

Initial Calibration Report for SequenceID : FF112625AR

AreaCount

Parameter Range	FF016819.D	FF016820.D	FF016821.D	FF016822.D	FF016823.D	
Aromatic C10-C12	24807937.000	13789871.000	5563417.000	2718404.000	1465698.000	
Aromatic C12-C16	38343745.000	21316979.000	8557298.000	4080278.000	2162817.000	
Aromatic C16-C21	48554477.000	26731051.000	10661199.000	5109347.000	2718326.000	
Aromatic C21-C36	98909107.000	56718620.000	23066556.000	11269803.000	6189998.000	
Aromatic EPH	210615266.000	118556521.000	47848470.000	23177832.000	12536839.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aromatic C10-C12	136702.764	5.959				
Aromatic C12-C16	138548.875333	4.879				
Aromatic C16-C21	130391.282	4.498				
Aromatic C21-C36	125372.6926662	7.936				
Aromatic EPH	129942.8619996	6.302				

Concentration

Parameter Range	FF016819.D	FF016820.D	FF016821.D	FF016822.D	FF016823.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	FF016819.D	FF016820.D	FF016821.D	FF016822.D	FF016823.D	
Aromatic C10-C12	124039.685000	137898.710000	139085.425000	135920.200000	146569.800000	
Aromatic C12-C16	127812.483333	142113.193333	142621.633333	136009.266666	144187.800000	
Aromatic C16-C21	121386.192500	133655.255000	133264.987500	127733.675000	135916.300000	
Aromatic C21-C36	109899.007777	126041.377777	128147.533333	125220.033333	137555.511111	
Aromatic EPH	117008.481111	131729.467777	132912.416666	128765.733333	139298.211111	

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF112625AR\
 Data File : FF016819.D
 Signal(s) : FID2B.ch
 Acq On : 26 Nov 2025 21:12
 Operator : YP\AJ
 Sample : 100 PPM AROMATIC HC STD1
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 FID_F
 ClientSampleId :
 100 PPM AROMATIC HC STD1

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 12/01/2025
 Supervised By :mohammad ahmed 12/02/2025

Integration File: autoint1.e
 Quant Time: Dec 01 08:11:03 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 112625.M
 Quant Title : GC Extractables
 QLast Update : Mon Dec 01 08:08:04 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	8.008	10984155	92.415 ug/ml
Spiked Amount 50.000		Recovery =	184.83%
6) S 2-Fluorobiphenyl (SURR)	8.884	7358002	98.552 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	197.10%#
11) S ortho-Terphenyl (SURR)	11.952	12906081	86.766 ug/ml
Spiked Amount 50.000		Recovery =	173.53%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.601	12107936	87.522 ug/ml
2) T Naphthalene (C11.7)	6.278	12700001	90.825 ug/ml
3) T 2-Methylnaphthalene (...)	7.380	12822985	90.106 ug/ml
5) T Acenaphthylene (C15.06)	8.686	12674444	90.711 ug/ml
7) T Acenaphthene (C15.5)	8.987	12846316	88.090 ug/ml
8) T Flouorene (C16.55)	9.776	12588707	92.658 ug/ml
9) T Phenanthrene (C19.36)	11.184	12295450	91.962 ug/ml
10) T Anthracene (C19.43)	11.260	11842044	91.907 ug/ml
12) T Fluoranthene (C21.85)	13.010	12091448	90.272 ug/ml
13) T Pyrene (C20.8)	13.309	11828276	87.846 ug/ml
14) T Benzo[a]anthracene (C...	15.194	10783852	95.634 ug/ml
15) T Chrysene (C27.41)	15.241	11437195	82.929 ug/ml
16) T benzo[b]fluoranthene ...	16.760	10926837	89.636 ug/ml
17) T Bnezo[k]fluoranthene ...	16.799	10375730	80.196 ug/mlm
18) T Benzo[a]pyrene (C31.34)	17.144	10764168	87.160 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.523	10474667	100.851 ug/ml
20) T Dibenz[a,h]anthracene...	18.564	10871475	68.417 ug/mlm
21) T Benzo[g,h,i]perylene ...	18.786	11183735	85.785 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF112625AR\
Data File : FF016819.D
Signal(s) : FID2B.ch
Acq On : 26 Nov 2025 21:12
Operator : YP\AJ
Sample : 100 PPM AROMATIC HC STD1
Misc :
ALS Vial : 21 Sample Multiplier: 1

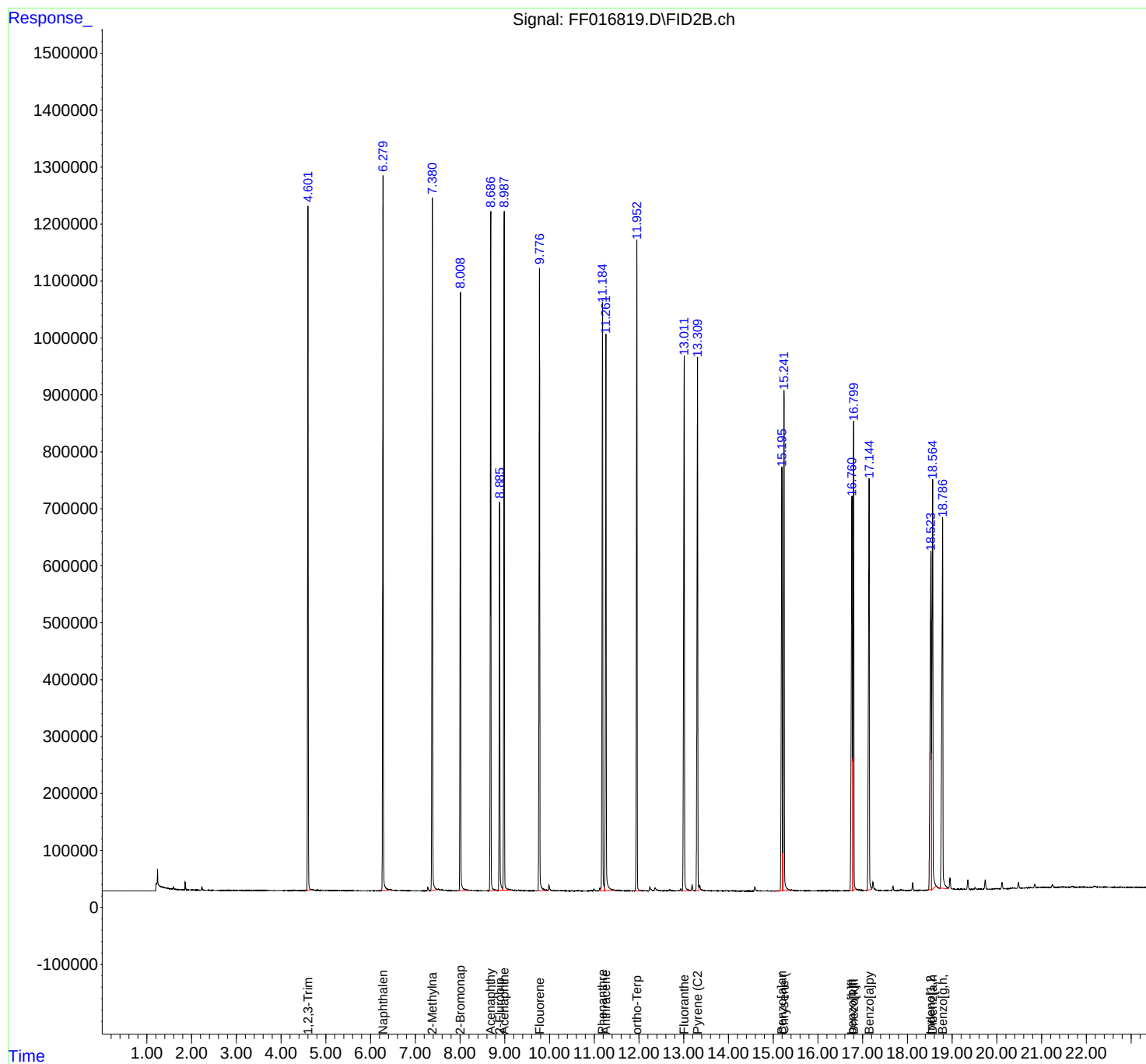
Instrument :
FID_F
ClientSampleId :
100 PPM AROMATIC HC STD1

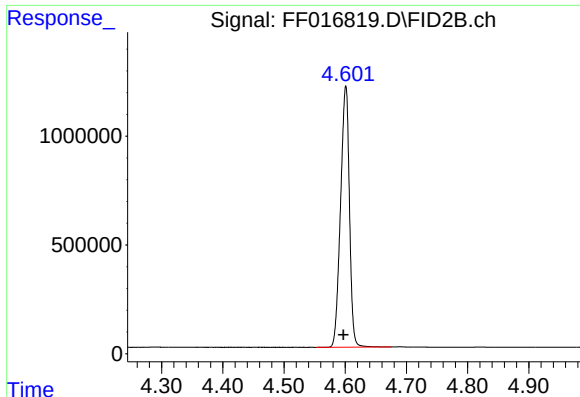
Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 12/01/2025
Supervised By :mohammad ahmed 12/02/2025

Integration File: autoint1.e
Quant Time: Dec 01 08:11:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 112625.M
Quant Title : GC Extractables
QLast Update : Mon Dec 01 08:08:04 2025
Response via : Initial Calibration
Integrator: ChemStation

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





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

R.T.: 4.601 min
Delta R.T.: 0.004 min
Response: 12107936
Conc: 87.52 ug/ml

Instrument :

FID_F

ClientSampleId :

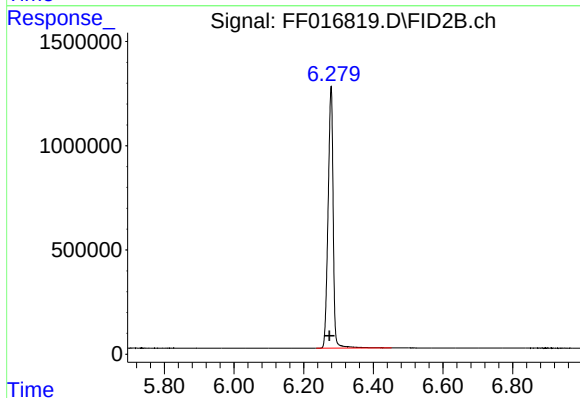
100 PPM AROMATIC HC STD1

Manual Integrations

APPROVED

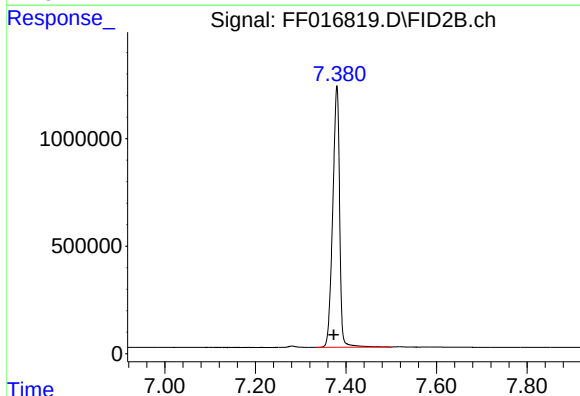
Reviewed By :Rahul Chavli 12/01/2025

Supervised By :mohammad ahmed 12/02/2025



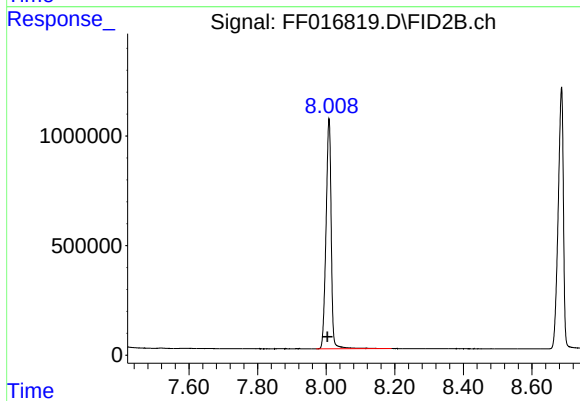
#2 Naphthalene (C11.7)

R.T.: 6.278 min
Delta R.T.: 0.005 min
Response: 12700001
Conc: 90.82 ug/ml



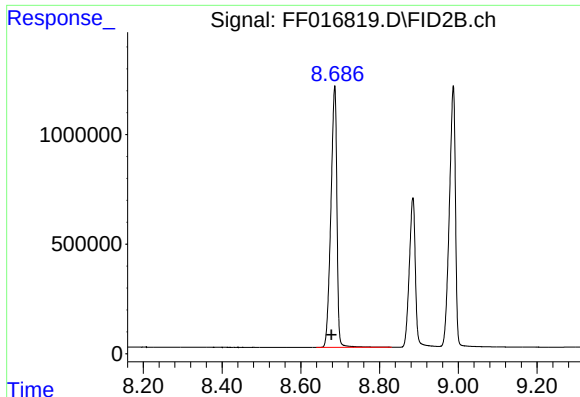
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.380 min
Delta R.T.: 0.006 min
Response: 12822985
Conc: 90.11 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 8.008 min
Delta R.T.: 0.005 min
Response: 10984155
Conc: 92.41 ug/ml



#5 Acenaphthylene (C15.06)

R.T.: 8.686 min
Delta R.T.: 0.008 min
Response: 12674444
Conc: 90.71 ug/ml

Instrument :

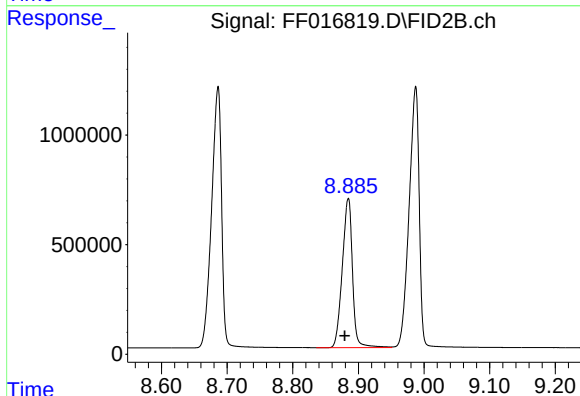
FID_F

ClientSampleId :

100 PPM AROMATIC HC STD1

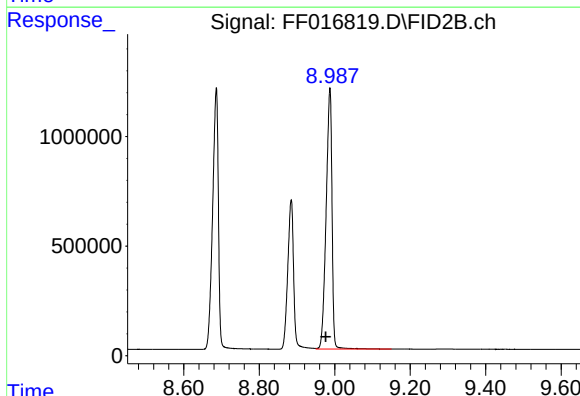
Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 12/01/2025
Supervised By :mohammad ahmed 12/02/2025



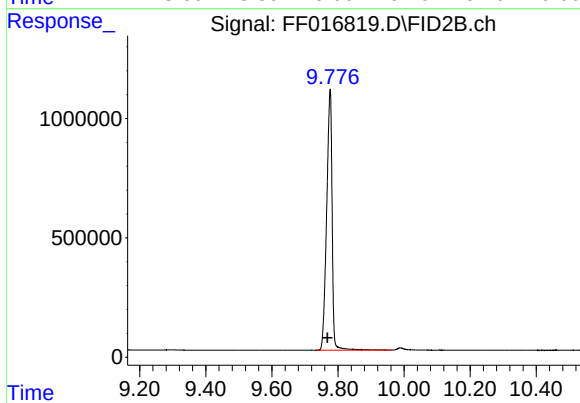
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.884 min
Delta R.T.: 0.005 min
Response: 7358002
Conc: 98.55 ug/ml



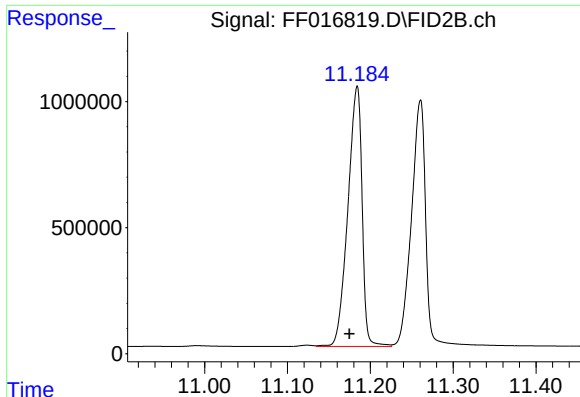
#7 Acenaphthene (C15.5)

R.T.: 8.987 min
Delta R.T.: 0.010 min
Response: 12846316
Conc: 88.09 ug/ml



#8 Fluorene (C16.55)

R.T.: 9.776 min
Delta R.T.: 0.008 min
Response: 12588707
Conc: 92.66 ug/ml



#9 Phenanthrene (C19.36)

R.T.: 11.184 min
Delta R.T.: 0.009 min
Response: 12295450
Conc: 91.96 ug/ml

Instrument :

FID_F

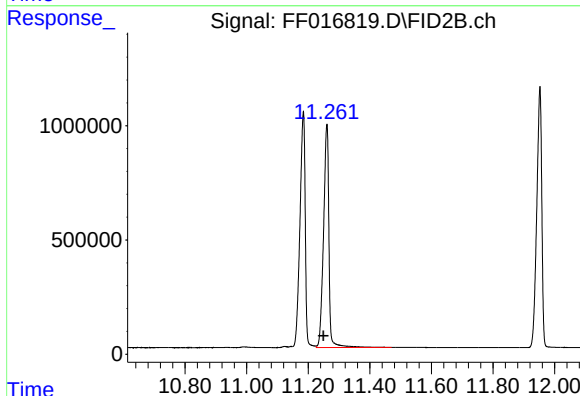
ClientSampleId :

100 PPM AROMATIC HC STD1

Manual Integrations

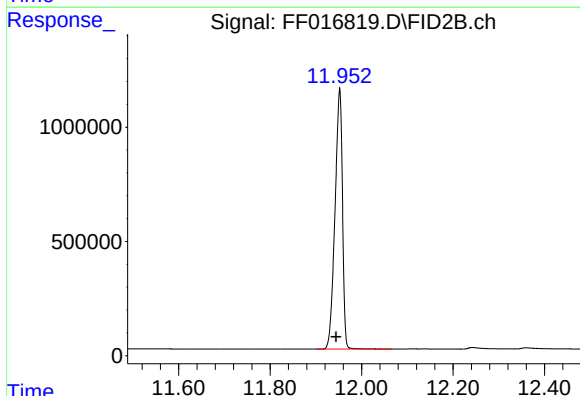
APPROVED

Reviewed By :Rahul Chavli 12/01/2025
Supervised By :mohammad ahmed 12/02/2025



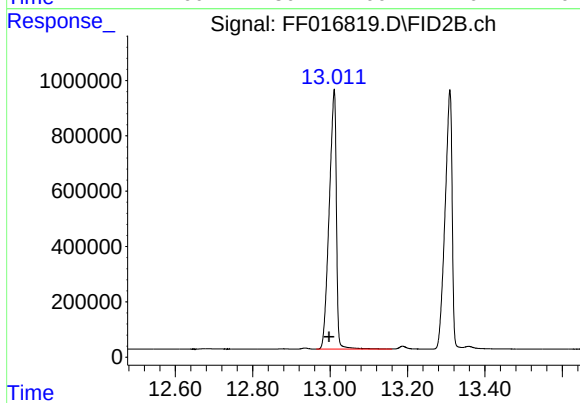
#10 Anthracene (C19.43)

R.T.: 11.260 min
Delta R.T.: 0.010 min
Response: 11842044
Conc: 91.91 ug/ml



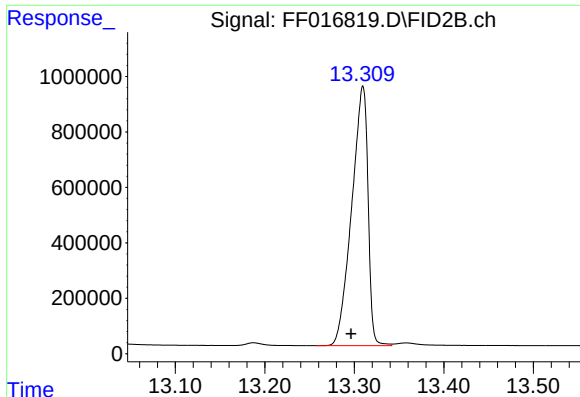
#11 ortho-Terphenyl (SURR)

R.T.: 11.952 min
Delta R.T.: 0.008 min
Response: 12906081
Conc: 86.77 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 13.010 min
Delta R.T.: 0.012 min
Response: 12091448
Conc: 90.27 ug/ml



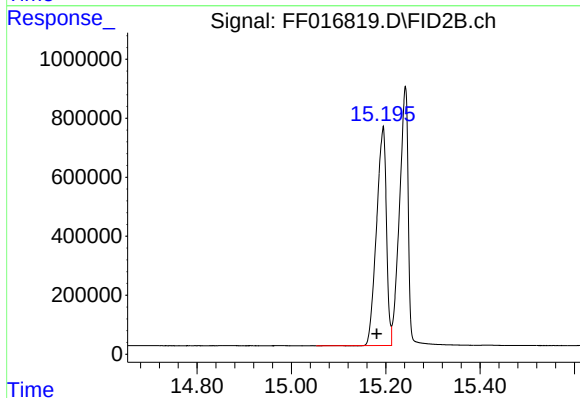
#13 Pyrene (C20.8)

R.T.: 13.309 min
Delta R.T.: 0.013 min
Response: 11828276
Conc: 87.85 ug/ml

Instrument :
FID_F
ClientSampleId :
100 PPM AROMATIC HC STD1

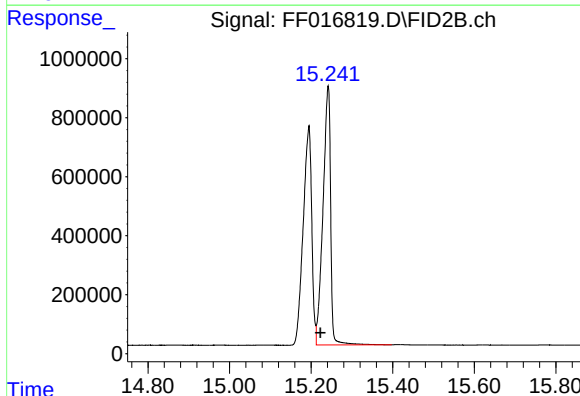
Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 12/01/2025
Supervised By :mohammad ahmed 12/02/2025



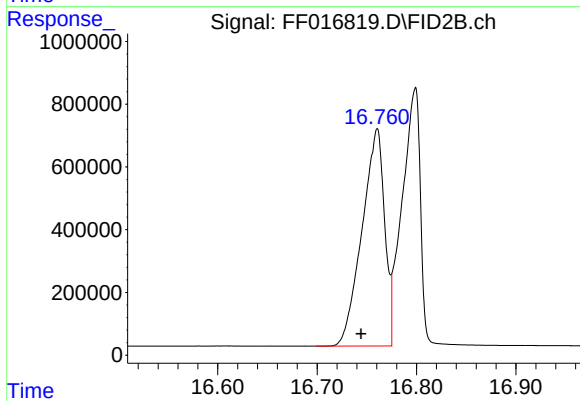
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.194 min
Delta R.T.: 0.013 min
Response: 10783852
Conc: 95.63 ug/ml



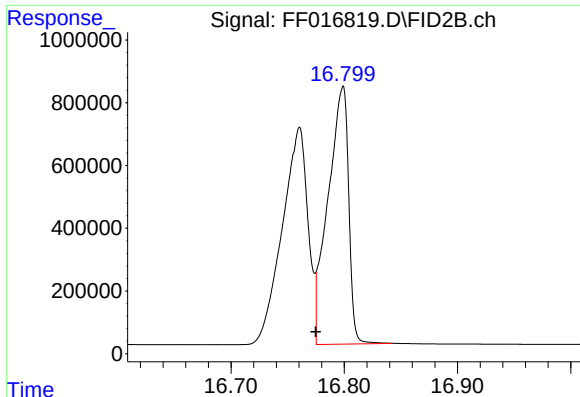
#15 Chrysene (C27.41)

R.T.: 15.241 min
Delta R.T.: 0.019 min
Response: 11437195
Conc: 82.93 ug/ml



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

R.T.: 16.760 min
Delta R.T.: 0.016 min
Response: 10926837
Conc: 89.64 ug/ml



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

R.T.: 16.799 min
Delta R.T.: 0.024 min
Response: 10375730
Conc: 80.20 ug/ml

Instrument :

FID_F

ClientSampleId :

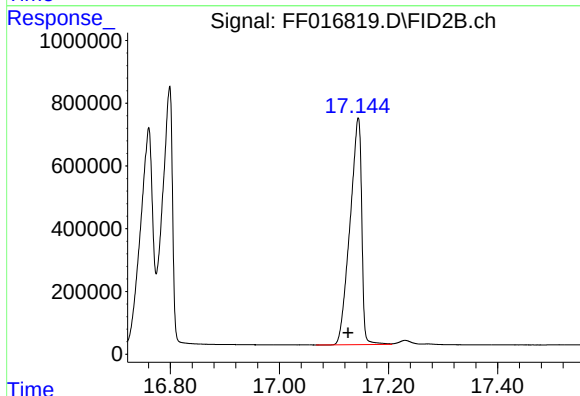
100 PPM AROMATIC HC STD1

Manual Integrations

APPROVED

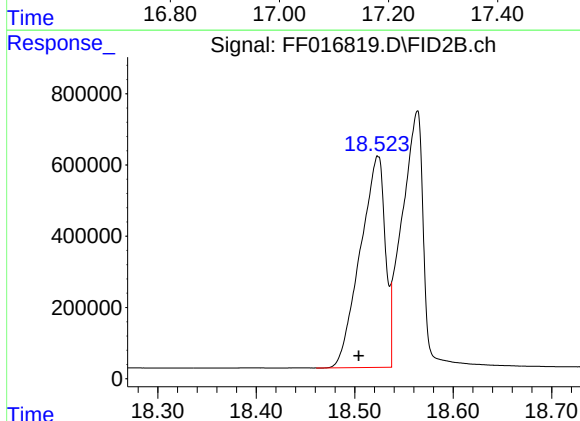
Reviewed By :Rahul Chavli 12/01/2025

Supervised By :mohammad ahmed 12/02/2025



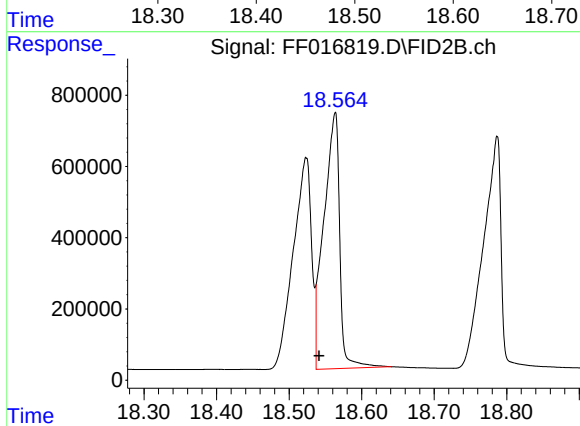
#18 Benzo[a]pyrene (C31.34)

R.T.: 17.144 min
Delta R.T.: 0.018 min
Response: 10764168
Conc: 87.16 ug/ml



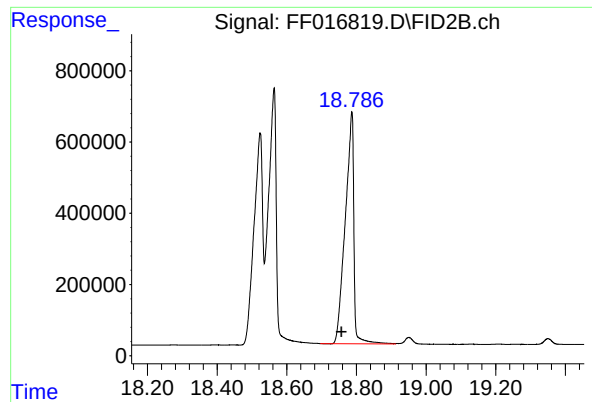
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.523 min
Delta R.T.: 0.019 min
Response: 10474667
Conc: 100.85 ug/ml



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

R.T.: 18.564 min
Delta R.T.: 0.023 min
Response: 10871475
Conc: 68.42 ug/ml m



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

R.T.: 18.786 min
Delta R.T.: 0.029 min
Response: 11183735
Conc: 85.79 ug/ml

Instrument :

FID_F

ClientSampleId :

100 PPM AROMATIC HC STD1

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 12/01/2025

Supervised By :mohammad ahmed 12/02/2025

rteres

Instrument :

FID_F

LabSampleId :

100 PPM AROMATIC HC STD1

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Rahul Chavli 12/01/2025

Supervised By :mohammad ahmed 12/02/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF11262
Data File : FF016819.D
Signal(s) : FID2B.ch
Acq On : 26 Nov 2025 21:12
Sample : 100 PPM AROMATIC HC STD1
Misc :
ALS Vial : 21 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 112625.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	4.601	4.552	4.676	BV	1204062	12107936	93.82%	5.000%
2	6.278	6.236	6.452	BB	1263699	12700001	98.40%	5.244%
3	7.380	7.334	7.501	BV	1215086	12822985	99.36%	5.295%
4	8.008	7.971	8.191	BB	1047502	10984155	85.11%	4.536%
5	8.686	8.639	8.831	BB	1190156	12674444	98.21%	5.234%
6	8.884	8.836	8.951	BV	680761	7358002	57.01%	3.038%
7	8.987	8.951	9.151	VB	1198996	12846316	99.54%	5.305%
8	9.776	9.734	9.962	BV	1093617	12588707	97.54%	5.199%
9	11.184	11.135	11.226	VV	1036177	12295450	95.27%	5.077%
10	11.260	11.226	11.471	VB	981780	11842044	91.76%	4.890%
11	11.952	11.901	12.066	BB	1148594	12906081	100.00%	5.330%
12	13.010	12.964	13.159	PV	926894	12091448	93.69%	4.993%
13	13.309	13.257	13.342	BV	938070	11828276	91.65%	4.885%
14	15.194	15.052	15.212	BV	738845	10783852	83.56%	4.453%
15	15.241	15.212	15.397	VV	874634	11437195	88.62%	4.723%
16	16.760	16.699	16.775	BV	688241	10926837	84.66%	4.512%
17	16.798	16.775	16.934	VB	812483	10566057	81.87%	4.363%
18	17.144	17.067	17.206	BV	723975	10764168	83.40%	4.445%
19	18.523	18.461	18.537	BV	593527	10474667	81.16%	4.326%
20	18.562	18.537	18.671	VBA	714932	10976677	85.05%	4.533%
21	18.786	18.696	18.912	BV	649929	11183735	86.65%	4.618%
Sum of corrected areas:						242159031		

Aromatic EPH 112625.M Mon Dec 01 08:29:29 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF112625AR\
 Data File : FF016820.D
 Signal(s) : FID2B.ch
 Acq On : 26 Nov 2025 21:42
 Operator : YP\AJ
 Sample : 50 PPM AROMATIC HC STD2
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 FID_F
 ClientSampleId :
 50 PPM AROMATIC HC STD2

Integration File: autoint1.e
 Quant Time: Dec 01 08:11:32 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 112625.M
 Quant Title : GC Extractables
 QLast Update : Mon Dec 01 08:08:04 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	8.005	6068576	51.058 ug/ml
Spiked Amount 50.000		Recovery =	102.12%
6) S 2-Fluorobiphenyl (SURR)	8.880	4008078	53.684 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	107.37%
11) S ortho-Terphenyl (SURR)	11.948	7301350	49.086 ug/ml
Spiked Amount 50.000		Recovery =	98.17%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.598	6762864	48.885 ug/ml
2) T Naphthalene (C11.7)	6.276	7027007	50.254 ug/ml
3) T 2-Methylnaphthalene (...)	7.376	7084072	49.779 ug/ml
5) T Acenaphthylene (C15.06)	8.681	7027785	50.298 ug/ml
7) T Acenaphthene (C15.5)	8.981	7205122	49.407 ug/ml
8) T Flouorene (C16.55)	9.771	6995264	51.488 ug/ml
9) T Phenanthrene (C19.36)	11.178	6846078	51.204 ug/ml
10) T Anthracene (C19.43)	11.253	6272522	48.682 ug/ml
12) T Fluoranthene (C21.85)	13.003	6759877	50.468 ug/ml
13) T Pyrene (C20.8)	13.301	6617187	49.144 ug/ml
14) T Benzo[a]anthracene (C...	15.186	5941901	52.694 ug/ml
15) T Chrysene (C27.41)	15.231	6548256	47.480 ug/ml
16) T benzo[b]fluoranthene ...	16.752	6186922	50.753 ug/ml
17) T Bnezo[k]fluoranthene ...	16.786	6045377	46.726 ug/ml
18) T Benzo[a]pyrene (C31.34)	17.134	6133230	49.662 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.512	5697980	54.861 ug/ml
20) T Dibenz[a,h]anthracene...	18.550	6956295	43.778 ug/ml
21) T Benzo[g,h,i]perylene ...	18.771	6448782	49.466 ug/ml

(f)=RT Delta > 1/2 Window

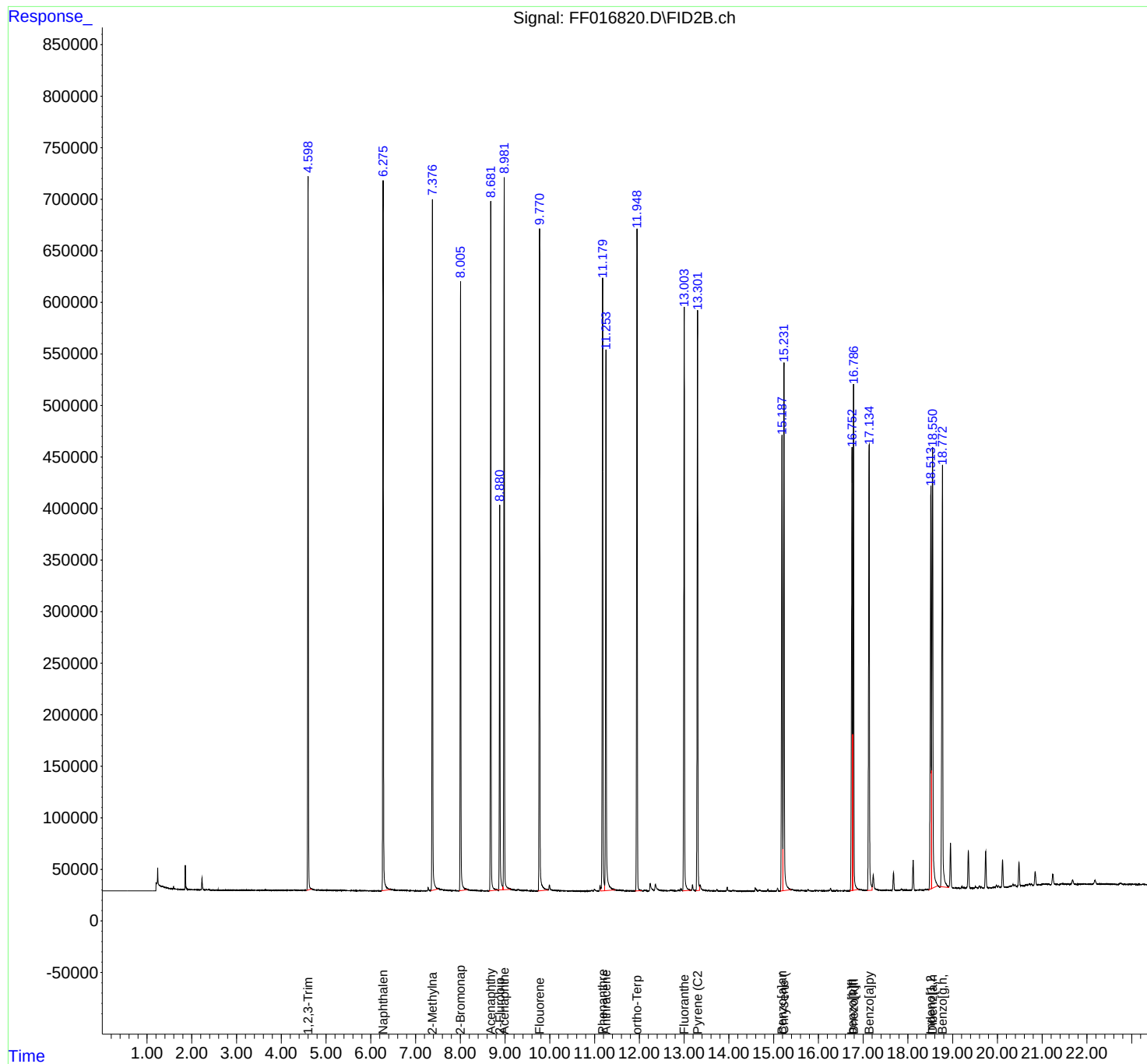
(m)=manual int.

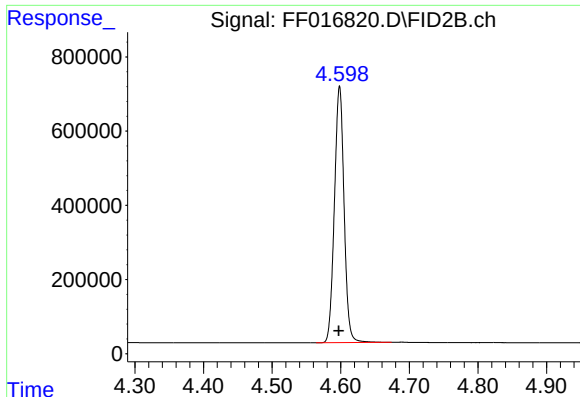
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF112625AR\
Data File : FF016820.D
Signal(s) : FID2B.ch
Acq On : 26 Nov 2025 21:42
Operator : YP\AJ
Sample : 50 PPM AROMATIC HC STD2
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
50 PPM AROMATIC HC STD2

Integration File: autoint1.e
Quant Time: Dec 01 08:11:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 112625.M
Quant Title : GC Extractables
QLast Update : Mon Dec 01 08:08:04 2025
Response via : Initial Calibration
Integrator: ChemStation

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

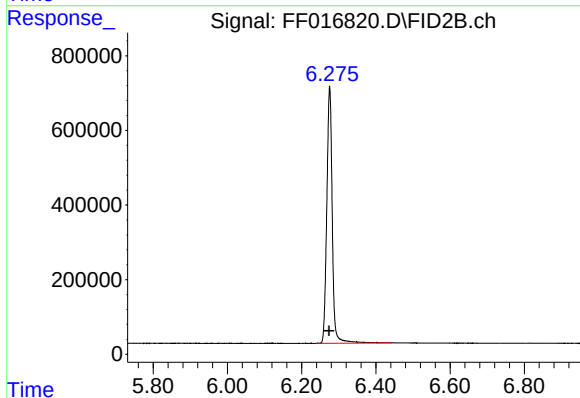




#1 1,2,3-Trimethylbenzene (C10.1)

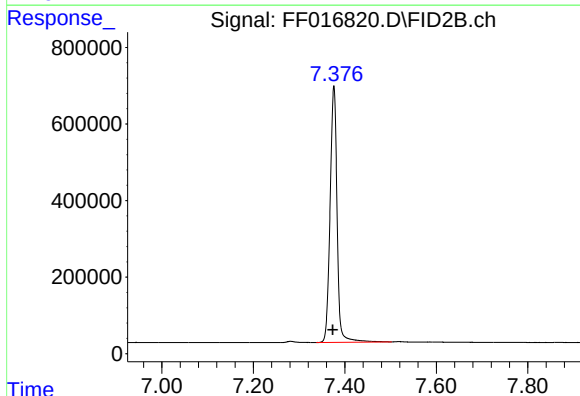
R.T.: 4.598 min
Delta R.T.: 0.001 min
Response: 6762864
Conc: 48.89 ug/ml

Instrument :
FID_F
ClientSampleId :
50 PPM AROMATIC HC STD2



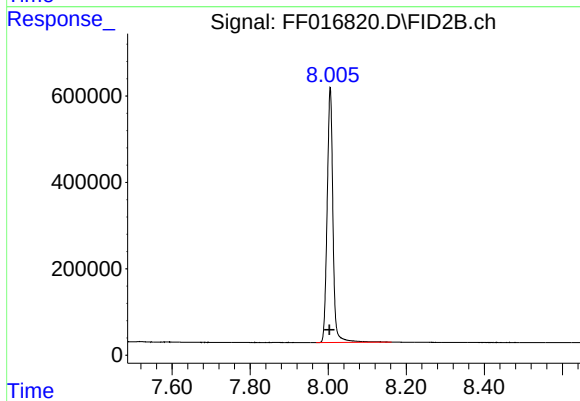
#2 Naphthalene (C11.7)

R.T.: 6.276 min
Delta R.T.: 0.002 min
Response: 7027007
Conc: 50.25 ug/ml



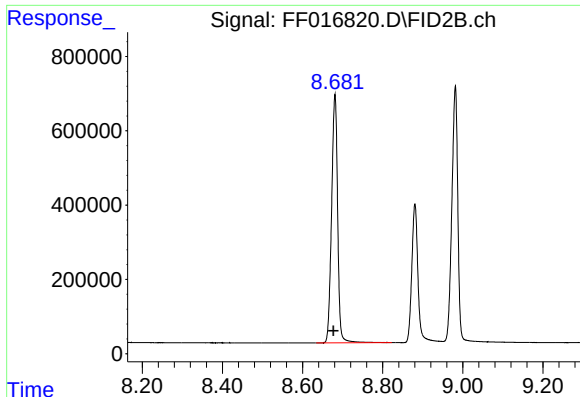
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.376 min
Delta R.T.: 0.003 min
Response: 7084072
Conc: 49.78 ug/ml



#4 2-Bromonaphthalene (SURR)

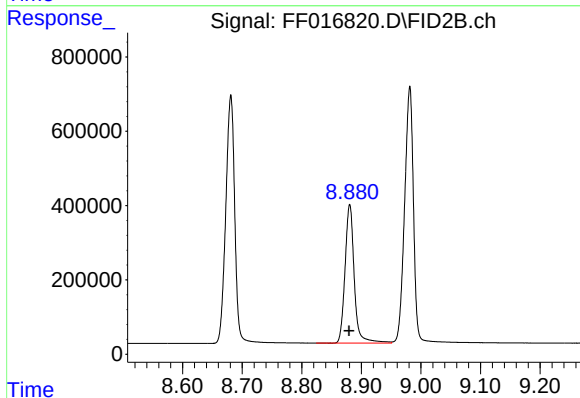
R.T.: 8.005 min
Delta R.T.: 0.002 min
Response: 6068576
Conc: 51.06 ug/ml



#5 Acenaphthylene (C15.06)

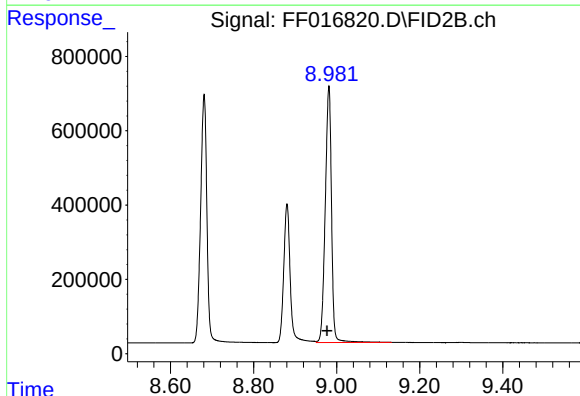
R.T.: 8.681 min
Delta R.T.: 0.003 min
Response: 7027785
Conc: 50.30 ug/ml

Instrument :
FID_F
ClientSampleId :
50 PPM AROMATIC HC STD2



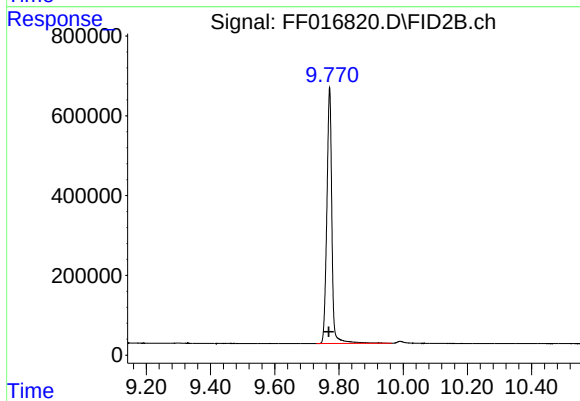
#6 2-Fluorobiphenyl (SURRE)

R.T.: 8.880 min
Delta R.T.: 0.001 min
Response: 4008078
Conc: 53.68 ug/ml



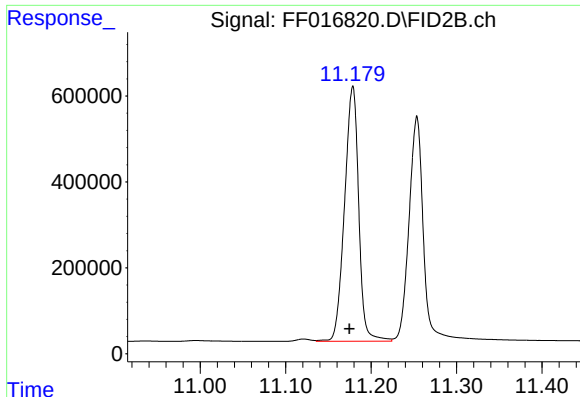
#7 Acenaphthene (C15.5)

R.T.: 8.981 min
Delta R.T.: 0.004 min
Response: 7205122
Conc: 49.41 ug/ml



#8 Fluorene (C16.55)

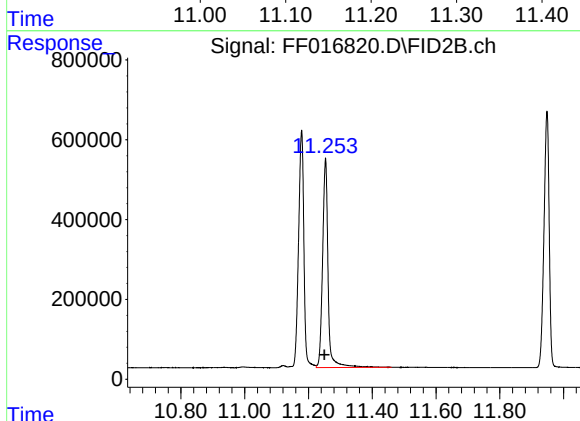
R.T.: 9.771 min
Delta R.T.: 0.003 min
Response: 6995264
Conc: 51.49 ug/ml



#9 Phenanthrene (C19.36)

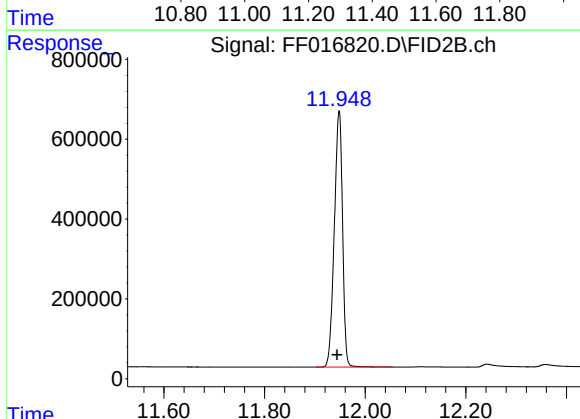
R.T.: 11.178 min
Delta R.T.: 0.004 min
Response: 6846078
Conc: 51.20 ug/ml

Instrument :
FID_F
ClientSampleId :
50 PPM AROMATIC HC STD2



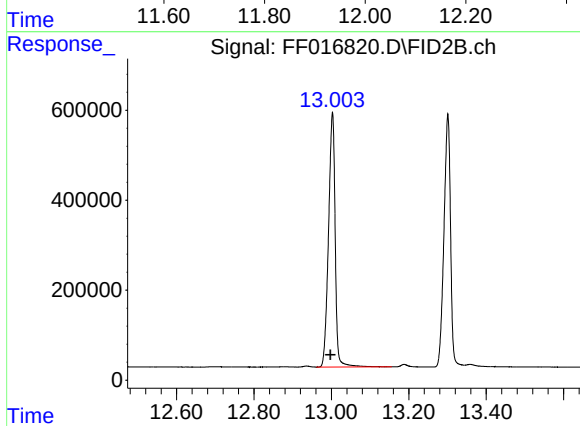
#10 Anthracene (C19.43)

R.T.: 11.253 min
Delta R.T.: 0.004 min
Response: 6272522
Conc: 48.68 ug/ml



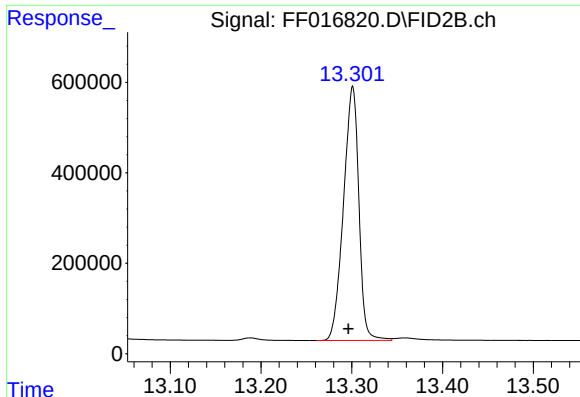
#11 ortho-Terphenyl (SURR)

R.T.: 11.948 min
Delta R.T.: 0.004 min
Response: 7301350
Conc: 49.09 ug/ml



#12 Fluoranthene (C21.85)

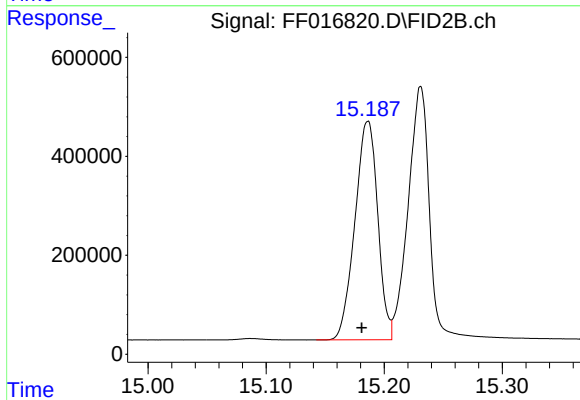
R.T.: 13.003 min
Delta R.T.: 0.005 min
Response: 6759877
Conc: 50.47 ug/ml



#13 Pyrene (C20.8)

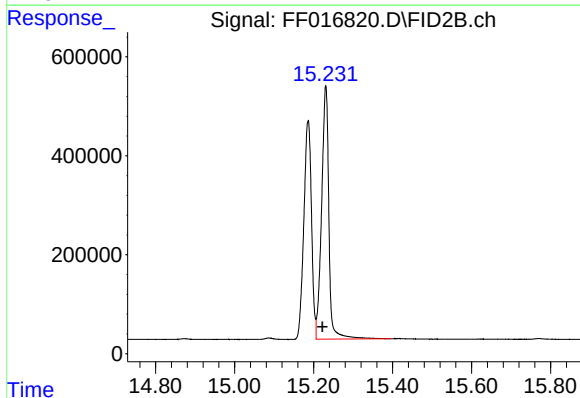
R.T.: 13.301 min
Delta R.T.: 0.004 min
Response: 6617187
Conc: 49.14 ug/ml

Instrument :
FID_F
ClientSampleId :
50 PPM AROMATIC HC STD2



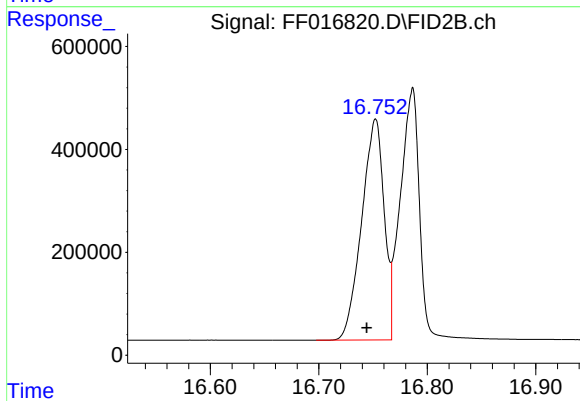
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.186 min
Delta R.T.: 0.005 min
Response: 5941901
Conc: 52.69 ug/ml



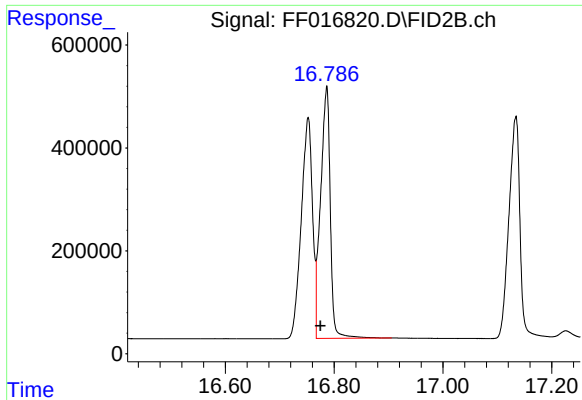
#15 Chrysene (C27.41)

R.T.: 15.231 min
Delta R.T.: 0.008 min
Response: 6548256
Conc: 47.48 ug/ml



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

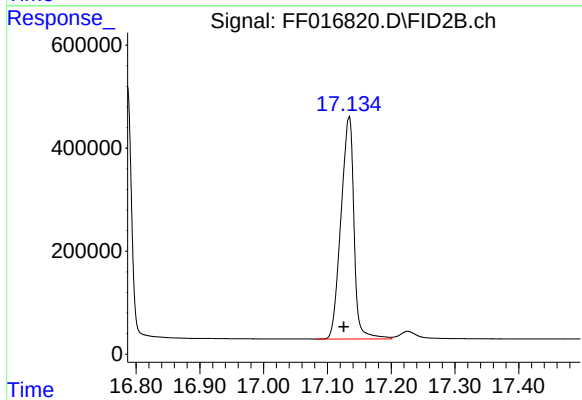
R.T.: 16.752 min
Delta R.T.: 0.008 min
Response: 6186922
Conc: 50.75 ug/ml



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

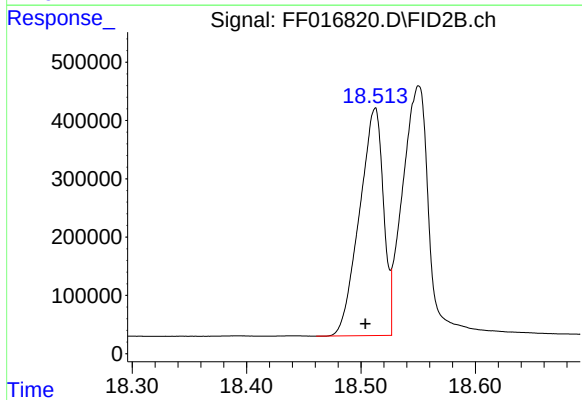
R.T.: 16.786 min
Delta R.T.: 0.011 min
Response: 6045377
Conc: 46.73 ug/ml

Instrument :
FID_F
ClientSampleId :
50 PPM AROMATIC HC STD2



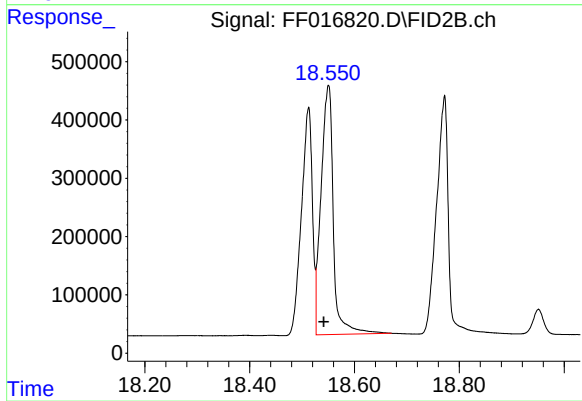
#18 Benzo[a]pyrene (C31.34)

R.T.: 17.134 min
Delta R.T.: 0.008 min
Response: 6133230
Conc: 49.66 ug/ml



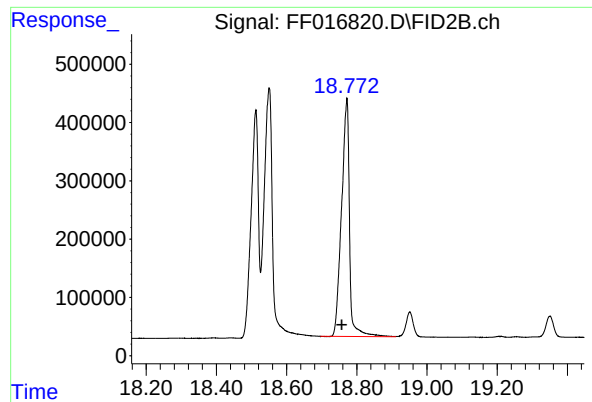
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.512 min
Delta R.T.: 0.008 min
Response: 5697980
Conc: 54.86 ug/ml



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

R.T.: 18.550 min
Delta R.T.: 0.009 min
Response: 6956295
Conc: 43.78 ug/ml



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

R.T.: 18.771 min
Delta R.T.: 0.014 min
Response: 6448782
Conc: 49.47 ug/ml

Instrument :
FID_F
ClientSampleId :
50 PPM AROMATIC HC STD2

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF112625AR\
Data File : FF016820.D
Signal(s) : FID2B.ch
Acq On : 26 Nov 2025 21:42
Sample : 50 PPM AROMATIC HC STD2
Misc :
ALS Vial : 22 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 112625.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	4.598	4.564	4.674	BV	693219	6762864	92.62%	4.975%
2	6.276	6.239	6.442	BB	689143	7027007	96.24%	5.169%
3	7.376	7.337	7.502	BV	669774	7084072	97.02%	5.211%
4	8.005	7.969	8.162	BB	591060	6068576	83.12%	4.464%
5	8.681	8.634	8.822	BB	668717	7027785	96.25%	5.170%
6	8.880	8.824	8.951	BV	373758	4008078	54.90%	2.949%
7	8.981	8.951	9.132	VB	688135	7205122	98.68%	5.300%
8	9.771	9.729	9.964	BB	643458	6995264	95.81%	5.146%
9	11.178	11.136	11.224	VV	597804	6846078	93.76%	5.036%
10	11.253	11.224	11.461	VB	526234	6272522	85.91%	4.614%
11	11.948	11.902	12.052	BB	642425	7301350	100.00%	5.371%
12	13.003	12.961	13.156	PB	565954	6759877	92.58%	4.973%
13	13.301	13.261	13.344	BV	562575	6617187	90.63%	4.868%
14	15.186	15.142	15.206	BV	441788	5941901	81.38%	4.371%
15	15.231	15.206	15.397	VB	512977	6548256	89.69%	4.817%
16	16.752	16.697	16.767	BV	430578	6186922	84.74%	4.551%
17	16.786	16.767	16.906	VB	486175	6045377	82.80%	4.447%
18	17.134	17.082	17.201	BV	431255	6133230	84.00%	4.512%
19	18.512	18.461	18.527	BV	390983	5697980	78.04%	4.192%
20	18.550	18.527	18.671	VBA	427358	6956295	95.27%	5.117%
21	18.771	18.696	18.911	BV	404357	6448782	88.32%	4.744%
Sum of corrected areas:						135934524		

Aromatic EPH 112625.M Mon Dec 01 08:30:29 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF112625AR\
 Data File : FF016821.D
 Signal(s) : FID2B.ch
 Acq On : 26 Nov 2025 22:11
 Operator : YP\AJ
 Sample : 20 PPM AROMATIC HC STD3
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 FID_F
 ClientSampleId :
 20 PPM AROMATIC HC STD3

Integration File: autoint1.e
 Quant Time: Dec 01 08:16:00 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 112625.M
 Quant Title : GC Extractables
 QLast Update : Mon Dec 01 08:15:53 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	8.003	2377140	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
6) S 2-Fluorobiphenyl (SURR)	8.879	1493215	20.000 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	40.00%
11) S ortho-Terphenyl (SURR)	11.944	2974910	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.597	2766830	20.000 ug/ml
2) T Naphthalene (C11.7)	6.274	2796587	20.000 ug/ml
3) T 2-Methylnaphthalene (...)	7.373	2846214	20.000 ug/ml
5) T Acenaphthylene (C15.06)	8.678	2794456	20.000 ug/ml
7) T Acenaphthene (C15.5)	8.977	2916628	20.000 ug/ml
8) T Flouorene (C16.55)	9.768	2717253	20.000 ug/ml
9) T Phenanthrene (C19.36)	11.175	2674025	20.000 ug/ml
10) T Anthracene (C19.43)	11.250	2576963	20.000 ug/ml
12) T Fluoranthene (C21.85)	12.998	2678897	20.000 ug/ml
13) T Pyrene (C20.8)	13.296	2692958	20.000 ug/ml
14) T Benzo[a]anthracene (C...	15.181	2255236	20.000 ug/ml
15) T Chrysene (C27.41)	15.222	2758326	20.000 ug/ml
16) T benzo[b]fluoranthene ...	16.744	2438049	20.000 ug/ml
17) T Bnezo[k]fluoranthene ...	16.775	2587597	20.000 ug/ml
18) T Benzo[a]pyrene (C31.34)	17.126	2469971	20.000 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.504	2085274	20.000 ug/ml
20) T Dibenz[a,h]anthracene...	18.541	3170642	20.000 ug/ml
21) T Benzo[g,h,i]perylene ...	18.757	2622564	20.000 ug/ml

(f)=RT Delta > 1/2 Window

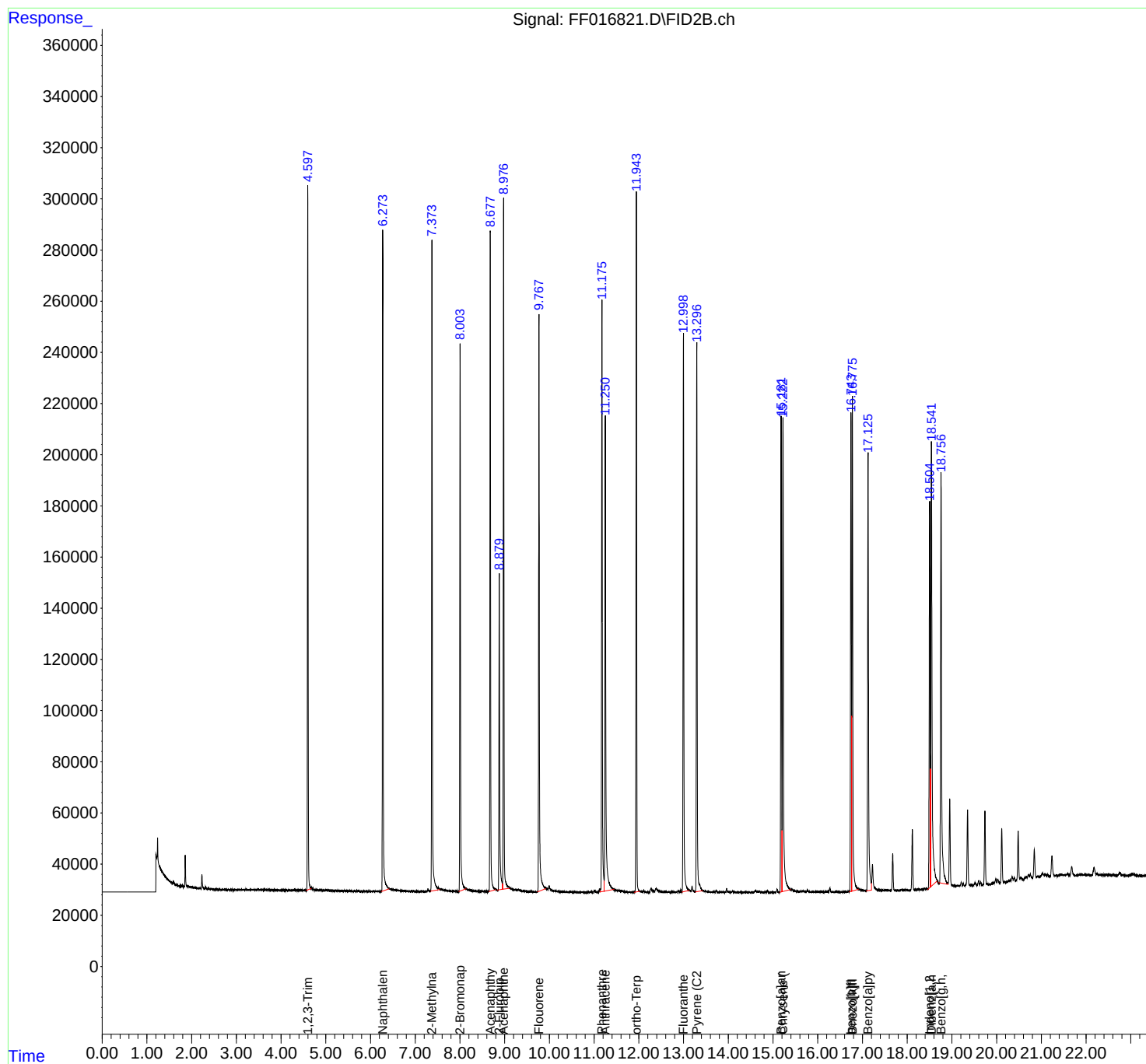
(m)=manual int.

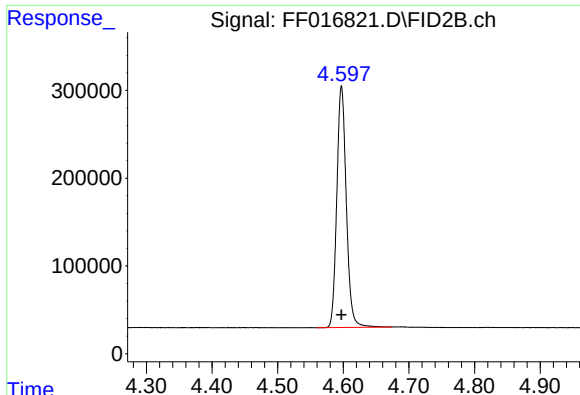
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF112625AR\
Data File : FF016821.D
Signal(s) : FID2B.ch
Acq On : 26 Nov 2025 22:11
Operator : YP\AJ
Sample : 20 PPM AROMATIC HC STD3
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
20 PPM AROMATIC HC STD3

Integration File: autoint1.e
Quant Time: Dec 01 08:16:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 112625.M
Quant Title : GC Extractables
QLast Update : Mon Dec 01 08:15:53 2025
Response via : Initial Calibration
Integrator: ChemStation

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

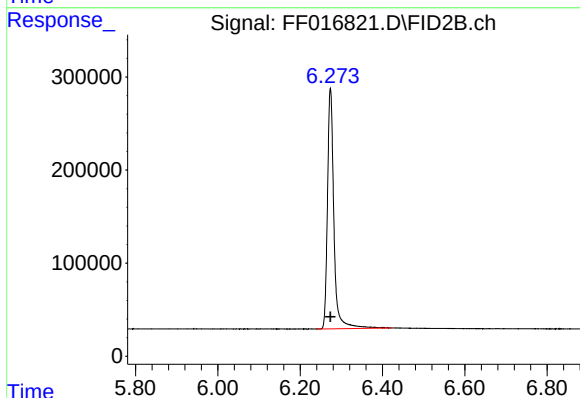




#1 1,2,3-Trimethylbenzene (C10.1)

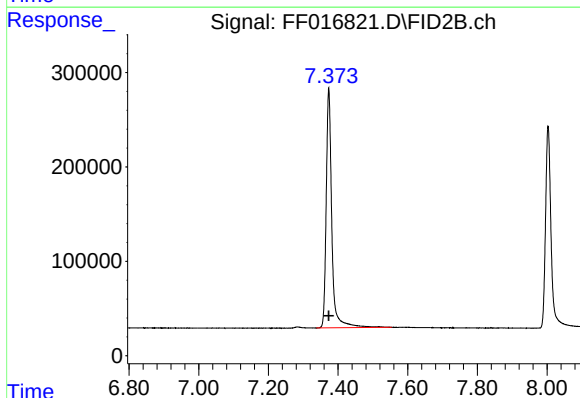
R.T.: 4.597 min
Delta R.T.: 0.000 min
Response: 2766830
Conc: 20.00 ug/ml

Instrument :
FID_F
ClientSampleId :
20 PPM AROMATIC HC STD3



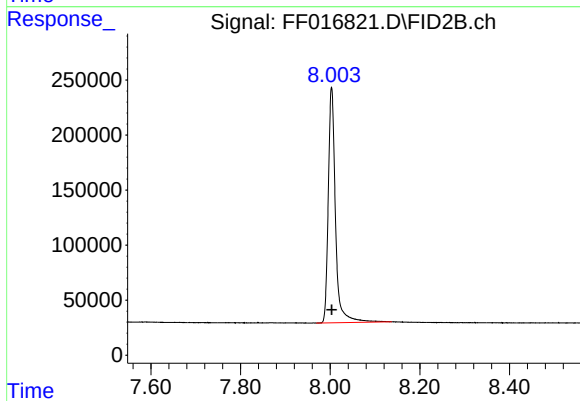
#2 Naphthalene (C11.7)

R.T.: 6.274 min
Delta R.T.: 0.000 min
Response: 2796587
Conc: 20.00 ug/ml



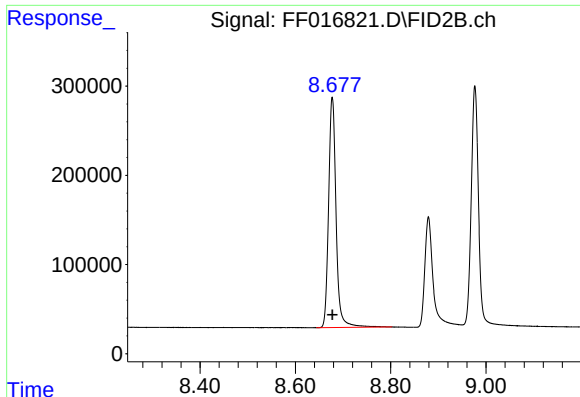
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.373 min
Delta R.T.: 0.000 min
Response: 2846214
Conc: 20.00 ug/ml



#4 2-Bromonaphthalene (SURR)

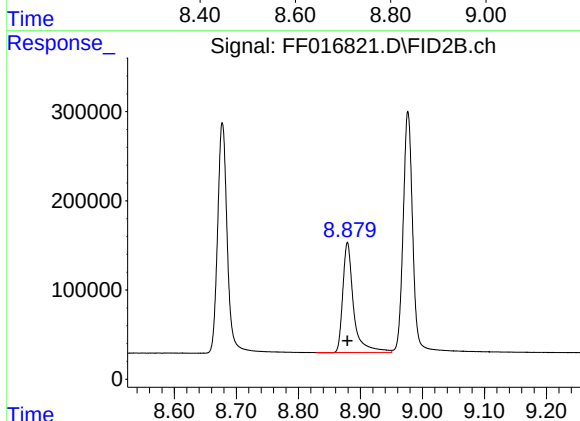
R.T.: 8.003 min
Delta R.T.: 0.000 min
Response: 2377140
Conc: 20.00 ug/ml



#5 Acenaphthylene (C15.06)

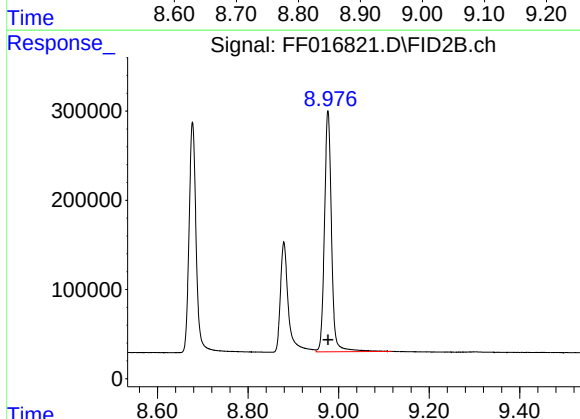
R.T.: 8.678 min
Delta R.T.: 0.000 min
Response: 2794456
Conc: 20.00 ug/ml

Instrument :
FID_F
ClientSampleId :
20 PPM AROMATIC HC STD3



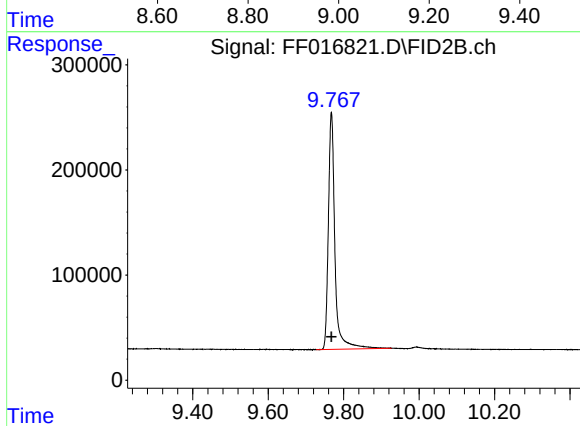
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.879 min
Delta R.T.: 0.000 min
Response: 1493215
Conc: 20.00 ug/ml



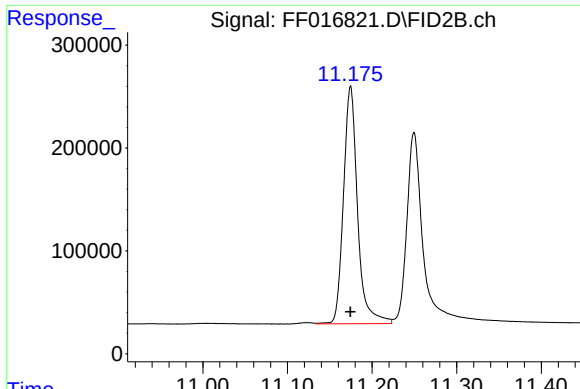
#7 Acenaphthene (C15.5)

R.T.: 8.977 min
Delta R.T.: 0.000 min
Response: 2916628
Conc: 20.00 ug/ml



#8 Fluorene (C16.55)

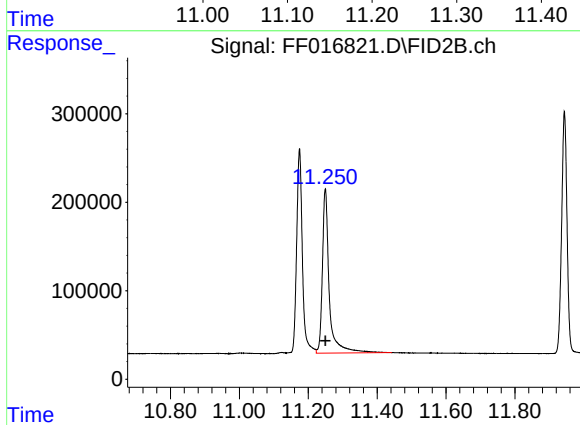
R.T.: 9.768 min
Delta R.T.: 0.000 min
Response: 2717253
Conc: 20.00 ug/ml



#9 Phenanthrene (C19.36)

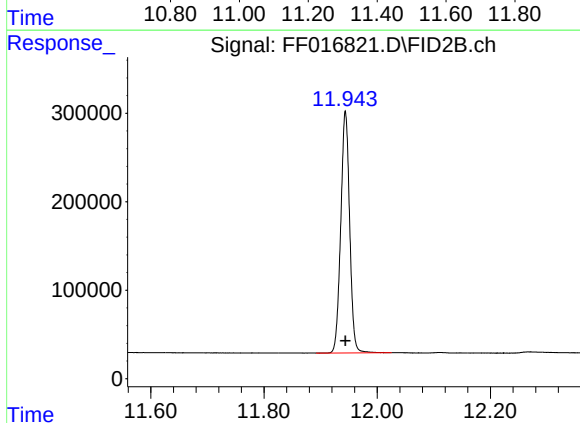
R.T.: 11.175 min
Delta R.T.: 0.000 min
Response: 2674025
Conc: 20.00 ug/ml

Instrument :
FID_F
ClientSampleId :
20 PPM AROMATIC HC STD3



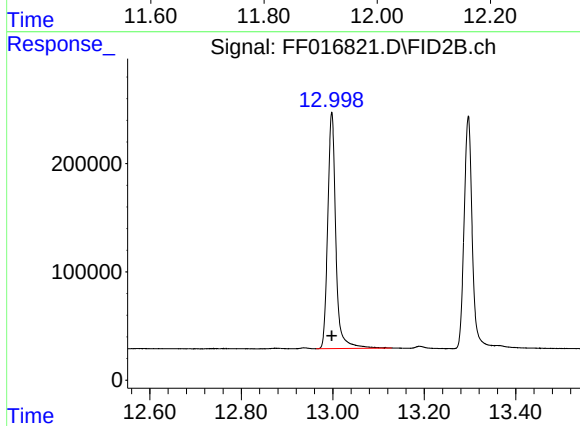
#10 Anthracene (C19.43)

R.T.: 11.250 min
Delta R.T.: 0.000 min
Response: 2576963
Conc: 20.00 ug/ml



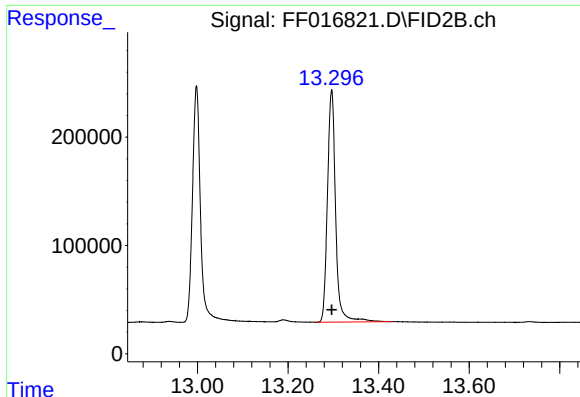
#11 ortho-Terphenyl (SURR)

R.T.: 11.944 min
Delta R.T.: 0.000 min
Response: 2974910
Conc: 20.00 ug/ml



#12 Fluoranthene (C21.85)

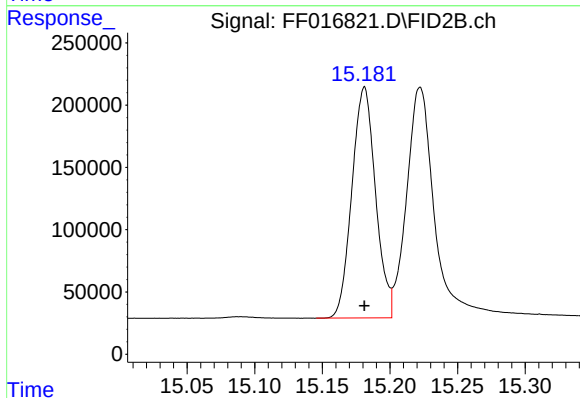
R.T.: 12.998 min
Delta R.T.: 0.000 min
Response: 2678897
Conc: 20.00 ug/ml



#13 Pyrene (C20.8)

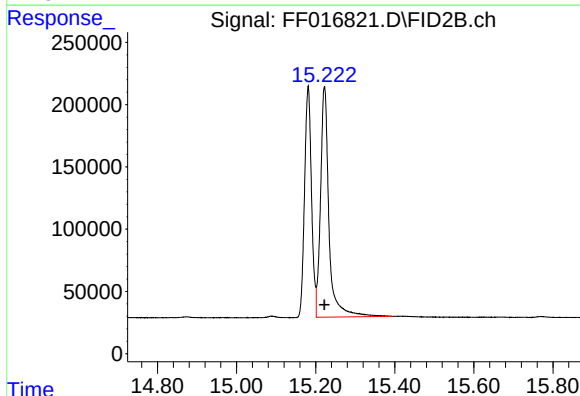
R.T.: 13.296 min
Delta R.T.: 0.000 min
Response: 2692958
Conc: 20.00 ug/ml

Instrument :
FID_F
ClientSampleId :
20 PPM AROMATIC HC STD3



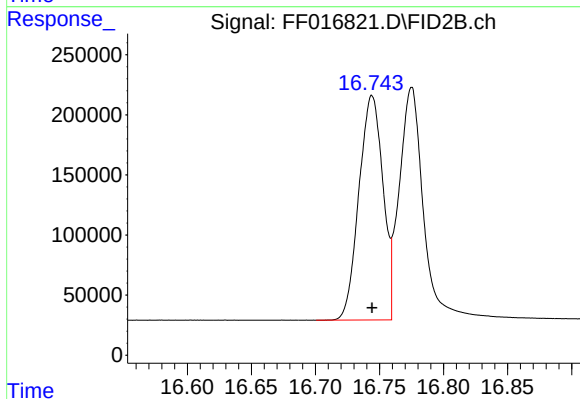
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.181 min
Delta R.T.: 0.000 min
Response: 2255236
Conc: 20.00 ug/ml



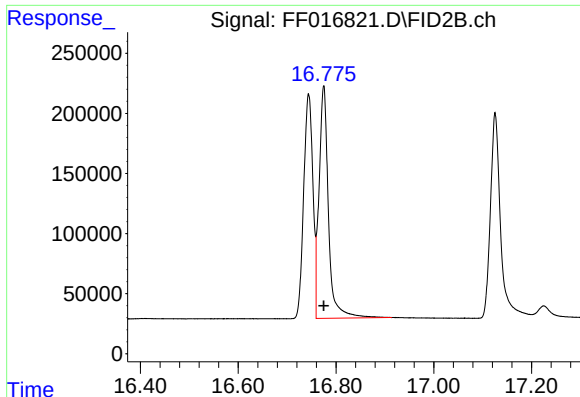
#15 Chrysene (C27.41)

R.T.: 15.222 min
Delta R.T.: 0.000 min
Response: 2758326
Conc: 20.00 ug/ml



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

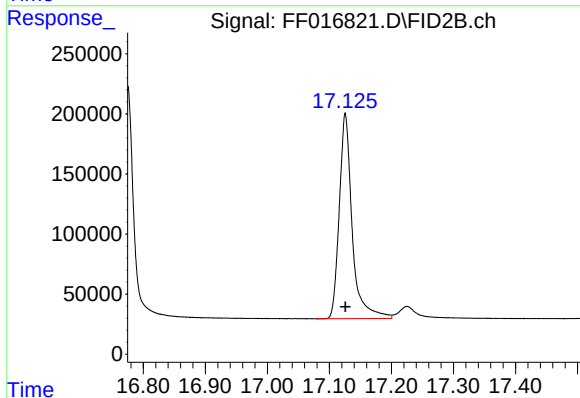
R.T.: 16.744 min
Delta R.T.: 0.000 min
Response: 2438049
Conc: 20.00 ug/ml



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

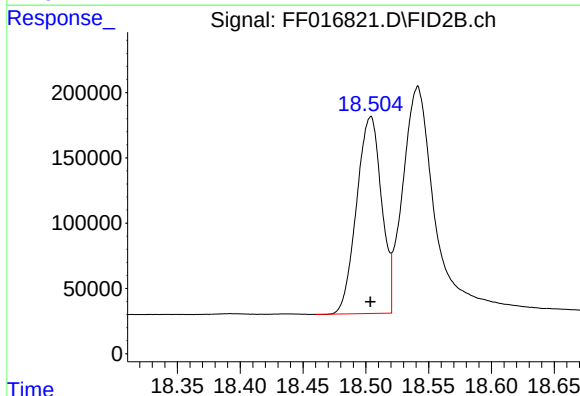
R.T.: 16.775 min
Delta R.T.: 0.000 min
Response: 2587597
Conc: 20.00 ug/ml

Instrument :
FID_F
ClientSampleId :
20 PPM AROMATIC HC STD3



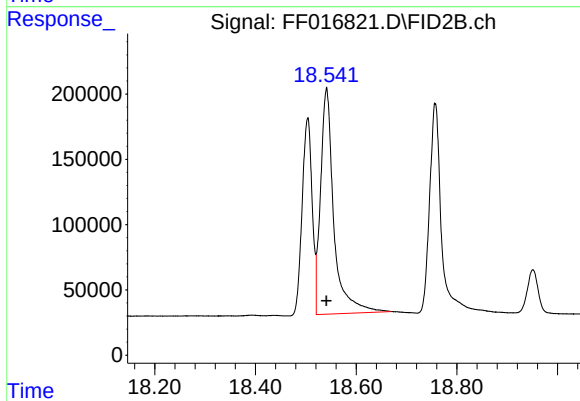
#18 Benzo[a]pyrene (C31.34)

R.T.: 17.126 min
Delta R.T.: 0.000 min
Response: 2469971
Conc: 20.00 ug/ml



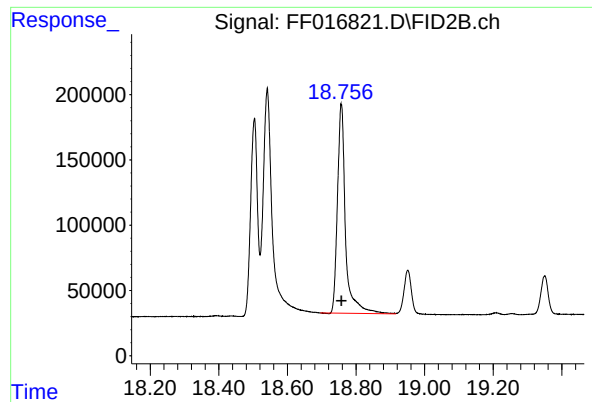
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.504 min
Delta R.T.: 0.000 min
Response: 2085274
Conc: 20.00 ug/ml



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

R.T.: 18.541 min
Delta R.T.: 0.000 min
Response: 3170642
Conc: 20.00 ug/ml



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

R.T.: 18.757 min
Delta R.T.: 0.000 min
Response: 2622564
Conc: 20.00 ug/ml

Instrument :
FID_F
ClientSampleId :
20 PPM AROMATIC HC STD3

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF112625AR\
 Data File : FF016821.D
 Signal(s) : FID2B.ch
 Acq On : 26 Nov 2025 22:11
 Sample : 20 PPM AROMATIC HC STD3
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 112625.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	4.597	4.559	4.674	BB	274842	2766830	87.26%	5.059%
2	6.274	6.239	6.422	BB	258032	2796587	88.20%	5.113%
3	7.373	7.337	7.554	BB	253795	2846214	89.77%	5.204%
4	8.003	7.969	8.137	BB	213472	2377140	74.97%	4.346%
5	8.678	8.644	8.802	BB	258412	2794456	88.14%	5.109%
6	8.879	8.829	8.950	BV	123530	1493215	47.10%	2.730%
7	8.977	8.950	9.117	VB	269610	2916628	91.99%	5.333%
8	9.768	9.727	9.927	BB	225594	2717253	85.70%	4.968%
9	11.175	11.134	11.223	VV	230456	2674025	84.34%	4.889%
10	11.250	11.223	11.442	VB	186248	2576963	81.28%	4.712%
11	11.944	11.892	12.025	BB	273273	2974910	93.83%	5.439%
12	12.998	12.964	13.129	BB	218059	2678897	84.49%	4.898%
13	13.296	13.262	13.429	BB	214143	2692958	84.93%	4.924%
14	15.181	15.145	15.201	BV	185326	2255236	71.13%	4.123%
15	15.222	15.201	15.392	VB	185032	2758326	87.00%	5.043%
16	16.744	16.700	16.759	BV	187061	2438049	76.89%	4.458%
17	16.775	16.759	16.914	VB	194216	2587597	81.61%	4.731%
18	17.126	17.079	17.200	BV	170721	2469971	77.90%	4.516%
19	18.504	18.460	18.521	BV	150829	2085274	65.77%	3.813%
20	18.541	18.521	18.670	VBA	172732	3170642	100.00%	5.797%
21	18.757	18.695	18.915	BV	159821	2622564	82.71%	4.795%
Sum of corrected areas:							54693735	

Aromatic EPH 112625.M Mon Dec 01 08:31:00 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF112625AR\
 Data File : FF016822.D
 Signal(s) : FID2B.ch
 Acq On : 26 Nov 2025 22:41
 Operator : YP\AJ
 Sample : 10 PPM AROMATIC HC STD4
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 FID_F
 ClientSampleId :
 10 PPM AROMATIC HC STD4

Integration File: autoint1.e
 Quant Time: Dec 01 08:12:28 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 112625.M
 Quant Title : GC Extractables
 QLast Update : Mon Dec 01 08:08:04 2025
 Response via : Initial Calibration
 Integrator: ChemStation

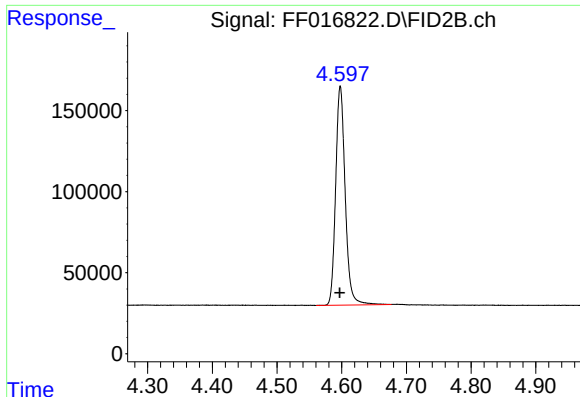
Volume Inj. : 1 µl
 Signal Phase : Rxi-1ms
 Signal Info : 20M x 0.18mm x 0.18µm

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	8.005	1119860	9.422 ug/ml
Spiked Amount 50.000		Recovery =	18.84%
6) S 2-Fluorobiphenyl (SURR)	8.882	652623	8.741 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	17.48%
11) S ortho-Terphenyl (SURR)	11.944	1469043	9.876 ug/ml
Spiked Amount 50.000		Recovery =	19.75%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.598	1384027	10.004 ug/ml
2) T Naphthalene (C11.7)	6.275	1334377	9.543 ug/ml
3) T 2-Methylnaphthalene (...)	7.374	1314198	9.235 ug/ml
5) T Acenaphthylene (C15.06)	8.678	1337110	9.570 ug/ml
7) T Acenaphthene (C15.5)	8.976	1428970	9.799 ug/ml
8) T Flouorene (C16.55)	9.768	1277173	9.400 ug/ml
9) T Phenanthrene (C19.36)	11.175	1254636	9.384 ug/ml
10) T Anthracene (C19.43)	11.252	1271504	9.868 ug/ml
12) T Fluoranthene (C21.85)	12.998	1284734	9.592 ug/ml
13) T Pyrene (C20.8)	13.296	1306034	9.700 ug/ml
14) T Benzo[a]anthracene (C...	15.182	1002625	8.892 ug/ml
15) T Chrysene (C27.41)	15.224	1430438	10.372 ug/ml
16) T benzo[b]fluoranthene ...	16.743	1138579	9.340 ug/ml
17) T Bnezo[k]fluoranthene ...	16.774	1345455	10.399 ug/ml
18) T Benzo[a]pyrene (C31.34)	17.128	1188852	9.626 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.505	902145	8.686 ug/ml
20) T Dibenz[a,h]anthracene...	18.542	1699458	10.695 ug/ml
21) T Benzo[g,h,i]perylene ...	18.756	1277517	9.799 ug/ml

(f)=RT Delta > 1/2 Window

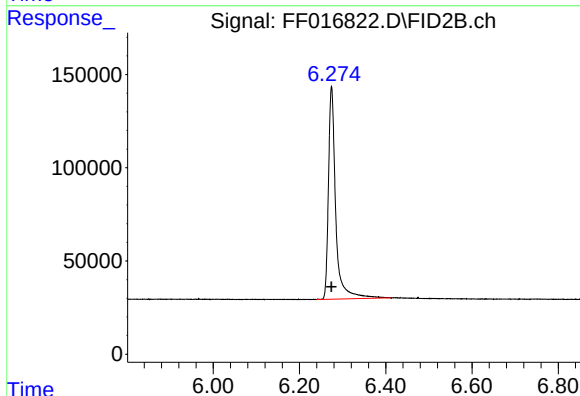
(m)=manual int.



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

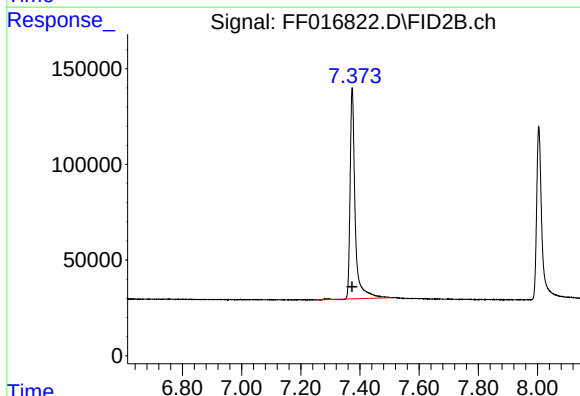
R.T.: 4.598 min
Delta R.T.: 0.000 min
Response: 1384027
Conc: 10.00 ug/ml

Instrument :
FID_F
ClientSampleId :
10 PPM AROMATIC HC STD4



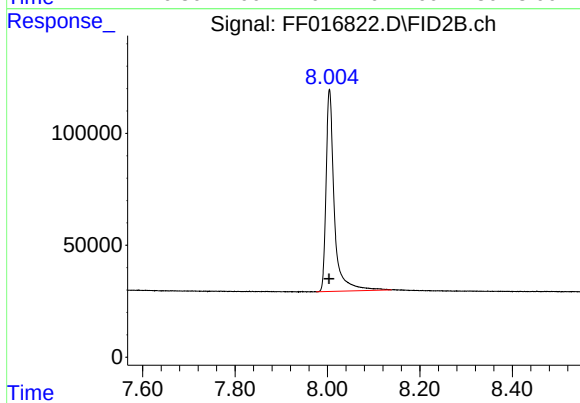
#2 Naphthalene (C11.7)

R.T.: 6.275 min
Delta R.T.: 0.000 min
Response: 1334377
Conc: 9.54 ug/ml



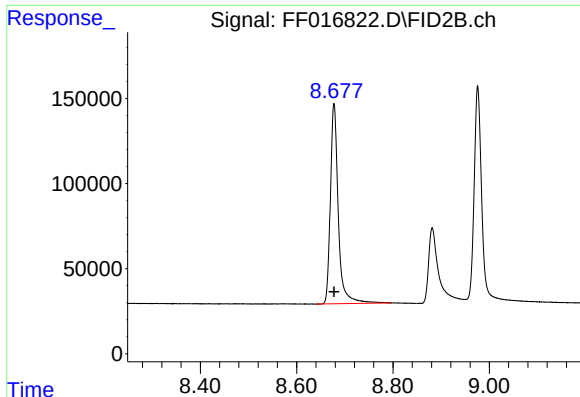
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.374 min
Delta R.T.: 0.000 min
Response: 1314198
Conc: 9.23 ug/ml



#4 2-Bromonaphthalene (SURR)

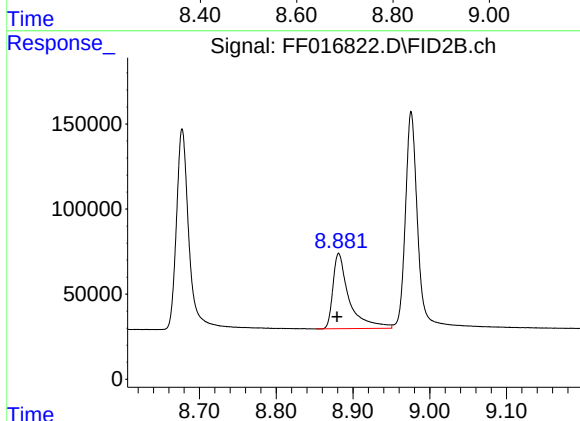
R.T.: 8.005 min
Delta R.T.: 0.001 min
Response: 1119860
Conc: 9.42 ug/ml



#5 Acenaphthylene (C15.06)

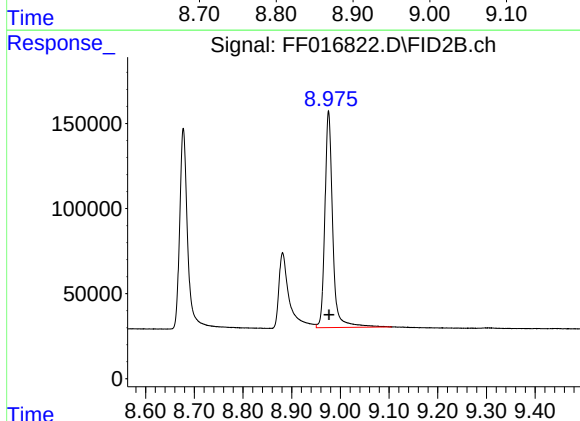
R.T.: 8.678 min
Delta R.T.: 0.000 min
Response: 1337110
Conc: 9.57 ug/ml

Instrument :
FID_F
ClientSampleId :
10 PPM AROMATIC HC STD4



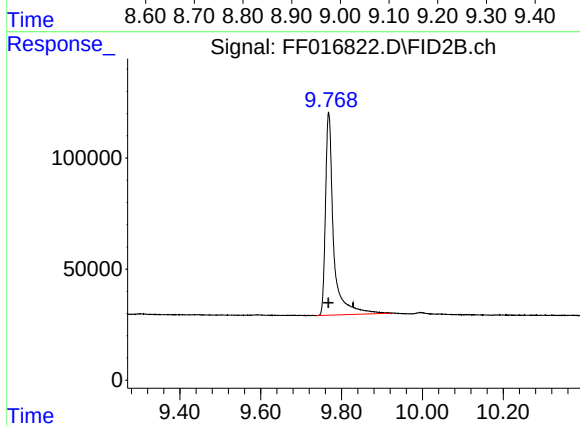
#6 2-Fluorobiphenyl (SURRE)

R.T.: 8.882 min
Delta R.T.: 0.002 min
Response: 652623
Conc: 8.74 ug/ml



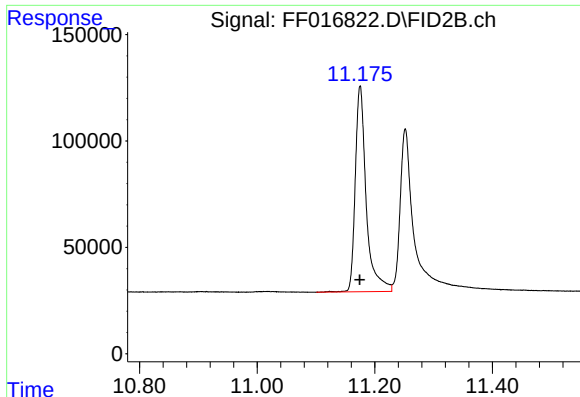
#7 Acenaphthene (C15.5)

R.T.: 8.976 min
Delta R.T.: 0.000 min
Response: 1428970
Conc: 9.80 ug/ml



#8 Fluorene (C16.55)

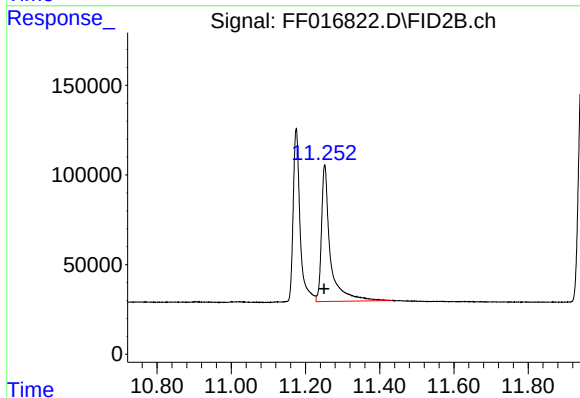
R.T.: 9.768 min
Delta R.T.: 0.000 min
Response: 1277173
Conc: 9.40 ug/ml



#9 Phenanthrene (C19.36)

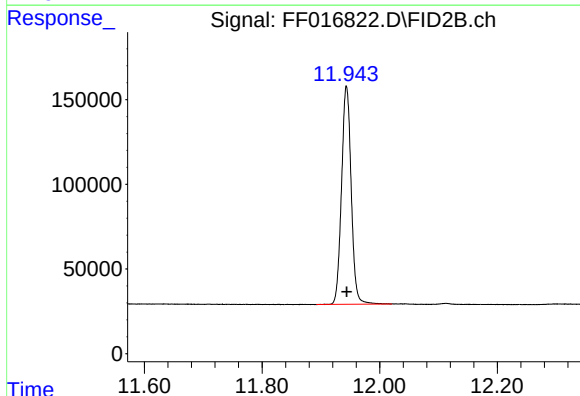
R.T.: 11.175 min
Delta R.T.: 0.000 min
Response: 1254636
Conc: 9.38 ug/ml

Instrument :
FID_F
ClientSampleId :
10 PPM AROMATIC HC STD4



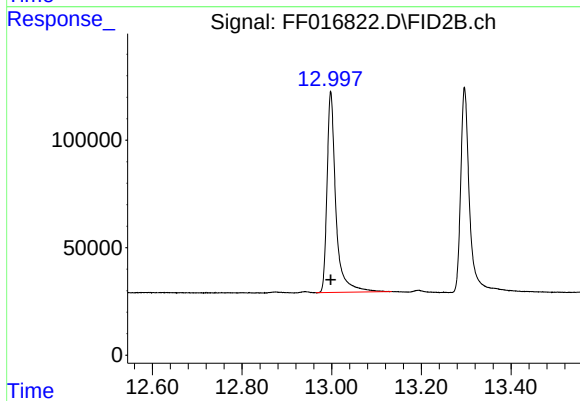
#10 Anthracene (C19.43)

R.T.: 11.252 min
Delta R.T.: 0.002 min
Response: 1271504
Conc: 9.87 ug/ml



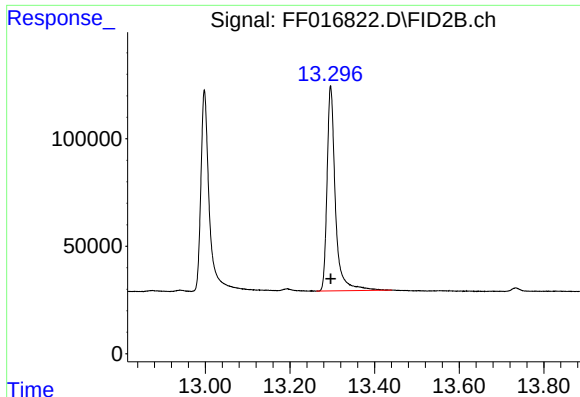
#11 ortho-Terphenyl (SURR)

R.T.: 11.944 min
Delta R.T.: 0.000 min
Response: 1469043
Conc: 9.88 ug/ml



#12 Fluoranthene (C21.85)

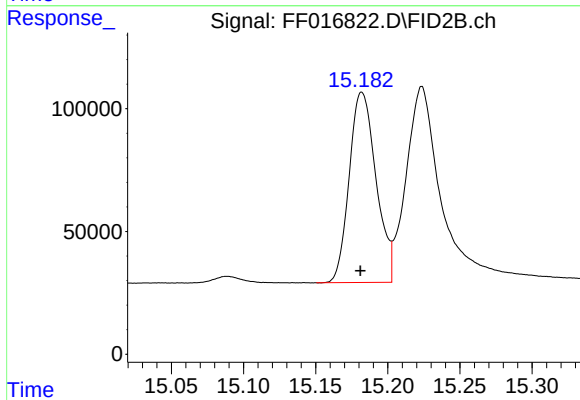
R.T.: 12.998 min
Delta R.T.: 0.000 min
Response: 1284734
Conc: 9.59 ug/ml



#13 Pyrene (C20.8)

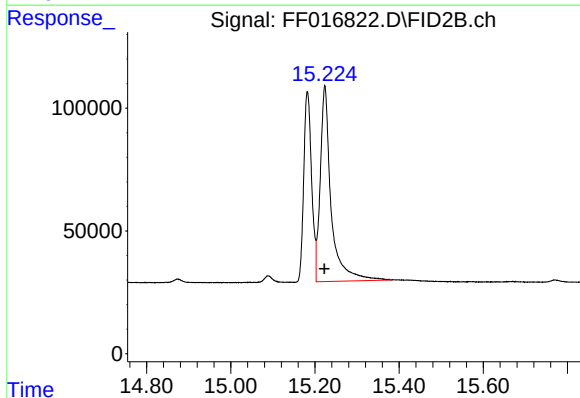
R.T.: 13.296 min
Delta R.T.: 0.000 min
Response: 1306034
Conc: 9.70 ug/ml

Instrument :
FID_F
ClientSampleId :
10 PPM AROMATIC HC STD4



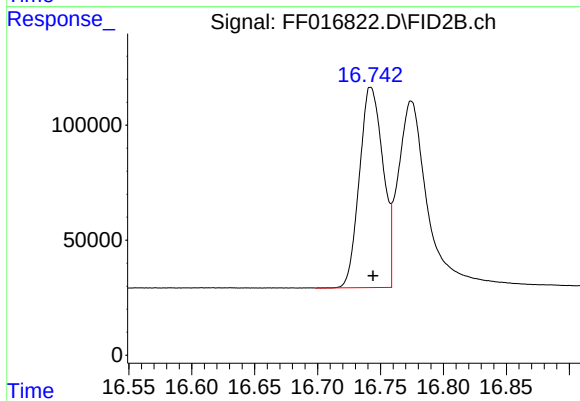
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.182 min
Delta R.T.: 0.001 min
Response: 1002625
Conc: 8.89 ug/ml



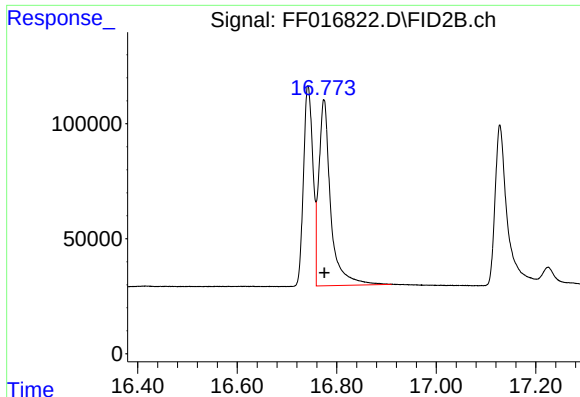
#15 Chrysene (C27.41)

R.T.: 15.224 min
Delta R.T.: 0.001 min
Response: 1430438
Conc: 10.37 ug/ml



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

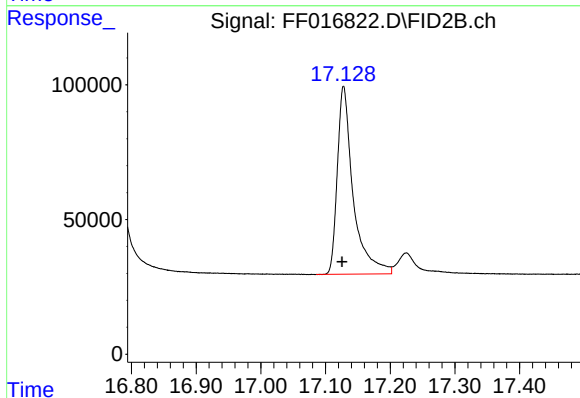
R.T.: 16.743 min
Delta R.T.: -0.002 min
Response: 1138579
Conc: 9.34 ug/ml



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

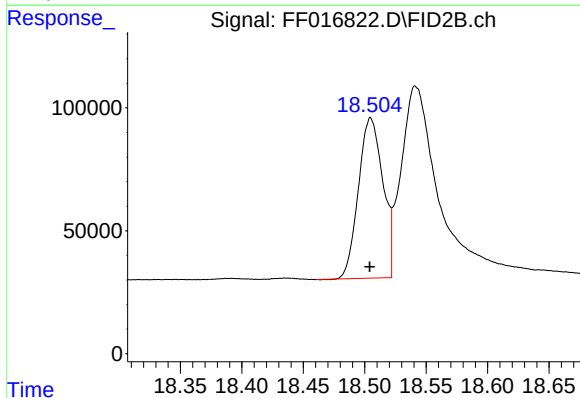
R.T.: 16.774 min
Delta R.T.: 0.000 min
Response: 1345455
Conc: 10.40 ug/ml

Instrument :
FID_F
ClientSampleId :
10 PPM AROMATIC HC STD4



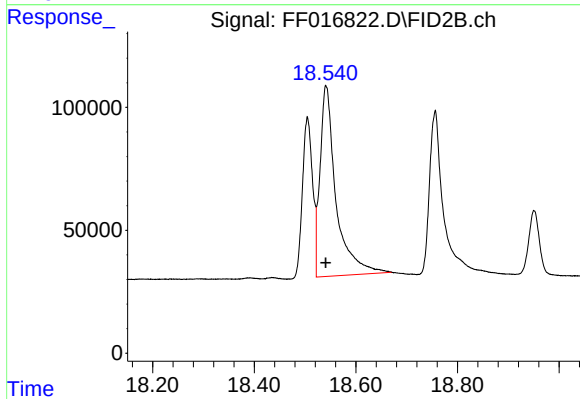
#18 Benzo[a]pyrene (C31.34)

R.T.: 17.128 min
Delta R.T.: 0.002 min
Response: 1188852
Conc: 9.63 ug/ml



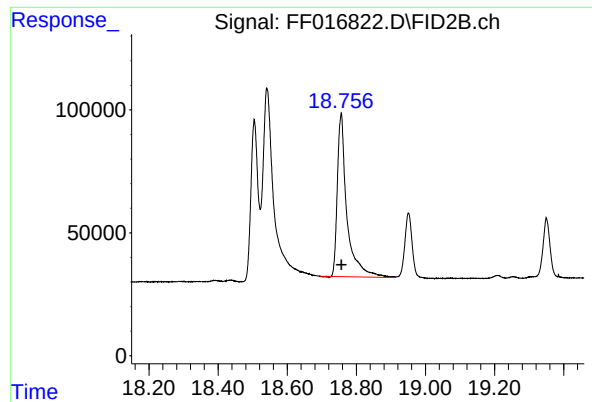
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.505 min
Delta R.T.: 0.000 min
Response: 902145
Conc: 8.69 ug/ml



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

R.T.: 18.542 min
Delta R.T.: 0.000 min
Response: 1699458
Conc: 10.70 ug/ml



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

R.T.: 18.756 min
Delta R.T.: -0.001 min
Response: 1277517
Conc: 9.80 ug/ml

Instrument :
FID_F
ClientSampleId :
10 PPM AROMATIC HC STD4

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF112625AR\
Data File : FF016822.D
Signal(s) : FID2B.ch
Acq On : 26 Nov 2025 22:41
Sample : 10 PPM AROMATIC HC STD4
Misc :
ALS Vial : 24 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 112625.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	4.598	4.560	4.677	BB	134916	1384027	81.44%	5.239%
2	6.275	6.239	6.414	BB	113800	1334377	78.52%	5.051%
3	7.374	7.252	7.507	BB	110145	1314198	77.33%	4.974%
4	8.005	7.975	8.139	BB	90016	1119860	65.90%	4.239%
5	8.678	8.640	8.797	BB	117829	1337110	78.68%	5.061%
6	8.882	8.852	8.950	BV	44137	652623	38.40%	2.470%
7	8.976	8.950	9.105	VB	127267	1428970	84.08%	5.409%
8	9.768	9.737	9.924	BB	90749	1277173	75.15%	4.834%
9	11.175	11.100	11.229	BV	96748	1254636	73.83%	4.749%
10	11.252	11.229	11.432	VB	76294	1271504	74.82%	4.813%
11	11.944	11.892	12.020	BB	128705	1469043	86.44%	5.560%
12	12.998	12.965	13.134	BB	93318	1284734	75.60%	4.863%
13	13.296	13.262	13.440	BB	94761	1306034	76.85%	4.943%
14	15.182	15.150	15.203	BV	77473	1002625	59.00%	3.795%
15	15.224	15.203	15.382	VB	79820	1430438	84.17%	5.414%
16	16.743	16.699	16.759	BV	86981	1138579	67.00%	4.310%
17	16.774	16.759	16.910	VB	81158	1345455	79.17%	5.093%
18	17.128	17.085	17.202	BV	69760	1188852	69.95%	4.500%
19	18.505	18.460	18.522	BV	65162	902145	53.08%	3.415%
20	18.542	18.522	18.670	VBA	77209	1699458	100.00%	6.433%
21	18.756	18.695	18.914	BV	66248	1277517	75.17%	4.836%
Sum of corrected areas:							26419359	

Aromatic EPH 112625.M Mon Dec 01 08:31:29 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF112625AR\
 Data File : FF016823.D
 Signal(s) : FID2B.ch
 Acq On : 26 Nov 2025 23:11
 Operator : YP\AJ
 Sample : 5 PPM AROMATIC HC STD5
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 FID_F
 ClientSampleId :
 5 PPM AROMATIC HC STD5

Integration File: autoint1.e
 Quant Time: Dec 01 08:12:57 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 112625.M
 Quant Title : GC Extractables
 QLast Update : Mon Dec 01 08:08:04 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	8.006	556292	4.680 ug/ml
Spiked Amount 50.000		Recovery =	9.36%
6) S 2-Fluorobiphenyl (SURR)	8.888	303737	4.068 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	8.14%
11) S ortho-Terphenyl (SURR)	11.943	825204	5.548 ug/ml
Spiked Amount 50.000		Recovery =	11.10%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.598	769575	5.563 ug/ml
2) T Naphthalene (C11.7)	6.276	696123	4.978 ug/ml
3) T 2-Methylnaphthalene (...)	7.376	665399	4.676 ug/ml
5) T Acenaphthylene (C15.06)	8.679	716034	5.125 ug/ml
7) T Acenaphthene (C15.5)	8.976	781384	5.358 ug/ml
8) T Flouorene (C16.55)	9.771	671806	4.945 ug/ml
9) T Phenanthrene (C19.36)	11.177	651651	4.874 ug/ml
10) T Anthracene (C19.43)	11.255	681780	5.291 ug/ml
12) T Fluoranthene (C21.85)	13.001	688617	5.141 ug/ml
13) T Pyrene (C20.8)	13.297	713089	5.296 ug/ml
14) T Benzo[a]anthracene (C...	15.185	492611	4.369 ug/ml
15) T Chrysene (C27.41)	15.225	827361	5.999 ug/ml
16) T benzo[b]fluoranthene ...	16.747	608979	4.996 ug/ml
17) T Bnezo[k]fluoranthene ...	16.778	779028	6.021 ug/ml
18) T Benzo[a]pyrene (C31.34)	17.134	643706	5.212 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.510	406082	3.910 ug/ml
20) T Dibenz[a,h]anthracene...	18.546	1066641	6.713 ug/ml
21) T Benzo[g,h,i]perylene ...	18.760	676973	5.193 ug/ml

(f)=RT Delta > 1/2 Window

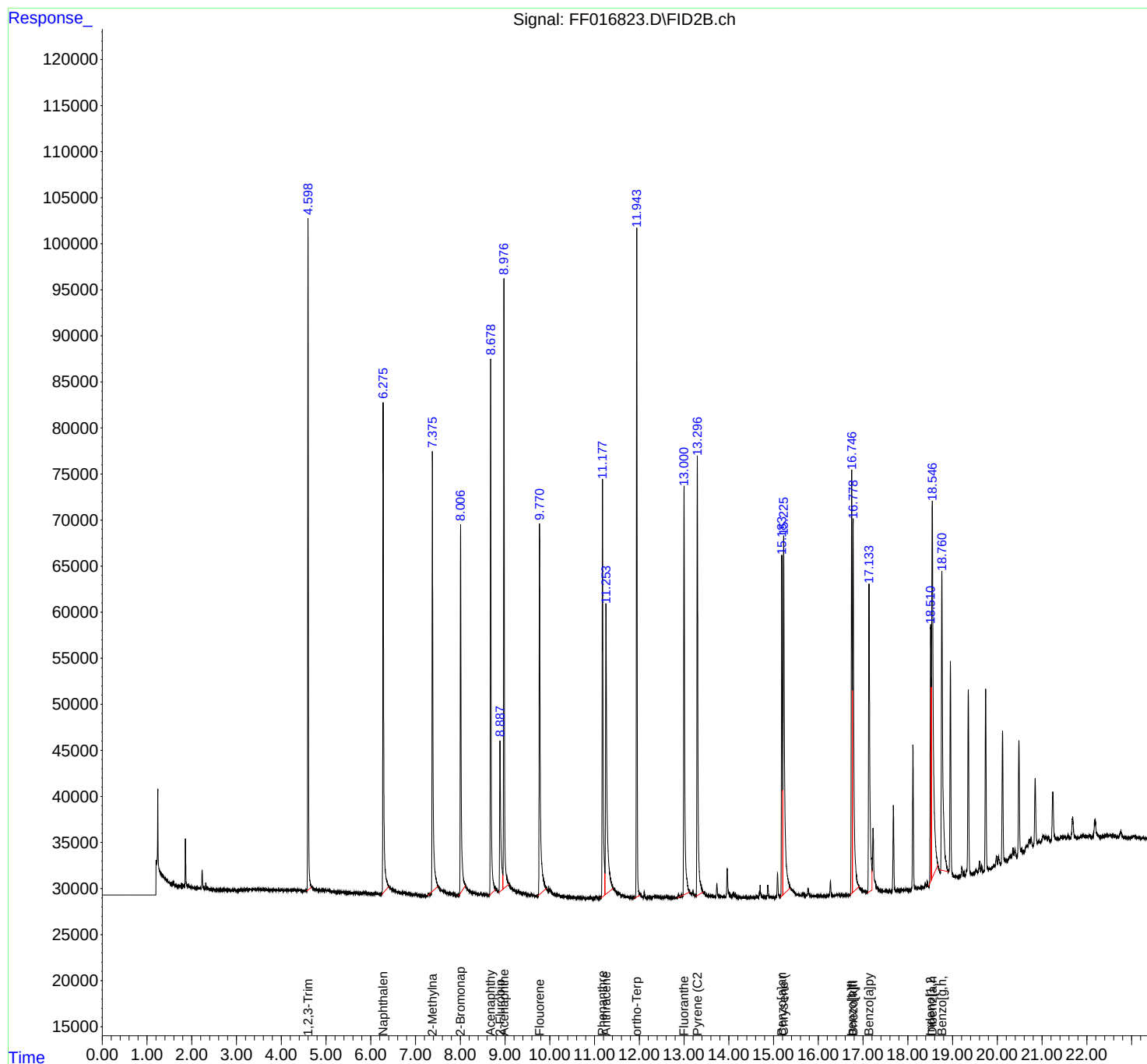
(m)=manual int.

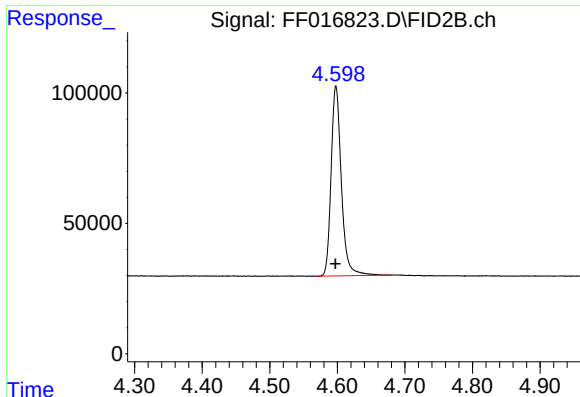
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF112625AR\
Data File : FF016823.D
Signal(s) : FID2B.ch
Acq On : 26 Nov 2025 23:11
Operator : YP\AJ
Sample : 5 PPM AROMATIC HC STD5
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
5 PPM AROMATIC HC STD5

Integration File: autoint1.e
Quant Time: Dec 01 08:12:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 112625.M
Quant Title : GC Extractables
QLast Update : Mon Dec 01 08:08:04 2025
Response via : Initial Calibration
Integrator: ChemStation

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

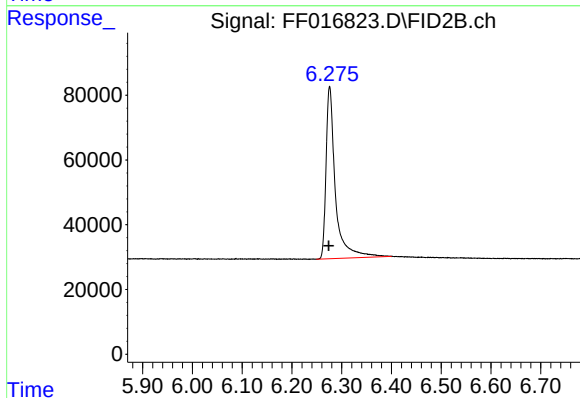




#1 1,2,3-Trimethylbenzene (C10.1)

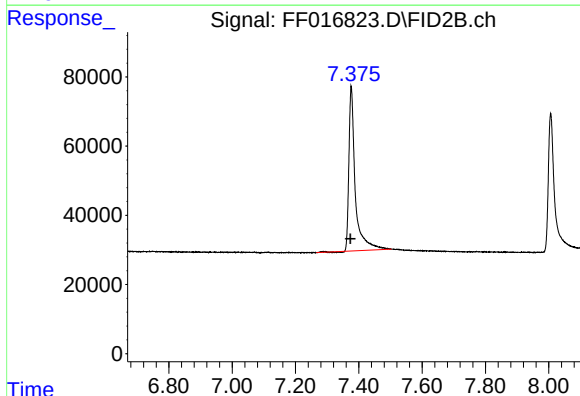
R.T.: 4.598 min
Delta R.T.: 0.001 min
Response: 769575
Conc: 5.56 ug/ml

Instrument :
FID_F
ClientSampleId :
5 PPM AROMATIC HC STD5



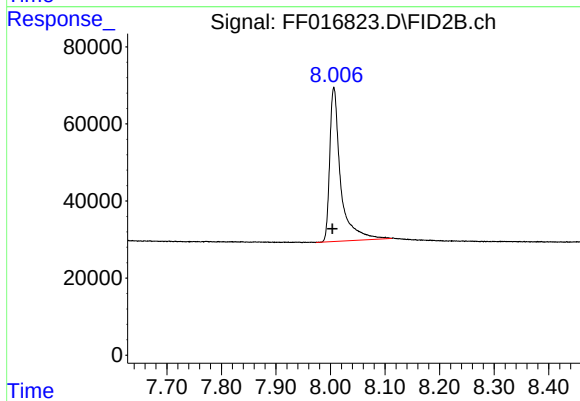
#2 Naphthalene (C11.7)

R.T.: 6.276 min
Delta R.T.: 0.002 min
Response: 696123
Conc: 4.98 ug/ml



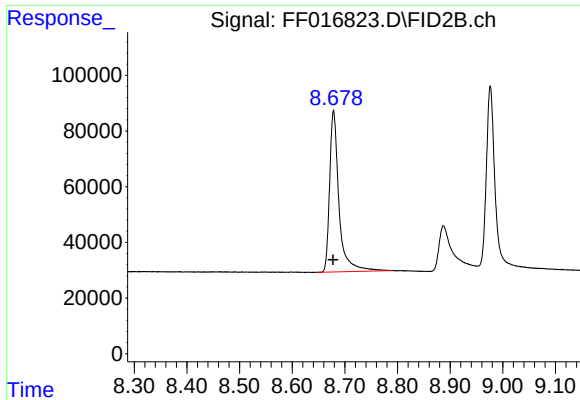
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.376 min
Delta R.T.: 0.003 min
Response: 665399
Conc: 4.68 ug/ml



#4 2-Bromonaphthalene (SURR)

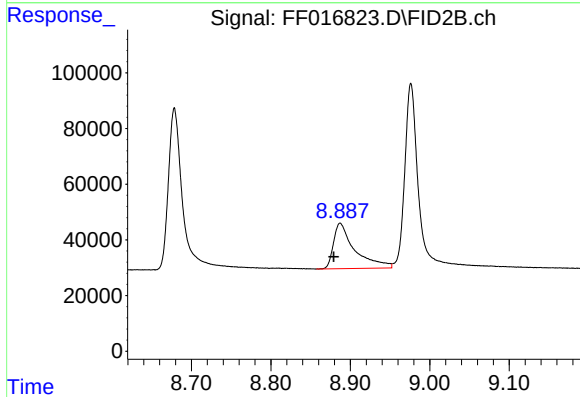
R.T.: 8.006 min
Delta R.T.: 0.003 min
Response: 556292
Conc: 4.68 ug/ml



#5 Acenaphthylene (C15.06)

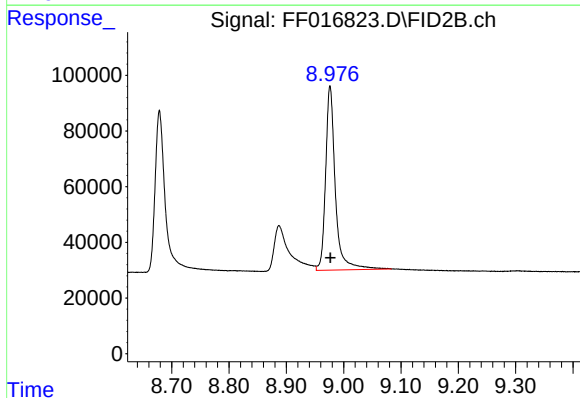
R.T.: 8.679 min
Delta R.T.: 0.001 min
Response: 716034
Conc: 5.12 ug/ml

Instrument :
FID_F
ClientSampleId :
5 PPM AROMATIC HC STD5



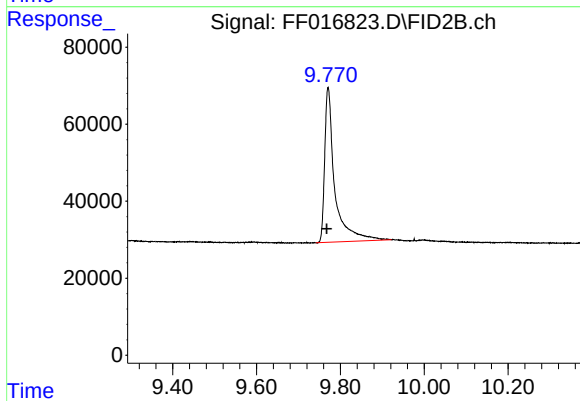
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.888 min
Delta R.T.: 0.008 min
Response: 303737
Conc: 4.07 ug/ml



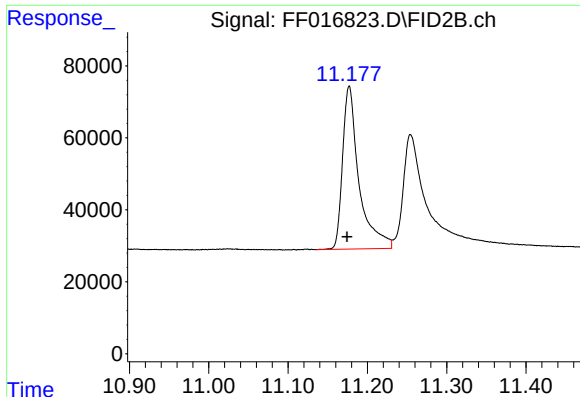
#7 Acenaphthene (C15.5)

R.T.: 8.976 min
Delta R.T.: 0.000 min
Response: 781384
Conc: 5.36 ug/ml



#8 Flouorene (C16.55)

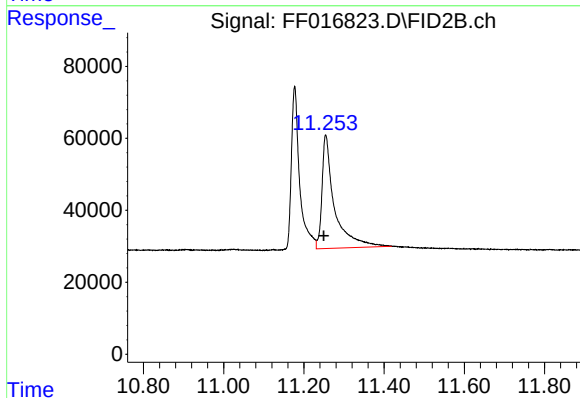
R.T.: 9.771 min
Delta R.T.: 0.003 min
Response: 671806
Conc: 4.94 ug/ml



#9 Phenanthrene (C19.36)

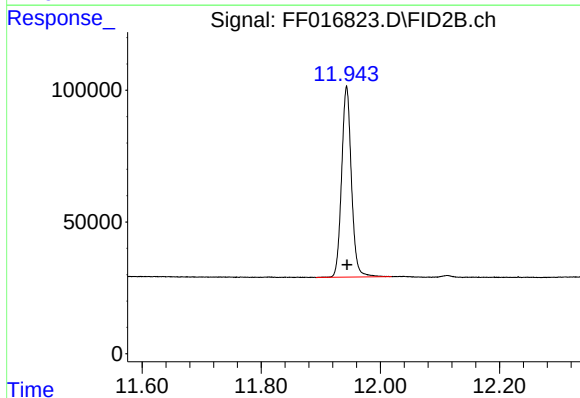
R.T.: 11.177 min
Delta R.T.: 0.003 min
Response: 651651
Conc: 4.87 ug/ml

Instrument :
FID_F
ClientSampleId :
5 PPM AROMATIC HC STD5



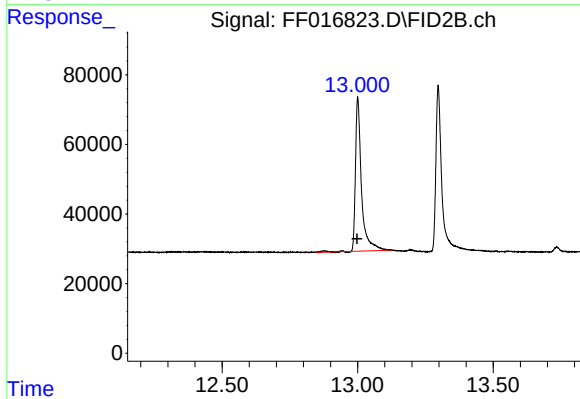
#10 Anthracene (C19.43)

R.T.: 11.255 min
Delta R.T.: 0.005 min
Response: 681780
Conc: 5.29 ug/ml



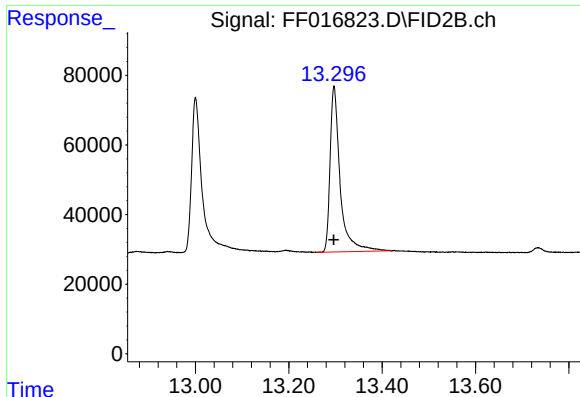
#11 ortho-Terphenyl (SURR)

R.T.: 11.943 min
Delta R.T.: 0.000 min
Response: 825204
Conc: 5.55 ug/ml



#12 Fluoranthene (C21.85)

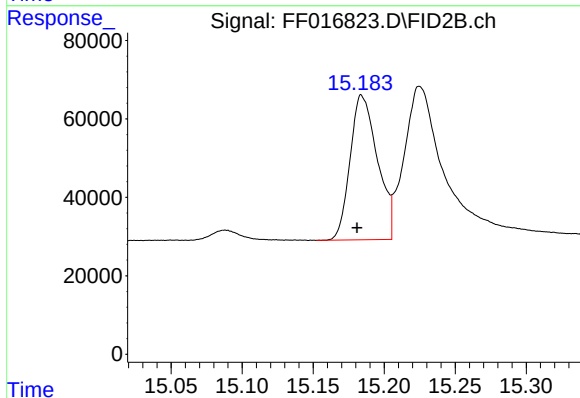
R.T.: 13.001 min
Delta R.T.: 0.003 min
Response: 688617
Conc: 5.14 ug/ml



#13 Pyrene (C20.8)

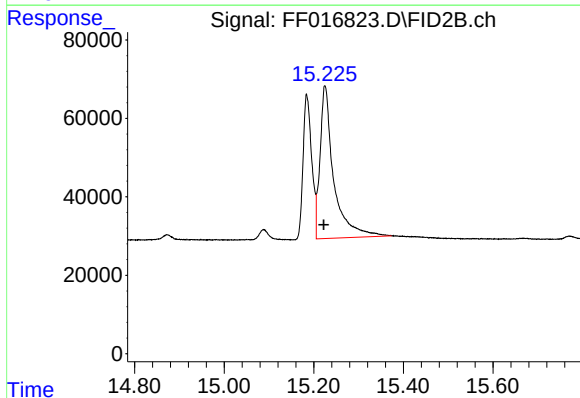
R.T.: 13.297 min
Delta R.T.: 0.000 min
Response: 713089
Conc: 5.30 ug/ml

Instrument :
FID_F
ClientSampleId :
5 PPM AROMATIC HC STD5



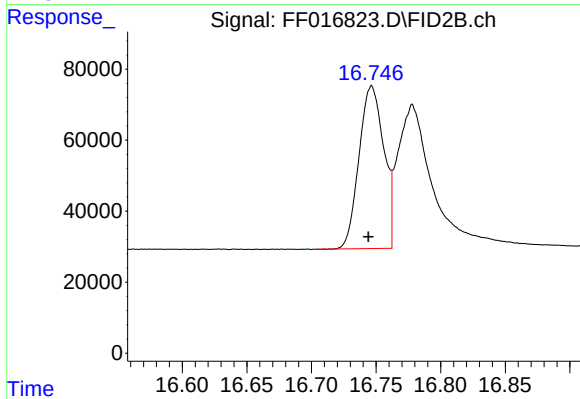
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.185 min
Delta R.T.: 0.004 min
Response: 492611
Conc: 4.37 ug/ml



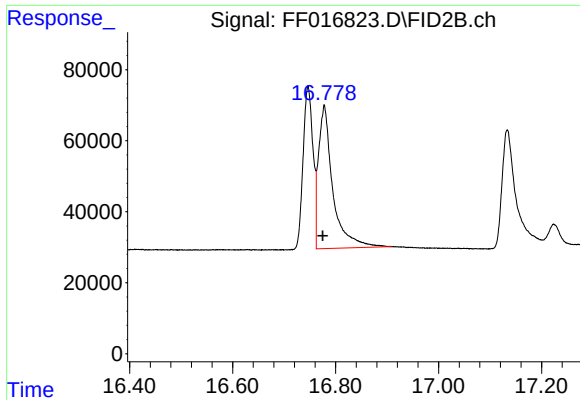
#15 Chrysene (C27.41)

R.T.: 15.225 min
Delta R.T.: 0.003 min
Response: 827361
Conc: 6.00 ug/ml



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

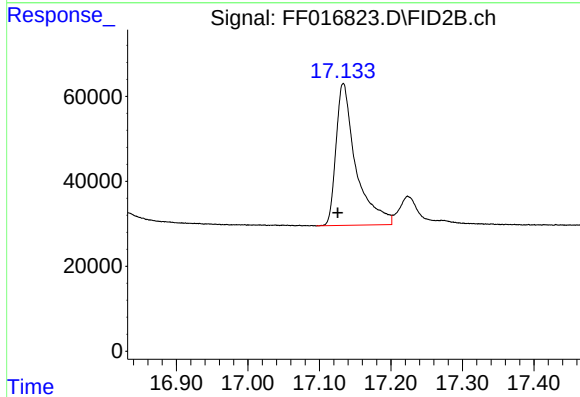
R.T.: 16.747 min
Delta R.T.: 0.002 min
Response: 608979
Conc: 5.00 ug/ml



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

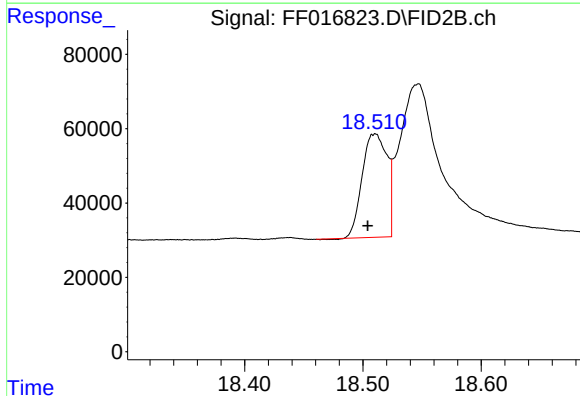
R.T.: 16.778 min
Delta R.T.: 0.003 min
Response: 779028
Conc: 6.02 ug/ml

Instrument :
FID_F
ClientSampleId :
5 PPM AROMATIC HC STD5



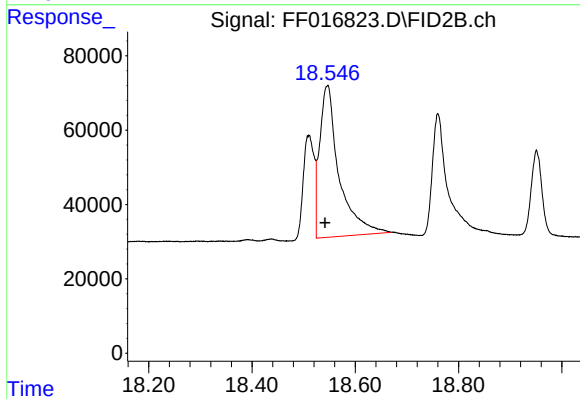
#18 Benzo[a]pyrene (C31.34)

R.T.: 17.134 min
Delta R.T.: 0.008 min
Response: 643706
Conc: 5.21 ug/ml



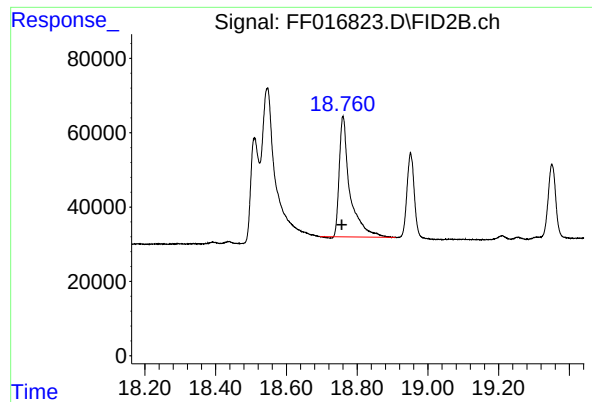
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.510 min
Delta R.T.: 0.006 min
Response: 406082
Conc: 3.91 ug/ml



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

R.T.: 18.546 min
Delta R.T.: 0.005 min
Response: 1066641
Conc: 6.71 ug/ml



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

R.T.: 18.760 min
Delta R.T.: 0.003 min
Response: 676973
Conc: 5.19 ug/ml

Instrument :

FID_F

ClientSampleId :

5 PPM AROMATIC HC STD5

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF112625AR\
Data File : FF016823.D
Signal(s) : FID2B.ch
Acq On : 26 Nov 2025 23:11
Sample : 5 PPM AROMATIC HC STD5
Misc :
ALS Vial : 25 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 112625.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	4.598	4.569	4.680	BB	72605	769575	72.15%	5.411%
2	6.276	6.249	6.400	BB	53246	696123	65.26%	4.895%
3	7.376	7.265	7.504	BB	47191	665399	62.38%	4.679%
4	8.006	7.974	8.112	BB	39880	556292	52.15%	3.911%
5	8.679	8.645	8.789	BB	57935	716034	67.13%	5.035%
6	8.888	8.857	8.952	BV	16347	303737	28.48%	2.136%
7	8.976	8.952	9.084	VB	66040	781384	73.26%	5.494%
8	9.771	9.742	9.922	BB	40190	671806	62.98%	4.724%
9	11.177	11.135	11.231	BV	45279	651651	61.09%	4.582%
10	11.255	11.231	11.419	VB	31334	681780	63.92%	4.794%
11	11.943	11.892	12.019	BB	72591	825204	77.36%	5.802%
12	13.001	12.847	13.125	BB	44170	688617	64.56%	4.842%
13	13.297	13.259	13.420	BB	47683	713089	66.85%	5.014%
14	15.185	15.152	15.205	BV	36130	492611	46.18%	3.464%
15	15.225	15.205	15.374	VB	38815	827361	77.57%	5.817%
16	16.747	16.704	16.762	BV	45888	608979	57.09%	4.282%
17	16.778	16.762	16.909	VB	40412	779028	73.04%	5.478%
18	17.134	17.095	17.201	BV	33421	643706	60.35%	4.526%
19	18.510	18.460	18.524	BV	27887	406082	38.07%	2.855%
20	18.546	18.524	18.670	VBA	40730	1066641	100.00%	7.500%
21	18.760	18.695	18.909	BB	32384	676973	63.47%	4.760%
Sum of corrected areas:							14222071	

Aromatic EPH 112625.M Mon Dec 01 08:32:06 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF112625AR\
 Data File : FF016824.D
 Signal(s) : FID2B.ch
 Acq On : 26 Nov 2025 23:40
 Operator : YP\AJ
 Sample : 20 PPM AROMATIC HC STD ICV
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 FID_F
 ClientSampleId :
 20 PPM AROMATIC HC STD ICV

Integration File: autoint1.e
 Quant Time: Dec 01 08:20:29 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 112625.M
 Quant Title : GC Extractables
 QLast Update : Mon Dec 01 08:18:58 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	8.004	2510355	21.893 ug/ml
Spiked Amount 50.000		Recovery =	43.79%
6) S 2-Fluorobiphenyl (SURR)	8.879	1561325	22.027 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	44.05%
11) S ortho-Terphenyl (SURR)	11.944	3104088	21.094 ug/ml
Spiked Amount 50.000		Recovery =	42.19%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.597	2957226	21.523 ug/ml
2) T Naphthalene (C11.7)	6.274	2955843	21.733 ug/ml
3) T 2-Methylnaphthalene (...)	7.374	3002642	22.185 ug/ml
5) T Acenaphthylene (C15.06)	8.678	2935502	21.460 ug/ml
7) T Acenaphthene (C15.5)	8.977	3060455	21.325 ug/ml
8) T Flouorene (C16.55)	9.767	2863091	21.568 ug/ml
9) T Phenanthrene (C19.36)	11.174	2784573	21.441 ug/ml
10) T Anthracene (C19.43)	11.250	2674216	21.016 ug/ml
12) T Fluoranthene (C21.85)	12.998	2796459	21.306 ug/ml
13) T Pyrene (C20.8)	13.297	2797286	21.240 ug/ml
14) T Benzo[a]anthracene (C...	15.182	2352376	21.853 ug/ml
15) T Chrysene (C27.41)	15.223	2881183	20.825 ug/ml
16) T benzo[b]fluoranthene ...	16.744	2555440	21.636 ug/ml
17) T Bnezo[k]fluoranthene ...	16.776	2702469	20.969 ug/ml
18) T Benzo[a]pyrene (C31.34)	17.126	2595122	21.575 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.502	2142159	21.664 ug/ml
20) T Dibenz[a,h]anthracene...	18.541	3221524	20.399 ug/ml
21) T Benzo[g,h,i]perylene ...	18.758	2709733	21.334 ug/ml

(f)=RT Delta > 1/2 Window

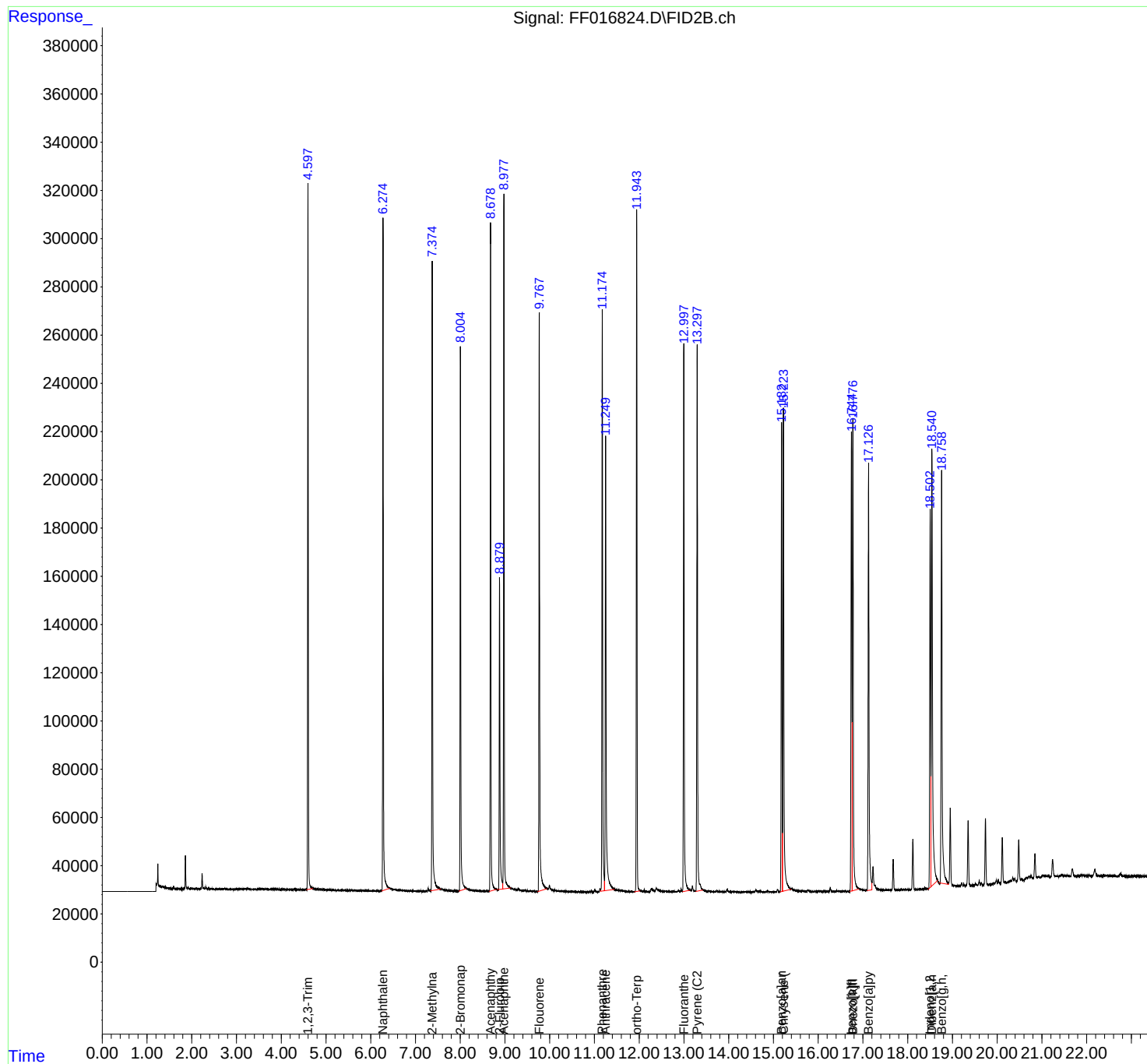
(m)=manual int.

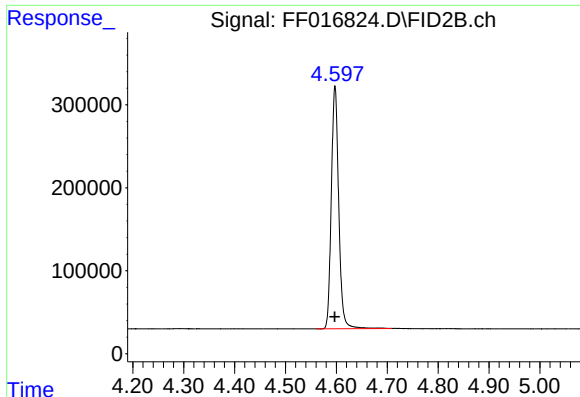
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF112625AR\
Data File : FF016824.D
Signal(s) : FID2B.ch
Acq On : 26 Nov 2025 23:40
Operator : YP\AJ
Sample : 20 PPM AROMATIC HC STD ICV
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
20 PPM AROMATIC HC STD ICV

Integration File: autoint1.e
Quant Time: Dec 01 08:20:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 112625.M
Quant Title : GC Extractables
QLast Update : Mon Dec 01 08:18:58 2025
Response via : Initial Calibration
Integrator: ChemStation

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

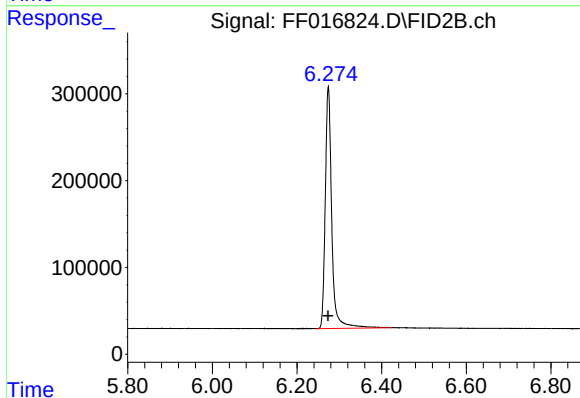




#1 1,2,3-Trimethylbenzene (C10.1)

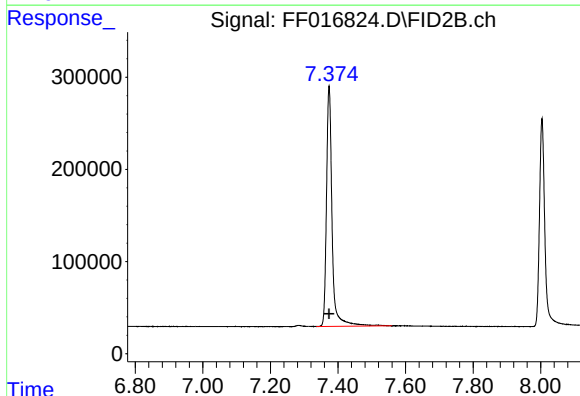
R.T.: 4.597 min
Delta R.T.: 0.000 min
Response: 2957226
Conc: 21.52 ug/ml

Instrument :
FID_F
ClientSampleId :
20 PPM AROMATIC HC STD ICV



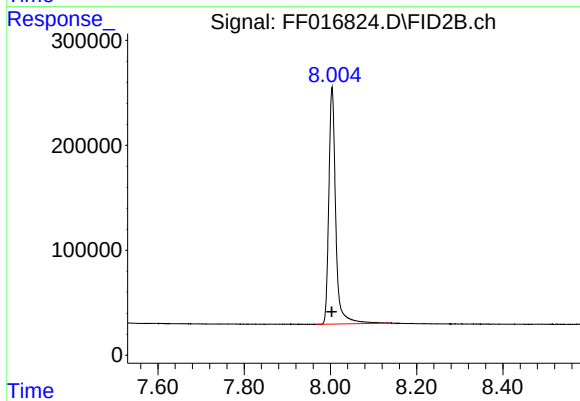
#2 Naphthalene (C11.7)

R.T.: 6.274 min
Delta R.T.: 0.000 min
Response: 2955843
Conc: 21.73 ug/ml



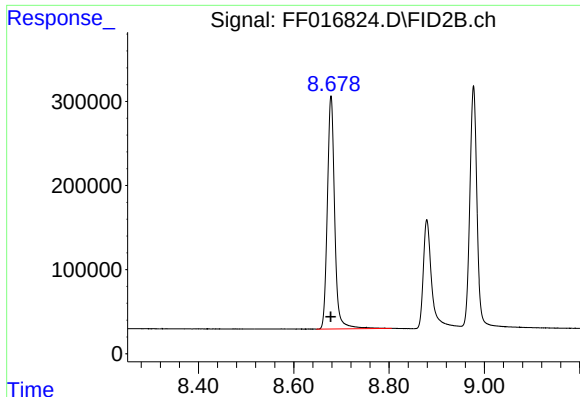
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.374 min
Delta R.T.: 0.000 min
Response: 3002642
Conc: 22.19 ug/ml



#4 2-Bromonaphthalene (SURR)

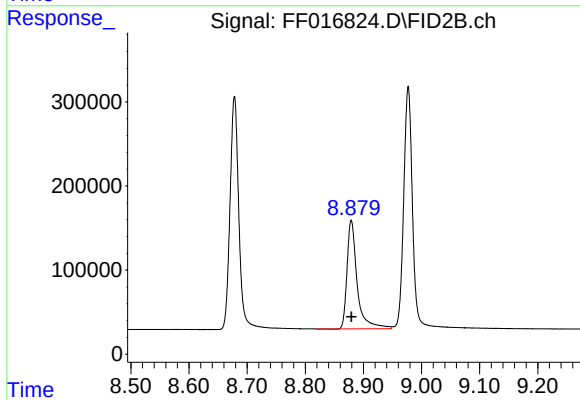
R.T.: 8.004 min
Delta R.T.: 0.000 min
Response: 2510355
Conc: 21.89 ug/ml



#5 Acenaphthylene (C15.06)

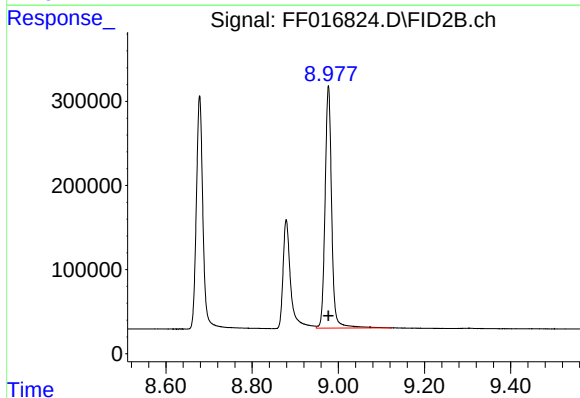
R.T.: 8.678 min
Delta R.T.: 0.000 min
Response: 2935502
Conc: 21.46 ug/ml

Instrument :
FID_F
ClientSampleId :
20 PPM AROMATIC HC STD ICV



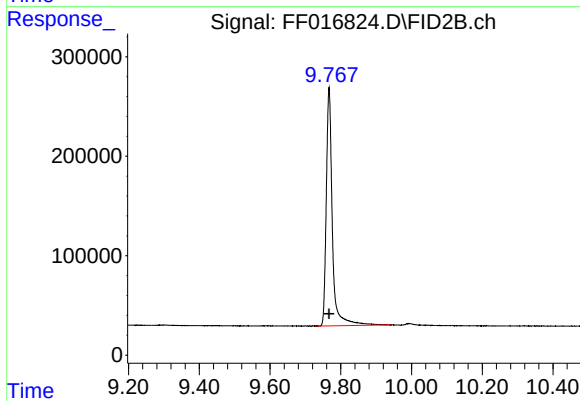
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.879 min
Delta R.T.: 0.000 min
Response: 1561325
Conc: 22.03 ug/ml



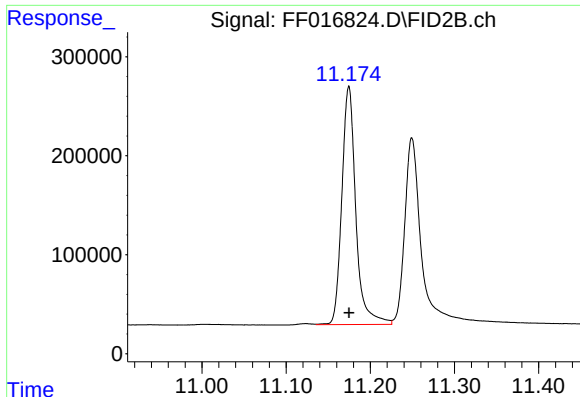
#7 Acenaphthene (C15.5)

R.T.: 8.977 min
Delta R.T.: 0.000 min
Response: 3060455
Conc: 21.33 ug/ml



#8 Fluorene (C16.55)

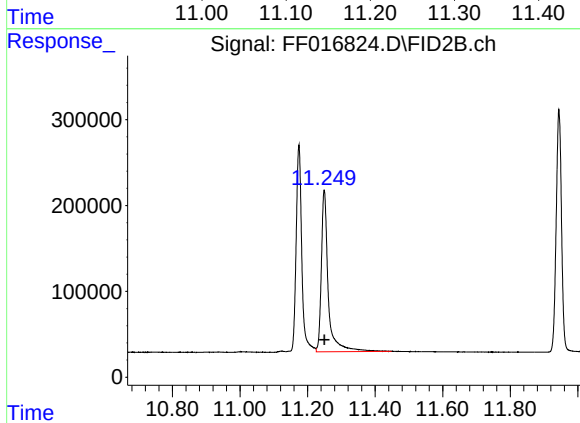
R.T.: 9.767 min
Delta R.T.: 0.000 min
Response: 2863091
Conc: 21.57 ug/ml



#9 Phenanthrene (C19.36)

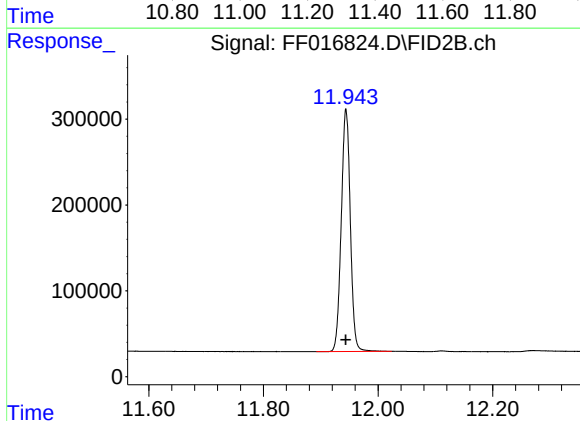
R.T.: 11.174 min
Delta R.T.: 0.000 min
Response: 2784573
Conc: 21.44 ug/ml

Instrument :
FID_F
ClientSampleId :
20 PPM AROMATIC HC STD ICV



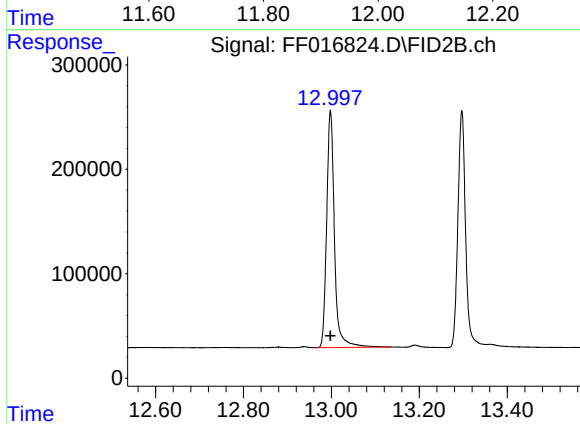
#10 Anthracene (C19.43)

R.T.: 11.250 min
Delta R.T.: 0.000 min
Response: 2674216
Conc: 21.02 ug/ml



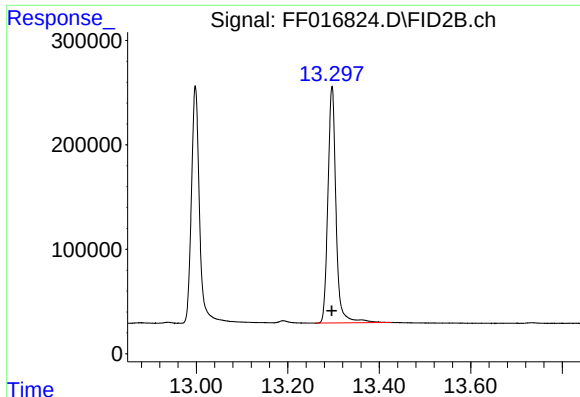
#11 ortho-Terphenyl (SURR)

R.T.: 11.944 min
Delta R.T.: 0.000 min
Response: 3104088
Conc: 21.09 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.998 min
Delta R.T.: 0.000 min
Response: 2796459
Conc: 21.31 ug/ml



#13 Pyrene (C20.8)

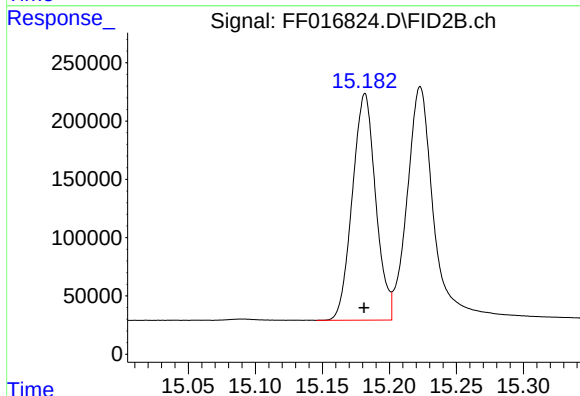
R.T.: 13.297 min
Delta R.T.: 0.000 min
Response: 2797286
Conc: 21.24 ug/ml

Instrument :

FID_F

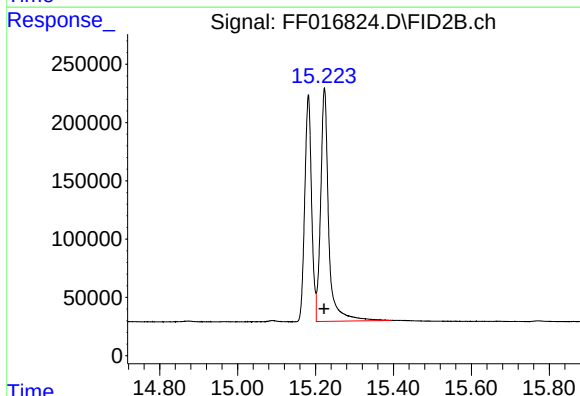
ClientSampleId :

20 PPM AROMATIC HC STD ICV



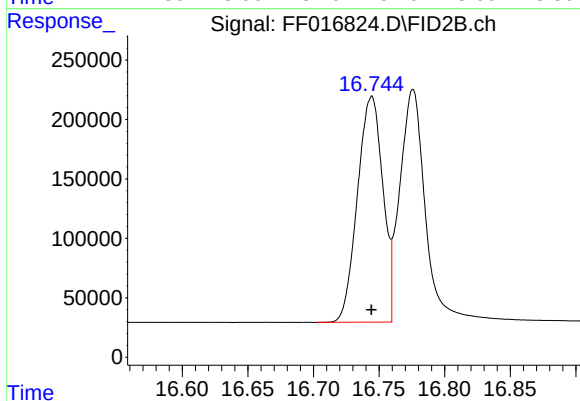
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.182 min
Delta R.T.: 0.000 min
Response: 2352376
Conc: 21.85 ug/ml



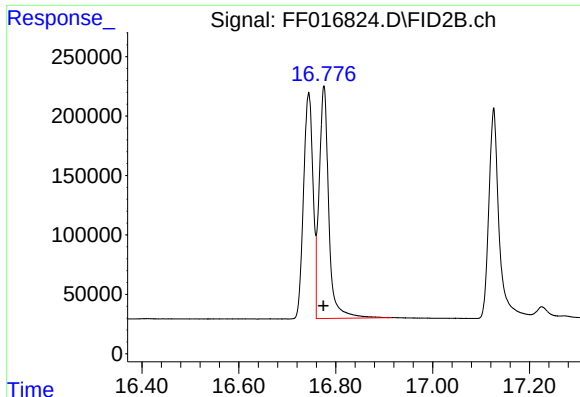
#15 Chrysene (C27.41)

R.T.: 15.223 min
Delta R.T.: 0.000 min
Response: 2881183
Conc: 20.82 ug/ml



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

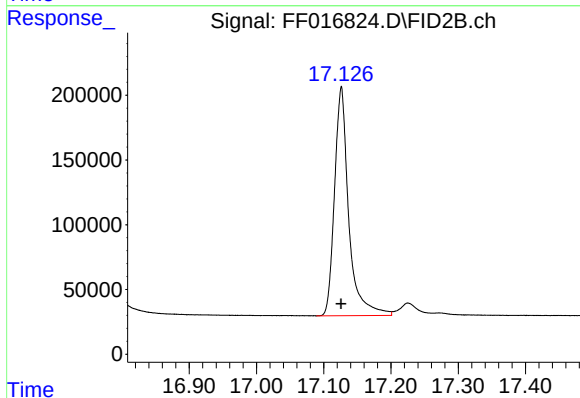
R.T.: 16.744 min
Delta R.T.: 0.000 min
Response: 2555440
Conc: 21.64 ug/ml



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

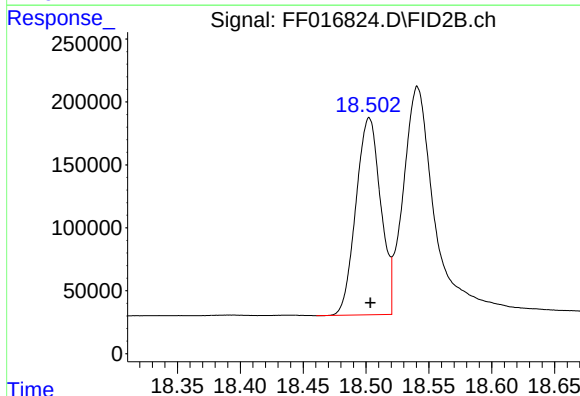
R.T.: 16.776 min
Delta R.T.: 0.000 min
Response: 2702469
Conc: 20.97 ug/ml

Instrument :
FID_F
ClientSampleId :
20 PPM AROMATIC HC STD ICV



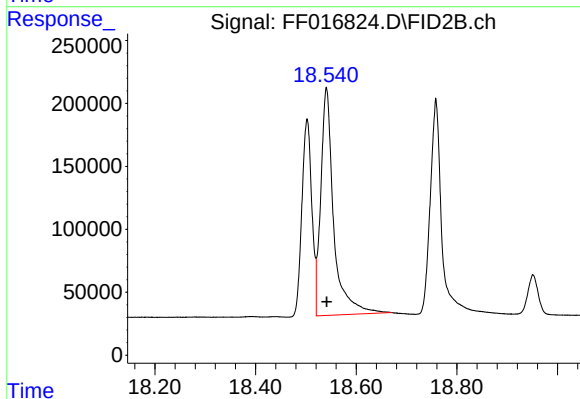
#18 Benzo[a]pyrene (C31.34)

R.T.: 17.126 min
Delta R.T.: 0.000 min
Response: 2595122
Conc: 21.57 ug/ml



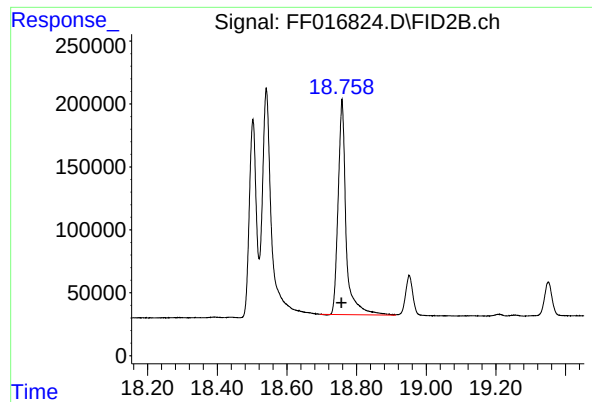
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.502 min
Delta R.T.: -0.001 min
Response: 2142159
Conc: 21.66 ug/ml



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

R.T.: 18.541 min
Delta R.T.: 0.000 min
Response: 3221524
Conc: 20.40 ug/ml



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

R.T.: 18.758 min
Delta R.T.: 0.001 min
Response: 2709733
Conc: 21.33 ug/ml

Instrument :
FID_F
ClientSampleId :
20 PPM AROMATIC HC STD ICV

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF112625AR\
Data File : FF016824.D
Signal(s) : FID2B.ch
Acq On : 26 Nov 2025 23:40
Sample : 20 PPM AROMATIC HC STD ICV
Misc :
ALS Vial : 26 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 112625.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	4.597	4.560	4.709	BB	292742	2957226	91.80%	5.173%
2	6.274	6.245	6.424	BB	278576	2955843	91.75%	5.171%
3	7.374	7.335	7.559	BB	260768	3002642	93.21%	5.253%
4	8.004	7.967	8.142	BB	225004	2510355	77.92%	4.392%
5	8.678	8.647	8.805	BB	277652	2935502	91.12%	5.135%
6	8.879	8.819	8.949	BV	129119	1561325	48.47%	2.731%
7	8.977	8.949	9.124	VB	288290	3060455	95.00%	5.354%
8	9.767	9.730	9.944	BB	239827	2863091	88.87%	5.009%
9	11.174	11.136	11.225	VV	240391	2784573	86.44%	4.871%
10	11.250	11.225	11.449	VB	188758	2674216	83.01%	4.678%
11	11.944	11.892	12.024	BB	282375	3104088	96.35%	5.430%
12	12.998	12.965	13.137	BB	226254	2796459	86.81%	4.892%
13	13.297	13.262	13.427	BB	226763	2797286	86.83%	4.894%
14	15.182	15.145	15.202	BV	195166	2352376	73.02%	4.115%
15	15.223	15.202	15.395	VB	200463	2881183	89.44%	5.040%
16	16.744	16.702	16.760	BV	189611	2555440	79.32%	4.470%
17	16.776	16.760	16.915	VB	195942	2702469	83.89%	4.728%
18	17.126	17.089	17.201	BV	176477	2595122	80.56%	4.540%
19	18.502	18.460	18.520	BV	156748	2142159	66.50%	3.747%
20	18.541	18.520	18.670	VBA	180937	3221524	100.00%	5.636%
21	18.758	18.695	18.912	BV	171041	2709733	84.11%	4.740%
Sum of corrected areas:							57163067	

Aromatic EPH 112625.M Mon Dec 01 08:32:29 2025