

Initial Calibration Report for SequenceID : FF022625AR

AreaCount

Parameter Range	FF015527.D	FF015528.D	FF015529.D	FF015530.D	FF015531.D	
Aromatic C10-C12	23792031.000	12461970.000	5148350.000	2881825.000	1254262.000	
Aromatic C12-C16	37158993.000	19494885.000	8182790.000	4664527.000	2074624.000	
Aromatic C16-C21	50062741.000	26061188.000	10794938.000	6008191.000	2491814.000	
Aromatic C21-C36	110416619.000	57062327.000	23513894.000	13223167.000	5545443.000	
Aromatic EPH	221430384.000	115080370.000	47639972.000	26777710.000	11366143.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aromatic C10-C12	128361.211	7.376				
Aromatic C12-C16	136800.3086664	8.692				
Aromatic C16-C21	133038.9985	7.877				
Aromatic C21-C36	130055.838444	7.654				
Aromatic EPH	131654.5493328	7.699				

Concentration

Parameter Range	FF015527.D	FF015528.D	FF015529.D	FF015530.D	FF015531.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	FF015527.D	FF015528.D	FF015529.D	FF015530.D	FF015531.D	
Aromatic C10-C12	118960.155000	124619.700000	128708.750000	144091.250000	125426.200000	
Aromatic C12-C16	123863.310000	129965.900000	136379.833333	155484.233333	138308.266666	
Aromatic C16-C21	125156.852500	130305.940000	134936.725000	150204.775000	124590.700000	
Aromatic C21-C36	122685.132222	126805.171111	130632.744444	146924.077777	123232.066666	
Aromatic EPH	123016.880000	127867.077777	132333.255555	148765.055555	126290.477777	

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF022625AR\
 Data File : FF015527.D
 Signal(s) : FID2B.ch
 Acq On : 25 Feb 2025 09:00
 Operator : YP\AJ
 Sample : 100 PPM AROMATIC HC STD1
 Misc :
 ALS Vial : 71 Sample Multiplier: 1

Instrument :
 FID_F
 ClientSampleId :
 100 PPM AROMATIC HC STD1

Integration File: autoint1.e
 Quant Time: Feb 26 12:29:25 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 022625.M
 Quant Title : GC Extractables
 QLast Update : Wed Feb 26 12:26:20 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...	7.996	10994390	96.664 ug/ml
Spiked Amount 50.000		Recovery =	193.33%
6) S 2-Fluorobiphenyl (SURR)	8.873	7467126	99.792 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	199.58%#
11) S ortho-Terphenyl (SURR)	11.938	12986799	94.309 ug/ml
Spiked Amount 50.000		Recovery =	188.62%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.600	11629996	95.000 ug/ml
2) T Naphthalene (C11.7)	6.272	12162035	97.104 ug/ml
3) T 2-Methylnaphthalene (...)	7.370	12032920	96.653 ug/ml
5) T Acenaphthylene (C15.06)	8.673	12653113	94.888 ug/ml
7) T Acenaphthene (C15.5)	8.974	12472960	94.121 ug/ml
8) T Fluorene (C16.55)	9.763	12619708	96.602 ug/ml
9) T Phenanthrene (C19.36)	11.172	12461541	96.874 ug/ml
10) T Anthracene (C19.43)	11.248	12126064	96.961 ug/ml
12) T Fluoranthene (C21.85)	12.997	12920946	95.836 ug/ml
13) T Pyrene (C20.8)	13.297	12855428	94.626 ug/ml
14) T Benzo[a]anthracene (C...	15.181	12510176	99.595 ug/ml
15) T Chrysene (C27.41)	15.228	12789815	93.112 ug/ml
16) T benzo[b]fluoranthene ...	16.745	12667527	97.364 ug/ml
17) T Bnezo[k]fluoranthene ...	16.783	12754236	94.538 ug/ml
18) T Benzo[a]pyrene (C31.34)	17.127	12145429	100.391 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.505	11376975	105.977 ug/ml
20) T Dibenz[a,h]anthracene...	18.542	11542220	93.587 ug/ml
21) T Benzo[g,h,i]perylene ...	18.765	11709295	96.656 ug/ml

(f)=RT Delta > 1/2 Window

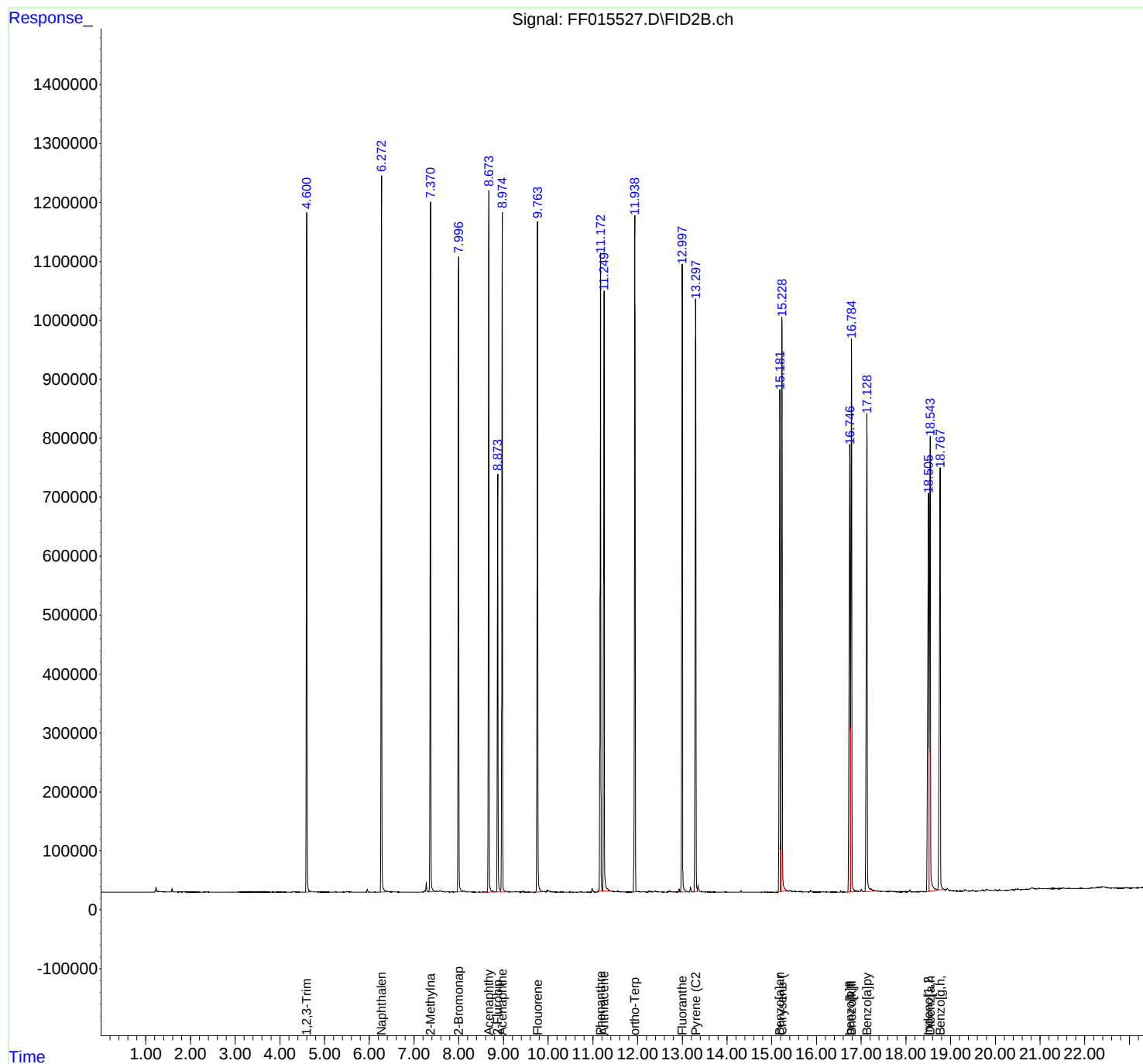
(m)=manual int.

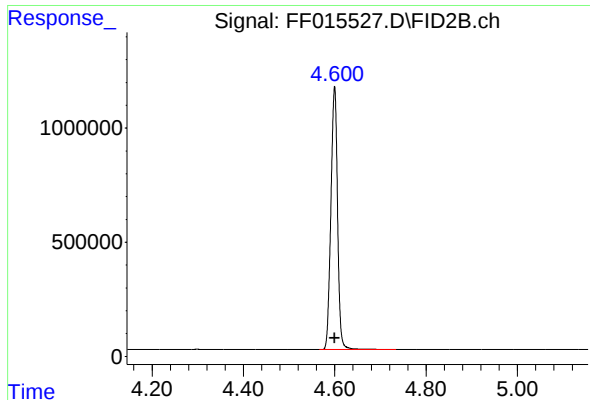
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF022625AR\
Data File : FF015527.D
Signal(s) : FID2B.ch
Acq On : 25 Feb 2025 09:00
Operator : YP\AJ
Sample : 100 PPM AROMATIC HC STD1
Misc :
ALS Vial : 71 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
100 PPM AROMATIC HC STD1

Integration File: autoint1.e
Quant Time: Feb 26 12:29:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 022625.M
Quant Title : GC Extractables
QLast Update : Wed Feb 26 12:26:20 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)

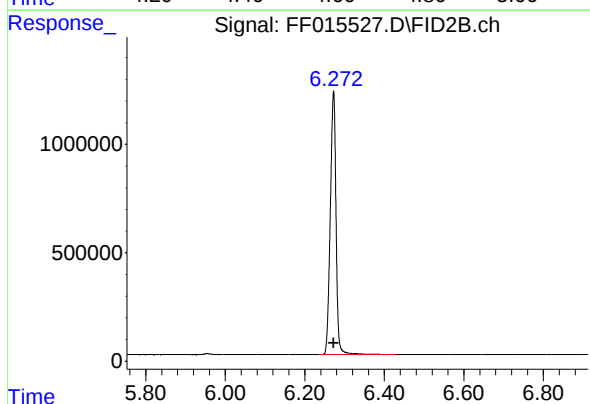
R.T.: 4.600 min
Delta R.T.: 0.000 min
Response: 11629996
Conc: 95.00 ug/ml

Instrument :

FID_F

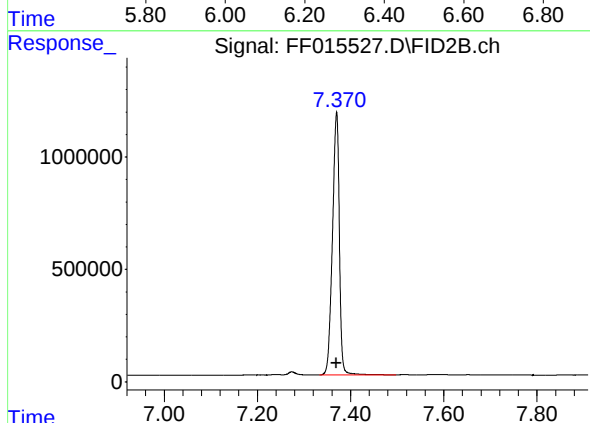
ClientSampleId :

100 PPM AROMATIC HC STD1



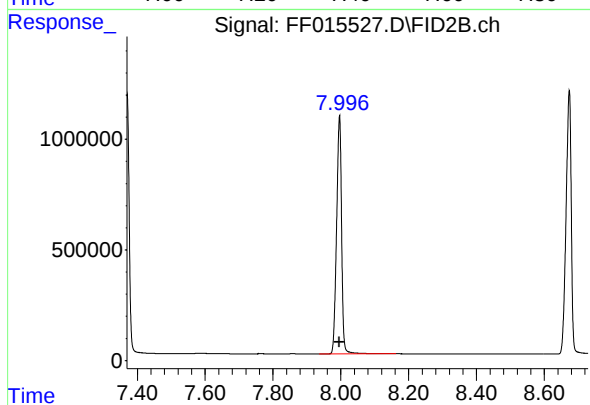
#2 Naphthalene (C11.7)

R.T.: 6.272 min
Delta R.T.: 0.000 min
Response: 12162035
Conc: 97.10 ug/ml



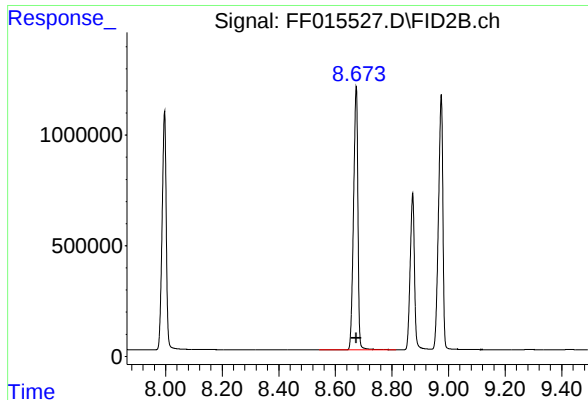
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.370 min
Delta R.T.: 0.000 min
Response: 12032920
Conc: 96.65 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.996 min
Delta R.T.: 0.000 min
Response: 10994390
Conc: 96.66 ug/ml



#5 Acenaphthylene (C15.06)

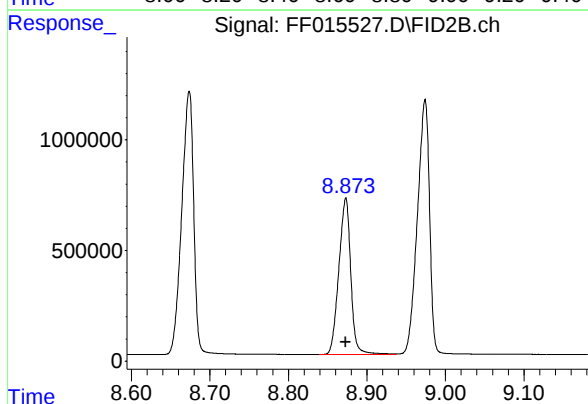
R.T.: 8.673 min
Delta R.T.: 0.000 min
Response: 12653113
Conc: 94.89 ug/ml

Instrument :

FID_F

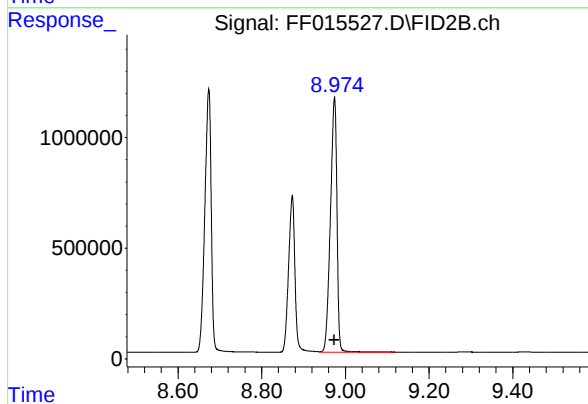
ClientSampleId :

100 PPM AROMATIC HC STD1



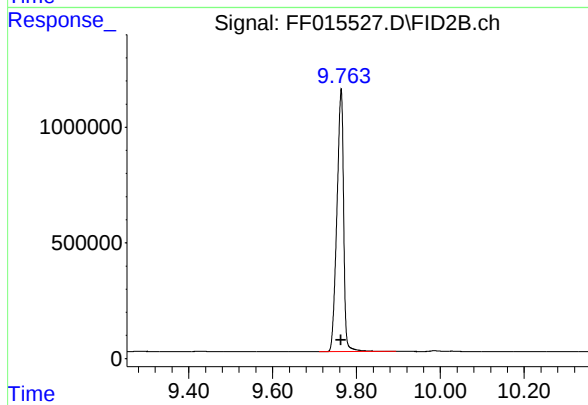
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.873 min
Delta R.T.: 0.000 min
Response: 7467126
Conc: 99.79 ug/ml



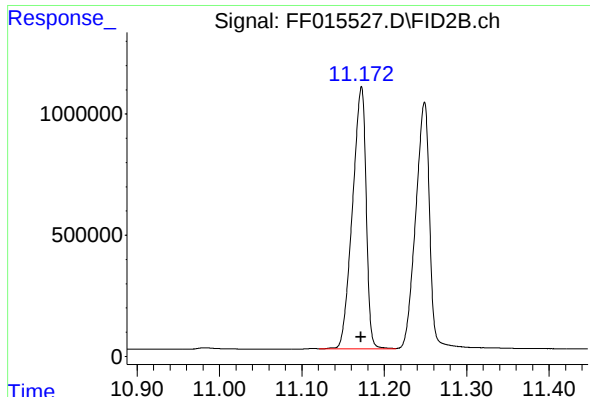
#7 Acenaphthene (C15.5)

R.T.: 8.974 min
Delta R.T.: 0.000 min
Response: 12472960
Conc: 94.12 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.763 min
Delta R.T.: 0.000 min
Response: 12619708
Conc: 96.60 ug/ml



#9 Phenanthrene (C19.36)

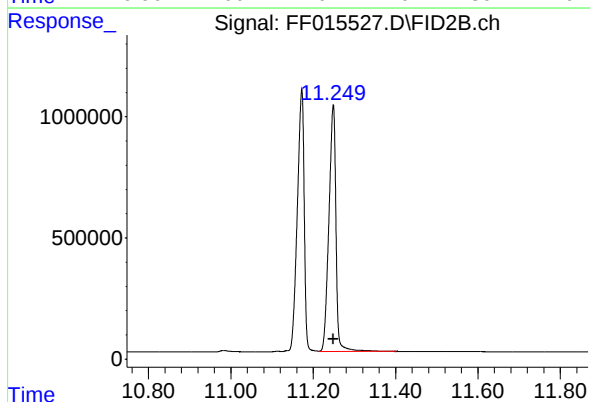
R.T.: 11.172 min
Delta R.T.: 0.000 min
Response: 12461541
Conc: 96.87 ug/ml

Instrument :

FID_F

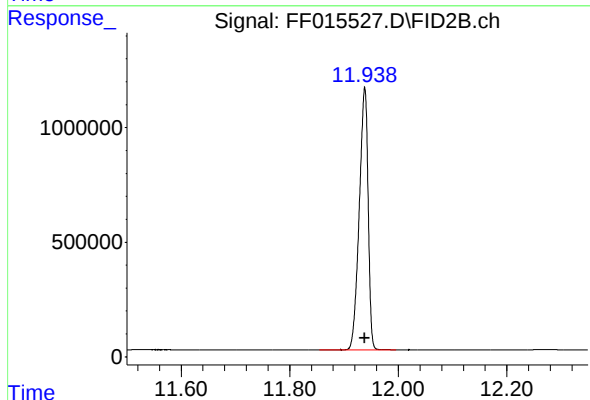
ClientSampleId :

100 PPM AROMATIC HC STD1



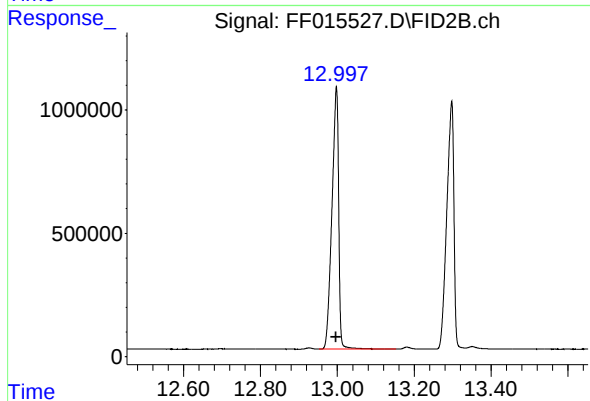
#10 Anthracene (C19.43)

R.T.: 11.248 min
Delta R.T.: 0.000 min
Response: 12126064
Conc: 96.96 ug/ml



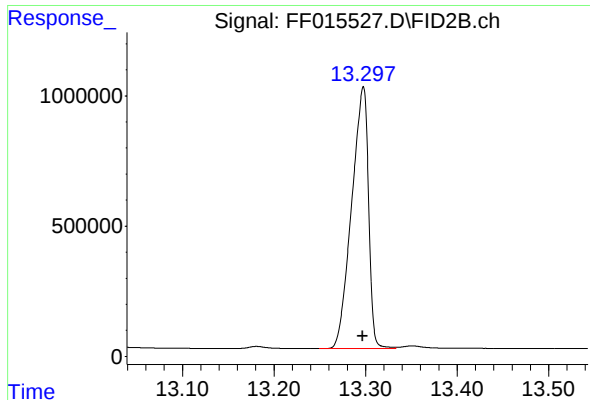
#11 ortho-Terphenyl (SURRE)

R.T.: 11.938 min
Delta R.T.: 0.000 min
Response: 12986799
Conc: 94.31 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.997 min
Delta R.T.: 0.000 min
Response: 12920946
Conc: 95.84 ug/ml



#13 Pyrene (C20.8)

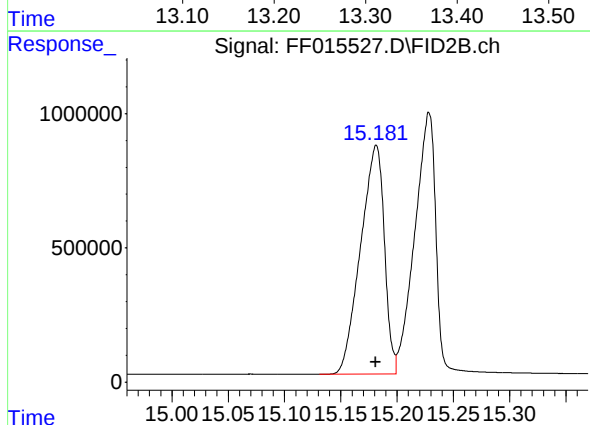
R.T.: 13.297 min
Delta R.T.: 0.000 min
Response: 12855428
Conc: 94.63 ug/ml

Instrument :

FID_F

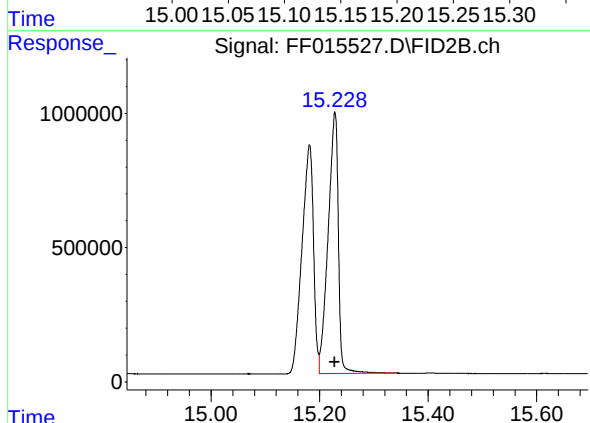
ClientSampleId :

100 PPM AROMATIC HC STD1



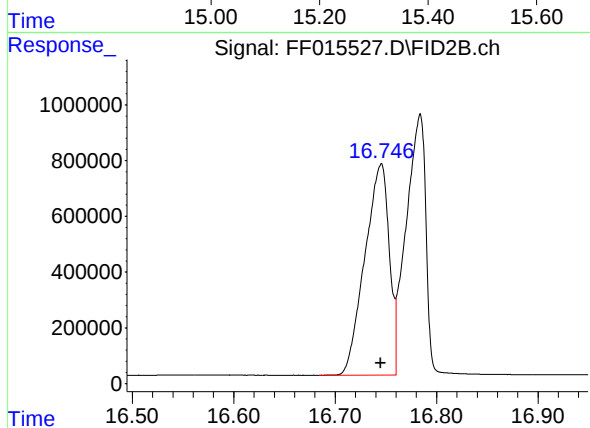
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.181 min
Delta R.T.: 0.000 min
Response: 12510176
Conc: 99.60 ug/ml



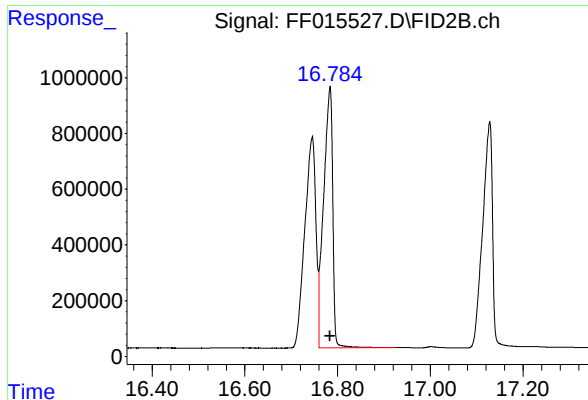
#15 Chrysene (C27.41)

R.T.: 15.228 min
Delta R.T.: 0.000 min
Response: 12789815
Conc: 93.11 ug/ml



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

R.T.: 16.745 min
Delta R.T.: 0.000 min
Response: 12667527
Conc: 97.36 ug/ml



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

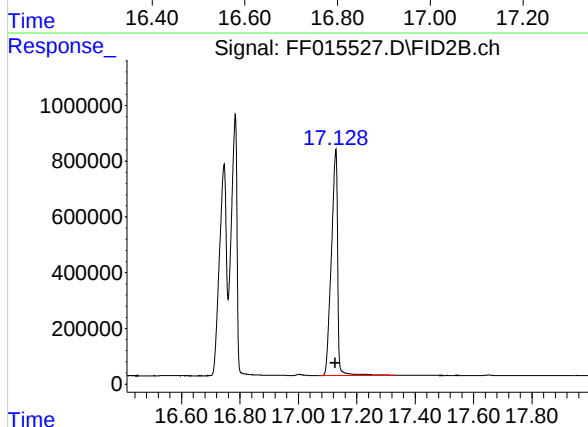
R.T.: 16.783 min
Delta R.T.: 0.000 min
Response: 12754236
Conc: 94.54 ug/ml

Instrument :

FID_F

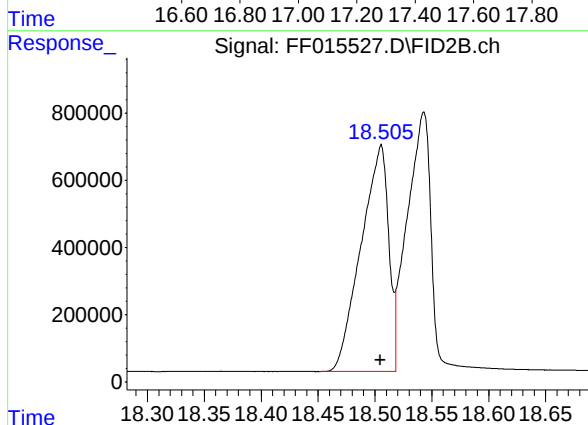
ClientSampleId :

100 PPM AROMATIC HC STD1



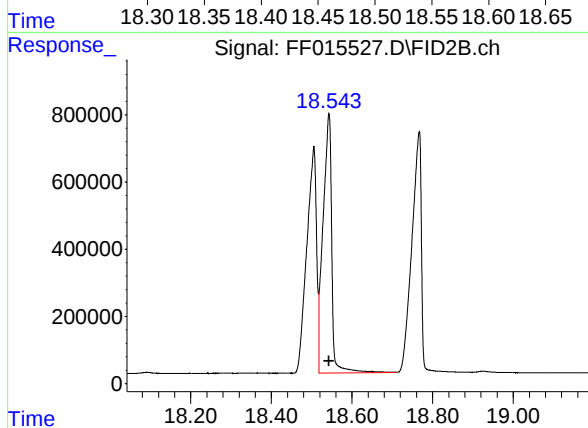
#18 Benzo[a]pyrene (C31.34)

R.T.: 17.127 min
Delta R.T.: 0.000 min
Response: 12145429
Conc: 100.39 ug/ml



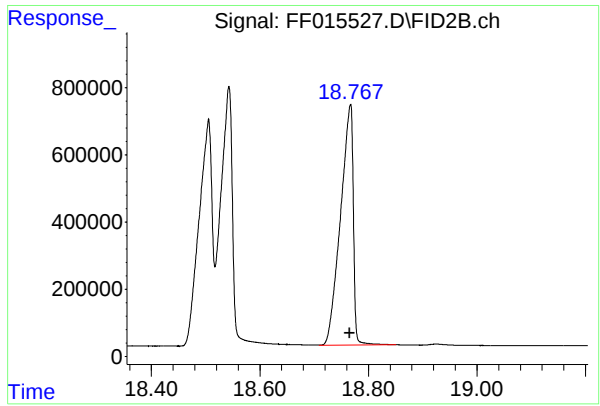
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.505 min
Delta R.T.: 0.000 min
Response: 11376975
Conc: 105.98 ug/ml



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

R.T.: 18.542 min
Delta R.T.: 0.000 min
Response: 11542220
Conc: 93.59 ug/ml



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

R.T.: 18.765 min
Delta R.T.: 0.000 min
Response: 11709295
Conc: 96.66 ug/ml

Instrument :

FID_F

ClientSampleId :

100 PPM AROMATIC HC STD1

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF022625AR\
Data File : FF015527.D
Signal(s) : FID2B.ch
Acq On : 25 Feb 2025 09:00
Sample : 100 PPM AROMATIC HC STD1
Misc :
ALS Vial : 71 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 022625.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	4.600	4.566	4.734	BB	1152082	11629996	89.55%	4.599%
2	6.272	6.236	6.429	BB	1218951	12162035	93.65%	4.809%
3	7.370	7.332	7.497	PV	1161350	12032920	92.66%	4.758%
4	7.996	7.936	8.162	BB	1077251	10994390	84.66%	4.348%
5	8.673	8.542	8.814	BB	1185812	12653113	97.43%	5.004%
6	8.873	8.839	8.937	BV	704745	7467126	57.50%	2.953%
7	8.974	8.937	9.121	VB	1154825	12472960	96.04%	4.932%
8	9.763	9.711	9.894	BB	1124636	12619708	97.17%	4.990%
9	11.172	11.121	11.214	BV	1087677	12461541	95.96%	4.928%
10	11.248	11.214	11.401	VBA	1024153	12126064	93.37%	4.795%
11	11.938	11.854	11.996	BB	1143374	12986799	100.00%	5.136%
12	12.997	12.952	13.152	VB	1068279	12920946	99.49%	5.110%
13	13.297	13.249	13.333	BV	1008180	12855428	98.99%	5.084%
14	15.181	15.131	15.199	BV	852704	12510176	96.33%	4.947%
15	15.228	15.199	15.341	VBA	974664	12789815	98.48%	5.058%
16	16.745	16.684	16.760	BV	753666	12667527	97.54%	5.009%
17	16.783	16.760	16.926	VB	928653	12754236	98.21%	5.044%
18	17.127	17.071	17.334	BB	807969	12145429	93.52%	4.803%
19	18.505	18.451	18.518	BV	665896	11376975	87.60%	4.499%
20	18.542	18.518	18.709	VV	771751	11542220	88.88%	4.564%
21	18.765	18.709	18.851	VBA	712641	11709295	90.16%	4.630%
Sum of corrected areas:						252878700		

Aromatic EPH 022625.M Wed Feb 26 12:47:18 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF022625AR\
 Data File : FF015528.D
 Signal(s) : FID2B.ch
 Acq On : 25 Feb 2025 09:30
 Operator : YP\AJ
 Sample : 50 PPM AROMATIC HC STD2
 Misc :
 ALS Vial : 72 Sample Multiplier: 1

Instrument :
 FID_F
 ClientSampleId :
 50 PPM AROMATIC HC STD2

Integration File: autoint1.e
 Quant Time: Feb 26 12:31:16 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 022625.M
 Quant Title : GC Extractables
 QLast Update : Wed Feb 26 12:26:20 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...	7.996	5704504	50.103 ug/ml
Spiked Amount 50.000		Recovery =	100.21%
6) S 2-Fluorobiphenyl (SURR)	8.871	3814026	50.643 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	101.29%
11) S ortho-Terphenyl (SURR)	11.935	6832040	49.742 ug/ml
Spiked Amount 50.000		Recovery =	99.48%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.602	6140419	50.105 ug/ml
2) T Naphthalene (C11.7)	6.273	6321551	50.314 ug/ml
3) T 2-Methylnaphthalene (...)	7.370	6257474	50.175 ug/ml
5) T Acenaphthylene (C15.06)	8.671	6644719	49.887 ug/ml
7) T Acenaphthene (C15.5)	8.970	6592692	49.832 ug/ml
8) T Fluorene (C16.55)	9.760	6568021	50.185 ug/ml
9) T Phenanthrene (C19.36)	11.168	6485720	50.279 ug/ml
10) T Anthracene (C19.43)	11.243	6294334	50.220 ug/ml
12) T Fluoranthene (C21.85)	12.992	6736882	49.979 ug/ml
13) T Pyrene (C20.8)	13.290	6713113	49.608 ug/ml
14) T Benzo[a]anthracene (C...	15.173	6382398	50.538 ug/ml
15) T Chrysene (C27.41)	15.217	6702862	49.192 ug/ml
16) T benzo[b]fluoranthene ...	16.736	6507369	50.011 ug/ml
17) T Bnezo[k]fluoranthene ...	16.770	6701753	49.386 ug/ml
18) T Benzo[a]pyrene (C31.34)	17.116	6283729	51.277 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.492	5436862	50.428 ug/ml
20) T Dibenz[a,h]anthracene...	18.528	6261165	49.789 ug/ml
21) T Benzo[g,h,i]perylene ...	18.749	6049307	49.956 ug/ml

(f)=RT Delta > 1/2 Window

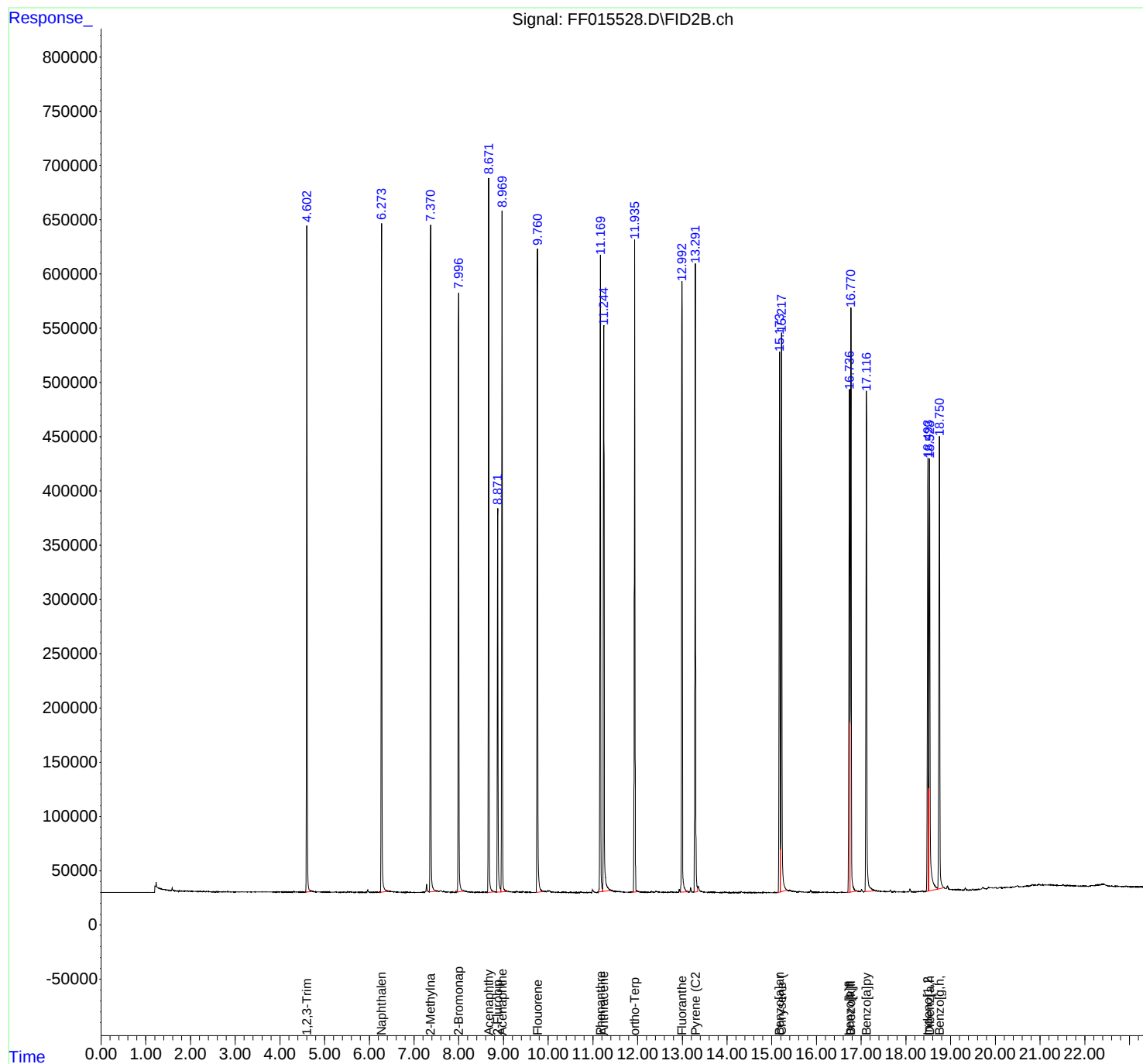
(m)=manual int.

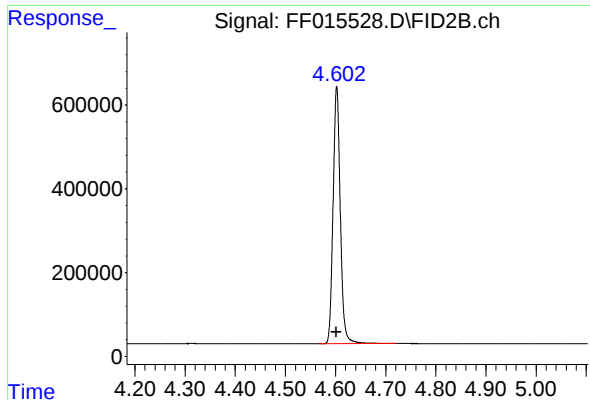
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF022625AR\
Data File : FF015528.D
Signal(s) : FID2B.ch
Acq On : 25 Feb 2025 09:30
Operator : YP\AJ
Sample : 50 PPM AROMATIC HC STD2
Misc :
ALS Vial : 72 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
50 PPM AROMATIC HC STD2

Integration File: autoint1.e
Quant Time: Feb 26 12:31:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 022625.M
Quant Title : GC Extractables
QLast Update : Wed Feb 26 12:26:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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

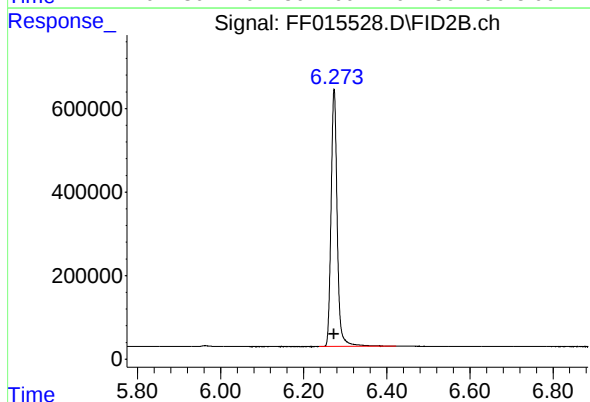




#1 1,2,3-Trimethylbenzene (C10.1)

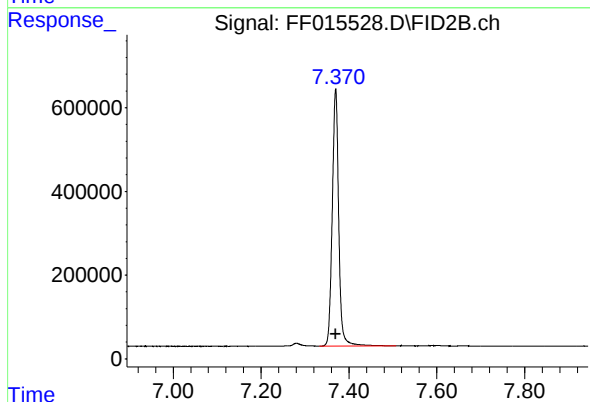
R.T.: 4.602 min
Delta R.T.: 0.000 min
Response: 6140419
Conc: 50.11 ug/ml

Instrument :
FID_F
ClientSampleId :
50 PPM AROMATIC HC STD2



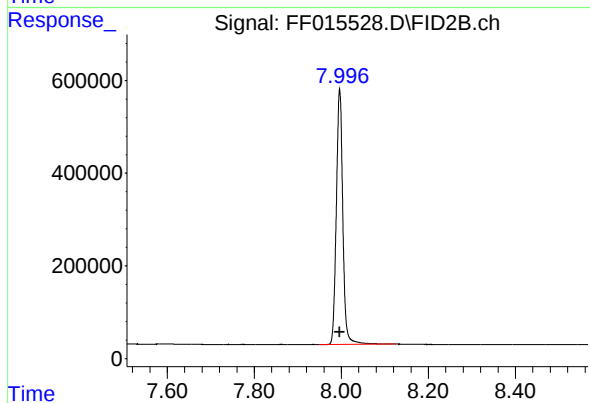
#2 Naphthalene (C11.7)

R.T.: 6.273 min
Delta R.T.: 0.000 min
Response: 6321551
Conc: 50.31 ug/ml



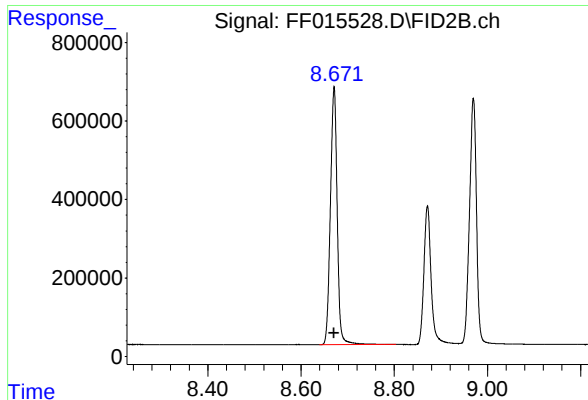
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.370 min
Delta R.T.: 0.000 min
Response: 6257474
Conc: 50.17 ug/ml



#4 2-Bromonaphthalene (SURR)

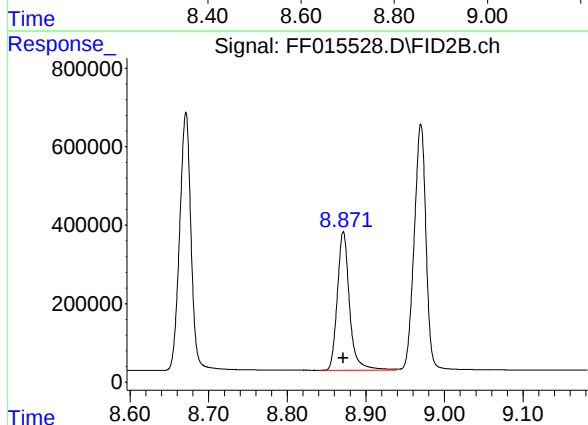
R.T.: 7.996 min
Delta R.T.: 0.000 min
Response: 5704504
Conc: 50.10 ug/ml



#5 Acenaphthylene (C15.06)

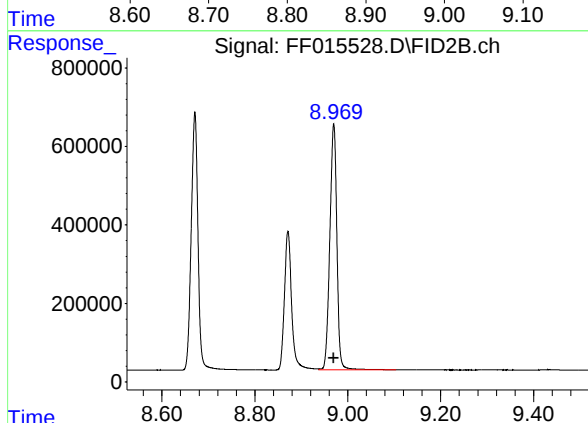
R.T.: 8.671 min
Delta R.T.: 0.000 min
Response: 6644719
Conc: 49.89 ug/ml

Instrument :
FID_F
ClientSampleId :
50 PPM AROMATIC HC STD2



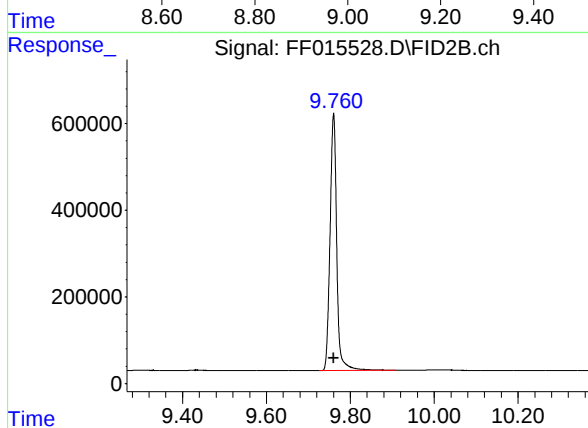
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.871 min
Delta R.T.: 0.000 min
Response: 3814026
Conc: 50.64 ug/ml



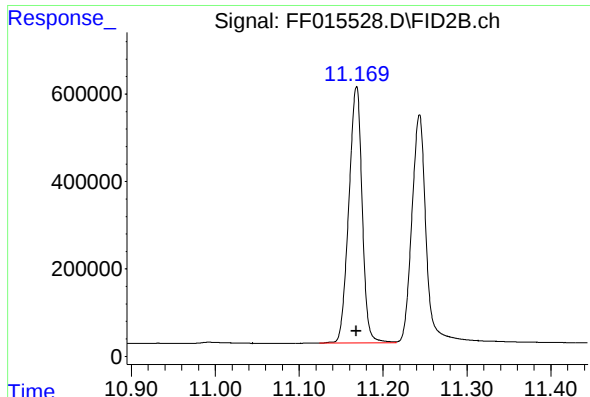
#7 Acenaphthene (C15.5)

R.T.: 8.970 min
Delta R.T.: 0.000 min
Response: 6592692
Conc: 49.83 ug/ml



#8 Fluorene (C16.55)

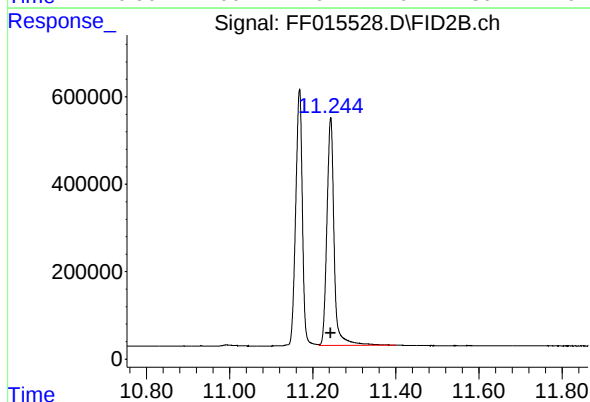
R.T.: 9.760 min
Delta R.T.: 0.000 min
Response: 6568021
Conc: 50.18 ug/ml



#9 Phenanthrene (C19.36)

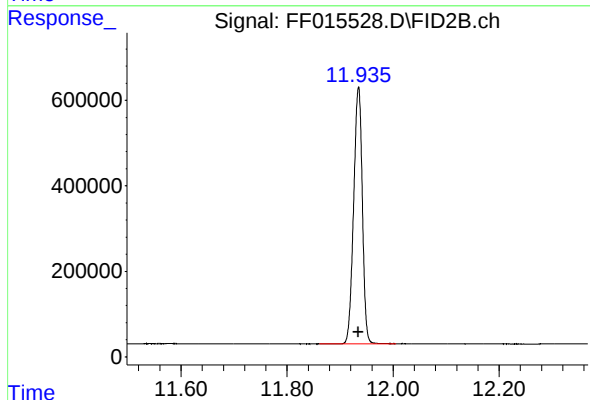
R.T.: 11.168 min
Delta R.T.: 0.000 min
Response: 6485720
Conc: 50.28 ug/ml

Instrument :
FID_F
ClientSampleId :
50 PPM AROMATIC HC STD2



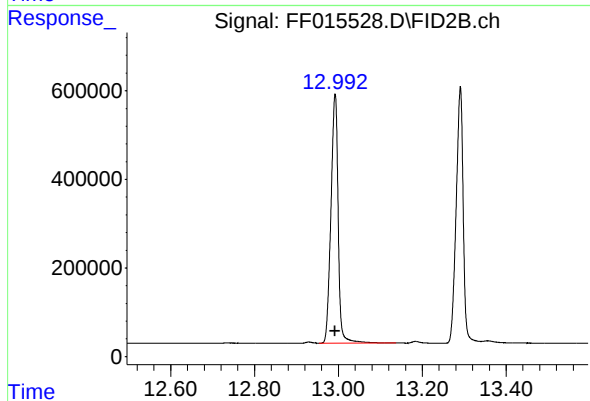
#10 Anthracene (C19.43)

R.T.: 11.243 min
Delta R.T.: 0.000 min
Response: 6294334
Conc: 50.22 ug/ml



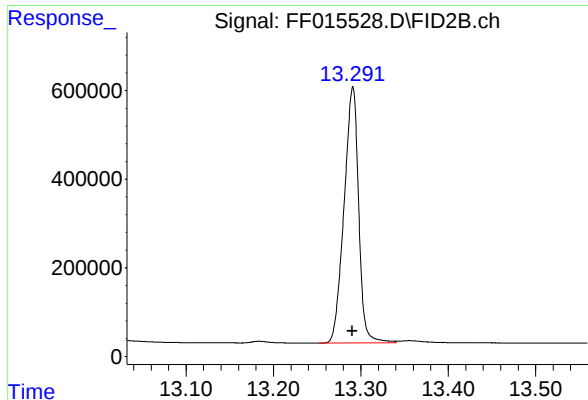
#11 ortho-Terphenyl (SURR)

R.T.: 11.935 min
Delta R.T.: 0.000 min
Response: 6832040
Conc: 49.74 ug/ml



#12 Fluoranthene (C21.85)

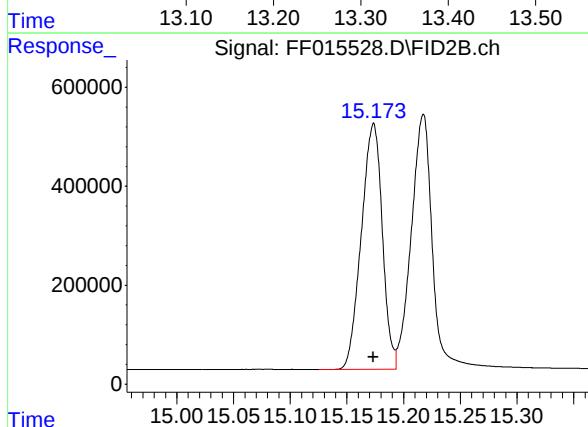
R.T.: 12.992 min
Delta R.T.: 0.000 min
Response: 6736882
Conc: 49.98 ug/ml



#13 Pyrene (C20.8)

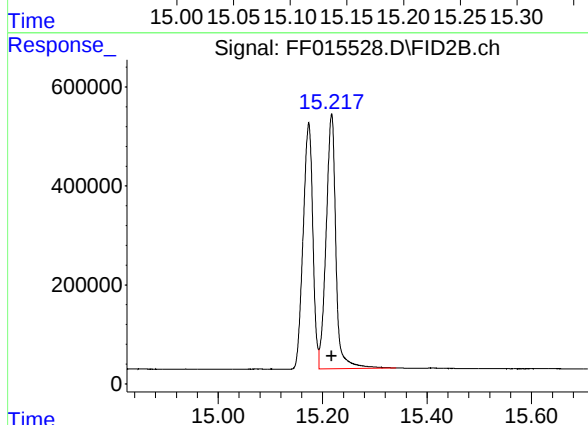
R.T.: 13.290 min
Delta R.T.: 0.000 min
Response: 6713113
Conc: 49.61 ug/ml

Instrument :
FID_F
ClientSampleId :
50 PPM AROMATIC HC STD2



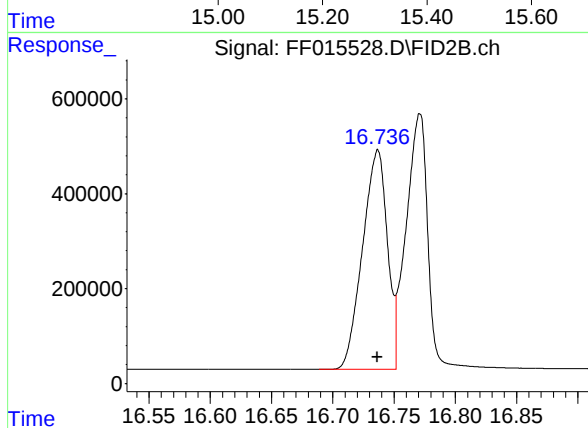
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.173 min
Delta R.T.: 0.000 min
Response: 6382398
Conc: 50.54 ug/ml



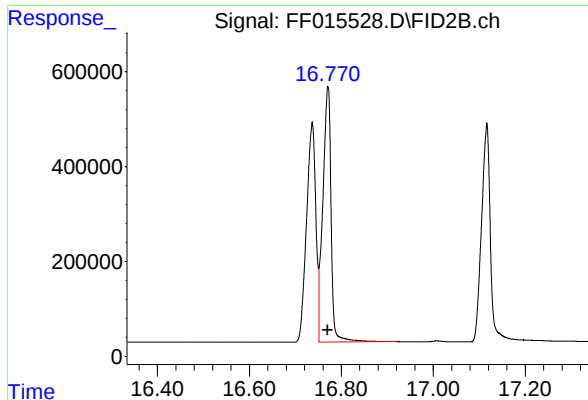
#15 Chrysene (C27.41)

R.T.: 15.217 min
Delta R.T.: 0.000 min
Response: 6702862
Conc: 49.19 ug/ml



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

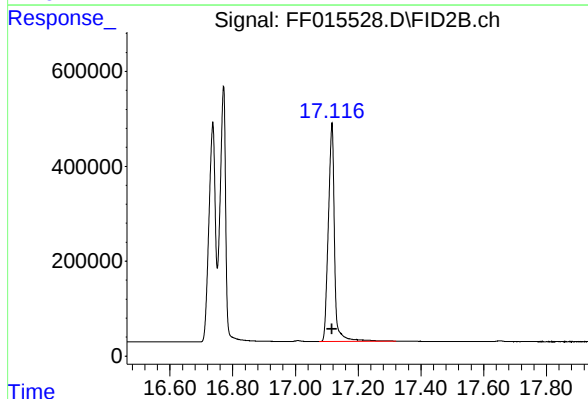
R.T.: 16.736 min
Delta R.T.: 0.000 min
Response: 6507369
Conc: 50.01 ug/ml



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

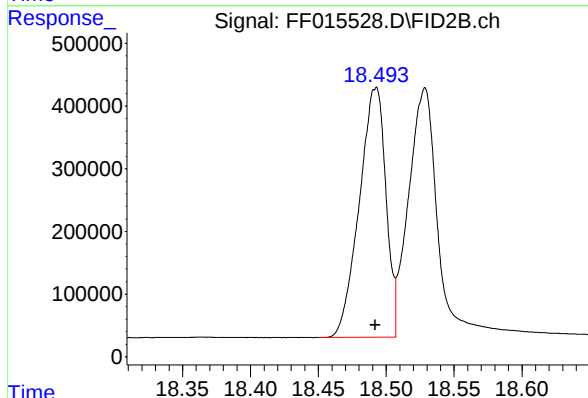
R.T.: 16.770 min
Delta R.T.: 0.000 min
Response: 6701753
Conc: 49.39 ug/ml

Instrument :
FID_F
ClientSampleId :
50 PPM AROMATIC HC STD2



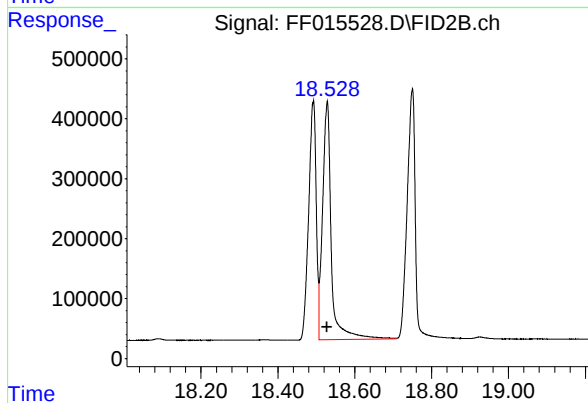
#18 Benzo[a]pyrene (C31.34)

R.T.: 17.116 min
Delta R.T.: 0.000 min
Response: 6283729
Conc: 51.28 ug/ml



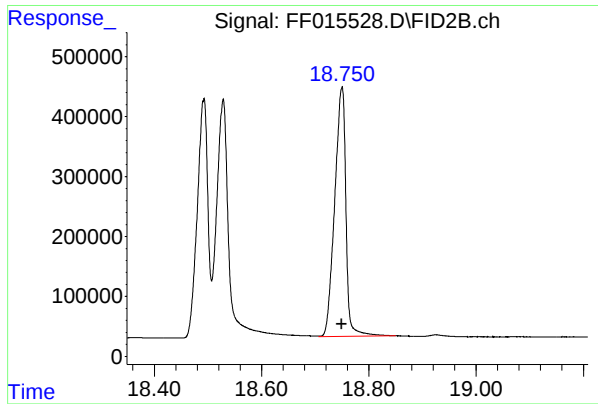
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.492 min
Delta R.T.: 0.000 min
Response: 5436862
Conc: 50.43 ug/ml



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

R.T.: 18.528 min
Delta R.T.: 0.000 min
Response: 6261165
Conc: 49.79 ug/ml



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

R.T.: 18.749 min

Delta R.T.: 0.000 min

Response: 6049307

Conc: 49.96 ug/ml

Instrument :

FID_F

ClientSampleId :

50 PPM AROMATIC HC STD2

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF022625AR\
 Data File : FF015528.D
 Signal(s) : FID2B.ch
 Acq On : 25 Feb 2025 09:30
 Sample : 50 PPM AROMATIC HC STD2
 Misc :
 ALS Vial : 72 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 022625.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	4.602	4.567	4.720	BB	613956	6140419	89.88%	4.672%
2	6.273	6.237	6.422	BB	617127	6321551	92.53%	4.810%
3	7.370	7.332	7.507	VV	617635	6257474	91.59%	4.761%
4	7.996	7.949	8.125	BB	550176	5704504	83.50%	4.340%
5	8.671	8.639	8.804	BB	656770	6644719	97.26%	5.056%
6	8.871	8.840	8.938	BV	354018	3814026	55.83%	2.902%
7	8.970	8.938	9.104	VB	628126	6592692	96.50%	5.016%
8	9.760	9.725	9.909	BB	594268	6568021	96.14%	4.997%
9	11.168	11.124	11.215	BV	589305	6485720	94.93%	4.935%
10	11.243	11.215	11.400	VBA	523723	6294334	92.13%	4.789%
11	11.935	11.860	12.005	BB	604176	6832040	100.00%	5.198%
12	12.992	12.954	13.137	VB	564012	6736882	98.61%	5.126%
13	13.290	13.252	13.340	BV	578658	6713113	98.26%	5.108%
14	15.173	15.125	15.193	BV	498907	6382398	93.42%	4.856%
15	15.217	15.193	15.340	VBA	515294	6702862	98.11%	5.100%
16	16.736	16.689	16.752	BV	464318	6507369	95.25%	4.951%
17	16.770	16.752	16.919	VB	539771	6701753	98.09%	5.099%
18	17.116	17.075	17.320	BB	455878	6283729	91.97%	4.781%
19	18.492	18.450	18.507	BV	396677	5436862	79.58%	4.137%
20	18.528	18.507	18.707	VV	399735	6261165	91.64%	4.764%
21	18.749	18.707	18.850	VBA	414410	6049307	88.54%	4.603%
Sum of corrected areas:						131430938		

Aromatic EPH 022625.M Wed Feb 26 12:46:47 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF022625AR\
 Data File : FF015529.D
 Signal(s) : FID2B.ch
 Acq On : 25 Feb 2025 09:59
 Operator : YP\AJ
 Sample : 20 PPM AROMATIC HC STD3
 Misc :
 ALS Vial : 73 Sample Multiplier: 1

Instrument :
 FID_F
 ClientSampleId :
 20 PPM AROMATIC HC STD3

Integration File: autoint1.e
 Quant Time: Feb 26 12:27:10 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 022625.M
 Quant Title : GC Extractables
 QLast Update : Wed Feb 26 12:26:20 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...	7.996	2350631	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
6) S 2-Fluorobiphenyl (SURR)	8.872	1499662	20.000 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	40.00%
11) S ortho-Terphenyl (SURR)	11.933	2910848	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.603	2570851	20.000 ug/ml
2) T Naphthalene (C11.7)	6.274	2577499	20.000 ug/ml
3) T 2-Methylnaphthalene (...)	7.370	2573276	20.000 ug/ml
5) T Acenaphthylene (C15.06)	8.670	2803283	20.000 ug/ml
7) T Acenaphthene (C15.5)	8.968	2806231	20.000 ug/ml
8) T Fluorene (C16.55)	9.760	2701482	20.000 ug/ml
9) T Phenanthrene (C19.36)	11.166	2653141	20.000 ug/ml
10) T Anthracene (C19.43)	11.242	2577211	20.000 ug/ml
12) T Fluoranthene (C21.85)	12.988	2808741	20.000 ug/ml
13) T Pyrene (C20.8)	13.287	2863104	20.000 ug/ml
14) T Benzo[a]anthracene (C...	15.169	2522372	20.000 ug/ml
15) T Chrysene (C27.41)	15.211	2936432	20.000 ug/ml
16) T benzo[b]fluoranthene ...	16.730	2670667	20.000 ug/ml
17) T Bnezo[k]fluoranthene ...	16.761	2910573	20.000 ug/ml
18) T Benzo[a]pyrene (C31.34)	17.111	2410168	20.000 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.484	2018742	20.000 ug/ml
20) T Dibenz[a,h]anthracene...	18.522	2732285	20.000 ug/ml
21) T Benzo[g,h,i]perylene ...	18.738	2503914	20.000 ug/ml

(f)=RT Delta > 1/2 Window

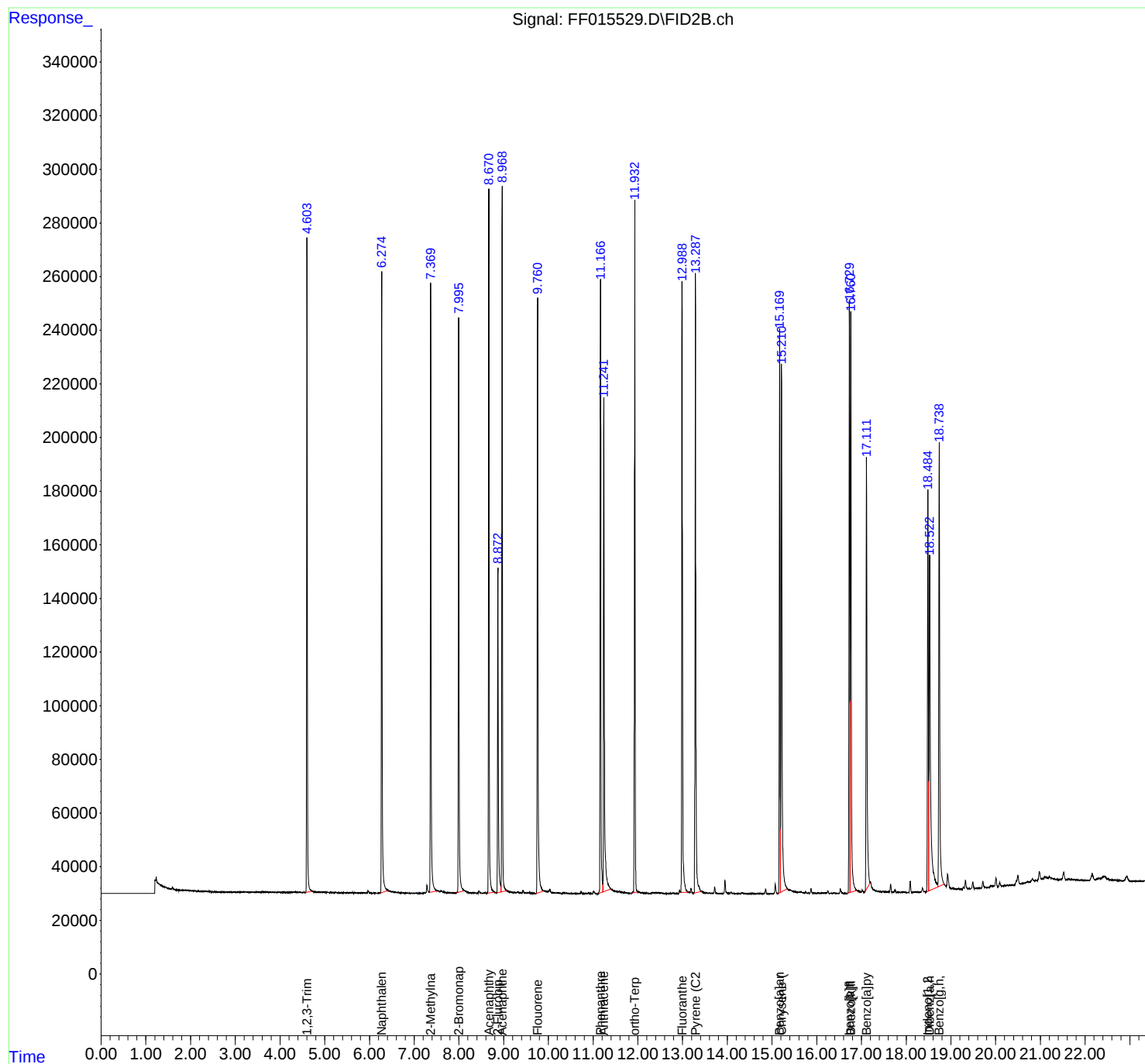
(m)=manual int.

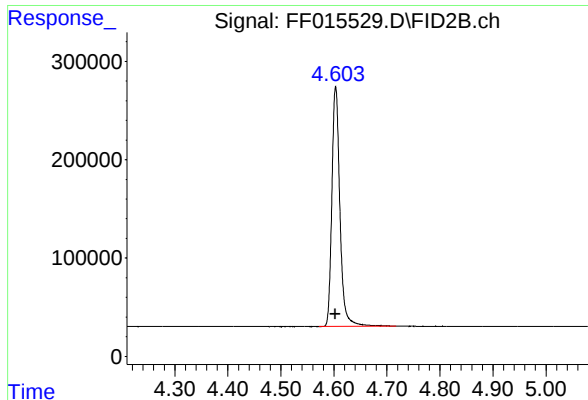
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF022625AR\
Data File : FF015529.D
Signal(s) : FID2B.ch
Acq On : 25 Feb 2025 09:59
Operator : YP\AJ
Sample : 20 PPM AROMATIC HC STD3
Misc :
ALS Vial : 73 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
20 PPM AROMATIC HC STD3

Integration File: autoint1.e
Quant Time: Feb 26 12:27:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 022625.M
Quant Title : GC Extractables
QLast Update : Wed Feb 26 12:26:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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

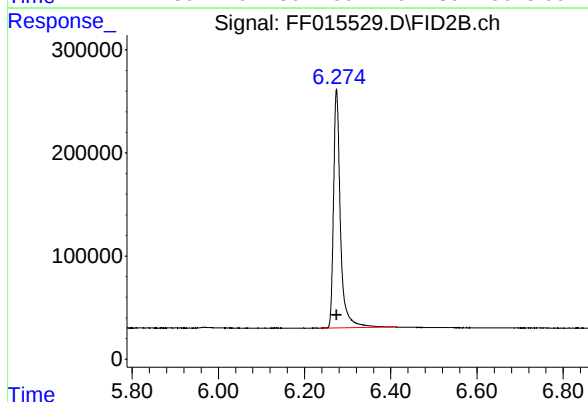




#1 1,2,3-Trimethylbenzene (C10.1)

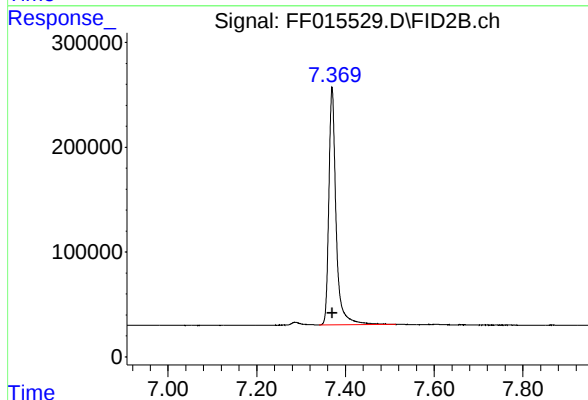
R.T.: 4.603 min
Delta R.T.: 0.000 min
Response: 2570851
Conc: 20.00 ug/ml

Instrument :
FID_F
ClientSampleId :
20 PPM AROMATIC HC STD3



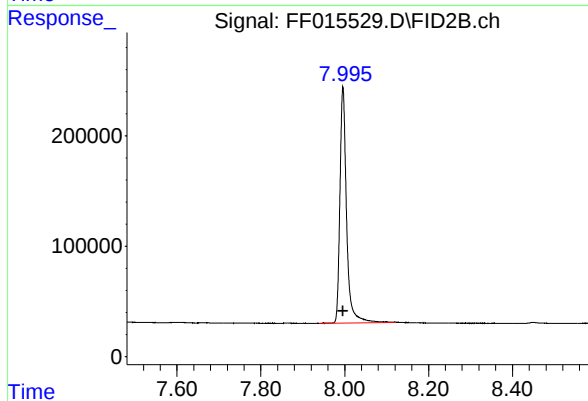
#2 Naphthalene (C11.7)

R.T.: 6.274 min
Delta R.T.: 0.000 min
Response: 2577499
Conc: 20.00 ug/ml



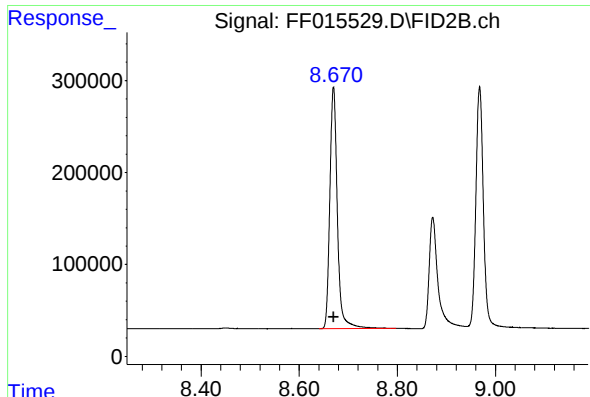
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.370 min
Delta R.T.: 0.000 min
Response: 2573276
Conc: 20.00 ug/ml



#4 2-Bromonaphthalene (SURR)

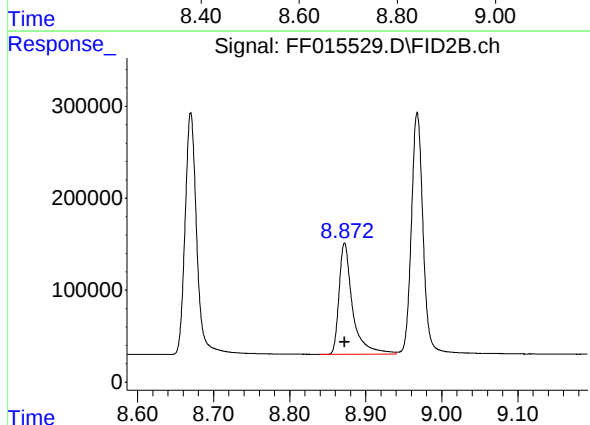
R.T.: 7.996 min
Delta R.T.: 0.000 min
Response: 2350631
Conc: 20.00 ug/ml



#5 Acenaphthylene (C15.06)

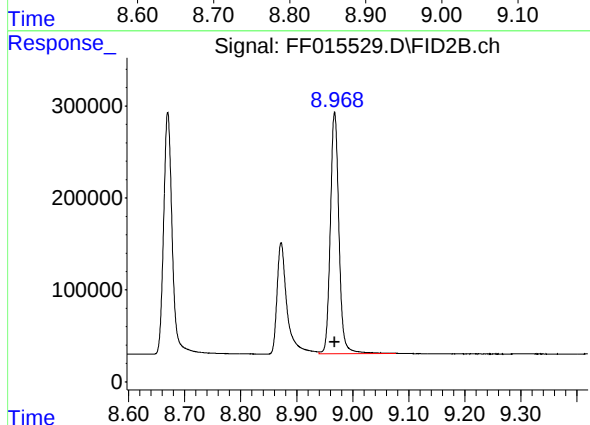
R.T.: 8.670 min
Delta R.T.: 0.000 min
Response: 2803283
Conc: 20.00 ug/ml

Instrument :
FID_F
ClientSampleId :
20 PPM AROMATIC HC STD3



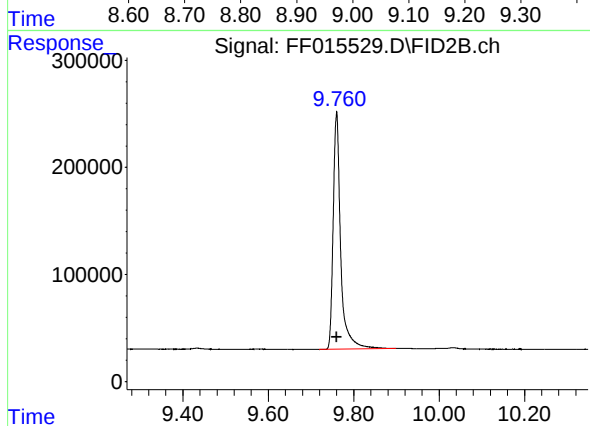
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.872 min
Delta R.T.: 0.000 min
Response: 1499662
Conc: 20.00 ug/ml



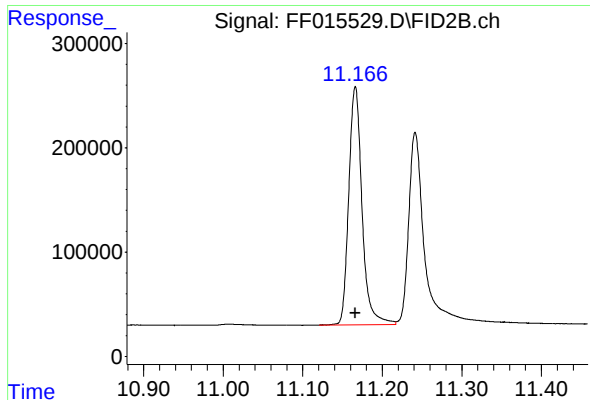
#7 Acenaphthene (C15.5)

R.T.: 8.968 min
Delta R.T.: 0.000 min
Response: 2806231
Conc: 20.00 ug/ml



#8 Flouorene (C16.55)

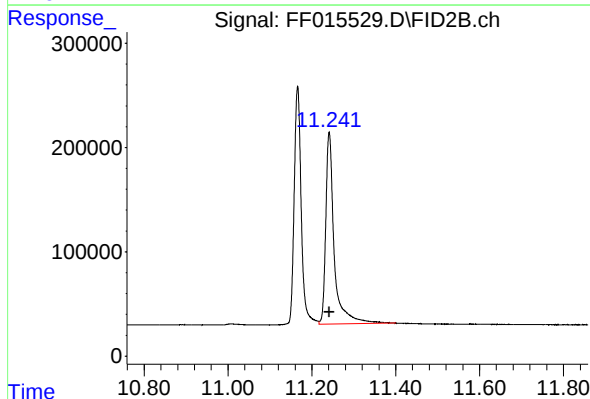
R.T.: 9.760 min
Delta R.T.: 0.000 min
Response: 2701482
Conc: 20.00 ug/ml



#9 Phenanthrene (C19.36)

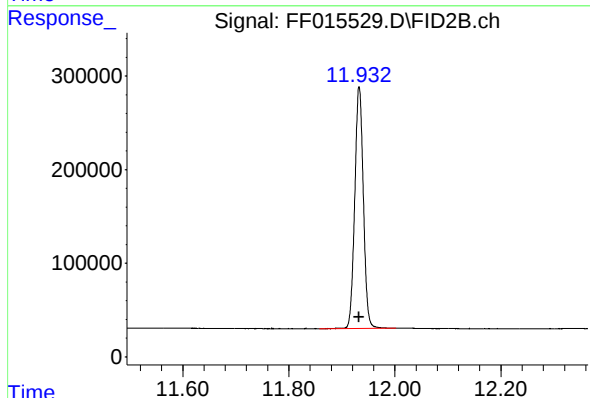
R.T.: 11.166 min
Delta R.T.: 0.000 min
Response: 2653141
Conc: 20.00 ug/ml

Instrument :
FID_F
ClientSampleId :
20 PPM AROMATIC HC STD3



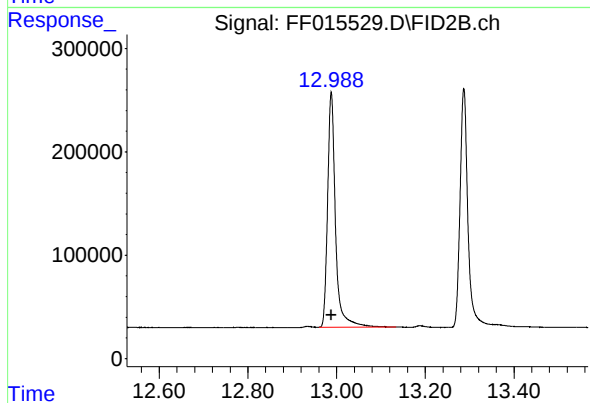
#10 Anthracene (C19.43)

R.T.: 11.242 min
Delta R.T.: 0.000 min
Response: 2577211
Conc: 20.00 ug/ml



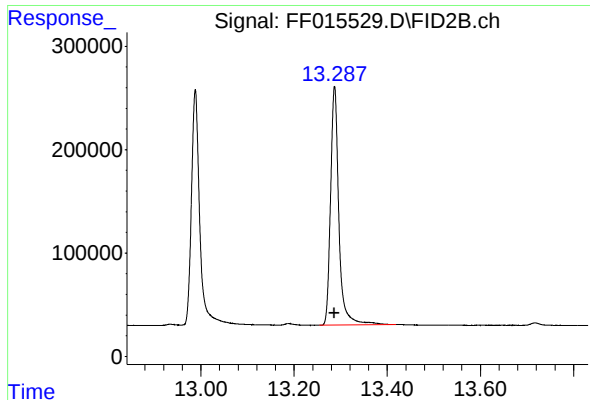
#11 ortho-Terphenyl (SURR)

R.T.: 11.933 min
Delta R.T.: 0.000 min
Response: 2910848
Conc: 20.00 ug/ml



#12 Fluoranthene (C21.85)

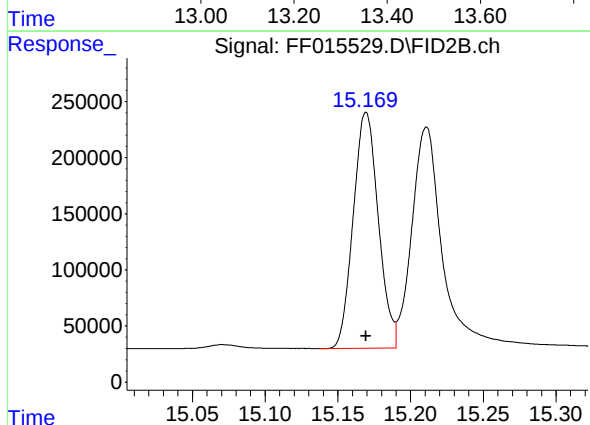
R.T.: 12.988 min
Delta R.T.: 0.000 min
Response: 2808741
Conc: 20.00 ug/ml



#13 Pyrene (C20.8)

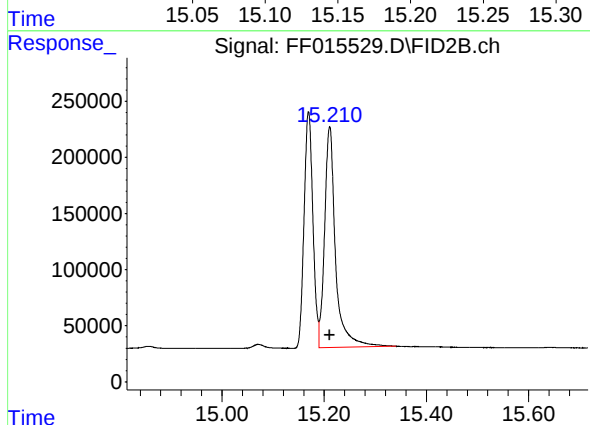
R.T.: 13.287 min
Delta R.T.: 0.000 min
Response: 2863104
Conc: 20.00 ug/ml

Instrument :
FID_F
ClientSampleId :
20 PPM AROMATIC HC STD3



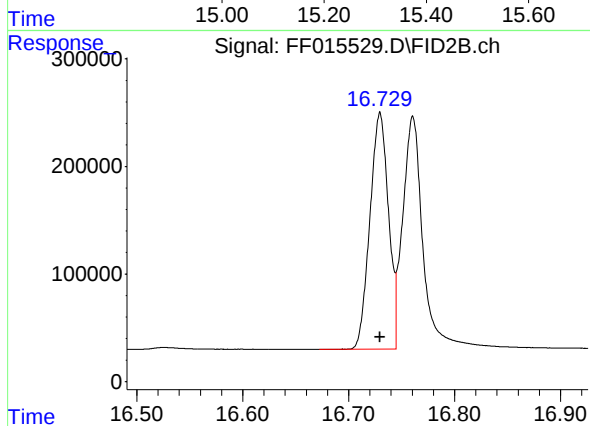
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.169 min
Delta R.T.: 0.000 min
Response: 2522372
Conc: 20.00 ug/ml



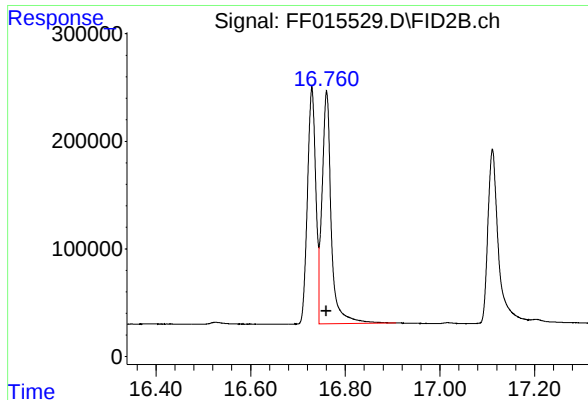
#15 Chrysene (C27.41)

R.T.: 15.211 min
Delta R.T.: 0.000 min
Response: 2936432
Conc: 20.00 ug/ml



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

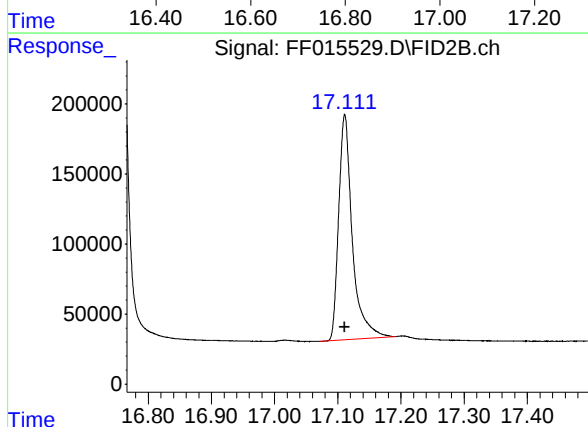
R.T.: 16.730 min
Delta R.T.: 0.000 min
Response: 2670667
Conc: 20.00 ug/ml



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

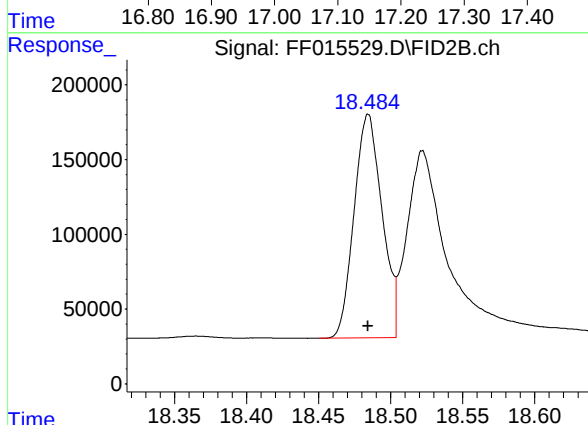
R.T.: 16.761 min
Delta R.T.: 0.000 min
Response: 2910573
Conc: 20.00 ug/ml

Instrument :
FID_F
ClientSampleId :
20 PPM AROMATIC HC STD3



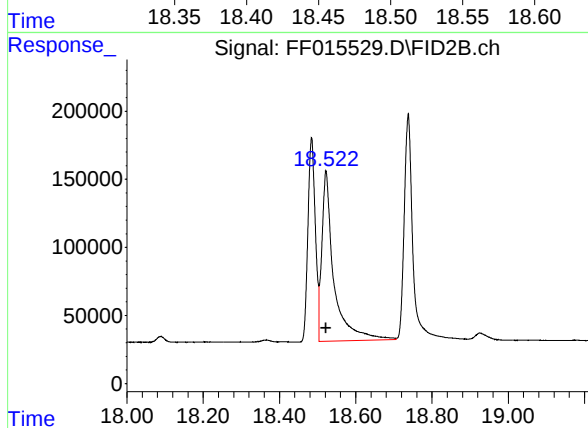
#18 Benzo[a]pyrene (C31.34)

R.T.: 17.111 min
Delta R.T.: 0.000 min
Response: 2410168
Conc: 20.00 ug/ml



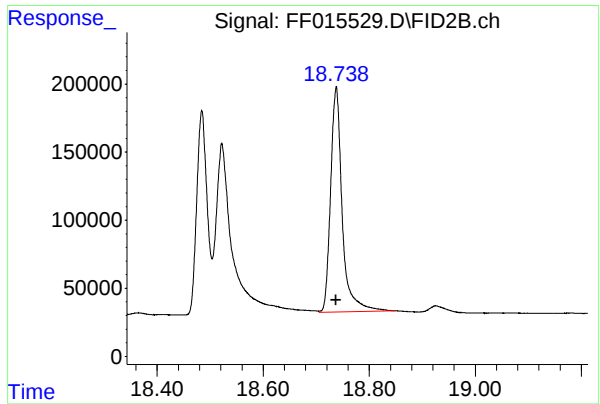
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.484 min
Delta R.T.: 0.000 min
Response: 2018742
Conc: 20.00 ug/ml



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

R.T.: 18.522 min
Delta R.T.: 0.000 min
Response: 2732285
Conc: 20.00 ug/ml



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

R.T.: 18.738 min
Delta R.T.: 0.000 min
Response: 2503914
Conc: 20.00 ug/ml

Instrument :

FID_F

ClientSampleId :

20 PPM AROMATIC HC STD3

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF022625AR\
Data File : FF015529.D
Signal(s) : FID2B.ch
Acq On : 25 Feb 2025 09:59
Sample : 20 PPM AROMATIC HC STD3
Misc :
ALS Vial : 73 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 022625.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	4.603	4.572	4.717	BB	243820	2570851	87.55%	4.726%
2	6.274	6.234	6.412	BB	230943	2577499	87.78%	4.738%
3	7.370	7.340	7.514	PB	226306	2573276	87.63%	4.730%
4	7.996	7.939	8.122	BB	214120	2350631	80.05%	4.321%
5	8.670	8.640	8.797	BB	262840	2803283	95.47%	5.153%
6	8.872	8.839	8.940	BV	121049	1499662	51.07%	2.757%
7	8.968	8.940	9.077	VB	261975	2806231	95.57%	5.158%
8	9.760	9.719	9.899	BB	222608	2701482	92.00%	4.966%
9	11.166	11.120	11.217	BV	228277	2653141	90.35%	4.877%
10	11.242	11.217	11.400	VBA	183733	2577211	87.77%	4.737%
11	11.933	11.857	12.002	BB	259102	2910848	99.13%	5.351%
12	12.988	12.960	13.134	BB	227893	2808741	95.65%	5.163%
13	13.287	13.254	13.419	BB	231291	2863104	97.50%	5.263%
14	15.169	15.137	15.190	BV	210310	2522372	85.90%	4.637%
15	15.211	15.190	15.340	VBA	196698	2936432	100.00%	5.398%
16	16.730	16.672	16.745	BV	219532	2670667	90.95%	4.909%
17	16.761	16.745	16.907	VB	216273	2910573	99.12%	5.350%
18	17.111	17.070	17.192	BV	160810	2410168	82.08%	4.430%
19	18.484	18.450	18.504	BV	149873	2018742	68.75%	3.711%
20	18.522	18.504	18.705	VV	124814	2732285	93.05%	5.022%
21	18.738	18.705	18.850	VBA	164694	2503914	85.27%	4.603%
Sum of corrected areas:							54401113	

Aromatic EPH 022625.M Wed Feb 26 12:46:27 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF022625AR\
 Data File : FF015530.D
 Signal(s) : FID2B.ch
 Acq On : 25 Feb 2025 10:28
 Operator : YP\AJ
 Sample : 10 PPM AROMATIC HC STD4
 Misc :
 ALS Vial : 74 Sample Multiplier: 1

Instrument :
 FID_F
 ClientSampleId :
 10 PPM AROMATIC HC STD4

Integration File: autoint1.e
 Quant Time: Feb 26 12:32:47 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 022625.M
 Quant Title : GC Extractables
 QLast Update : Wed Feb 26 12:26:20 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...	7.998	1328026	11.198 ug/ml
Spiked Amount 50.000		Recovery =	22.40%
6) S 2-Fluorobiphenyl (SURR)	8.876	783654	10.301 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	20.60%
11) S ortho-Terphenyl (SURR)	11.932	1681667	11.593 ug/ml
Spiked Amount 50.000		Recovery =	23.19%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.606	1453713	11.335 ug/ml
2) T Naphthalene (C11.7)	6.277	1428112	10.991 ug/ml
3) T 2-Methylnaphthalene (...)	7.372	1426121	11.039 ug/ml
5) T Acenaphthylene (C15.06)	8.671	1616916	11.523 ug/ml
7) T Acenaphthene (C15.5)	8.968	1621490	11.602 ug/ml
8) T Fluorene (C16.55)	9.761	1494683	11.029 ug/ml
9) T Phenanthrene (C19.36)	11.167	1458311	10.948 ug/ml
10) T Anthracene (C19.43)	11.244	1405178	10.882 ug/ml
12) T Fluoranthene (C21.85)	12.989	1604701	11.364 ug/ml
13) T Pyrene (C20.8)	13.287	1650019	11.559 ug/ml
14) T Benzo[a]anthracene (C...	15.170	1262368	9.997 ug/ml
15) T Chrysene (C27.41)	15.211	1748922	11.986 ug/ml
16) T benzo[b]fluoranthene ...	16.730	1459147	10.884 ug/ml
17) T Bnezo[k]fluoranthene ...	16.761	1716828	11.865 ug/ml
18) T Benzo[a]pyrene (C31.34)	17.115	1455897	11.347 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.489	1036997	9.711 ug/ml
20) T Dibenz[a,h]anthracene...	18.531	1527081	11.526 ug/ml
21) T Benzo[g,h,i]perylene ...	18.738	1411226	11.191 ug/ml

(f)=RT Delta > 1/2 Window

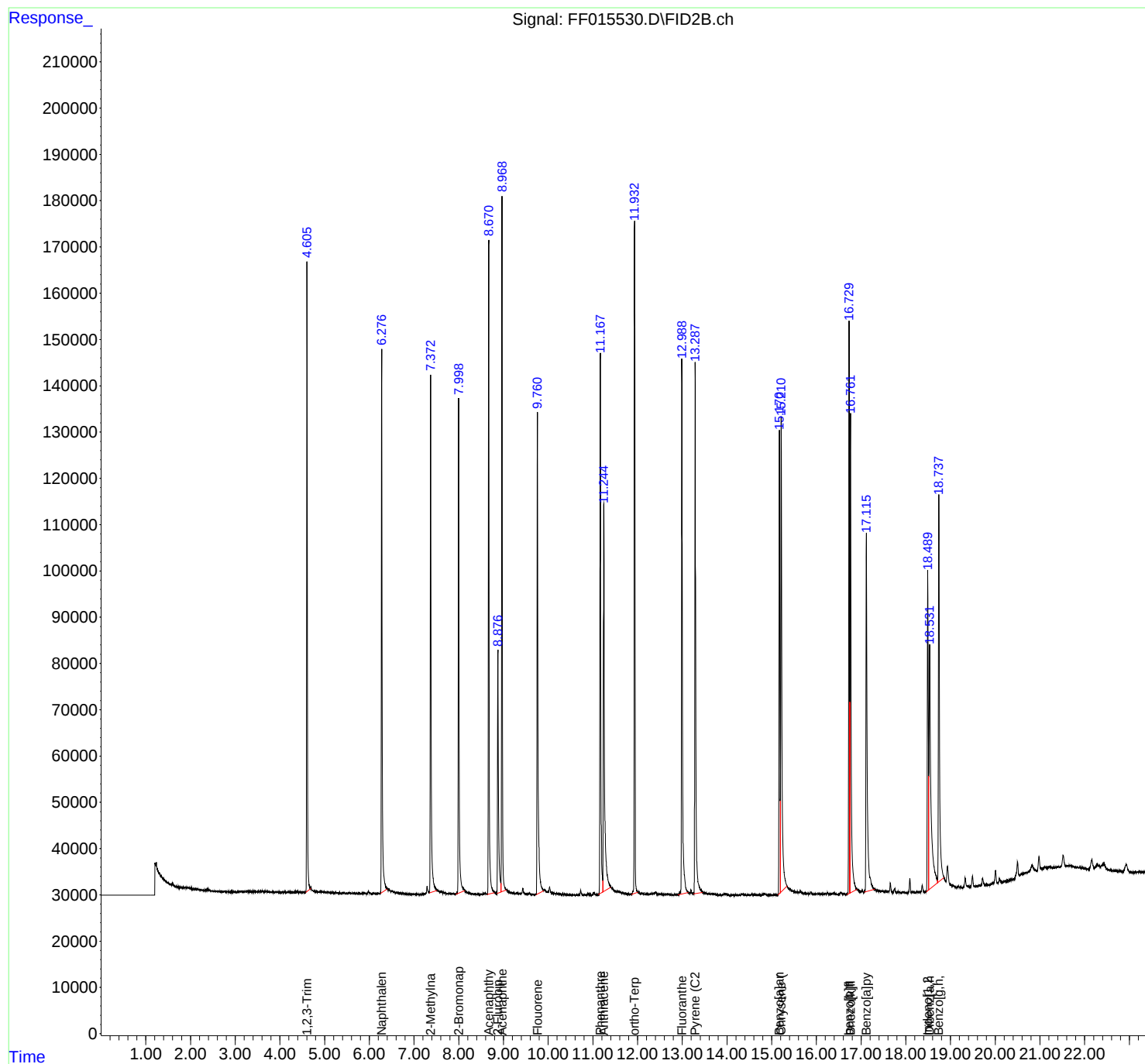
(m)=manual int.

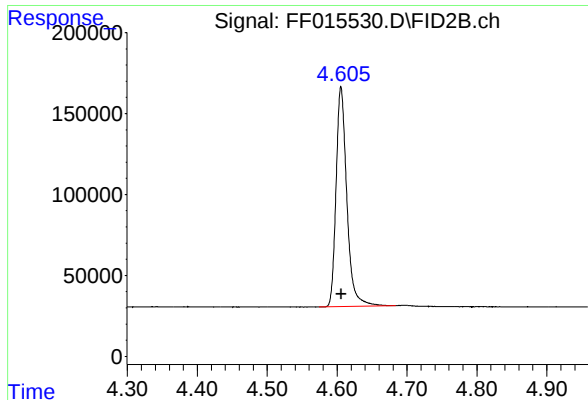
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF022625AR\
Data File : FF015530.D
Signal(s) : FID2B.ch
Acq On : 25 Feb 2025 10:28
Operator : YP\AJ
Sample : 10 PPM AROMATIC HC STD4
Misc :
ALS Vial : 74 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
10 PPM AROMATIC HC STD4

Integration File: autoint1.e
Quant Time: Feb 26 12:32:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 022625.M
Quant Title : GC Extractables
QLast Update : Wed Feb 26 12:26:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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

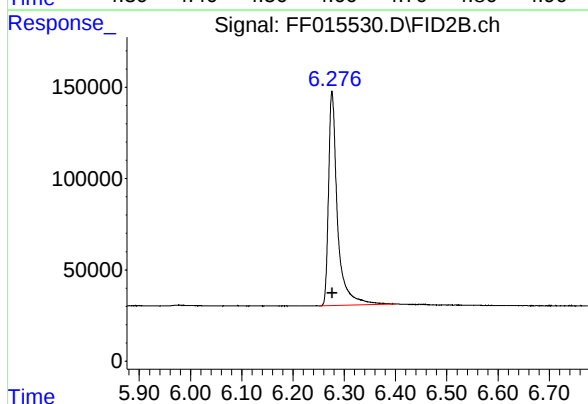




#1 1,2,3-Trimethylbenzene (C10.1)

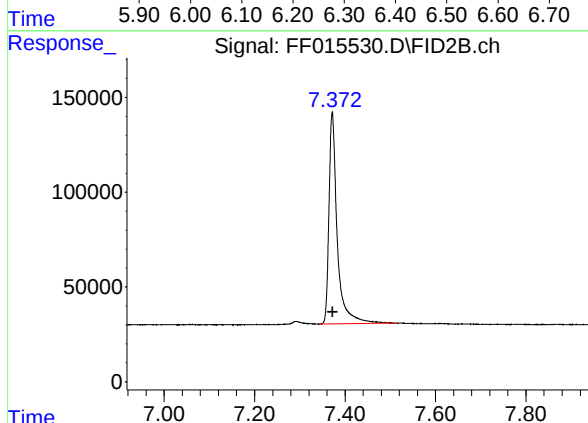
R.T.: 4.606 min
Delta R.T.: 0.000 min
Response: 1453713
Conc: 11.33 ug/ml

Instrument :
FID_F
ClientSampleId :
10 PPM AROMATIC HC STD4



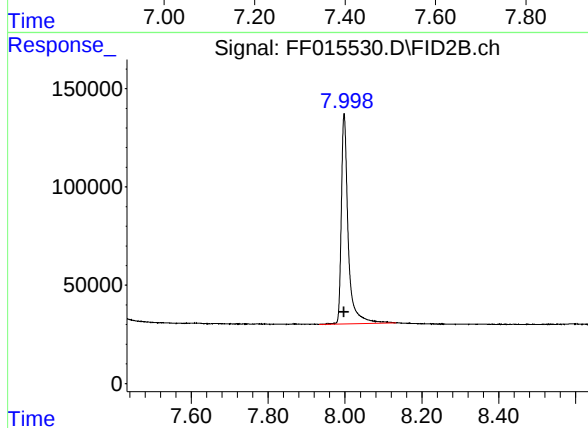
#2 Naphthalene (C11.7)

R.T.: 6.277 min
Delta R.T.: 0.000 min
Response: 1428112
Conc: 10.99 ug/ml



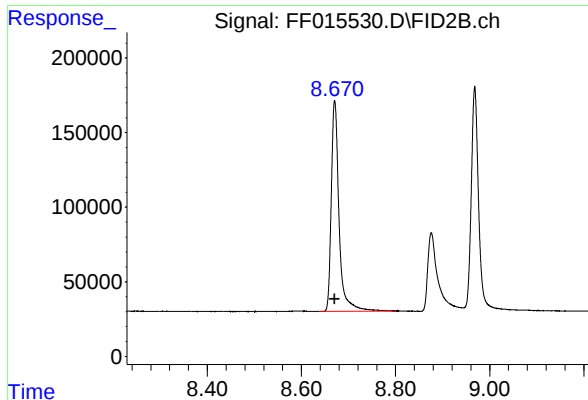
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.372 min
Delta R.T.: 0.000 min
Response: 1426121
Conc: 11.04 ug/ml



#4 2-Bromonaphthalene (SURR)

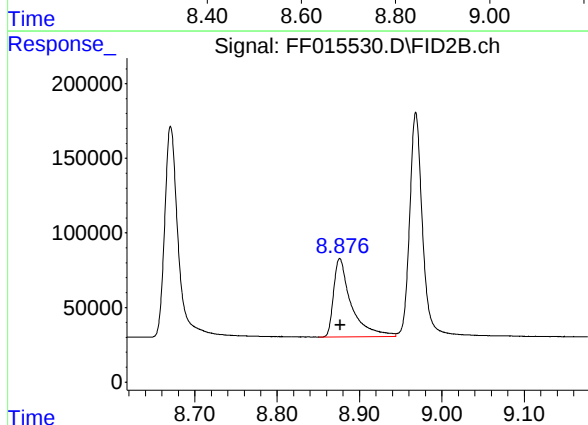
R.T.: 7.998 min
Delta R.T.: 0.000 min
Response: 1328026
Conc: 11.20 ug/ml



#5 Acenaphthylene (C15.06)

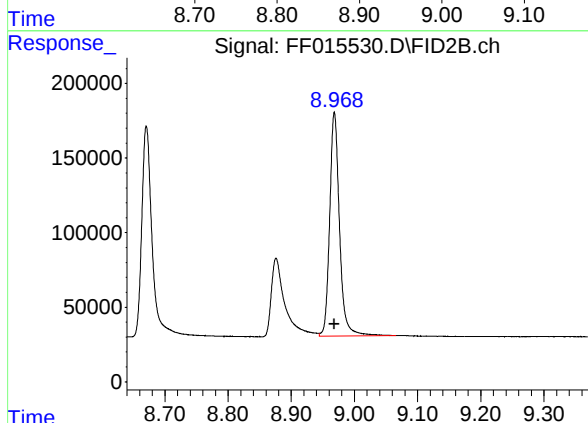
R.T.: 8.671 min
Delta R.T.: 0.000 min
Response: 1616916
Conc: 11.52 ug/ml

Instrument :
FID_F
ClientSampleId :
10 PPM AROMATIC HC STD4



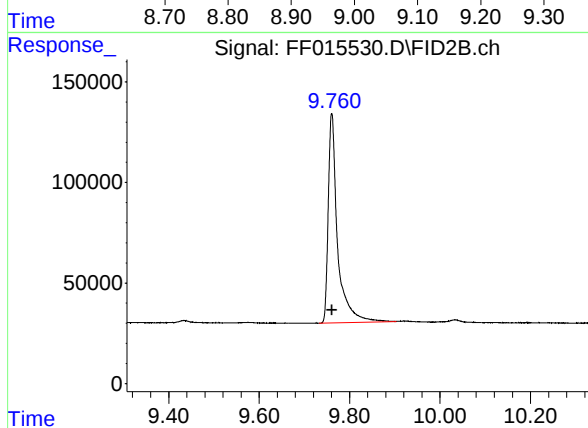
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.876 min
Delta R.T.: 0.000 min
Response: 783654
Conc: 10.30 ug/ml



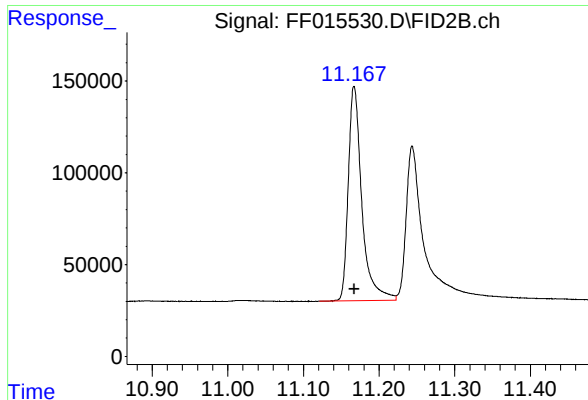
#7 Acenaphthene (C15.5)

R.T.: 8.968 min
Delta R.T.: 0.000 min
Response: 1621490
Conc: 11.60 ug/ml



#8 Fluorene (C16.55)

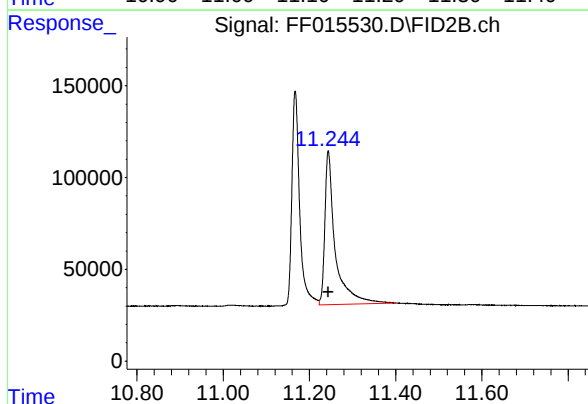
R.T.: 9.761 min
Delta R.T.: 0.000 min
Response: 1494683
Conc: 11.03 ug/ml



#9 Phenanthrene (C19.36)

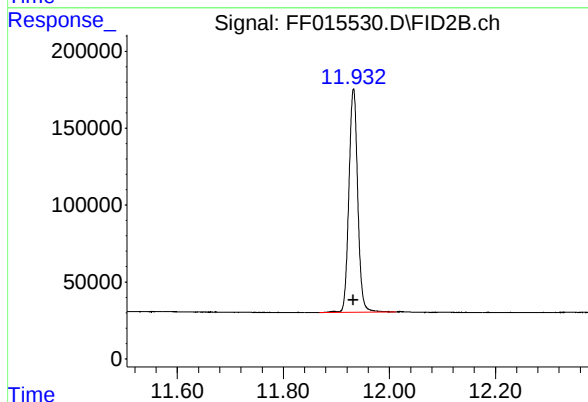
R.T.: 11.167 min
Delta R.T.: 0.000 min
Response: 1458311
Conc: 10.95 ug/ml

Instrument :
FID_F
ClientSampleId :
10 PPM AROMATIC HC STD4



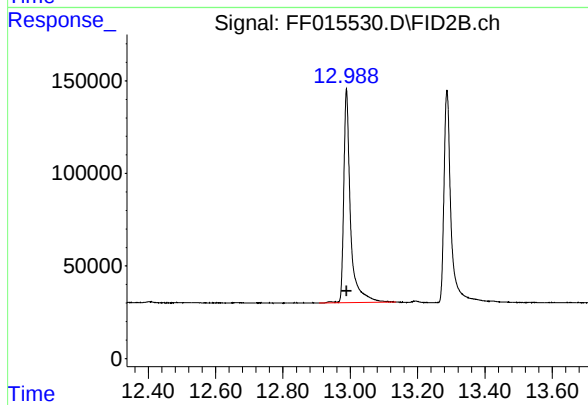
#10 Anthracene (C19.43)

R.T.: 11.244 min
Delta R.T.: 0.000 min
Response: 1405178
Conc: 10.88 ug/ml



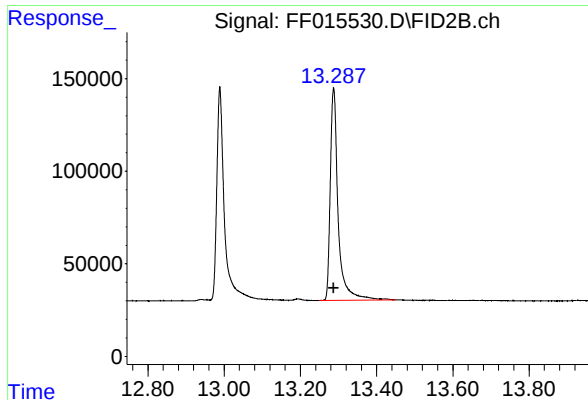
#11 ortho-Terphenyl (SURR)

R.T.: 11.932 min
Delta R.T.: 0.000 min
Response: 1681667
Conc: 11.59 ug/ml



#12 Fluoranthene (C21.85)

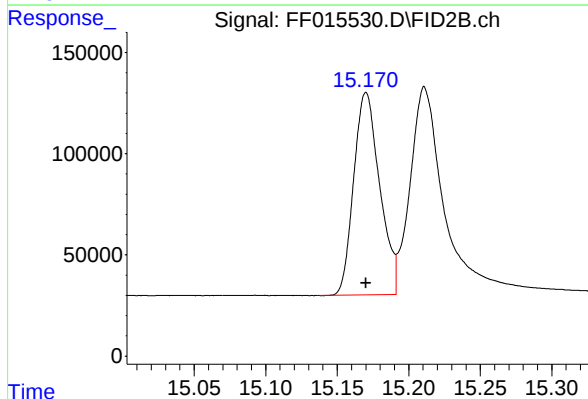
R.T.: 12.989 min
Delta R.T.: 0.000 min
Response: 1604701
Conc: 11.36 ug/ml



#13 Pyrene (C20.8)

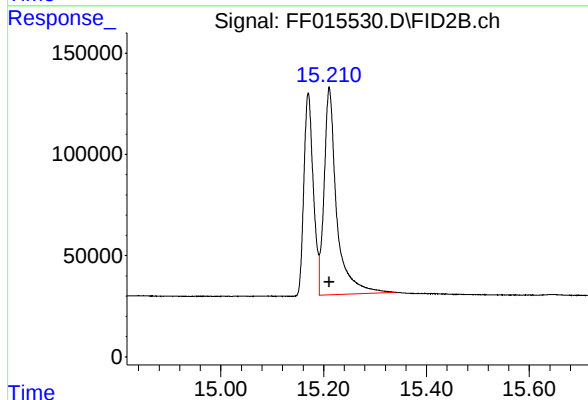
R.T.: 13.287 min
Delta R.T.: 0.000 min
Response: 1650019
Conc: 11.56 ug/ml

Instrument :
FID_F
ClientSampleId :
10 PPM AROMATIC HC STD4



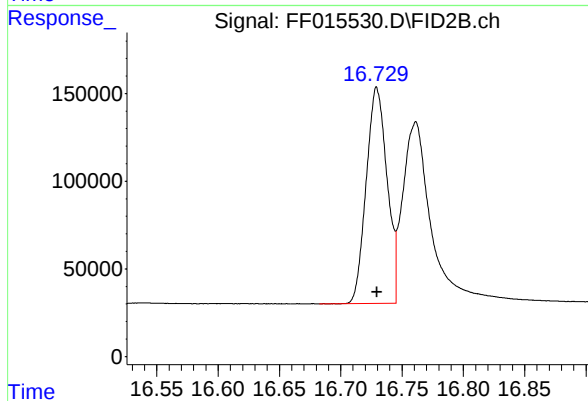
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.170 min
Delta R.T.: 0.000 min
Response: 1262368
Conc: 10.00 ug/ml



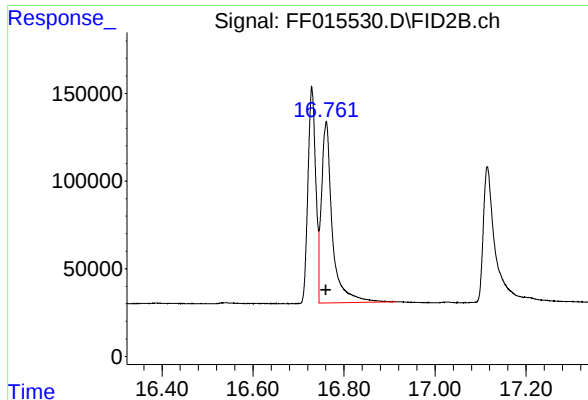
#15 Chrysene (C27.41)

R.T.: 15.211 min
Delta R.T.: 0.000 min
Response: 1748922
Conc: 11.99 ug/ml



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

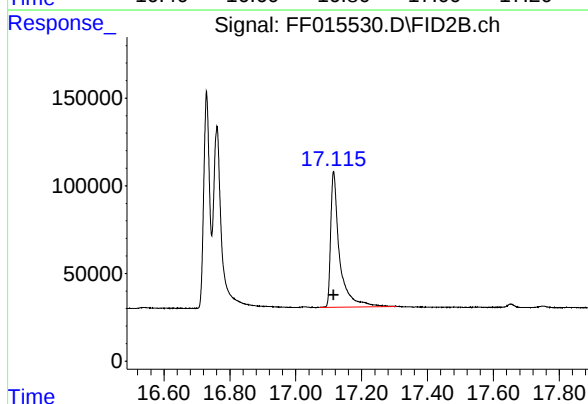
R.T.: 16.730 min
Delta R.T.: 0.000 min
Response: 1459147
Conc: 10.88 ug/ml



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

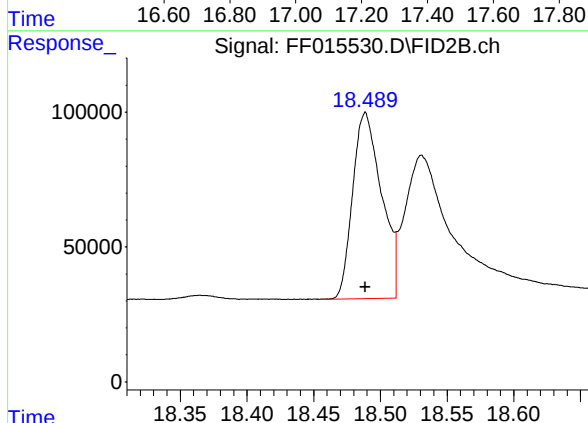
R.T.: 16.761 min
Delta R.T.: 0.000 min
Response: 1716828
Conc: 11.86 ug/ml

Instrument :
FID_F
ClientSampleId :
10 PPM AROMATIC HC STD4



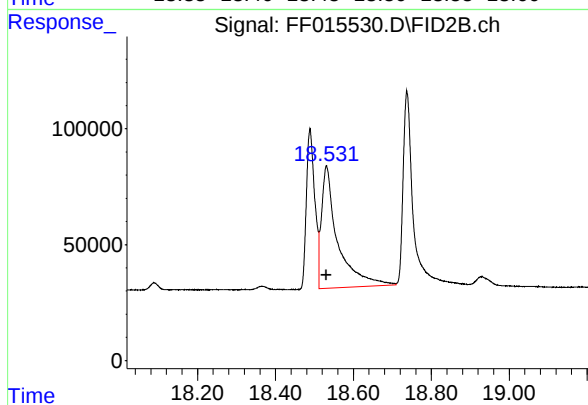
#18 Benzo[a]pyrene (C31.34)

R.T.: 17.115 min
Delta R.T.: 0.000 min
Response: 1455897
Conc: 11.35 ug/ml



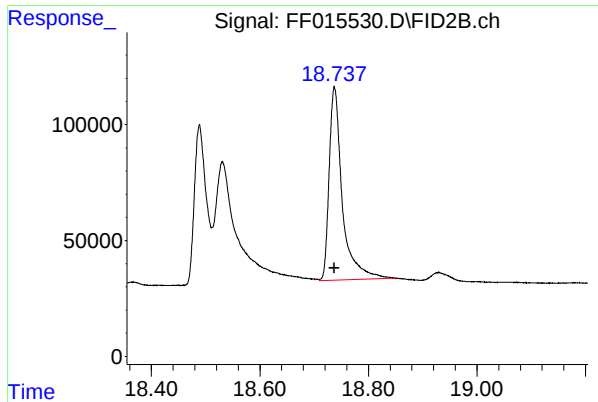
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.489 min
Delta R.T.: 0.000 min
Response: 1036997
Conc: 9.71 ug/ml



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

R.T.: 18.531 min
Delta R.T.: 0.000 min
Response: 1527081
Conc: 11.53 ug/ml



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

R.T.: 18.738 min

Delta R.T.: 0.000 min

Response: 1411226

Conc: 11.19 ug/ml

Instrument :

FID_F

ClientSampleId :

10 PPM AROMATIC HC STD4

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF022625AR\
Data File : FF015530.D
Signal(s) : FID2B.ch
Acq On : 25 Feb 2025 10:28
Sample : 10 PPM AROMATIC HC STD4
Misc :
ALS Vial : 74 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 022625.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	4.606	4.574	4.684	BB	135570	1453713	83.12%	4.755%
2	6.277	6.251	6.401	BB	117203	1428112	81.66%	4.671%
3	7.372	7.342	7.512	BB	111457	1426121	81.54%	4.665%
4	7.998	7.932	8.132	BB	106660	1328026	75.93%	4.344%
5	8.671	8.637	8.801	BB	141051	1616916	92.45%	5.289%
6	8.876	8.851	8.944	BV	52447	783654	44.81%	2.563%
7	8.968	8.944	9.066	VB	149872	1621490	92.71%	5.304%
8	9.761	9.732	9.902	BB	104020	1494683	85.46%	4.889%
9	11.167	11.121	11.222	BV	116524	1458311	83.38%	4.770%
10	11.244	11.222	11.401	VBA	83582	1405178	80.35%	4.596%
11	11.932	11.867	12.012	BB	145556	1681667	96.15%	5.501%
12	12.989	12.907	13.136	BB	115242	1604701	91.75%	5.249%
13	13.287	13.249	13.451	BB	114790	1650019	94.34%	5.397%
14	15.170	15.137	15.191	BV	100083	1262368	72.18%	4.129%
15	15.211	15.191	15.341	VBA	102442	1748922	100.00%	5.721%
16	16.730	16.682	16.745	BV	123335	1459147	83.43%	4.773%
17	16.761	16.745	16.914	VB	103393	1716828	98.16%	5.616%
18	17.115	17.071	17.304	BB	77330	1455897	83.25%	4.762%
19	18.489	18.454	18.512	BV	69163	1036997	59.29%	3.392%
20	18.531	18.512	18.709	VV	52761	1527081	87.32%	4.995%
21	18.738	18.709	18.851	VBA	83306	1411226	80.69%	4.616%
Sum of corrected areas:							30571055	

Aromatic EPH 022625.M Wed Feb 26 12:45:57 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF022625AR\
 Data File : FF015531.D
 Signal(s) : FID2B.ch
 Acq On : 25 Feb 2025 10:58
 Operator : YP\AJ
 Sample : 5 PPM AROMATIC HC STD5
 Misc :
 ALS Vial : 75 Sample Multiplier: 1

Instrument :
 FID_F
 ClientSampleId :
 5 PPM AROMATIC HC STD5

Integration File: autoint1.e
 Quant Time: Feb 26 12:35:20 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 022625.M
 Quant Title : GC Extractables
 QLast Update : Wed Feb 26 12:26:20 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...	8.003	538529	4.626 ug/ml
Spiked Amount 50.000		Recovery =	9.25%
6) S 2-Fluorobiphenyl (SURR)	8.892	259291	3.640 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	7.28%
11) S ortho-Terphenyl (SURR)	11.934	776499	5.279 ug/ml
Spiked Amount 50.000		Recovery =	10.56%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.606	662305	5.130 ug/ml
2) T Naphthalene (C11.7)	6.281	591957	4.638 ug/ml
3) T 2-Methylnaphthalene (...)	7.378	581701	4.594 ug/ml
5) T Acenaphthylene (C15.06)	8.674	727458	5.146 ug/ml
7) T Acenaphthene (C15.5)	8.970	765465	5.374 ug/ml
8) T Fluorene (C16.55)	9.769	616053	4.630 ug/ml
9) T Phenanthrene (C19.36)	11.176	587822	4.519 ug/ml
10) T Anthracene (C19.43)	11.258	548650	4.380 ug/ml
12) T Fluoranthene (C21.85)	12.998	706215	5.001 ug/ml
13) T Pyrene (C20.8)	13.294	739289	5.142 ug/ml
14) T Benzo[a]anthracene (C...	15.181	411104	3.500 ug/ml
15) T Chrysene (C27.41)	15.219	815728	5.461 ug/ml
16) T benzo[b]fluoranthene ...	16.737	574628	4.412 ug/ml
17) T Bnezo[k]fluoranthene ...	16.770	836422	5.605 ug/ml
18) T Benzo[a]pyrene (C31.34)	17.130	606525	4.779 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.510	423177	4.134 ug/ml
20) T Dibenz[a,h]anthracene...	18.555	582595	4.439 ug/ml
21) T Benzo[g,h,i]perylene ...	18.747	589049	4.734 ug/ml

(f)=RT Delta > 1/2 Window

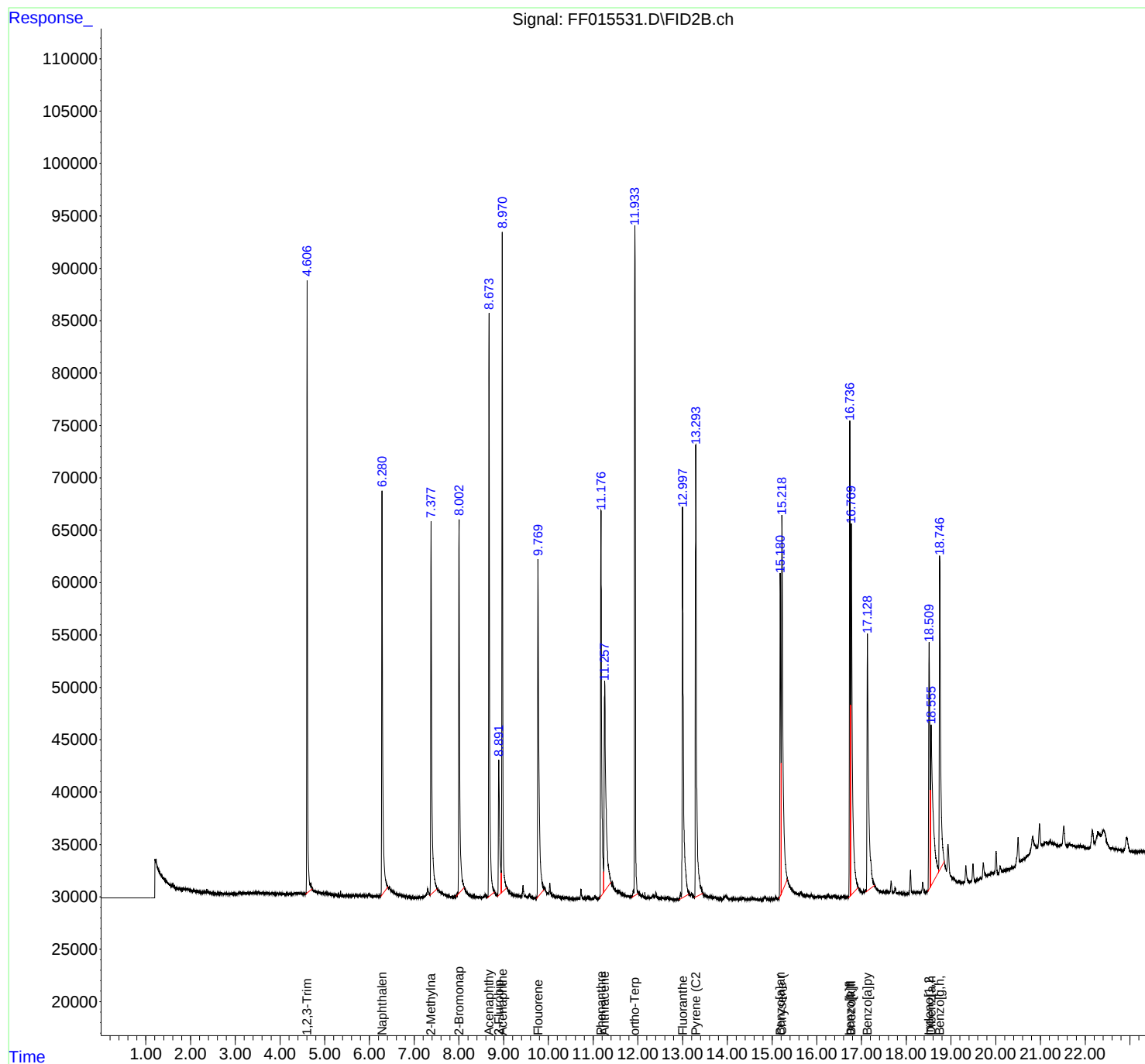
(m)=manual int.

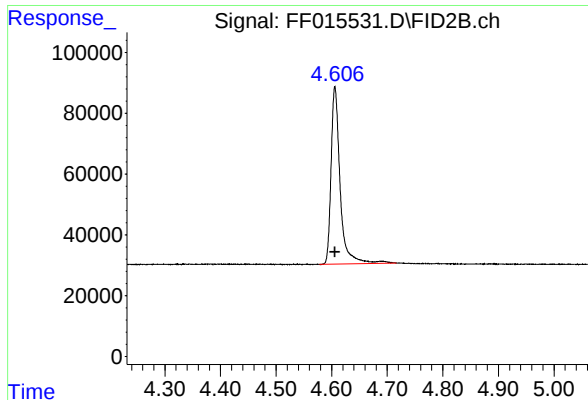
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF022625AR\
Data File : FF015531.D
Signal(s) : FID2B.ch
Acq On : 25 Feb 2025 10:58
Operator : YP\AJ
Sample : 5 PPM AROMATIC HC STD5
Misc :
ALS Vial : 75 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
5 PPM AROMATIC HC STD5

Integration File: autoint1.e
Quant Time: Feb 26 12:35:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 022625.M
Quant Title : GC Extractables
QLast Update : Wed Feb 26 12:26:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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

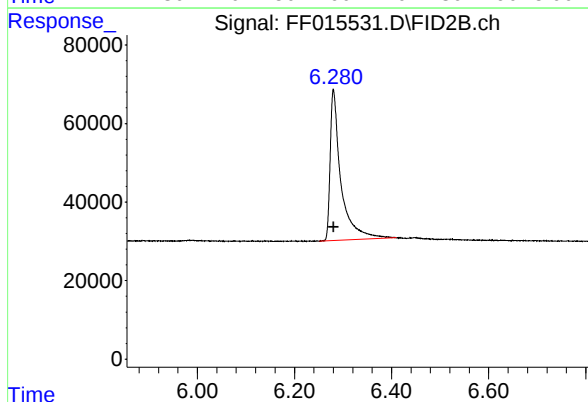




#1 1,2,3-Trimethylbenzene (C10.1)

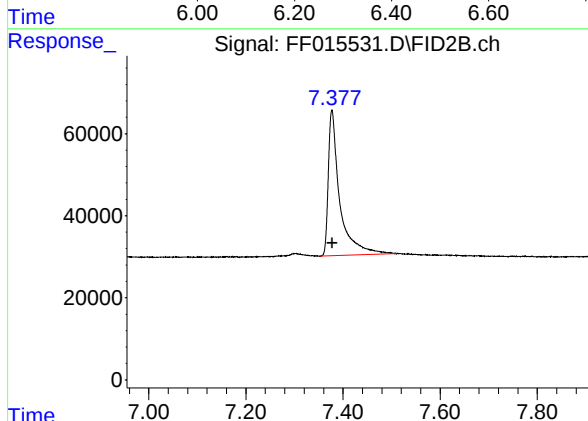
R.T.: 4.606 min
Delta R.T.: 0.000 min
Response: 662305
Conc: 5.13 ug/ml

Instrument :
FID_F
ClientSampleId :
5 PPM AROMATIC HC STD5



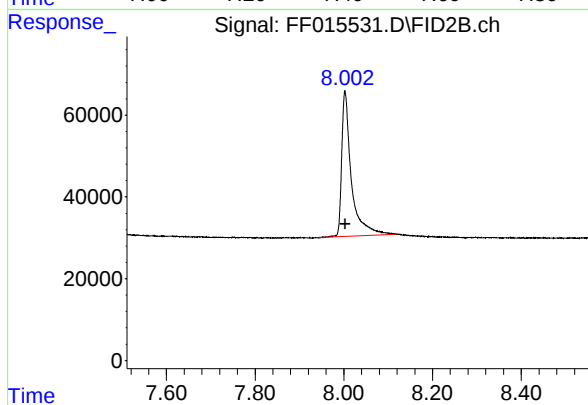
#2 Naphthalene (C11.7)

R.T.: 6.281 min
Delta R.T.: 0.000 min
Response: 591957
Conc: 4.64 ug/ml



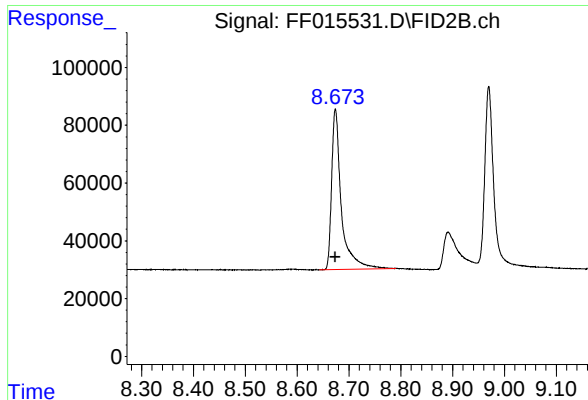
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.378 min
Delta R.T.: 0.000 min
Response: 581701
Conc: 4.59 ug/ml



#4 2-Bromonaphthalene (SURR)

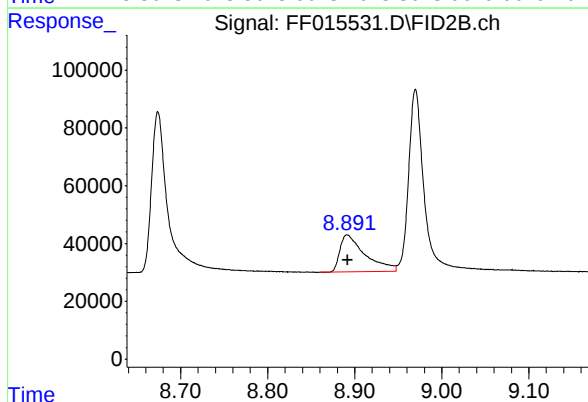
R.T.: 8.003 min
Delta R.T.: 0.000 min
Response: 538529
Conc: 4.63 ug/ml



#5 Acenaphthylene (C15.06)

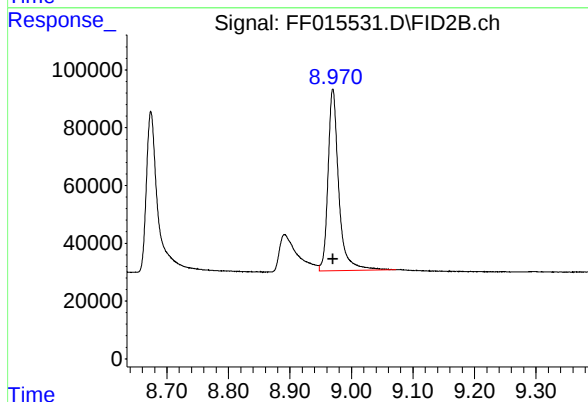
R.T.: 8.674 min
Delta R.T.: 0.000 min
Response: 727458
Conc: 5.15 ug/ml

Instrument :
FID_F
ClientSampleId :
5 PPM AROMATIC HC STD5



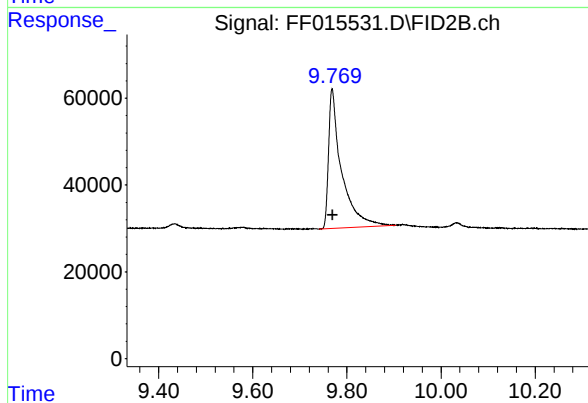
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.892 min
Delta R.T.: 0.000 min
Response: 259291
Conc: 3.64 ug/ml



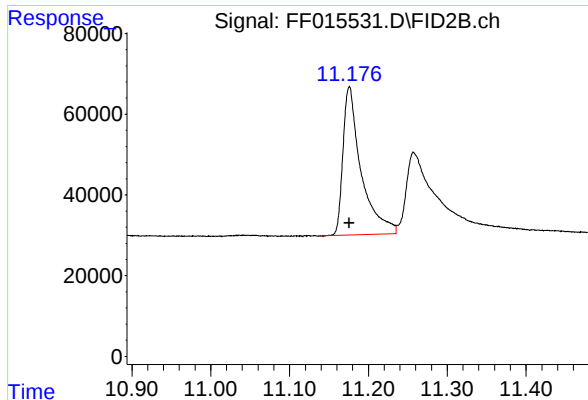
#7 Acenaphthene (C15.5)

R.T.: 8.970 min
Delta R.T.: 0.000 min
Response: 765465
Conc: 5.37 ug/ml



#8 Fluorene (C16.55)

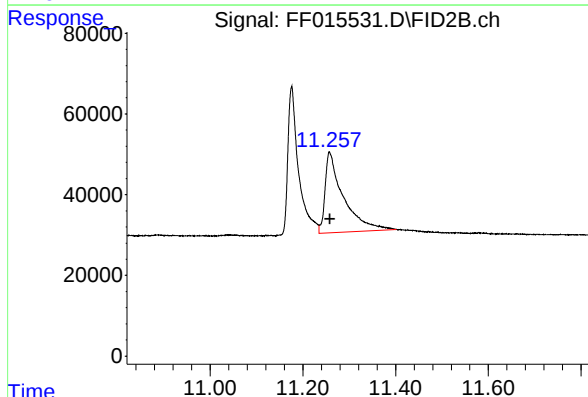
R.T.: 9.769 min
Delta R.T.: 0.000 min
Response: 616053
Conc: 4.63 ug/ml



#9 Phenanthrene (C19.36)

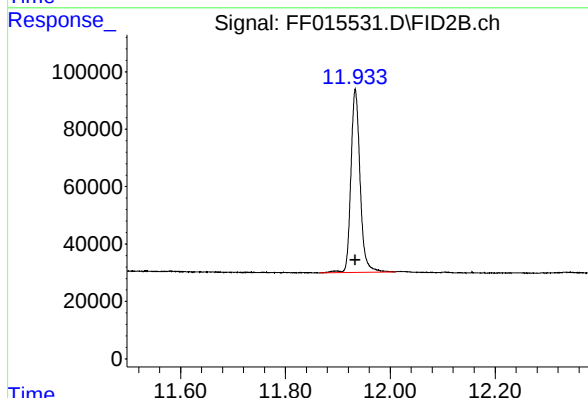
R.T.: 11.176 min
Delta R.T.: 0.000 min
Response: 587822
Conc: 4.52 ug/ml

Instrument :
FID_F
ClientSampleId :
5 PPM AROMATIC HC STD5



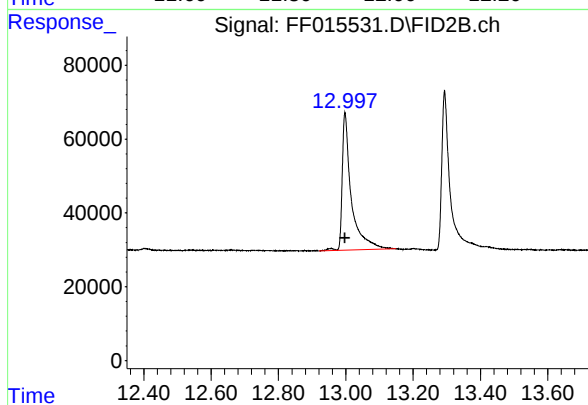
#10 Anthracene (C19.43)

R.T.: 11.258 min
Delta R.T.: 0.000 min
Response: 548650
Conc: 4.38 ug/ml



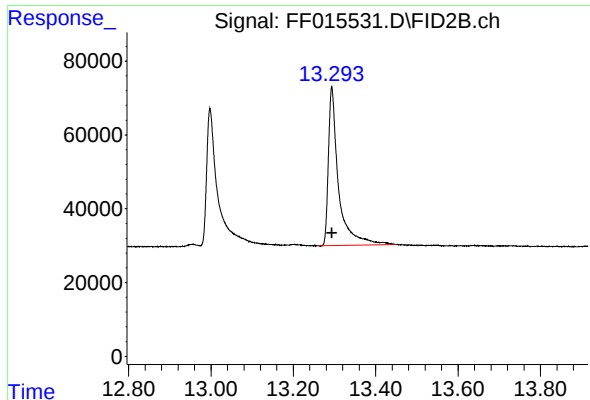
#11 ortho-Terphenyl (SURRE)

R.T.: 11.934 min
Delta R.T.: 0.000 min
Response: 776499
Conc: 5.28 ug/ml



#12 Fluoranthene (C21.85)

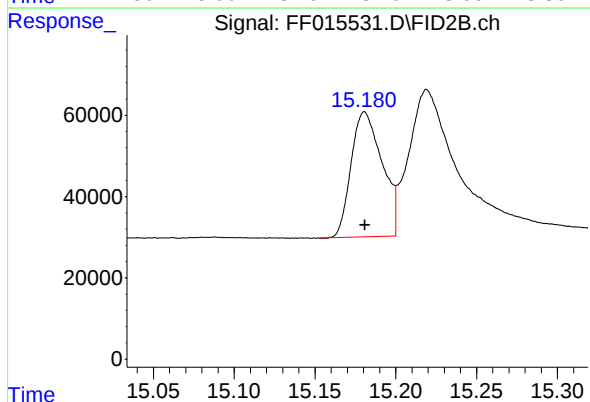
R.T.: 12.998 min
Delta R.T.: 0.000 min
Response: 706215
Conc: 5.00 ug/ml



#13 Pyrene (C20.8)

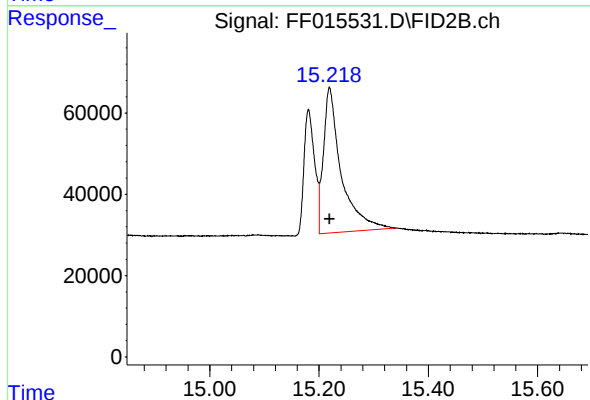
R.T.: 13.294 min
Delta R.T.: 0.000 min
Response: 739289
Conc: 5.14 ug/ml

Instrument :
FID_F
ClientSampleId :
5 PPM AROMATIC HC STD5



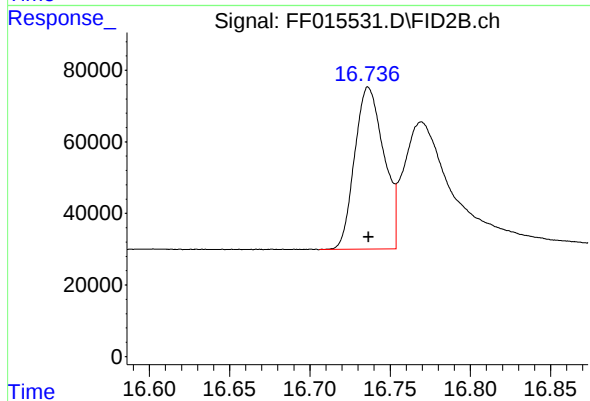
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.181 min
Delta R.T.: 0.000 min
Response: 411104
Conc: 3.50 ug/ml



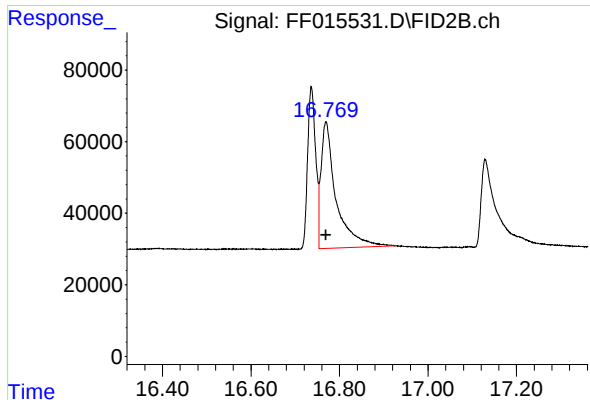
#15 Chrysene (C27.41)

R.T.: 15.219 min
Delta R.T.: 0.000 min
Response: 815728
Conc: 5.46 ug/ml



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

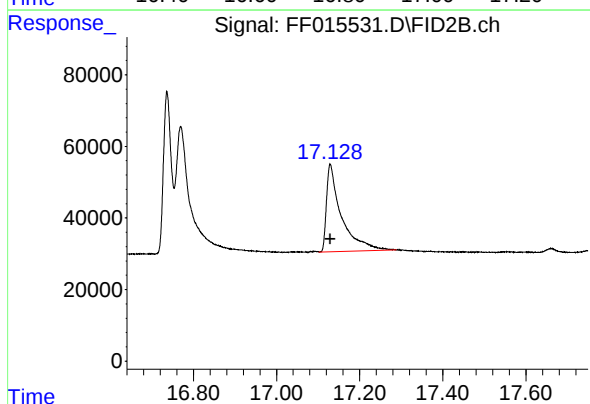
R.T.: 16.737 min
Delta R.T.: 0.000 min
Response: 574628
Conc: 4.41 ug/ml



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

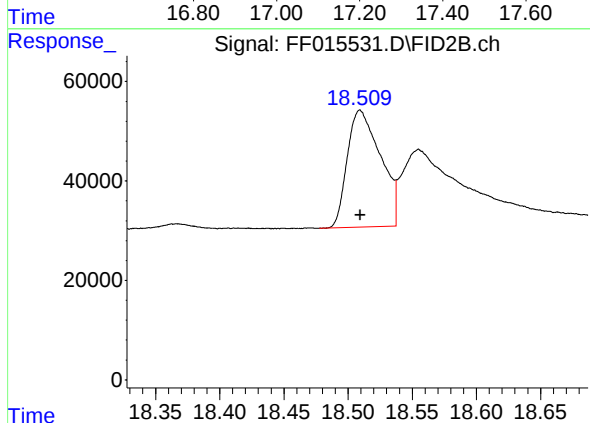
R.T.: 16.770 min
Delta R.T.: 0.000 min
Response: 836422
Conc: 5.61 ug/ml

Instrument :
FID_F
ClientSampleId :
5 PPM AROMATIC HC STD5



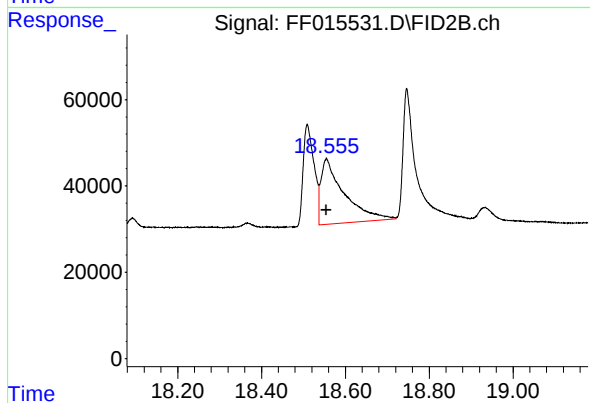
#18 Benzo[a]pyrene (C31.34)

R.T.: 17.130 min
Delta R.T.: 0.000 min
Response: 606525
Conc: 4.78 ug/ml



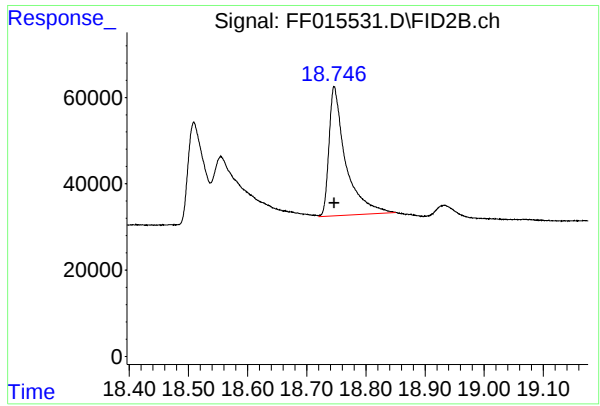
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.510 min
Delta R.T.: 0.000 min
Response: 423177
Conc: 4.13 ug/ml



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

R.T.: 18.555 min
Delta R.T.: 0.000 min
Response: 582595
Conc: 4.44 ug/ml



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

R.T.: 18.747 min
Delta R.T.: 0.000 min
Response: 589049
Conc: 4.73 ug/ml

Instrument :

FID_F

ClientSampleId :

5 PPM AROMATIC HC STD5

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF022625AR\
 Data File : FF015531.D
 Signal(s) : FID2B.ch
 Acq On : 25 Feb 2025 10:58
 Sample : 5 PPM AROMATIC HC STD5
 Misc :
 ALS Vial : 75 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 022625.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	4.606	4.577	4.716	BB	58285	662305	79.18%	5.118%
2	6.281	6.251	6.409	BB	38261	591957	70.77%	4.574%
3	7.378	7.351	7.509	BB	35460	581701	69.55%	4.495%
4	8.003	7.944	8.117	BB	35575	538529	64.38%	4.162%
5	8.674	8.642	8.791	BB	55514	727458	86.97%	5.622%
6	8.892	8.859	8.947	BV	12790	259291	31.00%	2.004%
7	8.970	8.947	9.072	VB	62983	765465	91.52%	5.915%
8	9.769	9.741	9.904	BB	32061	616053	73.65%	4.761%
9	11.176	11.137	11.235	BV	36746	587822	70.28%	4.543%
10	11.258	11.235	11.401	VBA	19936	548650	65.59%	4.240%
11	11.934	11.864	12.011	BB	63598	776499	92.84%	6.001%
12	12.998	12.921	13.149	BB	37149	706215	84.43%	5.457%
13	13.294	13.262	13.449	BB	42977	739289	88.39%	5.713%
14	15.181	15.152	15.200	BV	30775	411104	49.15%	3.177%
15	15.219	15.200	15.341	VBA	35905	815728	97.53%	6.304%
16	16.737	16.706	16.754	BV	44969	574628	68.70%	4.441%
17	16.770	16.754	16.927	VB	35432	836422	100.00%	6.464%
18	17.130	17.102	17.287	BB	24418	606525	72.51%	4.687%
19	18.510	18.477	18.537	BV	23522	423177	50.59%	3.270%
20	18.555	18.537	18.721	VV	15257	582595	69.65%	4.502%
21	18.747	18.721	18.851	VBA	29878	589049	70.42%	4.552%
Sum of corrected areas:							12940460	

Aromatic EPH 022625.M Wed Feb 26 12:45:40 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF022625AR\
 Data File : FF015532.D
 Signal(s) : FID2B.ch
 Acq On : 25 Feb 2025 11:27
 Operator : YP\AJ
 Sample : 20 PPM AROMATIC HC STD ICV
 Misc :
 ALS Vial : 76 Sample Multiplier: 1

Instrument :
 FID_F
 ClientSampleId :
 20 PPM AROMATIC HC STD ICV

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 02/26/2025
 Supervised By :Ankita Jodhani 02/27/2025

Integration File: autoint1.e
 Quant Time: Feb 26 12:37:01 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 022625.M
 Quant Title : GC Extractables
 QLast Update : Wed Feb 26 12:36:06 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...	7.997	2223183	19.097 ug/ml
Spiked Amount 50.000		Recovery =	38.19%
6) S 2-Fluorobiphenyl (SURR)	8.873	1393028	19.556 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	39.11%
11) S ortho-Terphenyl (SURR)	11.932	2758671	18.753 ug/ml
Spiked Amount 50.000		Recovery =	37.51%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.604	2444721	18.937 ug/ml
2) T Naphthalene (C11.7)	6.275	2428126	19.025 ug/ml
3) T 2-Methylnaphthalene (...)	7.370	2417949	19.096 ug/ml
5) T Acenaphthylene (C15.06)	8.671	2656254	18.791 ug/ml
7) T Acenaphthene (C15.5)	8.969	2656870	18.654 ug/ml
8) T Fluorene (C16.55)	9.760	2532143	19.030 ug/ml
9) T Phenanthrene (C19.36)	11.167	2491796	19.156 ug/ml
10) T Anthracene (C19.43)	11.242	2419377	19.316 ug/ml
12) T Fluoranthene (C21.85)	12.988	2674844	18.941 ug/ml
13) T Pyrene (C20.8)	13.286	2753238	19.151 ug/ml
14) T Benzo[a]anthracene (C...	15.169	2379295	20.255 ug/ml
15) T Chrysene (C27.41)	15.211	2846808	19.060 ug/ml
16) T benzo[b]fluoranthene ...	16.729	2598123	19.949 ug/ml
17) T Bnezo[k]fluoranthene ...	16.761	2873167	19.255 ug/ml
18) T Benzo[a]pyrene (C31.34)	17.111	2501469	19.711 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.484	1945146	19.004 ug/ml
20) T Dibenz[a,h]anthracene...	18.524	2639296	20.413 ug/ml
21) T Benzo[g,h,i]perylene ...	18.738	2475509	19.893 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF022625AR\
Data File : FF015532.D
Signal(s) : FID2B.ch
Acq On : 25 Feb 2025 11:27
Operator : YP\AJ
Sample : 20 PPM AROMATIC HC STD ICV
Misc :
ALS Vial : 76 Sample Multiplier: 1

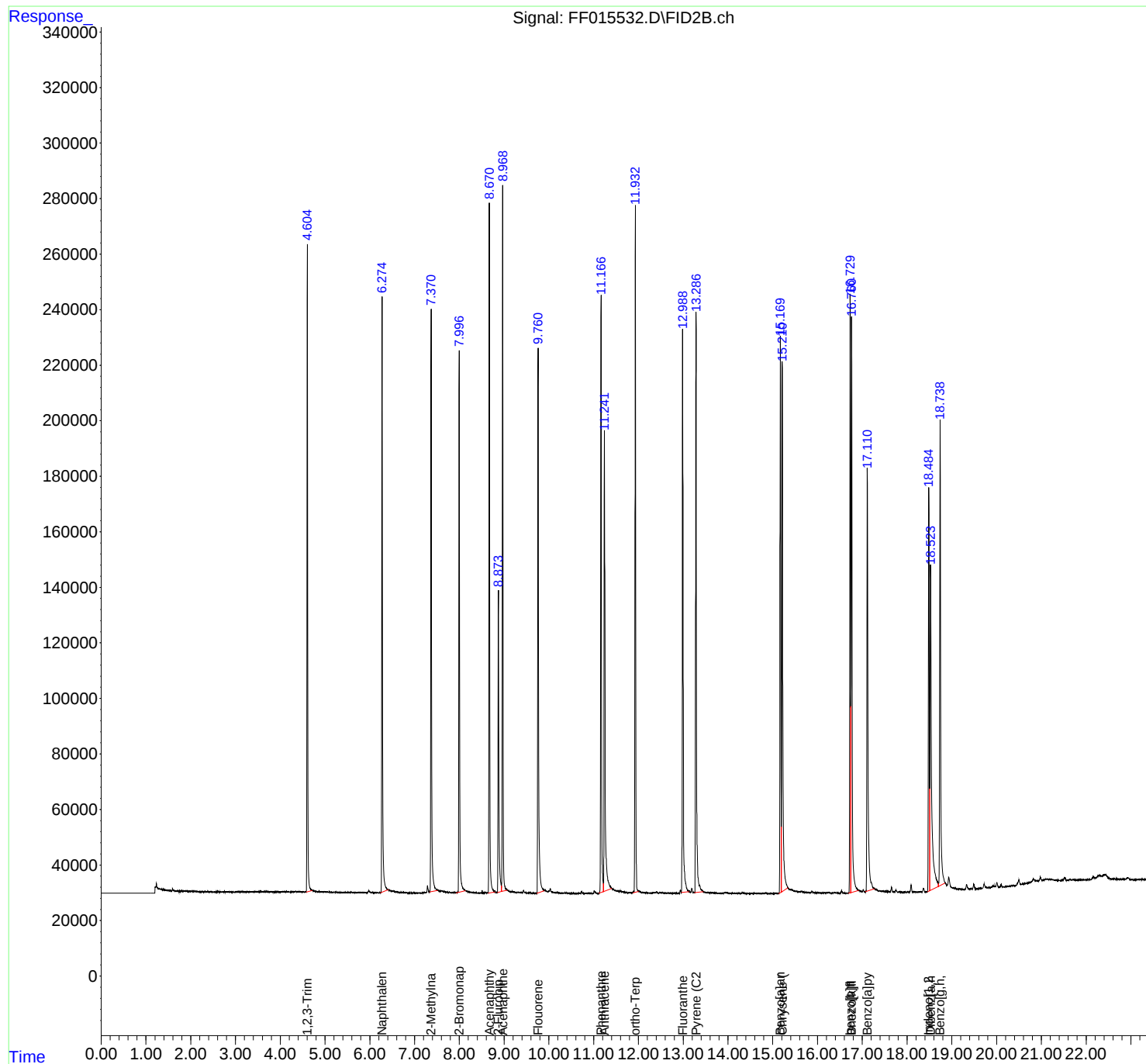
Instrument :
FID_F
ClientSampleId :
20 PPM AROMATIC HC STD ICV

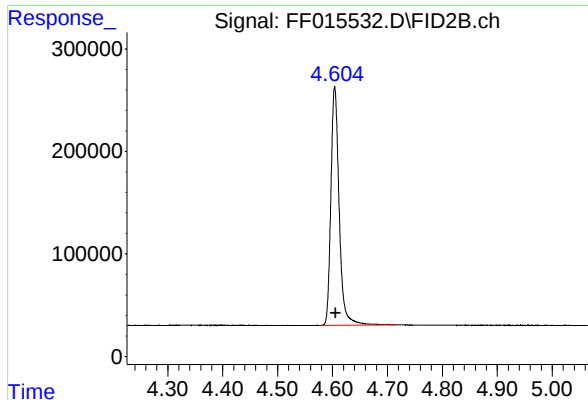
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/26/2025
Supervised By :Ankita Jodhani 02/27/2025

Integration File: autoint1.e
Quant Time: Feb 26 12:37:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 022625.M
Quant Title : GC Extractables
QLast Update : Wed Feb 26 12:36:06 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.: 4.604 min
Delta R.T.: -0.002 min
Response: 2444721
Conc: 18.94 ug/ml

Instrument :

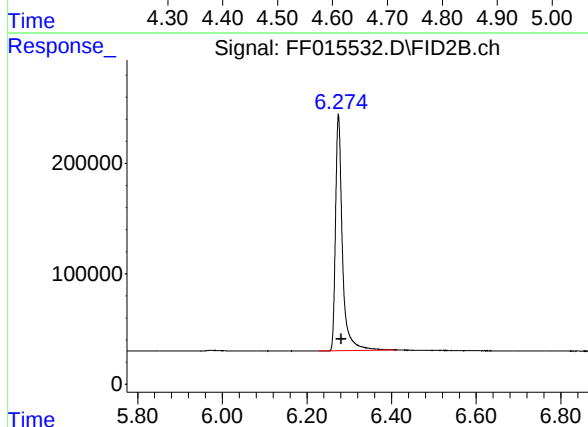
FID_F

ClientSampleId :

20 PPM AROMATIC HC STD ICV

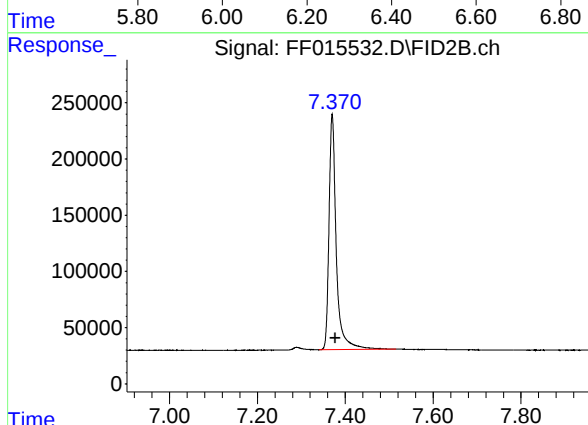
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/26/2025
Supervised By :Ankita Jodhani 02/27/2025



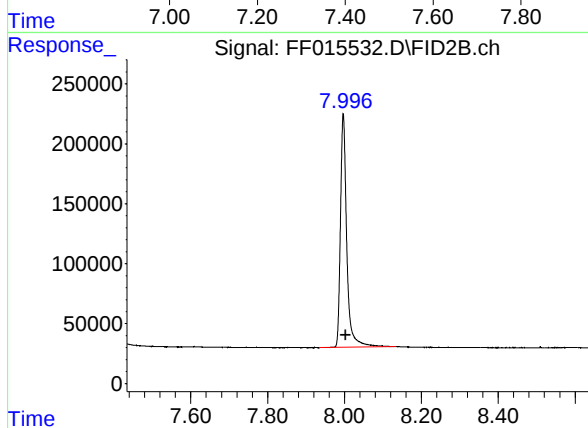
#2 Naphthalene (C11.7)

R.T.: 6.275 min
Delta R.T.: -0.006 min
Response: 2428126
Conc: 19.03 ug/ml



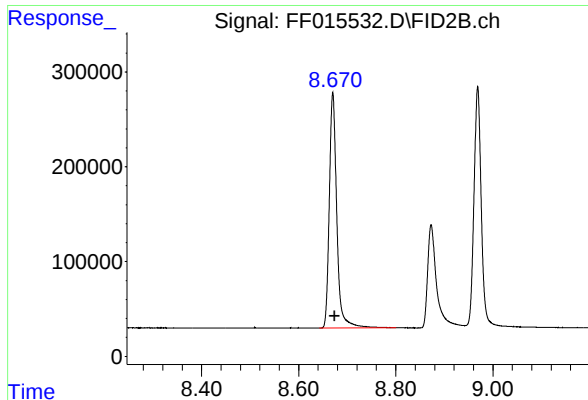
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.370 min
Delta R.T.: -0.007 min
Response: 2417949
Conc: 19.10 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.997 min
Delta R.T.: -0.006 min
Response: 2223183
Conc: 19.10 ug/ml



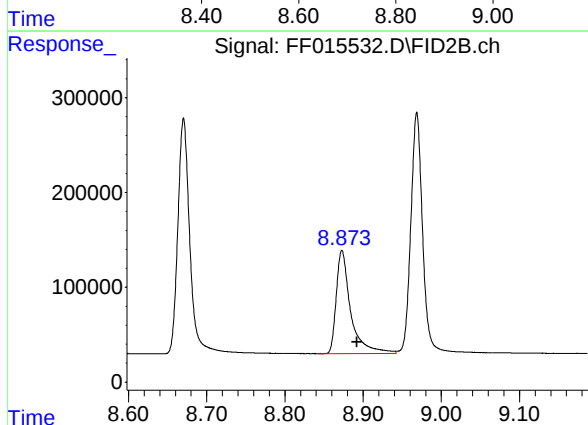
#5 Acenaphthylene (C15.06)

R.T.: 8.671 min
Delta R.T.: -0.004 min
Response: 2656254
Conc: 18.79 ug/ml

Instrument : FID_F
ClientSampleId :
20 PPM AROMATIC HC STD ICV

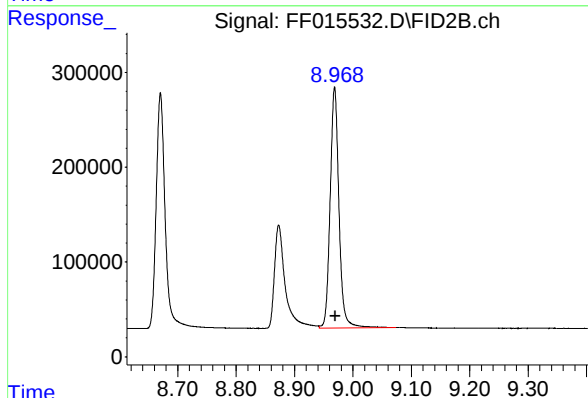
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/26/2025
Supervised By :Ankita Jodhani 02/27/2025



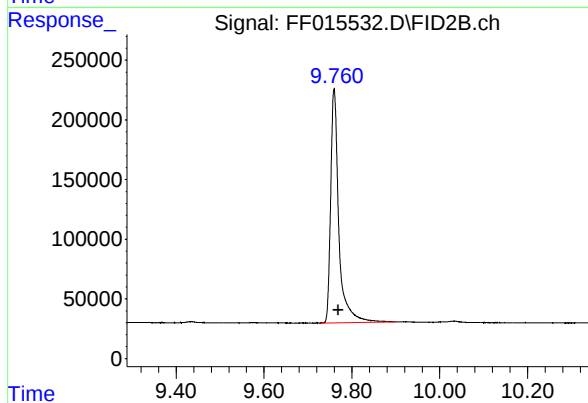
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.873 min
Delta R.T.: -0.019 min
Response: 1393028
Conc: 19.56 ug/ml



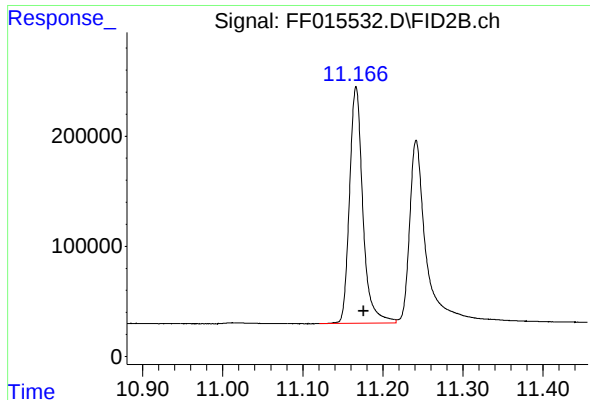
#7 Acenaphthene (C15.5)

R.T.: 8.969 min
Delta R.T.: -0.001 min
Response: 2656870
Conc: 18.65 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.760 min
Delta R.T.: -0.009 min
Response: 2532143
Conc: 19.03 ug/ml



#9 Phenanthrene (C19.36)

R.T.: 11.167 min
Delta R.T.: -0.010 min
Response: 2491796
Conc: 19.16 ug/ml

Instrument :

FID_F

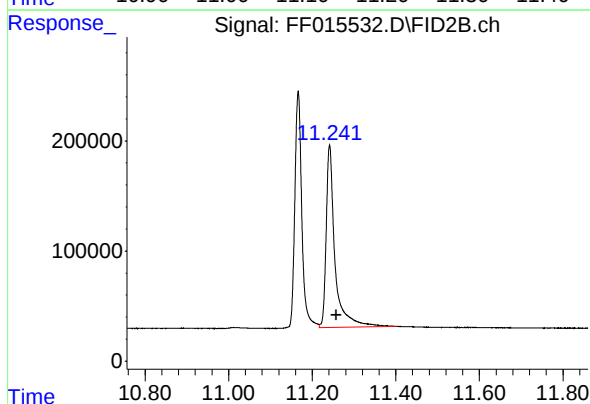
ClientSampleId :

20 PPM AROMATIC HC STD ICV

Manual Integrations

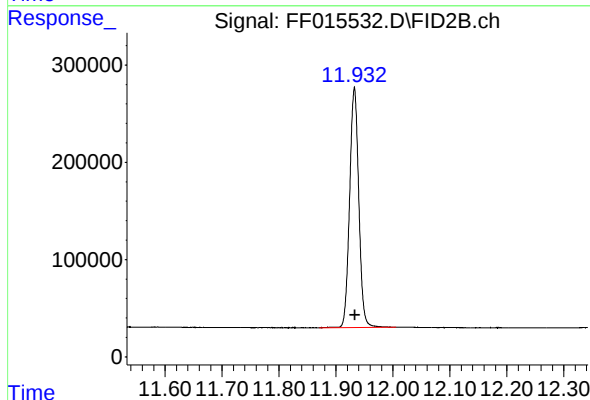
APPROVED

Reviewed By :Yogesh Patel 02/26/2025
Supervised By :Ankita Jodhani 02/27/2025



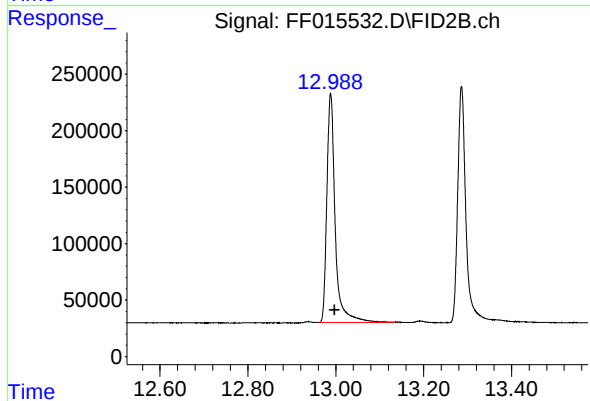
#10 Anthracene (C19.43)

R.T.: 11.242 min
Delta R.T.: -0.016 min
Response: 2419377
Conc: 19.32 ug/ml



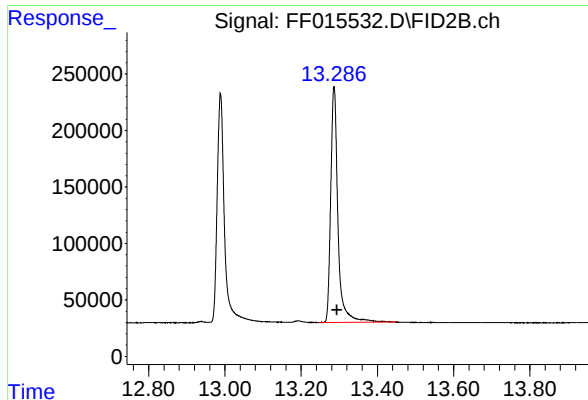
#11 ortho-Terphenyl (SURR)

R.T.: 11.932 min
Delta R.T.: -0.001 min
Response: 2758671
Conc: 18.75 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.988 min
Delta R.T.: -0.010 min
Response: 2674844
Conc: 18.94 ug/ml



#13 Pyrene (C20.8)

R.T.: 13.286 min
Delta R.T.: -0.007 min
Response: 2753238
Conc: 19.15 ug/ml

Instrument :

FID_F

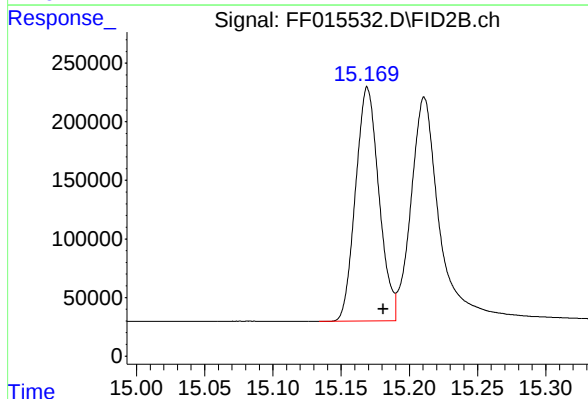
ClientSampleId :

20 PPM AROMATIC HC STD ICV

Manual Integrations

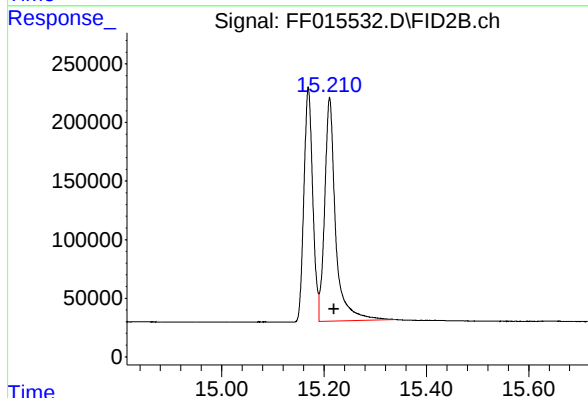
APPROVED

Reviewed By :Yogesh Patel 02/26/2025
Supervised By :Ankita Jodhani 02/27/2025



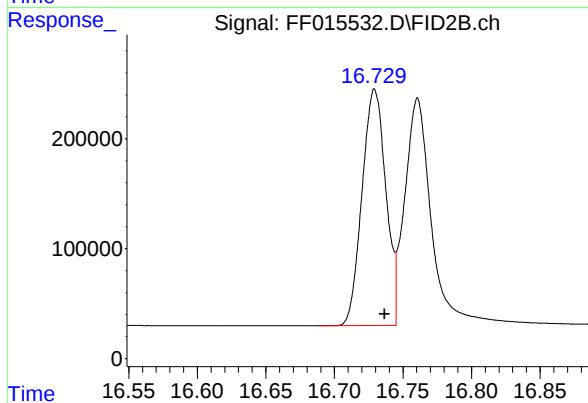
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.169 min
Delta R.T.: -0.012 min
Response: 2379295
Conc: 20.26 ug/ml



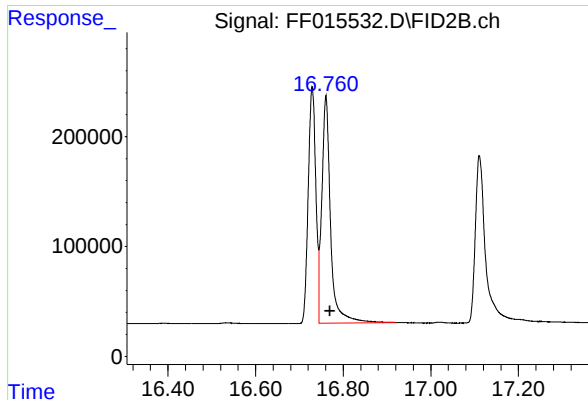
#15 Chrysene (C27.41)

R.T.: 15.211 min
Delta R.T.: -0.009 min
Response: 2846808
Conc: 19.06 ug/ml



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

R.T.: 16.729 min
Delta R.T.: -0.007 min
Response: 2598123
Conc: 19.95 ug/ml



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

R.T.: 16.761 min
Delta R.T.: -0.009 min
Response: 2873167
Conc: 19.26 ug/ml

Instrument :

FID_F

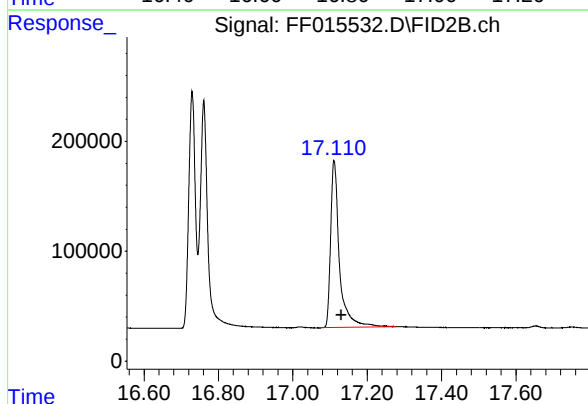
ClientSampleId :

20 PPM AROMATIC HC STD ICV

Manual Integrations

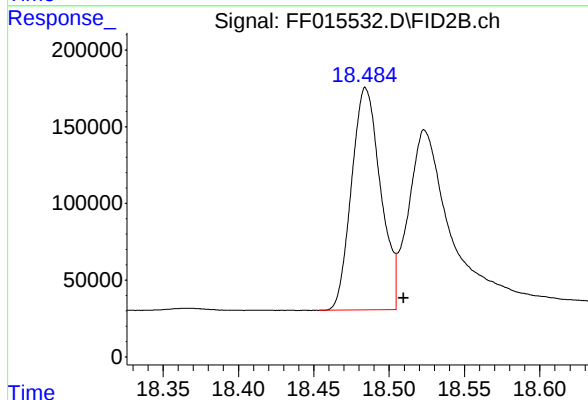
APPROVED

Reviewed By :Yogesh Patel 02/26/2025
Supervised By :Ankita Jodhani 02/27/2025



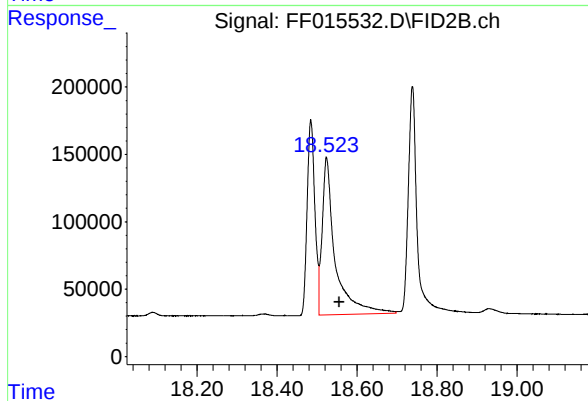
#18 Benzo[a]pyrene (C31.34)

R.T.: 17.111 min
Delta R.T.: -0.019 min
Response: 2501469
Conc: 19.71 ug/ml



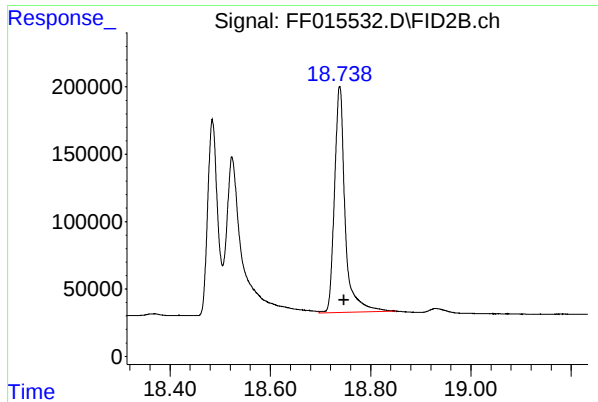
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.484 min
Delta R.T.: -0.026 min
Response: 1945146
Conc: 19.00 ug/ml m



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

R.T.: 18.524 min
Delta R.T.: -0.031 min
Response: 2639296
Conc: 20.41 ug/ml



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

R.T.: 18.738 min
Delta R.T.: -0.009 min
Response: 2475509
Conc: 19.89 ug/ml

Instrument :

FID_F

ClientSampleId :

20 PPM AROMATIC HC STD ICV

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/26/2025
Supervised By :Ankita Jodhani 02/27/2025

rteres

Instrument :
FID_F
ClientSampleId :
20 PPM AROMATIC HC STD ICV
Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/26/2025
Supervised By :Ankita Jodhani 02/27/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF02262
Data File : FF015532.D
Signal(s) : FID2B.ch
Acq On : 25 Feb 2025 11:27
Sample : 20 PPM AROMATIC HC STD ICV
Misc :
ALS Vial : 76 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 022625.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	4.604	4.575	4.715	BB	232836	2444721	85.09%	4.692%
2	6.275	6.229	6.410	BB	212781	2428126	84.51%	4.660%
3	7.370	7.340	7.515	BB	209417	2417949	84.16%	4.640%
4	7.997	7.934	8.134	BB	194548	2223183	77.38%	4.266%
5	8.671	8.642	8.800	BB	248331	2656254	92.45%	5.097%
6	8.873	8.844	8.942	BV	108403	1393028	48.48%	2.673%
7	8.969	8.942	9.074	VB	254046	2656870	92.47%	5.099%
8	9.760	9.725	9.900	BB	196152	2532143	88.13%	4.859%
9	11.167	11.120	11.216	BV	215323	2491796	86.73%	4.782%
10	11.242	11.216	11.400	VBA	165686	2419377	84.21%	4.643%
11	11.932	11.870	12.005	BB	246436	2758671	96.01%	5.294%
12	12.988	12.962	13.137	BB	202419	2674844	93.10%	5.133%
13	13.286	13.247	13.449	BB	208846	2753238	95.83%	5.284%
14	15.169	15.134	15.190	BV	199821	2379295	82.81%	4.566%
15	15.211	15.190	15.340	VBA	190853	2846808	99.08%	5.463%
16	16.729	16.689	16.745	BV	215314	2598123	90.43%	4.986%
17	16.761	16.745	16.920	VB	207100	2873167	100.00%	5.514%
18	17.111	17.070	17.277	BB	151174	2501469	87.06%	4.800%
19	18.485	18.450	18.505	BV	145033	1945141	67.70%	3.733%
20	18.524	18.505	18.697	VV	116704	2639296	91.86%	5.065%
21	18.738	18.697	18.850	VBA	167898	2475509	86.16%	4.751%
Sum of corrected areas:						52109006		

Aromatic EPH 022625.M Wed Feb 26 12:44:55 2025