

Initial Calibration Report for SequenceID : FD091523AR

AreaCount

Parameter Range	FD046485.D	FD046486.D	FD046487.D	FD046488.D	FD046489.D	
Aromatic C10-C12	35809815.000	18516446.000	7524558.000	3790068.000	2029985.000	
Aromatic C12-C16	53407802.000	27485431.000	11165345.000	5582942.000	2948402.000	
Aromatic C16-C21	64760637.000	33374505.000	13527258.000	6743363.000	3517489.000	
Aromatic C21-C36	122666222.000	62772982.000	25188465.000	12524856.000	6570806.000	
Aromatic EPH	276644476.000	142149364.000	57405626.000	28641229.000	15066682.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aromatic C10-C12	188965.877	4.664				
Aromatic C12-C16	186001.8993328	3.634				
Aromatic C16-C21	168464.6735	2.982				
Aromatic C21-C36	140182.042444	2.54				
Aromatic EPH	159524.1404438	3.116				

Concentration

Parameter Range	FD046485.D	FD046486.D	FD046487.D	FD046488.D	FD046489.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	FD046485.D	FD046486.D	FD046487.D	FD046488.D	FD046489.D	
Aromatic C10-C12	179049.075000	185164.460000	188113.950000	189503.400000	202998.500000	
Aromatic C12-C16	178026.006666	183236.206666	186089.083333	186098.066666	196560.133333	
Aromatic C16-C21	161901.592500	166872.525000	169090.725000	168584.075000	175874.450000	
Aromatic C21-C36	136295.802222	139495.515555	139935.916666	139165.066666	146017.911111	
Aromatic EPH	153691.375555	157943.737777	159460.072222	159117.938888	167407.577777	

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD091523AR\
 Data File : FD046485.D
 Signal(s) : FID2B.ch
 Acq On : 14 Sep 2023 17:01
 Operator : YP/AJ
 Sample : 100 PPM AROMATIC HC STD1
 Misc :
 ALS Vial : 56 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 100 PPM AROMATIC HC STD1

Integration File: autoint1.e
 Quant Time: Sep 14 19:46:58 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 091523.M
 Quant Title : GC Extractables
 QLast Update : Thu Sep 14 19:41:25 2023
 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...	7.498	16899416	98.162 ug/ml
Spiked Amount 50.000		Recovery =	196.32%
6) S 2-Fluorobiphenyl (SURR)	8.353	11332898	98.771 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	197.54%#
11) S ortho-Terphenyl (SURR)	11.392	19404325	97.771 ug/ml
Spiked Amount 50.000		Recovery =	195.54%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.309	17456304	97.429 ug/ml
2) T Naphthalene (C11.7)	5.837	18353511	97.628 ug/ml
3) T 2-Methylnaphthalene (...)	6.888	18563132	97.523 ug/ml
5) T Acenaphthylene (C15.06)	8.157	16871016	98.023 ug/ml
7) T Acenaphthene (C15.5)	8.455	17973654	97.835 ug/ml
8) T Fluorene (C16.55)	9.233	17640927	98.547 ug/ml
9) T Phenanthrene (C19.36)	10.622	17090935	98.753 ug/ml
10) T Anthracene (C19.43)	10.697	13939508	94.820 ug/ml
12) T Fluoranthene (C21.85)	12.428	16621499	98.627 ug/ml
13) T Pyrene (C20.8)	12.724	16089267	98.770 ug/ml
14) T Benzo[a]anthracene (C...	14.585	13877989	99.685 ug/ml
15) T Chrysene (C27.41)	14.634	14752663	98.958 ug/ml
16) T benzo[b]fluoranthene ...	16.131	13532858	99.282 ug/ml
17) T Bnezo[k]fluoranthene ...	16.170	13388765	99.354 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.507	13016413	98.769 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.867	12815613	101.082 ug/ml
20) T Dibenz[a,h]anthracene...	17.909	12006751	94.731 ug/ml
21) T Benzo[g,h,i]perylene ...	18.126	12653671	97.852 ug/ml

(f)=RT Delta > 1/2 Window

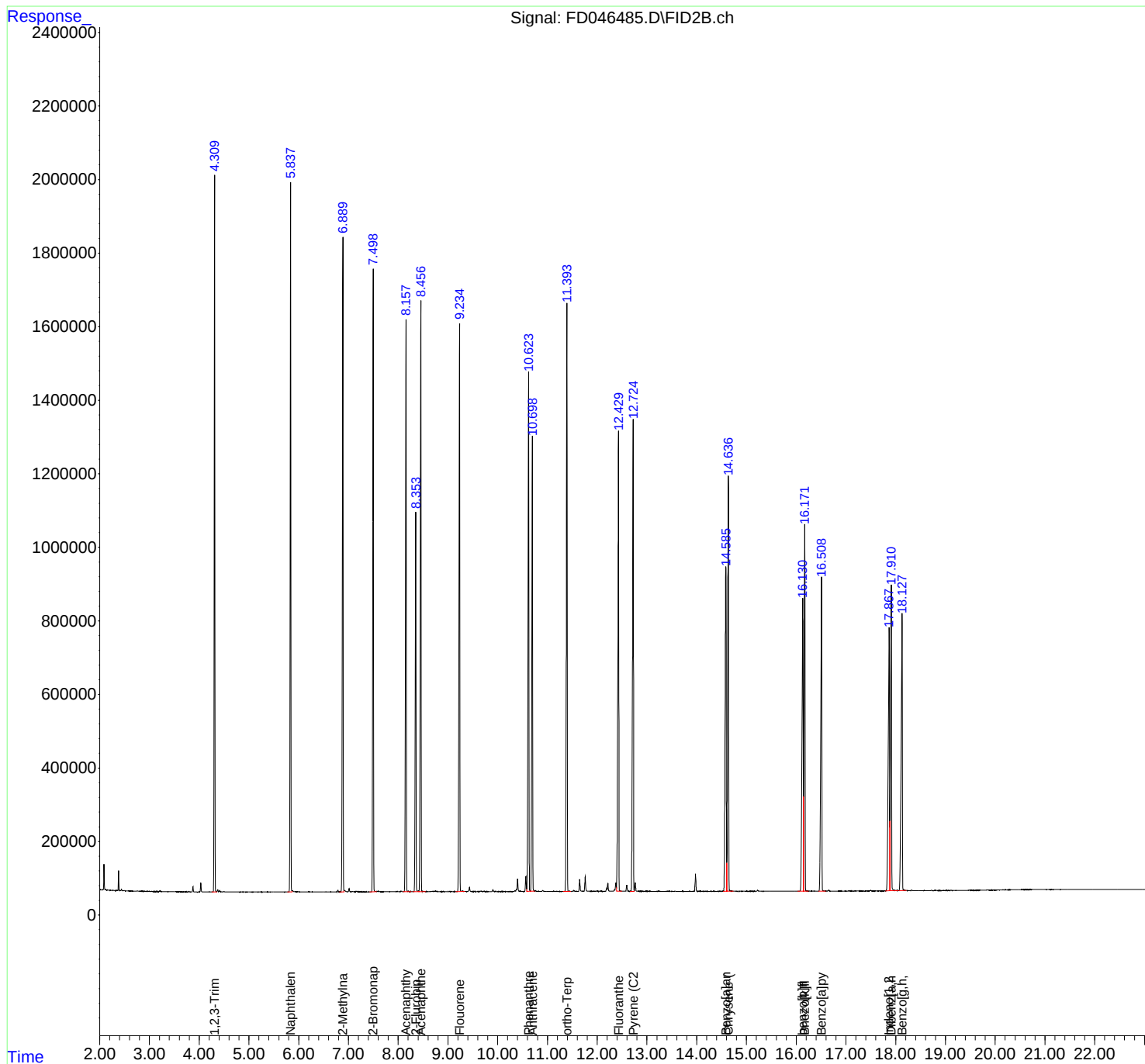
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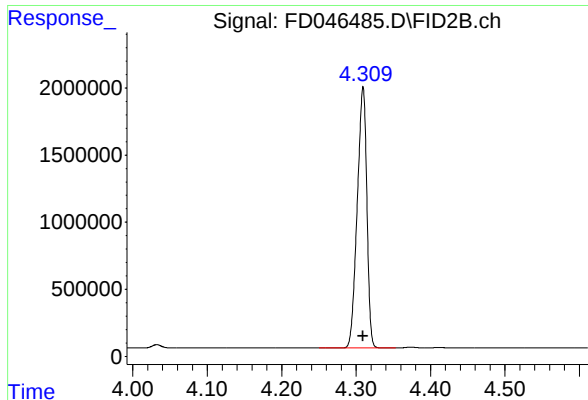
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Data File : FD046485.D
Signal(s) : FID2B.ch
Acq On : 14 Sep 2023 17:01
Operator : YP/AJ
Sample : 100 PPM AROMATIC HC STD1
Misc :
ALS Vial : 56 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
100 PPM AROMATIC HC STD1

Integration File: autoint1.e
Quant Time: Sep 14 19:46:58 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 091523.M
Quant Title : GC Extractables
QLast Update : Thu Sep 14 19:41:25 2023
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)

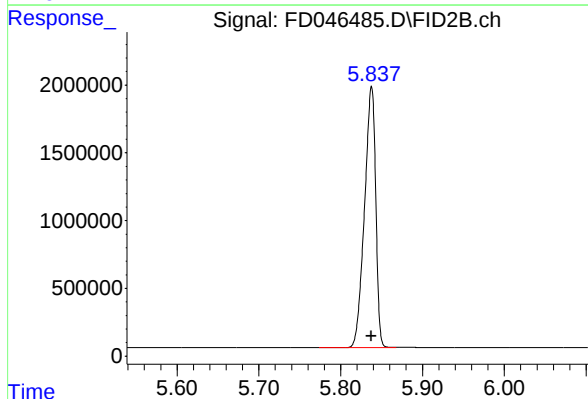
R.T.: 4.309 min
Delta R.T.: 0.000 min
Response: 17456304
Conc: 97.43 ug/ml

Instrument :

FID_D

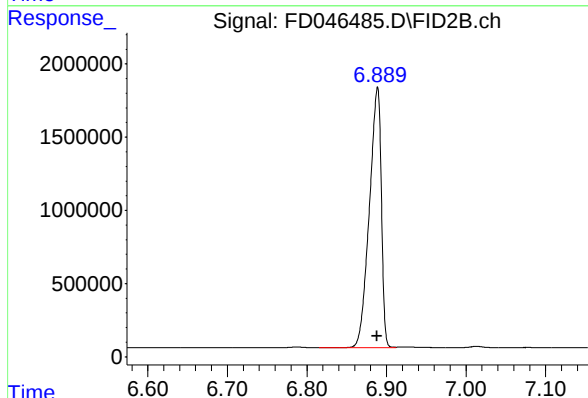
ClientSampleId :

100 PPM AROMATIC HC STD1



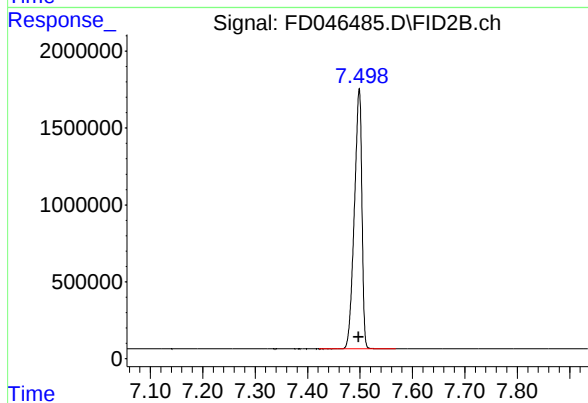
#2 Naphthalene (C11.7)

R.T.: 5.837 min
Delta R.T.: 0.000 min
Response: 18353511
Conc: 97.63 ug/ml



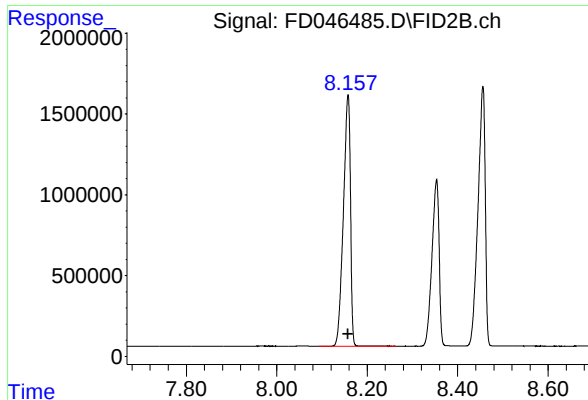
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.888 min
Delta R.T.: 0.000 min
Response: 18563132
Conc: 97.52 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.498 min
Delta R.T.: 0.000 min
Response: 16899416
Conc: 98.16 ug/ml



#5 Acenaphthylene (C15.06)

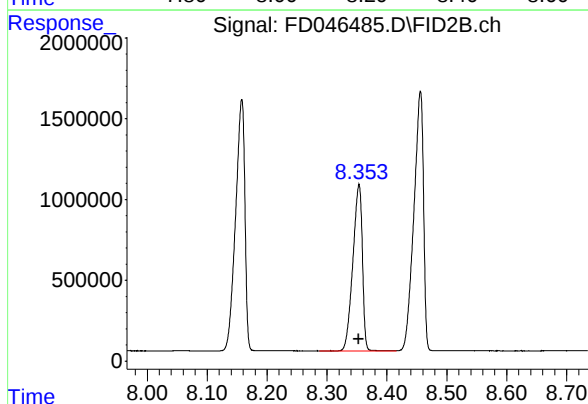
R.T.: 8.157 min
Delta R.T.: 0.000 min
Response: 16871016
Conc: 98.02 ug/ml

Instrument :

FID_D

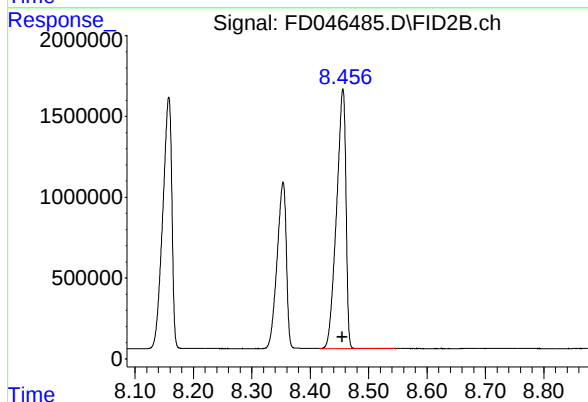
ClientSampleId :

100 PPM AROMATIC HC STD1



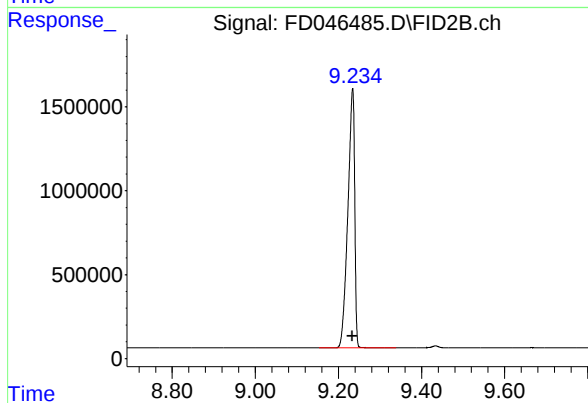
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.353 min
Delta R.T.: 0.000 min
Response: 11332898
Conc: 98.77 ug/ml



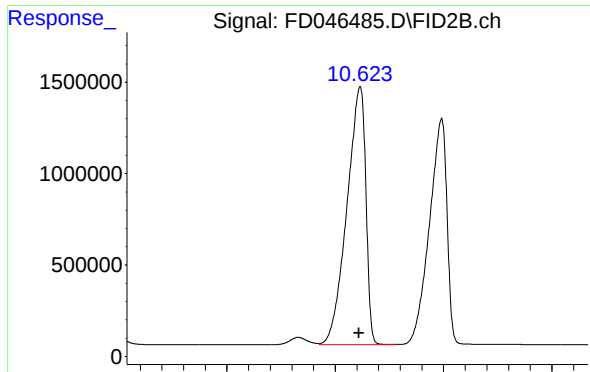
#7 Acenaphthene (C15.5)

R.T.: 8.455 min
Delta R.T.: 0.000 min
Response: 17973654
Conc: 97.84 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.233 min
Delta R.T.: 0.000 min
Response: 17640927
Conc: 98.55 ug/ml



#9 Phenanthrene (C19.36)

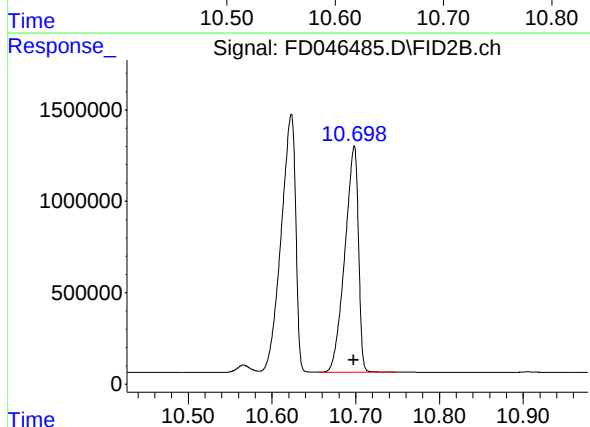
R.T.: 10.622 min
Delta R.T.: 0.000 min
Response: 17090935
Conc: 98.75 ug/ml

Instrument :

FID_D

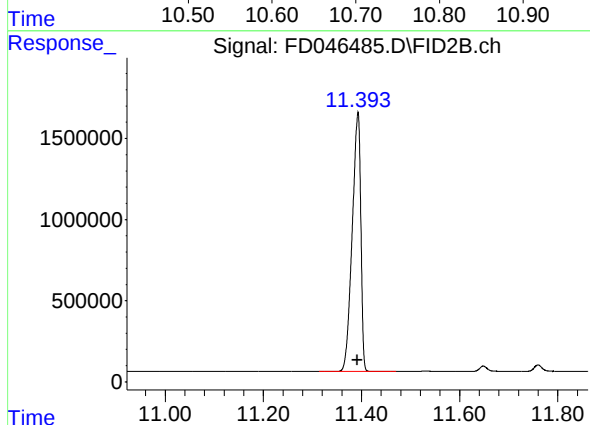
ClientSampleId :

100 PPM AROMATIC HC STD1



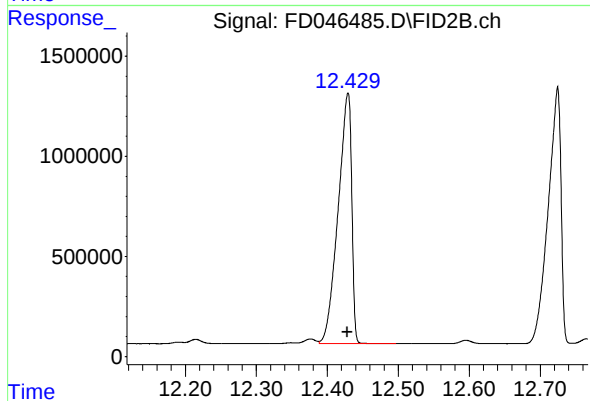
#10 Anthracene (C19.43)

R.T.: 10.697 min
Delta R.T.: 0.000 min
Response: 13939508
Conc: 94.82 ug/ml



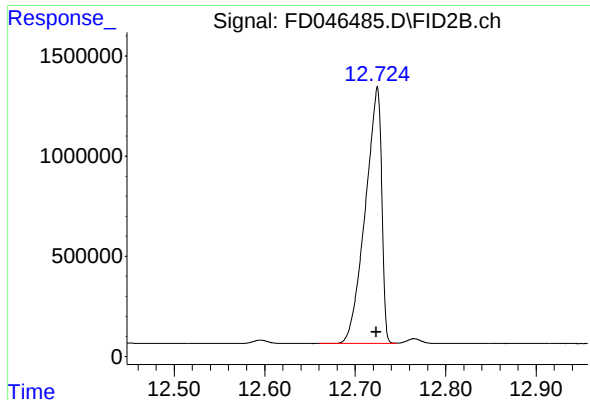
#11 ortho-Terphenyl (SURR)

R.T.: 11.392 min
Delta R.T.: 0.000 min
Response: 19404325
Conc: 97.77 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.428 min
Delta R.T.: 0.000 min
Response: 16621499
Conc: 98.63 ug/ml



#13 Pyrene (C20.8)

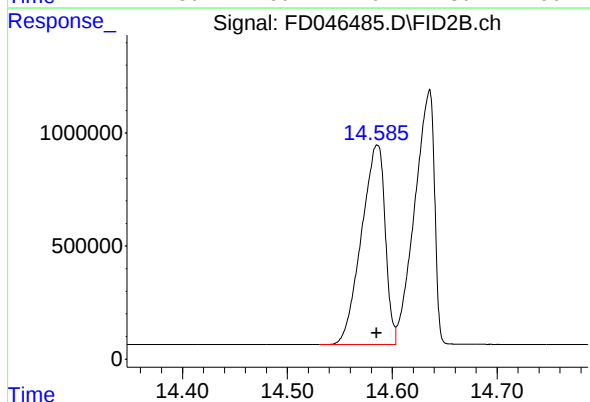
R.T.: 12.724 min
Delta R.T.: 0.000 min
Response: 16089267
Conc: 98.77 ug/ml

Instrument :

FID_D

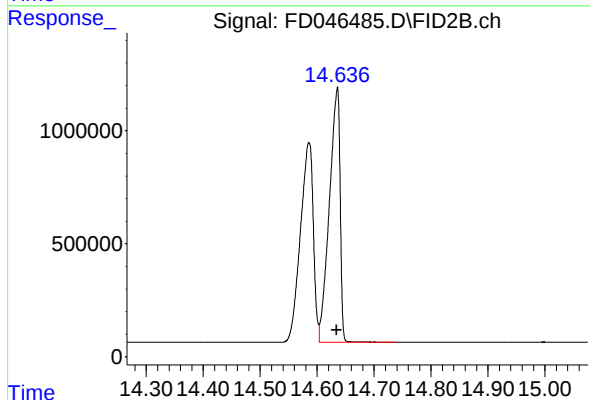
ClientSampleId :

100 PPM AROMATIC HC STD1



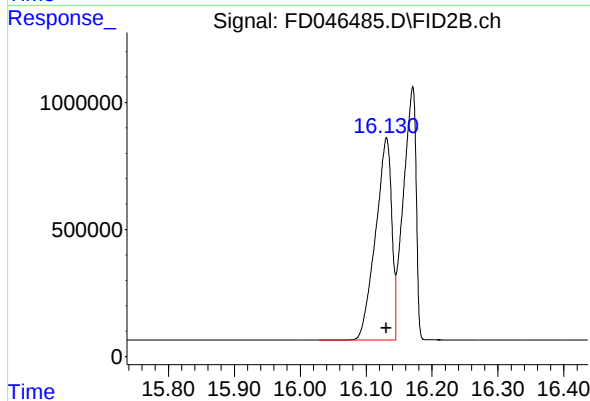
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.585 min
Delta R.T.: 0.000 min
Response: 13877989
Conc: 99.68 ug/ml



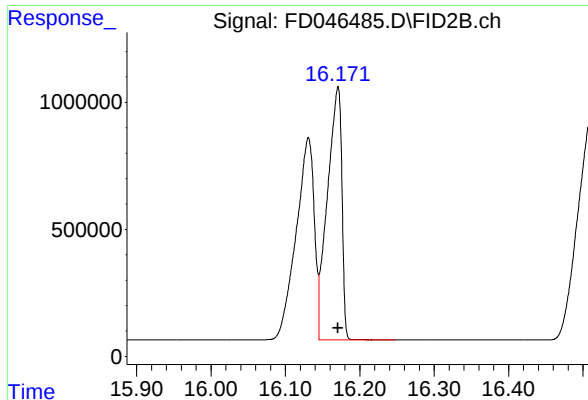
#15 Chrysene (C27.41)

R.T.: 14.634 min
Delta R.T.: 0.000 min
Response: 14752663
Conc: 98.96 ug/ml



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

R.T.: 16.131 min
Delta R.T.: 0.000 min
Response: 13532858
Conc: 99.28 ug/ml



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

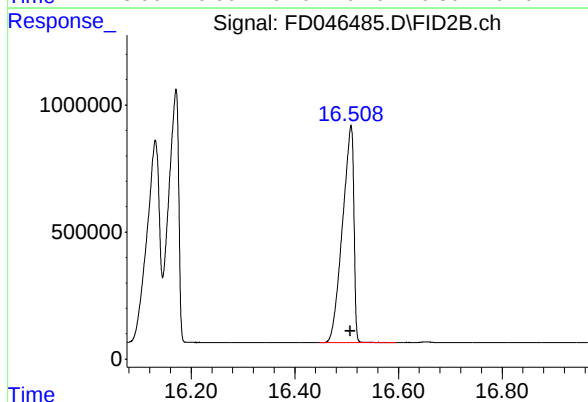
R.T.: 16.170 min
Delta R.T.: 0.000 min
Response: 13388765
Conc: 99.35 ug/ml

Instrument :

FID_D

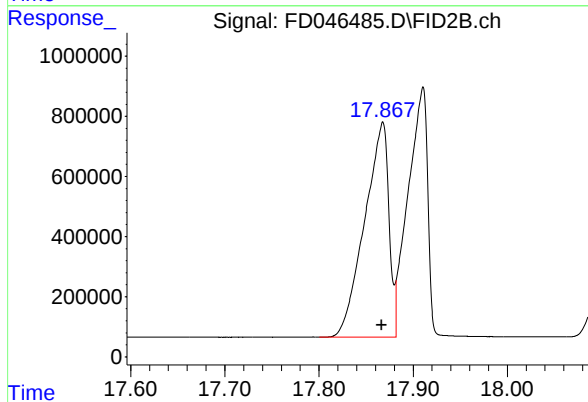
ClientSampleId :

100 PPM AROMATIC HC STD1



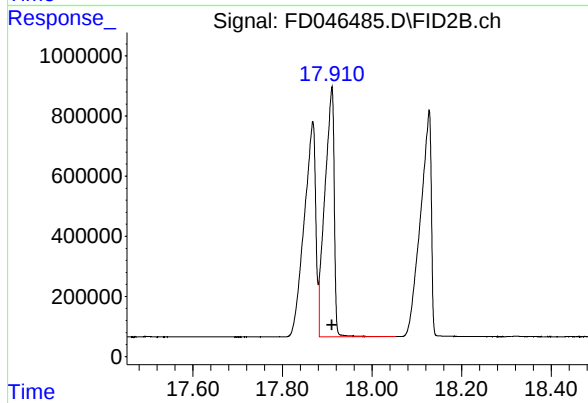
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.507 min
Delta R.T.: 0.000 min
Response: 13016413
Conc: 98.77 ug/ml



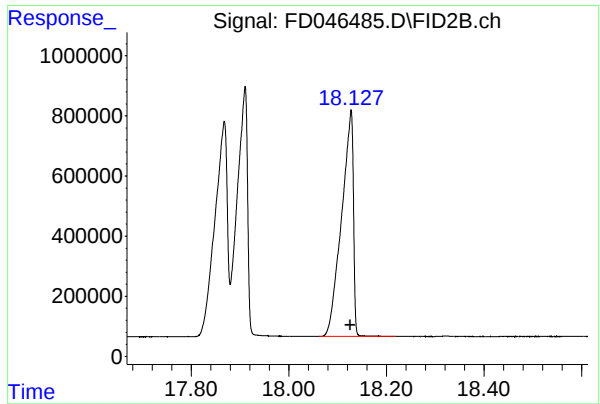
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.867 min
Delta R.T.: 0.000 min
Response: 12815613
Conc: 101.08 ug/ml



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

R.T.: 17.909 min
Delta R.T.: -0.001 min
Response: 12006751
Conc: 94.73 ug/ml



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

R.T.: 18.126 min
Delta R.T.: 0.000 min
Response: 12653671
Conc: 97.85 ug/ml

Instrument :

FID_D

ClientSampleId :

100 PPM AROMATIC HC STD1

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD091523AR\
Data File : FD046485.D
Signal(s) : FID2B.ch
Acq On : 14 Sep 2023 17:01
Sample : 100 PPM AROMATIC HC STD1
Misc :
ALS Vial : 56 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 091523.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	4.309	4.250	4.353	BV	1936591	17456304	89.96%	5.383%
2	5.837	5.773	5.867	BV	1925297	18353511	94.58%	5.660%
3	6.888	6.815	6.912	PV	1783219	18563132	95.66%	5.724%
4	7.498	7.422	7.568	BV	1700281	16899416	87.09%	5.211%
5	8.157	8.093	8.263	BB	1552392	16871016	86.94%	5.203%
6	8.353	8.287	8.415	BV	1035210	11332898	58.40%	3.495%
7	8.455	8.415	8.547	VB	1605534	17973654	92.63%	5.543%
8	9.233	9.153	9.338	BB	1539053	17640927	90.91%	5.440%
9	10.622	10.585	10.656	VV	1400743	17090935	88.08%	5.270%
10	10.697	10.656	10.748	VV	1224002	13939508	71.84%	4.299%
11	11.392	11.313	11.470	BB	1581621	19404325	100.00%	5.984%
12	12.428	12.388	12.497	VB	1248963	16621499	85.66%	5.126%
13	12.724	12.660	12.745	BV	1265076	16089267	82.92%	4.962%
14	14.585	14.530	14.603	BV	883333	13877989	71.52%	4.280%
15	14.634	14.603	14.738	VB	1100671	14752663	76.03%	4.549%
16	16.131	16.028	16.145	BV	796677	13532858	69.74%	4.173%
17	16.170	16.145	16.248	VB	995108	13388765	69.00%	4.129%
18	16.507	16.447	16.595	BV	848236	13016413	67.08%	4.014%
19	17.867	17.800	17.882	BV	713213	12815613	66.05%	3.952%
20	17.909	17.882	18.053	VB	813566	12006751	61.88%	3.703%
21	18.126	18.062	18.219	BBA	747805	12653671	65.21%	3.902%
Sum of corrected areas:						324281114		

Aromatic EPH 091523.M Fri Sep 15 01:54:41 2023

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD091523AR\
 Data File : FD046486.D
 Signal(s) : FID2B.ch
 Acq On : 14 Sep 2023 17:48
 Operator : YP/AJ
 Sample : 50 PPM AROMATIC HC STD2
 Misc :
 ALS Vial : 57 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 50 PPM AROMATIC HC STD2

Integration File: autoint1.e
 Quant Time: Sep 14 19:50:10 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 091523.M
 Quant Title : GC Extractables
 QLast Update : Thu Sep 14 19:41:25 2023
 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...	7.494	8709936	50.394 ug/ml
Spiked Amount 50.000		Recovery =	100.79%
6) S 2-Fluorobiphenyl (SURR)	8.347	5811984	50.434 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	100.87%
11) S ortho-Terphenyl (SURR)	11.386	10027678	50.349 ug/ml
Spiked Amount 50.000		Recovery =	100.70%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.306	9017481	50.219 ug/ml
2) T Naphthalene (C11.7)	5.833	9498965	50.351 ug/ml
3) T 2-Methylnaphthalene (...)	6.882	9518897	50.006 ug/ml
5) T Acenaphthylene (C15.06)	8.151	8690705	50.328 ug/ml
7) T Acenaphthene (C15.5)	8.448	9275829	50.326 ug/ml
8) T Fluorene (C16.55)	9.226	9060890	50.409 ug/ml
9) T Phenanthrene (C19.36)	10.615	8753270	50.383 ug/ml
10) T Anthracene (C19.43)	10.690	7334405	49.927 ug/ml
12) T Fluoranthene (C21.85)	12.420	8505498	50.312 ug/ml
13) T Pyrene (C20.8)	12.714	8225940	50.331 ug/ml
14) T Benzo[a]anthracene (C...	14.577	7057041	50.458 ug/ml
15) T Chrysene (C27.41)	14.621	7514545	50.270 ug/ml
16) T benzo[b]fluoranthene ...	16.119	6863096	50.233 ug/ml
17) T Bnezo[k]fluoranthene ...	16.154	6891340	50.585 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.495	6642669	50.269 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.853	6356096	50.089 ug/ml
20) T Dibenz[a,h]anthracene...	17.894	6438514	50.571 ug/ml
21) T Benzo[g,h,i]perylene ...	18.108	6504183	50.198 ug/ml

(f)=RT Delta > 1/2 Window

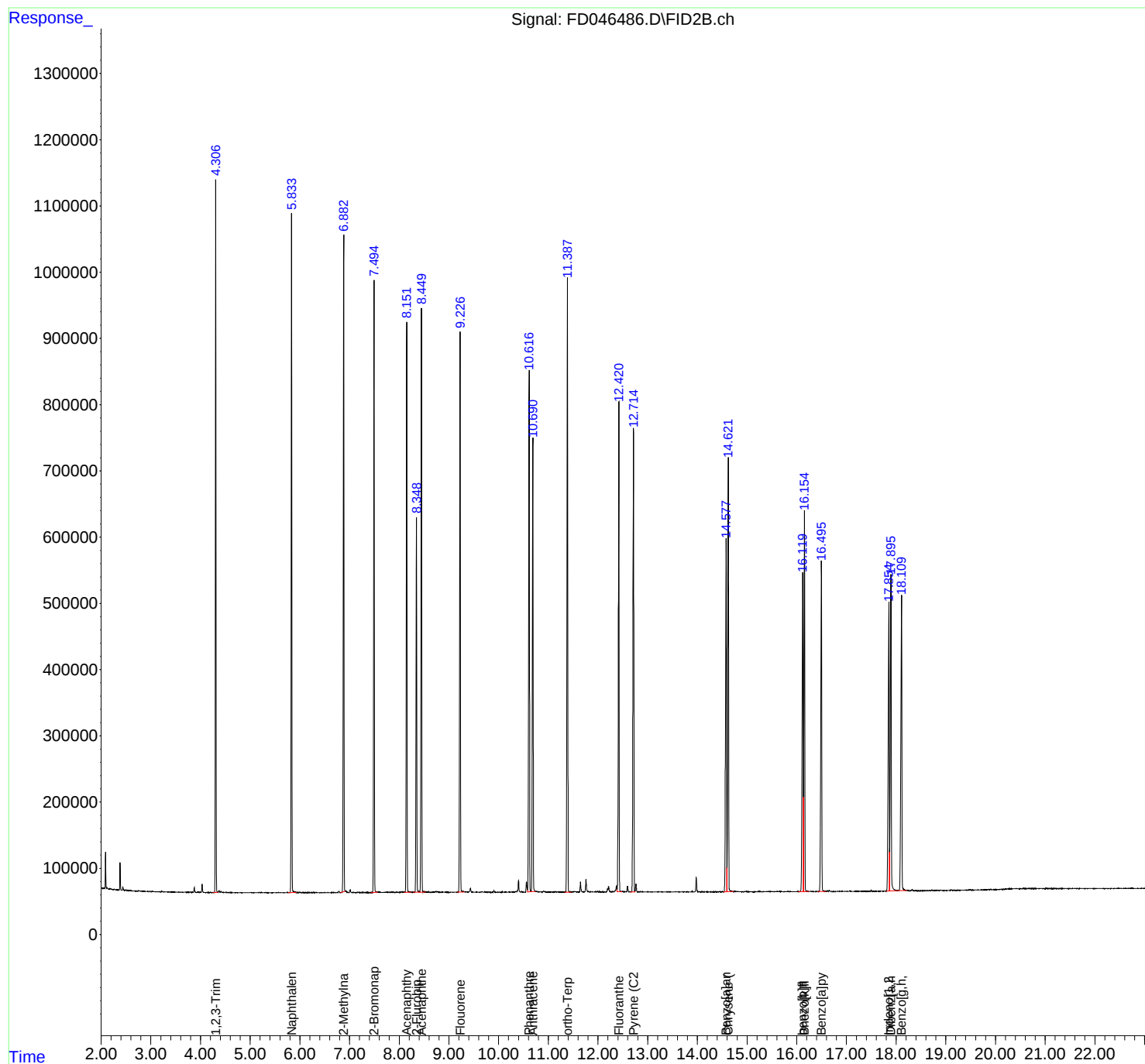
(m)=manual int.

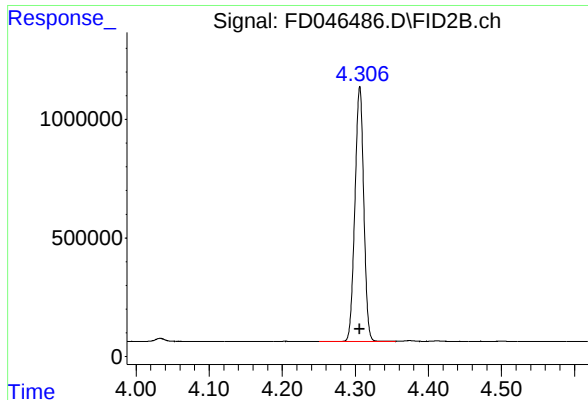
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD091523AR\
Data File : FD046486.D
Signal(s) : FID2B.ch
Acq On : 14 Sep 2023 17:48
Operator : YP/AJ
Sample : 50 PPM AROMATIC HC STD2
Misc :
ALS Vial : 57 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2

Integration File: autoint1.e
Quant Time: Sep 14 19:50:10 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 091523.M
Quant Title : GC Extractables
QLast Update : Thu Sep 14 19:41:25 2023
Response via : Initial Calibration
Integrator: ChemStation

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

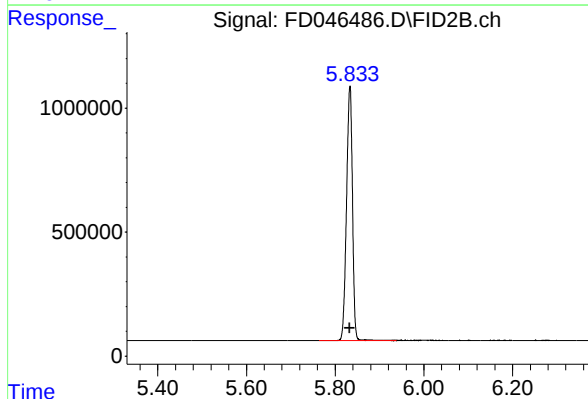




#1 1,2,3-Trimethylbenzene (C10.1)

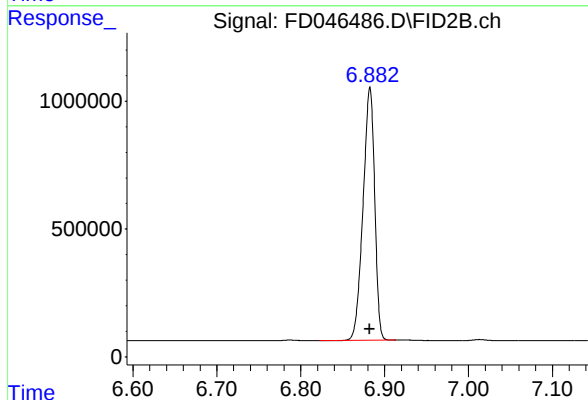
R.T.: 4.306 min
Delta R.T.: 0.000 min
Response: 9017481
Conc: 50.22 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2



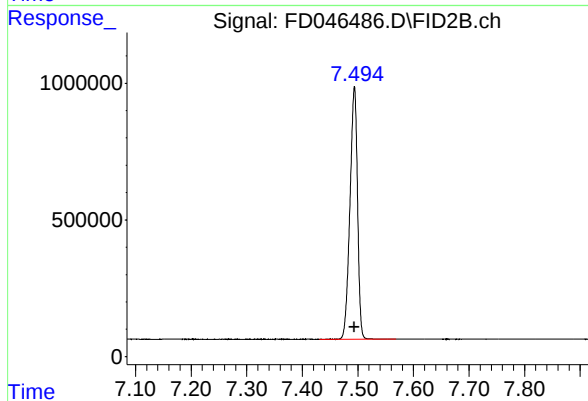
#2 Naphthalene (C11.7)

R.T.: 5.833 min
Delta R.T.: 0.000 min
Response: 9498965
Conc: 50.35 ug/ml



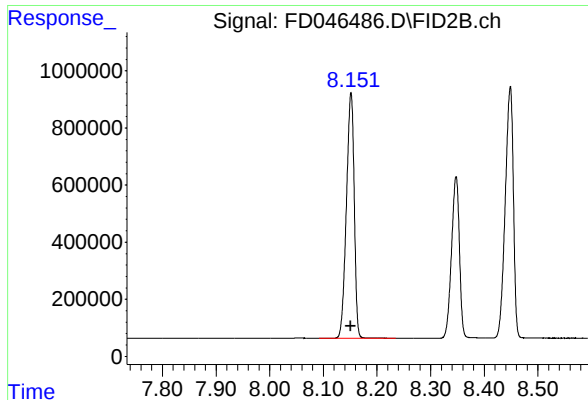
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.882 min
Delta R.T.: 0.000 min
Response: 9518897
Conc: 50.01 ug/ml



#4 2-Bromonaphthalene (SURR)

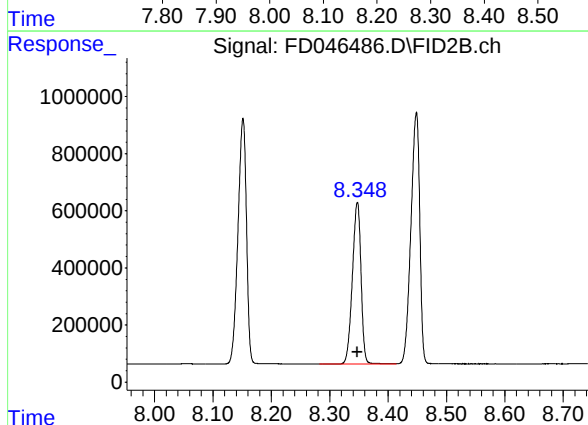
R.T.: 7.494 min
Delta R.T.: 0.000 min
Response: 8709936
Conc: 50.39 ug/ml



#5 Acenaphthylene (C15.06)

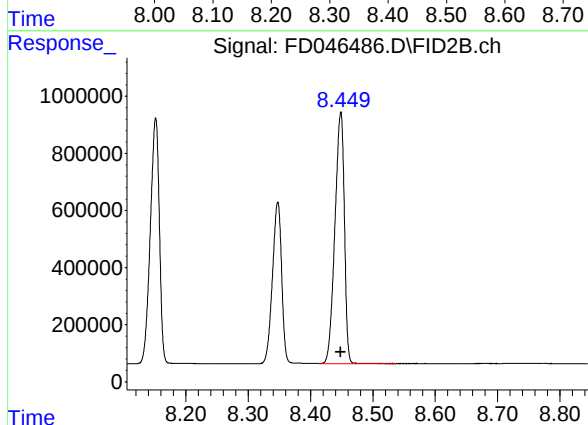
R.T.: 8.151 min
Delta R.T.: 0.000 min
Response: 8690705
Conc: 50.33 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2



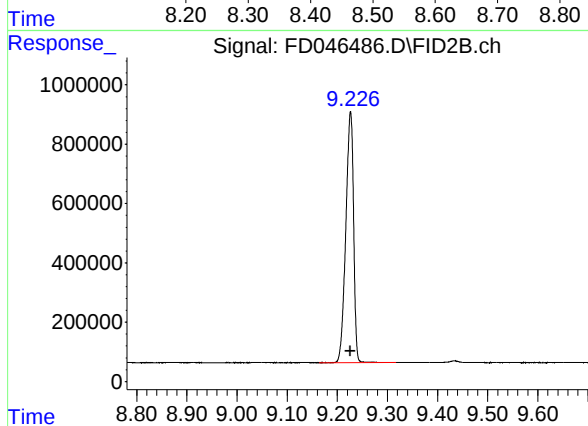
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.347 min
Delta R.T.: 0.000 min
Response: 5811984
Conc: 50.43 ug/ml



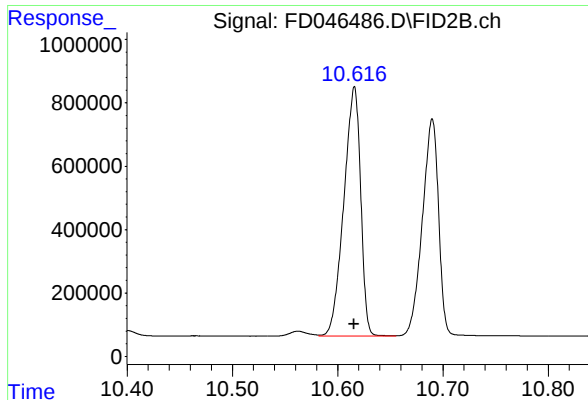
#7 Acenaphthene (C15.5)

R.T.: 8.448 min
Delta R.T.: 0.000 min
Response: 9275829
Conc: 50.33 ug/ml



#8 Flouorene (C16.55)

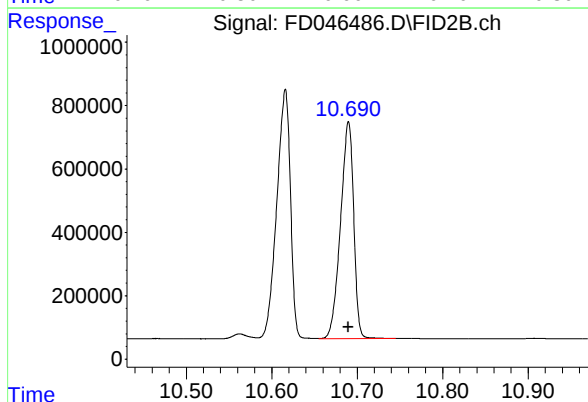
R.T.: 9.226 min
Delta R.T.: 0.000 min
Response: 9060890
Conc: 50.41 ug/ml



#9 Phenanthrene (C19.36)

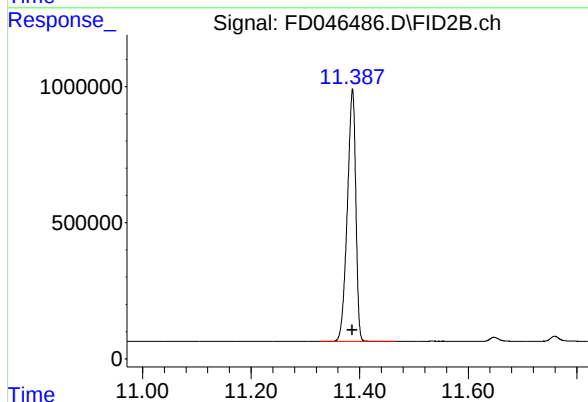
R.T.: 10.615 min
Delta R.T.: 0.000 min
Response: 8753270
Conc: 50.38 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2



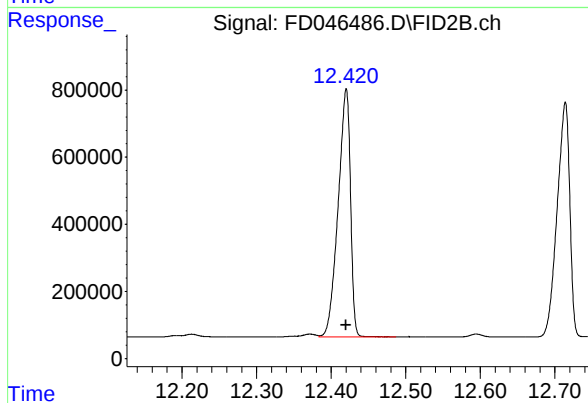
#10 Anthracene (C19.43)

R.T.: 10.690 min
Delta R.T.: 0.000 min
Response: 7334405
Conc: 49.93 ug/ml



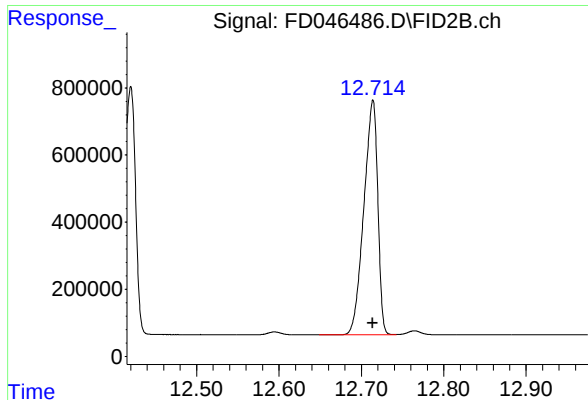
#11 ortho-Terphenyl (SURR)

R.T.: 11.386 min
Delta R.T.: 0.000 min
Response: 10027678
Conc: 50.35 ug/ml



#12 Fluoranthene (C21.85)

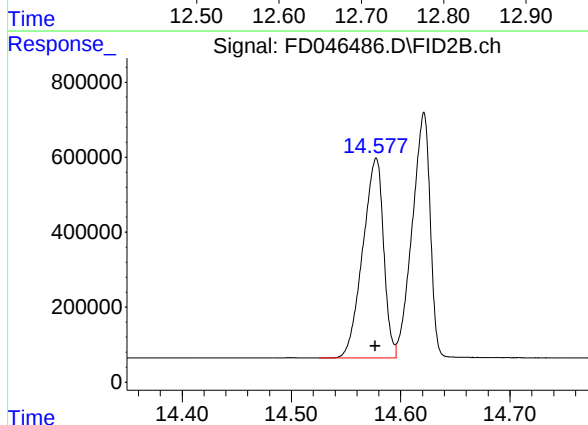
R.T.: 12.420 min
Delta R.T.: 0.000 min
Response: 8505498
Conc: 50.31 ug/ml



#13 Pyrene (C20.8)

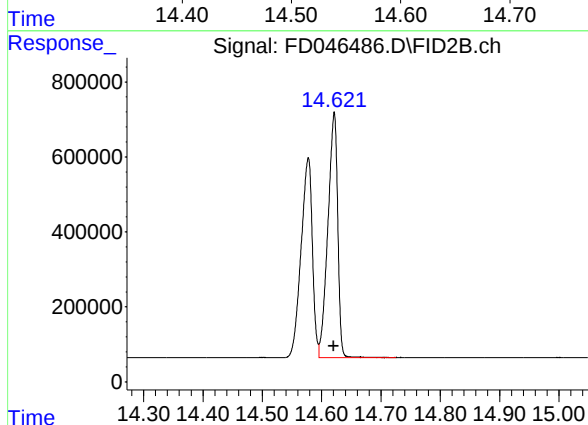
R.T.: 12.714 min
Delta R.T.: 0.000 min
Response: 8225940
Conc: 50.33 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2



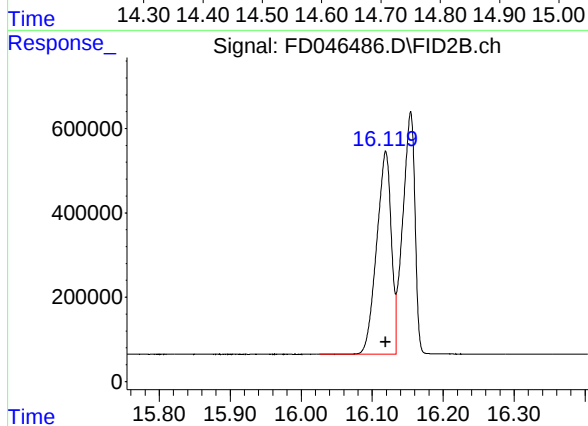
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.577 min
Delta R.T.: 0.000 min
Response: 7057041
Conc: 50.46 ug/ml



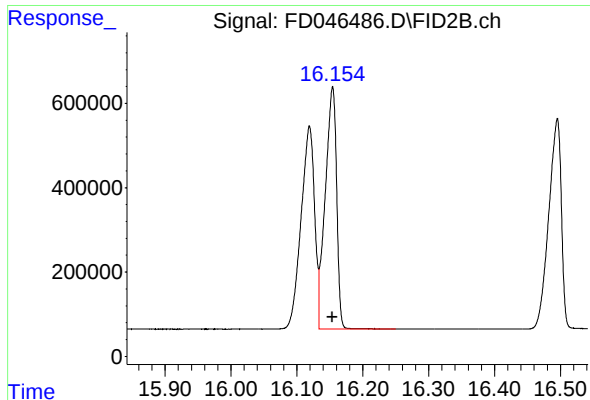
#15 Chrysene (C27.41)

R.T.: 14.621 min
Delta R.T.: 0.000 min
Response: 7514545
Conc: 50.27 ug/ml



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

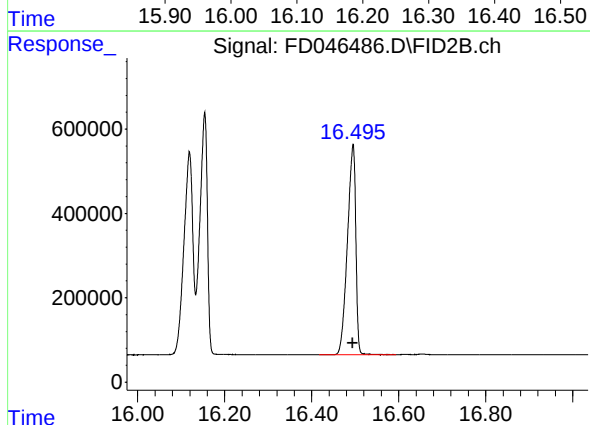
R.T.: 16.119 min
Delta R.T.: 0.000 min
Response: 6863096
Conc: 50.23 ug/ml



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

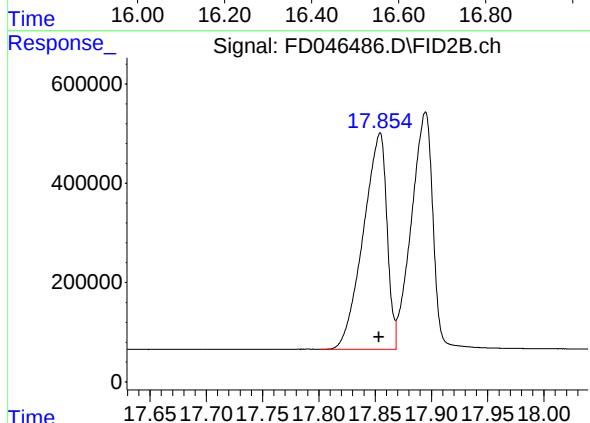
R.T.: 16.154 min
Delta R.T.: 0.000 min
Response: 6891340
Conc: 50.59 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2



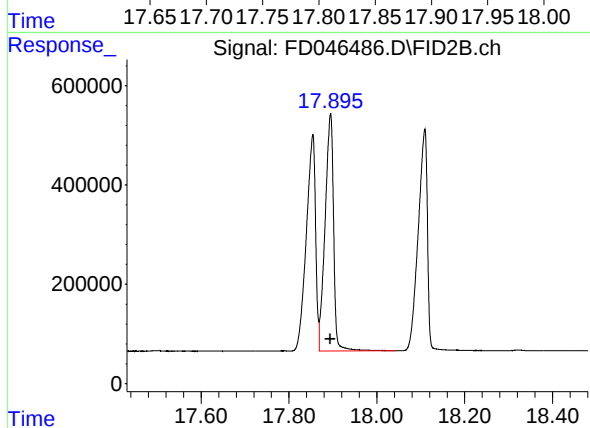
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.495 min
Delta R.T.: 0.000 min
Response: 6642669
Conc: 50.27 ug/ml



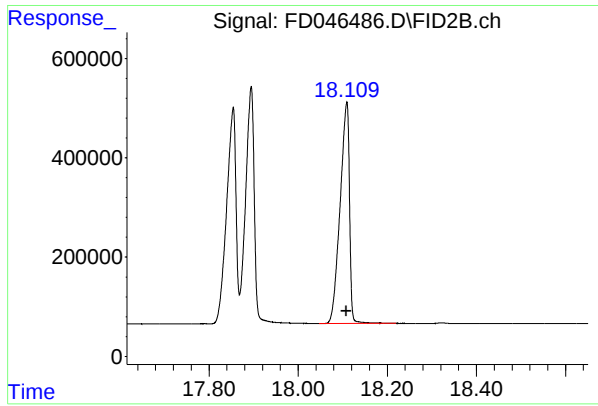
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.853 min
Delta R.T.: 0.000 min
Response: 6356096
Conc: 50.09 ug/ml



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

R.T.: 17.894 min
Delta R.T.: 0.000 min
Response: 6438514
Conc: 50.57 ug/ml



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

R.T.: 18.108 min
Delta R.T.: 0.000 min
Response: 6504183
Conc: 50.20 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD091523AR\
Data File : FD046486.D
Signal(s) : FID2B.ch
Acq On : 14 Sep 2023 17:48
Sample : 50 PPM AROMATIC HC STD2
Misc :
ALS Vial : 57 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 091523.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	4.306	4.250	4.355	BV	1070186	9017481	89.93%	5.409%
2	5.833	5.764	5.937	BB	1030702	9498965	94.73%	5.698%
3	6.882	6.822	6.914	BV	988933	9518897	94.93%	5.710%
4	7.494	7.430	7.569	BB	925151	8709936	86.86%	5.225%
5	8.151	8.092	8.235	BB	864166	8690705	86.67%	5.213%
6	8.347	8.282	8.414	BV	566409	5811984	57.96%	3.487%
7	8.448	8.414	8.537	VB	883441	9275829	92.50%	5.564%
8	9.226	9.164	9.317	BB	850238	9060890	90.36%	5.435%
9	10.615	10.582	10.655	VV	785494	8753270	87.29%	5.251%
10	10.690	10.655	10.745	VV	688475	7334405	73.14%	4.400%
11	11.386	11.325	11.467	BB	930629	10027678	100.00%	6.015%
12	12.420	12.384	12.487	VB	742757	8505498	84.82%	5.102%
13	12.714	12.649	12.742	BV	699706	8225940	82.03%	4.935%
14	14.577	14.525	14.596	BV	532317	7057041	70.38%	4.233%
15	14.621	14.596	14.725	VB	650810	7514545	74.94%	4.508%
16	16.119	16.025	16.134	BV	481839	6863096	68.44%	4.117%
17	16.154	16.134	16.250	VB	573923	6891340	68.72%	4.134%
18	16.495	16.417	16.594	BB	501709	6642669	66.24%	3.985%
19	17.853	17.800	17.869	BV	434390	6356096	63.39%	3.813%
20	17.894	17.869	18.044	VB	476616	6438514	64.21%	3.862%
21	18.108	18.047	18.219	BBA	444307	6504183	64.86%	3.902%
Sum of corrected areas:						166698962		

Aromatic EPH 091523.M Fri Sep 15 01:55:12 2023

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD091523AR\
 Data File : FD046487.D
 Signal(s) : FID2B.ch
 Acq On : 14 Sep 2023 18:34
 Operator : YP/AJ
 Sample : 20 PPM AROMATIC HC STD3
 Misc :
 ALS Vial : 58 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 20 PPM AROMATIC HC STD3

Integration File: autoint1.e
 Quant Time: Sep 14 19:43:16 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 091523.M
 Quant Title : GC Extractables
 QLast Update : Thu Sep 14 19:41:25 2023
 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...	7.490	3506444	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
6) S 2-Fluorobiphenyl (SURR)	8.344	2323001	20.000 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	40.00%
11) S ortho-Terphenyl (SURR)	11.381	4057819	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.305	3675483	20.000 ug/ml
2) T Naphthalene (C11.7)	5.831	3849075	20.000 ug/ml
3) T 2-Methylnaphthalene (...)	6.879	3901213	20.000 ug/ml
5) T Acenaphthylene (C15.06)	8.148	3510333	20.000 ug/ml
7) T Acenaphthene (C15.5)	8.443	3753799	20.000 ug/ml
8) T Fluorene (C16.55)	9.221	3632257	20.000 ug/ml
9) T Phenanthrene (C19.36)	10.610	3504494	20.000 ug/ml
10) T Anthracene (C19.43)	10.684	3092512	20.000 ug/ml
12) T Fluoranthene (C21.85)	12.412	3416828	20.000 ug/ml
13) T Pyrene (C20.8)	12.706	3297995	20.000 ug/ml
14) T Benzo[a]anthracene (C...	14.569	2793141	20.000 ug/ml
15) T Chrysene (C27.41)	14.612	3012678	20.000 ug/ml
16) T benzo[b]fluoranthene ...	16.112	2745729	20.000 ug/ml
17) T Bnezo[k]fluoranthene ...	16.142	2739611	20.000 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.485	2668183	20.000 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.842	2508242	20.000 ug/ml
20) T Dibenz[a,h]anthracene...	17.884	2662220	20.000 ug/ml
21) T Benzo[g,h,i]perylene ...	18.094	2641833	20.000 ug/ml

(f)=RT Delta > 1/2 Window

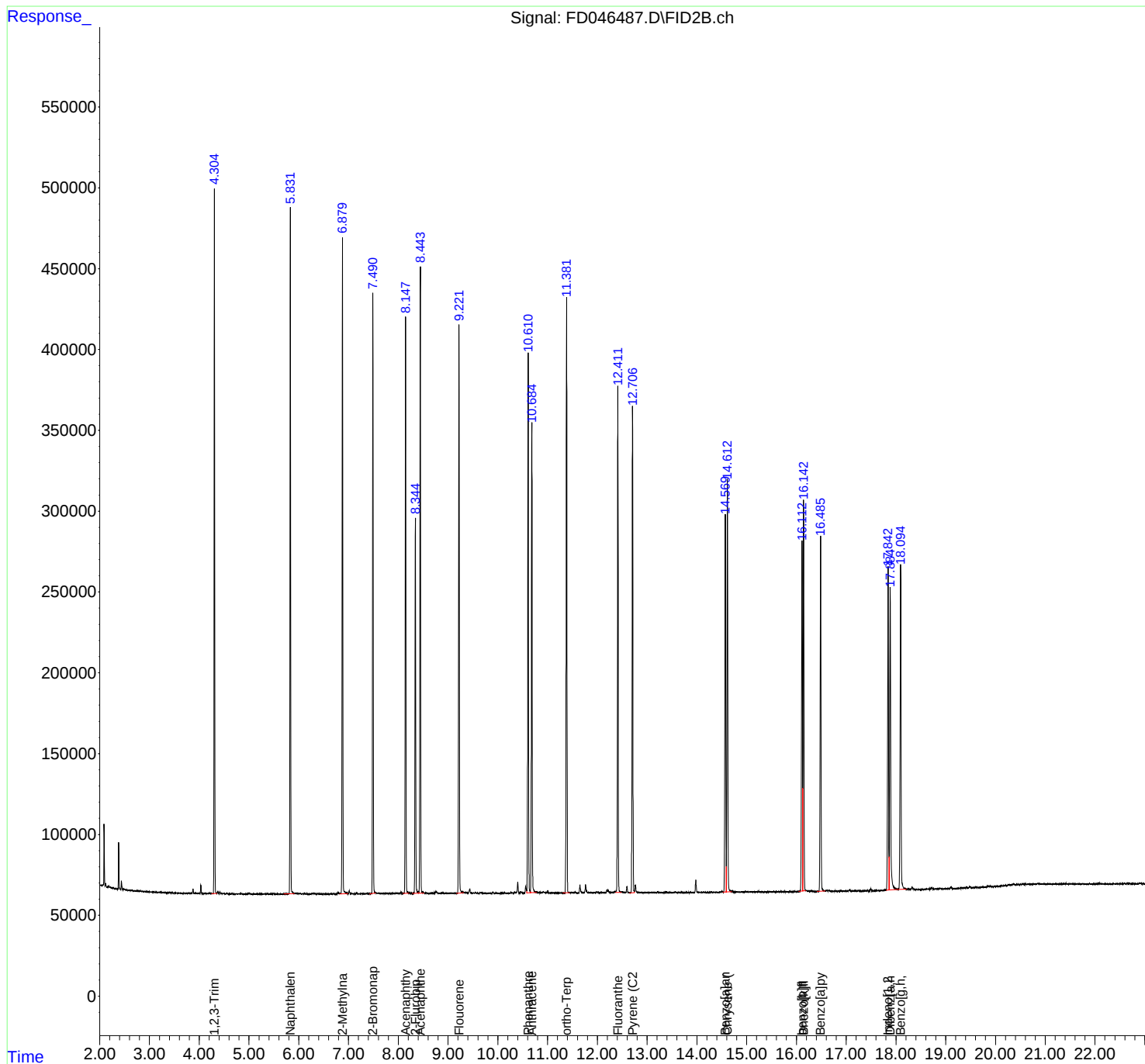
(m)=manual int.

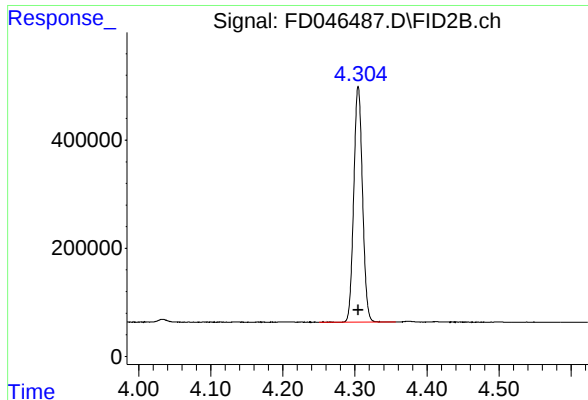
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD091523AR\
Data File : FD046487.D
Signal(s) : FID2B.ch
Acq On : 14 Sep 2023 18:34
Operator : YP/AJ
Sample : 20 PPM AROMATIC HC STD3
Misc :
ALS Vial : 58 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3

Integration File: autoint1.e
Quant Time: Sep 14 19:43:16 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 091523.M
Quant Title : GC Extractables
QLast Update : Thu Sep 14 19:41:25 2023
Response via : Initial Calibration
Integrator: ChemStation

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

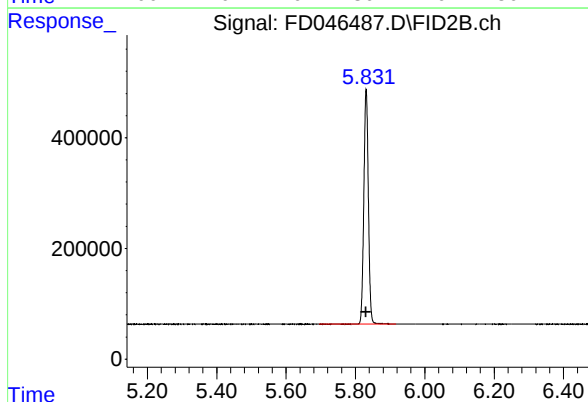




#1 1,2,3-Trimethylbenzene (C10.1)

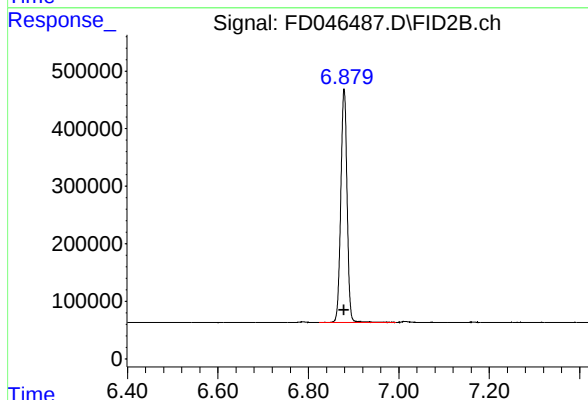
R.T.: 4.305 min
Delta R.T.: 0.000 min
Response: 3675483
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3



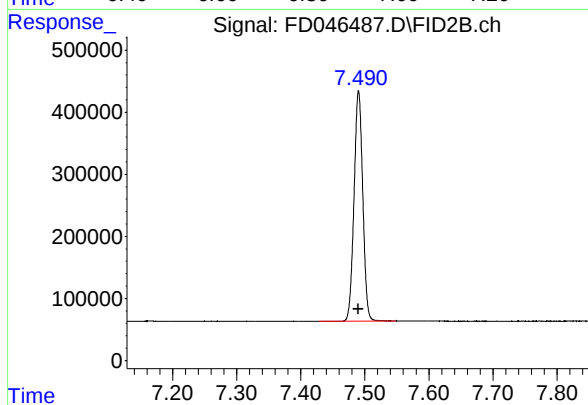
#2 Naphthalene (C11.7)

R.T.: 5.831 min
Delta R.T.: 0.000 min
Response: 3849075
Conc: 20.00 ug/ml



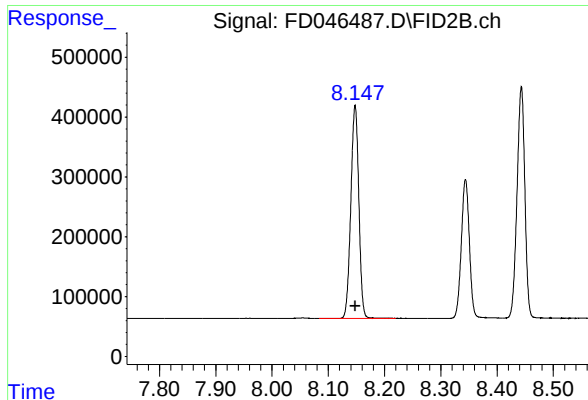
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.879 min
Delta R.T.: 0.000 min
Response: 3901213
Conc: 20.00 ug/ml



#4 2-Bromonaphthalene (SURR)

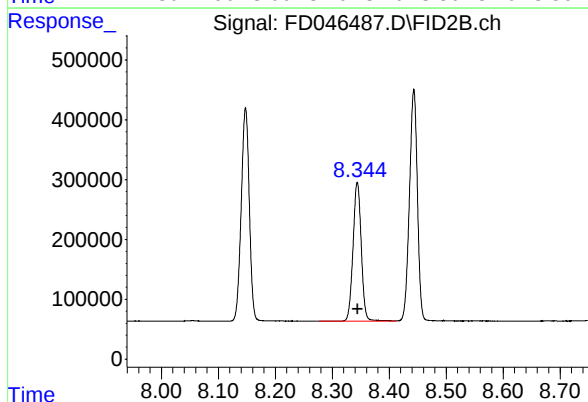
R.T.: 7.490 min
Delta R.T.: 0.000 min
Response: 3506444
Conc: 20.00 ug/ml



#5 Acenaphthylene (C15.06)

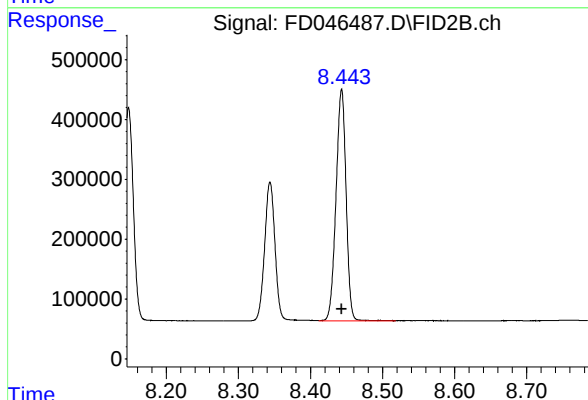
R.T.: 8.148 min
Delta R.T.: 0.000 min
Response: 3510333
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3



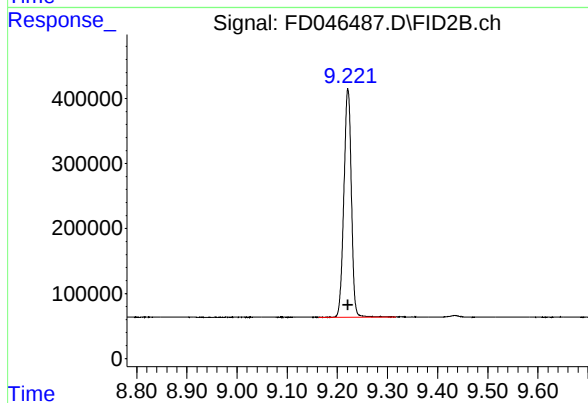
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.344 min
Delta R.T.: 0.000 min
Response: 2323001
Conc: 20.00 ug/ml



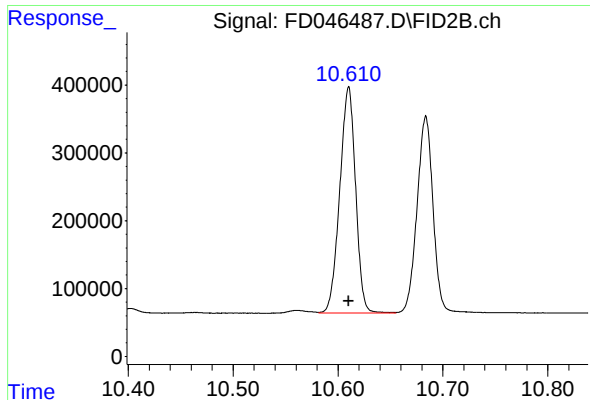
#7 Acenaphthene (C15.5)

R.T.: 8.443 min
Delta R.T.: 0.000 min
Response: 3753799
Conc: 20.00 ug/ml



#8 Fluorene (C16.55)

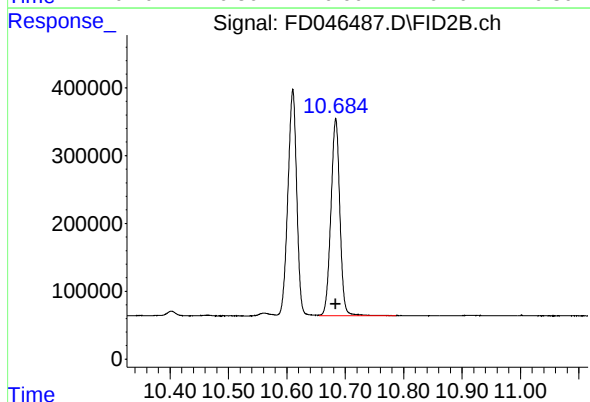
R.T.: 9.221 min
Delta R.T.: 0.000 min
Response: 3632257
Conc: 20.00 ug/ml



#9 Phenanthrene (C19.36)

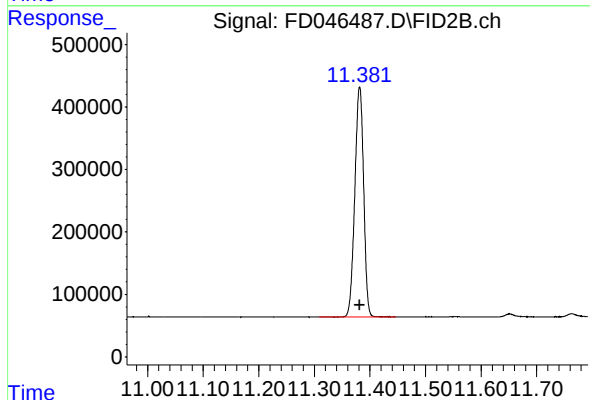
R.T.: 10.610 min
Delta R.T.: 0.000 min
Response: 3504494
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3



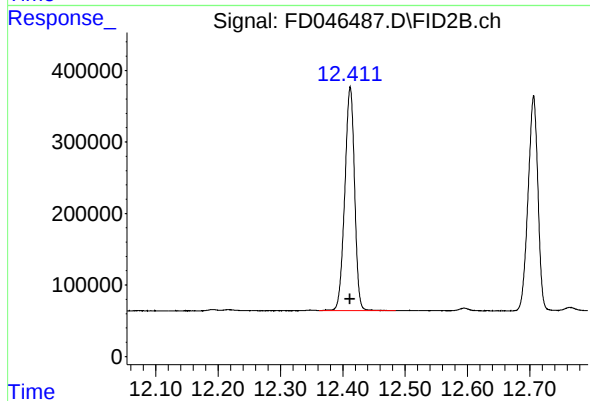
#10 Anthracene (C19.43)

R.T.: 10.684 min
Delta R.T.: 0.000 min
Response: 3092512
Conc: 20.00 ug/ml



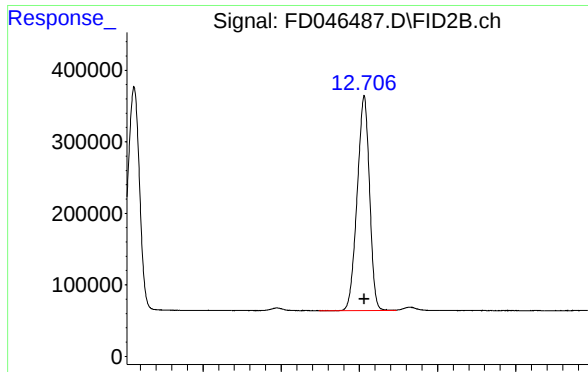
#11 ortho-Terphenyl (SURR)

R.T.: 11.381 min
Delta R.T.: 0.000 min
Response: 4057819
Conc: 20.00 ug/ml



#12 Fluoranthene (C21.85)

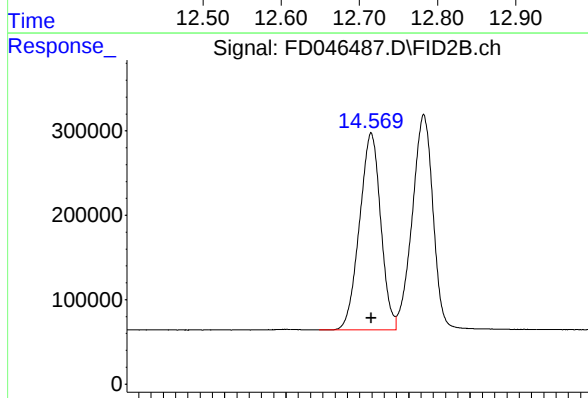
R.T.: 12.412 min
Delta R.T.: 0.000 min
Response: 3416828
Conc: 20.00 ug/ml



#13 Pyrene (C20.8)

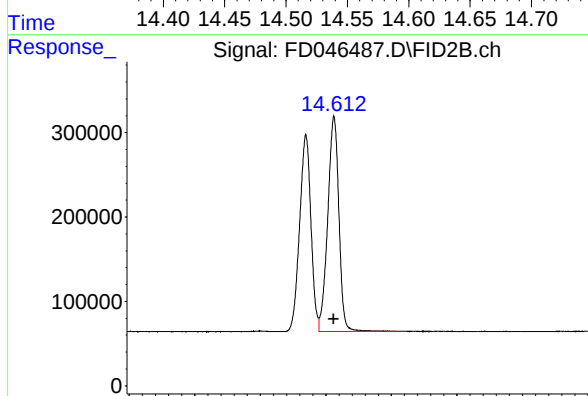
R.T.: 12.706 min
Delta R.T.: 0.000 min
Response: 3297995
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3



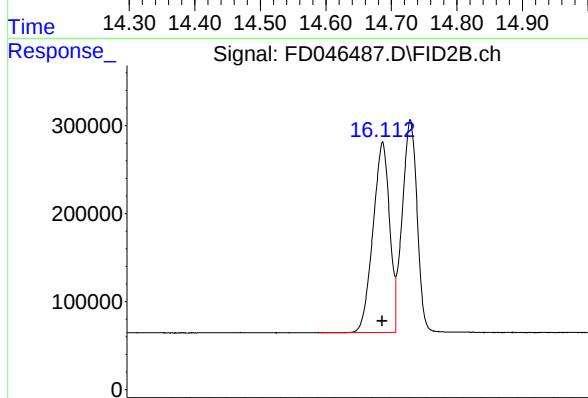
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.569 min
Delta R.T.: 0.000 min
Response: 2793141
Conc: 20.00 ug/ml



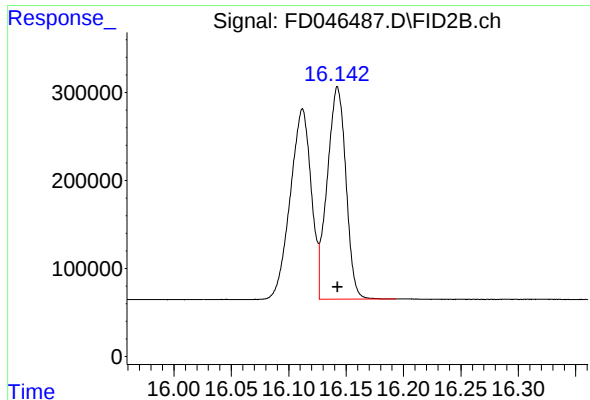
#15 Chrysene (C27.41)

R.T.: 14.612 min
Delta R.T.: 0.000 min
Response: 3012678
Conc: 20.00 ug/ml



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

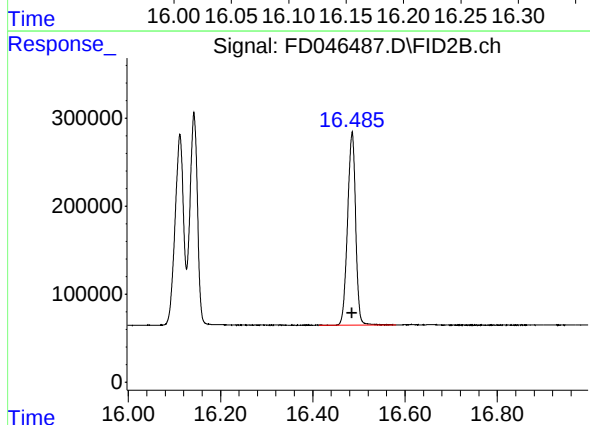
R.T.: 16.112 min
Delta R.T.: 0.000 min
Response: 2745729
Conc: 20.00 ug/ml



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

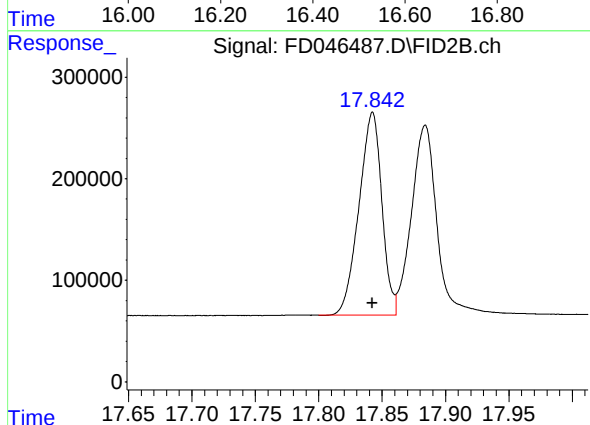
R.T.: 16.142 min
Delta R.T.: 0.000 min
Response: 2739611
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3



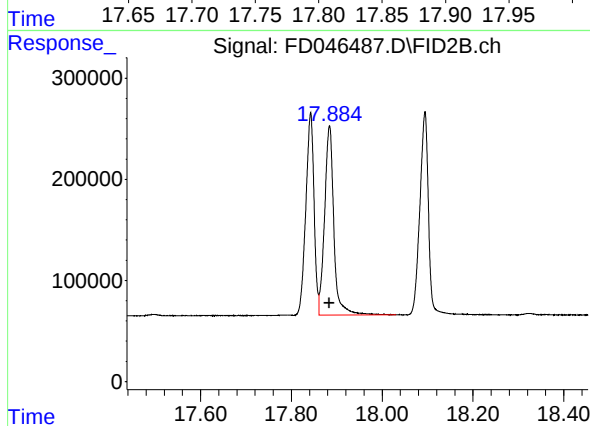
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.485 min
Delta R.T.: 0.000 min
Response: 2668183
Conc: 20.00 ug/ml



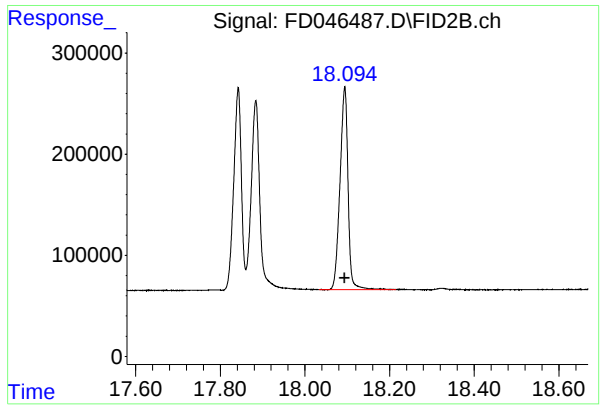
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.842 min
Delta R.T.: 0.000 min
Response: 2508242
Conc: 20.00 ug/ml



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

R.T.: 17.884 min
Delta R.T.: 0.000 min
Response: 2662220
Conc: 20.00 ug/ml



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

R.T.: 18.094 min
Delta R.T.: 0.000 min
Response: 2641833
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\FD091523AR\
Data File : FD046487.D
Signal(s) : FID2B.ch
Acq On : 14 Sep 2023 18:34
Sample : 20 PPM AROMATIC HC STD3
Misc :
ALS Vial : 58 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 091523.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	4.305	4.250	4.357	BV	435496	3675483	90.58%	5.462%
2	5.831	5.695	5.917	BB	424224	3849075	94.86%	5.720%
3	6.879	6.824	6.994	BB	406464	3901213	96.14%	5.797%
4	7.490	7.429	7.549	BB	371098	3506444	86.41%	5.211%
5	8.148	8.084	8.220	BB	356658	3510333	86.51%	5.216%
6	8.344	8.277	8.412	BV	231787	2323001	57.25%	3.452%
7	8.443	8.412	8.519	VB	388294	3753799	92.51%	5.578%
8	9.221	9.164	9.317	BB	350446	3632257	89.51%	5.398%
9	10.610	10.582	10.655	VV	333938	3504494	86.36%	5.208%
10	10.684	10.655	10.787	VB	290148	3092512	76.21%	4.596%
11	11.381	11.309	11.447	BB	369084	4057819	100.00%	6.030%
12	12.412	12.362	12.485	VB	313215	3416828	84.20%	5.078%
13	12.706	12.649	12.747	BV	302231	3297995	81.28%	4.901%
14	14.569	14.527	14.590	BV	233292	2793141	68.83%	4.151%
15	14.612	14.590	14.707	VB	254778	3012678	74.24%	4.477%
16	16.112	16.042	16.127	BV	216838	2745729	67.67%	4.080%
17	16.143	16.127	16.194	VB	241583	2739611	67.51%	4.071%
18	16.485	16.413	16.580	BB	218989	2668183	65.75%	3.965%
19	17.842	17.800	17.861	BV	199708	2508242	61.81%	3.727%
20	17.884	17.861	18.030	VB	187131	2662220	65.61%	3.956%
21	18.094	18.034	18.215	BB	199857	2641833	65.10%	3.926%
Sum of corrected areas:						67292889		

Aromatic EPH 091523.M Fri Sep 15 01:55:54 2023

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD091523AR\
 Data File : FD046488.D
 Signal(s) : FID2B.ch
 Acq On : 14 Sep 2023 19:21
 Operator : YP/AJ
 Sample : 10 PPM AROMATIC HC STD4
 Misc :
 ALS Vial : 59 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 10 PPM AROMATIC HC STD4

Integration File: autoint1.e
 Quant Time: Sep 15 01:42:14 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 091523.M
 Quant Title : GC Extractables
 QLast Update : Fri Sep 15 01:42:03 2023
 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...	7.490	1763239	10.150 ug/ml
Spiked Amount 50.000		Recovery =	20.30%
6) S 2-Fluorobiphenyl (SURR)	8.343	1143921	9.945 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	19.89%
11) S ortho-Terphenyl (SURR)	11.380	2036701	10.169 ug/ml
Spiked Amount 50.000		Recovery =	20.34%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.304	1857123	10.255 ug/ml
2) T Naphthalene (C11.7)	5.830	1932945	10.183 ug/ml
3) T 2-Methylnaphthalene (...)	6.878	1941897	10.150 ug/ml
5) T Acenaphthylene (C15.06)	8.147	1765815	10.168 ug/ml
7) T Acenaphthene (C15.5)	8.442	1875230	10.130 ug/ml
8) T Fluorene (C16.55)	9.220	1790722	9.972 ug/ml
9) T Phenanthrene (C19.36)	10.608	1746836	10.041 ug/ml
10) T Anthracene (C19.43)	10.682	1587120	10.591 ug/ml
12) T Fluoranthene (C21.85)	12.410	1687546	9.987 ug/ml
13) T Pyrene (C20.8)	12.704	1618685	9.928 ug/ml
14) T Benzo[a]anthracene (C...	14.566	1369934	9.846 ug/ml
15) T Chrysene (C27.41)	14.608	1511141	10.082 ug/ml
16) T benzo[b]fluoranthene ...	16.107	1358407	9.957 ug/ml
17) T Bnezo[k]fluoranthene ...	16.138	1374527	10.067 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.483	1326355	10.028 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.838	1216738	9.688 ug/ml
20) T Dibenz[a,h]anthracene...	17.880	1354787	10.473 ug/ml
21) T Benzo[g,h,i]perylene ...	18.088	1325421	10.171 ug/ml

(f)=RT Delta > 1/2 Window

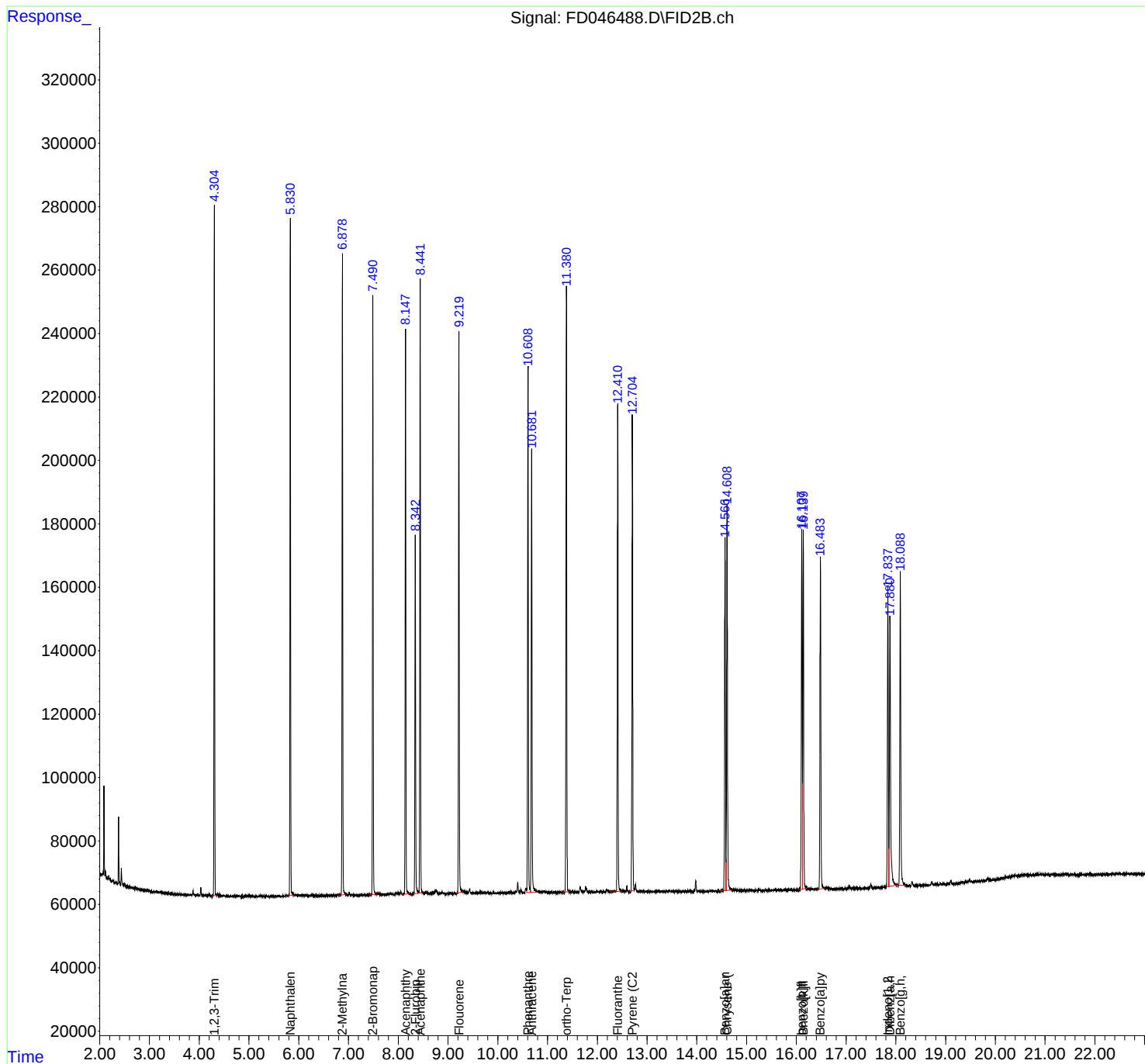
(m)=manual int.

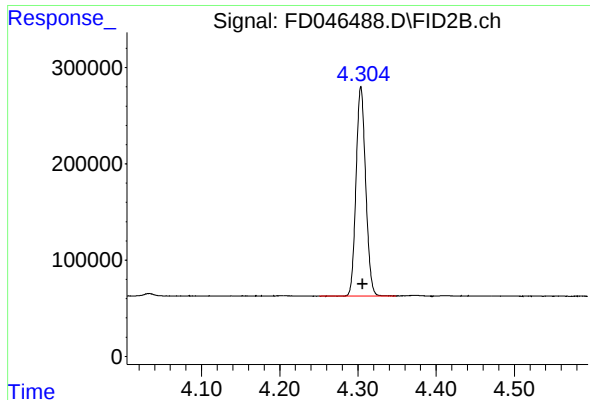
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD091523AR\
Data File : FD046488.D
Signal(s) : FID2B.ch
Acq On : 14 Sep 2023 19:21
Operator : YP/AJ
Sample : 10 PPM AROMATIC HC STD4
Misc :
ALS Vial : 59 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4

Integration File: autoint1.e
Quant Time: Sep 15 01:42:14 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 091523.M
Quant Title : GC Extractables
QLast Update : Fri Sep 15 01:42:03 2023
Response via : Initial Calibration
Integrator: ChemStation

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

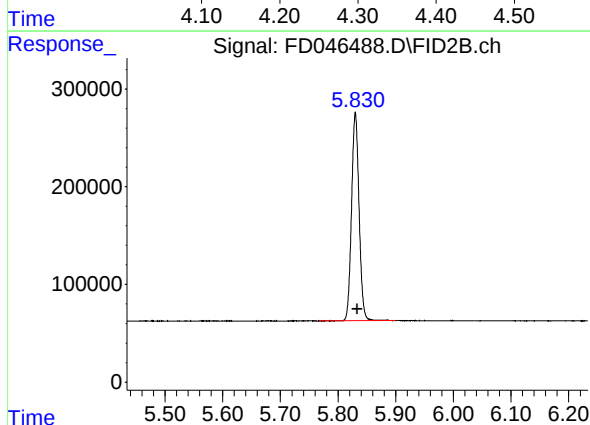




#1 1,2,3-Trimethylbenzene (C10.1)

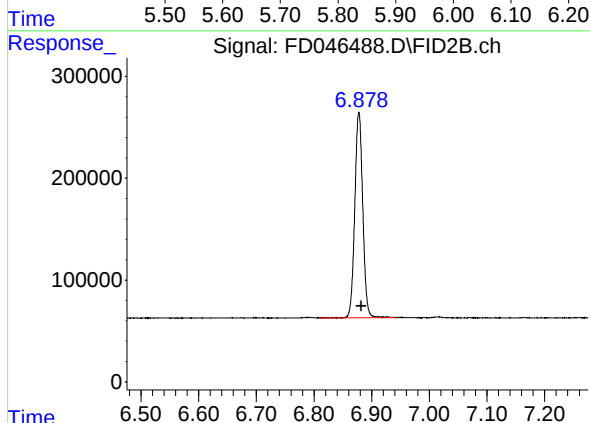
R.T.: 4.304 min
Delta R.T.: -0.002 min
Response: 1857123
Conc: 10.25 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4



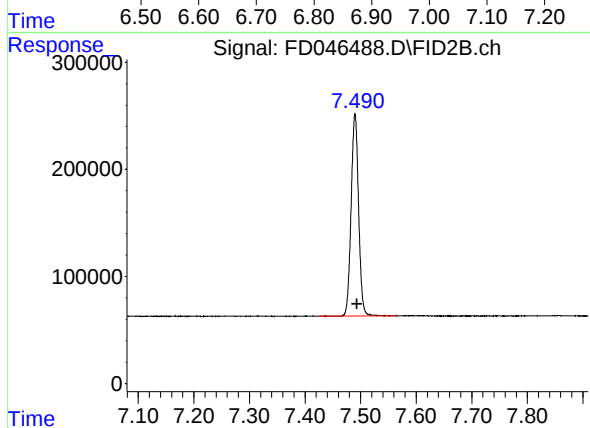
#2 Naphthalene (C11.7)

R.T.: 5.830 min
Delta R.T.: -0.003 min
Response: 1932945
Conc: 10.18 ug/ml



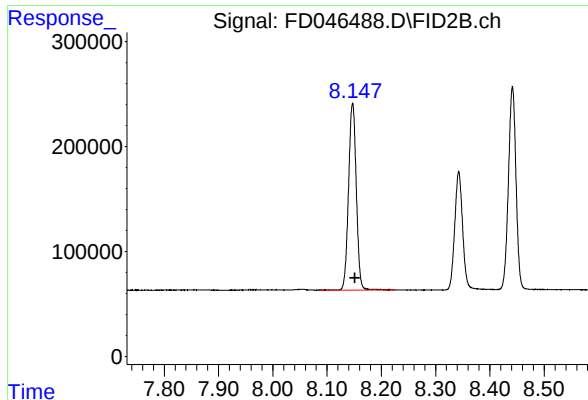
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.878 min
Delta R.T.: -0.004 min
Response: 1941897
Conc: 10.15 ug/ml



#4 2-Bromonaphthalene (SURR)

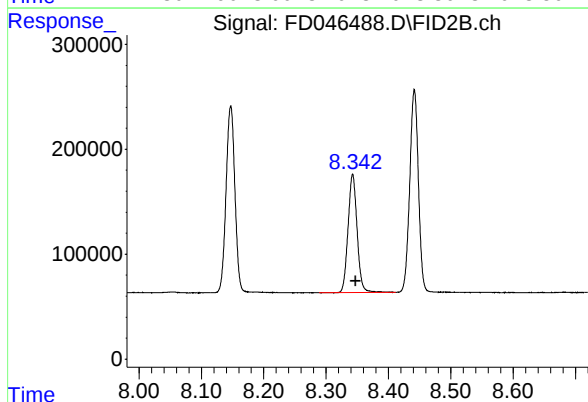
R.T.: 7.490 min
Delta R.T.: -0.004 min
Response: 1763239
Conc: 10.15 ug/ml



#5 Acenaphthylene (C15.06)

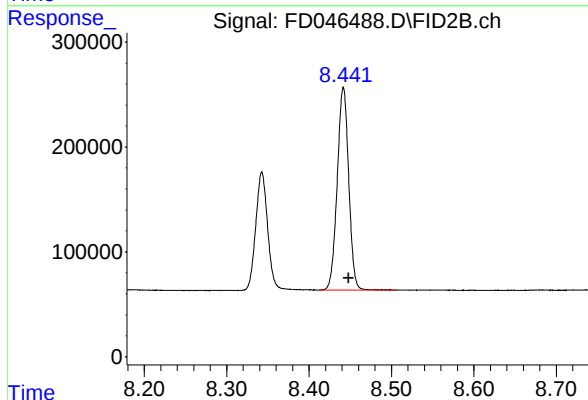
R.T.: 8.147 min
Delta R.T.: -0.004 min
Response: 1765815
Conc: 10.17 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4



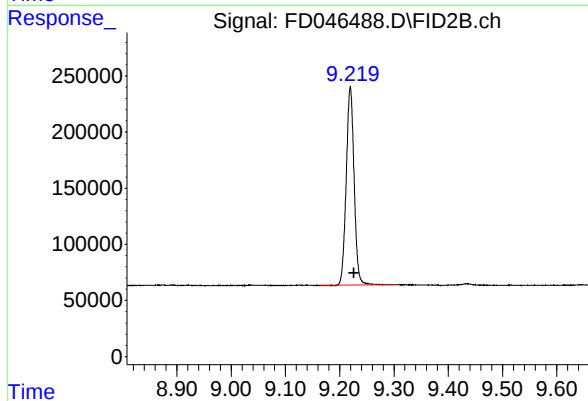
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.343 min
Delta R.T.: -0.004 min
Response: 1143921
Conc: 9.94 ug/ml



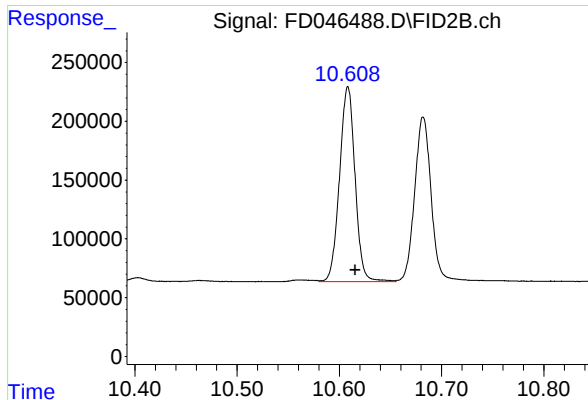
#7 Acenaphthene (C15.5)

R.T.: 8.442 min
Delta R.T.: -0.006 min
Response: 1875230
Conc: 10.13 ug/ml



#8 Flouorene (C16.55)

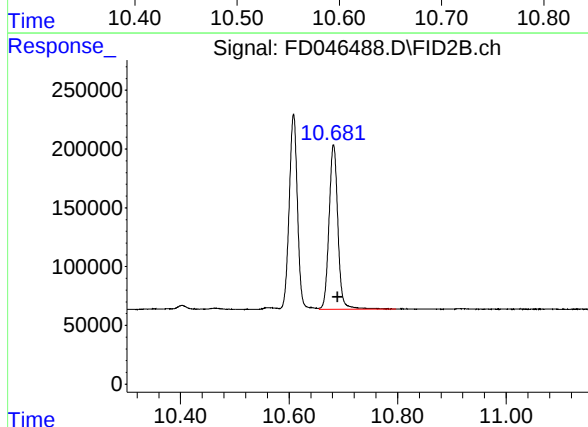
R.T.: 9.220 min
Delta R.T.: -0.007 min
Response: 1790722
Conc: 9.97 ug/ml



#9 Phenanthrene (C19.36)

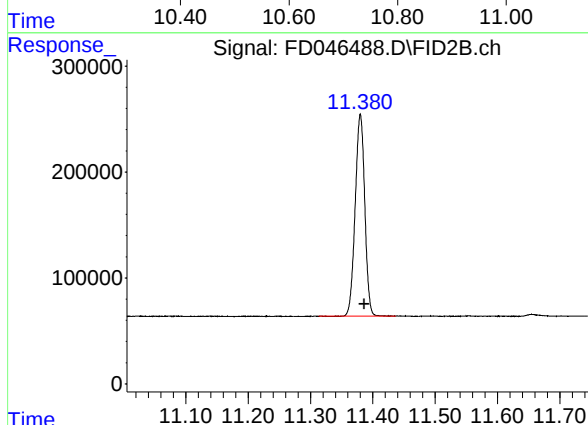
R.T.: 10.608 min
Delta R.T.: -0.007 min
Response: 1746836
Conc: 10.04 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4



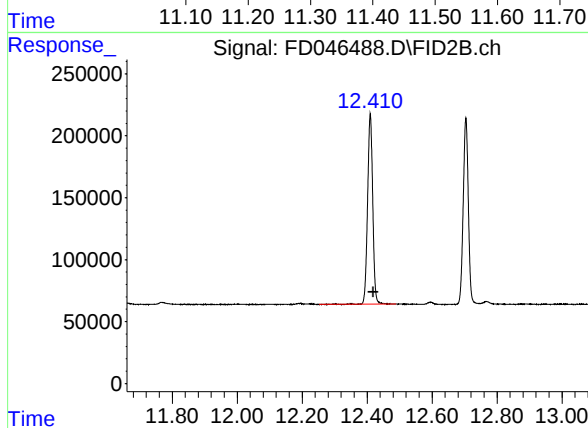
#10 Anthracene (C19.43)

R.T.: 10.682 min
Delta R.T.: -0.008 min
Response: 1587120
Conc: 10.59 ug/ml



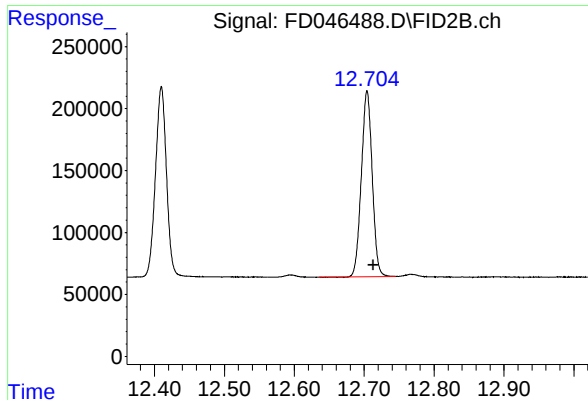
#11 ortho-Terphenyl (SURR)

R.T.: 11.380 min
Delta R.T.: -0.006 min
Response: 2036701
Conc: 10.17 ug/ml



#12 Fluoranthene (C21.85)

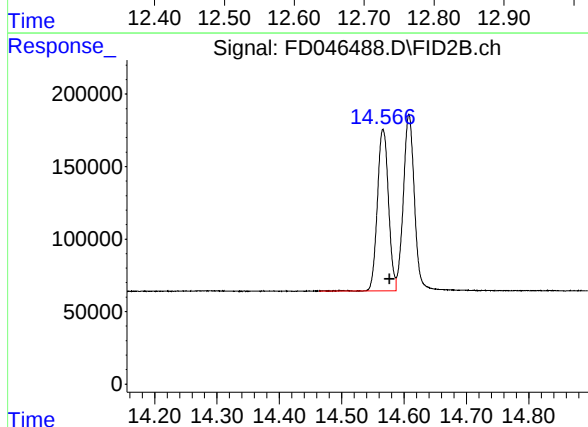
R.T.: 12.410 min
Delta R.T.: -0.010 min
Response: 1687546
Conc: 9.99 ug/ml



#13 Pyrene (C20.8)

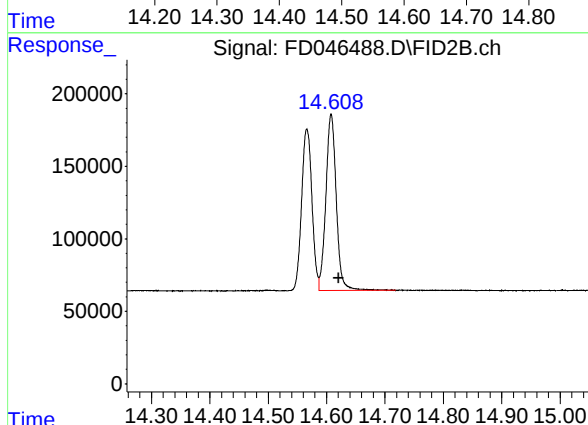
R.T.: 12.704 min
Delta R.T.: -0.009 min
Response: 1618685
Conc: 9.93 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4



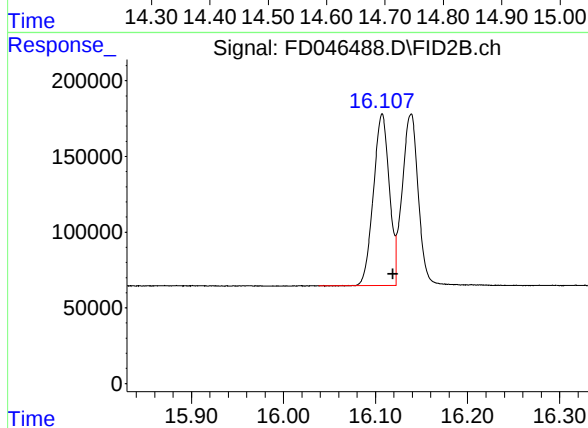
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.566 min
Delta R.T.: -0.011 min
Response: 1369934
Conc: 9.85 ug/ml



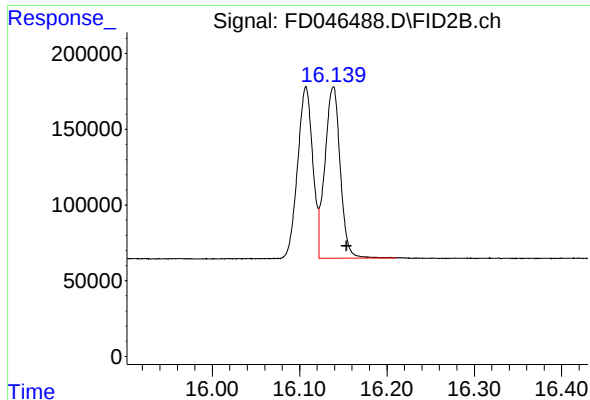
#15 Chrysene (C27.41)

R.T.: 14.608 min
Delta R.T.: -0.013 min
Response: 1511141
Conc: 10.08 ug/ml



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

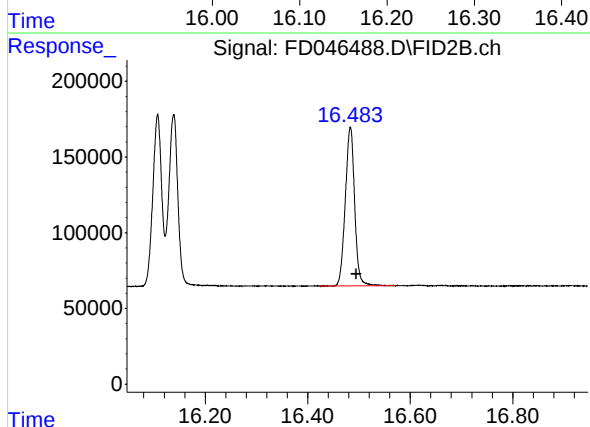
R.T.: 16.107 min
Delta R.T.: -0.012 min
Response: 1358407
Conc: 9.96 ug/ml



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

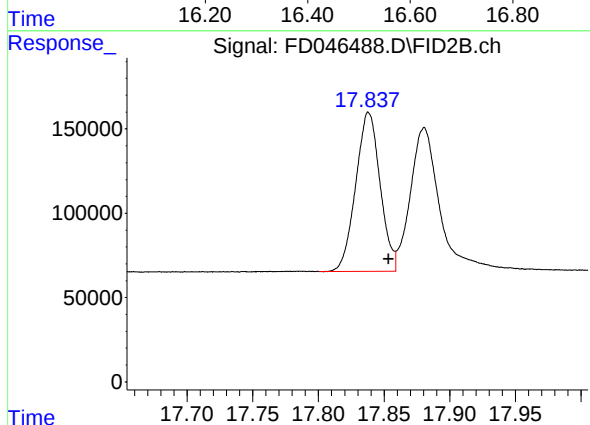
R.T.: 16.138 min
Delta R.T.: -0.015 min
Response: 1374527
Conc: 10.07 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4



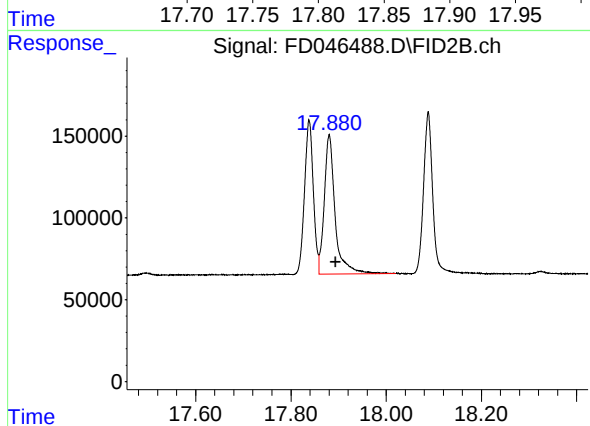
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.483 min
Delta R.T.: -0.011 min
Response: 1326355
Conc: 10.03 ug/ml



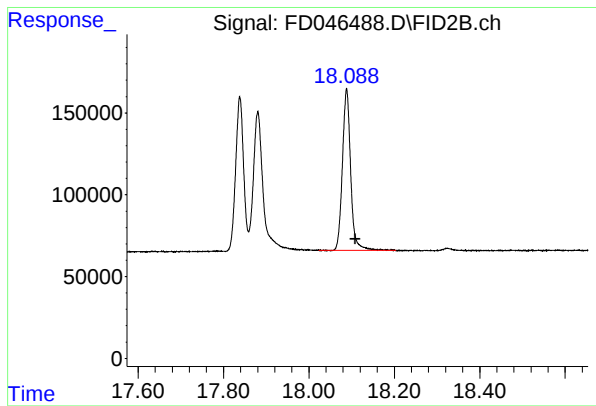
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.838 min
Delta R.T.: -0.015 min
Response: 1216738
Conc: 9.69 ug/ml



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

R.T.: 17.880 min
Delta R.T.: -0.014 min
Response: 1354787
Conc: 10.47 ug/ml



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

R.T.: 18.088 min

Delta R.T.: -0.020 min

Response: 1325421

Conc: 10.17 ug/ml

Instrument :

FID_D

ClientSampleId :

10 PPM AROMATIC HC STD4

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD091523AR\
 Data File : FD046488.D
 Signal(s) : FID2B.ch
 Acq On : 14 Sep 2023 19:21
 Sample : 10 PPM AROMATIC HC STD4
 Misc :
 ALS Vial : 59 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 091523.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	4.304	4.250	4.349	BV	217258	1857123	91.18%	5.530%
2	5.830	5.767	5.900	BB	213202	1932945	94.91%	5.755%
3	6.878	6.809	6.942	BB	202552	1941897	95.35%	5.782%
4	7.490	7.425	7.564	BB	189235	1763239	86.57%	5.250%
5	8.147	8.085	8.227	BB	177963	1765815	86.70%	5.258%
6	8.343	8.289	8.412	BV	112744	1143921	56.17%	3.406%
7	8.442	8.412	8.505	VB	193751	1875230	92.07%	5.584%
8	9.220	9.162	9.304	BB	177143	1790722	87.92%	5.332%
9	10.608	10.580	10.655	VV	166296	1746836	85.77%	5.201%
10	10.682	10.655	10.797	VB	139914	1587120	77.93%	4.726%
11	11.380	11.314	11.437	BB	191003	2036701	100.00%	6.064%
12	12.410	12.252	12.489	BB	153956	1687546	82.86%	5.025%
13	12.704	12.635	12.745	BV	150122	1618685	79.48%	4.820%
14	14.566	14.464	14.587	BV	111156	1369934	67.26%	4.079%
15	14.608	14.587	14.719	VB	121498	1511141	74.20%	4.499%
16	16.107	16.039	16.122	BV	113491	1358407	66.70%	4.045%
17	16.138	16.122	16.210	VB	113306	1374527	67.49%	4.093%
18	16.483	16.422	16.572	BB	105024	1326355	65.12%	3.949%
19	17.838	17.800	17.859	BV	94009	1216738	59.74%	3.623%
20	17.880	17.859	18.020	VB	85115	1354787	66.52%	4.034%
21	18.088	18.024	18.204	BB	99112	1325421	65.08%	3.946%
Sum of corrected areas:						33585090		

Aromatic EPH 091523.M Fri Sep 15 01:56:09 2023

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD091523AR\
 Data File : FD046489.D
 Signal(s) : FID2B.ch
 Acq On : 14 Sep 2023 20:06
 Operator : YP/AJ
 Sample : 5 PPM AROMATIC HC STD5
 Misc :
 ALS Vial : 60 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 5 PPM AROMATIC HC STD5

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/15/2023
 Supervised By :Ankita Jodhani 09/15/2023

Integration File: autoint1.e
 Quant Time: Sep 15 01:46:47 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 091523.M
 Quant Title : GC Extractables
 QLast Update : Fri Sep 15 01:46:39 2023
 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...	7.490	931458	5.286 ug/ml
Spiked Amount 50.000		Recovery =	10.57%
6) S 2-Fluorobiphenyl (SURR)	8.343	595922	5.144 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	10.29%
11) S ortho-Terphenyl (SURR)	11.379	1087437	5.338 ug/ml
Spiked Amount 50.000		Recovery =	10.68%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.305	995457	5.390 ug/ml
2) T Naphthalene (C11.7)	5.831	1034528	5.354 ug/ml
3) T 2-Methylnaphthalene (...)	6.878	1018375	5.255 ug/ml
5) T Acenaphthylene (C15.06)	8.147	935009	5.303 ug/ml
7) T Acenaphthene (C15.5)	8.441	995018	5.296 ug/ml
8) T Fluorene (C16.55)	9.220	918193	5.090 ug/ml
9) T Phenanthrene (C19.36)	10.608	916204	5.211 ug/ml
10) T Anthracene (C19.43)	10.682	842767	5.487 ug/ml
12) T Fluoranthene (C21.85)	12.410	881393	5.171 ug/ml
13) T Pyrene (C20.8)	12.703	840325	5.122 ug/ml
14) T Benzo[a]anthracene (C...	14.565	707986	5.068 ug/mlm
15) T Chrysene (C27.41)	14.608	797237	5.252 ug/ml
16) T benzo[b]fluoranthene ...	16.106	700591	5.108 ug/ml
17) T Bnezo[k]fluoranthene ...	16.138	732363	5.287 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.483	699163	5.226 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.838	621904	4.961 ug/ml
20) T Dibenz[a,h]anthracene...	17.882	739614	5.558 ug/ml
21) T Benzo[g,h,i]perylene ...	18.088	690555	5.237 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD091523AR\
Data File : FD046489.D
Signal(s) : FID2B.ch
Acq On : 14 Sep 2023 20:06
Operator : YP/AJ
Sample : 5 PPM AROMATIC HC STD5
Misc :
ALS Vial : 60 Sample Multiplier: 1

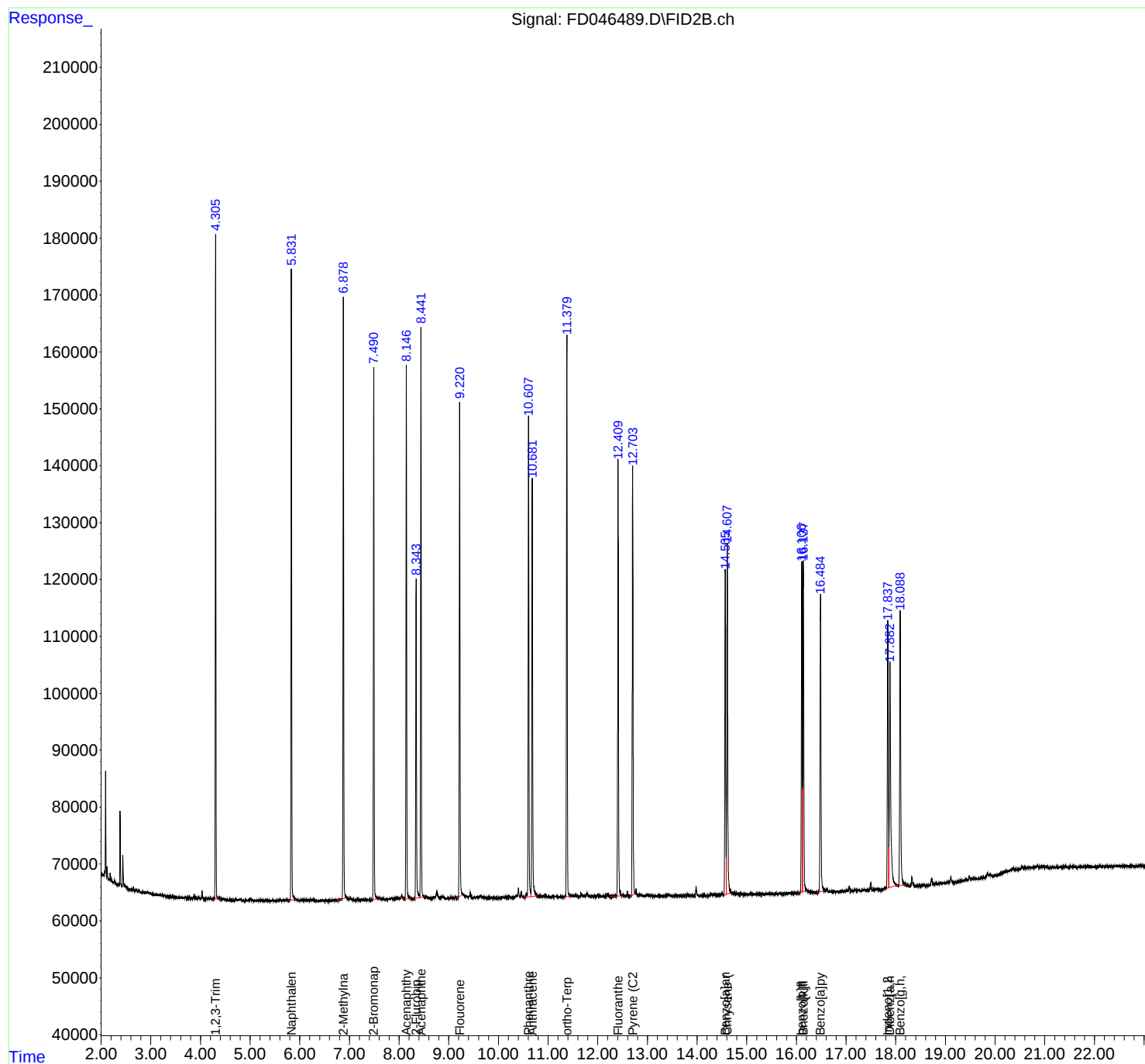
Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5

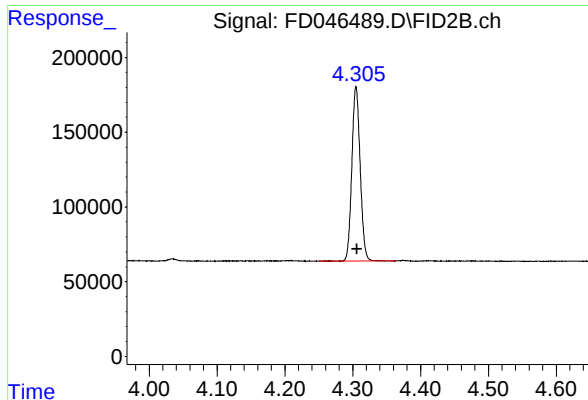
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/15/2023
Supervised By :Ankita Jodhani 09/15/2023

Integration File: autoint1.e
Quant Time: Sep 15 01:46:47 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 091523.M
Quant Title : GC Extractables
QLast Update : Fri Sep 15 01:46:39 2023
Response via : Initial Calibration
Integrator: ChemStation

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





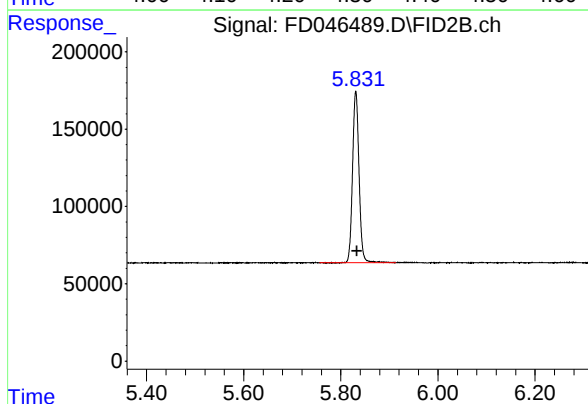
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.305 min
Delta R.T.: 0.000 min
Response: 995457
Conc: 5.39 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5

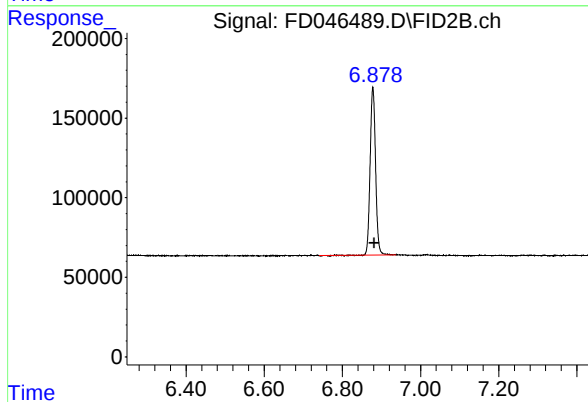
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/15/2023
Supervised By :Ankita Jodhani 09/15/2023



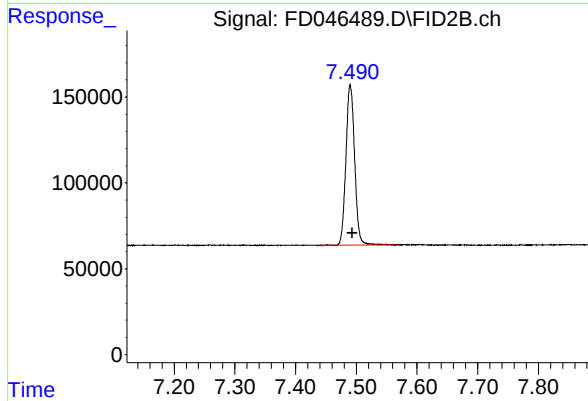
#2 Naphthalene (C11.7)

R.T.: 5.831 min
Delta R.T.: -0.002 min
Response: 1034528
Conc: 5.35 ug/ml



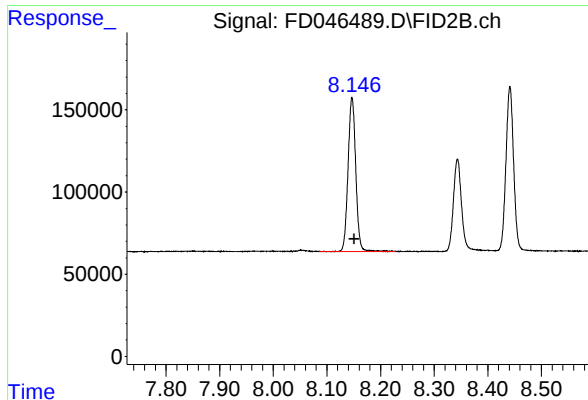
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.878 min
Delta R.T.: -0.004 min
Response: 1018375
Conc: 5.26 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.490 min
Delta R.T.: -0.003 min
Response: 931458
Conc: 5.29 ug/ml



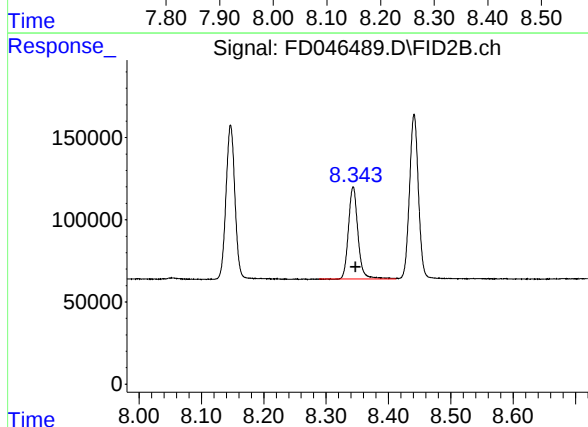
#5 Acenaphthylene (C15.06)

R.T.: 8.147 min
Delta R.T.: -0.004 min
Response: 935009
Conc: 5.30 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5

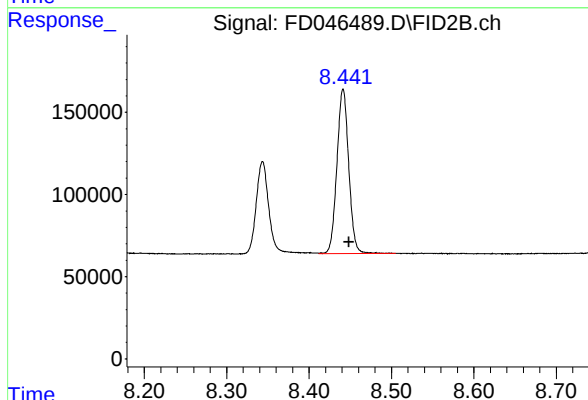
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/15/2023
Supervised By :Ankita Jodhani 09/15/2023



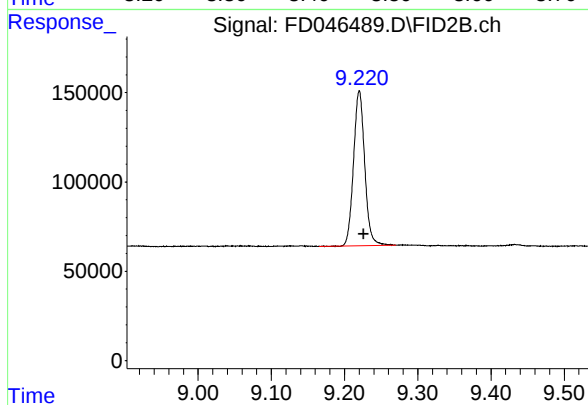
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.343 min
Delta R.T.: -0.004 min
Response: 595922
Conc: 5.14 ug/ml



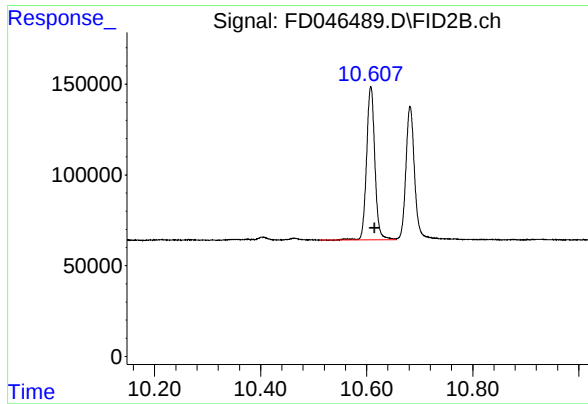
#7 Acenaphthene (C15.5)

R.T.: 8.441 min
Delta R.T.: -0.007 min
Response: 995018
Conc: 5.30 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.220 min
Delta R.T.: -0.006 min
Response: 918193
Conc: 5.09 ug/ml



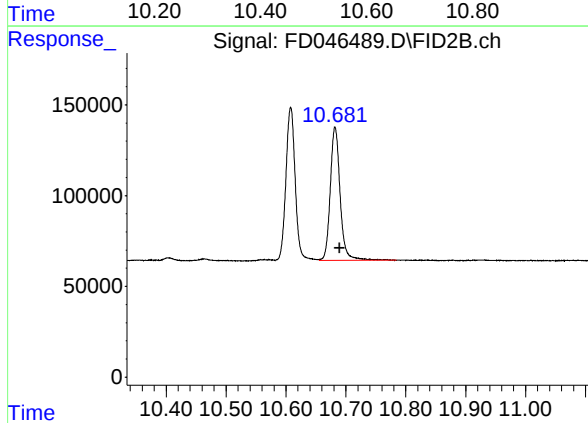
#9 Phenanthrene (C19.36)

R.T.: 10.608 min
Delta R.T.: -0.008 min
Response: 916204
Conc: 5.21 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5

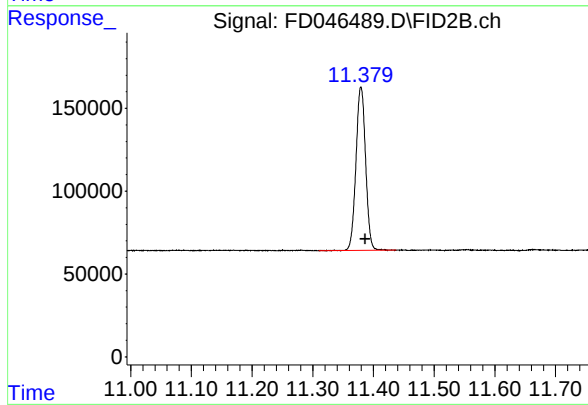
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/15/2023
Supervised By :Ankita Jodhani 09/15/2023



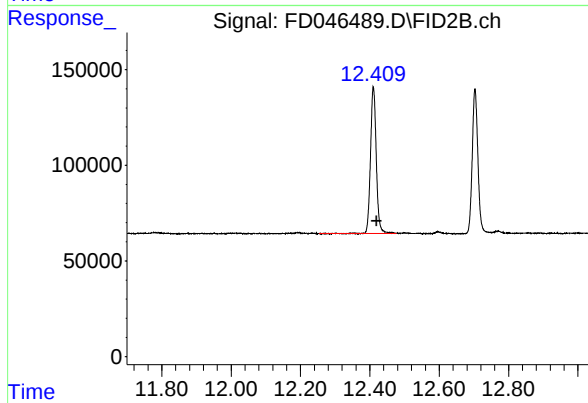
#10 Anthracene (C19.43)

R.T.: 10.682 min
Delta R.T.: -0.007 min
Response: 842767
Conc: 5.49 ug/ml



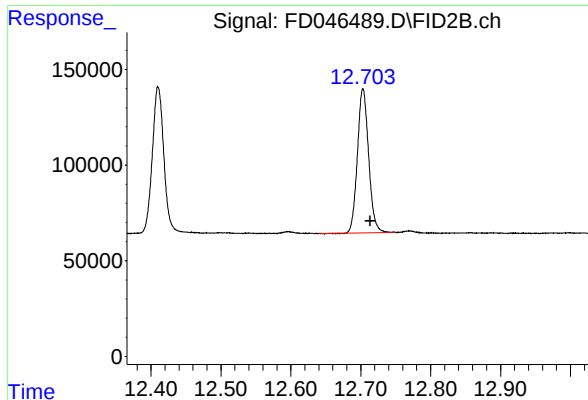
#11 ortho-Terphenyl (SURRE)

R.T.: 11.379 min
Delta R.T.: -0.007 min
Response: 1087437
Conc: 5.34 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.410 min
Delta R.T.: -0.009 min
Response: 881393
Conc: 5.17 ug/ml



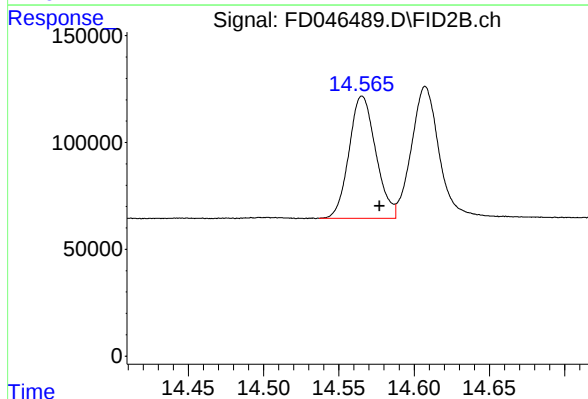
#13 Pyrene (C20.8)

R.T.: 12.703 min
Delta R.T.: -0.010 min
Response: 840325
Conc: 5.12 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5

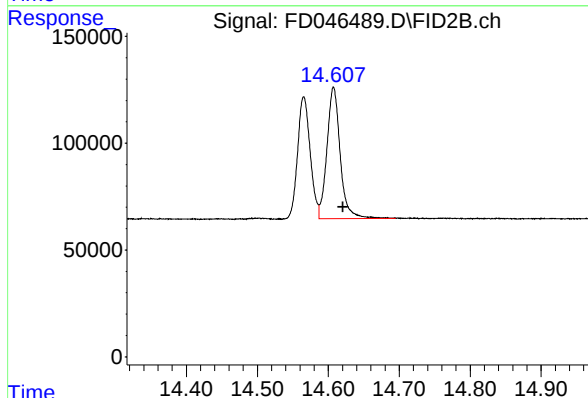
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/15/2023
Supervised By :Ankita Jodhani 09/15/2023



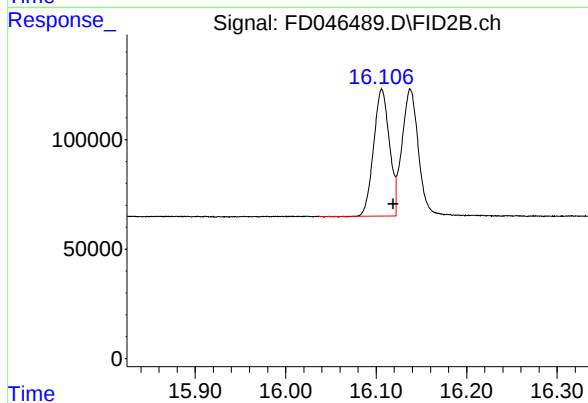
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.565 min
Delta R.T.: -0.012 min
Response: 707986
Conc: 5.07 ug/ml



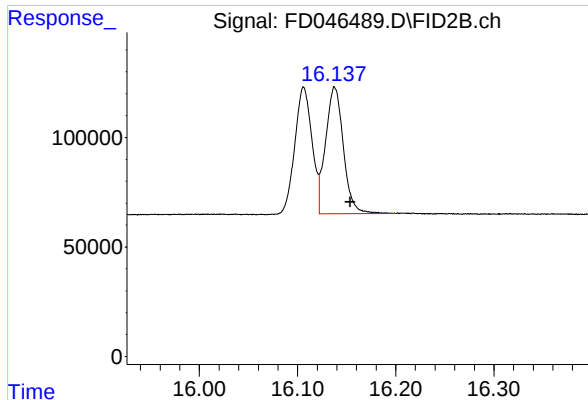
#15 Chrysene (C27.41)

R.T.: 14.608 min
Delta R.T.: -0.013 min
Response: 797237
Conc: 5.25 ug/ml



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

R.T.: 16.106 min
Delta R.T.: -0.013 min
Response: 700591
Conc: 5.11 ug/ml



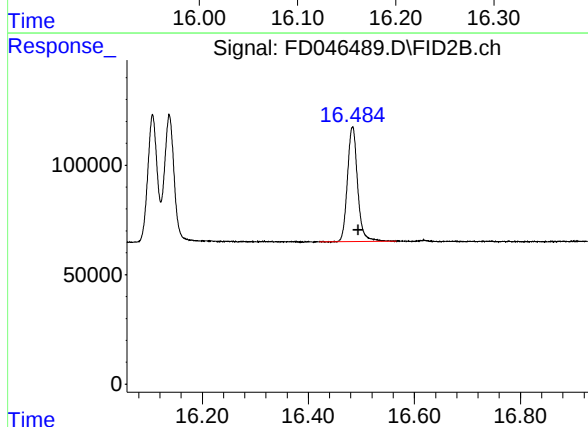
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.138 min
Delta R.T.: -0.016 min
Response: 732363
Conc: 5.29 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5

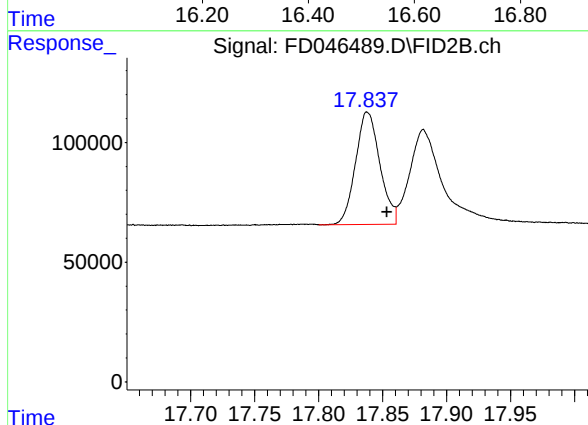
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/15/2023
Supervised By :Ankita Jodhani 09/15/2023



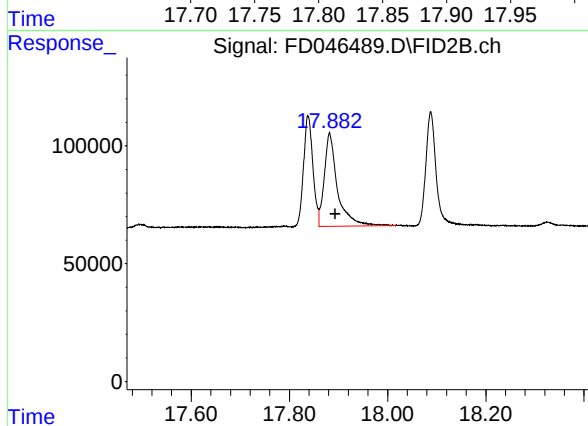
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.483 min
Delta R.T.: -0.011 min
Response: 699163
Conc: 5.23 ug/ml



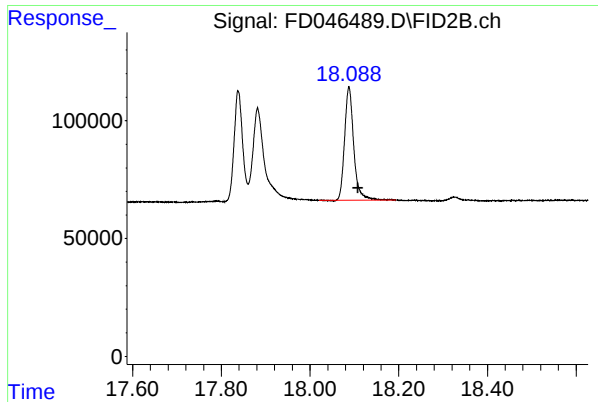
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.838 min
Delta R.T.: -0.015 min
Response: 621904
Conc: 4.96 ug/ml



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

R.T.: 17.882 min
Delta R.T.: -0.012 min
Response: 739614
Conc: 5.56 ug/ml



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

R.T.: 18.088 min
Delta R.T.: -0.020 min
Response: 690555
Conc: 5.24 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/15/2023
Supervised By :Ankita Jodhani 09/15/2023

Instrument :
FID_D
LabSampleId :
5 PPM AROMATIC HC STD5

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 09/15/2023
Supervised By :Ankita Jodhani 09/15/2023

rteres

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD
Data File : FD046489.D
Signal(s) : FID2B.ch
Acq On : 14 Sep 2023 20:06
Sample : 5 PPM AROMATIC HC STD5
Misc :
ALS Vial : 60 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 091523.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	4.305	4.250	4.364	BV	116617	995457	91.54%	5.632%
2	5.831	5.755	5.914	BB	110910	1034528	95.13%	5.853%
3	6.878	6.740	6.937	BB	105525	1018375	93.65%	5.762%
4	7.490	7.439	7.565	BB	93000	931458	85.66%	5.270%
5	8.147	8.085	8.229	BB	93830	935009	85.98%	5.290%
6	8.343	8.289	8.412	BV	56250	595922	54.80%	3.372%
7	8.441	8.412	8.505	VB	100364	995018	91.50%	5.629%
8	9.220	9.165	9.270	BB	86790	918193	84.44%	5.195%
9	10.608	10.510	10.655	BV	84756	916204	84.25%	5.184%
10	10.682	10.655	10.784	VB	73462	842767	77.50%	4.768%
11	11.379	11.310	11.437	BB	98779	1087437	100.00%	6.152%
12	12.410	12.254	12.475	BB	76434	881393	81.05%	4.987%
13	12.703	12.640	12.750	BV	75400	840325	77.28%	4.754%
14	14.566	14.454	14.587	BV	57079	701702	64.53%	3.970%
15	14.608	14.587	14.695	VB	61636	797237	73.31%	4.510%
16	16.106	16.037	16.122	BV	57983	700591	64.43%	3.964%
17	16.138	16.122	16.200	VB	57660	732363	67.35%	4.143%
18	16.483	16.420	16.565	BB	52295	699163	64.29%	3.956%
19	17.838	17.800	17.860	BV	46690	621904	57.19%	3.519%
20	17.882	17.860	18.017	VB	39506	739614	68.01%	4.184%
21	18.088	18.020	18.194	BB	48290	690555	63.50%	3.907%
Sum of corrected areas:						17675215		

Aromatic EPH 091523.M Fri Sep 15 01:56:23 2023

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD091523AR\
 Data File : FD046490.D
 Signal(s) : FID2B.ch
 Acq On : 14 Sep 2023 20:51
 Operator : YP/AJ
 Sample : 20 PPM AROMATIC HC STD ICV
 Misc :
 ALS Vial : 61 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 20 PPM AROMATIC HC STD ICV

Integration File: autoint1.e
 Quant Time: Sep 15 01:48:49 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 091523.M
 Quant Title : GC Extractables
 QLast Update : Fri Sep 15 01:47:22 2023
 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...	7.491	3593349	20.391 ug/ml
Spiked Amount 50.000		Recovery =	40.78%
6) S 2-Fluorobiphenyl (SURR)	8.344	2368186	20.440 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	40.88%
11) S ortho-Terphenyl (SURR)	11.381	4144118	20.341 ug/ml
Spiked Amount 50.000		Recovery =	40.68%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.305	3756467	20.338 ug/ml
2) T Naphthalene (C11.7)	5.831	3931154	20.344 ug/ml
3) T 2-Methylnaphthalene (...)	6.879	3976478	20.520 ug/ml
5) T Acenaphthylene (C15.06)	8.148	3611342	20.481 ug/ml
7) T Acenaphthene (C15.5)	8.443	3828710	20.377 ug/ml
8) T Fluorene (C16.55)	9.221	3710467	20.569 ug/ml
9) T Phenanthrene (C19.36)	10.610	3591591	20.427 ug/ml
10) T Anthracene (C19.43)	10.684	3502879	22.806 ug/ml
12) T Fluoranthene (C21.85)	12.412	3464702	20.328 ug/ml
13) T Pyrene (C20.8)	12.706	3357804	20.468 ug/ml
14) T Benzo[a]anthracene (C...	14.570	2862790	20.502 ug/ml
15) T Chrysene (C27.41)	14.612	3071378	20.233 ug/ml
16) T benzo[b]fluoranthene ...	16.110	2801244	20.422 ug/ml
17) T Bnezo[k]fluoranthene ...	16.143	2805089	20.250 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.486	2733504	20.433 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.842	2543356	20.290 ug/ml
20) T Dibenz[a,h]anthracene...	17.883	2675699	20.107 ug/ml
21) T Benzo[g,h,i]perylene ...	18.093	2686407	20.371 ug/ml

(f)=RT Delta > 1/2 Window

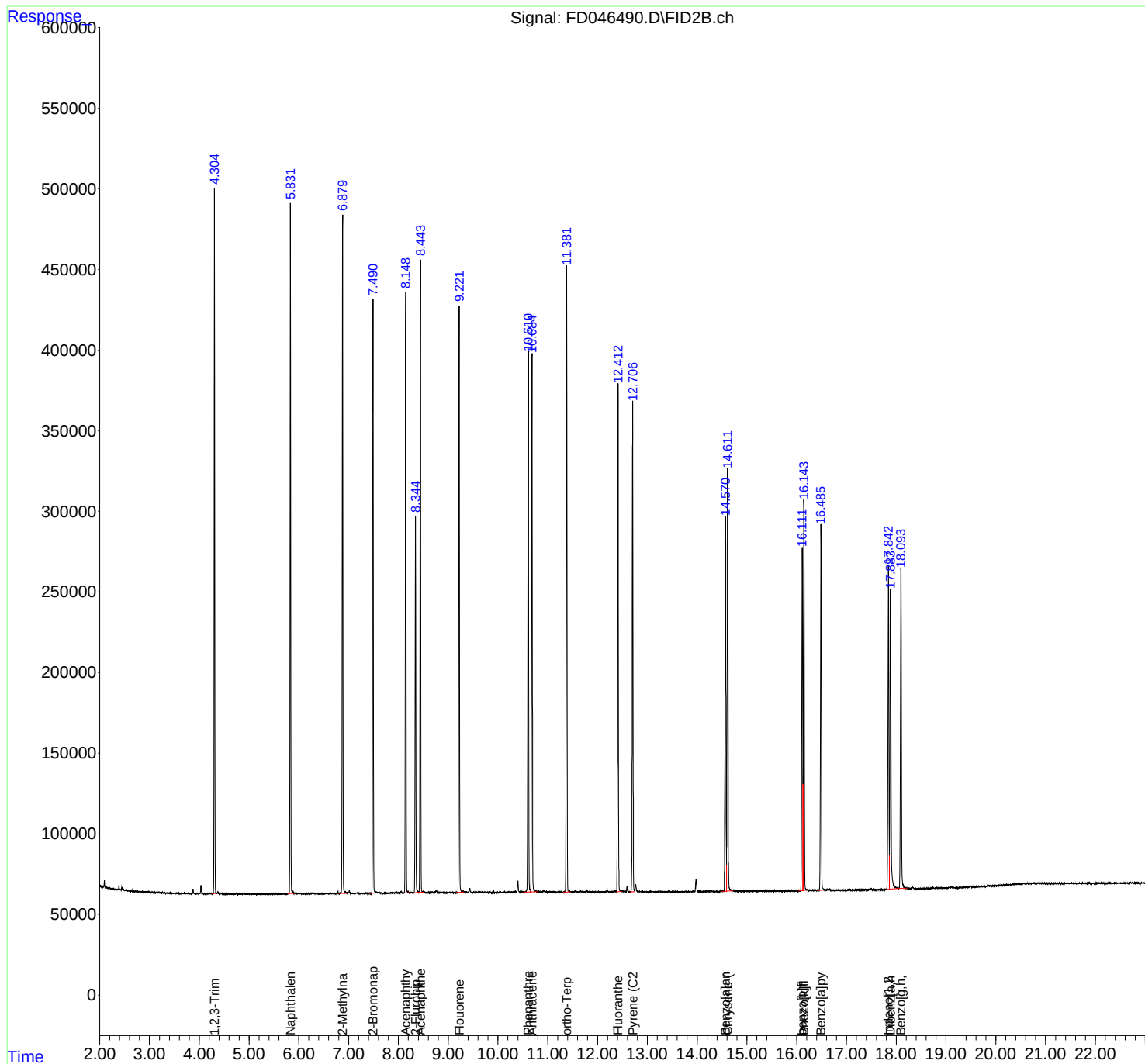
(m)=manual int.

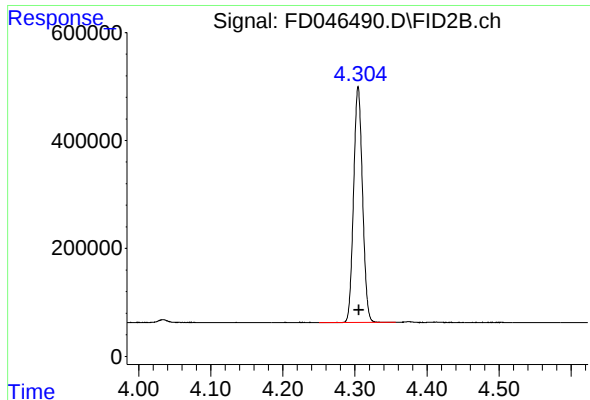
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD091523AR\
Data File : FD046490.D
Signal(s) : FID2B.ch
Acq On : 14 Sep 2023 20:51
Operator : YP/AJ
Sample : 20 PPM AROMATIC HC STD ICV
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD ICV

Integration File: autoint1.e
Quant Time: Sep 15 01:48:49 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 091523.M
Quant Title : GC Extractables
QLast Update : Fri Sep 15 01:47:22 2023
Response via : Initial Calibration
Integrator: ChemStation

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

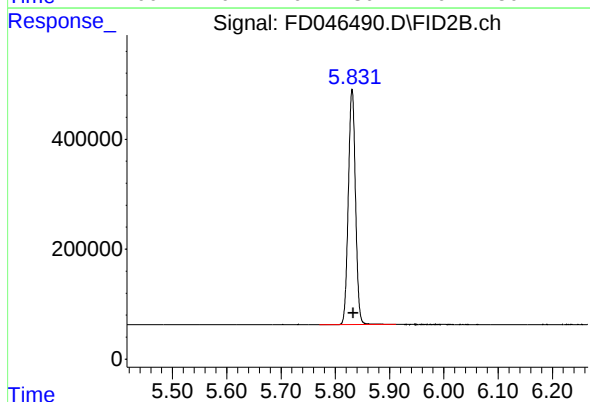




#1 1,2,3-Trimethylbenzene (C10.1)

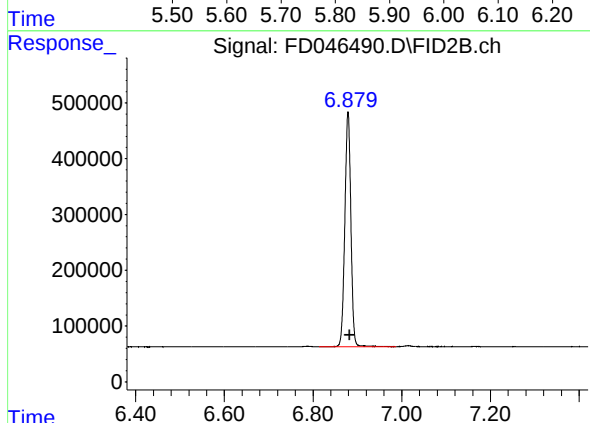
R.T.: 4.305 min
Delta R.T.: -0.001 min
Response: 3756467
Conc: 20.34 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD ICV



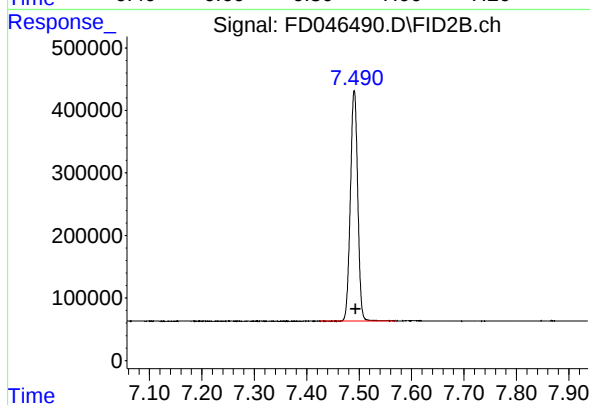
#2 Naphthalene (C11.7)

R.T.: 5.831 min
Delta R.T.: -0.002 min
Response: 3931154
Conc: 20.34 ug/ml



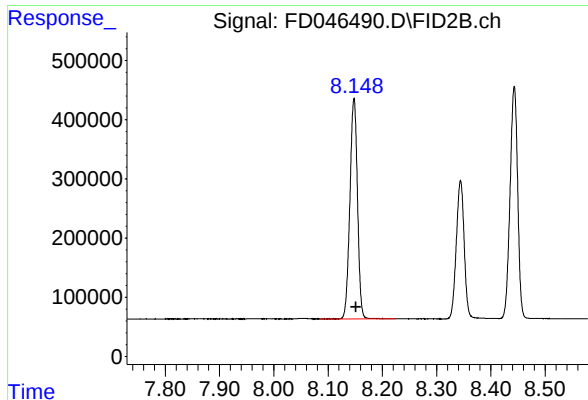
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.879 min
Delta R.T.: -0.003 min
Response: 3976478
Conc: 20.52 ug/ml



#4 2-Bromonaphthalene (SURR)

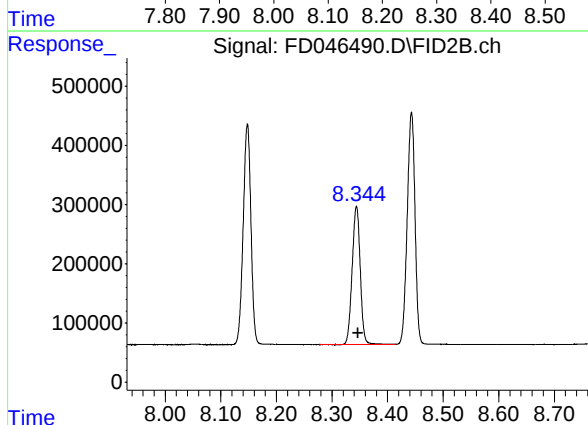
R.T.: 7.491 min
Delta R.T.: -0.003 min
Response: 3593349
Conc: 20.39 ug/ml



#5 Acenaphthylene (C15.06)

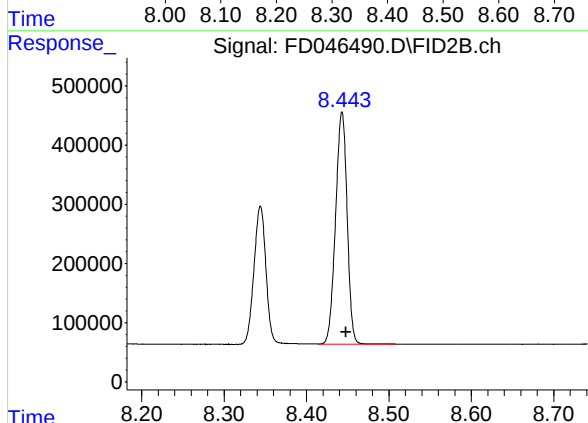
R.T.: 8.148 min
Delta R.T.: -0.004 min
Response: 3611342
Conc: 20.48 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD ICV



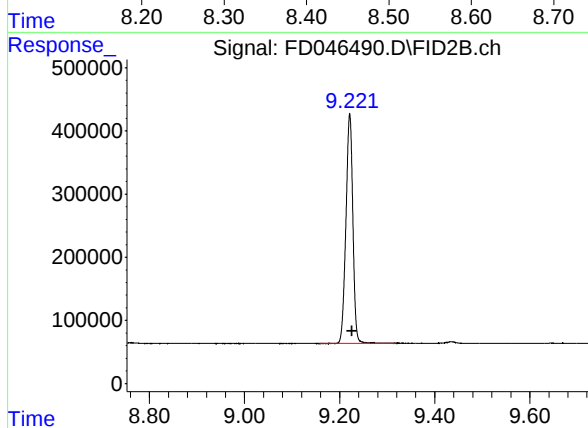
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.344 min
Delta R.T.: -0.003 min
Response: 2368186
Conc: 20.44 ug/ml



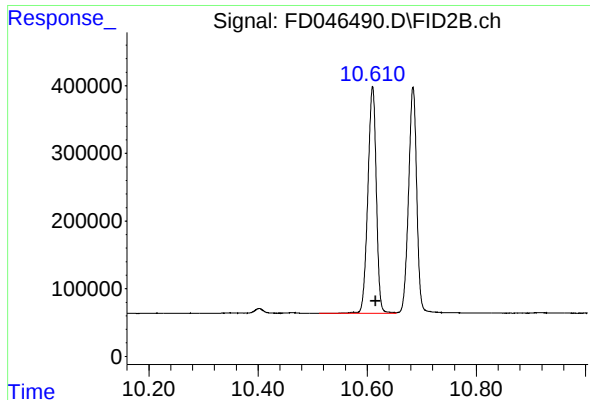
#7 Acenaphthene (C15.5)

R.T.: 8.443 min
Delta R.T.: -0.005 min
Response: 3828710
Conc: 20.38 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.221 min
Delta R.T.: -0.005 min
Response: 3710467
Conc: 20.57 ug/ml



#9 Phenanthrene (C19.36)

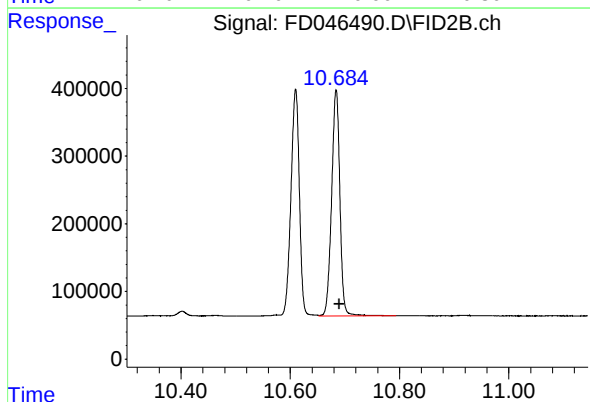
R.T.: 10.610 min
Delta R.T.: -0.006 min
Response: 3591591
Conc: 20.43 ug/ml

Instrument :

FID_D

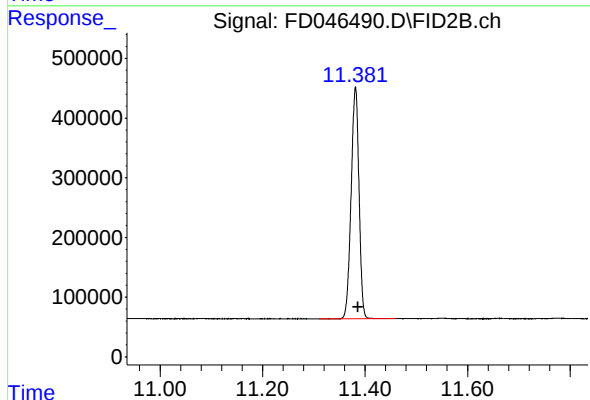
ClientSampleId :

20 PPM AROMATIC HC STD ICV



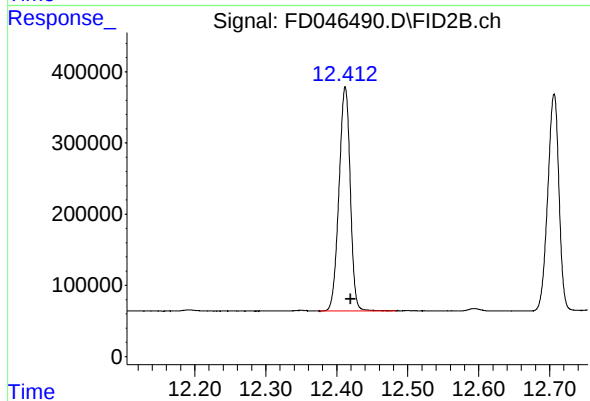
#10 Anthracene (C19.43)

R.T.: 10.684 min
Delta R.T.: -0.006 min
Response: 3502879
Conc: 22.81 ug/ml



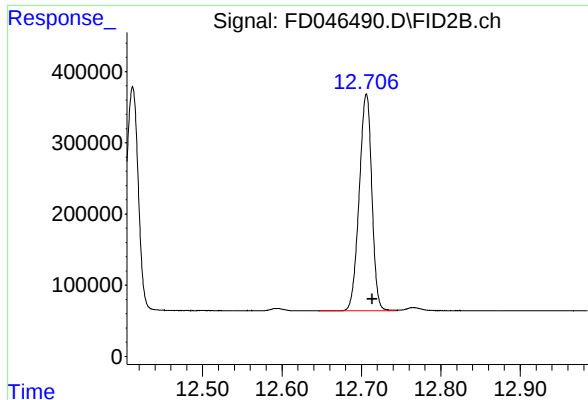
#11 ortho-Terphenyl (SURR)

R.T.: 11.381 min
Delta R.T.: -0.005 min
Response: 4144118
Conc: 20.34 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.412 min
Delta R.T.: -0.008 min
Response: 3464702
Conc: 20.33 ug/ml



#13 Pyrene (C20.8)

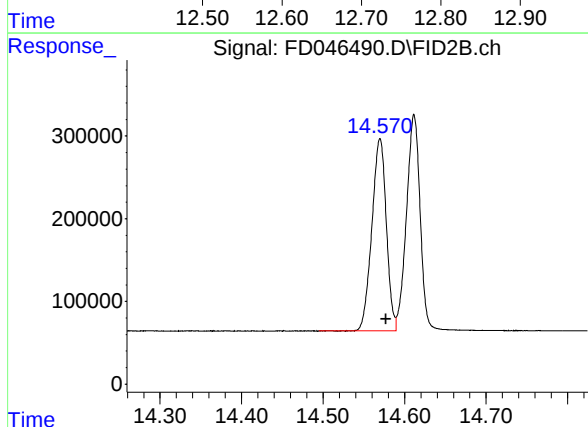
R.T.: 12.706 min
Delta R.T.: -0.007 min
Response: 3357804
Conc: 20.47 ug/ml

Instrument :

FID_D

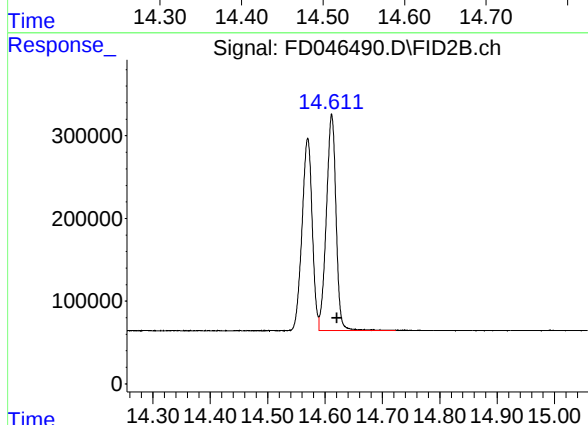
ClientSampleId :

20 PPM AROMATIC HC STD ICV



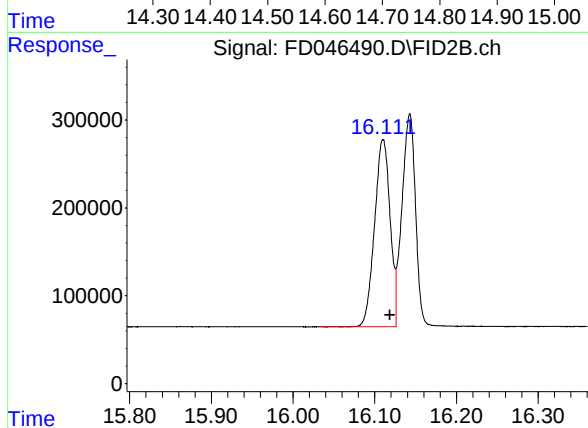
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.570 min
Delta R.T.: -0.007 min
Response: 2862790
Conc: 20.50 ug/ml



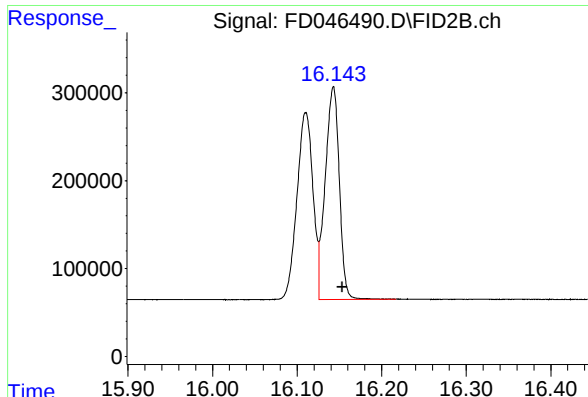
#15 Chrysene (C27.41)

R.T.: 14.612 min
Delta R.T.: -0.009 min
Response: 3071378
Conc: 20.23 ug/ml



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

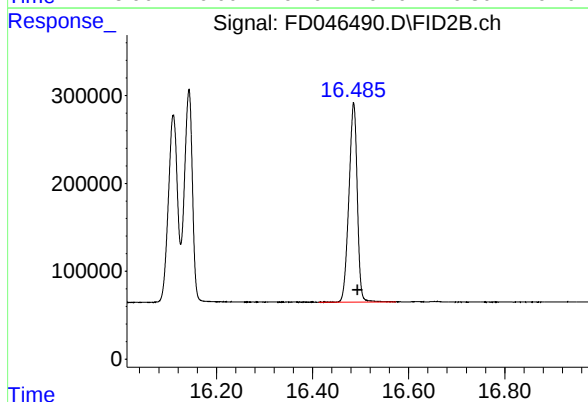
R.T.: 16.110 min
Delta R.T.: -0.009 min
Response: 2801244
Conc: 20.42 ug/ml



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

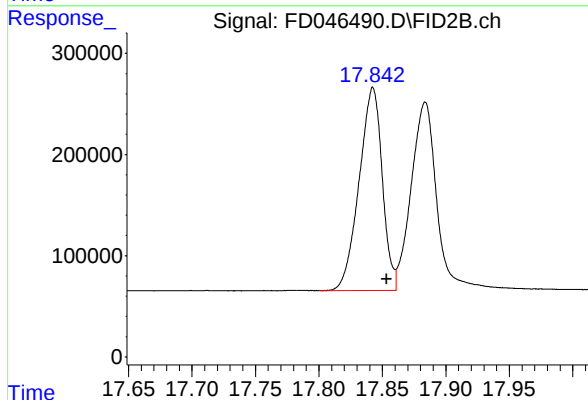
R.T.: 16.143 min
Delta R.T.: -0.011 min
Response: 2805089
Conc: 20.25 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD ICV



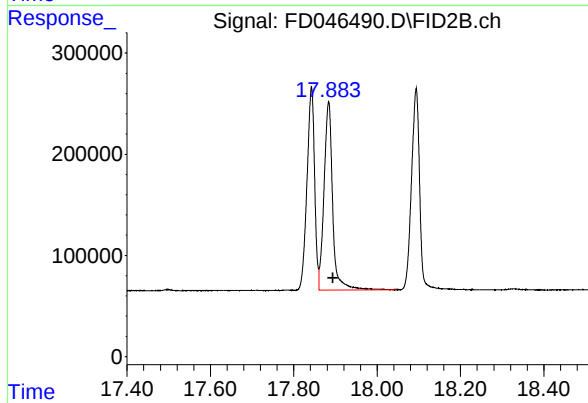
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.486 min
Delta R.T.: -0.009 min
Response: 2733504
Conc: 20.43 ug/ml



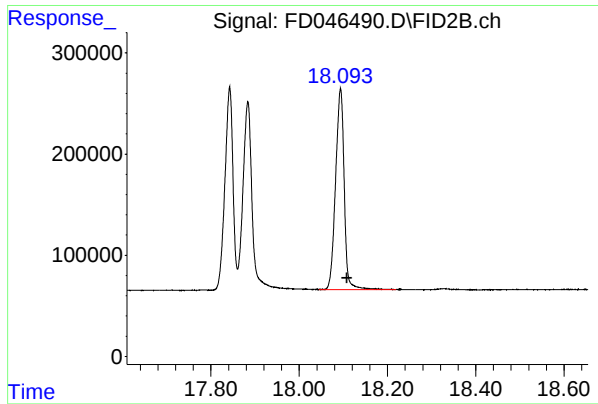
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.842 min
Delta R.T.: -0.011 min
Response: 2543356
Conc: 20.29 ug/ml



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

R.T.: 17.883 min
Delta R.T.: -0.011 min
Response: 2675699
Conc: 20.11 ug/ml



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

R.T.: 18.093 min
Delta R.T.: -0.015 min
Response: 2686407
Conc: 20.37 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD ICV

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD091523AR\
Data File : FD046490.D
Signal(s) : FID2B.ch
Acq On : 14 Sep 2023 20:51
Sample : 20 PPM AROMATIC HC STD ICV
Misc :
ALS Vial : 61 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 091523.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	4.305	4.250	4.357	BV	436640	3756467	90.65%	5.443%
2	5.831	5.770	5.912	BB	427265	3931154	94.86%	5.696%
3	6.879	6.813	6.987	BB	420728	3976478	95.95%	5.762%
4	7.491	7.423	7.570	BB	368807	3593349	86.71%	5.206%
5	8.148	8.083	8.225	BB	374069	3611342	87.14%	5.233%
6	8.344	8.277	8.415	BV	233464	2368186	57.15%	3.431%
7	8.443	8.415	8.508	VB	393370	3828710	92.39%	5.548%
8	9.221	9.157	9.318	BB	364355	3710467	89.54%	5.376%
9	10.610	10.512	10.653	BV	336065	3591591	86.67%	5.204%
10	10.684	10.653	10.793	VB	334436	3502879	84.53%	5.075%
11	11.381	11.310	11.460	BB	390111	4144118	100.00%	6.005%
12	12.412	12.375	12.483	PB	315137	3464702	83.61%	5.020%
13	12.706	12.647	12.744	BV	305492	3357804	81.03%	4.865%
14	14.570	14.495	14.589	BV	233116	2862790	69.08%	4.148%
15	14.612	14.589	14.723	VB	261698	3071378	74.11%	4.450%
16	16.110	16.032	16.126	BV	212771	2801244	67.60%	4.059%
17	16.143	16.126	16.217	VB	241193	2805089	67.69%	4.064%
18	16.486	16.413	16.573	BB	227193	2733504	65.96%	3.961%
19	17.842	17.800	17.861	BV	200945	2543356	61.37%	3.685%
20	17.883	17.861	18.045	VB	186415	2675699	64.57%	3.877%
21	18.093	18.045	18.219	BBA	198697	2686407	64.82%	3.892%
Sum of corrected areas:						69016712		

Aromatic EPH 091523.M Fri Sep 15 01:56:44 2023