

Initial Calibration Report for SequenceID : FD042123AR

AreaCount

Parameter Range	FD045518.D	FD045519.D	FD045520.D	FD045521.D	FD045522.D	
Aromatic C10-C12	32329593.000	16000197.000	6584411.000	3646410.000	1781606.000	
Aromatic C12-C16	47199974.000	23140071.000	9363335.000	5151177.000	2474457.000	
Aromatic C16-C21	56234431.000	27586585.000	11165552.000	6149575.000	2959192.000	
Aromatic C21-C36	116050410.000	57075550.000	23447256.000	12730965.000	6333566.000	
Aromatic EPH	251814408.000	123802403.000	50560554.000	27678127.000	13548821.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aromatic C10-C12	169348.262	6.015				
Aromatic C12-C16	160865.1339998	4.541				
Aromatic C16-C21	143957.4755	4.642				
Aromatic C21-C36	133648.613333	5.175				
Aromatic EPH	144442.1859996	4.995				

Concentration

Parameter Range	FD045518.D	FD045519.D	FD045520.D	FD045521.D	FD045522.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	FD045518.D	FD045519.D	FD045520.D	FD045521.D	FD045522.D	
Aromatic C10-C12	161647.965000	160001.970000	164610.275000	182320.500000	178160.600000	
Aromatic C12-C16	157333.246666	154267.140000	156055.583333	171705.900000	164963.800000	
Aromatic C16-C21	140586.077500	137932.925000	139569.400000	153739.375000	147959.600000	
Aromatic C21-C36	128944.900000	126834.555555	130262.533333	141455.166666	140745.911111	
Aromatic EPH	139896.893333	137558.225555	140445.983333	153767.372222	150542.455555	

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD042123AR\
 Data File : FD045518.D
 Signal(s) : FID2B.ch
 Acq On : 21 Apr 2023 15:37
 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

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 04/24/2023
 Supervised By :Ankita Jodhani 04/24/2023

Integration File: autoint1.e
 Quant Time: Apr 24 08:33:38 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 042123.M
 Quant Title : GC Extractables
 QLast Update : Mon Apr 24 08:30:38 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...	7.552	14144015	97.831 ug/ml
Spiked Amount 50.000		Recovery =	195.66%
6) S 2-Fluorobiphenyl (SURR)	8.409	9321712	99.966 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	199.93%#
11) S ortho-Terphenyl (SURR)	11.450	17407295	97.265 ug/ml
Spiked Amount 50.000		Recovery =	194.53%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.359	15912013	94.967 ug/ml
2) T Naphthalene (C11.7)	5.892	16417580	95.929 ug/ml
3) T 2-Methylnaphthalene (...)	6.942	16432740	97.128 ug/ml
5) T Acenaphthylene (C15.06)	8.214	14848045	98.150 ug/ml
7) T Acenaphthene (C15.5)	8.512	15919189	98.188 ug/ml
8) T Fluorene (C16.55)	9.289	15375771	99.821 ug/ml
9) T Phenanthrene (C19.36)	10.680	14792070	99.162 ug/ml
10) T Anthracene (C19.43)	10.755	11949689	92.509 ug/ml
12) T Fluoranthene (C21.85)	12.487	14455903	98.221 ug/ml
13) T Pyrene (C20.8)	12.783	14116901	98.410 ug/ml
14) T Benzo[a]anthracene (C...	14.646	12910601	98.520 ug/ml
15) T Chrysene (C27.41)	14.694	13413522	98.261 ug/ml
16) T benzo[b]fluoranthene ...	16.191	13258368	99.295 ug/ml
17) T Bnezo[k]fluoranthene ...	16.231	12754672	94.635 ug/mlm
18) T Benzo[a]pyrene (C31.34)	16.570	12625110	98.667 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.929	12340580	98.239 ug/ml
20) T Dibenz[a,h]anthracene...	17.971	11653337	84.689 ug/mlm
21) T Benzo[g,h,i]perylene ...	18.189	12638317	96.469 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD042123AR\
 Data File : FD045518.D
 Signal(s) : FID2B.ch
 Acq On : 21 Apr 2023 15:37
 Operator : YP/AJ
 Sample : 100 PPM AROMATIC HC STD1
 Misc :
 ALS Vial : 56 Sample Multiplier: 1

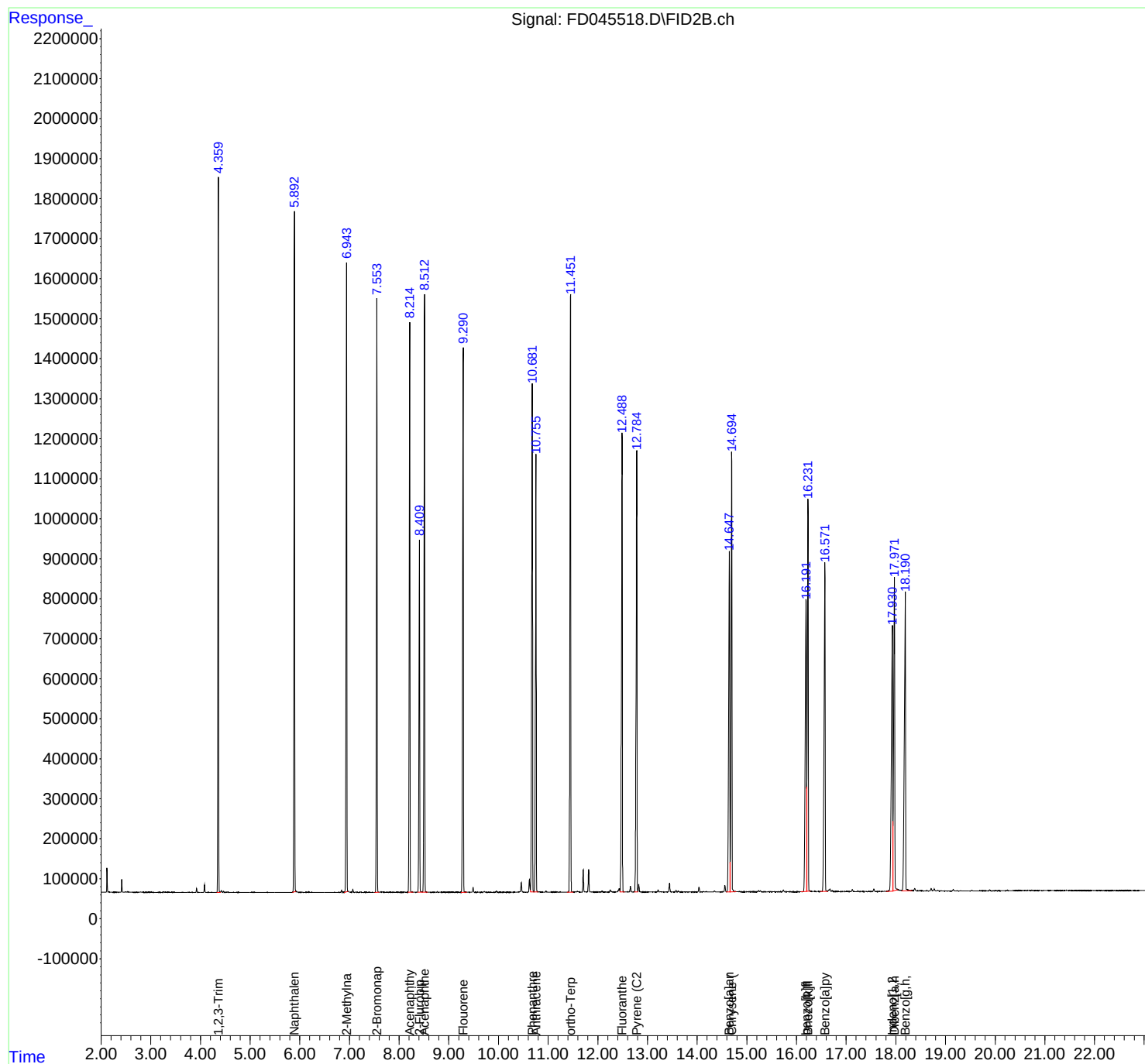
Instrument :
 FID_D
 ClientSampleId :
 100 PPM AROMATIC HC STD1

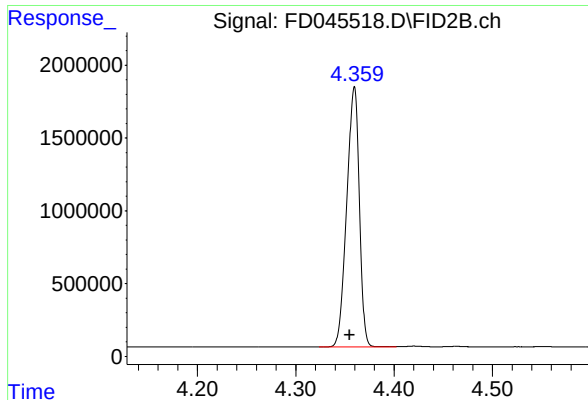
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 04/24/2023
 Supervised By :Ankita Jodhani 04/24/2023

Integration File: autoint1.e
 Quant Time: Apr 24 08:33:38 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 042123.M
 Quant Title : GC Extractables
 QLast Update : Mon Apr 24 08:30:38 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.: 4.359 min
Delta R.T.: 0.004 min
Response: 15912013
Conc: 94.97 ug/ml

Instrument :

FID_D

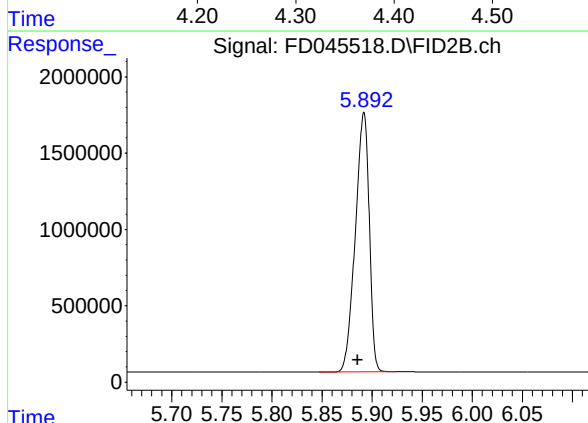
ClientSampleId :

100 PPM AROMATIC HC STD1

Manual Integrations

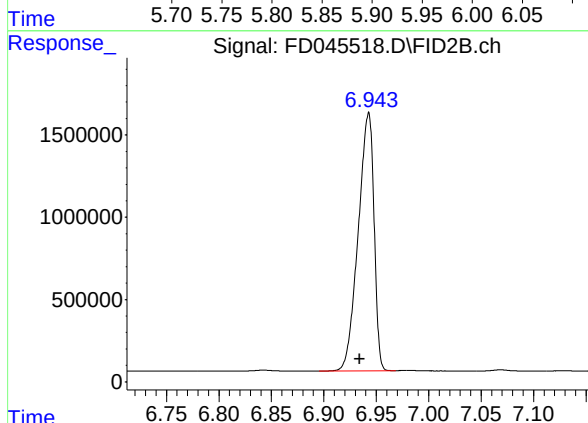
APPROVED

Reviewed By :Yogesh Patel 04/24/2023
Supervised By :Ankita Jodhani 04/24/2023



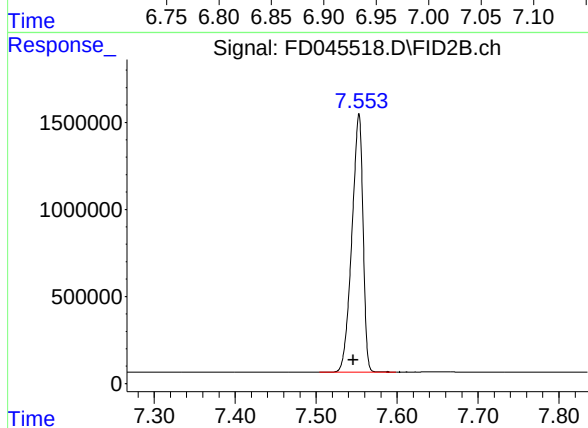
#2 Naphthalene (C11.7)

R.T.: 5.892 min
Delta R.T.: 0.006 min
Response: 16417580
Conc: 95.93 ug/ml



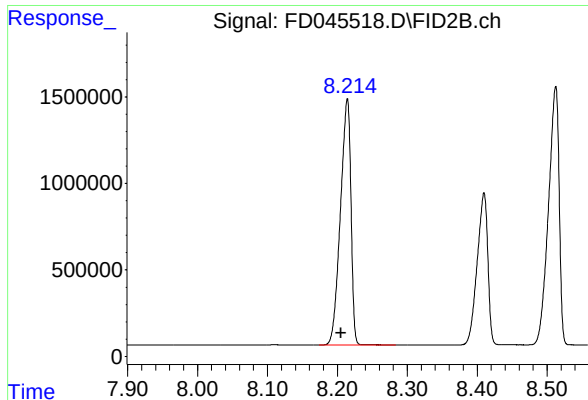
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.942 min
Delta R.T.: 0.008 min
Response: 16432740
Conc: 97.13 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.552 min
Delta R.T.: 0.006 min
Response: 14144015
Conc: 97.83 ug/ml



#5 Acenaphthylene (C15.06)

R.T.: 8.214 min
Delta R.T.: 0.008 min
Response: 14848045
Conc: 98.15 ug/ml

Instrument :

FID_D

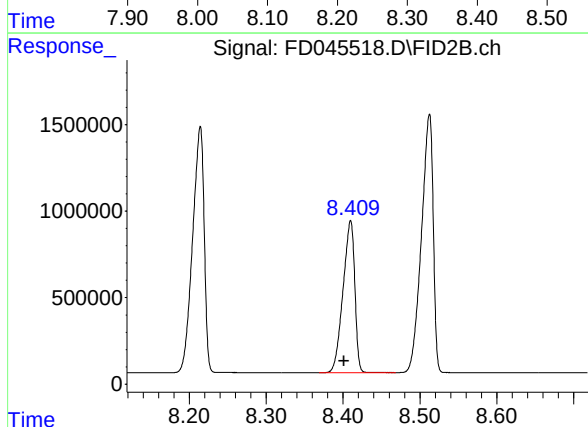
ClientSampleId :

100 PPM AROMATIC HC STD1

Manual Integrations

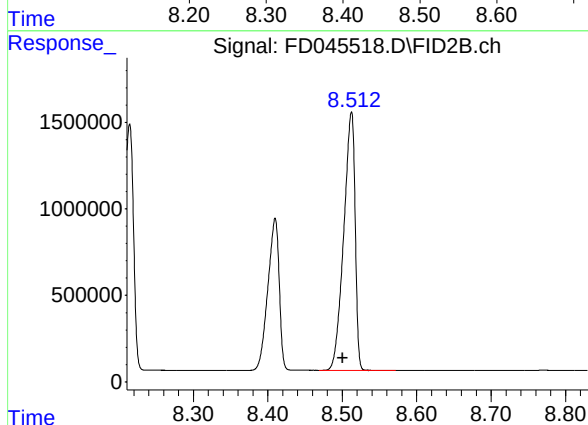
APPROVED

Reviewed By :Yogesh Patel 04/24/2023
Supervised By :Ankita Jodhani 04/24/2023



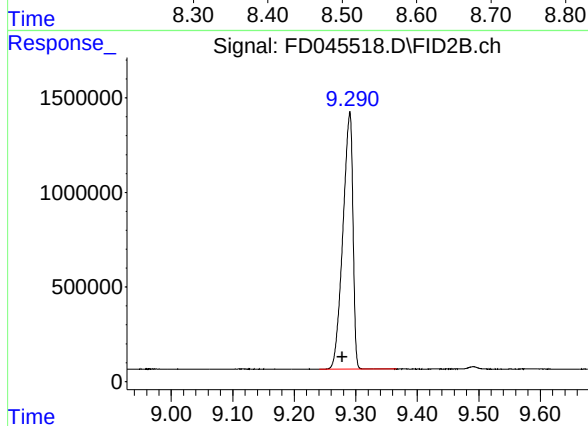
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.409 min
Delta R.T.: 0.008 min
Response: 9321712
Conc: 99.97 ug/ml



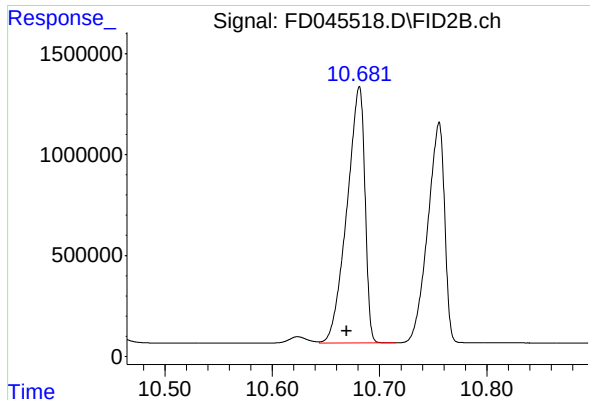
#7 Acenaphthene (C15.5)

R.T.: 8.512 min
Delta R.T.: 0.011 min
Response: 15919189
Conc: 98.19 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.289 min
Delta R.T.: 0.011 min
Response: 15375771
Conc: 99.82 ug/ml



#9 Phenanthrene (C19.36)

R.T.: 10.680 min
Delta R.T.: 0.011 min
Response: 14792070
Conc: 99.16 ug/ml

Instrument :

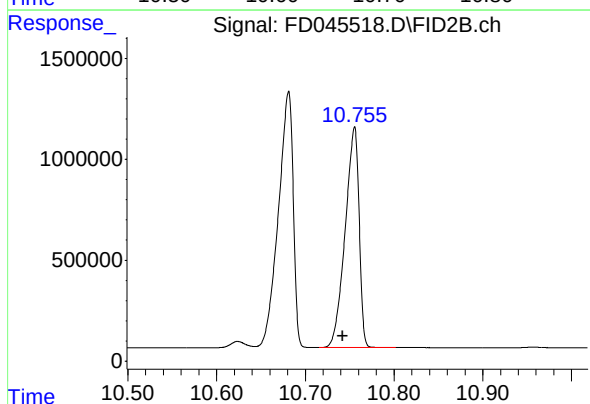
FID_D

ClientSampleId :

100 PPM AROMATIC HC STD1

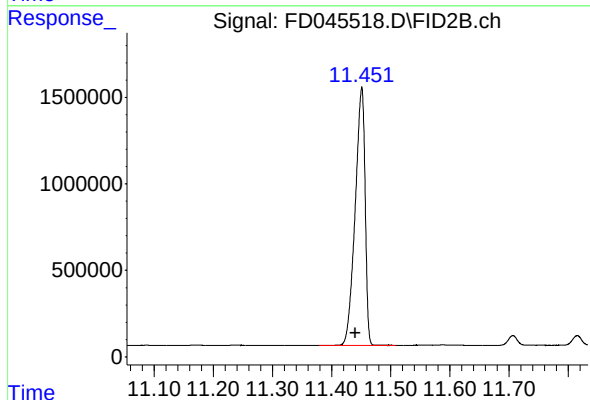
Manual Integrations
APPROVED

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Supervised By :Ankita Jodhani 04/24/2023



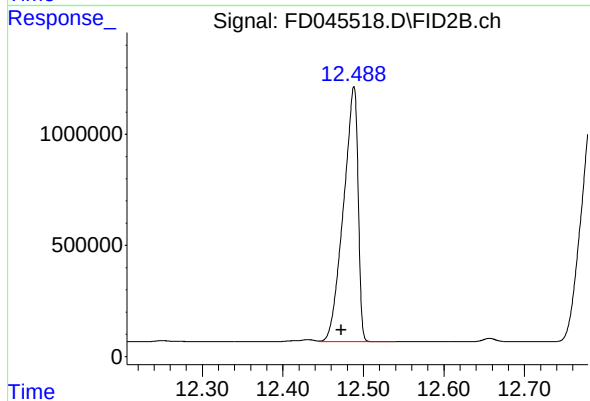
#10 Anthracene (C19.43)

R.T.: 10.755 min
Delta R.T.: 0.012 min
Response: 11949689
Conc: 92.51 ug/ml



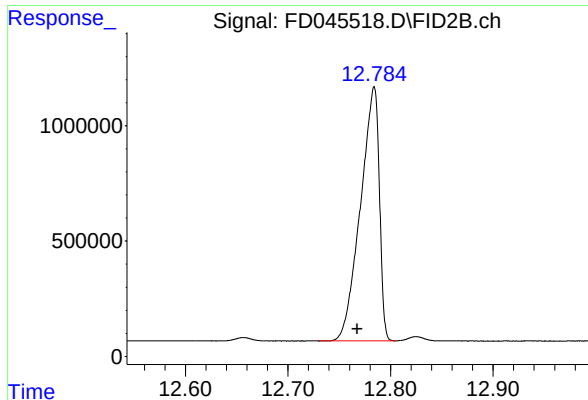
#11 ortho-Terphenyl (SURR)

R.T.: 11.450 min
Delta R.T.: 0.010 min
Response: 17407295
Conc: 97.26 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.487 min
Delta R.T.: 0.014 min
Response: 14455903
Conc: 98.22 ug/ml



#13 Pyrene (C20.8)

R.T.: 12.783 min
Delta R.T.: 0.016 min
Response: 14116901
Conc: 98.41 ug/ml

Instrument :

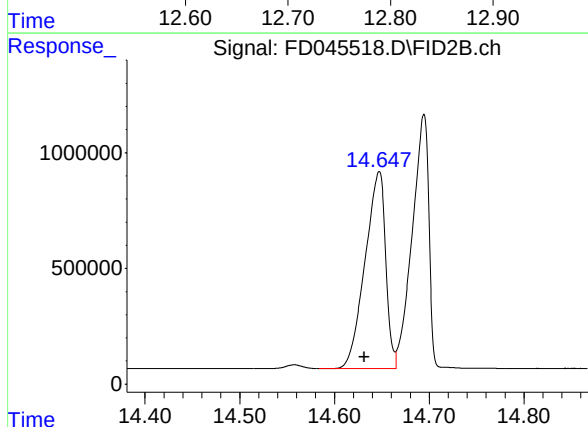
FID_D

ClientSampleId :

100 PPM AROMATIC HC STD1

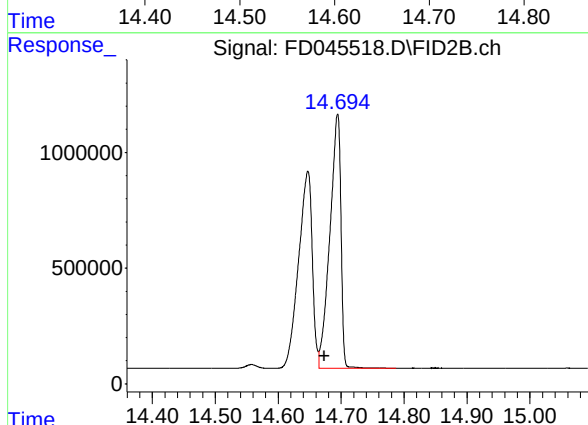
Manual Integrations
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Reviewed By :Yogesh Patel 04/24/2023
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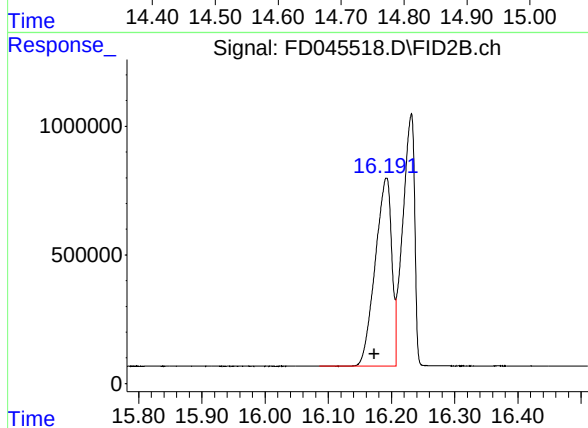
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.646 min
Delta R.T.: 0.015 min
Response: 12910601
Conc: 98.52 ug/ml



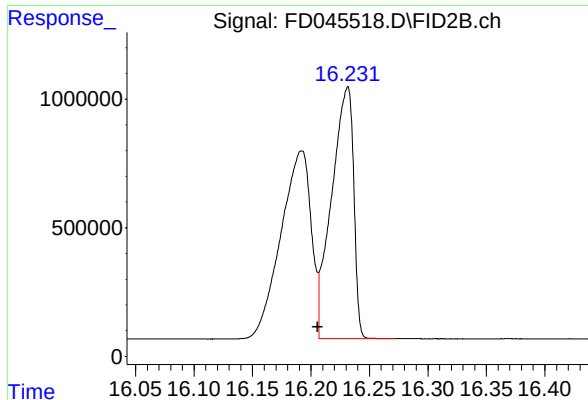
#15 Chrysene (C27.41)

R.T.: 14.694 min
Delta R.T.: 0.021 min
Response: 13413522
Conc: 98.26 ug/ml



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

R.T.: 16.191 min
Delta R.T.: 0.019 min
Response: 13258368
Conc: 99.29 ug/ml



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

R.T.: 16.231 min
Delta R.T.: 0.026 min
Response: 12754672
Conc: 94.64 ug/ml

Instrument :

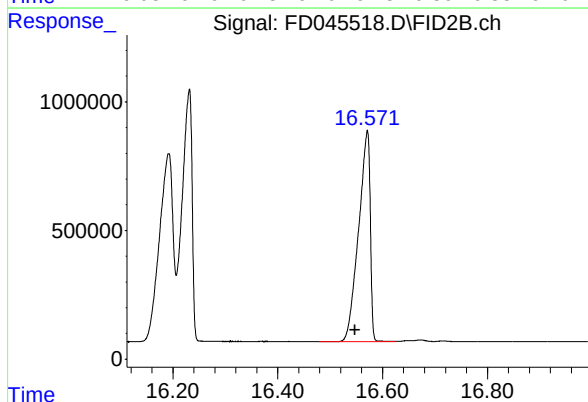
FID_D

ClientSampleId :

100 PPM AROMATIC HC STD1

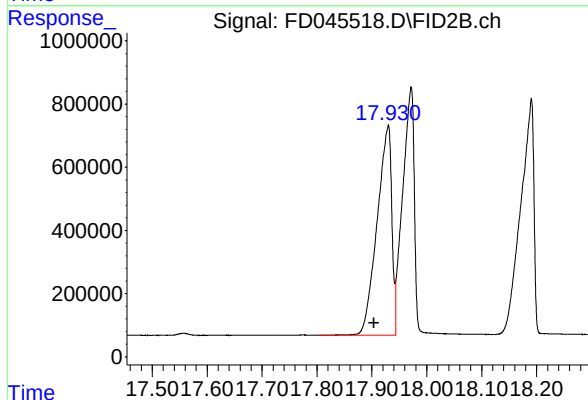
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 04/24/2023
Supervised By :Ankita Jodhani 04/24/2023



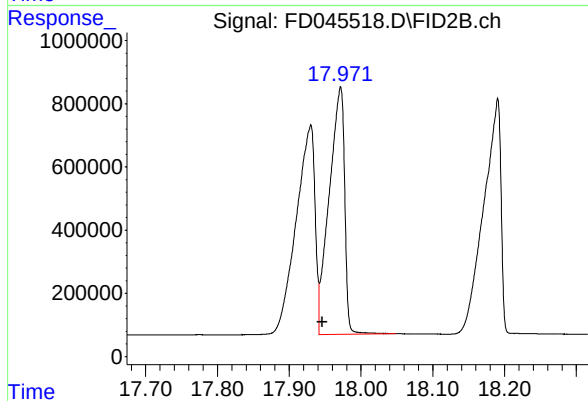
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.570 min
Delta R.T.: 0.022 min
Response: 12625110
Conc: 98.67 ug/ml



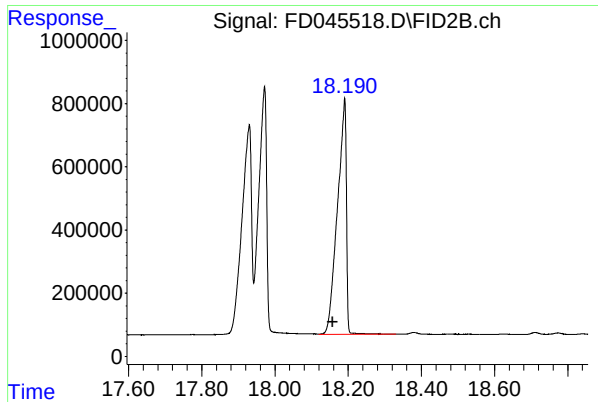
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.929 min
Delta R.T.: 0.025 min
Response: 12340580
Conc: 98.24 ug/ml



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

R.T.: 17.971 min
Delta R.T.: 0.025 min
Response: 11653337
Conc: 84.69 ug/ml m



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

R.T.: 18.189 min
Delta R.T.: 0.032 min
Response: 12638317
Conc: 96.47 ug/ml

Instrument :

FID_D

ClientSampleId :

100 PPM AROMATIC HC STD1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/24/2023
Supervised By :Ankita Jodhani 04/24/2023

rters

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

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD042123.D
Data File : FD045518.D
Signal(s) : FID2B.ch
Acq On : 21 Apr 2023 15:37
Sample : 100 PPM AROMATIC HC STD1
Misc :
ALS Vial : 56 Sample Multiplier: 1

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 04/24/2023
Supervised By :Ankita Jodhani 04/24/2023

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 042123.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	4.359	4.324	4.402	BV	1778612	15912013	91.41%	5.434%
2	5.892	5.847	5.924	BV	1709256	16417580	94.31%	5.607%
3	6.942	6.895	6.969	BV	1559978	16432740	94.40%	5.612%
4	7.552	7.504	7.599	BB	1474308	14144015	81.25%	4.831%
5	8.214	8.174	8.284	BB	1422945	14848045	85.30%	5.071%
6	8.409	8.369	8.469	BV	874990	9321712	53.55%	3.184%
7	8.512	8.469	8.572	VB	1497195	15919189	91.45%	5.437%
8	9.289	9.240	9.365	BB	1334428	15375771	88.33%	5.251%
9	10.680	10.644	10.715	VV	1265471	14792070	84.98%	5.052%
10	10.755	10.715	10.802	VV	1099256	11949689	68.65%	4.081%
11	11.450	11.379	11.509	BB	1486339	17407295	100.00%	5.945%
12	12.487	12.445	12.540	VB	1142966	14455903	83.05%	4.937%
13	12.783	12.730	12.805	BV	1106330	14116901	81.10%	4.821%
14	14.646	14.584	14.665	PV	853933	12910601	74.17%	4.409%
15	14.694	14.665	14.787	VB	1099627	13413522	77.06%	4.581%
16	16.191	16.085	16.207	BV	731288	13258368	76.17%	4.528%
17	16.230	16.207	16.297	VB	972440	12822222	73.66%	4.379%
18	16.570	16.479	16.625	BV	820353	12625110	72.53%	4.312%
19	17.929	17.804	17.944	BV	655851	12340580	70.89%	4.215%
20	17.970	17.944	18.120	VV	778251	11701897	67.22%	3.997%
21	18.189	18.120	18.330	VB	727233	12638317	72.60%	4.316%
Sum of corrected areas:						292803544		

Aromatic EPH 042123.M Mon Apr 24 08:46:43 2023

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD042123AR\
 Data File : FD045519.D
 Signal(s) : FID2B.ch
 Acq On : 21 Apr 2023 16:17
 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: Apr 22 03:39:07 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 042123.M
 Quant Title : GC Extractables
 QLast Update : Sat Apr 22 03:38:56 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...	7.551	6932853	49.590 ug/ml
Spiked Amount 50.000		Recovery =	99.18%
6) S 2-Fluorobiphenyl (SURR)	8.408	4528106	49.620 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	99.24%
11) S ortho-Terphenyl (SURR)	11.448	8532782	49.509 ug/ml
Spiked Amount 50.000		Recovery =	99.02%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.359	7878471	49.390 ug/ml
2) T Naphthalene (C11.7)	5.891	8121726	49.465 ug/ml
3) T 2-Methylnaphthalene (...)	6.941	8092617	49.625 ug/ml
5) T Acenaphthylene (C15.06)	8.212	7258818	49.562 ug/ml
7) T Acenaphthene (C15.5)	8.508	7788636	49.575 ug/ml
8) T Fluorene (C16.55)	9.286	7472257	49.620 ug/ml
9) T Phenanthrene (C19.36)	10.678	7183713	49.582 ug/ml
10) T Anthracene (C19.43)	10.751	6061639	49.812 ug/ml
12) T Fluoranthene (C21.85)	12.482	7024884	49.392 ug/ml
13) T Pyrene (C20.8)	12.778	6868976	49.430 ug/ml
14) T Benzo[a]anthracene (C...	14.642	6311335	49.742 ug/ml
15) T Chrysene (C27.41)	14.686	6588866	49.882 ug/ml
16) T benzo[b]fluoranthene ...	16.185	6445150	49.572 ug/ml
17) T Bnezo[k]fluoranthene ...	16.220	6344565	49.411 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.561	6148874	49.590 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.919	5952471	50.300 ug/ml
20) T Dibenz[a,h]anthracene...	17.961	6032223	50.416 ug/ml
21) T Benzo[g,h,i]perylene ...	18.175	6227182	50.018 ug/ml

(f)=RT Delta > 1/2 Window

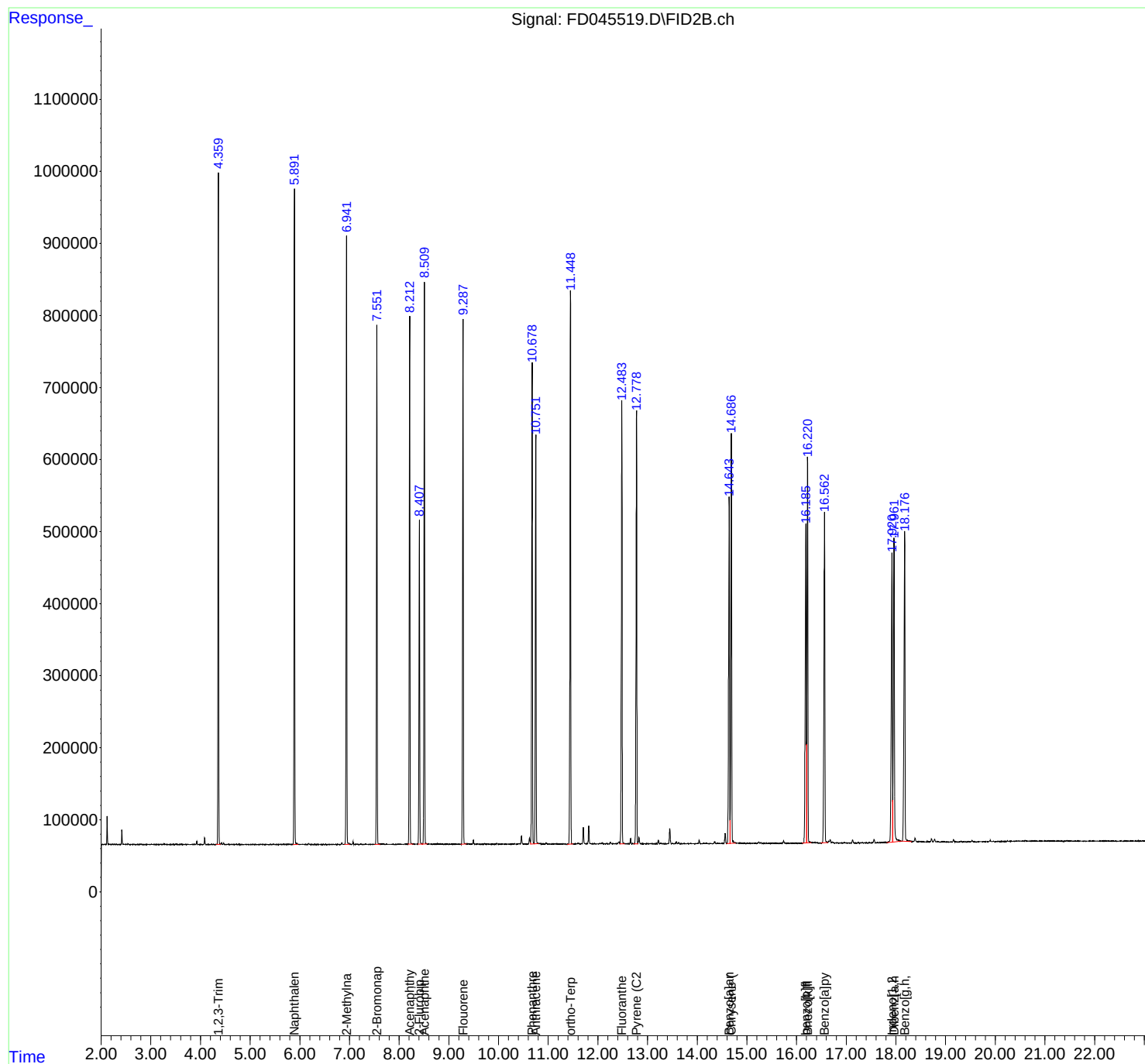
(m)=manual int.

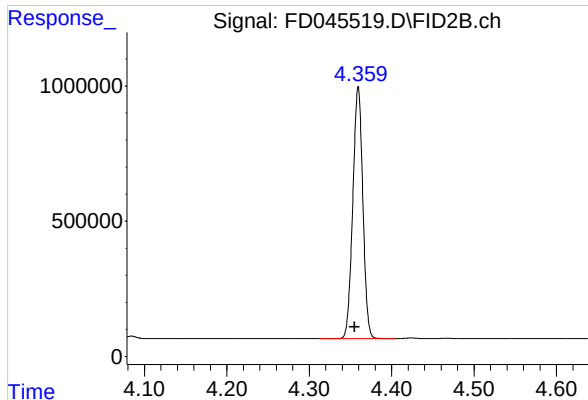
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD042123AR\
Data File : FD045519.D
Signal(s) : FID2B.ch
Acq On : 21 Apr 2023 16:17
Operator : YP/AJ
Sample : 50 PPM AROMATIC HC STD2
Misc :
ALS Vial : 57 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2

Integration File: autoint1.e
Quant Time: Apr 22 03:39:07 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 042123.M
Quant Title : GC Extractables
QLast Update : Sat Apr 22 03:38:56 2023
Response via : Initial Calibration
Integrator: ChemStation

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

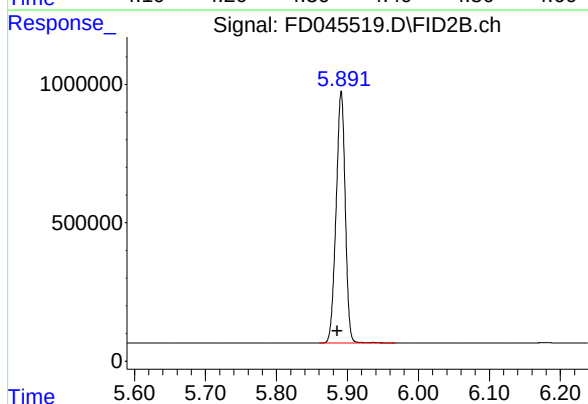




#1 1,2,3-Trimethylbenzene (C10.1)

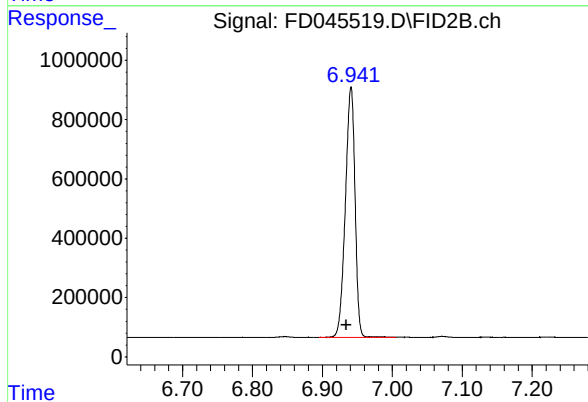
R.T.: 4.359 min
Delta R.T.: 0.004 min
Response: 7878471
Conc: 49.39 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2



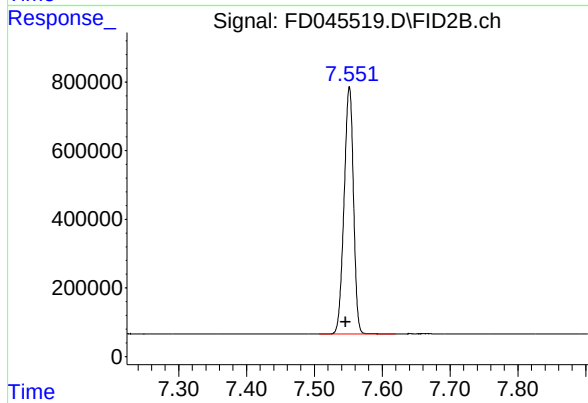
#2 Naphthalene (C11.7)

R.T.: 5.891 min
Delta R.T.: 0.006 min
Response: 8121726
Conc: 49.47 ug/ml



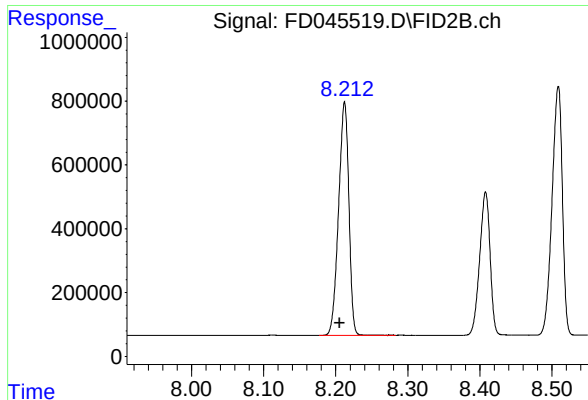
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.941 min
Delta R.T.: 0.006 min
Response: 8092617
Conc: 49.62 ug/ml



#4 2-Bromonaphthalene (SURR)

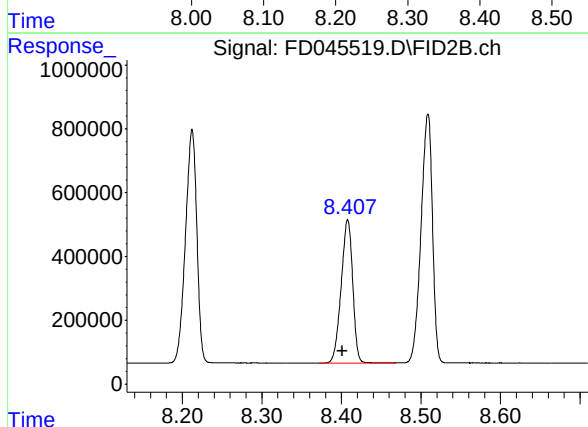
R.T.: 7.551 min
Delta R.T.: 0.005 min
Response: 6932853
Conc: 49.59 ug/ml



#5 Acenaphthylene (C15.06)

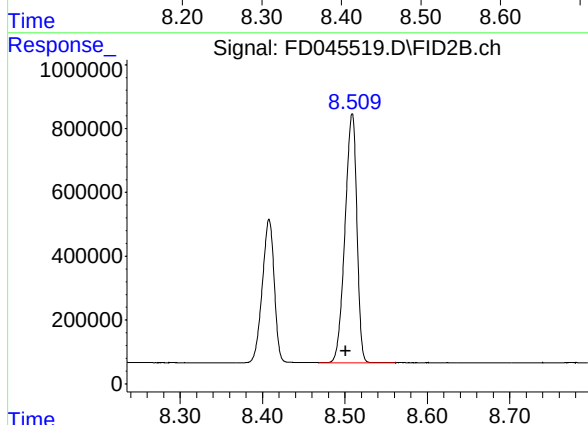
R.T.: 8.212 min
Delta R.T.: 0.007 min
Response: 7258818
Conc: 49.56 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2



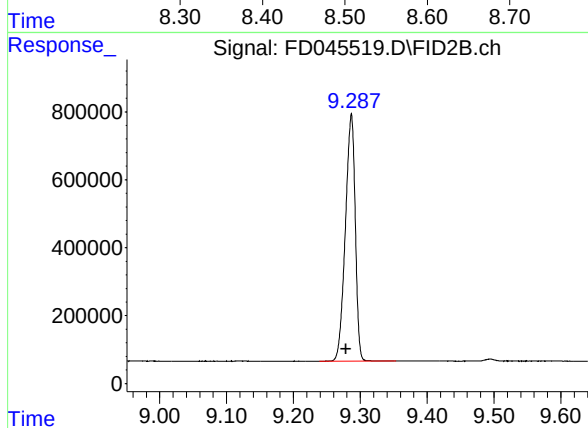
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.408 min
Delta R.T.: 0.006 min
Response: 4528106
Conc: 49.62 ug/ml



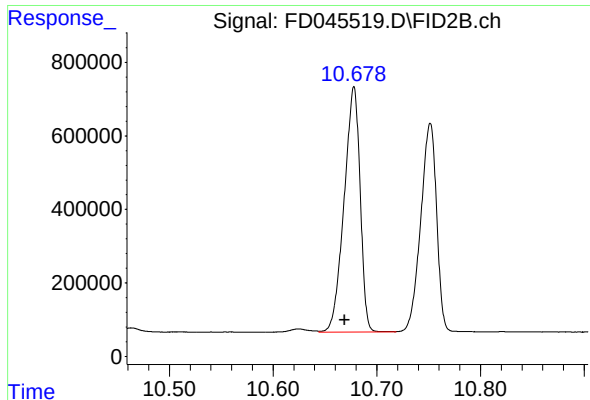
#7 Acenaphthene (C15.5)

R.T.: 8.508 min
Delta R.T.: 0.008 min
Response: 7788636
Conc: 49.57 ug/ml



#8 Fluorene (C16.55)

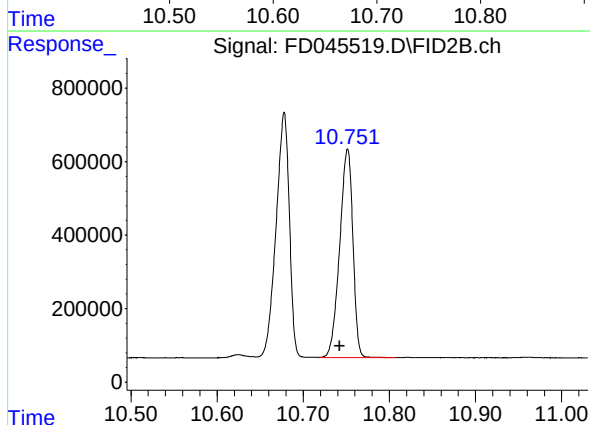
R.T.: 9.286 min
Delta R.T.: 0.008 min
Response: 7472257
Conc: 49.62 ug/ml



#9 Phenanthrene (C19.36)

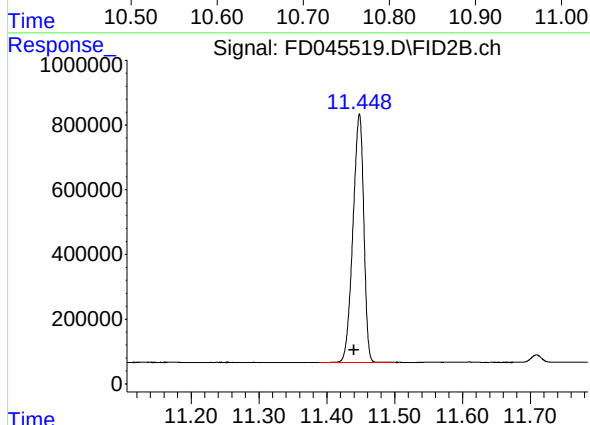
R.T.: 10.678 min
Delta R.T.: 0.008 min
Response: 7183713
Conc: 49.58 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2



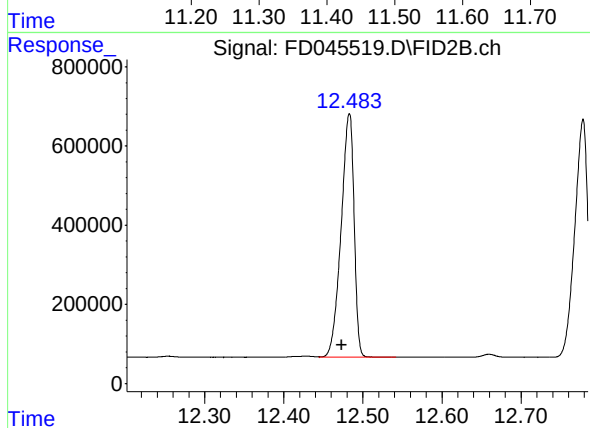
#10 Anthracene (C19.43)

R.T.: 10.751 min
Delta R.T.: 0.009 min
Response: 6061639
Conc: 49.81 ug/ml



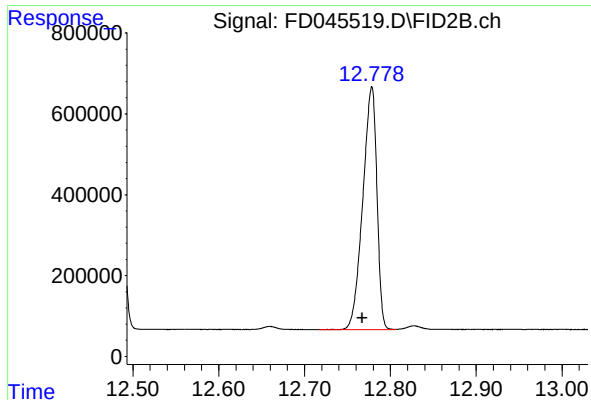
#11 ortho-Terphenyl (SURR)

R.T.: 11.448 min
Delta R.T.: 0.008 min
Response: 8532782
Conc: 49.51 ug/ml



#12 Fluoranthene (C21.85)

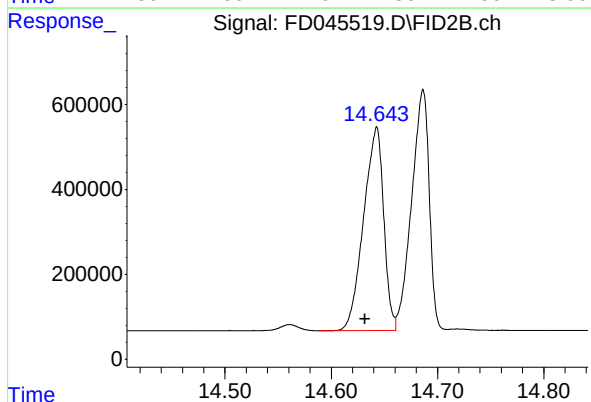
R.T.: 12.482 min
Delta R.T.: 0.010 min
Response: 7024884
Conc: 49.39 ug/ml



#13 Pyrene (C20.8)

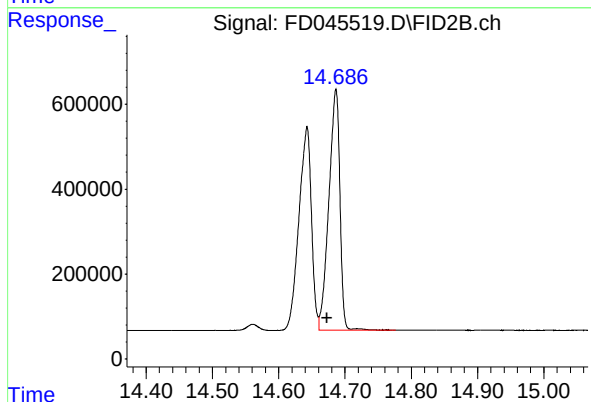
R.T.: 12.778 min
Delta R.T.: 0.010 min
Response: 6868976
Conc: 49.43 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2



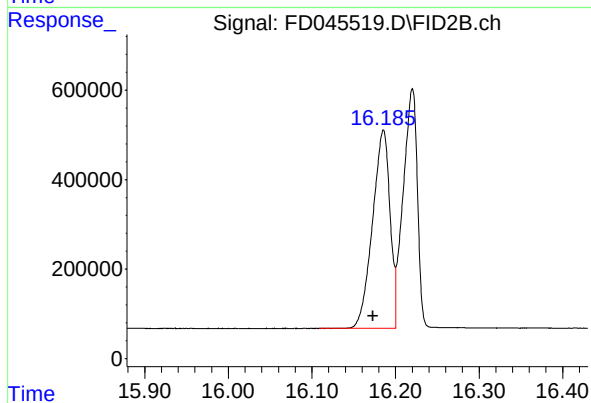
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.642 min
Delta R.T.: 0.011 min
Response: 6311335
Conc: 49.74 ug/ml



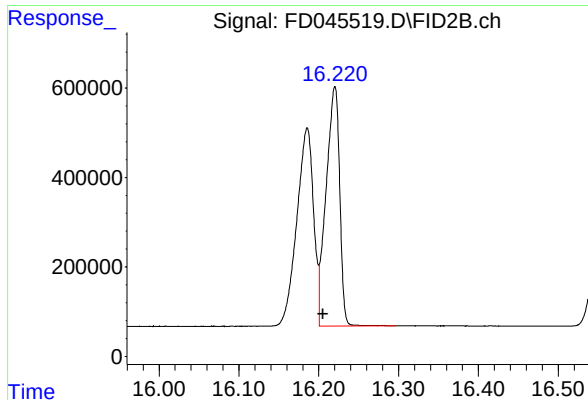
#15 Chrysene (C27.41)

R.T.: 14.686 min
Delta R.T.: 0.013 min
Response: 6588866
Conc: 49.88 ug/ml



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

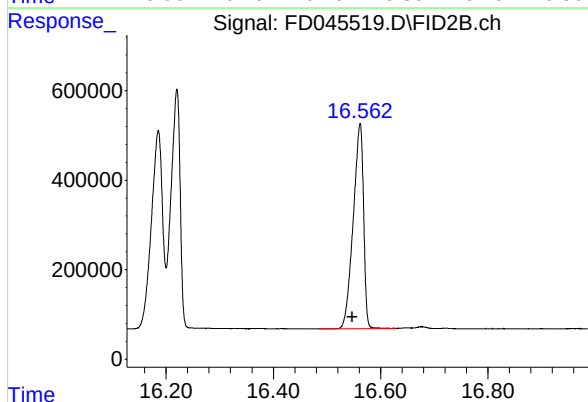
R.T.: 16.185 min
Delta R.T.: 0.012 min
Response: 6445150
Conc: 49.57 ug/ml



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

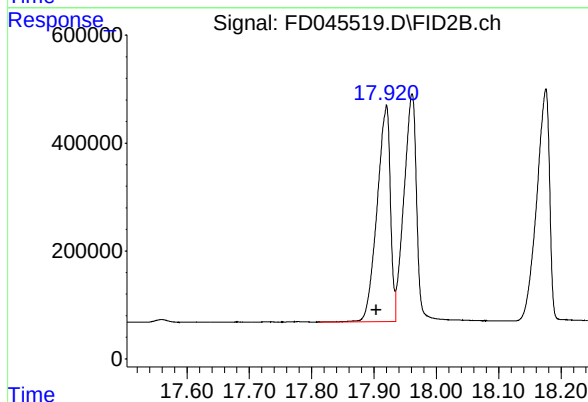
R.T.: 16.220 min
Delta R.T.: 0.014 min
Response: 6344565
Conc: 49.41 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2



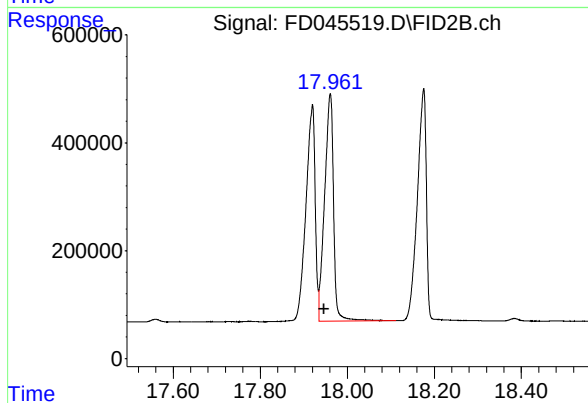
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.561 min
Delta R.T.: 0.014 min
Response: 6148874
Conc: 49.59 ug/ml



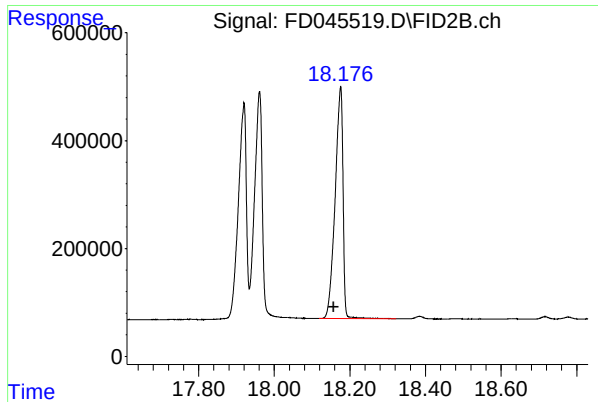
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.919 min
Delta R.T.: 0.015 min
Response: 5952471
Conc: 50.30 ug/ml



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

R.T.: 17.961 min
Delta R.T.: 0.014 min
Response: 6032223
Conc: 50.42 ug/ml



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

R.T.: 18.175 min

Delta R.T.: 0.018 min

Response: 6227182

Conc: 50.02 ug/ml

Instrument :

FID_D

ClientSampleId :

50 PPM AROMATIC HC STD2

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD042123AR\
Data File : FD045519.D
Signal(s) : FID2B.ch
Acq On : 21 Apr 2023 16:17
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 042123.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	4.359	4.312	4.405	BV	936034	7878471	92.33%	5.479%
2	5.891	5.860	5.968	BB	912050	8121726	95.18%	5.648%
3	6.941	6.895	7.005	BB	843246	8092617	94.84%	5.628%
4	7.551	7.507	7.620	BB	722463	6932853	81.25%	4.821%
5	8.212	8.177	8.283	BB	732057	7258818	85.07%	5.048%
6	8.408	8.372	8.468	BV	450315	4528106	53.07%	3.149%
7	8.508	8.468	8.562	VB	782129	7788636	91.28%	5.416%
8	9.286	9.238	9.353	BB	731591	7472257	87.57%	5.196%
9	10.678	10.644	10.718	VV	672891	7183713	84.19%	4.996%
10	10.751	10.718	10.808	VV	570084	6061639	71.04%	4.215%
11	11.448	11.388	11.502	BB	771940	8532782	100.00%	5.934%
12	12.482	12.445	12.542	VB	613663	7024884	82.33%	4.885%
13	12.778	12.717	12.806	BV	603734	6868976	80.50%	4.777%
14	14.642	14.588	14.661	PV	476720	6311335	73.97%	4.389%
15	14.686	14.661	14.777	VB	565187	6588866	77.22%	4.582%
16	16.185	16.108	16.200	BV	443061	6445150	75.53%	4.482%
17	16.220	16.200	16.297	VB	536996	6344565	74.36%	4.412%
18	16.561	16.485	16.628	BV	460783	6148874	72.06%	4.276%
19	17.919	17.812	17.935	BV	394378	5952471	69.76%	4.140%
20	17.961	17.935	18.112	VB	421797	6032223	70.69%	4.195%
21	18.175	18.118	18.322	BB	429615	6227182	72.98%	4.331%
Sum of corrected areas:						143796144		

Aromatic EPH 042123.M Sat Apr 22 04:00:24 2023

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD042123AR\
 Data File : FD045520.D
 Signal(s) : FID2B.ch
 Acq On : 21 Apr 2023 16:57
 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: Apr 22 03:32:38 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 042123.M
 Quant Title : GC Extractables
 QLast Update : Fri Apr 21 18:47:55 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...	7.546	2805494	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
6) S 2-Fluorobiphenyl (SURR)	8.401	1815164	20.000 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	40.00%
11) S ortho-Terphenyl (SURR)	11.440	3457538	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.355	3261888	20.000 ug/ml
2) T Naphthalene (C11.7)	5.886	3322523	20.000 ug/ml
3) T 2-Methylnaphthalene (...)	6.934	3287849	20.000 ug/ml
5) T Acenaphthylene (C15.06)	8.205	2930957	20.000 ug/ml
7) T Acenaphthene (C15.5)	8.501	3144529	20.000 ug/ml
8) T Fluorene (C16.55)	9.278	2997443	20.000 ug/ml
9) T Phenanthrene (C19.36)	10.669	2881568	20.000 ug/ml
10) T Anthracene (C19.43)	10.742	2512827	20.000 ug/ml
12) T Fluoranthene (C21.85)	12.473	2843680	20.000 ug/ml
13) T Pyrene (C20.8)	12.767	2773714	20.000 ug/ml
14) T Benzo[a]anthracene (C...	14.632	2544507	20.000 ug/ml
15) T Chrysene (C27.41)	14.673	2634605	20.000 ug/ml
16) T benzo[b]fluoranthene ...	16.173	2603735	20.000 ug/ml
17) T Bnezo[k]fluoranthene ...	16.205	2618142	20.000 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.547	2504226	20.000 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.904	2449372	20.000 ug/ml
20) T Dibenz[a,h]anthracene...	17.946	2680006	20.000 ug/ml
21) T Benzo[g,h,i]perylene ...	18.157	2568983	20.000 ug/ml

(f)=RT Delta > 1/2 Window

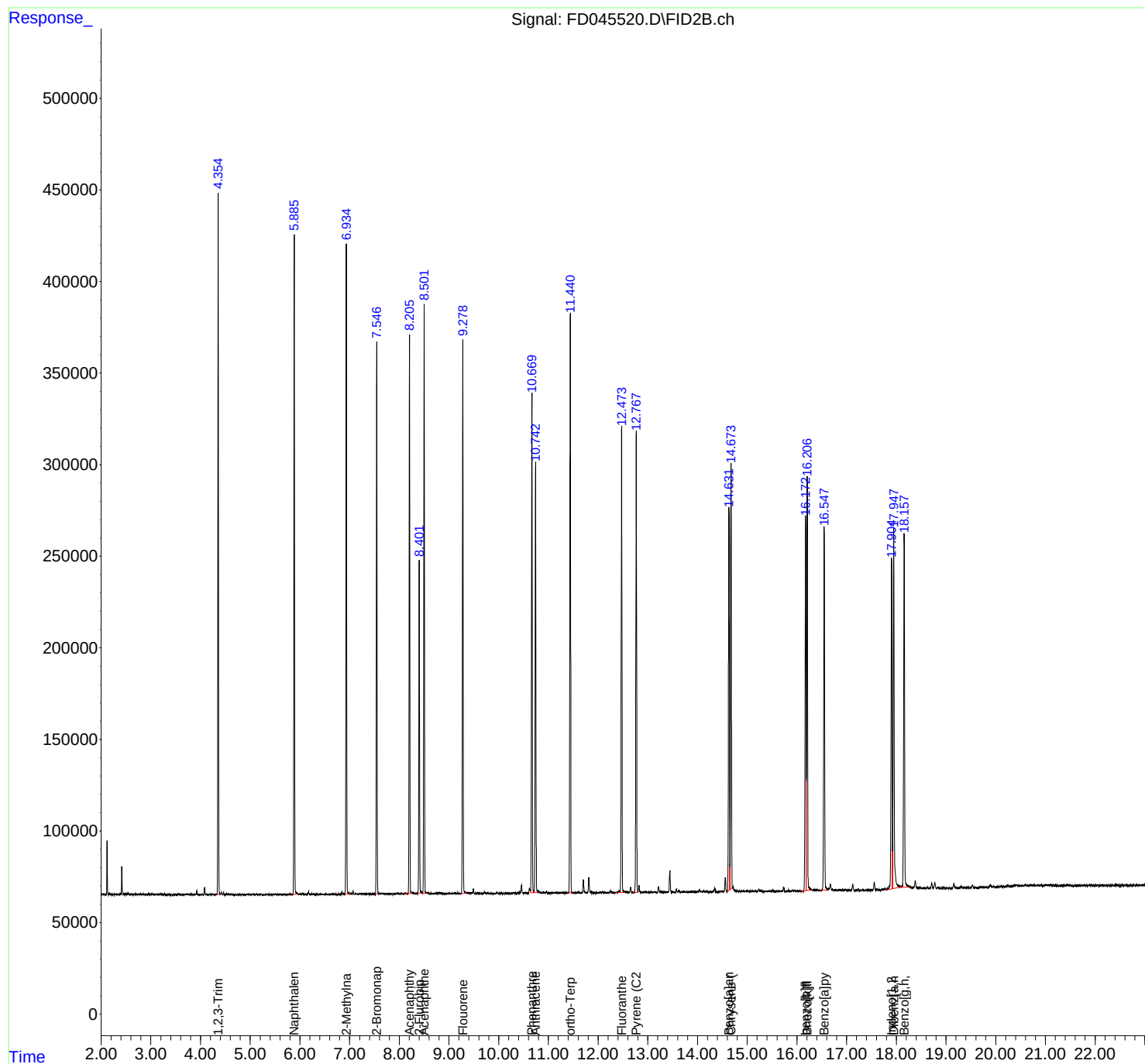
(m)=manual int.

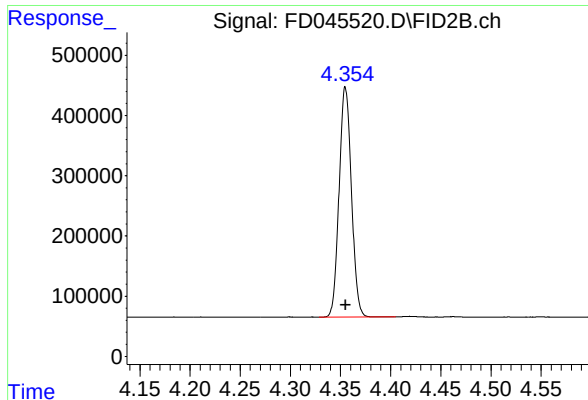
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD042123AR\
Data File : FD045520.D
Signal(s) : FID2B.ch
Acq On : 21 Apr 2023 16:57
Operator : YP/AJ
Sample : 20 PPM AROMATIC HC STD3
Misc :
ALS Vial : 58 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3

Integration File: autoint1.e
Quant Time: Apr 22 03:32:38 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 042123.M
Quant Title : GC Extractables
QLast Update : Fri Apr 21 18:47:55 2023
Response via : Initial Calibration
Integrator: ChemStation

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

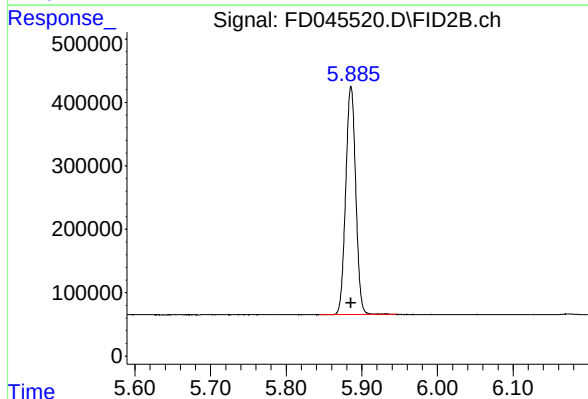




#1 1,2,3-Trimethylbenzene (C10.1)

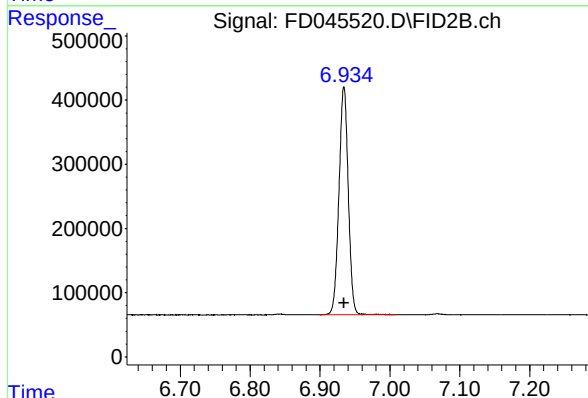
R.T.: 4.355 min
Delta R.T.: 0.000 min
Response: 3261888
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3



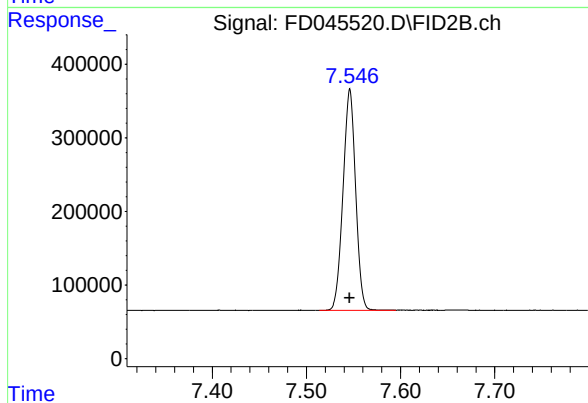
#2 Naphthalene (C11.7)

R.T.: 5.886 min
Delta R.T.: 0.000 min
Response: 3322523
Conc: 20.00 ug/ml



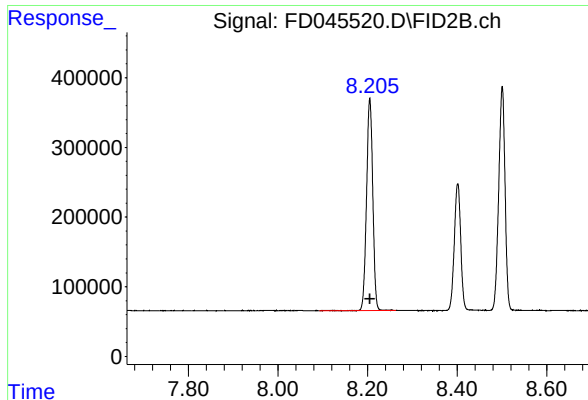
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.934 min
Delta R.T.: 0.000 min
Response: 3287849
Conc: 20.00 ug/ml



#4 2-Bromonaphthalene (SURR)

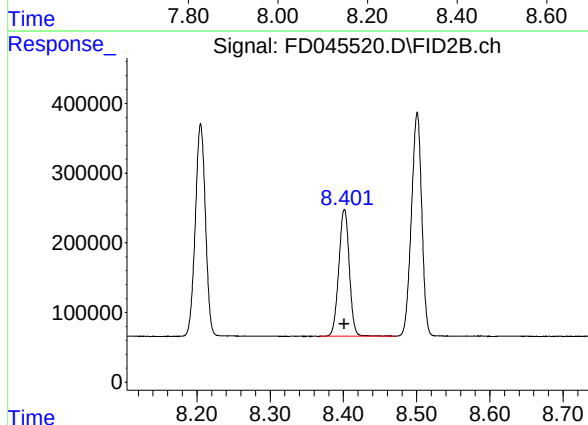
R.T.: 7.546 min
Delta R.T.: 0.000 min
Response: 2805494
Conc: 20.00 ug/ml



#5 Acenaphthylene (C15.06)

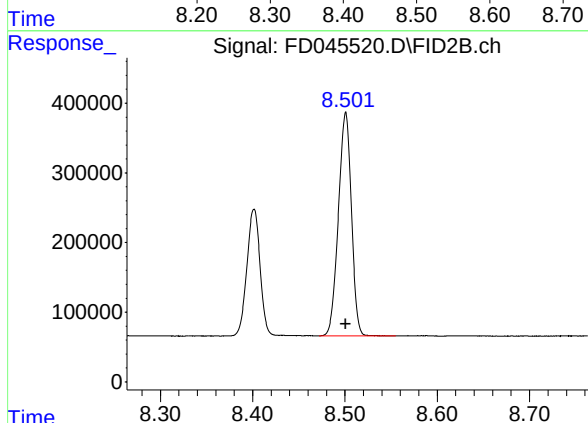
R.T.: 8.205 min
Delta R.T.: 0.000 min
Response: 2930957
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3



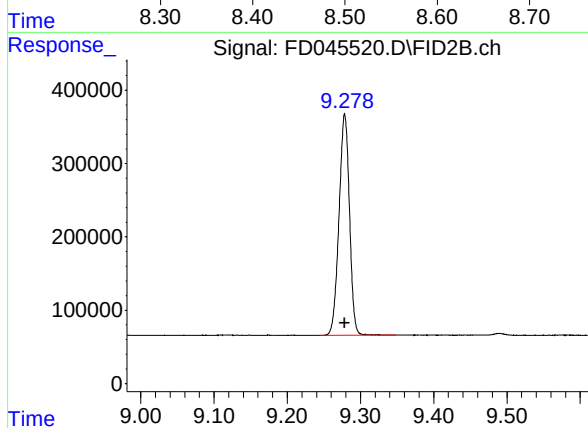
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.401 min
Delta R.T.: 0.000 min
Response: 1815164
Conc: 20.00 ug/ml



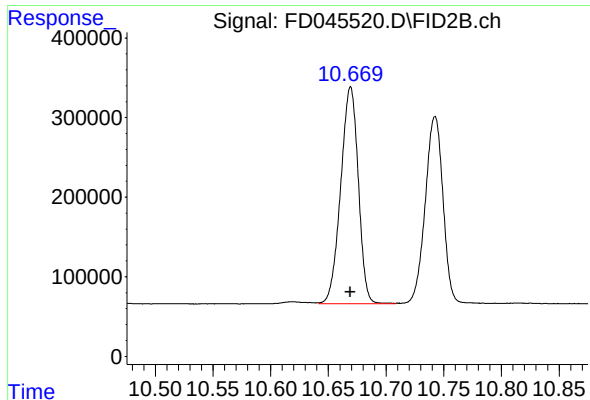
#7 Acenaphthene (C15.5)

R.T.: 8.501 min
Delta R.T.: 0.000 min
Response: 3144529
Conc: 20.00 ug/ml



#8 Flouorene (C16.55)

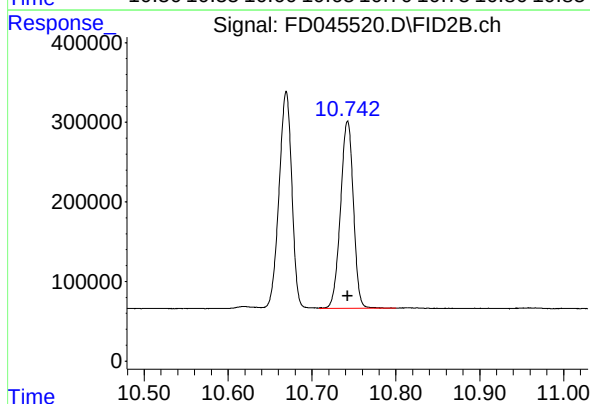
R.T.: 9.278 min
Delta R.T.: 0.000 min
Response: 2997443
Conc: 20.00 ug/ml



#9 Phenanthrene (C19.36)

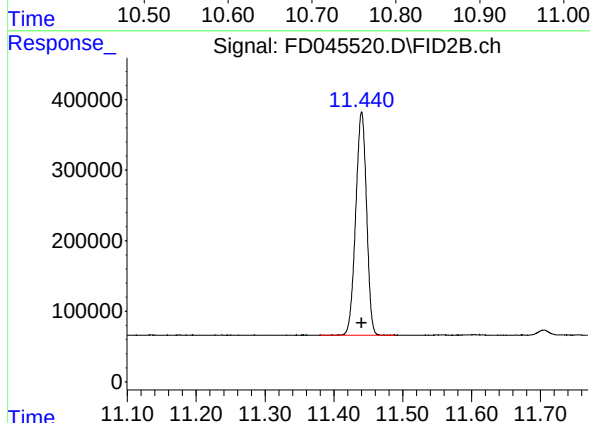
R.T.: 10.669 min
Delta R.T.: 0.000 min
Response: 2881568
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3



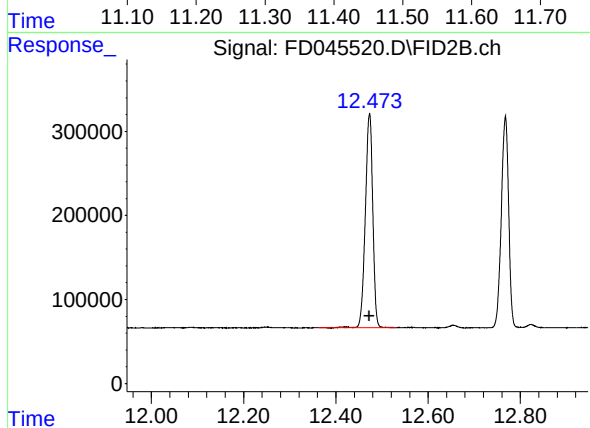
#10 Anthracene (C19.43)

R.T.: 10.742 min
Delta R.T.: 0.000 min
Response: 2512827
Conc: 20.00 ug/ml



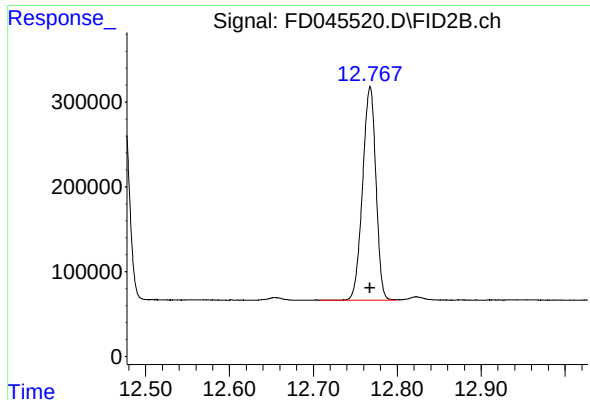
#11 ortho-Terphenyl (SURR)

R.T.: 11.440 min
Delta R.T.: 0.000 min
Response: 3457538
Conc: 20.00 ug/ml



#12 Fluoranthene (C21.85)

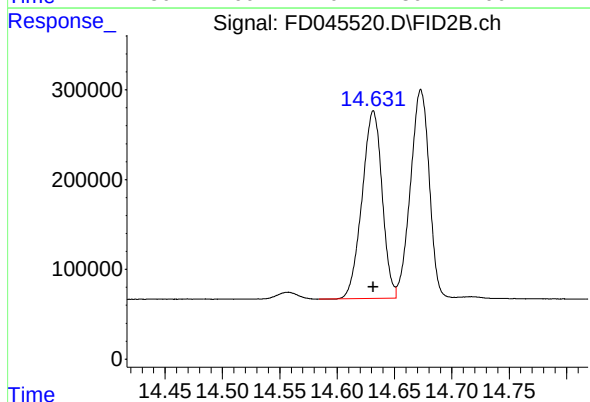
R.T.: 12.473 min
Delta R.T.: 0.000 min
Response: 2843680
Conc: 20.00 ug/ml



#13 Pyrene (C20.8)

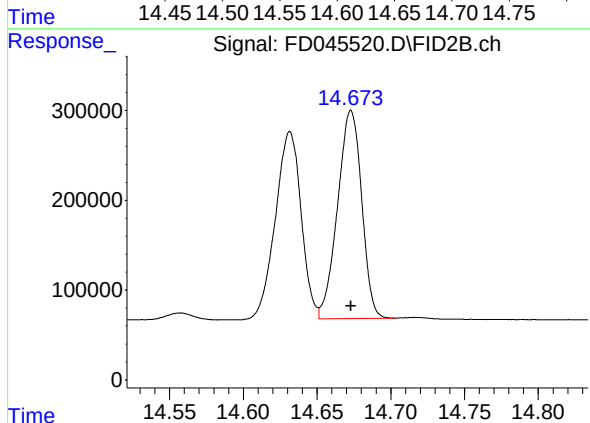
R.T.: 12.767 min
Delta R.T.: 0.000 min
Response: 2773714
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3



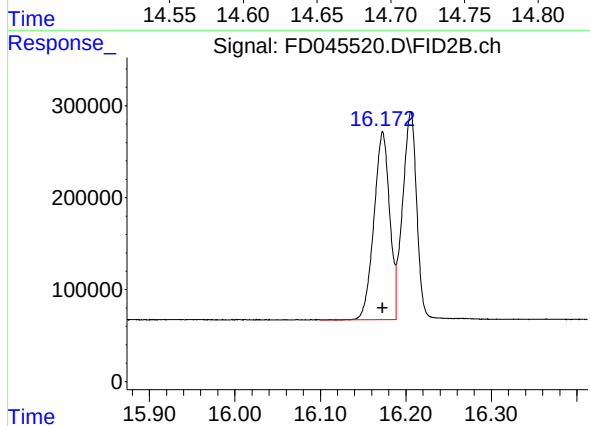
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.632 min
Delta R.T.: 0.000 min
Response: 2544507
Conc: 20.00 ug/ml



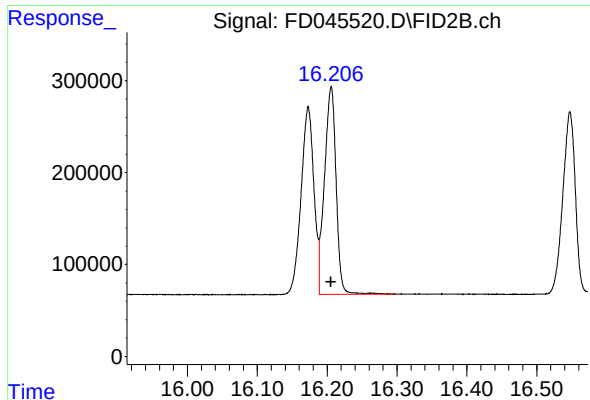
#15 Chrysene (C27.41)

R.T.: 14.673 min
Delta R.T.: 0.000 min
Response: 2634605
Conc: 20.00 ug/ml



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

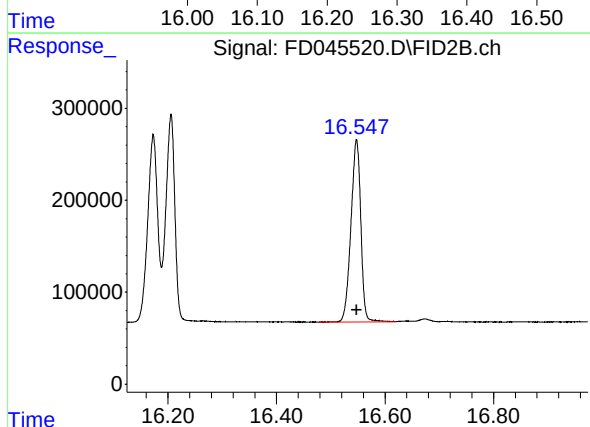
R.T.: 16.173 min
Delta R.T.: 0.000 min
Response: 2603735
Conc: 20.00 ug/ml



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

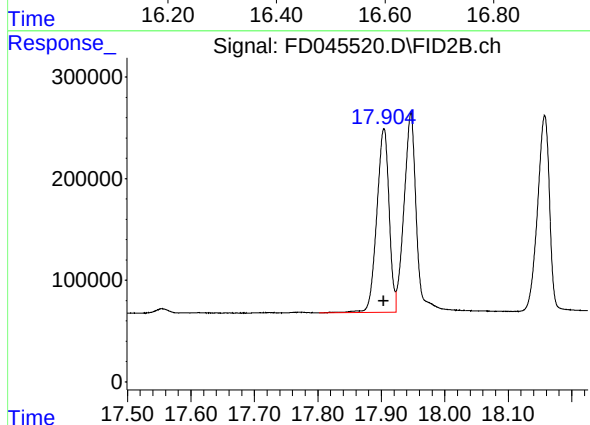
R.T.: 16.205 min
Delta R.T.: 0.000 min
Response: 2618142
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3



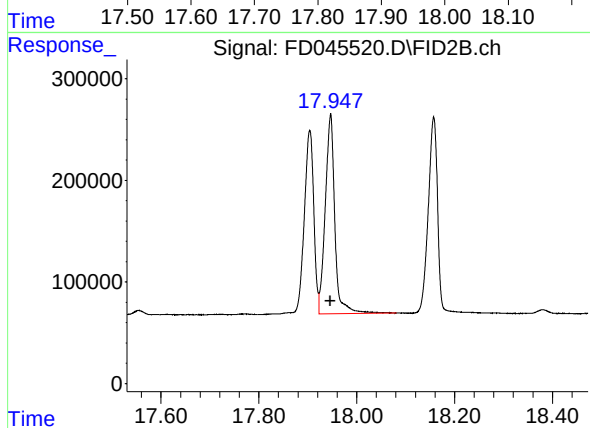
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.547 min
Delta R.T.: 0.000 min
Response: 2504226
Conc: 20.00 ug/ml



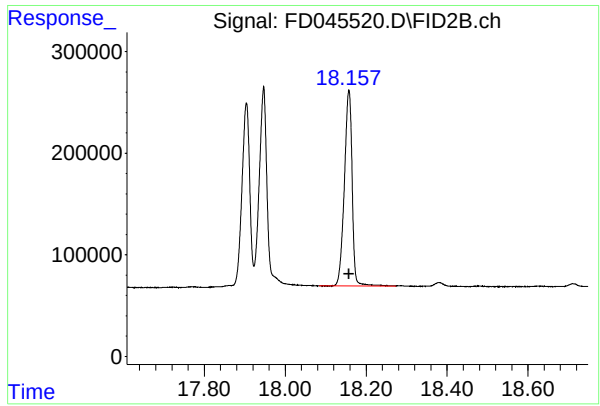
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.904 min
Delta R.T.: 0.000 min
Response: 2449372
Conc: 20.00 ug/ml



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

R.T.: 17.946 min
Delta R.T.: 0.000 min
Response: 2680006
Conc: 20.00 ug/ml



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

R.T.: 18.157 min
Delta R.T.: 0.000 min
Response: 2568983
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\FD042123AR\
 Data File : FD045520.D
 Signal(s) : FID2B.ch
 Acq On : 21 Apr 2023 16:57
 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 042123.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	4.355	4.329	4.405	BB	381181	3261888	94.34%	5.563%
2	5.886	5.844	5.945	BB	359965	3322523	96.10%	5.666%
3	6.934	6.899	7.009	BB	355993	3287849	95.09%	5.607%
4	7.546	7.514	7.595	BB	302162	2805494	81.14%	4.784%
5	8.205	8.092	8.264	BB	304801	2930957	84.77%	4.998%
6	8.401	8.367	8.472	BB	182389	1815164	52.50%	3.096%
7	8.501	8.472	8.555	BB	320400	3144529	90.95%	5.363%
8	9.278	9.244	9.348	BB	302205	2997443	86.69%	5.112%
9	10.669	10.642	10.709	VV	272353	2881568	83.34%	4.914%
10	10.742	10.709	10.800	VV	235089	2512827	72.68%	4.285%
11	11.440	11.379	11.490	BB	316478	3457538	100.00%	5.896%
12	12.473	12.364	12.530	BB	255420	2843680	82.25%	4.849%
13	12.767	12.707	12.799	BV	251020	2773714	80.22%	4.730%
14	14.632	14.584	14.651	PV	209493	2544507	73.59%	4.339%
15	14.673	14.651	14.703	VV	232075	2634605	76.20%	4.493%
16	16.173	16.099	16.188	BV	204615	2603735	75.31%	4.440%
17	16.205	16.188	16.299	VB	225572	2618142	75.72%	4.465%
18	16.547	16.479	16.620	BV	198385	2504226	72.43%	4.271%
19	17.904	17.802	17.923	BV	180787	2449372	70.84%	4.177%
20	17.946	17.923	18.080	VB	197616	2680006	77.51%	4.570%
21	18.157	18.084	18.274	BB	192906	2568983	74.30%	4.381%
Sum of corrected areas:							58638749	

Aromatic EPH 042123.M Sat Apr 22 04:00:51 2023

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD042123AR\
 Data File : FD045521.D
 Signal(s) : FID2B.ch
 Acq On : 21 Apr 2023 18:17
 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: Apr 22 03:40:33 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 042123.M
 Quant Title : GC Extractables
 QLast Update : Sat Apr 22 03:40:26 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...	7.545	1539161	10.738 ug/ml
Spiked Amount 50.000		Recovery =	21.48%
6) S 2-Fluorobiphenyl (SURR)	8.400	980942	10.552 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	21.10%
11) S ortho-Terphenyl (SURR)	11.438	1909582	10.789 ug/ml
Spiked Amount 50.000		Recovery =	21.58%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.355	1809898	10.977 ug/ml
2) T Naphthalene (C11.7)	5.885	1836512	10.863 ug/ml
3) T 2-Methylnaphthalene (...)	6.933	1815150	10.825 ug/ml
5) T Acenaphthylene (C15.06)	8.204	1612971	10.741 ug/ml
7) T Acenaphthene (C15.5)	8.499	1723056	10.708 ug/ml
8) T Fluorene (C16.55)	9.277	1623008	10.572 ug/ml
9) T Phenanthrene (C19.36)	10.667	1588301	10.705 ug/ml
10) T Anthracene (C19.43)	10.740	1414315	11.169 ug/ml
12) T Fluoranthene (C21.85)	12.470	1553772	10.678 ug/ml
13) T Pyrene (C20.8)	12.765	1523951	10.708 ug/ml
14) T Benzo[a]anthracene (C...	14.628	1393017	10.717 ug/ml
15) T Chrysene (C27.41)	14.670	1446619	10.697 ug/ml
16) T benzo[b]fluoranthene ...	16.168	1410290	10.622 ug/ml
17) T Bnezo[k]fluoranthene ...	16.200	1419091	10.769 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.544	1361838	10.720 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.899	1286359	10.639 ug/ml
20) T Dibenz[a,h]anthracene...	17.943	1459406	11.562 ug/ml
21) T Benzo[g,h,i]perylene ...	18.151	1400573	10.909 ug/ml

(f)=RT Delta > 1/2 Window

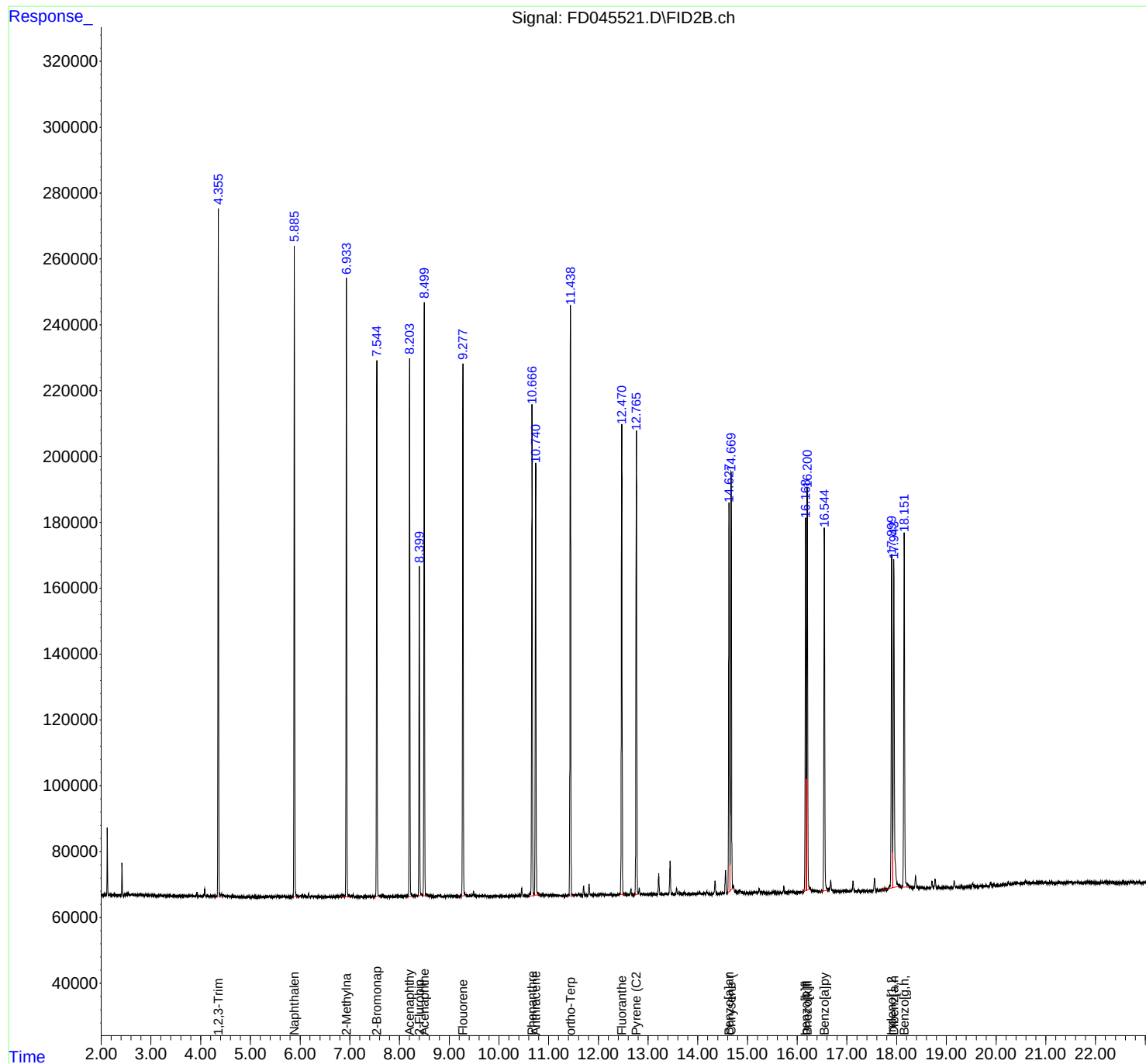
(m)=manual int.

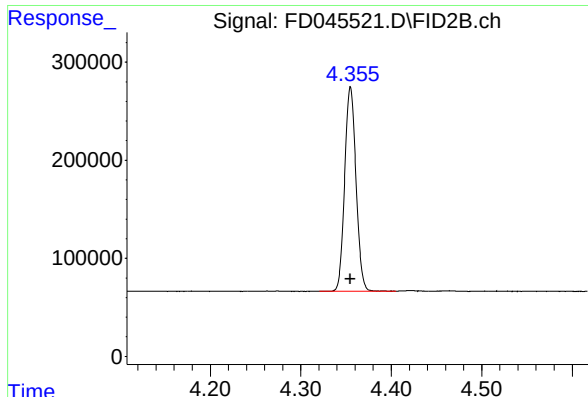
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD042123AR\
Data File : FD045521.D
Signal(s) : FID2B.ch
Acq On : 21 Apr 2023 18:17
Operator : YP/AJ
Sample : 10 PPM AROMATIC HC STD4
Misc :
ALS Vial : 59 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4

Integration File: autoint1.e
Quant Time: Apr 22 03:40:33 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 042123.M
Quant Title : GC Extractables
QLast Update : Sat Apr 22 03:40:26 2023
Response via : Initial Calibration
Integrator: ChemStation

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

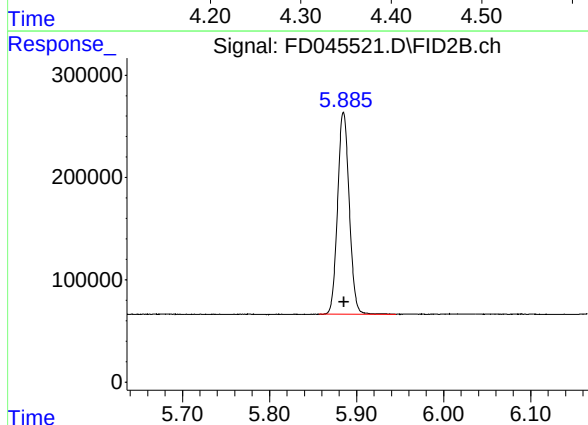




#1 1,2,3-Trimethylbenzene (C10.1)

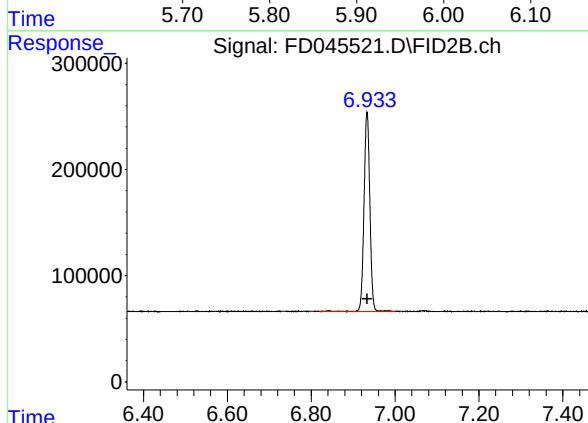
R.T.: 4.355 min
Delta R.T.: 0.000 min
Response: 1809898
Conc: 10.98 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4



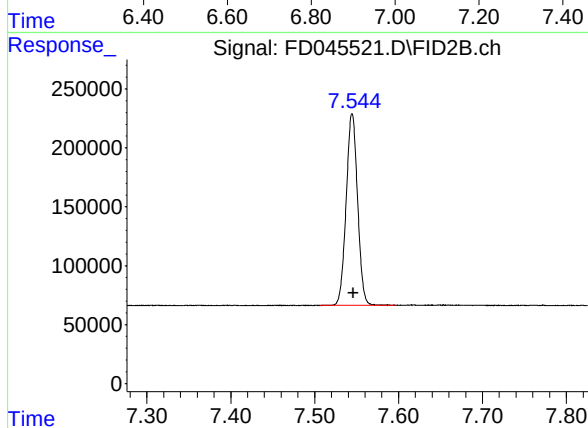
#2 Naphthalene (C11.7)

R.T.: 5.885 min
Delta R.T.: 0.000 min
Response: 1836512
Conc: 10.86 ug/ml



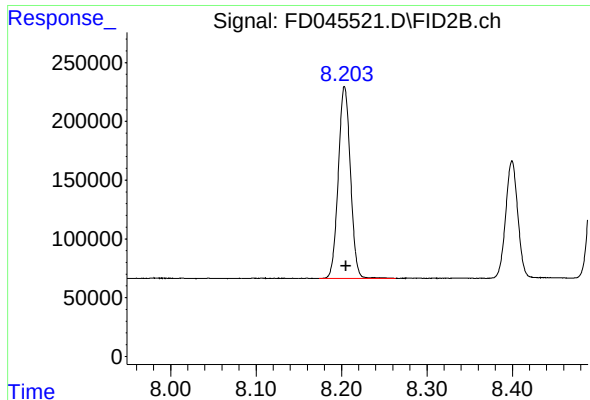
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.933 min
Delta R.T.: -0.001 min
Response: 1815150
Conc: 10.82 ug/ml



#4 2-Bromonaphthalene (SURR)

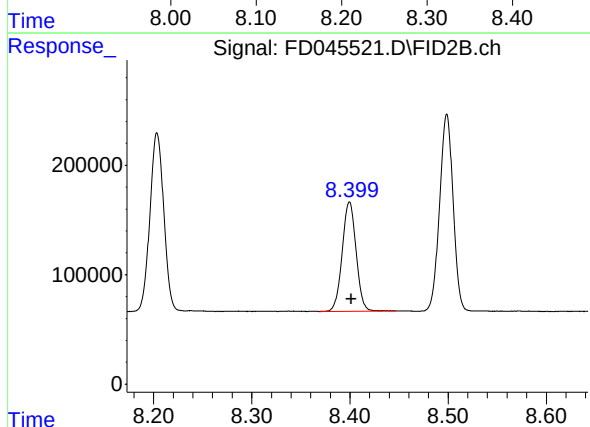
R.T.: 7.545 min
Delta R.T.: -0.001 min
Response: 1539161
Conc: 10.74 ug/ml



#5 Acenaphthylene (C15.06)

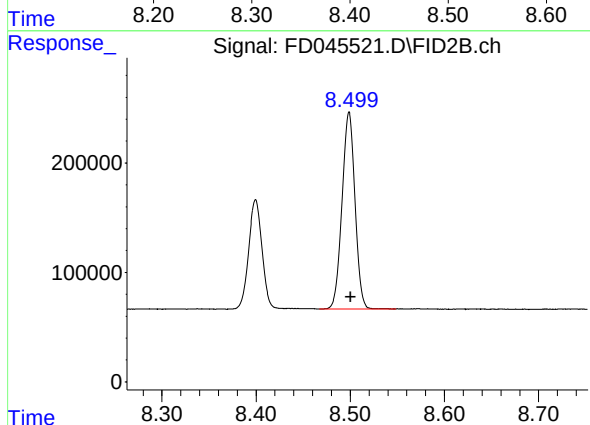
R.T.: 8.204 min
Delta R.T.: -0.002 min
Response: 1612971
Conc: 10.74 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4



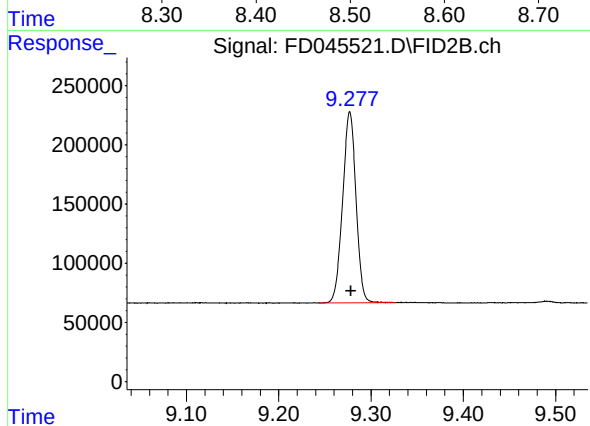
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.400 min
Delta R.T.: -0.002 min
Response: 980942
Conc: 10.55 ug/ml



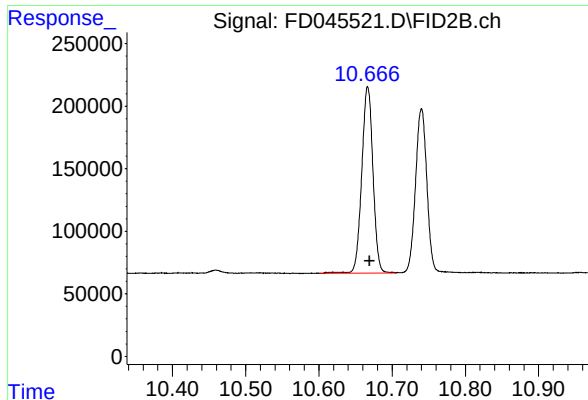
#7 Acenaphthene (C15.5)

R.T.: 8.499 min
Delta R.T.: -0.002 min
Response: 1723056
Conc: 10.71 ug/ml



#8 Flouorene (C16.55)

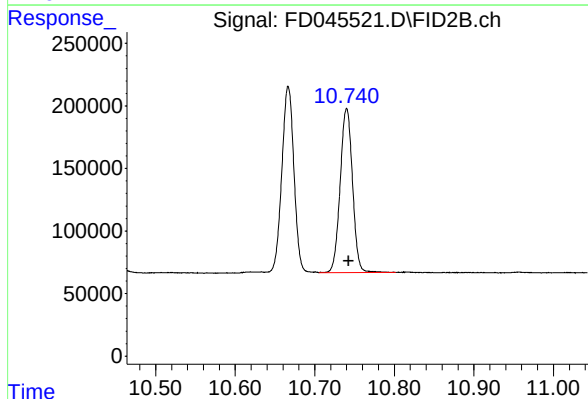
R.T.: 9.277 min
Delta R.T.: -0.001 min
Response: 1623008
Conc: 10.57 ug/ml



#9 Phenanthrene (C19.36)

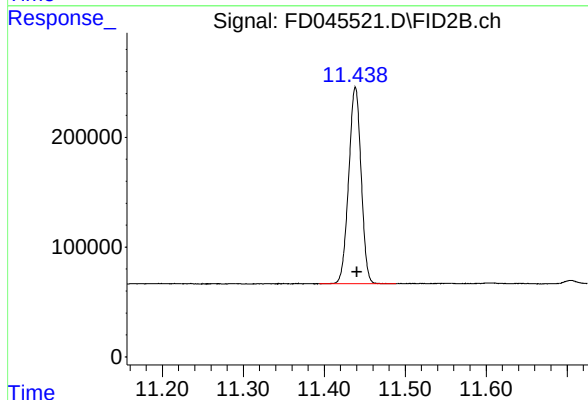
R.T.: 10.667 min
Delta R.T.: -0.002 min
Response: 1588301
Conc: 10.70 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4



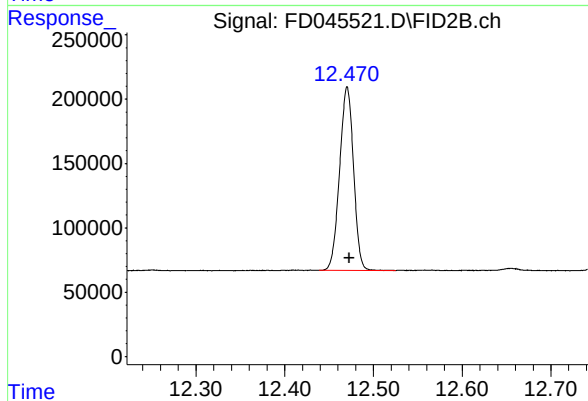
#10 Anthracene (C19.43)

R.T.: 10.740 min
Delta R.T.: -0.002 min
Response: 1414315
Conc: 11.17 ug/ml



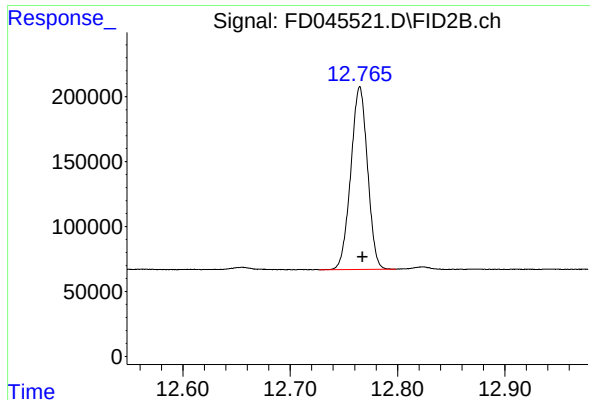
#11 ortho-Terphenyl (SURR)

R.T.: 11.438 min
Delta R.T.: -0.002 min
Response: 1909582
Conc: 10.79 ug/ml



#12 Fluoranthene (C21.85)

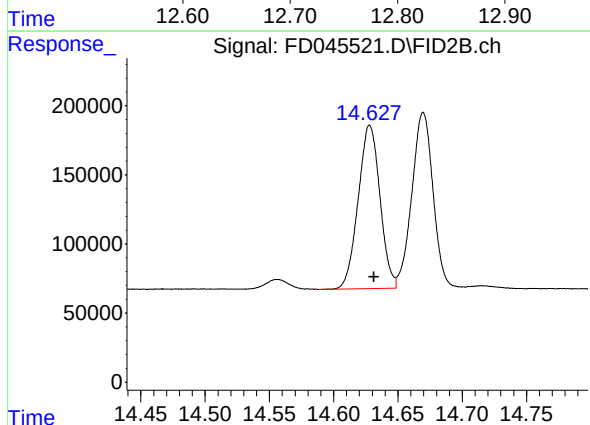
R.T.: 12.470 min
Delta R.T.: -0.002 min
Response: 1553772
Conc: 10.68 ug/ml



#13 Pyrene (C20.8)

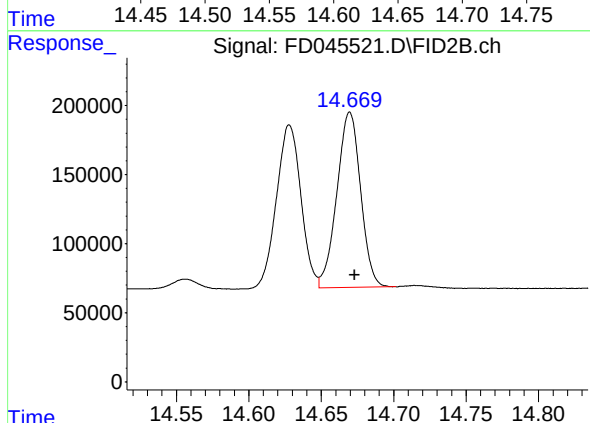
R.T.: 12.765 min
Delta R.T.: -0.003 min
Response: 1523951
Conc: 10.71 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4



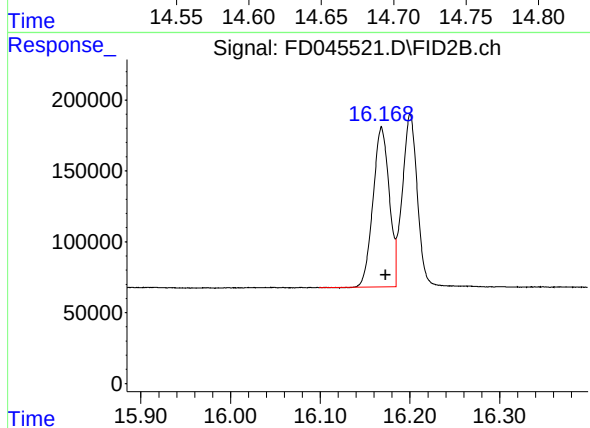
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.628 min
Delta R.T.: -0.003 min
Response: 1393017
Conc: 10.72 ug/ml



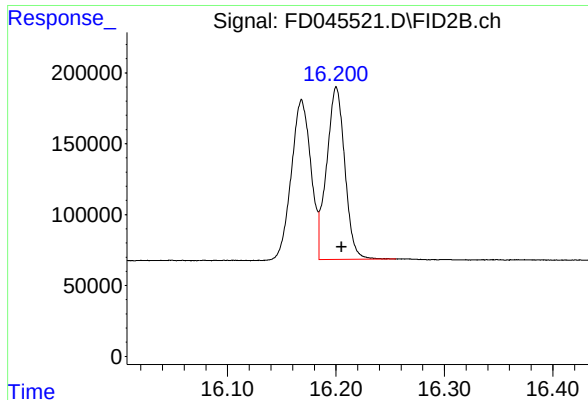
#15 Chrysene (C27.41)

R.T.: 14.670 min
Delta R.T.: -0.003 min
Response: 1446619
Conc: 10.70 ug/ml



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

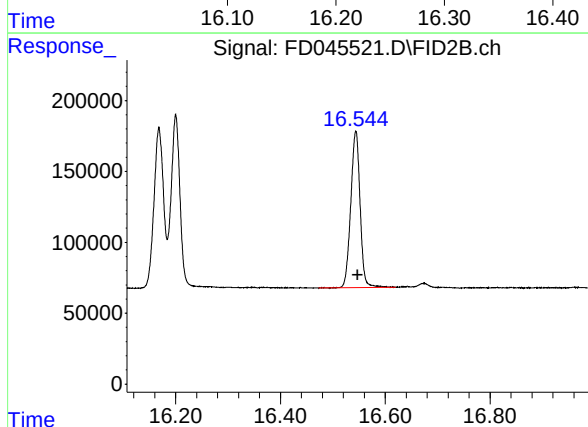
R.T.: 16.168 min
Delta R.T.: -0.004 min
Response: 1410290
Conc: 10.62 ug/ml



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

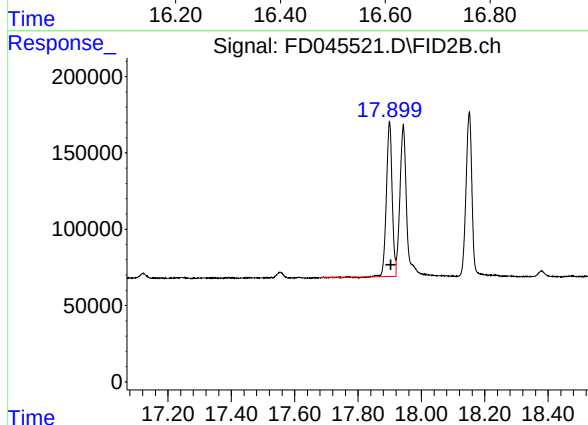
R.T.: 16.200 min
Delta R.T.: -0.005 min
Response: 1419091
Conc: 10.77 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4



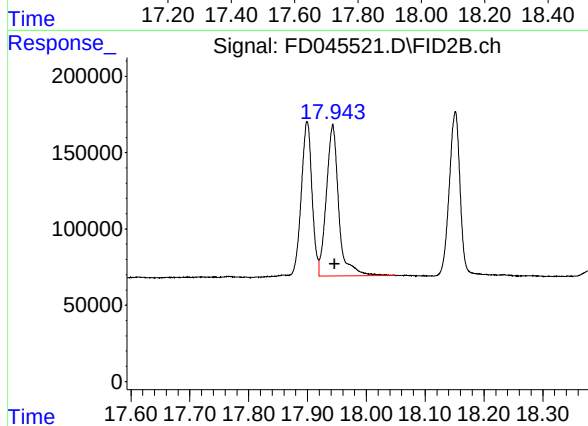
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.544 min
Delta R.T.: -0.004 min
Response: 1361838
Conc: 10.72 ug/ml



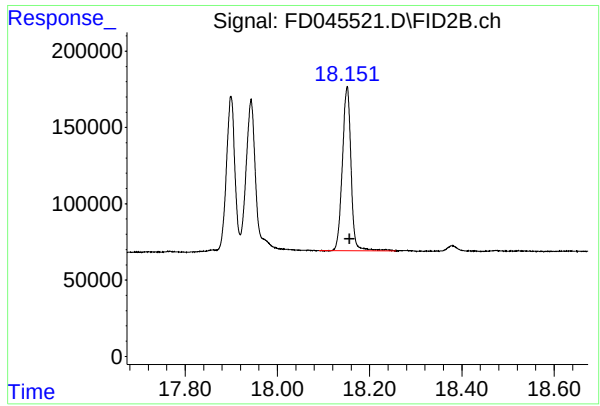
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.899 min
Delta R.T.: -0.005 min
Response: 1286359
Conc: 10.64 ug/ml



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

R.T.: 17.943 min
Delta R.T.: -0.003 min
Response: 1459406
Conc: 11.56 ug/ml



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

R.T.: 18.151 min
Delta R.T.: -0.006 min
Response: 1400573
Conc: 10.91 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD042123AR\
Data File : FD045521.D
Signal(s) : FID2B.ch
Acq On : 21 Apr 2023 18:17
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 042123.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	4.355	4.320	4.405	BB	208599	1809898	94.78%	5.637%
2	5.885	5.857	5.945	BB	197346	1836512	96.17%	5.720%
3	6.933	6.819	7.002	BB	188028	1815150	95.05%	5.653%
4	7.545	7.505	7.597	BB	162907	1539161	80.60%	4.794%
5	8.204	8.174	8.264	BB	163255	1612971	84.47%	5.024%
6	8.400	8.369	8.447	BB	100330	980942	51.37%	3.055%
7	8.499	8.467	8.549	BB	180282	1723056	90.23%	5.366%
8	9.277	9.244	9.327	BB	161579	1623008	84.99%	5.055%
9	10.667	10.600	10.705	BV	148942	1588301	83.18%	4.947%
10	10.740	10.705	10.802	VB	131256	1414315	74.06%	4.405%
11	11.438	11.394	11.489	BB	179347	1909582	100.00%	5.947%
12	12.470	12.439	12.525	BB	142860	1553772	81.37%	4.839%
13	12.765	12.727	12.799	BV	141147	1523951	79.81%	4.746%
14	14.628	14.589	14.648	PV	117972	1393017	72.95%	4.339%
15	14.670	14.648	14.702	VV	127036	1446619	75.76%	4.506%
16	16.168	16.099	16.184	BV	112851	1410290	73.85%	4.392%
17	16.200	16.184	16.255	VB	121879	1419091	74.31%	4.420%
18	16.544	16.474	16.620	BB	110414	1361838	71.32%	4.241%
19	17.899	17.677	17.920	BV	101718	1286359	67.36%	4.006%
20	17.943	17.920	18.050	VB	99835	1459406	76.43%	4.545%
21	18.151	18.090	18.257	BB	107078	1400573	73.34%	4.362%
Sum of corrected areas:							32107812	

Aromatic EPH 042123.M Sat Apr 22 04:01:16 2023

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD042123AR\
 Data File : FD045522.D
 Signal(s) : FID2B.ch
 Acq On : 21 Apr 2023 18:57
 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

Integration File: autoint1.e
 Quant Time: Apr 22 03:41:53 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 042123.M
 Quant Title : GC Extractables
 QLast Update : Sat Apr 22 03:41:43 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...	7.545	742968	5.146 ug/ml
Spiked Amount 50.000		Recovery =	10.29%
6) S 2-Fluorobiphenyl (SURR)	8.400	468073	5.028 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	10.06%
11) S ortho-Terphenyl (SURR)	11.439	931387	5.207 ug/ml
Spiked Amount 50.000		Recovery =	10.41%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.355	884952	5.289 ug/ml
2) T Naphthalene (C11.7)	5.886	896654	5.240 ug/ml
3) T 2-Methylnaphthalene (...)	6.934	869215	5.146 ug/ml
5) T Acenaphthylene (C15.06)	8.204	774485	5.125 ug/ml
7) T Acenaphthene (C15.5)	8.499	830757	5.129 ug/ml
8) T Fluorene (C16.55)	9.277	773974	5.033 ug/ml
9) T Phenanthrene (C19.36)	10.667	756767	5.080 ug/ml
10) T Anthracene (C19.43)	10.741	690334	5.355 ug/ml
12) T Fluoranthene (C21.85)	12.470	766327	5.211 ug/ml
13) T Pyrene (C20.8)	12.765	738117	5.148 ug/ml
14) T Benzo[a]anthracene (C...	14.628	666826	5.103 ug/ml
15) T Chrysene (C27.41)	14.669	701209	5.147 ug/ml
16) T benzo[b]fluoranthene ...	16.168	674629	5.065 ug/ml
17) T Bnezo[k]fluoranthene ...	16.199	707966	5.293 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.544	645816	5.067 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.899	672640	5.440 ug/ml
20) T Dibenz[a,h]anthracene...	17.942	820100	6.130 ug/ml
21) T Benzo[g,h,i]perylene ...	18.149	678053	5.222 ug/ml

(f)=RT Delta > 1/2 Window

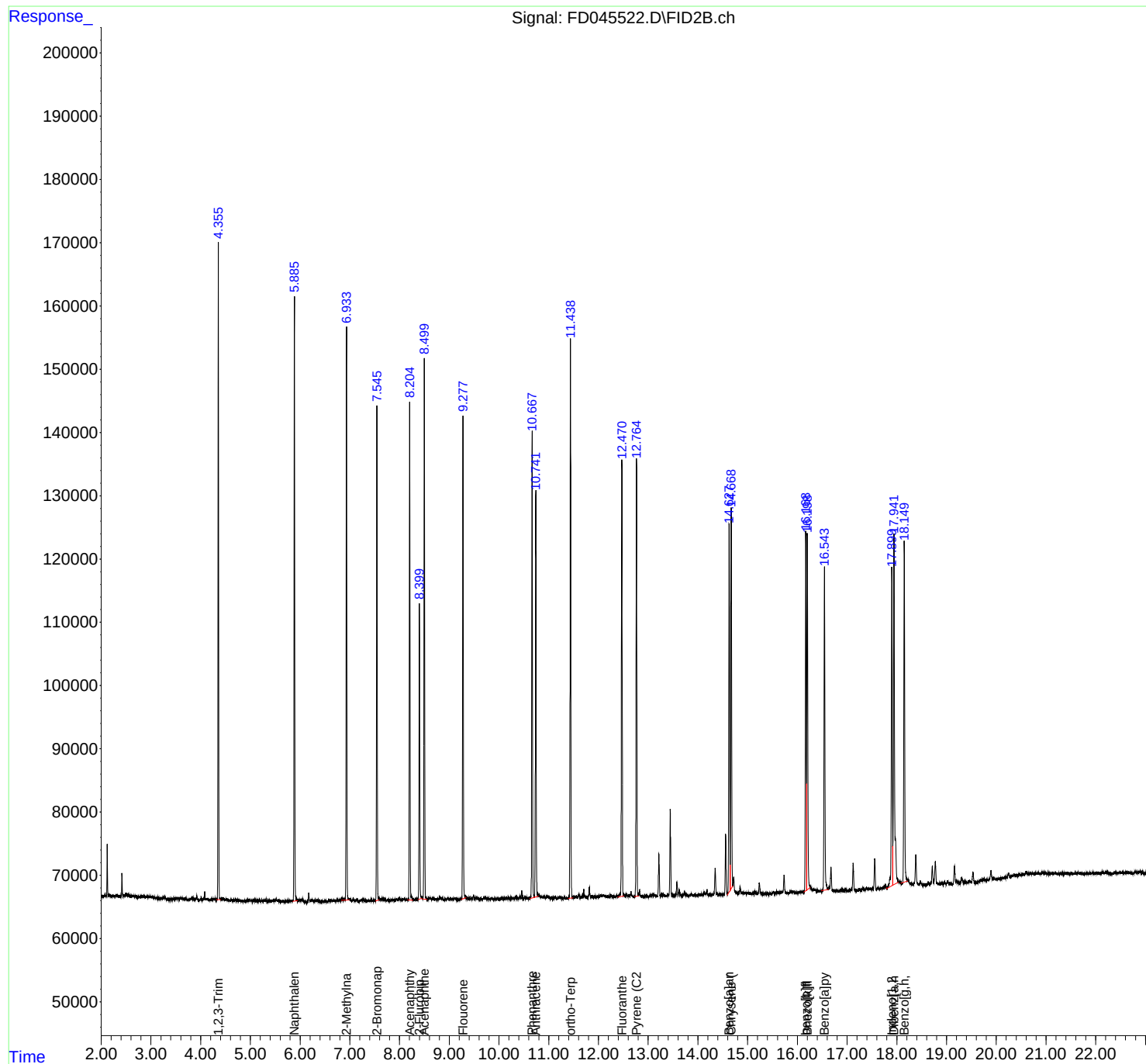
(m)=manual int.

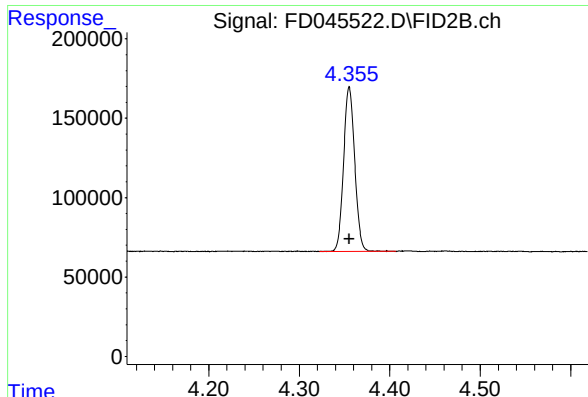
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD042123AR\
Data File : FD045522.D
Signal(s) : FID2B.ch
Acq On : 21 Apr 2023 18:57
Operator : YP/AJ
Sample : 5 PPM AROMATIC HC STD5
Misc :
ALS Vial : 60 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5

Integration File: autoint1.e
Quant Time: Apr 22 03:41:53 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 042123.M
Quant Title : GC Extractables
QLast Update : Sat Apr 22 03:41:43 2023
Response via : Initial Calibration
Integrator: ChemStation

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

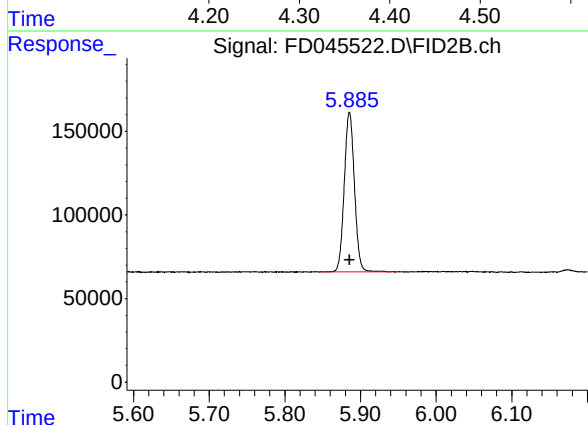




#1 1,2,3-Trimethylbenzene (C10.1)

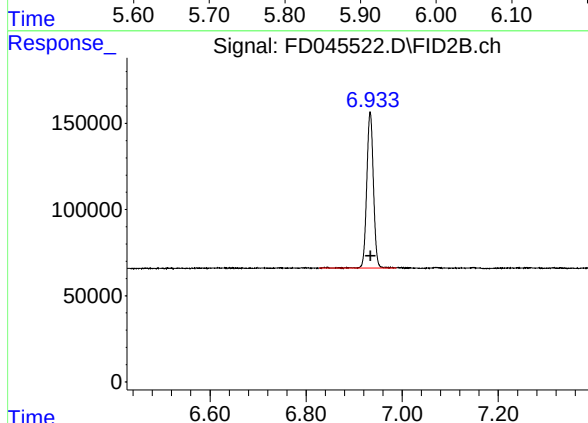
R.T.: 4.355 min
Delta R.T.: 0.000 min
Response: 884952
Conc: 5.29 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5



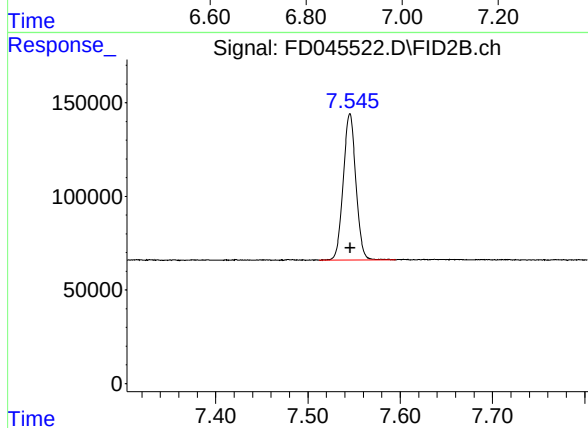
#2 Naphthalene (C11.7)

R.T.: 5.886 min
Delta R.T.: 0.000 min
Response: 896654
Conc: 5.24 ug/ml



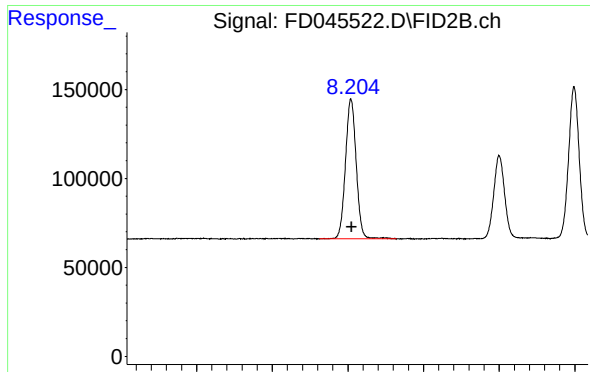
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.934 min
Delta R.T.: 0.000 min
Response: 869215
Conc: 5.15 ug/ml



#4 2-Bromonaphthalene (SURR)

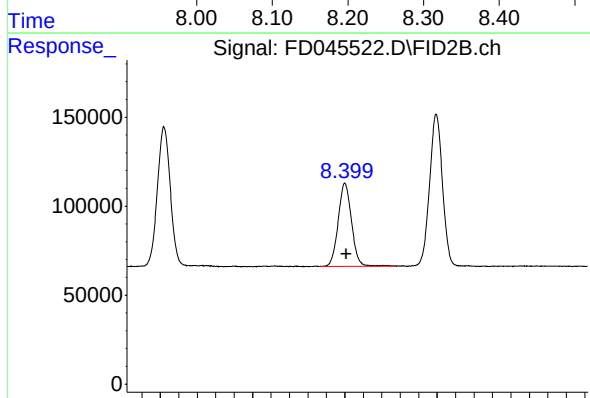
R.T.: 7.545 min
Delta R.T.: 0.000 min
Response: 742968
Conc: 5.15 ug/ml



#5 Acenaphthylene (C15.06)

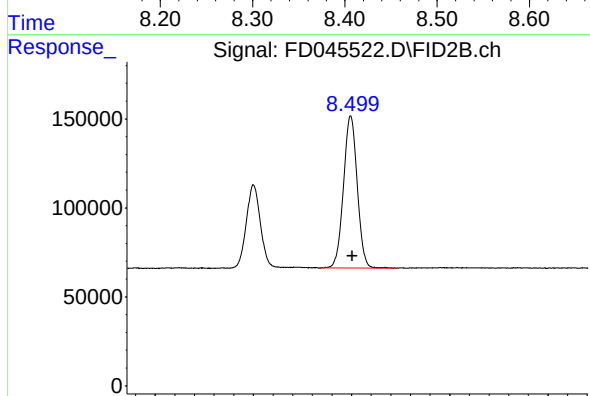
R.T.: 8.204 min
Delta R.T.: 0.000 min
Response: 774485
Conc: 5.13 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5



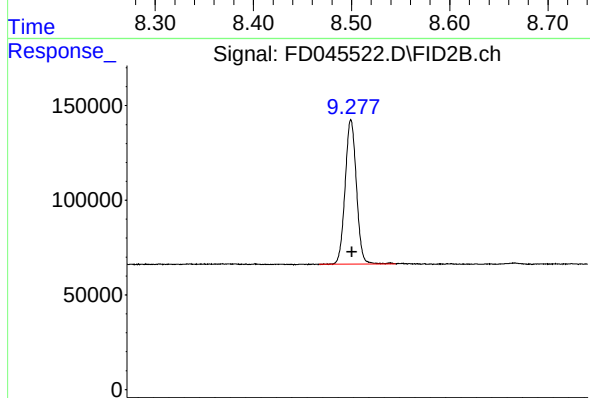
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.400 min
Delta R.T.: -0.001 min
Response: 468073
Conc: 5.03 ug/ml



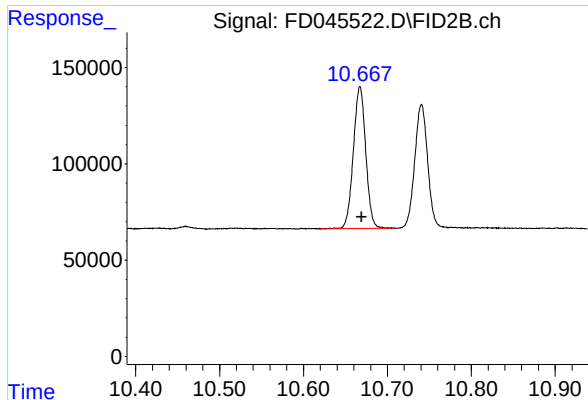
#7 Acenaphthene (C15.5)

R.T.: 8.499 min
Delta R.T.: -0.001 min
Response: 830757
Conc: 5.13 ug/ml



#8 Fluorene (C16.55)

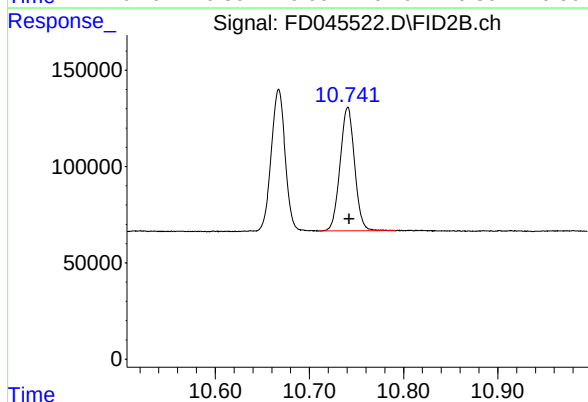
R.T.: 9.277 min
Delta R.T.: -0.002 min
Response: 773974
Conc: 5.03 ug/ml



#9 Phenanthrene (C19.36)

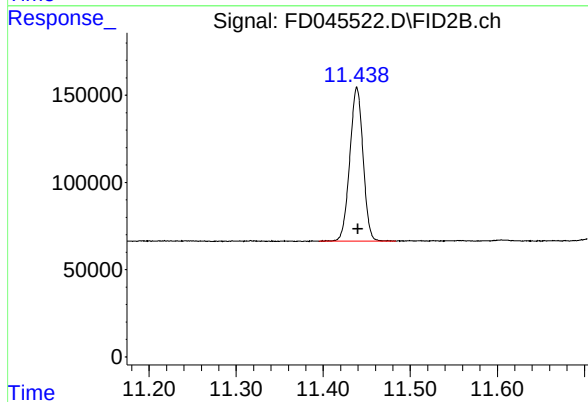
R.T.: 10.667 min
Delta R.T.: -0.002 min
Response: 756767
Conc: 5.08 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5



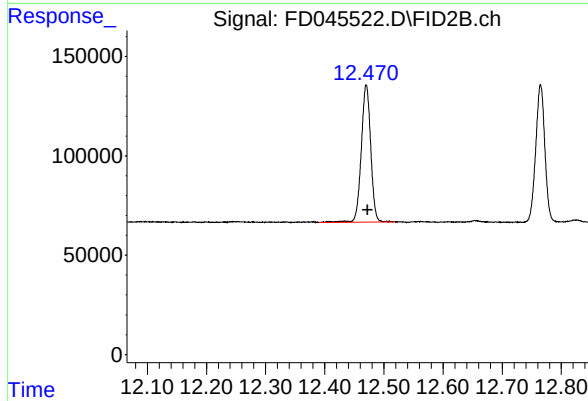
#10 Anthracene (C19.43)

R.T.: 10.741 min
Delta R.T.: -0.002 min
Response: 690334
Conc: 5.36 ug/ml



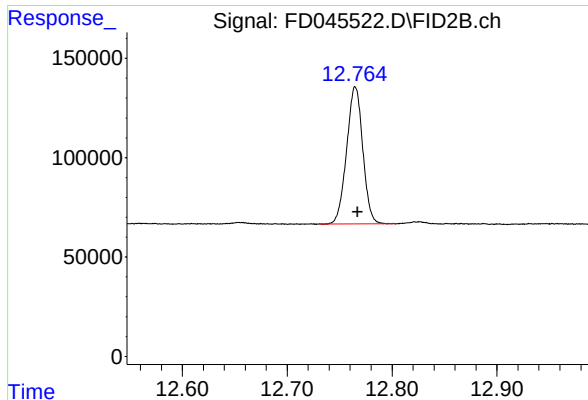
#11 ortho-Terphenyl (SURR)

R.T.: 11.439 min
Delta R.T.: -0.002 min
Response: 931387
Conc: 5.21 ug/ml



#12 Fluoranthene (C21.85)

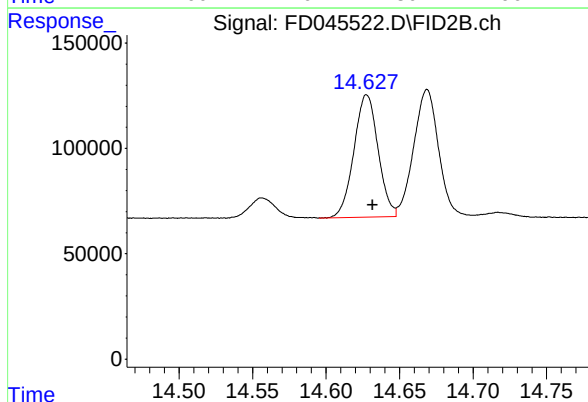
R.T.: 12.470 min
Delta R.T.: -0.003 min
Response: 766327
Conc: 5.21 ug/ml



#13 Pyrene (C20.8)

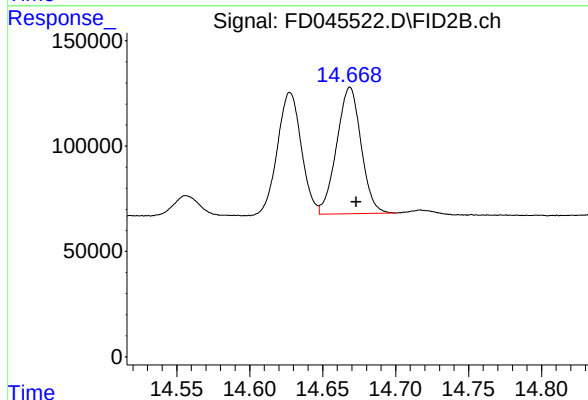
R.T.: 12.765 min
Delta R.T.: -0.002 min
Response: 738117
Conc: 5.15 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5



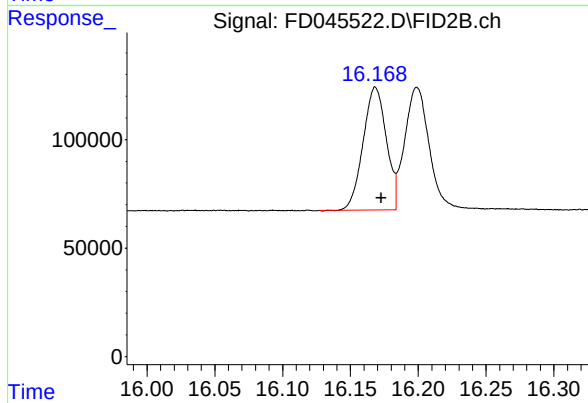
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.628 min
Delta R.T.: -0.004 min
Response: 666826
Conc: 5.10 ug/ml



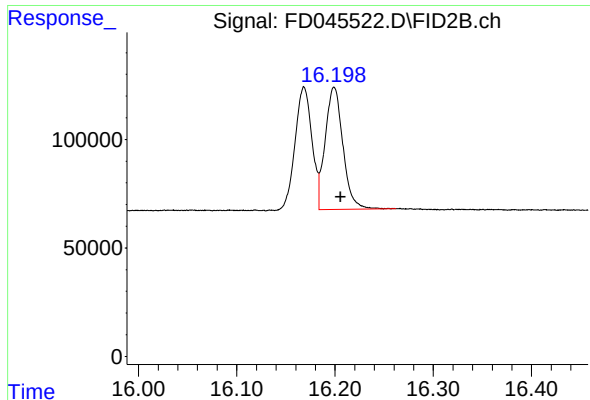
#15 Chrysene (C27.41)

R.T.: 14.669 min
Delta R.T.: -0.004 min
Response: 701209
Conc: 5.15 ug/ml



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

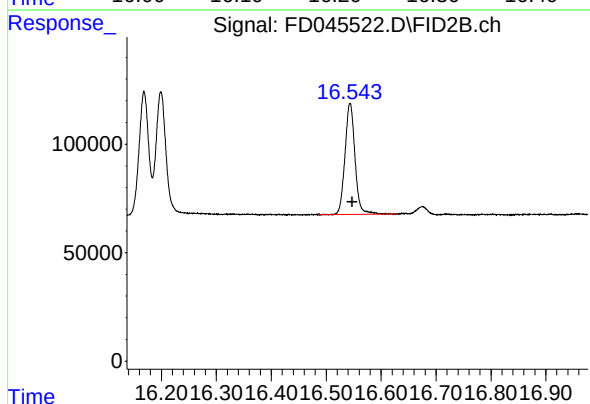
R.T.: 16.168 min
Delta R.T.: -0.004 min
Response: 674629
Conc: 5.06 ug/ml



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

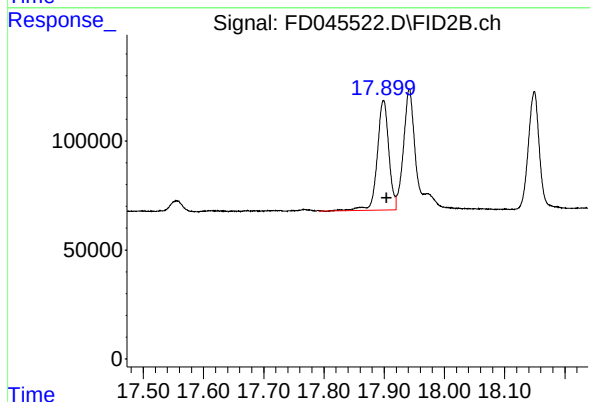
R.T.: 16.199 min
Delta R.T.: -0.006 min
Response: 707966
Conc: 5.29 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5



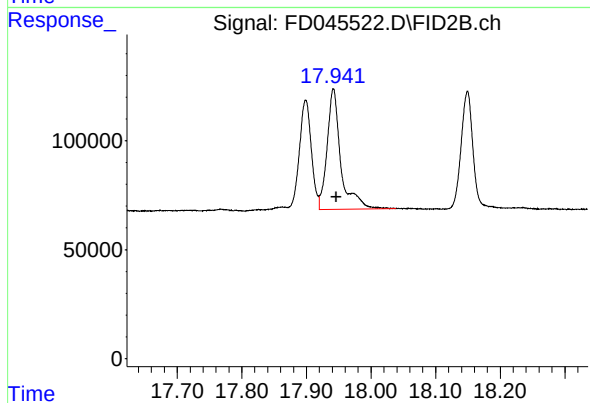
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.544 min
Delta R.T.: -0.004 min
Response: 645816
Conc: 5.07 ug/ml



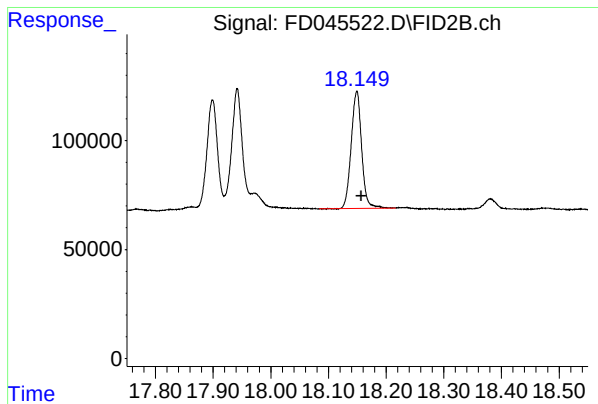
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.899 min
Delta R.T.: -0.005 min
Response: 672640
Conc: 5.44 ug/ml



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

R.T.: 17.942 min
Delta R.T.: -0.005 min
Response: 820100
Conc: 6.13 ug/ml



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

R.T.: 18.149 min
Delta R.T.: -0.008 min
Response: 678053
Conc: 5.22 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD042123AR\
Data File : FD045522.D
Signal(s) : FID2B.ch
Acq On : 21 Apr 2023 18:57
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 042123.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	4.355	4.322	4.407	BB	103603	884952	95.01%	5.640%
2	5.886	5.845	5.947	BB	95561	896654	96.27%	5.714%
3	6.934	6.827	6.987	BB	90639	869215	93.32%	5.539%
4	7.545	7.512	7.595	BB	78102	742968	79.77%	4.735%
5	8.204	8.162	8.264	BB	78654	774485	83.15%	4.936%
6	8.400	8.372	8.455	BB	46583	468073	50.26%	2.983%
7	8.499	8.467	8.545	BB	85495	830757	89.20%	5.294%
8	9.277	9.235	9.335	BB	76218	773974	83.10%	4.933%
9	10.667	10.619	10.710	BV	73778	756767	81.25%	4.823%
10	10.741	10.710	10.792	VB	64183	690334	74.12%	4.399%
11	11.439	11.395	11.484	BB	88242	931387	100.00%	5.936%
12	12.470	12.390	12.520	BB	69126	766327	82.28%	4.884%
13	12.765	12.730	12.804	BV	68868	738117	79.25%	4.704%
14	14.628	14.595	14.648	PV	58282	666826	71.59%	4.250%
15	14.669	14.648	14.700	VV	60273	701209	75.29%	4.469%
16	16.168	16.127	16.184	BV	56703	674629	72.43%	4.299%
17	16.199	16.184	16.262	VB	56413	707966	76.01%	4.512%
18	16.544	16.487	16.627	BB	51206	645816	69.34%	4.116%
19	17.899	17.792	17.920	BV	50436	672640	72.22%	4.287%
20	17.942	17.920	18.039	VB	55484	820100	88.05%	5.226%
21	18.149	18.084	18.217	BB	53793	678053	72.80%	4.321%
Sum of corrected areas:						15691248		

Aromatic EPH 042123.M Sat Apr 22 04:01:37 2023

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD042123AR\
 Data File : FD045523.D
 Signal(s) : FID2B.ch
 Acq On : 21 Apr 2023 20:15
 Operator : YP/AJ
 Sample : 20 PPM AROMATIC HC STD ICV
 Misc :
 ALS Vial : 62 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 20 PPM AROMATIC HC STD ICV

Integration File: autoint1.e
 Quant Time: Apr 24 08:41:09 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 042123.M
 Quant Title : GC Extractables
 QLast Update : Mon Apr 24 08:37:21 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...	7.546	2788956	19.291 ug/ml
Spiked Amount 50.000		Recovery =	38.58%
6) S 2-Fluorobiphenyl (SURR)	8.402	1815125	19.465 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	38.93%
11) S ortho-Terphenyl (SURR)	11.440	3218650	17.984 ug/ml
Spiked Amount 50.000		Recovery =	35.97%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.354	3387750	20.219 ug/ml
2) T Naphthalene (C11.7)	5.886	3435628	20.075 ug/ml
3) T 2-Methylnaphthalene (...)	6.935	3295449	19.478 ug/ml
5) T Acenaphthylene (C15.06)	8.206	3096059	20.466 ug/ml
7) T Acenaphthene (C15.5)	8.501	3381130	20.854 ug/ml
8) T Fluorene (C16.55)	9.279	3055601	19.837 ug/ml
9) T Phenanthrene (C19.36)	10.669	2916713	19.553 ug/ml
10) T Anthracene (C19.43)	10.742	2303820	17.835 ug/ml
12) T Fluoranthene (C21.85)	12.473	2869892	19.500 ug/ml
13) T Pyrene (C20.8)	12.768	2883545	20.101 ug/ml
14) T Benzo[a]anthracene (C...	14.631	2604025	19.871 ug/ml
15) T Chrysene (C27.41)	14.673	2739195	20.066 ug/ml
16) T benzo[b]fluoranthene ...	16.173	2630881	19.703 ug/ml
17) T Bnezo[k]fluoranthene ...	16.205	2530711	18.918 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.547	2378880	18.591 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.903	2181949	17.370 ug/ml
20) T Dibenz[a,h]anthracene...	17.945	2271721	16.676 ug/ml
21) T Benzo[g,h,i]perylene ...	18.156	2334256	17.818 ug/ml

(f)=RT Delta > 1/2 Window

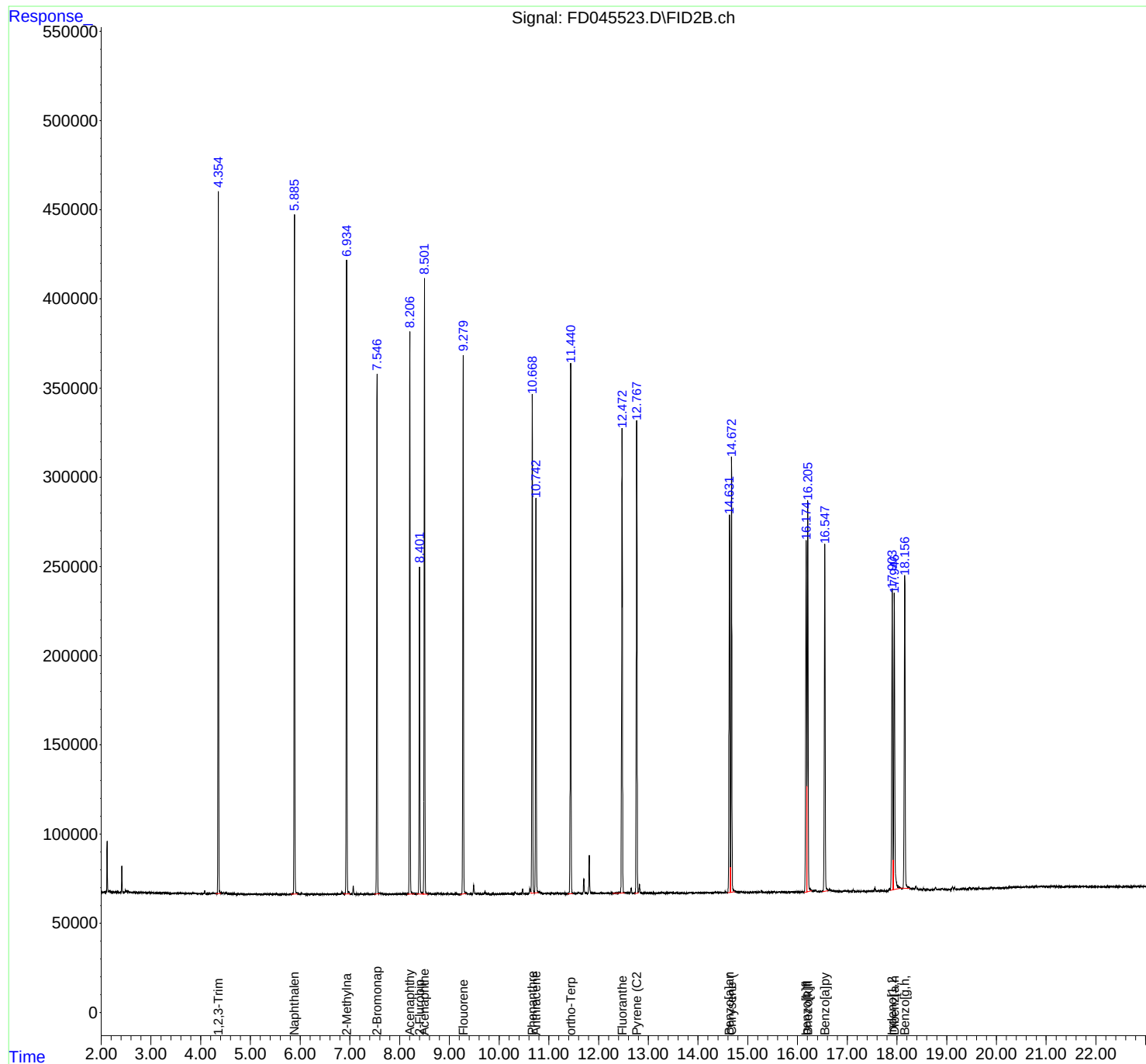
(m)=manual int.

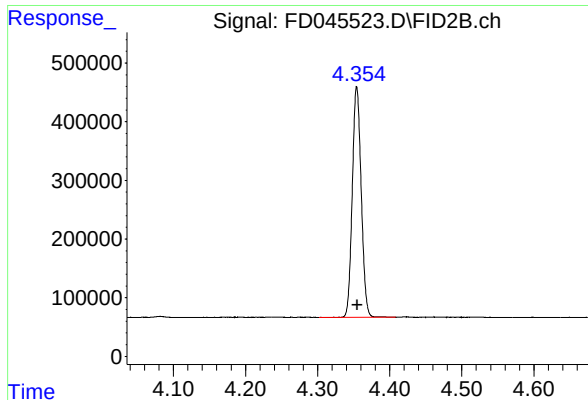
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD042123AR\
Data File : FD045523.D
Signal(s) : FID2B.ch
Acq On : 21 Apr 2023 20:15
Operator : YP/AJ
Sample : 20 PPM AROMATIC HC STD ICV
Misc :
ALS Vial : 62 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD ICV

Integration File: autoint1.e
Quant Time: Apr 24 08:41:09 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 042123.M
Quant Title : GC Extractables
QLast Update : Mon Apr 24 08:37:21 2023
Response via : Initial Calibration
Integrator: ChemStation

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

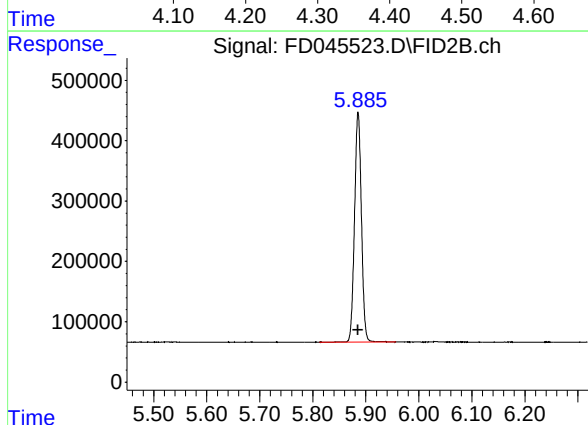




#1 1,2,3-Trimethylbenzene (C10.1)

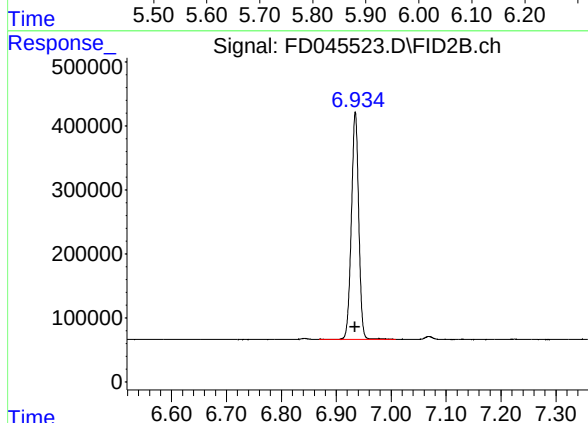
R.T.: 4.354 min
Delta R.T.: 0.000 min
Response: 3387750
Conc: 20.22 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD ICV



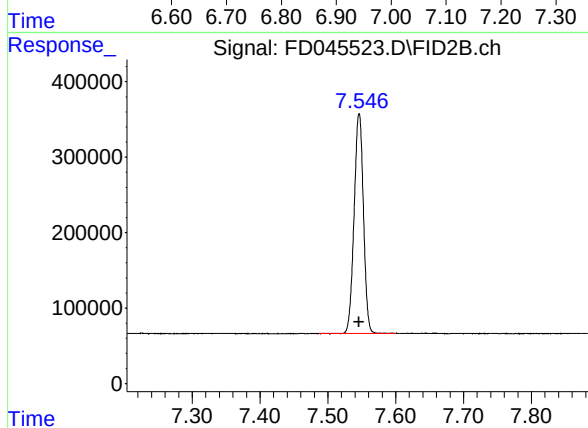
#2 Naphthalene (C11.7)

R.T.: 5.886 min
Delta R.T.: 0.000 min
Response: 3435628
Conc: 20.07 ug/ml



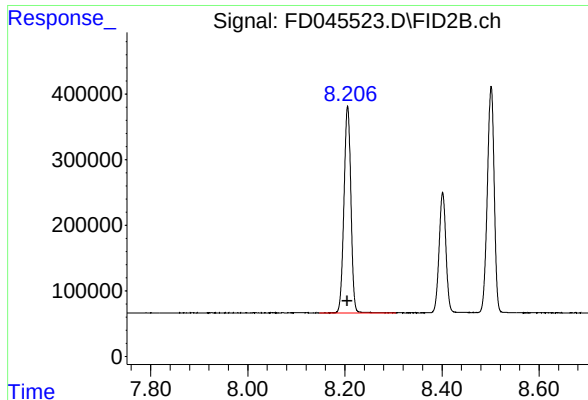
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.935 min
Delta R.T.: 0.000 min
Response: 3295449
Conc: 19.48 ug/ml



#4 2-Bromonaphthalene (SURR)

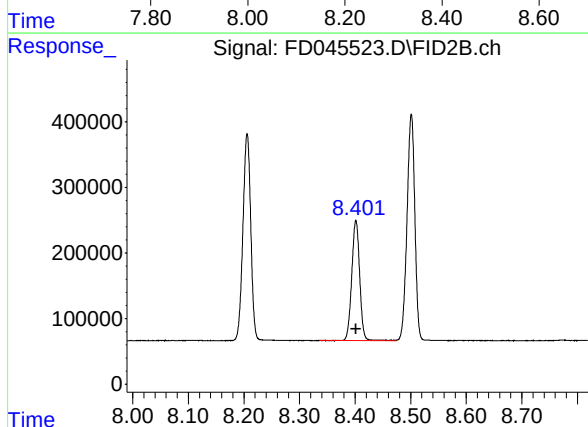
R.T.: 7.546 min
Delta R.T.: 0.000 min
Response: 2788956
Conc: 19.29 ug/ml



#5 Acenaphthylene (C15.06)

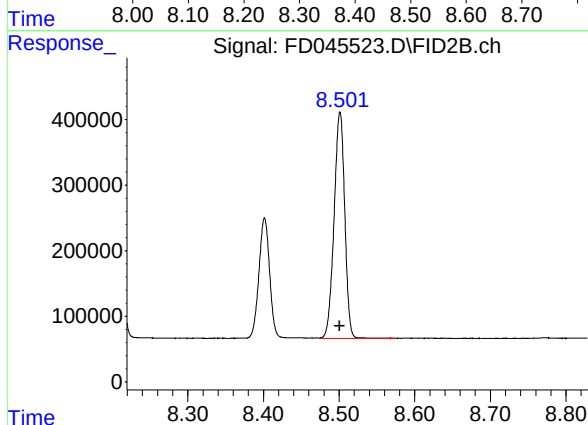
R.T.: 8.206 min
Delta R.T.: 0.000 min
Response: 3096059
Conc: 20.47 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD ICV



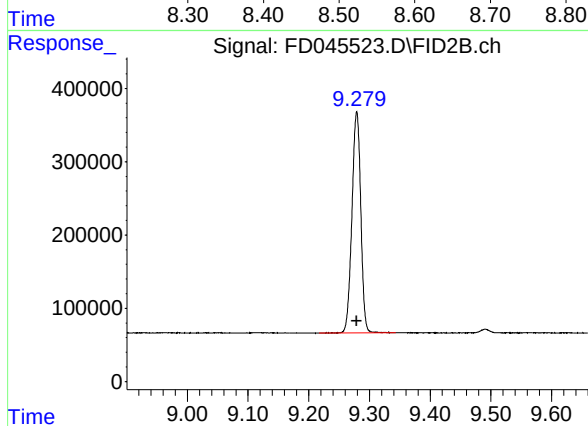
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.402 min
Delta R.T.: 0.000 min
Response: 1815125
Conc: 19.47 ug/ml



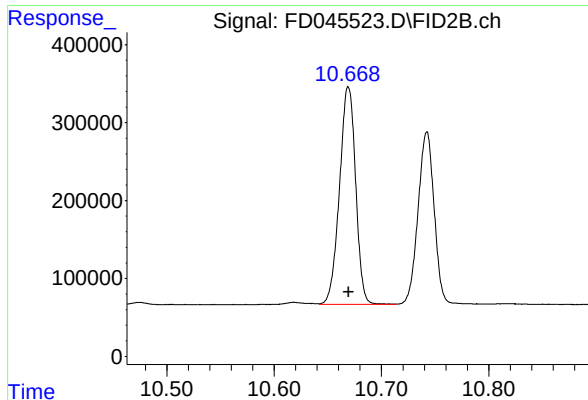
#7 Acenaphthene (C15.5)

R.T.: 8.501 min
Delta R.T.: 0.000 min
Response: 3381130
Conc: 20.85 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.279 min
Delta R.T.: 0.000 min
Response: 3055601
Conc: 19.84 ug/ml



#9 Phenanthrene (C19.36)

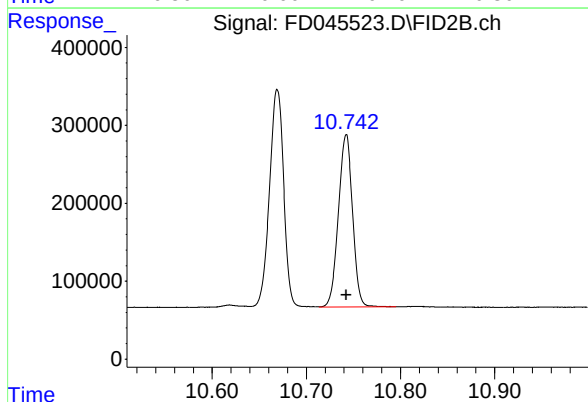
R.T.: 10.669 min
Delta R.T.: 0.000 min
Response: 2916713
Conc: 19.55 ug/ml

Instrument :

FID_D

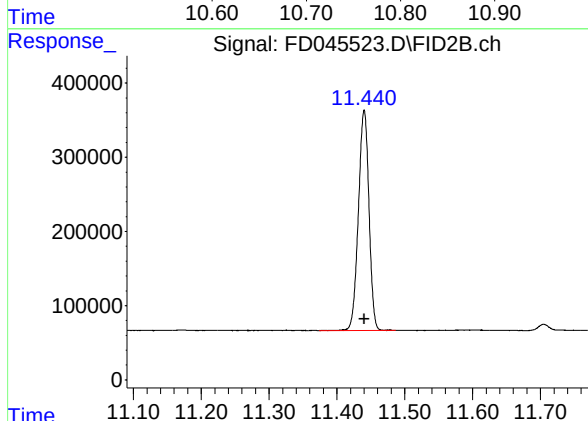
ClientSampleId :

20 PPM AROMATIC HC STD ICV



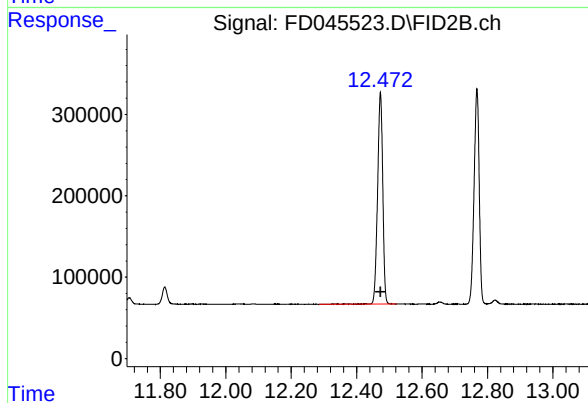
#10 Anthracene (C19.43)

R.T.: 10.742 min
Delta R.T.: 0.000 min
Response: 2303820
Conc: 17.84 ug/ml



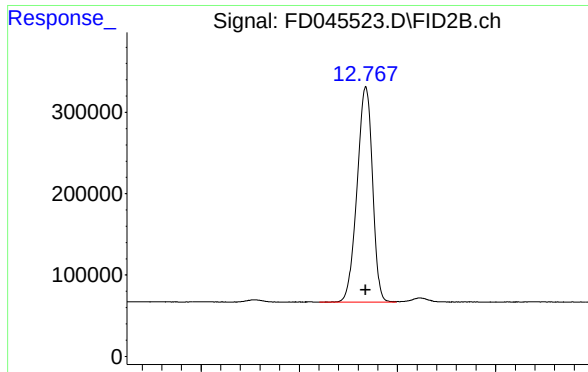
#11 ortho-Terphenyl (SURR)

R.T.: 11.440 min
Delta R.T.: 0.000 min
Response: 3218650
Conc: 17.98 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.473 min
Delta R.T.: 0.000 min
Response: 2869892
Conc: 19.50 ug/ml



#13 Pyrene (C20.8)

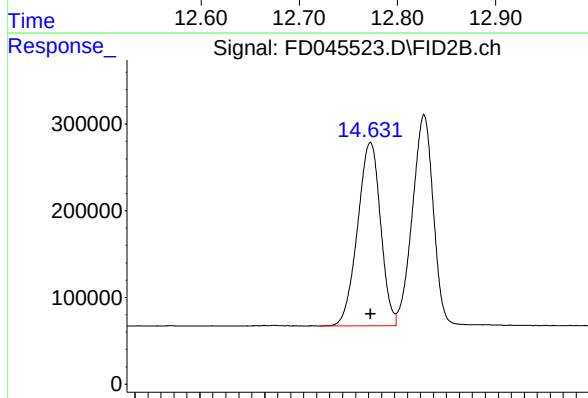
R.T.: 12.768 min
Delta R.T.: 0.000 min
Response: 2883545
Conc: 20.10 ug/ml

Instrument :

FID_D

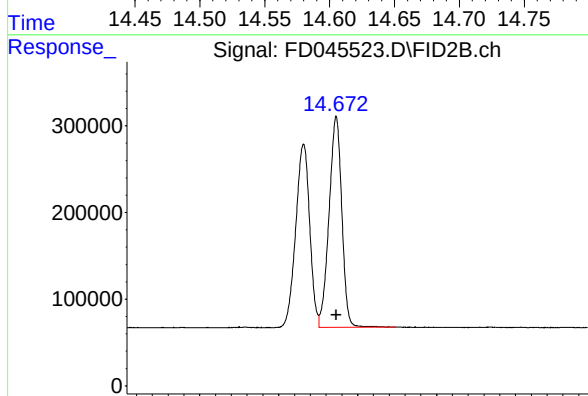
ClientSampleId :

20 PPM AROMATIC HC STD ICV



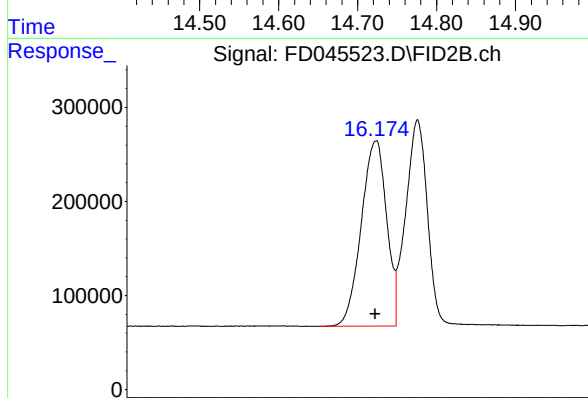
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.631 min
Delta R.T.: 0.000 min
Response: 2604025
Conc: 19.87 ug/ml



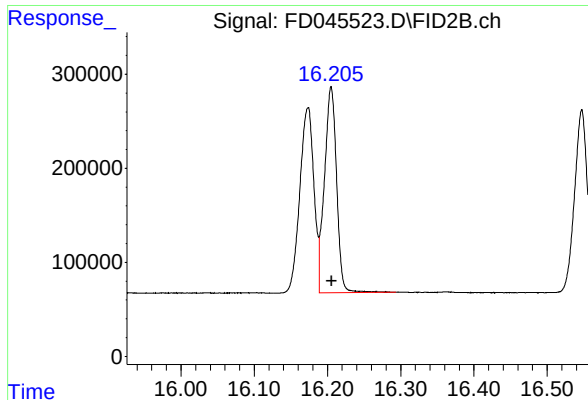
#15 Chrysene (C27.41)

R.T.: 14.673 min
Delta R.T.: 0.000 min
Response: 2739195
Conc: 20.07 ug/ml



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

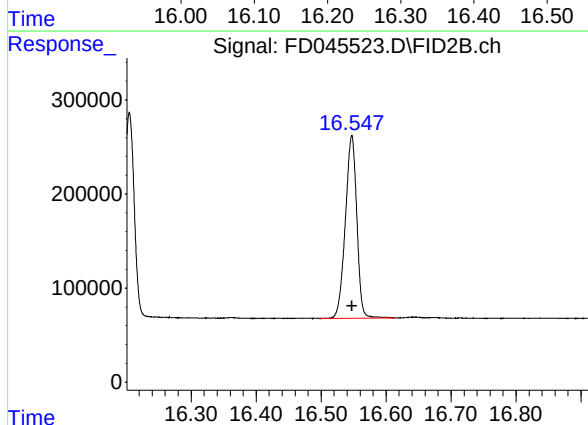
R.T.: 16.173 min
Delta R.T.: 0.000 min
Response: 2630881
Conc: 19.70 ug/ml



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

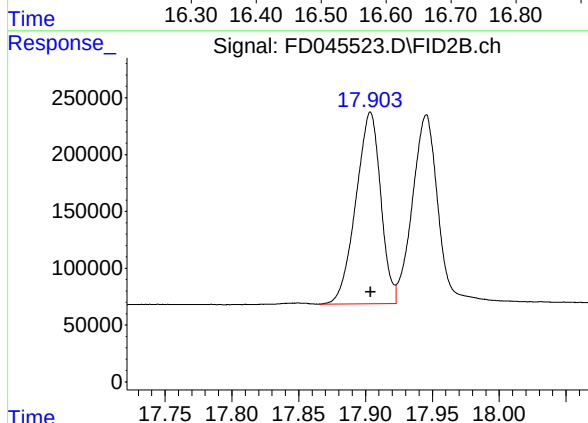
R.T.: 16.205 min
Delta R.T.: 0.000 min
Response: 2530711
Conc: 18.92 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD ICV



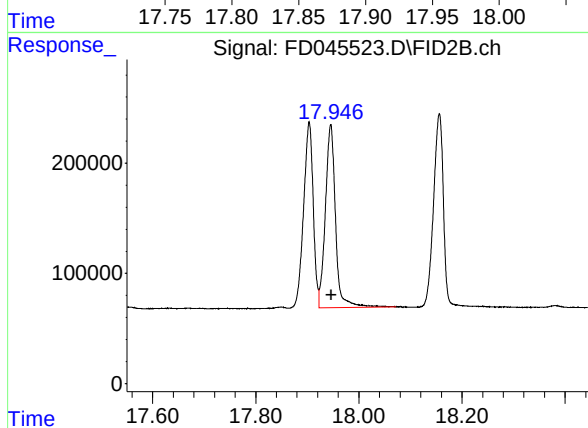
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.547 min
Delta R.T.: 0.000 min
Response: 2378880
Conc: 18.59 ug/ml



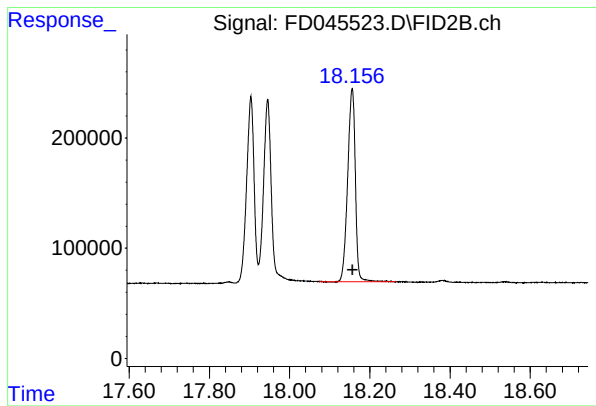
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.903 min
Delta R.T.: 0.000 min
Response: 2181949
Conc: 17.37 ug/ml



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

R.T.: 17.945 min
Delta R.T.: -0.001 min
Response: 2271721
Conc: 16.68 ug/ml



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

R.T.: 18.156 min
Delta R.T.: -0.001 min
Response: 2334256
Conc: 17.82 ug/ml

Instrument :

FID_D

ClientSampleId :

20 PPM AROMATIC HC STD ICV

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD042123AR\
Data File : FD045523.D
Signal(s) : FID2B.ch
Acq On : 21 Apr 2023 20:15
Sample : 20 PPM AROMATIC HC STD ICV
Misc :
ALS Vial : 62 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 042123.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	4.354	4.302	4.409	BV	391105	3387750	98.61%	5.829%
2	5.886	5.812	5.957	BB	380759	3435628	100.00%	5.911%
3	6.935	6.869	7.009	BB	355675	3295449	95.92%	5.670%
4	7.546	7.487	7.600	BB	292498	2788956	81.18%	4.799%
5	8.206	8.147	8.305	BB	315045	3096059	90.12%	5.327%
6	8.402	8.335	8.474	BV	183429	1815125	52.83%	3.123%
7	8.501	8.474	8.575	VB	346668	3381130	98.41%	5.818%
8	9.279	9.217	9.344	BB	301443	3055601	88.94%	5.257%
9	10.669	10.642	10.714	VV	279704	2916713	84.90%	5.018%
10	10.742	10.714	10.795	VV	221186	2303820	67.06%	3.964%
11	11.440	11.374	11.487	BB	297607	3218650	93.68%	5.538%
12	12.473	12.285	12.520	BB	260145	2869892	83.53%	4.938%
13	12.768	12.720	12.799	BV	264453	2883545	83.93%	4.961%
14	14.631	14.592	14.651	BV	211980	2604025	75.79%	4.480%
15	14.673	14.651	14.749	VB	244096	2739195	79.73%	4.713%
16	16.173	16.130	16.189	BV	197449	2630881	76.58%	4.527%
17	16.205	16.189	16.294	VB	219274	2530711	73.66%	4.354%
18	16.547	16.497	16.615	BV	194305	2378880	69.24%	4.093%
19	17.903	17.865	17.923	PV	169052	2181949	63.51%	3.754%
20	17.945	17.923	18.072	VB	166161	2271721	66.12%	3.909%
21	18.156	18.074	18.265	BB	175152	2334256	67.94%	4.016%
Sum of corrected areas:							58119936	

Aromatic EPH 042123.M Sat Apr 22 04:01:58 2023