	12.901	12.986	BV	571912	6507375	95.48%	5.237%
14	14.831	14.784	14.850	BV	439510	5800499	85.11%	4.668%
15	14.875	14.850	14.938	VB	506198	5856393	85.93%	4.713%
16	16.382	16.331	16.398	BV	396436	5727605	84.04%	4.609%
17	16.417	16.398	16.471	VB	468851	5322884	78.10%	4.283%
18	16.762	16.714	16.794	BB	417777	5566382	81.68%	4.479%
19	18.127	17.988	18.143	BV	367702	5209247	76.43%	4.192%
20	18.167	18.143	18.221	VB	405279	5337048	78.31%	4.295%
21	18.385	18.328	18.448	BB	381726	5513508	80.90%	4.437%
Sum of corrected areas:						124269453		

Aromatic EPH 090425.M Fri Sep 05 06:44:05 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD090425AR\
 Data File : FD049720.D
 Signal(s) : FID2B.ch
 Acq On : 04 Sep 2025 10:56
 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: Sep 05 06:21:15 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 090425.M
 Quant Title : GC Extractables
 QLast Update : Fri Sep 05 06:18:55 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...	7.701	2254913	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
6) S 2-Fluorobiphenyl (SURR)	8.565	1622343	20.000 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	40.00%
11) S ortho-Terphenyl (SURR)	11.612	2865224	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.492	2152601	20.000 ug/ml
2) T Naphthalene (C11.7)	6.035	2491010	20.000 ug/ml
3) T 2-Methylnaphthalene (...)	7.090	2614218	20.000 ug/ml
5) T Acenaphthylene (C15.06)	8.369	2789202	20.000 ug/ml
7) T Acenaphthene (C15.5)	8.665	2790447	20.000 ug/ml
8) T Flouorene (C16.55)	9.446	2804645	20.000 ug/ml
9) T Phenanthrene (C19.36)	10.845	2839318	20.000 ug/ml
10) T Anthracene (C19.43)	10.919	2682635	20.000 ug/ml
12) T Fluoranthene (C21.85)	12.659	2731115	20.000 ug/ml
13) T Pyrene (C20.8)	12.956	2698257	20.000 ug/ml
14) T Benzo[a]anthracene (C...	14.829	2408933	20.000 ug/ml
15) T Chrysene (C27.41)	14.870	2440531	20.000 ug/ml
16) T benzo[b]fluoranthene ...	16.379	2415976	20.000 ug/ml
17) T Bnezo[k]fluoranthene ...	16.411	2286971	20.000 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.758	2382359	20.000 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.122	2216312	20.000 ug/ml
20) T Dibenz[a,h]anthracene...	18.162	2352402	20.000 ug/ml
21) T Benzo[g,h,i]perylene ...	18.376	2383649	20.000 ug/ml

(f)=RT Delta > 1/2 Window

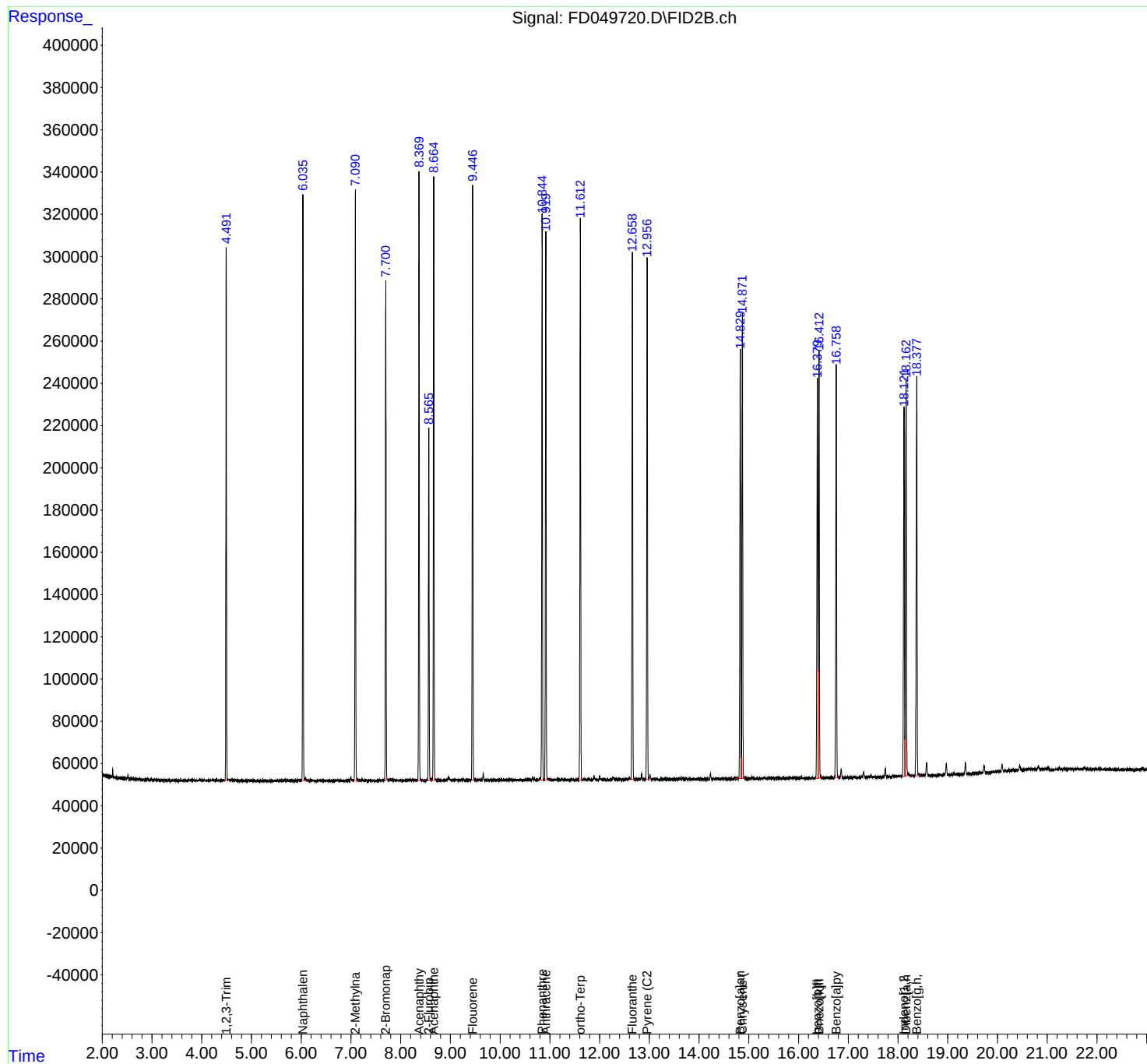
(m)=manual int.

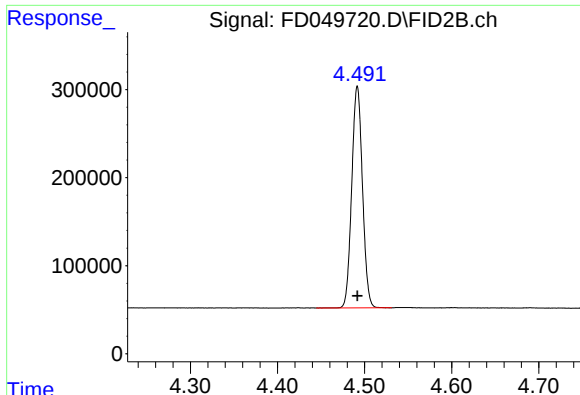
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD090425AR\
Data File : FD049720.D
Signal(s) : FID2B.ch
Acq On : 04 Sep 2025 10:56
Operator : YP/AJ
Sample : 20 PPM AROMATIC HC STD3
Misc :
ALS Vial : 63 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3

Integration File: autoint1.e
Quant Time: Sep 05 06:21:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 090425.M
Quant Title : GC Extractables
QLast Update : Fri Sep 05 06:18:55 2025
Response via : Initial Calibration
Integrator: ChemStation

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

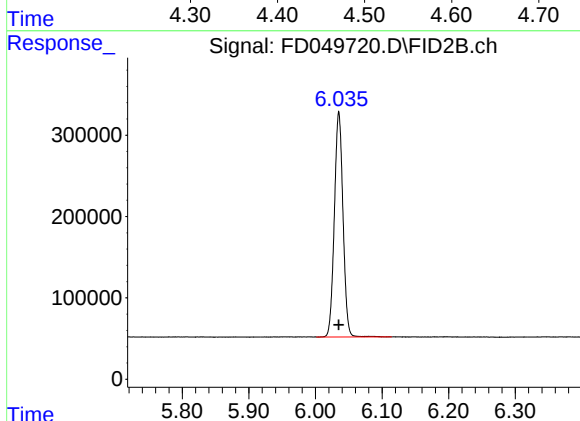




#1 1,2,3-Trimethylbenzene (C10.1)

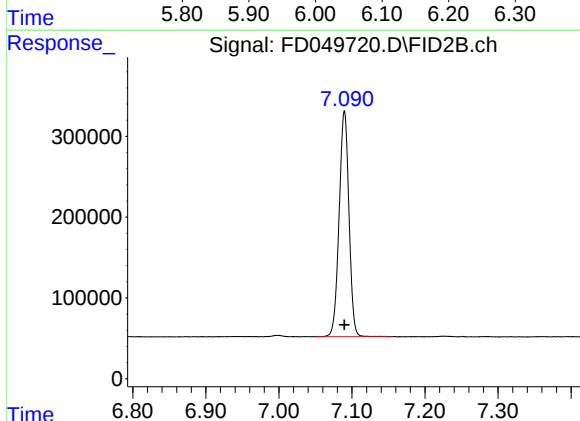
R.T.: 4.492 min
Delta R.T.: 0.000 min
Response: 2152601
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3



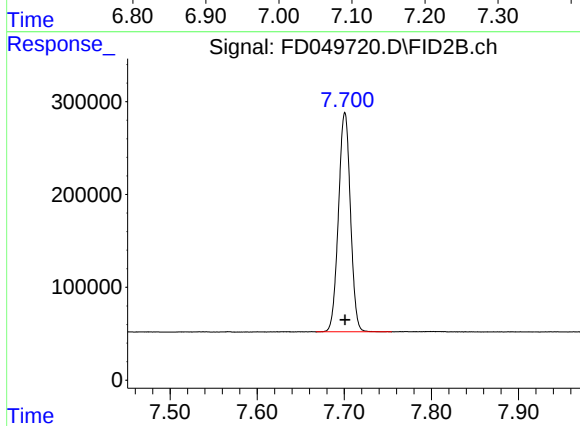
#2 Naphthalene (C11.7)

R.T.: 6.035 min
Delta R.T.: 0.000 min
Response: 2491010
Conc: 20.00 ug/ml



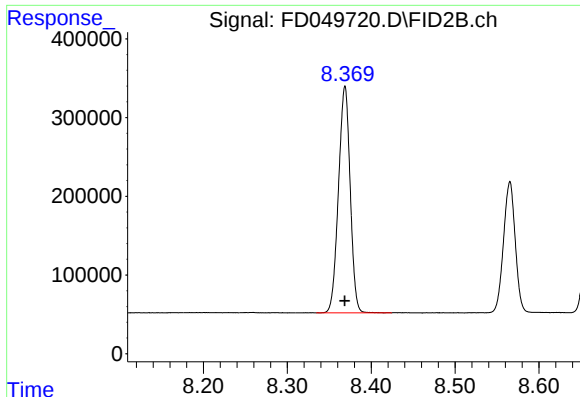
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.090 min
Delta R.T.: 0.000 min
Response: 2614218
Conc: 20.00 ug/ml



#4 2-Bromonaphthalene (SURR)

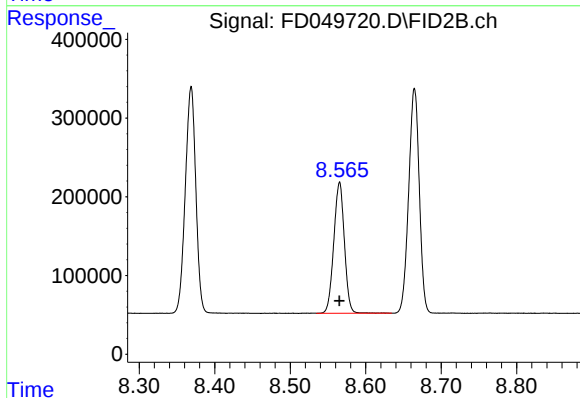
R.T.: 7.701 min
Delta R.T.: 0.000 min
Response: 2254913
Conc: 20.00 ug/ml



#5 Acenaphthylene (C15.06)

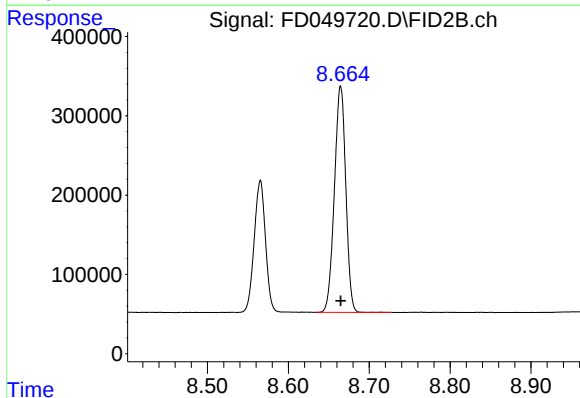
R.T.: 8.369 min
Delta R.T.: 0.000 min
Response: 2789202
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3



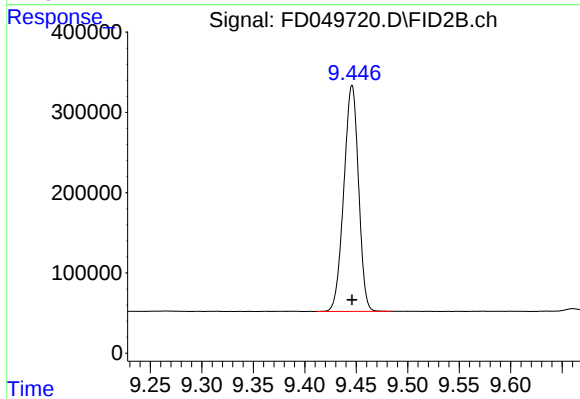
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.565 min
Delta R.T.: 0.000 min
Response: 1622343
Conc: 20.00 ug/ml



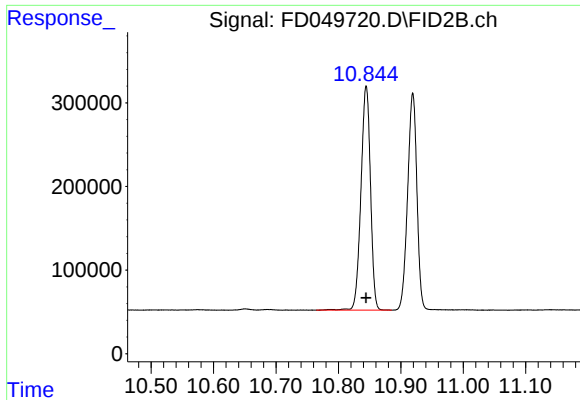
#7 Acenaphthene (C15.5)

R.T.: 8.665 min
Delta R.T.: 0.000 min
Response: 2790447
Conc: 20.00 ug/ml



#8 Fluorene (C16.55)

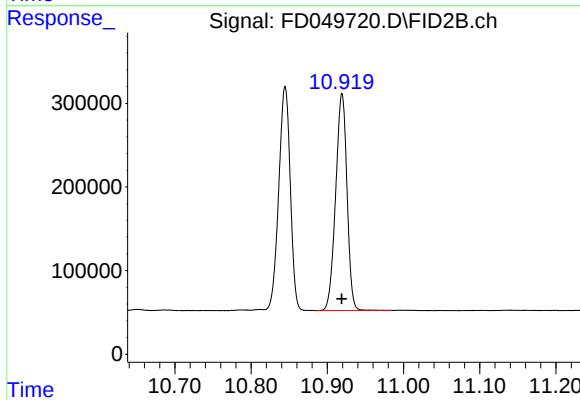
R.T.: 9.446 min
Delta R.T.: 0.000 min
Response: 2804645
Conc: 20.00 ug/ml



#9 Phenanthrene (C19.36)

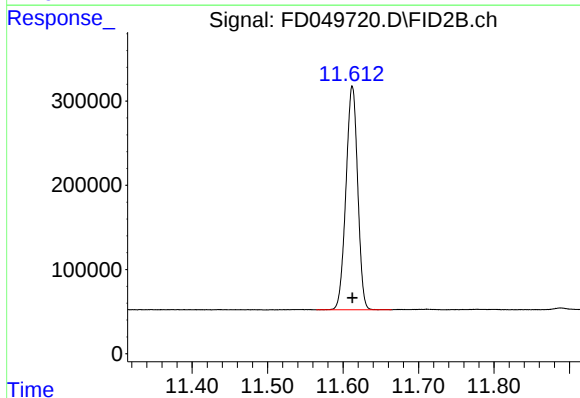
R.T.: 10.845 min
Delta R.T.: 0.000 min
Response: 2839318
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3



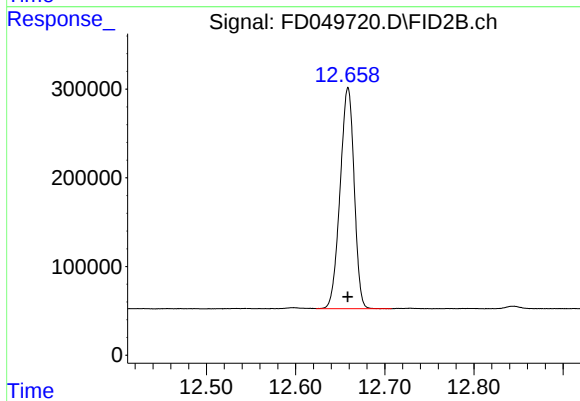
#10 Anthracene (C19.43)

R.T.: 10.919 min
Delta R.T.: 0.000 min
Response: 2682635
Conc: 20.00 ug/ml



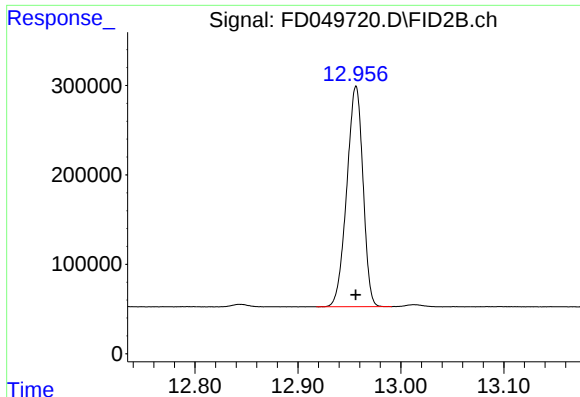
#11 ortho-Terphenyl (SURR)

R.T.: 11.612 min
Delta R.T.: 0.000 min
Response: 2865224
Conc: 20.00 ug/ml



#12 Fluoranthene (C21.85)

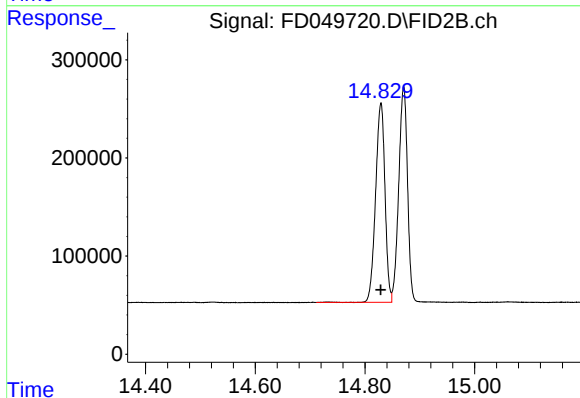
R.T.: 12.659 min
Delta R.T.: 0.000 min
Response: 2731115
Conc: 20.00 ug/ml



#13 Pyrene (C20.8)

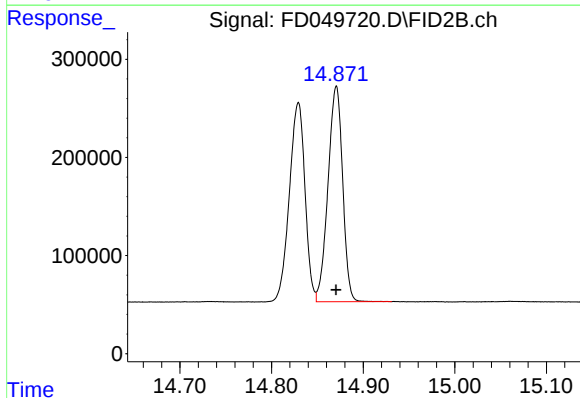
R.T.: 12.956 min
Delta R.T.: 0.000 min
Response: 2698257
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3



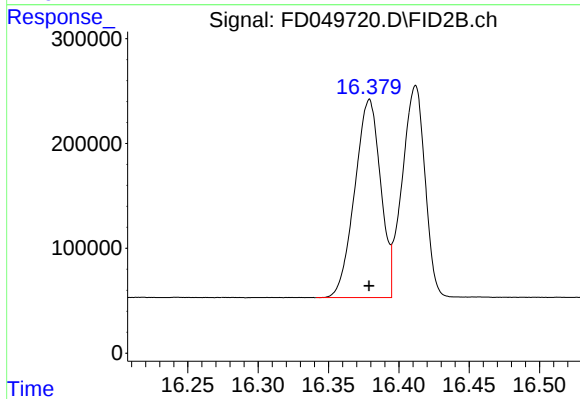
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.829 min
Delta R.T.: 0.000 min
Response: 2408933
Conc: 20.00 ug/ml



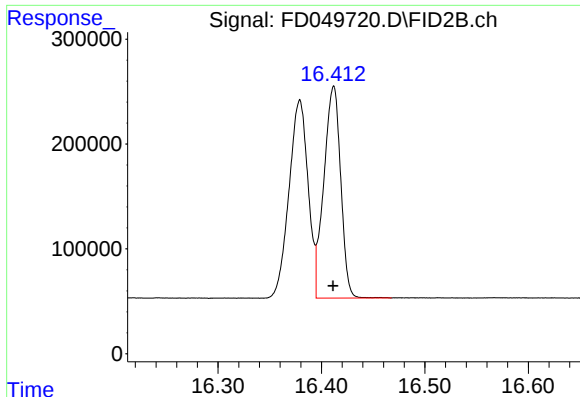
#15 Chrysene (C27.41)

R.T.: 14.870 min
Delta R.T.: 0.000 min
Response: 2440531
Conc: 20.00 ug/ml



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

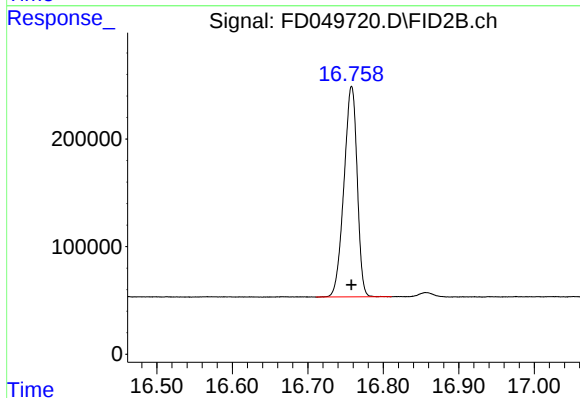
R.T.: 16.379 min
Delta R.T.: 0.000 min
Response: 2415976
Conc: 20.00 ug/ml



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

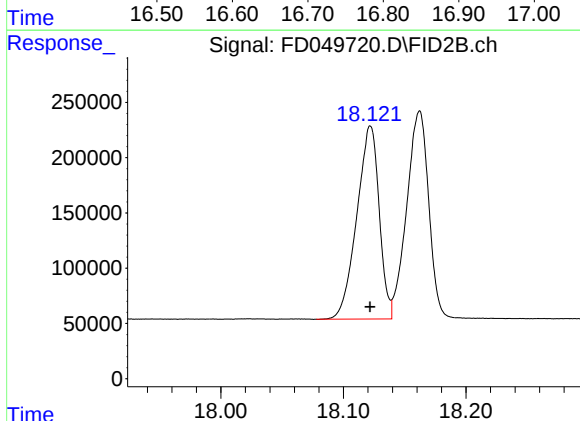
R.T.: 16.411 min
Delta R.T.: 0.000 min
Response: 2286971
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3



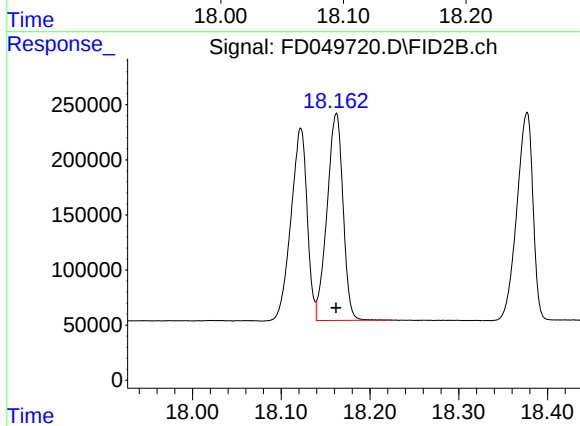
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.758 min
Delta R.T.: 0.000 min
Response: 2382359
Conc: 20.00 ug/ml



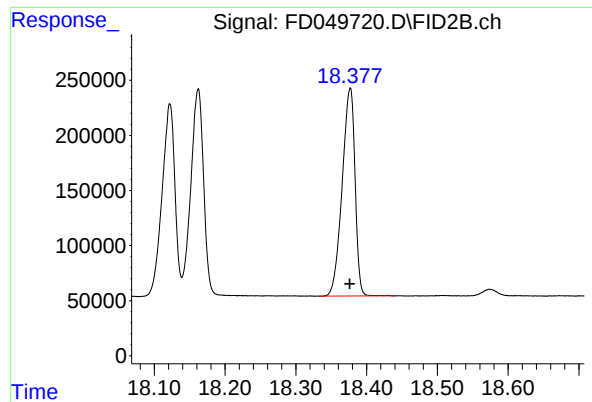
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.122 min
Delta R.T.: 0.000 min
Response: 2216312
Conc: 20.00 ug/ml



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

R.T.: 18.162 min
Delta R.T.: 0.000 min
Response: 2352402
Conc: 20.00 ug/ml



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

R.T.: 18.376 min
Delta R.T.: 0.000 min
Response: 2383649
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\FD090425AR\
Data File : FD049720.D
Signal(s) : FID2B.ch
Acq On : 04 Sep 2025 10:56
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 090425.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	4.492	4.444	4.531	BV	251006	2152601	75.13%	4.122%
2	6.035	6.001	6.114	BB	275132	2491010	86.94%	4.770%
3	7.090	7.051	7.154	BB	278974	2614218	91.24%	5.006%
4	7.701	7.668	7.754	BB	236508	2254913	78.70%	4.318%
5	8.369	8.334	8.424	BB	285866	2789202	97.35%	5.341%
6	8.565	8.534	8.634	BB	164924	1622343	56.62%	3.107%
7	8.665	8.634	8.728	BB	286084	2790447	97.39%	5.343%
8	9.446	9.411	9.484	BB	279966	2804645	97.89%	5.371%
9	10.845	10.764	10.885	BV	268419	2839318	99.10%	5.437%
10	10.919	10.885	10.984	PB	257528	2682635	93.63%	5.137%
11	11.612	11.564	11.664	BB	265077	2865224	100.00%	5.487%
12	12.659	12.623	12.708	VV	248840	2731115	95.32%	5.230%
13	12.956	12.918	12.991	BV	247991	2698257	94.17%	5.167%
14	14.829	14.711	14.849	BV	201790	2408933	84.07%	4.613%
15	14.870	14.849	14.931	VB	220616	2440531	85.18%	4.673%
16	16.379	16.341	16.395	BV	187779	2415976	84.32%	4.626%
17	16.411	16.395	16.468	VB	201483	2286971	79.82%	4.379%
18	16.758	16.711	16.811	BB	196308	2382359	83.15%	4.562%
19	18.122	18.078	18.139	BV	175224	2216312	77.35%	4.244%
20	18.162	18.139	18.224	VB	187210	2352402	82.10%	4.505%
21	18.376	18.334	18.441	BB	191440	2383649	83.19%	4.564%
Sum of corrected areas:						52223060		

Aromatic EPH 090425.M Fri Sep 05 06:44:21 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD090425AR\
 Data File : FD049721.D
 Signal(s) : FID2B.ch
 Acq On : 04 Sep 2025 11:38
 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: Sep 05 06:21:38 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 090425.M
 Quant Title : GC Extractables
 QLast Update : Fri Sep 05 06:18:55 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...	7.696	1103950	9.792 ug/ml
Spiked Amount 50.000		Recovery =	19.58%
6) S 2-Fluorobiphenyl (SURR)	8.560	784665	9.673 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	19.35%
11) S ortho-Terphenyl (SURR)	11.607	1399473	9.769 ug/ml
Spiked Amount 50.000		Recovery =	19.54%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.489	1063806	9.884 ug/ml
2) T Naphthalene (C11.7)	6.032	1213442	9.743 ug/ml
3) T 2-Methylnaphthalene (...)	7.085	1271229	9.725 ug/ml
5) T Acenaphthylene (C15.06)	8.364	1364366	9.783 ug/ml
7) T Acenaphthene (C15.5)	8.659	1365728	9.789 ug/ml
8) T Flouorene (C16.55)	9.441	1362341	9.715 ug/ml
9) T Phenanthrene (C19.36)	10.839	1363521	9.605 ug/ml
10) T Anthracene (C19.43)	10.913	1291559	9.629 ug/ml
12) T Fluoranthene (C21.85)	12.652	1306755	9.569 ug/ml
13) T Pyrene (C20.8)	12.949	1298472	9.625 ug/ml
14) T Benzo[a]anthracene (C...	14.821	1173101	9.740 ug/ml
15) T Chrysene (C27.41)	14.863	1194158	9.786 ug/ml
16) T benzo[b]fluoranthene ...	16.371	1196416	9.904 ug/ml
17) T Bnezo[k]fluoranthene ...	16.403	1135613	9.931 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.750	1175249	9.866 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.113	1079787	9.744 ug/ml
20) T Dibenz[a,h]anthracene...	18.154	1161284	9.873 ug/ml
21) T Benzo[g,h,i]perylene ...	18.366	1177944	9.884 ug/ml

(f)=RT Delta > 1/2 Window

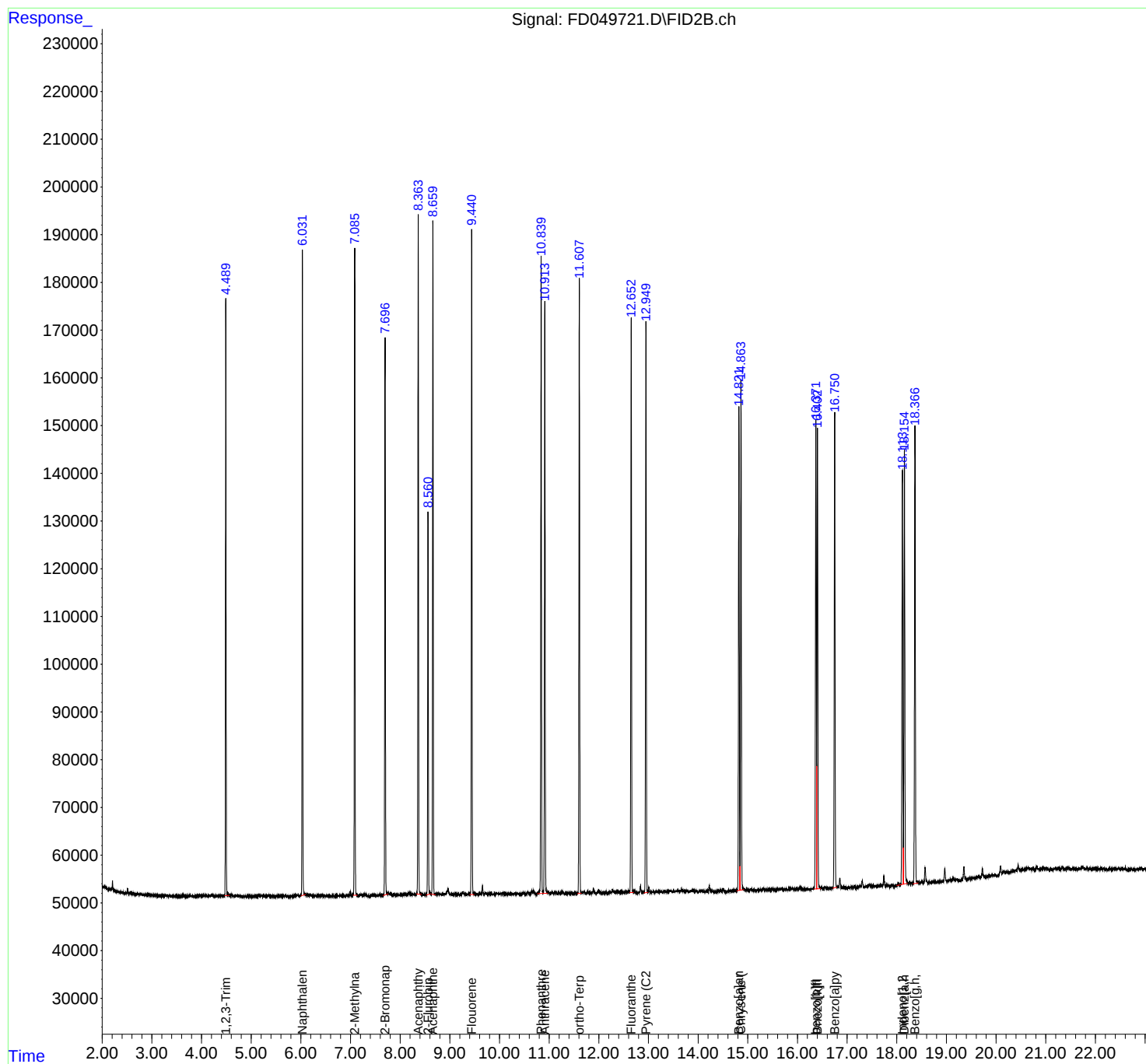
(m)=manual int.

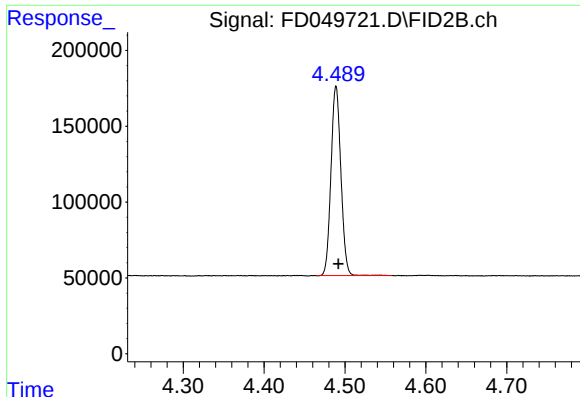
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD090425AR\
Data File : FD049721.D
Signal(s) : FID2B.ch
Acq On : 04 Sep 2025 11:38
Operator : YP/AJ
Sample : 10 PPM AROMATIC HC STD4
Misc :
ALS Vial : 64 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4

Integration File: autoint1.e
Quant Time: Sep 05 06:21:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 090425.M
Quant Title : GC Extractables
QLast Update : Fri Sep 05 06:18:55 2025
Response via : Initial Calibration
Integrator: ChemStation

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

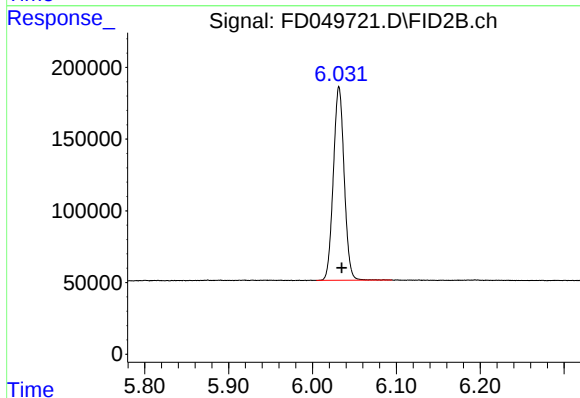




#1 1,2,3-Trimethylbenzene (C10.1)

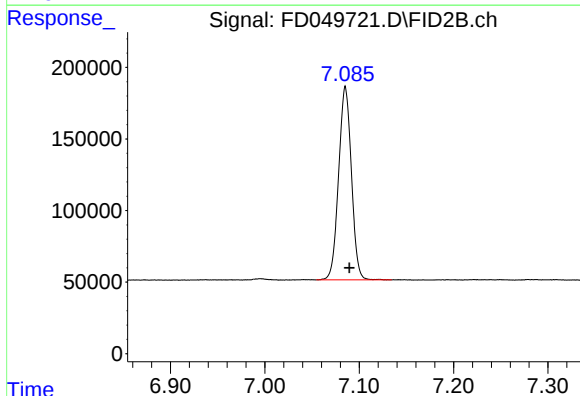
R.T.: 4.489 min
Delta R.T.: -0.003 min
Response: 1063806
Conc: 9.88 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4



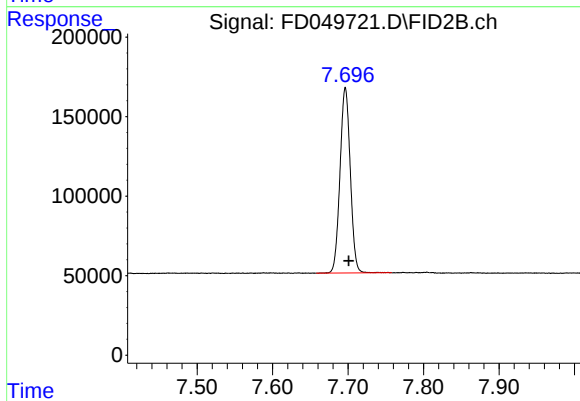
#2 Naphthalene (C11.7)

R.T.: 6.032 min
Delta R.T.: -0.004 min
Response: 1213442
Conc: 9.74 ug/ml



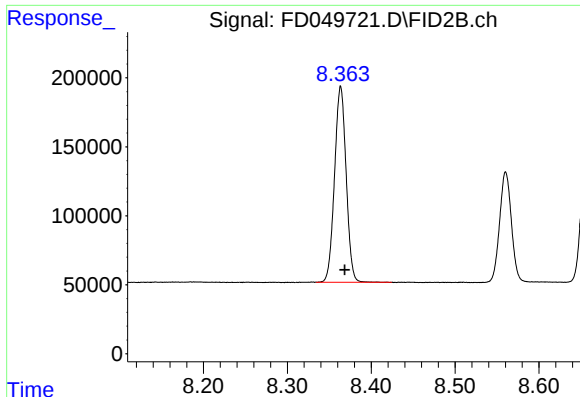
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.085 min
Delta R.T.: -0.004 min
Response: 1271229
Conc: 9.73 ug/ml



#4 2-Bromonaphthalene (SURR)

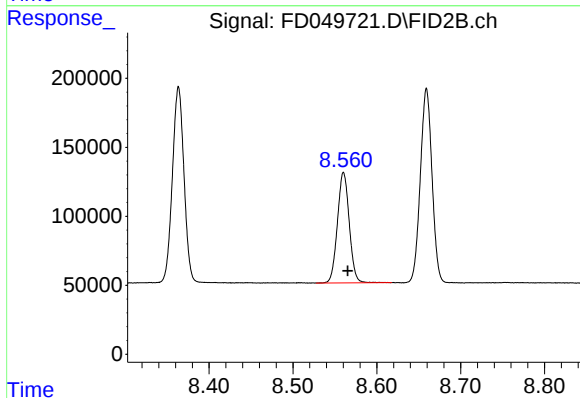
R.T.: 7.696 min
Delta R.T.: -0.004 min
Response: 1103950
Conc: 9.79 ug/ml



#5 Acenaphthylene (C15.06)

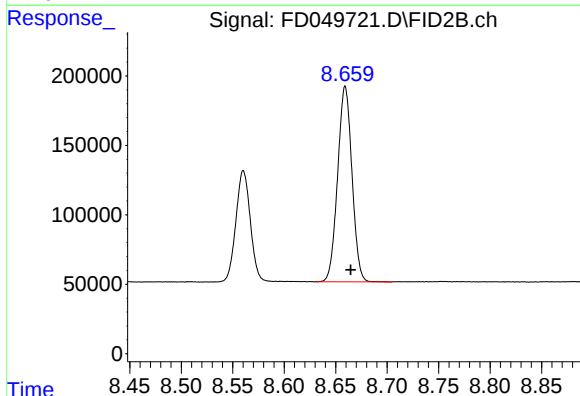
R.T.: 8.364 min
Delta R.T.: -0.005 min
Response: 1364366
Conc: 9.78 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4



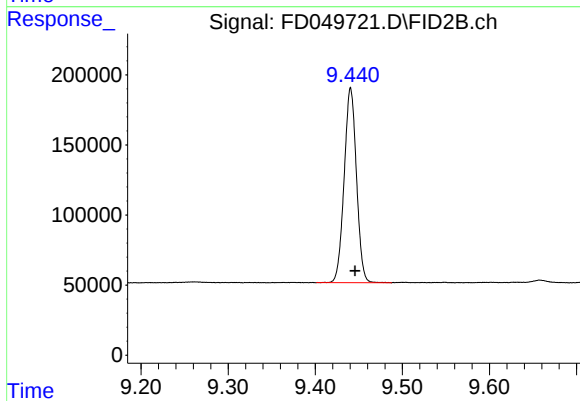
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.560 min
Delta R.T.: -0.005 min
Response: 784665
Conc: 9.67 ug/ml



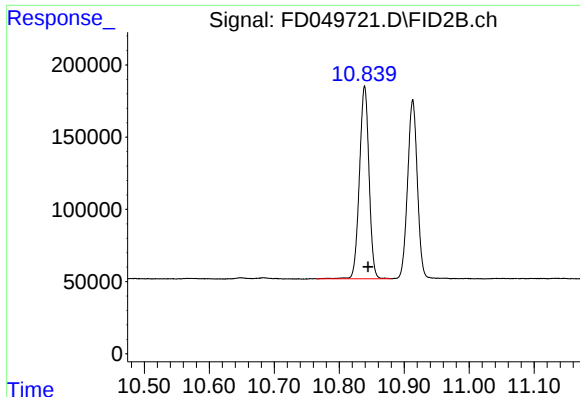
#7 Acenaphthene (C15.5)

R.T.: 8.659 min
Delta R.T.: -0.005 min
Response: 1365728
Conc: 9.79 ug/ml



#8 Fluorene (C16.55)

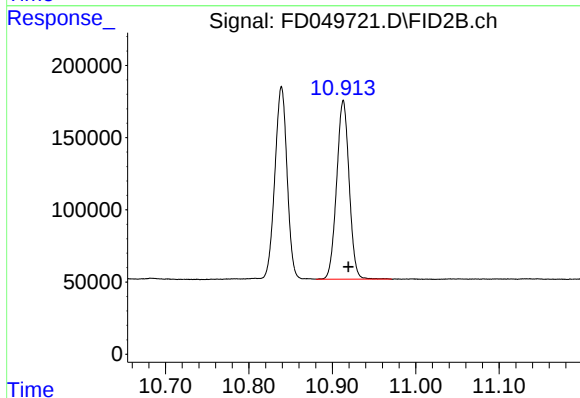
R.T.: 9.441 min
Delta R.T.: -0.005 min
Response: 1362341
Conc: 9.71 ug/ml



#9 Phenanthrene (C19.36)

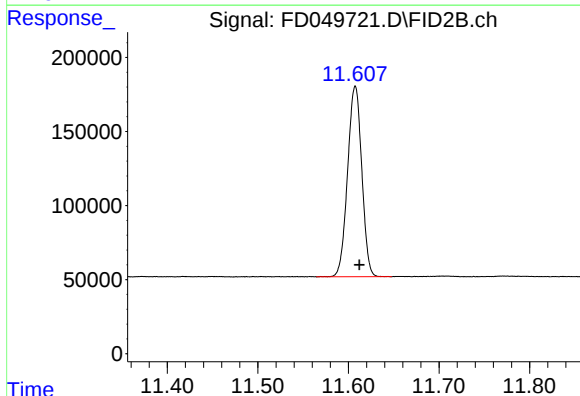
R.T.: 10.839 min
Delta R.T.: -0.006 min
Response: 1363521
Conc: 9.60 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4



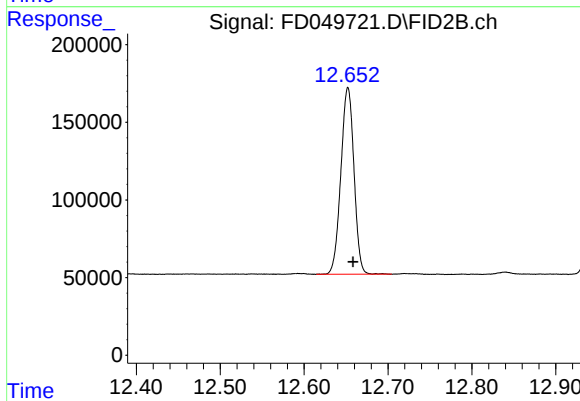
#10 Anthracene (C19.43)

R.T.: 10.913 min
Delta R.T.: -0.006 min
Response: 1291559
Conc: 9.63 ug/ml



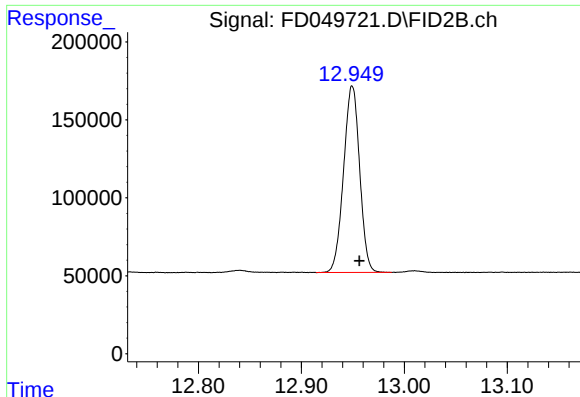
#11 ortho-Terphenyl (SURR)

R.T.: 11.607 min
Delta R.T.: -0.005 min
Response: 1399473
Conc: 9.77 ug/ml



#12 Fluoranthene (C21.85)

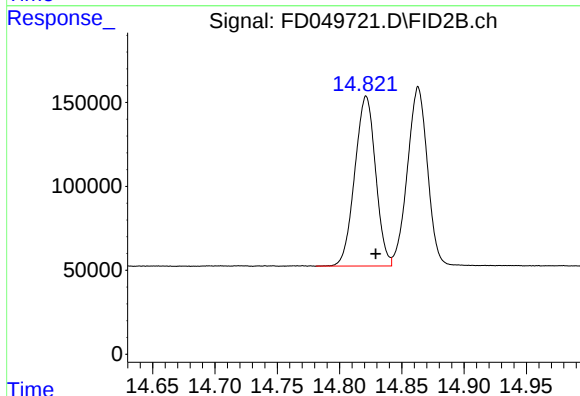
R.T.: 12.652 min
Delta R.T.: -0.006 min
Response: 1306755
Conc: 9.57 ug/ml



#13 Pyrene (C20.8)

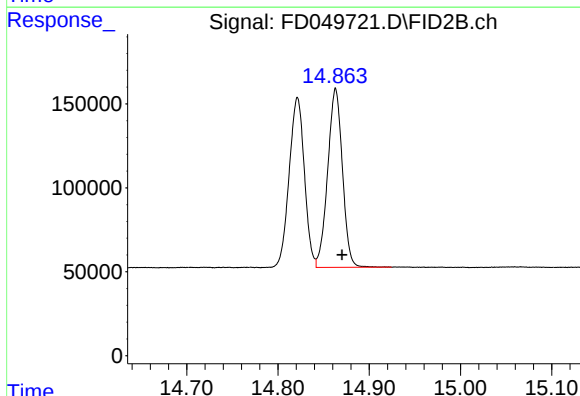
R.T.: 12.949 min
Delta R.T.: -0.007 min
Response: 1298472
Conc: 9.62 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4



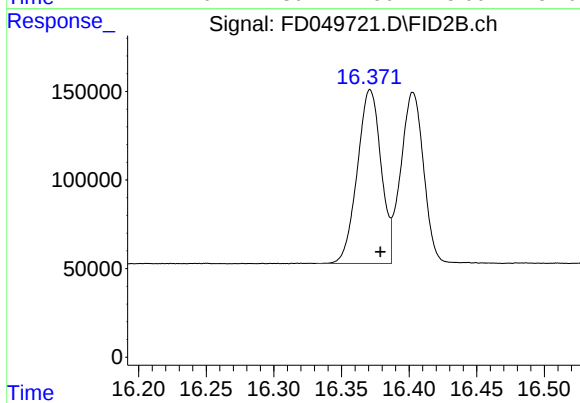
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.821 min
Delta R.T.: -0.008 min
Response: 1173101
Conc: 9.74 ug/ml



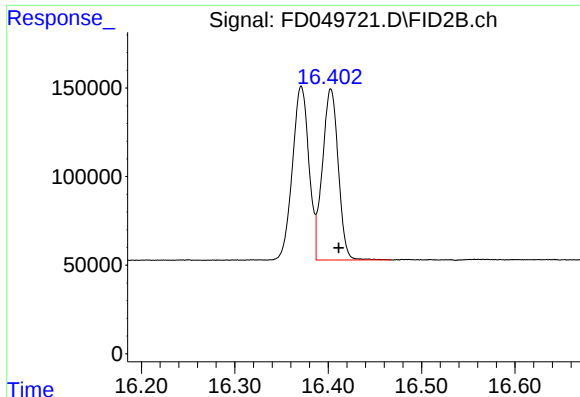
#15 Chrysene (C27.41)

R.T.: 14.863 min
Delta R.T.: -0.007 min
Response: 1194158
Conc: 9.79 ug/ml



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

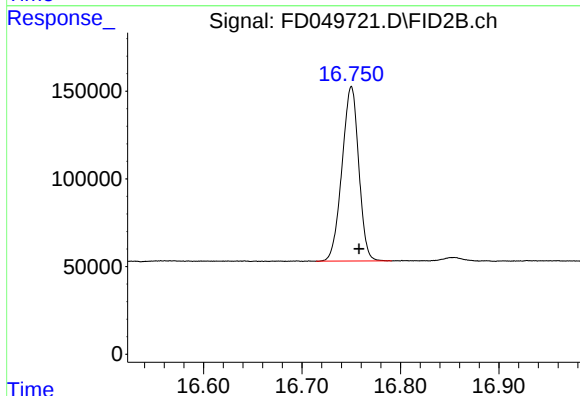
R.T.: 16.371 min
Delta R.T.: -0.008 min
Response: 1196416
Conc: 9.90 ug/ml



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

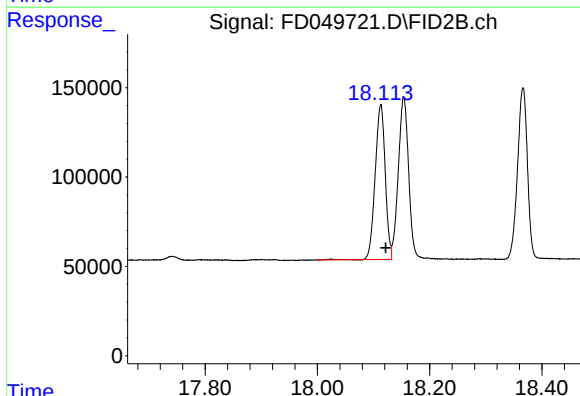
R.T.: 16.403 min
Delta R.T.: -0.009 min
Response: 1135613
Conc: 9.93 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4



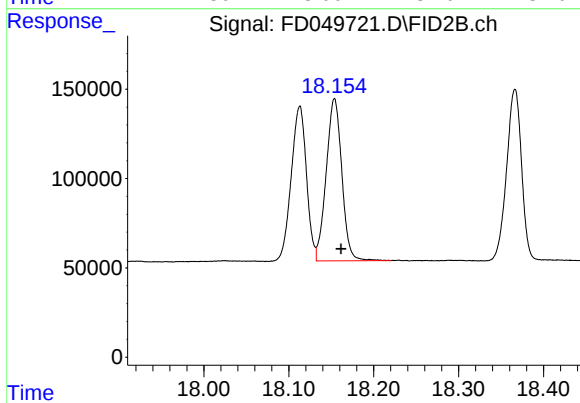
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.750 min
Delta R.T.: -0.008 min
Response: 1175249
Conc: 9.87 ug/ml



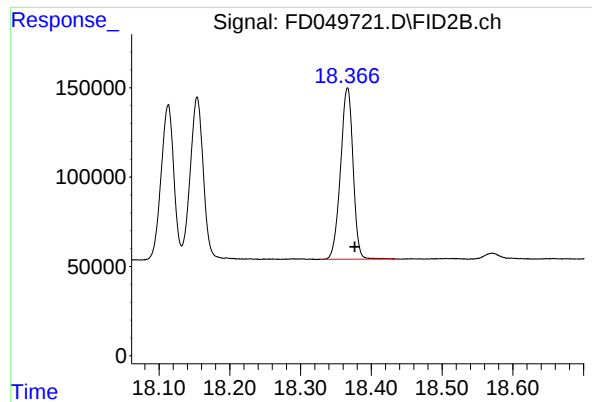
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.113 min
Delta R.T.: -0.009 min
Response: 1079787
Conc: 9.74 ug/ml



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

R.T.: 18.154 min
Delta R.T.: -0.008 min
Response: 1161284
Conc: 9.87 ug/ml



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

R.T.: 18.366 min
Delta R.T.: -0.010 min
Response: 1177944
Conc: 9.88 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD090425AR\
Data File : FD049721.D
Signal(s) : FID2B.ch
Acq On : 04 Sep 2025 11:38
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 090425.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	4.489	4.464	4.558	BB	124181	1063806	76.01%	4.175%
2	6.032	6.004	6.094	BB	134532	1213442	86.71%	4.762%
3	7.085	7.054	7.134	BB	134163	1271229	90.84%	4.989%
4	7.696	7.658	7.758	BB	115807	1103950	78.88%	4.332%
5	8.364	8.334	8.424	BB	141863	1364366	97.49%	5.354%
6	8.560	8.528	8.618	BB	79804	784665	56.07%	3.079%
7	8.659	8.631	8.704	BB	139440	1365728	97.59%	5.359%
8	9.441	9.401	9.488	BB	138561	1362341	97.35%	5.346%
9	10.839	10.764	10.881	BV	132485	1363521	97.43%	5.351%
10	10.913	10.881	10.971	PB	123326	1291559	92.29%	5.068%
11	11.607	11.564	11.648	BB	128777	1399473	100.00%	5.492%
12	12.652	12.614	12.704	BV	119940	1306755	93.37%	5.128%
13	12.949	12.914	12.988	BV	119411	1298472	92.78%	5.095%
14	14.821	14.781	14.842	BV	101155	1173101	83.82%	4.603%
15	14.863	14.842	14.924	VB	106138	1194158	85.33%	4.686%
16	16.371	16.331	16.387	BV	98180	1196416	85.49%	4.695%
17	16.403	16.387	16.468	VB	96574	1135613	81.15%	4.456%
18	16.750	16.714	16.791	BB	99992	1175249	83.98%	4.612%
19	18.113	17.998	18.132	BV	87120	1079787	77.16%	4.237%
20	18.154	18.132	18.221	VB	90851	1161284	82.98%	4.557%
21	18.366	18.328	18.434	BB	96607	1177944	84.17%	4.622%
Sum of corrected areas:						25482857		

Aromatic EPH 090425.M Fri Sep 05 06:44:37 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD090425AR\
 Data File : FD049722.D
 Signal(s) : FID2B.ch
 Acq On : 04 Sep 2025 12:19
 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: Sep 05 06:22:02 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 090425.M
 Quant Title : GC Extractables
 QLast Update : Fri Sep 05 06:18:55 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...	7.697	596288	5.289 ug/ml
Spiked Amount 50.000		Recovery =	10.58%
6) S 2-Fluorobiphenyl (SURR)	8.561	420895	5.189 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	10.38%
11) S ortho-Terphenyl (SURR)	11.607	762216	5.320 ug/ml
Spiked Amount 50.000		Recovery =	10.64%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.489	591988	5.500 ug/ml
2) T Naphthalene (C11.7)	6.032	667521	5.359 ug/ml
3) T 2-Methylnaphthalene (...)	7.086	692097	5.295 ug/ml
5) T Acenaphthylene (C15.06)	8.364	742304	5.323 ug/ml
7) T Acenaphthene (C15.5)	8.659	740977	5.311 ug/ml
8) T Flouorene (C16.55)	9.441	735487	5.245 ug/ml
9) T Phenanthrene (C19.36)	10.838	722864	5.092 ug/ml
10) T Anthracene (C19.43)	10.913	692408	5.162 ug/ml
12) T Fluoranthene (C21.85)	12.652	709917	5.199 ug/ml
13) T Pyrene (C20.8)	12.949	695929	5.158 ug/ml
14) T Benzo[a]anthracene (C...	14.821	637941	5.296 ug/ml
15) T Chrysene (C27.41)	14.862	661550	5.421 ug/ml
16) T benzo[b]fluoranthene ...	16.370	653575	5.410 ug/ml
17) T Bnezo[k]fluoranthene ...	16.401	620851	5.429 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.748	644952	5.414 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.111	584175	5.272 ug/ml
20) T Dibenz[a,h]anthracene...	18.152	643201	5.468 ug/ml
21) T Benzo[g,h,i]perylene ...	18.364	635196	5.330 ug/ml

(f)=RT Delta > 1/2 Window

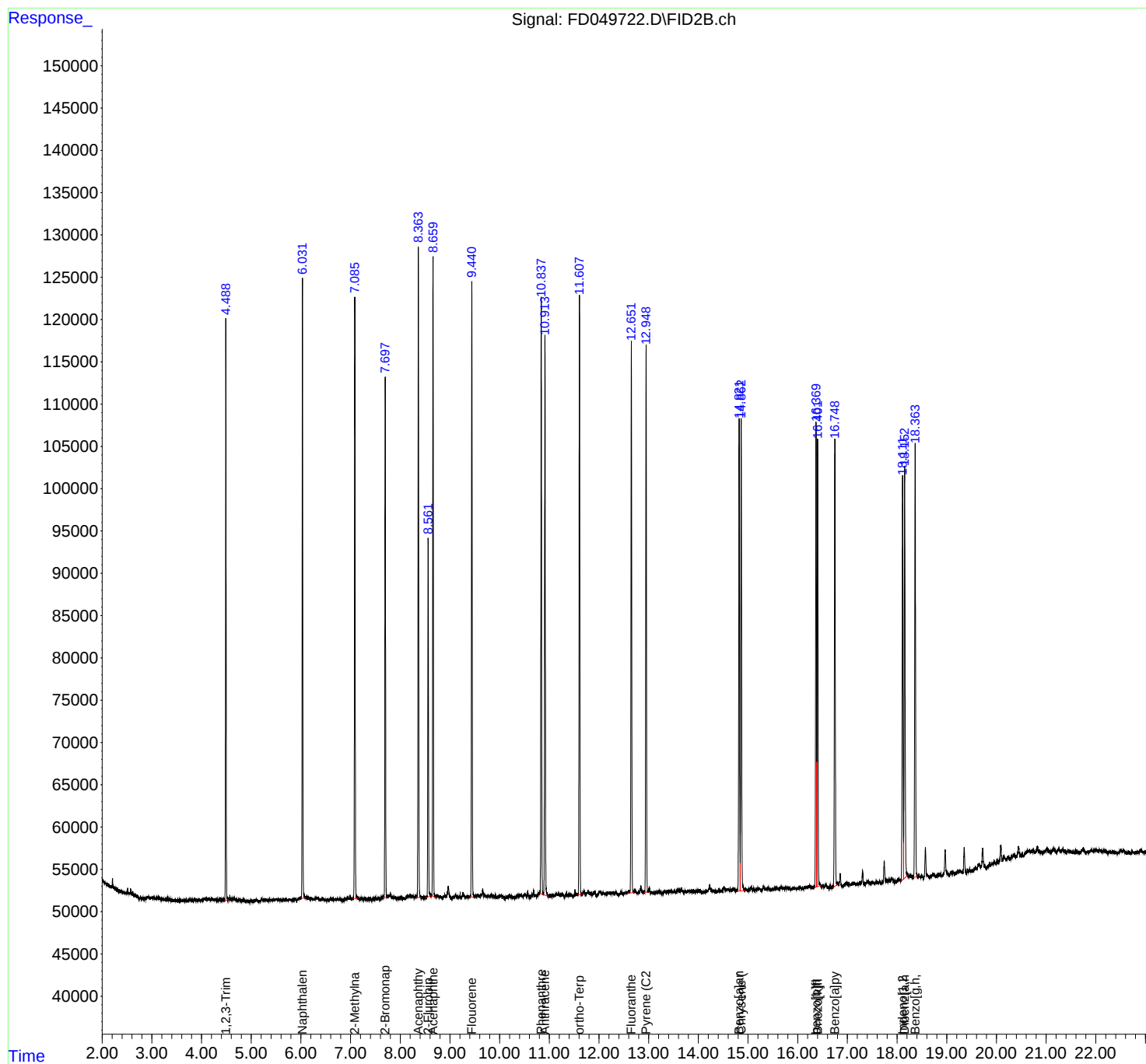
(m)=manual int.

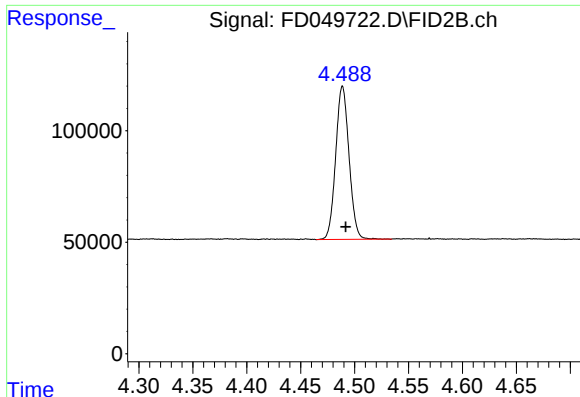
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD090425AR\
Data File : FD049722.D
Signal(s) : FID2B.ch
Acq On : 04 Sep 2025 12:19
Operator : YP/AJ
Sample : 5 PPM AROMATIC HC STD5
Misc :
ALS Vial : 65 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5

Integration File: autoint1.e
Quant Time: Sep 05 06:22:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 090425.M
Quant Title : GC Extractables
QLast Update : Fri Sep 05 06:18:55 2025
Response via : Initial Calibration
Integrator: ChemStation

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

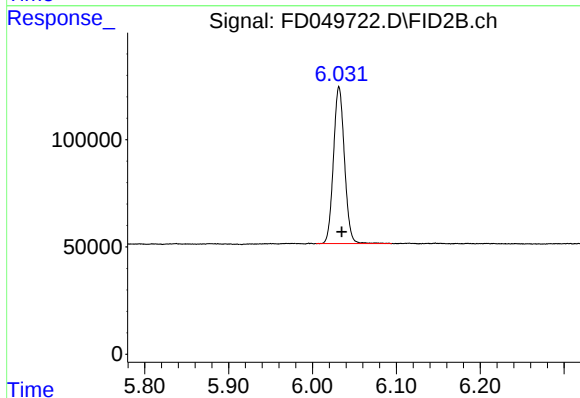




#1 1,2,3-Trimethylbenzene (C10.1)

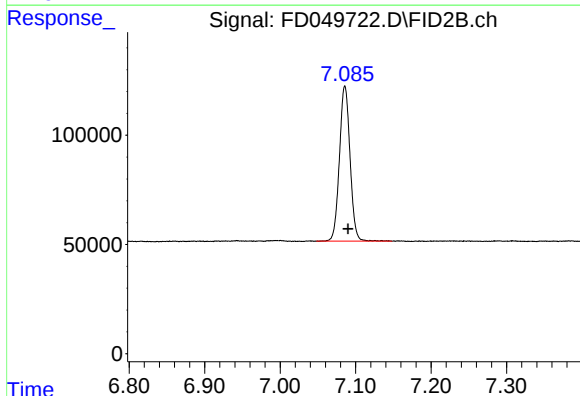
R.T.: 4.489 min
Delta R.T.: -0.003 min
Response: 591988
Conc: 5.50 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5



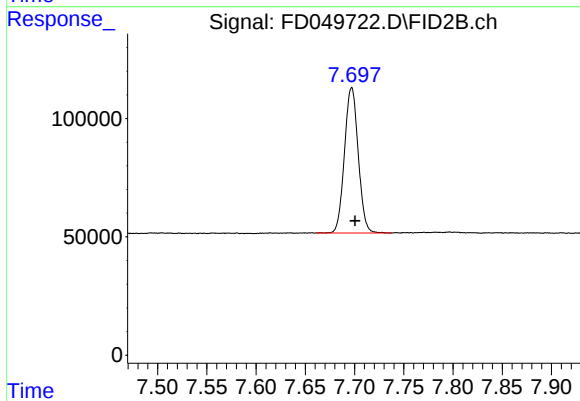
#2 Naphthalene (C11.7)

R.T.: 6.032 min
Delta R.T.: -0.003 min
Response: 667521
Conc: 5.36 ug/ml



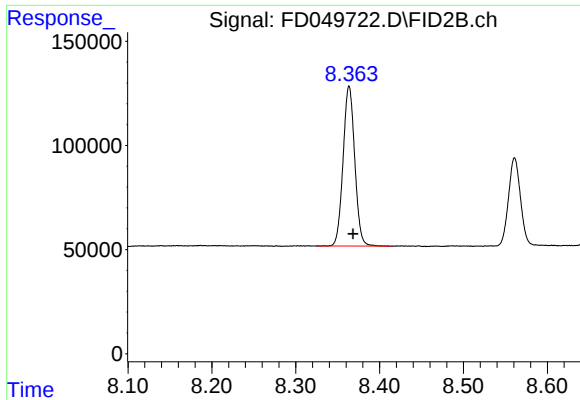
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.086 min
Delta R.T.: -0.004 min
Response: 692097
Conc: 5.29 ug/ml



#4 2-Bromonaphthalene (SURR)

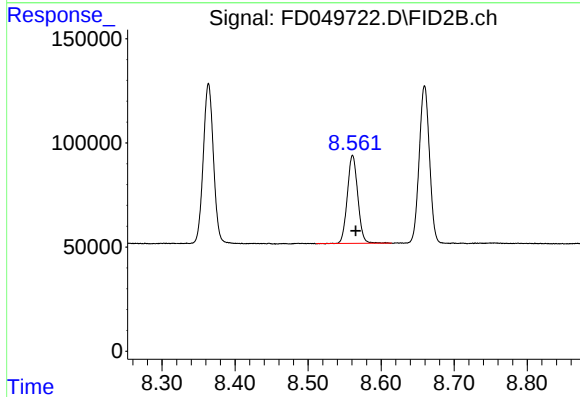
R.T.: 7.697 min
Delta R.T.: -0.004 min
Response: 596288
Conc: 5.29 ug/ml



#5 Acenaphthylene (C15.06)

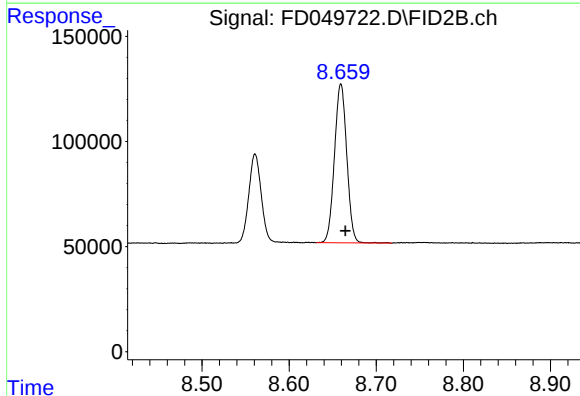
R.T.: 8.364 min
Delta R.T.: -0.005 min
Response: 742304
Conc: 5.32 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5



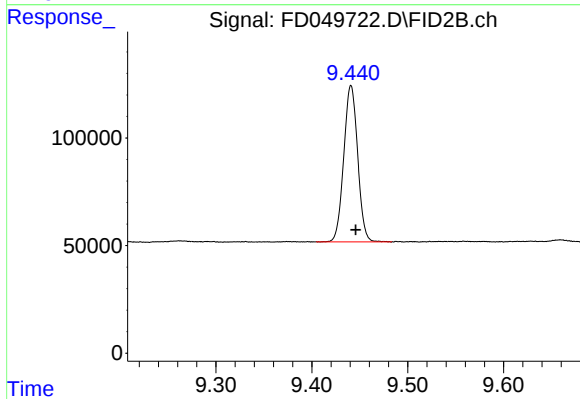
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.561 min
Delta R.T.: -0.004 min
Response: 420895
Conc: 5.19 ug/ml



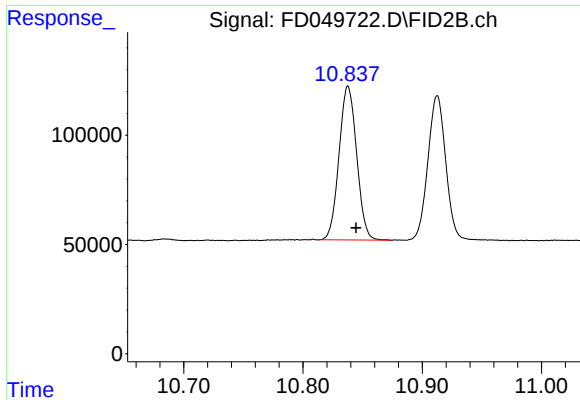
#7 Acenaphthene (C15.5)

R.T.: 8.659 min
Delta R.T.: -0.005 min
Response: 740977
Conc: 5.31 ug/ml



#8 Fluorene (C16.55)

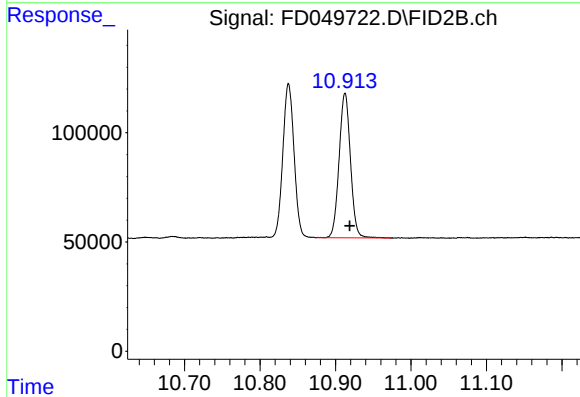
R.T.: 9.441 min
Delta R.T.: -0.005 min
Response: 735487
Conc: 5.24 ug/ml



#9 Phenanthrene (C19.36)

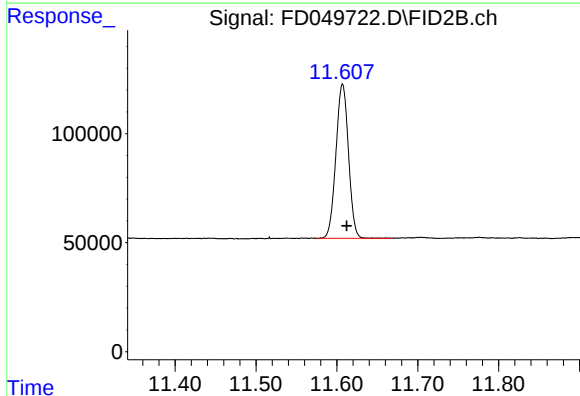
R.T.: 10.838 min
Delta R.T.: -0.007 min
Response: 722864
Conc: 5.09 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5



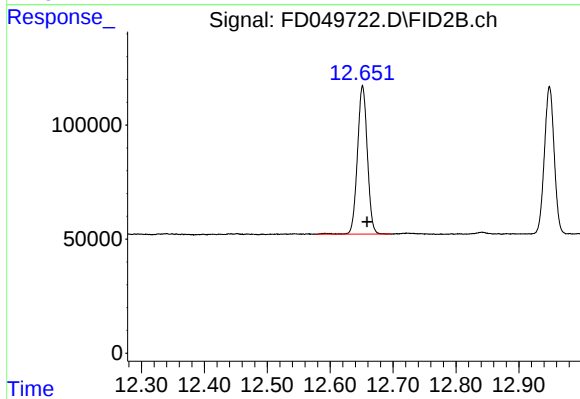
#10 Anthracene (C19.43)

R.T.: 10.913 min
Delta R.T.: -0.007 min
Response: 692408
Conc: 5.16 ug/ml



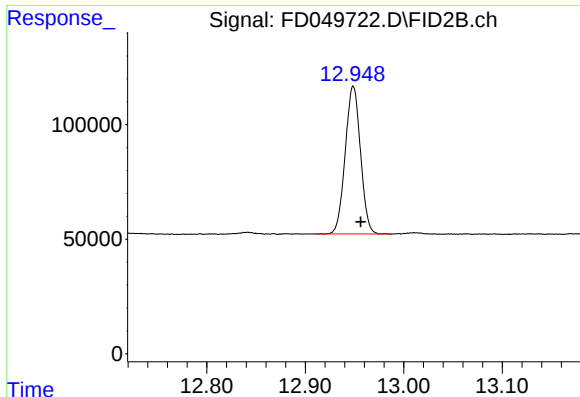
#11 ortho-Terphenyl (SURR)

R.T.: 11.607 min
Delta R.T.: -0.005 min
Response: 762216
Conc: 5.32 ug/ml



#12 Fluoranthene (C21.85)

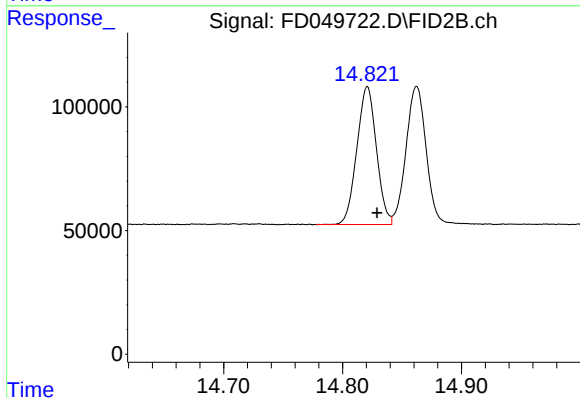
R.T.: 12.652 min
Delta R.T.: -0.007 min
Response: 709917
Conc: 5.20 ug/ml



#13 Pyrene (C20.8)

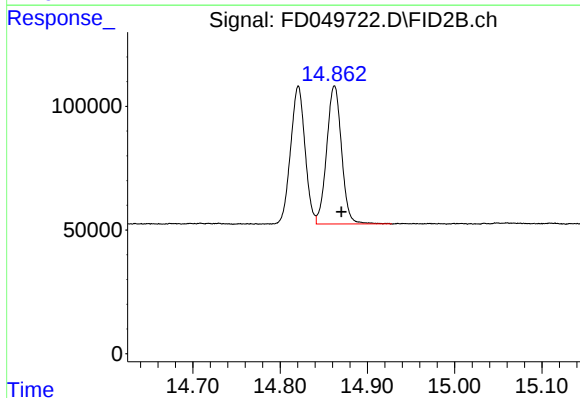
R.T.: 12.949 min
Delta R.T.: -0.008 min
Response: 695929
Conc: 5.16 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5



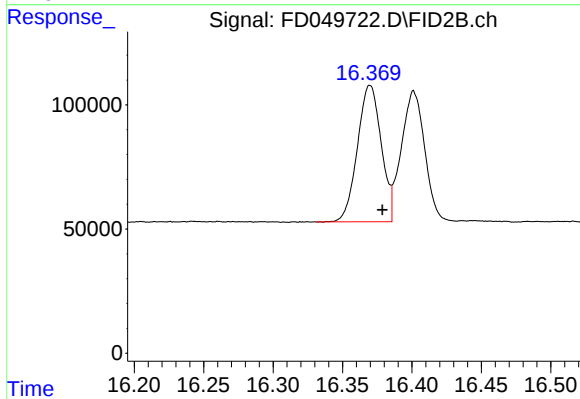
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.821 min
Delta R.T.: -0.008 min
Response: 637941
Conc: 5.30 ug/ml



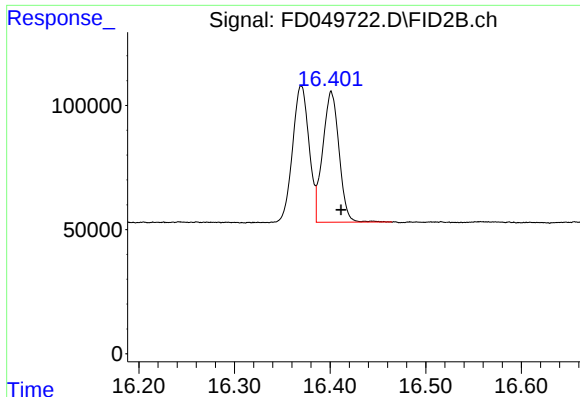
#15 Chrysene (C27.41)

R.T.: 14.862 min
Delta R.T.: -0.008 min
Response: 661550
Conc: 5.42 ug/ml



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

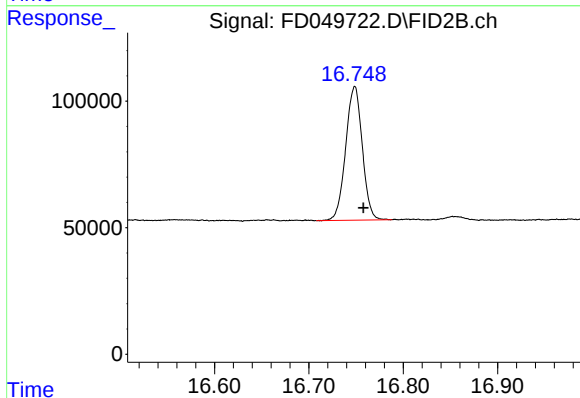
R.T.: 16.370 min
Delta R.T.: -0.009 min
Response: 653575
Conc: 5.41 ug/ml



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

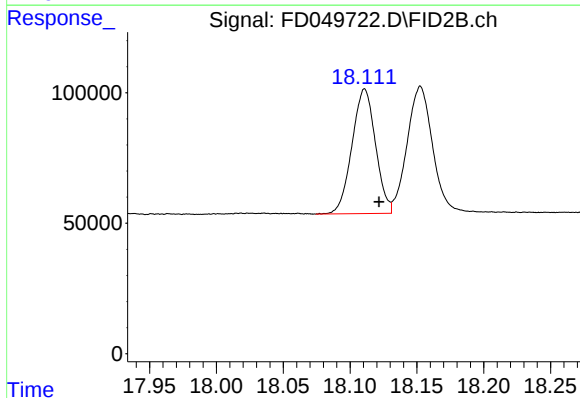
R.T.: 16.401 min
Delta R.T.: -0.010 min
Response: 620851
Conc: 5.43 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5



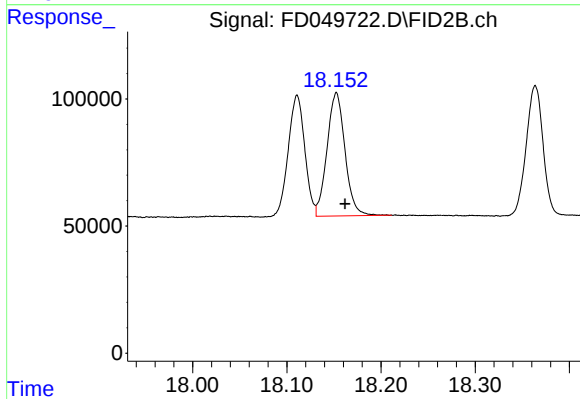
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.748 min
Delta R.T.: -0.010 min
Response: 644952
Conc: 5.41 ug/ml



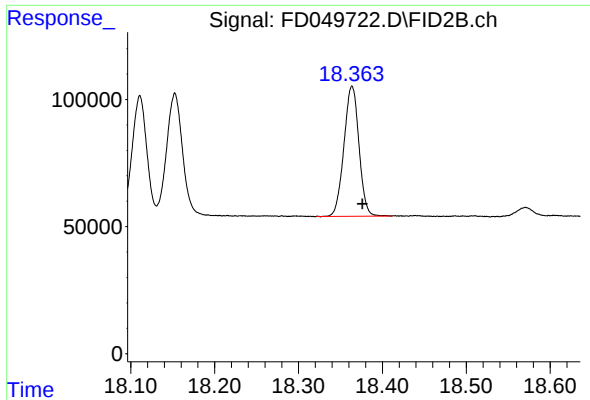
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.111 min
Delta R.T.: -0.011 min
Response: 584175
Conc: 5.27 ug/ml



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

R.T.: 18.152 min
Delta R.T.: -0.009 min
Response: 643201
Conc: 5.47 ug/ml



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

R.T.: 18.364 min
Delta R.T.: -0.013 min
Response: 635196
Conc: 5.33 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD090425AR\
Data File : FD049722.D
Signal(s) : FID2B.ch
Acq On : 04 Sep 2025 12:19
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 090425.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	4.489	4.464	4.534	BB	68364	591988	77.67%	4.274%
2	6.032	6.004	6.094	BB	72868	667521	87.58%	4.819%
3	7.086	7.048	7.148	BB	70940	692097	90.80%	4.996%
4	7.697	7.661	7.738	BB	61552	596288	78.23%	4.305%
5	8.364	8.324	8.414	BB	76666	742304	97.39%	5.359%
6	8.561	8.511	8.614	BB	42276	420895	55.22%	3.038%
7	8.659	8.631	8.718	BB	75382	740977	97.21%	5.349%
8	9.441	9.404	9.483	BB	72685	735487	96.49%	5.309%
9	10.838	10.811	10.874	BV	70347	722864	94.84%	5.218%
10	10.913	10.874	10.974	PB	65896	692408	90.84%	4.998%
11	11.607	11.574	11.668	BB	70704	762216	100.00%	5.502%
12	12.652	12.578	12.698	BV	64853	709917	93.14%	5.125%
13	12.949	12.911	12.988	BV	64502	695929	91.30%	5.024%
14	14.821	14.778	14.841	BV	55846	637941	83.70%	4.605%
15	14.862	14.841	14.928	VB	55811	661550	86.79%	4.776%
16	16.370	16.331	16.386	BV	55126	653575	85.75%	4.718%
17	16.401	16.386	16.464	VB	52548	620851	81.45%	4.482%
18	16.748	16.708	16.788	BB	52614	644952	84.62%	4.656%
19	18.111	18.074	18.131	BV	47841	584175	76.64%	4.217%
20	18.152	18.131	18.211	VB	48113	643201	84.39%	4.643%
21	18.364	18.321	18.411	BB	51167	635196	83.34%	4.585%
Sum of corrected areas:						13852330		

Aromatic EPH 090425.M Fri Sep 05 06:44:54 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD090425AR\
 Data File : FD049723.D
 Signal(s) : FID2B.ch
 Acq On : 04 Sep 2025 13:00
 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: Sep 05 06:33:19 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 090425.M
 Quant Title : GC Extractables
 QLast Update : Fri Sep 05 06:31:58 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...	7.697	2231641	19.843 ug/ml
Spiked Amount 50.000		Recovery =	39.69%
6) S 2-Fluorobiphenyl (SURR)	8.562	1599409	19.925 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	39.85%
11) S ortho-Terphenyl (SURR)	11.609	2804214	19.820 ug/ml
Spiked Amount 50.000		Recovery =	39.64%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.487	2140546	19.865 ug/ml
2) T Naphthalene (C11.7)	6.031	2479492	19.938 ug/ml
3) T 2-Methylnaphthalene (...)	7.086	2596693	19.924 ug/ml
5) T Acenaphthylene (C15.06)	8.365	2749499	19.832 ug/ml
7) T Acenaphthene (C15.5)	8.661	2751173	19.846 ug/ml
8) T Flouorene (C16.55)	9.442	2761041	19.905 ug/ml
9) T Phenanthrene (C19.36)	10.840	2765682	19.854 ug/ml
10) T Anthracene (C19.43)	10.915	2617228	19.821 ug/ml
12) T Fluoranthene (C21.85)	12.655	2654106	19.708 ug/ml
13) T Pyrene (C20.8)	12.952	2629491	19.767 ug/ml
14) T Benzo[a]anthracene (C...	14.824	2340110	19.569 ug/ml
15) T Chrysene (C27.41)	14.867	2375059	19.523 ug/ml
16) T benzo[b]fluoranthene ...	16.375	2350033	19.605 ug/ml
17) T Bnezo[k]fluoranthene ...	16.407	2218226	19.687 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.754	2314710	19.725 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.117	2138000	19.652 ug/ml
20) T Dibenz[a,h]anthracene...	18.158	2236318	19.626 ug/ml
21) T Benzo[g,h,i]perylene ...	18.373	2303694	19.798 ug/ml

(f)=RT Delta > 1/2 Window

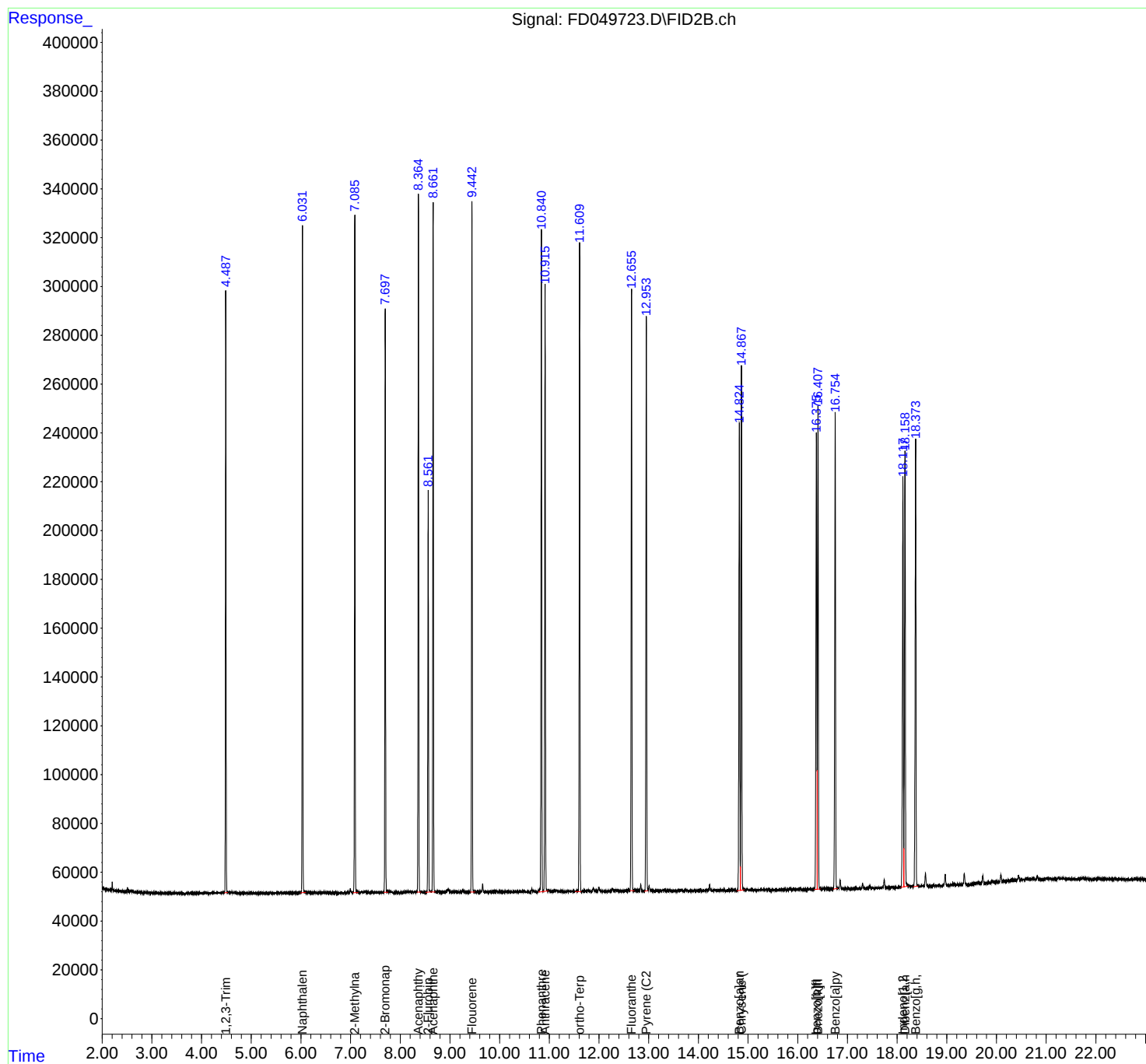
(m)=manual int.

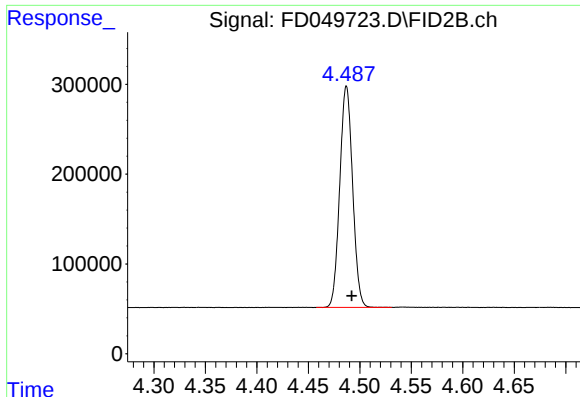
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD090425AR\
Data File : FD049723.D
Signal(s) : FID2B.ch
Acq On : 04 Sep 2025 13:00
Operator : YP/AJ
Sample : 20 PPM AROMATIC HC STD ICV
Misc :
ALS Vial : 66 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD ICV

Integration File: autoint1.e
Quant Time: Sep 05 06:33:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 090425.M
Quant Title : GC Extractables
QLast Update : Fri Sep 05 06:31:58 2025
Response via : Initial Calibration
Integrator: ChemStation

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

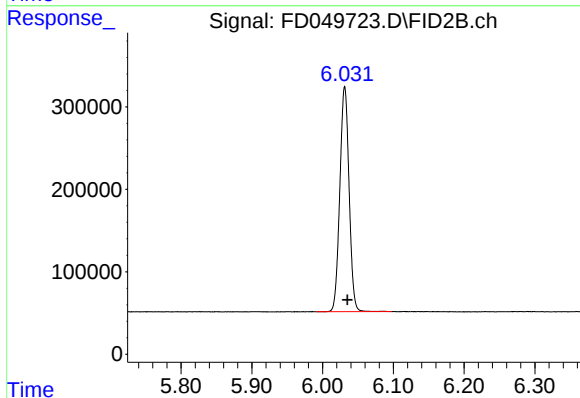




#1 1,2,3-Trimethylbenzene (C10.1)

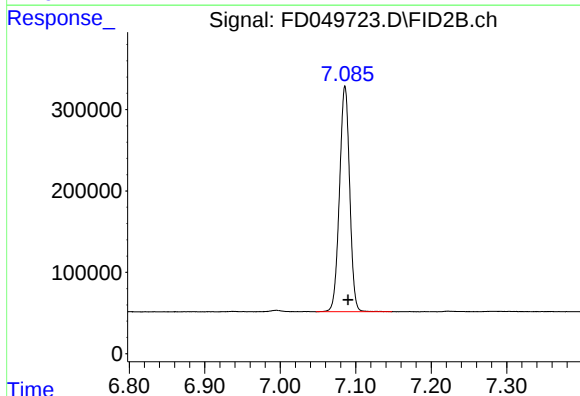
R.T.: 4.487 min
Delta R.T.: -0.005 min
Response: 2140546
Conc: 19.87 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD ICV



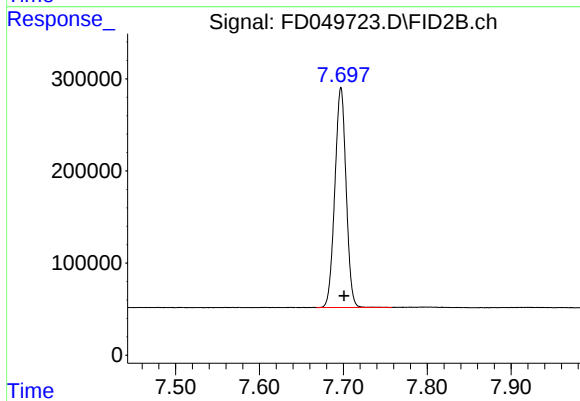
#2 Naphthalene (C11.7)

R.T.: 6.031 min
Delta R.T.: -0.004 min
Response: 2479492
Conc: 19.94 ug/ml



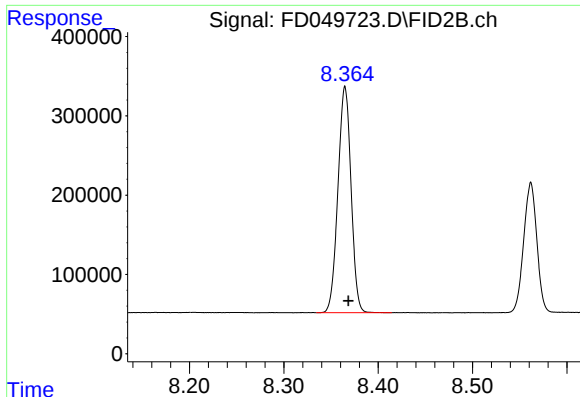
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.086 min
Delta R.T.: -0.004 min
Response: 2596693
Conc: 19.92 ug/ml



#4 2-Bromonaphthalene (SURR)

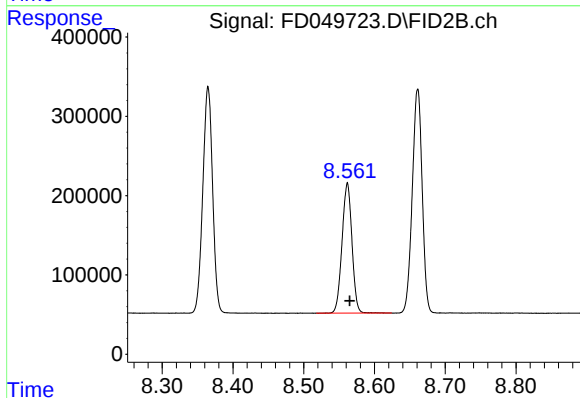
R.T.: 7.697 min
Delta R.T.: -0.004 min
Response: 2231641
Conc: 19.84 ug/ml



#5 Acenaphthylene (C15.06)

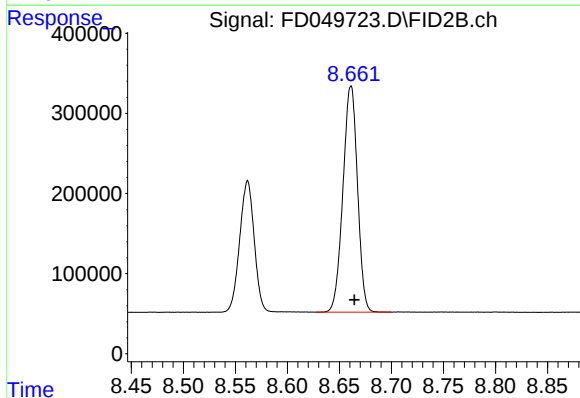
R.T.: 8.365 min
Delta R.T.: -0.004 min
Response: 2749499
Conc: 19.83 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD ICV



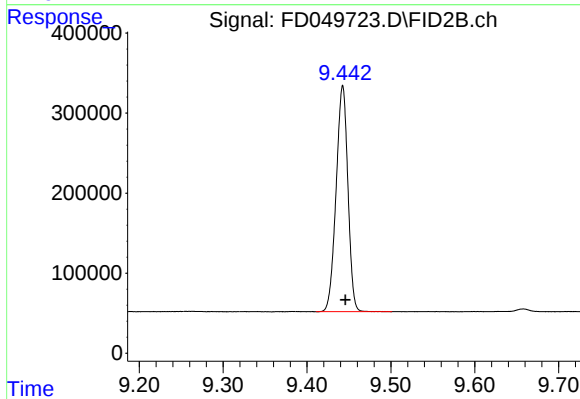
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.562 min
Delta R.T.: -0.004 min
Response: 1599409
Conc: 19.93 ug/ml



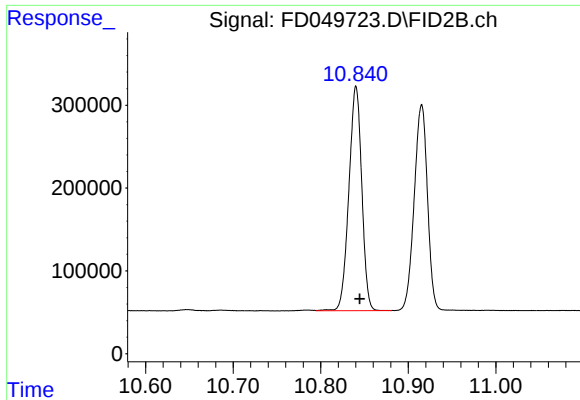
#7 Acenaphthene (C15.5)

R.T.: 8.661 min
Delta R.T.: -0.004 min
Response: 2751173
Conc: 19.85 ug/ml



#8 Fluorene (C16.55)

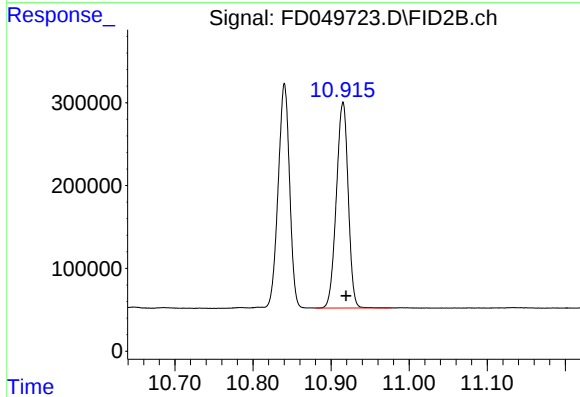
R.T.: 9.442 min
Delta R.T.: -0.003 min
Response: 2761041
Conc: 19.90 ug/ml



#9 Phenanthrene (C19.36)

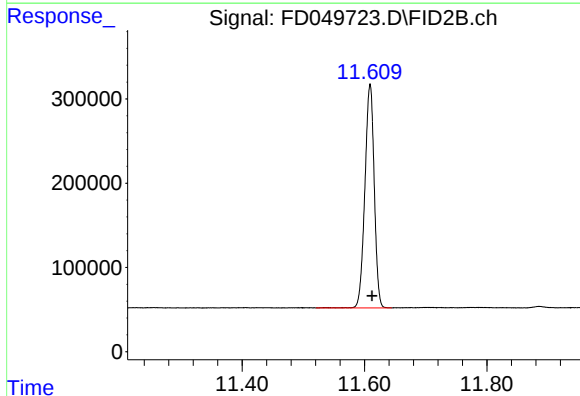
R.T.: 10.840 min
Delta R.T.: -0.004 min
Response: 2765682
Conc: 19.85 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD ICV



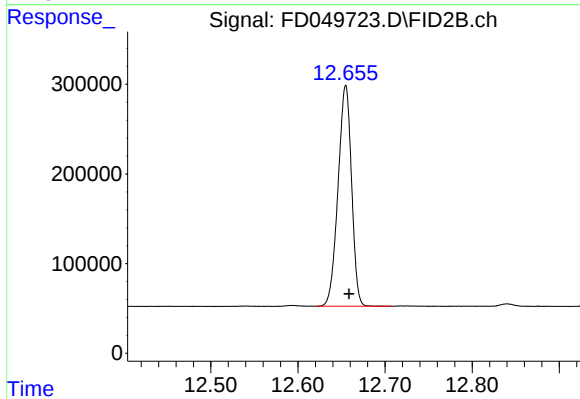
#10 Anthracene (C19.43)

R.T.: 10.915 min
Delta R.T.: -0.004 min
Response: 2617228
Conc: 19.82 ug/ml



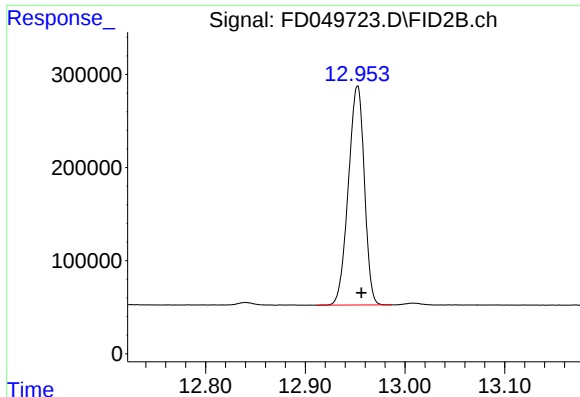
#11 ortho-Terphenyl (SURR)

R.T.: 11.609 min
Delta R.T.: -0.003 min
Response: 2804214
Conc: 19.82 ug/ml



#12 Fluoranthene (C21.85)

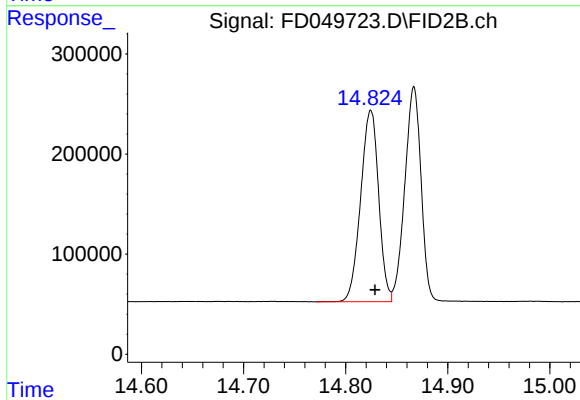
R.T.: 12.655 min
Delta R.T.: -0.004 min
Response: 2654106
Conc: 19.71 ug/ml



#13 Pyrene (C20.8)

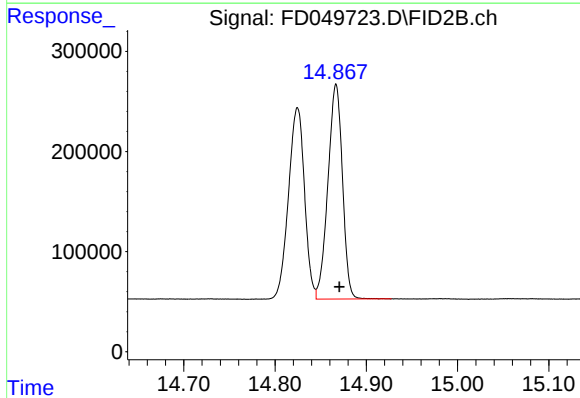
R.T.: 12.952 min
Delta R.T.: -0.004 min
Response: 2629491
Conc: 19.77 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD ICV



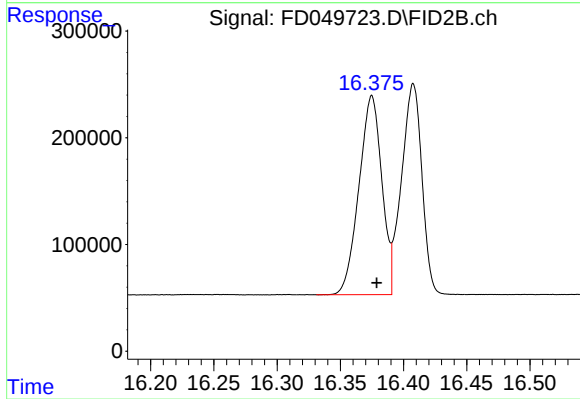
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.824 min
Delta R.T.: -0.005 min
Response: 2340110
Conc: 19.57 ug/ml



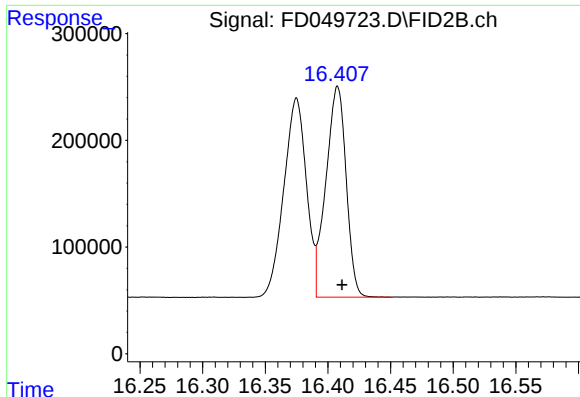
#15 Chrysene (C27.41)

R.T.: 14.867 min
Delta R.T.: -0.004 min
Response: 2375059
Conc: 19.52 ug/ml



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

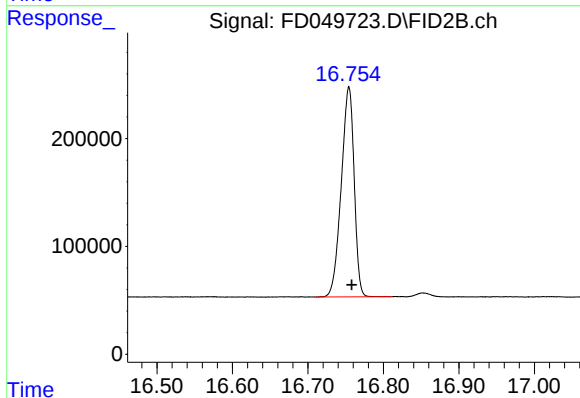
R.T.: 16.375 min
Delta R.T.: -0.004 min
Response: 2350033
Conc: 19.61 ug/ml



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

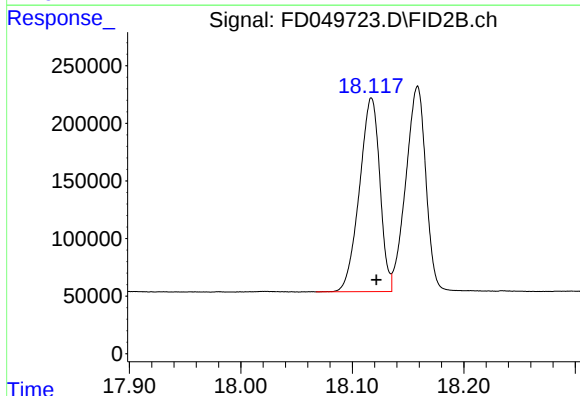
R.T.: 16.407 min
Delta R.T.: -0.004 min
Response: 2218226
Conc: 19.69 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD ICV



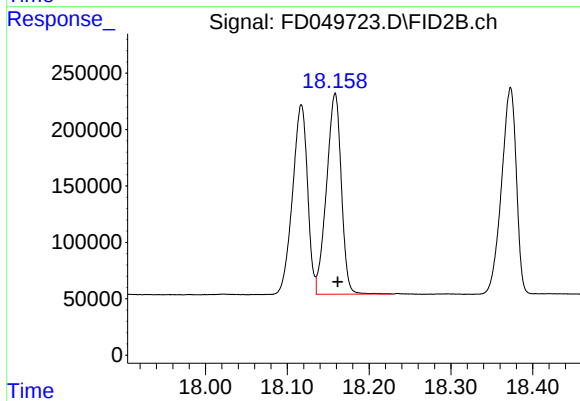
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.754 min
Delta R.T.: -0.004 min
Response: 2314710
Conc: 19.73 ug/ml



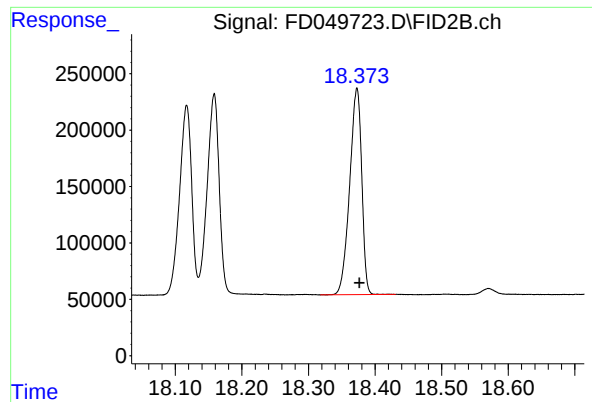
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.117 min
Delta R.T.: -0.005 min
Response: 2138000
Conc: 19.65 ug/ml



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

R.T.: 18.158 min
Delta R.T.: -0.004 min
Response: 2236318
Conc: 19.63 ug/ml



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

R.T.: 18.373 min
Delta R.T.: -0.004 min
Response: 2303694
Conc: 19.80 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD ICV

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD090425AR\
 Data File : FD049723.D
 Signal(s) : FID2B.ch
 Acq On : 04 Sep 2025 13:00
 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 090425.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	4.487	4.458	4.531	BB	246115	2140546	76.33%	4.193%
2	6.031	5.991	6.098	BB	272485	2479492	88.42%	4.856%
3	7.086	7.048	7.148	BB	275318	2596693	92.60%	5.086%
4	7.697	7.668	7.758	BB	239042	2231641	79.58%	4.371%
5	8.365	8.334	8.414	BB	284957	2749499	98.05%	5.385%
6	8.562	8.518	8.624	BB	162641	1599409	57.04%	3.133%
7	8.661	8.628	8.700	BB	283355	2751173	98.11%	5.389%
8	9.442	9.411	9.501	BB	279347	2761041	98.46%	5.408%
9	10.840	10.795	10.881	VV	271275	2765682	98.63%	5.417%
10	10.915	10.881	10.978	VB	247545	2617228	93.33%	5.126%
11	11.609	11.521	11.644	BB	263980	2804214	100.00%	5.492%
12	12.655	12.621	12.708	BB	246534	2654106	94.65%	5.198%
13	12.952	12.911	12.987	BV	234856	2629491	93.77%	5.150%
14	14.824	14.771	14.845	BV	191324	2340110	83.45%	4.583%
15	14.867	14.845	14.928	VB	215019	2375059	84.70%	4.652%
16	16.375	16.331	16.391	BV	186222	2350033	83.80%	4.603%
17	16.408	16.391	16.451	VB	198031	2218226	79.10%	4.345%
18	16.754	16.711	16.811	BB	195320	2314710	82.54%	4.534%
19	18.117	18.068	18.135	BV	168949	2138000	76.24%	4.188%
20	18.158	18.135	18.228	VB	177787	2236318	79.75%	4.380%
21	18.373	18.318	18.431	BB	181688	2303694	82.15%	4.512%
Sum of corrected areas:						51056365		

Aromatic EPH 090425.M Fri Sep 05 06:45:12 2025