

Initial Calibration Report for SequenceID : FD021125AR

AreaCount

Parameter Range	FD049072.D	FD049073.D	FD049074.D	FD049075.D	FD049076.D	
Aromatic C10-C12	30133782.000	15194817.000	6263156.000	3318077.000	1700032.000	
Aromatic C12-C16	44977690.000	22823722.000	9507721.000	5041964.000	2641021.000	
Aromatic C16-C21	58435647.000	29734390.000	12145436.000	6295751.000	3256475.000	
Aromatic C21-C36	121981098.000	62220992.000	25499877.000	13225172.000	6892110.000	
Aromatic EPH	255528217.000	129973921.000	53416190.000	27880964.000	14489638.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aromatic C10-C12	159020.606	5.389				
Aromatic C12-C16	160935.8659994	6.836				
Aromatic C16-C21	153359.3085	4.411				
Aromatic C21-C36	143114.7526664	4.923				
Aromatic EPH	150128.8232216	5.194				

Concentration

Parameter Range	FD049072.D	FD049073.D	FD049074.D	FD049075.D	FD049076.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	FD049072.D	FD049073.D	FD049074.D	FD049075.D	FD049076.D	
Aromatic C10-C12	150668.910000	151948.170000	156578.900000	165903.850000	170003.200000	
Aromatic C12-C16	149925.633333	152158.146666	158462.016666	168065.466666	176068.066666	
Aromatic C16-C21	146089.117500	148671.950000	151817.950000	157393.775000	162823.750000	
Aromatic C21-C36	135534.553333	138268.871111	141665.983333	146946.355555	153158.000000	
Aromatic EPH	141960.120555	144415.467777	148378.305555	154894.244444	160995.977777	

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD021125AR\
 Data File : FD049072.D
 Signal(s) : FID2B.ch
 Acq On : 10 Feb 2025 13:22
 Operator : YP/AJ
 Sample : 100 PPM AROMATIC HC STD1
 Misc :
 ALS Vial : 62 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 100 PPM AROMATIC HC STD1

Integration File: autoint1.e
 Quant Time: Feb 10 15:30:48 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 021125.M
 Quant Title : GC Extractables
 QLast Update : Mon Feb 10 15:28:06 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...	7.356	13521753	97.612 ug/ml
Spiked Amount 50.000		Recovery =	195.22%
6) S 2-Fluorobiphenyl (SURR)	8.206	9031094	100.727 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	201.45%#
11) S ortho-Terphenyl (SURR)	11.242	14903579	96.771 ug/ml
Spiked Amount 50.000		Recovery =	193.54%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.179	14869075	97.560 ug/ml
2) T Naphthalene (C11.7)	5.697	15264707	98.585 ug/ml
3) T 2-Methylnaphthalene (...)	6.744	14901306	97.974 ug/ml
5) T Acenaphthylene (C15.06)	8.010	15174302	97.403 ug/ml
7) T Acenaphthene (C15.5)	8.306	14902082	96.330 ug/ml
8) T Fluorene (C16.55)	9.085	14990417	97.888 ug/ml
9) T Phenanthrene (C19.36)	10.472	14561159	98.628 ug/ml
10) T Anthracene (C19.43)	10.548	14369869	97.698 ug/ml
12) T Fluoranthene (C21.85)	12.278	14577451	97.401 ug/ml
13) T Pyrene (C20.8)	12.571	14514202	98.100 ug/ml
14) T Benzo[a]anthracene (C...	14.441	13838427	101.145 ug/ml
15) T Chrysene (C27.41)	14.487	14067276	95.042 ug/ml
16) T benzo[b]fluoranthene ...	15.992	13742882	98.944 ug/ml
17) T Bnezo[k]fluoranthene ...	16.030	13818927	96.450 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.370	13061093	98.611 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.738	12478937	107.613 ug/ml
20) T Dibenz[a,h]anthracene...	17.776	13100134	91.486 ug/ml
21) T Benzo[g,h,i]perylene ...	17.995	13295971	96.863 ug/ml

(f)=RT Delta > 1/2 Window

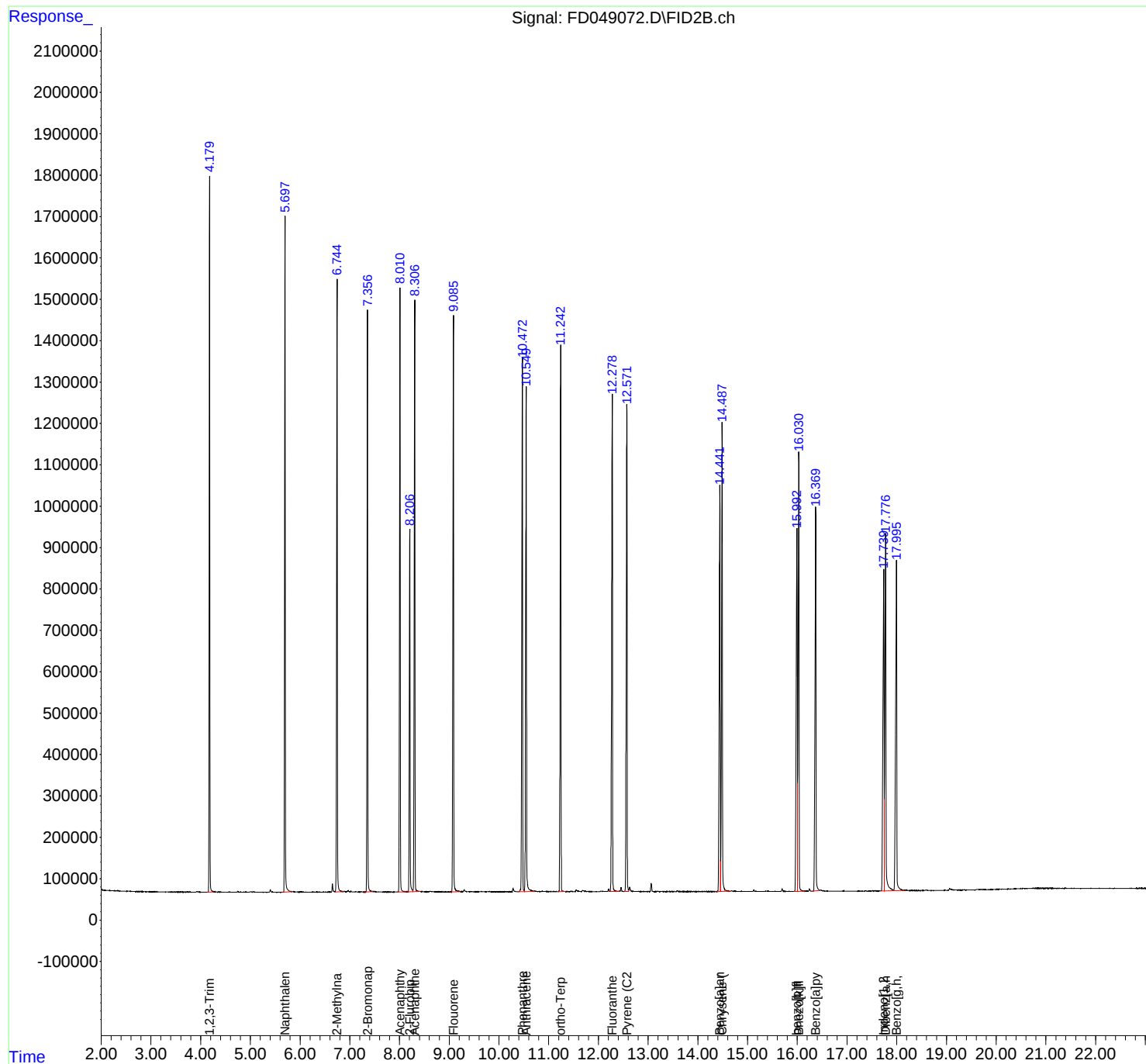
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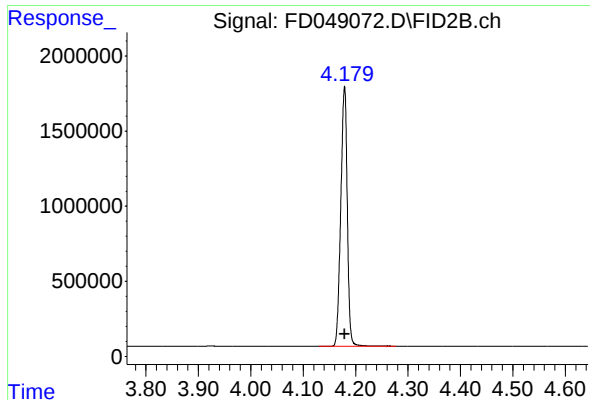
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD021125AR\
Data File : FD049072.D
Signal(s) : FID2B.ch
Acq On : 10 Feb 2025 13:22
Operator : YP/AJ
Sample : 100 PPM AROMATIC HC STD1
Misc :
ALS Vial : 62 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
100 PPM AROMATIC HC STD1

Integration File: autoint1.e
Quant Time: Feb 10 15:30:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 021125.M
Quant Title : GC Extractables
QLast Update : Mon Feb 10 15:28:06 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)

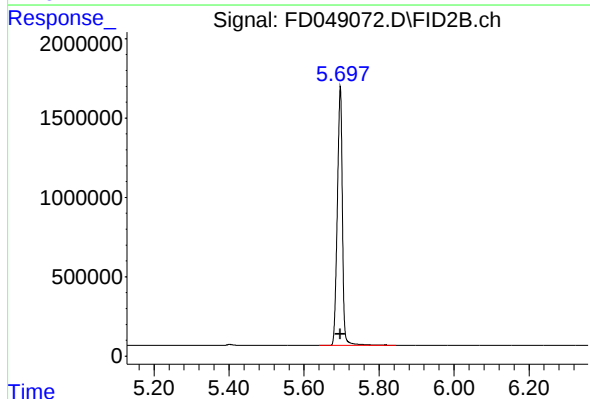
R.T.: 4.179 min
Delta R.T.: 0.000 min
Response: 14869075
Conc: 97.56 ug/ml

Instrument :

FID_D

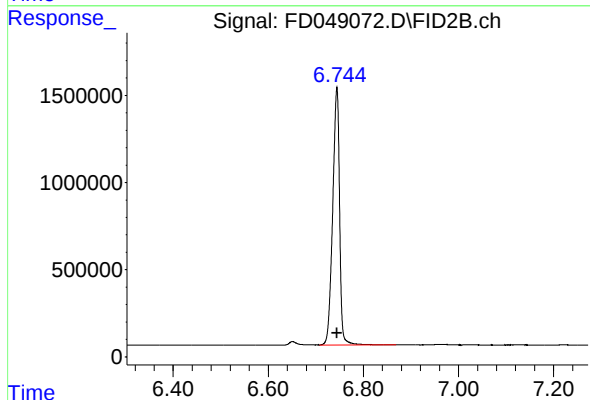
ClientSampleId :

100 PPM AROMATIC HC STD1



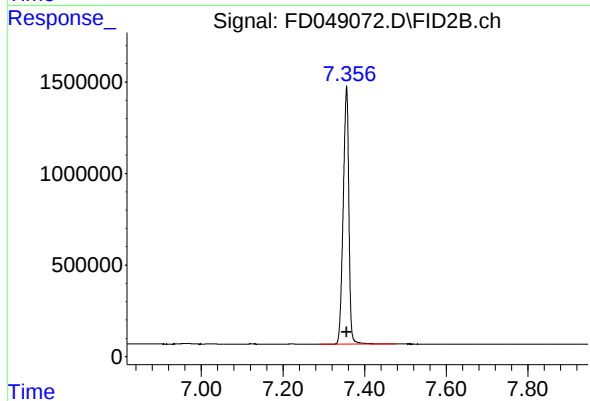
#2 Naphthalene (C11.7)

R.T.: 5.697 min
Delta R.T.: 0.000 min
Response: 15264707
Conc: 98.58 ug/ml



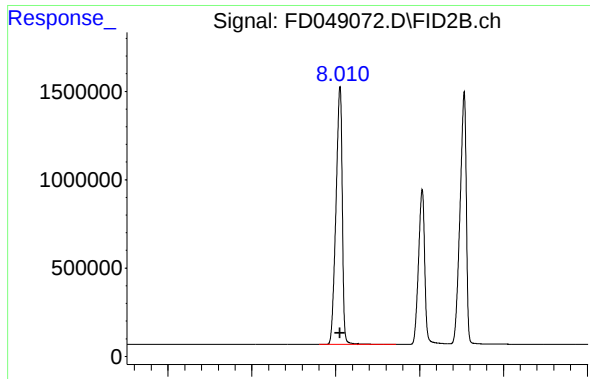
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.744 min
Delta R.T.: 0.000 min
Response: 14901306
Conc: 97.97 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.356 min
Delta R.T.: 0.000 min
Response: 13521753
Conc: 97.61 ug/ml



#5 Acenaphthylene (C15.06)

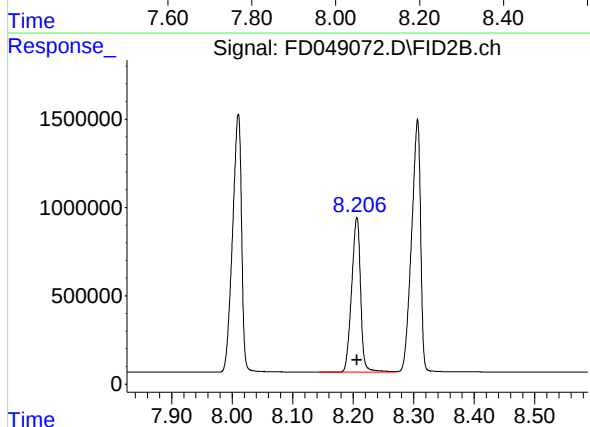
R.T.: 8.010 min
Delta R.T.: 0.000 min
Response: 15174302
Conc: 97.40 ug/ml

Instrument :

FID_D

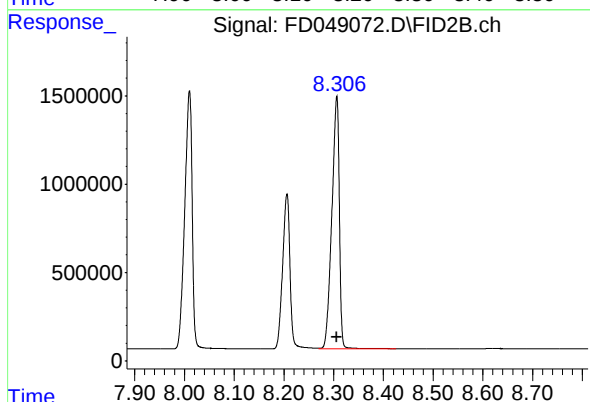
ClientSampleId :

100 PPM AROMATIC HC STD1



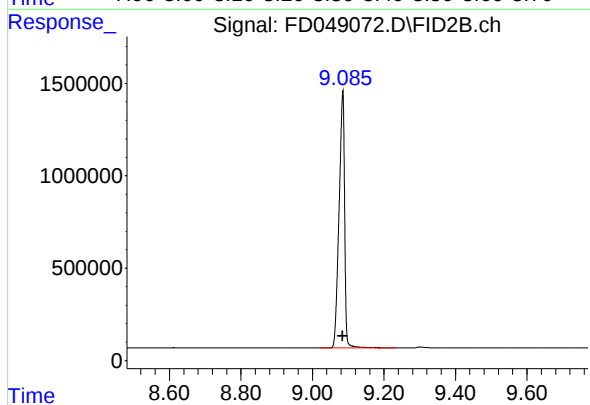
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.206 min
Delta R.T.: 0.000 min
Response: 9031094
Conc: 100.73 ug/ml



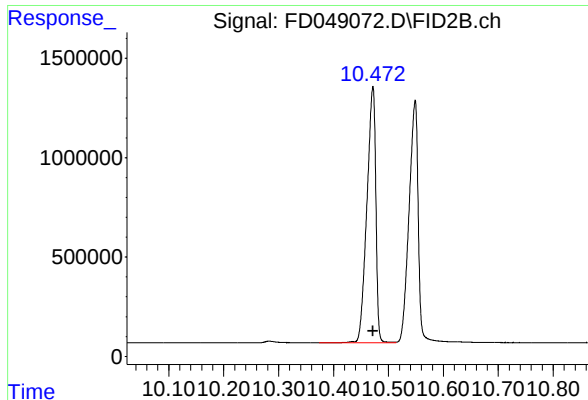
#7 Acenaphthene (C15.5)

R.T.: 8.306 min
Delta R.T.: 0.000 min
Response: 14902082
Conc: 96.33 ug/ml



#8 Flouorene (C16.55)

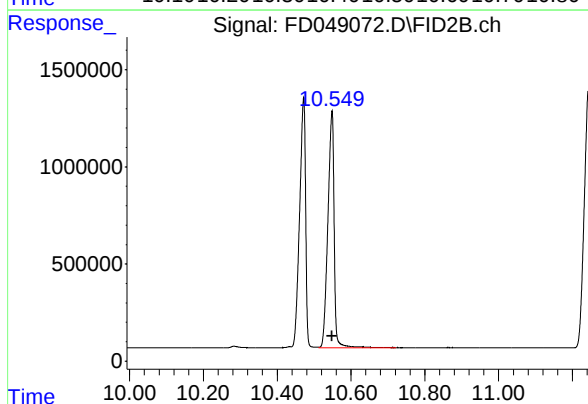
R.T.: 9.085 min
Delta R.T.: 0.000 min
Response: 14990417
Conc: 97.89 ug/ml



#9 Phenanthrene (C19.36)

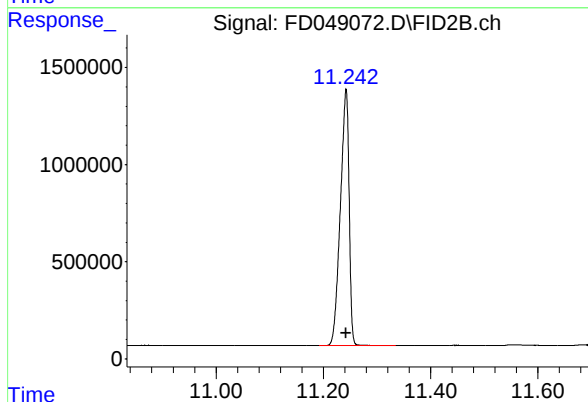
R.T.: 10.472 min
Delta R.T.: 0.000 min
Response: 14561159
Conc: 98.63 ug/ml

Instrument :
FID_D
ClientSampleId :
100 PPM AROMATIC HC STD1



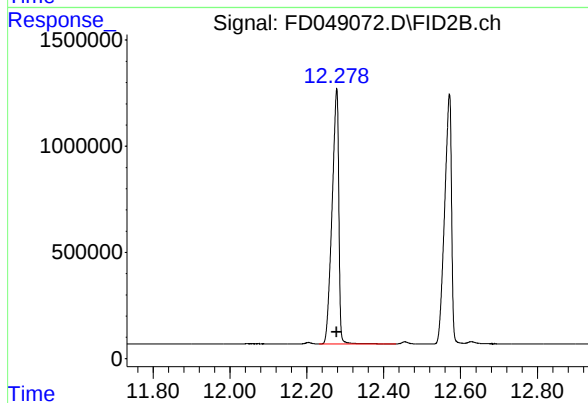
#10 Anthracene (C19.43)

R.T.: 10.548 min
Delta R.T.: 0.000 min
Response: 14369869
Conc: 97.70 ug/ml



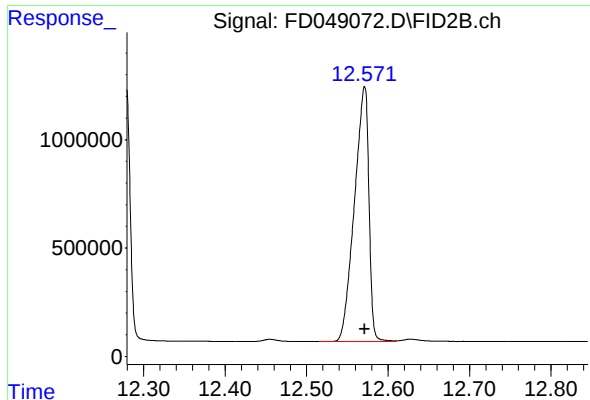
#11 ortho-Terphenyl (SURRE)

R.T.: 11.242 min
Delta R.T.: 0.000 min
Response: 14903579
Conc: 96.77 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.278 min
Delta R.T.: 0.000 min
Response: 14577451
Conc: 97.40 ug/ml



#13 Pyrene (C20.8)

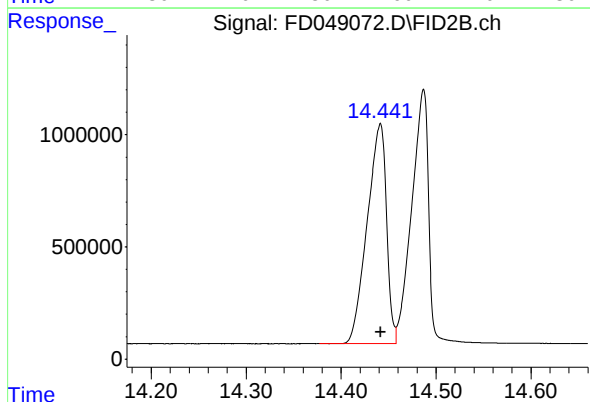
R.T.: 12.571 min
Delta R.T.: 0.000 min
Response: 14514202
Conc: 98.10 ug/ml

Instrument :

FID_D

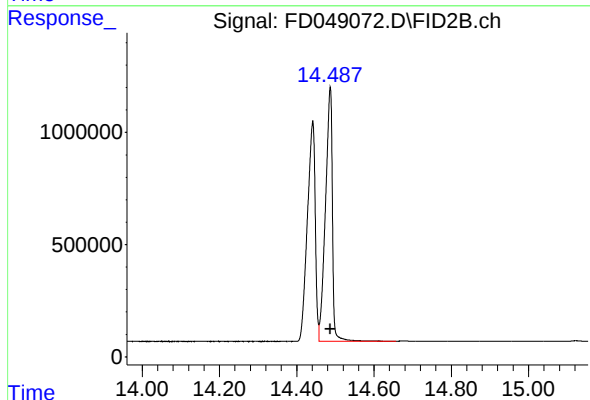
ClientSampleId :

100 PPM AROMATIC HC STD1



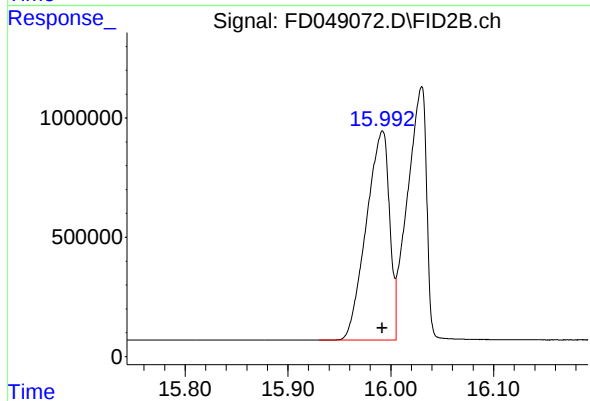
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.441 min
Delta R.T.: 0.000 min
Response: 13838427
Conc: 101.14 ug/ml



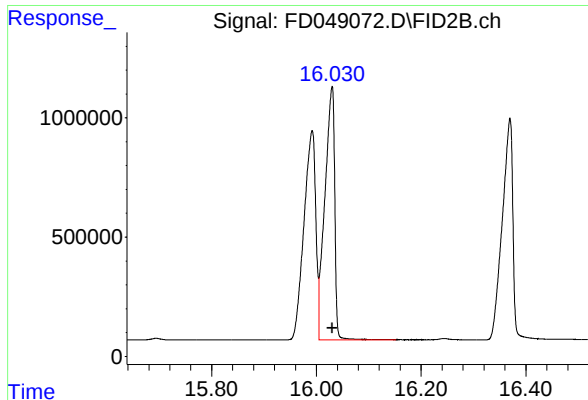
#15 Chrysene (C27.41)

R.T.: 14.487 min
Delta R.T.: 0.000 min
Response: 14067276
Conc: 95.04 ug/ml



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

R.T.: 15.992 min
Delta R.T.: 0.000 min
Response: 13742882
Conc: 98.94 ug/ml



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

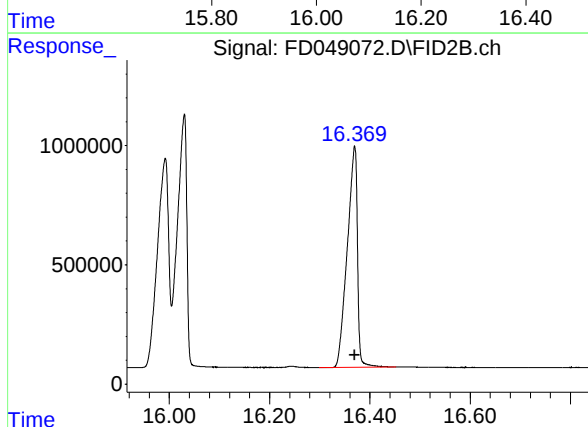
R.T.: 16.030 min
Delta R.T.: 0.000 min
Response: 13818927
Conc: 96.45 ug/ml

Instrument :

FID_D

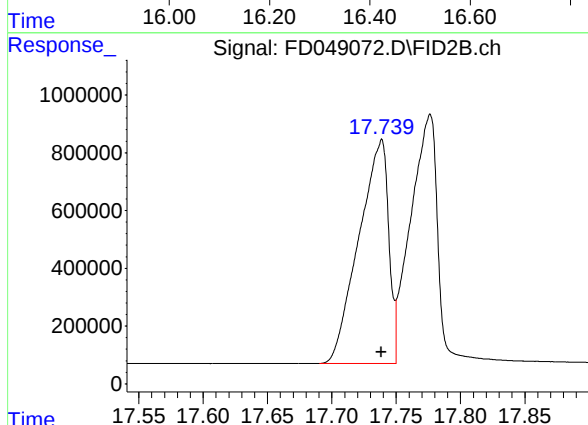
ClientSampleId :

100 PPM AROMATIC HC STD1



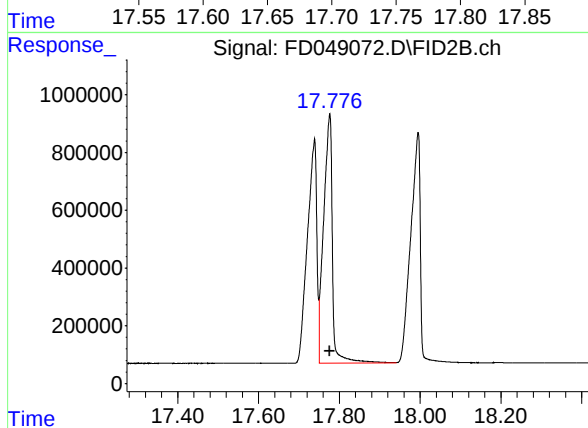
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.370 min
Delta R.T.: 0.000 min
Response: 13061093
Conc: 98.61 ug/ml



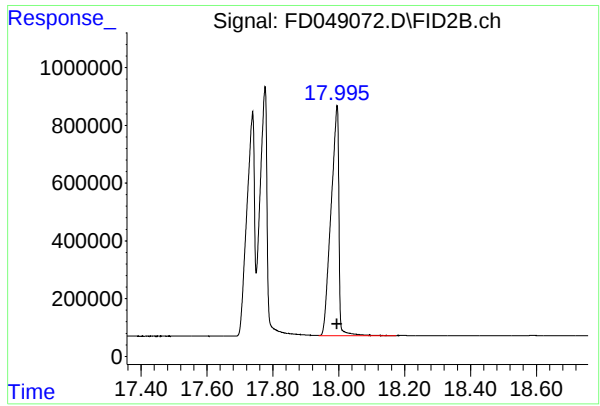
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.738 min
Delta R.T.: 0.000 min
Response: 12478937
Conc: 107.61 ug/ml



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

R.T.: 17.776 min
Delta R.T.: 0.000 min
Response: 13100134
Conc: 91.49 ug/ml



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

R.T.: 17.995 min
Delta R.T.: 0.000 min
Response: 13295971
Conc: 96.86 ug/ml

Instrument :

FID_D

ClientSampleId :

100 PPM AROMATIC HC STD1

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD021125AR\
Data File : FD049072.D
Signal(s) : FID2B.ch
Acq On : 10 Feb 2025 13:22
Sample : 100 PPM AROMATIC HC STD1
Misc :
ALS Vial : 62 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 021125.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	4.179	4.130	4.277	BV	1725911	14869075	97.41%	5.075%
2	5.697	5.640	5.845	BV	1634675	15264707	100.00%	5.210%
3	6.744	6.707	6.869	VV	1483646	14901306	97.62%	5.086%
4	7.356	7.289	7.477	BB	1400044	13521753	88.58%	4.615%
5	8.010	7.960	8.144	BB	1461744	15174302	99.41%	5.179%
6	8.206	8.144	8.271	BV	877931	9031094	59.16%	3.082%
7	8.306	8.271	8.425	VB	1434092	14902082	97.62%	5.086%
8	9.085	9.019	9.234	BB	1398721	14990417	98.20%	5.116%
9	10.472	10.374	10.514	BV	1291889	14561159	95.39%	4.970%
10	10.548	10.514	10.722	VB	1219536	14369869	94.14%	4.905%
11	11.242	11.192	11.335	BB	1319058	14903579	97.63%	5.087%
12	12.278	12.232	12.432	VV	1208983	14577451	95.50%	4.976%
13	12.571	12.515	12.610	BV	1180482	14514202	95.08%	4.954%
14	14.441	14.377	14.458	BV	983584	13838427	90.66%	4.723%
15	14.487	14.458	14.657	VV	1134752	14067276	92.16%	4.801%
16	15.992	15.930	16.005	BV	877521	13742882	90.03%	4.691%
17	16.030	16.005	16.152	VB	1064780	13818927	90.53%	4.717%
18	16.370	16.299	16.452	BV	929001	13061093	85.56%	4.458%
19	17.738	17.690	17.750	BV	775881	12478937	81.75%	4.259%
20	17.776	17.750	17.940	VV	865574	13100134	85.82%	4.471%
21	17.995	17.940	18.174	VV	799393	13295971	87.10%	4.538%
Sum of corrected areas:						292984644		

Aromatic EPH 021125.M Tue Feb 11 00:32:56 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD021125AR\
 Data File : FD049073.D
 Signal(s) : FID2B.ch
 Acq On : 10 Feb 2025 13:58
 Operator : YP/AJ
 Sample : 50 PPM AROMATIC HC STD2
 Misc :
 ALS Vial : 63 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 50 PPM AROMATIC HC STD2

Integration File: autoint1.e
 Quant Time: Feb 10 15:32:44 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 021125.M
 Quant Title : GC Extractables
 QLast Update : Mon Feb 10 15:28:06 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...	7.352	6832671	49.548 ug/ml
Spiked Amount 50.000		Recovery =	99.10%
6) S 2-Fluorobiphenyl (SURR)	8.201	4519240	50.269 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	100.54%
11) S ortho-Terphenyl (SURR)	11.236	7609409	49.605 ug/ml
Spiked Amount 50.000		Recovery =	99.21%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.176	7483064	49.395 ug/ml
2) T Naphthalene (C11.7)	5.693	7711753	49.870 ug/ml
3) T 2-Methylnaphthalene (...)	6.740	7516774	49.613 ug/ml
5) T Acenaphthylene (C15.06)	8.005	7704821	49.636 ug/ml
7) T Acenaphthene (C15.5)	8.300	7602127	49.425 ug/ml
8) T Fluorene (C16.55)	9.078	7593219	49.722 ug/ml
9) T Phenanthrene (C19.36)	10.465	7379729	49.990 ug/ml
10) T Anthracene (C19.43)	10.541	7344304	49.955 ug/ml
12) T Fluoranthene (C21.85)	12.270	7455312	49.876 ug/ml
13) T Pyrene (C20.8)	12.562	7417138	50.088 ug/ml
14) T Benzo[a]anthracene (C...	14.434	6964194	50.597 ug/ml
15) T Chrysene (C27.41)	14.475	7274381	49.429 ug/ml
16) T benzo[b]fluoranthene ...	15.983	6978240	50.160 ug/ml
17) T Bnezo[k]fluoranthene ...	16.015	7115728	49.346 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.357	6633881	50.057 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.724	5940391	50.812 ug/ml
20) T Dibenz[a,h]anthracene...	17.760	7026106	49.374 ug/ml
21) T Benzo[g,h,i]perylene ...	17.977	6832759	49.851 ug/ml

(f)=RT Delta > 1/2 Window

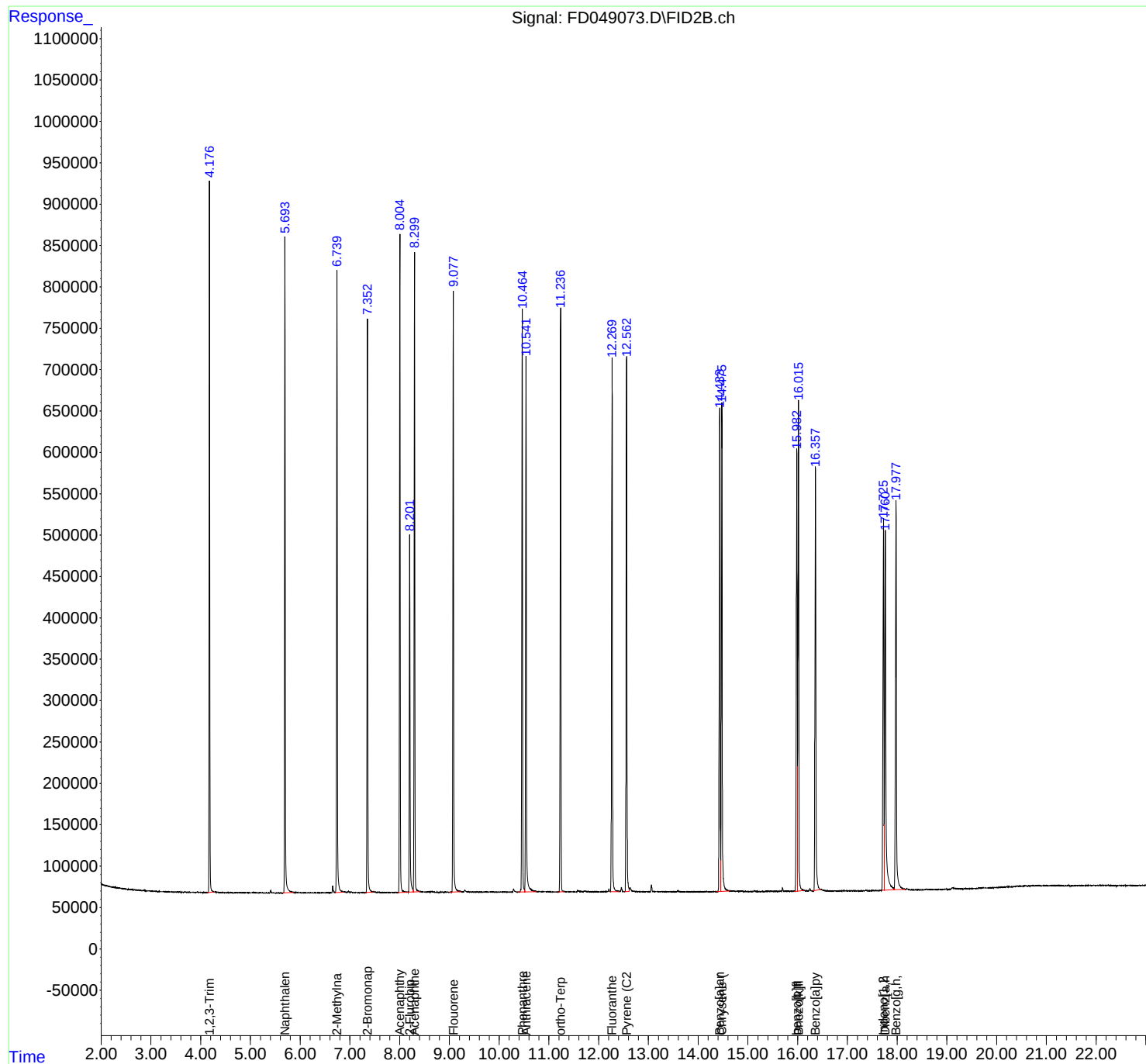
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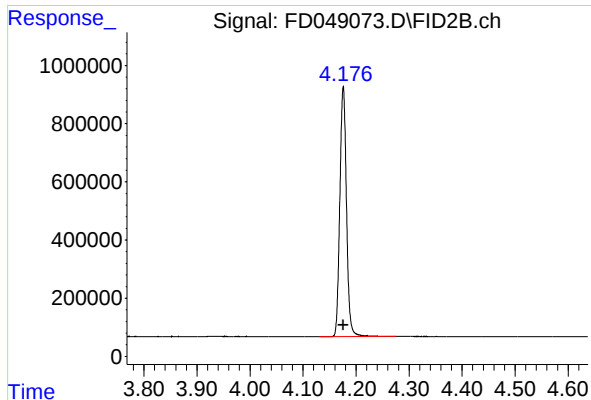
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD021125AR\
Data File : FD049073.D
Signal(s) : FID2B.ch
Acq On : 10 Feb 2025 13:58
Operator : YP/AJ
Sample : 50 PPM AROMATIC HC STD2
Misc :
ALS Vial : 63 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2

Integration File: autoint1.e
Quant Time: Feb 10 15:32:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 021125.M
Quant Title : GC Extractables
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Integrator: ChemStation

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

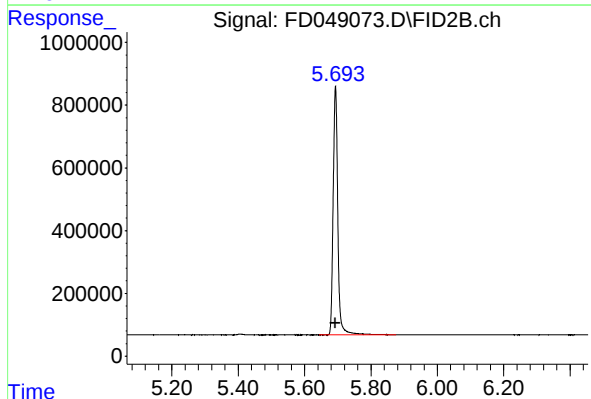




#1 1,2,3-Trimethylbenzene (C10.1)

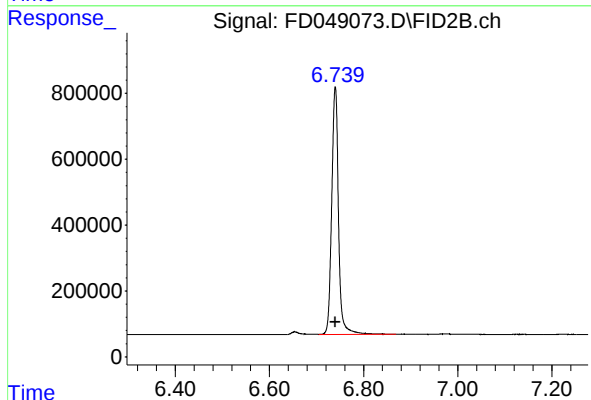
R.T.: 4.176 min
Delta R.T.: 0.000 min
Response: 7483064
Conc: 49.40 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2



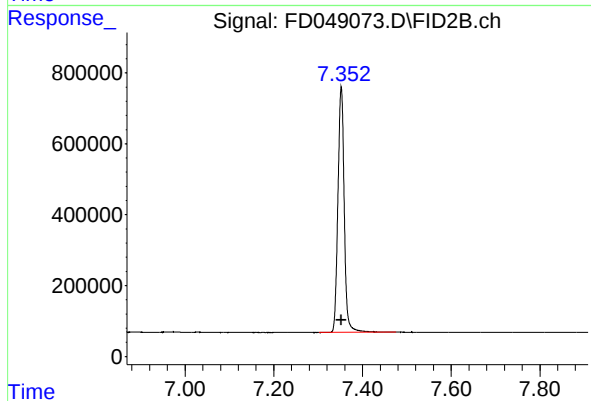
#2 Naphthalene (C11.7)

R.T.: 5.693 min
Delta R.T.: 0.000 min
Response: 7711753
Conc: 49.87 ug/ml



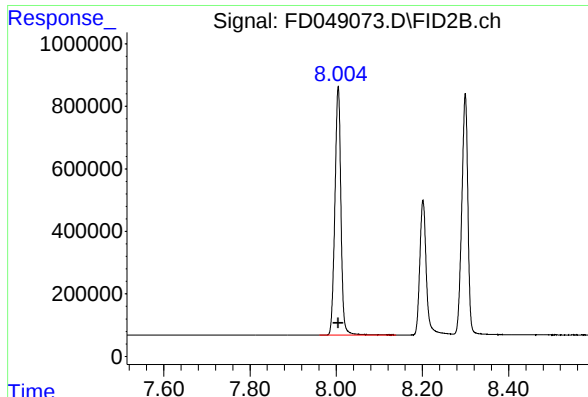
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.740 min
Delta R.T.: 0.000 min
Response: 7516774
Conc: 49.61 ug/ml



#4 2-Bromonaphthalene (SURR)

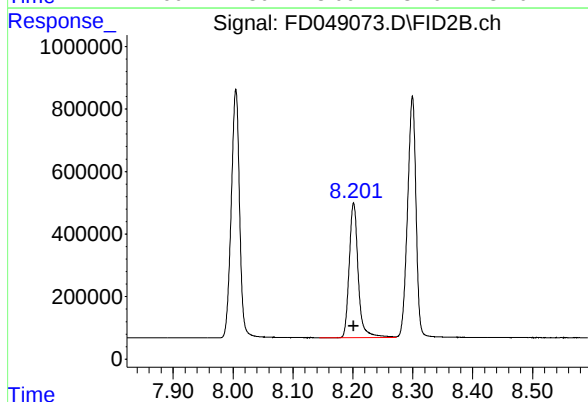
R.T.: 7.352 min
Delta R.T.: 0.000 min
Response: 6832671
Conc: 49.55 ug/ml



#5 Acenaphthylene (C15.06)

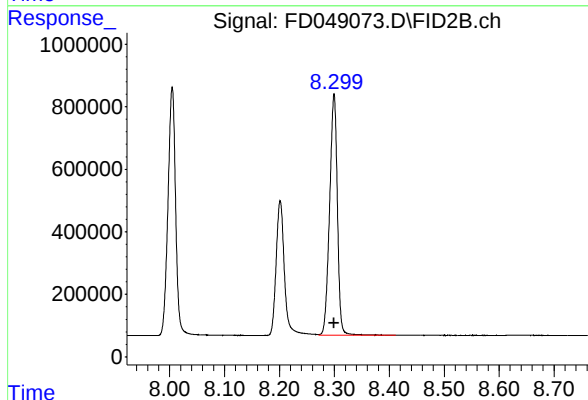
R.T.: 8.005 min
Delta R.T.: 0.000 min
Response: 7704821
Conc: 49.64 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2



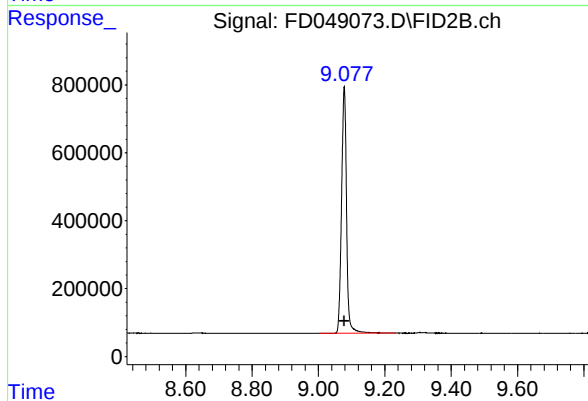
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.201 min
Delta R.T.: 0.000 min
Response: 4519240
Conc: 50.27 ug/ml



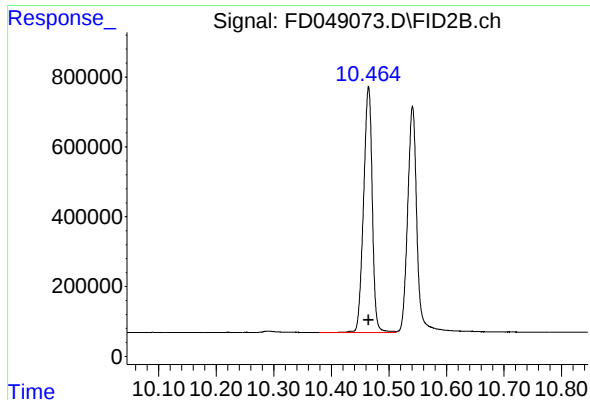
#7 Acenaphthene (C15.5)

R.T.: 8.300 min
Delta R.T.: 0.000 min
Response: 7602127
Conc: 49.42 ug/ml



#8 Fluorene (C16.55)

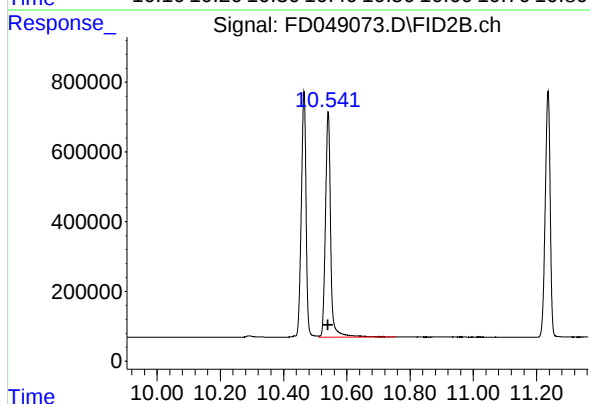
R.T.: 9.078 min
Delta R.T.: 0.000 min
Response: 7593219
Conc: 49.72 ug/ml



#9 Phenanthrene (C19.36)

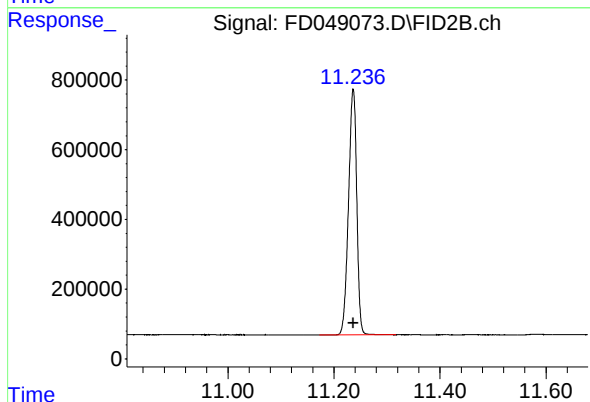
R.T.: 10.465 min
Delta R.T.: 0.000 min
Response: 7379729
Conc: 49.99 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2



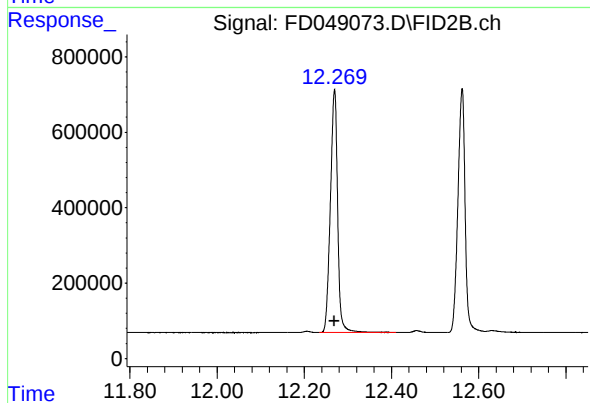
#10 Anthracene (C19.43)

R.T.: 10.541 min
Delta R.T.: 0.000 min
Response: 7344304
Conc: 49.96 ug/ml



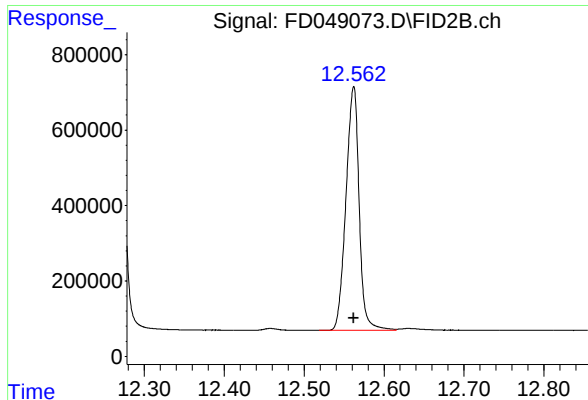
#11 ortho-Terphenyl (SURR)

R.T.: 11.236 min
Delta R.T.: 0.000 min
Response: 7609409
Conc: 49.60 ug/ml



#12 Fluoranthene (C21.85)

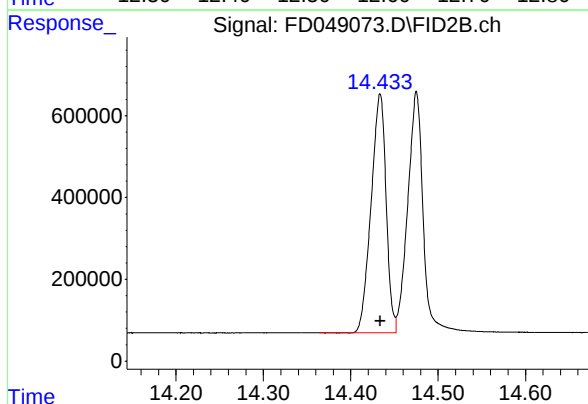
R.T.: 12.270 min
Delta R.T.: 0.000 min
Response: 7455312
Conc: 49.88 ug/ml



#13 Pyrene (C20.8)

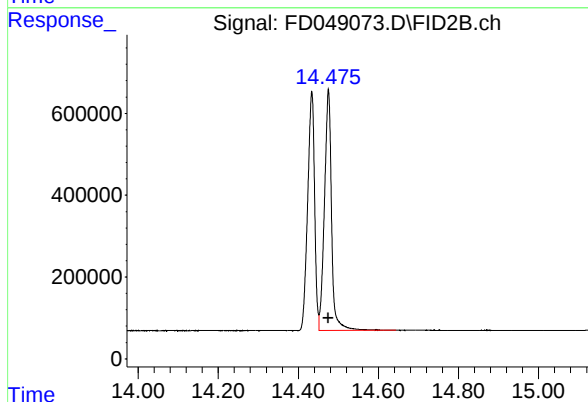
R.T.: 12.562 min
Delta R.T.: 0.000 min
Response: 7417138
Conc: 50.09 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2



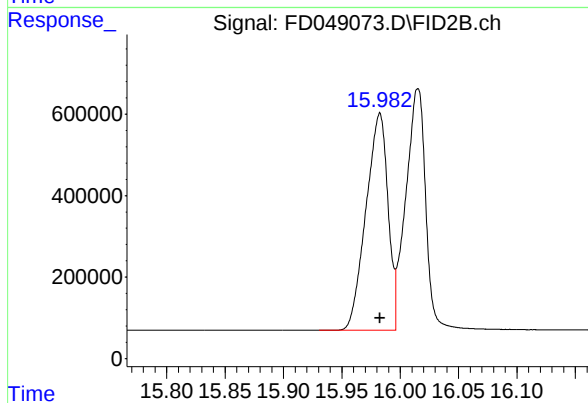
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.434 min
Delta R.T.: 0.000 min
Response: 6964194
Conc: 50.60 ug/ml



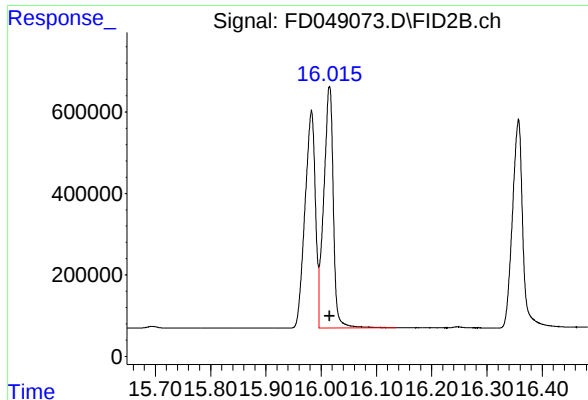
#15 Chrysene (C27.41)

R.T.: 14.475 min
Delta R.T.: 0.000 min
Response: 7274381
Conc: 49.43 ug/ml



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

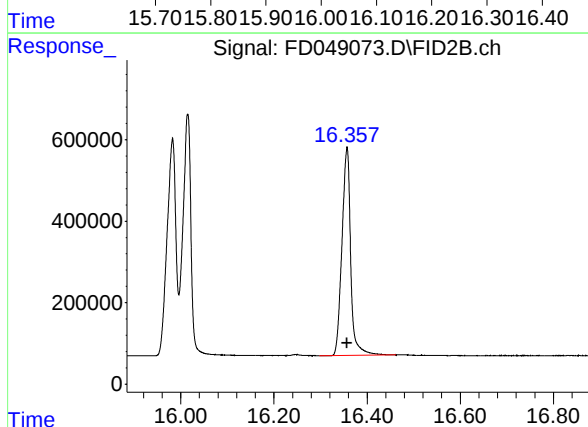
R.T.: 15.983 min
Delta R.T.: 0.000 min
Response: 6978240
Conc: 50.16 ug/ml



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

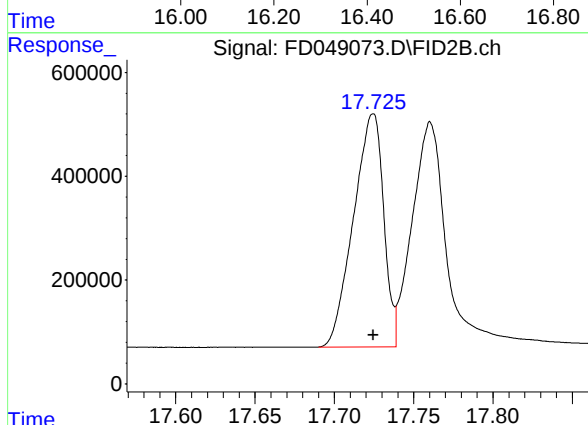
R.T.: 16.015 min
Delta R.T.: 0.000 min
Response: 7115728
Conc: 49.35 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2



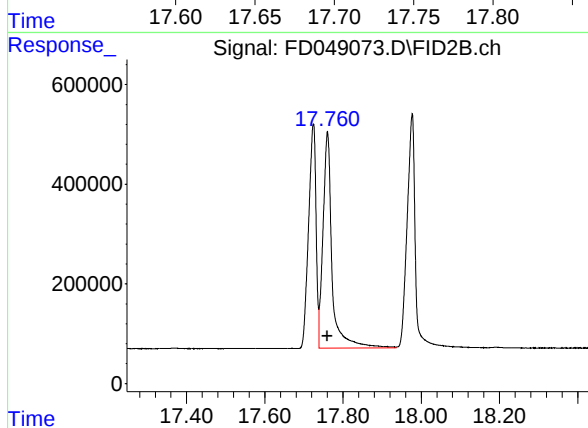
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.357 min
Delta R.T.: 0.000 min
Response: 6633881
Conc: 50.06 ug/ml



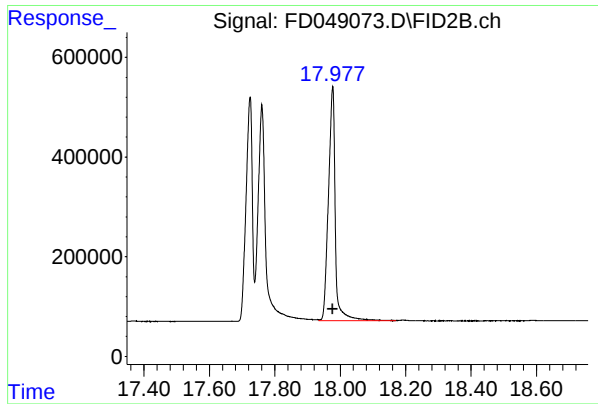
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.724 min
Delta R.T.: 0.000 min
Response: 5940391
Conc: 50.81 ug/ml



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

R.T.: 17.760 min
Delta R.T.: 0.000 min
Response: 7026106
Conc: 49.37 ug/ml



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

R.T.: 17.977 min

Delta R.T.: 0.000 min

Response: 6832759

Conc: 49.85 ug/ml

Instrument :

FID_D

ClientSampleId :

50 PPM AROMATIC HC STD2

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD021125AR\
Data File : FD049073.D
Signal(s) : FID2B.ch
Acq On : 10 Feb 2025 13:58
Sample : 50 PPM AROMATIC HC STD2
Misc :
ALS Vial : 63 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 021125.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	4.176	4.130	4.275	BB	856930	7483064	97.03%	5.024%
2	5.693	5.644	5.875	BB	793670	7711753	100.00%	5.178%
3	6.740	6.705	6.869	VV	752280	7516774	97.47%	5.047%
4	7.352	7.302	7.475	BB	692518	6832671	88.60%	4.588%
5	8.005	7.960	8.139	BB	796415	7704821	99.91%	5.173%
6	8.201	8.144	8.272	BV	430213	4519240	58.60%	3.034%
7	8.300	8.272	8.412	VB	773593	7602127	98.58%	5.104%
8	9.078	9.002	9.234	BB	724789	7593219	98.46%	5.098%
9	10.465	10.379	10.512	BV	704297	7379729	95.69%	4.955%
10	10.541	10.512	10.755	VB	647346	7344304	95.24%	4.931%
11	11.236	11.172	11.317	BB	704623	7609409	98.67%	5.109%
12	12.270	12.234	12.410	PV	646673	7455312	96.67%	5.006%
13	12.562	12.519	12.615	BV	647073	7417138	96.18%	4.980%
14	14.434	14.364	14.452	BV	584665	6964194	90.31%	4.676%
15	14.475	14.452	14.644	VB	589498	7274381	94.33%	4.884%
16	15.983	15.930	15.996	BV	532011	6978240	90.49%	4.685%
17	16.015	15.996	16.135	VB	592968	7115728	92.27%	4.778%
18	16.357	16.297	16.462	BV	511495	6633881	86.02%	4.454%
19	17.724	17.690	17.739	BV	449892	5940391	77.03%	3.989%
20	17.760	17.739	17.935	VV	434204	7026106	91.11%	4.718%
21	17.977	17.935	18.170	VV	469618	6832759	88.60%	4.588%
Sum of corrected areas:						148935240		

Aromatic EPH 021125.M Tue Feb 11 00:33:22 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD021125AR\
 Data File : FD049074.D
 Signal(s) : FID2B.ch
 Acq On : 10 Feb 2025 14:35
 Operator : YP/AJ
 Sample : 20 PPM AROMATIC HC STD3
 Misc :
 ALS Vial : 64 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 20 PPM AROMATIC HC STD3

Integration File: autoint1.e
 Quant Time: Feb 10 15:28:30 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 021125.M
 Quant Title : GC Extractables
 QLast Update : Mon Feb 10 15:28:06 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...	7.351	2836644	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
6) S 2-Fluorobiphenyl (SURR)	8.202	1780140	20.000 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	40.00%
11) S ortho-Terphenyl (SURR)	11.233	3179603	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.176	3122576	20.000 ug/ml
2) T Naphthalene (C11.7)	5.693	3140580	20.000 ug/ml
3) T 2-Methylnaphthalene (...)	6.739	3103501	20.000 ug/ml
5) T Acenaphthylene (C15.06)	8.003	3196723	20.000 ug/ml
7) T Acenaphthene (C15.5)	8.296	3207497	20.000 ug/ml
8) T Fluorene (C16.55)	9.076	3127465	20.000 ug/ml
9) T Phenanthrene (C19.36)	10.463	2993262	20.000 ug/ml
10) T Anthracene (C19.43)	10.540	3009407	20.000 ug/ml
12) T Fluoranthene (C21.85)	12.267	3071055	20.000 ug/ml
13) T Pyrene (C20.8)	12.558	3015302	20.000 ug/ml
14) T Benzo[a]anthracene (C...	14.429	2705035	20.000 ug/ml
15) T Chrysene (C27.41)	14.469	3106970	20.000 ug/ml
16) T benzo[b]fluoranthene ...	15.976	2807258	20.000 ug/ml
17) T Bnezo[k]fluoranthene ...	16.006	3041925	20.000 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.354	2685830	20.000 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.718	2142662	20.000 ug/ml
20) T Dibenz[a,h]anthracene...	17.759	3107681	20.000 ug/ml
21) T Benzo[g,h,i]perylene ...	17.966	2831461	20.000 ug/ml

(f)=RT Delta > 1/2 Window

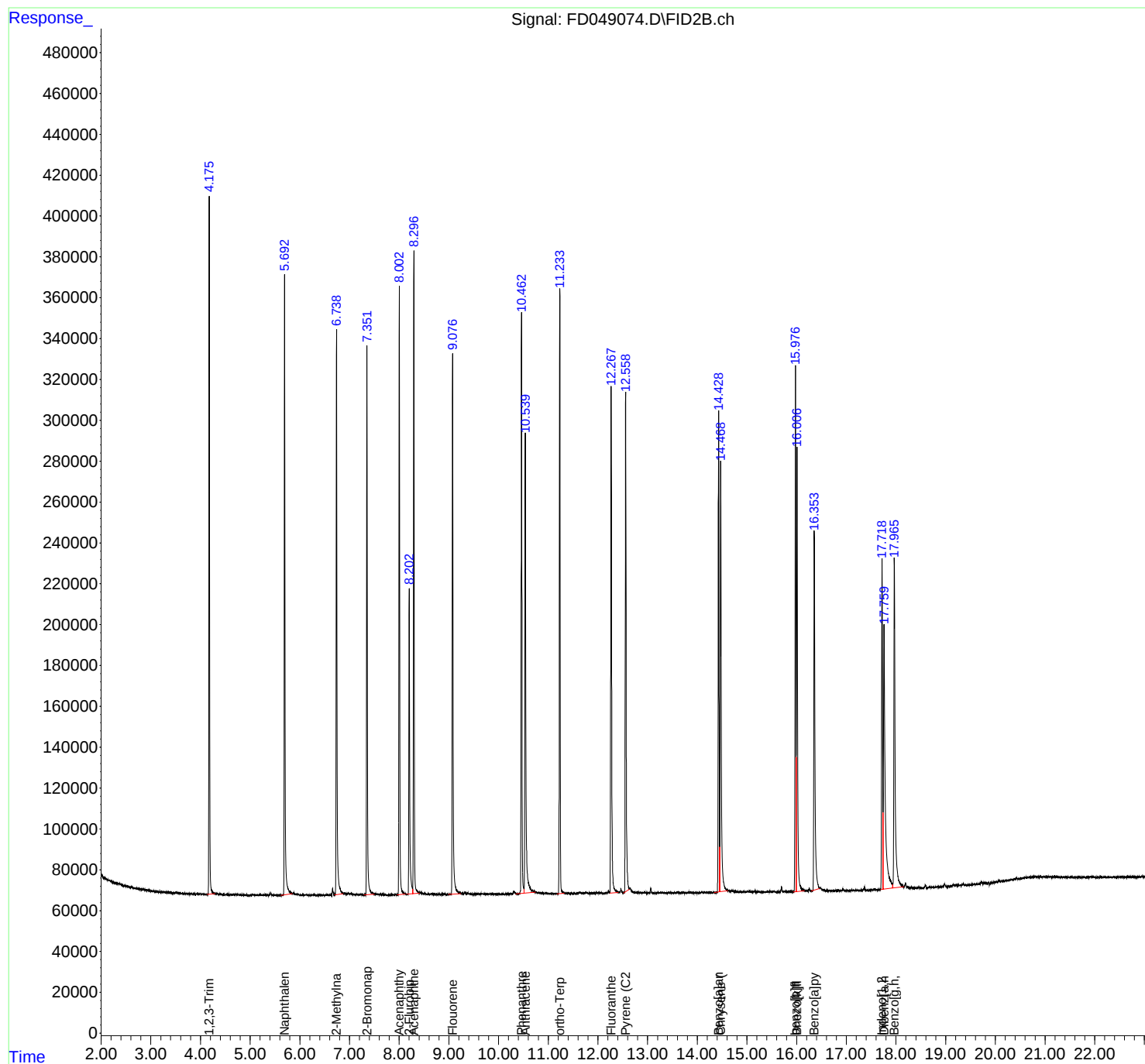
(m)=manual int.

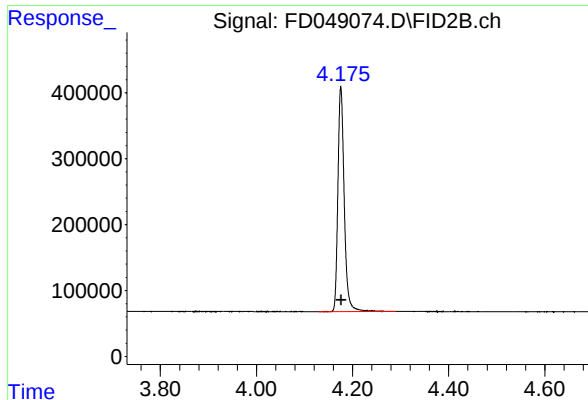
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD021125AR\
Data File : FD049074.D
Signal(s) : FID2B.ch
Acq On : 10 Feb 2025 14:35
Operator : YP/AJ
Sample : 20 PPM AROMATIC HC STD3
Misc :
ALS Vial : 64 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3

Integration File: autoint1.e
Quant Time: Feb 10 15:28:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 021125.M
Quant Title : GC Extractables
QLast Update : Mon Feb 10 15:28:06 2025
Response via : Initial Calibration
Integrator: ChemStation

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

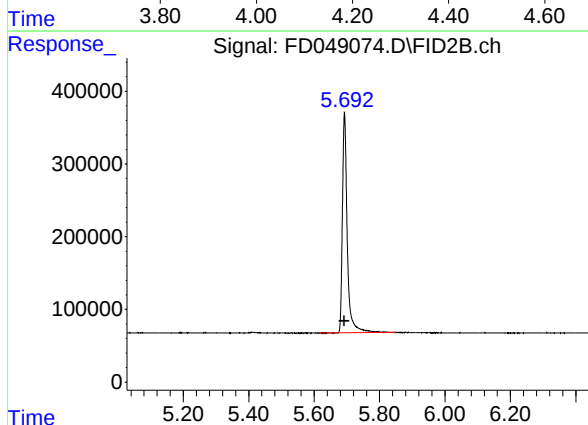




#1 1,2,3-Trimethylbenzene (C10.1)

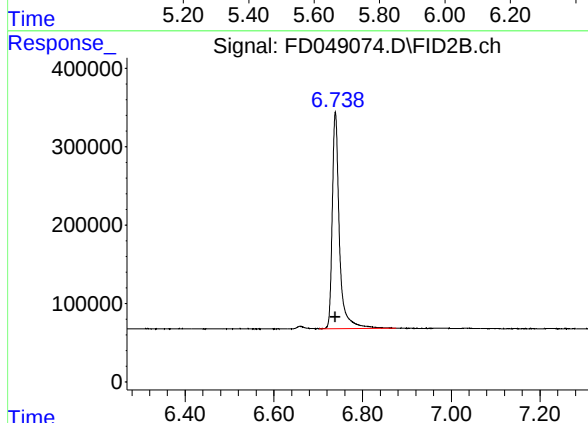
R.T.: 4.176 min
Delta R.T.: 0.000 min
Response: 3122576
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3



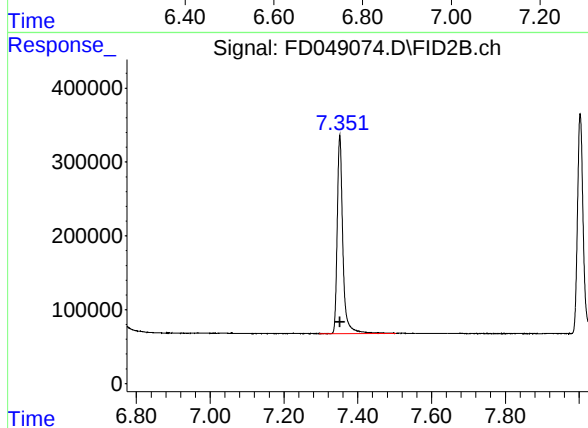
#2 Naphthalene (C11.7)

R.T.: 5.693 min
Delta R.T.: 0.000 min
Response: 3140580
Conc: 20.00 ug/ml



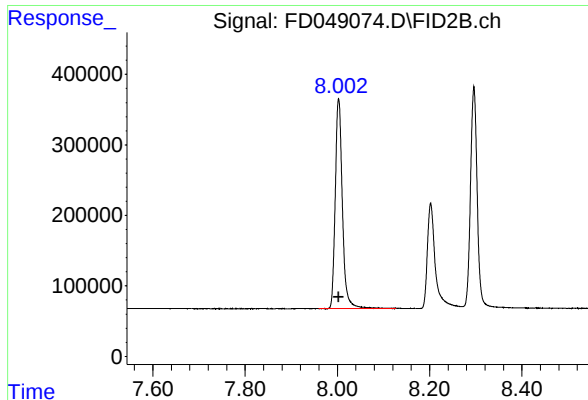
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.739 min
Delta R.T.: 0.000 min
Response: 3103501
Conc: 20.00 ug/ml



#4 2-Bromonaphthalene (SURR)

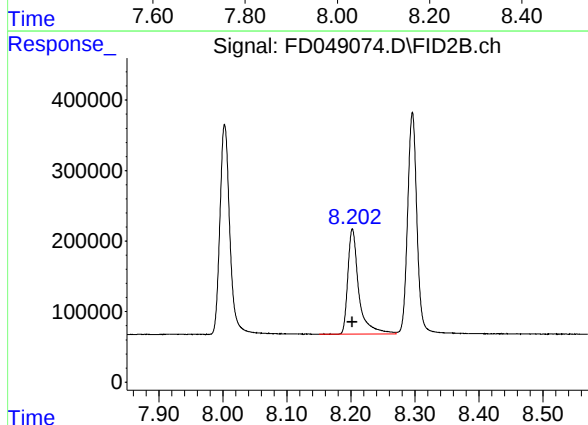
R.T.: 7.351 min
Delta R.T.: 0.000 min
Response: 2836644
Conc: 20.00 ug/ml



#5 Acenaphthylene (C15.06)

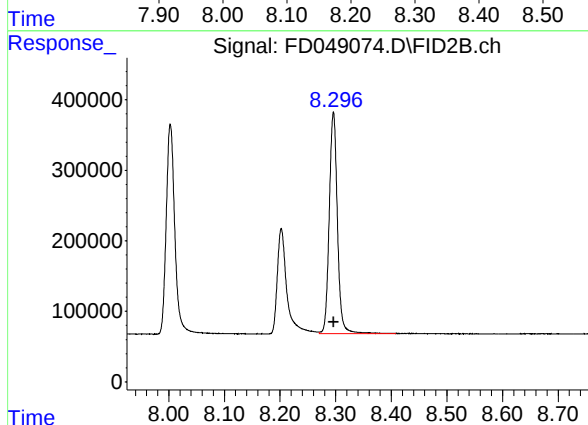
R.T.: 8.003 min
Delta R.T.: 0.000 min
Response: 3196723
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3



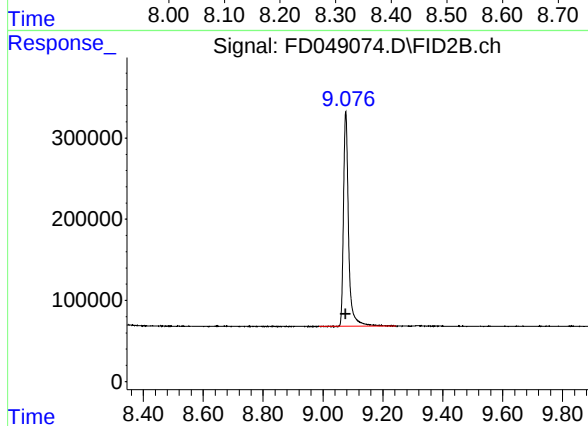
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.202 min
Delta R.T.: 0.000 min
Response: 1780140
Conc: 20.00 ug/ml



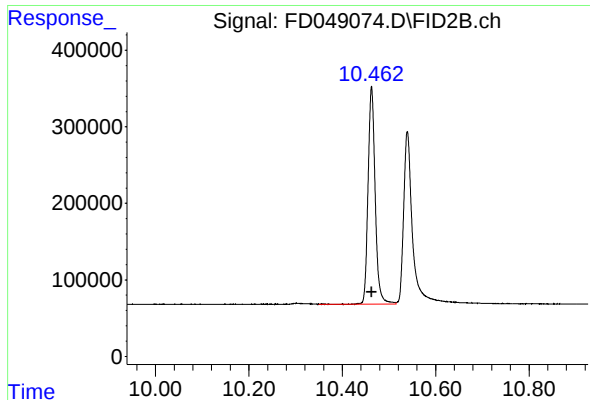
#7 Acenaphthene (C15.5)

R.T.: 8.296 min
Delta R.T.: 0.000 min
Response: 3207497
Conc: 20.00 ug/ml



#8 Flouorene (C16.55)

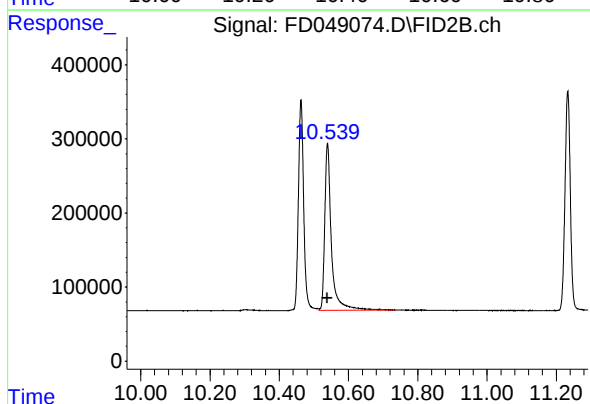
R.T.: 9.076 min
Delta R.T.: 0.000 min
Response: 3127465
Conc: 20.00 ug/ml



#9 Phenanthrene (C19.36)

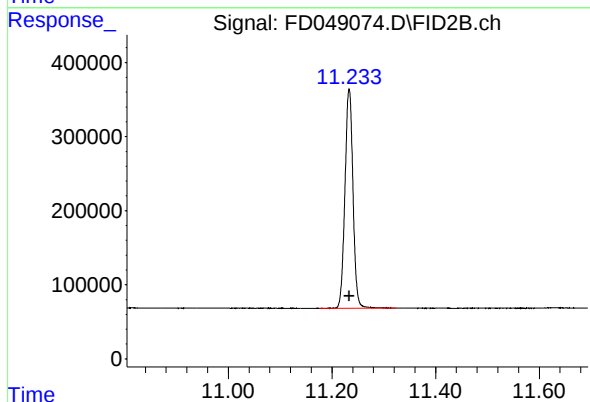
R.T.: 10.463 min
Delta R.T.: 0.000 min
Response: 2993262
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3



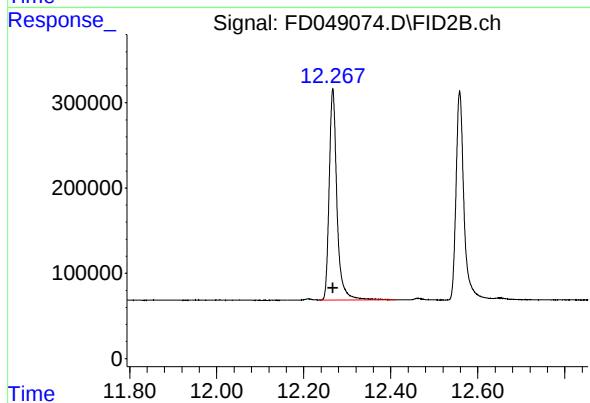
#10 Anthracene (C19.43)

R.T.: 10.540 min
Delta R.T.: 0.000 min
Response: 3009407
Conc: 20.00 ug/ml



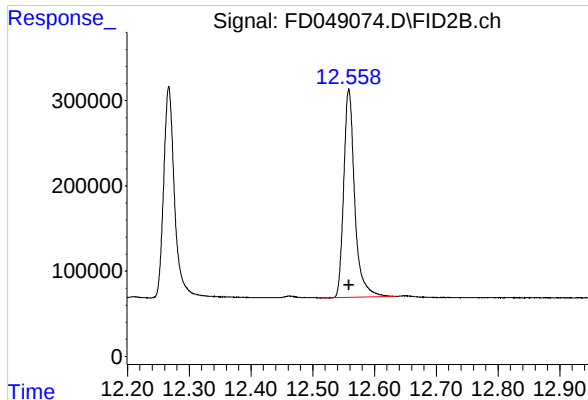
#11 ortho-Terphenyl (SURR)

R.T.: 11.233 min
Delta R.T.: 0.000 min
Response: 3179603
Conc: 20.00 ug/ml



#12 Fluoranthene (C21.85)

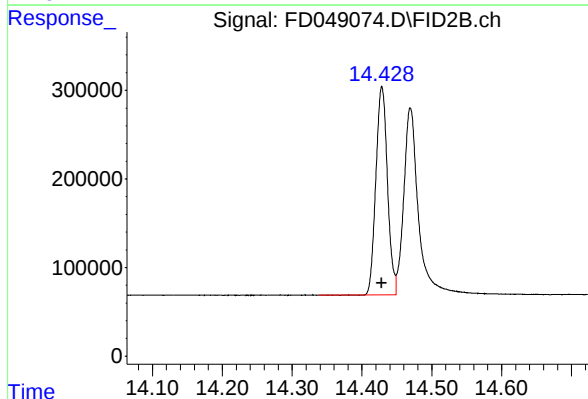
R.T.: 12.267 min
Delta R.T.: 0.000 min
Response: 3071055
Conc: 20.00 ug/ml



#13 Pyrene (C20.8)

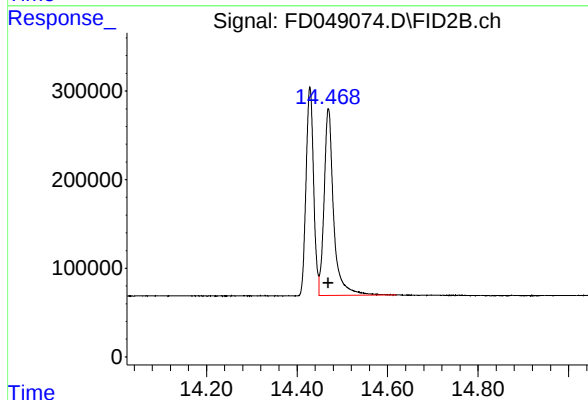
R.T.: 12.558 min
Delta R.T.: 0.000 min
Response: 3015302
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3



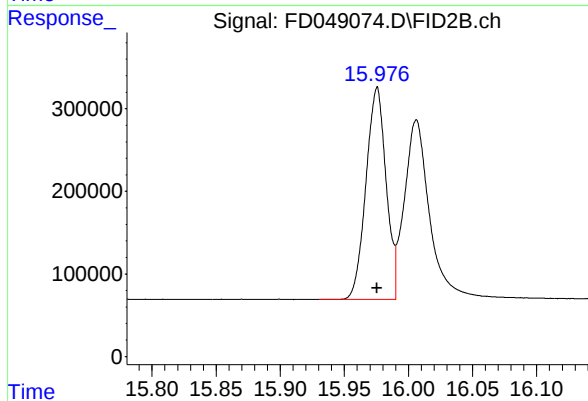
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.429 min
Delta R.T.: 0.000 min
Response: 2705035
Conc: 20.00 ug/ml



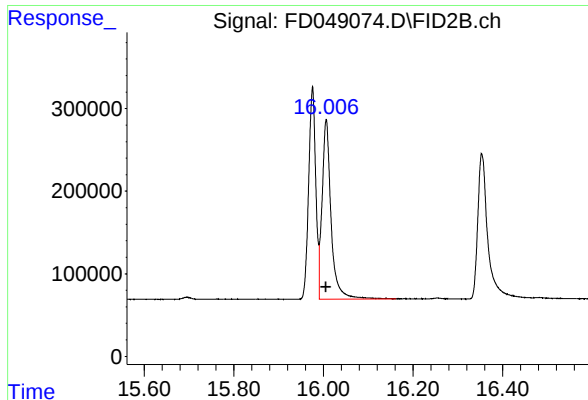
#15 Chrysene (C27.41)

R.T.: 14.469 min
Delta R.T.: 0.000 min
Response: 3106970
Conc: 20.00 ug/ml



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

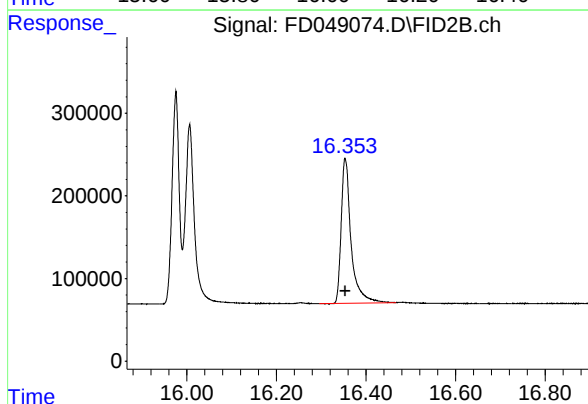
R.T.: 15.976 min
Delta R.T.: 0.000 min
Response: 2807258
Conc: 20.00 ug/ml



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

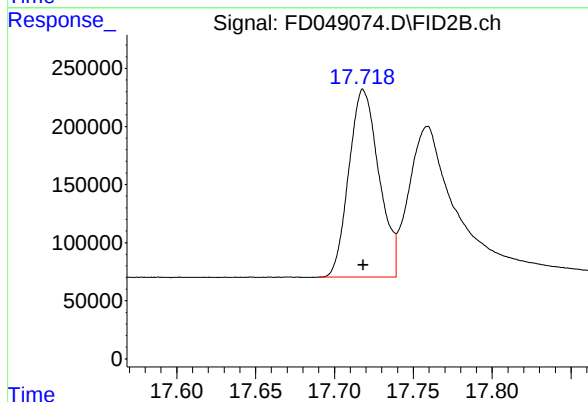
R.T.: 16.006 min
Delta R.T.: 0.000 min
Response: 3041925
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3



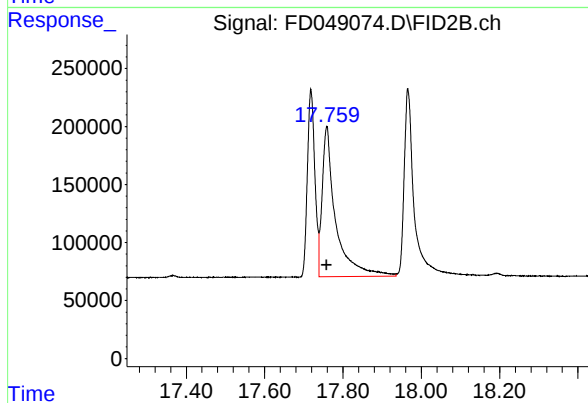
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.354 min
Delta R.T.: 0.000 min
Response: 2685830
Conc: 20.00 ug/ml



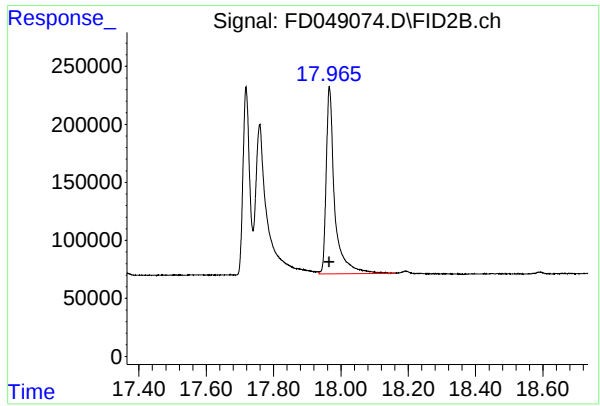
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.718 min
Delta R.T.: 0.000 min
Response: 2142662
Conc: 20.00 ug/ml



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

R.T.: 17.759 min
Delta R.T.: 0.000 min
Response: 3107681
Conc: 20.00 ug/ml



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

R.T.: 17.966 min
Delta R.T.: 0.000 min
Response: 2831461
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\FD021125AR\
Data File : FD049074.D
Signal(s) : FID2B.ch
Acq On : 10 Feb 2025 14:35
Sample : 20 PPM AROMATIC HC STD3
Misc :
ALS Vial : 64 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 021125.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	4.176	4.130	4.290	BB	341507	3122576	97.35%	5.101%
2	5.693	5.615	5.850	BB	302052	3140580	97.91%	5.131%
3	6.739	6.702	6.875	PV	276834	3103501	96.76%	5.070%
4	7.351	7.295	7.504	BB	268948	2836644	88.44%	4.634%
5	8.003	7.960	8.127	BB	296889	3196723	99.66%	5.222%
6	8.202	8.150	8.270	BV	149509	1780140	55.50%	2.908%
7	8.296	8.270	8.409	VB	315086	3207497	100.00%	5.240%
8	9.076	8.987	9.244	BB	264582	3127465	97.50%	5.109%
9	10.463	10.350	10.515	BV	283529	2993262	93.32%	4.890%
10	10.540	10.515	10.737	VB	225555	3009407	93.82%	4.916%
11	11.233	11.175	11.324	BB	295969	3179603	99.13%	5.194%
12	12.267	12.235	12.412	PB	247743	3071055	95.75%	5.017%
13	12.558	12.510	12.635	PV	244074	3015302	94.01%	4.926%
14	14.429	14.339	14.449	BV	235372	2705035	84.33%	4.419%
15	14.469	14.449	14.619	VB	210710	3106970	96.87%	5.076%
16	15.976	15.930	15.990	BV	256347	2807258	87.52%	4.586%
17	16.006	15.990	16.162	VB	217937	3041925	94.84%	4.969%
18	16.354	16.295	16.467	BV	175364	2685830	83.74%	4.388%
19	17.718	17.690	17.739	BV	161338	2142662	66.80%	3.500%
20	17.759	17.739	17.935	VV	129645	3107681	96.89%	5.077%
21	17.966	17.935	18.164	VV	161614	2831461	88.28%	4.626%
Sum of corrected areas:							61212576	

Aromatic EPH 021125.M Tue Feb 11 00:33:40 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD021125AR\
 Data File : FD049075.D
 Signal(s) : FID2B.ch
 Acq On : 10 Feb 2025 15:12
 Operator : YP/AJ
 Sample : 10 PPM AROMATIC HC STD4
 Misc :
 ALS Vial : 65 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 10 PPM AROMATIC HC STD4

Integration File: autoint1.e
 Quant Time: Feb 10 15:56:48 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 021125.M
 Quant Title : GC Extractables
 QLast Update : Mon Feb 10 15:56:39 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...	7.353	1471043	10.492 ug/ml
Spiked Amount 50.000		Recovery =	20.98%
6) S 2-Fluorobiphenyl (SURR)	8.207	875829	9.805 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	19.61%
11) S ortho-Terphenyl (SURR)	11.234	1694149	10.763 ug/ml
Spiked Amount 50.000		Recovery =	21.53%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.177	1656548	10.685 ug/ml
2) T Naphthalene (C11.7)	5.695	1661529	10.548 ug/ml
3) T 2-Methylnaphthalene (...)	6.741	1621317	10.517 ug/ml
5) T Acenaphthylene (C15.06)	8.005	1694814	10.673 ug/ml
7) T Acenaphthene (C15.5)	8.297	1725833	10.888 ug/ml
8) T Fluorene (C16.55)	9.079	1621856	10.458 ug/ml
9) T Phenanthrene (C19.36)	10.465	1539045	10.316 ug/ml
10) T Anthracene (C19.43)	10.542	1567931	10.490 ug/ml
12) T Fluoranthene (C21.85)	12.271	1592182	10.481 ug/ml
13) T Pyrene (C20.8)	12.562	1566919	10.430 ug/ml
14) T Benzo[a]anthracene (C...	14.431	1271690	9.418 ug/ml
15) T Chrysene (C27.41)	14.471	1725375	11.239 ug/ml
16) T benzo[b]fluoranthene ...	15.977	1376748	9.922 ug/ml
17) T Bnezo[k]fluoranthene ...	16.009	1686985	11.222 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.362	1358701	10.188 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.728	1005197	8.910 ug/ml
20) T Dibenz[a,h]anthracene...	17.771	1692264	11.355 ug/ml
21) T Benzo[g,h,i]perylene ...	17.973	1516030	10.775 ug/ml

(f)=RT Delta > 1/2 Window

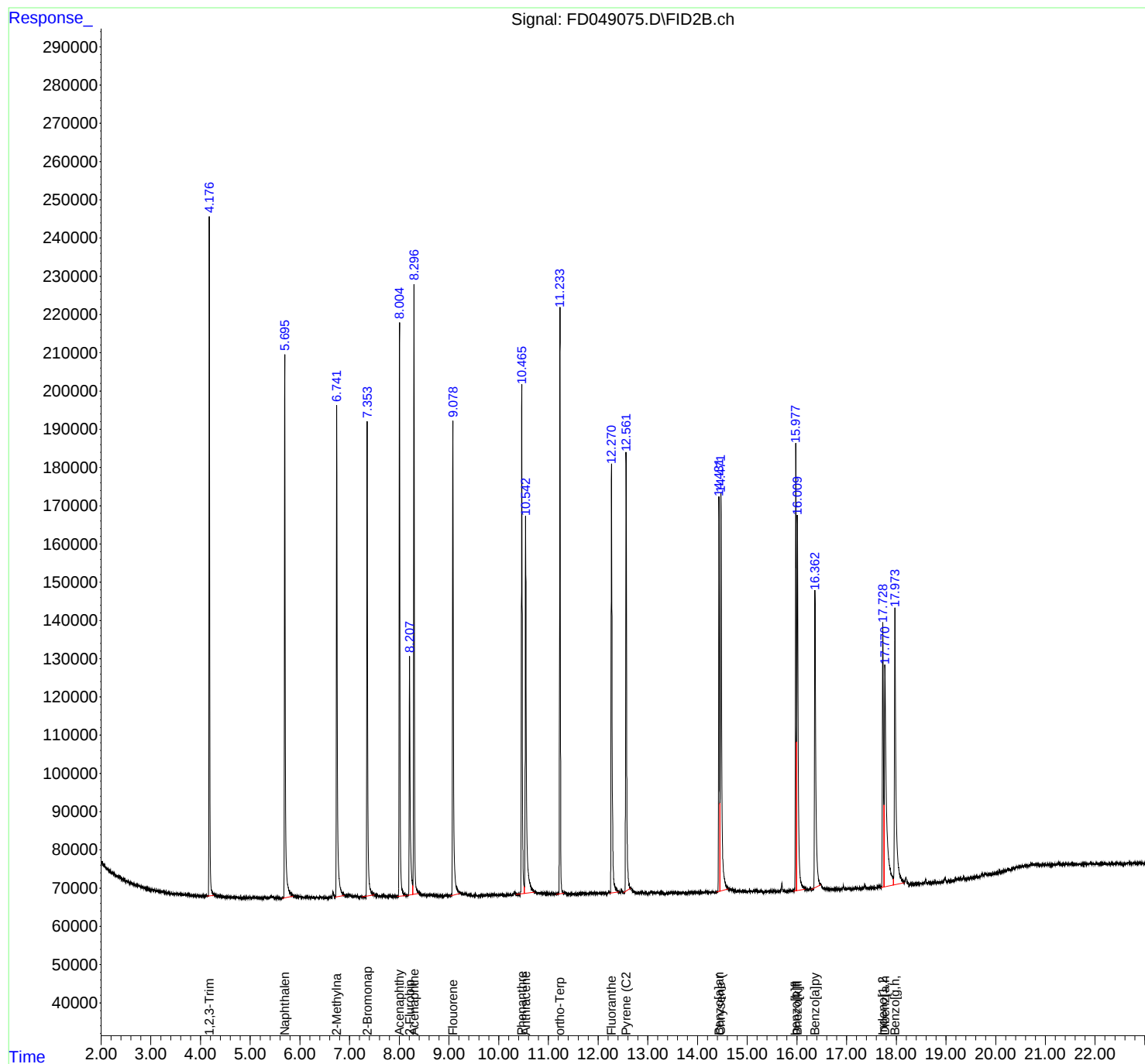
(m)=manual int.

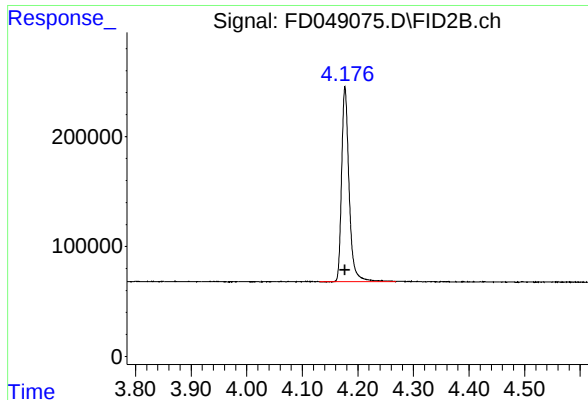
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD021125AR\
Data File : FD049075.D
Signal(s) : FID2B.ch
Acq On : 10 Feb 2025 15:12
Operator : YP/AJ
Sample : 10 PPM AROMATIC HC STD4
Misc :
ALS Vial : 65 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4

Integration File: autoint1.e
Quant Time: Feb 10 15:56:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 021125.M
Quant Title : GC Extractables
QLast Update : Mon Feb 10 15:56:39 2025
Response via : Initial Calibration
Integrator: ChemStation

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

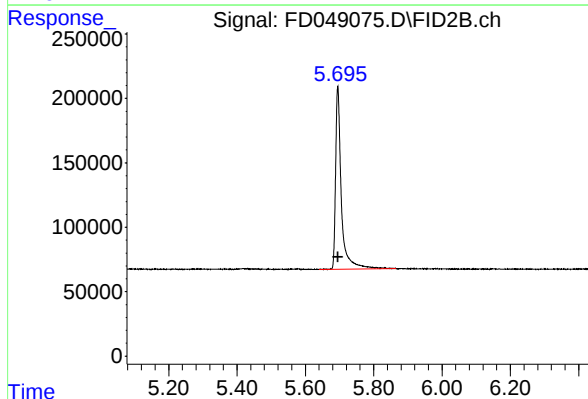




#1 1,2,3-Trimethylbenzene (C10.1)

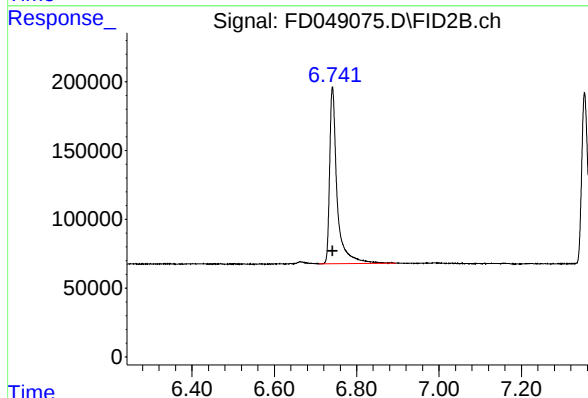
R.T.: 4.177 min
Delta R.T.: 0.000 min
Response: 1656548
Conc: 10.69 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4



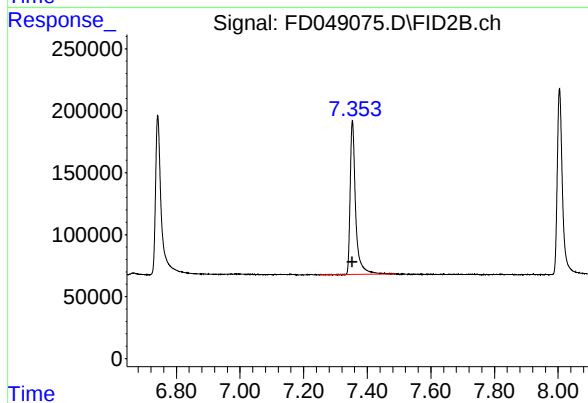
#2 Naphthalene (C11.7)

R.T.: 5.695 min
Delta R.T.: 0.000 min
Response: 1661529
Conc: 10.55 ug/ml



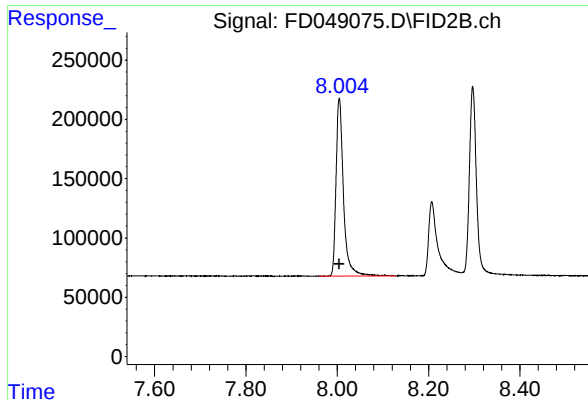
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.741 min
Delta R.T.: 0.000 min
Response: 1621317
Conc: 10.52 ug/ml



#4 2-Bromonaphthalene (SURR)

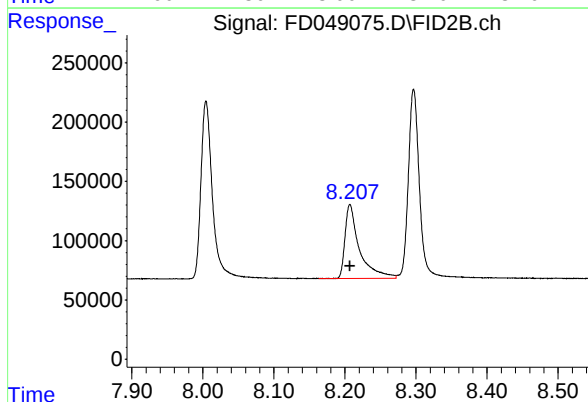
R.T.: 7.353 min
Delta R.T.: 0.000 min
Response: 1471043
Conc: 10.49 ug/ml



#5 Acenaphthylene (C15.06)

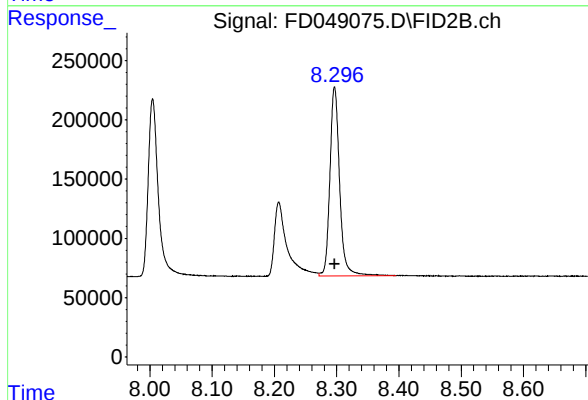
R.T.: 8.005 min
Delta R.T.: 0.000 min
Response: 1694814
Conc: 10.67 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4



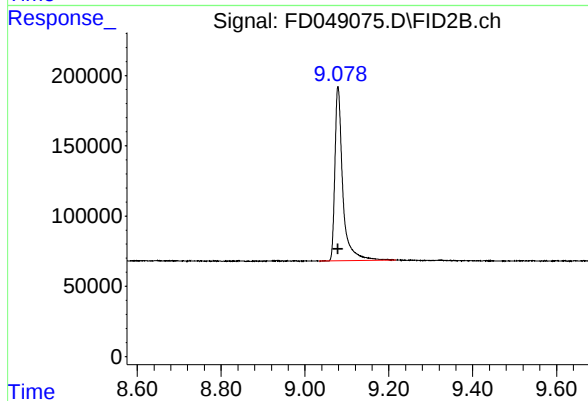
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.207 min
Delta R.T.: 0.000 min
Response: 875829
Conc: 9.81 ug/ml



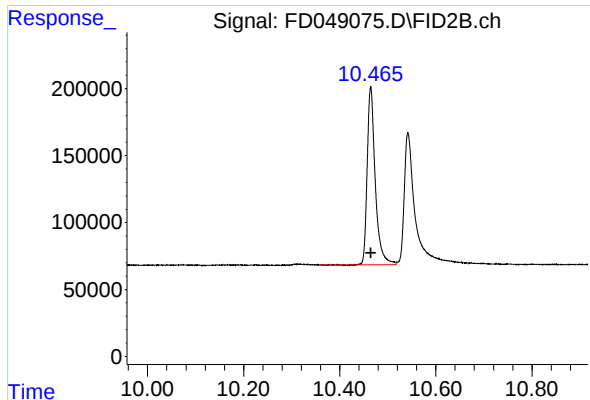
#7 Acenaphthene (C15.5)

R.T.: 8.297 min
Delta R.T.: 0.000 min
Response: 1725833
Conc: 10.89 ug/ml



#8 Flouorene (C16.55)

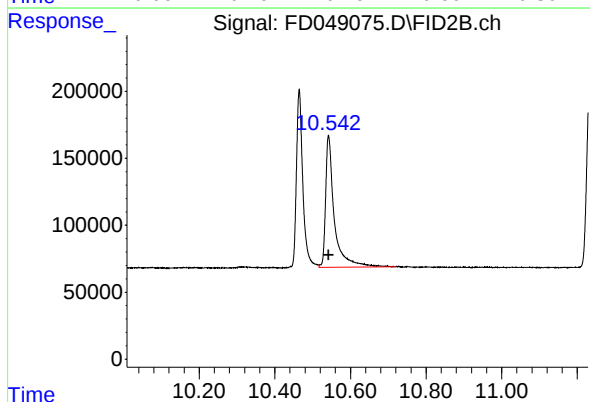
R.T.: 9.079 min
Delta R.T.: 0.000 min
Response: 1621856
Conc: 10.46 ug/ml



#9 Phenanthrene (C19.36)

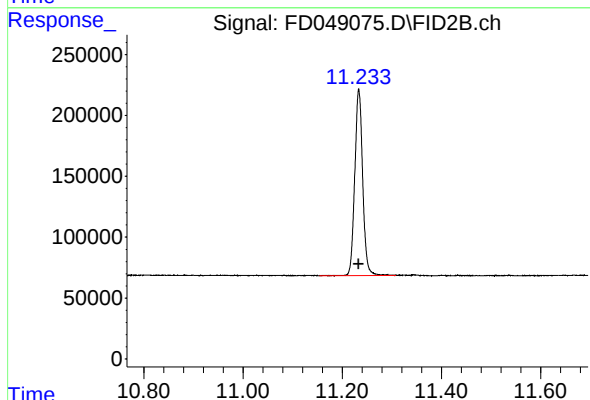
R.T.: 10.465 min
Delta R.T.: 0.000 min
Response: 1539045
Conc: 10.32 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4



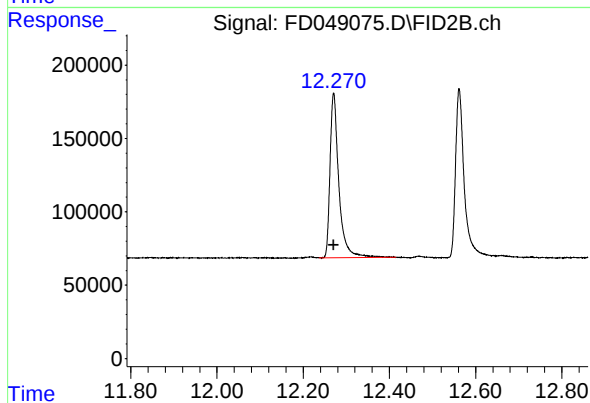
#10 Anthracene (C19.43)

R.T.: 10.542 min
Delta R.T.: 0.000 min
Response: 1567931
Conc: 10.49 ug/ml



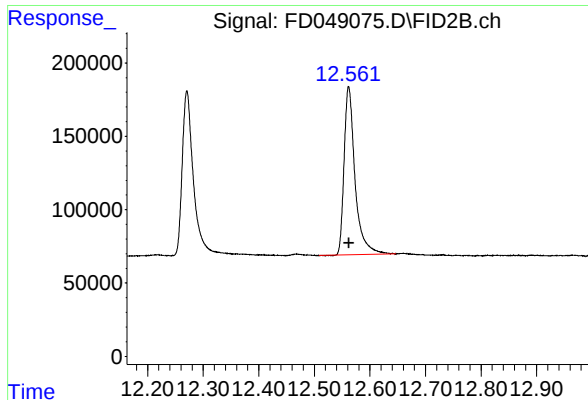
#11 ortho-Terphenyl (SURRE)

R.T.: 11.234 min
Delta R.T.: 0.000 min
Response: 1694149
Conc: 10.76 ug/ml



#12 Fluoranthene (C21.85)

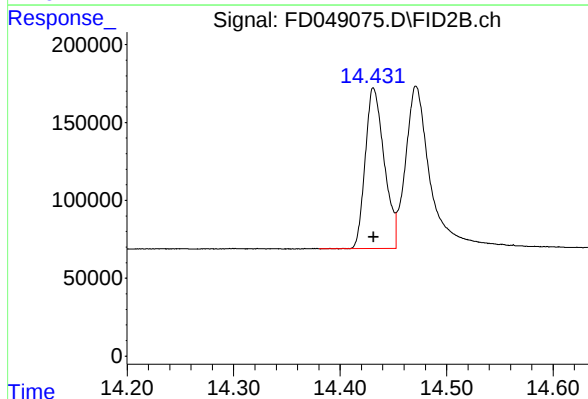
R.T.: 12.271 min
Delta R.T.: 0.000 min
Response: 1592182
Conc: 10.48 ug/ml



#13 Pyrene (C20.8)

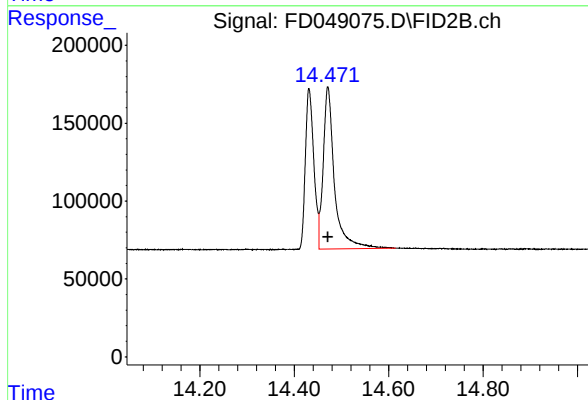
R.T.: 12.562 min
Delta R.T.: 0.000 min
Response: 1566919
Conc: 10.43 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4



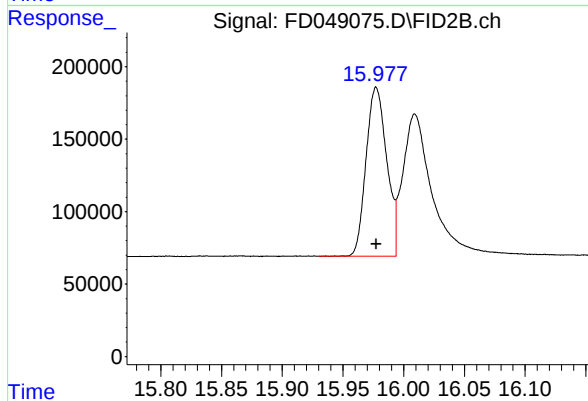
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.431 min
Delta R.T.: 0.000 min
Response: 1271690
Conc: 9.42 ug/ml



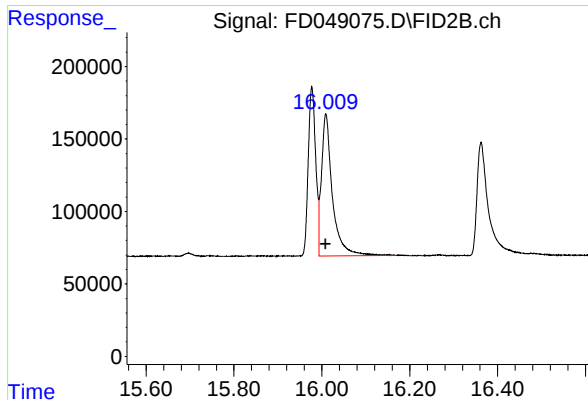
#15 Chrysene (C27.41)

R.T.: 14.471 min
Delta R.T.: 0.000 min
Response: 1725375
Conc: 11.24 ug/ml



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

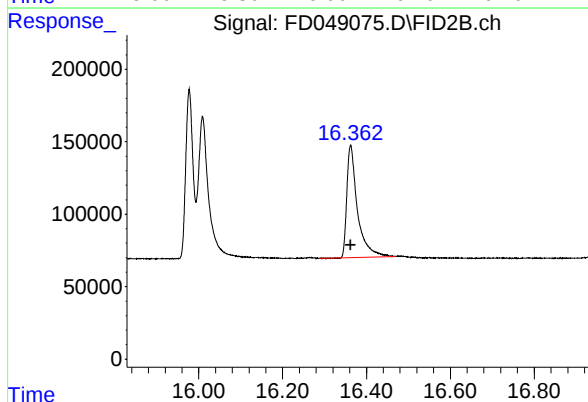
R.T.: 15.977 min
Delta R.T.: 0.000 min
Response: 1376748
Conc: 9.92 ug/ml



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

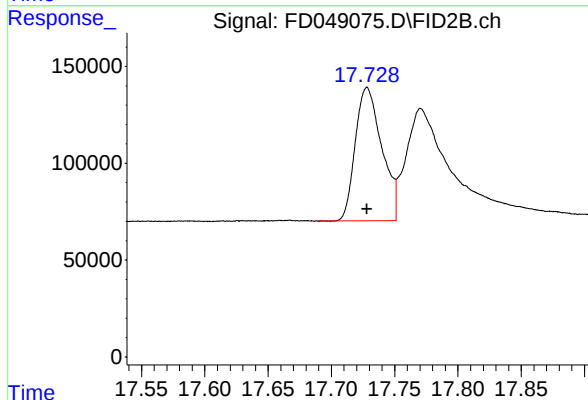
R.T.: 16.009 min
Delta R.T.: 0.000 min
Response: 1686985
Conc: 11.22 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4



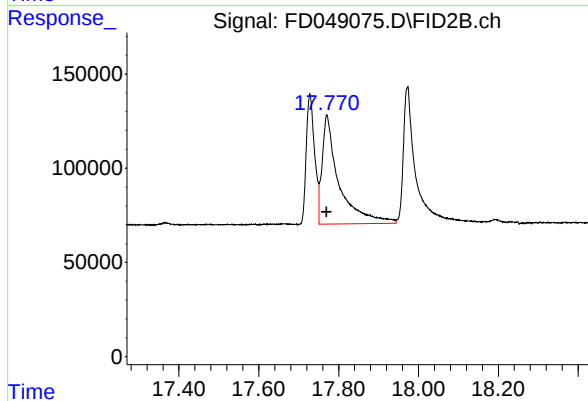
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.362 min
Delta R.T.: 0.000 min
Response: 1358701
Conc: 10.19 ug/ml



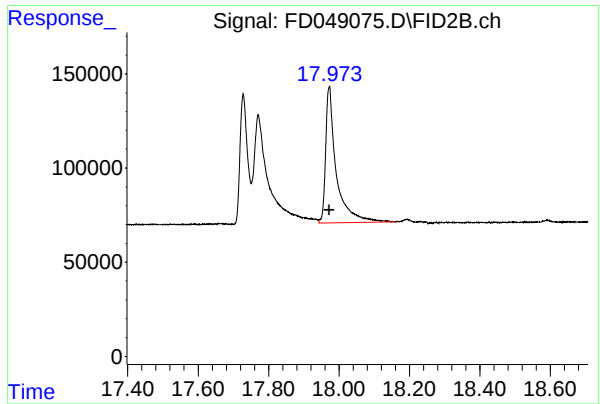
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.728 min
Delta R.T.: 0.000 min
Response: 1005197
Conc: 8.91 ug/ml



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

R.T.: 17.771 min
Delta R.T.: 0.000 min
Response: 1692264
Conc: 11.35 ug/ml



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

R.T.: 17.973 min
Delta R.T.: 0.000 min
Response: 1516030
Conc: 10.78 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD021125AR\
Data File : FD049075.D
Signal(s) : FID2B.ch
Acq On : 10 Feb 2025 15:12
Sample : 10 PPM AROMATIC HC STD4
Misc :
ALS Vial : 65 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 021125.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	4.177	4.130	4.269	BV	177205	1656548	95.99%	5.189%
2	5.695	5.640	5.865	BB	141933	1661529	96.27%	5.205%
3	6.741	6.709	6.895	BB	128539	1621317	93.94%	5.079%
4	7.353	7.249	7.490	BB	124068	1471043	85.24%	4.608%
5	8.005	7.960	8.129	BB	150103	1694814	98.20%	5.309%
6	8.207	8.164	8.272	BV	62427	875829	50.75%	2.744%
7	8.297	8.272	8.395	VB	159429	1725833	100.00%	5.406%
8	9.079	9.034	9.217	BB	124112	1621856	93.98%	5.081%
9	10.465	10.357	10.517	BV	133260	1539045	89.18%	4.821%
10	10.542	10.517	10.720	VB	98455	1567931	90.85%	4.912%
11	11.234	11.154	11.309	BB	153221	1694149	98.16%	5.307%
12	12.271	12.237	12.415	BB	112182	1592182	92.26%	4.988%
13	12.562	12.509	12.647	BV	114740	1566919	90.79%	4.909%
14	14.431	14.380	14.452	BV	102861	1271690	73.69%	3.984%
15	14.471	14.452	14.615	VB	104040	1725375	99.97%	5.405%
16	15.977	15.930	15.994	BV	116644	1376748	79.77%	4.313%
17	16.009	15.994	16.169	VB	98055	1686985	97.75%	5.285%
18	16.362	16.287	16.470	BV	77646	1358701	78.73%	4.256%
19	17.728	17.690	17.751	BV	69162	1005197	58.24%	3.149%
20	17.771	17.751	17.944	VV	57989	1692264	98.05%	5.301%
21	17.973	17.944	18.162	VV	72731	1516030	87.84%	4.749%
Sum of corrected areas:							31921984	

Aromatic EPH 021125.M Tue Feb 11 00:33:53 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD021125AR\
 Data File : FD049076.D
 Signal(s) : FID2B.ch
 Acq On : 10 Feb 2025 15:48
 Operator : YP/AJ
 Sample : 5 PPM AROMATIC HC STD5
 Misc :
 ALS Vial : 66 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 5 PPM AROMATIC HC STD5

Integration File: autoint1.e
 Quant Time: Feb 10 16:26:29 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 021125.M
 Quant Title : GC Extractables
 QLast Update : Mon Feb 10 16:26:18 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...	7.358	773691	5.406 ug/ml
Spiked Amount 50.000		Recovery =	10.81%
6) S 2-Fluorobiphenyl (SURR)	8.218	411369	4.679 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	9.36%
11) S ortho-Terphenyl (SURR)	11.234	896262	5.540 ug/ml
Spiked Amount 50.000		Recovery =	11.08%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.178	880662	5.530 ug/ml
2) T Naphthalene (C11.7)	5.699	819370	5.160 ug/ml
3) T 2-Methylnaphthalene (...)	6.746	809055	5.196 ug/ml
5) T Acenaphthylene (C15.06)	8.007	889357	5.469 ug/ml
7) T Acenaphthene (C15.5)	8.298	942609	5.730 ug/ml
8) T Fluorene (C16.55)	9.085	839593	5.326 ug/ml
9) T Phenanthrene (C19.36)	10.472	783663	5.200 ug/ml
10) T Anthracene (C19.43)	10.552	786469	5.207 ug/ml
12) T Fluoranthene (C21.85)	12.279	819618	5.311 ug/ml
13) T Pyrene (C20.8)	12.567	846750	5.496 ug/ml
14) T Benzo[a]anthracene (C...	14.443	584303	4.447 ug/ml
15) T Chrysene (C27.41)	14.479	971932	6.011 ug/ml
16) T benzo[b]fluoranthene ...	15.986	664702	4.831 ug/ml
17) T Bnezo[k]fluoranthene ...	16.019	942068	5.965 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.376	726171	5.350 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.745	475672	4.353 ug/ml
20) T Dibenz[a,h]anthracene...	17.788	897828	5.787 ug/ml
21) T Benzo[g,h,i]perylene ...	17.982	809816	5.587 ug/ml

(f)=RT Delta > 1/2 Window

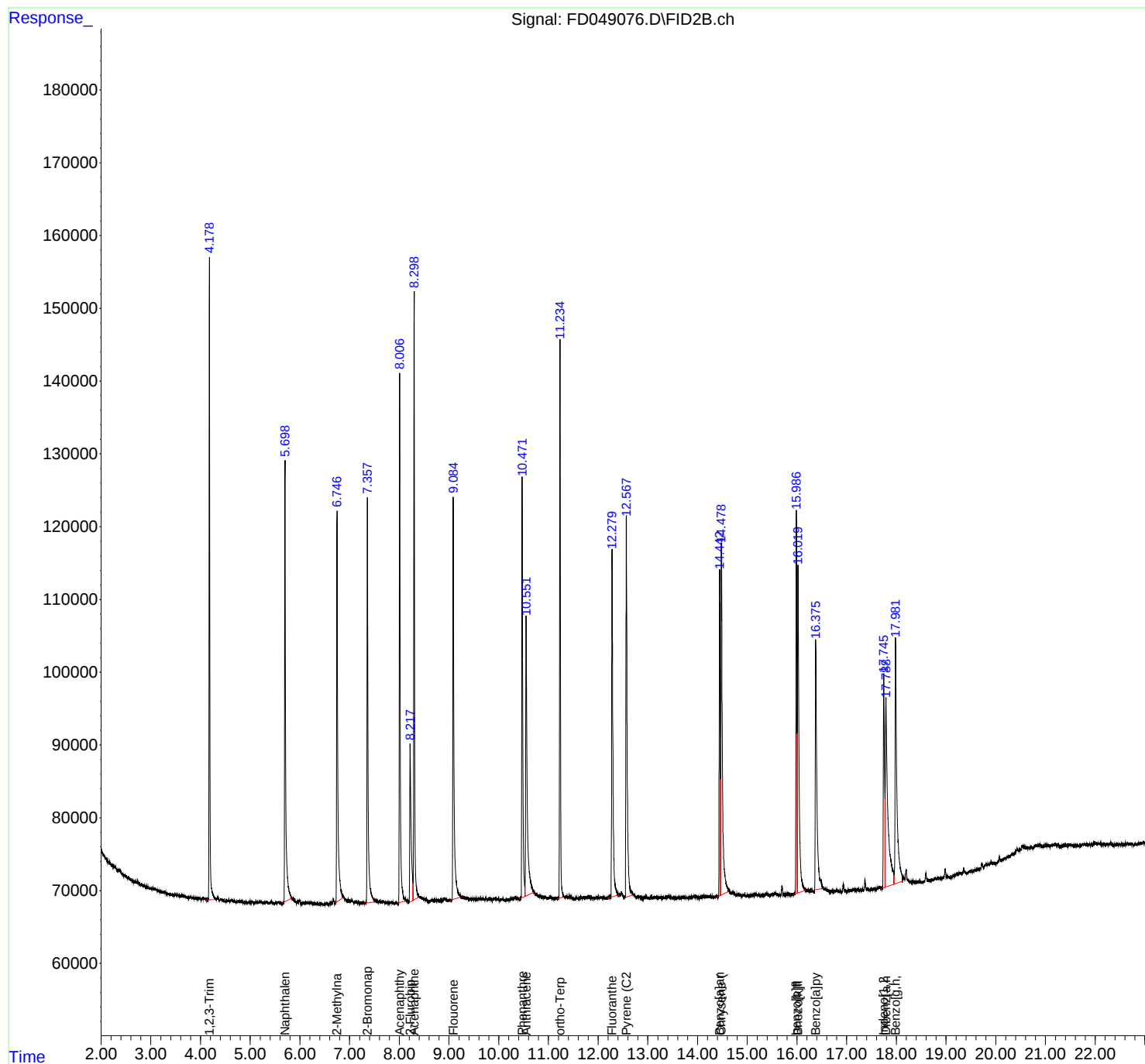
(m)=manual int.

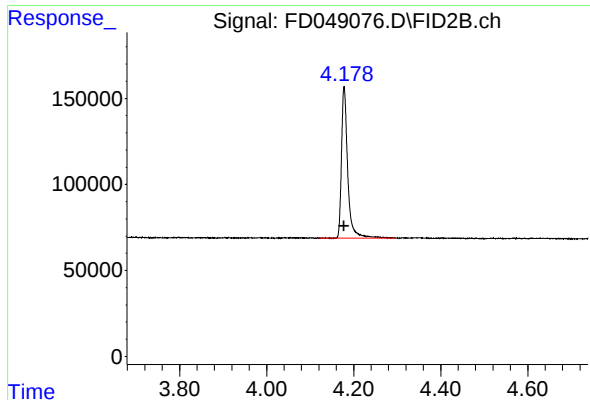
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD021125AR\
Data File : FD049076.D
Signal(s) : FID2B.ch
Acq On : 10 Feb 2025 15:48
Operator : YP/AJ
Sample : 5 PPM AROMATIC HC STD5
Misc :
ALS Vial : 66 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5

Integration File: autoint1.e
Quant Time: Feb 10 16:26:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 021125.M
Quant Title : GC Extractables
QLast Update : Mon Feb 10 16:26:18 2025
Response via : Initial Calibration
Integrator: ChemStation

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

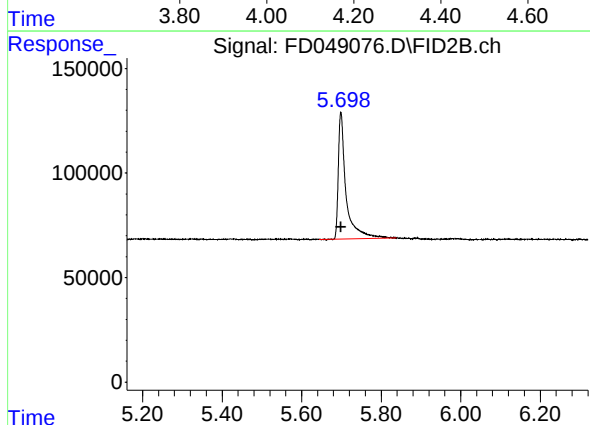




#1 1,2,3-Trimethylbenzene (C10.1)

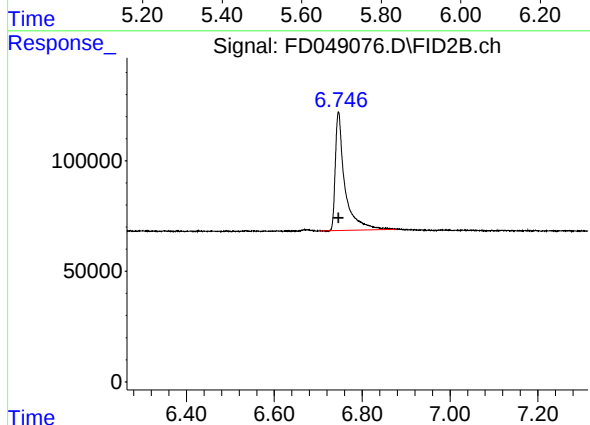
R.T.: 4.178 min
Delta R.T.: 0.000 min
Response: 880662
Conc: 5.53 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5



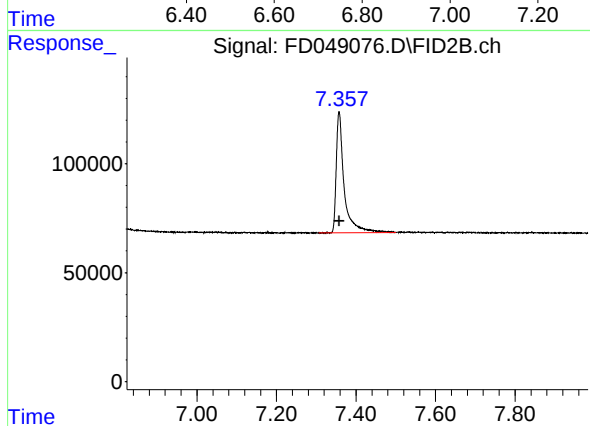
#2 Naphthalene (C11.7)

R.T.: 5.699 min
Delta R.T.: 0.000 min
Response: 819370
Conc: 5.16 ug/ml



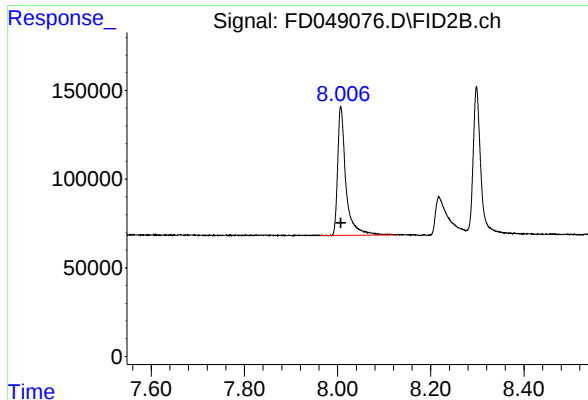
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.746 min
Delta R.T.: 0.000 min
Response: 809055
Conc: 5.20 ug/ml



#4 2-Bromonaphthalene (SURR)

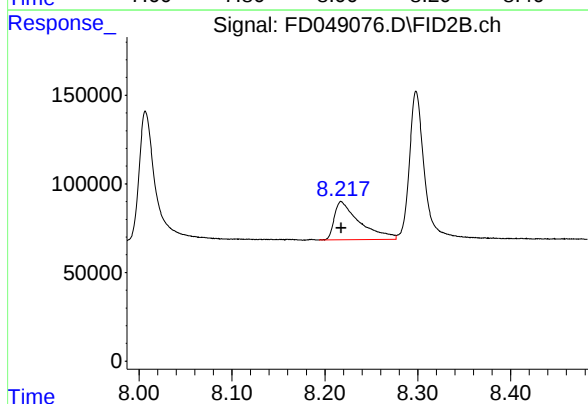
R.T.: 7.358 min
Delta R.T.: 0.000 min
Response: 773691
Conc: 5.41 ug/ml



#5 Acenaphthylene (C15.06)

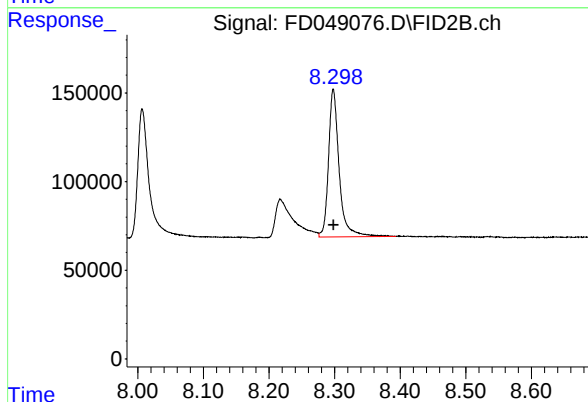
R.T.: 8.007 min
Delta R.T.: 0.000 min
Response: 889357
Conc: 5.47 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5



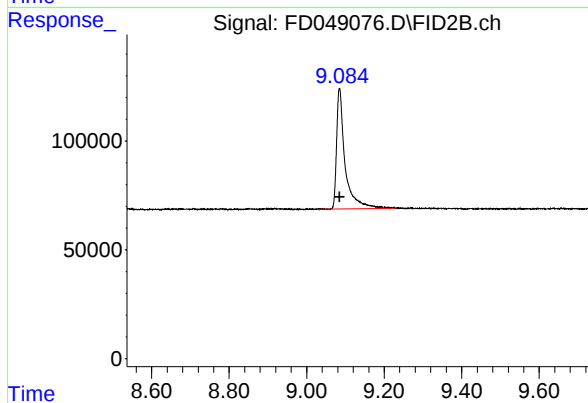
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.218 min
Delta R.T.: 0.000 min
Response: 411369
Conc: 4.68 ug/ml



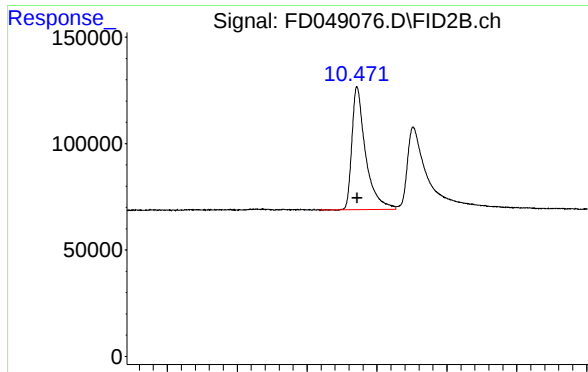
#7 Acenaphthene (C15.5)

R.T.: 8.298 min
Delta R.T.: 0.000 min
Response: 942609
Conc: 5.73 ug/ml



#8 Fluorene (C16.55)

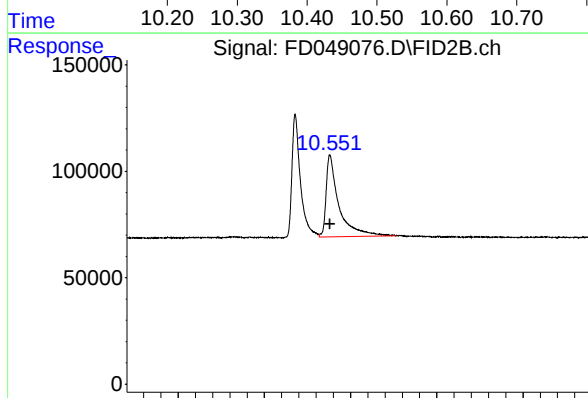
R.T.: 9.085 min
Delta R.T.: 0.000 min
Response: 839593
Conc: 5.33 ug/ml



#9 Phenanthrene (C19.36)

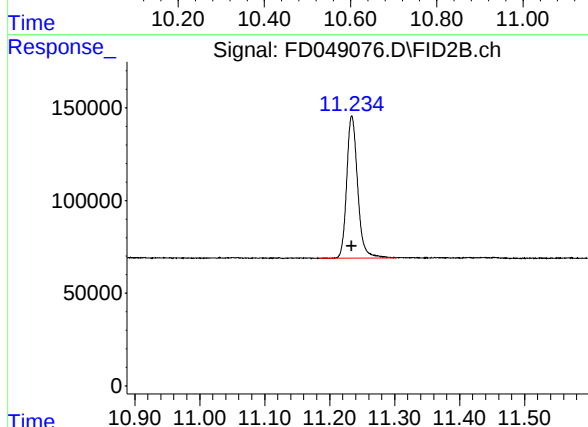
R.T.: 10.472 min
Delta R.T.: 0.000 min
Response: 783663
Conc: 5.20 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5



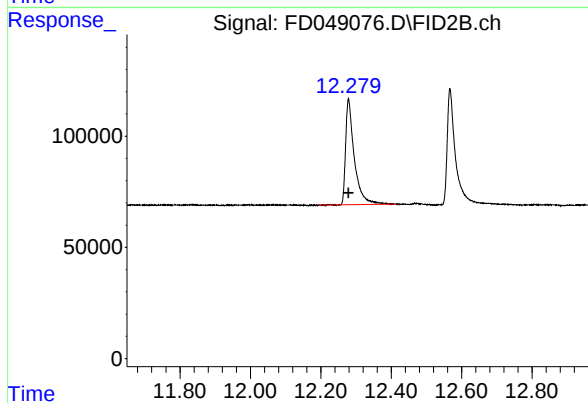
#10 Anthracene (C19.43)

R.T.: 10.552 min
Delta R.T.: 0.000 min
Response: 786469
Conc: 5.21 ug/ml



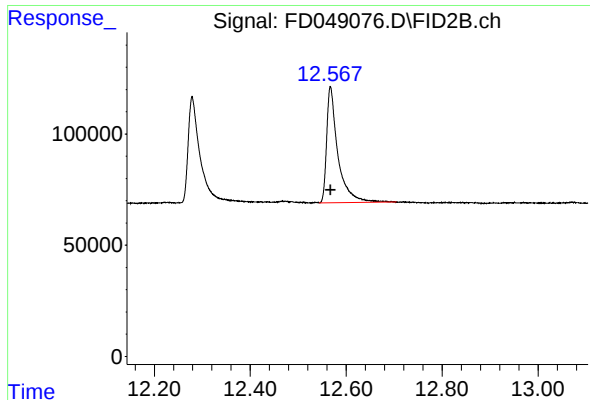
#11 ortho-Terphenyl (SURR)

R.T.: 11.234 min
Delta R.T.: 0.000 min
Response: 896262
Conc: 5.54 ug/ml



#12 Fluoranthene (C21.85)

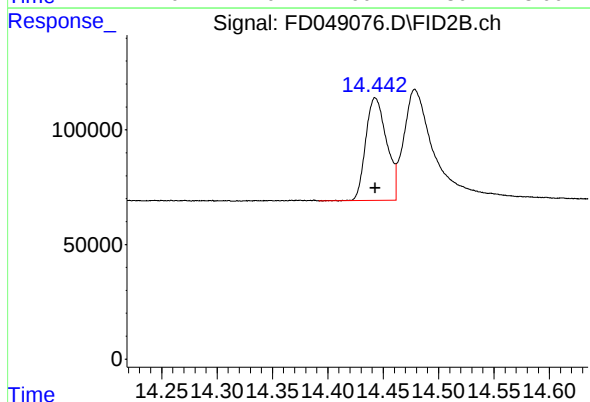
R.T.: 12.279 min
Delta R.T.: 0.000 min
Response: 819618
Conc: 5.31 ug/ml



#13 Pyrene (C20.8)

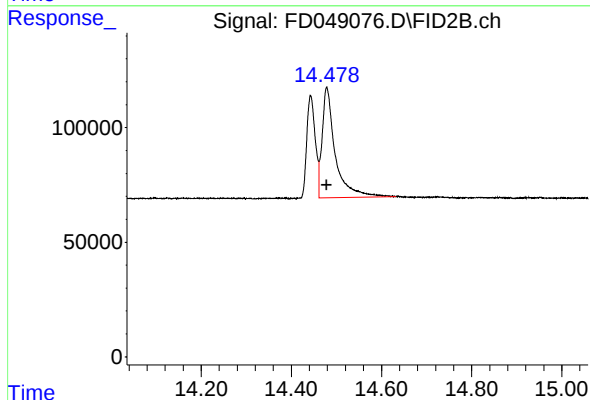
R.T.: 12.567 min
Delta R.T.: 0.000 min
Response: 846750
Conc: 5.50 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5



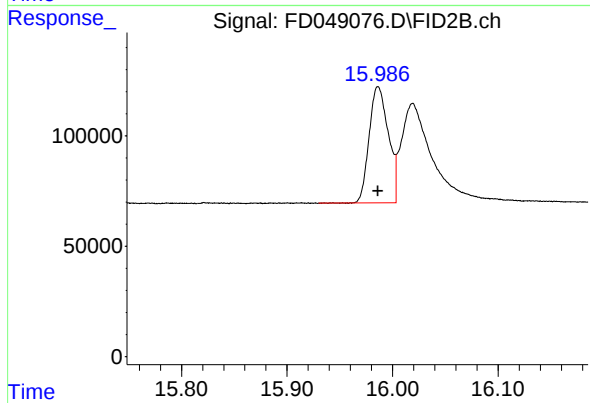
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.443 min
Delta R.T.: 0.000 min
Response: 584303
Conc: 4.45 ug/ml



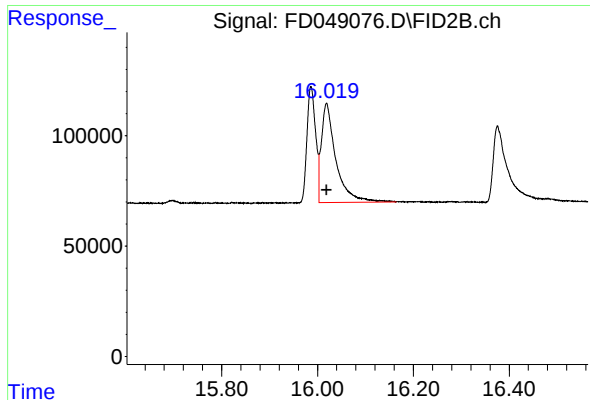
#15 Chrysene (C27.41)

R.T.: 14.479 min
Delta R.T.: 0.000 min
Response: 971932
Conc: 6.01 ug/ml



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

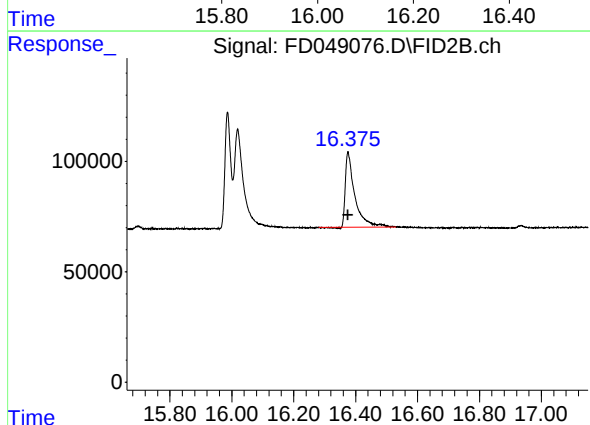
R.T.: 15.986 min
Delta R.T.: 0.000 min
Response: 664702
Conc: 4.83 ug/ml



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

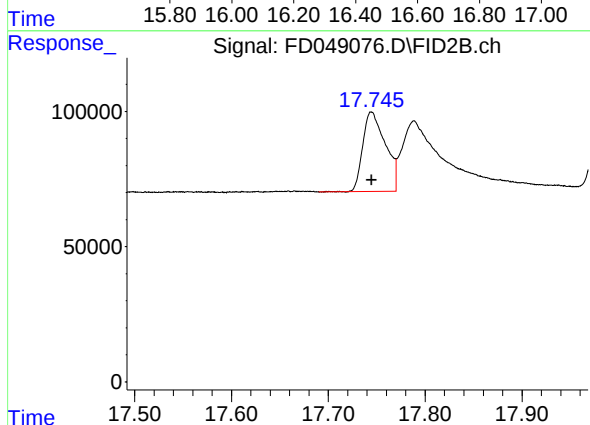
R.T.: 16.019 min
Delta R.T.: 0.000 min
Response: 942068
Conc: 5.96 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5



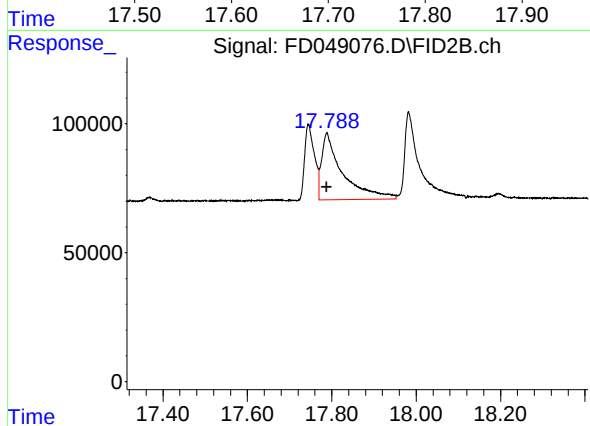
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.376 min
Delta R.T.: 0.000 min
Response: 726171
Conc: 5.35 ug/ml



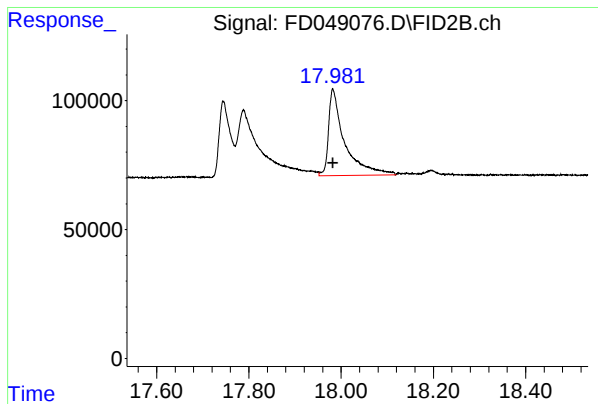
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.745 min
Delta R.T.: 0.000 min
Response: 475672
Conc: 4.35 ug/ml



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

R.T.: 17.788 min
Delta R.T.: 0.000 min
Response: 897828
Conc: 5.79 ug/ml



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

R.T.: 17.982 min
Delta R.T.: 0.000 min
Response: 809816
Conc: 5.59 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD021125AR\
Data File : FD049076.D
Signal(s) : FID2B.ch
Acq On : 10 Feb 2025 15:48
Sample : 5 PPM AROMATIC HC STD5
Misc :
ALS Vial : 66 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 021125.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	4.178	4.120	4.297	BB	88104	880662	90.61%	5.314%
2	5.699	5.644	5.837	BB	60647	819370	84.30%	4.945%
3	6.746	6.702	6.877	BB	53740	809055	83.24%	4.882%
4	7.358	7.307	7.500	BV	55653	773691	79.60%	4.669%
5	8.007	7.960	8.125	BB	72554	889357	91.50%	5.367%
6	8.218	8.194	8.276	PV	21681	411369	42.32%	2.482%
7	8.298	8.276	8.394	VB	83456	942609	96.98%	5.688%
8	9.085	9.032	9.230	BB	55303	839593	86.38%	5.067%
9	10.472	10.417	10.527	BV	57501	783663	80.63%	4.729%
10	10.552	10.527	10.705	VB	38447	786469	80.92%	4.746%
11	11.234	11.184	11.302	BB	76762	896262	92.21%	5.409%
12	12.279	12.195	12.414	BB	47695	819618	84.33%	4.946%
13	12.567	12.543	12.704	PB	52249	846750	87.12%	5.110%
14	14.443	14.392	14.461	BV	44649	584303	60.12%	3.526%
15	14.479	14.461	14.632	VB	48318	971932	100.00%	5.865%
16	15.986	15.930	16.003	BV	52690	664702	68.39%	4.011%
17	16.019	16.003	16.164	VB	44953	942068	96.93%	5.685%
18	16.376	16.282	16.530	BB	34288	726171	74.71%	4.382%
19	17.745	17.690	17.770	BV	29384	475672	48.94%	2.871%
20	17.788	17.770	17.952	VV	26033	897828	92.38%	5.418%
21	17.982	17.952	18.119	VV	33694	809816	83.32%	4.887%
Sum of corrected areas:						16570960		

Aromatic EPH 021125.M Tue Feb 11 00:34:06 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD021125AR\
 Data File : FD049077.D
 Signal(s) : FID2B.ch
 Acq On : 10 Feb 2025 16:24
 Operator : YP/AJ
 Sample : 20 PPM AROMATIC HC STD ICV
 Misc :
 ALS Vial : 67 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 20 PPM AROMATIC HC STD ICV

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 02/11/2025
 Supervised By :Ankita Jodhani 02/11/2025

Integration File: autoint1.e
 Quant Time: Feb 10 18:23:28 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 021125.M
 Quant Title : GC Extractables
 QLast Update : Mon Feb 10 16:27:29 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...	7.352	2822907	19.726 ug/ml
Spiked Amount 50.000		Recovery =	39.45%
6) S 2-Fluorobiphenyl (SURR)	8.203	1781261	20.262 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	40.52%
11) S ortho-Terphenyl (SURR)	11.233	3178458	19.647 ug/ml
Spiked Amount 50.000		Recovery =	39.29%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.176	3134755	19.684 ug/ml
2) T Naphthalene (C11.7)	5.693	3146803	19.818 ug/ml
3) T 2-Methylnaphthalene (...)	6.739	3087751	19.832 ug/ml
5) T Acenaphthylene (C15.06)	8.003	3188327	19.608 ug/ml
7) T Acenaphthene (C15.5)	8.296	3203234	19.472 ug/ml
8) T Fluorene (C16.55)	9.076	3106009	19.702 ug/ml
9) T Phenanthrene (C19.36)	10.462	2995357	19.876 ug/ml
10) T Anthracene (C19.43)	10.539	3001671	19.875 ug/ml
12) T Fluoranthene (C21.85)	12.266	3059686	19.828 ug/ml
13) T Pyrene (C20.8)	12.559	3015618	19.575 ug/ml
14) T Benzo[a]anthracene (C...	14.428	2707067	20.603 ug/ml
15) T Chrysene (C27.41)	14.470	3142097	19.433 ug/ml
16) T benzo[b]fluoranthene ...	15.976	2807062	20.401 ug/ml
17) T Bnezo[k]fluoranthene ...	16.007	3031459	19.193 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.354	2694826	19.853 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.718	2162922	19.793 ug/mlm
20) T Dibenz[a,h]anthracene...	17.759	3098291	19.971 ug/ml
21) T Benzo[g,h,i]perylene ...	17.967	2849147	19.656 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD021125AR\
Data File : FD049077.D
Signal(s) : FID2B.ch
Acq On : 10 Feb 2025 16:24
Operator : YP/AJ
Sample : 20 PPM AROMATIC HC STD ICV
Misc :
ALS Vial : 67 Sample Multiplier: 1

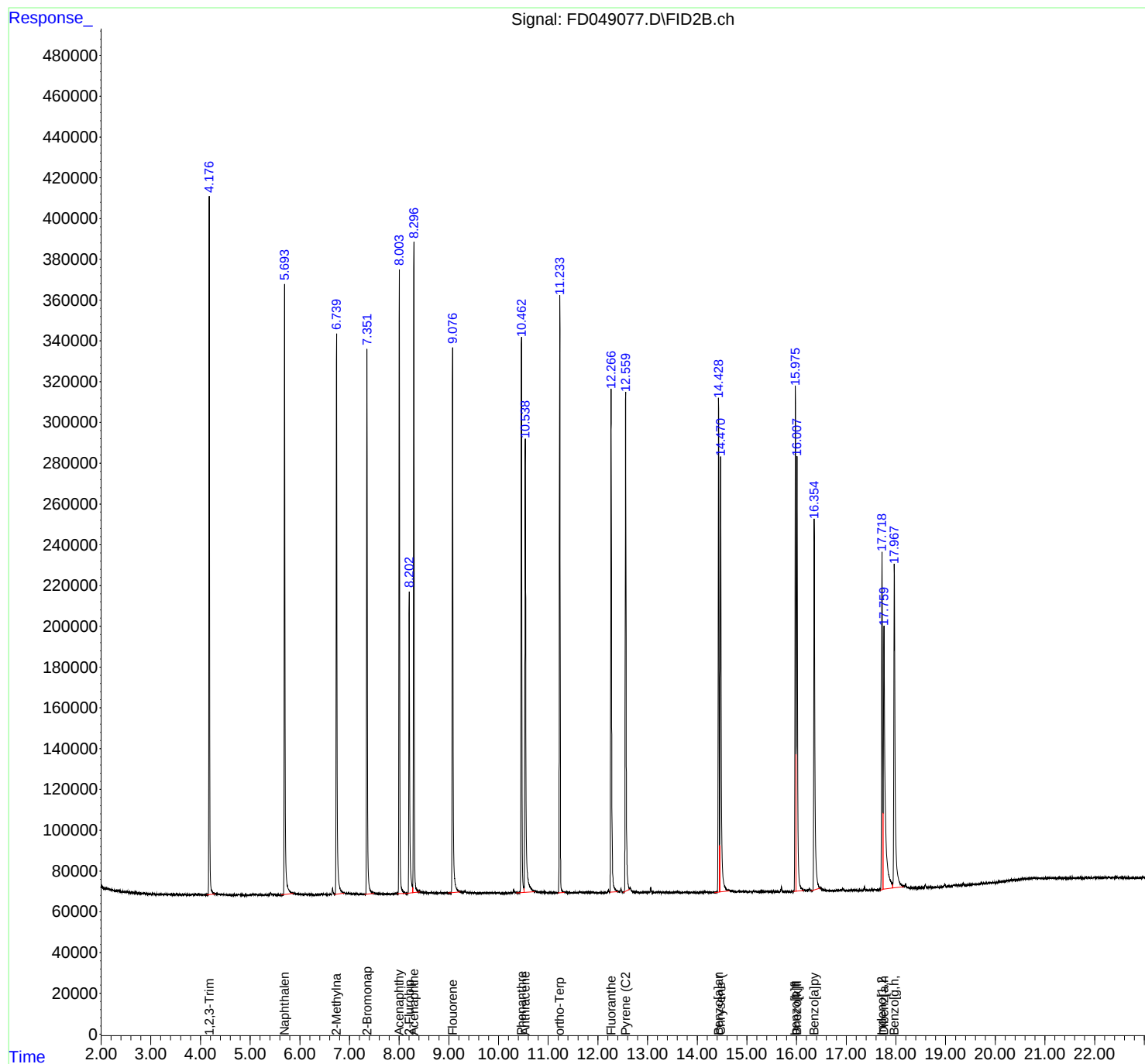
Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD ICV

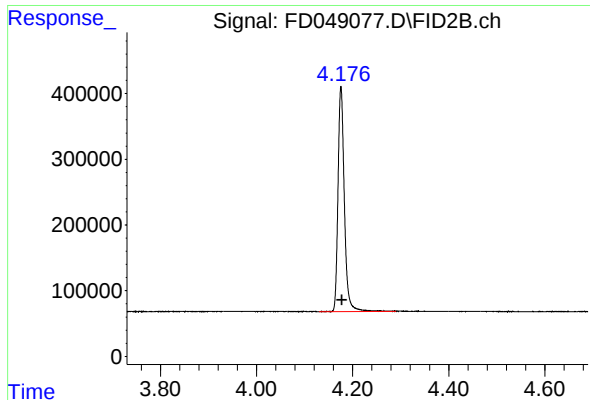
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/11/2025
Supervised By :Ankita Jodhani 02/11/2025

Integration File: autoint1.e
Quant Time: Feb 10 18:23:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 021125.M
Quant Title : GC Extractables
QLast Update : Mon Feb 10 16:27:29 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.: 4.176 min
Delta R.T.: -0.002 min
Response: 3134755
Conc: 19.68 ug/ml

Instrument :

FID_D

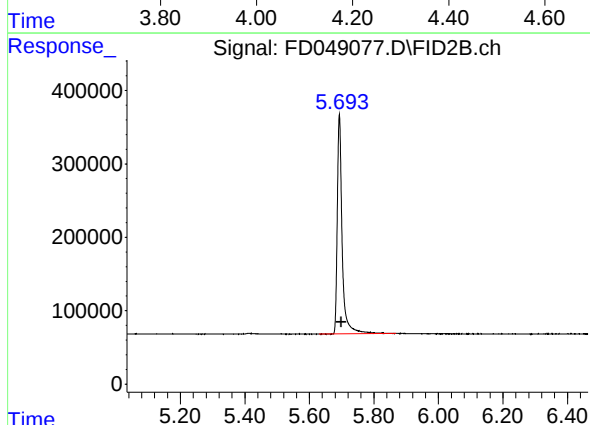
ClientSampleId :

20 PPM AROMATIC HC STD ICV

Manual Integrations

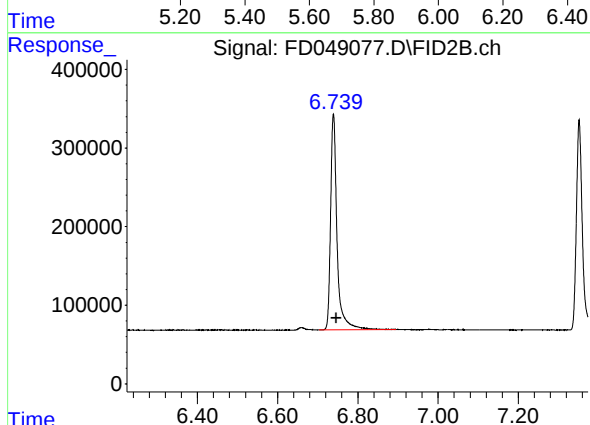
APPROVED

Reviewed By :Yogesh Patel 02/11/2025
Supervised By :Ankita Jodhani 02/11/2025



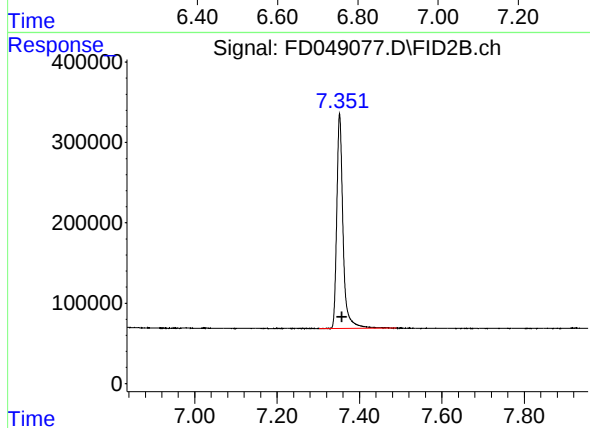
#2 Naphthalene (C11.7)

R.T.: 5.693 min
Delta R.T.: -0.006 min
Response: 3146803
Conc: 19.82 ug/ml



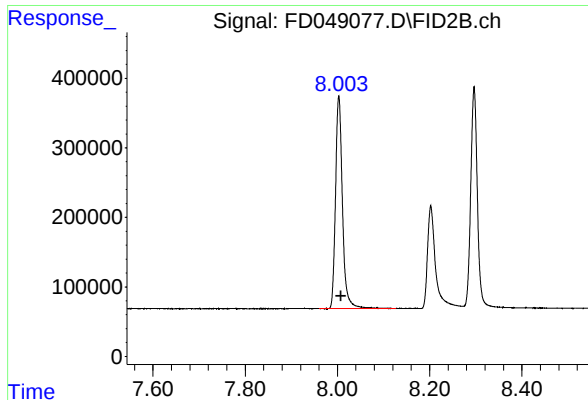
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.739 min
Delta R.T.: -0.007 min
Response: 3087751
Conc: 19.83 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.352 min
Delta R.T.: -0.006 min
Response: 2822907
Conc: 19.73 ug/ml



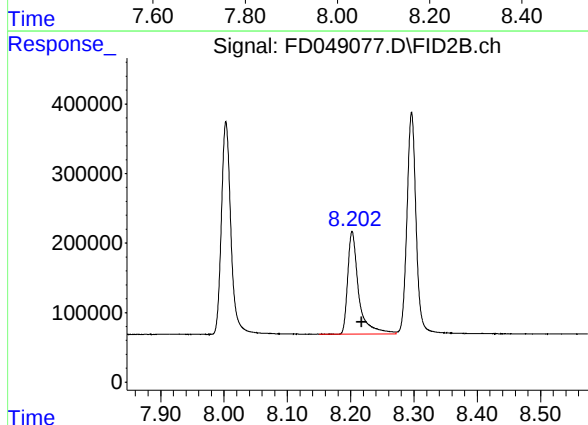
#5 Acenaphthylene (C15.06)

R.T.: 8.003 min
Delta R.T.: -0.004 min
Response: 3188327
Conc: 19.61 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD ICV

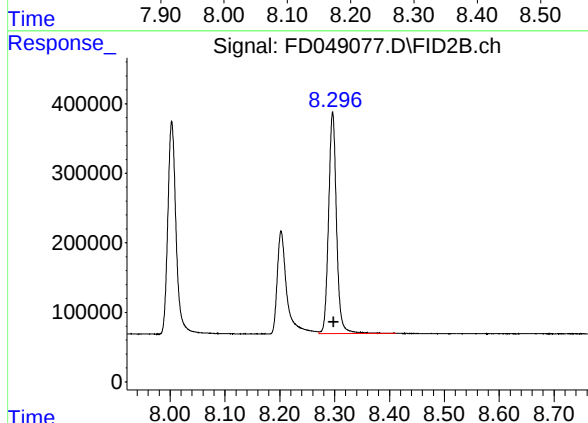
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/11/2025
Supervised By :Ankita Jodhani 02/11/2025



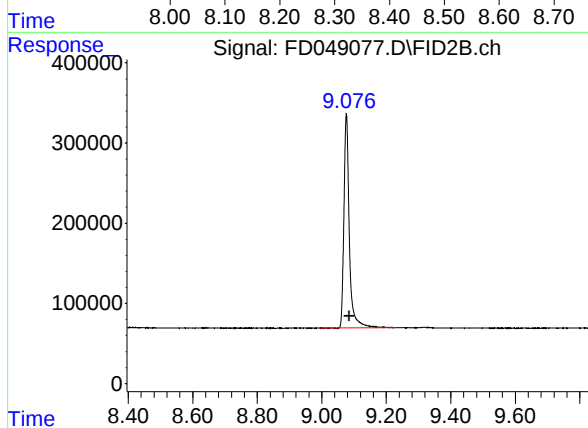
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.203 min
Delta R.T.: -0.015 min
Response: 1781261
Conc: 20.26 ug/ml



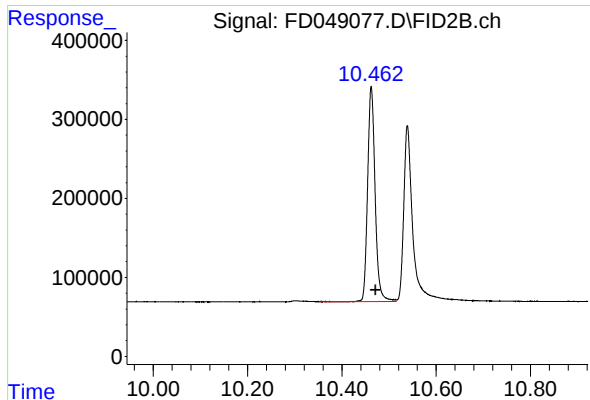
#7 Acenaphthene (C15.5)

R.T.: 8.296 min
Delta R.T.: -0.002 min
Response: 3203234
Conc: 19.47 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.076 min
Delta R.T.: -0.008 min
Response: 3106009
Conc: 19.70 ug/ml



#9 Phenanthrene (C19.36)

R.T.: 10.462 min
Delta R.T.: -0.009 min
Response: 2995357
Conc: 19.88 ug/ml

Instrument :

FID_D

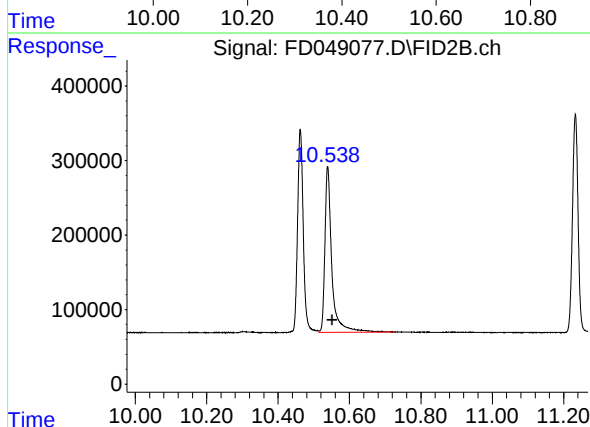
ClientSampleId :

20 PPM AROMATIC HC STD ICV

Manual Integrations

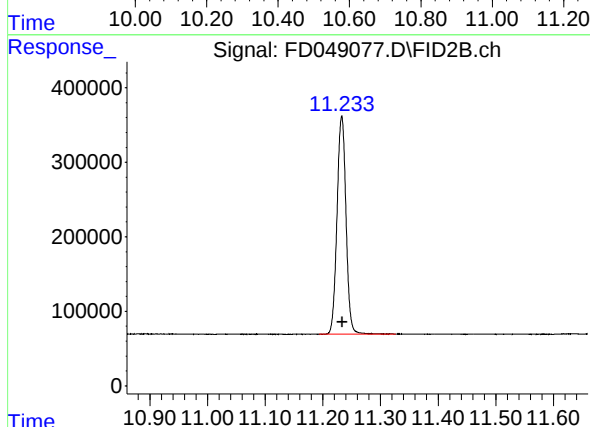
APPROVED

Reviewed By :Yogesh Patel 02/11/2025
Supervised By :Ankita Jodhani 02/11/2025



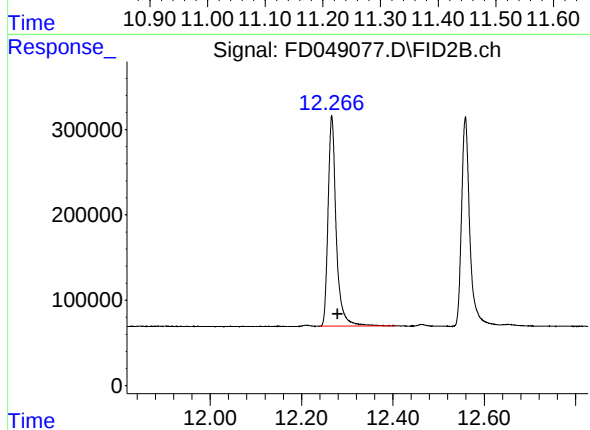
#10 Anthracene (C19.43)

R.T.: 10.539 min
Delta R.T.: -0.013 min
Response: 3001671
Conc: 19.87 ug/ml



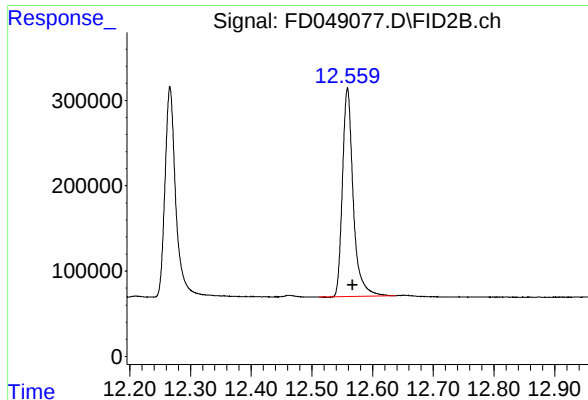
#11 ortho-Terphenyl (SURR)

R.T.: 11.233 min
Delta R.T.: -0.001 min
Response: 3178458
Conc: 19.65 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.266 min
Delta R.T.: -0.013 min
Response: 3059686
Conc: 19.83 ug/ml



#13 Pyrene (C20.8)

R.T.: 12.559 min
Delta R.T.: -0.008 min
Response: 3015618
Conc: 19.57 ug/ml

Instrument :

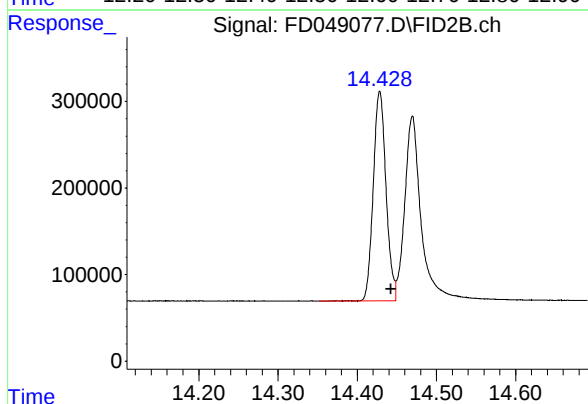
FID_D

ClientSampleId :

20 PPM AROMATIC HC STD ICV

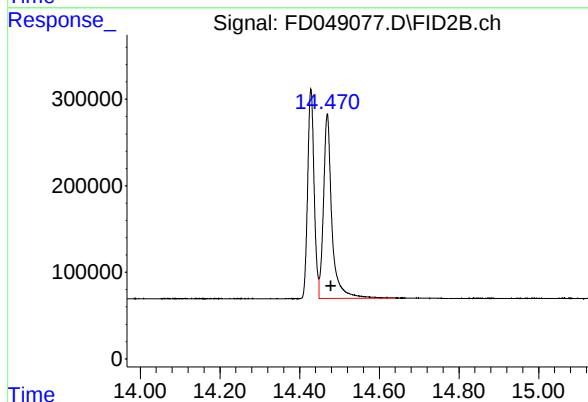
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/11/2025
Supervised By :Ankita Jodhani 02/11/2025



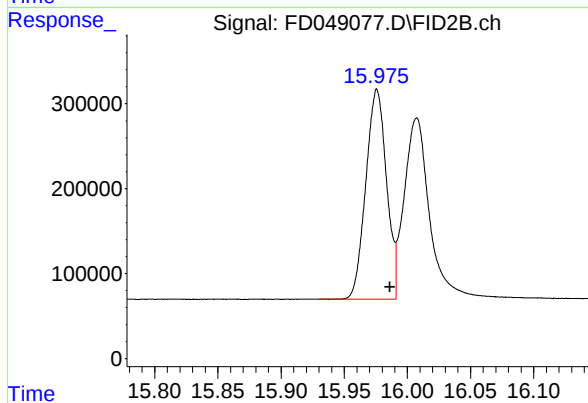
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.428 min
Delta R.T.: -0.014 min
Response: 2707067
Conc: 20.60 ug/ml



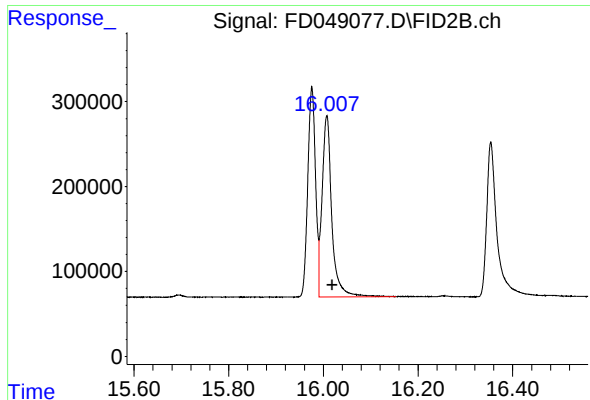
#15 Chrysene (C27.41)

R.T.: 14.470 min
Delta R.T.: -0.009 min
Response: 3142097
Conc: 19.43 ug/ml



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

R.T.: 15.976 min
Delta R.T.: -0.010 min
Response: 2807062
Conc: 20.40 ug/ml



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

R.T.: 16.007 min
Delta R.T.: -0.012 min
Response: 3031459
Conc: 19.19 ug/ml

Instrument :

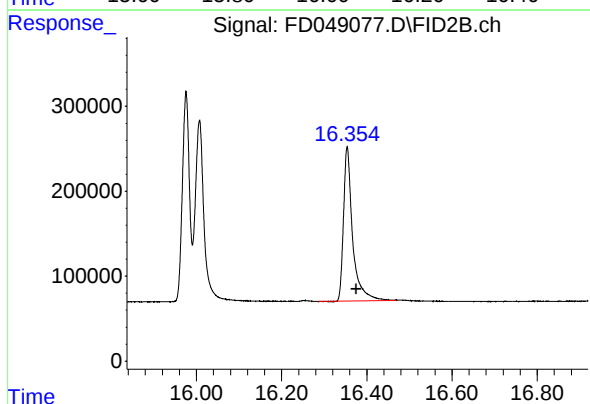
FID_D

ClientSampleId :

20 PPM AROMATIC HC STD ICV

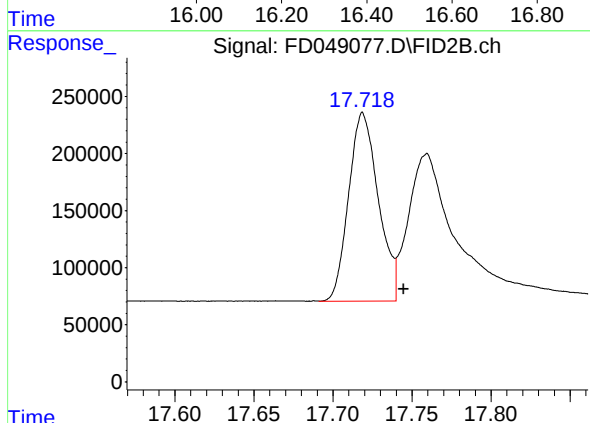
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/11/2025
Supervised By :Ankita Jodhani 02/11/2025



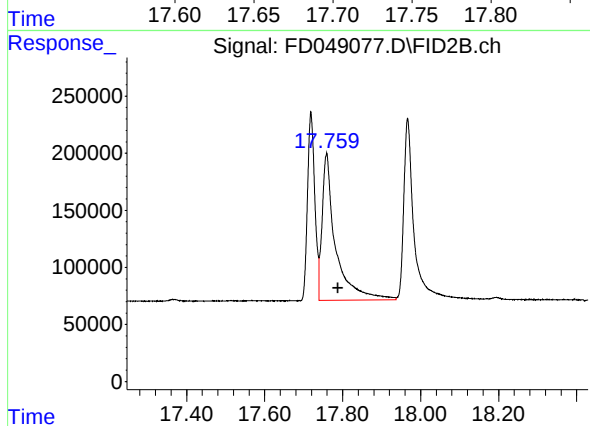
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.354 min
Delta R.T.: -0.022 min
Response: 2694826
Conc: 19.85 ug/ml



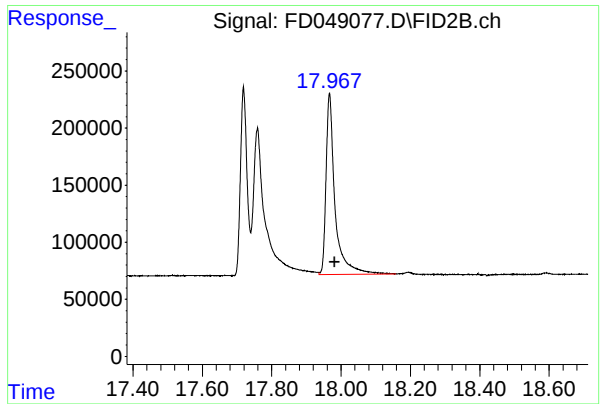
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.718 min
Delta R.T.: -0.026 min
Response: 2162922
Conc: 19.79 ug/ml m



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

R.T.: 17.759 min
Delta R.T.: -0.029 min
Response: 3098291
Conc: 19.97 ug/ml



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

R.T.: 17.967 min
Delta R.T.: -0.015 min
Response: 2849147
Conc: 19.66 ug/ml

Instrument :

FID_D

ClientSampleId :

20 PPM AROMATIC HC STD ICV

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/11/2025
Supervised By :Ankita Jodhani 02/11/2025

nteres

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD ICV
Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/11/2025
Supervised By :Ankita Jodhani 02/11/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD02112
Data File : FD049077.D
Signal(s) : FID2B.ch
Acq On : 10 Feb 2025 16:24
Sample : 20 PPM AROMATIC HC STD ICV
Misc :
ALS Vial : 67 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 021125.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	4.176	4.130	4.290	BV	342184	3134755	97.86%	5.122%
2	5.693	5.630	5.868	BB	299016	3146803	98.24%	5.142%
3	6.739	6.703	6.895	BB	275219	3087751	96.39%	5.046%
4	7.352	7.302	7.488	BB	267137	2822907	88.13%	4.613%
5	8.003	7.960	8.127	BB	305766	3188327	99.53%	5.210%
6	8.203	8.150	8.272	BV	147711	1781261	55.61%	2.911%
7	8.296	8.272	8.412	VB	318821	3203234	100.00%	5.234%
8	9.076	8.992	9.230	BB	267490	3106009	96.96%	5.075%
9	10.462	10.352	10.515	BV	272649	2995357	93.51%	4.895%
10	10.539	10.515	10.730	VV	223108	3001671	93.71%	4.905%
11	11.233	11.193	11.327	BB	293357	3178458	99.23%	5.194%
12	12.266	12.238	12.407	BB	246286	3059686	95.52%	5.000%
13	12.559	12.512	12.638	BV	244060	3015618	94.14%	4.928%
14	14.428	14.352	14.449	BV	242288	2707067	84.51%	4.424%
15	14.470	14.449	14.642	VB	214017	3142097	98.09%	5.134%
16	15.976	15.930	15.991	BV	246799	2807062	87.63%	4.587%
17	16.007	15.991	16.153	VB	213051	3031459	94.64%	4.954%
18	16.354	16.288	16.468	PV	181424	2694826	84.13%	4.404%
19	17.719	17.690	17.740	BV	165163	2144691	66.95%	3.505%
20	17.759	17.740	17.937	VV	128285	3098291	96.72%	5.063%
21	17.967	17.937	18.158	VB	158807	2849147	88.95%	4.656%
Sum of corrected areas:						61196477		

Aromatic EPH 021125.M Tue Feb 11 00:34:31 2025