

Initial Calibration Report for SequenceID : FD040725AR

AreaCount

Parameter Range	FD049232.D	FD049233.D	FD049234.D	FD049235.D	FD049236.D	
Aromatic C10-C12	29839752.000	14982241.000	6112471.000	3350222.000	1646164.000	
Aromatic C12-C16	49677487.000	24625801.000	9979747.000	5389632.000	2630674.000	
Aromatic C16-C21	65416364.000	32353084.000	13305741.000	7066388.000	3404391.000	
Aromatic C21-C36	119779017.000	59475216.000	24862220.000	13179500.000	6339819.000	
Aromatic EPH	264712620.000	131436342.000	54260179.000	28985742.000	14021048.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aromatic C10-C12	156792.089	5.507				
Aromatic C12-C16	170225.0826662	4.035				
Aromatic C16-C21	167701.4685	3.541				
Aromatic C21-C36	138140.428666	4.246				
Aromatic EPH	152129.3976664	4.123				

Concentration

Parameter Range	FD049232.D	FD049233.D	FD049234.D	FD049235.D	FD049236.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	FD049232.D	FD049233.D	FD049234.D	FD049235.D	FD049236.D	
Aromatic C10-C12	149198.760000	149822.410000	152811.775000	167511.100000	164616.400000	
Aromatic C12-C16	165591.623333	164172.006666	166329.116666	179654.400000	175378.266666	
Aromatic C16-C21	163540.910000	161765.420000	166321.762500	176659.700000	170219.550000	
Aromatic C21-C36	133087.796666	132167.146666	138123.444444	146438.888888	140884.866666	
Aromatic EPH	147062.566666	146040.380000	150722.719444	161031.900000	155789.422222	

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD040725AR\
 Data File : FD049232.D
 Signal(s) : FID2B.ch
 Acq On : 07 Apr 2025 16:15
 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

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 04/08/2025
 Supervised By :mohammad ahmed 04/09/2025

Integration File: autoint1.e
 Quant Time: Apr 08 05:15:05 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 040725.M
 Quant Title : GC Extractables
 QLast Update : Tue Apr 08 05:14:19 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.760	14424350	99.788 ug/ml
Spiked Amount 50.000		Recovery =	199.58%
6) S 2-Fluorobiphenyl (SURR)	8.629	10161811	101.365 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	202.73%#
11) S ortho-Terphenyl (SURR)	11.672	16886298	97.211 ug/ml
Spiked Amount 50.000		Recovery =	194.42%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.548	14124438	96.631 ug/ml
2) T Naphthalene (C11.7)	6.096	15715314	98.557 ug/ml
3) T 2-Methylnaphthalene (...)	7.152	15774709	99.963 ug/ml
5) T Acenaphthylene (C15.06)	8.433	17132621	99.235 ug/ml
7) T Acenaphthene (C15.5)	8.731	16770157	99.505 ug/ml
8) T Fluorene (C16.55)	9.513	17097823	99.833 ug/ml
9) T Phenanthrene (C19.36)	10.912	16719563	98.094 ug/ml
10) T Anthracene (C19.43)	10.988	15597317	99.819 ug/ml
12) T Fluoranthene (C21.85)	12.727	16159792	95.562 ug/ml
13) T Pyrene (C20.8)	13.027	16001661	95.634 ug/ml
14) T Benzo[a]anthracene (C...	14.895	14068121	97.457 ug/ml
15) T Chrysene (C27.41)	14.944	13989681	96.583 ug/ml
16) T benzo[b]fluoranthene ...	16.448	13370032	96.181 ug/ml
17) T Bnezo[k]fluoranthene ...	16.488	13068315	95.299 ug/mlm
18) T Benzo[a]pyrene (C31.34)	16.830	12545484	96.612 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.196	12244453	100.460 ug/ml
20) T Dibenz[a,h]anthracene...	18.235	11804250	93.036 ug/mlm
21) T Benzo[g,h,i]perylene ...	18.458	12528889	96.335 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD040725AR\
Data File : FD049232.D
Signal(s) : FID2B.ch
Acq On : 07 Apr 2025 16:15
Operator : YP/AJ
Sample : 100 PPM AROMATIC HC STD1
Misc :
ALS Vial : 61 Sample Multiplier: 1

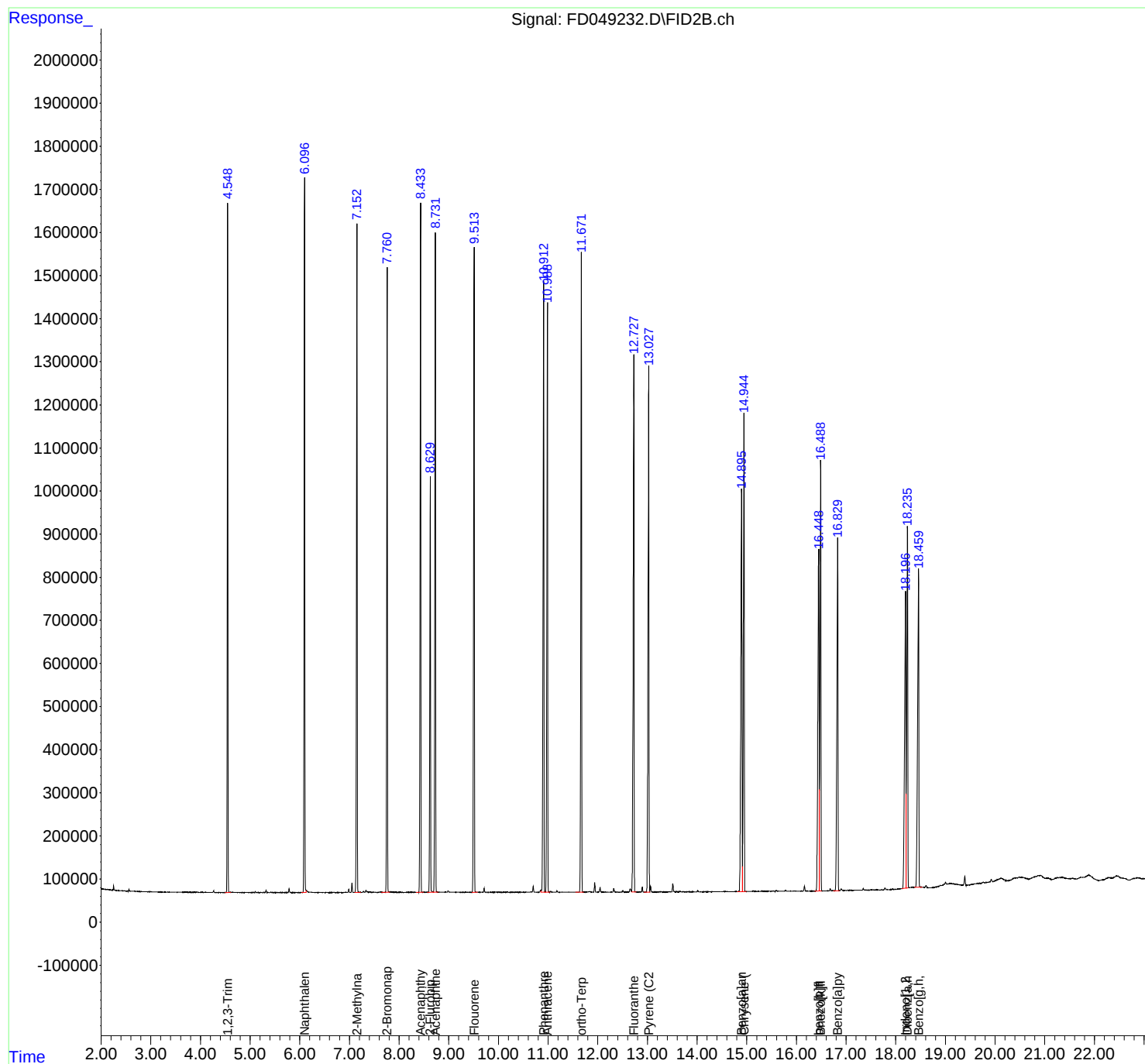
Instrument :
FID_D
ClientSampleId :
100 PPM AROMATIC HC STD1

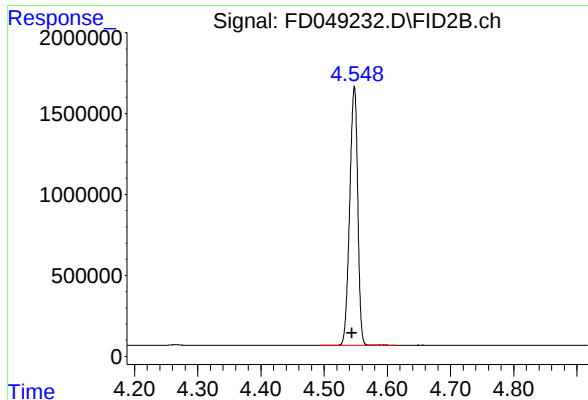
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 04/08/2025
Supervised By :mohammad ahmed 04/09/2025

Integration File: autoint1.e
Quant Time: Apr 08 05:15:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 040725.M
Quant Title : GC Extractables
QLast Update : Tue Apr 08 05:14:19 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.: 4.548 min
Delta R.T.: 0.004 min
Response: 14124438
Conc: 96.63 ug/ml

Instrument :

FID_D

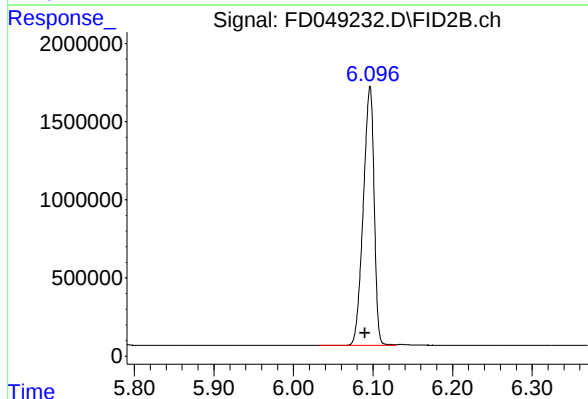
ClientSampleId :

100 PPM AROMATIC HC STD1

Manual Integrations

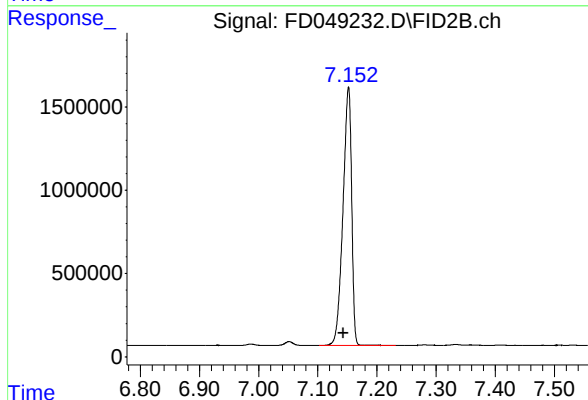
APPROVED

Reviewed By :Yogesh Patel 04/08/2025
Supervised By :mohammad ahmed 04/09/2025



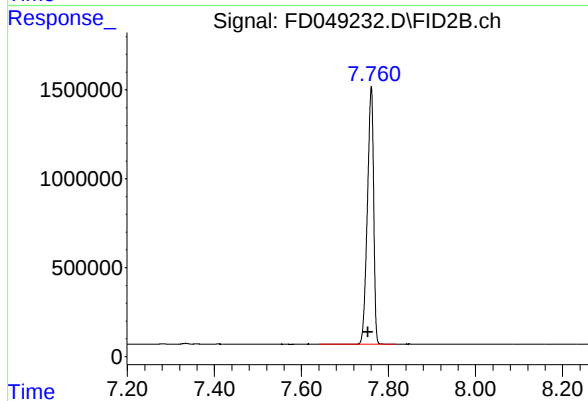
#2 Naphthalene (C11.7)

R.T.: 6.096 min
Delta R.T.: 0.006 min
Response: 15715314
Conc: 98.56 ug/ml



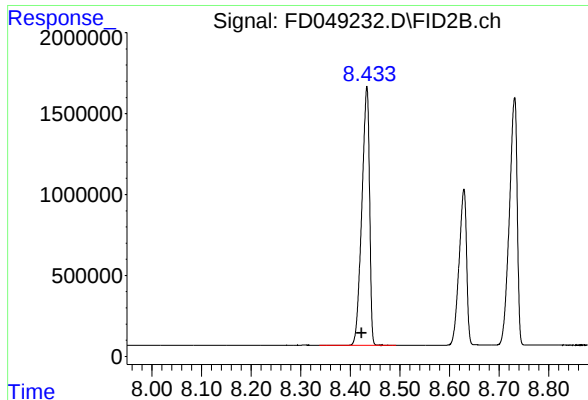
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.152 min
Delta R.T.: 0.009 min
Response: 15774709
Conc: 99.96 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.760 min
Delta R.T.: 0.008 min
Response: 14424350
Conc: 99.79 ug/ml



#5 Acenaphthylene (C15.06)

R.T.: 8.433 min
Delta R.T.: 0.011 min
Response: 17132621
Conc: 99.24 ug/ml

Instrument :

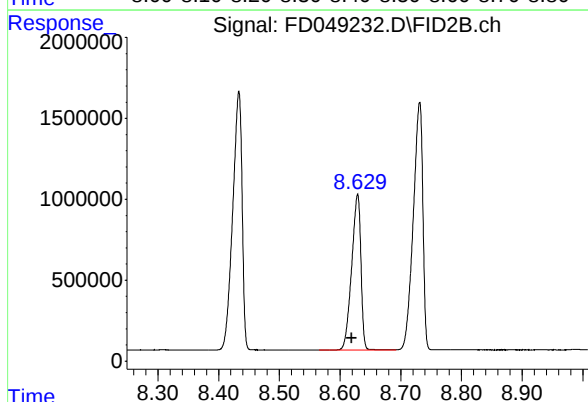
FID_D

ClientSampleId :

100 PPM AROMATIC HC STD1

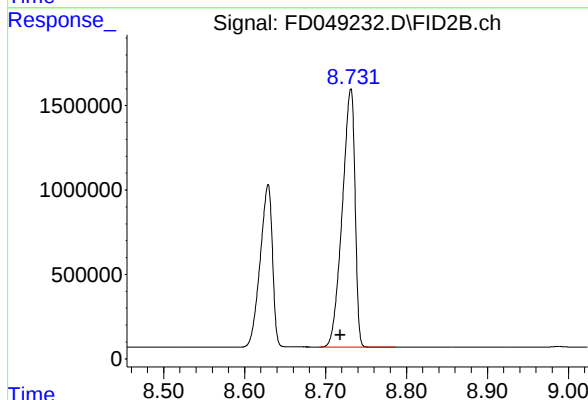
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 04/08/2025
Supervised By :mohammad ahmed 04/09/2025



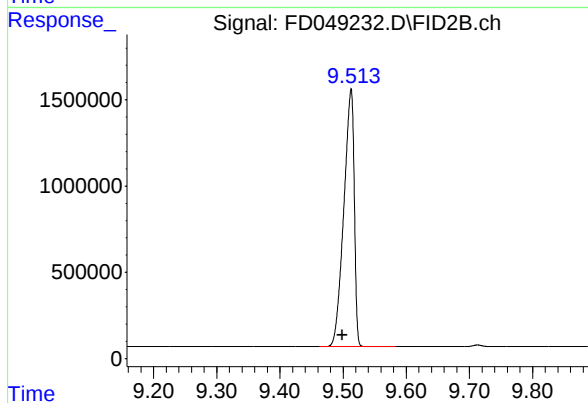
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.629 min
Delta R.T.: 0.010 min
Response: 10161811
Conc: 101.36 ug/ml



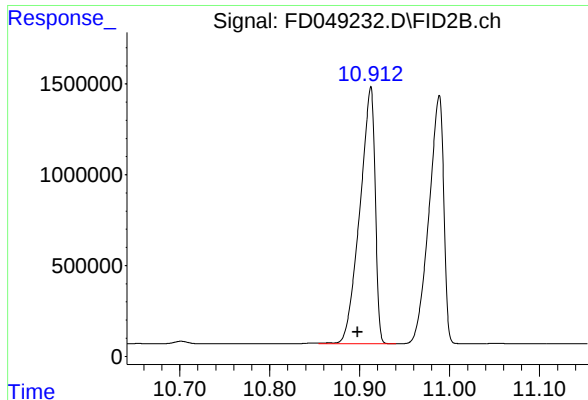
#7 Acenaphthene (C15.5)

R.T.: 8.731 min
Delta R.T.: 0.013 min
Response: 16770157
Conc: 99.51 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.513 min
Delta R.T.: 0.013 min
Response: 17097823
Conc: 99.83 ug/ml



#9 Phenanthrene (C19.36)

R.T.: 10.912 min
Delta R.T.: 0.014 min
Response: 16719563
Conc: 98.09 ug/ml

Instrument :

FID_D

ClientSampleId :

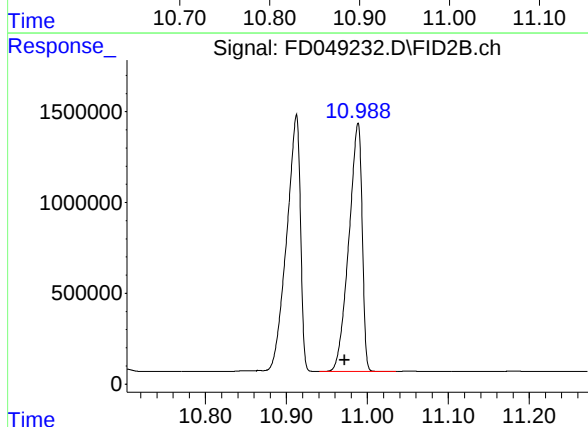
100 PPM AROMATIC HC STD1

Manual Integrations

APPROVED

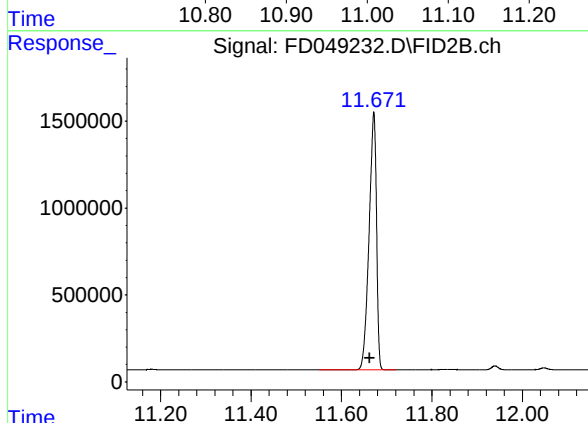
Reviewed By :Yogesh Patel 04/08/2025

Supervised By :mohammad ahmed 04/09/2025



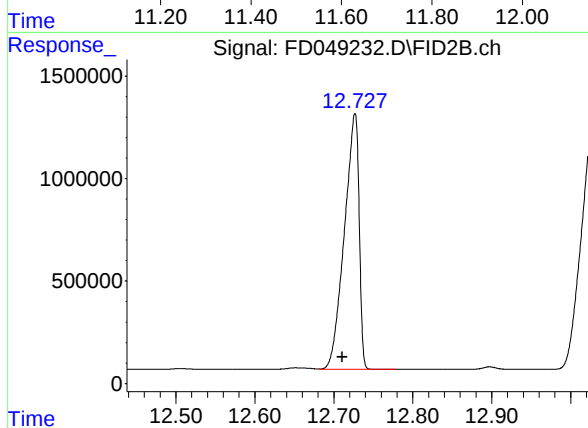
#10 Anthracene (C19.43)

R.T.: 10.988 min
Delta R.T.: 0.016 min
Response: 15597317
Conc: 99.82 ug/ml



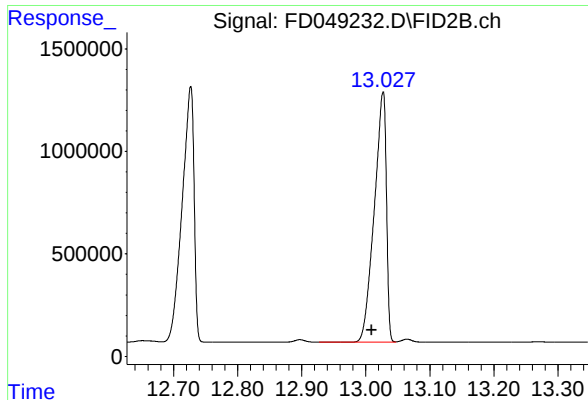
#11 ortho-Terphenyl (SURR)

R.T.: 11.672 min
Delta R.T.: 0.010 min
Response: 16886298
Conc: 97.21 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.727 min
Delta R.T.: 0.016 min
Response: 16159792
Conc: 95.56 ug/ml



#13 Pyrene (C20.8)

R.T.: 13.027 min
Delta R.T.: 0.018 min
Response: 16001661
Conc: 95.63 ug/ml

Instrument :

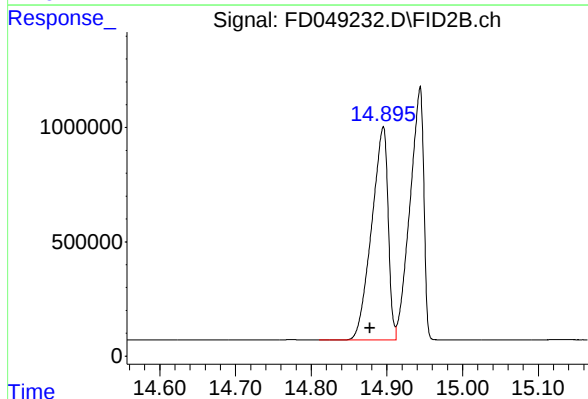
FID_D

ClientSampleId :

100 PPM AROMATIC HC STD1

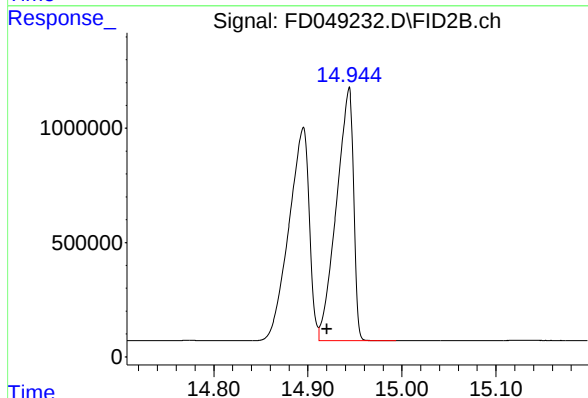
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 04/08/2025
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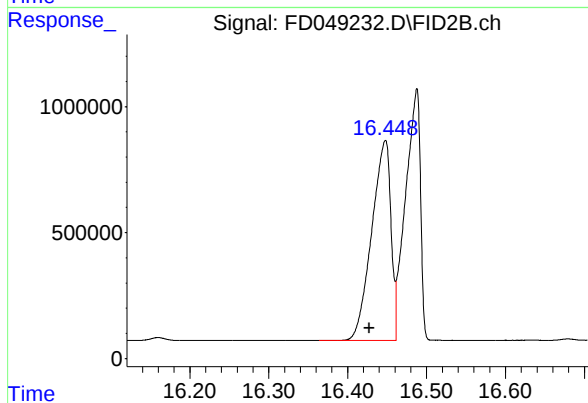
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.895 min
Delta R.T.: 0.017 min
Response: 14068121
Conc: 97.46 ug/ml



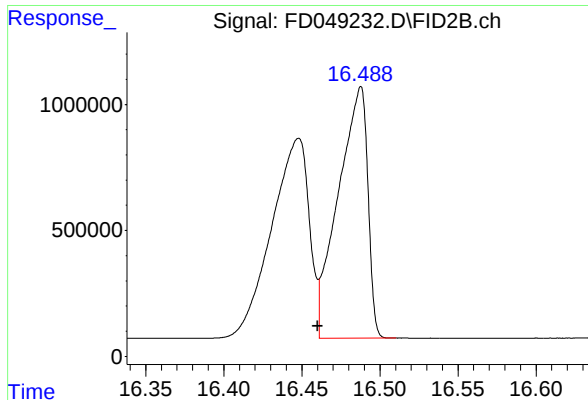
#15 Chrysene (C27.41)

R.T.: 14.944 min
Delta R.T.: 0.023 min
Response: 13989681
Conc: 96.58 ug/ml



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

R.T.: 16.448 min
Delta R.T.: 0.020 min
Response: 13370032
Conc: 96.18 ug/ml



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

R.T.: 16.488 min
Delta R.T.: 0.028 min
Response: 13068315
Conc: 95.30 ug/ml

Instrument :

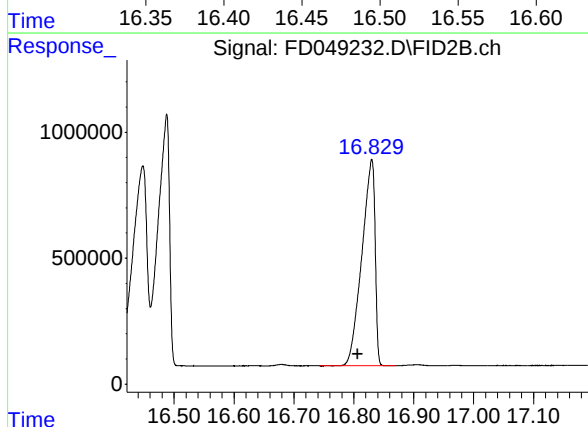
FID_D

ClientSampleId :

100 PPM AROMATIC HC STD1

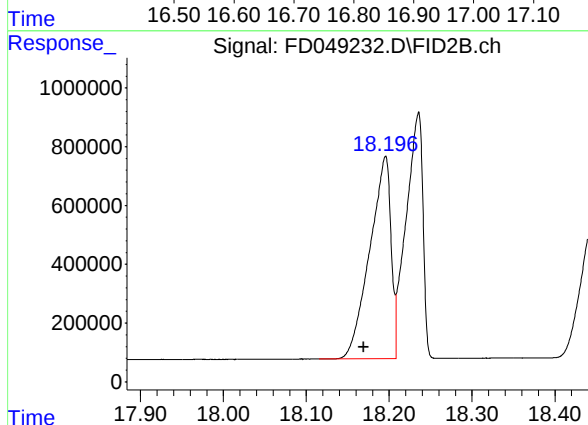
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 04/08/2025
Supervised By :mohammad ahmed 04/09/2025



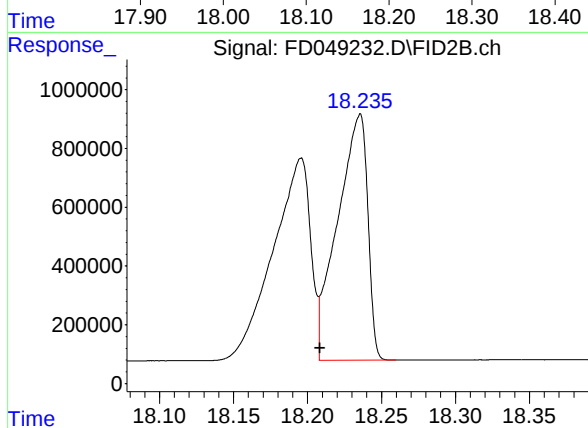
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.830 min
Delta R.T.: 0.024 min
Response: 12545484
Conc: 96.61 ug/ml



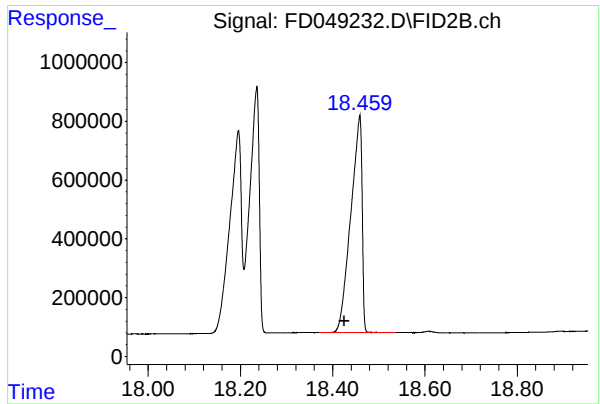
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.196 min
Delta R.T.: 0.026 min
Response: 12244453
Conc: 100.46 ug/ml



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

R.T.: 18.235 min
Delta R.T.: 0.027 min
Response: 11804250
Conc: 93.04 ug/ml m



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

R.T.: 18.458 min
Delta R.T.: 0.033 min
Response: 12528889
Conc: 96.33 ug/ml

Instrument :

FID_D

ClientSampleId :

100 PPM AROMATIC HC STD1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/08/2025

Supervised By :mohammad ahmed 04/09/2025

rteres

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

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 04/08/2025
Supervised By :mohammad ahmed 04/09/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD040725.M
Data File : FD049232.D
Signal(s) : FID2B.ch
Acq On : 07 Apr 2025 16:15
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 040725.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	4.548	4.492	4.614	BB	1600425	14124438	82.44%	4.612%
2	6.096	6.032	6.129	BV	1661748	15715314	91.73%	5.132%
3	7.152	7.102	7.232	BB	1553408	15774709	92.07%	5.151%
4	7.760	7.640	7.817	BV	1447354	14424350	84.19%	4.710%
5	8.433	8.337	8.492	BB	1601033	17132621	100.00%	5.594%
6	8.629	8.565	8.692	BV	961749	10161811	59.31%	3.318%
7	8.731	8.692	8.787	VB	1529455	16770157	97.88%	5.476%
8	9.513	9.462	9.584	BB	1487224	17097823	99.80%	5.583%
9	10.912	10.855	10.940	VV	1411009	16719563	97.59%	5.460%
10	10.988	10.940	11.035	VV	1372020	15597317	91.04%	5.093%
11	11.672	11.550	11.720	BB	1484995	16886298	98.56%	5.514%
12	12.727	12.681	12.779	VB	1249605	16159792	94.32%	5.277%
13	13.027	12.927	13.047	PV	1220695	16001661	93.40%	5.225%
14	14.895	14.810	14.912	BV	934119	14068121	82.11%	4.594%
15	14.944	14.912	14.994	VV	1106503	13989681	81.66%	4.568%
16	16.448	16.364	16.461	BV	793581	13370032	78.04%	4.366%
17	16.487	16.461	16.530	VB	996510	13123883	76.60%	4.285%
18	16.830	16.742	16.870	BV	821270	12545484	73.23%	4.097%
19	18.196	18.115	18.208	BV	688462	12244453	71.47%	3.998%
20	18.235	18.208	18.262	VV	836467	11810147	68.93%	3.856%
21	18.458	18.370	18.537	BB	738388	12528889	73.13%	4.091%
Sum of corrected areas:						306246543		

Aromatic EPH 040725.M Tue Apr 08 05:36:01 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD040725AR\
 Data File : FD049233.D
 Signal(s) : FID2B.ch
 Acq On : 07 Apr 2025 16:52
 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: Apr 08 05:15:26 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 040725.M
 Quant Title : GC Extractables
 QLast Update : Tue Apr 08 05:14:19 2025
 Response via : Initial Calibration
 Integrator: ChemStation

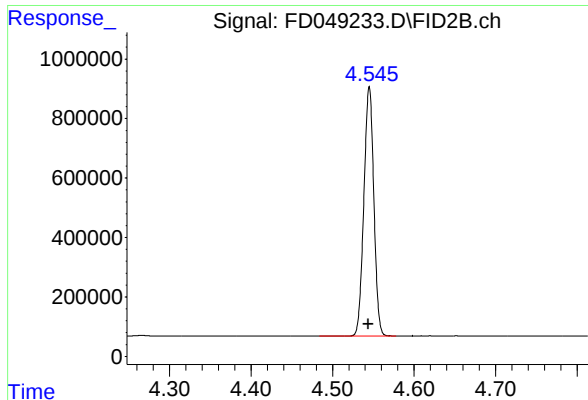
Volume Inj. : 1 µl
 Signal Phase : Rxi-1ms
 Signal Info : 20M x 0.18mm x 0.18µm

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.755	7153645	49.489 ug/ml
Spiked Amount 50.000		Recovery =	98.98%
6) S 2-Fluorobiphenyl (SURR)	8.623	4986867	49.744 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	99.49%
11) S ortho-Terphenyl (SURR)	11.666	8388521	48.291 ug/ml
Spiked Amount 50.000		Recovery =	96.58%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.545	7106531	48.619 ug/ml
2) T Naphthalene (C11.7)	6.092	7875710	49.392 ug/ml
3) T 2-Methylnaphthalene (...)	7.146	7825460	49.589 ug/ml
5) T Acenaphthylene (C15.06)	8.427	8498837	49.227 ug/ml
7) T Acenaphthene (C15.5)	8.724	8301504	49.257 ug/ml
8) T Fluorene (C16.55)	9.504	8435768	49.256 ug/ml
9) T Phenanthrene (C19.36)	10.904	8259539	48.459 ug/ml
10) T Anthracene (C19.43)	10.979	7670471	49.089 ug/ml
12) T Fluoranthene (C21.85)	12.719	8058283	47.653 ug/ml
13) T Pyrene (C20.8)	13.017	7987306	47.736 ug/ml
14) T Benzo[a]anthracene (C...	14.886	6986999	48.403 ug/ml
15) T Chrysene (C27.41)	14.932	6970327	48.122 ug/ml
16) T benzo[b]fluoranthene ...	16.437	6628872	47.687 ug/ml
17) T Bnezo[k]fluoranthene ...	16.473	6537274	47.672 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.818	6221734	47.913 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.182	5892319	48.344 ug/ml
20) T Dibenz[a,h]anthracene...	18.221	5993464	47.238 ug/ml
21) T Benzo[g,h,i]perylene ...	18.442	6185944	47.564 ug/ml

(f)=RT Delta > 1/2 Window

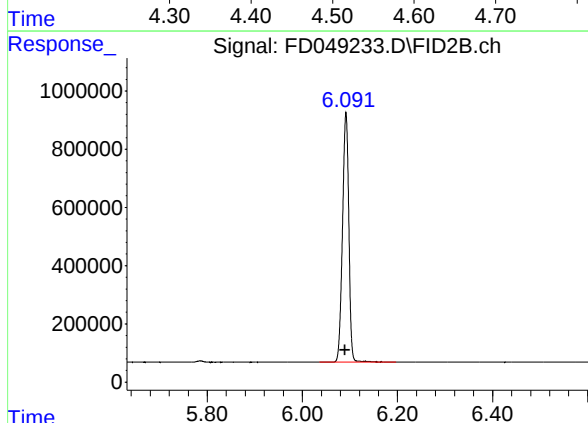
(m)=manual int.



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

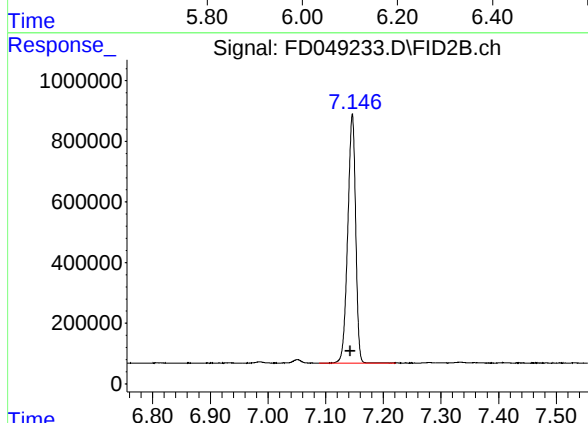
R.T.: 4.545 min
Delta R.T.: 0.001 min
Response: 7106531
Conc: 48.62 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2



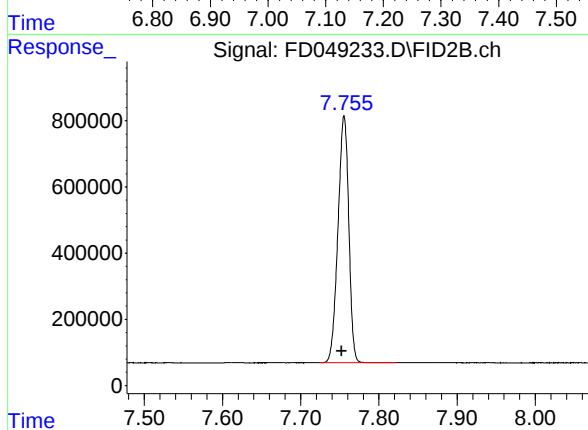
#2 Naphthalene (C11.7)

R.T.: 6.092 min
Delta R.T.: 0.002 min
Response: 7875710
Conc: 49.39 ug/ml



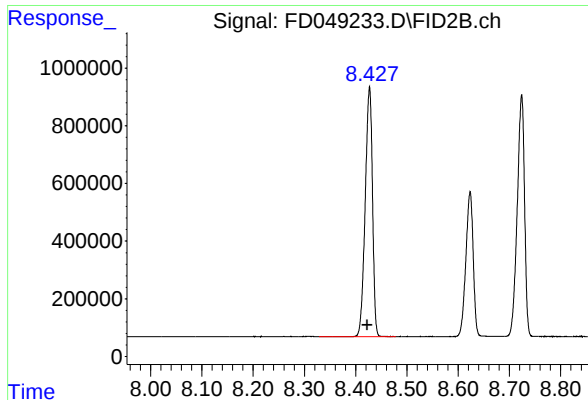
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.146 min
Delta R.T.: 0.003 min
Response: 7825460
Conc: 49.59 ug/ml



#4 2-Bromonaphthalene (SURR)

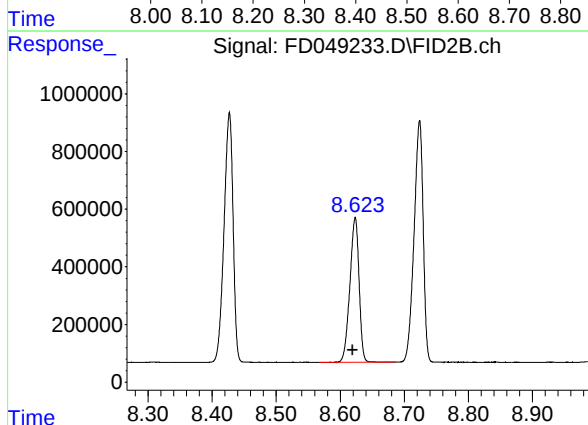
R.T.: 7.755 min
Delta R.T.: 0.003 min
Response: 7153645
Conc: 49.49 ug/ml



#5 Acenaphthylene (C15.06)

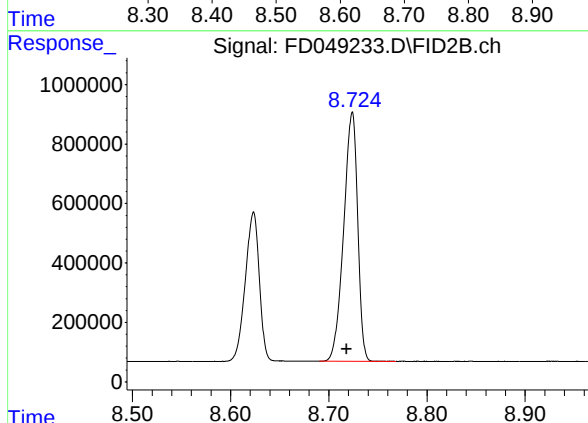
R.T.: 8.427 min
Delta R.T.: 0.004 min
Response: 8498837
Conc: 49.23 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2



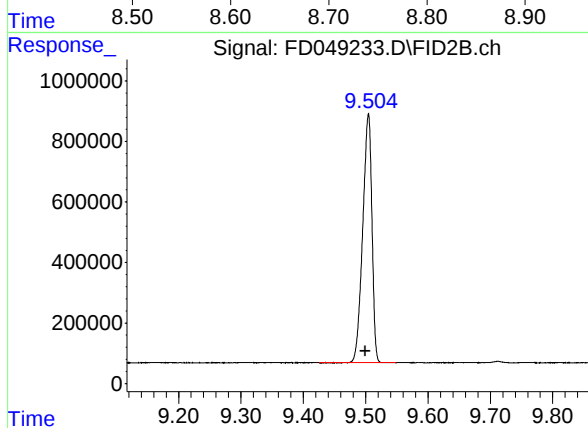
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.623 min
Delta R.T.: 0.004 min
Response: 4986867
Conc: 49.74 ug/ml



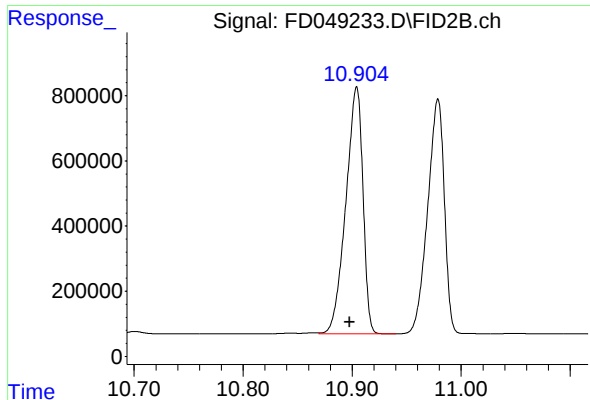
#7 Acenaphthene (C15.5)

R.T.: 8.724 min
Delta R.T.: 0.006 min
Response: 8301504
Conc: 49.26 ug/ml



#8 Fluorene (C16.55)

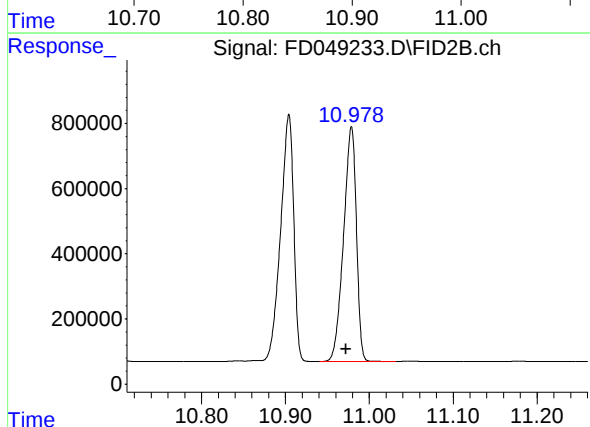
R.T.: 9.504 min
Delta R.T.: 0.005 min
Response: 8435768
Conc: 49.26 ug/ml



#9 Phenanthrene (C19.36)

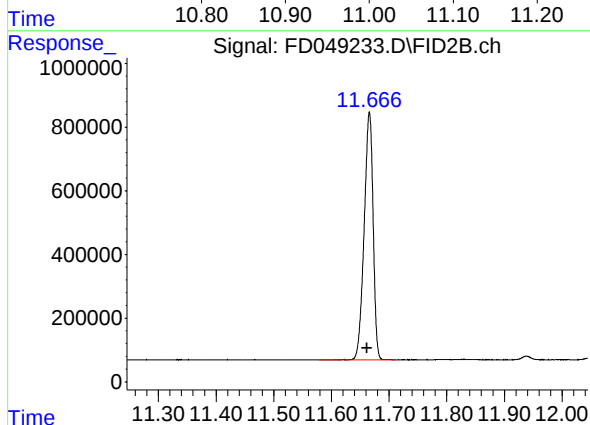
R.T.: 10.904 min
Delta R.T.: 0.006 min
Response: 8259539
Conc: 48.46 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2



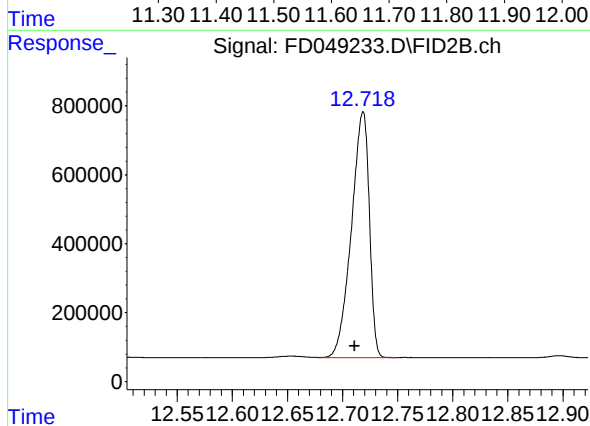
#10 Anthracene (C19.43)

R.T.: 10.979 min
Delta R.T.: 0.007 min
Response: 7670471
Conc: 49.09 ug/ml



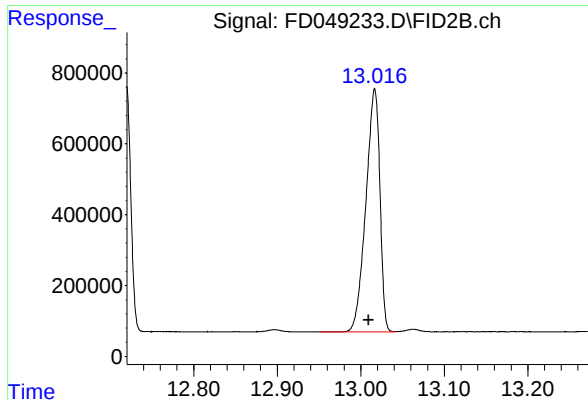
#11 ortho-Terphenyl (SURR)

R.T.: 11.666 min
Delta R.T.: 0.004 min
Response: 8388521
Conc: 48.29 ug/ml



#12 Fluoranthene (C21.85)

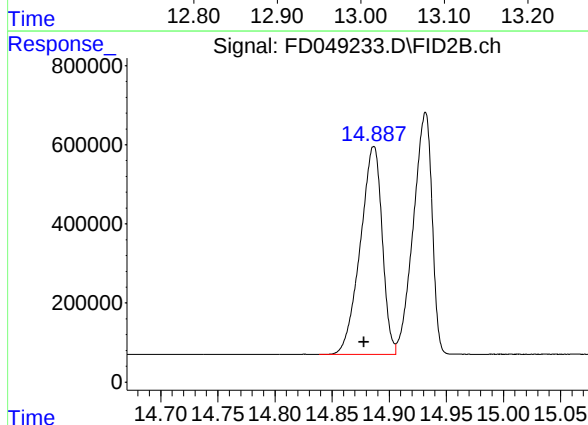
R.T.: 12.719 min
Delta R.T.: 0.008 min
Response: 8058283
Conc: 47.65 ug/ml



#13 Pyrene (C20.8)

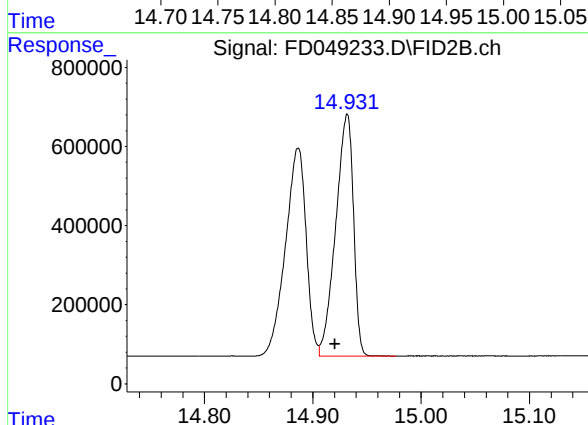
R.T.: 13.017 min
Delta R.T.: 0.007 min
Response: 7987306
Conc: 47.74 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2



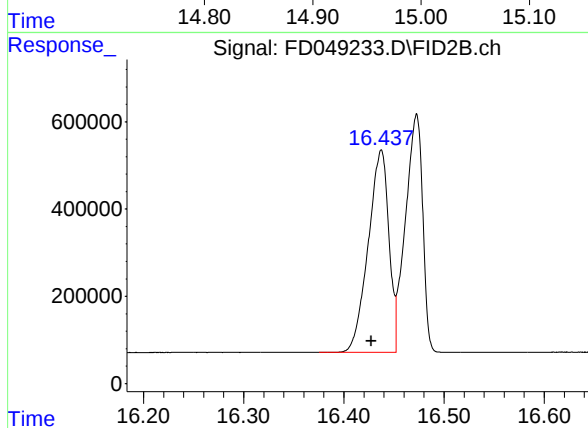
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.886 min
Delta R.T.: 0.009 min
Response: 6986999
Conc: 48.40 ug/ml



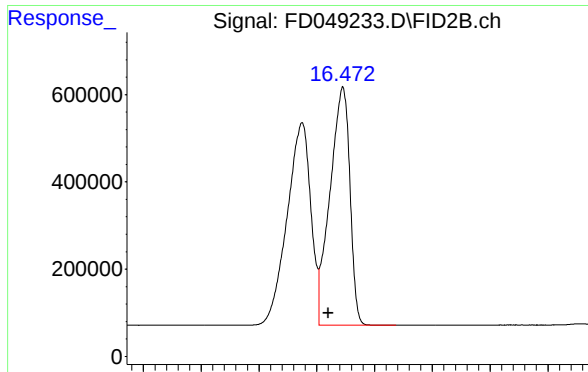
#15 Chrysene (C27.41)

R.T.: 14.932 min
Delta R.T.: 0.011 min
Response: 6970327
Conc: 48.12 ug/ml



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

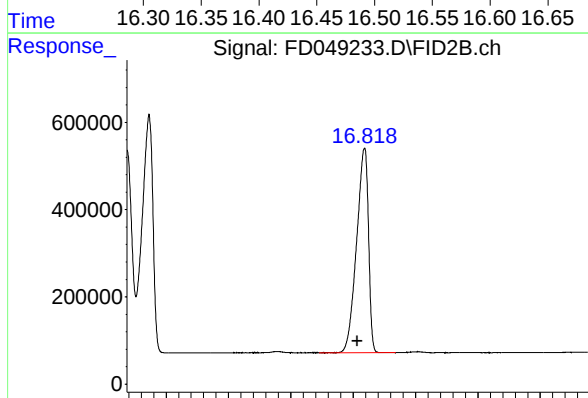
R.T.: 16.437 min
Delta R.T.: 0.010 min
Response: 6628872
Conc: 47.69 ug/ml



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

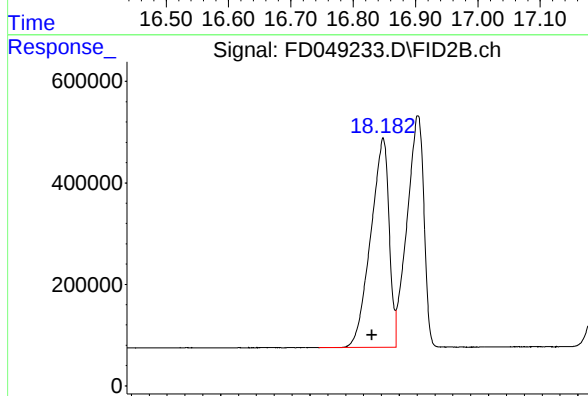
R.T.: 16.473 min
Delta R.T.: 0.013 min
Response: 6537274
Conc: 47.67 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2



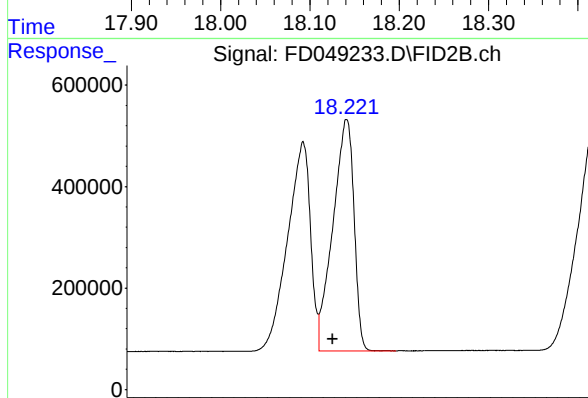
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.818 min
Delta R.T.: 0.012 min
Response: 6221734
Conc: 47.91 ug/ml



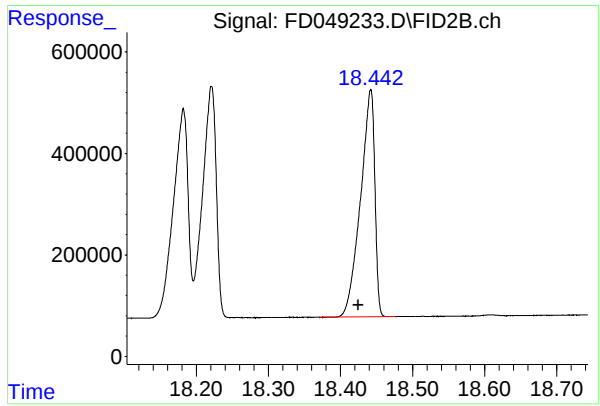
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.182 min
Delta R.T.: 0.013 min
Response: 5892319
Conc: 48.34 ug/ml



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

R.T.: 18.221 min
Delta R.T.: 0.013 min
Response: 5993464
Conc: 47.24 ug/ml



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

R.T.: 18.442 min
Delta R.T.: 0.017 min
Response: 6185944
Conc: 47.56 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD040725AR\
Data File : FD049233.D
Signal(s) : FID2B.ch
Acq On : 07 Apr 2025 16:52
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 040725.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	4.545	4.484	4.578	BV	839286	7106531	83.62%	4.676%
2	6.092	6.035	6.197	BB	857735	7875710	92.67%	5.183%
3	7.146	7.089	7.222	BB	822867	7825460	92.08%	5.150%
4	7.756	7.724	7.822	BV	746280	7153645	84.17%	4.707%
5	8.427	8.329	8.479	BV	866343	8498837	100.00%	5.593%
6	8.623	8.567	8.687	BB	502819	4986867	58.68%	3.282%
7	8.724	8.690	8.769	BV	837895	8301504	97.68%	5.463%
8	9.504	9.425	9.549	BV	825393	8435768	99.26%	5.551%
9	10.904	10.870	10.940	VV	756178	8259539	97.18%	5.435%
10	10.979	10.940	11.032	VV	721219	7670471	90.25%	5.048%
11	11.666	11.579	11.712	BB	776793	8388521	98.70%	5.520%
12	12.719	12.679	12.749	VV	713903	8058283	94.82%	5.303%
13	13.017	12.950	13.042	BV	687630	7987306	93.98%	5.256%
14	14.886	14.839	14.906	BV	526100	6986999	82.21%	4.598%
15	14.932	14.906	14.977	VB	613171	6970327	82.02%	4.587%
16	16.437	16.375	16.452	BV	464470	6628872	78.00%	4.362%
17	16.473	16.452	16.519	VB	544961	6537274	76.92%	4.302%
18	16.818	16.745	16.869	BB	469234	6221734	73.21%	4.094%
19	18.182	18.110	18.196	BV	412664	5892319	69.33%	3.877%
20	18.221	18.196	18.265	VV	457646	5993464	70.52%	3.944%
21	18.442	18.370	18.477	BV	448249	6185944	72.79%	4.071%
Sum of corrected areas:						151965375		

Aromatic EPH 040725.M Tue Apr 08 05:36:50 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD040725AR\
 Data File : FD049234.D
 Signal(s) : FID2B.ch
 Acq On : 07 Apr 2025 17:30
 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: Apr 08 05:15:47 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 040725.M
 Quant Title : GC Extractables
 QLast Update : Tue Apr 08 05:14:19 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.753	2891000	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
6) S 2-Fluorobiphenyl (SURR)	8.619	2004998	20.000 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	40.00%
11) S ortho-Terphenyl (SURR)	11.662	3474144	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.544	2923380	20.000 ug/ml
2) T Naphthalene (C11.7)	6.090	3189091	20.000 ug/ml
3) T 2-Methylnaphthalene (...)	7.143	3156099	20.000 ug/ml
5) T Acenaphthylene (C15.06)	8.423	3452933	20.000 ug/ml
7) T Acenaphthene (C15.5)	8.718	3370715	20.000 ug/ml
8) T Fluorene (C16.55)	9.499	3425296	20.000 ug/ml
9) T Phenanthrene (C19.36)	10.898	3408879	20.000 ug/ml
10) T Anthracene (C19.43)	10.972	3125127	20.000 ug/ml
12) T Fluoranthene (C21.85)	12.711	3382057	20.000 ug/ml
13) T Pyrene (C20.8)	13.009	3346439	20.000 ug/ml
14) T Benzo[a]anthracene (C...	14.878	2887039	20.000 ug/ml
15) T Chrysene (C27.41)	14.920	2896928	20.000 ug/ml
16) T benzo[b]fluoranthene ...	16.427	2780173	20.000 ug/ml
17) T Bnezo[k]fluoranthene ...	16.460	2742591	20.000 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.806	2597077	20.000 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.169	2437667	20.000 ug/ml
20) T Dibenz[a,h]anthracene...	18.209	2537576	20.000 ug/ml
21) T Benzo[g,h,i]perylene ...	18.425	2601112	20.000 ug/ml

(f)=RT Delta > 1/2 Window

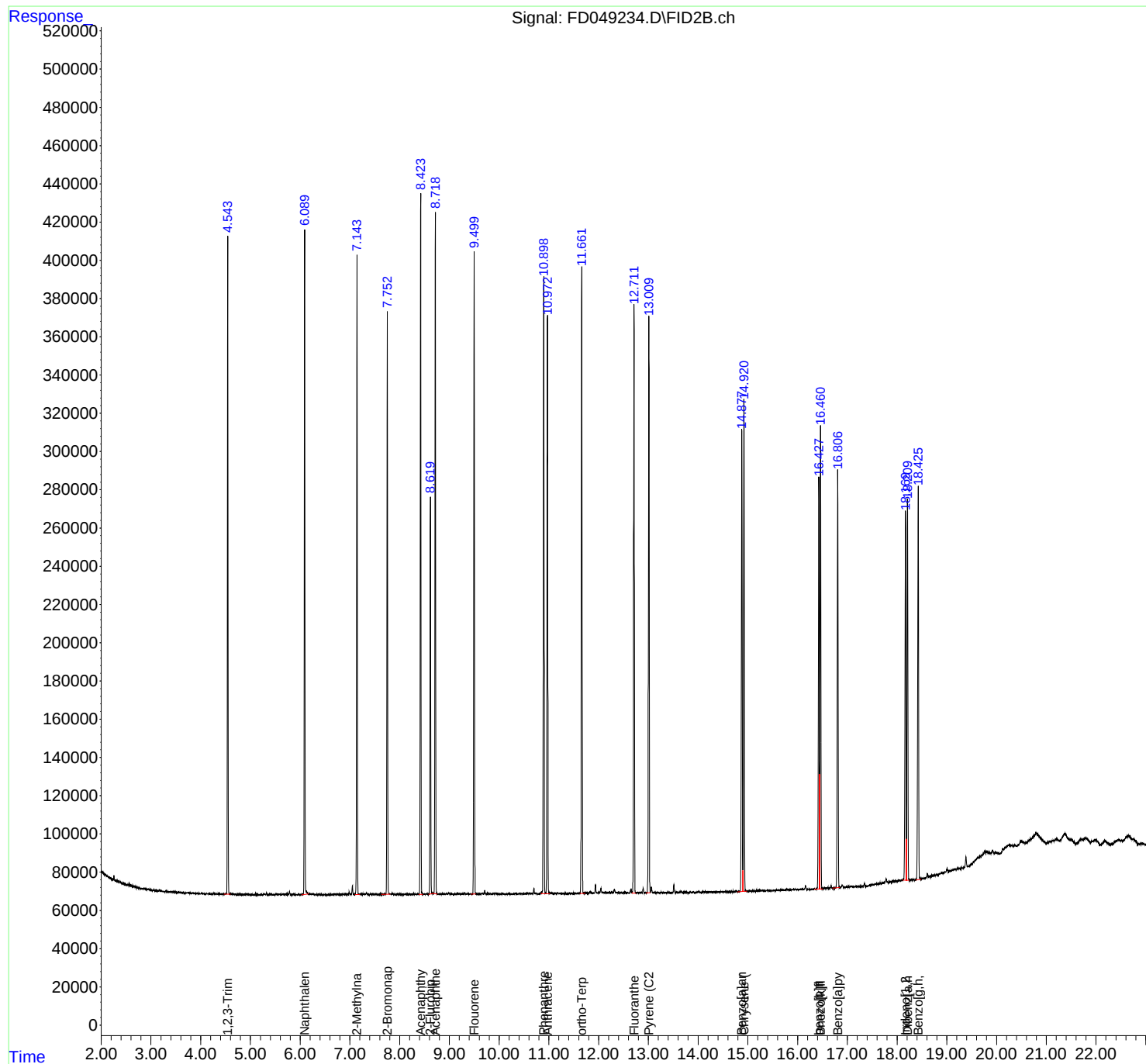
(m)=manual int.

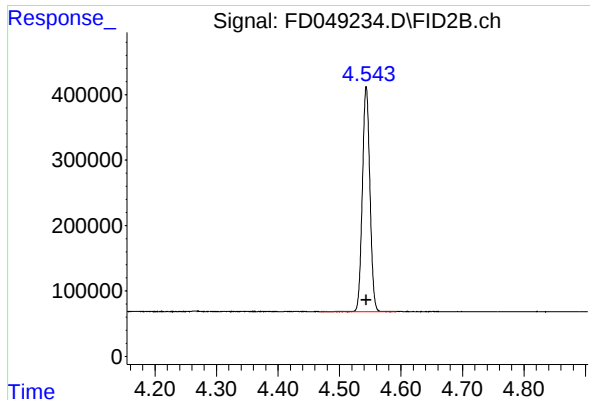
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD040725AR\
Data File : FD049234.D
Signal(s) : FID2B.ch
Acq On : 07 Apr 2025 17:30
Operator : YP/AJ
Sample : 20 PPM AROMATIC HC STD3
Misc :
ALS Vial : 63 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3

Integration File: autoint1.e
Quant Time: Apr 08 05:15:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 040725.M
Quant Title : GC Extractables
QLast Update : Tue Apr 08 05:14:19 2025
Response via : Initial Calibration
Integrator: ChemStation

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

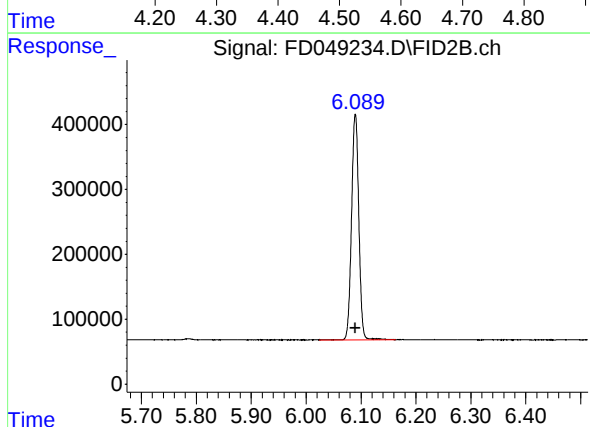




#1 1,2,3-Trimethylbenzene (C10.1)

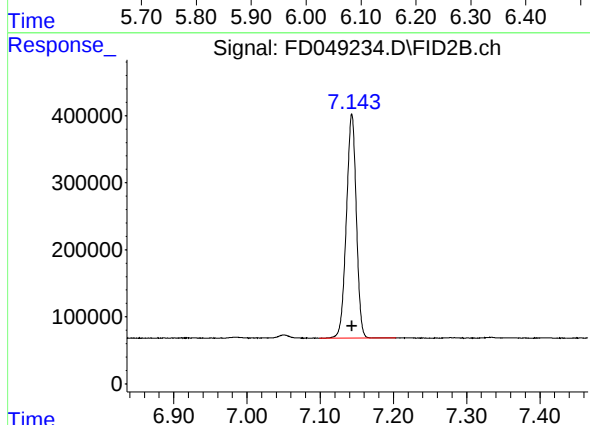
R.T.: 4.544 min
Delta R.T.: 0.000 min
Response: 2923380
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3



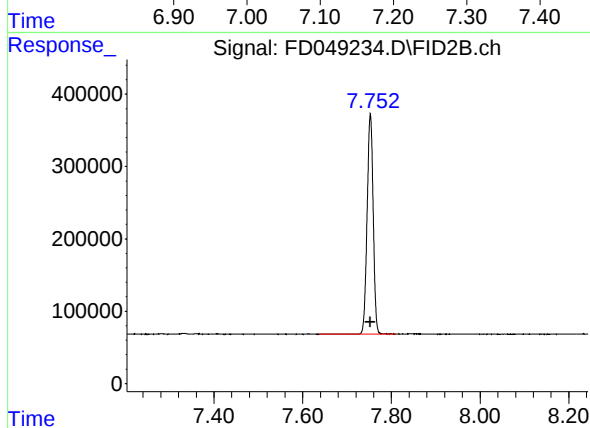
#2 Naphthalene (C11.7)

R.T.: 6.090 min
Delta R.T.: 0.000 min
Response: 3189091
Conc: 20.00 ug/ml



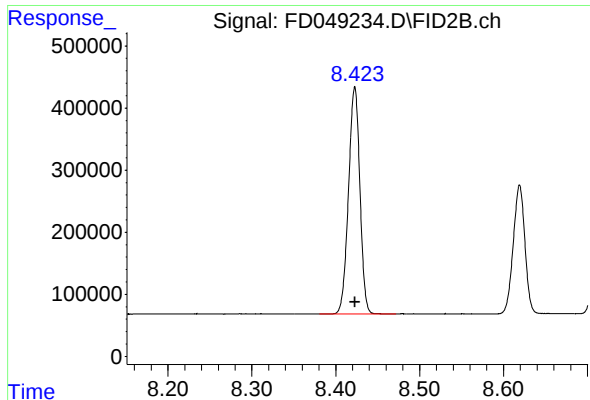
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.143 min
Delta R.T.: 0.000 min
Response: 3156099
Conc: 20.00 ug/ml



#4 2-Bromonaphthalene (SURR)

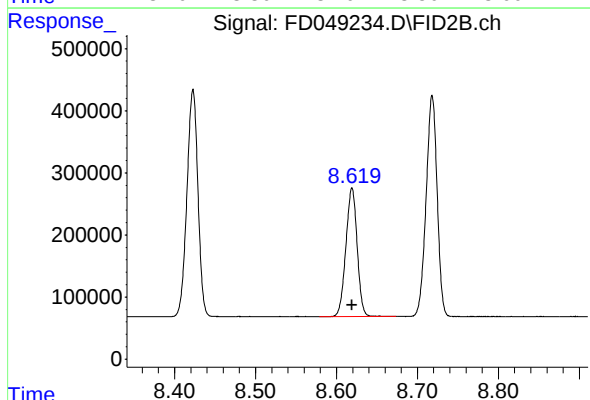
R.T.: 7.753 min
Delta R.T.: 0.000 min
Response: 2891000
Conc: 20.00 ug/ml



#5 Acenaphthylene (C15.06)

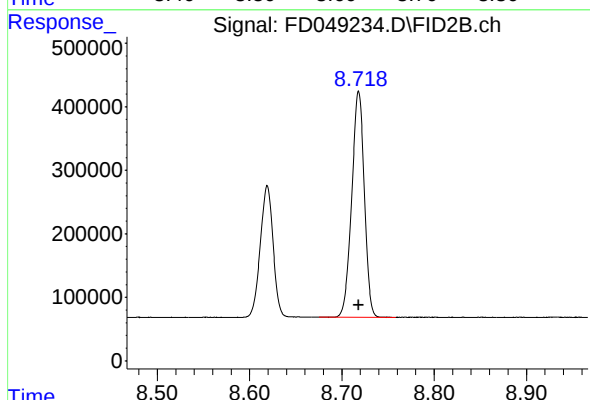
R.T.: 8.423 min
Delta R.T.: 0.000 min
Response: 3452933
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3



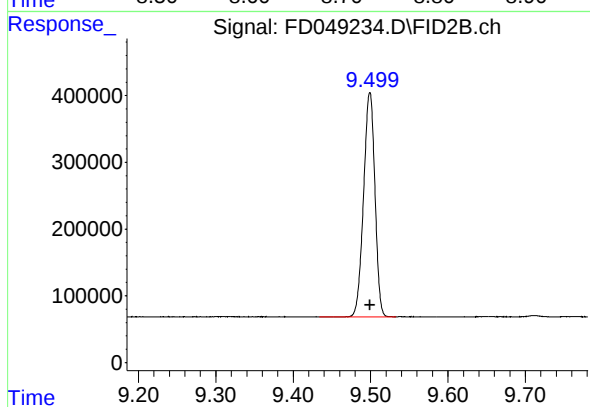
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.619 min
Delta R.T.: 0.000 min
Response: 2004998
Conc: 20.00 ug/ml



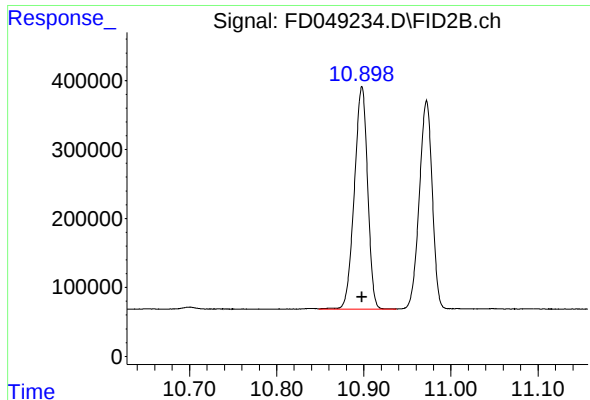
#7 Acenaphthene (C15.5)

R.T.: 8.718 min
Delta R.T.: 0.000 min
Response: 3370715
Conc: 20.00 ug/ml



#8 Fluorene (C16.55)

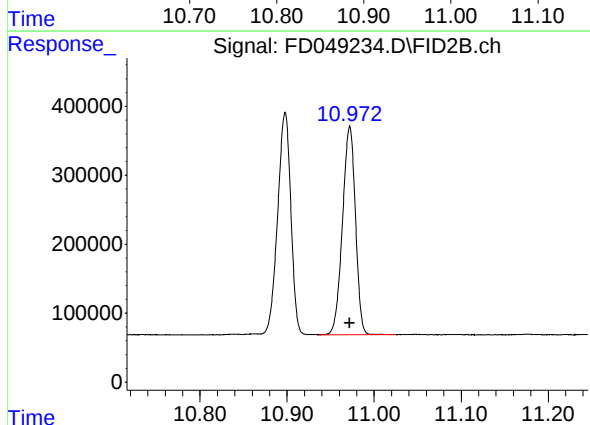
R.T.: 9.499 min
Delta R.T.: 0.000 min
Response: 3425296
Conc: 20.00 ug/ml



#9 Phenanthrene (C19.36)

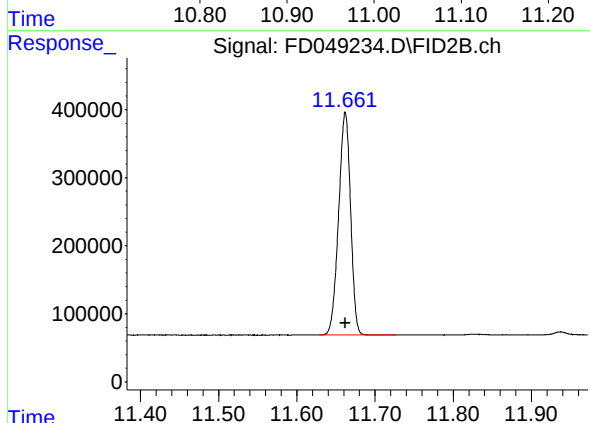
R.T.: 10.898 min
Delta R.T.: 0.000 min
Response: 3408879
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3



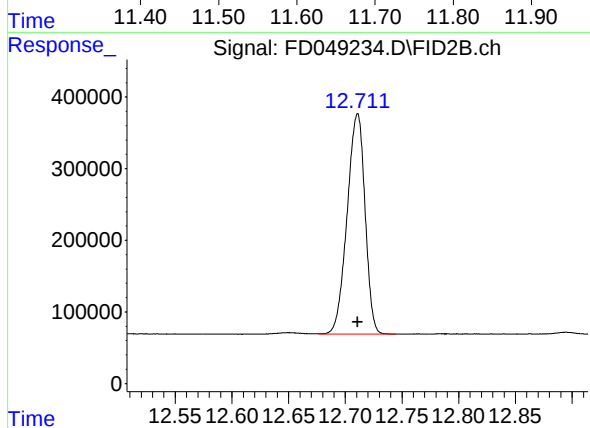
#10 Anthracene (C19.43)

R.T.: 10.972 min
Delta R.T.: 0.000 min
Response: 3125127
Conc: 20.00 ug/ml



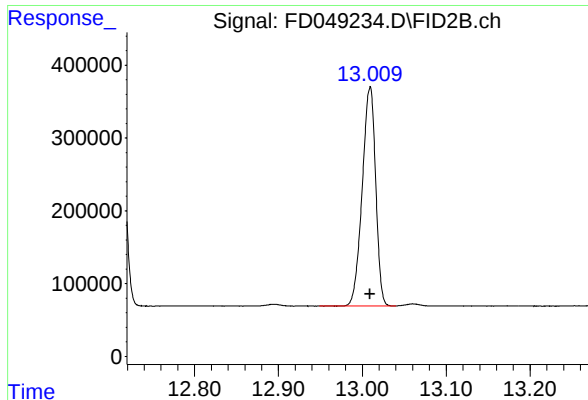
#11 ortho-Terphenyl (SURR)

R.T.: 11.662 min
Delta R.T.: 0.000 min
Response: 3474144
Conc: 20.00 ug/ml



#12 Fluoranthene (C21.85)

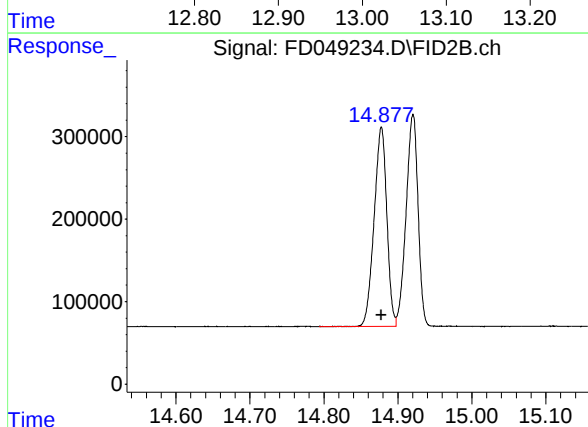
R.T.: 12.711 min
Delta R.T.: 0.000 min
Response: 3382057
Conc: 20.00 ug/ml



#13 Pyrene (C20.8)

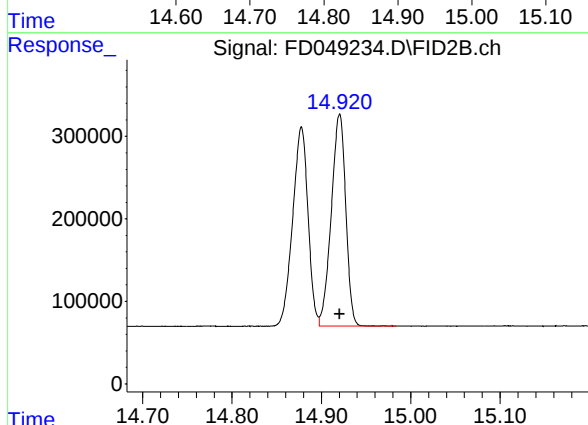
R.T.: 13.009 min
Delta R.T.: 0.000 min
Response: 3346439
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3



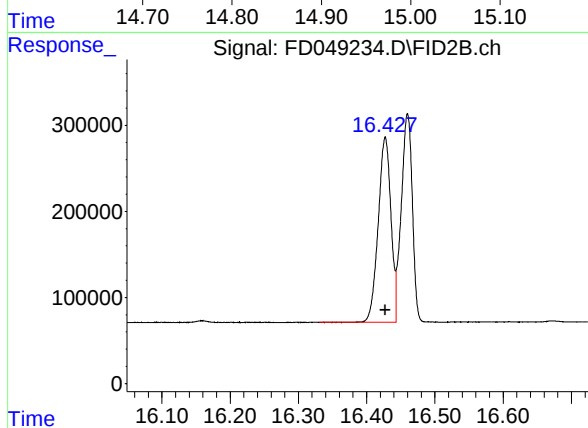
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.878 min
Delta R.T.: 0.000 min
Response: 2887039
Conc: 20.00 ug/ml



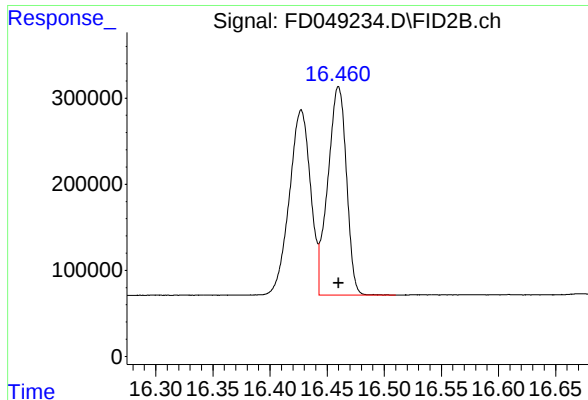
#15 Chrysene (C27.41)

R.T.: 14.920 min
Delta R.T.: 0.000 min
Response: 2896928
Conc: 20.00 ug/ml



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

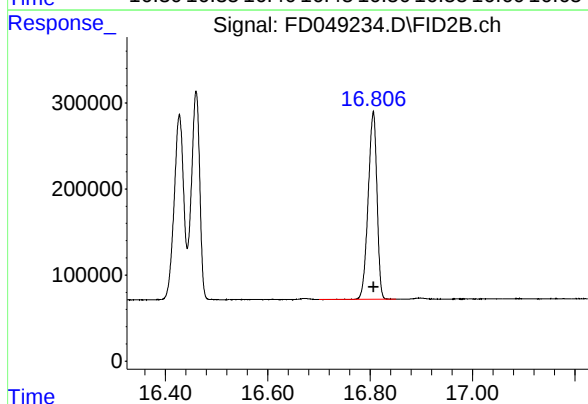
R.T.: 16.427 min
Delta R.T.: 0.000 min
Response: 2780173
Conc: 20.00 ug/ml



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

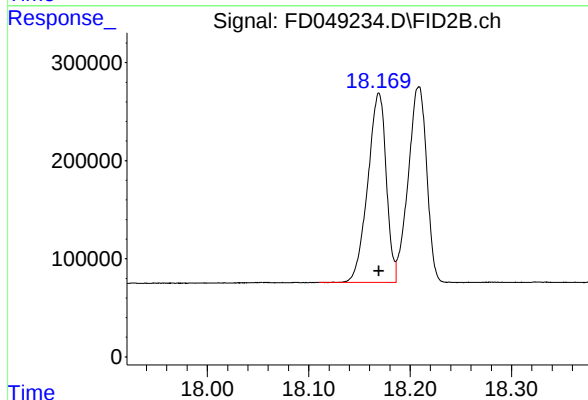
R.T.: 16.460 min
Delta R.T.: 0.000 min
Response: 2742591
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3



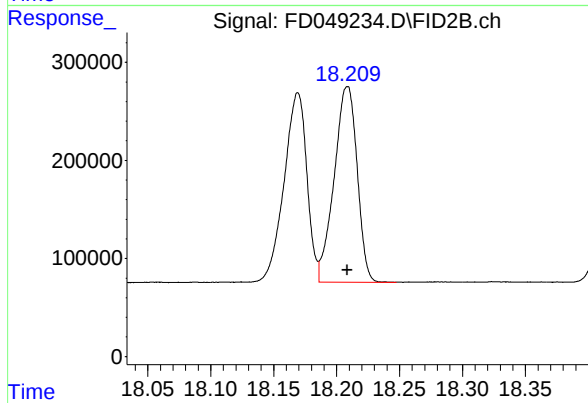
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.806 min
Delta R.T.: 0.000 min
Response: 2597077
Conc: 20.00 ug/ml



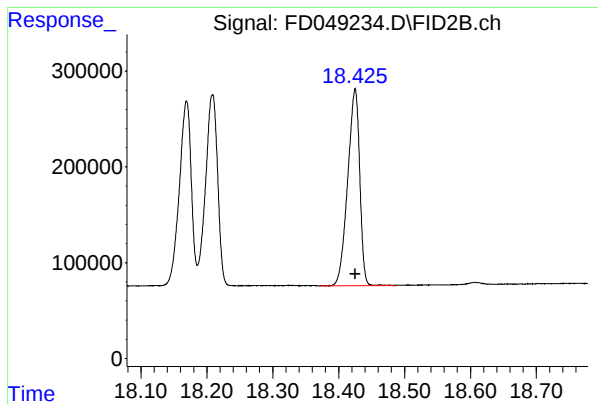
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.169 min
Delta R.T.: 0.000 min
Response: 2437667
Conc: 20.00 ug/ml



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

R.T.: 18.209 min
Delta R.T.: 0.000 min
Response: 2537576
Conc: 20.00 ug/ml



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

R.T.: 18.425 min
Delta R.T.: 0.000 min
Response: 2601112
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\FD040725AR\
Data File : FD049234.D
Signal(s) : FID2B.ch
Acq On : 07 Apr 2025 17:30
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 040725.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	4.544	4.467	4.592	BB	343918	2923380	84.15%	4.668%
2	6.090	6.024	6.164	BB	347744	3189091	91.80%	5.092%
3	7.143	7.099	7.204	BB	334264	3156099	90.85%	5.039%
4	7.753	7.637	7.810	BB	304577	2891000	83.21%	4.616%
5	8.423	8.380	8.472	BV	366558	3452933	99.39%	5.513%
6	8.619	8.579	8.674	BB	207662	2004998	57.71%	3.201%
7	8.718	8.675	8.758	BB	355515	3370715	97.02%	5.382%
8	9.499	9.434	9.533	BV	336179	3425296	98.59%	5.469%
9	10.898	10.849	10.937	VV	323252	3408879	98.12%	5.443%
10	10.972	10.937	11.025	VV	302072	3125127	89.95%	4.990%
11	11.662	11.629	11.727	BB	327880	3474144	100.00%	5.547%
12	12.711	12.677	12.745	VV	307294	3382057	97.35%	5.400%
13	13.009	12.949	13.040	BV	299736	3346439	96.32%	5.343%
14	14.878	14.794	14.897	BV	241736	2887039	83.10%	4.610%
15	14.920	14.897	14.984	VB	256830	2896928	83.39%	4.625%
16	16.427	16.330	16.443	BV	215025	2780173	80.02%	4.439%
17	16.460	16.443	16.510	VB	242272	2742591	78.94%	4.379%
18	16.806	16.700	16.850	BB	219103	2597077	74.75%	4.147%
19	18.169	18.110	18.186	BV	193430	2437667	70.17%	3.892%
20	18.209	18.186	18.247	VV	199530	2537576	73.04%	4.052%
21	18.425	18.370	18.487	BB	205887	2601112	74.87%	4.153%
Sum of corrected areas:							62630318	

Aromatic EPH 040725.M Tue Apr 08 05:37:31 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD040725AR\
 Data File : FD049235.D
 Signal(s) : FID2B.ch
 Acq On : 07 Apr 2025 18:08
 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: Apr 08 05:16:09 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 040725.M
 Quant Title : GC Extractables
 QLast Update : Tue Apr 08 05:14:19 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.752	1560147	10.793 ug/ml
Spiked Amount 50.000		Recovery =	21.59%
6) S 2-Fluorobiphenyl (SURR)	8.619	1061115	10.585 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	21.17%
11) S ortho-Terphenyl (SURR)	11.661	1864734	10.735 ug/ml
Spiked Amount 50.000		Recovery =	21.47%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.544	1610580	11.019 ug/ml
2) T Naphthalene (C11.7)	6.090	1739642	10.910 ug/ml
3) T 2-Methylnaphthalene (...)	7.143	1704852	10.804 ug/ml
5) T Acenaphthylene (C15.06)	8.422	1868459	10.822 ug/ml
7) T Acenaphthene (C15.5)	8.717	1816321	10.777 ug/ml
8) T Fluorene (C16.55)	9.498	1825557	10.659 ug/ml
9) T Phenanthrene (C19.36)	10.896	1804994	10.590 ug/ml
10) T Anthracene (C19.43)	10.971	1640438	10.498 ug/ml
12) T Fluoranthene (C21.85)	12.709	1801364	10.652 ug/ml
13) T Pyrene (C20.8)	13.007	1795399	10.730 ug/ml
14) T Benzo[a]anthracene (C...	14.875	1519209	10.524 ug/ml
15) T Chrysene (C27.41)	14.917	1529224	10.558 ug/ml
16) T benzo[b]fluoranthene ...	16.424	1472368	10.592 ug/ml
17) T Bnezo[k]fluoranthene ...	16.455	1451197	10.583 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.802	1379540	10.624 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.164	1290021	10.584 ug/ml
20) T Dibenz[a,h]anthracene...	18.204	1354099	10.672 ug/ml
21) T Benzo[g,h,i]perylene ...	18.419	1382478	10.630 ug/ml

(f)=RT Delta > 1/2 Window

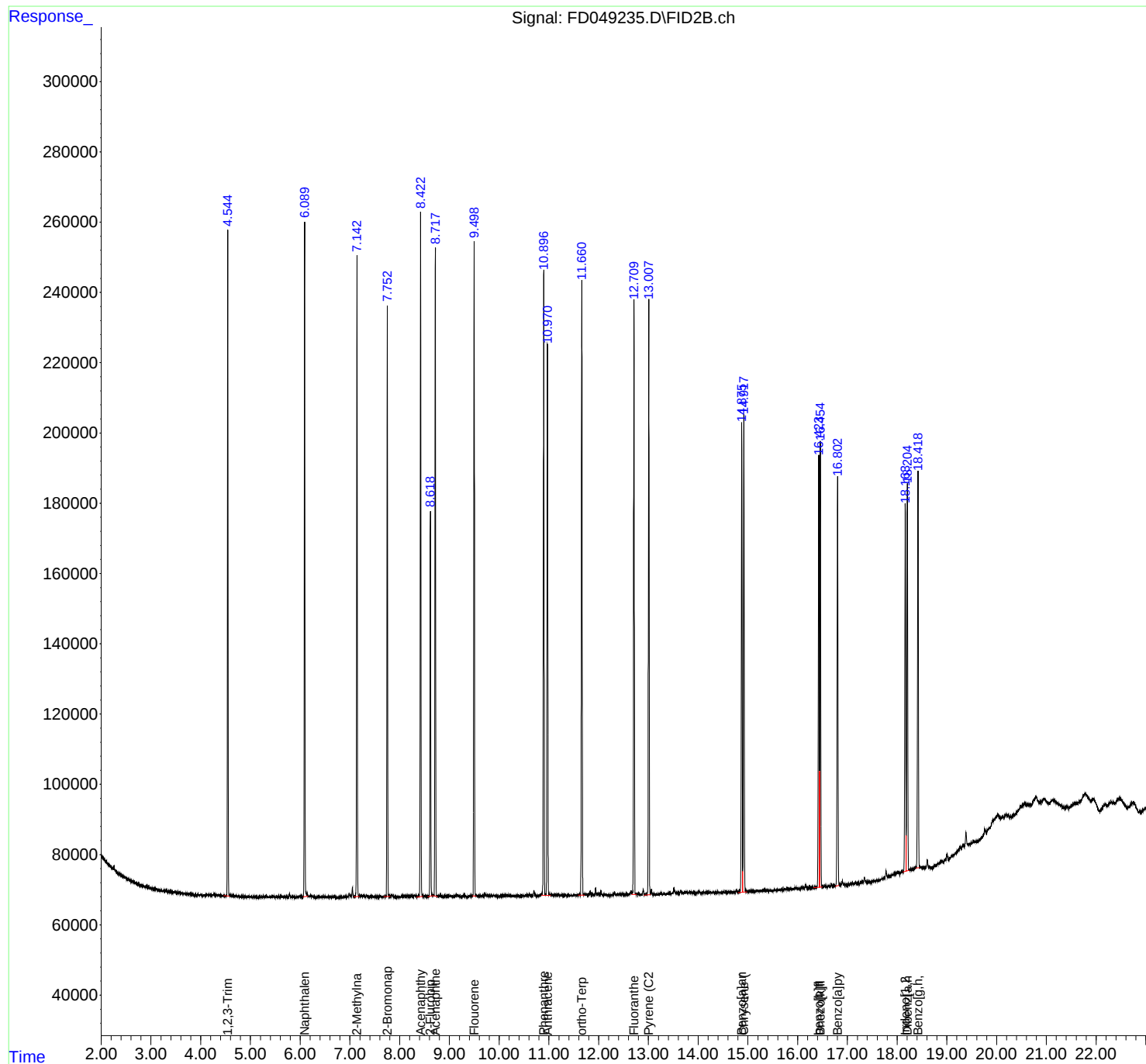
(m)=manual int.

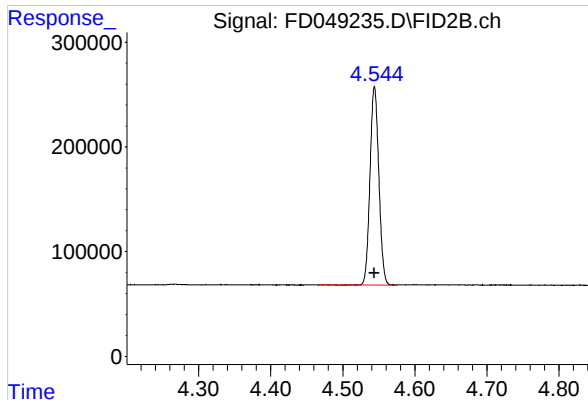
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD040725AR\
Data File : FD049235.D
Signal(s) : FID2B.ch
Acq On : 07 Apr 2025 18:08
Operator : YP/AJ
Sample : 10 PPM AROMATIC HC STD4
Misc :
ALS Vial : 64 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4

Integration File: autoint1.e
Quant Time: Apr 08 05:16:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 040725.M
Quant Title : GC Extractables
QLast Update : Tue Apr 08 05:14:19 2025
Response via : Initial Calibration
Integrator: ChemStation

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

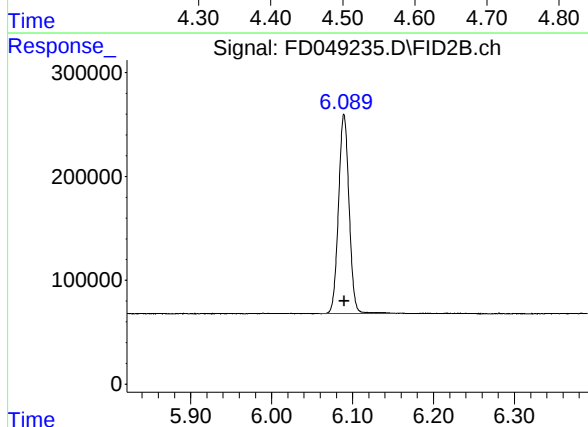




#1 1,2,3-Trimethylbenzene (C10.1)

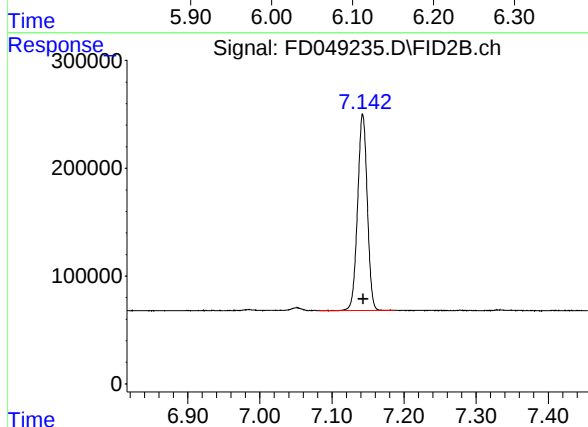
R.T.: 4.544 min
Delta R.T.: 0.000 min
Response: 1610580
Conc: 11.02 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4



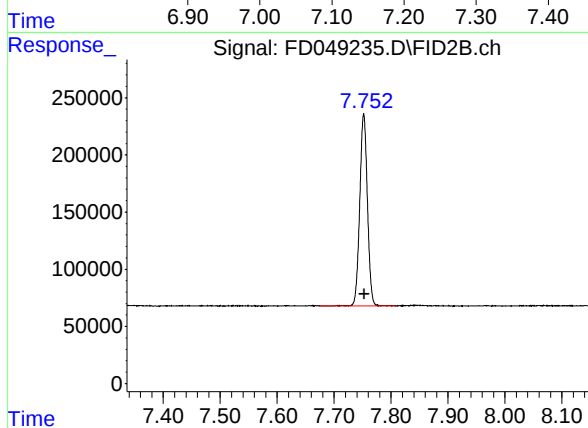
#2 Naphthalene (C11.7)

R.T.: 6.090 min
Delta R.T.: 0.000 min
Response: 1739642
Conc: 10.91 ug/ml



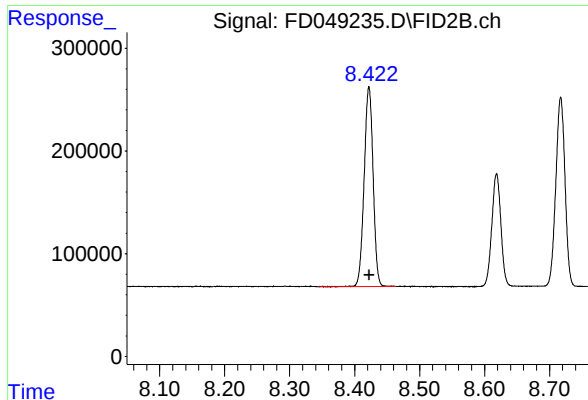
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.143 min
Delta R.T.: 0.000 min
Response: 1704852
Conc: 10.80 ug/ml



#4 2-Bromonaphthalene (SURR)

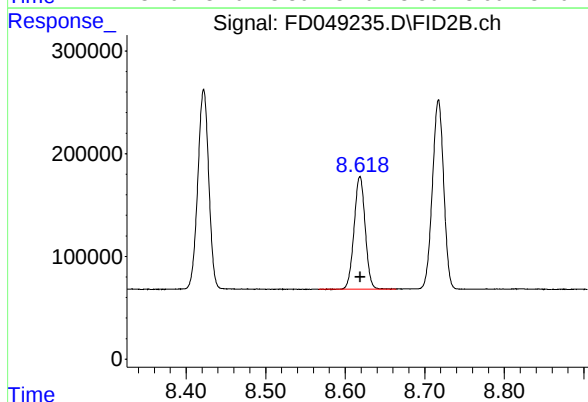
R.T.: 7.752 min
Delta R.T.: 0.000 min
Response: 1560147
Conc: 10.79 ug/ml



#5 Acenaphthylene (C15.06)

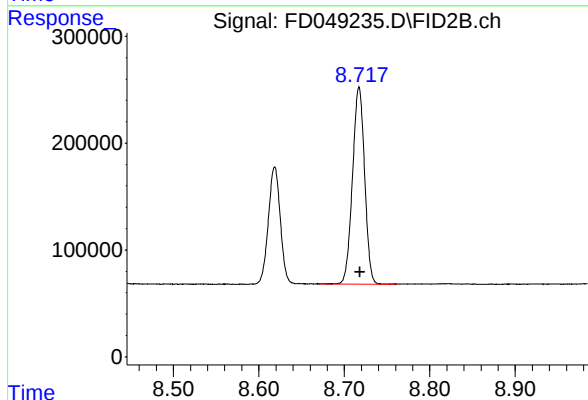
R.T.: 8.422 min
Delta R.T.: 0.000 min
Response: 1868459
Conc: 10.82 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4



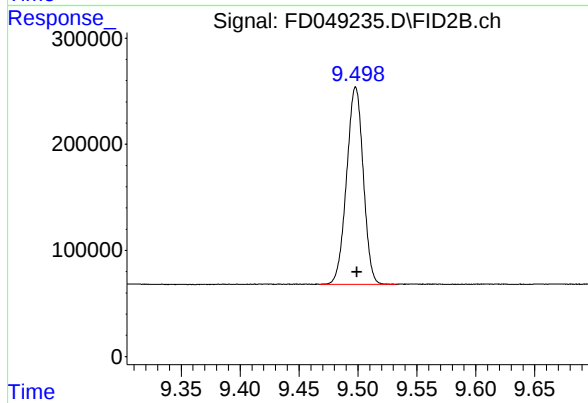
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.619 min
Delta R.T.: 0.000 min
Response: 1061115
Conc: 10.58 ug/ml



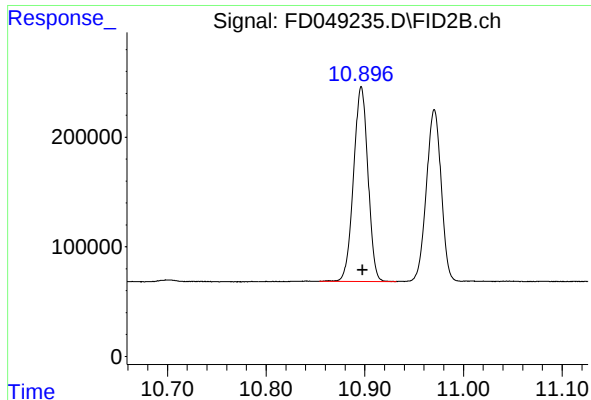
#7 Acenaphthene (C15.5)

R.T.: 8.717 min
Delta R.T.: -0.001 min
Response: 1816321
Conc: 10.78 ug/ml



#8 Flouorene (C16.55)

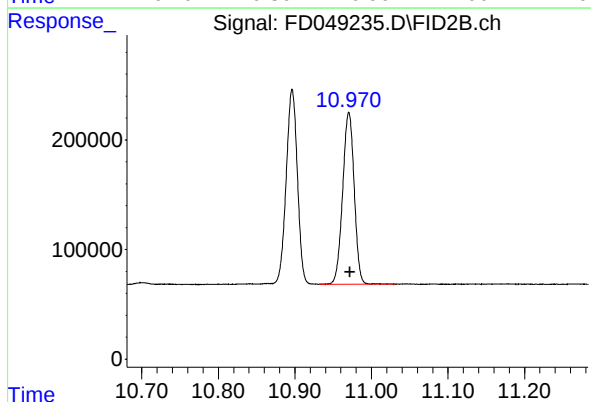
R.T.: 9.498 min
Delta R.T.: -0.001 min
Response: 1825557
Conc: 10.66 ug/ml



#9 Phenanthrene (C19.36)

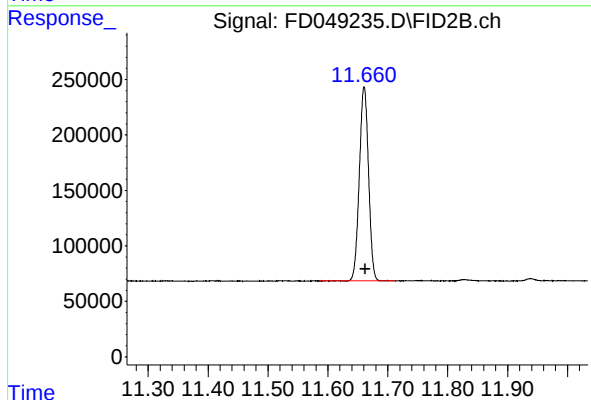
R.T.: 10.896 min
Delta R.T.: -0.001 min
Response: 1804994
Conc: 10.59 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4



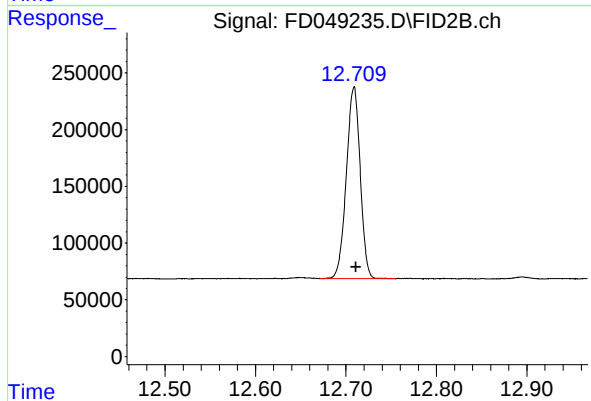
#10 Anthracene (C19.43)

R.T.: 10.971 min
Delta R.T.: -0.002 min
Response: 1640438
Conc: 10.50 ug/ml



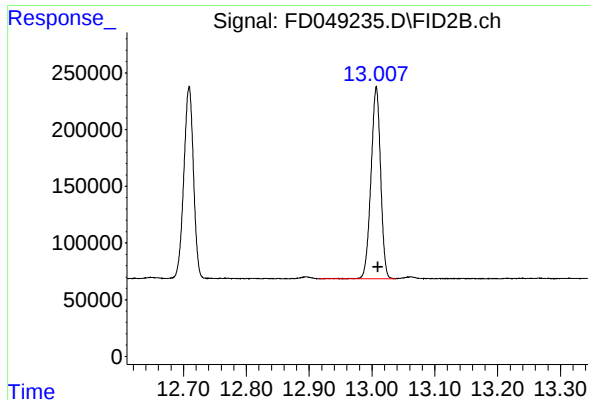
#11 ortho-Terphenyl (SURR)

R.T.: 11.661 min
Delta R.T.: -0.001 min
Response: 1864734
Conc: 10.73 ug/ml



#12 Fluoranthene (C21.85)

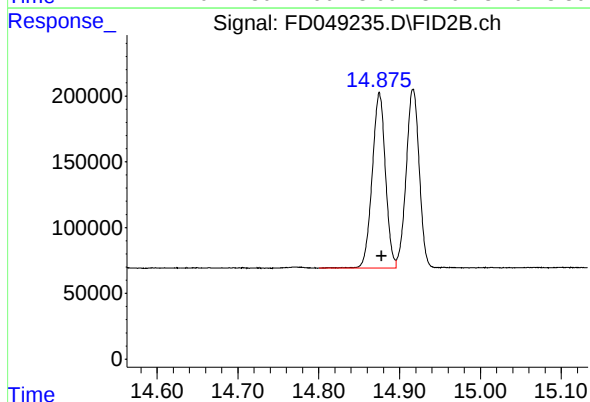
R.T.: 12.709 min
Delta R.T.: -0.002 min
Response: 1801364
Conc: 10.65 ug/ml



#13 Pyrene (C20.8)

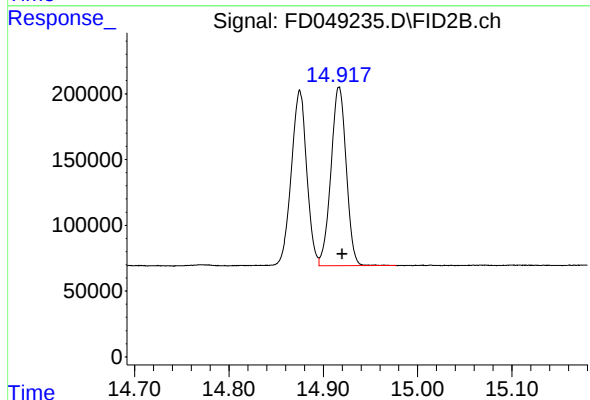
R.T.: 13.007 min
Delta R.T.: -0.002 min
Response: 1795399
Conc: 10.73 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4



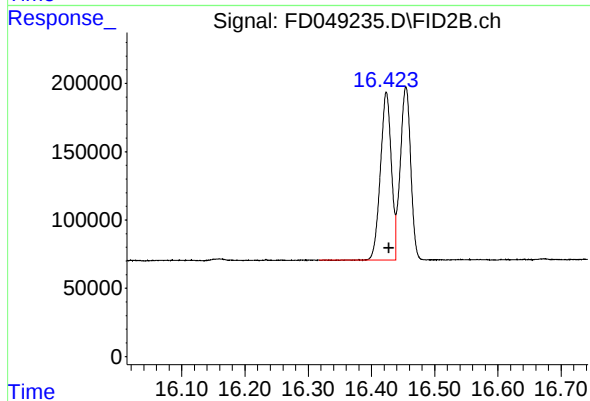
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.875 min
Delta R.T.: -0.003 min
Response: 1519209
Conc: 10.52 ug/ml



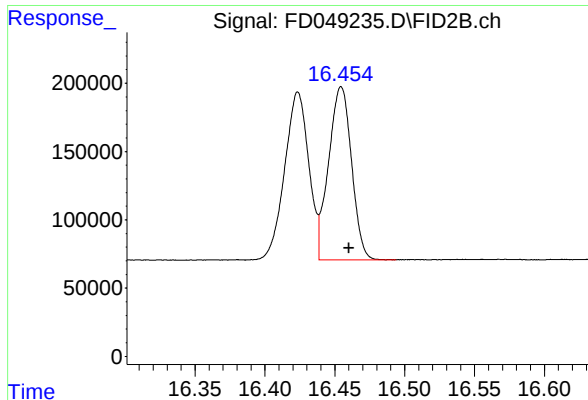
#15 Chrysene (C27.41)

R.T.: 14.917 min
Delta R.T.: -0.004 min
Response: 1529224
Conc: 10.56 ug/ml



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

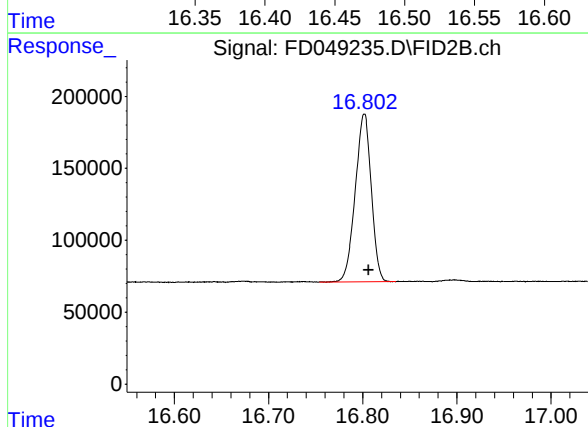
R.T.: 16.424 min
Delta R.T.: -0.004 min
Response: 1472368
Conc: 10.59 ug/ml



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

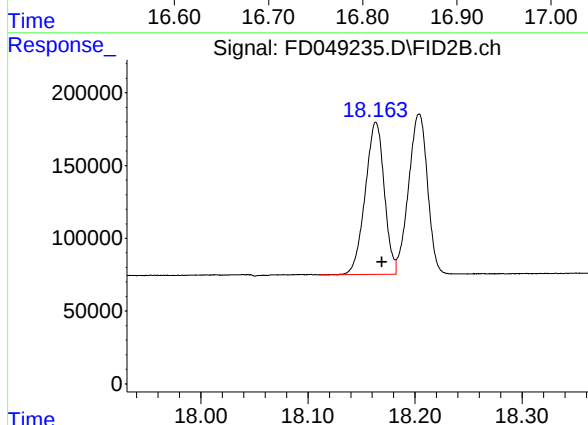
R.T.: 16.455 min
Delta R.T.: -0.005 min
Response: 1451197
Conc: 10.58 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4



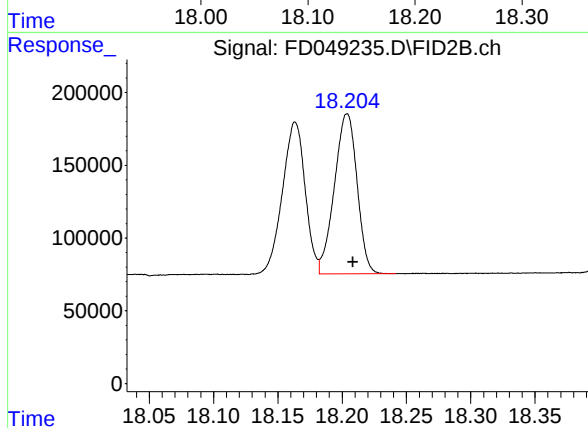
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.802 min
Delta R.T.: -0.005 min
Response: 1379540
Conc: 10.62 ug/ml



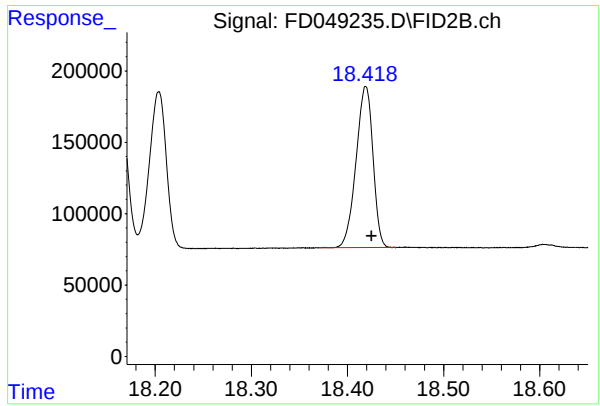
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.164 min
Delta R.T.: -0.006 min
Response: 1290021
Conc: 10.58 ug/ml



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

R.T.: 18.204 min
Delta R.T.: -0.005 min
Response: 1354099
Conc: 10.67 ug/ml



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

R.T.: 18.419 min
Delta R.T.: -0.006 min
Response: 1382478
Conc: 10.63 ug/ml

Instrument :

FID_D

ClientSampleId :

10 PPM AROMATIC HC STD4

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD040725AR\
 Data File : FD049235.D
 Signal(s) : FID2B.ch
 Acq On : 07 Apr 2025 18:08
 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 040725.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	4.544	4.467	4.574	BB	189460	1610580	86.20%	4.812%
2	6.090	6.059	6.154	BB	191801	1739642	93.11%	5.197%
3	7.143	7.082	7.189	BB	182556	1704852	91.24%	5.093%
4	7.752	7.674	7.809	BB	167810	1560147	83.50%	4.661%
5	8.422	8.345	8.464	BV	194793	1868459	100.00%	5.582%
6	8.619	8.567	8.664	BB	109558	1061115	56.79%	3.170%
7	8.717	8.670	8.760	BB	184230	1816321	97.21%	5.426%
8	9.498	9.467	9.532	BB	185831	1825557	97.70%	5.454%
9	10.896	10.854	10.932	BV	177792	1804994	96.60%	5.393%
10	10.971	10.932	11.032	PB	156942	1640438	87.80%	4.901%
11	11.661	11.585	11.714	BB	175059	1864734	99.80%	5.571%
12	12.709	12.670	12.755	VB	168627	1801364	96.41%	5.382%
13	13.007	12.916	13.038	PV	169197	1795399	96.09%	5.364%
14	14.875	14.800	14.895	BV	133236	1519209	81.31%	4.539%
15	14.917	14.895	14.977	VB	135931	1529224	81.84%	4.569%
16	16.424	16.317	16.439	BV	123010	1472368	78.80%	4.399%
17	16.455	16.439	16.494	VB	126805	1451197	77.67%	4.336%
18	16.802	16.754	16.835	BB	116811	1379540	73.83%	4.122%
19	18.164	18.110	18.182	BV	104553	1290021	69.04%	3.854%
20	18.204	18.182	18.242	VB	110059	1354099	72.47%	4.045%
21	18.419	18.370	18.450	BB	113190	1382478	73.99%	4.130%
Sum of corrected areas:							33471739	

Aromatic EPH 040725.M Tue Apr 08 05:37:46 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD040725AR\
 Data File : FD049236.D
 Signal(s) : FID2B.ch
 Acq On : 07 Apr 2025 18:45
 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: Apr 08 05:16:30 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 040725.M
 Quant Title : GC Extractables
 QLast Update : Tue Apr 08 05:14:19 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.752	763914	5.285 ug/ml
Spiked Amount 50.000		Recovery =	10.57%
6) S 2-Fluorobiphenyl (SURR)	8.618	511483	5.102 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	10.20%
11) S ortho-Terphenyl (SURR)	11.659	920516	5.299 ug/ml
Spiked Amount 50.000		Recovery =	10.60%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.544	793235	5.427 ug/ml
2) T Naphthalene (C11.7)	6.090	852929	5.349 ug/ml
3) T 2-Methylnaphthalene (...)	7.143	831034	5.266 ug/ml
5) T Acenaphthylene (C15.06)	8.421	911997	5.282 ug/ml
7) T Acenaphthene (C15.5)	8.716	887643	5.267 ug/ml
8) T Fluorene (C16.55)	9.496	891946	5.208 ug/ml
9) T Phenanthrene (C19.36)	10.895	873665	5.126 ug/ml
10) T Anthracene (C19.43)	10.969	778991	4.985 ug/ml
12) T Fluoranthene (C21.85)	12.707	865711	5.119 ug/ml
13) T Pyrene (C20.8)	13.005	859789	5.139 ug/ml
14) T Benzo[a]anthracene (C...	14.873	710154	4.920 ug/ml
15) T Chrysene (C27.41)	14.915	721985	4.984 ug/ml
16) T benzo[b]fluoranthene ...	16.422	715436	5.147 ug/ml
17) T Bnezo[k]fluoranthene ...	16.454	700785	5.110 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.800	662389	5.101 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.162	626021	5.136 ug/ml
20) T Dibenz[a,h]anthracene...	18.202	660163	5.203 ug/ml
21) T Benzo[g,h,i]perylene ...	18.416	677175	5.207 ug/ml

(f)=RT Delta > 1/2 Window

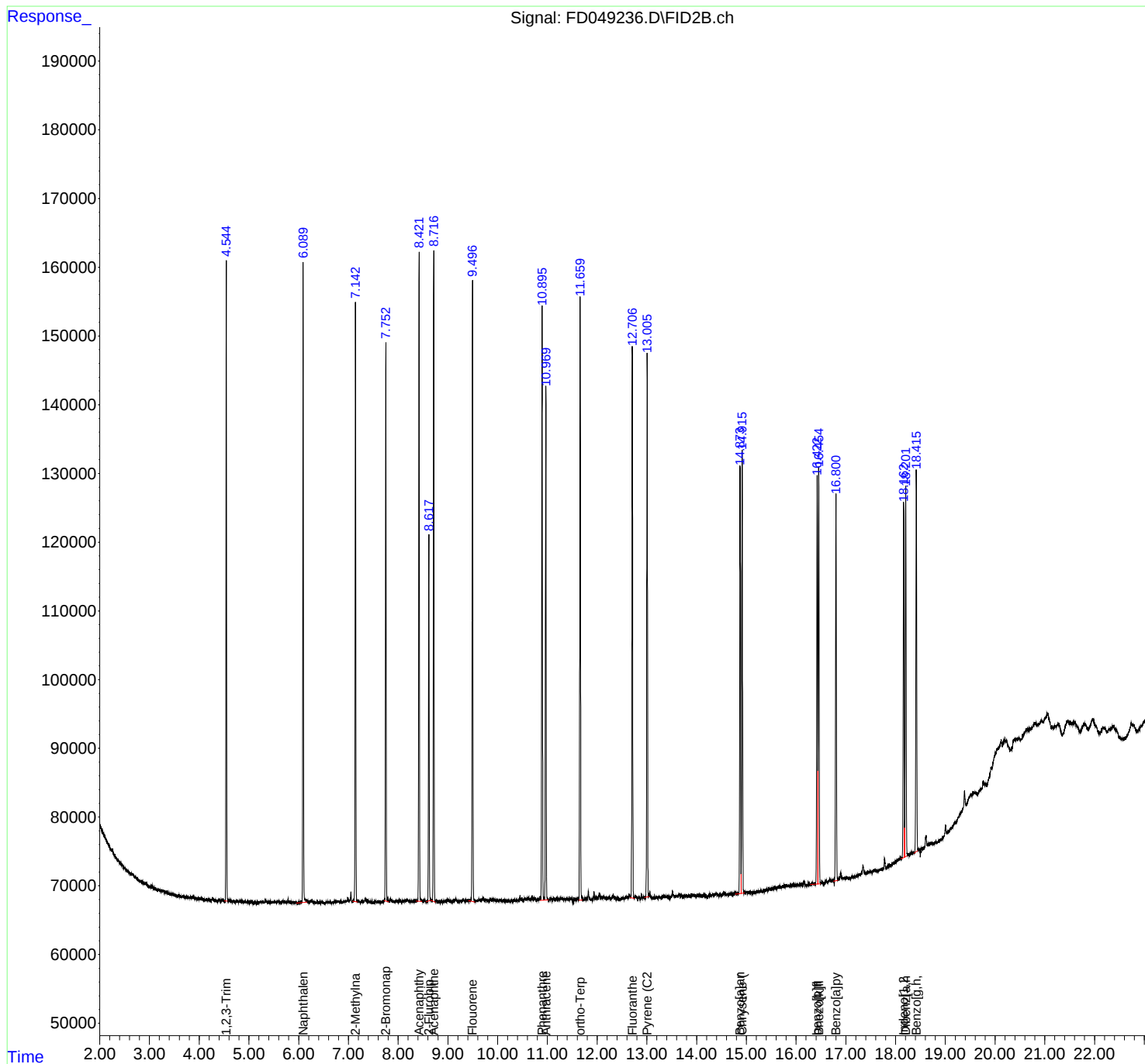
(m)=manual int.

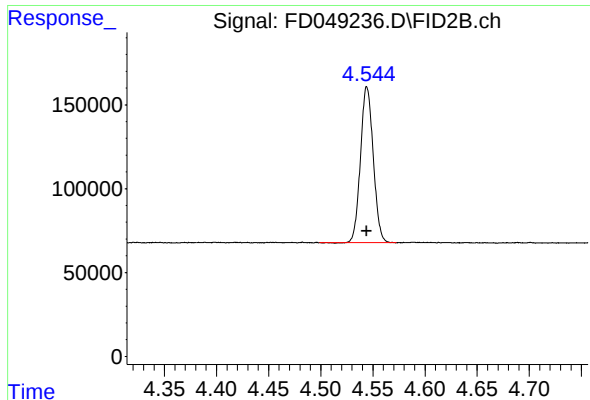
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD040725AR\
Data File : FD049236.D
Signal(s) : FID2B.ch
Acq On : 07 Apr 2025 18:45
Operator : YP/AJ
Sample : 5 PPM AROMATIC HC STD5
Misc :
ALS Vial : 65 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5

Integration File: autoint1.e
Quant Time: Apr 08 05:16:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 040725.M
Quant Title : GC Extractables
QLast Update : Tue Apr 08 05:14:19 2025
Response via : Initial Calibration
Integrator: ChemStation

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

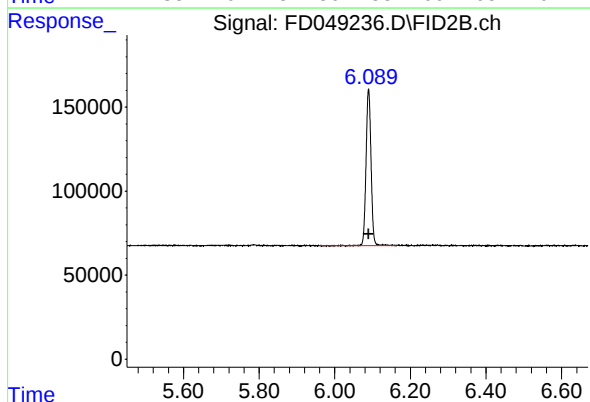




#1 1,2,3-Trimethylbenzene (C10.1)

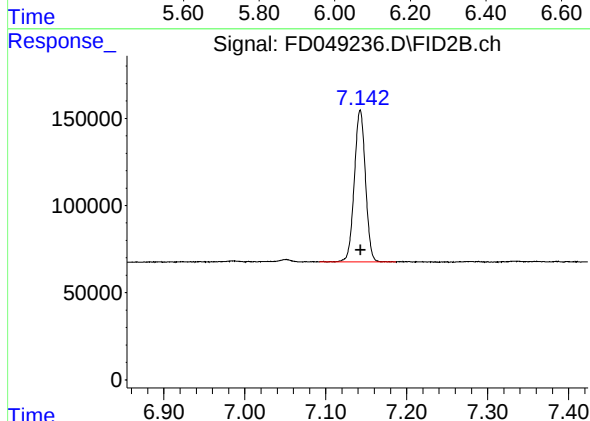
R.T.: 4.544 min
Delta R.T.: 0.000 min
Response: 793235
Conc: 5.43 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5



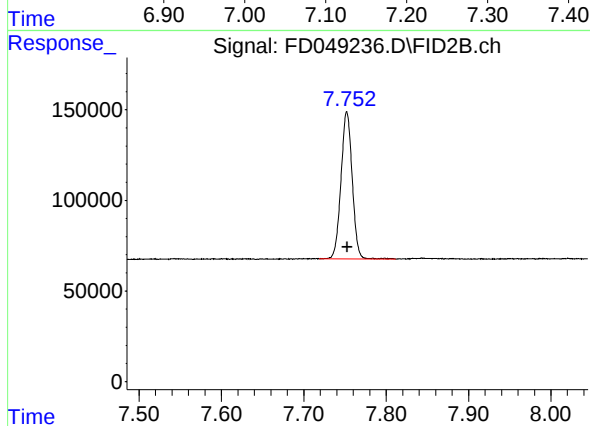
#2 Naphthalene (C11.7)

R.T.: 6.090 min
Delta R.T.: 0.000 min
Response: 852929
Conc: 5.35 ug/ml



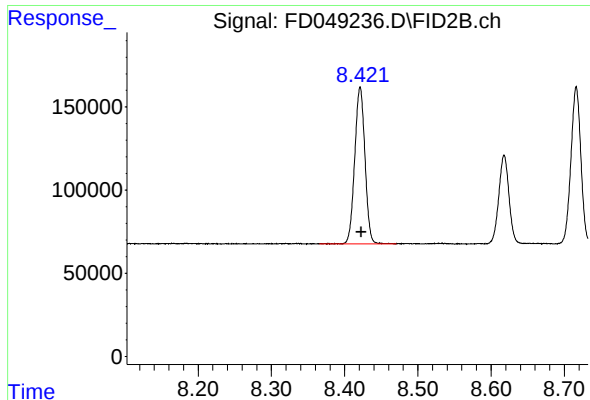
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.143 min
Delta R.T.: 0.000 min
Response: 831034
Conc: 5.27 ug/ml



#4 2-Bromonaphthalene (SURR)

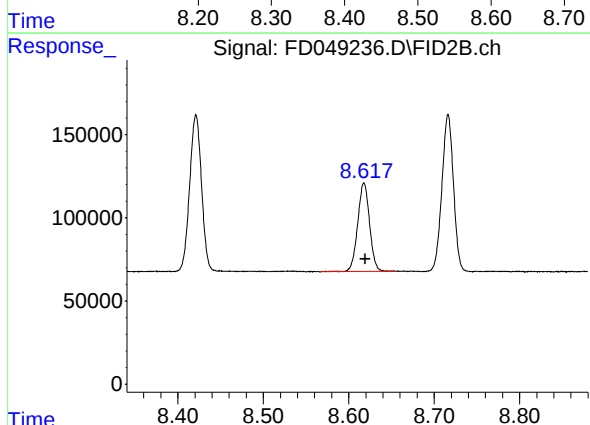
R.T.: 7.752 min
Delta R.T.: 0.000 min
Response: 763914
Conc: 5.28 ug/ml



#5 Acenaphthylene (C15.06)

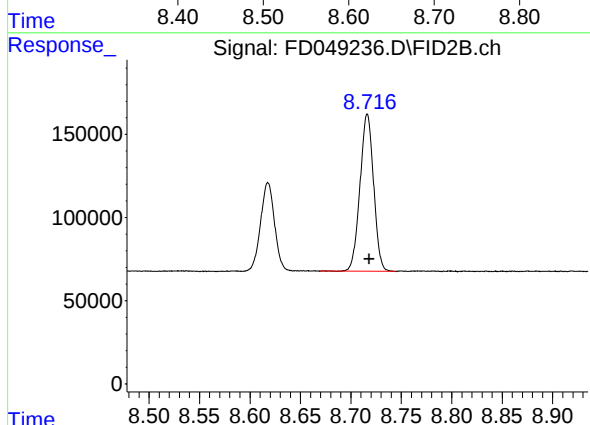
R.T.: 8.421 min
Delta R.T.: -0.002 min
Response: 911997
Conc: 5.28 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5



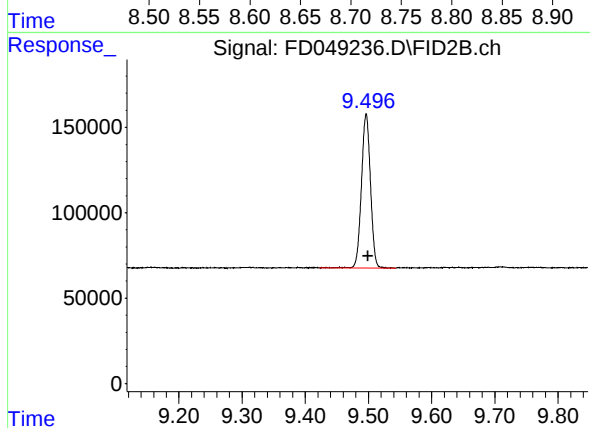
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.618 min
Delta R.T.: -0.001 min
Response: 511483
Conc: 5.10 ug/ml



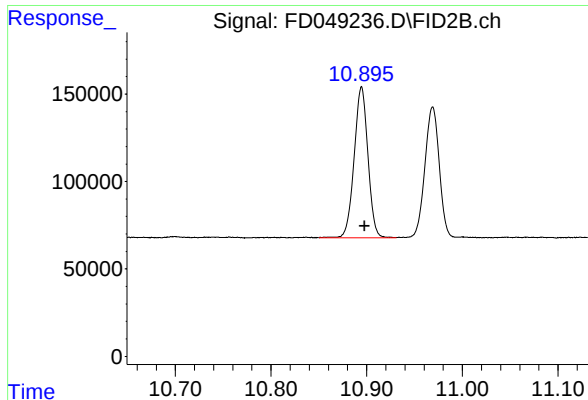
#7 Acenaphthene (C15.5)

R.T.: 8.716 min
Delta R.T.: -0.002 min
Response: 887643
Conc: 5.27 ug/ml



#8 Flouorene (C16.55)

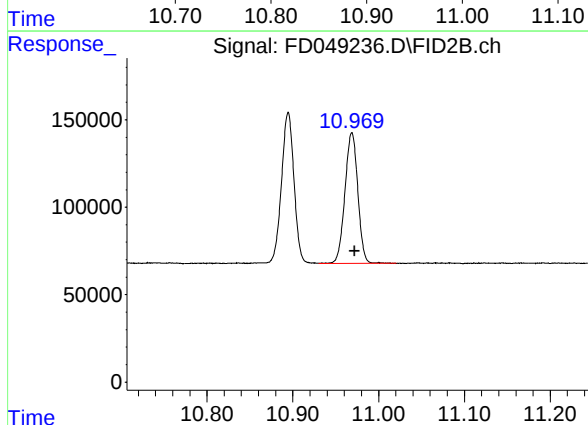
R.T.: 9.496 min
Delta R.T.: -0.003 min
Response: 891946
Conc: 5.21 ug/ml



#9 Phenanthrene (C19.36)

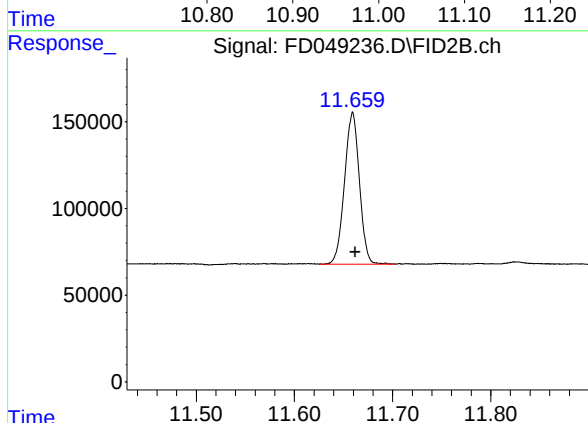
R.T.: 10.895 min
Delta R.T.: -0.003 min
Response: 873665
Conc: 5.13 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5



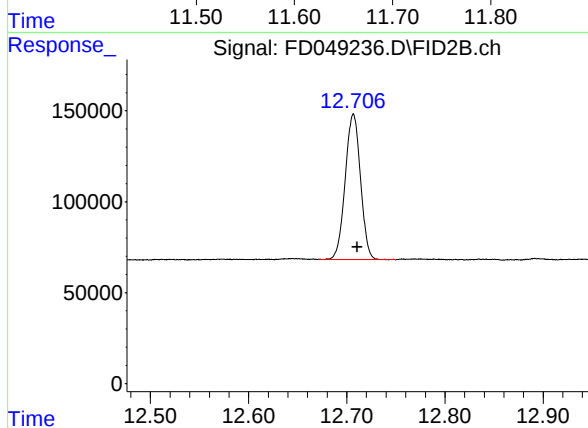
#10 Anthracene (C19.43)

R.T.: 10.969 min
Delta R.T.: -0.003 min
Response: 778991
Conc: 4.99 ug/ml



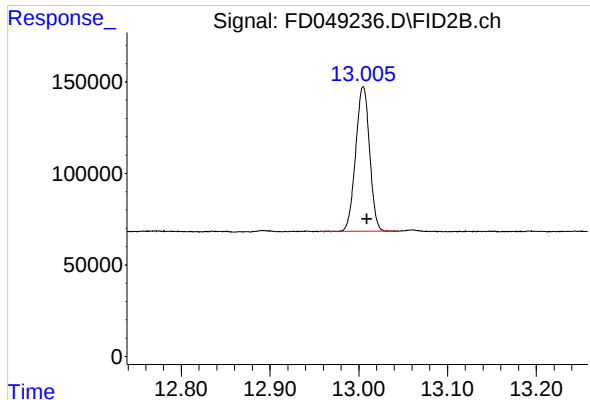
#11 ortho-Terphenyl (SURR)

R.T.: 11.659 min
Delta R.T.: -0.003 min
Response: 920516
Conc: 5.30 ug/ml



#12 Fluoranthene (C21.85)

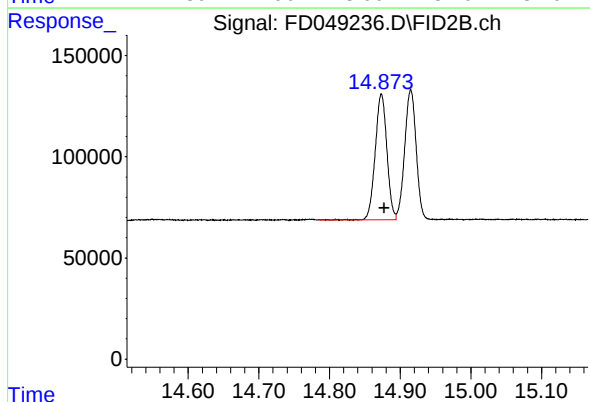
R.T.: 12.707 min
Delta R.T.: -0.004 min
Response: 865711
Conc: 5.12 ug/ml



#13 Pyrene (C20.8)

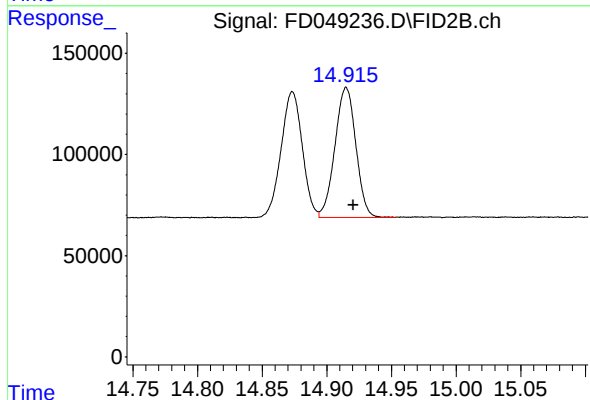
R.T.: 13.005 min
Delta R.T.: -0.004 min
Response: 859789
Conc: 5.14 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5



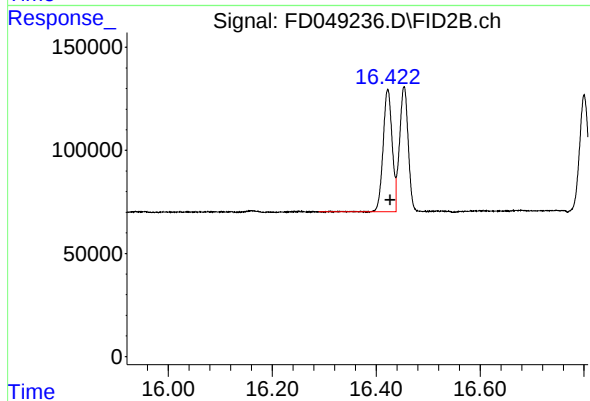
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.873 min
Delta R.T.: -0.004 min
Response: 710154
Conc: 4.92 ug/ml



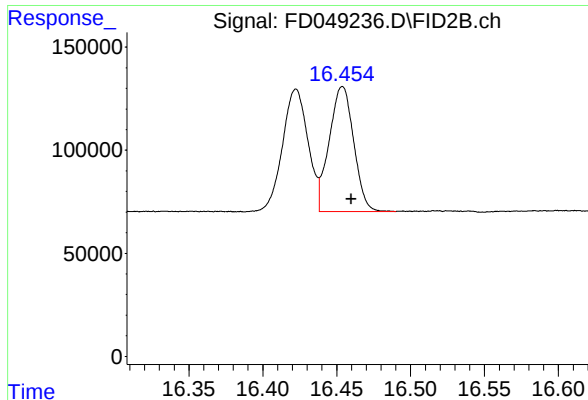
#15 Chrysene (C27.41)

R.T.: 14.915 min
Delta R.T.: -0.005 min
Response: 721985
Conc: 4.98 ug/ml



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

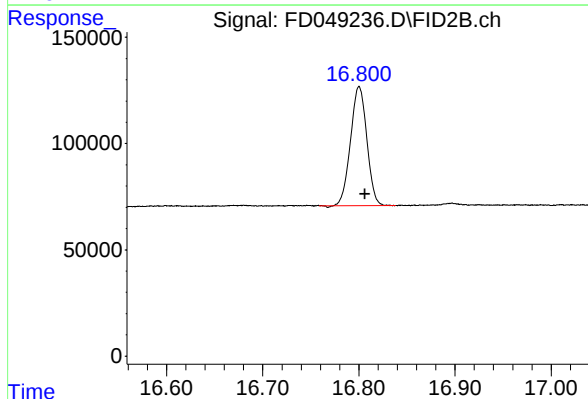
R.T.: 16.422 min
Delta R.T.: -0.005 min
Response: 715436
Conc: 5.15 ug/ml



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

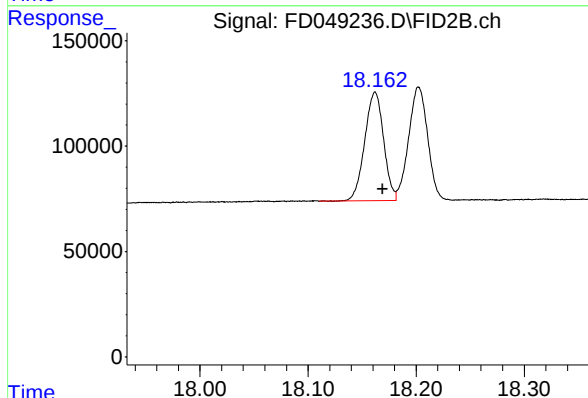
R.T.: 16.454 min
Delta R.T.: -0.006 min
Response: 700785
Conc: 5.11 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5



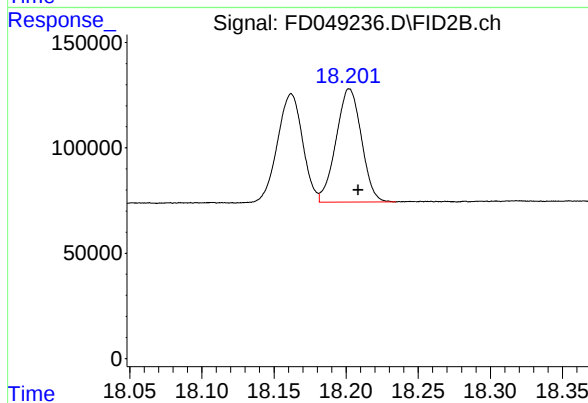
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.800 min
Delta R.T.: -0.006 min
Response: 662389
Conc: 5.10 ug/ml



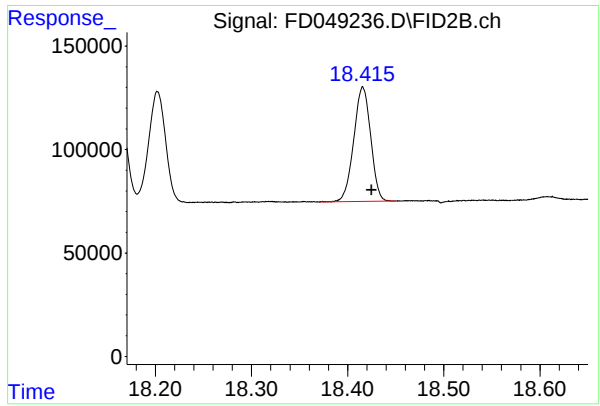
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.162 min
Delta R.T.: -0.007 min
Response: 626021
Conc: 5.14 ug/ml



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

R.T.: 18.202 min
Delta R.T.: -0.006 min
Response: 660163
Conc: 5.20 ug/ml



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

R.T.: 18.416 min
Delta R.T.: -0.009 min
Response: 677175
Conc: 5.21 ug/ml

Instrument :

FID_D

ClientSampleId :

5 PPM AROMATIC HC STD5

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD040725AR\
Data File : FD049236.D
Signal(s) : FID2B.ch
Acq On : 07 Apr 2025 18:45
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 040725.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	4.544	4.498	4.572	BV	93284	793235	86.17%	4.891%
2	6.090	5.958	6.162	BV	93170	852929	92.66%	5.259%
3	7.143	7.092	7.187	BV	87212	831034	90.28%	5.124%
4	7.752	7.718	7.812	BB	81178	763914	82.99%	4.711%
5	8.421	8.365	8.470	BB	94447	911997	99.07%	5.624%
6	8.618	8.565	8.655	BB	53235	511483	55.56%	3.154%
7	8.716	8.668	8.745	BB	94561	887643	96.43%	5.474%
8	9.496	9.422	9.543	BB	90370	891946	96.90%	5.500%
9	10.895	10.850	10.931	BV	86552	873665	94.91%	5.387%
10	10.969	10.931	11.020	VB	74704	778991	84.63%	4.804%
11	11.659	11.625	11.703	BV	87142	920516	100.00%	5.676%
12	12.707	12.672	12.750	BV	80080	865711	94.05%	5.338%
13	13.005	12.955	13.042	BV	79132	859789	93.40%	5.302%
14	14.873	14.785	14.894	BV	62201	710154	77.15%	4.379%
15	14.915	14.894	14.953	VB	64353	721985	78.43%	4.452%
16	16.422	16.290	16.438	BV	59316	715436	77.72%	4.412%
17	16.454	16.438	16.490	VB	60598	700785	76.13%	4.321%
18	16.800	16.758	16.838	BV	56103	662389	71.96%	4.085%
19	18.162	18.110	18.181	BV	51573	626021	68.01%	3.860%
20	18.202	18.181	18.235	VB	53894	660163	71.72%	4.071%
21	18.416	18.370	18.450	BB	55302	677175	73.56%	4.176%
Sum of corrected areas:						16216963		

Aromatic EPH 040725.M Tue Apr 08 05:38:02 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD040725AR\
 Data File : FD049237.D
 Signal(s) : FID2B.ch
 Acq On : 07 Apr 2025 19:23
 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: Apr 08 05:27:14 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 040725.M
 Quant Title : GC Extractables
 QLast Update : Tue Apr 08 05:25:12 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.752	2919734	19.710 ug/ml
Spiked Amount 50.000		Recovery =	39.42%
6) S 2-Fluorobiphenyl (SURR)	8.619	2005783	19.664 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	39.33%
11) S ortho-Terphenyl (SURR)	11.661	3492151	19.821 ug/ml
Spiked Amount 50.000		Recovery =	39.64%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.544	2990764	19.958 ug/ml
2) T Naphthalene (C11.7)	6.089	3227673	19.713 ug/ml
3) T 2-Methylnaphthalene (...)	7.143	3180539	19.663 ug/ml
5) T Acenaphthylene (C15.06)	8.423	3460692	19.592 ug/ml
7) T Acenaphthene (C15.5)	8.718	3378853	19.612 ug/ml
8) T Fluorene (C16.55)	9.499	3425138	19.642 ug/ml
9) T Phenanthrene (C19.36)	10.898	3395631	19.787 ug/ml
10) T Anthracene (C19.43)	10.972	3122464	19.876 ug/ml
12) T Fluoranthene (C21.85)	12.710	3373170	19.956 ug/ml
13) T Pyrene (C20.8)	13.009	3349278	19.970 ug/ml
14) T Benzo[a]anthracene (C...	14.877	2891161	20.113 ug/ml
15) T Chrysene (C27.41)	14.920	2902099	20.112 ug/ml
16) T benzo[b]fluoranthene ...	16.427	2792369	20.071 ug/ml
17) T Bnezo[k]fluoranthene ...	16.459	2757898	20.165 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.806	2620376	20.151 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.169	2458074	19.940 ug/ml
20) T Dibenz[a,h]anthracene...	18.208	2554622	20.203 ug/ml
21) T Benzo[g,h,i]perylene ...	18.425	2626079	20.116 ug/ml

(f)=RT Delta > 1/2 Window

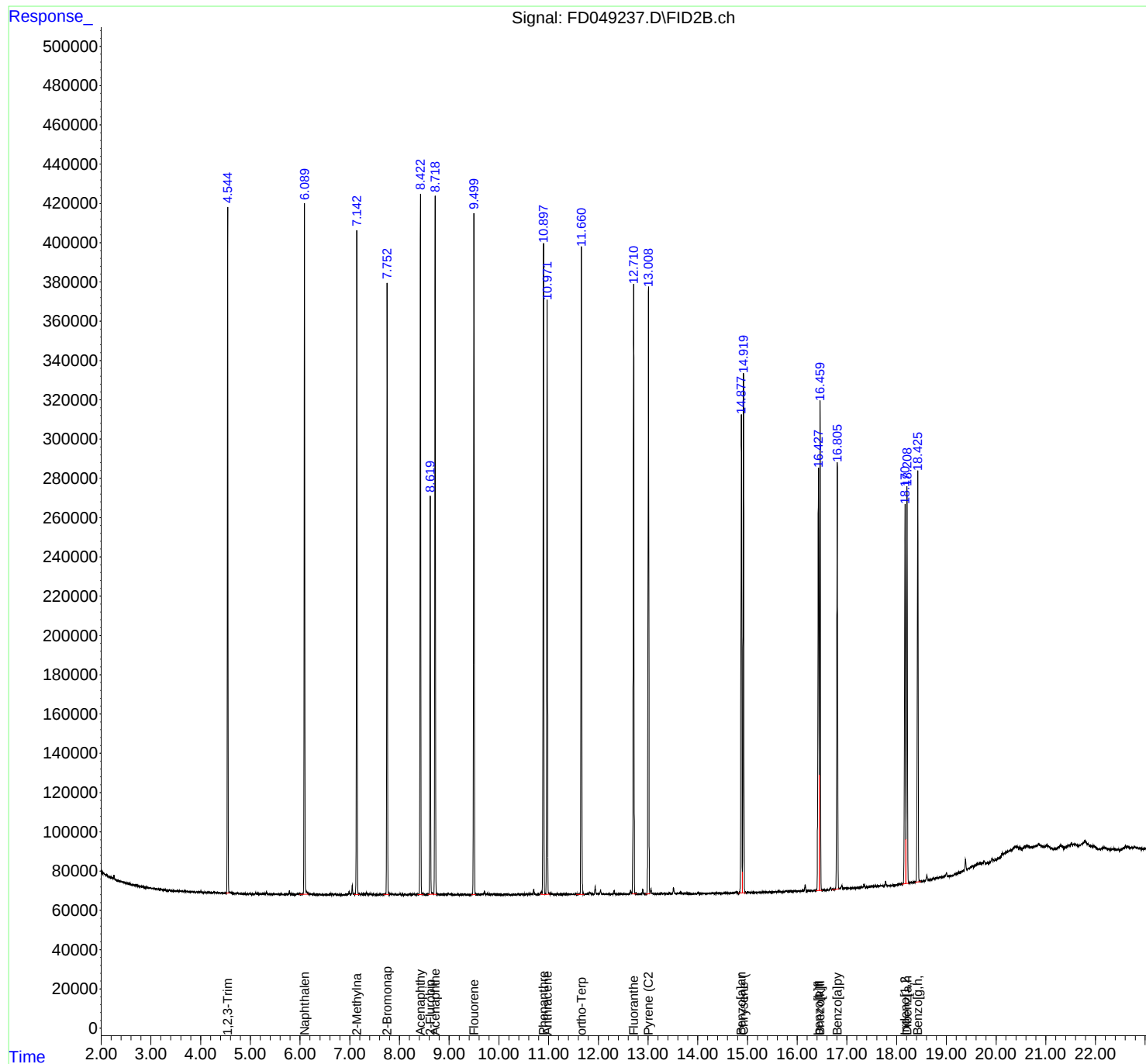
(m)=manual int.

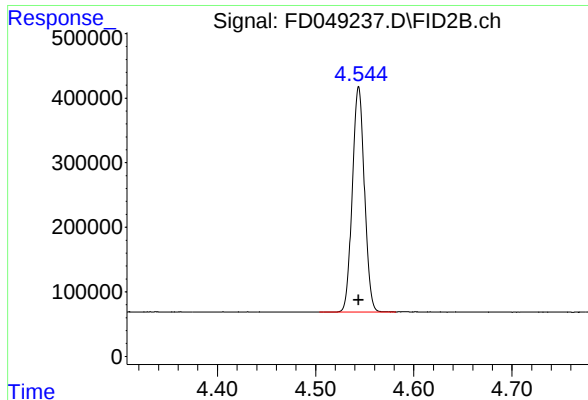
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD040725AR\
Data File : FD049237.D
Signal(s) : FID2B.ch
Acq On : 07 Apr 2025 19:23
Operator : YP/AJ
Sample : 20 PPM AROMATIC HC STD ICV
Misc :
ALS Vial : 66 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD ICV

Integration File: autoint1.e
Quant Time: Apr 08 05:27:14 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 040725.M
Quant Title : GC Extractables
QLast Update : Tue Apr 08 05:25:12 2025
Response via : Initial Calibration
Integrator: ChemStation

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

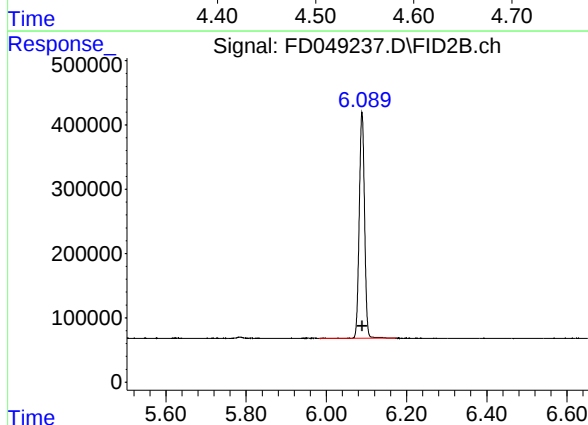




#1 1,2,3-Trimethylbenzene (C10.1)

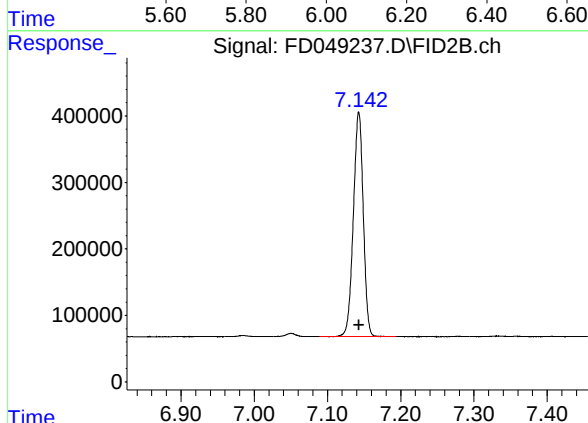
R.T.: 4.544 min
Delta R.T.: 0.000 min
Response: 2990764
Conc: 19.96 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD ICV



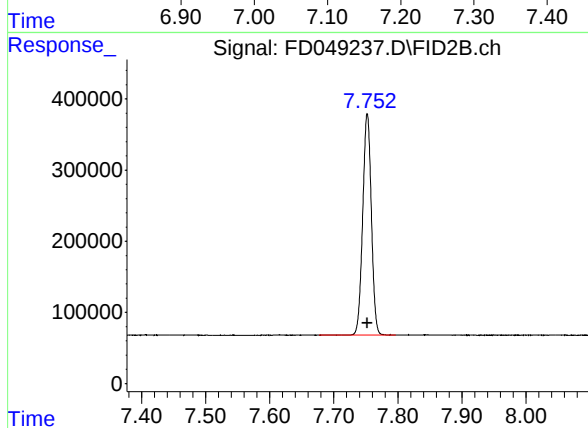
#2 Naphthalene (C11.7)

R.T.: 6.089 min
Delta R.T.: 0.000 min
Response: 3227673
Conc: 19.71 ug/ml



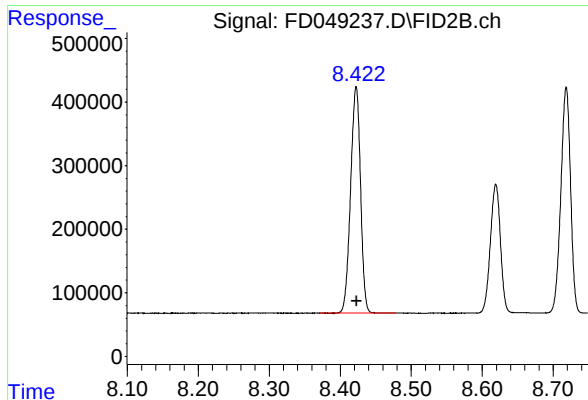
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.143 min
Delta R.T.: 0.000 min
Response: 3180539
Conc: 19.66 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.752 min
Delta R.T.: 0.000 min
Response: 2919734
Conc: 19.71 ug/ml



#5 Acenaphthylene (C15.06)

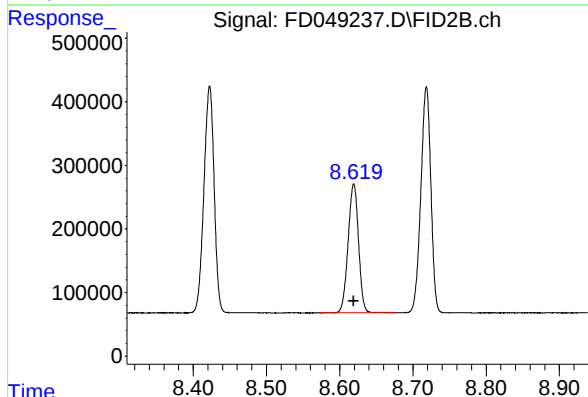
R.T.: 8.423 min
Delta R.T.: 0.000 min
Response: 3460692
Conc: 19.59 ug/ml

Instrument :

FID_D

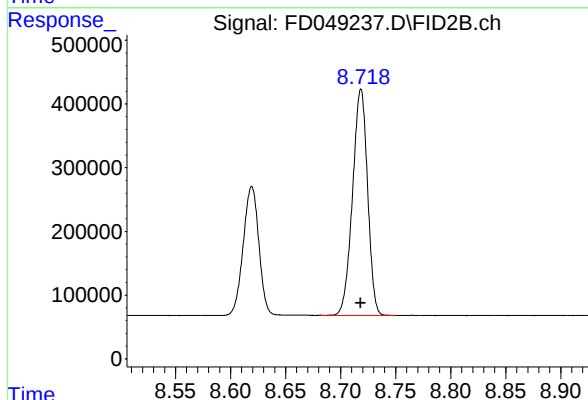
ClientSampleId :

20 PPM AROMATIC HC STD ICV



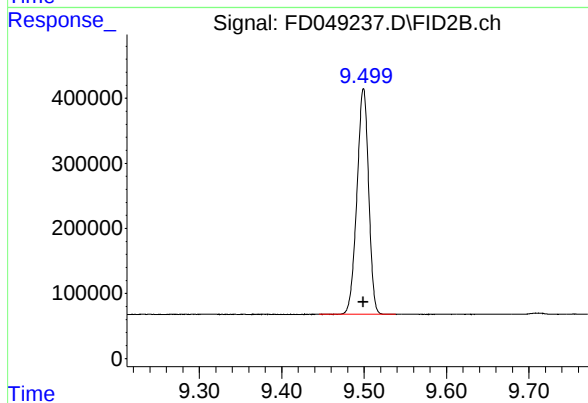
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.619 min
Delta R.T.: 0.000 min
Response: 2005783
Conc: 19.66 ug/ml



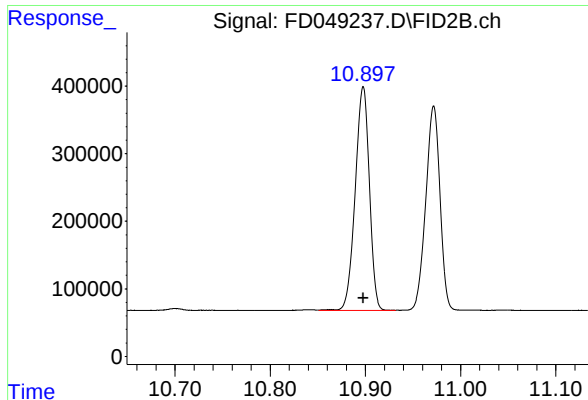
#7 Acenaphthene (C15.5)

R.T.: 8.718 min
Delta R.T.: 0.000 min
Response: 3378853
Conc: 19.61 ug/ml



#8 Fluorene (C16.55)

R.T.: 9.499 min
Delta R.T.: 0.000 min
Response: 3425138
Conc: 19.64 ug/ml



#9 Phenanthrene (C19.36)

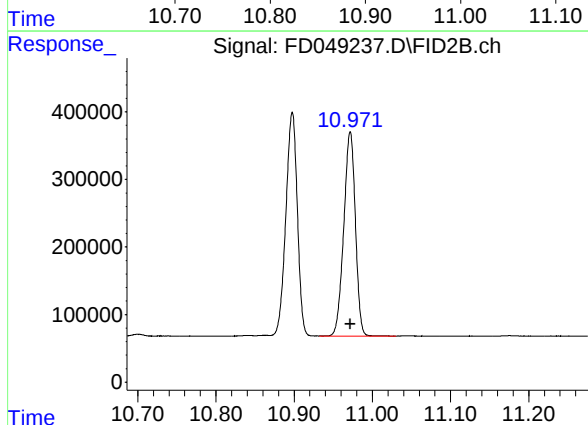
R.T.: 10.898 min
Delta R.T.: 0.000 min
Response: 3395631
Conc: 19.79 ug/ml

Instrument :

FID_D

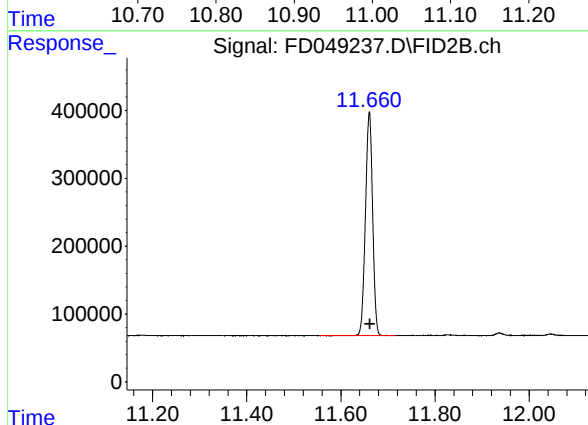
ClientSampleId :

20 PPM AROMATIC HC STD ICV



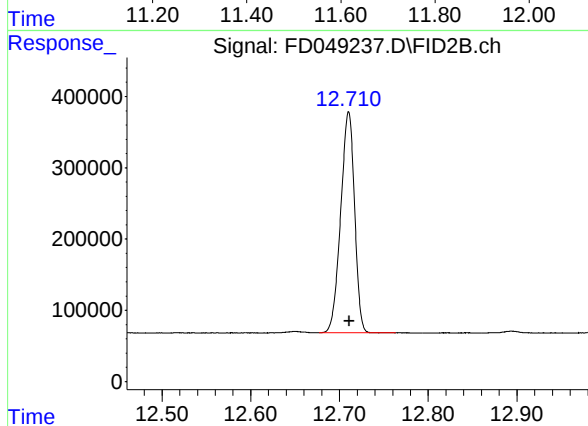
#10 Anthracene (C19.43)

R.T.: 10.972 min
Delta R.T.: 0.000 min
Response: 3122464
Conc: 19.88 ug/ml



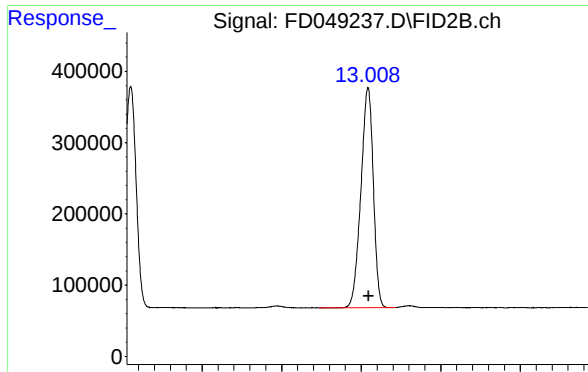
#11 ortho-Terphenyl (SURR)

R.T.: 11.661 min
Delta R.T.: -0.001 min
Response: 3492151
Conc: 19.82 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.710 min
Delta R.T.: 0.000 min
Response: 3373170
Conc: 19.96 ug/ml



#13 Pyrene (C20.8)

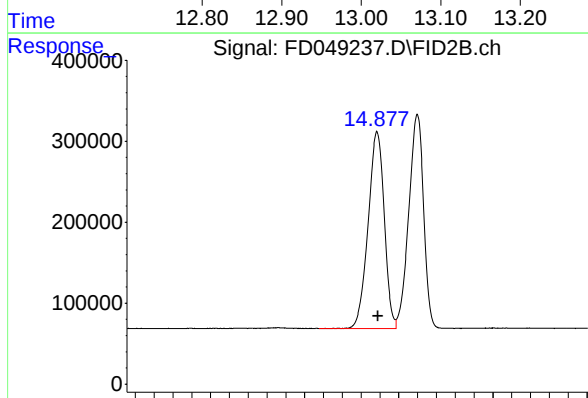
R.T.: 13.009 min
Delta R.T.: 0.000 min
Response: 3349278
Conc: 19.97 ug/ml

Instrument :

FID_D

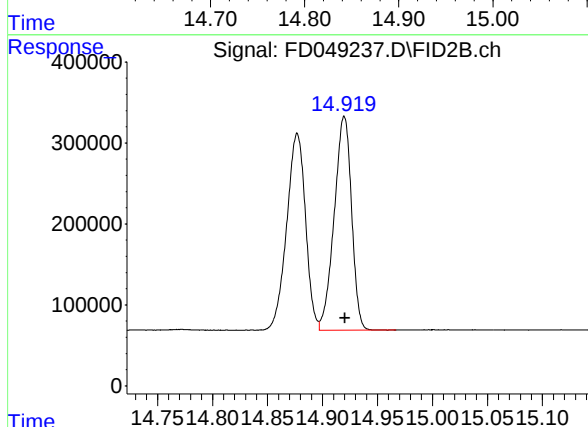
ClientSampleId :

20 PPM AROMATIC HC STD ICV



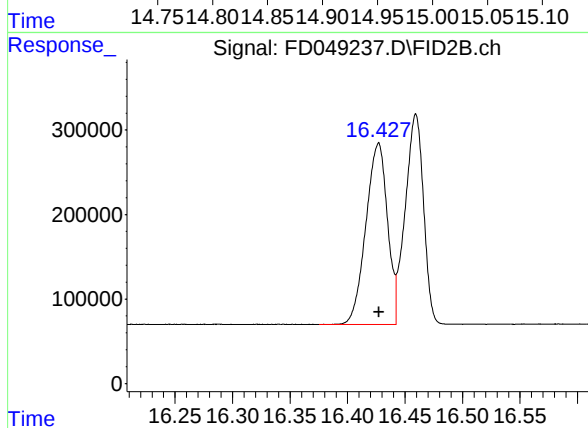
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.877 min
Delta R.T.: 0.000 min
Response: 2891161
Conc: 20.11 ug/ml



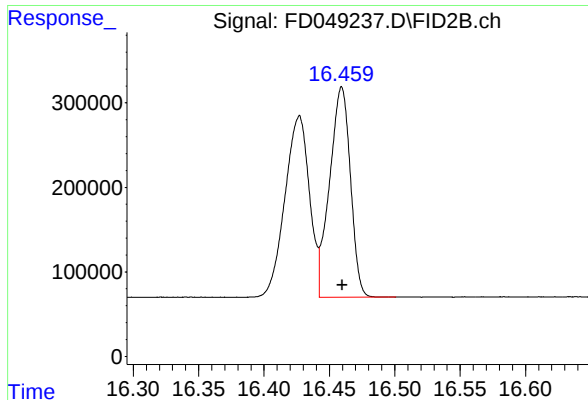
#15 Chrysene (C27.41)

R.T.: 14.920 min
Delta R.T.: 0.000 min
Response: 2902099
Conc: 20.11 ug/ml



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

R.T.: 16.427 min
Delta R.T.: 0.000 min
Response: 2792369
Conc: 20.07 ug/ml



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

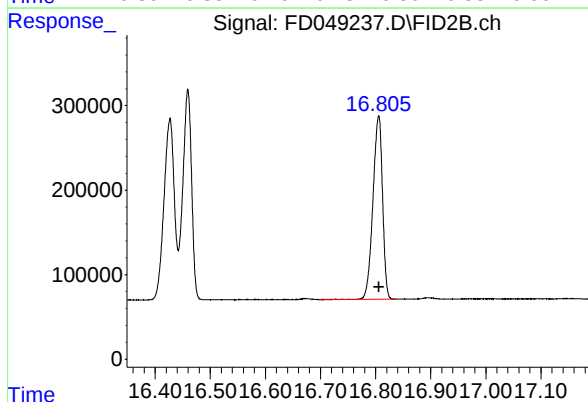
R.T.: 16.459 min
Delta R.T.: 0.000 min
Response: 2757898
Conc: 20.16 ug/ml

Instrument :

FID_D

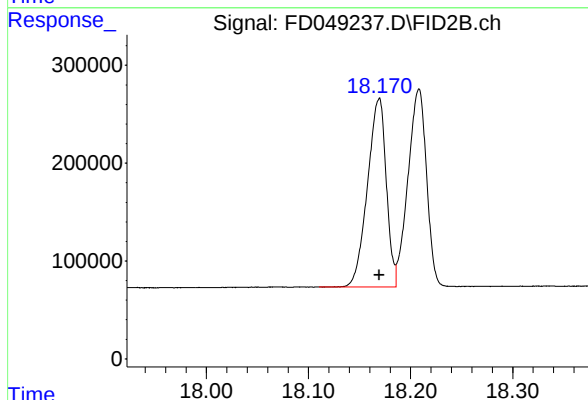
ClientSampleId :

20 PPM AROMATIC HC STD ICV



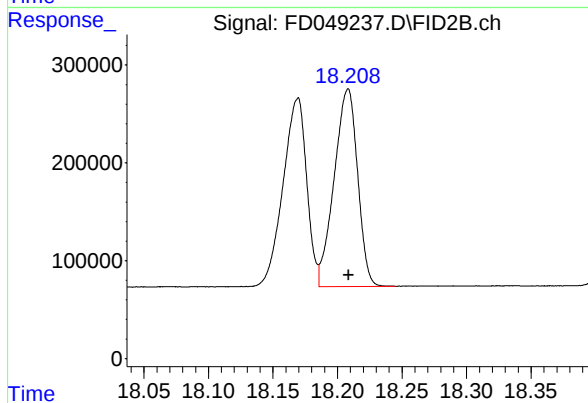
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.806 min
Delta R.T.: 0.000 min
Response: 2620376
Conc: 20.15 ug/ml



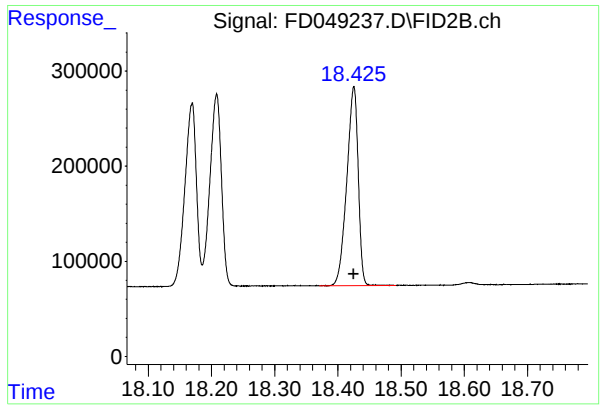
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.169 min
Delta R.T.: 0.000 min
Response: 2458074
Conc: 19.94 ug/ml



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

R.T.: 18.208 min
Delta R.T.: 0.000 min
Response: 2554622
Conc: 20.20 ug/ml



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

R.T.: 18.425 min
Delta R.T.: 0.000 min
Response: 2626079
Conc: 20.12 ug/ml

Instrument :

FID_D

ClientSampleId :

20 PPM AROMATIC HC STD ICV

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD040725AR\
Data File : FD049237.D
Signal(s) : FID2B.ch
Acq On : 07 Apr 2025 19:23
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 040725.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	4.544	4.504	4.582	BB	348908	2990764	85.64%	4.753%
2	6.089	5.982	6.174	BB	352086	3227673	92.43%	5.129%
3	7.143	7.089	7.194	BB	337857	3180539	91.08%	5.055%
4	7.752	7.677	7.797	BB	311590	2919734	83.61%	4.640%
5	8.423	8.370	8.479	BV	356998	3460692	99.10%	5.500%
6	8.619	8.572	8.677	BB	202496	2005783	57.44%	3.188%
7	8.718	8.680	8.750	BV	355763	3378853	96.76%	5.370%
8	9.499	9.445	9.539	BB	347128	3425138	98.08%	5.443%
9	10.898	10.851	10.932	VV	331007	3395631	97.24%	5.396%
10	10.972	10.932	11.030	VV	302741	3122464	89.41%	4.962%
11	11.661	11.554	11.717	BB	330018	3492151	100.00%	5.550%
12	12.710	12.677	12.764	VB	310609	3373170	96.59%	5.361%
13	13.009	12.947	13.044	BV	308974	3349278	95.91%	5.323%
14	14.877	14.815	14.897	BV	243187	2891161	82.79%	4.595%
15	14.920	14.897	14.967	VB	264245	2902099	83.10%	4.612%
16	16.427	16.375	16.442	BV	214543	2792369	79.96%	4.438%
17	16.459	16.442	16.501	VB	248979	2757898	78.97%	4.383%
18	16.806	16.697	16.837	PV	216817	2620376	75.04%	4.164%
19	18.169	18.110	18.186	BV	192063	2458074	70.39%	3.906%
20	18.208	18.186	18.245	VB	202535	2554622	73.15%	4.060%
21	18.425	18.370	18.492	BB	209616	2626079	75.20%	4.173%
Sum of corrected areas:							62924549	

Aromatic EPH 040725.M Tue Apr 08 05:38:21 2025