

Initial Calibration Report for SequenceID : FG081023AL

AreaCount

Parameter Range	FG012659.D	FG012660.D	FG012661.D	FG012662.D	FG012663.D	
Aliphatic C9-C12	30879707.000	15812865.000	6274213.000	3200182.000	1595554.000	
Aliphatic C12-C16	21165851.000	10862471.000	4291498.000	2195397.000	1090925.000	
Aliphatic C16-C21	32306128.000	16732440.000	6572785.000	3343536.000	1672474.000	
Aliphatic C21-C28	41073638.000	21450417.000	8430182.000	4274951.000	2147457.000	
Aliphatic C28-C40	52865454.000	27534124.000	10944610.000	5465842.000	2804049.000	
Aliphatic EPH	178290778.000	92392317.000	36513288.000	18479908.000	9310459.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aliphatic C9-C12	105192.9346662	1.436				
Aliphatic C12-C16	108120.753	1.452				
Aliphatic C16-C21	110346.515333	1.55				
Aliphatic C21-C28	105912.016	1.862				
Aliphatic C28-C40	91132.0506664	2.127				
Aliphatic EPH	101850.0124442	1.693				

Concentration

Parameter Range	FG012659.D	FG012660.D	FG012661.D	FG012662.D	FG012663.D	
Aliphatic C9-C12	300.000	150.000	60.000	30.000	15.000	
Aliphatic C12-C16	200.000	100.000	40.000	20.000	10.000	
Aliphatic C16-C21	300.000	150.000	60.000	30.000	15.000	
Aliphatic C21-C28	400.000	200.000	80.000	40.000	20.000	
Aliphatic C28-C40	600.000	300.000	120.000	60.000	30.000	
Aliphatic EPH	1800.000	900.000	360.000	180.000	90.000	

Response Factor

Parameter Range	FG012659.D	FG012660.D	FG012661.D	FG012662.D	FG012663.D	
Aliphatic C9-C12	102932.356666	105419.100000	104570.216666	106672.733333	106370.266666	
Aliphatic C12-C16	105829.255000	108624.710000	107287.450000	109769.850000	109092.500000	
Aliphatic C16-C21	107687.093333	111549.600000	109546.416666	111451.200000	111498.266666	
Aliphatic C21-C28	102684.095000	107252.085000	105377.275000	106873.775000	107372.850000	
Aliphatic C28-C40	88109.090000	91780.413333	91205.083333	91097.366666	93468.300000	



284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Initial Calibration Report for SequenceID : FG081023AL

Aliphatic EPH	99050.432222	102658.130000	101425.800000	102666.155555	103449.544444	
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Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG081023AL\
 Data File : FG012659.D
 Signal(s) : FID1A.ch
 Acq On : 10 Aug 2023 11:11
 Operator : YP\AJ
 Sample : 100 PPM ALIPHATIC HC STD1
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 100 PPM ALIPHATIC HC STD1

Integration File: autoint1.e
 Quant Time: Aug 10 12:46:30 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 081023.M
 Quant Title : GC Extractables
 QLast Update : Thu Aug 10 12:45:52 2023
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.991	13208630	98.831 ug/ml
Spiked Amount 50.000		Recovery =	197.66%
12) S 1-chlorooctadecane (S...	13.429	10228625	98.839 ug/ml
Spiked Amount 50.000		Recovery =	197.68%
Target Compounds			
1) T n-Nonane (C9)	3.350	10170415	98.557 ug/ml
2) T n-Decane (C10)	4.602	10256092	98.223 ug/ml
3) T A~Naphthalene (C11.7)	6.308	11178499	98.582 ug/ml
4) T n-Dodecane (C12)	6.774	10453200	98.521 ug/ml
5) T A~2-methylnaphthalene...	7.409	11257165	98.973 ug/ml
6) T n-Tetradecane (C14)	8.608	10503416	98.499 ug/ml
7) T n-Hexadecane (C16)	10.220	10662435	98.780 ug/ml
8) T n-Octadecane (C18)	11.670	10792886	98.587 ug/ml
10) T n-Eicosane (C20)	12.983	10772715	98.351 ug/ml
11) T n-Heneicosane (C21)	13.598	10740527	97.971 ug/ml
13) T n-Docosane (C22)	14.185	10656759	97.909 ug/ml
14) T n-Tetracosane (C24)	15.291	10467143	97.489 ug/ml
15) T n-Hexacosane (C26)	16.314	10174365	97.261 ug/ml
16) T n-Octacosane (C28)	17.266	9775371	97.085 ug/ml
17) T n-Tricontane (C30)	18.154	9565198	96.520 ug/ml
18) T n-Dotriacontane (C32)	18.988	9314291	94.344 ug/ml
19) T n-Tetratriacontane (C34)	19.771	8846003	96.302 ug/ml
20) T n-Hexatriacontane (C36)	20.511	8729890	97.072 ug/ml
21) T n-Octatriacontane (C38)	21.269	8334498	97.413 ug/ml
22) T n-Tetracontane (C40)	22.223	8075574	98.417 ug/ml

(f)=RT Delta > 1/2 Window

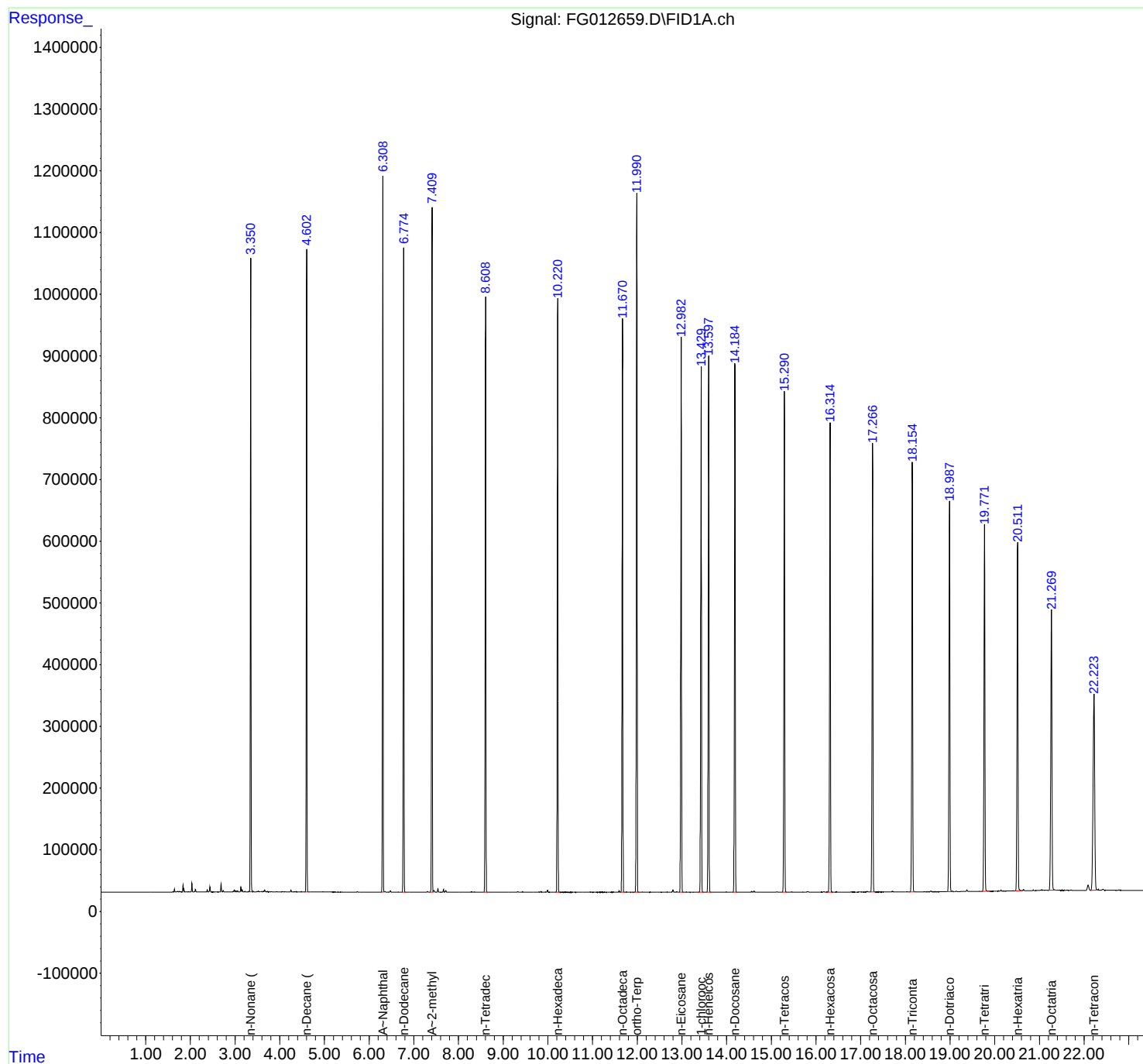
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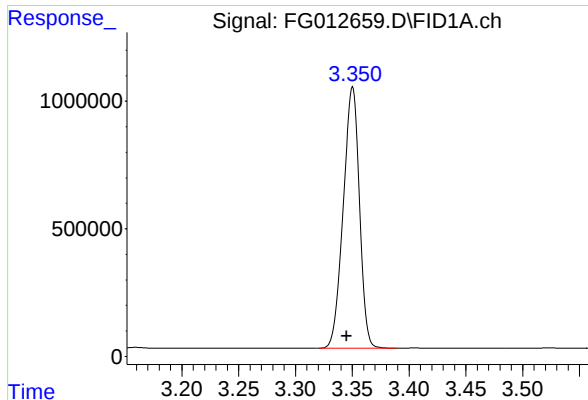
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Data File : FG012659.D
Signal(s) : FID1A.ch
Acq On : 10 Aug 2023 11:11
Operator : YP\AJ
Sample : 100 PPM ALIPHATIC HC STD1
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
100 PPM ALIPHATIC HC STD1

Integration File: autoint1.e
Quant Time: Aug 10 12:46:30 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 081023.M
Quant Title : GC Extractables
QLast Update : Thu Aug 10 12:45:52 2023
Response via : Initial Calibration
Integrator: ChemStation

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

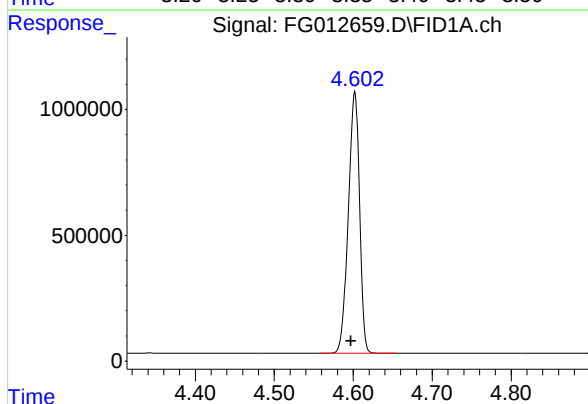




#1 n-Nonane (C9)

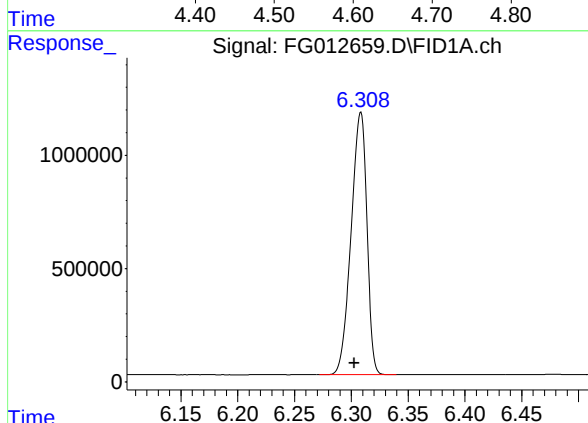
R.T.: 3.350 min
Delta R.T.: 0.005 min
Response: 10170415
Conc: 98.56 ug/ml

Instrument :
FID_G
ClientSampleId :
100 PPM ALIPHATIC HC STD1



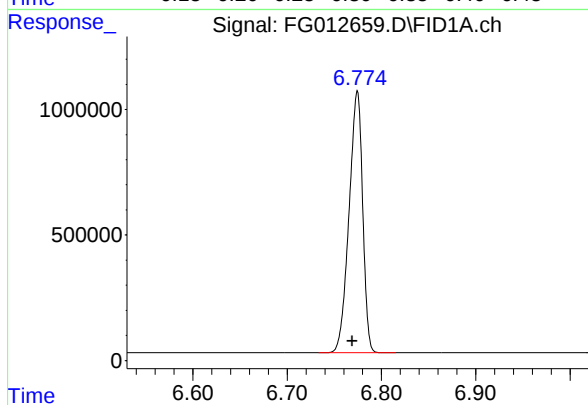
#2 n-Decane (C10)

R.T.: 4.602 min
Delta R.T.: 0.005 min
Response: 10256092
Conc: 98.22 ug/ml



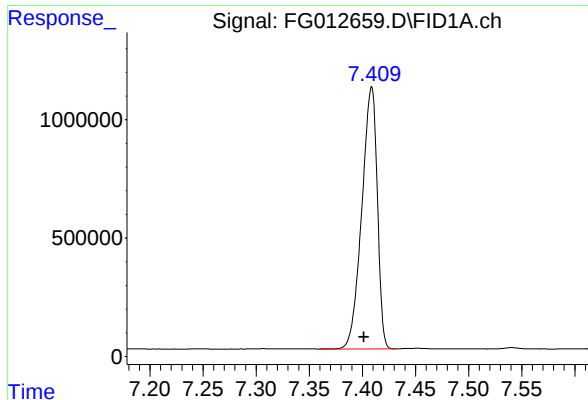
#3 A~Naphthalene (C11.7)

R.T.: 6.308 min
Delta R.T.: 0.006 min
Response: 11178499
Conc: 98.58 ug/ml



#4 n-Dodecane (C12)

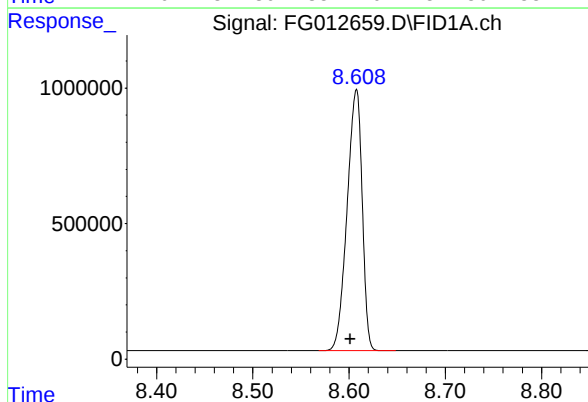
R.T.: 6.774 min
Delta R.T.: 0.005 min
Response: 10453200
Conc: 98.52 ug/ml



#5 A~2-methylnaphthalene (C12.89)

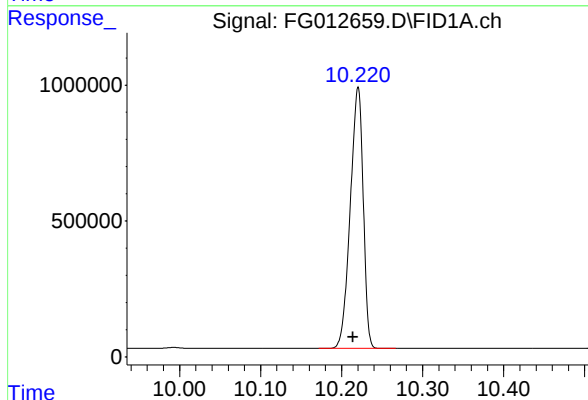
R.T.: 7.409 min
Delta R.T.: 0.007 min
Response: 11257165
Conc: 98.97 ug/ml

Instrument :
FID_G
ClientSampleId :
100 PPM ALIPHATIC HC STD1



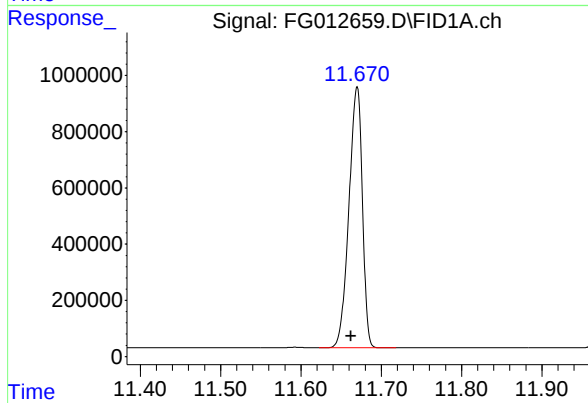
#6 n-Tetradecane (C14)

R.T.: 8.608 min
Delta R.T.: 0.006 min
Response: 10503416
Conc: 98.50 ug/ml



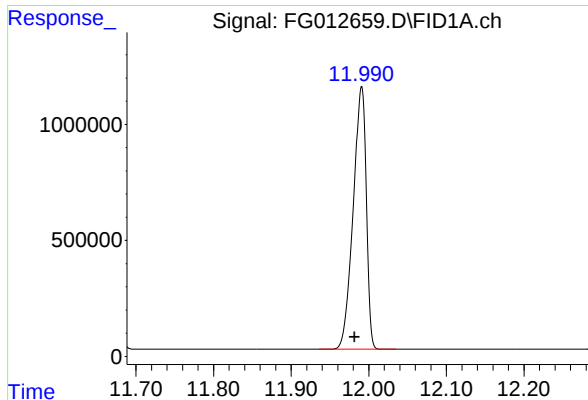
#7 n-Hexadecane (C16)

R.T.: 10.220 min
Delta R.T.: 0.006 min
Response: 10662435
Conc: 98.78 ug/ml



#8 n-Octadecane (C18)

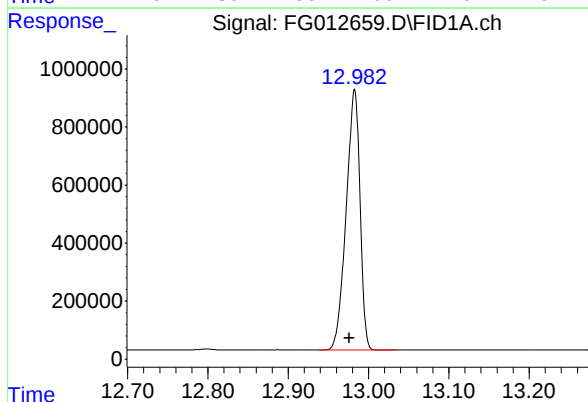
R.T.: 11.670 min
Delta R.T.: 0.007 min
Response: 10792886
Conc: 98.59 ug/ml



#9 ortho-Terphenyl (SURR)

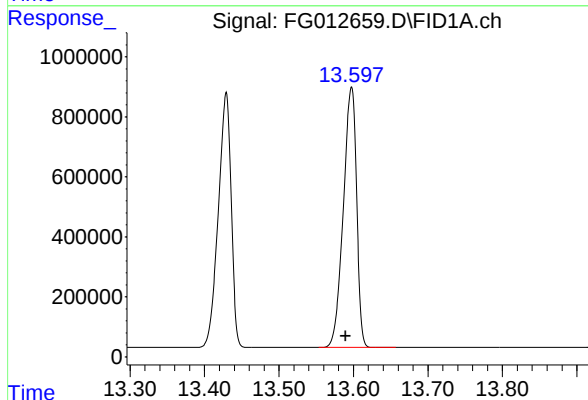
R.T.: 11.991 min
Delta R.T.: 0.009 min
Response: 13208630
Conc: 98.83 ug/ml

Instrument :
FID_G
ClientSampleId :
100 PPM ALIPHATIC HC STD1



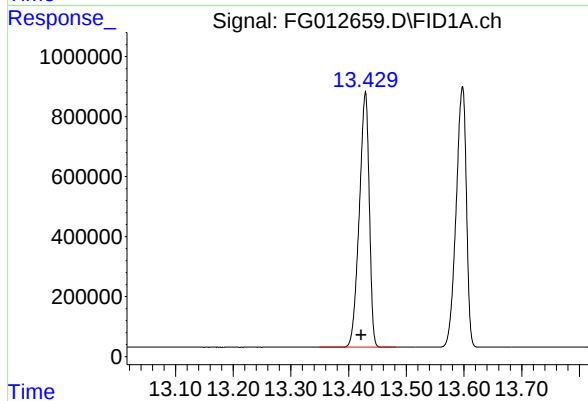
#10 n-Eicosane (C20)

R.T.: 12.983 min
Delta R.T.: 0.007 min
Response: 10772715
Conc: 98.35 ug/ml



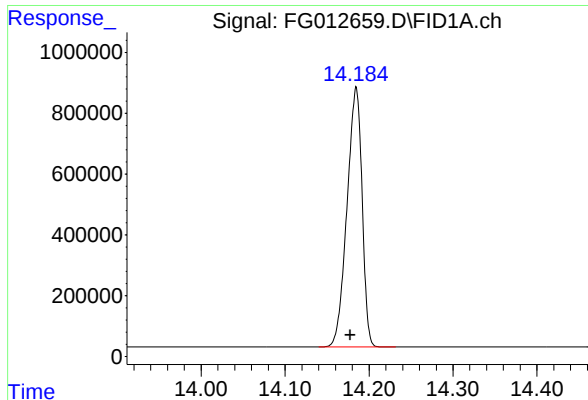
#11 n-Heneicosane (C21)

R.T.: 13.598 min
Delta R.T.: 0.008 min
Response: 10740527
Conc: 97.97 ug/ml



#12 1-chlorooctadecane (SURR)

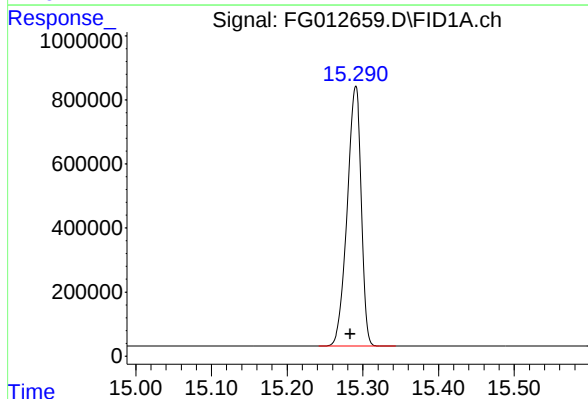
R.T.: 13.429 min
Delta R.T.: 0.007 min
Response: 10228625
Conc: 98.84 ug/ml



#13 n-Docosane (C22)

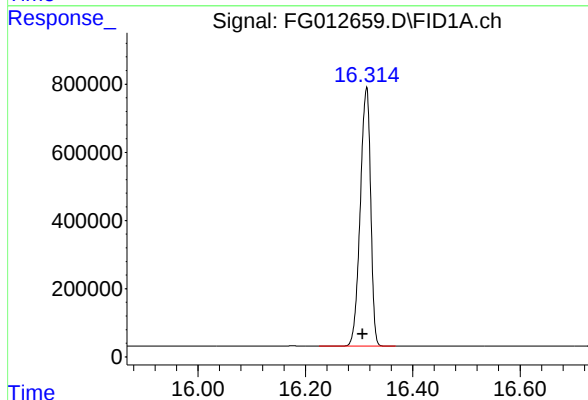
R.T.: 14.185 min
Delta R.T.: 0.007 min
Response: 10656759
Conc: 97.91 ug/ml

Instrument :
FID_G
ClientSampleId :
100 PPM ALIPHATIC HC STD1



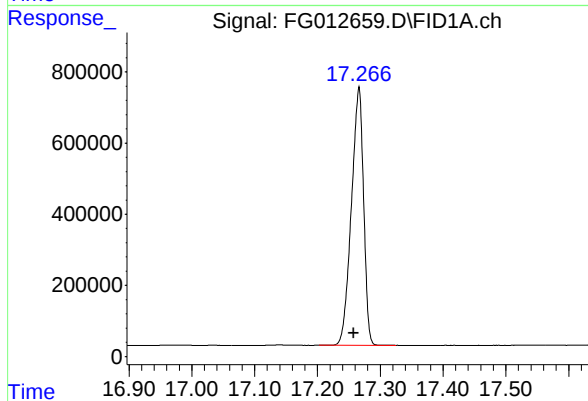
#14 n-Tetracosane (C24)

R.T.: 15.291 min
Delta R.T.: 0.007 min
Response: 10467143
Conc: 97.49 ug/ml



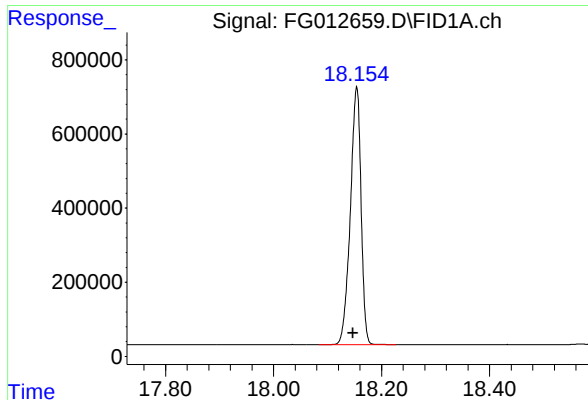
#15 n-Hexacosane (C26)

R.T.: 16.314 min
Delta R.T.: 0.008 min
Response: 10174365
Conc: 97.26 ug/ml



#16 n-Octacosane (C28)

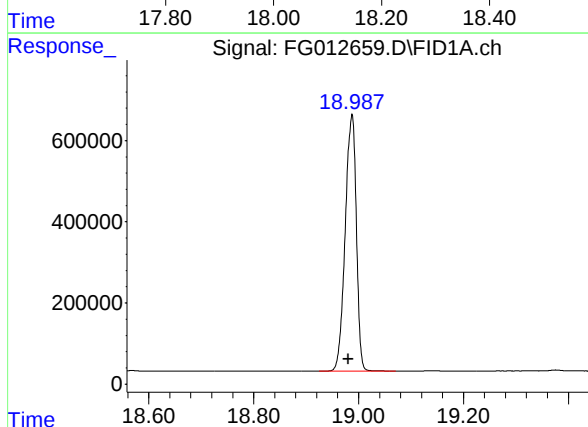
R.T.: 17.266 min
Delta R.T.: 0.008 min
Response: 9775371
Conc: 97.09 ug/ml



#17 n-Tricontane (C30)

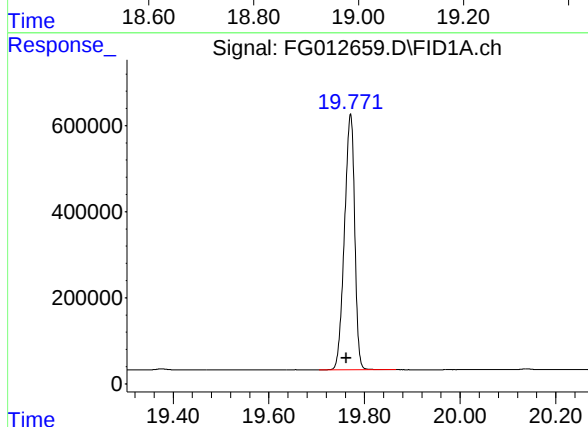
R.T.: 18.154 min
Delta R.T.: 0.007 min
Response: 9565198
Conc: 96.52 ug/ml

Instrument :
FID_G
ClientSampleId :
100 PPM ALIPHATIC HC STD1



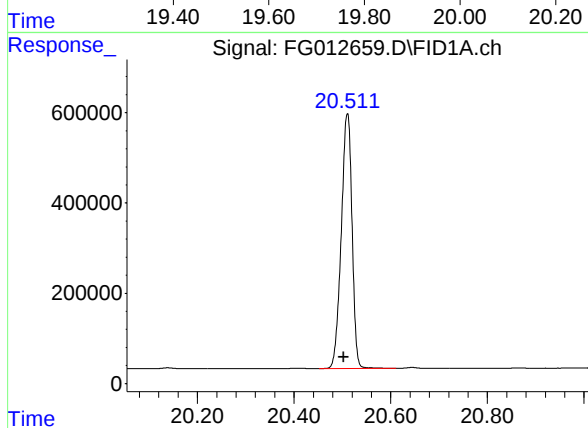
#18 n-Dotriacontane (C32)

R.T.: 18.988 min
Delta R.T.: 0.008 min
Response: 9314291
Conc: 94.34 ug/ml



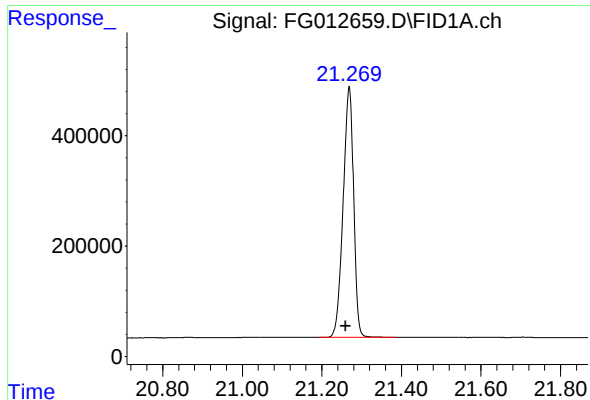
#19 n-Tetratriacontane (C34)

R.T.: 19.771 min
Delta R.T.: 0.009 min
Response: 8846003
Conc: 96.30 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.511 min
Delta R.T.: 0.008 min
Response: 8729890
Conc: 97.07 ug/ml



#21 n-Octatriacontane (C38)

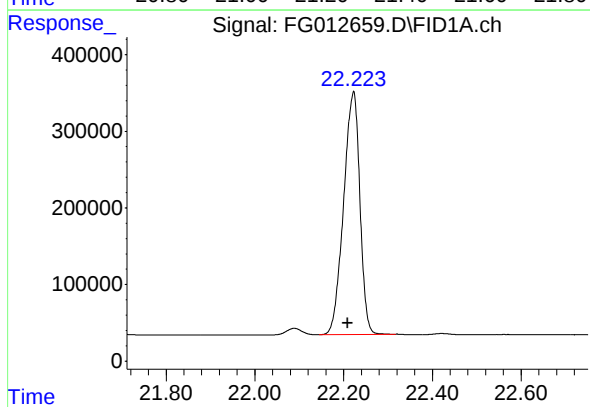
R.T.: 21.269 min
Delta R.T.: 0.009 min
Response: 8334498
Conc: 97.41 ug/ml

Instrument :

FID_G

ClientSampleId :

100 PPM ALIPHATIC HC STD1



#22 n-Tetracontane (C40)

R.T.: 22.223 min
Delta R.T.: 0.013 min
Response: 8075574
Conc: 98.42 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG081023AL\
 Data File : FG012659.D
 Signal(s) : FID1A.ch
 Acq On : 10 Aug 2023 11:11
 Sample : 100 PPM ALIPHATIC HC STD1
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 081023.M
 Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.350	3.321	3.389	VV	1025056	10171710	77.01%	4.538%
2	4.602	4.557	4.654	BB	1040182	10256092	77.65%	4.575%
3	6.308	6.272	6.340	BV	1160396	11178499	84.63%	4.987%
4	6.774	6.733	6.815	BB	1042140	10453200	79.14%	4.663%
5	7.409	7.359	7.432	BV	1107611	11257165	85.23%	5.022%
6	8.608	8.568	8.648	BB	963465	10503416	79.52%	4.686%
7	10.220	10.172	10.267	BB	961931	10662435	80.72%	4.757%
8	11.670	11.623	11.718	VB	929137	10792886	81.71%	4.815%
9	11.991	11.936	12.035	BB	1133671	13208630	100.00%	5.892%
10	12.983	12.938	13.034	BB	899133	10772715	81.56%	4.806%
11	13.429	13.348	13.482	BB	850492	10228625	77.44%	4.563%
12	13.598	13.553	13.657	BB	869074	10740527	81.31%	4.791%
13	14.185	14.140	14.232	BB	856641	10656759	80.68%	4.754%
14	15.291	15.242	15.343	BB	811919	10467143	79.24%	4.669%
15	16.314	16.225	16.368	BB	759680	10174365	77.03%	4.539%
16	17.266	17.203	17.325	BB	725673	9775371	74.01%	4.361%
17	18.154	18.084	18.227	BB	695927	9565198	72.42%	4.267%
18	18.988	18.924	19.071	BB	632785	9314291	70.52%	4.155%
19	19.771	19.705	19.866	BB	594402	8846003	66.97%	3.946%
20	20.511	20.452	20.611	BV	564444	8729890	66.09%	3.894%
21	21.269	21.193	21.386	BB	454922	8334498	63.10%	3.718%
22	22.223	22.144	22.318	PV	317603	8075574	61.14%	3.603%
Sum of corrected areas:						224164991		

Aliphatic EPH 081023.M Thu Aug 10 16:30:12 2023

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG081023AL\
 Data File : FG012660.D
 Signal(s) : FID1A.ch
 Acq On : 10 Aug 2023 11:40
 Operator : YP\AJ
 Sample : 50 PPM ALIPHATIC HC STD2
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 50 PPM ALIPHATIC HC STD2

Integration File: autoint1.e
 Quant Time: Aug 10 12:46:41 2023
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Spiked Amount 50.000		Recovery =	102.39%
Target Compounds			
1) T n-Nonane (C9)	3.348	5211832	50.506 ug/ml
2) T n-Decane (C10)	4.599	5253320	50.311 ug/ml
3) T A~Naphthalene (C11.7)	6.305	5716987	50.418 ug/ml
4) T n-Dodecane (C12)	6.771	5347713	50.402 ug/ml
5) T A~2-methylnaphthalene...	7.404	5746215	50.521 ug/ml
6) T n-Tetradecane (C14)	8.604	5381878	50.470 ug/ml
7) T n-Hexadecane (C16)	10.217	5480593	50.774 ug/ml
8) T n-Octadecane (C18)	11.666	5572660	50.903 ug/ml
10) T n-Eicosane (C20)	12.979	5583773	50.978 ug/ml
11) T n-Heneicosane (C21)	13.593	5576007	50.862 ug/ml
13) T n-Docosane (C22)	14.181	5541693	50.914 ug/ml
14) T n-Tetracosane (C24)	15.287	5458946	50.843 ug/ml
15) T n-Hexacosane (C26)	16.310	5318858	50.845 ug/ml
16) T n-Octacosane (C28)	17.261	5130920	50.958 ug/ml
17) T n-Tricontane (C30)	18.149	5033169	50.788 ug/ml
18) T n-Dotriacontane (C32)	18.983	4906590	49.699 ug/ml
19) T n-Tetratriacontane (C34)	19.767	4629255	50.396 ug/ml
20) T n-Hexatriacontane (C36)	20.506	4541047	50.494 ug/ml
21) T n-Octatriacontane (C38)	21.264	4277751	49.998 ug/ml
22) T n-Tetracontane (C40)	22.212	4146312	50.531 ug/ml

(f)=RT Delta > 1/2 Window

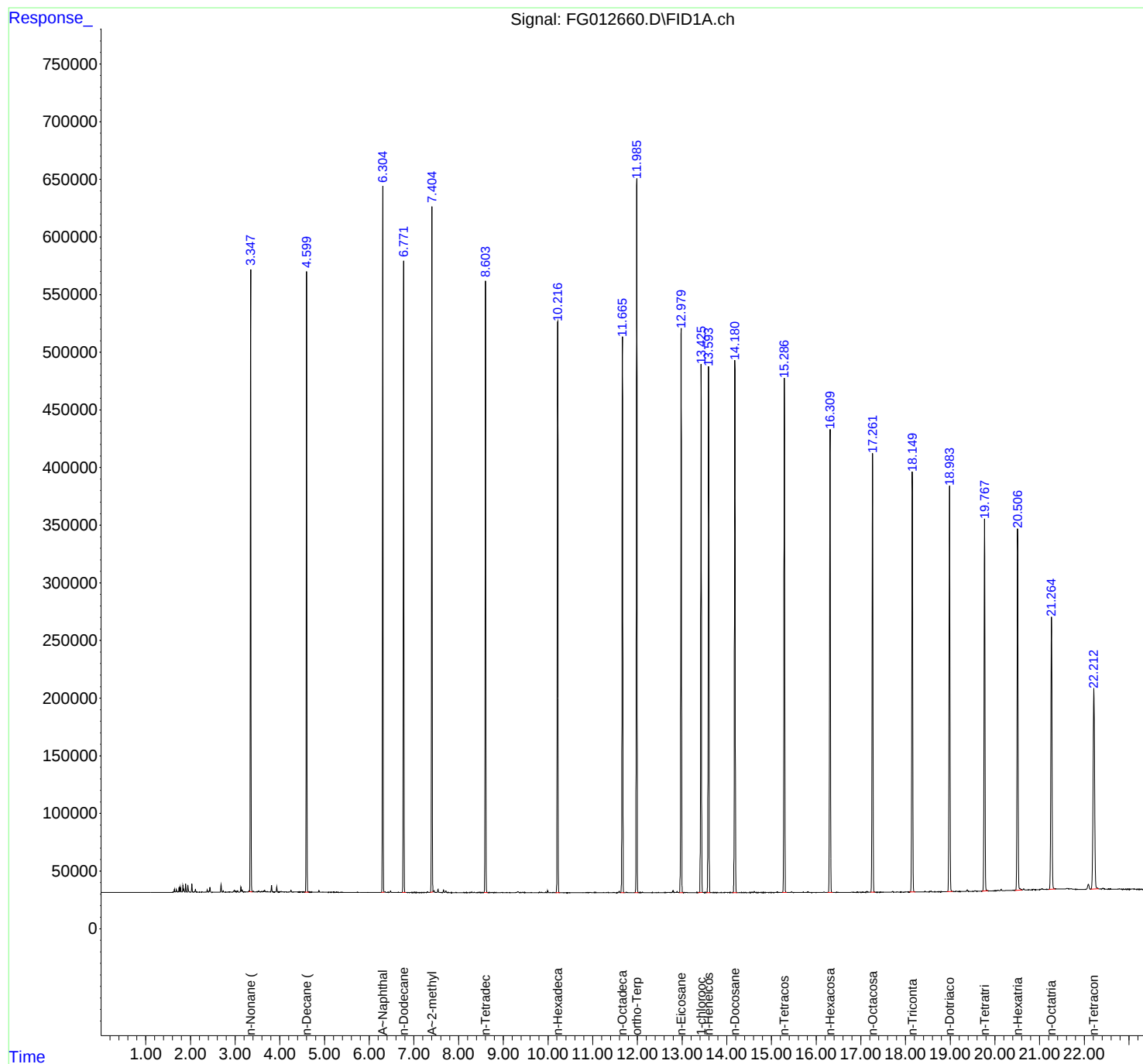
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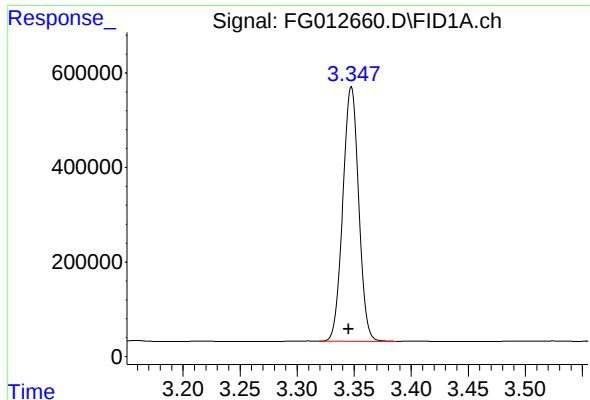
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG081023AL\
Data File : FG012660.D
Signal(s) : FID1A.ch
Acq On : 10 Aug 2023 11:40
Operator : YP\AJ
Sample : 50 PPM ALIPHATIC HC STD2
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
50 PPM ALIPHATIC HC STD2

Integration File: autoint1.e
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Integrator: ChemStation

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

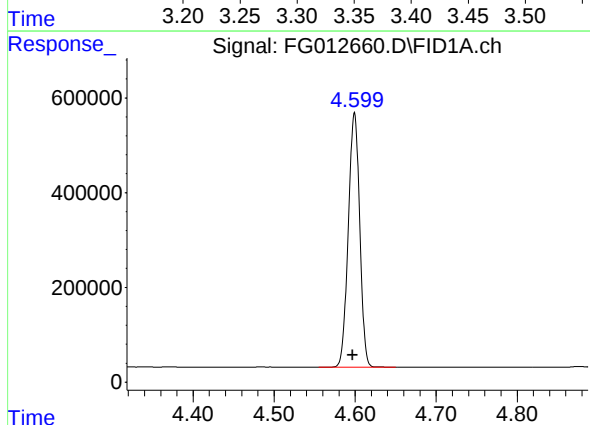




#1 n-Nonane (C9)

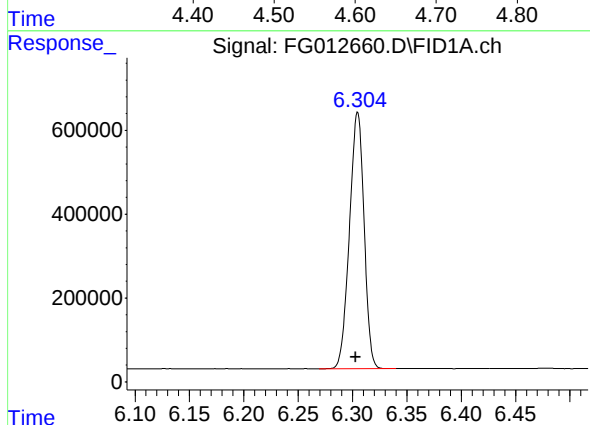
R.T.: 3.348 min
Delta R.T.: 0.003 min
Response: 5211832
Conc: 50.51 ug/ml

Instrument :
FID_G
ClientSampleId :
50 PPM ALIPHATIC HC STD2



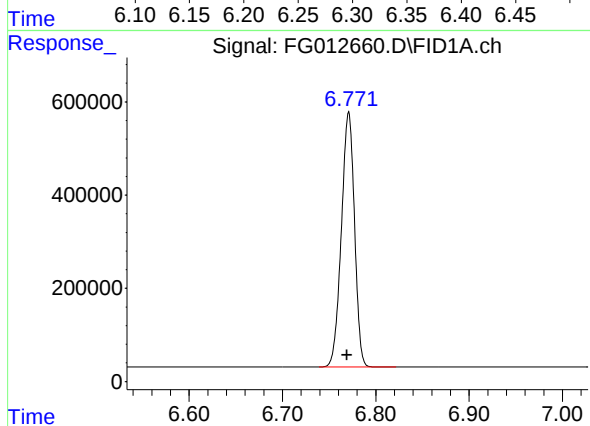
#2 n-Decane (C10)

R.T.: 4.599 min
Delta R.T.: 0.002 min
Response: 5253320
Conc: 50.31 ug/ml



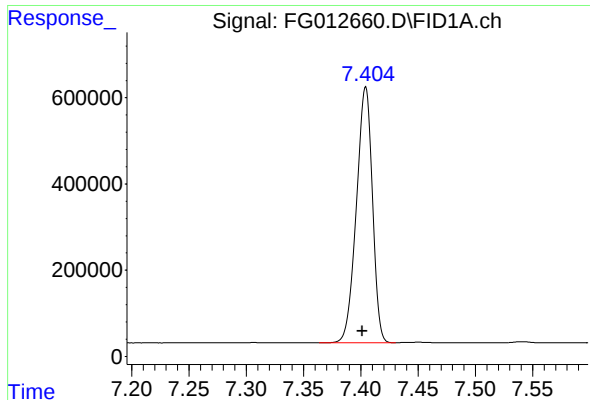
#3 A~Naphthalene (C11.7)

R.T.: 6.305 min
Delta R.T.: 0.002 min
Response: 5716987
Conc: 50.42 ug/ml



#4 n-Dodecane (C12)

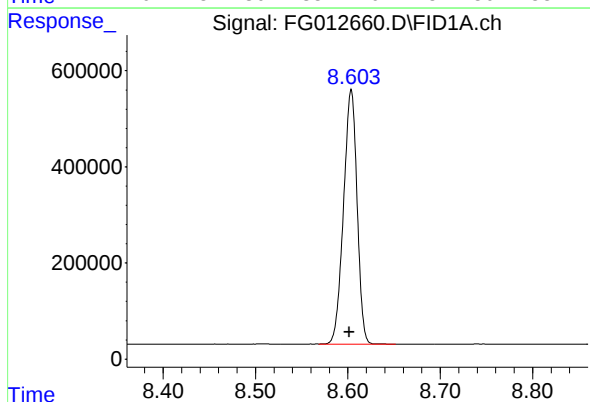
R.T.: 6.771 min
Delta R.T.: 0.002 min
Response: 5347713
Conc: 50.40 ug/ml



#5 A~2-methylnaphthalene (C12.89)

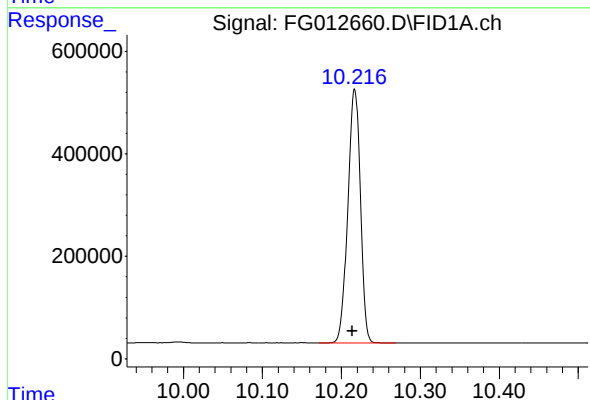
R.T.: 7.404 min
Delta R.T.: 0.003 min
Response: 5746215
Conc: 50.52 ug/ml

Instrument :
FID_G
ClientSampleId :
50 PPM ALIPHATIC HC STD2



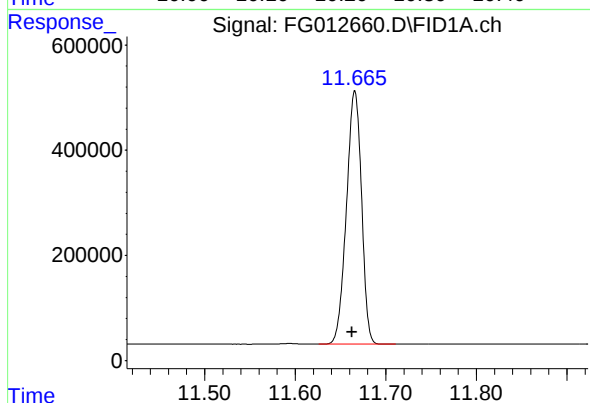
#6 n-Tetradecane (C14)

R.T.: 8.604 min
Delta R.T.: 0.002 min
Response: 5381878
Conc: 50.47 ug/ml



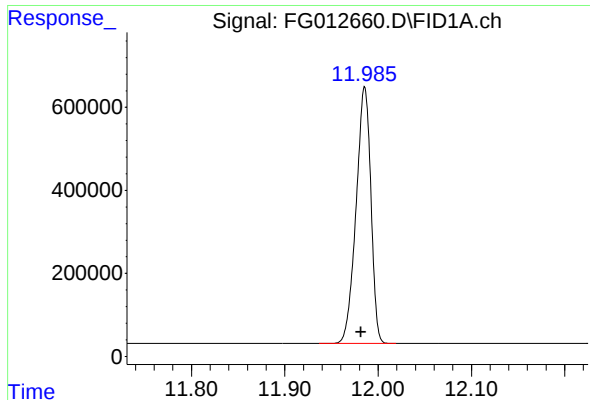
#7 n-Hexadecane (C16)

R.T.: 10.217 min
Delta R.T.: 0.003 min
Response: 5480593
Conc: 50.77 ug/ml



#8 n-Octadecane (C18)

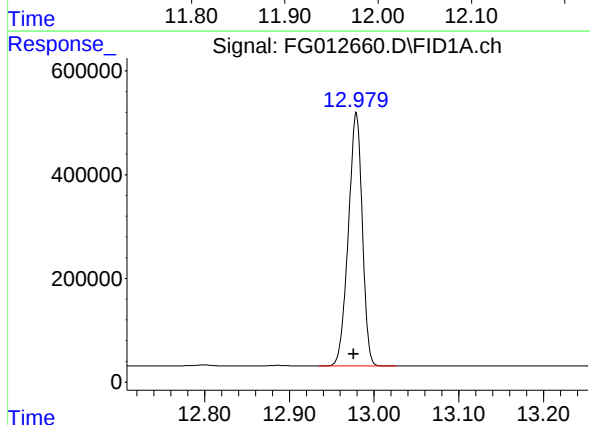
R.T.: 11.666 min
Delta R.T.: 0.003 min
Response: 5572660
Conc: 50.90 ug/ml



#9 ortho-Terphenyl (SURR)

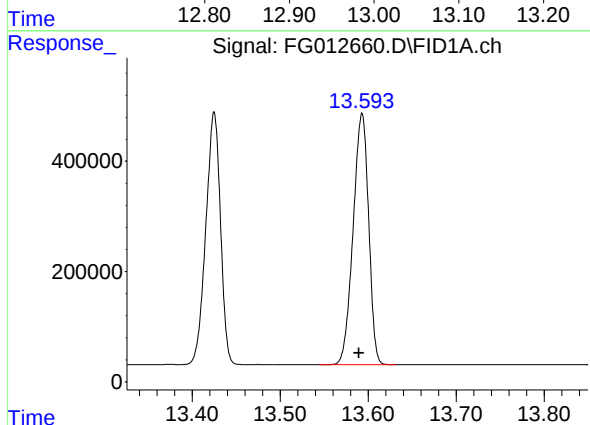
R.T.: 11.986 min
Delta R.T.: 0.004 min
Response: 6810466
Conc: 50.96 ug/ml

Instrument :
FID_G
ClientSampleId :
50 PPM ALIPHATIC HC STD2



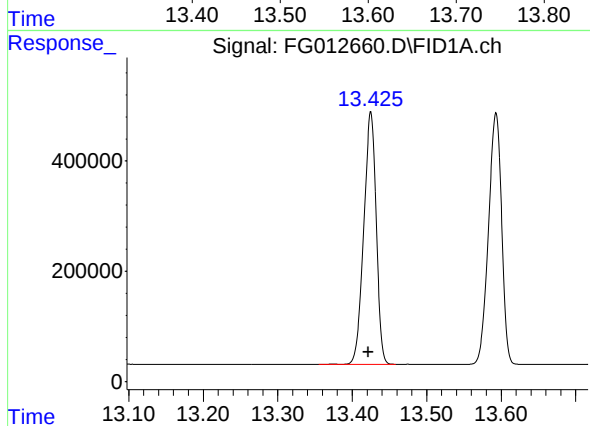
#10 n-Eicosane (C20)

R.T.: 12.979 min
Delta R.T.: 0.003 min
Response: 5583773
Conc: 50.98 ug/ml



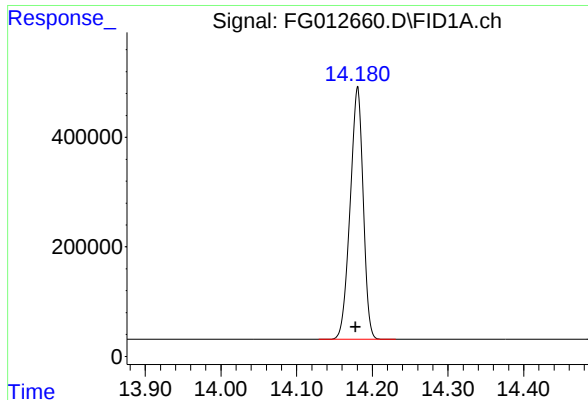
#11 n-Heneicosane (C21)

R.T.: 13.593 min
Delta R.T.: 0.004 min
Response: 5576007
Conc: 50.86 ug/ml



#12 1-chlorooctadecane (SURR)

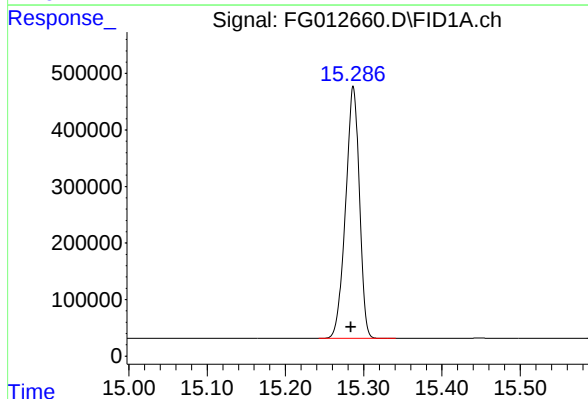
R.T.: 13.425 min
Delta R.T.: 0.003 min
Response: 5297991
Conc: 51.19 ug/ml



#13 n-Docosane (C22)

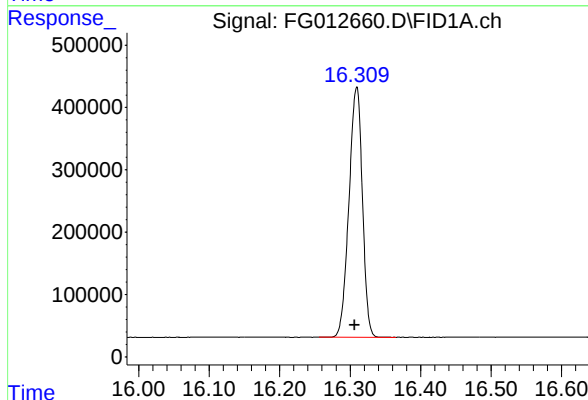
R.T.: 14.181 min
Delta R.T.: 0.003 min
Response: 5541693
Conc: 50.91 ug/ml

Instrument :
FID_G
ClientSampleId :
50 PPM ALIPHATIC HC STD2



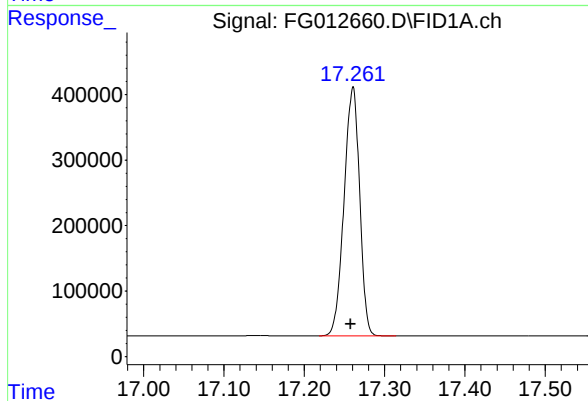
#14 n-Tetracosane (C24)

R.T.: 15.287 min
Delta R.T.: 0.003 min
Response: 5458946
Conc: 50.84 ug/ml



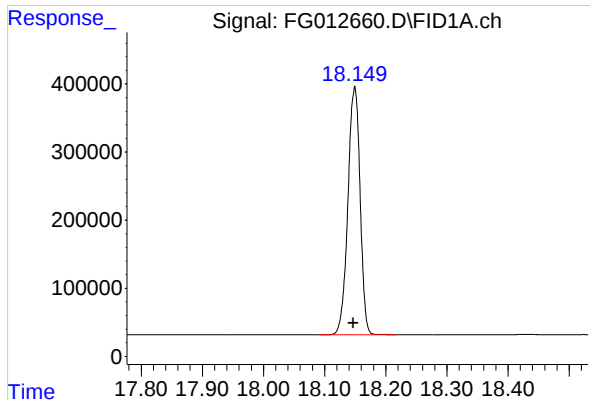
#15 n-Hexacosane (C26)

R.T.: 16.310 min
Delta R.T.: 0.003 min
Response: 5318858
Conc: 50.85 ug/ml



#16 n-Octacosane (C28)

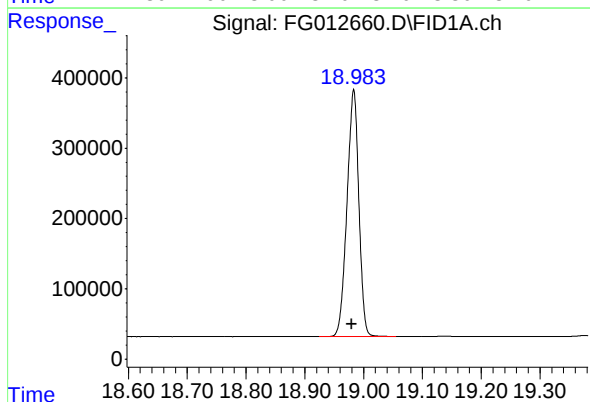
R.T.: 17.261 min
Delta R.T.: 0.003 min
Response: 5130920
Conc: 50.96 ug/ml



#17 n-Tricontane (C30)

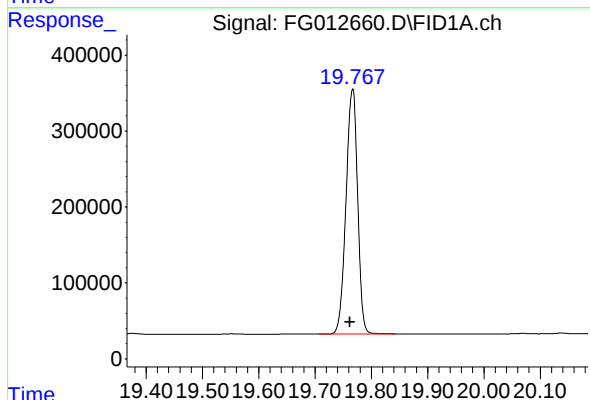
R.T.: 18.149 min
Delta R.T.: 0.002 min
Response: 5033169
Conc: 50.79 ug/ml

Instrument :
FID_G
ClientSampleId :
50 PPM ALIPHATIC HC STD2



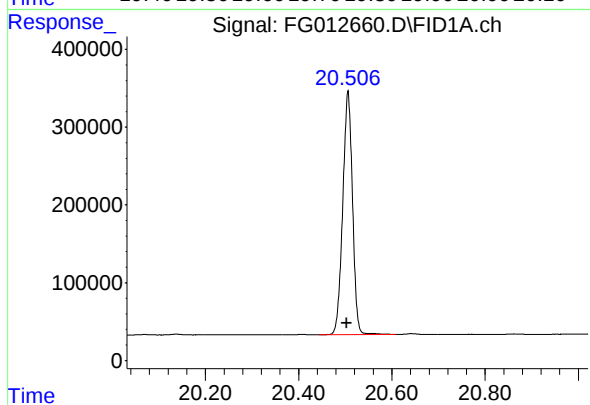
#18 n-Dotriacontane (C32)

R.T.: 18.983 min
Delta R.T.: 0.003 min
Response: 4906590
Conc: 49.70 ug/ml



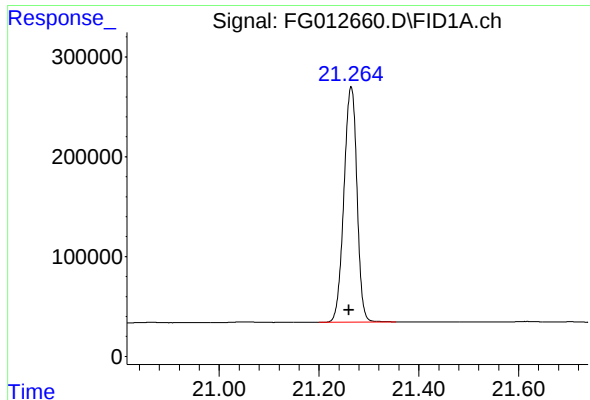
#19 n-Tetratriacontane (C34)

R.T.: 19.767 min
Delta R.T.: 0.005 min
Response: 4629255
Conc: 50.40 ug/ml



#20 n-Hexatriacontane (C36)

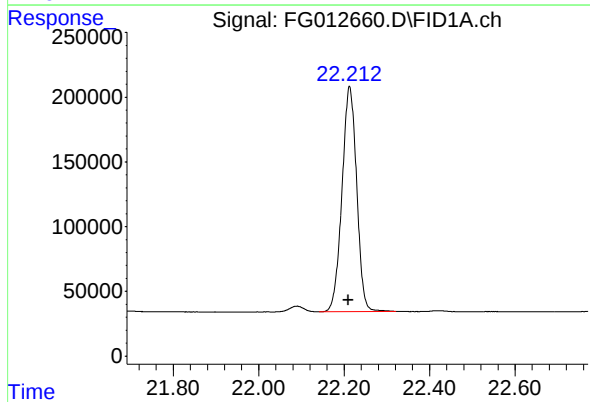
R.T.: 20.506 min
Delta R.T.: 0.003 min
Response: 4541047
Conc: 50.49 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.264 min
Delta R.T.: 0.005 min
Response: 4277751
Conc: 50.00 ug/ml

Instrument :
FID_G
ClientSampleId :
50 PPM ALIPHATIC HC STD2



#22 n-Tetracontane (C40)

R.T.: 22.212 min
Delta R.T.: 0.003 min
Response: 4146312
Conc: 50.53 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG081023AL\
Data File : FG012660.D
Signal(s) : FID1A.ch
Acq On : 10 Aug 2023 11:40
Sample : 50 PPM ALIPHATIC HC STD2
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 081023.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.348	3.319	3.387	VV	539539	5216961	76.60%	4.499%
2	4.599	4.555	4.650	BB	537908	5253320	77.14%	4.530%
3	6.305	6.269	6.340	BV	612059	5716987	83.94%	4.930%
4	6.771	6.739	6.822	BB	546987	5347713	78.52%	4.611%
5	7.404	7.363	7.431	BV	594313	5746215	84.37%	4.955%
6	8.604	8.568	8.652	BB	529656	5381878	79.02%	4.641%
7	10.217	10.172	10.269	BB	495582	5480593	80.47%	4.726%
8	11.666	11.626	11.711	BB	482359	5572660	81.82%	4.805%
9	11.986	11.937	12.019	BB	618176	6810466	100.00%	5.873%
10	12.979	12.935	13.026	BB	489076	5583773	81.99%	4.815%
11	13.425	13.355	13.458	BB	458408	5297991	77.79%	4.568%
12	13.593	13.544	13.632	BB	456349	5576007	81.87%	4.808%
13	14.181	14.129	14.231	BB	462148	5541693	81.37%	4.779%
14	15.287	15.243	15.341	BB	446044	5458946	80.16%	4.707%
15	16.310	16.256	16.365	BB	401389	5318858	78.10%	4.586%
16	17.261	17.218	17.314	BB	380644	5130920	75.34%	4.424%
17	18.149	18.091	18.217	BB	364218	5033169	73.90%	4.340%
18	18.983	18.924	19.055	BB	351596	4906590	72.04%	4.231%
19	19.767	19.707	19.843	BB	322826	4629255	67.97%	3.992%
20	20.506	20.443	20.608	BB	313445	4541047	66.68%	3.916%
21	21.264	21.200	21.354	BB	236113	4277751	62.81%	3.689%
22	22.212	22.141	22.321	PBA	174128	4146312	60.88%	3.575%
Sum of corrected areas:						115969105		

Aliphatic EPH 081023.M Thu Aug 10 16:30:42 2023

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG081023AL\
 Data File : FG012661.D
 Signal(s) : FID1A.ch
 Acq On : 10 Aug 2023 12:10
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD3
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 20 PPM ALIPHATIC HC STD3

Integration File: autoint1.e
 Quant Time: Aug 10 12:46:07 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 081023.M
 Quant Title : GC Extractables
 QLast Update : Thu Aug 10 12:45:52 2023
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.982	2672966	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
12) S 1-chlorooctadecane (S...	13.422	2069746	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
Target Compounds			
1) T n-Nonane (C9)	3.345	2063855	20.000 ug/ml
2) T n-Decane (C10)	4.597	2088327	20.000 ug/ml
3) T A~Naphthalene (C11.7)	6.303	2267852	20.000 ug/ml
4) T n-Dodecane (C12)	6.769	2122031	20.000 ug/ml
5) T A~2-methylnaphthalene...	7.401	2274792	20.000 ug/ml
6) T n-Tetradecane (C14)	8.601	2132684	20.000 ug/ml
7) T n-Hexadecane (C16)	10.214	2158814	20.000 ug/ml
8) T n-Octadecane (C18)	11.663	2189521	20.000 ug/ml
10) T n-Eicosane (C20)	12.976	2190668	20.000 ug/ml
11) T n-Heneicosane (C21)	13.590	2192596	20.000 ug/ml
13) T n-Docosane (C22)	14.178	2176874	20.000 ug/ml
14) T n-Tetracosane (C24)	15.284	2147357	20.000 ug/ml
15) T n-Hexacosane (C26)	16.306	2092176	20.000 ug/ml
16) T n-Octacosane (C28)	17.258	2013775	20.000 ug/ml
17) T n-Tricontane (C30)	18.147	1982018	20.000 ug/ml
18) T n-Dotriacontane (C32)	18.980	1974542	20.000 ug/ml
19) T n-Tetratriacontane (C34)	19.762	1837135	20.000 ug/ml
20) T n-Hexatriacontane (C36)	20.503	1798645	20.000 ug/ml
21) T n-Octatriacontane (C38)	21.260	1711169	20.000 ug/ml
22) T n-Tetracontane (C40)	22.209	1641101	20.000 ug/ml

(f)=RT Delta > 1/2 Window

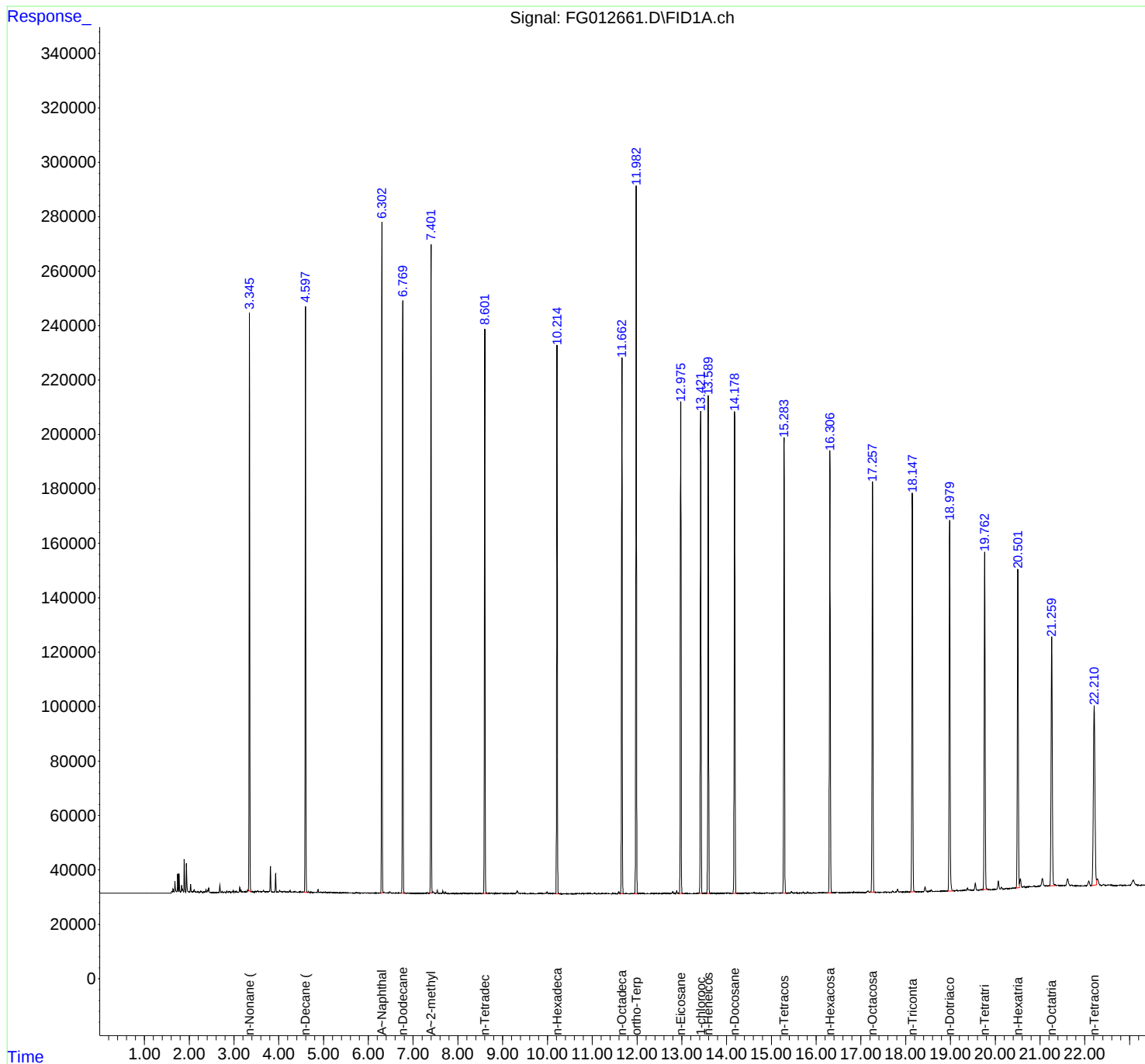
(m)=manual int.

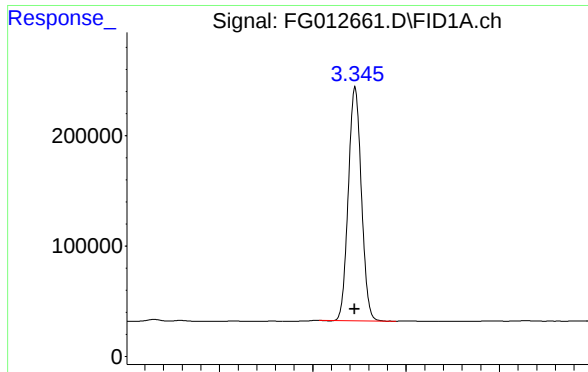
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG081023AL\
Data File : FG012661.D
Signal(s) : FID1A.ch
Acq On : 10 Aug 2023 12:10
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD3
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD3

Integration File: autoint1.e
Quant Time: Aug 10 12:46:07 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 081023.M
Quant Title : GC Extractables
QLast Update : Thu Aug 10 12:45:52 2023
Response via : Initial Calibration
Integrator: ChemStation

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

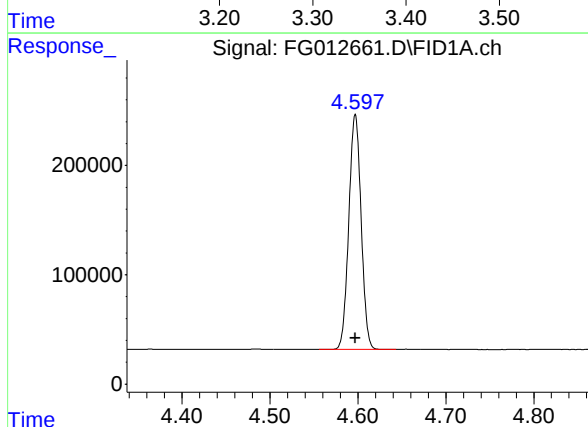




#1 n-Nonane (C9)

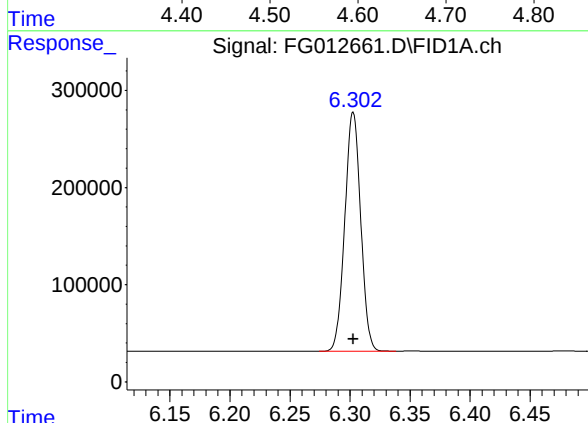
R.T.: 3.345 min
Delta R.T.: 0.000 min
Response: 2063855
Conc: 20.00 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD3



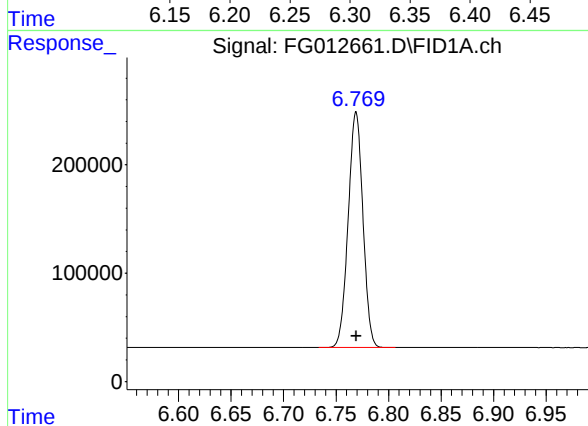
#2 n-Decane (C10)

R.T.: 4.597 min
Delta R.T.: 0.000 min
Response: 2088327
Conc: 20.00 ug/ml



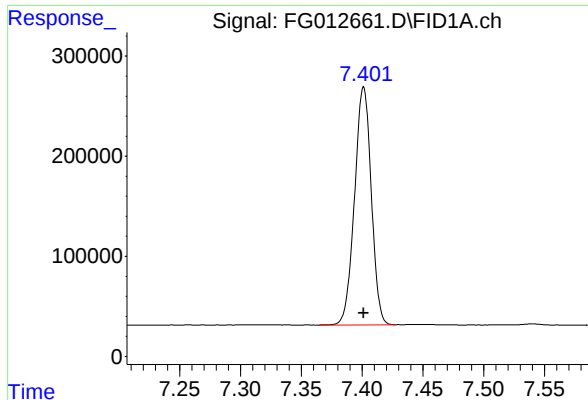
#3 A~Naphthalene (C11.7)

R.T.: 6.303 min
Delta R.T.: 0.000 min
Response: 2267852
Conc: 20.00 ug/ml



#4 n-Dodecane (C12)

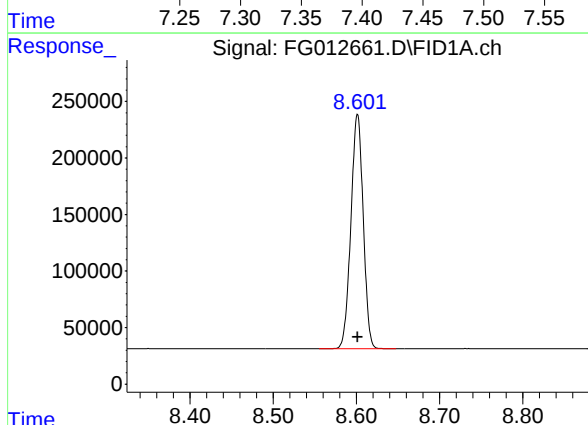
R.T.: 6.769 min
Delta R.T.: 0.000 min
Response: 2122031
Conc: 20.00 ug/ml



#5 A~2-methylnaphthalene (C12.89)

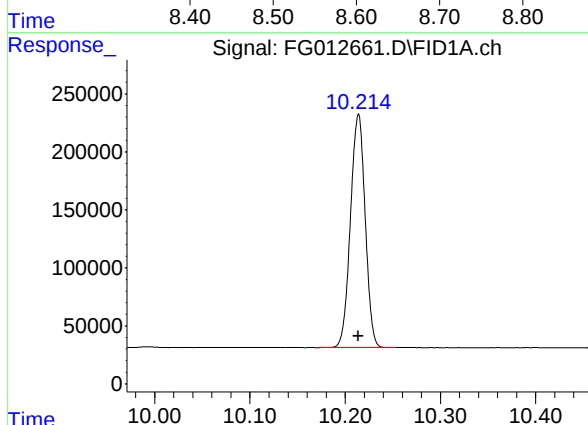
R.T.: 7.401 min
Delta R.T.: 0.000 min
Response: 2274792
Conc: 20.00 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD3



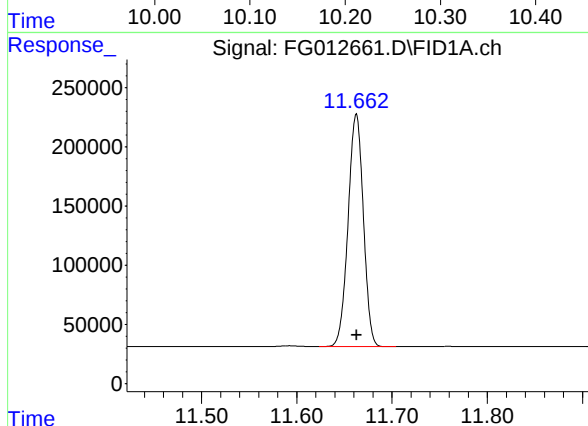
#6 n-Tetradecane (C14)

R.T.: 8.601 min
Delta R.T.: 0.000 min
Response: 2132684
Conc: 20.00 ug/ml



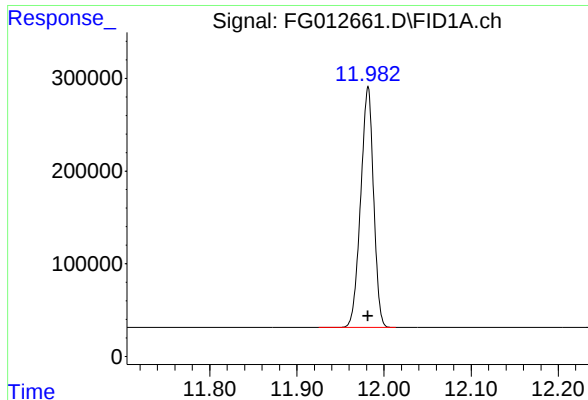
#7 n-Hexadecane (C16)

R.T.: 10.214 min
Delta R.T.: 0.000 min
Response: 2158814
Conc: 20.00 ug/ml



#8 n-Octadecane (C18)

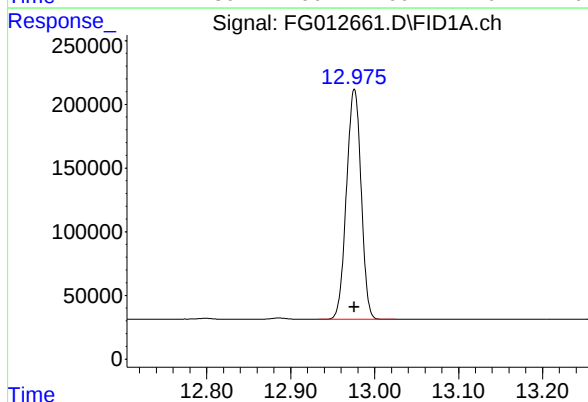
R.T.: 11.663 min
Delta R.T.: 0.000 min
Response: 2189521
Conc: 20.00 ug/ml



#9 ortho-Terphenyl (SURR)

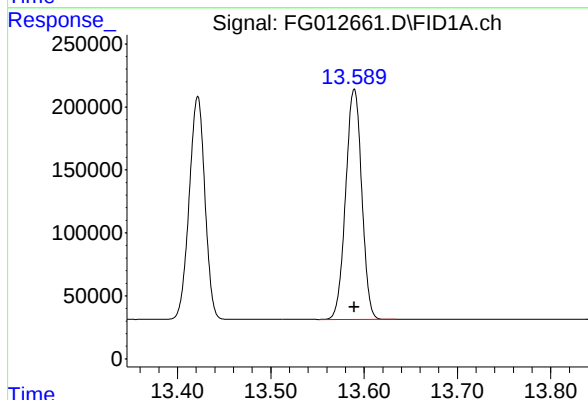
R.T.: 11.982 min
Delta R.T.: 0.000 min
Response: 2672966
Conc: 20.00 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD3



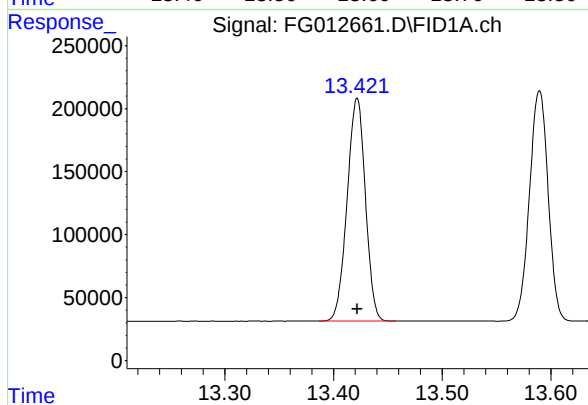
#10 n-Eicosane (C20)

R.T.: 12.976 min
Delta R.T.: 0.000 min
Response: 2190668
Conc: 20.00 ug/ml



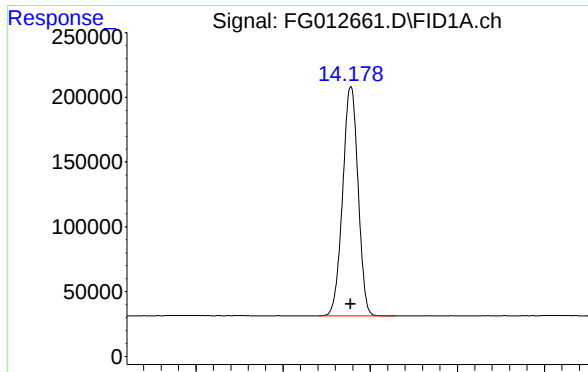
#11 n-Heneicosane (C21)

R.T.: 13.590 min
Delta R.T.: 0.000 min
Response: 2192596
Conc: 20.00 ug/ml



#12 1-chlorooctadecane (SURR)

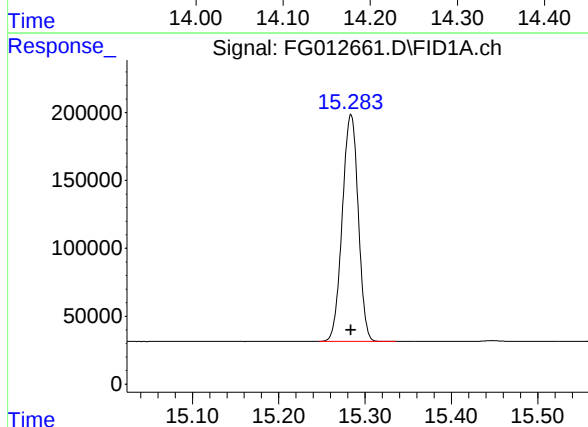
R.T.: 13.422 min
Delta R.T.: 0.000 min
Response: 2069746
Conc: 20.00 ug/ml



#13 n-Docosane (C22)

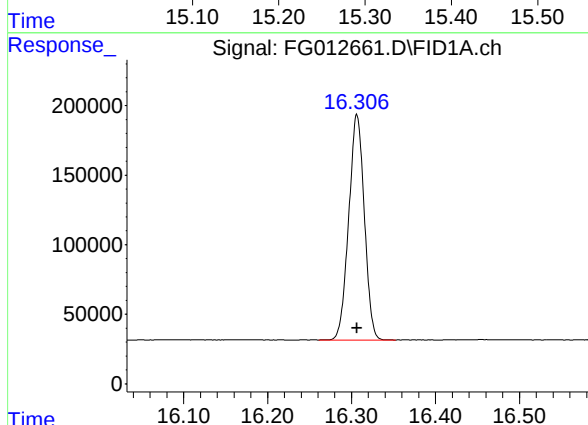
R.T.: 14.178 min
Delta R.T.: 0.000 min
Response: 2176874
Conc: 20.00 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD3



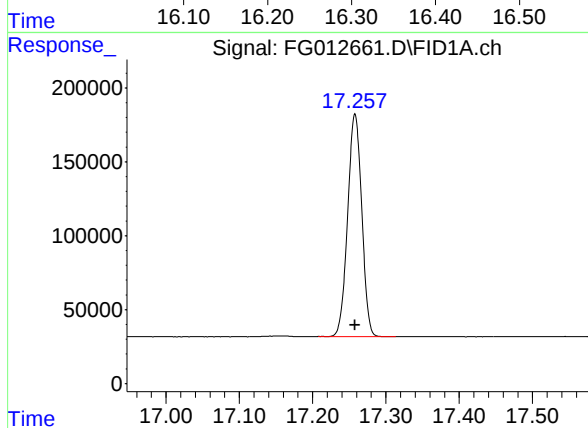
#14 n-Tetracosane (C24)

R.T.: 15.284 min
Delta R.T.: 0.000 min
Response: 2147357
Conc: 20.00 ug/ml



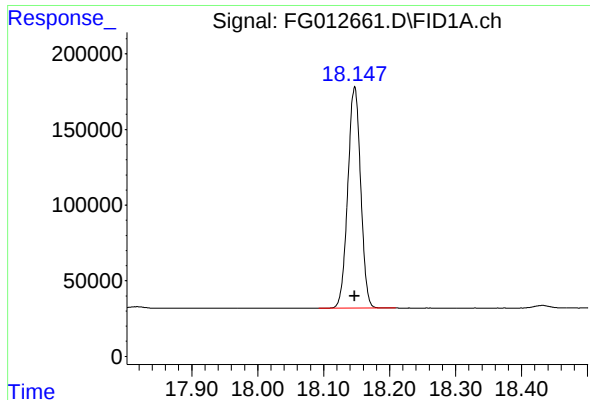
#15 n-Hexacosane (C26)

R.T.: 16.306 min
Delta R.T.: 0.000 min
Response: 2092176
Conc: 20.00 ug/ml



#16 n-Octacosane (C28)

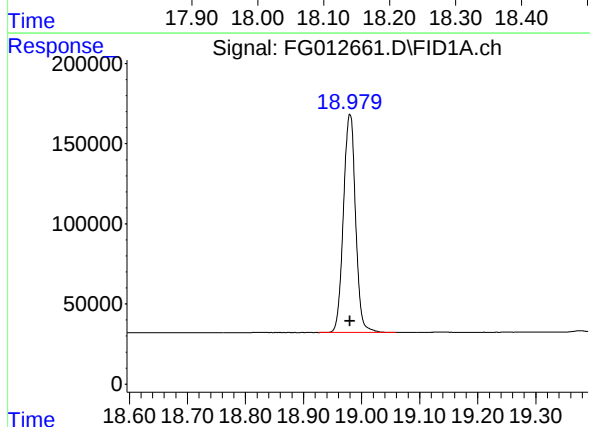
R.T.: 17.258 min
Delta R.T.: 0.000 min
Response: 2013775
Conc: 20.00 ug/ml



#17 n-Tricontane (C30)

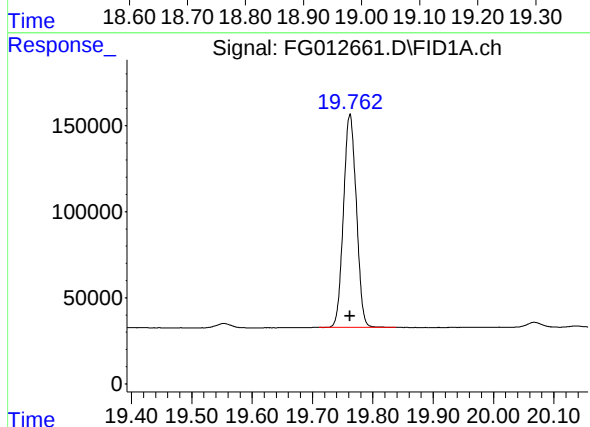
R.T.: 18.147 min
Delta R.T.: 0.000 min
Response: 1982018
Conc: 20.00 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD3



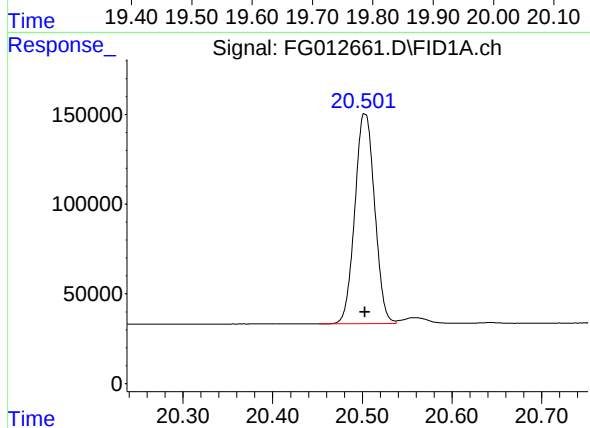
#18 n-Dotriacontane (C32)

R.T.: 18.980 min
Delta R.T.: 0.000 min
Response: 1974542
Conc: 20.00 ug/ml



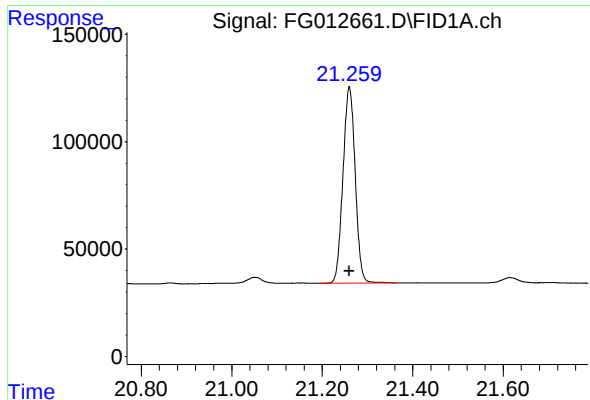
#19 n-Tetratriacontane (C34)

R.T.: 19.762 min
Delta R.T.: 0.000 min
Response: 1837135
Conc: 20.00 ug/ml



#20 n-Hexatriacontane (C36)

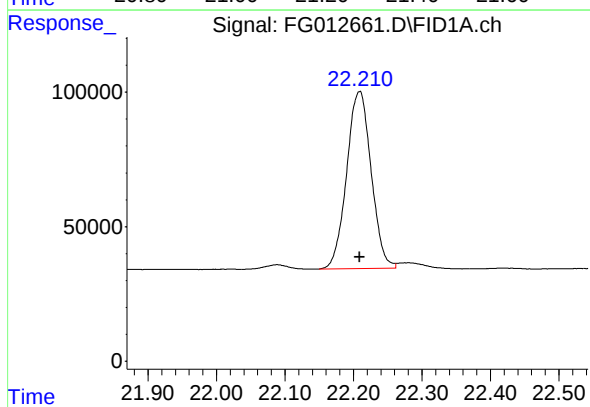
R.T.: 20.503 min
Delta R.T.: 0.000 min
Response: 1798645
Conc: 20.00 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.260 min
Delta R.T.: 0.000 min
Response: 1711169
Conc: 20.00 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD3



#22 n-Tetracontane (C40)

R.T.: 22.209 min
Delta R.T.: 0.000 min
Response: 1641101
Conc: 20.00 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG081023AL\
Data File : FG012661.D
Signal(s) : FID1A.ch
Acq On : 10 Aug 2023 12:10
Sample : 20 PPM ALIPHATIC HC STD3
Misc :
ALS Vial : 4 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 081023.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.345	3.318	3.389	VV	212488	2077733	77.73%	4.535%
2	4.597	4.556	4.643	BB	215097	2088327	78.13%	4.558%
3	6.303	6.274	6.338	BV	246204	2267852	84.84%	4.950%
4	6.769	6.733	6.807	BB	217918	2122031	79.39%	4.632%
5	7.401	7.364	7.428	BV	238147	2274792	85.10%	4.965%
6	8.601	8.555	8.648	BB	207372	2132684	79.79%	4.655%
7	10.214	10.173	10.253	BB	201669	2158814	80.76%	4.712%
8	11.663	11.623	11.704	BB	196740	2189521	81.91%	4.779%
9	11.982	11.925	12.013	BB	259710	2672966	100.00%	5.835%
10	12.976	12.933	13.025	BB	180713	2190668	81.96%	4.782%
11	13.422	13.387	13.458	BB	177228	2069746	77.43%	4.518%
12	13.590	13.552	13.634	BB	182951	2192596	82.03%	4.786%
13	14.178	14.141	14.229	BB	177005	2176874	81.44%	4.752%
14	15.284	15.247	15.336	BB	167124	2147357	80.34%	4.687%
15	16.306	16.261	16.352	BB	162166	2092176	78.27%	4.567%
16	17.258	17.208	17.313	BB	150746	2013775	75.34%	4.396%
17	18.147	18.093	18.209	BB	146340	1982018	74.15%	4.326%
18	18.980	18.927	19.059	BB	136009	1974542	73.87%	4.310%
19	19.762	19.711	19.838	BB	124124	1837135	68.73%	4.010%
20	20.503	20.452	20.538	BV	116902	1798645	67.29%	3.926%
21	21.260	21.193	21.363	BB	91561	1711169	64.02%	3.735%
22	22.209	22.150	22.262	BV	65933	1641101	61.40%	3.582%
Sum of corrected areas:						45812523		

Aliphatic EPH 081023.M Thu Aug 10 16:31:11 2023

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG081023AL\
 Data File : FG012662.D
 Signal(s) : FID1A.ch
 Acq On : 10 Aug 2023 12:40
 Operator : YP\AJ
 Sample : 10 PPM ALIPHATIC HC STD4
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 10 PPM ALIPHATIC HC STD4

Integration File: autoint1.e
 Quant Time: Aug 10 13:12:02 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 081023.M
 Quant Title : GC Extractables
 QLast Update : Thu Aug 10 12:45:52 2023
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.980	1362185	10.192 ug/ml
Spiked Amount 50.000		Recovery =	20.38%
12) S 1-chlorooctadecane (S...	13.421	1048329	10.130 ug/ml
Spiked Amount 50.000		Recovery =	20.26%
Target Compounds			
1) T n-Nonane (C9)	3.345	1047165	10.148 ug/ml
2) T n-Decane (C10)	4.597	1066818	10.217 ug/ml
3) T A~Naphthalene (C11.7)	6.303	1159465	10.225 ug/ml
4) T n-Dodecane (C12)	6.769	1086199	10.237 ug/ml
5) T A~2-methylnaphthalene...	7.401	1162041	10.217 ug/ml
6) T n-Tetradecane (C14)	8.601	1091827	10.239 ug/ml
7) T n-Hexadecane (C16)	10.214	1103570	10.224 ug/ml
8) T n-Octadecane (C18)	11.662	1115920	10.193 ug/ml
10) T n-Eicosane (C20)	12.975	1113561	10.166 ug/ml
11) T n-Heneicosane (C21)	13.589	1114055	10.162 ug/ml
13) T n-Docosane (C22)	14.178	1104738	10.150 ug/ml
14) T n-Tetracosane (C24)	15.283	1087935	10.133 ug/ml
15) T n-Hexacosane (C26)	16.306	1058869	10.122 ug/ml
16) T n-Octacosane (C28)	17.258	1023409	10.164 ug/ml
17) T n-Tricontane (C30)	18.146	1006243	10.154 ug/ml
18) T n-Dotriacontane (C32)	18.979	993320	10.061 ug/ml
19) T n-Tetratriacontane (C34)	19.763	929079	10.114 ug/ml
20) T n-Hexatriacontane (C36)	20.503	888283	9.877 ug/ml
21) T n-Octatriacontane (C38)	21.260	851418	9.951 ug/ml
22) T n-Tetracontane (C40)	22.210	797499	9.719 ug/ml

(f)=RT Delta > 1/2 Window

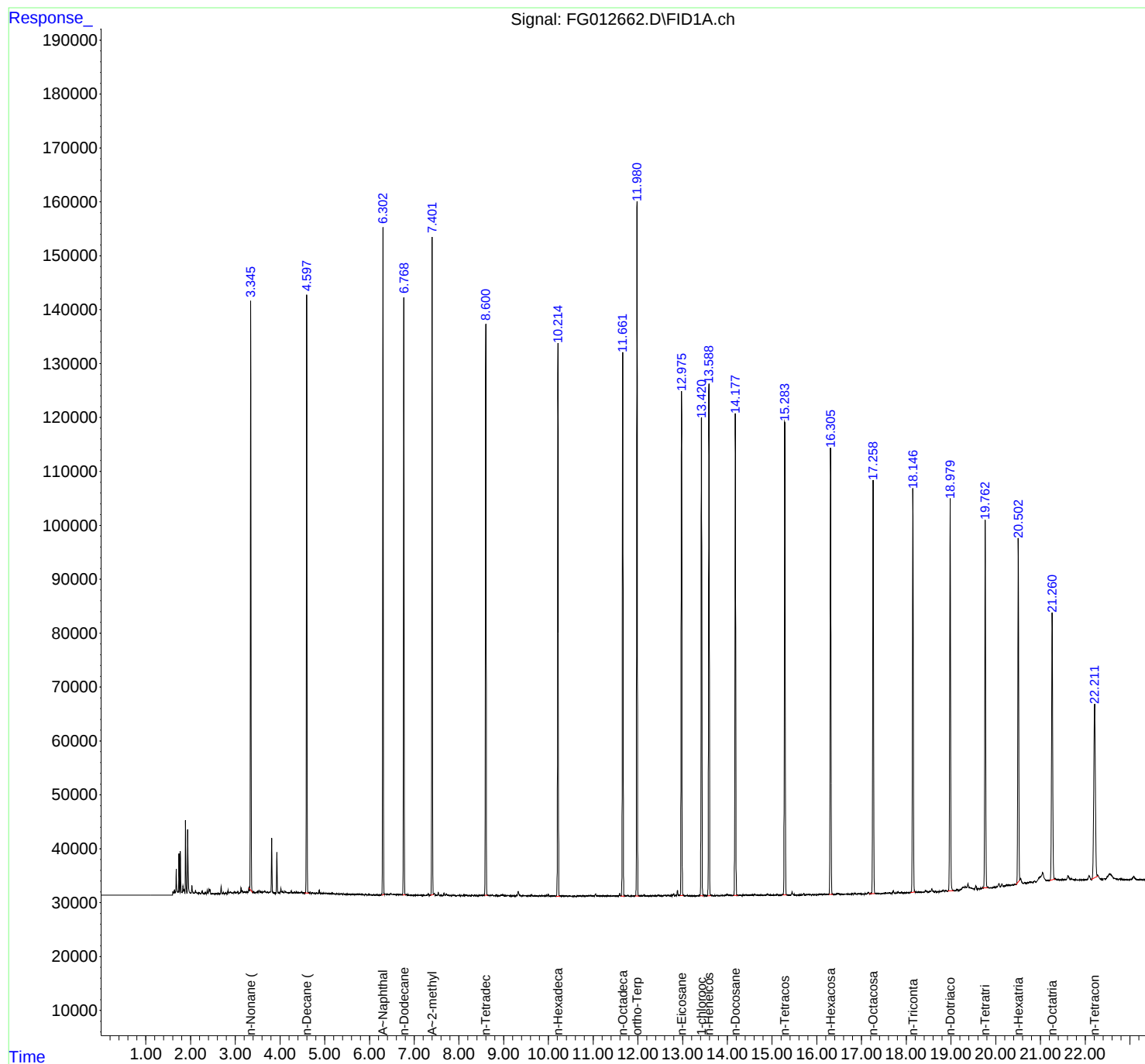
(m)=manual int.

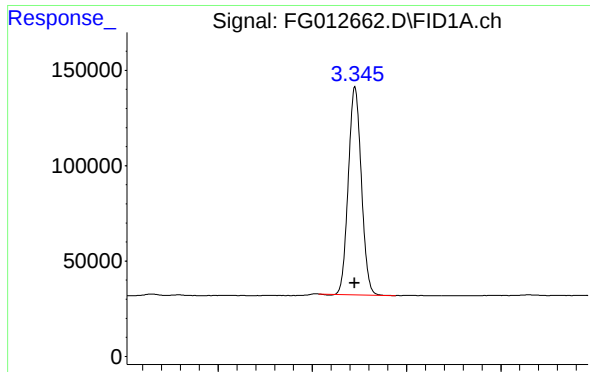
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG081023AL\
Data File : FG012662.D
Signal(s) : FID1A.ch
Acq On : 10 Aug 2023 12:40
Operator : YP\AJ
Sample : 10 PPM ALIPHATIC HC STD4
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
10 PPM ALIPHATIC HC STD4

Integration File: autoint1.e
Quant Time: Aug 10 13:12:02 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 081023.M
Quant Title : GC Extractables
QLast Update : Thu Aug 10 12:45:52 2023
Response via : Initial Calibration
Integrator: ChemStation

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

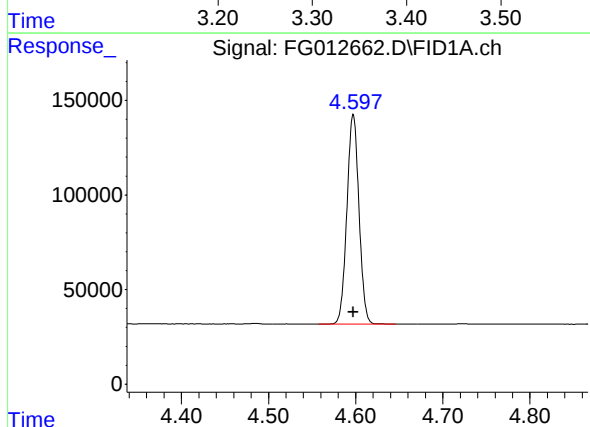




#1 n-Nonane (C9)

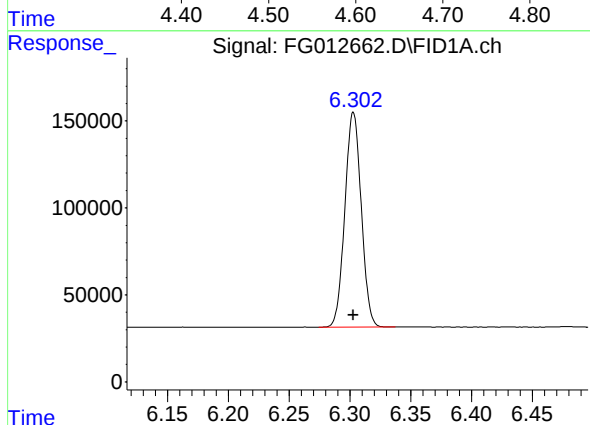
R.T.: 3.345 min
Delta R.T.: 0.000 min
Response: 1047165
Conc: 10.15 ug/ml

Instrument :
FID_G
ClientSampleId :
10 PPM ALIPHATIC HC STD4



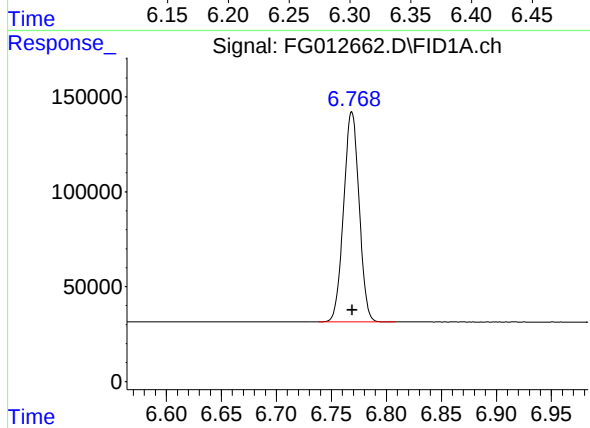
#2 n-Decane (C10)

R.T.: 4.597 min
Delta R.T.: 0.000 min
Response: 1066818
Conc: 10.22 ug/ml



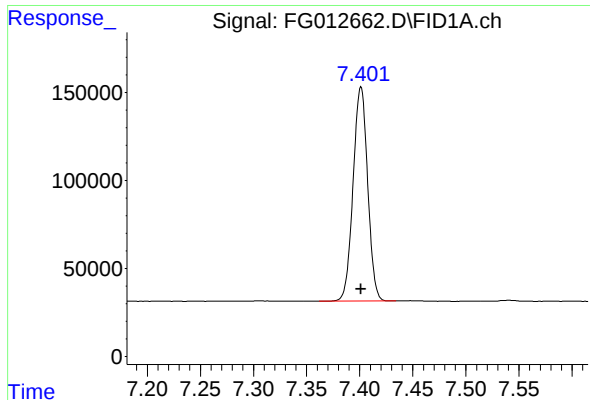
#3 A~Naphthalene (C11.7)

R.T.: 6.303 min
Delta R.T.: 0.000 min
Response: 1159465
Conc: 10.23 ug/ml



#4 n-Dodecane (C12)

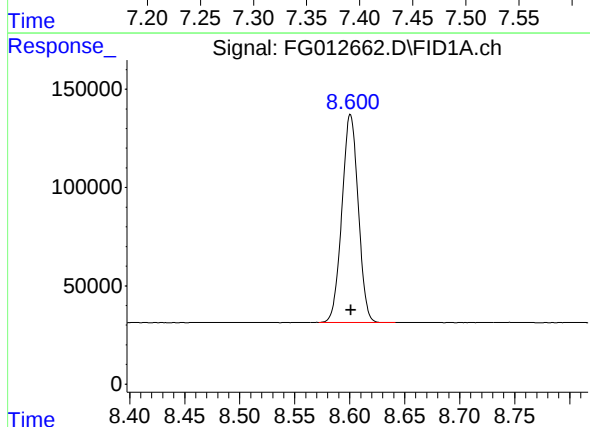
R.T.: 6.769 min
Delta R.T.: 0.000 min
Response: 1086199
Conc: 10.24 ug/ml



#5 A~2-methylnaphthalene (C12.89)

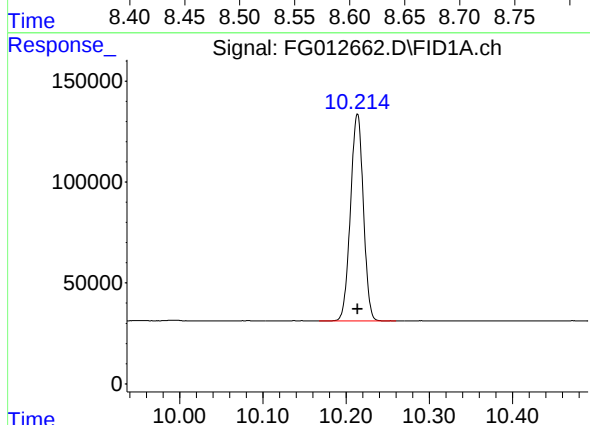
R.T.: 7.401 min
Delta R.T.: 0.000 min
Response: 1162041
Conc: 10.22 ug/ml

Instrument :
FID_G
ClientSampleId :
10 PPM ALIPHATIC HC STD4



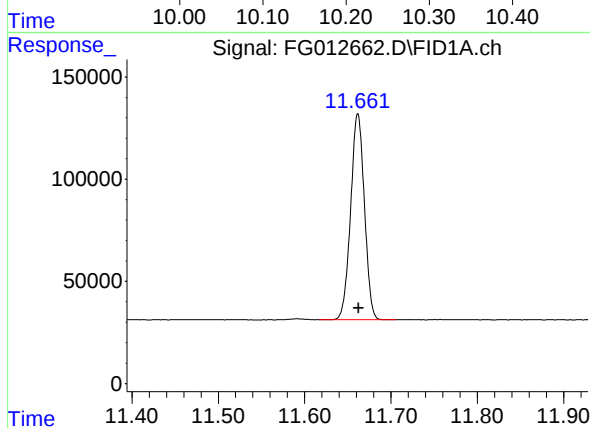
#6 n-Tetradecane (C14)

R.T.: 8.601 min
Delta R.T.: 0.000 min
Response: 1091827
Conc: 10.24 ug/ml



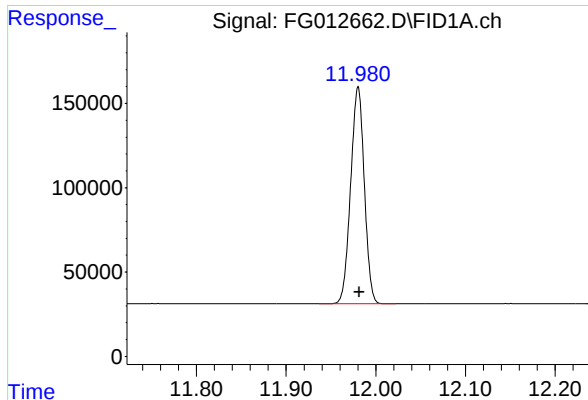
#7 n-Hexadecane (C16)

R.T.: 10.214 min
Delta R.T.: 0.000 min
Response: 1103570
Conc: 10.22 ug/ml



#8 n-Octadecane (C18)

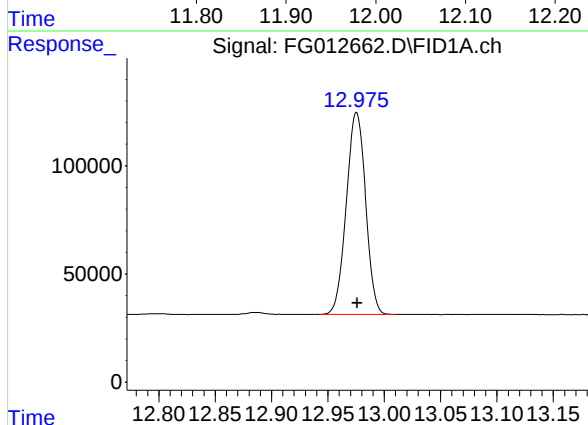
R.T.: 11.662 min
Delta R.T.: 0.000 min
Response: 1115920
Conc: 10.19 ug/ml



#9 ortho-Terphenyl (SURR)

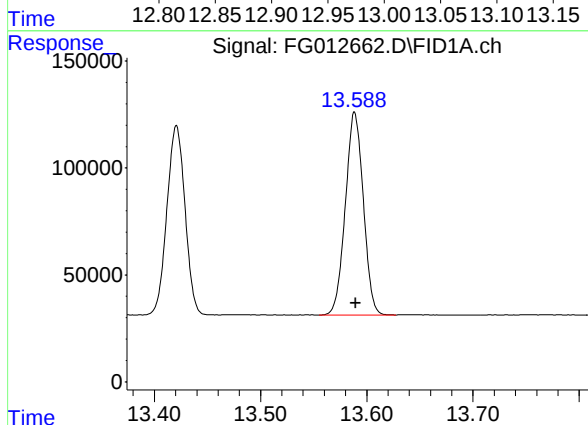
R.T.: 11.980 min
Delta R.T.: -0.001 min
Response: 1362185
Conc: 10.19 ug/ml

Instrument :
FID_G
ClientSampleId :
10 PPM ALIPHATIC HC STD4



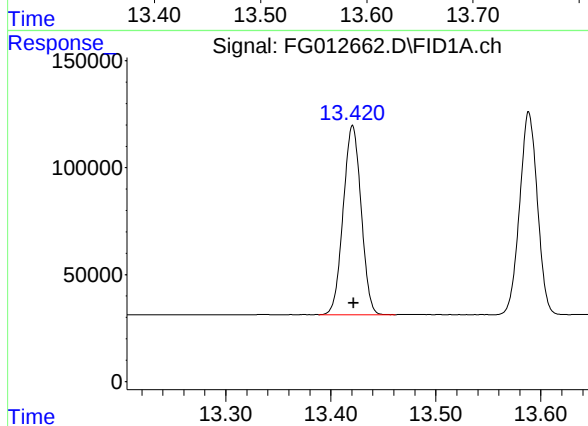
#10 n-Eicosane (C20)

R.T.: 12.975 min
Delta R.T.: 0.000 min
Response: 1113561
Conc: 10.17 ug/ml



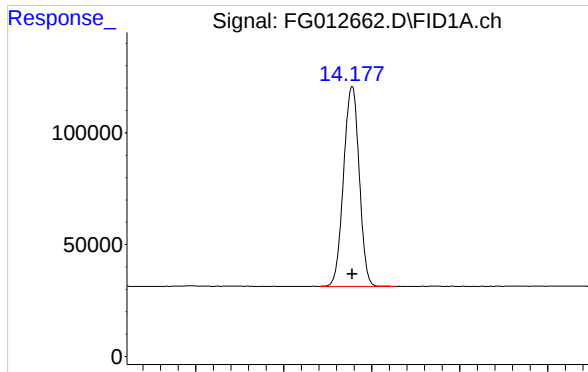
#11 n-Heneicosane (C21)

R.T.: 13.589 min
Delta R.T.: -0.001 min
Response: 1114055
Conc: 10.16 ug/ml



#12 1-chlorooctadecane (SURR)

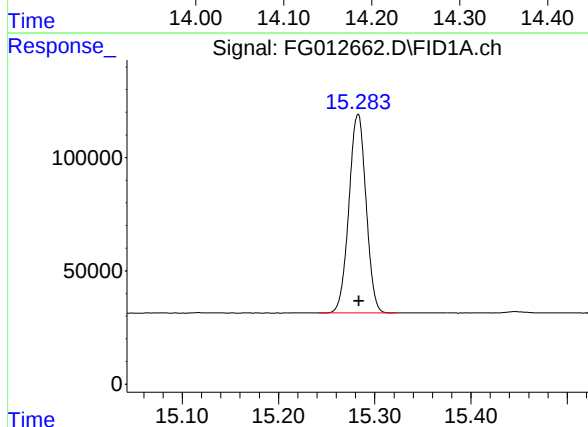
R.T.: 13.421 min
Delta R.T.: -0.001 min
Response: 1048329
Conc: 10.13 ug/ml



#13 n-Docosane (C22)

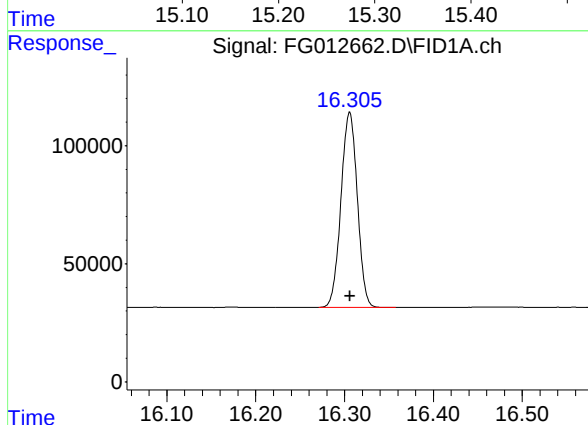
R.T.: 14.178 min
Delta R.T.: 0.000 min
Response: 1104738
Conc: 10.15 ug/ml

Instrument :
FID_G
ClientSampleId :
10 PPM ALIPHATIC HC STD4



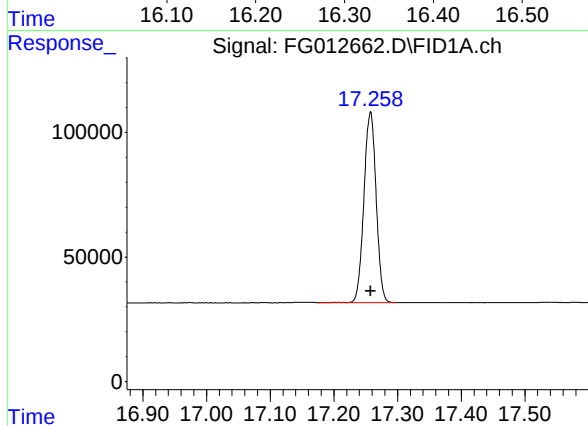
#14 n-Tetracosane (C24)

R.T.: 15.283 min
Delta R.T.: -0.001 min
Response: 1087935
Conc: 10.13 ug/ml



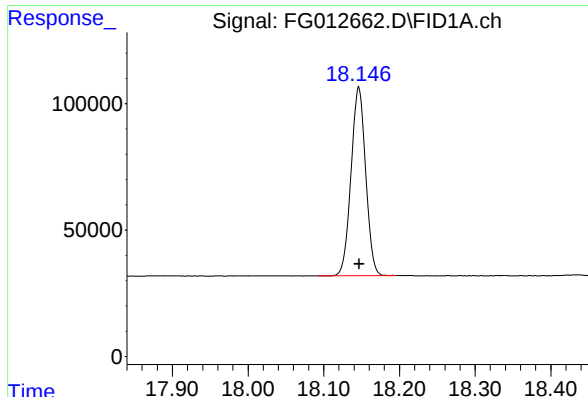
#15 n-Hexacosane (C26)

R.T.: 16.306 min
Delta R.T.: 0.000 min
Response: 1058869
Conc: 10.12 ug/ml



#16 n-Octacosane (C28)

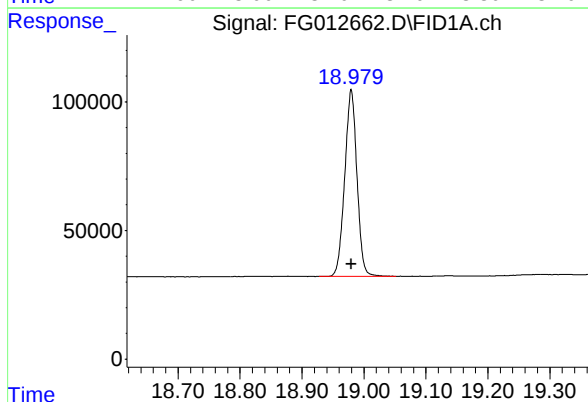
R.T.: 17.258 min
Delta R.T.: 0.000 min
Response: 1023409
Conc: 10.16 ug/ml



#17 n-Tricontane (C30)

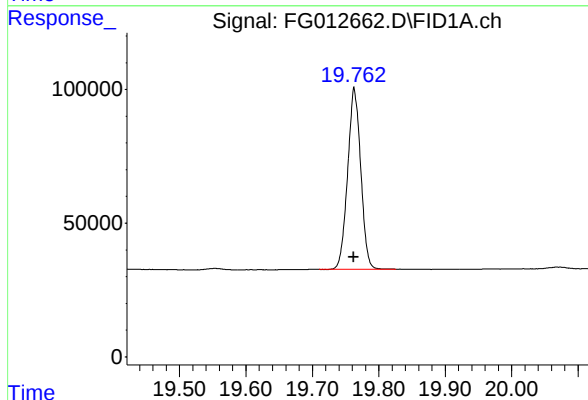
R.T.: 18.146 min
Delta R.T.: 0.000 min
Response: 1006243
Conc: 10.15 ug/ml

Instrument :
FID_G
ClientSampleId :
10 PPM ALIPHATIC HC STD4



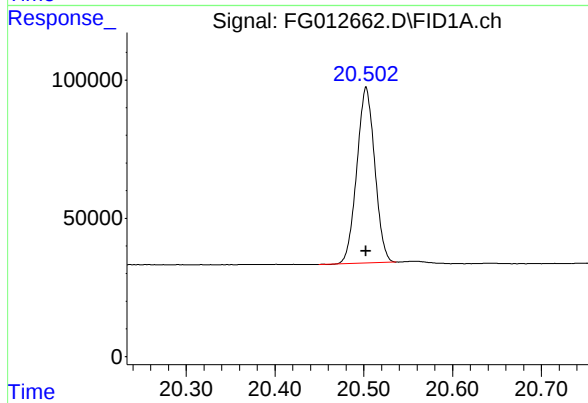
#18 n-Dotriacontane (C32)

R.T.: 18.979 min
Delta R.T.: 0.000 min
Response: 993320
Conc: 10.06 ug/ml



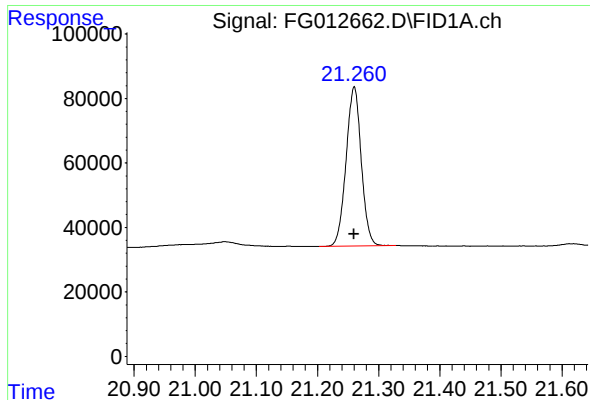
#19 n-Tetatriacontane (C34)

R.T.: 19.763 min
Delta R.T.: 0.000 min
Response: 929079
Conc: 10.11 ug/ml



#20 n-Hexatriacontane (C36)

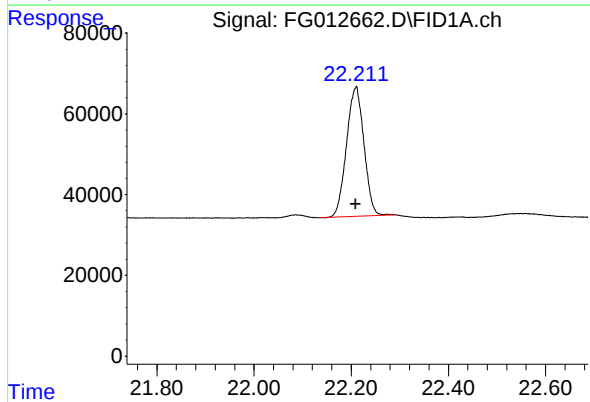
R.T.: 20.503 min
Delta R.T.: 0.000 min
Response: 888283
Conc: 9.88 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.260 min
Delta R.T.: 0.000 min
Response: 851418
Conc: 9.95 ug/ml

Instrument :
FID_G
ClientSampleId :
10 PPM ALIPHATIC HC STD4



#22 n-Tetracontane (C40)

R.T.: 22.210 min
Delta R.T.: 0.001 min
Response: 797499
Conc: 9.72 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG081023AL\
 Data File : FG012662.D
 Signal(s) : FID1A.ch
 Acq On : 10 Aug 2023 12:40
 Sample : 10 PPM ALIPHATIC HC STD4
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 081023.M
 Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.345	3.319	3.388	VB	109561	1061450	77.92%	4.570%
2	4.597	4.558	4.646	BB	110825	1066818	78.32%	4.593%
3	6.303	6.274	6.338	BB	123571	1159465	85.12%	4.992%
4	6.769	6.738	6.808	BB	110752	1086199	79.74%	4.677%
5	7.401	7.362	7.434	BV	121822	1162041	85.31%	5.003%
6	8.601	8.572	8.642	BB	105895	1091827	80.15%	4.701%
7	10.214	10.168	10.260	BB	102633	1103570	81.01%	4.751%
8	11.662	11.617	11.706	BB	100903	1115920	81.92%	4.805%
9	11.980	11.937	12.023	BB	128710	1362185	100.00%	5.865%
10	12.975	12.942	13.010	BB	93536	1113561	81.75%	4.794%
11	13.421	13.388	13.462	BB	88675	1048329	76.96%	4.514%
12	13.589	13.555	13.628	BB	95006	1114055	81.78%	4.797%
13	14.178	14.140	14.228	BB	89412	1104738	81.10%	4.756%
14	15.283	15.242	15.322	BB	87686	1087935	79.87%	4.684%
15	16.306	16.271	16.358	BB	82869	1058869	77.73%	4.559%
16	17.258	17.177	17.297	BB	76608	1023409	75.13%	4.406%
17	18.146	18.093	18.195	BB	74881	1006243	73.87%	4.332%
18	18.979	18.928	19.052	BB	72743	993320	72.92%	4.277%
19	19.763	19.710	19.826	BB	68184	929079	68.21%	4.000%
20	20.503	20.449	20.536	BV	63769	888283	65.21%	3.824%
21	21.260	21.203	21.328	BB	49496	851418	62.50%	3.666%
22	22.210	22.133	22.292	BB	32247	797499	58.55%	3.434%
Sum of corrected areas:						23226213		

Aliphatic EPH 081023.M Thu Aug 10 16:31:32 2023

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG081023AL\
 Data File : FG012663.D
 Signal(s) : FID1A.ch
 Acq On : 10 Aug 2023 13:10
 Operator : YP\AJ
 Sample : 5 PPM ALIPHATIC HC STD5
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 5 PPM ALIPHATIC HC STD5

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/11/2023
 Supervised By :Ankita Jodhani 08/11/2023

Integration File: autoint1.e
 Quant Time: Aug 10 13:29:35 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 081023.M
 Quant Title : GC Extractables
 QLast Update : Thu Aug 10 12:45:52 2023
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.979	679498	5.084 ug/ml
Spiked Amount 50.000		Recovery =	10.17%
12) S 1-chlorooctadecane (S...	13.421	524737	5.071 ug/ml
Spiked Amount 50.000		Recovery =	10.14%
Target Compounds			
1) T n-Nonane (C9)	3.346	527602	5.113 ug/ml
2) T n-Decane (C10)	4.597	528697	5.063 ug/ml
3) T A~Naphthalene (C11.7)	6.303	573287	5.056 ug/ml
4) T n-Dodecane (C12)	6.768	539255	5.082 ug/ml
5) T A~2-methylnaphthalene...	7.401	575403	5.059 ug/ml
6) T n-Tetradecane (C14)	8.601	543712	5.099 ug/ml
7) T n-Hexadecane (C16)	10.214	547213	5.070 ug/ml
8) T n-Octadecane (C18)	11.661	555962	5.078 ug/ml
10) T n-Eicosane (C20)	12.974	557172	5.087 ug/ml
11) T n-Heneicosane (C21)	13.588	559340	5.102 ug/ml
13) T n-Docosane (C22)	14.176	553361	5.084 ug/ml
14) T n-Tetracosane (C24)	15.282	547535	5.100 ug/ml
15) T n-Hexacosane (C26)	16.305	532514	5.091 ug/ml
16) T n-Octacosane (C28)	17.257	514047	5.105 ug/ml
17) T n-Tricontane (C30)	18.146	510002	5.146 ug/ml
18) T n-Dotriacontane (C32)	18.979	524323	5.311 ug/ml
19) T n-Tetratriacontane (C34)	19.763	471247	5.130 ug/ml
20) T n-Hexatriacontane (C36)	20.502	460141	5.117 ug/ml
21) T n-Octatriacontane (C38)	21.260	424969	4.967 ug/ml
22) T n-Tetracontane (C40)	22.207	413367	5.038 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG081023AL\
Data File : FG012663.D
Signal(s) : FID1A.ch
Acq On : 10 Aug 2023 13:10
Operator : YP\AJ
Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 6 Sample Multiplier: 1

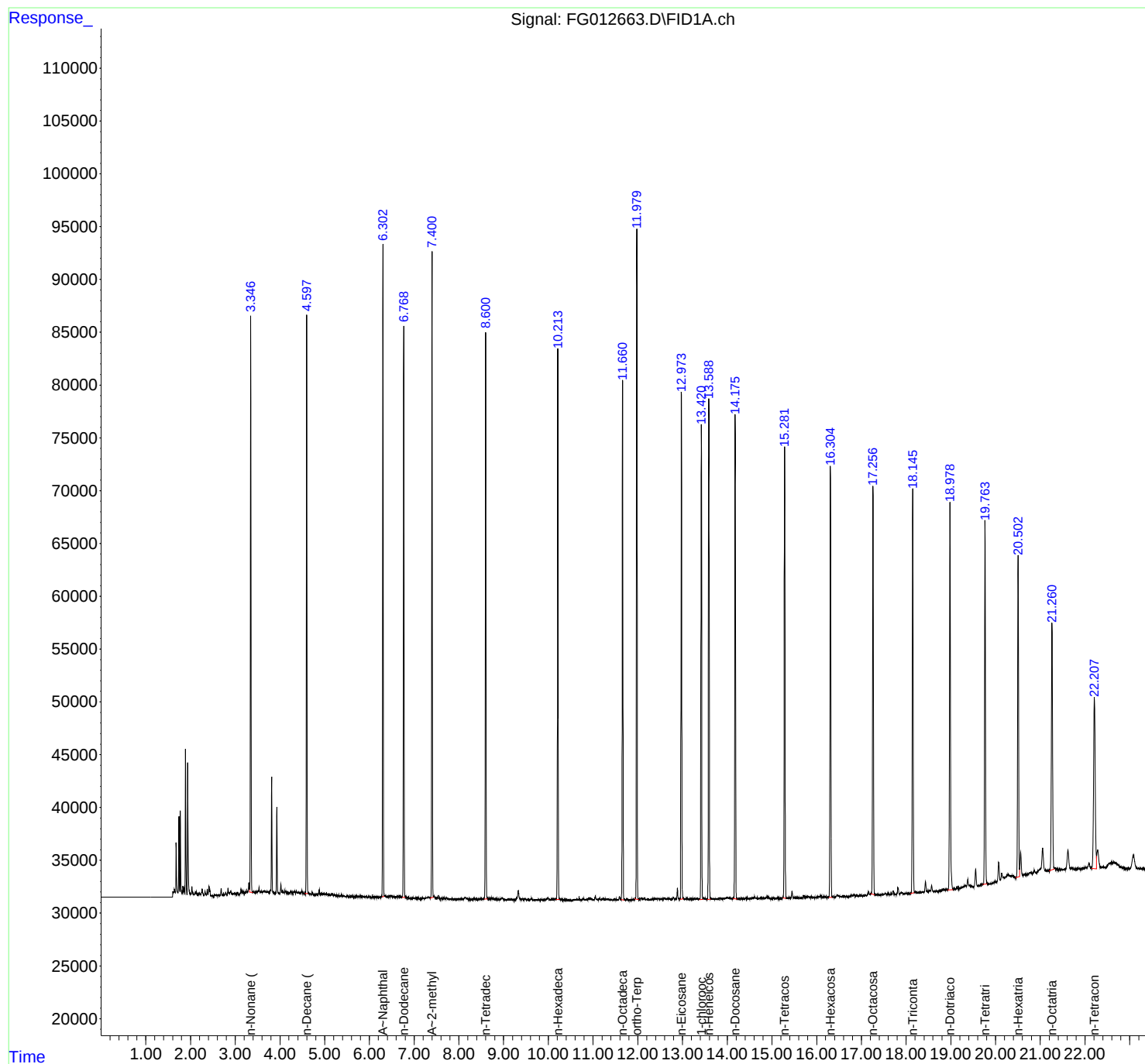
Instrument :
FID_G
ClientSampleId :
5 PPM ALIPHATIC HC STD5

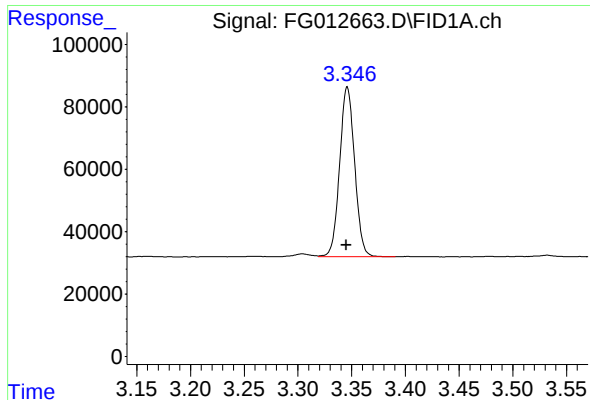
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/11/2023
Supervised By :Ankita Jodhani 08/11/2023

Integration File: autoint1.e
Quant Time: Aug 10 13:29:35 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 081023.M
Quant Title : GC Extractables
QLast Update : Thu Aug 10 12:45:52 2023
Response via : Initial Calibration
Integrator: ChemStation

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





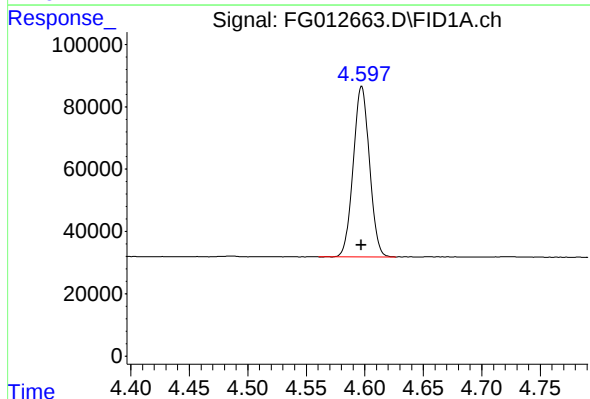
#1 n-Nonane (C9)

R.T.: 3.346 min
Delta R.T.: 0.000 min
Response: 527602
Conc: 5.11 ug/ml

Instrument :
FID_G
ClientSampleId :
5 PPM ALIPHATIC HC STD5

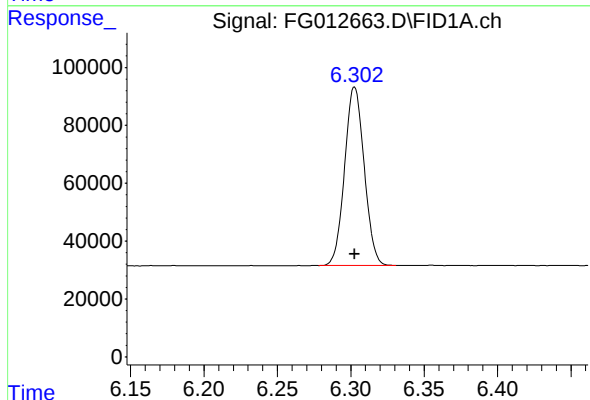
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/11/2023
Supervised By :Ankita Jodhani 08/11/2023



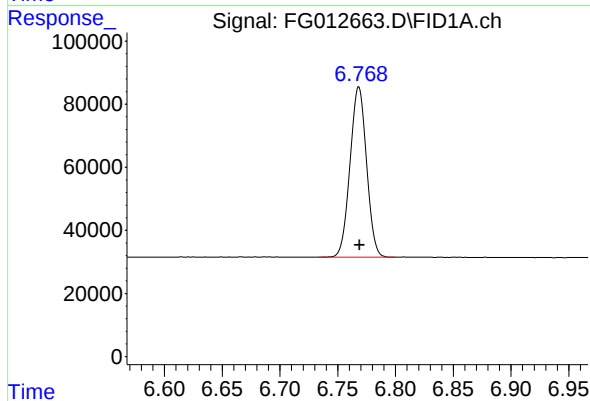
#2 n-Decane (C10)

R.T.: 4.597 min
Delta R.T.: 0.000 min
Response: 528697
Conc: 5.06 ug/ml



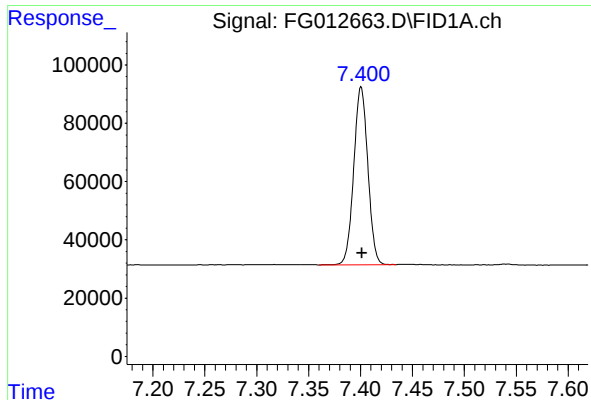
#3 A~Naphthalene (C11.7)

R.T.: 6.303 min
Delta R.T.: 0.000 min
Response: 573287
Conc: 5.06 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.768 min
Delta R.T.: 0.000 min
Response: 539255
Conc: 5.08 ug/ml



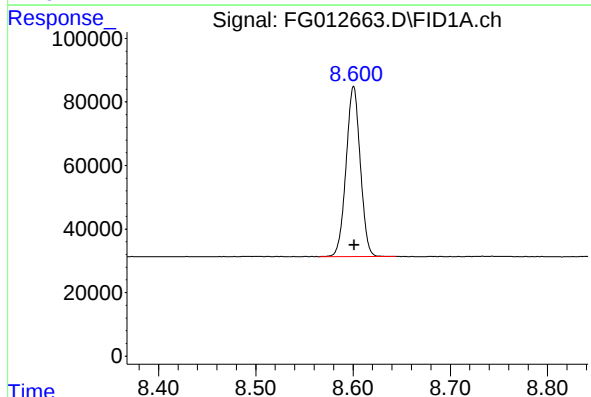
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.401 min
Delta R.T.: 0.000 min
Response: 575403
Conc: 5.06 ug/ml

Instrument :
FID_G
ClientSampleId :
5 PPM ALIPHATIC HC STD5

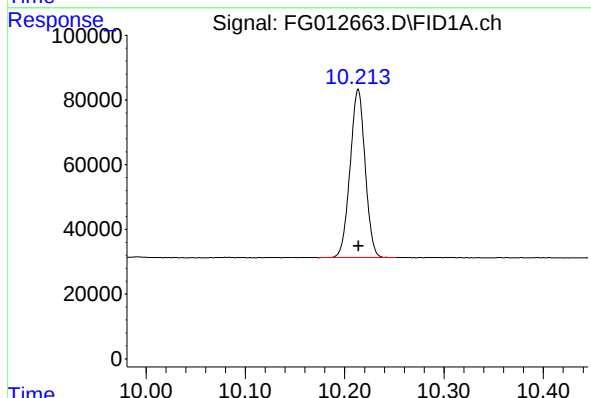
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/11/2023
Supervised By :Ankita Jodhani 08/11/2023



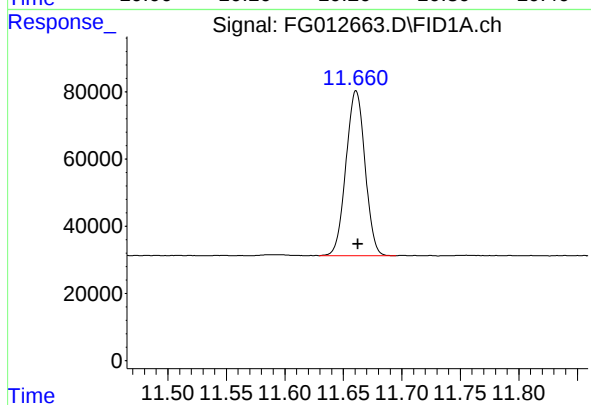
#6 n-Tetradecane (C14)

R.T.: 8.601 min
Delta R.T.: 0.000 min
Response: 543712
Conc: 5.10 ug/ml



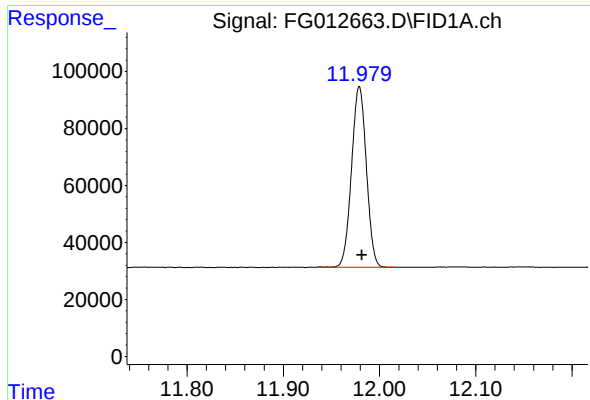
#7 n-Hexadecane (C16)

R.T.: 10.214 min
Delta R.T.: 0.000 min
Response: 547213
Conc: 5.07 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.661 min
Delta R.T.: -0.002 min
Response: 555962
Conc: 5.08 ug/ml



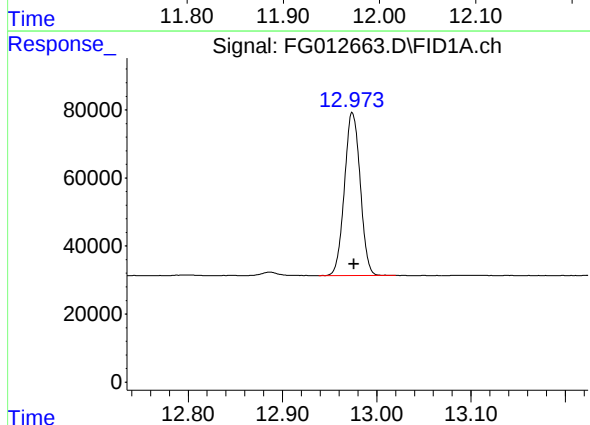
#9 ortho-Terphenyl (SURR)

R.T.: 11.979 min
Delta R.T.: -0.003 min
Response: 679498
Conc: 5.08 ug/ml

Instrument :
FID_G
ClientSampleId :
5 PPM ALIPHATIC HC STD5

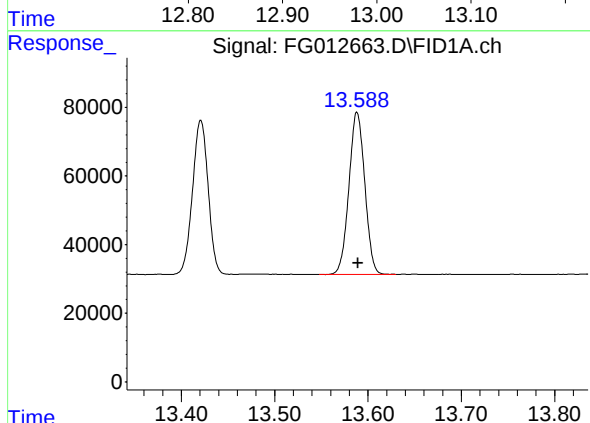
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/11/2023
Supervised By :Ankita Jodhani 08/11/2023



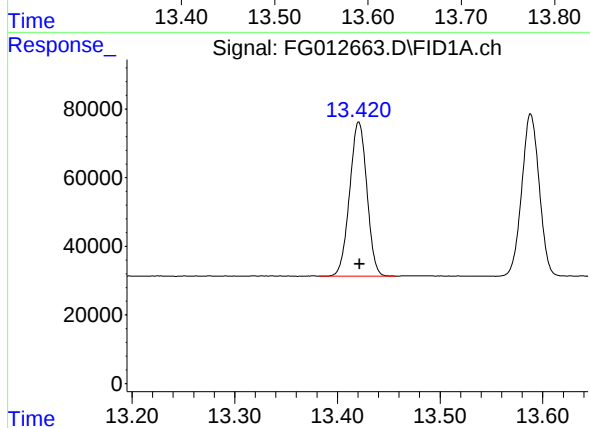
#10 n-Eicosane (C20)

R.T.: 12.974 min
Delta R.T.: -0.002 min
Response: 557172
Conc: 5.09 ug/ml



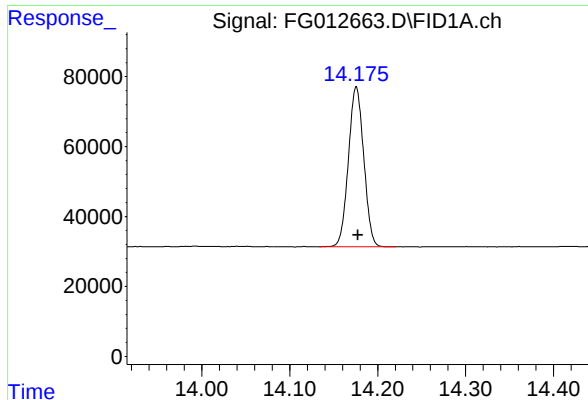
#11 n-Heneicosane (C21)

R.T.: 13.588 min
Delta R.T.: -0.001 min
Response: 559340
Conc: 5.10 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.421 min
Delta R.T.: -0.001 min
Response: 524737
Conc: 5.07 ug/ml



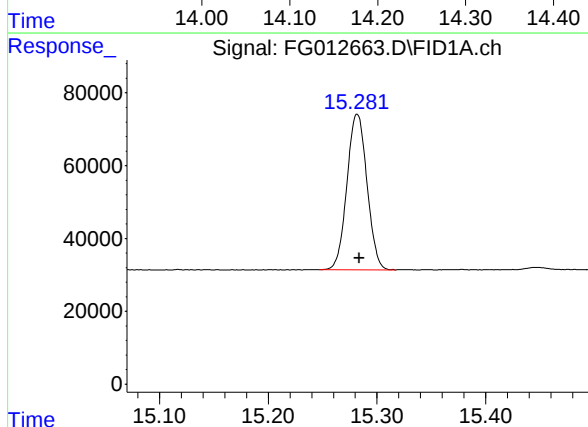
#13 n-Docosane (C22)

R.T.: 14.176 min
Delta R.T.: -0.002 min
Response: 553361
Conc: 5.08 ug/ml

Instrument :
FID_G
ClientSampleId :
5 PPM ALIPHATIC HC STD5

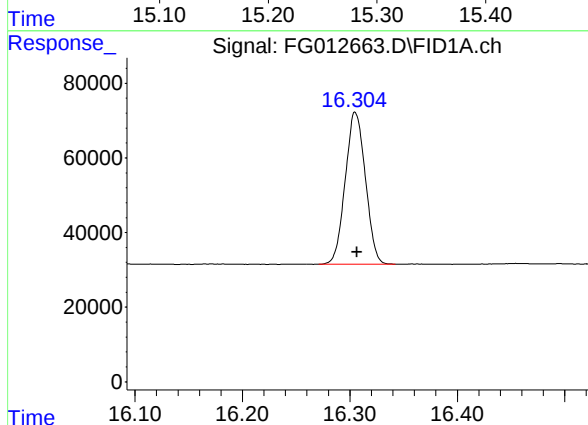
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/11/2023
Supervised By :Ankita Jodhani 08/11/2023



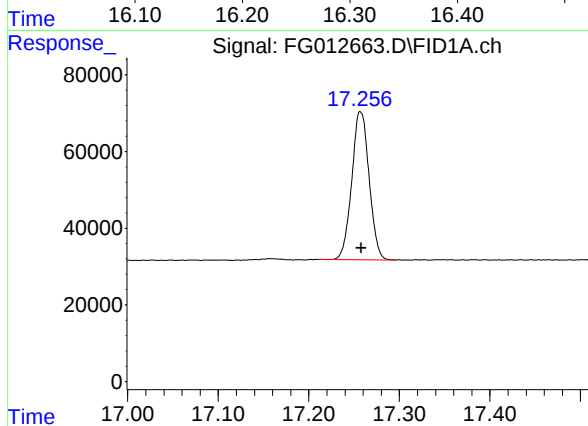
#14 n-Tetracosane (C24)

R.T.: 15.282 min
Delta R.T.: -0.002 min
Response: 547535
Conc: 5.10 ug/ml



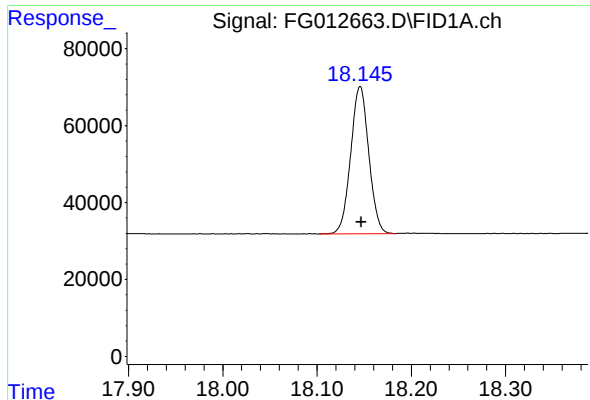
#15 n-Hexacosane (C26)

R.T.: 16.305 min
Delta R.T.: -0.001 min
Response: 532514
Conc: 5.09 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.257 min
Delta R.T.: 0.000 min
Response: 514047
Conc: 5.11 ug/ml



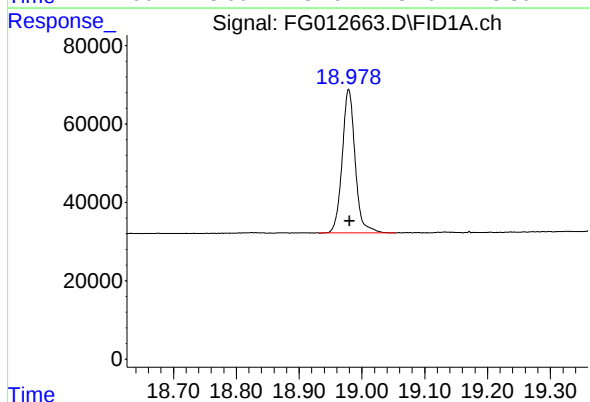
#17 n-Tricontane (C30)

R.T.: 18.146 min
Delta R.T.: -0.001 min
Response: 510002
Conc: 5.15 ug/ml

Instrument :
FID_G
ClientSampleId :
5 PPM ALIPHATIC HC STD5

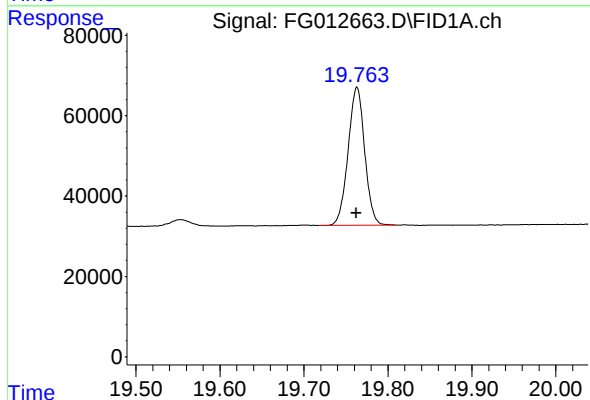
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/11/2023
Supervised By :Ankita Jodhani 08/11/2023



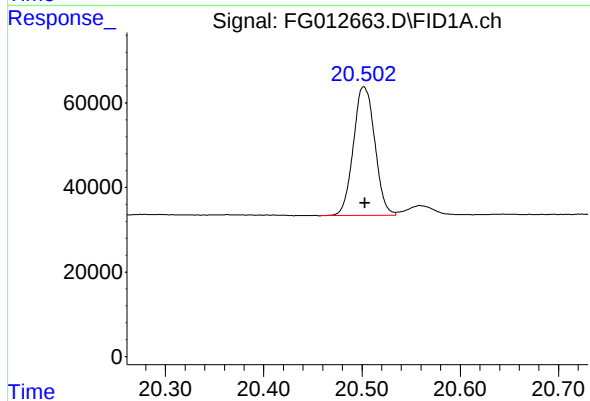
#18 n-Dotriacontane (C32)

R.T.: 18.979 min
Delta R.T.: -0.001 min
Response: 524323
Conc: 5.31 ug/ml



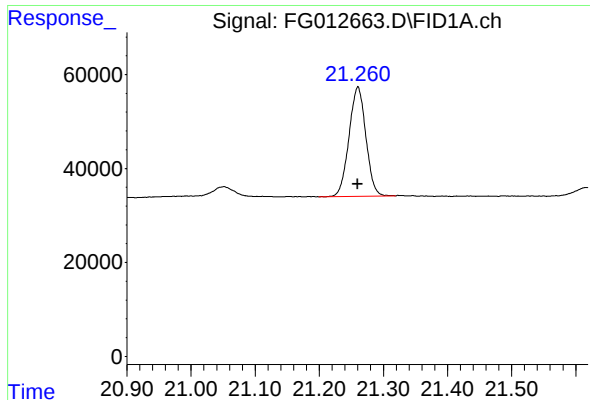
#19 n-Tetratriacontane (C34)

R.T.: 19.763 min
Delta R.T.: 0.000 min
Response: 471247
Conc: 5.13 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.502 min
Delta R.T.: 0.000 min
Response: 460141
Conc: 5.12 ug/ml



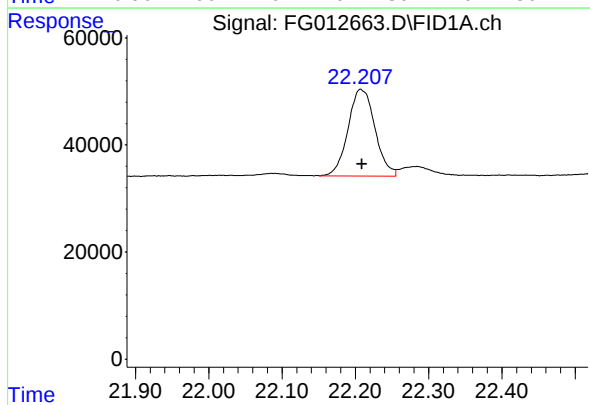
#21 n-Octatriacontane (C38)

R.T.: 21.260 min
Delta R.T.: 0.000 min
Response: 424969
Conc: 4.97 ug/ml

Instrument :
FID_G
ClientSampleId :
5 PPM ALIPHATIC HC STD5

Manual Integrations
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Supervised By :Ankita Jodhani 08/11/2023



#22 n-Tetracontane (C40)

R.T.: 22.207 min
Delta R.T.: -0.002 min
Response: 413367
Conc: 5.04 ug/ml m

Instrument :
FID_G
LabSampleId :
5 PPM ALIPHATIC HC STD5

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 08/11/2023
Supervised By :Ankita Jodhani 08/11/2023

rteres

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG012663.D
Data File : FG012663.D
Signal(s) : FID1A.ch
Acq On : 10 Aug 2023 13:10
Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 6 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 081023.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.346	3.319	3.391	VB	54570	527602	77.65%	4.524%
2	4.597	4.561	4.627	BB	54851	528697	77.81%	4.533%
3	6.303	6.278	6.331	BB	61746	573287	84.37%	4.915%
4	6.768	6.733	6.800	BB	54116	539255	79.36%	4.624%
5	7.401	7.360	7.434	BB	61117	575403	84.68%	4.934%
6	8.601	8.565	8.644	BB	53624	543712	80.02%	4.662%
7	10.214	10.174	10.252	BB	52066	547213	80.53%	4.692%
8	11.661	11.629	11.695	BB	49181	555962	81.82%	4.767%
9	11.979	11.937	12.017	BB	63497	679498	100.00%	5.826%
10	12.974	12.938	13.020	BB	47888	557172	82.00%	4.777%
11	13.421	13.382	13.457	BB	45006	524737	77.22%	4.499%
12	13.588	13.548	13.630	BB	47328	559340	82.32%	4.796%
13	14.176	14.133	14.221	BB	45888	553361	81.44%	4.745%
14	15.282	15.247	15.318	BB	42749	547535	80.58%	4.695%
15	16.305	16.271	16.343	BB	40736	532514	78.37%	4.566%
16	17.257	17.211	17.296	BB	38613	514047	75.65%	4.408%
17	18.146	18.102	18.183	BB	38317	510002	75.06%	4.373%
18	18.979	18.932	19.054	BB	36656	524323	77.16%	4.496%
19	19.763	19.718	19.809	BB	34434	471247	69.35%	4.041%
20	20.502	20.456	20.534	BV	30448	460141	67.72%	3.945%
21	21.260	21.199	21.319	BB	23367	424969	62.54%	3.644%
22	22.207	22.151	22.258	M	16190	412840	60.76%	3.540%
Sum of corrected areas:						11662856		

Aliphatic EPH 081023.M Thu Aug 10 16:32:21 2023

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG081023AL\
 Data File : FG012664.D
 Signal(s) : FID1A.ch
 Acq On : 10 Aug 2023 13:41
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD ICV
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 20 PPM ALIPHATIC HC STD ICV

Integration File: autoint1.e
 Quant Time: Aug 10 16:22:50 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 081023.M
 Quant Title : GC Extractables
 QLast Update : Thu Aug 10 15:32:13 2023
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.982	2655337	19.697 ug/ml
Spiked Amount 50.000		Recovery =	39.39%
12) S 1-chlorooctadecane (S...	13.423	2060962	19.759 ug/ml
Spiked Amount 50.000		Recovery =	39.52%
Target Compounds			
1) T n-Nonane (C9)	3.347	2041258	19.651 ug/ml
2) T n-Decane (C10)	4.598	2052646	19.569 ug/ml
3) T A~Naphthalene (C11.7)	6.303	2235336	19.604 ug/ml
4) T n-Dodecane (C12)	6.770	2092312	19.589 ug/ml
5) T A~2-methylnaphthalene...	7.403	2242926	19.588 ug/ml
6) T n-Tetradecane (C14)	8.602	2106524	19.605 ug/ml
7) T n-Hexadecane (C16)	10.215	2141464	19.683 ug/ml
8) T n-Octadecane (C18)	11.664	2174455	19.709 ug/ml
10) T n-Eicosane (C20)	12.977	2180985	19.765 ug/ml
11) T n-Heneicosane (C21)	13.591	2180131	19.754 ug/ml
13) T n-Docosane (C22)	14.178	2167209	19.796 ug/ml
14) T n-Tetracosane (C24)	15.285	2136161	19.797 ug/ml
15) T n-Hexacosane (C26)	16.308	2079217	19.798 ug/ml
16) T n-Octacosane (C28)	17.260	2000515	19.760 ug/ml
17) T n-Tricontane (C30)	18.149	1964156	19.719 ug/ml
18) T n-Dotriacontane (C32)	18.981	1990148	20.135 ug/ml
19) T n-Tetratriacontane (C34)	19.766	1825642	19.841 ug/ml
20) T n-Hexatriacontane (C36)	20.505	1771327	19.729 ug/ml
21) T n-Octatriacontane (C38)	21.261	1674729	19.722 ug/ml
22) T n-Tetracontane (C40)	22.212	1596172	19.553 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG081023AL\
Data File : FG012664.D
Signal(s) : FID1A.ch
Acq On : 10 Aug 2023 13:41
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD ICV
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :

FID_G

ClientSampleId :

20 PPM ALIPHATIC HC STD ICV

Integration File: autoint1.e

Quant Time: Aug 10 16:22:50 2023

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 081023.M

Quant Title : GC Extractables

QLast Update : Thu Aug 10 15:32:13 2023

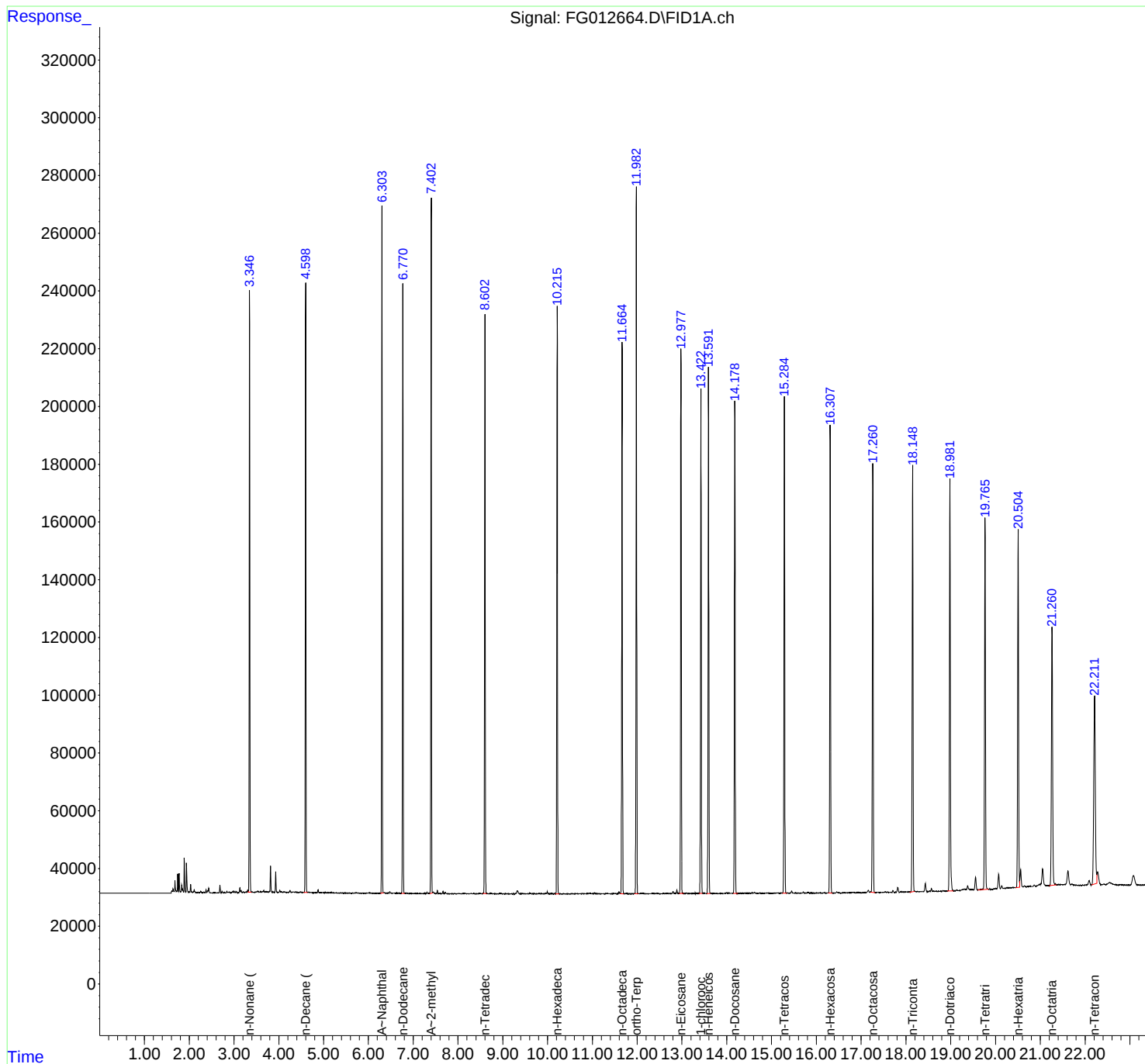
Response via : Initial Calibration

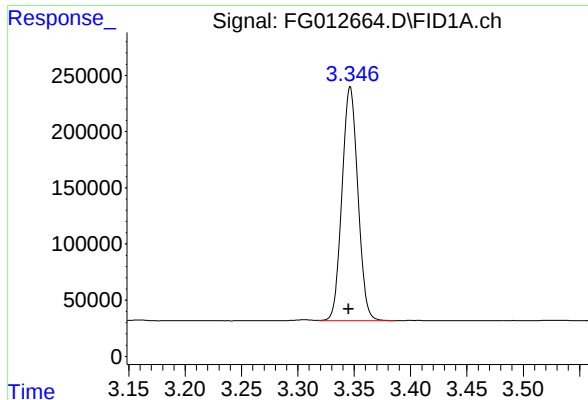
Integrator: ChemStation

Volume Inj. : 1 ul

Signal Phase : Rxi-1ms

Signal Info : 20M x 0.18mm x 0.18um





#1 n-Nonane (C9)

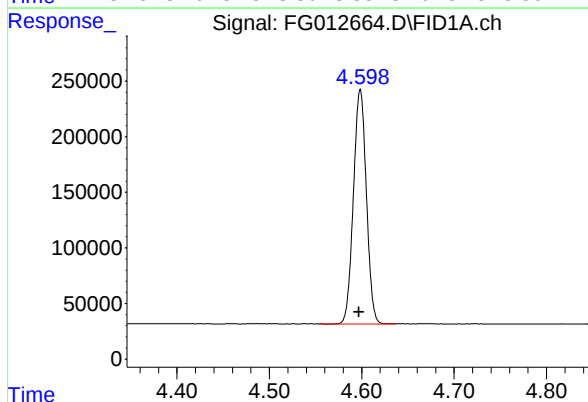
R.T.: 3.347 min
Delta R.T.: 0.002 min
Response: 2041258
Conc: 19.65 ug/ml

Instrument :

FID_G

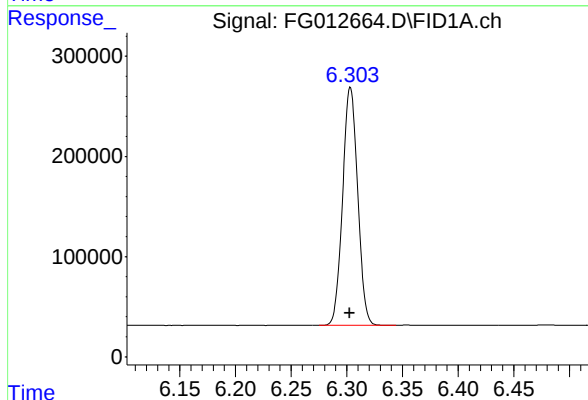
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



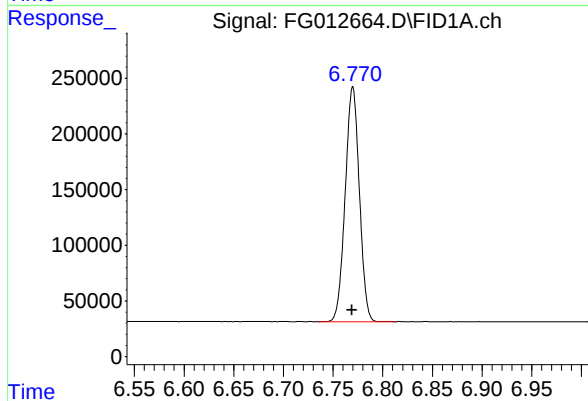
#2 n-Decane (C10)

R.T.: 4.598 min
Delta R.T.: 0.001 min
Response: 2052646
Conc: 19.57 ug/ml



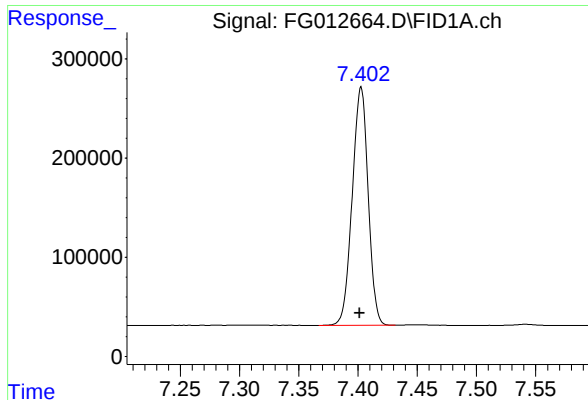
#3 A~Naphthalene (C11.7)

R.T.: 6.303 min
Delta R.T.: 0.000 min
Response: 2235336
Conc: 19.60 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.770 min
Delta R.T.: 0.000 min
Response: 2092312
Conc: 19.59 ug/ml



#5 A~2-methylnaphthalene (C12.89)

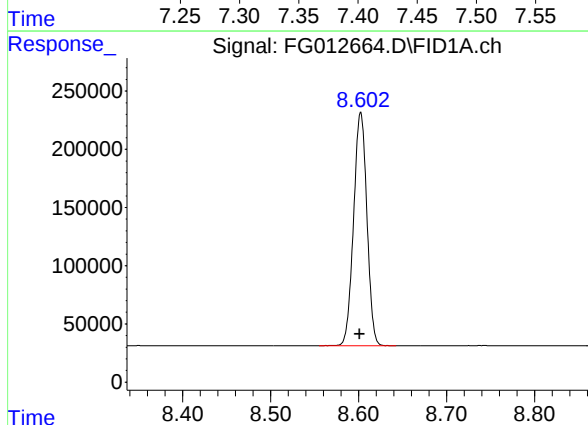
R.T.: 7.403 min
Delta R.T.: 0.001 min
Response: 2242926
Conc: 19.59 ug/ml

Instrument :

FID_G

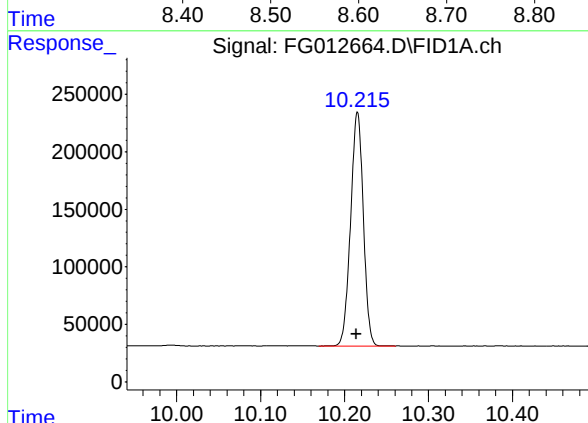
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



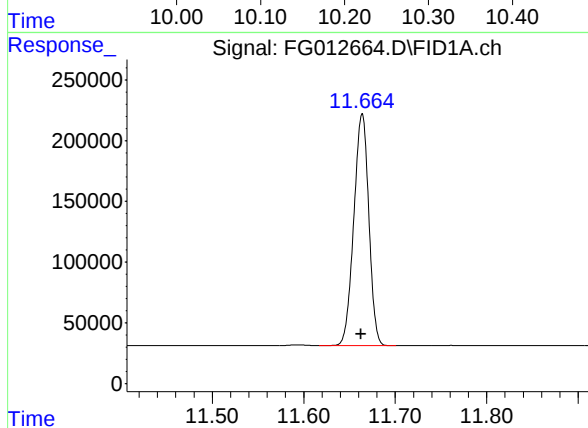
#6 n-Tetradecane (C14)

R.T.: 8.602 min
Delta R.T.: 0.001 min
Response: 2106524
Conc: 19.61 ug/ml



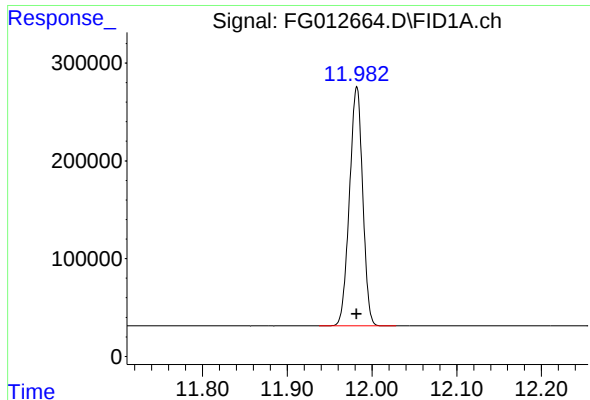
#7 n-Hexadecane (C16)

R.T.: 10.215 min
Delta R.T.: 0.001 min
Response: 2141464
Conc: 19.68 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.664 min
Delta R.T.: 0.001 min
Response: 2174455
Conc: 19.71 ug/ml



#9 ortho-Terphenyl (SURR)

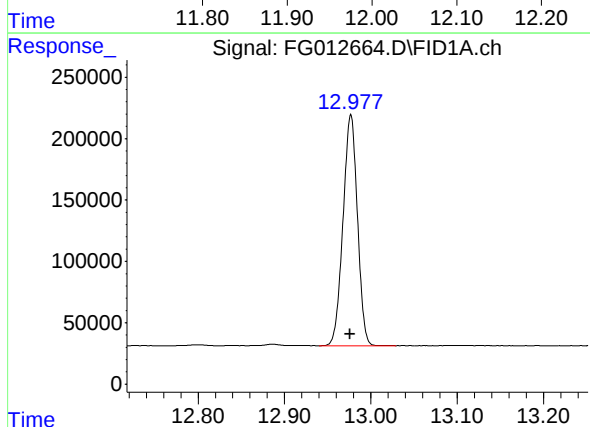
R.T.: 11.982 min
Delta R.T.: 0.000 min
Response: 2655337
Conc: 19.70 ug/ml

Instrument :

FID_G

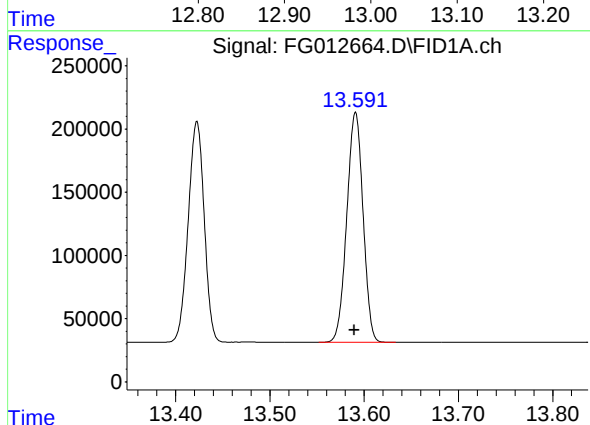
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



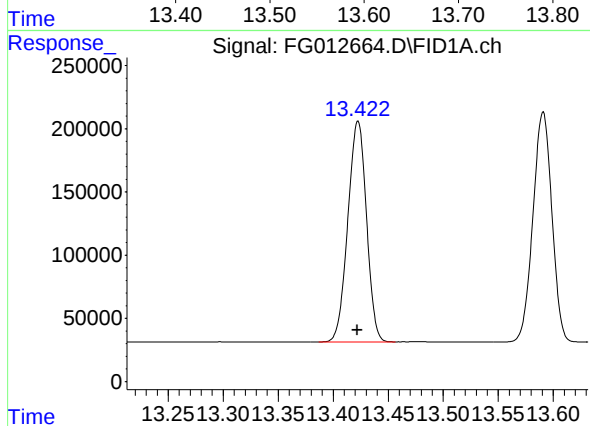
#10 n-Eicosane (C20)

R.T.: 12.977 min
Delta R.T.: 0.001 min
Response: 2180985
Conc: 19.77 ug/ml



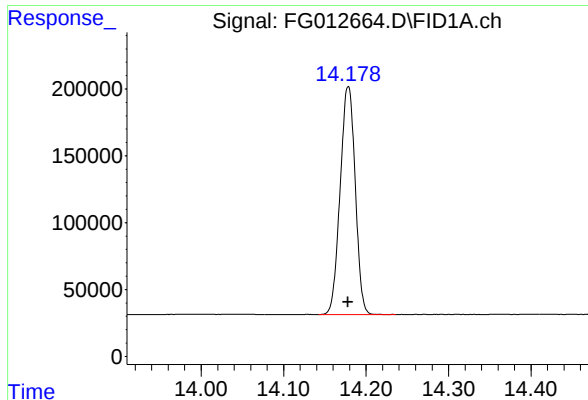
#11 n-Heneicosane (C21)

R.T.: 13.591 min
Delta R.T.: 0.001 min
Response: 2180131
Conc: 19.75 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.423 min
Delta R.T.: 0.000 min
Response: 2060962
Conc: 19.76 ug/ml



#13 n-Docosane (C22)

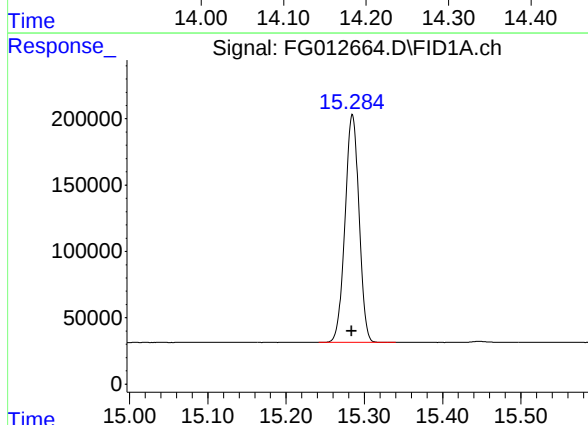
R.T.: 14.178 min
Delta R.T.: 0.000 min
Response: 2167209
Conc: 19.80 ug/ml

Instrument :

FID_G

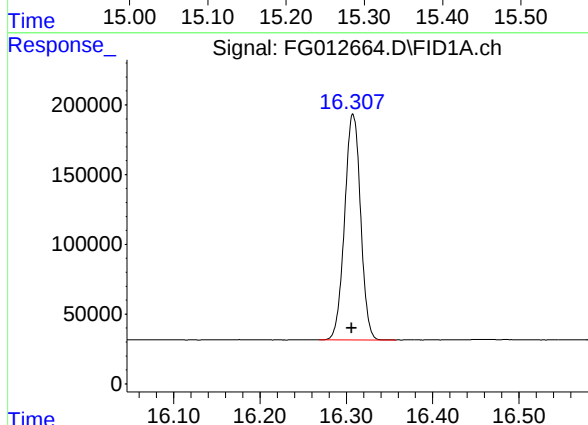
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



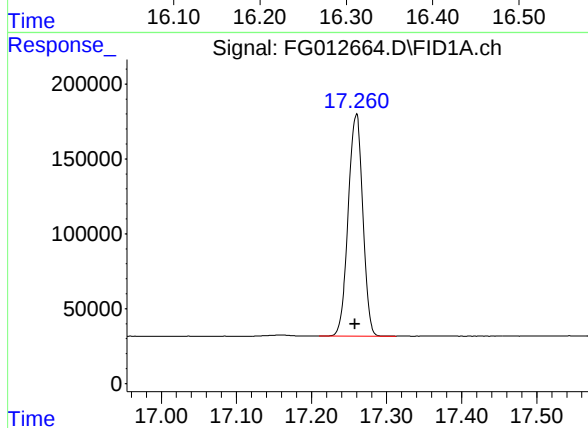
#14 n-Tetracosane (C24)

R.T.: 15.285 min
Delta R.T.: 0.001 min
Response: 2136161
Conc: 19.80 ug/ml



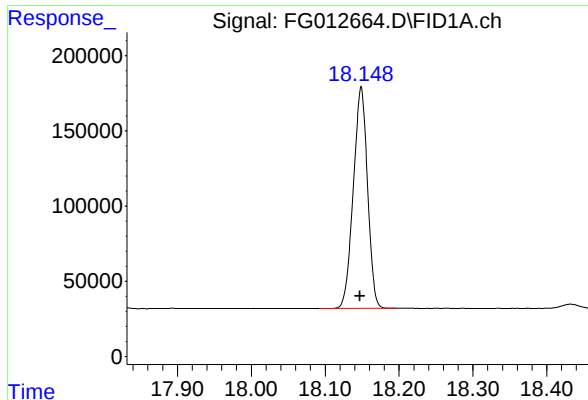
#15 n-Hexacosane (C26)

R.T.: 16.308 min
Delta R.T.: 0.001 min
Response: 2079217
Conc: 19.80 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.260 min
Delta R.T.: 0.002 min
Response: 2000515
Conc: 19.76 ug/ml



#17 n-Tricontane (C30)

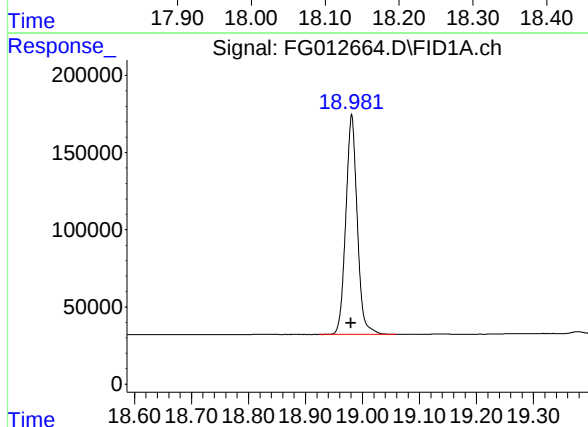
R.T.: 18.149 min
Delta R.T.: 0.002 min
Response: 1964156
Conc: 19.72 ug/ml

Instrument :

FID_G

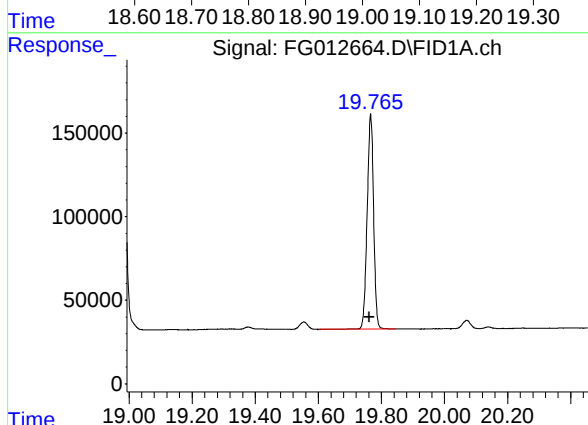
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



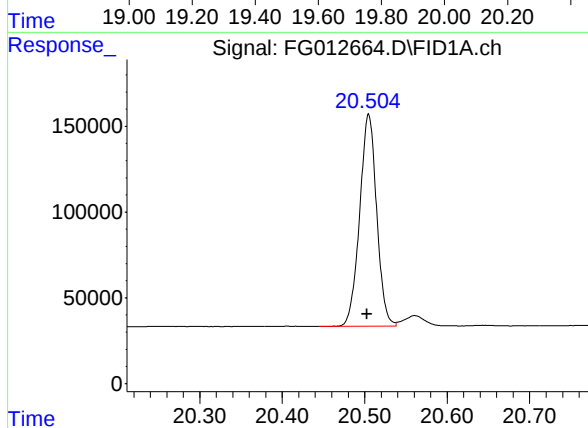
#18 n-Dotriacontane (C32)

R.T.: 18.981 min
Delta R.T.: 0.001 min
Response: 1990148
Conc: 20.14 ug/ml



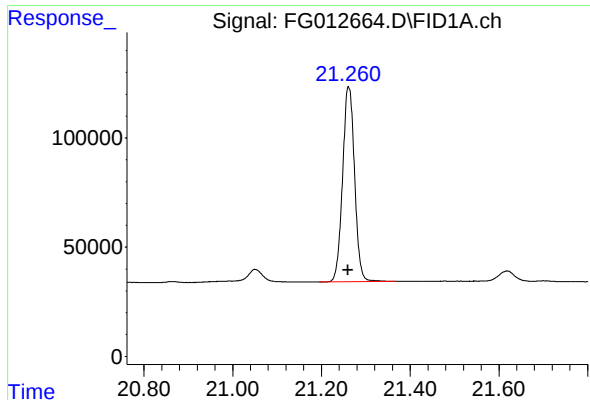
#19 n-Tetratriacontane (C34)

R.T.: 19.766 min
Delta R.T.: 0.004 min
Response: 1825642
Conc: 19.84 ug/ml



#20 n-Hexatriacontane (C36)

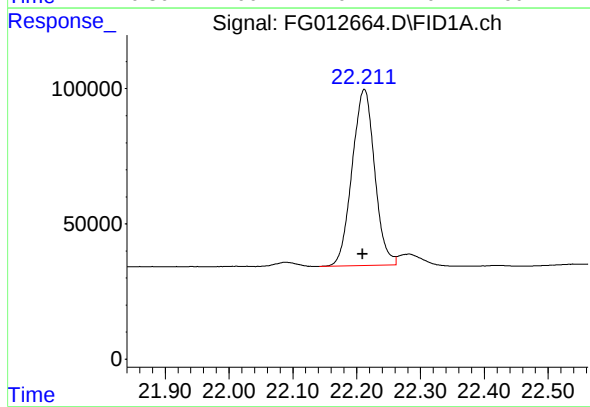
R.T.: 20.505 min
Delta R.T.: 0.002 min
Response: 1771327
Conc: 19.73 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.261 min
Delta R.T.: 0.001 min
Response: 1674729
Conc: 19.72 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



#22 n-Tetracontane (C40)

R.T.: 22.212 min
Delta R.T.: 0.003 min
Response: 1596172
Conc: 19.55 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG081023AL\
Data File : FG012664.D
Signal(s) : FID1A.ch
Acq On : 10 Aug 2023 13:41
Sample : 20 PPM ALIPHATIC HC STD ICV
Misc :
ALS Vial : 7 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 081023.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.347	3.318	3.387	VV	208252	2041258	76.87%	4.499%
2	4.598	4.553	4.637	BB	211004	2052646	77.30%	4.524%
3	6.303	6.275	6.344	BB	237695	2235336	84.18%	4.927%
4	6.770	6.736	6.813	BB	211428	2092312	78.80%	4.612%
5	7.403	7.367	7.432	BV	240482	2242926	84.47%	4.944%
6	8.602	8.555	8.643	BB	200722	2106524	79.33%	4.643%
7	10.215	10.169	10.261	BB	203411	2141464	80.65%	4.720%
8	11.664	11.617	11.701	BB	191232	2174455	81.89%	4.793%
9	11.982	11.938	12.028	BB	244916	2655337	100.00%	5.853%
10	12.977	12.940	13.029	BB	188482	2180985	82.14%	4.807%
11	13.423	13.387	13.457	BB	174864	2060962	77.62%	4.543%
12	13.591	13.552	13.633	BB	182210	2180131	82.10%	4.805%
13	14.178	14.143	14.236	BB	170478	2167209	81.62%	4.777%
14	15.285	15.242	15.340	BB	171946	2136161	80.45%	4.708%
15	16.308	16.268	16.358	BB	162020	2079217	78.30%	4.583%
16	17.260	17.210	17.313	BB	148349	2000515	75.34%	4.409%
17	18.149	18.092	18.196	BB	147726	1964156	73.97%	4.329%
18	18.981	18.923	19.058	BB	142618	1990148	74.95%	4.387%
19	19.766	19.603	19.846	BB	128492	1825642	68.75%	4.024%
20	20.505	20.445	20.538	BV	123869	1771327	66.71%	3.904%
21	21.261	21.195	21.368	BB	89319	1674729	63.07%	3.691%
22	22.212	22.141	22.262	BV	65217	1596172	60.11%	3.518%
Sum of corrected areas:						45369610		

Aliphatic EPH 081023.M Thu Aug 10 16:25:53 2023