

Initial Calibration Report for SequenceID : FD052425AR

AreaCount

Parameter Range	FD049394.D	FD049395.D	FD049396.D	FD049397.D	FD049398.D	
Aromatic C10-C12	33764721.000	17376581.000	6841824.000	3407467.000	1527158.000	
Aromatic C12-C16	56774252.000	29126947.000	11503062.000	5758553.000	2557965.000	
Aromatic C16-C21	74538707.000	38370069.000	15220909.000	7574275.000	3317737.000	
Aromatic C21-C36	130351882.000	67018652.000	26858131.000	13411159.000	5998437.000	
Aromatic EPH	295429562.000	151892249.000	60423926.000	30151454.000	13401297.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aromatic C10-C12	167344.833	5.002				
Aromatic C12-C16	187525.5239996	5.151				
Aromatic C16-C21	184740.44	5.807				
Aromatic C21-C36	145057.8157772	4.704				
Aromatic EPH	163430.4633328	5.084				

Concentration

Parameter Range	FD049394.D	FD049395.D	FD049396.D	FD049397.D	FD049398.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	FD049394.D	FD049395.D	FD049396.D	FD049397.D	FD049398.D	
Aromatic C10-C12	168823.605000	173765.810000	171045.600000	170373.350000	152715.800000	
Aromatic C12-C16	189247.506666	194179.646666	191717.700000	191951.766666	170531.000000	
Aromatic C16-C21	186346.767500	191850.345000	190261.362500	189356.875000	165886.850000	
Aromatic C21-C36	144835.424444	148930.337777	149211.838888	149012.877777	133298.600000	
Aromatic EPH	164127.534444	168769.165555	167844.238888	167508.077777	148903.300000	

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD052425AR\
 Data File : FD049394.D
 Signal(s) : FID2B.ch
 Acq On : 23 May 2025 14:50
 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 05/27/2025
 Supervised By :mohammad ahmed 05/28/2025

Integration File: autoint1.e
 Quant Time: May 27 03:02:24 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 052425.M
 Quant Title : GC Extractables
 QLast Update : Tue May 27 03:01:40 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...	7.745	16840933	99.064 ug/ml
Spiked Amount 50.000		Recovery =	198.13%
6) S 2-Fluorobiphenyl (SURR)	8.613	11672568	99.598 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	199.20%#
11) S ortho-Terphenyl (SURR)	11.660	19768043	95.769 ug/ml
Spiked Amount 50.000		Recovery =	191.54%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.532	15937594	97.830 ug/ml
2) T Naphthalene (C11.7)	6.080	17827127	99.493 ug/ml
3) T 2-Methylnaphthalene (...)	7.136	18177404	99.720 ug/ml
5) T Acenaphthylene (C15.06)	8.417	19487572	98.301 ug/ml
7) T Acenaphthene (C15.5)	8.716	19109276	98.186 ug/ml
8) T Flouorene (C16.55)	9.497	19673567	98.045 ug/ml
9) T Phenanthrene (C19.36)	10.897	19103598	97.493 ug/ml
10) T Anthracene (C19.43)	10.974	17836442	99.127 ug/ml
12) T Fluoranthene (C21.85)	12.714	18198036	97.497 ug/mlm
13) T Pyrene (C20.8)	13.014	17925100	97.154 ug/ml
14) T Benzo[a]anthracene (C...	14.884	15566691	99.220 ug/ml
15) T Chrysene (C27.41)	14.933	15430910	98.422 ug/ml
16) T benzo[b]fluoranthene ...	16.437	14472859	97.485 ug/ml
17) T Bnezo[k]fluoranthene ...	16.478	14258865	96.600 ug/mlm
18) T Benzo[a]pyrene (C31.34)	16.821	13463550	96.418 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.187	12939061	99.227 ug/ml
20) T Dibenz[a,h]anthracene...	18.227	12789635	92.535 ug/mlm
21) T Benzo[g,h,i]perylene ...	18.450	13232275	95.704 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD052425AR\
Data File : FD049394.D
Signal(s) : FID2B.ch
Acq On : 23 May 2025 14:50
Operator : YP/AJ
Sample : 100 PPM AROMATIC HC STD1
Misc :
ALS Vial : 61 Sample Multiplier: 1

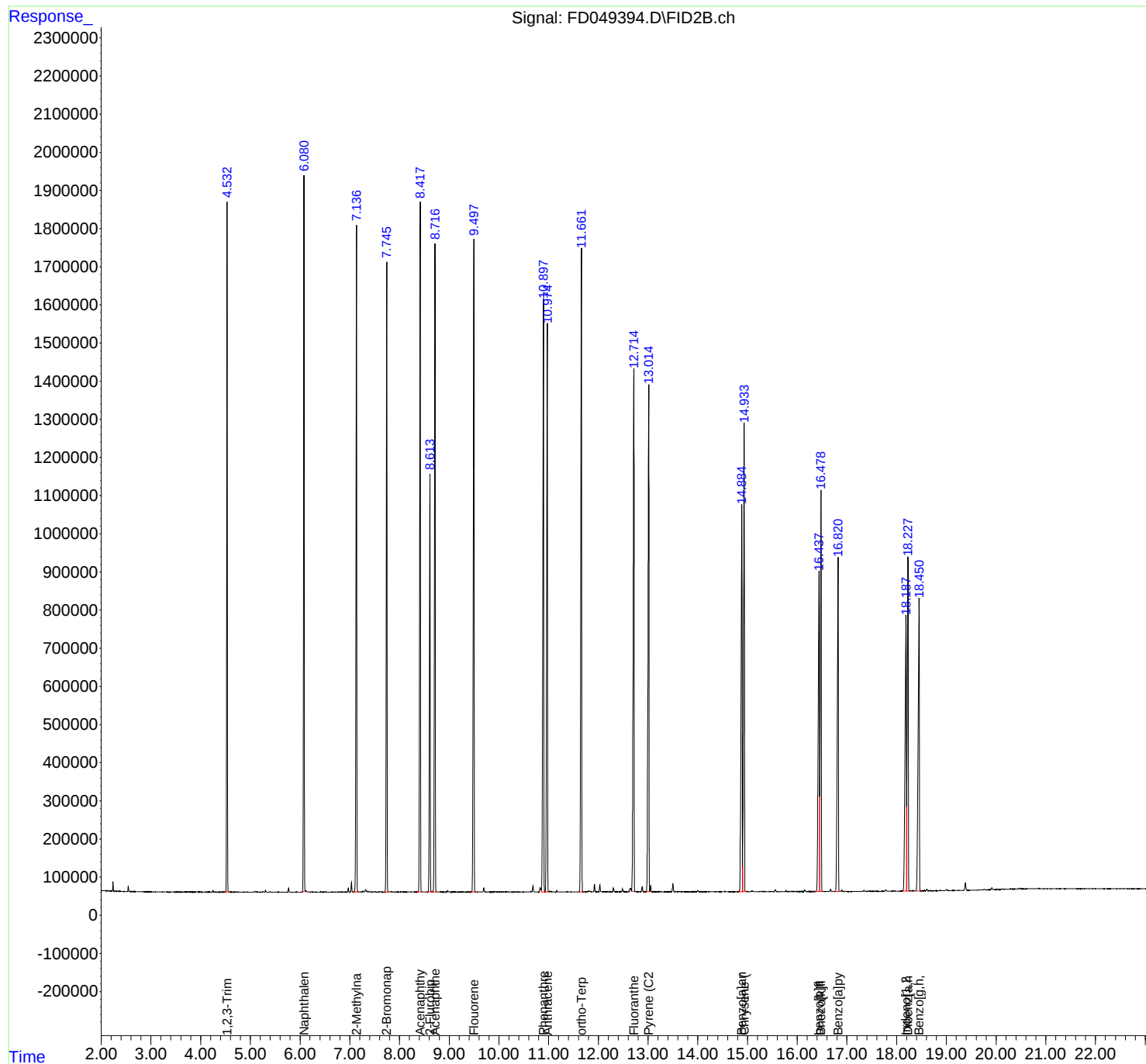
Instrument :
FID_D
ClientSampleId :
100 PPM AROMATIC HC STD1

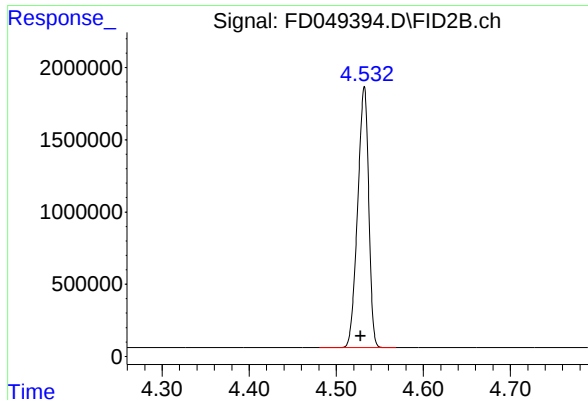
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/27/2025
Supervised By :mohammad ahmed 05/28/2025

Integration File: autoint1.e
Quant Time: May 27 03:02:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 052425.M
Quant Title : GC Extractables
QLast Update : Tue May 27 03:01:40 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.: 4.532 min
Delta R.T.: 0.004 min
Response: 15937594
Conc: 97.83 ug/ml

Instrument :

FID_D

ClientSampleId :

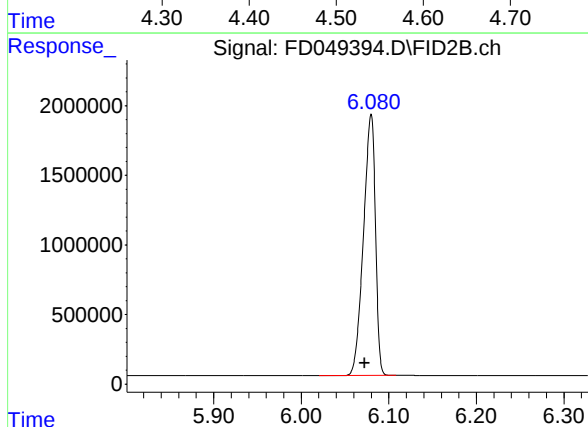
100 PPM AROMATIC HC STD1

Manual Integrations

APPROVED

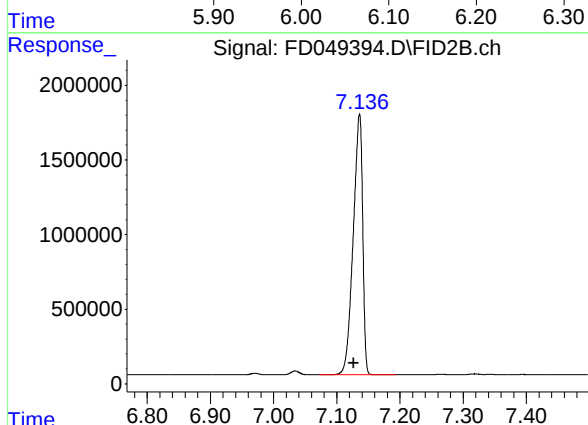
Reviewed By :Yogesh Patel 05/27/2025

Supervised By :mohammad ahmed 05/28/2025



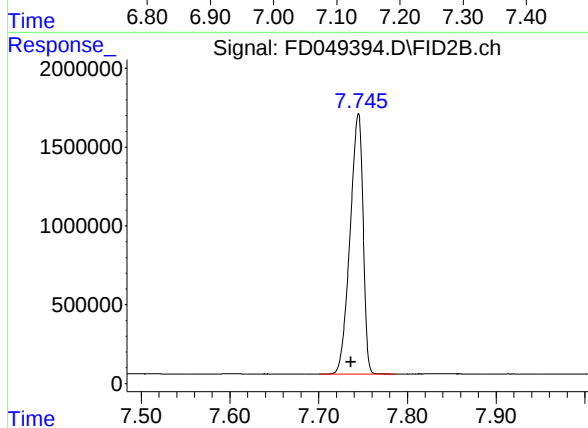
#2 Naphthalene (C11.7)

R.T.: 6.080 min
Delta R.T.: 0.007 min
Response: 17827127
Conc: 99.49 ug/ml



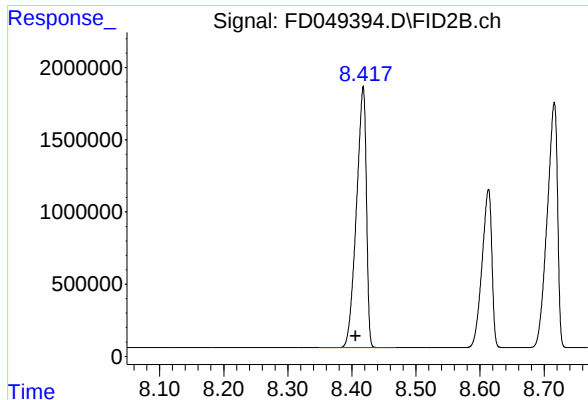
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.136 min
Delta R.T.: 0.009 min
Response: 18177404
Conc: 99.72 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.745 min
Delta R.T.: 0.008 min
Response: 16840933
Conc: 99.06 ug/ml



#5 Acenaphthylene (C15.06)

R.T.: 8.417 min
Delta R.T.: 0.011 min
Response: 19487572
Conc: 98.30 ug/ml

Instrument :

FID_D

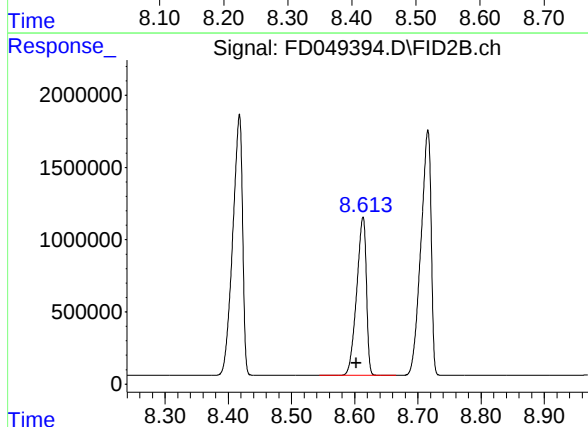
ClientSampleId :

100 PPM AROMATIC HC STD1

Manual Integrations

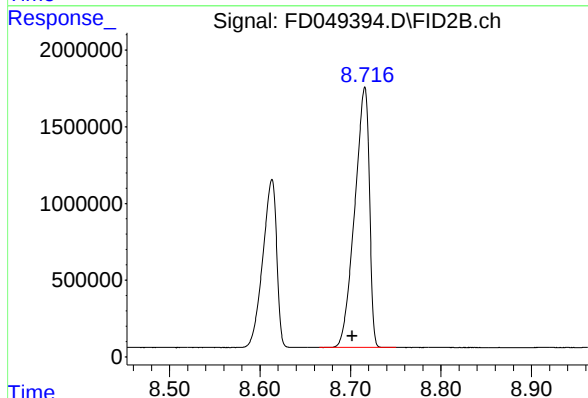
APPROVED

Reviewed By :Yogesh Patel 05/27/2025
Supervised By :mohammad ahmed 05/28/2025



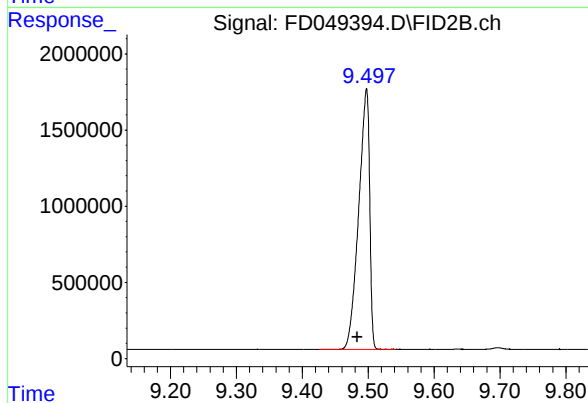
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.613 min
Delta R.T.: 0.011 min
Response: 11672568
Conc: 99.60 ug/ml



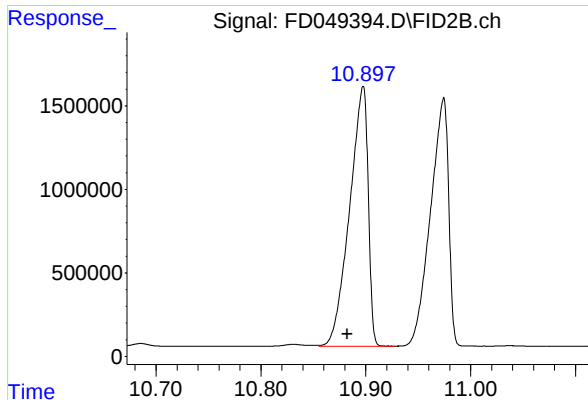
#7 Acenaphthene (C15.5)

R.T.: 8.716 min
Delta R.T.: 0.013 min
Response: 19109276
Conc: 98.19 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.497 min
Delta R.T.: 0.014 min
Response: 19673567
Conc: 98.04 ug/ml



#9 Phenanthrene (C19.36)

R.T.: 10.897 min
Delta R.T.: 0.015 min
Response: 19103598
Conc: 97.49 ug/ml

Instrument :

FID_D

ClientSampleId :

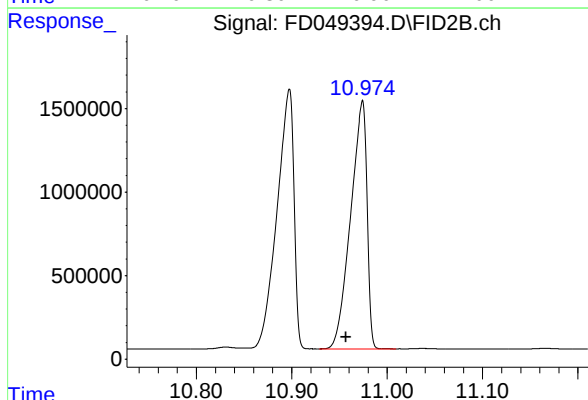
100 PPM AROMATIC HC STD1

Manual Integrations

APPROVED

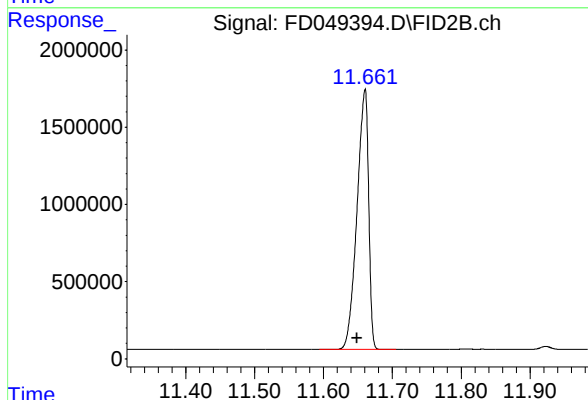
Reviewed By :Yogesh Patel 05/27/2025

Supervised By :mohammad ahmed 05/28/2025



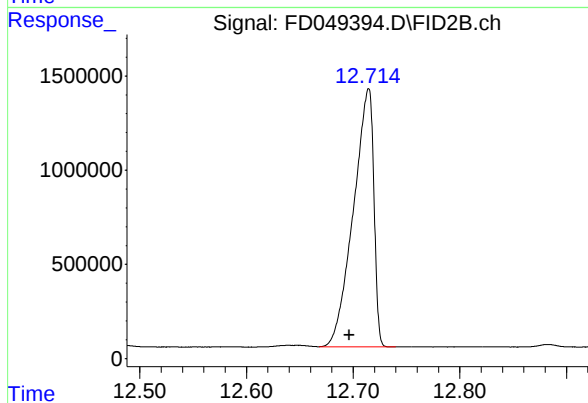
#10 Anthracene (C19.43)

R.T.: 10.974 min
Delta R.T.: 0.017 min
Response: 17836442
Conc: 99.13 ug/ml



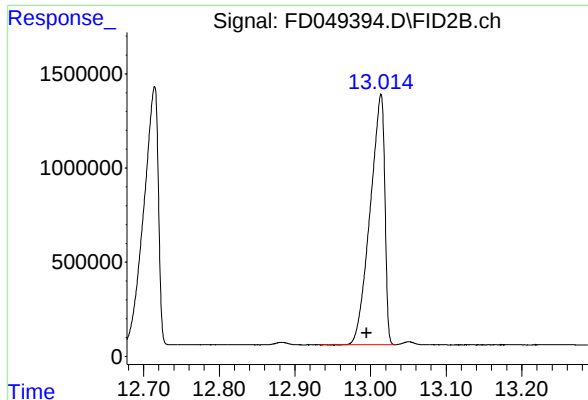
#11 ortho-Terphenyl (SURR)

R.T.: 11.660 min
Delta R.T.: 0.012 min
Response: 19768043
Conc: 95.77 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.714 min
Delta R.T.: 0.018 min
Response: 18198036
Conc: 97.50 ug/ml m



#13 Pyrene (C20.8)

R.T.: 13.014 min
Delta R.T.: 0.019 min
Response: 17925100
Conc: 97.15 ug/ml

Instrument :

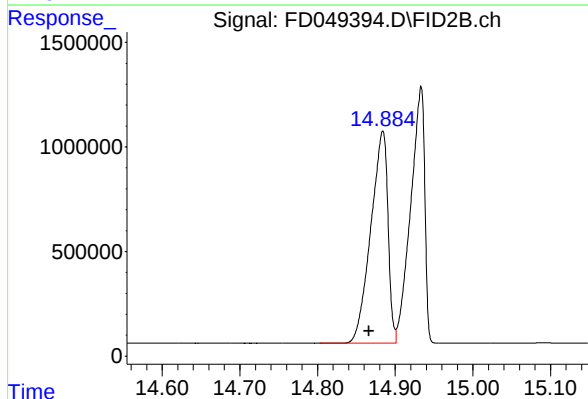
FID_D

ClientSampleId :

100 PPM AROMATIC HC STD1

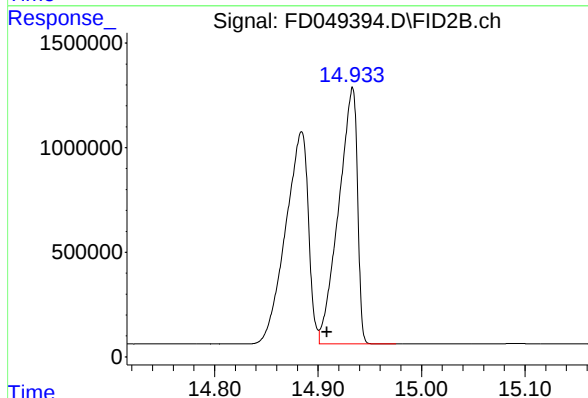
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/27/2025
Supervised By :mohammad ahmed 05/28/2025



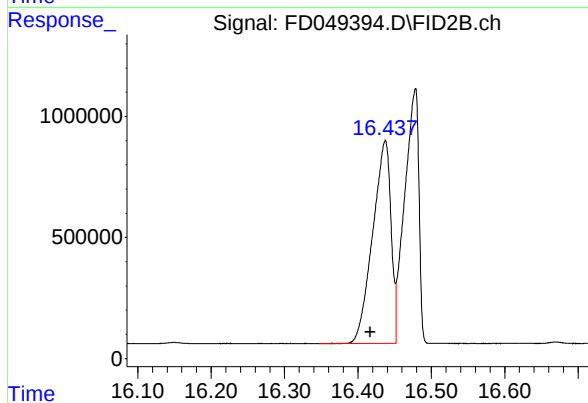
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.884 min
Delta R.T.: 0.018 min
Response: 15566691
Conc: 99.22 ug/ml



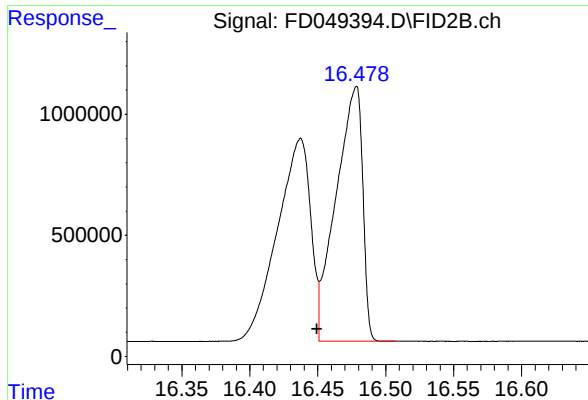
#15 Chrysene (C27.41)

R.T.: 14.933 min
Delta R.T.: 0.024 min
Response: 15430910
Conc: 98.42 ug/ml



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

R.T.: 16.437 min
Delta R.T.: 0.020 min
Response: 14472859
Conc: 97.49 ug/ml



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

R.T.: 16.478 min
Delta R.T.: 0.029 min
Response: 14258865
Conc: 96.60 ug/ml

Instrument :

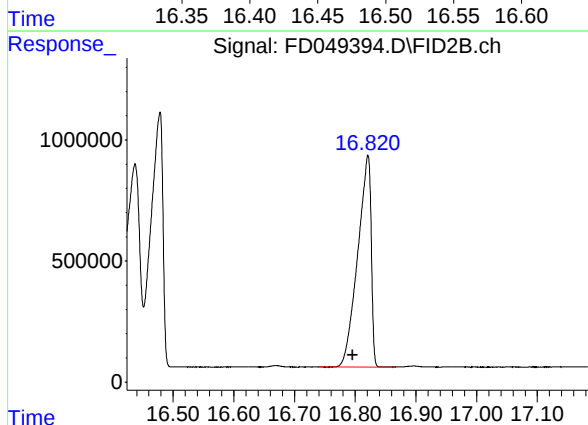
FID_D

ClientSampleId :

100 PPM AROMATIC HC STD1

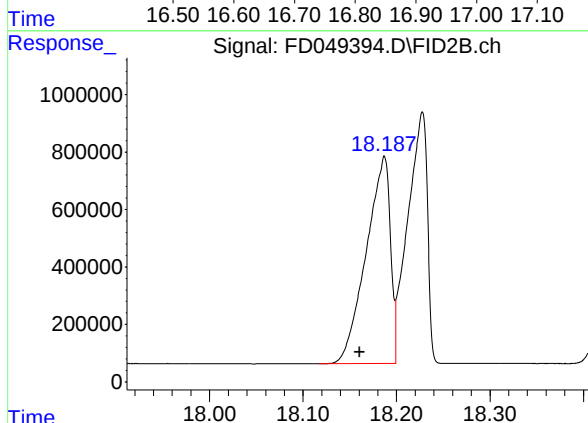
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/27/2025
Supervised By :mohammad ahmed 05/28/2025



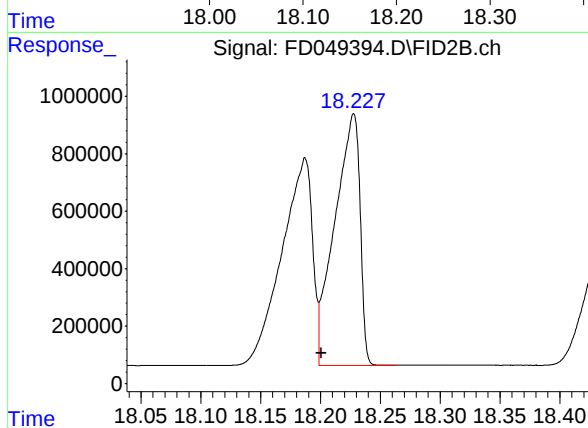
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.821 min
Delta R.T.: 0.025 min
Response: 13463550
Conc: 96.42 ug/ml



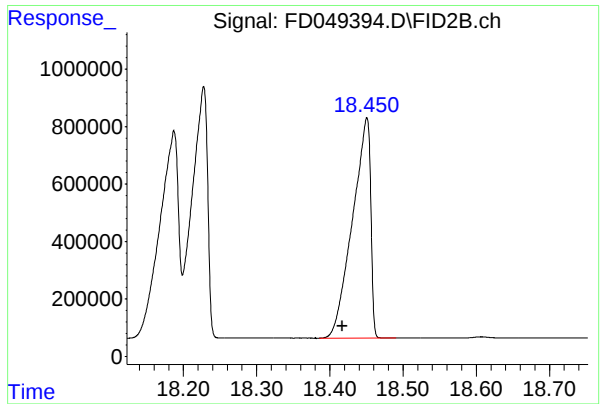
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.187 min
Delta R.T.: 0.026 min
Response: 12939061
Conc: 99.23 ug/ml



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

R.T.: 18.227 min
Delta R.T.: 0.027 min
Response: 12789635
Conc: 92.54 ug/ml m



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

R.T.: 18.450 min
Delta R.T.: 0.033 min
Response: 13232275
Conc: 95.70 ug/ml

Instrument :

FID_D

ClientSampleId :

100 PPM AROMATIC HC STD1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 05/27/2025

Supervised By :mohammad ahmed 05/28/2025

rtres

Instrument :
FID_D
LabSampleId :
100 PPM AROMATIC HC STD1
Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 05/27/2025
Supervised By :mohammad ahmed 05/28/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD05242
Data File : FD049394.D
Signal(s) : FID2B.ch
Acq On : 23 May 2025 14:50
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 052425.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	4.480	4.569	BB	1806132	15937594	80.62%	4.641%
2	6.080	6.020	6.108	BV	1885793	17827127	90.18%	5.192%
3	7.136	7.072	7.194	BB	1746133	18177404	91.95%	5.294%
4	7.745	7.700	7.787	BB	1659549	16840933	85.19%	4.904%
5	8.417	8.349	8.469	BB	1801095	19487572	98.58%	5.675%
6	8.613	8.544	8.665	BB	1099933	11672568	59.05%	3.399%
7	8.716	8.665	8.750	BB	1695355	19109276	96.67%	5.565%
8	9.497	9.425	9.542	BB	1709364	19673567	99.52%	5.729%
9	10.897	10.855	10.929	VV	1554022	19103598	96.64%	5.563%
10	10.974	10.929	11.009	VV	1478926	17836442	90.23%	5.194%
11	11.660	11.594	11.705	BB	1686104	19768043	100.00%	5.757%
12	12.714	12.650	12.769	BB	1365248	17991660	91.01%	5.239%
13	13.014	12.932	13.034	BV	1329223	17925100	90.68%	5.220%
14	14.884	14.802	14.901	BV	1014670	15566691	78.75%	4.533%
15	14.933	14.901	14.975	VB	1229961	15430910	78.06%	4.494%
16	16.437	16.347	16.452	BV	837078	14472859	73.21%	4.215%
17	16.478	16.452	16.515	VB	1057969	14189566	71.78%	4.132%
18	16.821	16.740	16.867	BV	875312	13463550	68.11%	3.921%
19	18.187	18.117	18.199	BV	722791	12939061	65.45%	3.768%
20	18.228	18.199	18.259	VB	875618	12741032	64.45%	3.710%
21	18.450	18.385	18.490	BB	767916	13232275	66.94%	3.853%
Sum of corrected areas:						343386828		

Aromatic EPH 052425.M Tue May 27 03:25:18 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD052425AR\
 Data File : FD049395.D
 Signal(s) : FID2B.ch
 Acq On : 23 May 2025 15:28
 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: May 27 03:02:42 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 052425.M
 Quant Title : GC Extractables
 QLast Update : Tue May 27 03:01:40 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...	7.740	8637317	50.807 ug/ml
Spiked Amount 50.000		Recovery =	101.61%
6) S 2-Fluorobiphenyl (SURR)	8.607	5972073	50.958 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	101.92%
11) S ortho-Terphenyl (SURR)	11.653	10263490	49.723 ug/ml
Spiked Amount 50.000		Recovery =	99.45%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.529	8242038	50.592 ug/ml
2) T Naphthalene (C11.7)	6.075	9134543	50.980 ug/ml
3) T 2-Methylnaphthalene (...)	7.130	9302353	51.032 ug/ml
5) T Acenaphthylene (C15.06)	8.411	10000645	50.446 ug/ml
7) T Acenaphthene (C15.5)	8.708	9823949	50.477 ug/ml
8) T Fluorene (C16.55)	9.489	10126525	50.466 ug/ml
9) T Phenanthrene (C19.36)	10.889	9881843	50.431 ug/ml
10) T Anthracene (C19.43)	10.965	9102390	50.587 ug/ml
12) T Fluoranthene (C21.85)	12.704	9325779	49.963 ug/ml
13) T Pyrene (C20.8)	13.004	9259311	50.185 ug/ml
14) T Benzo[a]anthracene (C...	14.874	7965496	50.771 ug/ml
15) T Chrysene (C27.41)	14.920	7925641	50.552 ug/ml
16) T benzo[b]fluoranthene ...	16.426	7432800	50.065 ug/ml
17) T Bnezo[k]fluoranthene ...	16.463	7335357	49.695 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.807	6930975	49.635 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.173	6521617	50.013 ug/ml
20) T Dibenz[a,h]anthracene...	18.214	6755665	48.878 ug/ml
21) T Benzo[g,h,i]perylene ...	18.433	6825322	49.365 ug/ml

(f)=RT Delta > 1/2 Window

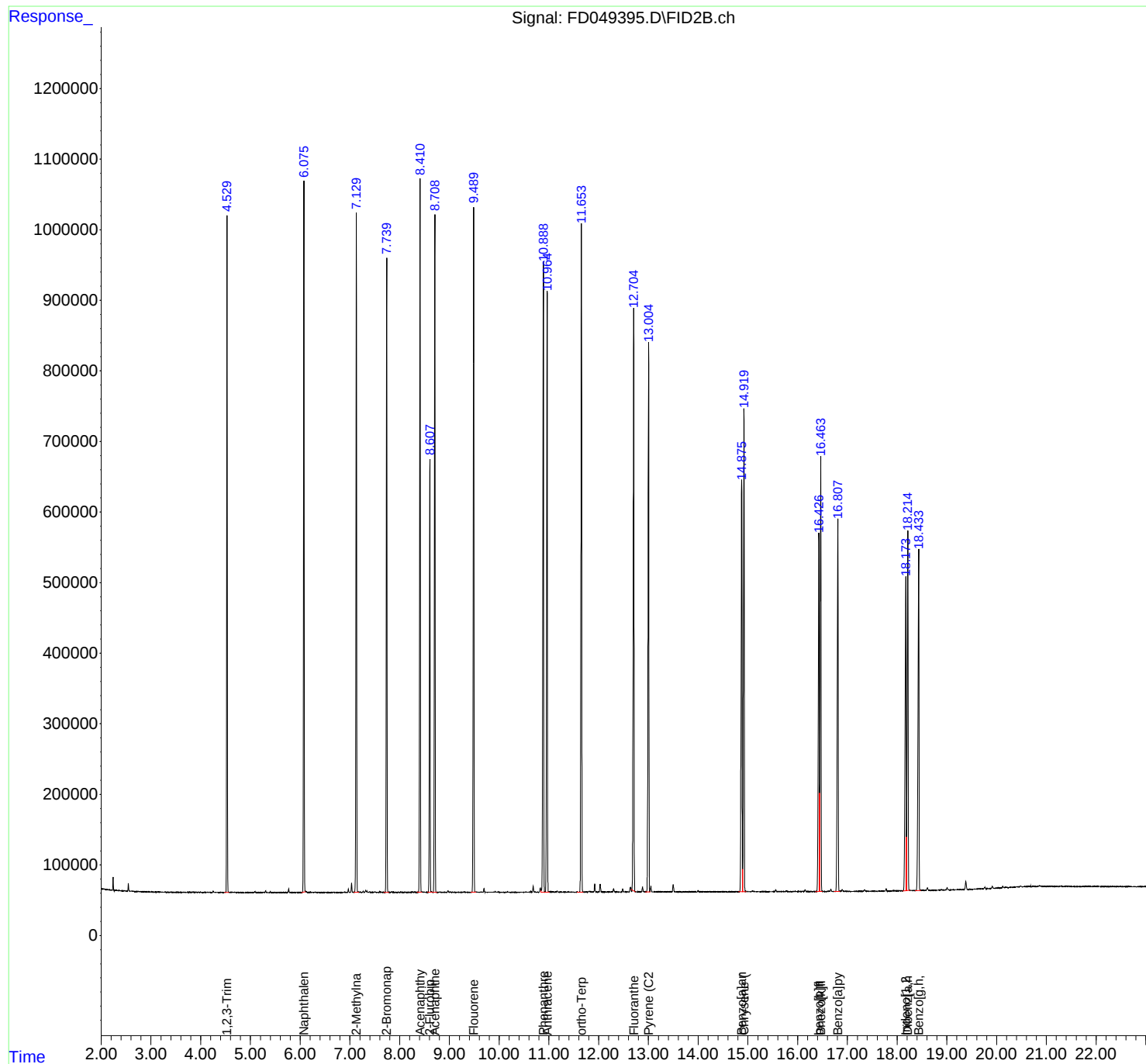
(m)=manual int.

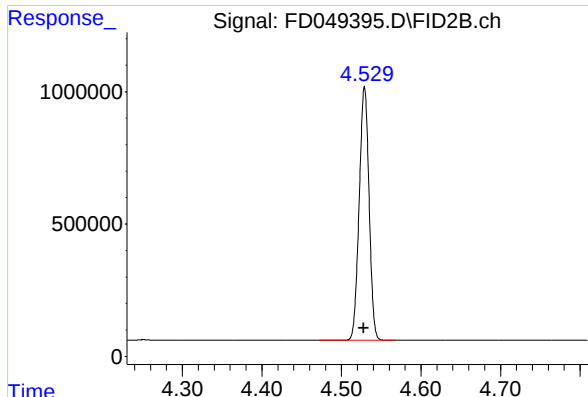
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD052425AR\
Data File : FD049395.D
Signal(s) : FID2B.ch
Acq On : 23 May 2025 15:28
Operator : YP/AJ
Sample : 50 PPM AROMATIC HC STD2
Misc :
ALS Vial : 62 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2

Integration File: autoint1.e
Quant Time: May 27 03:02:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 052425.M
Quant Title : GC Extractables
QLast Update : Tue May 27 03:01:40 2025
Response via : Initial Calibration
Integrator: ChemStation

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

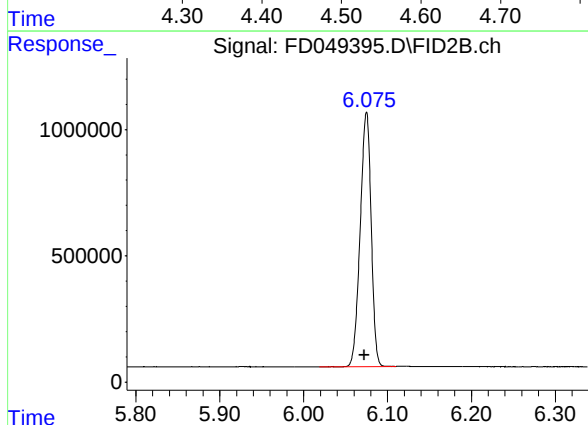




#1 1,2,3-Trimethylbenzene (C10.1)

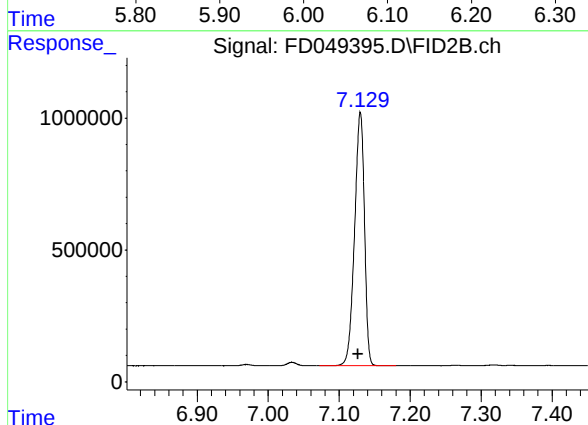
R.T.: 4.529 min
Delta R.T.: 0.001 min
Response: 8242038
Conc: 50.59 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2



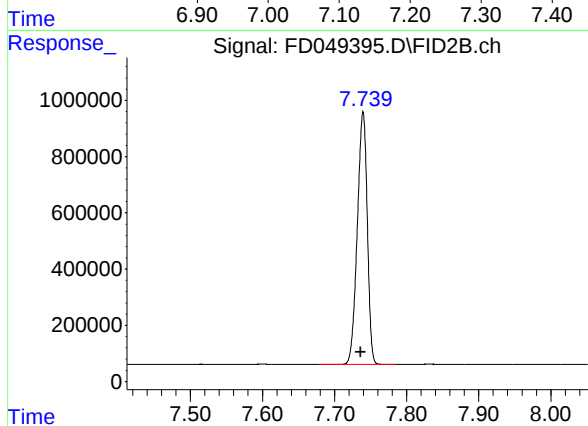
#2 Naphthalene (C11.7)

R.T.: 6.075 min
Delta R.T.: 0.003 min
Response: 9134543
Conc: 50.98 ug/ml



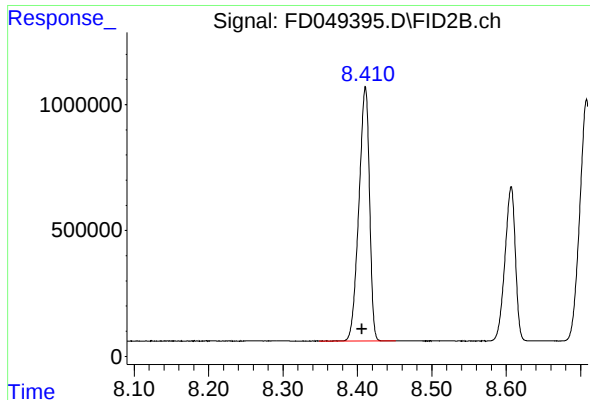
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.130 min
Delta R.T.: 0.003 min
Response: 9302353
Conc: 51.03 ug/ml



#4 2-Bromonaphthalene (SURR)

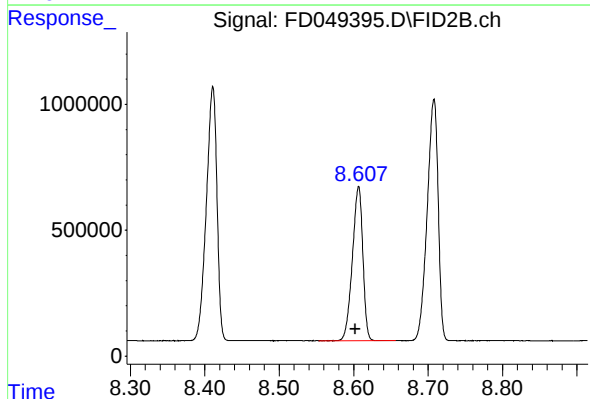
R.T.: 7.740 min
Delta R.T.: 0.003 min
Response: 8637317
Conc: 50.81 ug/ml



#5 Acenaphthylene (C15.06)

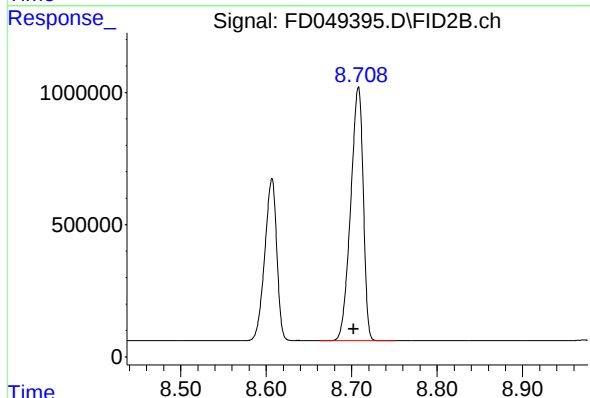
R.T.: 8.411 min
Delta R.T.: 0.005 min
Response: 10000645
Conc: 50.45 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2



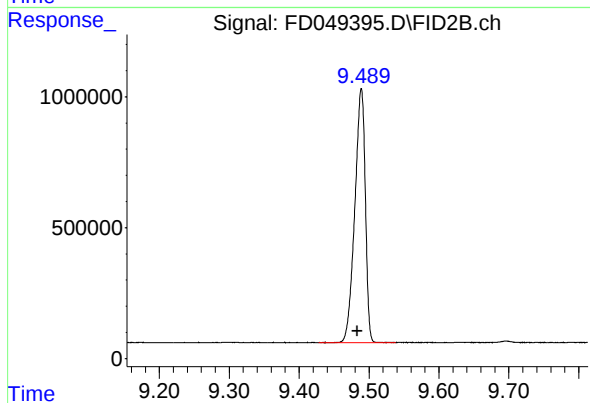
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.607 min
Delta R.T.: 0.004 min
Response: 5972073
Conc: 50.96 ug/ml



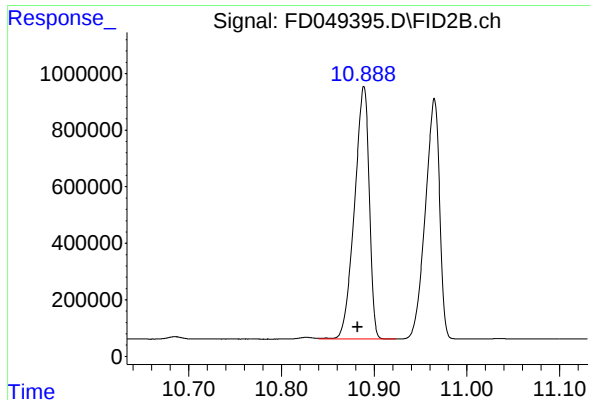
#7 Acenaphthene (C15.5)

R.T.: 8.708 min
Delta R.T.: 0.006 min
Response: 9823949
Conc: 50.48 ug/ml



#8 Flouorene (C16.55)

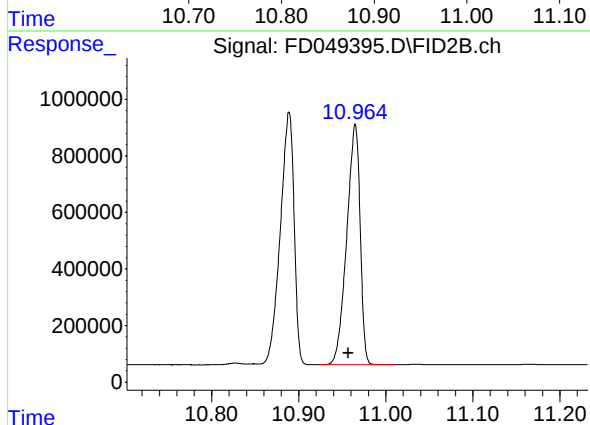
R.T.: 9.489 min
Delta R.T.: 0.006 min
Response: 10126525
Conc: 50.47 ug/ml



#9 Phenanthrene (C19.36)

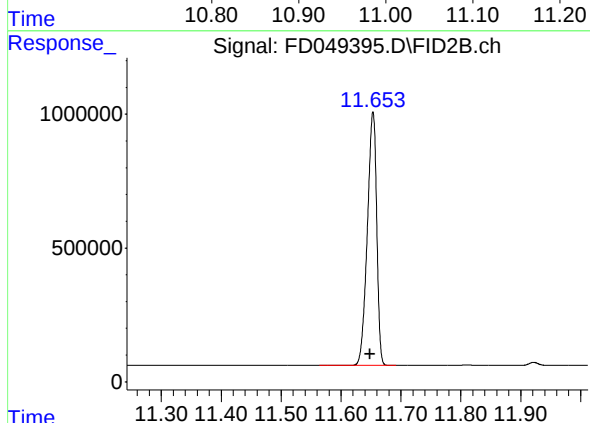
R.T.: 10.889 min
Delta R.T.: 0.007 min
Response: 9881843
Conc: 50.43 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2



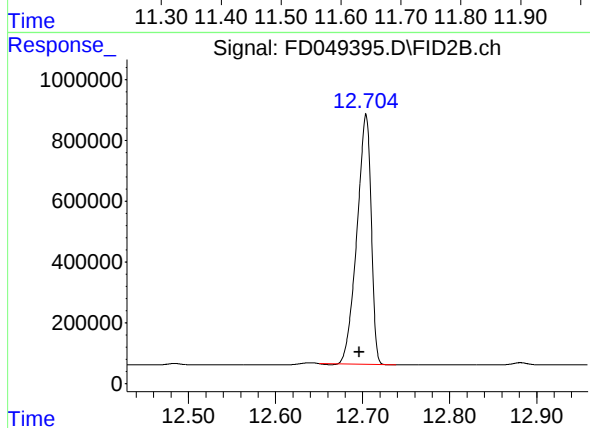
#10 Anthracene (C19.43)

R.T.: 10.965 min
Delta R.T.: 0.008 min
Response: 9102390
Conc: 50.59 ug/ml



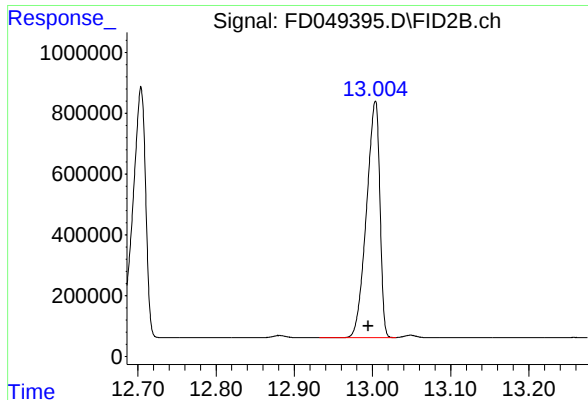
#11 ortho-Terphenyl (SURRE)

R.T.: 11.653 min
Delta R.T.: 0.005 min
Response: 10263490
Conc: 49.72 ug/ml



#12 Fluoranthene (C21.85)

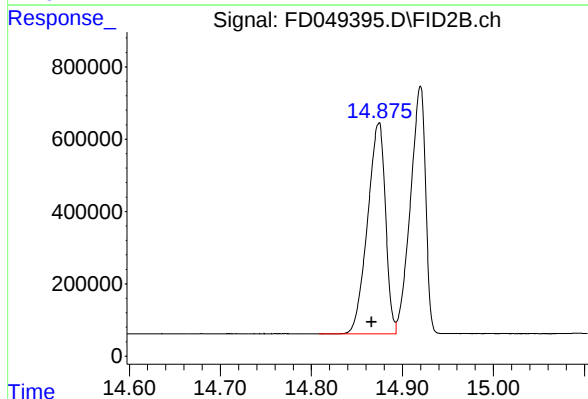
R.T.: 12.704 min
Delta R.T.: 0.007 min
Response: 9325779
Conc: 49.96 ug/ml



#13 Pyrene (C20.8)

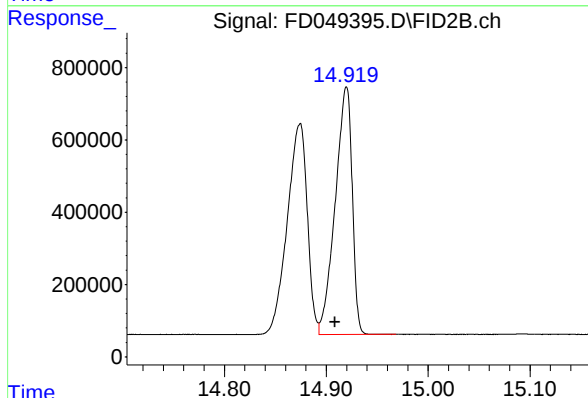
R.T.: 13.004 min
Delta R.T.: 0.009 min
Response: 9259311
Conc: 50.19 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2



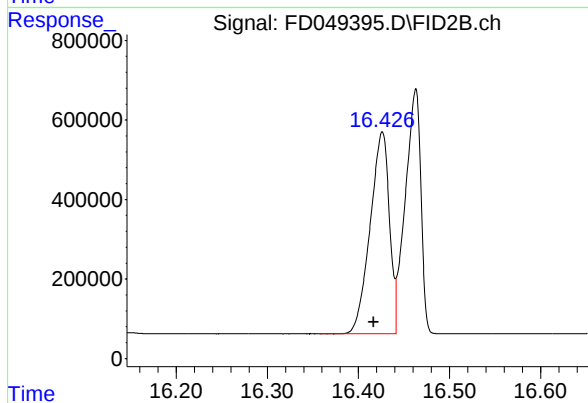
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.874 min
Delta R.T.: 0.008 min
Response: 7965496
Conc: 50.77 ug/ml



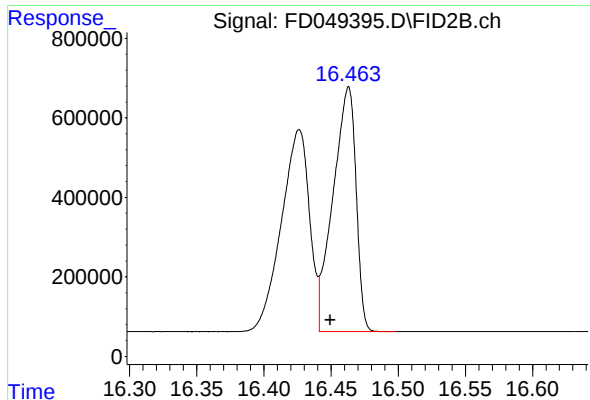
#15 Chrysene (C27.41)

R.T.: 14.920 min
Delta R.T.: 0.011 min
Response: 7925641
Conc: 50.55 ug/ml



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

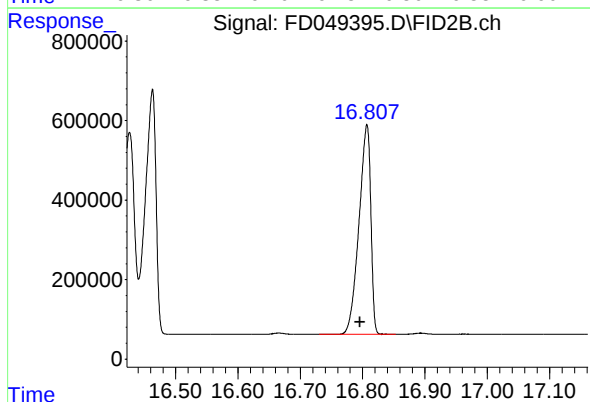
R.T.: 16.426 min
Delta R.T.: 0.009 min
Response: 7432800
Conc: 50.07 ug/ml



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

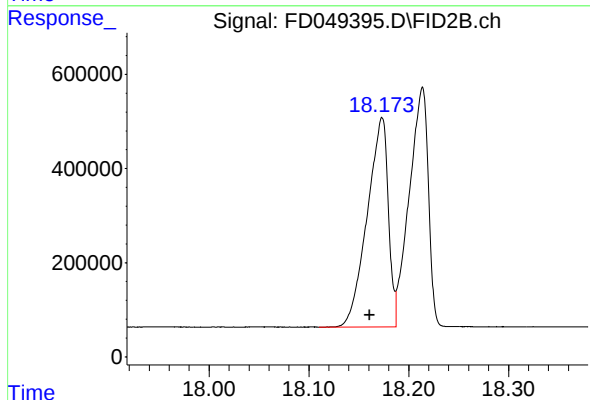
R.T.: 16.463 min
Delta R.T.: 0.014 min
Response: 7335357
Conc: 49.69 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2



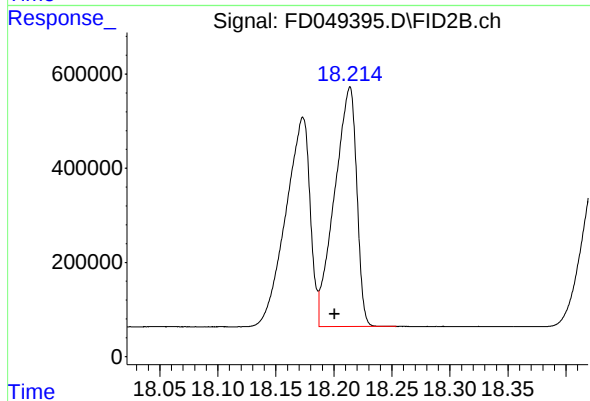
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.807 min
Delta R.T.: 0.011 min
Response: 6930975
Conc: 49.64 ug/ml



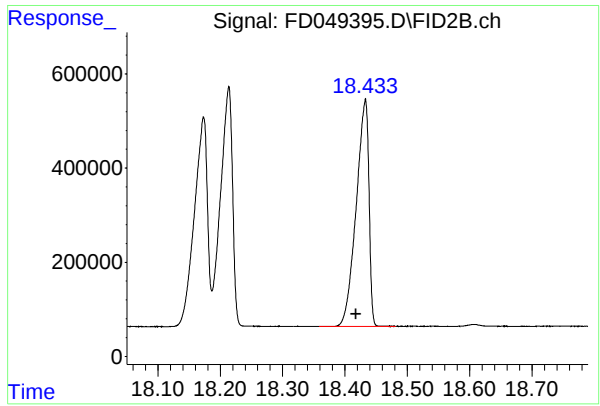
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.173 min
Delta R.T.: 0.012 min
Response: 6521617
Conc: 50.01 ug/ml



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

R.T.: 18.214 min
Delta R.T.: 0.013 min
Response: 6755665
Conc: 48.88 ug/ml



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

R.T.: 18.433 min
Delta R.T.: 0.015 min
Response: 6825322
Conc: 49.37 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD052425AR\
Data File : FD049395.D
Signal(s) : FID2B.ch
Acq On : 23 May 2025 15:28
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 052425.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	4.472	4.568	BB	958067	8242038	80.30%	4.663%
2	6.075	6.018	6.110	BV	1008404	9134543	89.00%	5.168%
3	7.130	7.072	7.180	BB	960938	9302353	90.64%	5.263%
4	7.740	7.678	7.785	BB	898618	8637317	84.16%	4.886%
5	8.411	8.348	8.452	BB	1006466	10000645	97.44%	5.658%
6	8.607	8.553	8.657	BB	613858	5972073	58.19%	3.379%
7	8.708	8.662	8.752	BB	962751	9823949	95.72%	5.558%
8	9.489	9.428	9.538	BB	971456	10126525	98.67%	5.729%
9	10.889	10.840	10.923	VV	895004	9881843	96.28%	5.590%
10	10.965	10.923	11.012	VB	851267	9102390	88.69%	5.149%
11	11.653	11.563	11.692	BB	948068	10263490	100.00%	5.806%
12	12.704	12.650	12.738	BB	822956	9325779	90.86%	5.276%
13	13.004	12.932	13.030	BV	779157	9259311	90.22%	5.238%
14	14.874	14.808	14.893	BV	581699	7965496	77.61%	4.506%
15	14.920	14.893	14.968	VB	685126	7925641	77.22%	4.484%
16	16.426	16.357	16.441	BV	508003	7432800	72.42%	4.205%
17	16.463	16.441	16.498	VB	617605	7335357	71.47%	4.150%
18	16.807	16.730	16.853	BB	527752	6930975	67.53%	3.921%
19	18.173	18.110	18.187	BV	445162	6521617	63.54%	3.689%
20	18.214	18.187	18.253	VB	508437	6755665	65.82%	3.822%
21	18.433	18.358	18.482	BB	484297	6825322	66.50%	3.861%
Sum of corrected areas:						176765130		

Aromatic EPH 052425.M Tue May 27 03:25:52 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD052425AR\
 Data File : FD049396.D
 Signal(s) : FID2B.ch
 Acq On : 23 May 2025 16:05
 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: May 27 03:03:05 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 052425.M
 Quant Title : GC Extractables
 QLast Update : Tue May 27 03:01:40 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...	7.736	3400026	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
6) S 2-Fluorobiphenyl (SURR)	8.602	2343929	20.000 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	40.00%
11) S ortho-Terphenyl (SURR)	11.648	4128289	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.528	3258232	20.000 ug/ml
2) T Naphthalene (C11.7)	6.072	3583592	20.000 ug/ml
3) T 2-Methylnaphthalene (...)	7.127	3645691	20.000 ug/ml
5) T Acenaphthylene (C15.06)	8.406	3964898	20.000 ug/ml
7) T Acenaphthene (C15.5)	8.702	3892473	20.000 ug/ml
8) T Fluorene (C16.55)	9.483	4013172	20.000 ug/ml
9) T Phenanthrene (C19.36)	10.882	3918979	20.000 ug/ml
10) T Anthracene (C19.43)	10.957	3598708	20.000 ug/ml
12) T Fluoranthene (C21.85)	12.697	3733051	20.000 ug/ml
13) T Pyrene (C20.8)	12.995	3690050	20.000 ug/ml
14) T Benzo[a]anthracene (C...	14.866	3137811	20.000 ug/ml
15) T Chrysene (C27.41)	14.909	3135648	20.000 ug/ml
16) T benzo[b]fluoranthene ...	16.417	2969243	20.000 ug/ml
17) T Bnezo[k]fluoranthene ...	16.449	2952154	20.000 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.796	2792755	20.000 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.161	2607963	20.000 ug/ml
20) T Dibenz[a,h]anthracene...	18.201	2764270	20.000 ug/ml
21) T Benzo[g,h,i]perylene ...	18.417	2765236	20.000 ug/ml

(f)=RT Delta > 1/2 Window

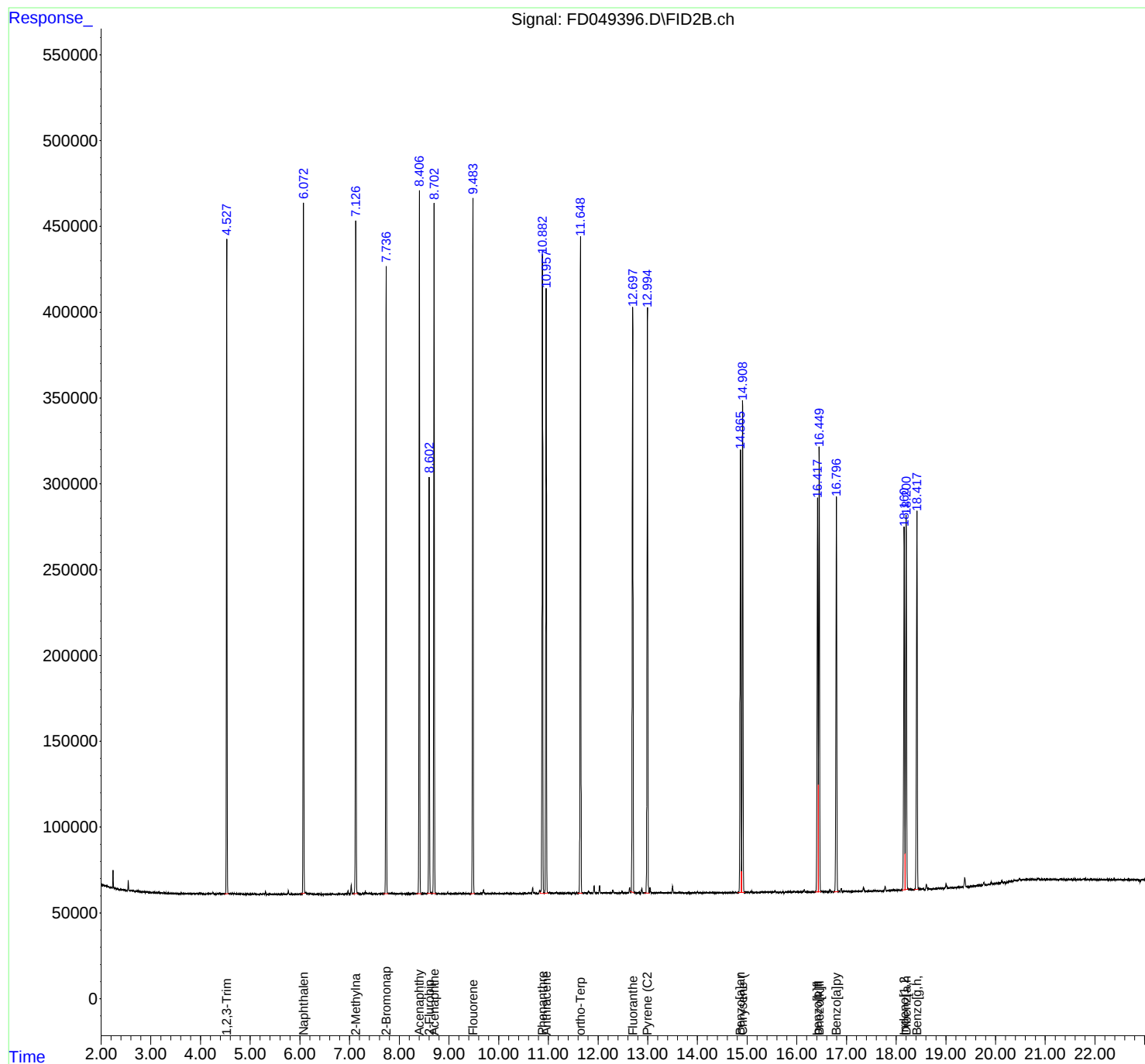
(m)=manual int.

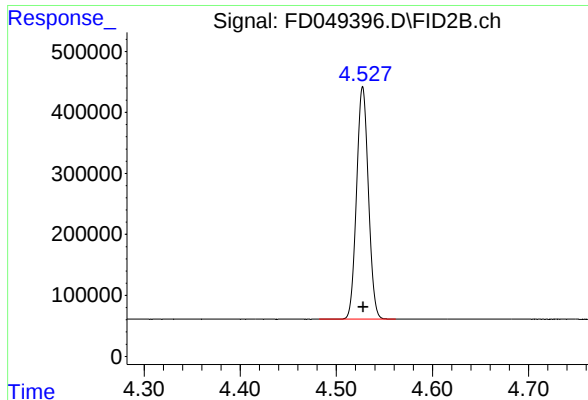
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD052425AR\
Data File : FD049396.D
Signal(s) : FID2B.ch
Acq On : 23 May 2025 16:05
Operator : YP/AJ
Sample : 20 PPM AROMATIC HC STD3
Misc :
ALS Vial : 63 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3

Integration File: autoint1.e
Quant Time: May 27 03:03:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 052425.M
Quant Title : GC Extractables
QLast Update : Tue May 27 03:01:40 2025
Response via : Initial Calibration
Integrator: ChemStation

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

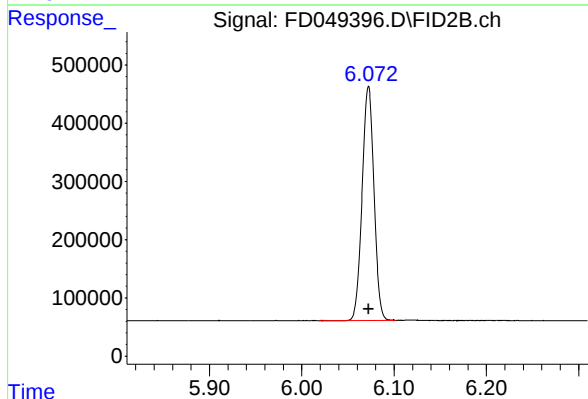




#1 1,2,3-Trimethylbenzene (C10.1)

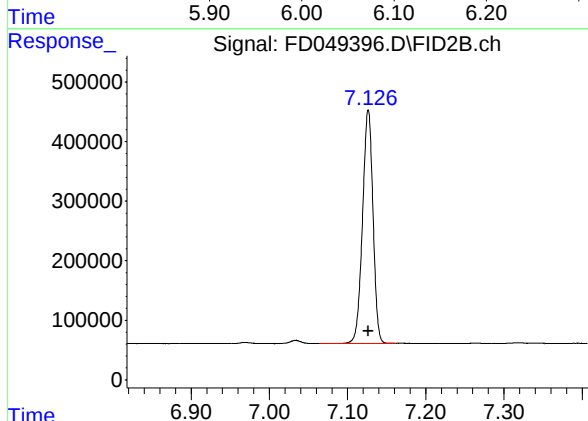
R.T.: 4.528 min
Delta R.T.: 0.000 min
Response: 3258232
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3



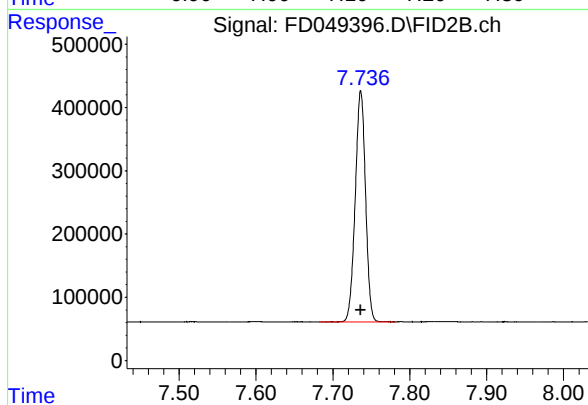
#2 Naphthalene (C11.7)

R.T.: 6.072 min
Delta R.T.: 0.000 min
Response: 3583592
Conc: 20.00 ug/ml



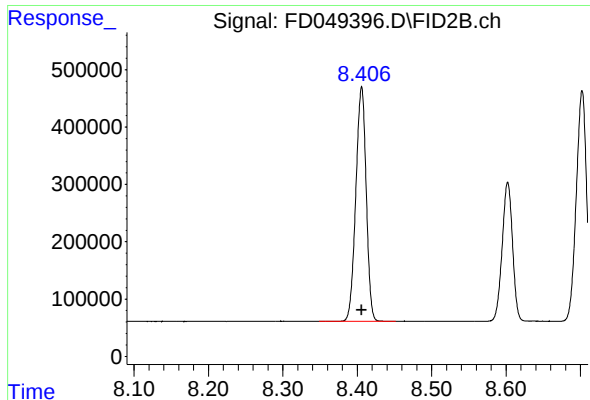
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.127 min
Delta R.T.: 0.000 min
Response: 3645691
Conc: 20.00 ug/ml



#4 2-Bromonaphthalene (SURR)

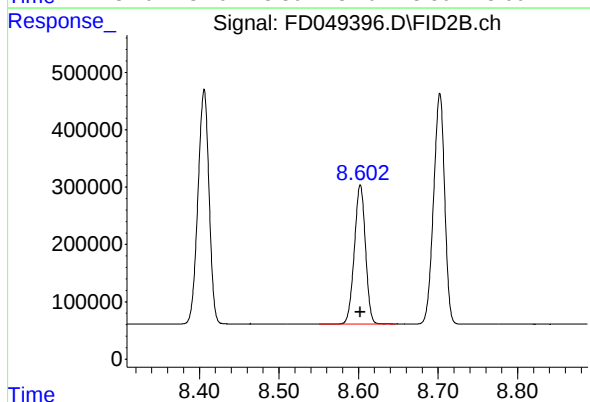
R.T.: 7.736 min
Delta R.T.: 0.000 min
Response: 3400026
Conc: 20.00 ug/ml



#5 Acenaphthylene (C15.06)

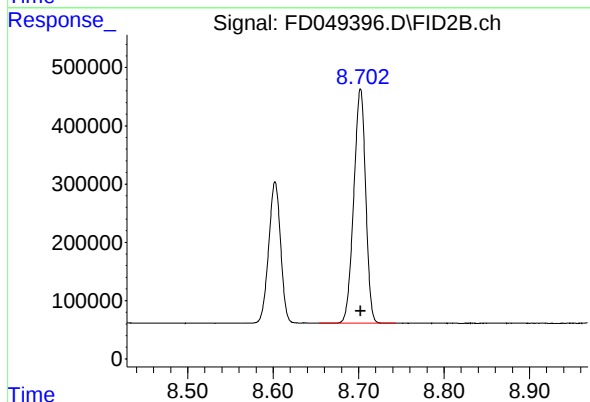
R.T.: 8.406 min
Delta R.T.: 0.000 min
Response: 3964898
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3



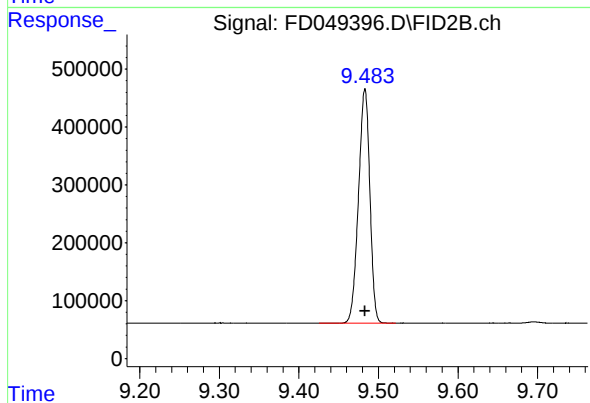
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.602 min
Delta R.T.: 0.000 min
Response: 2343929
Conc: 20.00 ug/ml



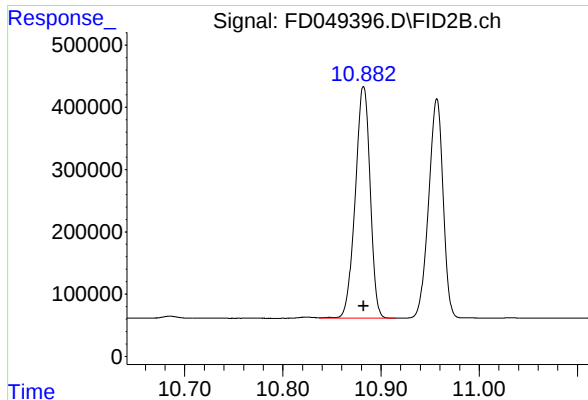
#7 Acenaphthene (C15.5)

R.T.: 8.702 min
Delta R.T.: 0.000 min
Response: 3892473
Conc: 20.00 ug/ml



#8 Flouorene (C16.55)

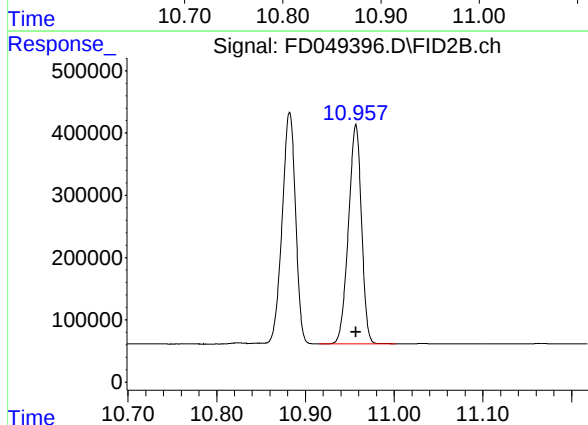
R.T.: 9.483 min
Delta R.T.: 0.000 min
Response: 4013172
Conc: 20.00 ug/ml



#9 Phenanthrene (C19.36)

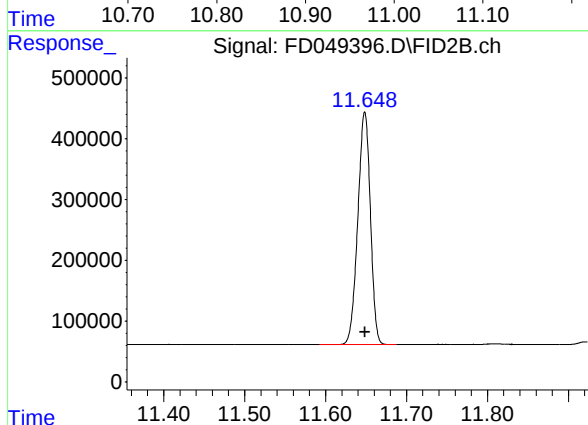
R.T.: 10.882 min
Delta R.T.: 0.000 min
Response: 3918979
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3



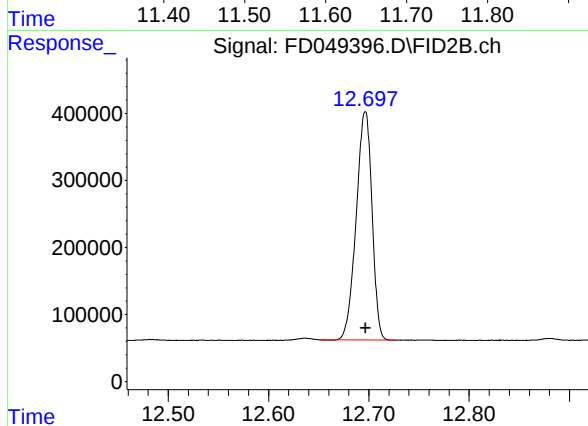
#10 Anthracene (C19.43)

R.T.: 10.957 min
Delta R.T.: 0.000 min
Response: 3598708
Conc: 20.00 ug/ml



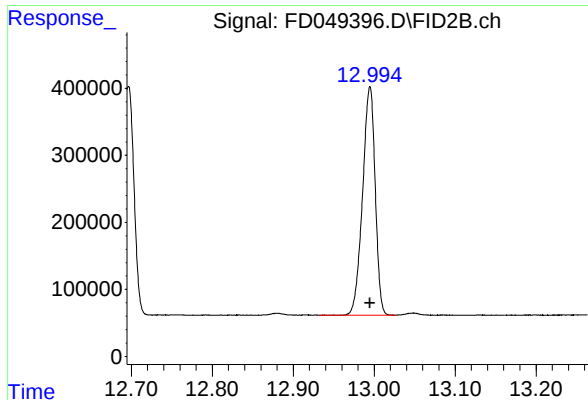
#11 ortho-Terphenyl (SURR)

R.T.: 11.648 min
Delta R.T.: 0.000 min
Response: 4128289
Conc: 20.00 ug/ml



#12 Fluoranthene (C21.85)

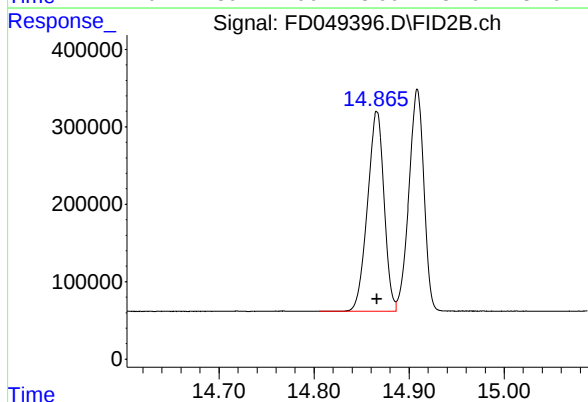
R.T.: 12.697 min
Delta R.T.: 0.000 min
Response: 3733051
Conc: 20.00 ug/ml



#13 Pyrene (C20.8)

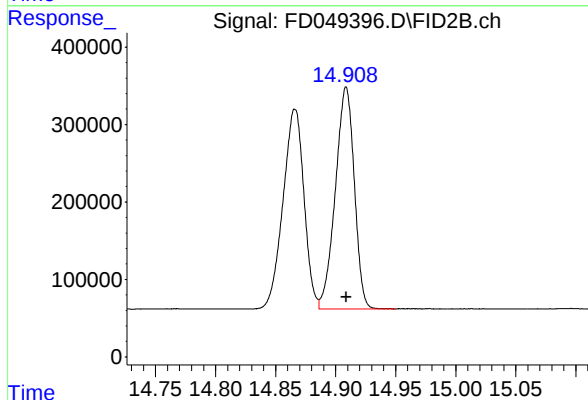
R.T.: 12.995 min
Delta R.T.: 0.000 min
Response: 3690050
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3



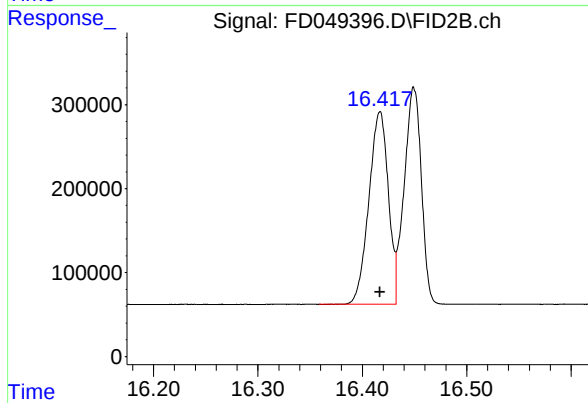
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.866 min
Delta R.T.: 0.000 min
Response: 3137811
Conc: 20.00 ug/ml



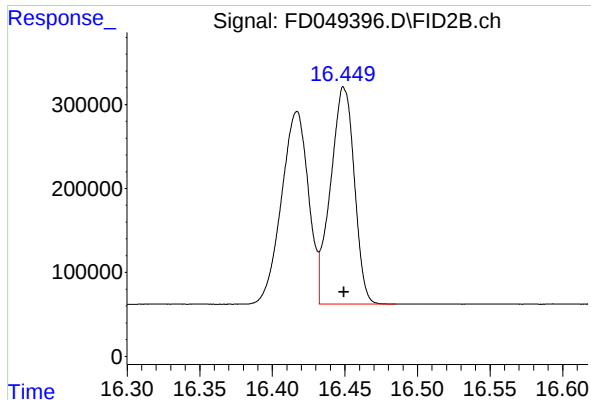
#15 Chrysene (C27.41)

R.T.: 14.909 min
Delta R.T.: 0.000 min
Response: 3135648
Conc: 20.00 ug/ml



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

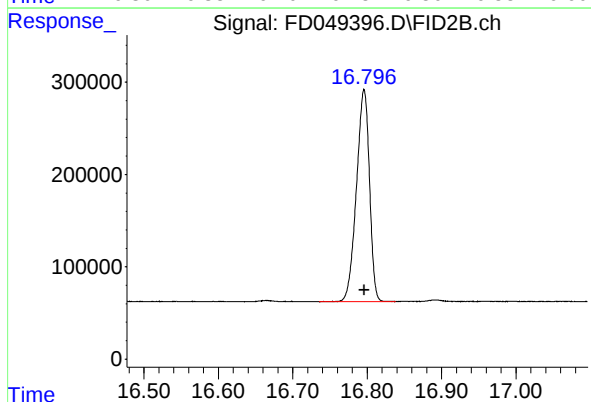
R.T.: 16.417 min
Delta R.T.: 0.000 min
Response: 2969243
Conc: 20.00 ug/ml



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

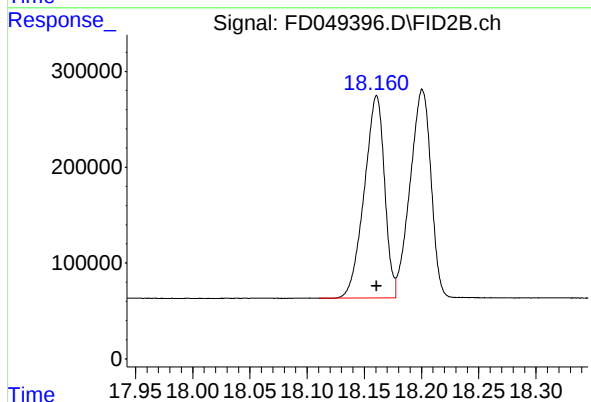
R.T.: 16.449 min
Delta R.T.: 0.000 min
Response: 2952154
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3



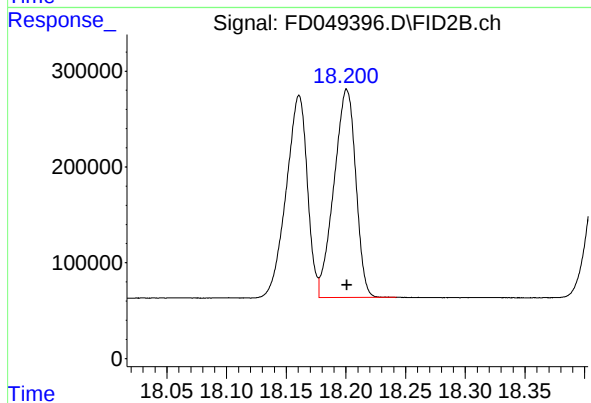
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.796 min
Delta R.T.: 0.000 min
Response: 2792755
Conc: 20.00 ug/ml



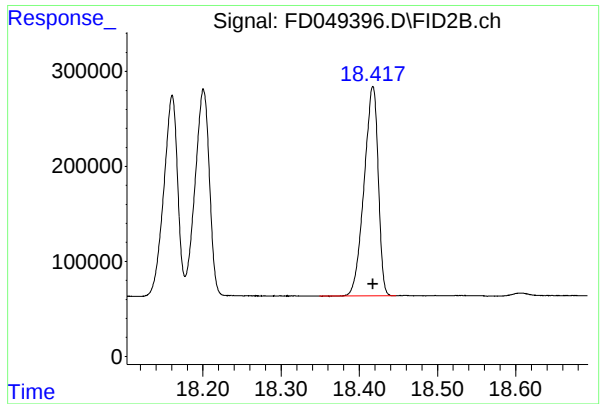
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.161 min
Delta R.T.: 0.000 min
Response: 2607963
Conc: 20.00 ug/ml



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

R.T.: 18.201 min
Delta R.T.: 0.000 min
Response: 2764270
Conc: 20.00 ug/ml



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

R.T.: 18.417 min
Delta R.T.: 0.000 min
Response: 2765236
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\FD052425AR\
 Data File : FD049396.D
 Signal(s) : FID2B.ch
 Acq On : 23 May 2025 16:05
 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 052425.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	4.528	4.482	4.562	BB	381000	3258232	78.92%	4.635%
2	6.072	6.019	6.102	BB	401782	3583592	86.81%	5.098%
3	7.127	7.064	7.162	BB	392198	3645691	88.31%	5.186%
4	7.736	7.682	7.782	BB	364239	3400026	82.36%	4.837%
5	8.406	8.349	8.452	BB	408256	3964898	96.04%	5.640%
6	8.602	8.550	8.647	BB	242653	2343929	56.78%	3.334%
7	8.702	8.654	8.744	BB	402700	3892473	94.29%	5.537%
8	9.483	9.425	9.522	BB	405371	4013172	97.21%	5.709%
9	10.882	10.837	10.915	VV	372100	3918979	94.93%	5.575%
10	10.957	10.915	11.002	PB	352346	3598708	87.17%	5.119%
11	11.648	11.592	11.687	BB	382615	4128289	100.00%	5.873%
12	12.697	12.650	12.727	BB	341419	3733051	90.43%	5.310%
13	12.995	12.932	13.027	BV	341788	3690050	89.38%	5.249%
14	14.866	14.805	14.886	BV	258174	3137811	76.01%	4.464%
15	14.909	14.886	14.950	VB	287040	3135648	75.96%	4.461%
16	16.417	16.359	16.432	BV	229554	2969243	71.92%	4.224%
17	16.449	16.432	16.485	VB	259212	2952154	71.51%	4.200%
18	16.796	16.735	16.839	BB	229614	2792755	67.65%	3.973%
19	18.161	18.110	18.177	BV	211277	2607963	63.17%	3.710%
20	18.201	18.177	18.242	VB	217710	2764270	66.96%	3.932%
21	18.417	18.349	18.447	BB	220563	2765236	66.98%	3.934%
Sum of corrected areas:							70296169	

Aromatic EPH 052425.M Tue May 27 03:26:29 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD052425AR\
 Data File : FD049397.D
 Signal(s) : FID2B.ch
 Acq On : 23 May 2025 16:43
 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: May 27 03:03:25 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 052425.M
 Quant Title : GC Extractables
 QLast Update : Tue May 27 03:01:40 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...	7.736	1696274	9.978 ug/ml
Spiked Amount 50.000		Recovery =	19.96%
6) S 2-Fluorobiphenyl (SURR)	8.601	1163335	9.926 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	19.85%
11) S ortho-Terphenyl (SURR)	11.646	2085461	10.103 ug/ml
Spiked Amount 50.000		Recovery =	20.21%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.528	1621857	9.955 ug/ml
2) T Naphthalene (C11.7)	6.072	1785610	9.965 ug/ml
3) T 2-Methylnaphthalene (...)	7.126	1820808	9.989 ug/ml
5) T Acenaphthylene (C15.06)	8.405	1984689	10.011 ug/ml
7) T Acenaphthene (C15.5)	8.701	1953056	10.035 ug/ml
8) T Fluorene (C16.55)	9.482	2006784	10.001 ug/ml
9) T Phenanthrene (C19.36)	10.880	1952129	9.962 ug/ml
10) T Anthracene (C19.43)	10.954	1785562	9.923 ug/ml
12) T Fluoranthene (C21.85)	12.694	1851889	9.922 ug/ml
13) T Pyrene (C20.8)	12.992	1829800	9.917 ug/ml
14) T Benzo[a]anthracene (C...	14.863	1539625	9.813 ug/ml
15) T Chrysene (C27.41)	14.905	1539979	9.822 ug/ml
16) T benzo[b]fluoranthene ...	16.413	1487417	10.019 ug/ml
17) T Bnezo[k]fluoranthene ...	16.445	1476834	10.005 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.792	1395294	9.992 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.156	1311671	10.059 ug/ml
20) T Dibenz[a,h]anthracene...	18.197	1409749	10.200 ug/ml
21) T Benzo[g,h,i]perylene ...	18.411	1398701	10.116 ug/ml

(f)=RT Delta > 1/2 Window

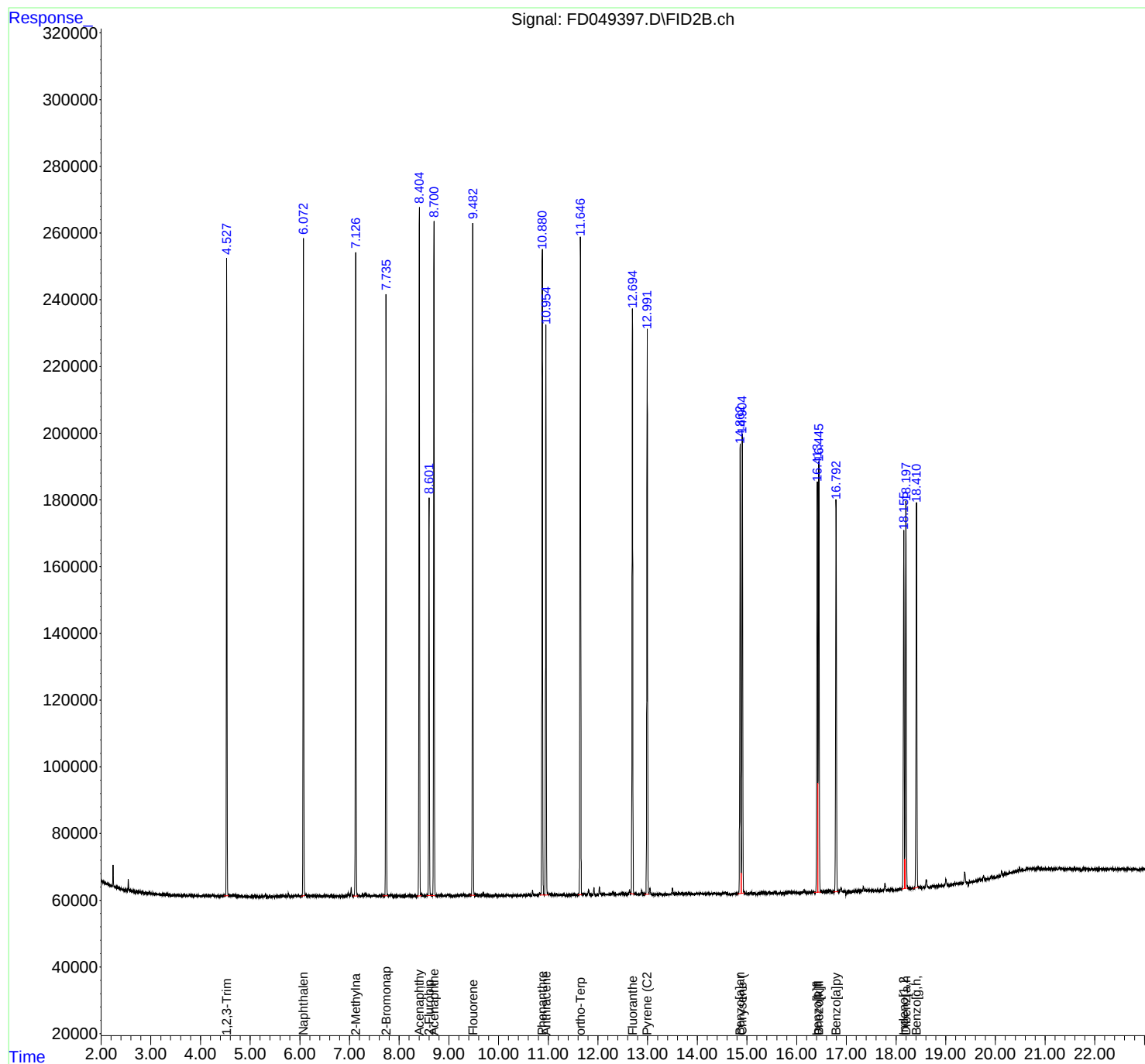
(m)=manual int.

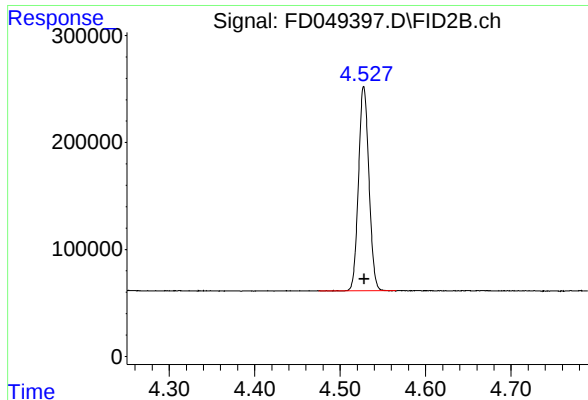
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD052425AR\
Data File : FD049397.D
Signal(s) : FID2B.ch
Acq On : 23 May 2025 16:43
Operator : YP/AJ
Sample : 10 PPM AROMATIC HC STD4
Misc :
ALS Vial : 64 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4

Integration File: autoint1.e
Quant Time: May 27 03:03:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 052425.M
Quant Title : GC Extractables
QLast Update : Tue May 27 03:01:40 2025
Response via : Initial Calibration
Integrator: ChemStation

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

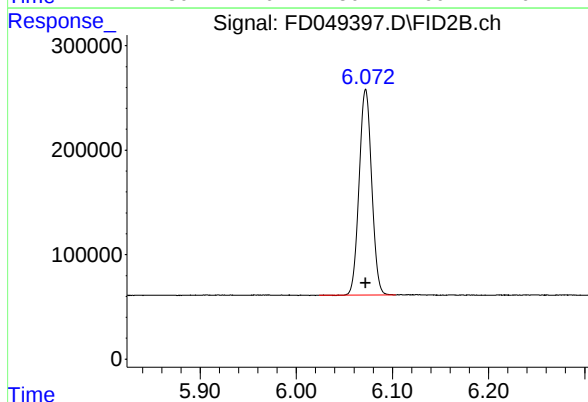




#1 1,2,3-Trimethylbenzene (C10.1)

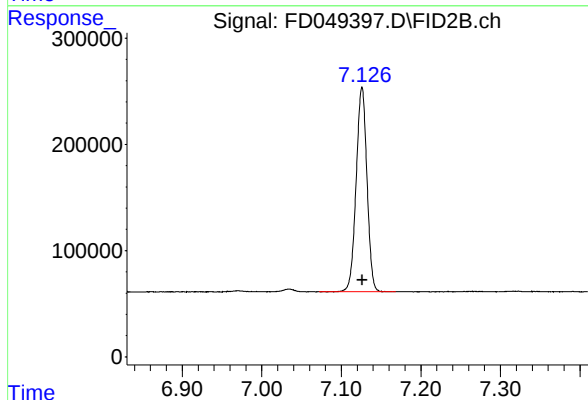
R.T.: 4.528 min
Delta R.T.: 0.000 min
Response: 1621857
Conc: 9.96 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4



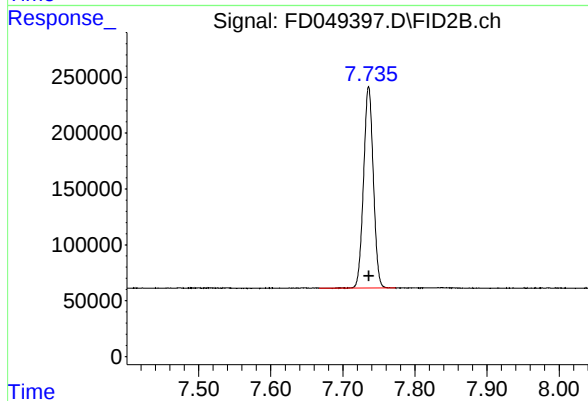
#2 Naphthalene (C11.7)

R.T.: 6.072 min
Delta R.T.: 0.000 min
Response: 1785610
Conc: 9.97 ug/ml



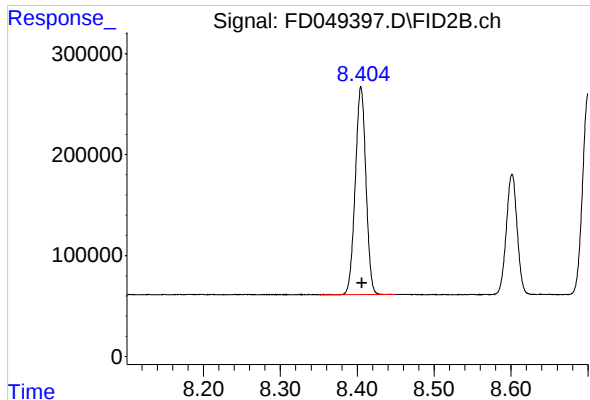
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.126 min
Delta R.T.: 0.000 min
Response: 1820808
Conc: 9.99 ug/ml



#4 2-Bromonaphthalene (SURR)

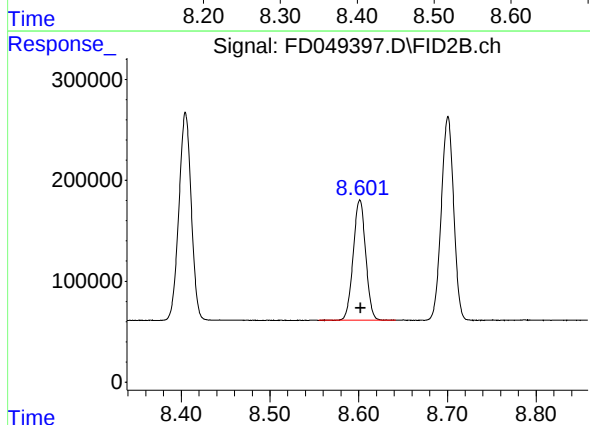
R.T.: 7.736 min
Delta R.T.: 0.000 min
Response: 1696274
Conc: 9.98 ug/ml



#5 Acenaphthylene (C15.06)

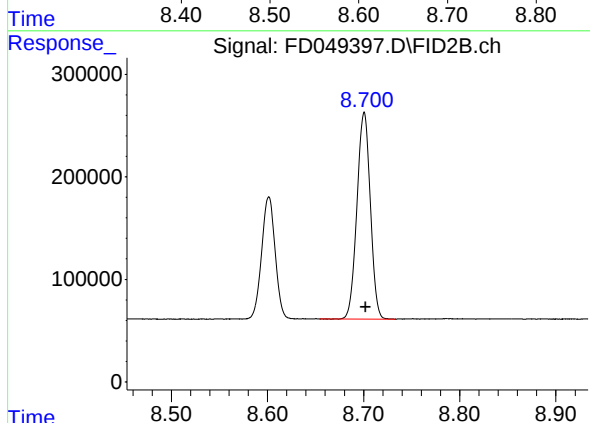
R.T.: 8.405 min
Delta R.T.: -0.001 min
Response: 1984689
Conc: 10.01 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4



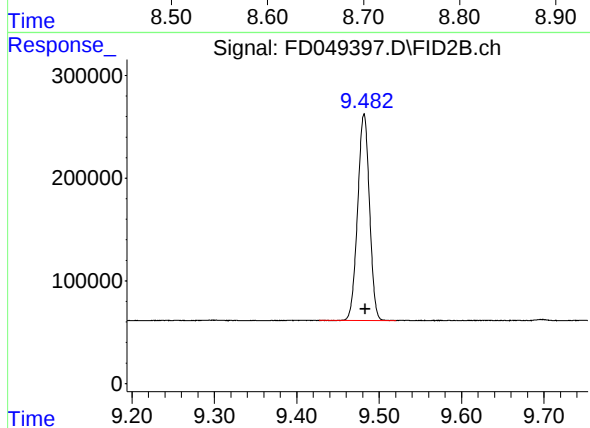
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.601 min
Delta R.T.: 0.000 min
Response: 1163335
Conc: 9.93 ug/ml



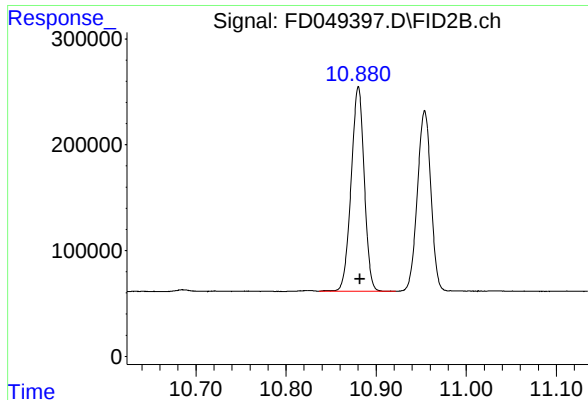
#7 Acenaphthene (C15.5)

R.T.: 8.701 min
Delta R.T.: -0.002 min
Response: 1953056
Conc: 10.04 ug/ml



#8 Flouorene (C16.55)

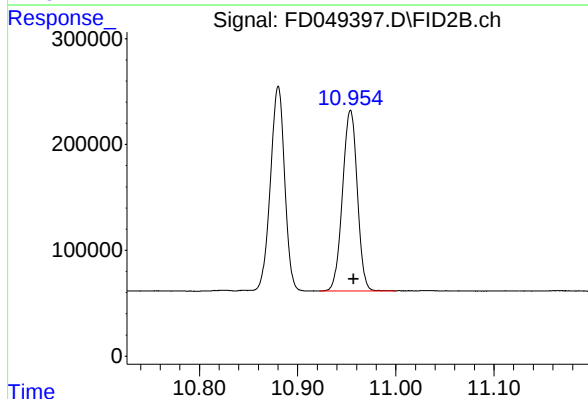
R.T.: 9.482 min
Delta R.T.: -0.001 min
Response: 2006784
Conc: 10.00 ug/ml



#9 Phenanthrene (C19.36)

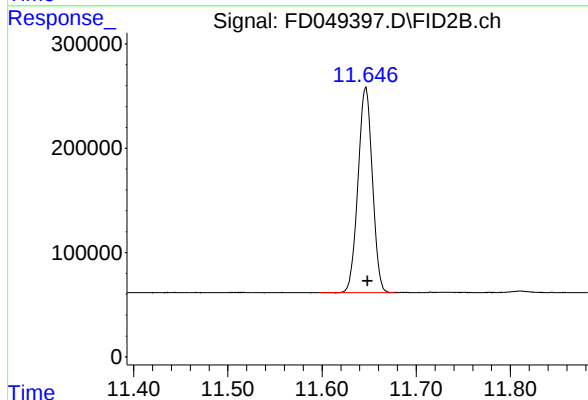
R.T.: 10.880 min
Delta R.T.: -0.002 min
Response: 1952129
Conc: 9.96 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4



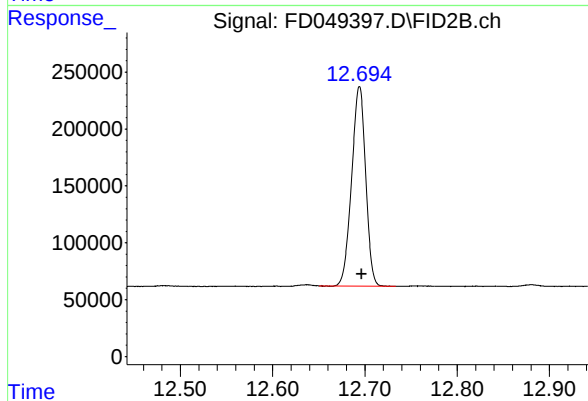
#10 Anthracene (C19.43)

R.T.: 10.954 min
Delta R.T.: -0.003 min
Response: 1785562
Conc: 9.92 ug/ml



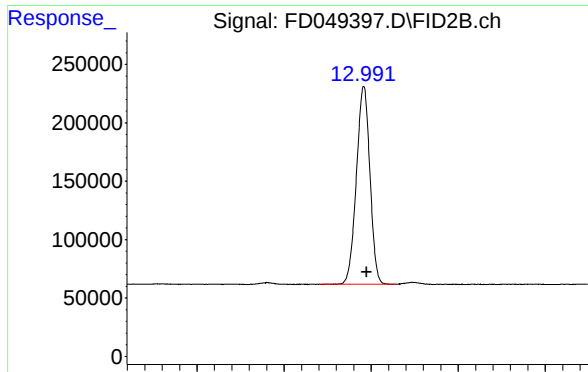
#11 ortho-Terphenyl (SURR)

R.T.: 11.646 min
Delta R.T.: -0.002 min
Response: 2085461
Conc: 10.10 ug/ml



#12 Fluoranthene (C21.85)

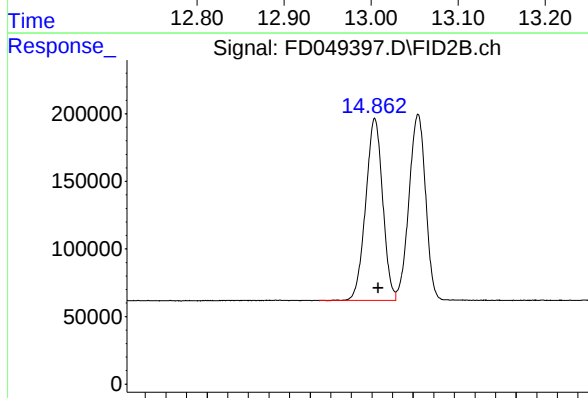
R.T.: 12.694 min
Delta R.T.: -0.002 min
Response: 1851889
Conc: 9.92 ug/ml



#13 Pyrene (C20.8)

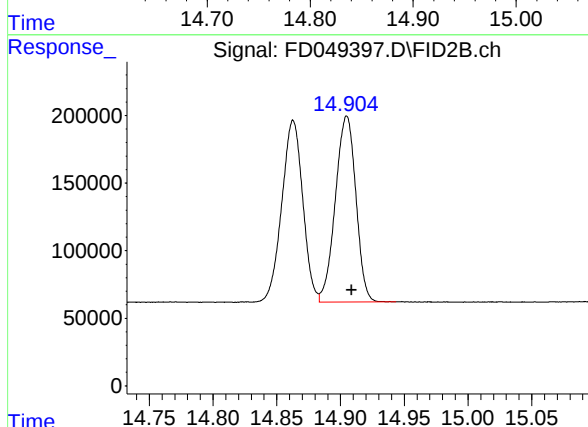
R.T.: 12.992 min
Delta R.T.: -0.003 min
Response: 1829800
Conc: 9.92 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4



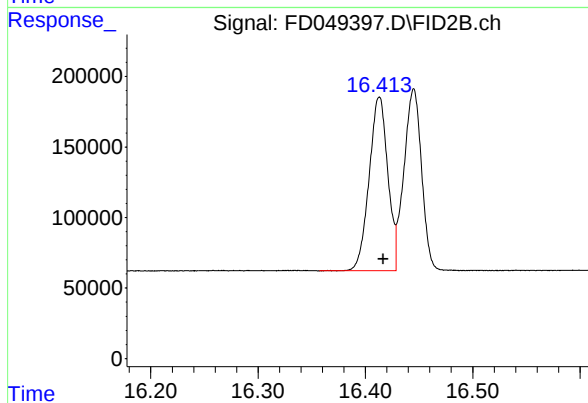
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.863 min
Delta R.T.: -0.003 min
Response: 1539625
Conc: 9.81 ug/ml



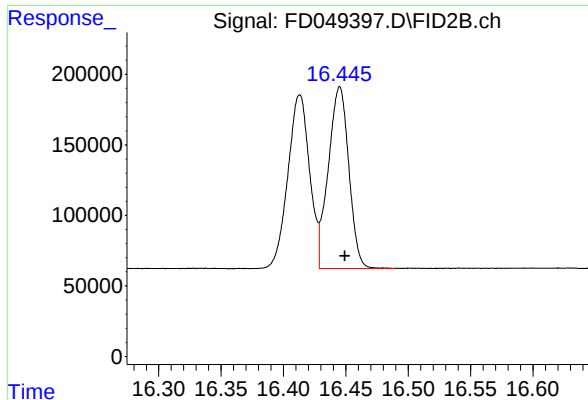
#15 Chrysene (C27.41)

R.T.: 14.905 min
Delta R.T.: -0.004 min
Response: 1539979
Conc: 9.82 ug/ml



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

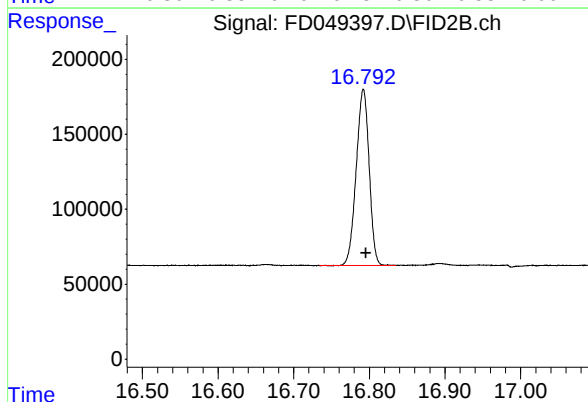
R.T.: 16.413 min
Delta R.T.: -0.004 min
Response: 1487417
Conc: 10.02 ug/ml



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

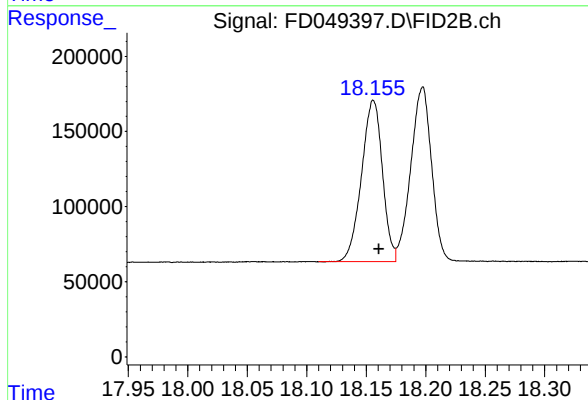
R.T.: 16.445 min
Delta R.T.: -0.004 min
Response: 1476834
Conc: 10.01 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4



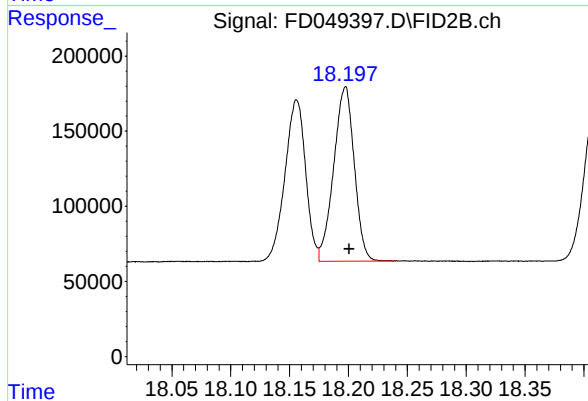
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.792 min
Delta R.T.: -0.004 min
Response: 1395294
Conc: 9.99 ug/ml



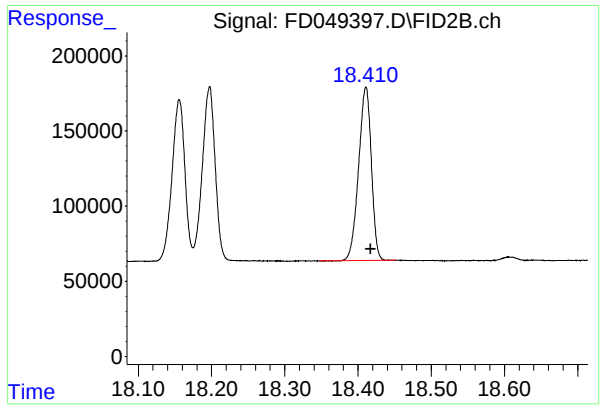
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.156 min
Delta R.T.: -0.005 min
Response: 1311671
Conc: 10.06 ug/ml



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

R.T.: 18.197 min
Delta R.T.: -0.003 min
Response: 1409749
Conc: 10.20 ug/ml



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

R.T.: 18.411 min
Delta R.T.: -0.006 min
Response: 1398701
Conc: 10.12 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD052425AR\
Data File : FD049397.D
Signal(s) : FID2B.ch
Acq On : 23 May 2025 16:43
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 052425.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	4.528	4.475	4.565	BB	191002	1621857	77.77%	4.621%
2	6.072	6.024	6.104	BB	196788	1785610	85.62%	5.088%
3	7.126	7.072	7.169	BB	192429	1820808	87.31%	5.188%
4	7.736	7.667	7.774	BB	180545	1696274	81.34%	4.833%
5	8.405	8.350	8.450	BB	205776	1984689	95.17%	5.655%
6	8.601	8.555	8.642	BB	119405	1163335	55.78%	3.315%
7	8.701	8.654	8.734	BB	201514	1953056	93.65%	5.565%
8	9.482	9.427	9.520	BB	201384	2006784	96.23%	5.718%
9	10.880	10.837	10.922	VV	193327	1952129	93.61%	5.562%
10	10.954	10.922	11.000	PB	170451	1785562	85.62%	5.088%
11	11.646	11.597	11.679	BB	197211	2085461	100.00%	5.942%
12	12.694	12.650	12.734	BB	175715	1851889	88.80%	5.277%
13	12.992	12.940	13.029	BV	169688	1829800	87.74%	5.214%
14	14.863	14.809	14.883	BV	134341	1539625	73.83%	4.387%
15	14.905	14.883	14.944	VB	137691	1539979	73.84%	4.388%
16	16.413	16.357	16.429	BV	123350	1487417	71.32%	4.238%
17	16.445	16.429	16.490	VB	129109	1476834	70.82%	4.208%
18	16.792	16.734	16.835	BB	117700	1395294	66.91%	3.976%
19	18.156	18.110	18.175	BV	107633	1311671	62.90%	3.737%
20	18.197	18.175	18.240	VB	115821	1409749	67.60%	4.017%
21	18.411	18.347	18.452	BB	115435	1398701	67.07%	3.985%
Sum of corrected areas:						35096523		

Aromatic EPH 052425.M Tue May 27 03:26:44 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD052425AR\
 Data File : FD049398.D
 Signal(s) : FID2B.ch
 Acq On : 23 May 2025 17:20
 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: May 27 03:03:46 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 052425.M
 Quant Title : GC Extractables
 QLast Update : Tue May 27 03:01:40 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...	7.736	751932	4.423 ug/ml
Spiked Amount 50.000		Recovery =	8.85%
6) S 2-Fluorobiphenyl (SURR)	8.601	511438	4.364 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	8.73%
11) S ortho-Terphenyl (SURR)	11.646	928471	4.498 ug/ml
Spiked Amount 50.000		Recovery =	9.00%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.529	731050	4.487 ug/ml
2) T Naphthalene (C11.7)	6.072	796108	4.443 ug/ml
3) T 2-Methylnaphthalene (...)	7.126	805249	4.418 ug/ml
5) T Acenaphthylene (C15.06)	8.404	884797	4.463 ug/ml
7) T Acenaphthene (C15.5)	8.700	867919	4.459 ug/ml
8) T Fluorene (C16.55)	9.481	885007	4.411 ug/ml
9) T Phenanthrene (C19.36)	10.879	854323	4.360 ug/ml
10) T Anthracene (C19.43)	10.953	775977	4.313 ug/ml
12) T Fluoranthene (C21.85)	12.692	807720	4.327 ug/ml
13) T Pyrene (C20.8)	12.990	802430	4.349 ug/ml
14) T Benzo[a]anthracene (C...	14.861	670532	4.274 ug/ml
15) T Chrysene (C27.41)	14.902	678367	4.327 ug/ml
16) T benzo[b]fluoranthene ...	16.411	665740	4.484 ug/ml
17) T Bnezo[k]fluoranthene ...	16.442	664555	4.502 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.789	635737	4.553 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.153	586320	4.496 ug/ml
20) T Dibenz[a,h]anthracene...	18.194	654634	4.736 ug/ml
21) T Benzo[g,h,i]perylene ...	18.406	634832	4.592 ug/ml

(f)=RT Delta > 1/2 Window

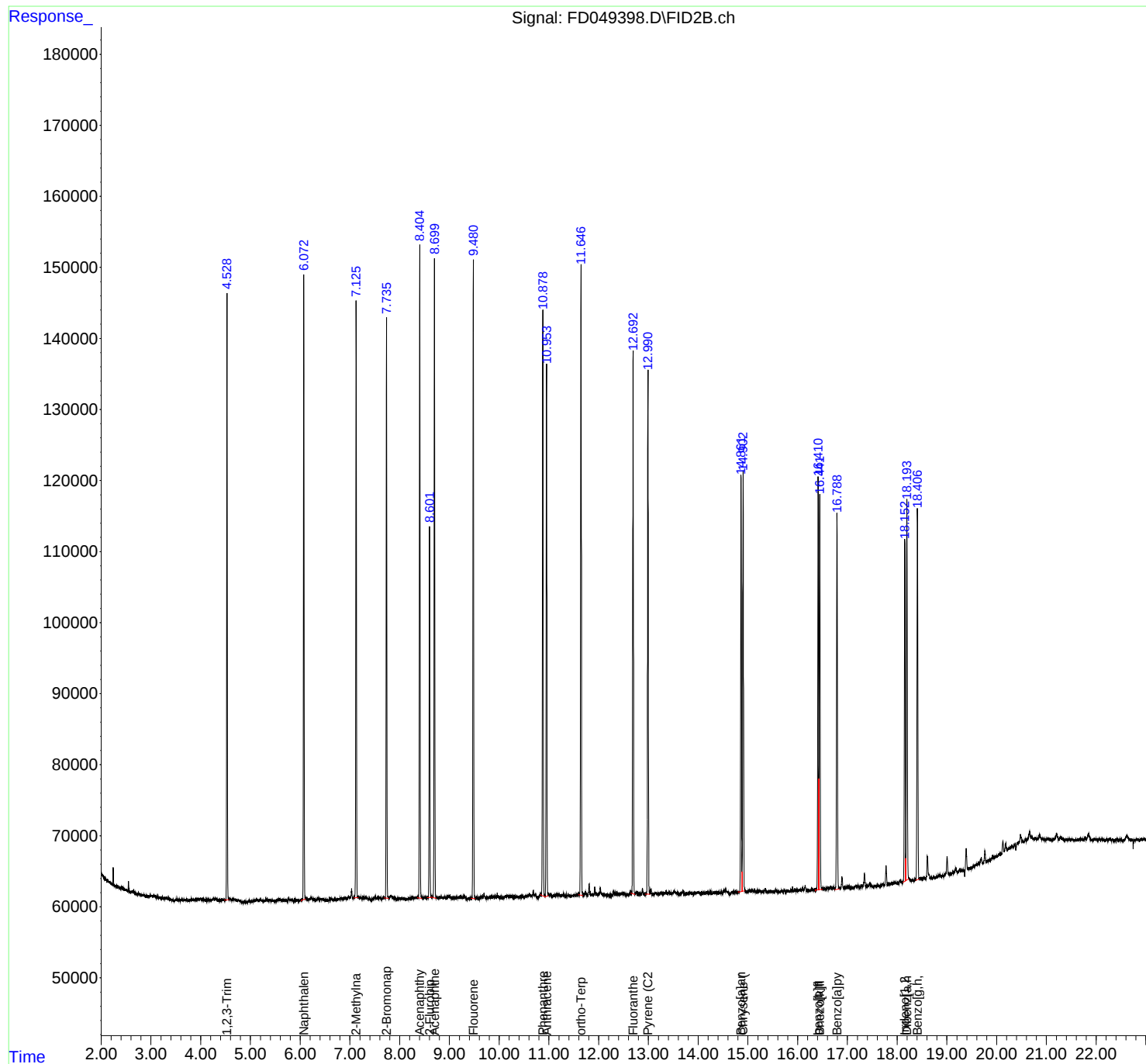
(m)=manual int.

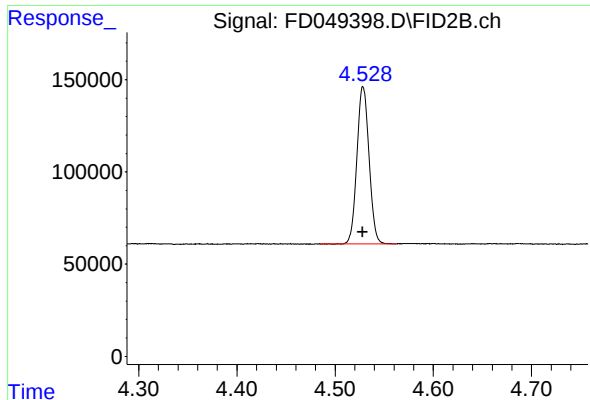
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD052425AR\
Data File : FD049398.D
Signal(s) : FID2B.ch
Acq On : 23 May 2025 17:20
Operator : YP/AJ
Sample : 5 PPM AROMATIC HC STD5
Misc :
ALS Vial : 65 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5

Integration File: autoint1.e
Quant Time: May 27 03:03:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 052425.M
Quant Title : GC Extractables
QLast Update : Tue May 27 03:01:40 2025
Response via : Initial Calibration
Integrator: ChemStation

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

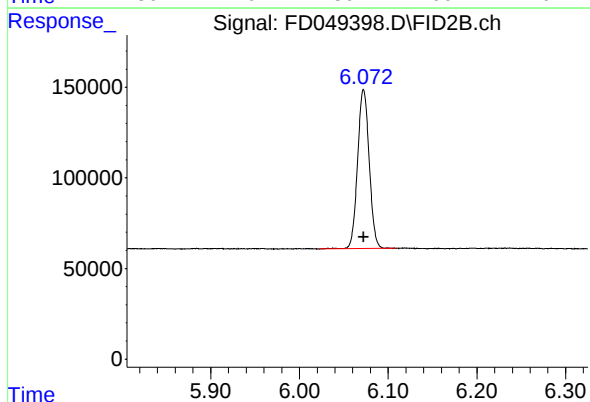




#1 1,2,3-Trimethylbenzene (C10.1)

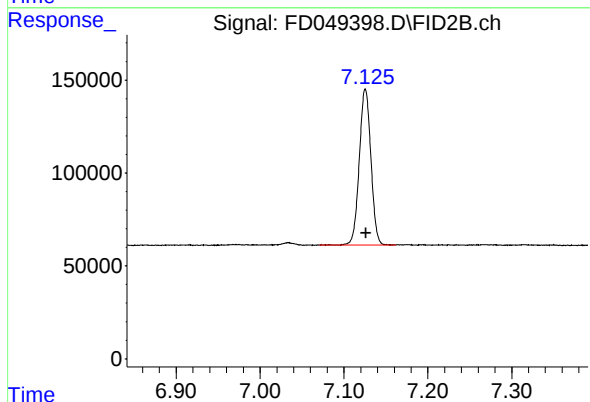
R.T.: 4.529 min
Delta R.T.: 0.000 min
Response: 731050
Conc: 4.49 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5



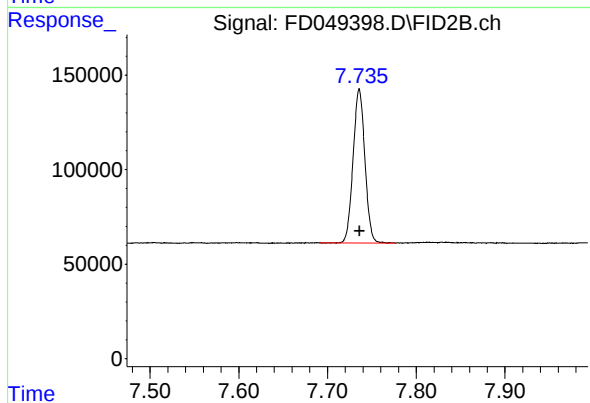
#2 Naphthalene (C11.7)

R.T.: 6.072 min
Delta R.T.: 0.000 min
Response: 796108
Conc: 4.44 ug/ml



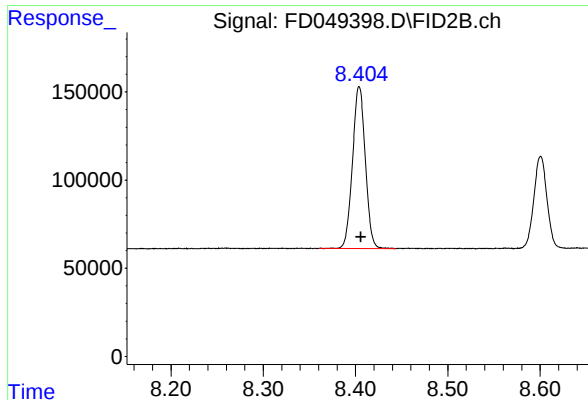
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.126 min
Delta R.T.: -0.001 min
Response: 805249
Conc: 4.42 ug/ml



#4 2-Bromonaphthalene (SURR)

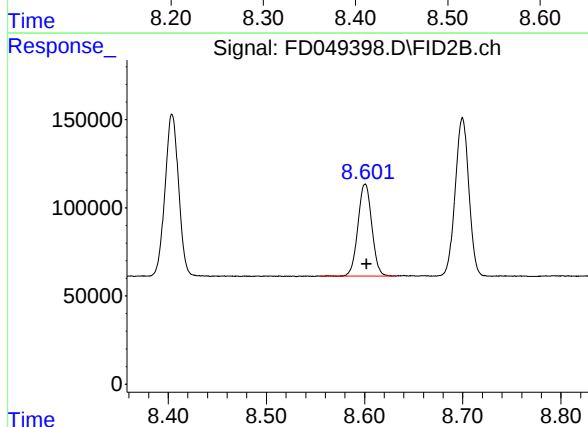
R.T.: 7.736 min
Delta R.T.: 0.000 min
Response: 751932
Conc: 4.42 ug/ml



#5 Acenaphthylene (C15.06)

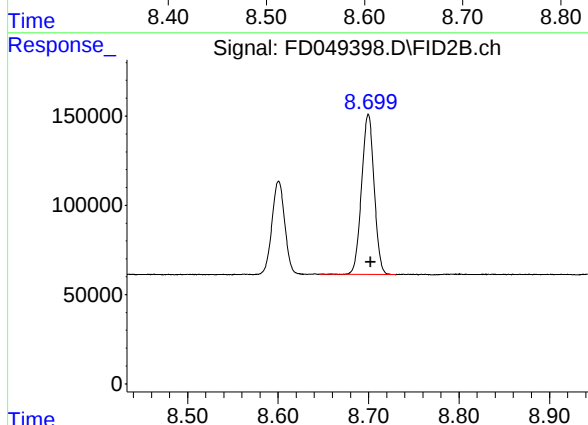
R.T.: 8.404 min
Delta R.T.: -0.002 min
Response: 884797
Conc: 4.46 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5



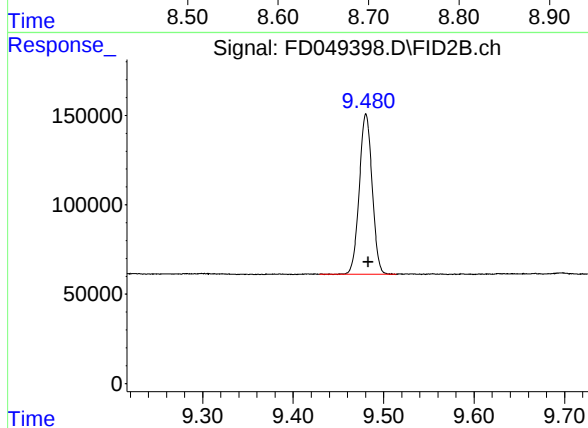
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.601 min
Delta R.T.: -0.002 min
Response: 511438
Conc: 4.36 ug/ml



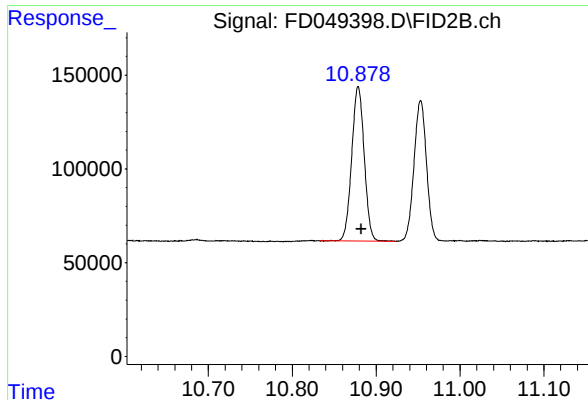
#7 Acenaphthene (C15.5)

R.T.: 8.700 min
Delta R.T.: -0.002 min
Response: 867919
Conc: 4.46 ug/ml



#8 Fluorene (C16.55)

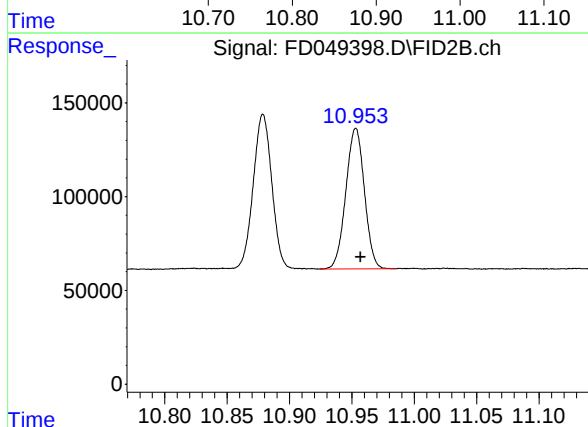
R.T.: 9.481 min
Delta R.T.: -0.003 min
Response: 885007
Conc: 4.41 ug/ml



#9 Phenanthrene (C19.36)

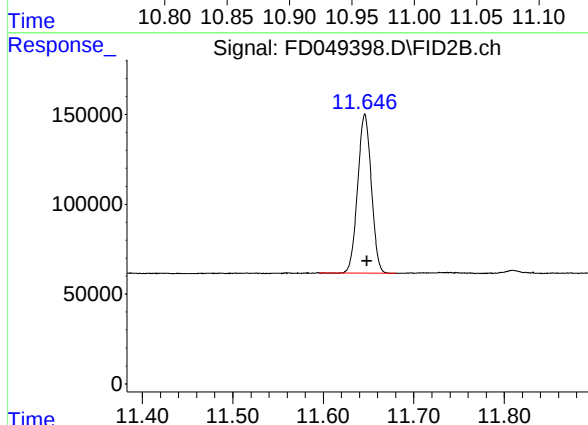
R.T.: 10.879 min
Delta R.T.: -0.004 min
Response: 854323
Conc: 4.36 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5



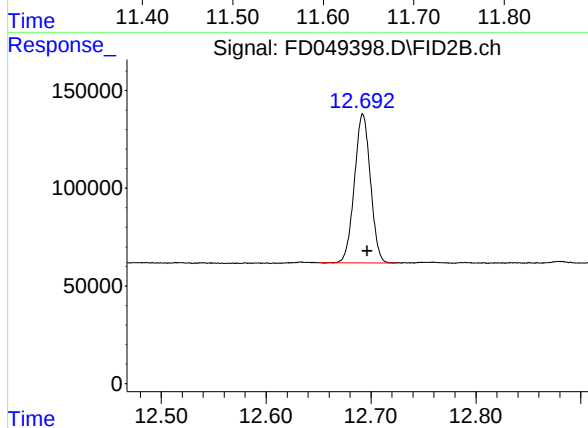
#10 Anthracene (C19.43)

R.T.: 10.953 min
Delta R.T.: -0.004 min
Response: 775977
Conc: 4.31 ug/ml



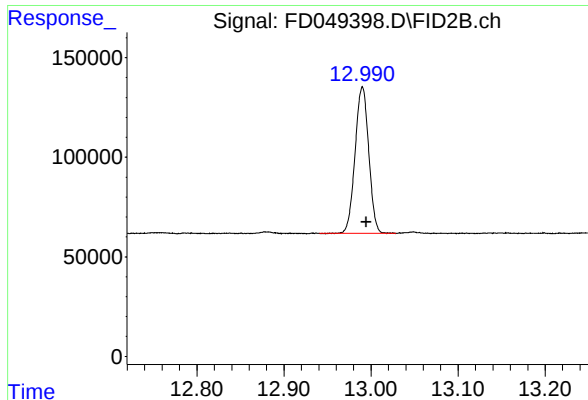
#11 ortho-Terphenyl (SURR)

R.T.: 11.646 min
Delta R.T.: -0.002 min
Response: 928471
Conc: 4.50 ug/ml



#12 Fluoranthene (C21.85)

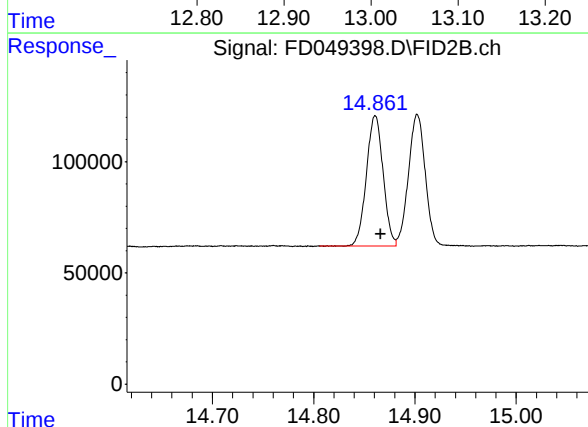
R.T.: 12.692 min
Delta R.T.: -0.004 min
Response: 807720
Conc: 4.33 ug/ml



#13 Pyrene (C20.8)

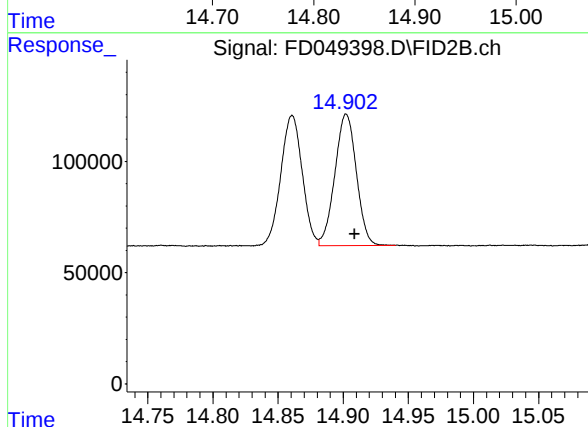
R.T.: 12.990 min
Delta R.T.: -0.005 min
Response: 802430
Conc: 4.35 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5



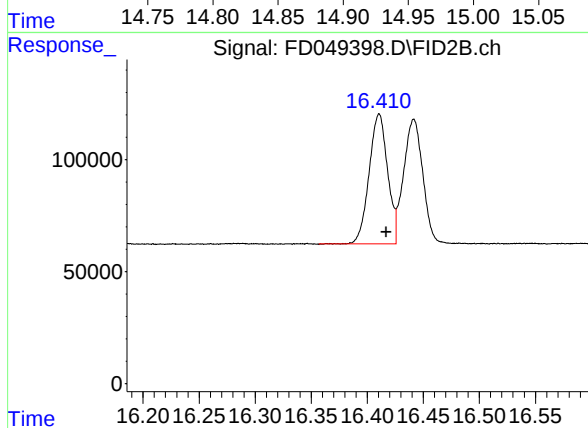
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.861 min
Delta R.T.: -0.005 min
Response: 670532
Conc: 4.27 ug/ml



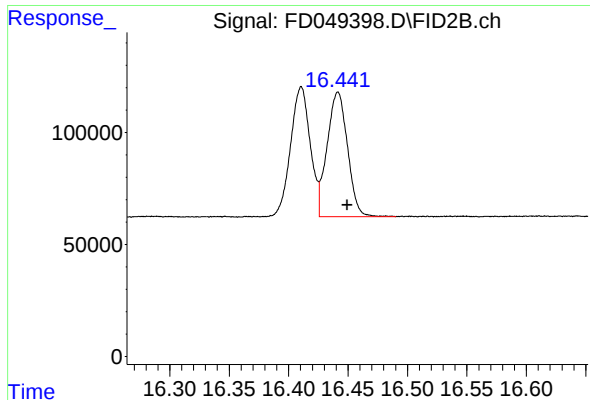
#15 Chrysene (C27.41)

R.T.: 14.902 min
Delta R.T.: -0.006 min
Response: 678367
Conc: 4.33 ug/ml



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

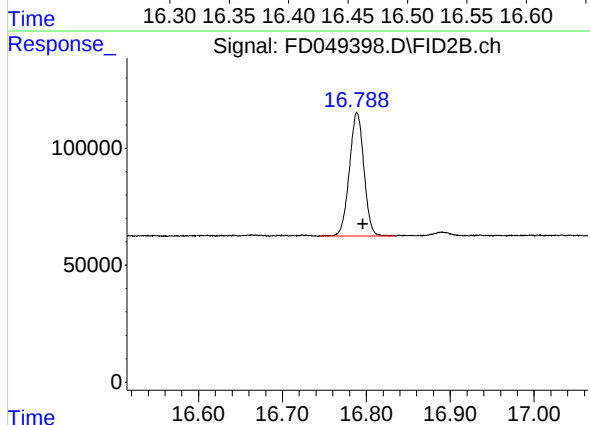
R.T.: 16.411 min
Delta R.T.: -0.006 min
Response: 665740
Conc: 4.48 ug/ml



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

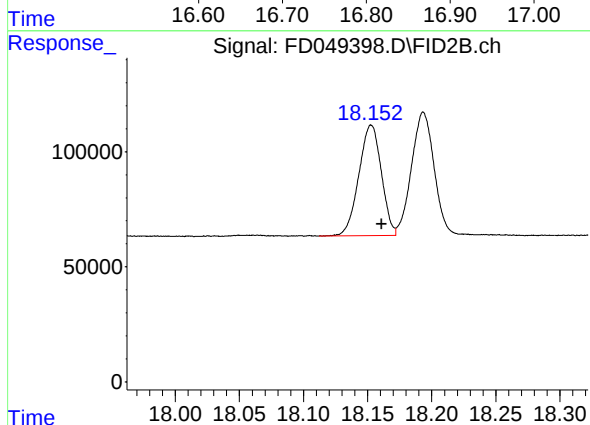
R.T.: 16.442 min
Delta R.T.: -0.008 min
Response: 664555
Conc: 4.50 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5



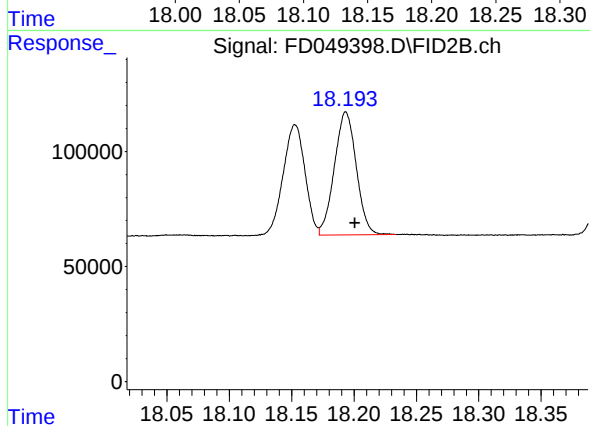
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.789 min
Delta R.T.: -0.007 min
Response: 635737
Conc: 4.55 ug/ml



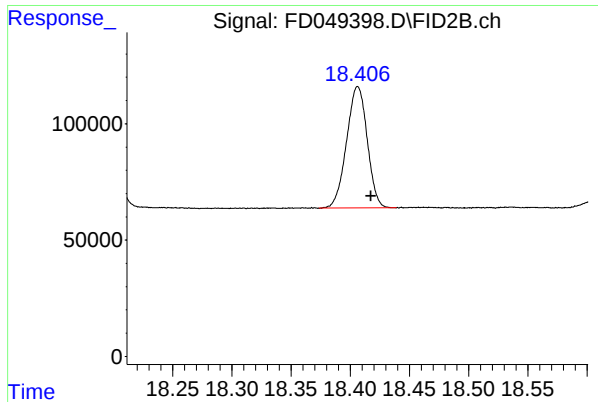
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.153 min
Delta R.T.: -0.008 min
Response: 586320
Conc: 4.50 ug/ml



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

R.T.: 18.194 min
Delta R.T.: -0.007 min
Response: 654634
Conc: 4.74 ug/ml



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

R.T.: 18.406 min
Delta R.T.: -0.011 min
Response: 634832
Conc: 4.59 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD052425AR\
Data File : FD049398.D
Signal(s) : FID2B.ch
Acq On : 23 May 2025 17:20
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 052425.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	4.484	4.562	BB	85326	731050	78.74%	4.688%
2	6.072	6.022	6.109	BB	87987	796108	85.74%	5.106%
3	7.126	7.070	7.162	BB	83969	805249	86.73%	5.164%
4	7.736	7.690	7.777	BB	81456	751932	80.99%	4.822%
5	8.404	8.360	8.444	BB	91997	884797	95.30%	5.674%
6	8.601	8.554	8.632	BB	52146	511438	55.08%	3.280%
7	8.700	8.645	8.730	BB	89912	867919	93.48%	5.566%
8	9.481	9.429	9.514	BB	89920	885007	95.32%	5.676%
9	10.879	10.832	10.924	BB	82476	854323	92.01%	5.479%
10	10.953	10.924	10.985	BB	75118	775977	83.58%	4.976%
11	11.646	11.595	11.680	BB	88450	928471	100.00%	5.954%
12	12.692	12.650	12.724	BB	76278	807720	86.99%	5.180%
13	12.990	12.940	13.029	BB	73769	802430	86.42%	5.146%
14	14.861	14.805	14.881	BV	58548	670532	72.22%	4.300%
15	14.902	14.881	14.940	VB	59155	678367	73.06%	4.350%
16	16.411	16.357	16.426	BV	58101	665740	71.70%	4.269%
17	16.442	16.426	16.490	VB	55686	664555	71.58%	4.262%
18	16.789	16.744	16.835	BB	52839	635737	68.47%	4.077%
19	18.153	18.112	18.172	BV	48094	586320	63.15%	3.760%
20	18.194	18.172	18.234	VB	53527	654634	70.51%	4.198%
21	18.406	18.374	18.439	BB	52226	634832	68.37%	4.071%
Sum of corrected areas:						15593139		

Aromatic EPH 052425.M Tue May 27 03:26:59 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD052425AR\
 Data File : FD049399.D
 Signal(s) : FID2B.ch
 Acq On : 23 May 2025 17:58
 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: May 27 03:18:00 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 052425.M
 Quant Title : GC Extractables
 QLast Update : Tue May 27 03:11:40 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...	7.737	3616066	21.753 ug/ml
Spiked Amount 50.000		Recovery =	43.51%
6) S 2-Fluorobiphenyl (SURR)	8.603	2500184	21.855 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	43.71%
11) S ortho-Terphenyl (SURR)	11.649	4388685	21.865 ug/ml
Spiked Amount 50.000		Recovery =	43.73%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.528	3443795	21.645 ug/ml
2) T Naphthalene (C11.7)	6.072	3809765	21.698 ug/ml
3) T 2-Methylnaphthalene (...)	7.127	3888757	21.768 ug/ml
5) T Acenaphthylene (C15.06)	8.406	4231022	21.842 ug/ml
7) T Acenaphthene (C15.5)	8.703	4150856	21.822 ug/ml
8) T Fluorene (C16.55)	9.484	4274922	21.864 ug/ml
9) T Phenanthrene (C19.36)	10.883	4164708	21.903 ug/ml
10) T Anthracene (C19.43)	10.957	3822300	21.864 ug/ml
12) T Fluoranthene (C21.85)	12.697	3962385	21.967 ug/ml
13) T Pyrene (C20.8)	12.995	3923212	21.981 ug/ml
14) T Benzo[a]anthracene (C...	14.867	3332701	21.927 ug/ml
15) T Chrysene (C27.41)	14.909	3329975	21.929 ug/ml
16) T benzo[b]fluoranthene ...	16.418	3165936	21.872 ug/ml
17) T Bnezo[k]fluoranthene ...	16.451	3134379	21.842 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.797	2963819	21.807 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.161	2755330	21.571 ug/ml
20) T Dibenz[a,h]anthracene...	18.201	2938167	21.825 ug/ml
21) T Benzo[g,h,i]perylene ...	18.418	2939897	21.812 ug/ml

(f)=RT Delta > 1/2 Window

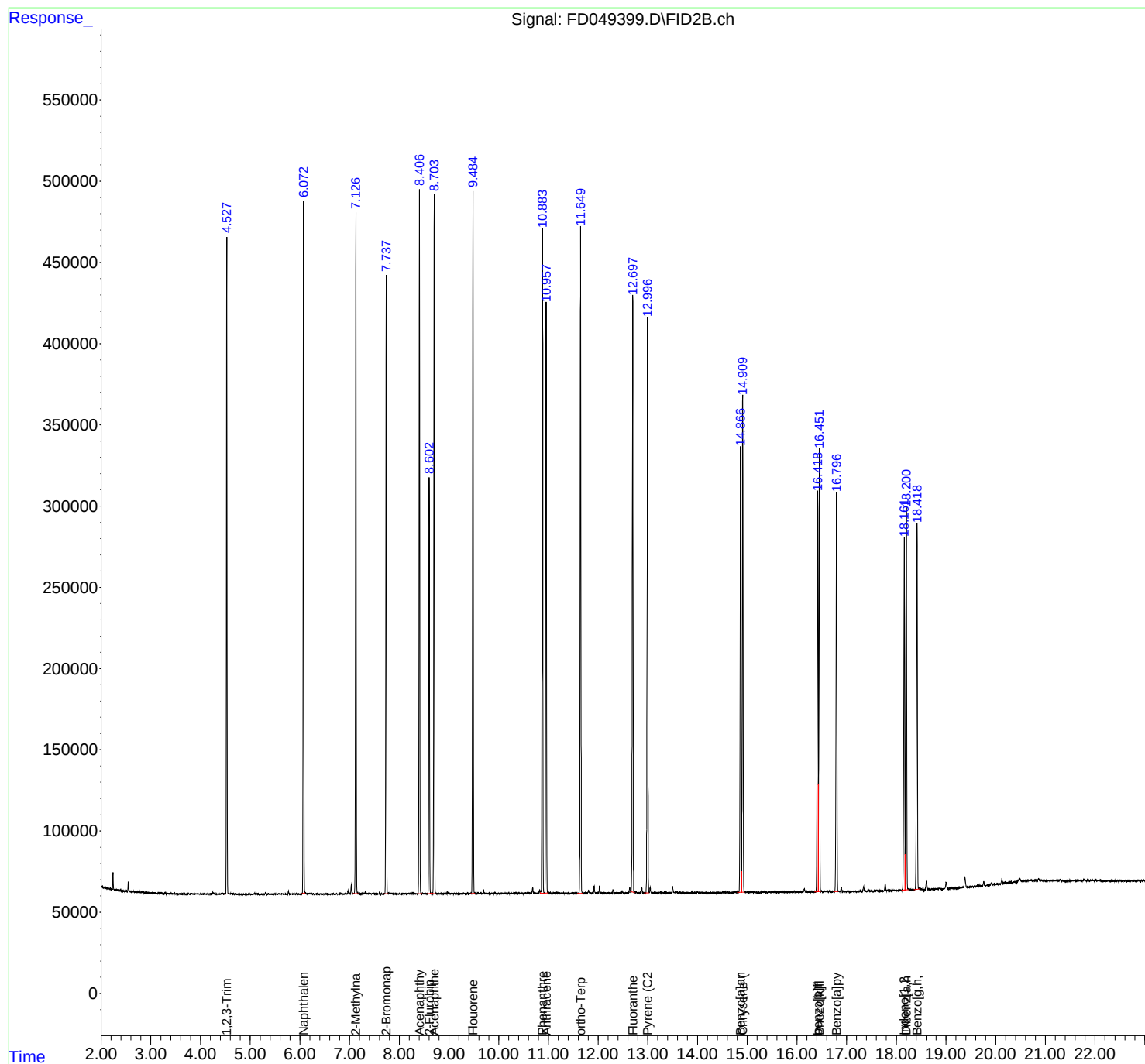
(m)=manual int.

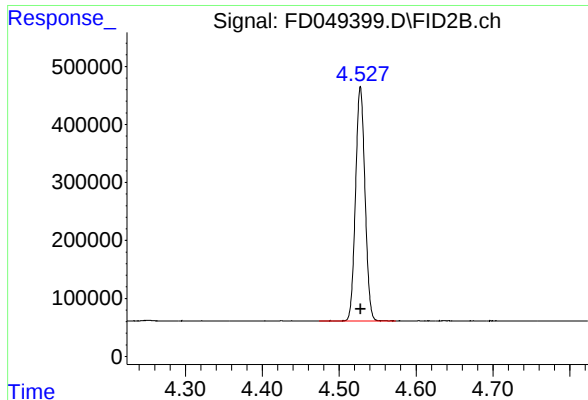
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD052425AR\
Data File : FD049399.D
Signal(s) : FID2B.ch
Acq On : 23 May 2025 17:58
Operator : YP/AJ
Sample : 20 PPM AROMATIC HC STD ICV
Misc :
ALS Vial : 66 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD ICV

Integration File: autoint1.e
Quant Time: May 27 03:18:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 052425.M
Quant Title : GC Extractables
QLast Update : Tue May 27 03:11:40 2025
Response via : Initial Calibration
Integrator: ChemStation

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

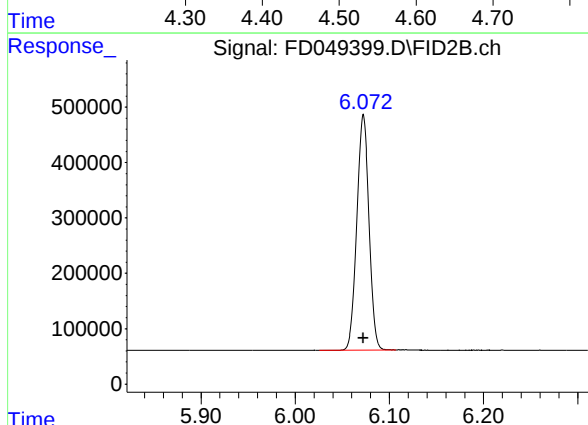




#1 1,2,3-Trimethylbenzene (C10.1)

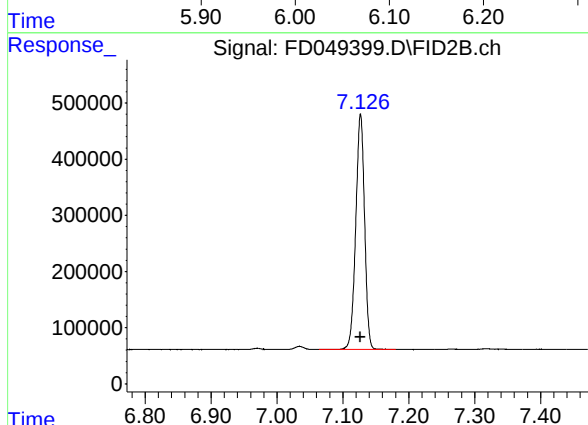
R.T.: 4.528 min
Delta R.T.: 0.000 min
Response: 3443795
Conc: 21.64 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD ICV



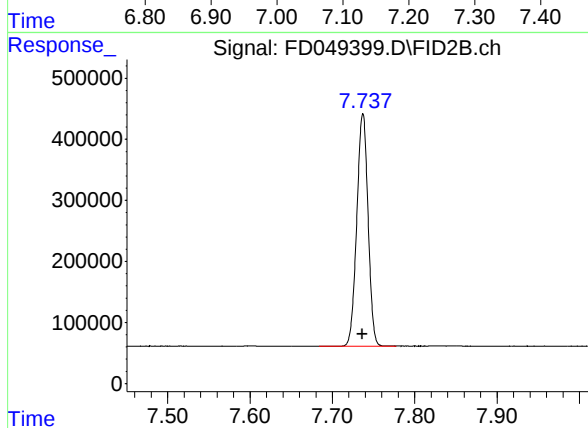
#2 Naphthalene (C11.7)

R.T.: 6.072 min
Delta R.T.: 0.000 min
Response: 3809765
Conc: 21.70 ug/ml



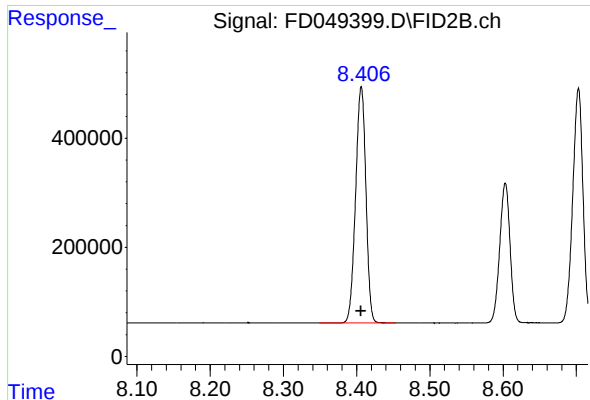
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.127 min
Delta R.T.: 0.000 min
Response: 3888757
Conc: 21.77 ug/ml



#4 2-Bromonaphthalene (SURR)

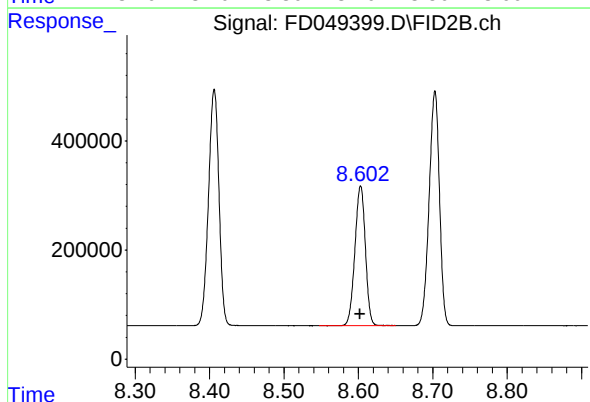
R.T.: 7.737 min
Delta R.T.: 0.000 min
Response: 3616066
Conc: 21.75 ug/ml



#5 Acenaphthylene (C15.06)

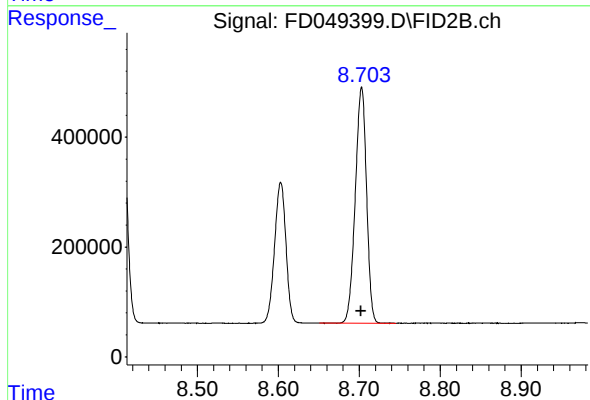
R.T.: 8.406 min
Delta R.T.: 0.000 min
Response: 4231022
Conc: 21.84 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD ICV



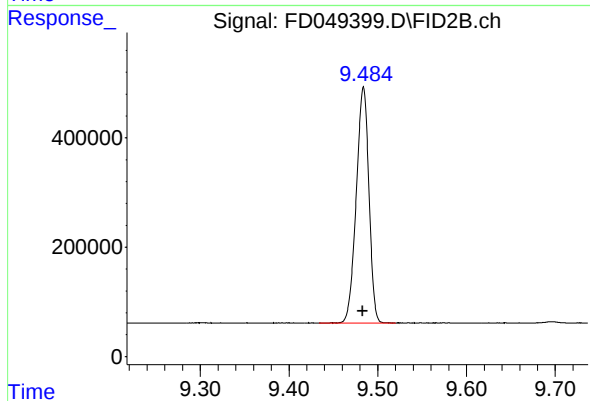
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.603 min
Delta R.T.: 0.000 min
Response: 2500184
Conc: 21.86 ug/ml



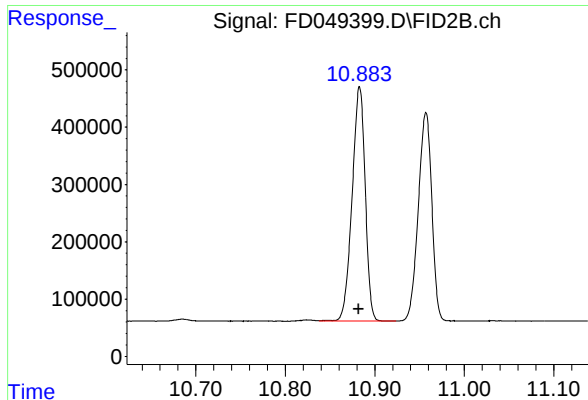
#7 Acenaphthene (C15.5)

R.T.: 8.703 min
Delta R.T.: 0.000 min
Response: 4150856
Conc: 21.82 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.484 min
Delta R.T.: 0.000 min
Response: 4274922
Conc: 21.86 ug/ml



#9 Phenanthrene (C19.36)

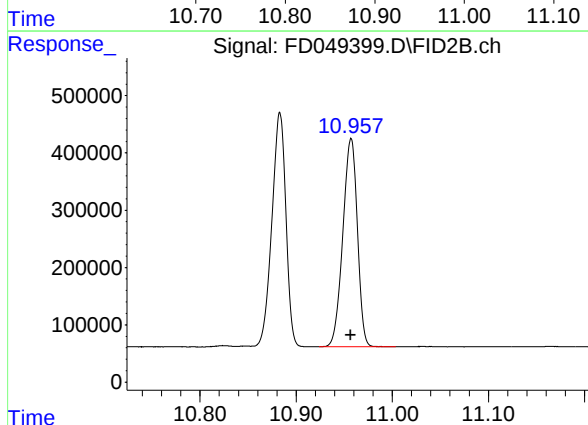
R.T.: 10.883 min
Delta R.T.: 0.000 min
Response: 4164708
Conc: 21.90 ug/ml

Instrument :

FID_D

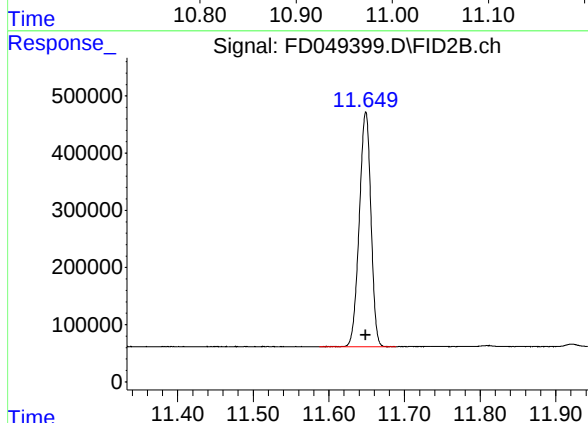
ClientSampleId :

20 PPM AROMATIC HC STD ICV



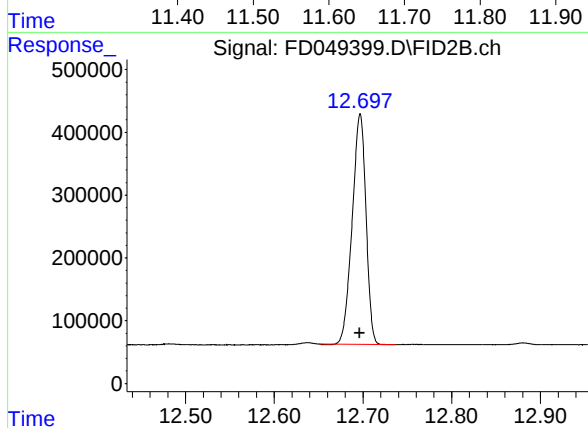
#10 Anthracene (C19.43)

R.T.: 10.957 min
Delta R.T.: 0.000 min
Response: 3822300
Conc: 21.86 ug/ml



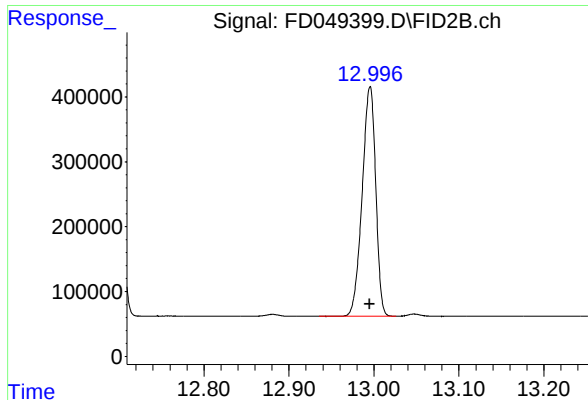
#11 ortho-Terphenyl (SURR)

R.T.: 11.649 min
Delta R.T.: 0.000 min
Response: 4388685
Conc: 21.86 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.697 min
Delta R.T.: 0.000 min
Response: 3962385
Conc: 21.97 ug/ml



#13 Pyrene (C20.8)

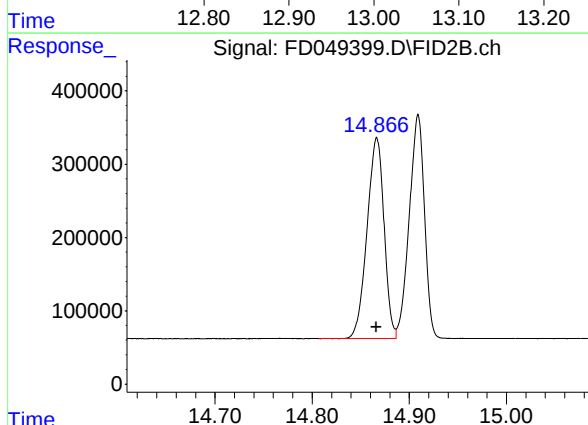
R.T.: 12.995 min
Delta R.T.: 0.000 min
Response: 3923212
Conc: 21.98 ug/ml

Instrument :

FID_D

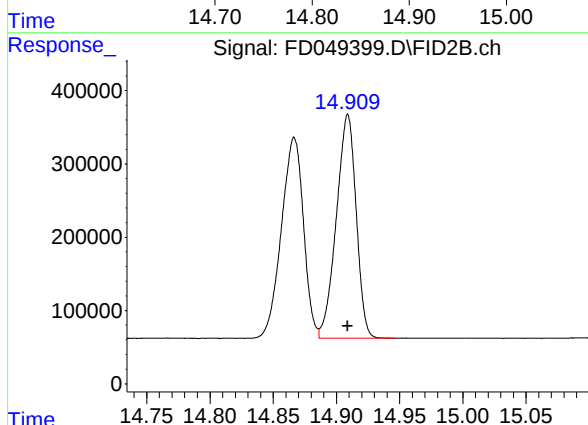
ClientSampleId :

20 PPM AROMATIC HC STD ICV



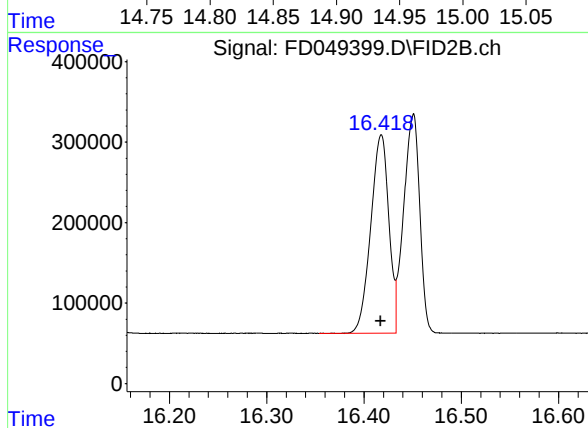
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.867 min
Delta R.T.: 0.000 min
Response: 3332701
Conc: 21.93 ug/ml



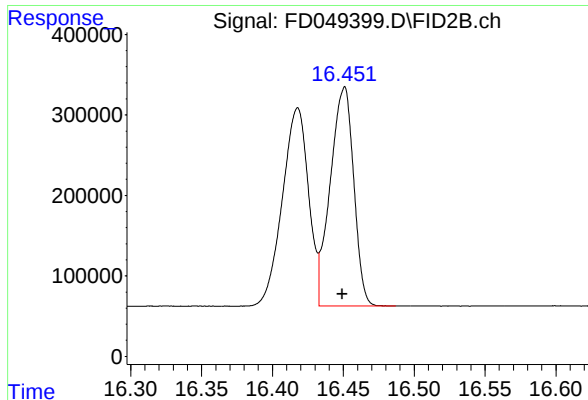
#15 Chrysene (C27.41)

R.T.: 14.909 min
Delta R.T.: 0.000 min
Response: 3329975
Conc: 21.93 ug/ml



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

R.T.: 16.418 min
Delta R.T.: 0.000 min
Response: 3165936
Conc: 21.87 ug/ml



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

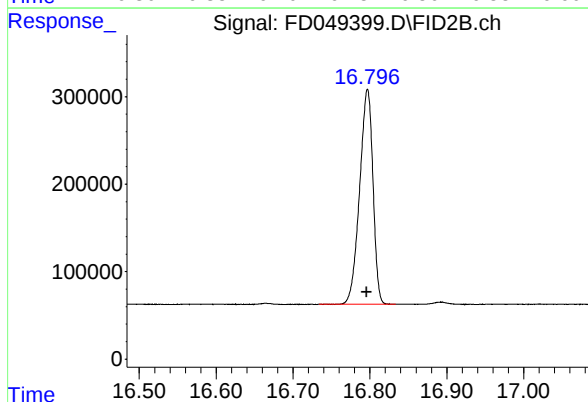
R.T.: 16.451 min
Delta R.T.: 0.001 min
Response: 3134379
Conc: 21.84 ug/ml

Instrument :

FID_D

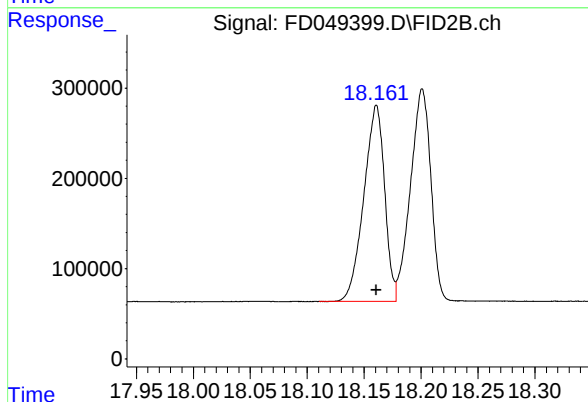
ClientSampleId :

20 PPM AROMATIC HC STD ICV



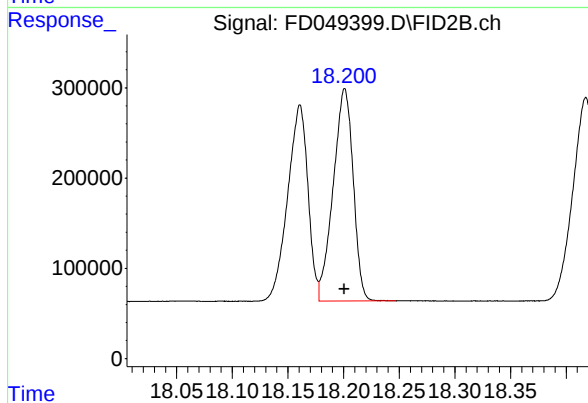
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.797 min
Delta R.T.: 0.000 min
Response: 2963819
Conc: 21.81 ug/ml



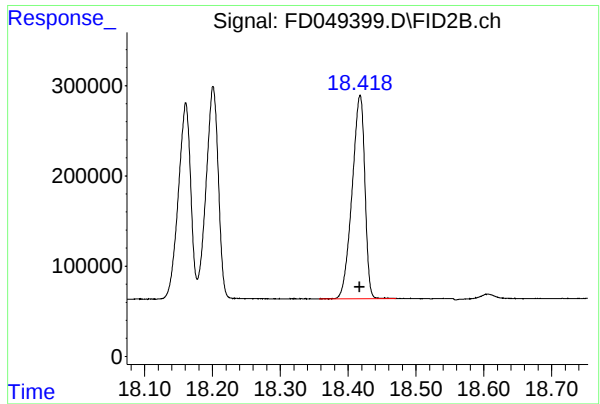
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.161 min
Delta R.T.: 0.000 min
Response: 2755330
Conc: 21.57 ug/ml



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

R.T.: 18.201 min
Delta R.T.: 0.000 min
Response: 2938167
Conc: 21.82 ug/ml



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

R.T.: 18.418 min
Delta R.T.: 0.000 min
Response: 2939897
Conc: 21.81 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD ICV

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD052425AR\
Data File : FD049399.D
Signal(s) : FID2B.ch
Acq On : 23 May 2025 17:58
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 052425.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	4.528	4.474	4.574	BB	403428	3443795	78.47%	4.608%
2	6.072	6.025	6.107	BB	424720	3809765	86.81%	5.098%
3	7.127	7.064	7.180	BB	419356	3888757	88.61%	5.203%
4	7.737	7.684	7.777	BB	380985	3616066	82.40%	4.838%
5	8.406	8.349	8.454	BB	433503	4231022	96.41%	5.661%
6	8.603	8.547	8.650	BB	256338	2500184	56.97%	3.345%
7	8.703	8.650	8.745	BB	430840	4150856	94.58%	5.554%
8	9.484	9.434	9.520	BB	432068	4274922	97.41%	5.720%
9	10.883	10.838	10.924	VV	407808	4164708	94.90%	5.572%
10	10.957	10.924	11.004	PB	363625	3822300	87.09%	5.114%
11	11.649	11.587	11.689	BB	410725	4388685	100.00%	5.872%
12	12.697	12.650	12.737	BB	367992	3962385	90.29%	5.302%
13	12.995	12.935	13.026	BV	354281	3923212	89.39%	5.249%
14	14.867	14.807	14.886	BV	273728	3332701	75.94%	4.459%
15	14.909	14.886	14.947	VB	305547	3329975	75.88%	4.456%
16	16.418	16.354	16.433	BV	246126	3165936	72.14%	4.236%
17	16.451	16.433	16.487	VB	271380	3134379	71.42%	4.194%
18	16.797	16.734	16.834	BB	246043	2963819	67.53%	3.966%
19	18.161	18.110	18.178	BV	217774	2755330	62.78%	3.687%
20	18.201	18.178	18.247	VB	235721	2938167	66.95%	3.931%
21	18.418	18.357	18.470	BB	225079	2939897	66.99%	3.934%
Sum of corrected areas:							74736862	

Aromatic EPH 052425.M Tue May 27 03:27:17 2025