

Initial Calibration Report for SequenceID : FD071524AR

AreaCount

Parameter Range	FD047994.D	FD047995.D	FD047996.D	FD047997.D	FD047998.D	
Aromatic C10-C12	31646953.000	16888095.000	6936453.000	3624144.000	1689338.000	
Aromatic C12-C16	47941910.000	25576482.000	10515491.000	5560775.000	2594000.000	
Aromatic C16-C21	60584685.000	32237679.000	12998123.000	6726861.000	3065589.000	
Aromatic C21-C36	124250686.000	66178149.000	26397399.000	13768418.000	6098164.000	
Aromatic EPH	264424234.000	140880405.000	56847466.000	29680198.000	13447091.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aromatic C10-C12	170133.608	4.9				
Aromatic C12-C16	172773.3859996	5.319				
Aromatic C16-C21	159315.524	4.327				
Aromatic C21-C36	144053.6531106	4.962				
Aromatic EPH	155129.5748884	4.619				

Concentration

Parameter Range	FD047994.D	FD047995.D	FD047996.D	FD047997.D	FD047998.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	FD047994.D	FD047995.D	FD047996.D	FD047997.D	FD047998.D	
Aromatic C10-C12	158234.765000	168880.950000	173411.325000	181207.200000	168933.800000	
Aromatic C12-C16	159806.366666	170509.880000	175258.183333	185359.166666	172933.333333	
Aromatic C16-C21	151461.712500	161188.395000	162476.537500	168171.525000	153279.450000	
Aromatic C21-C36	138056.317777	147062.553333	146652.216666	152982.422222	135514.755555	
Aromatic EPH	146902.352222	156533.783333	157909.627777	164889.988888	149412.122222	

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD071524AR\
 Data File : FD047994.D
 Signal(s) : FID2B.ch
 Acq On : 15 Jul 2024 10:02
 Operator : YP/AJ
 Sample : 100 PPM AROMATIC HC STD1
 Misc :
 ALS Vial : 61 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 100 PPM AROMATIC HC STD1

Integration File: autoint1.e
 Quant Time: Jul 15 12:35:07 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 071524.M
 Quant Title : GC Extractables
 QLast Update : Mon Jul 15 12:29:11 2024
 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...	7.415	13766124	95.563 ug/ml
Spiked Amount 50.000		Recovery =	191.13%
6) S 2-Fluorobiphenyl (SURR)	8.267	9217766	97.229 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	194.46%#
11) S ortho-Terphenyl (SURR)	11.307	15501458	95.489 ug/ml
Spiked Amount 50.000		Recovery =	190.98%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.231	15484909	95.439 ug/ml
2) T Naphthalene (C11.7)	5.754	16162044	95.410 ug/ml
3) T 2-Methylnaphthalene (...)	6.803	16215659	95.772 ug/ml
5) T Acenaphthylene (C15.06)	8.072	15858084	95.492 ug/ml
7) T Acenaphthene (C15.5)	8.368	15868167	94.897 ug/ml
8) T Flouorene (C16.55)	9.146	15443438	96.249 ug/ml
9) T Phenanthrene (C19.36)	10.535	15269826	96.892 ug/ml
10) T Anthracene (C19.43)	10.612	14891563	96.196 ug/ml
12) T Fluoranthene (C21.85)	12.343	15077424	96.369 ug/ml
13) T Pyrene (C20.8)	12.636	14979858	96.629 ug/ml
14) T Benzo[a]anthracene (C...	14.506	14019991	98.869 ug/ml
15) T Chrysene (C27.41)	14.552	14392616	94.675 ug/ml
16) T benzo[b]fluoranthene ...	16.055	14385614	98.303 ug/ml
17) T Bnezo[k]fluoranthene ...	16.094	13368194	95.464 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.434	13899906	97.278 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.799	12738656	105.124 ug/ml
20) T Dibenz[a,h]anthracene...	17.839	12618999	91.398 ug/ml
21) T Benzo[g,h,i]perylene ...	18.057	13749286	96.496 ug/ml

(f)=RT Delta > 1/2 Window

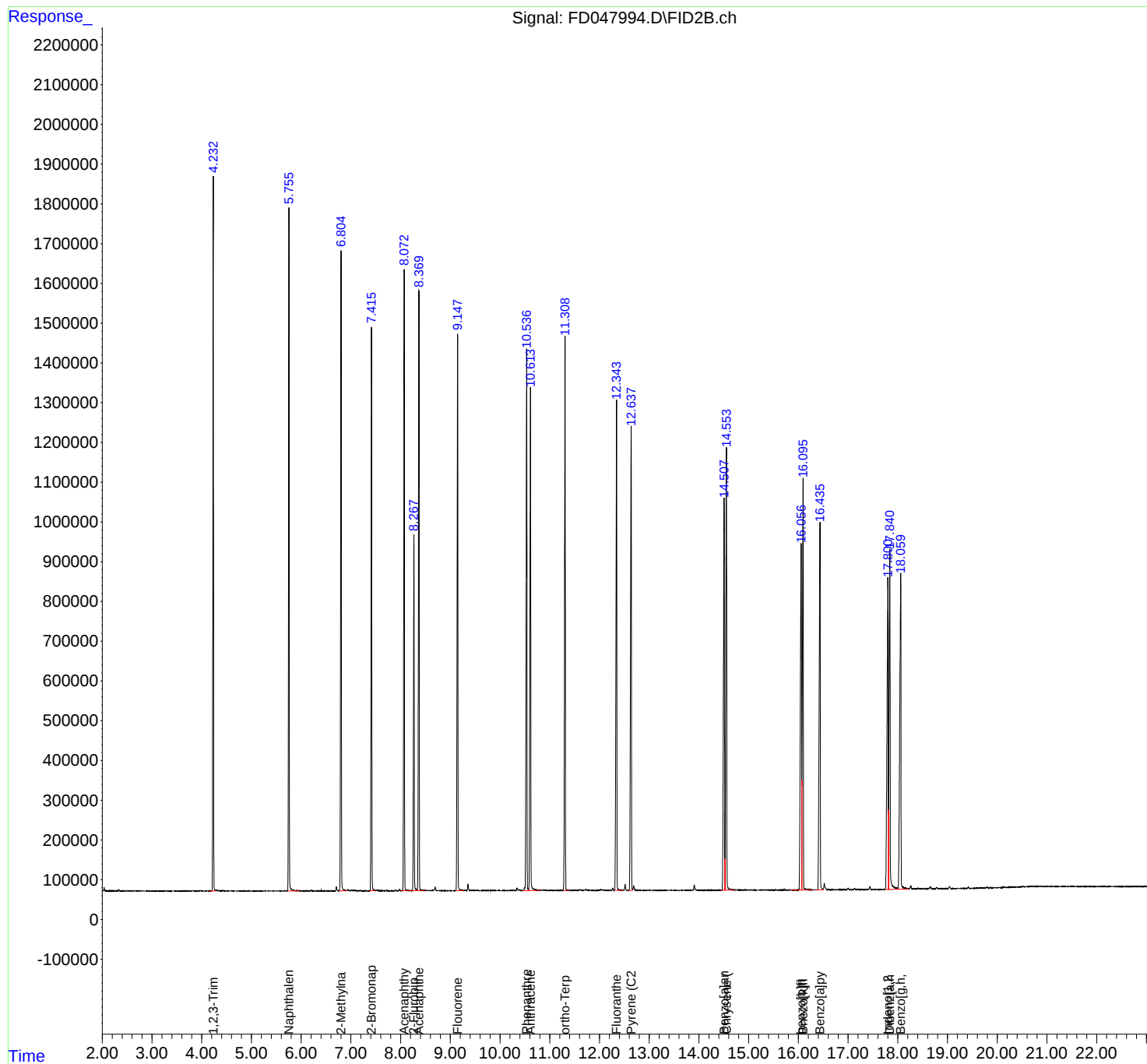
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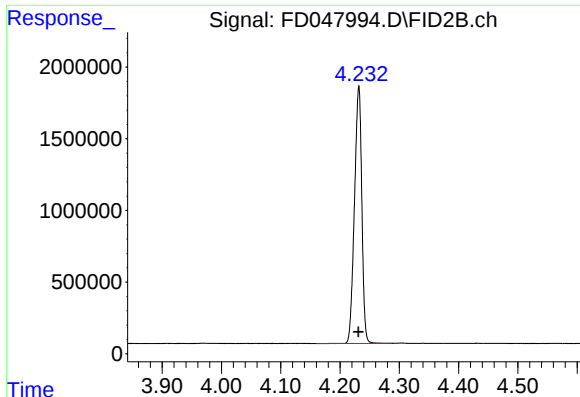
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD071524AR\
Data File : FD047994.D
Signal(s) : FID2B.ch
Acq On : 15 Jul 2024 10:02
Operator : YP/AJ
Sample : 100 PPM AROMATIC HC STD1
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
100 PPM AROMATIC HC STD1

Integration File: autoint1.e
Quant Time: Jul 15 12:35:07 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 071524.M
Quant Title : GC Extractables
QLast Update : Mon Jul 15 12:29:11 2024
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)

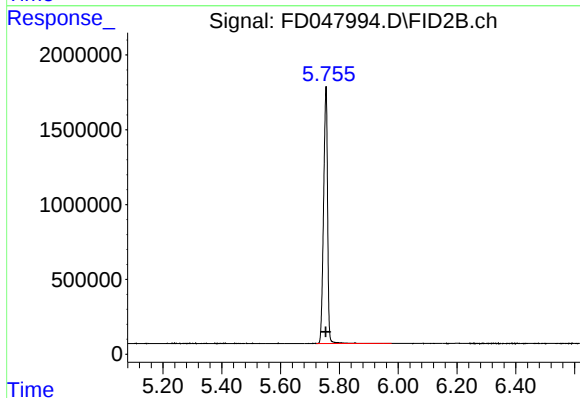
R.T.: 4.231 min
Delta R.T.: 0.000 min
Response: 15484909
Conc: 95.44 ug/ml

Instrument :

FID_D

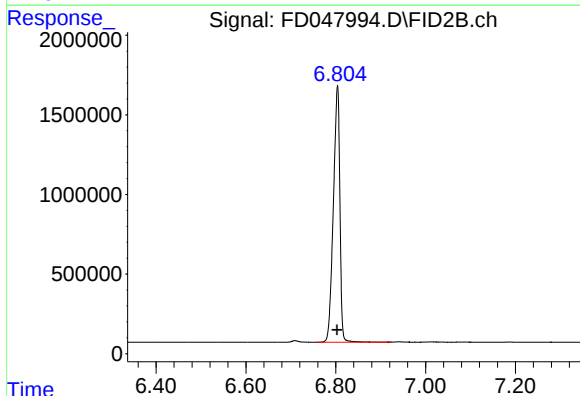
ClientSampleId :

100 PPM AROMATIC HC STD1



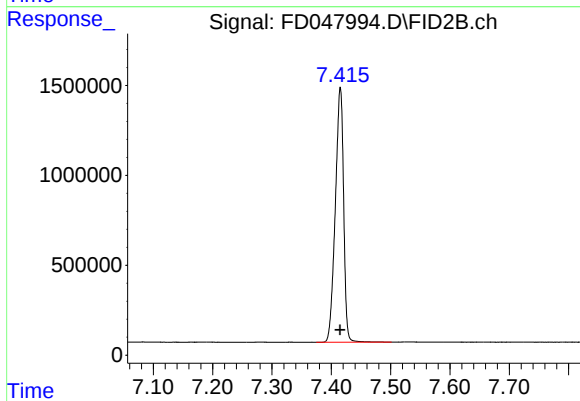
#2 Naphthalene (C11.7)

R.T.: 5.754 min
Delta R.T.: 0.000 min
Response: 16162044
Conc: 95.41 ug/ml



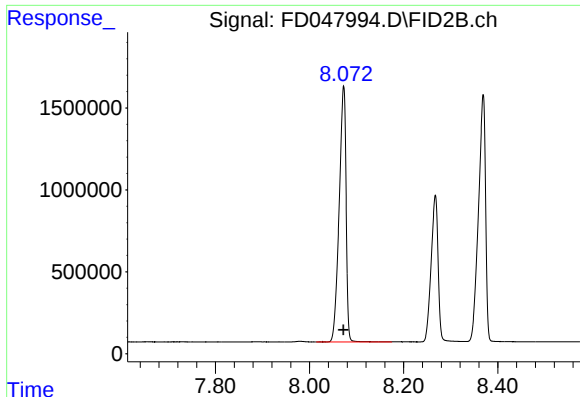
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.803 min
Delta R.T.: 0.000 min
Response: 16215659
Conc: 95.77 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.415 min
Delta R.T.: 0.000 min
Response: 13766124
Conc: 95.56 ug/ml



#5 Acenaphthylene (C15.06)

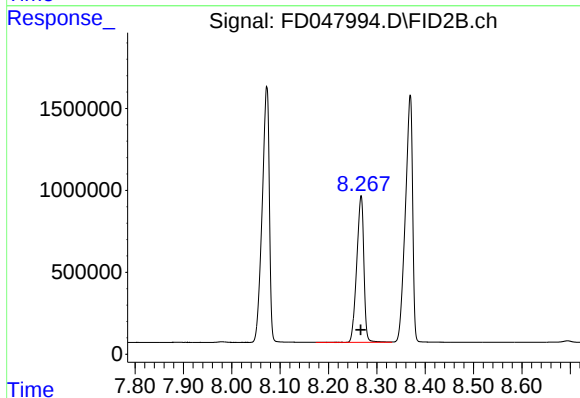
R.T.: 8.072 min
Delta R.T.: 0.000 min
Response: 15858084
Conc: 95.49 ug/ml

Instrument :

FID_D

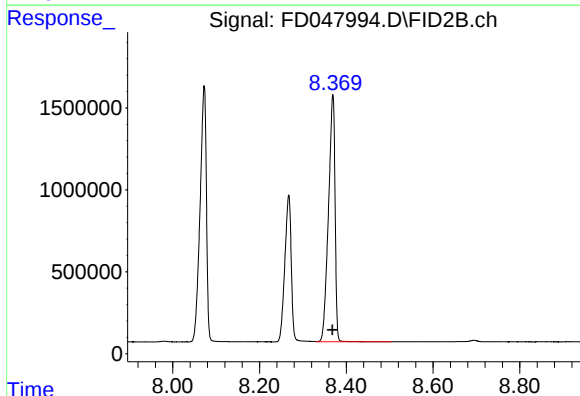
ClientSampleId :

100 PPM AROMATIC HC STD1



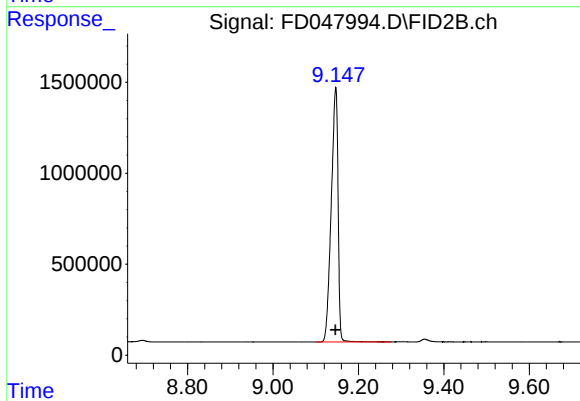
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.267 min
Delta R.T.: 0.000 min
Response: 9217766
Conc: 97.23 ug/ml



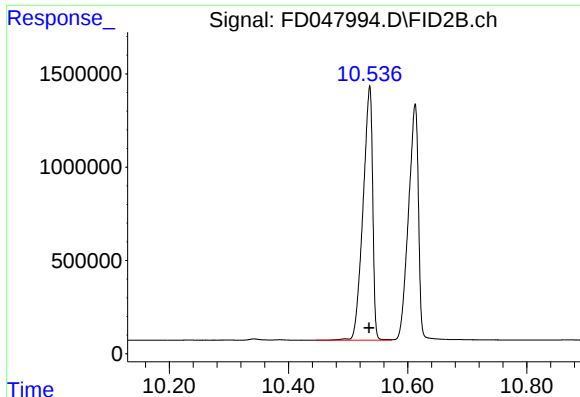
#7 Acenaphthene (C15.5)

R.T.: 8.368 min
Delta R.T.: 0.000 min
Response: 15868167
Conc: 94.90 ug/ml



#8 Fluorene (C16.55)

R.T.: 9.146 min
Delta R.T.: 0.000 min
Response: 15443438
Conc: 96.25 ug/ml



#9 Phenanthrene (C19.36)

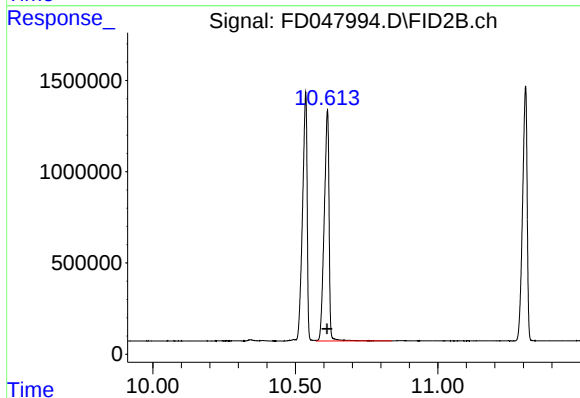
R.T.: 10.535 min
Delta R.T.: 0.000 min
Response: 15269826
Conc: 96.89 ug/ml

Instrument :

FID_D

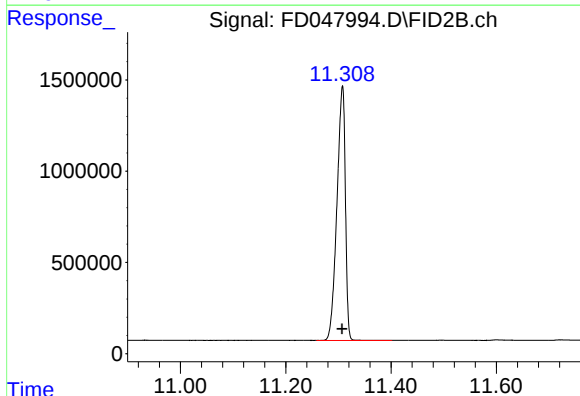
ClientSampleId :

100 PPM AROMATIC HC STD1



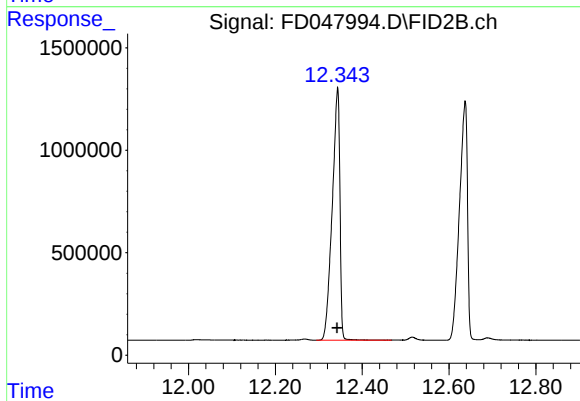
#10 Anthracene (C19.43)

R.T.: 10.612 min
Delta R.T.: 0.000 min
Response: 14891563
Conc: 96.20 ug/ml



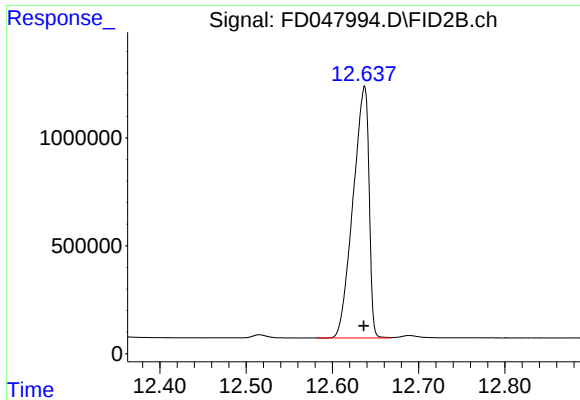
#11 ortho-Terphenyl (SURR)

R.T.: 11.307 min
Delta R.T.: 0.000 min
Response: 15501458
Conc: 95.49 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.343 min
Delta R.T.: 0.000 min
Response: 15077424
Conc: 96.37 ug/ml



#13 Pyrene (C20.8)

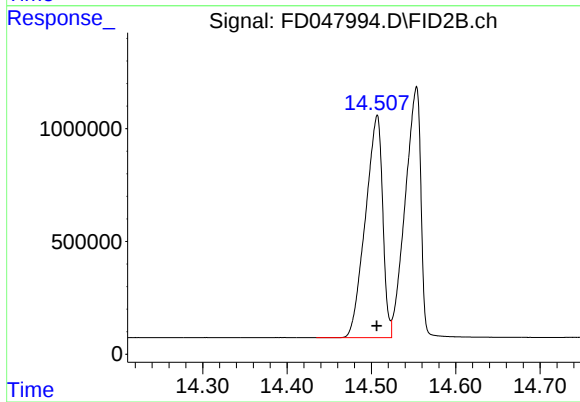
R.T.: 12.636 min
Delta R.T.: 0.000 min
Response: 14979858
Conc: 96.63 ug/ml

Instrument :

FID_D

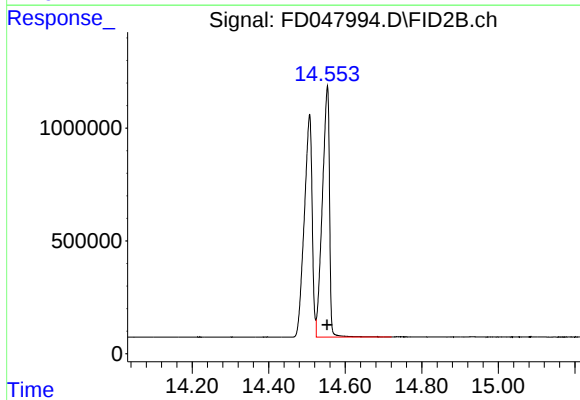
ClientSampleId :

100 PPM AROMATIC HC STD1



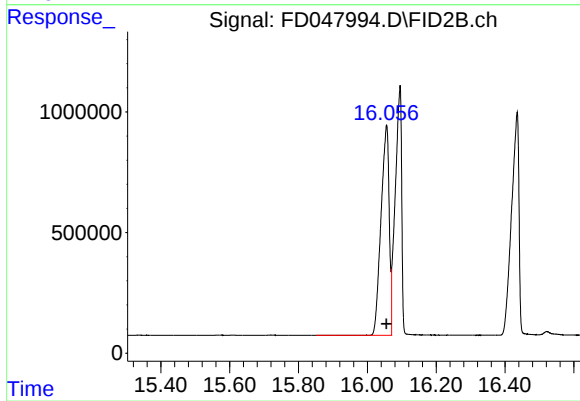
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.506 min
Delta R.T.: 0.000 min
Response: 14019991
Conc: 98.87 ug/ml



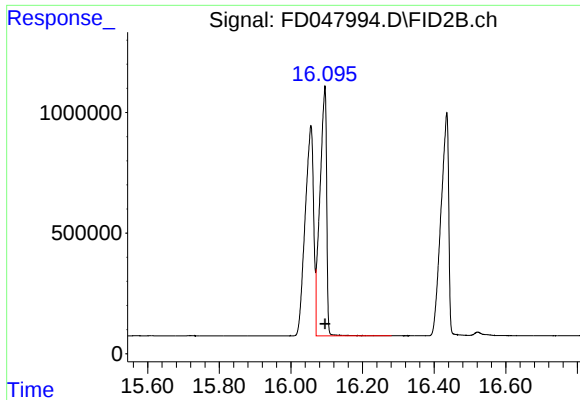
#15 Chrysene (C27.41)

R.T.: 14.552 min
Delta R.T.: 0.000 min
Response: 14392616
Conc: 94.68 ug/ml



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

R.T.: 16.055 min
Delta R.T.: 0.000 min
Response: 14385614
Conc: 98.30 ug/ml



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

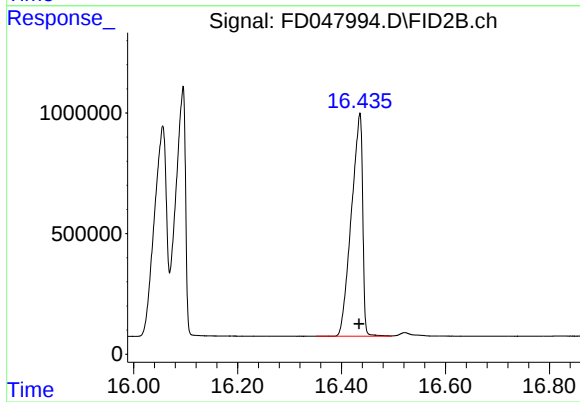
R.T.: 16.094 min
Delta R.T.: -0.002 min
Response: 13368194
Conc: 95.46 ug/ml

Instrument :

FID_D

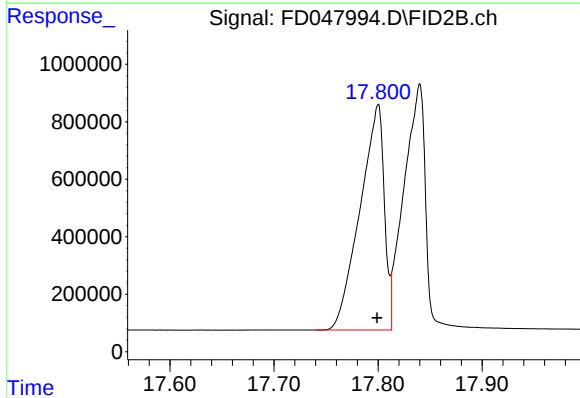
ClientSampleId :

100 PPM AROMATIC HC STD1



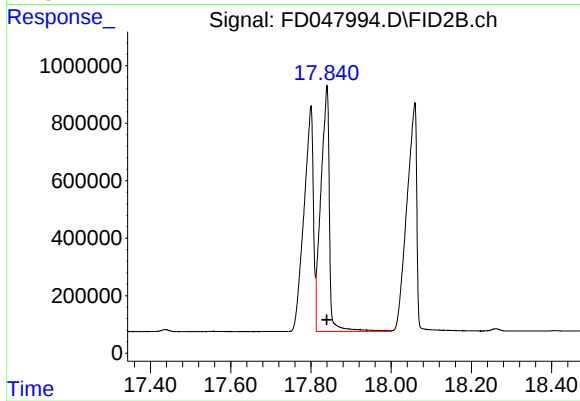
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.434 min
Delta R.T.: 0.000 min
Response: 13899906
Conc: 97.28 ug/ml



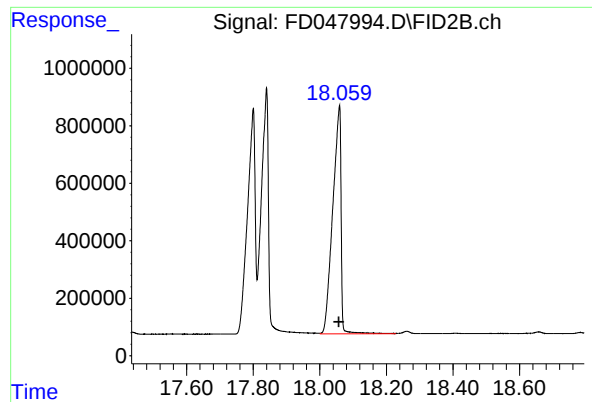
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.799 min
Delta R.T.: 0.000 min
Response: 12738656
Conc: 105.12 ug/ml



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

R.T.: 17.839 min
Delta R.T.: 0.000 min
Response: 12618999
Conc: 91.40 ug/ml



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

R.T.: 18.057 min
Delta R.T.: 0.000 min
Response: 13749286
Conc: 96.50 ug/ml

Instrument :
FID_D
ClientSampleId :
100 PPM AROMATIC HC STD1

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD071524AR\
Data File : FD047994.D
Signal(s) : FID2B.ch
Acq On : 15 Jul 2024 10:02
Sample : 100 PPM AROMATIC HC STD1
Misc :
ALS Vial : 61 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 071524.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	4.231	4.160	4.287	PV	1786887	15484909	95.49%	5.112%
2	5.754	5.721	5.978	BV	1723755	16162044	99.67%	5.336%
3	6.803	6.757	6.925	VV	1635958	16215659	100.00%	5.353%
4	7.415	7.375	7.502	BV	1415239	13766124	84.89%	4.545%
5	8.072	8.014	8.175	VV	1546564	15858084	97.79%	5.235%
6	8.267	8.175	8.331	VV	905514	9217766	56.84%	3.043%
7	8.368	8.331	8.505	VV	1494409	15868167	97.86%	5.239%
8	9.146	9.101	9.278	BV	1429371	15443438	95.24%	5.098%
9	10.535	10.446	10.573	PV	1333039	15269826	94.17%	5.041%
10	10.612	10.573	10.838	VV	1255676	14891563	91.83%	4.916%
11	11.307	11.258	11.401	BV	1408523	15501458	95.60%	5.118%
12	12.343	12.294	12.468	PV	1203684	15077424	92.98%	4.978%
13	12.636	12.581	12.669	PV	1193373	14979858	92.38%	4.945%
14	14.506	14.435	14.524	BV	1003577	14019991	86.46%	4.628%
15	14.552	14.524	14.721	VV	1091251	14392616	88.76%	4.751%
16	16.055	15.851	16.070	BV	865748	14385614	88.71%	4.749%
17	16.094	16.070	16.281	VB	1037546	13368194	82.44%	4.413%
18	16.434	16.351	16.496	BV	924186	13899906	85.72%	4.589%
19	17.799	17.740	17.813	PV	767091	12738656	78.56%	4.205%
20	17.839	17.813	18.001	VV	833005	12618999	77.82%	4.166%
21	18.057	18.001	18.228	VV	789177	13749286	84.79%	4.539%
Sum of corrected areas:						302909581		

Aromatic EPH 071524.M Mon Jul 15 15:03:38 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD071524AR\
 Data File : FD047995.D
 Signal(s) : FID2B.ch
 Acq On : 15 Jul 2024 10:40
 Operator : YP/AJ
 Sample : 50 PPM AROMATIC HC STD2
 Misc :
 ALS Vial : 62 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 50 PPM AROMATIC HC STD2

Integration File: autoint1.e
 Quant Time: Jul 15 12:37:03 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 071524.M
 Quant Title : GC Extractables
 QLast Update : Mon Jul 15 12:29:11 2024
 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...	7.411	7338070	50.623 ug/ml
Spiked Amount 50.000		Recovery =	101.25%
6) S 2-Fluorobiphenyl (SURR)	8.263	4876131	50.947 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	101.89%
11) S ortho-Terphenyl (SURR)	11.302	8266537	50.611 ug/ml
Spiked Amount 50.000		Recovery =	101.22%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.229	8220286	50.441 ug/ml
2) T Naphthalene (C11.7)	5.751	8667809	50.773 ug/ml
3) T 2-Methylnaphthalene (...)	6.799	8623219	50.616 ug/ml
5) T Acenaphthylene (C15.06)	8.067	8466924	50.652 ug/ml
7) T Acenaphthene (C15.5)	8.362	8486339	50.498 ug/ml
8) T Flouorene (C16.55)	9.140	8201274	50.737 ug/ml
9) T Phenanthrene (C19.36)	10.529	8092539	50.892 ug/ml
10) T Anthracene (C19.43)	10.605	7977235	51.011 ug/ml
12) T Fluoranthene (C21.85)	12.335	8019396	50.831 ug/ml
13) T Pyrene (C20.8)	12.629	7966631	50.918 ug/ml
14) T Benzo[a]anthracene (C...	14.499	7415012	51.504 ug/ml
15) T Chrysene (C27.41)	14.542	7739154	50.602 ug/ml
16) T benzo[b]fluoranthene ...	16.046	7552924	51.063 ug/ml
17) T Bnezo[k]fluoranthene ...	16.080	7212752	50.838 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.422	7399320	51.175 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.786	6454521	52.130 ug/ml
20) T Dibenz[a,h]anthracene...	17.825	7059840	50.930 ug/ml
21) T Benzo[g,h,i]perylene ...	18.040	7325230	50.931 ug/ml

(f)=RT Delta > 1/2 Window

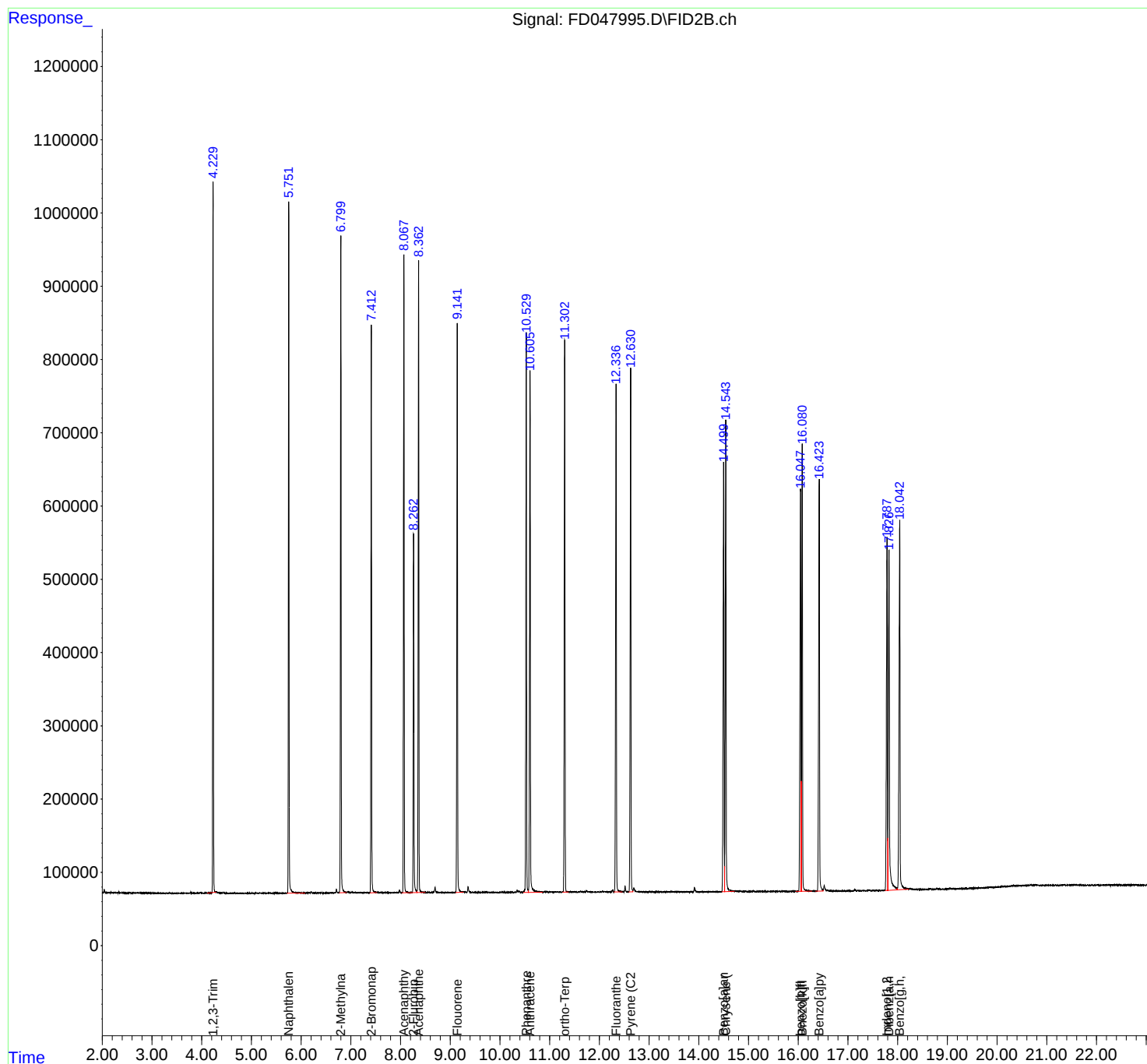
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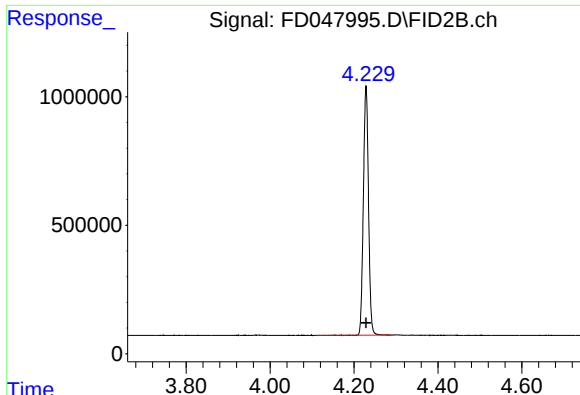
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD071524AR\
Data File : FD047995.D
Signal(s) : FID2B.ch
Acq On : 15 Jul 2024 10:40
Operator : YP/AJ
Sample : 50 PPM AROMATIC HC STD2
Misc :
ALS Vial : 62 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2

Integration File: autoint1.e
Quant Time: Jul 15 12:37:03 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 071524.M
Quant Title : GC Extractables
QLast Update : Mon Jul 15 12:29:11 2024
Response via : Initial Calibration
Integrator: ChemStation

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

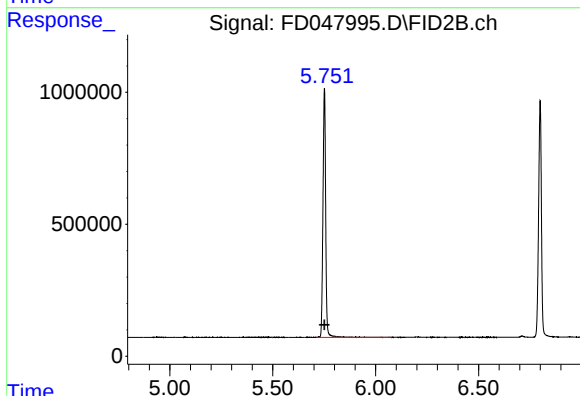




#1 1,2,3-Trimethylbenzene (C10.1)

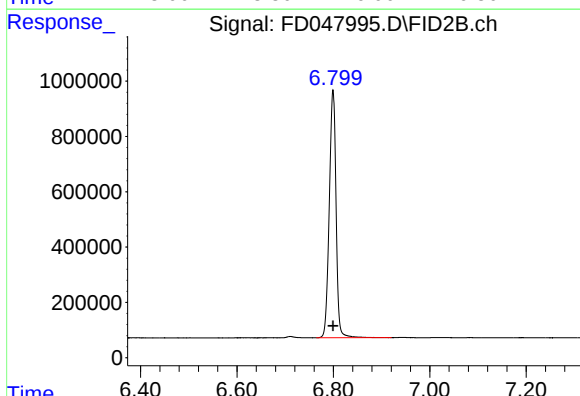
R.T.: 4.229 min
Delta R.T.: 0.000 min
Response: 8220286
Conc: 50.44 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2



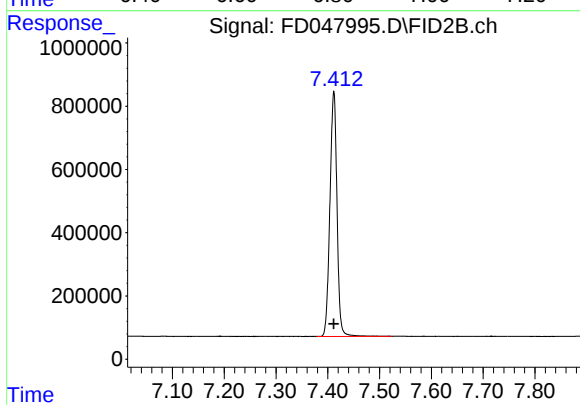
#2 Naphthalene (C11.7)

R.T.: 5.751 min
Delta R.T.: 0.000 min
Response: 8667809
Conc: 50.77 ug/ml



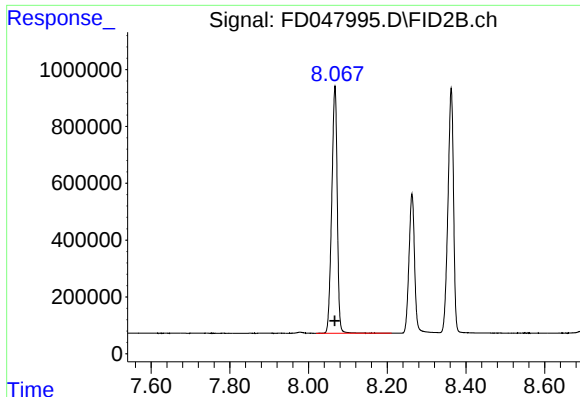
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.799 min
Delta R.T.: 0.000 min
Response: 8623219
Conc: 50.62 ug/ml



#4 2-Bromonaphthalene (SURR)

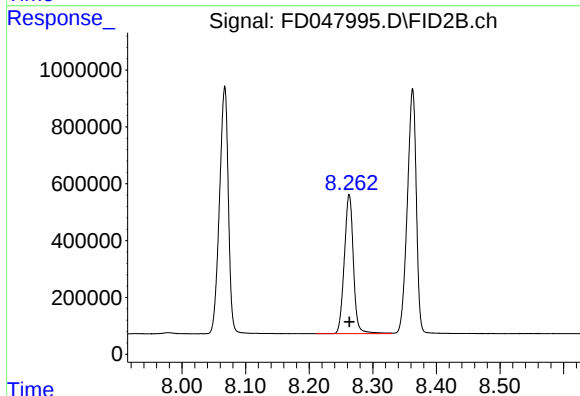
R.T.: 7.411 min
Delta R.T.: 0.000 min
Response: 7338070
Conc: 50.62 ug/ml



#5 Acenaphthylene (C15.06)

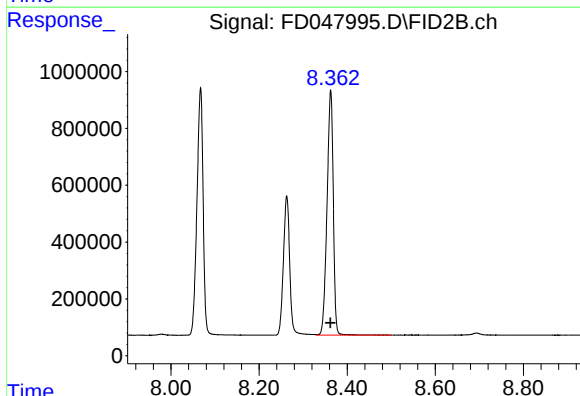
R.T.: 8.067 min
Delta R.T.: 0.000 min
Response: 8466924
Conc: 50.65 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2



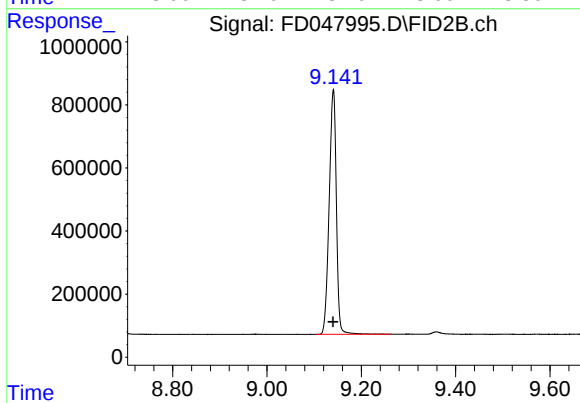
#6 2-Fluorobiphenyl (SURRE)

R.T.: 8.263 min
Delta R.T.: 0.000 min
Response: 4876131
Conc: 50.95 ug/ml



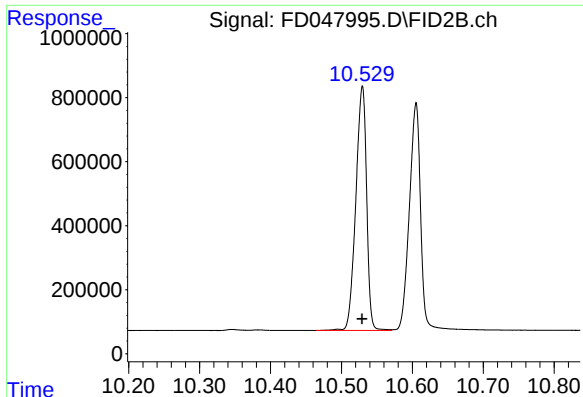
#7 Acenaphthene (C15.5)

R.T.: 8.362 min
Delta R.T.: 0.000 min
Response: 8486339
Conc: 50.50 ug/ml



#8 Fluorene (C16.55)

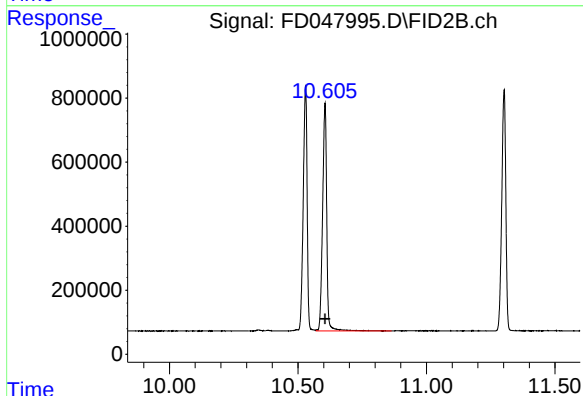
R.T.: 9.140 min
Delta R.T.: 0.000 min
Response: 8201274
Conc: 50.74 ug/ml



#9 Phenanthrene (C19.36)

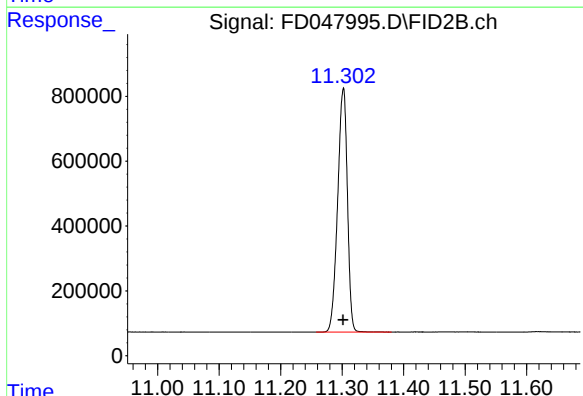
R.T.: 10.529 min
Delta R.T.: 0.000 min
Response: 8092539
Conc: 50.89 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2



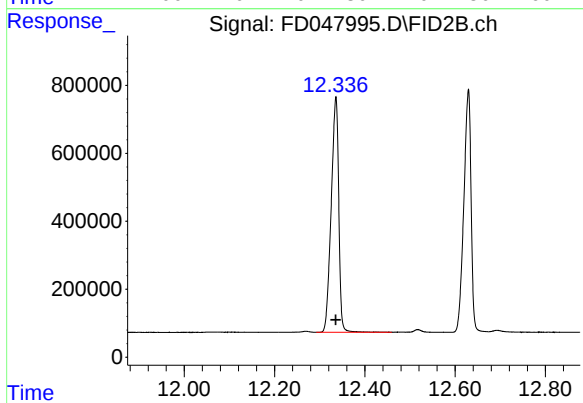
#10 Anthracene (C19.43)

R.T.: 10.605 min
Delta R.T.: 0.000 min
Response: 7977235
Conc: 51.01 ug/ml



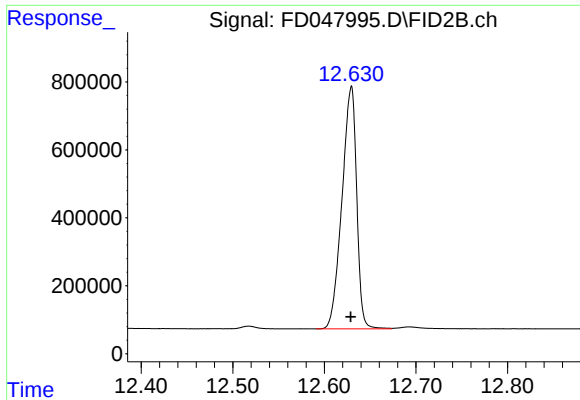
#11 ortho-Terphenyl (SURR)

R.T.: 11.302 min
Delta R.T.: 0.000 min
Response: 8266537
Conc: 50.61 ug/ml



#12 Fluoranthene (C21.85)

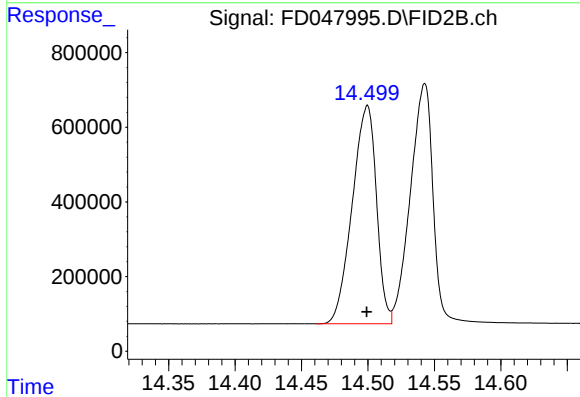
R.T.: 12.335 min
Delta R.T.: 0.000 min
Response: 8019396
Conc: 50.83 ug/ml



#13 Pyrene (C20.8)

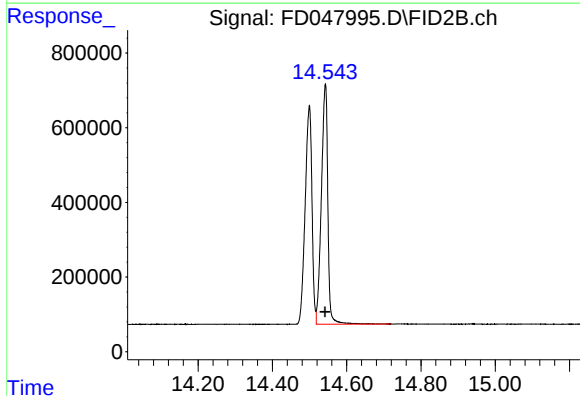
R.T.: 12.629 min
Delta R.T.: 0.000 min
Response: 7966631
Conc: 50.92 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2



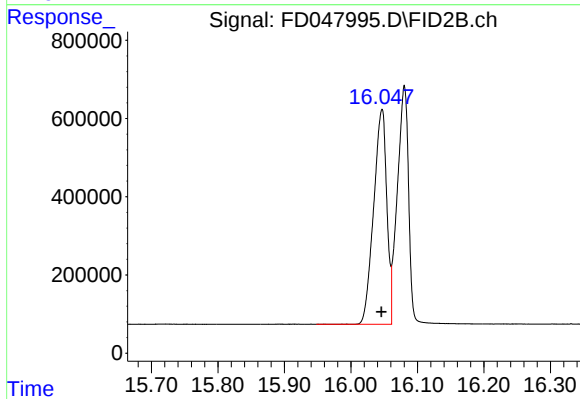
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.499 min
Delta R.T.: 0.000 min
Response: 7415012
Conc: 51.50 ug/ml



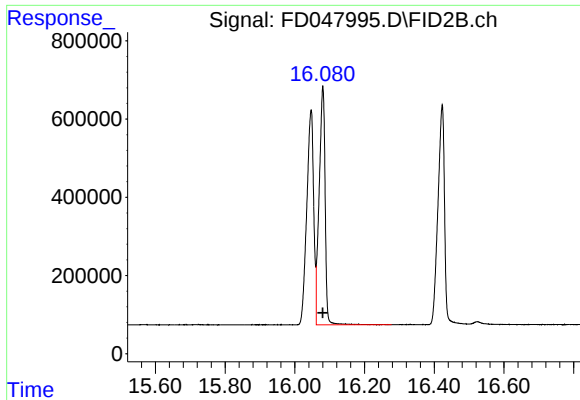
#15 Chrysene (C27.41)

R.T.: 14.542 min
Delta R.T.: 0.000 min
Response: 7739154
Conc: 50.60 ug/ml



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

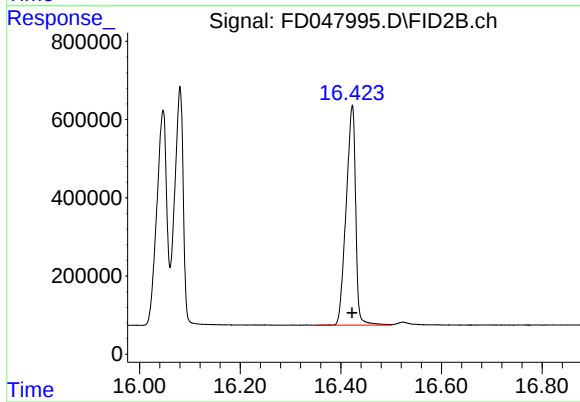
R.T.: 16.046 min
Delta R.T.: 0.000 min
Response: 7552924
Conc: 51.06 ug/ml



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

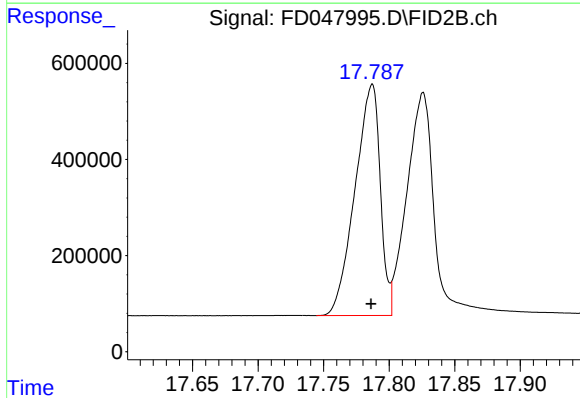
R.T.: 16.080 min
Delta R.T.: 0.000 min
Response: 7212752
Conc: 50.84 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2



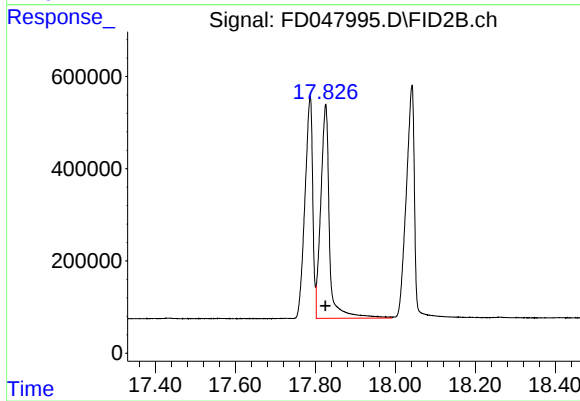
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.422 min
Delta R.T.: 0.000 min
Response: 7399320
Conc: 51.18 ug/ml



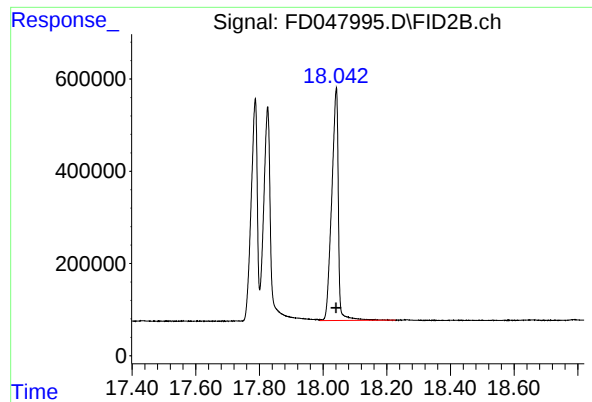
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.786 min
Delta R.T.: 0.000 min
Response: 6454521
Conc: 52.13 ug/ml



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

R.T.: 17.825 min
Delta R.T.: 0.000 min
Response: 7059840
Conc: 50.93 ug/ml



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

R.T.: 18.040 min
Delta R.T.: 0.000 min
Response: 7325230
Conc: 50.93 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD071524AR\
Data File : FD047995.D
Signal(s) : FID2B.ch
Acq On : 15 Jul 2024 10:40
Sample : 50 PPM AROMATIC HC STD2
Misc :
ALS Vial : 62 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 071524.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	4.229	4.110	4.290	PV	958199	8220286	94.84%	5.094%
2	5.751	5.711	6.078	BB	947339	8667809	100.00%	5.372%
3	6.799	6.764	6.921	PV	883920	8623219	99.49%	5.344%
4	7.411	7.378	7.523	BV	770078	7338070	84.66%	4.548%
5	8.067	8.019	8.211	PV	876944	8466924	97.68%	5.247%
6	8.263	8.211	8.330	VV	490802	4876131	56.26%	3.022%
7	8.362	8.330	8.501	VV	850506	8486339	97.91%	5.259%
8	9.140	9.104	9.264	BV	780791	8201274	94.62%	5.083%
9	10.529	10.464	10.571	VV	753522	8092539	93.36%	5.015%
10	10.605	10.571	10.864	VV	705874	7977235	92.03%	4.944%
11	11.302	11.258	11.380	BV	748712	8266537	95.37%	5.123%
12	12.335	12.292	12.459	PV	682551	8019396	92.52%	4.970%
13	12.629	12.591	12.673	BV	702649	7966631	91.91%	4.937%
14	14.499	14.461	14.518	PV	577557	7415012	85.55%	4.595%
15	14.542	14.518	14.721	VV	637863	7739154	89.29%	4.796%
16	16.046	15.948	16.061	BV	560189	7552924	87.14%	4.681%
17	16.080	16.061	16.278	VV	614385	7212752	83.21%	4.470%
18	16.422	16.351	16.501	BV	555537	7399320	85.37%	4.586%
19	17.786	17.744	17.802	PV	489752	6454521	74.47%	4.000%
20	17.825	17.802	17.991	VV	459084	7059840	81.45%	4.375%
21	18.040	17.991	18.228	VV	506328	7325230	84.51%	4.540%
Sum of corrected areas:						161361142		

Aromatic EPH 071524.M Mon Jul 15 15:02:22 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD071524AR\
 Data File : FD047996.D
 Signal(s) : FID2B.ch
 Acq On : 15 Jul 2024 11:19
 Operator : YP/AJ
 Sample : 20 PPM AROMATIC HC STD3
 Misc :
 ALS Vial : 63 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 20 PPM AROMATIC HC STD3

Integration File: autoint1.e
 Quant Time: Jul 15 12:29:39 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 071524.M
 Quant Title : GC Extractables
 QLast Update : Mon Jul 15 12:29:11 2024
 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...	7.410	3008898	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
6) S 2-Fluorobiphenyl (SURR)	8.261	1948632	20.000 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	40.00%
11) S ortho-Terphenyl (SURR)	11.298	3393185	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.228	3393017	20.000 ug/ml
2) T Naphthalene (C11.7)	5.749	3543436	20.000 ug/ml
3) T 2-Methylnaphthalene (...)	6.797	3529459	20.000 ug/ml
5) T Acenaphthylene (C15.06)	8.064	3471073	20.000 ug/ml
7) T Acenaphthene (C15.5)	8.358	3514959	20.000 ug/ml
8) T Flouorene (C16.55)	9.137	3329422	20.000 ug/ml
9) T Phenanthrene (C19.36)	10.525	3249874	20.000 ug/ml
10) T Anthracene (C19.43)	10.601	3213832	20.000 ug/ml
12) T Fluoranthene (C21.85)	12.330	3242731	20.000 ug/ml
13) T Pyrene (C20.8)	12.623	3204995	20.000 ug/ml
14) T Benzo[a]anthracene (C...	14.492	2868151	20.000 ug/ml
15) T Chrysene (C27.41)	14.533	3202308	20.000 ug/ml
16) T benzo[b]fluoranthene ...	16.038	2976470	20.000 ug/ml
17) T Bnezo[k]fluoranthene ...	16.069	2953935	20.000 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.414	2935572	20.000 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.776	2299355	20.000 ug/ml
20) T Dibenz[a,h]anthracene...	17.818	2969294	20.000 ug/ml
21) T Benzo[g,h,i]perylene ...	18.027	2949583	20.000 ug/ml

(f)=RT Delta > 1/2 Window

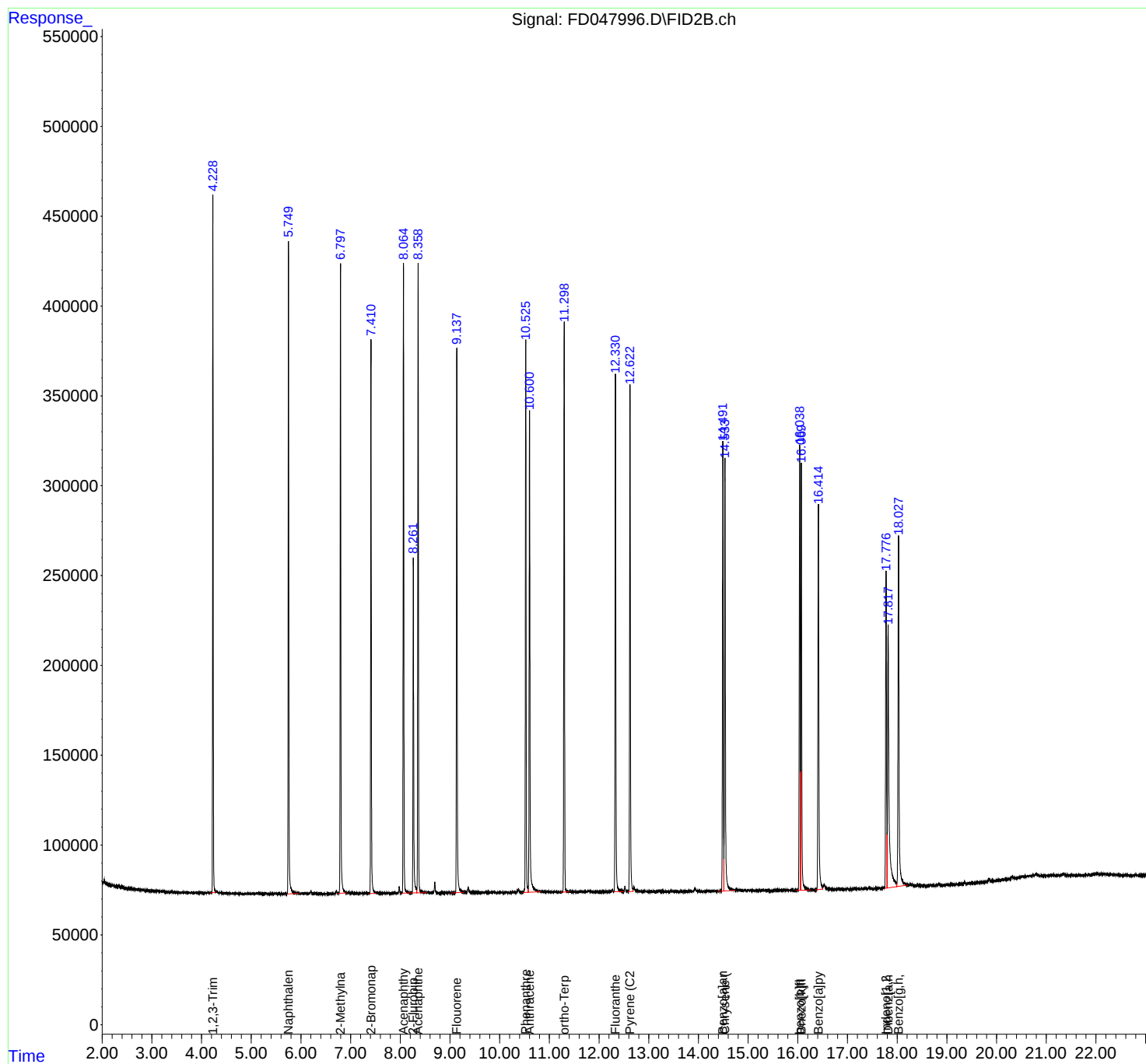
(m)=manual int.

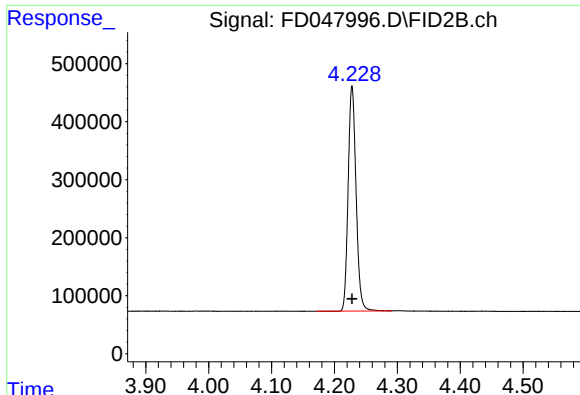
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD071524AR\
Data File : FD047996.D
Signal(s) : FID2B.ch
Acq On : 15 Jul 2024 11:19
Operator : YP/AJ
Sample : 20 PPM AROMATIC HC STD3
Misc :
ALS Vial : 63 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3

Integration File: autoint1.e
Quant Time: Jul 15 12:29:39 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 071524.M
Quant Title : GC Extractables
QLast Update : Mon Jul 15 12:29:11 2024
Response via : Initial Calibration
Integrator: ChemStation

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

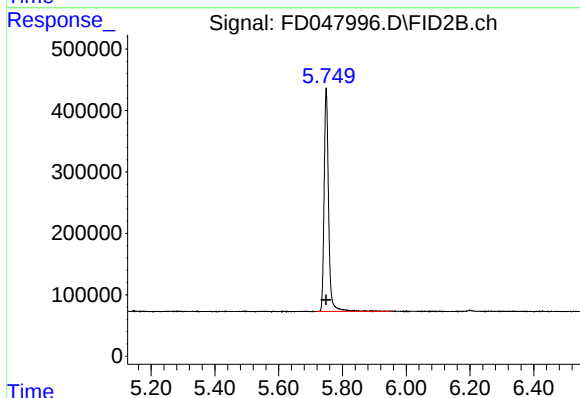




#1 1,2,3-Trimethylbenzene (C10.1)

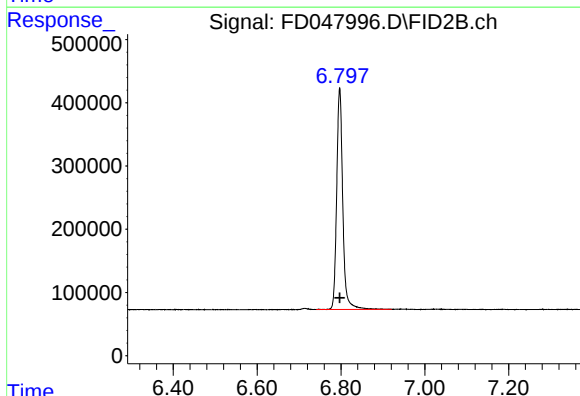
R.T.: 4.228 min
Delta R.T.: 0.000 min
Response: 3393017
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3



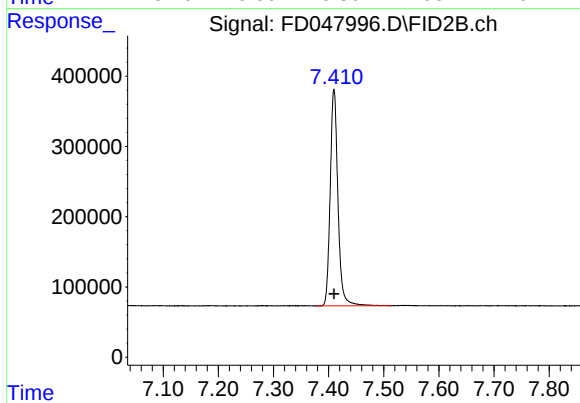
#2 Naphthalene (C11.7)

R.T.: 5.749 min
Delta R.T.: 0.000 min
Response: 3543436
Conc: 20.00 ug/ml



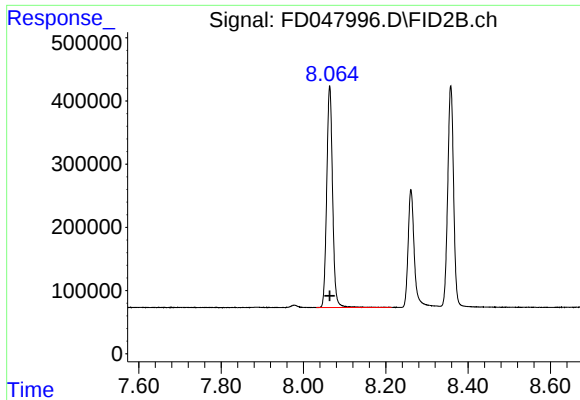
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.797 min
Delta R.T.: 0.000 min
Response: 3529459
Conc: 20.00 ug/ml



#4 2-Bromonaphthalene (SURR)

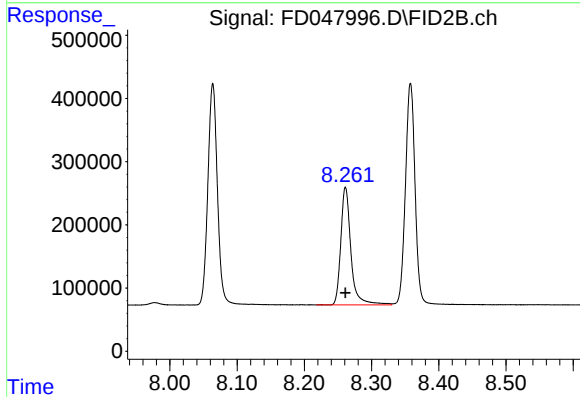
R.T.: 7.410 min
Delta R.T.: 0.000 min
Response: 3008898
Conc: 20.00 ug/ml



#5 Acenaphthylene (C15.06)

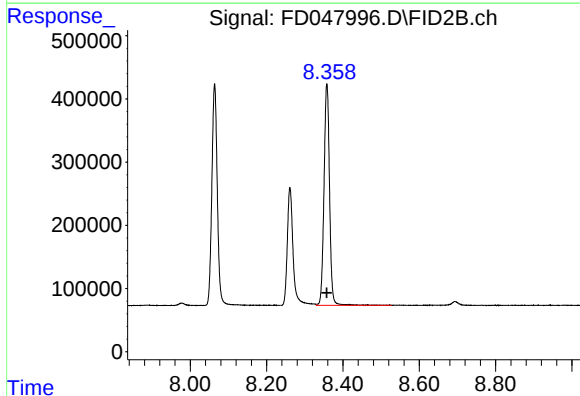
R.T.: 8.064 min
Delta R.T.: 0.000 min
Response: 3471073
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3



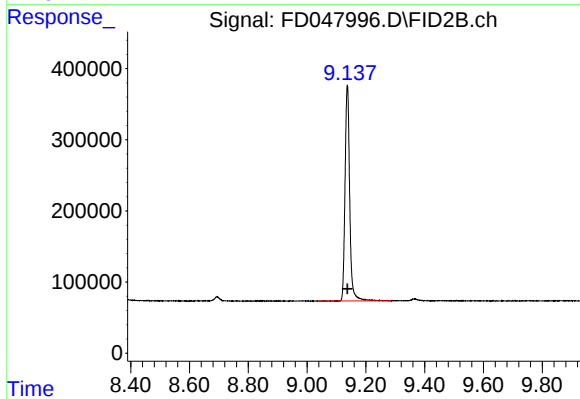
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.261 min
Delta R.T.: 0.000 min
Response: 1948632
Conc: 20.00 ug/ml



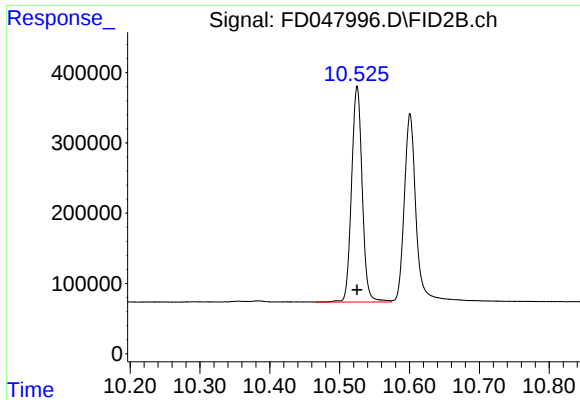
#7 Acenaphthene (C15.5)

R.T.: 8.358 min
Delta R.T.: 0.000 min
Response: 3514959
Conc: 20.00 ug/ml



#8 Flouorene (C16.55)

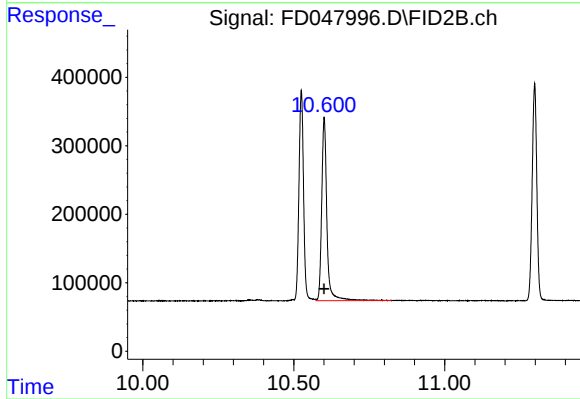
R.T.: 9.137 min
Delta R.T.: 0.000 min
Response: 3329422
Conc: 20.00 ug/ml



#9 Phenanthrene (C19.36)

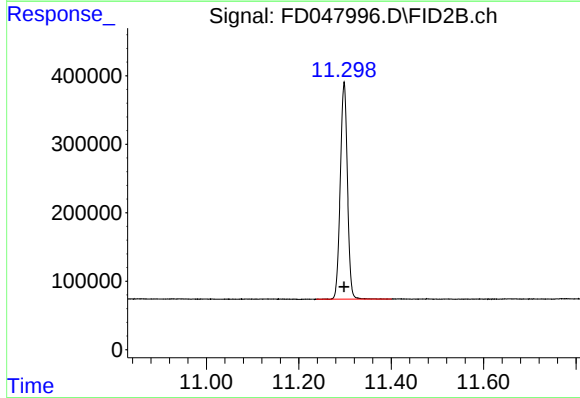
R.T.: 10.525 min
Delta R.T.: 0.000 min
Response: 3249874
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3



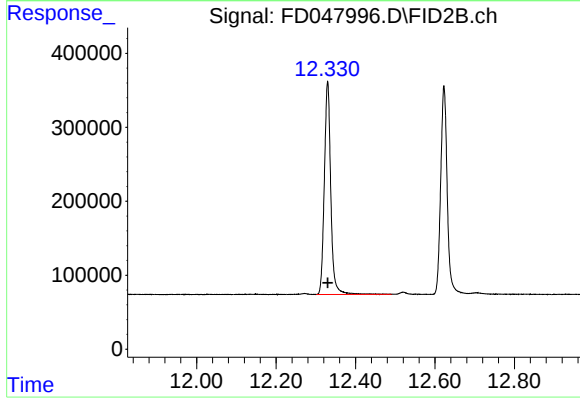
#10 Anthracene (C19.43)

R.T.: 10.601 min
Delta R.T.: 0.000 min
Response: 3213832
Conc: 20.00 ug/ml



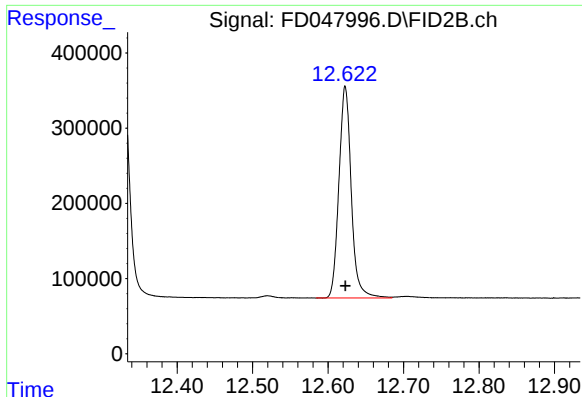
#11 ortho-Terphenyl (SURR)

R.T.: 11.298 min
Delta R.T.: 0.000 min
Response: 3393185
Conc: 20.00 ug/ml



#12 Fluoranthene (C21.85)

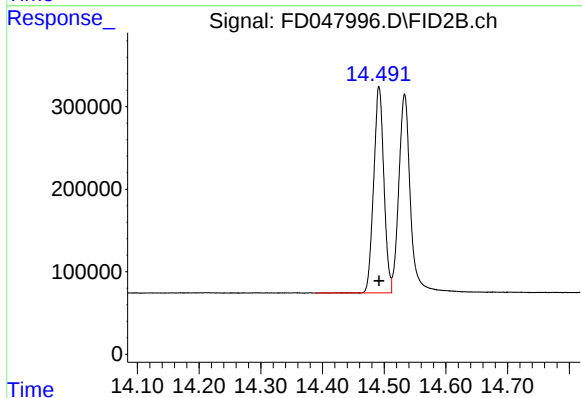
R.T.: 12.330 min
Delta R.T.: 0.000 min
Response: 3242731
Conc: 20.00 ug/ml



#13 Pyrene (C20.8)

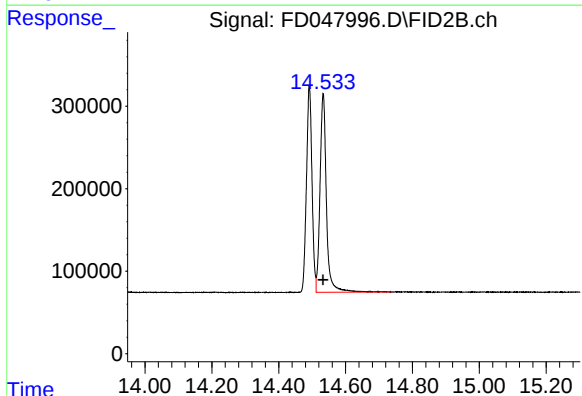
R.T.: 12.623 min
Delta R.T.: 0.000 min
Response: 3204995
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3



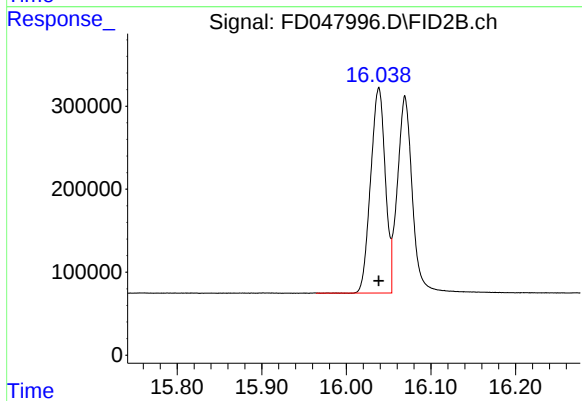
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.492 min
Delta R.T.: 0.000 min
Response: 2868151
Conc: 20.00 ug/ml



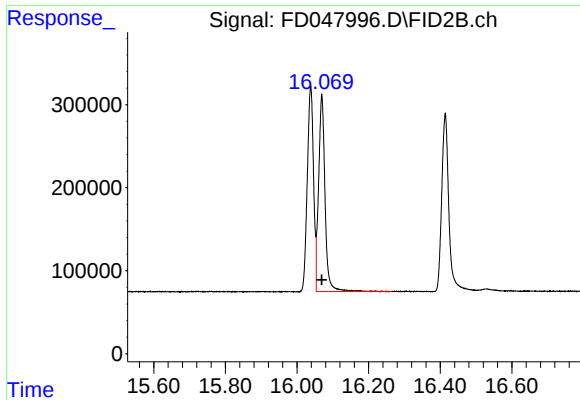
#15 Chrysene (C27.41)

R.T.: 14.533 min
Delta R.T.: 0.000 min
Response: 3202308
Conc: 20.00 ug/ml



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

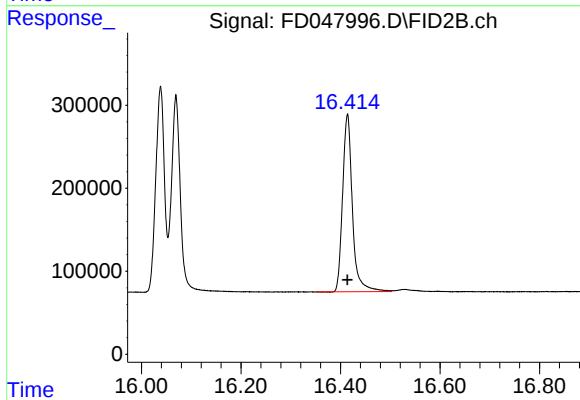
R.T.: 16.038 min
Delta R.T.: 0.000 min
Response: 2976470
Conc: 20.00 ug/ml



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

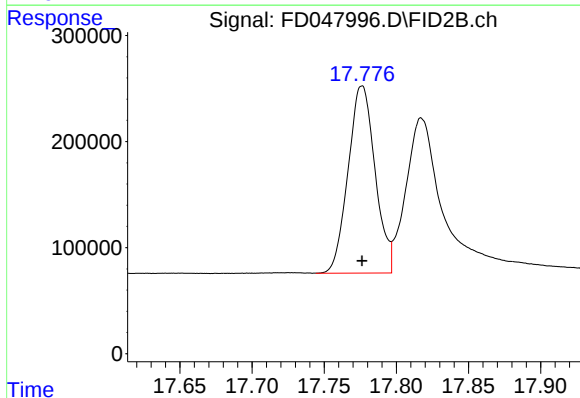
R.T.: 16.069 min
Delta R.T.: 0.000 min
Response: 2953935
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3



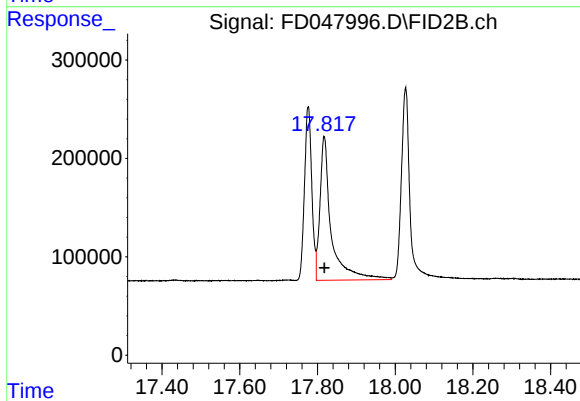
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.414 min
Delta R.T.: 0.000 min
Response: 2935572
Conc: 20.00 ug/ml



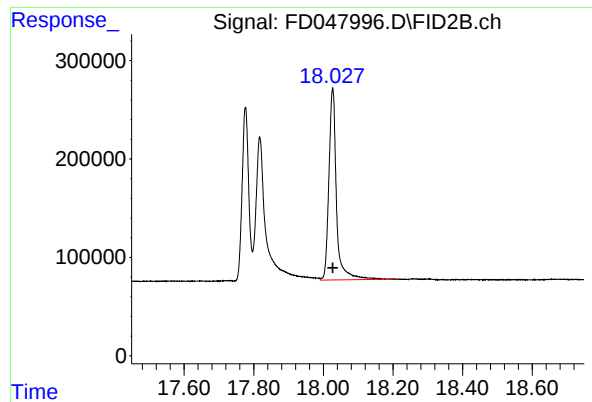
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.776 min
Delta R.T.: 0.000 min
Response: 2299355
Conc: 20.00 ug/ml



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

R.T.: 17.818 min
Delta R.T.: 0.000 min
Response: 2969294
Conc: 20.00 ug/ml



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

R.T.: 18.027 min
Delta R.T.: 0.000 min
Response: 2949583
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\FD071524AR\
Data File : FD047996.D
Signal(s) : FID2B.ch
Acq On : 15 Jul 2024 11:19
Sample : 20 PPM AROMATIC HC STD3
Misc :
ALS Vial : 63 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 071524.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	4.228	4.171	4.291	BV	386753	3393017	95.76%	5.204%
2	5.749	5.718	5.954	PB	361408	3543436	100.00%	5.435%
3	6.797	6.741	6.921	PV	350250	3529459	99.61%	5.413%
4	7.410	7.377	7.514	PV	307360	3008898	84.91%	4.615%
5	8.064	8.031	8.214	PB	350607	3471073	97.96%	5.324%
6	8.261	8.218	8.330	BV	186232	1948632	54.99%	2.989%
7	8.358	8.330	8.528	VV	351312	3514959	99.20%	5.391%
8	9.137	9.031	9.288	BV	305038	3329422	93.96%	5.107%
9	10.525	10.466	10.574	PV	306138	3249874	91.72%	4.985%
10	10.601	10.574	10.824	VV	267580	3213832	90.70%	4.929%
11	11.298	11.238	11.401	PV	315294	3393185	95.76%	5.204%
12	12.330	12.301	12.491	PV	288666	3242731	91.51%	4.974%
13	12.623	12.584	12.684	PV	279239	3204995	90.45%	4.916%
14	14.492	14.390	14.512	PV	251208	2868151	80.94%	4.399%
15	14.533	14.512	14.738	VB	241510	3202308	90.37%	4.912%
16	16.038	15.964	16.054	BV	246761	2976470	84.00%	4.565%
17	16.069	16.054	16.264	VV	234341	2953935	83.36%	4.531%
18	16.414	16.351	16.503	BV	214336	2935572	82.85%	4.503%
19	17.776	17.744	17.797	VV	176969	2299355	64.89%	3.527%
20	17.818	17.797	17.991	VV	146004	2969294	83.80%	4.554%
21	18.027	17.991	18.208	VV	195045	2949583	83.24%	4.524%
Sum of corrected areas:						65198181		

Aromatic EPH 071524.M Mon Jul 15 15:01:18 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD071524AR\
 Data File : FD047997.D
 Signal(s) : FID2B.ch
 Acq On : 15 Jul 2024 11:59
 Operator : YP/AJ
 Sample : 10 PPM AROMATIC HC STD4
 Misc :
 ALS Vial : 64 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 10 PPM AROMATIC HC STD4

Integration File: autoint1.e
 Quant Time: Jul 15 12:39:03 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 071524.M
 Quant Title : GC Extractables
 QLast Update : Mon Jul 15 12:29:11 2024
 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...	7.411	1596227	10.740 ug/ml
Spiked Amount 50.000		Recovery =	21.48%
6) S 2-Fluorobiphenyl (SURR)	8.263	1001034	10.340 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	20.68%
11) S ortho-Terphenyl (SURR)	11.297	1791083	10.707 ug/ml
Spiked Amount 50.000		Recovery =	21.41%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.230	1787015	10.707 ug/ml
2) T Naphthalene (C11.7)	5.751	1837129	10.560 ug/ml
3) T 2-Methylnaphthalene (...)	6.798	1852843	10.643 ug/ml
5) T Acenaphthylene (C15.06)	8.064	1843267	10.751 ug/ml
7) T Acenaphthene (C15.5)	8.358	1864665	10.800 ug/ml
8) T Flouorene (C16.55)	9.138	1716849	10.459 ug/ml
9) T Phenanthrene (C19.36)	10.525	1670269	10.373 ug/ml
10) T Anthracene (C19.43)	10.601	1688810	10.588 ug/ml
12) T Fluoranthene (C21.85)	12.330	1694260	10.544 ug/ml
13) T Pyrene (C20.8)	12.623	1650933	10.408 ug/ml
14) T Benzo[a]anthracene (C...	14.492	1415880	9.875 ug/ml
15) T Chrysene (C27.41)	14.532	1763372	11.105 ug/ml
16) T benzo[b]fluoranthene ...	16.036	1511971	10.166 ug/ml
17) T Bnezo[k]fluoranthene ...	16.068	1608334	10.970 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.417	1487369	10.214 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.780	1082702	9.028 ug/ml
20) T Dibenz[a,h]anthracene...	17.825	1612975	11.179 ug/ml
21) T Benzo[g,h,i]perylene ...	18.027	1591555	10.779 ug/ml

(f)=RT Delta > 1/2 Window

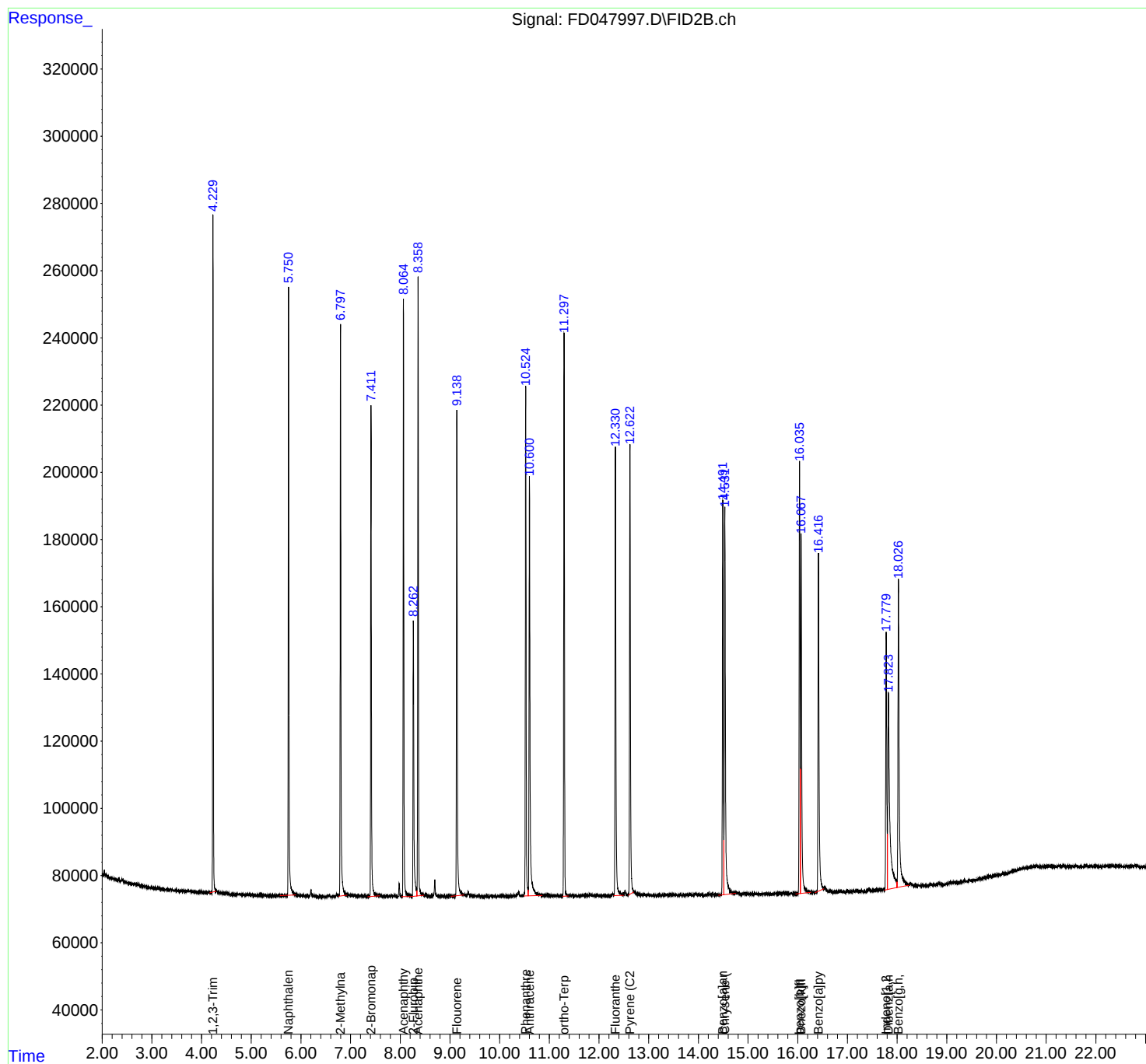
(m)=manual int.

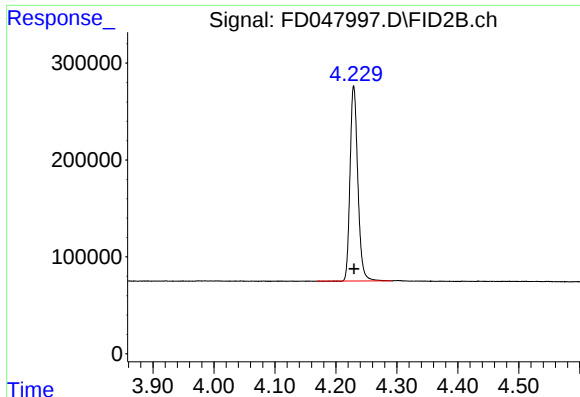
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD071524AR\
Data File : FD047997.D
Signal(s) : FID2B.ch
Acq On : 15 Jul 2024 11:59
Operator : YP/AJ
Sample : 10 PPM AROMATIC HC STD4
Misc :
ALS Vial : 64 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4

Integration File: autoint1.e
Quant Time: Jul 15 12:39:03 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 071524.M
Quant Title : GC Extractables
QLast Update : Mon Jul 15 12:29:11 2024
Response via : Initial Calibration
Integrator: ChemStation

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

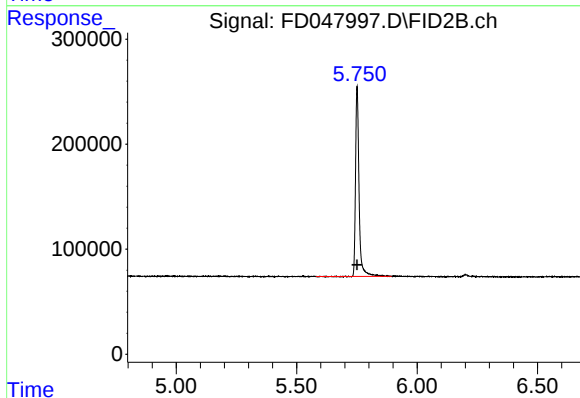




#1 1,2,3-Trimethylbenzene (C10.1)

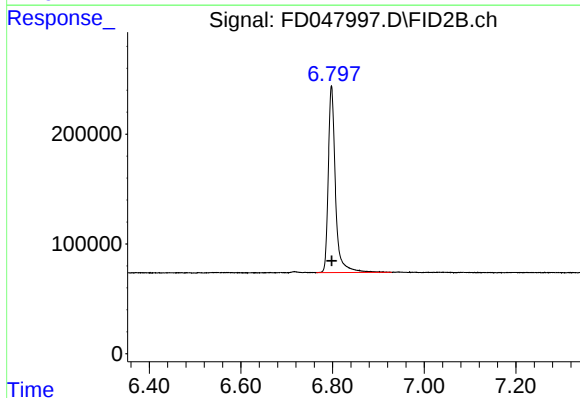
R.T.: 4.230 min
Delta R.T.: 0.000 min
Response: 1787015
Conc: 10.71 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4



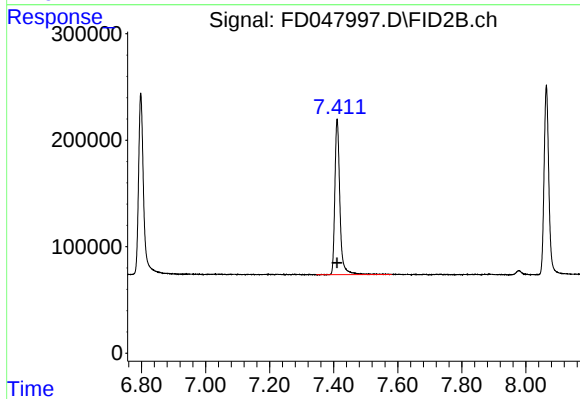
#2 Naphthalene (C11.7)

R.T.: 5.751 min
Delta R.T.: 0.000 min
Response: 1837129
Conc: 10.56 ug/ml



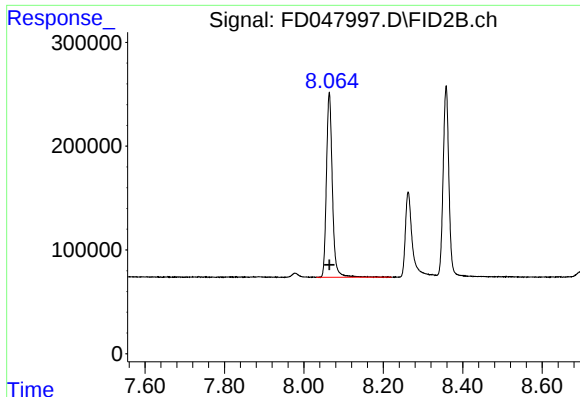
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.798 min
Delta R.T.: 0.000 min
Response: 1852843
Conc: 10.64 ug/ml



#4 2-Bromonaphthalene (SURR)

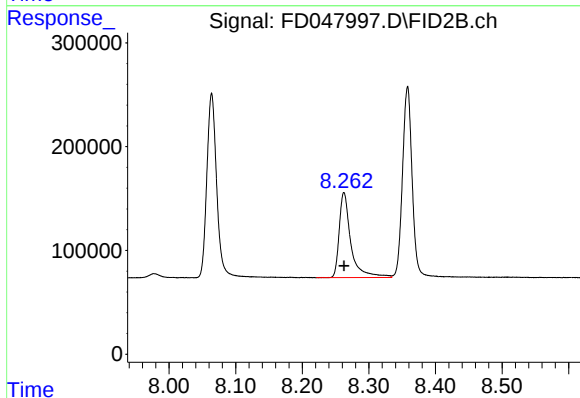
R.T.: 7.411 min
Delta R.T.: 0.000 min
Response: 1596227
Conc: 10.74 ug/ml



#5 Acenaphthylene (C15.06)

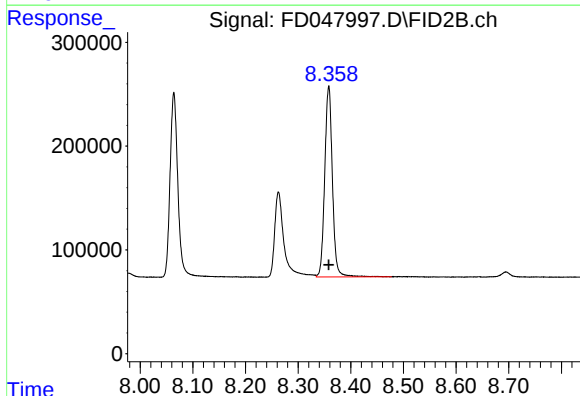
R.T.: 8.064 min
Delta R.T.: 0.000 min
Response: 1843267
Conc: 10.75 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4



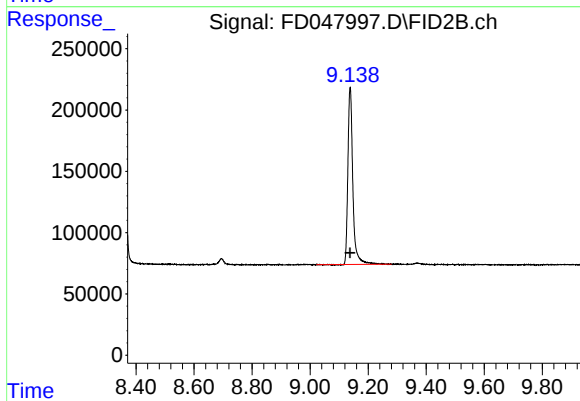
#6 2-Fluorobiphenyl (SURRE)

R.T.: 8.263 min
Delta R.T.: 0.000 min
Response: 1001034
Conc: 10.34 ug/ml



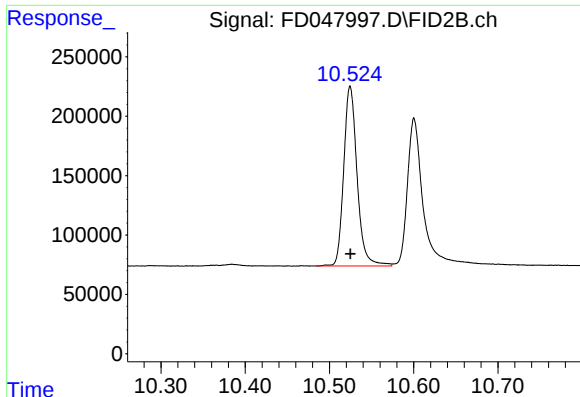
#7 Acenaphthene (C15.5)

R.T.: 8.358 min
Delta R.T.: 0.000 min
Response: 1864665
Conc: 10.80 ug/ml



#8 Fluorene (C16.55)

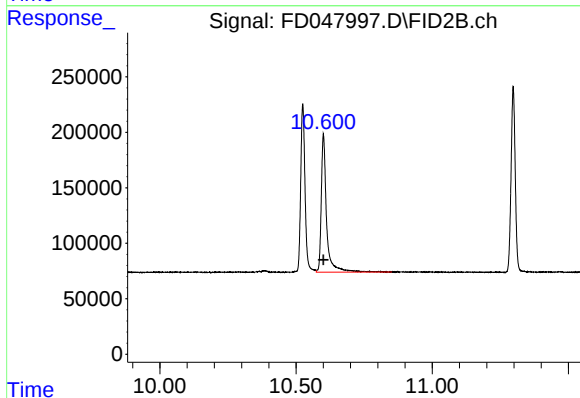
R.T.: 9.138 min
Delta R.T.: 0.000 min
Response: 1716849
Conc: 10.46 ug/ml



#9 Phenanthrene (C19.36)

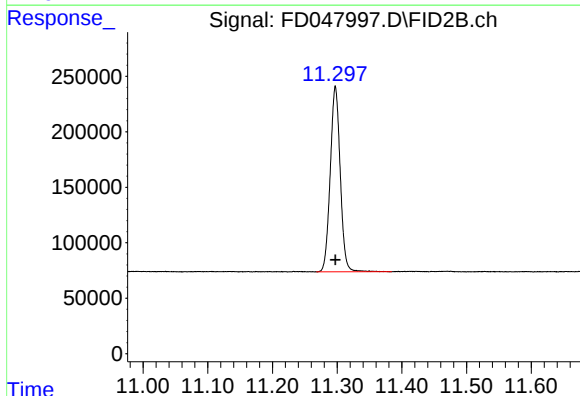
R.T.: 10.525 min
Delta R.T.: 0.000 min
Response: 1670269
Conc: 10.37 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4



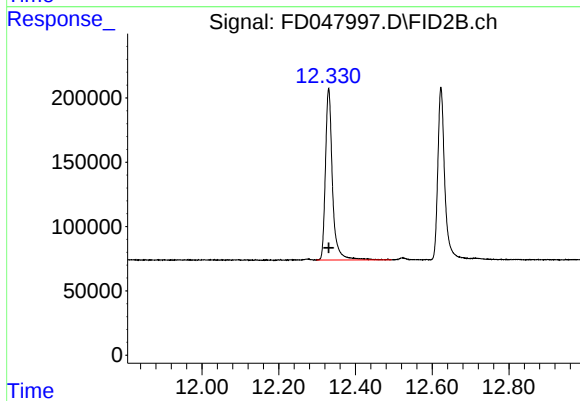
#10 Anthracene (C19.43)

R.T.: 10.601 min
Delta R.T.: 0.000 min
Response: 1688810
Conc: 10.59 ug/ml



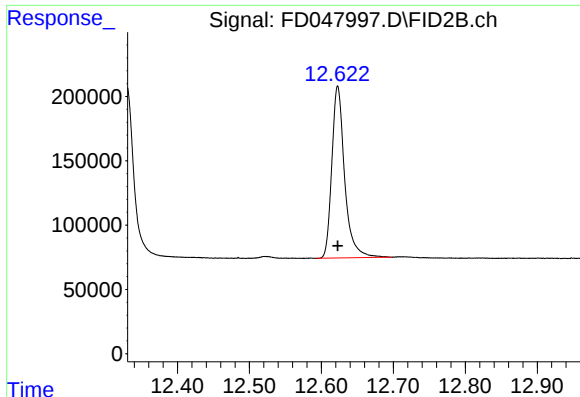
#11 ortho-Terphenyl (SURR)

R.T.: 11.297 min
Delta R.T.: 0.000 min
Response: 1791083
Conc: 10.71 ug/ml



#12 Fluoranthene (C21.85)

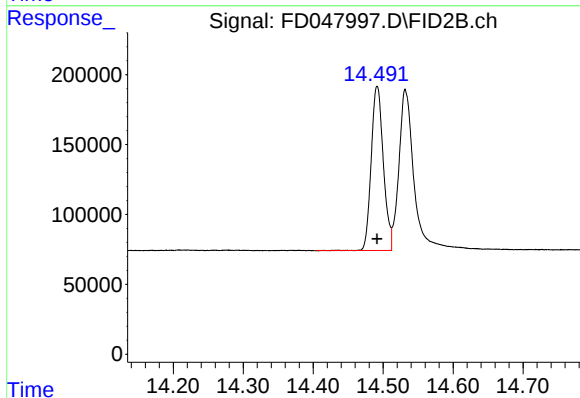
R.T.: 12.330 min
Delta R.T.: 0.000 min
Response: 1694260
Conc: 10.54 ug/ml



#13 Pyrene (C20.8)

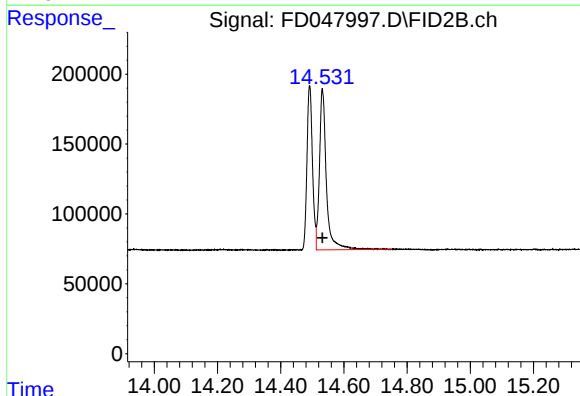
R.T.: 12.623 min
Delta R.T.: 0.000 min
Response: 1650933
Conc: 10.41 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4



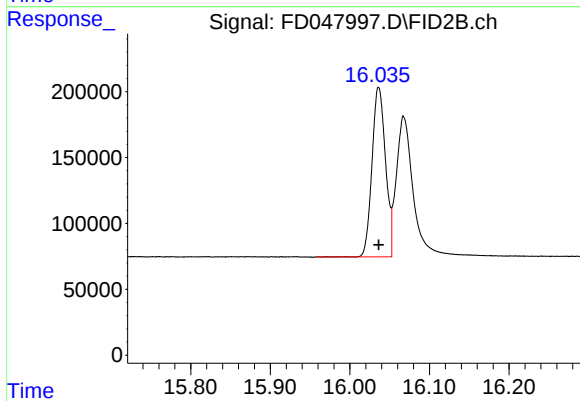
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.492 min
Delta R.T.: 0.000 min
Response: 1415880
Conc: 9.88 ug/ml



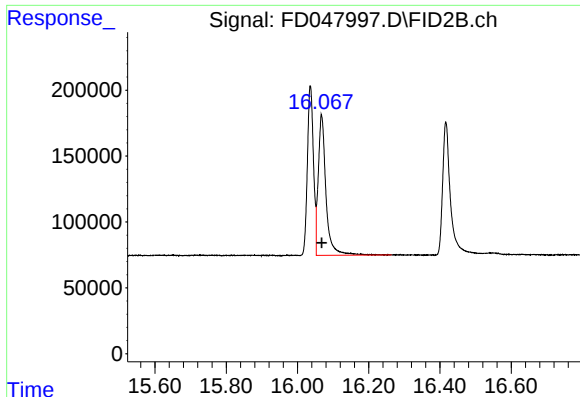
#15 Chrysene (C27.41)

R.T.: 14.532 min
Delta R.T.: 0.000 min
Response: 1763372
Conc: 11.11 ug/ml



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

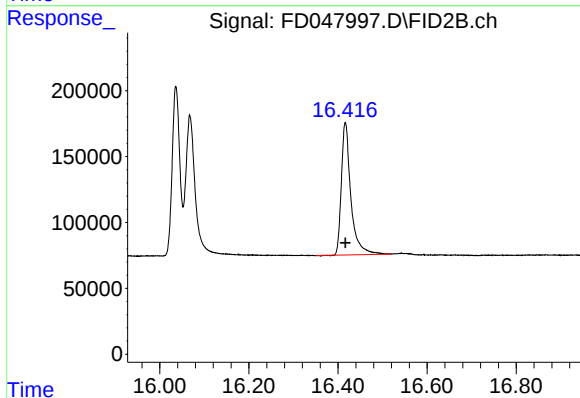
R.T.: 16.036 min
Delta R.T.: 0.000 min
Response: 1511971
Conc: 10.17 ug/ml



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

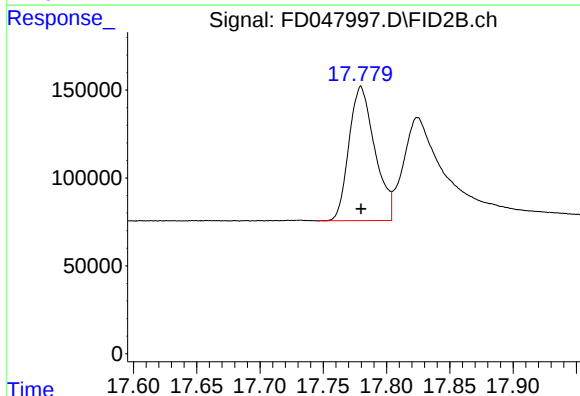
R.T.: 16.068 min
Delta R.T.: 0.000 min
Response: 1608334
Conc: 10.97 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4



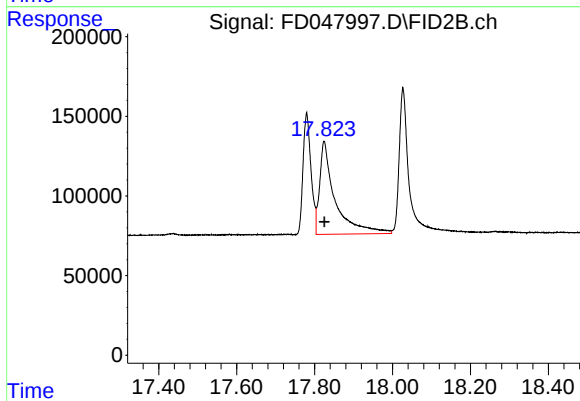
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.417 min
Delta R.T.: 0.000 min
Response: 1487369
Conc: 10.21 ug/ml



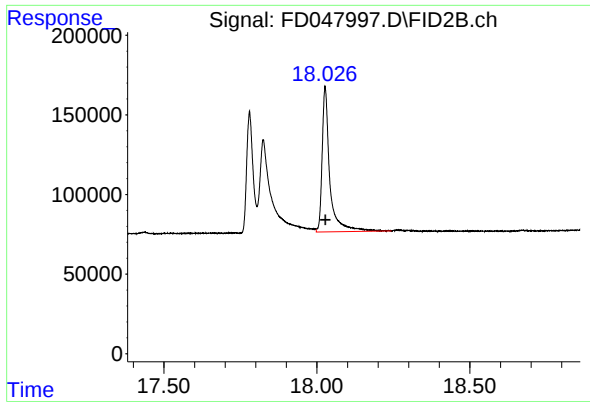
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.780 min
Delta R.T.: 0.000 min
Response: 1082702
Conc: 9.03 ug/ml



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

R.T.: 17.825 min
Delta R.T.: 0.000 min
Response: 1612975
Conc: 11.18 ug/ml



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

R.T.: 18.027 min
Delta R.T.: 0.000 min
Response: 1591555
Conc: 10.78 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD071524AR\
 Data File : FD047997.D
 Signal(s) : FID2B.ch
 Acq On : 15 Jul 2024 11:59
 Sample : 10 PPM AROMATIC HC STD4
 Misc :
 ALS Vial : 64 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 071524.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	4.230	4.168	4.291	BV	198065	1787015	95.84%	5.245%
2	5.751	5.581	5.894	BV	179695	1837129	98.52%	5.392%
3	6.798	6.764	6.929	BV	169833	1852843	99.37%	5.439%
4	7.411	7.345	7.581	PB	145734	1596227	85.60%	4.685%
5	8.064	8.031	8.221	PV	177341	1843267	98.85%	5.410%
6	8.263	8.221	8.334	PV	81258	1001034	53.68%	2.938%
7	8.358	8.334	8.478	VB	183125	1864665	100.00%	5.473%
8	9.138	9.021	9.281	BV	144730	1716849	92.07%	5.039%
9	10.525	10.484	10.574	PV	151281	1670269	89.57%	4.903%
10	10.601	10.574	10.851	VV	123872	1688810	90.57%	4.957%
11	11.297	11.268	11.384	BV	166691	1791083	96.05%	5.257%
12	12.330	12.298	12.494	PV	133081	1694260	90.86%	4.973%
13	12.623	12.593	12.698	PV	132674	1650933	88.54%	4.846%
14	14.492	14.404	14.512	BV	117716	1415880	75.93%	4.156%
15	14.532	14.512	14.751	VB	115526	1763372	94.57%	5.176%
16	16.036	15.958	16.052	BV	128254	1511971	81.09%	4.438%
17	16.068	16.052	16.264	VB	106561	1608334	86.25%	4.721%
18	16.417	16.351	16.520	BV	100287	1487369	79.77%	4.366%
19	17.780	17.744	17.804	PV	75758	1082702	58.06%	3.178%
20	17.825	17.804	17.998	VV	58559	1612975	86.50%	4.734%
21	18.027	17.998	18.244	VV	90754	1591555	85.35%	4.672%
Sum of corrected areas:						34068543		

Aromatic EPH 071524.M Mon Jul 15 15:00:36 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD071524AR\
 Data File : FD047998.D
 Signal(s) : FID2B.ch
 Acq On : 15 Jul 2024 12:39
 Operator : YP/AJ
 Sample : 5 PPM AROMATIC HC STD5
 Misc :
 ALS Vial : 65 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 5 PPM AROMATIC HC STD5

Integration File: autoint1.e
 Quant Time: Jul 15 13:12:30 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 071524.M
 Quant Title : GC Extractables
 QLast Update : Mon Jul 15 13:12:11 2024
 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...	7.413	743174	5.000 ug/ml
Spiked Amount 50.000		Recovery =	10.00%
6) S 2-Fluorobiphenyl (SURR)	8.269	429831	4.542 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	9.08%
11) S ortho-Terphenyl (SURR)	11.298	837407	5.005 ug/ml
Spiked Amount 50.000		Recovery =	10.01%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.230	848288	5.066 ug/ml
2) T Naphthalene (C11.7)	5.753	841050	4.867 ug/ml
3) T 2-Methylnaphthalene (...)	6.801	854923	4.928 ug/ml
5) T Acenaphthylene (C15.06)	8.066	855281	4.991 ug/ml
7) T Acenaphthene (C15.5)	8.359	883796	5.095 ug/ml
8) T Flouorene (C16.55)	9.142	777427	4.787 ug/ml
9) T Phenanthrene (C19.36)	10.529	749994	4.722 ug/ml
10) T Anthracene (C19.43)	10.607	757322	4.796 ug/ml
12) T Fluoranthene (C21.85)	12.336	744669	4.703 ug/ml
13) T Pyrene (C20.8)	12.628	780846	4.938 ug/ml
14) T Benzo[a]anthracene (C...	14.499	545720	3.997 ug/ml
15) T Chrysene (C27.41)	14.537	854269	5.299 ug/ml
16) T benzo[b]fluoranthene ...	16.043	623724	4.333 ug/ml
17) T Bnezo[k]fluoranthene ...	16.076	801593	5.367 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.427	628401	4.437 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.795	421076	3.733 ug/ml
20) T Dibenz[a,h]anthracene...	17.844	747625	5.144 ug/ml
21) T Benzo[g,h,i]perylene ...	18.035	731087	4.961 ug/ml

(f)=RT Delta > 1/2 Window

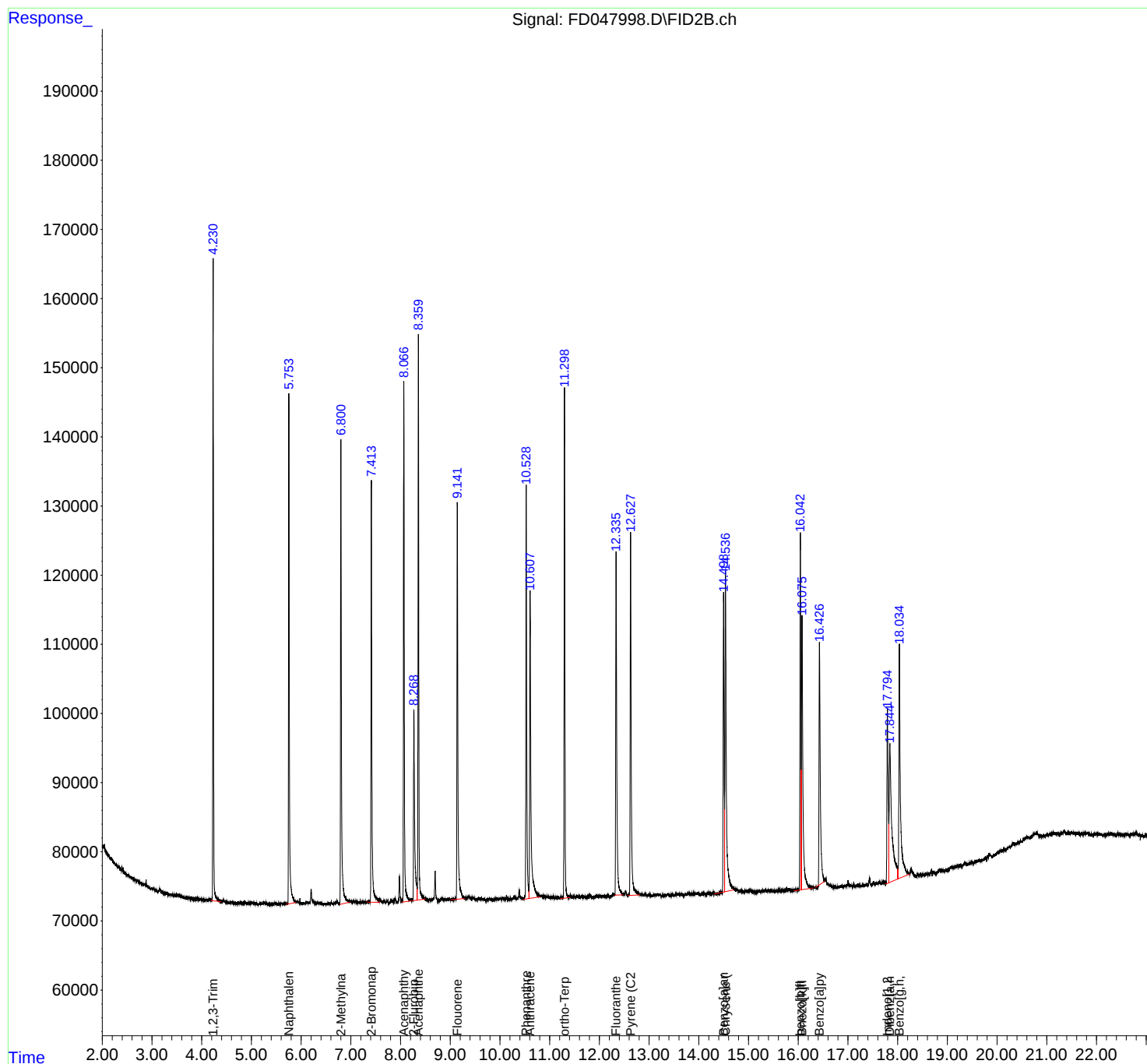
(m)=manual int.

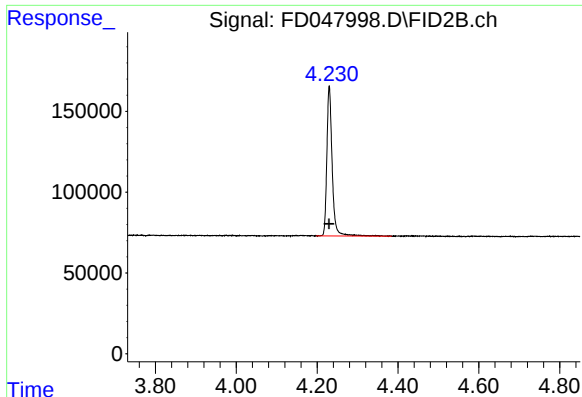
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD071524AR\
Data File : FD047998.D
Signal(s) : FID2B.ch
Acq On : 15 Jul 2024 12:39
Operator : YP/AJ
Sample : 5 PPM AROMATIC HC STD5
Misc :
ALS Vial : 65 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5

Integration File: autoint1.e
Quant Time: Jul 15 13:12:30 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 071524.M
Quant Title : GC Extractables
QLast Update : Mon Jul 15 13:12:11 2024
Response via : Initial Calibration
Integrator: ChemStation

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

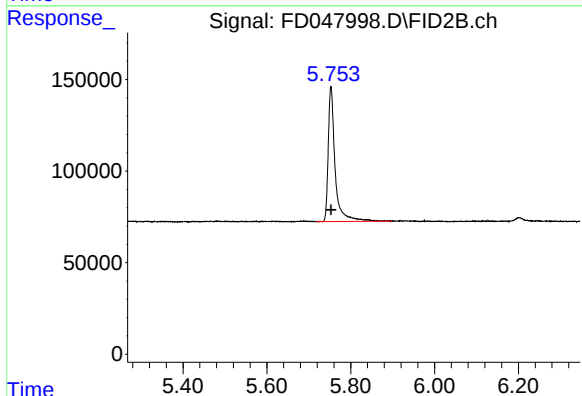




#1 1,2,3-Trimethylbenzene (C10.1)

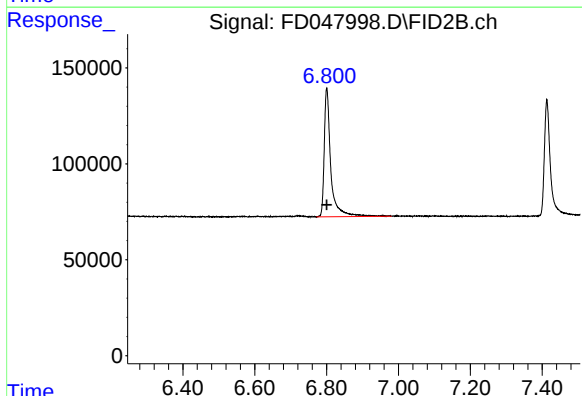
R.T.: 4.230 min
Delta R.T.: 0.000 min
Response: 848288
Conc: 5.07 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5



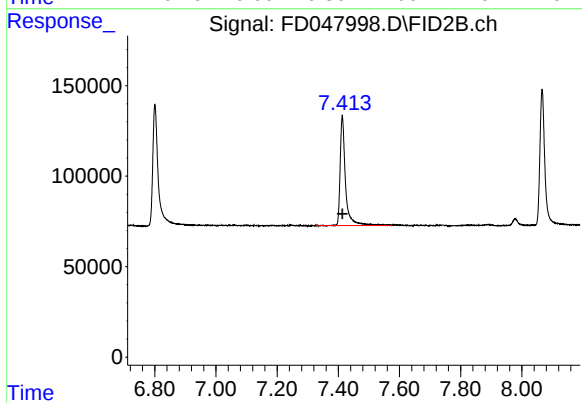
#2 Naphthalene (C11.7)

R.T.: 5.753 min
Delta R.T.: 0.000 min
Response: 841050
Conc: 4.87 ug/ml



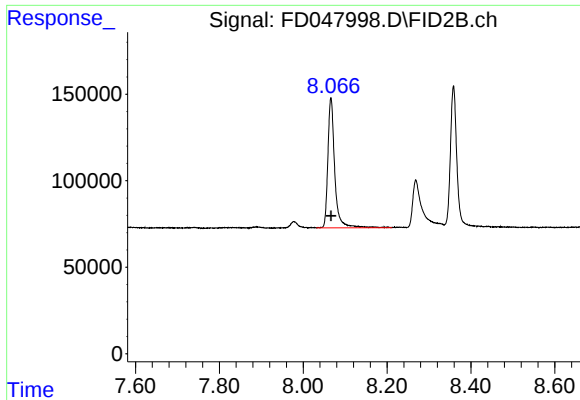
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.801 min
Delta R.T.: 0.000 min
Response: 854923
Conc: 4.93 ug/ml



#4 2-Bromonaphthalene (SURR)

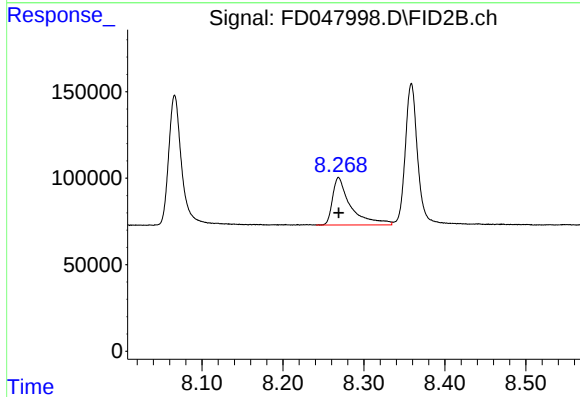
R.T.: 7.413 min
Delta R.T.: 0.000 min
Response: 743174
Conc: 5.00 ug/ml



#5 Acenaphthylene (C15.06)

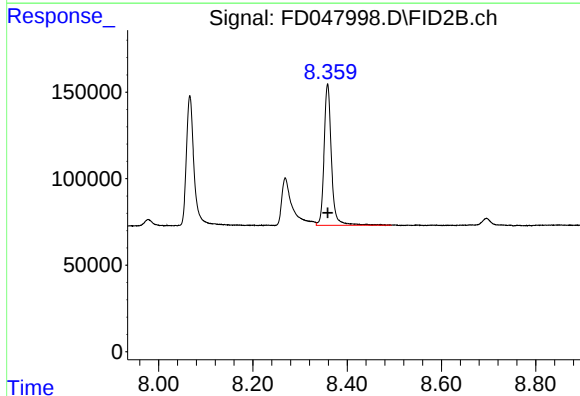
R.T.: 8.066 min
Delta R.T.: 0.000 min
Response: 855281
Conc: 4.99 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5



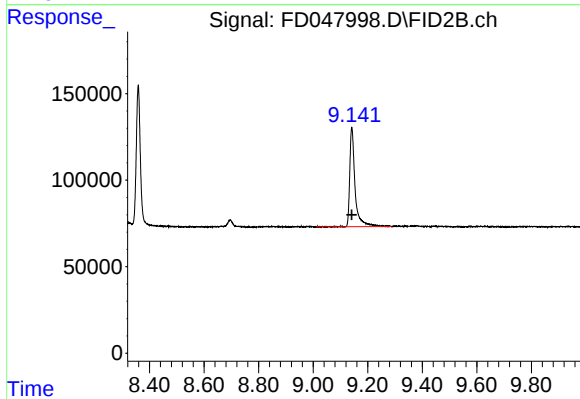
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.269 min
Delta R.T.: 0.000 min
Response: 429831
Conc: 4.54 ug/ml



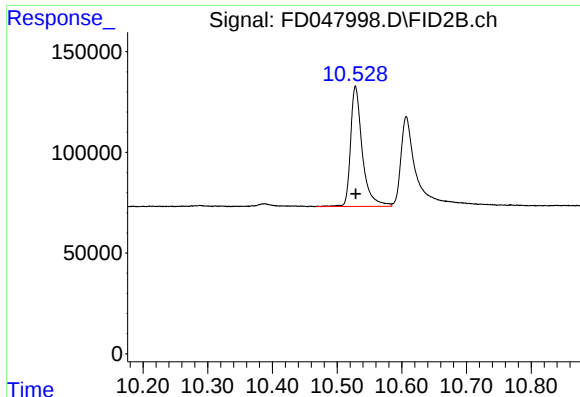
#7 Acenaphthene (C15.5)

R.T.: 8.359 min
Delta R.T.: 0.000 min
Response: 883796
Conc: 5.09 ug/ml



#8 Fluorene (C16.55)

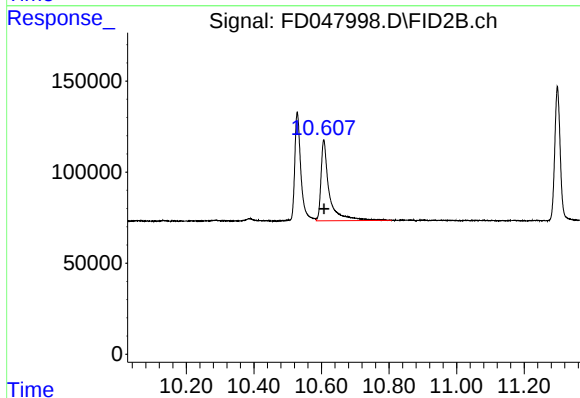
R.T.: 9.142 min
Delta R.T.: 0.000 min
Response: 777427
Conc: 4.79 ug/ml



#9 Phenanthrene (C19.36)

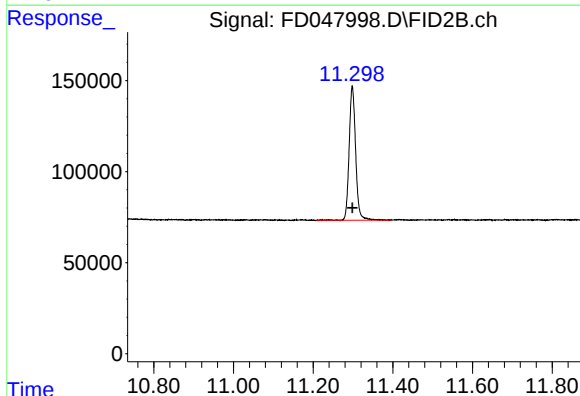
R.T.: 10.529 min
Delta R.T.: 0.000 min
Response: 749994
Conc: 4.72 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5



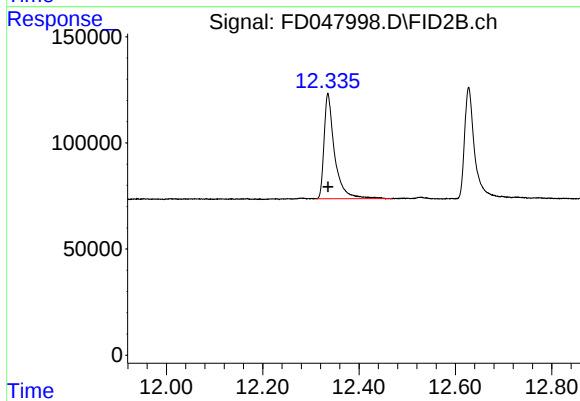
#10 Anthracene (C19.43)

R.T.: 10.607 min
Delta R.T.: 0.000 min
Response: 757322
Conc: 4.80 ug/ml



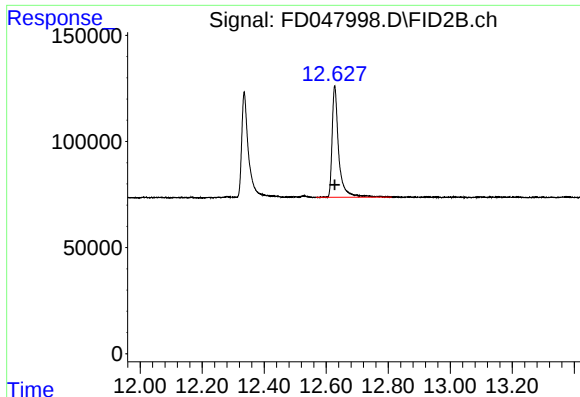
#11 ortho-Terphenyl (SURR)

R.T.: 11.298 min
Delta R.T.: 0.000 min
Response: 837407
Conc: 5.00 ug/ml



#12 Fluoranthene (C21.85)

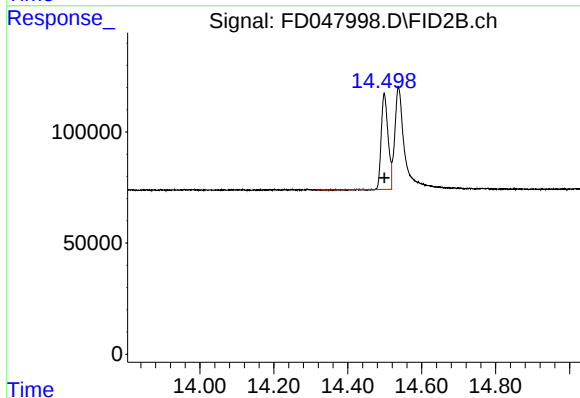
R.T.: 12.336 min
Delta R.T.: 0.000 min
Response: 744669
Conc: 4.70 ug/ml



#13 Pyrene (C20.8)

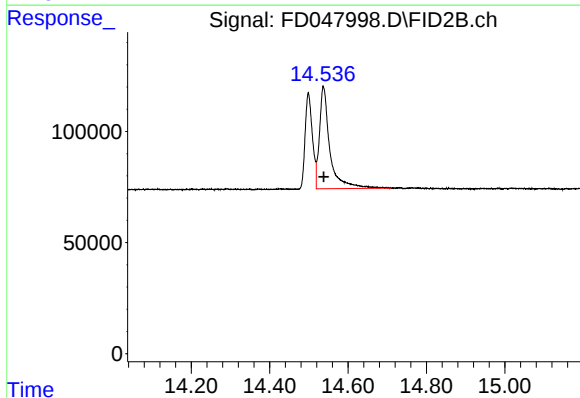
R.T.: 12.628 min
Delta R.T.: 0.000 min
Response: 780846
Conc: 4.94 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5



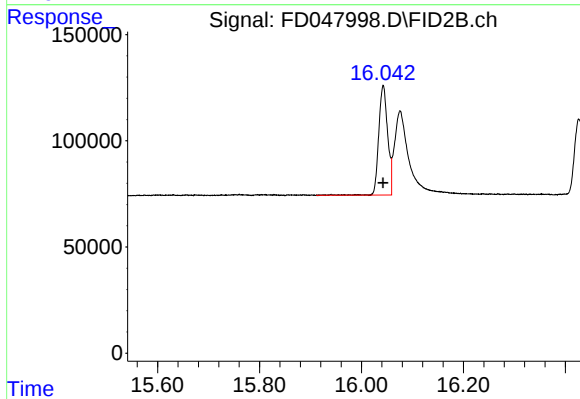
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.499 min
Delta R.T.: 0.000 min
Response: 545720
Conc: 4.00 ug/ml



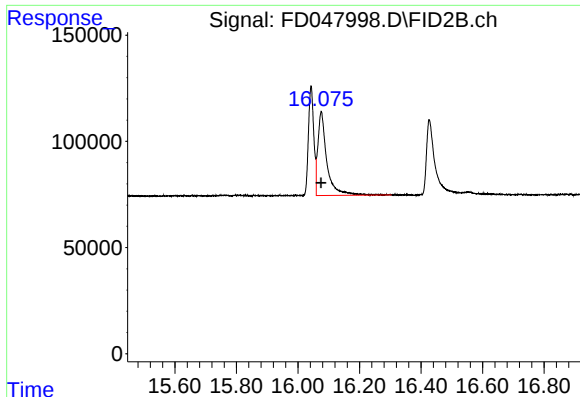
#15 Chrysene (C27.41)

R.T.: 14.537 min
Delta R.T.: 0.000 min
Response: 854269
Conc: 5.30 ug/ml



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

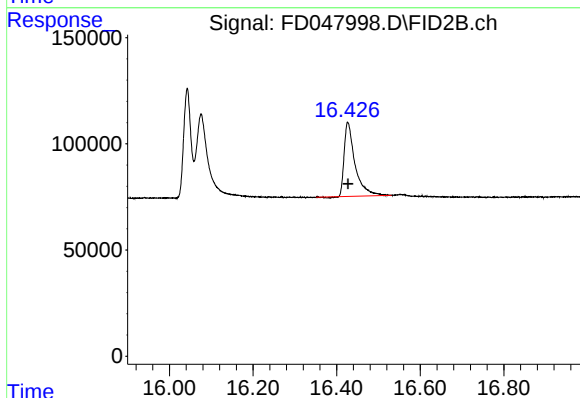
R.T.: 16.043 min
Delta R.T.: 0.000 min
Response: 623724
Conc: 4.33 ug/ml



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

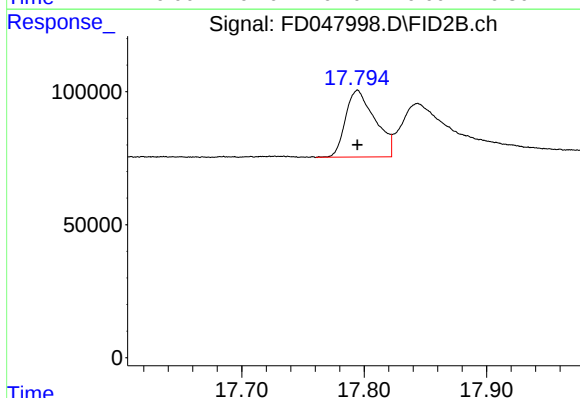
R.T.: 16.076 min
Delta R.T.: 0.000 min
Response: 801593
Conc: 5.37 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5



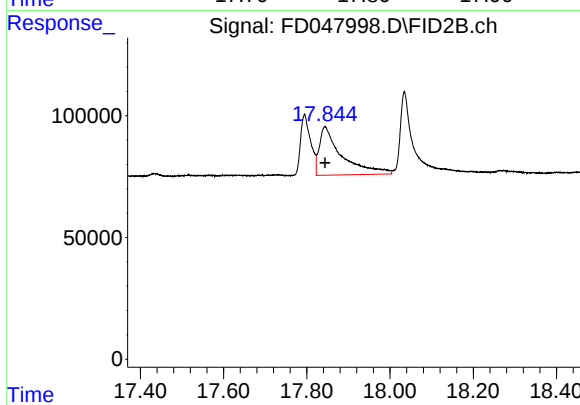
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.427 min
Delta R.T.: 0.000 min
Response: 628401
Conc: 4.44 ug/ml



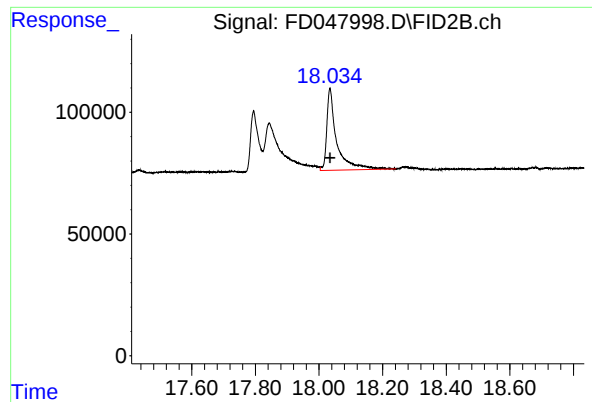
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.795 min
Delta R.T.: 0.000 min
Response: 421076
Conc: 3.73 ug/ml



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

R.T.: 17.844 min
Delta R.T.: 0.000 min
Response: 747625
Conc: 5.14 ug/ml



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

R.T.: 18.035 min
Delta R.T.: 0.000 min
Response: 731087
Conc: 4.96 ug/ml

Instrument :

FID_D

ClientSampleId :

5 PPM AROMATIC HC STD5

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD071524AR\
Data File : FD047998.D
Signal(s) : FID2B.ch
Acq On : 15 Jul 2024 12:39
Sample : 5 PPM AROMATIC HC STD5
Misc :
ALS Vial : 65 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 071524.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	4.230	4.198	4.384	BB	91524	848288	95.98%	5.488%
2	5.753	5.718	5.898	BV	72895	841050	95.16%	5.441%
3	6.801	6.771	6.981	PB	66799	854923	96.73%	5.531%
4	7.413	7.328	7.574	BV	59871	743174	84.09%	4.808%
5	8.066	8.031	8.211	VV	74925	855281	96.77%	5.533%
6	8.269	8.241	8.334	VV	27428	429831	48.63%	2.781%
7	8.359	8.334	8.494	VB	81417	883796	100.00%	5.718%
8	9.142	9.011	9.288	BV	57307	777427	87.96%	5.029%
9	10.529	10.468	10.584	PV	59577	749994	84.86%	4.852%
10	10.607	10.584	10.808	VV	44330	757322	85.69%	4.899%
11	11.298	11.208	11.397	BV	73424	837407	94.75%	5.417%
12	12.336	12.311	12.468	BB	49443	744669	84.26%	4.818%
13	12.628	12.568	12.811	BV	52415	780846	88.35%	5.052%
14	14.499	14.314	14.518	BV	43107	545720	61.75%	3.530%
15	14.537	14.518	14.711	VV	45720	854269	96.66%	5.527%
16	16.043	15.911	16.059	BV	51301	623724	70.57%	4.035%
17	16.076	16.059	16.304	VB	39417	801593	90.70%	5.186%
18	16.427	16.351	16.532	BV	34689	628401	71.10%	4.065%
19	17.795	17.761	17.822	PV	25100	421076	47.64%	2.724%
20	17.844	17.822	18.004	VV	19980	747625	84.59%	4.837%
21	18.035	18.004	18.241	VV	33728	731087	82.72%	4.730%
Sum of corrected areas:						15457502		

Aromatic EPH 071524.M Mon Jul 15 15:00:08 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD071524AR\
 Data File : FD047999.D
 Signal(s) : FID2B.ch
 Acq On : 15 Jul 2024 13:20
 Operator : YP/AJ
 Sample : 20 PPM AROMATIC HC STD ICV
 Misc :
 ALS Vial : 66 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 20 PPM AROMATIC HC STD ICV

Integration File: autoint1.e
 Quant Time: Jul 15 14:56:50 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 071524.M
 Quant Title : GC Extractables
 QLast Update : Mon Jul 15 13:13:15 2024
 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...	7.410	3026243	20.362 ug/ml
Spiked Amount 50.000		Recovery =	40.72%
6) S 2-Fluorobiphenyl (SURR)	8.261	1951177	20.617 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	41.23%
11) S ortho-Terphenyl (SURR)	11.298	3376488	20.180 ug/ml
Spiked Amount 50.000		Recovery =	40.36%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.230	3373104	20.144 ug/ml
2) T Naphthalene (C11.7)	5.750	3519596	20.366 ug/ml
3) T 2-Methylnaphthalene (...)	6.797	3516690	20.272 ug/ml
5) T Acenaphthylene (C15.06)	8.064	3461021	20.196 ug/ml
7) T Acenaphthene (C15.5)	8.358	3488875	20.112 ug/ml
8) T Flouorene (C16.55)	9.138	3347027	20.607 ug/ml
9) T Phenanthrene (C19.36)	10.525	3226722	20.318 ug/ml
10) T Anthracene (C19.43)	10.601	3169020	20.070 ug/ml
12) T Fluoranthene (C21.85)	12.330	3230480	20.403 ug/ml
13) T Pyrene (C20.8)	12.623	3191451	20.183 ug/ml
14) T Benzo[a]anthracene (C...	14.492	2843521	20.827 ug/ml
15) T Chrysene (C27.41)	14.533	3159821	19.601 ug/ml
16) T benzo[b]fluoranthene ...	16.038	2952262	20.511 ug/ml
17) T Bnezo[k]fluoranthene ...	16.069	2921600	19.561 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.414	2909125	20.539 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.777	2277317	20.191 ug/ml
20) T Dibenz[a,h]anthracene...	17.817	2903935	19.981 ug/ml
21) T Benzo[g,h,i]perylene ...	18.026	2947486	20.001 ug/ml

(f)=RT Delta > 1/2 Window

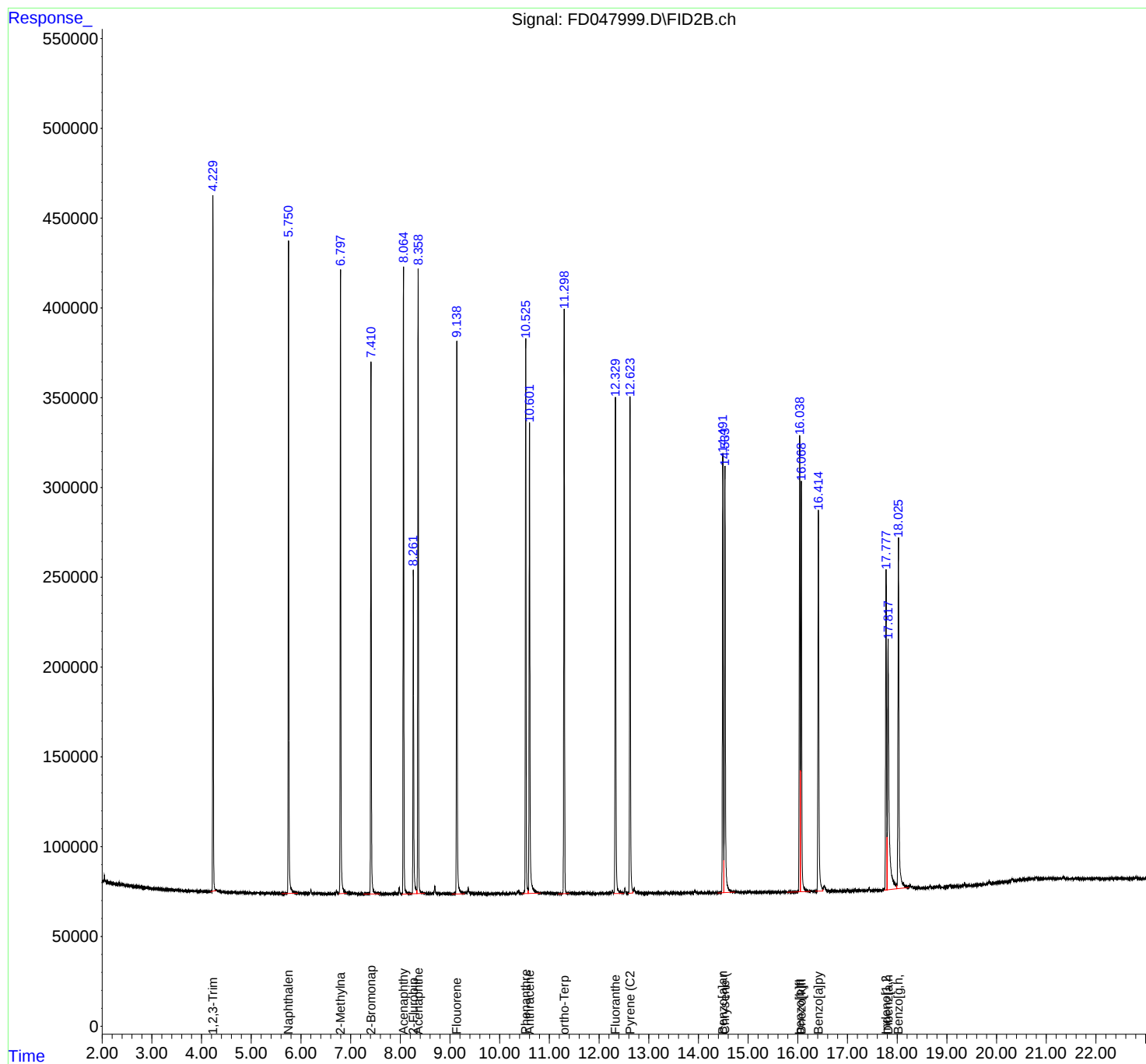
(m)=manual int.

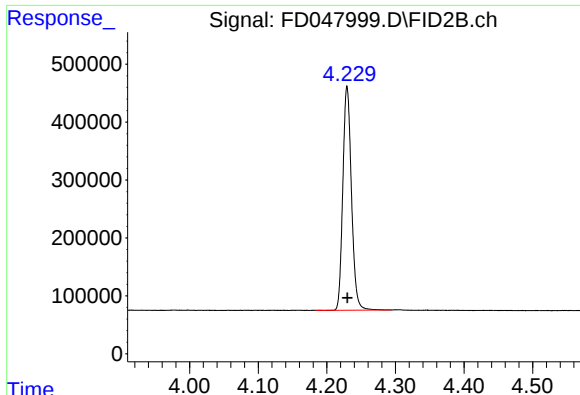
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD071524AR\
Data File : FD047999.D
Signal(s) : FID2B.ch
Acq On : 15 Jul 2024 13:20
Operator : YP/AJ
Sample : 20 PPM AROMATIC HC STD ICV
Misc :
ALS Vial : 66 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD ICV

Integration File: autoint1.e
Quant Time: Jul 15 14:56:50 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 071524.M
Quant Title : GC Extractables
QLast Update : Mon Jul 15 13:13:15 2024
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)

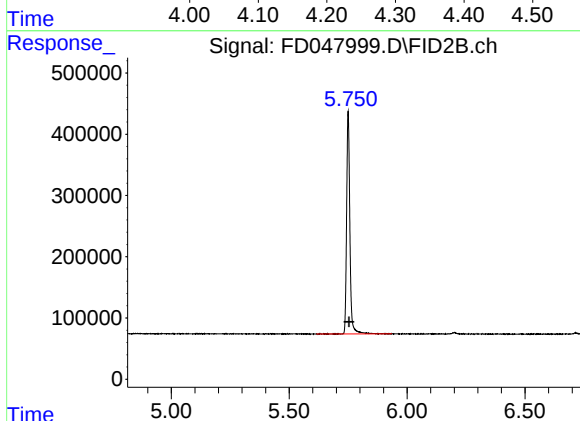
R.T.: 4.230 min
Delta R.T.: 0.000 min
Response: 3373104
Conc: 20.14 ug/ml

Instrument :

FID_D

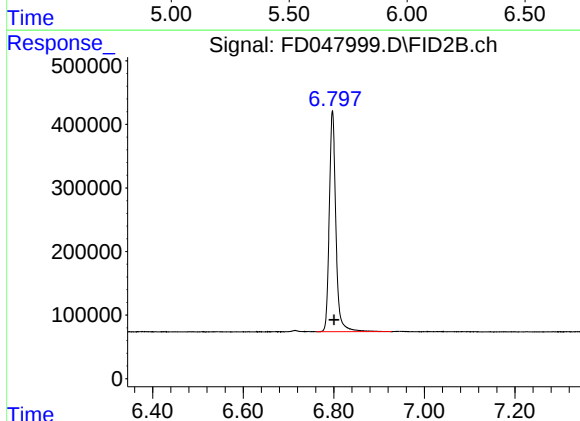
ClientSampleId :

20 PPM AROMATIC HC STD ICV



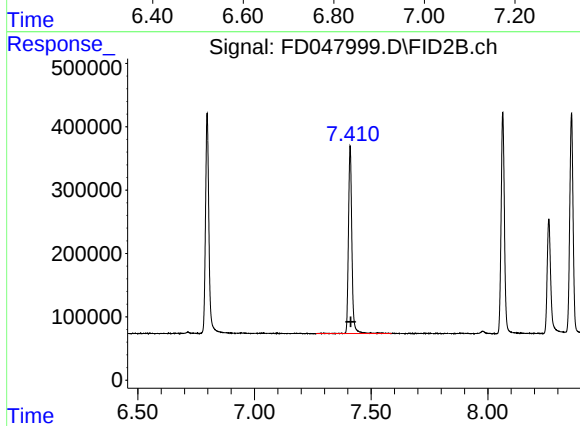
#2 Naphthalene (C11.7)

R.T.: 5.750 min
Delta R.T.: -0.003 min
Response: 3519596
Conc: 20.37 ug/ml



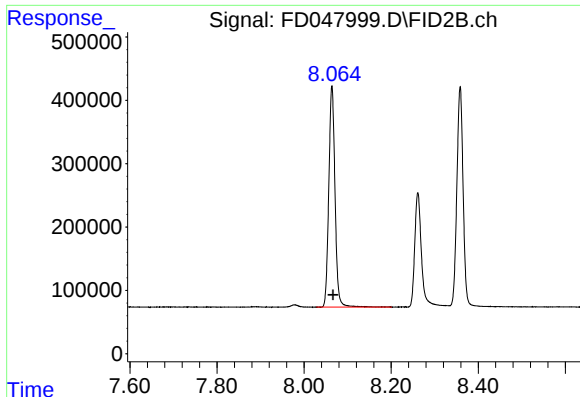
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.797 min
Delta R.T.: -0.004 min
Response: 3516690
Conc: 20.27 ug/ml



#4 2-Bromonaphthalene (SURR)

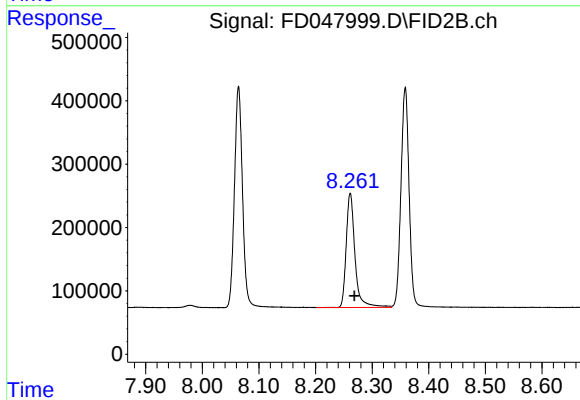
R.T.: 7.410 min
Delta R.T.: -0.003 min
Response: 3026243
Conc: 20.36 ug/ml



#5 Acenaphthylene (C15.06)

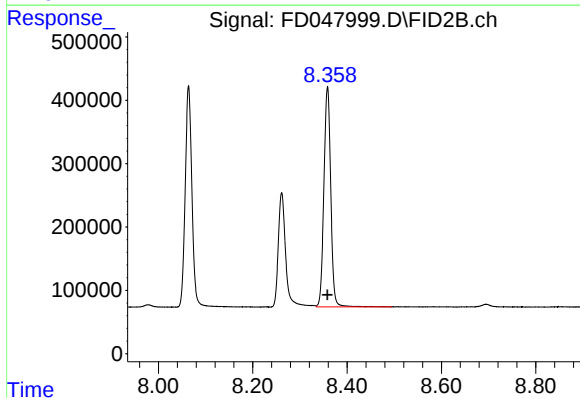
R.T.: 8.064 min
Delta R.T.: -0.002 min
Response: 3461021
Conc: 20.20 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD ICV



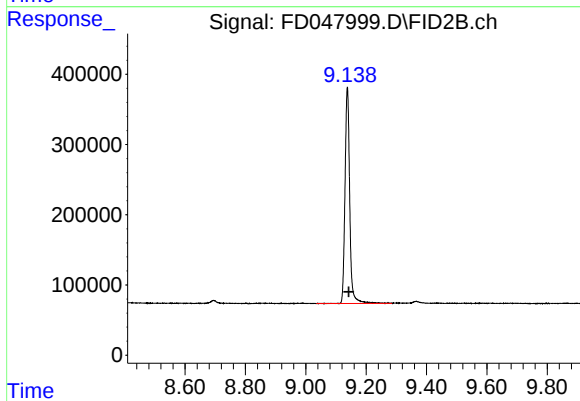
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.261 min
Delta R.T.: -0.008 min
Response: 1951177
Conc: 20.62 ug/ml



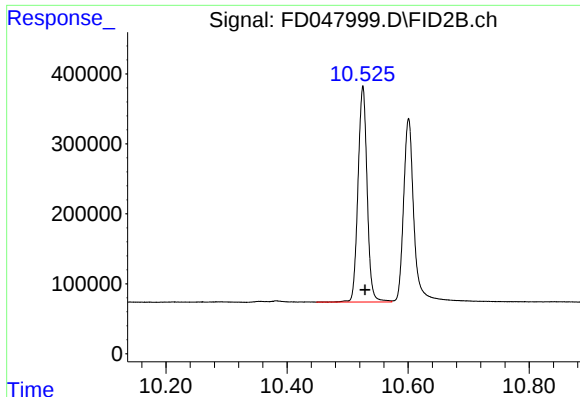
#7 Acenaphthene (C15.5)

R.T.: 8.358 min
Delta R.T.: 0.000 min
Response: 3488875
Conc: 20.11 ug/ml



#8 Fluorene (C16.55)

R.T.: 9.138 min
Delta R.T.: -0.004 min
Response: 3347027
Conc: 20.61 ug/ml



#9 Phenanthrene (C19.36)

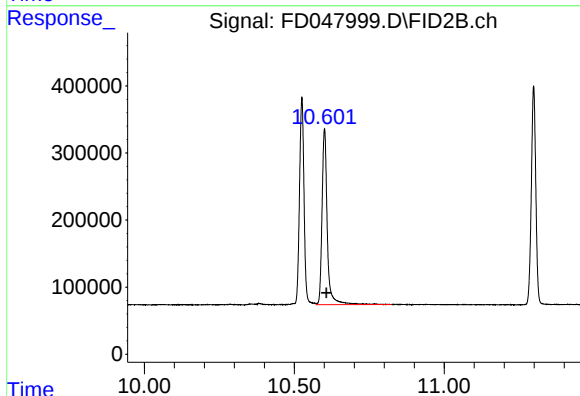
R.T.: 10.525 min
Delta R.T.: -0.004 min
Response: 3226722
Conc: 20.32 ug/ml

Instrument :

FID_D

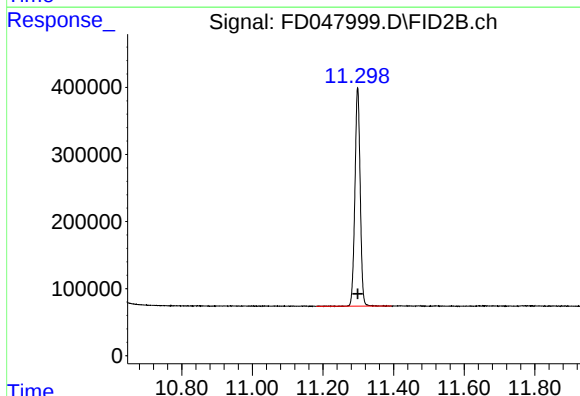
ClientSampleId :

20 PPM AROMATIC HC STD ICV



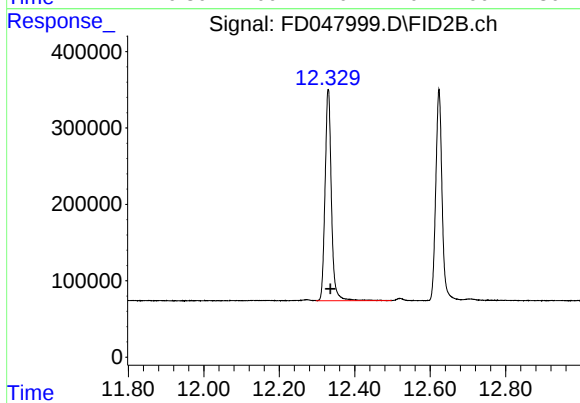
#10 Anthracene (C19.43)

R.T.: 10.601 min
Delta R.T.: -0.006 min
Response: 3169020
Conc: 20.07 ug/ml



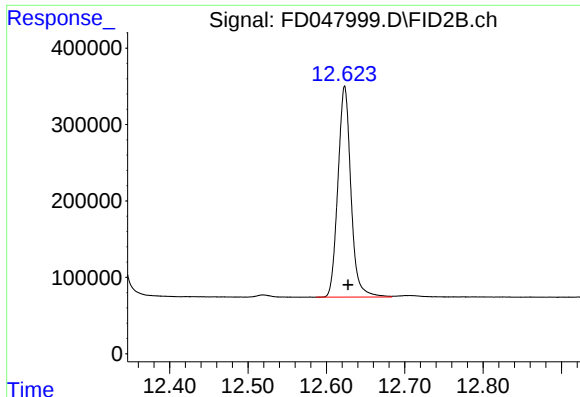
#11 ortho-Terphenyl (SURR)

R.T.: 11.298 min
Delta R.T.: 0.000 min
Response: 3376488
Conc: 20.18 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.330 min
Delta R.T.: -0.006 min
Response: 3230480
Conc: 20.40 ug/ml



#13 Pyrene (C20.8)

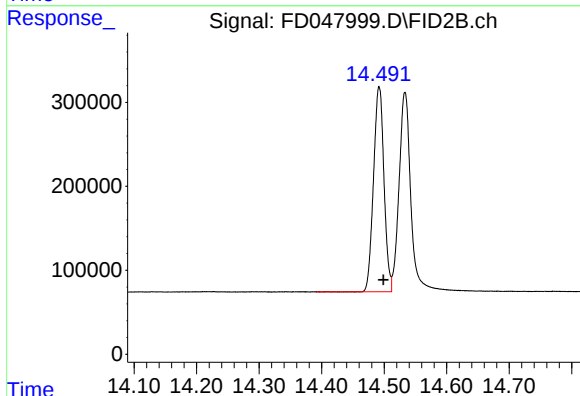
R.T.: 12.623 min
Delta R.T.: -0.004 min
Response: 3191451
Conc: 20.18 ug/ml

Instrument :

FID_D

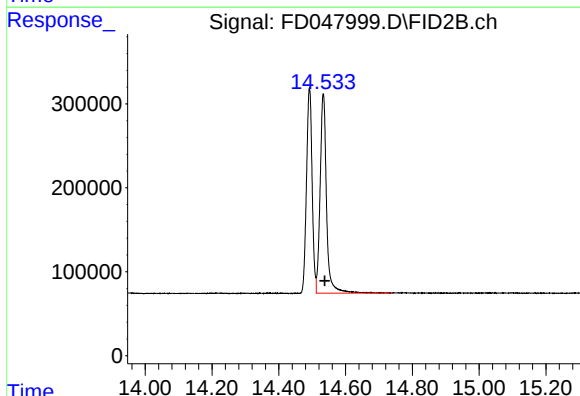
ClientSampleId :

20 PPM AROMATIC HC STD ICV



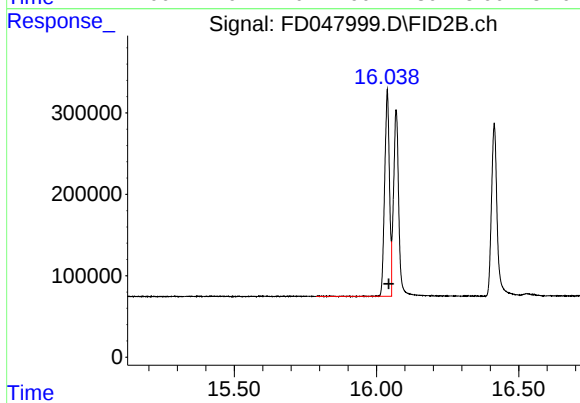
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.492 min
Delta R.T.: -0.007 min
Response: 2843521
Conc: 20.83 ug/ml



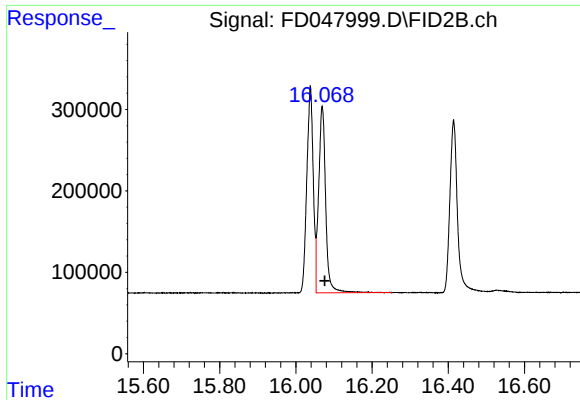
#15 Chrysene (C27.41)

R.T.: 14.533 min
Delta R.T.: -0.004 min
Response: 3159821
Conc: 19.60 ug/ml



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

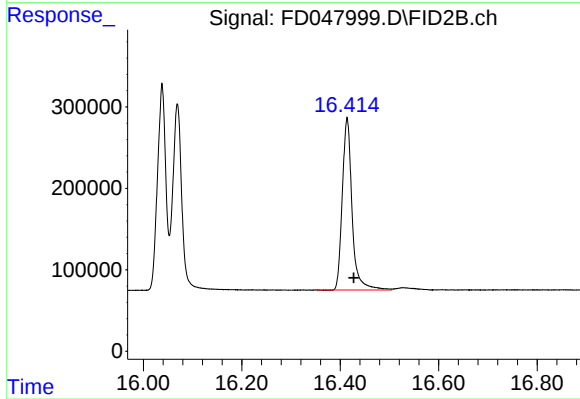
R.T.: 16.038 min
Delta R.T.: -0.005 min
Response: 2952262
Conc: 20.51 ug/ml



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

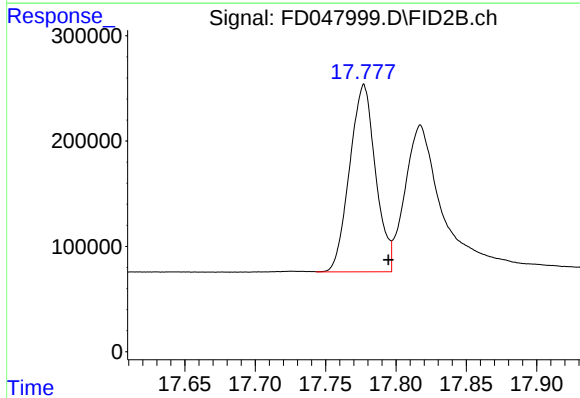
R.T.: 16.069 min
Delta R.T.: -0.007 min
Response: 2921600
Conc: 19.56 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD ICV



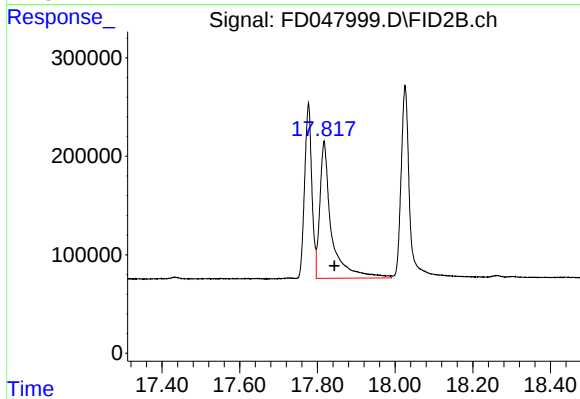
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.414 min
Delta R.T.: -0.013 min
Response: 2909125
Conc: 20.54 ug/ml



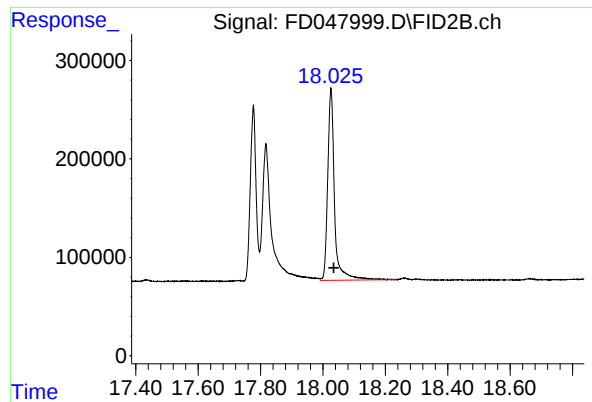
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.777 min
Delta R.T.: -0.018 min
Response: 2277317
Conc: 20.19 ug/ml



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

R.T.: 17.817 min
Delta R.T.: -0.026 min
Response: 2903935
Conc: 19.98 ug/ml



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

R.T.: 18.026 min
Delta R.T.: -0.009 min
Response: 2947486
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD ICV

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD071524AR\
Data File : FD047999.D
Signal(s) : FID2B.ch
Acq On : 15 Jul 2024 13:20
Sample : 20 PPM AROMATIC HC STD ICV
Misc :
ALS Vial : 66 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 071524.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	4.230	4.184	4.295	BV	380528	3373104	95.84%	5.206%
2	5.750	5.615	5.934	BV	359553	3519596	100.00%	5.432%
3	6.797	6.761	6.928	VV	346679	3516690	99.92%	5.428%
4	7.410	7.265	7.588	BB	296508	3026243	85.98%	4.671%
5	8.064	8.028	8.201	PV	348437	3461021	98.34%	5.342%
6	8.261	8.201	8.335	PV	180315	1951177	55.44%	3.011%
7	8.358	8.335	8.495	VB	346509	3488875	99.13%	5.385%
8	9.138	9.035	9.285	BV	308473	3347027	95.10%	5.166%
9	10.525	10.448	10.573	VV	306678	3226722	91.68%	4.980%
10	10.601	10.573	10.825	VV	262624	3169020	90.04%	4.891%
11	11.298	11.181	11.395	PV	325631	3376488	95.93%	5.211%
12	12.330	12.298	12.498	VV	278681	3230480	91.79%	4.986%
13	12.623	12.587	12.683	PV	275856	3191451	90.68%	4.926%
14	14.492	14.391	14.512	BV	245058	2843521	80.79%	4.389%
15	14.533	14.512	14.738	VB	238205	3159821	89.78%	4.877%
16	16.038	15.788	16.053	BV	252988	2952262	83.88%	4.556%
17	16.069	16.053	16.251	VB	229359	2921600	83.01%	4.509%
18	16.414	16.351	16.505	BV	211015	2909125	82.66%	4.490%
19	17.777	17.743	17.797	VV	178424	2277317	64.70%	3.515%
20	17.817	17.797	17.991	VV	139064	2903935	82.51%	4.482%
21	18.026	17.991	18.233	VV	193779	2947486	83.75%	4.549%
Sum of corrected areas:						64792959		

Aromatic EPH 071524.M Mon Jul 15 14:59:38 2024