

Initial Calibration Report for SequenceID : FC121024AL

AreaCount

Parameter Range	FC067961.D	FC067962.D	FC067963.D	FC067964.D	FC067965.D	
Aliphatic C9-C12	43219570.000	22812652.000	9633573.000	4956995.000	2543550.000	
Aliphatic C12-C16	29481914.000	15507863.000	6502424.000	3322573.000	1701990.000	
Aliphatic C16-C21	42017389.000	21918249.000	9252854.000	4768030.000	2437274.000	
Aliphatic C21-C28	50542953.000	26061820.000	10946904.000	5674955.000	2930879.000	
Aliphatic C28-C40	58878618.000	30107117.000	12646225.000	6629218.000	3463888.000	
Aliphatic EPH	224140444.000	116407701.000	48981980.000	25351771.000	13077581.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aliphatic C9-C12	158302.459333	6.484				
Aliphatic C12-C16	160275.29	5.671				
Aliphatic C16-C21	152362.6246664	6.046				
Aliphatic C21-C28	136384.1215	6.035				
Aliphatic C28-C40	105964.6389996	6.736				
Aliphatic EPH	135215.008444	6.221				

Concentration

Parameter Range	FC067961.D	FC067962.D	FC067963.D	FC067964.D	FC067965.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	FC067961.D	FC067962.D	FC067963.D	FC067964.D	FC067965.D	
Aliphatic C9-C12	144065.233333	152084.346666	160559.550000	165233.166666	169570.000000	
Aliphatic C12-C16	147409.570000	155078.630000	162560.600000	166128.650000	170199.000000	
Aliphatic C16-C21	140057.963333	146121.660000	154214.233333	158934.333333	162484.933333	

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Aliphatic C21-C28	126357.382500	130309.100000	136836.300000	141873.875000	146543.950000	
Aliphatic C28-C40	98131.030000	100357.056666	105385.208333	110486.966666	115462.933333	
Aliphatic EPH	124522.468888	129341.890000	136061.055555	140843.172222	145306.455555	

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\F121024AL\
 Data File : FC067961.D
 Signal(s) : FID1A.ch
 Acq On : 10 Dec 2024 04:48
 Operator : YP/AJ
 Sample : 100 PPM ALIPHATIC HC STD1
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 100 PPM ALIPHATIC HC STD1

Integration File: autoint1.e
 Quant Time: Dec 10 07:48:09 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 121024.M
 Quant Title : GC Extractables
 QLast Update : Tue Dec 10 07:47:35 2024
 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)	11.480	15877514	91.282 ug/ml
Spiked Amount 50.000		Recovery =	182.56%
12) S 1-chlorooctadecane (S...	12.918	11870508	92.116 ug/ml
Spiked Amount 50.000		Recovery =	184.23%
Target Compounds			
1) T n-Nonane (C9)	3.255	14082462	89.470 ug/ml
2) T n-Decane (C10)	4.319	14433547	89.814 ug/ml
3) T A~Naphthalene (C11.7)	5.896	16106430	90.999 ug/ml
4) T n-Dodecane (C12)	6.335	14703561	89.888 ug/ml
5) T A~2-methylnaphthalene...	6.952	15639596	91.538 ug/ml
6) T n-Tetradecane (C14)	8.128	14593971	90.424 ug/ml
7) T n-Hexadecane (C16)	9.727	14887943	90.932 ug/ml
8) T n-Octadecane (C18)	11.170	14738386	90.361 ug/ml
10) T n-Eicosane (C20)	12.476	13828766	90.965 ug/ml
11) T n-Heneicosane (C21)	13.087	13450237	91.179 ug/ml
13) T n-Docosane (C22)	13.673	13209285	91.611 ug/ml
14) T n-Tetracosane (C24)	14.774	12875285	92.195 ug/ml
15) T n-Hexacosane (C26)	15.792	12442452	92.666 ug/ml
16) T n-Octacosane (C28)	16.741	12015931	92.981 ug/ml
17) T n-Tricontane (C30)	17.627	11946295	92.851 ug/ml
18) T n-Dotriacontane (C32)	18.458	11369911	92.550 ug/ml
19) T n-Tetratriacontane (C34)	19.240	10037386	92.775 ug/ml
20) T n-Hexatriacontane (C36)	19.977	8849215	93.735 ug/ml
21) T n-Octatriacontane (C38)	20.698	8396142	93.025 ug/ml
22) T n-Tetracontane (C40)	21.578	8279669	94.146 ug/ml

(f)=RT Delta > 1/2 Window

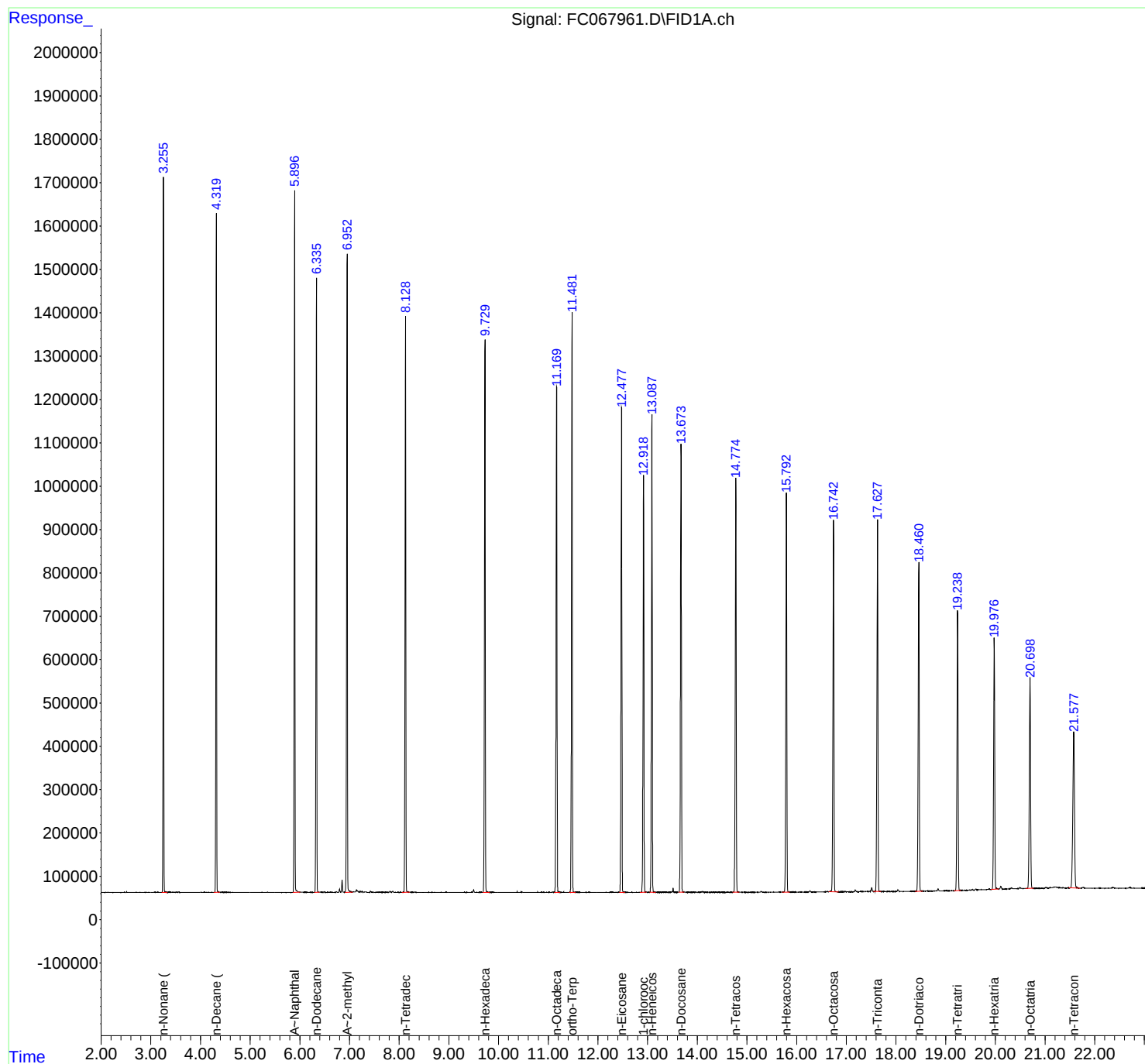
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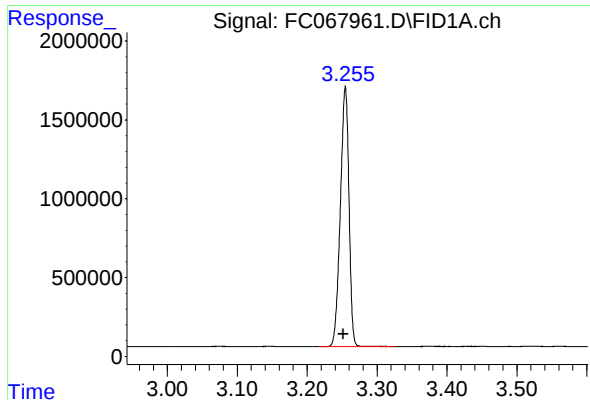
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Data File : FC067961.D
Signal(s) : FID1A.ch
Acq On : 10 Dec 2024 04:48
Operator : YP/AJ
Sample : 100 PPM ALIPHATIC HC STD1
Misc :
ALS Vial : 26 Sample Multiplier: 1

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ClientSampleId :
100 PPM ALIPHATIC HC STD1

Integration File: autoint1.e
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Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 121024.M
Quant Title : GC Extractables
QLast Update : Tue Dec 10 07:47:35 2024
Response via : Initial Calibration
Integrator: ChemStation

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

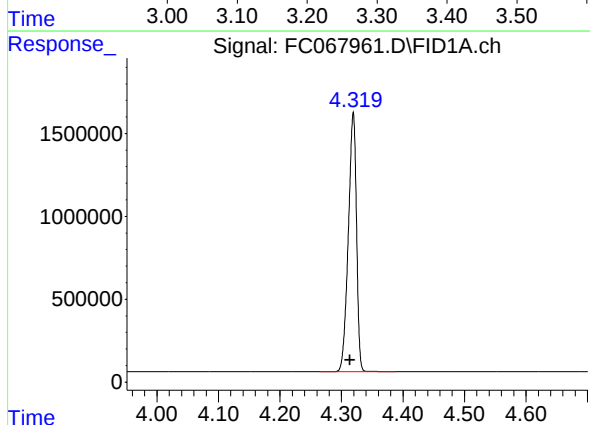




#1 n-Nonane (C9)

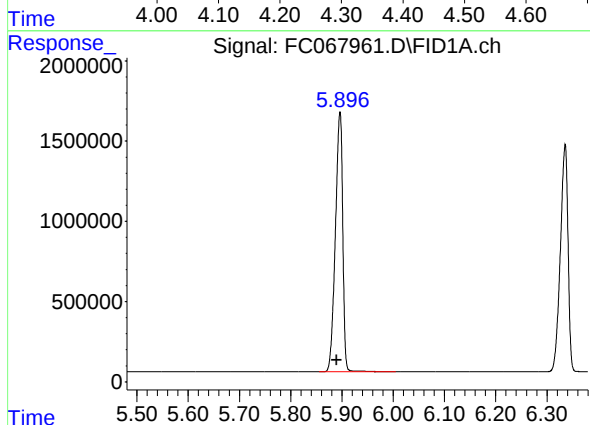
R.T.: 3.255 min
Delta R.T.: 0.003 min
Response: 14082462
Conc: 89.47 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



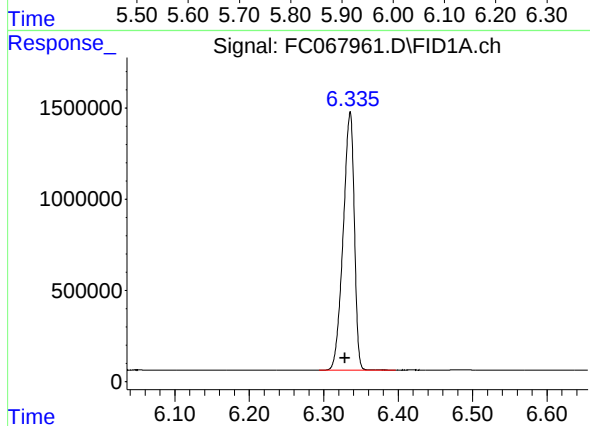
#2 n-Decane (C10)

R.T.: 4.319 min
Delta R.T.: 0.005 min
Response: 14433547
Conc: 89.81 ug/ml



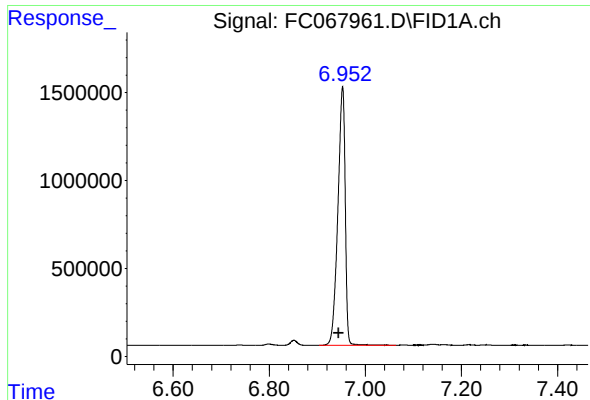
#3 A~Naphthalene (C11.7)

R.T.: 5.896 min
Delta R.T.: 0.006 min
Response: 16106430
Conc: 91.00 ug/ml



#4 n-Dodecane (C12)

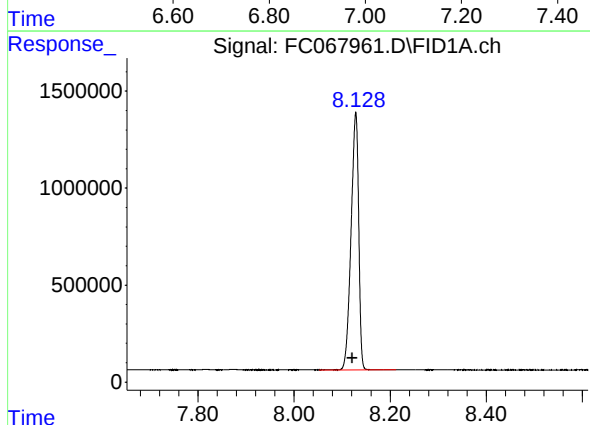
R.T.: 6.335 min
Delta R.T.: 0.006 min
Response: 14703561
Conc: 89.89 ug/ml



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

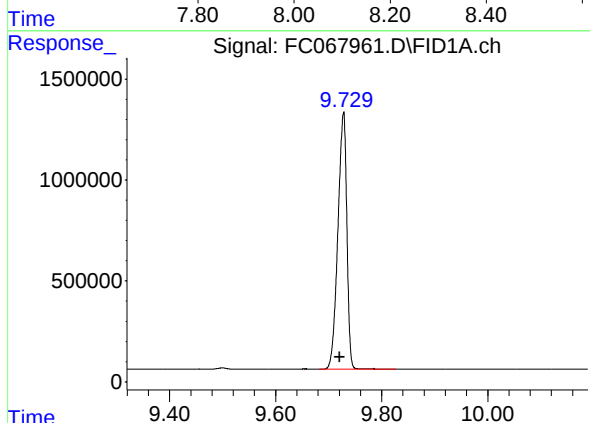
R.T.: 6.952 min
Delta R.T.: 0.008 min
Response: 15639596
Conc: 91.54 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



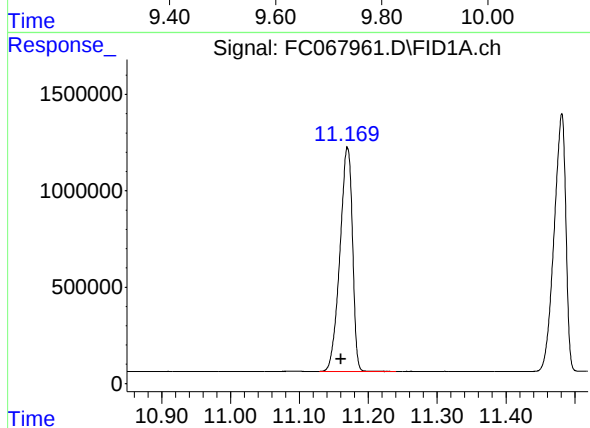
#6 n-Tetradecane (C14)

R.T.: 8.128 min
Delta R.T.: 0.006 min
Response: 14593971
Conc: 90.42 ug/ml



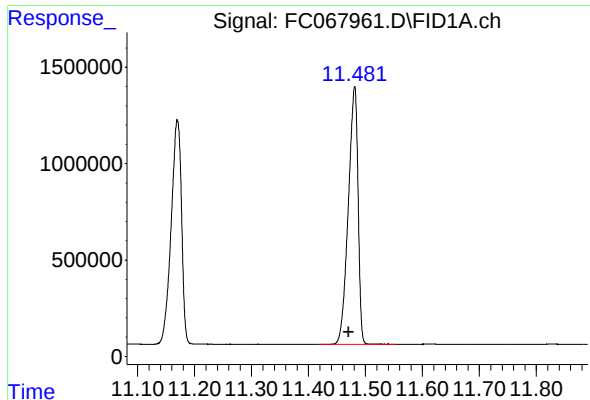
#7 n-Hexadecane (C16)

R.T.: 9.727 min
Delta R.T.: 0.007 min
Response: 14887943
Conc: 90.93 ug/ml



#8 n-Octadecane (C18)

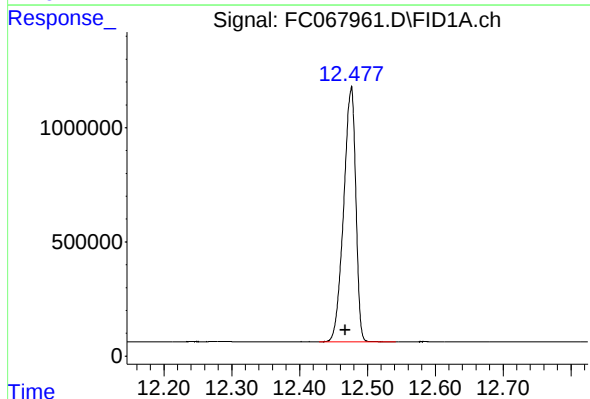
R.T.: 11.170 min
Delta R.T.: 0.009 min
Response: 14738386
Conc: 90.36 ug/ml



#9 ortho-Terphenyl (SURR)

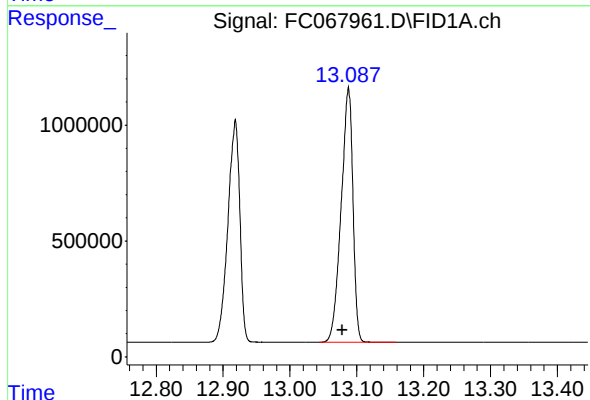
R.T.: 11.480 min
Delta R.T.: 0.010 min
Response: 15877514
Conc: 91.28 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



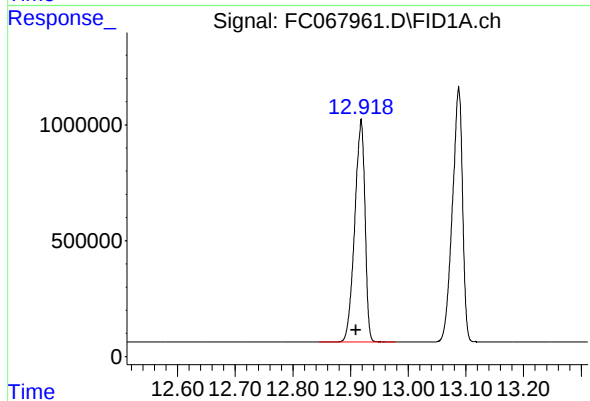
#10 n-Eicosane (C20)

R.T.: 12.476 min
Delta R.T.: 0.008 min
Response: 13828766
Conc: 90.97 ug/ml



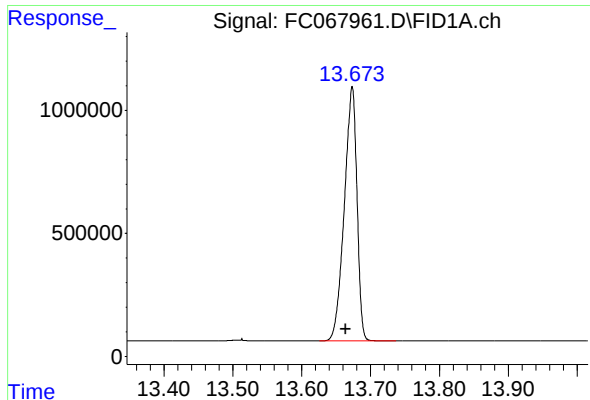
#11 n-Heneicosane (C21)

R.T.: 13.087 min
Delta R.T.: 0.009 min
Response: 13450237
Conc: 91.18 ug/ml



#12 1-chlorooctadecane (SURR)

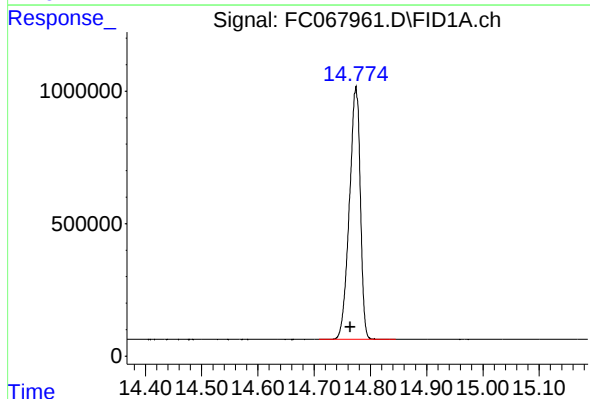
R.T.: 12.918 min
Delta R.T.: 0.009 min
Response: 11870508
Conc: 92.12 ug/ml



#13 n-Docosane (C22)

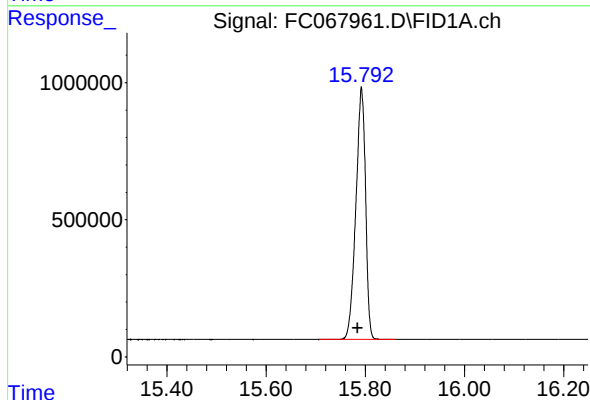
R.T.: 13.673 min
Delta R.T.: 0.009 min
Response: 13209285
Conc: 91.61 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



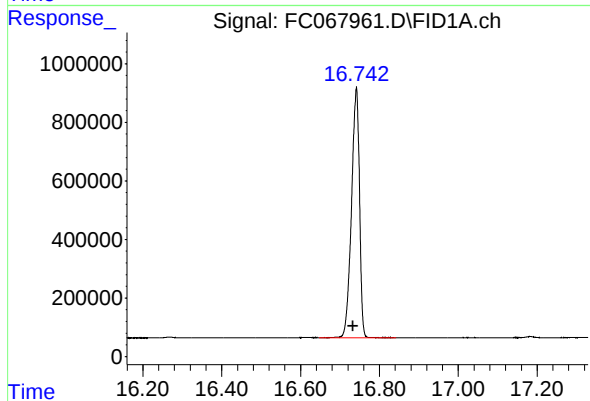
#14 n-Tetracosane (C24)

R.T.: 14.774 min
Delta R.T.: 0.009 min
Response: 12875285
Conc: 92.19 ug/ml



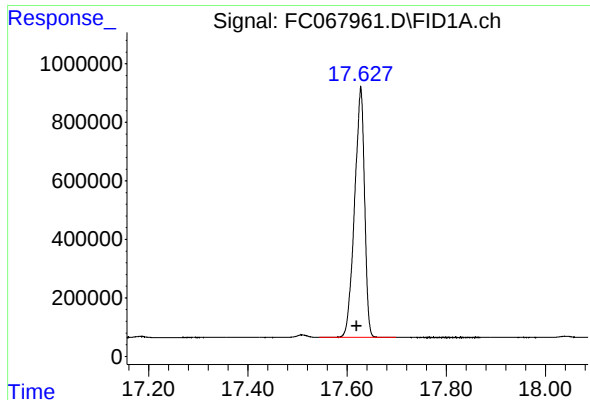
#15 n-Hexacosane (C26)

R.T.: 15.792 min
Delta R.T.: 0.008 min
Response: 12442452
Conc: 92.67 ug/ml



#16 n-Octacosane (C28)

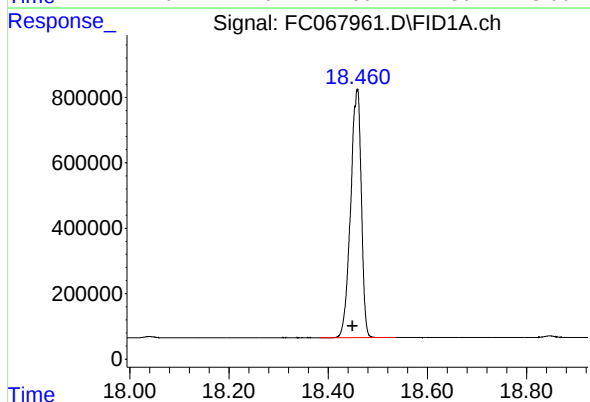
R.T.: 16.741 min
Delta R.T.: 0.008 min
Response: 12015931
Conc: 92.98 ug/ml



#17 n-Tricontane (C30)

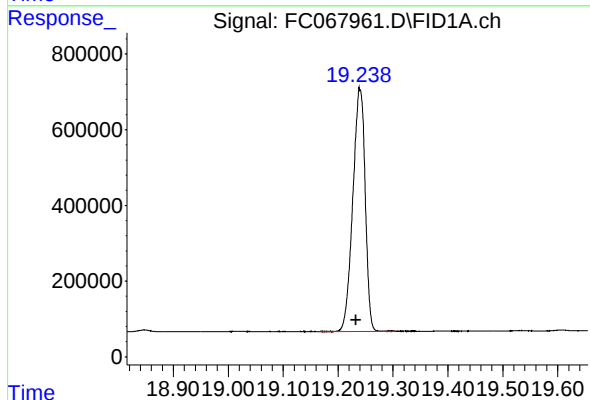
R.T.: 17.627 min
Delta R.T.: 0.009 min
Response: 11946295
Conc: 92.85 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



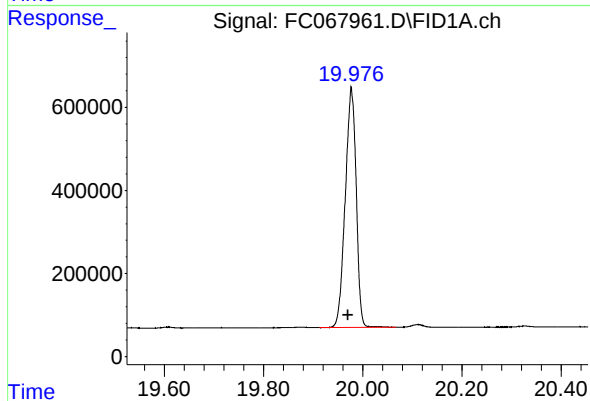
#18 n-Dotriacontane (C32)

R.T.: 18.458 min
Delta R.T.: 0.009 min
Response: 11369911
Conc: 92.55 ug/ml



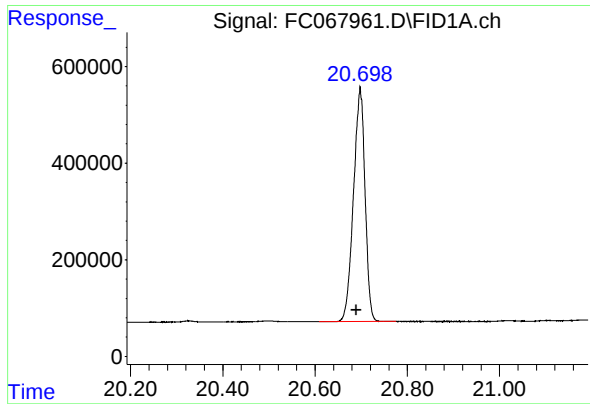
#19 n-Tetratriacontane (C34)

R.T.: 19.240 min
Delta R.T.: 0.008 min
Response: 10037386
Conc: 92.77 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.977 min
Delta R.T.: 0.007 min
Response: 8849215
Conc: 93.73 ug/ml



#21 n-Octatriacontane (C38)

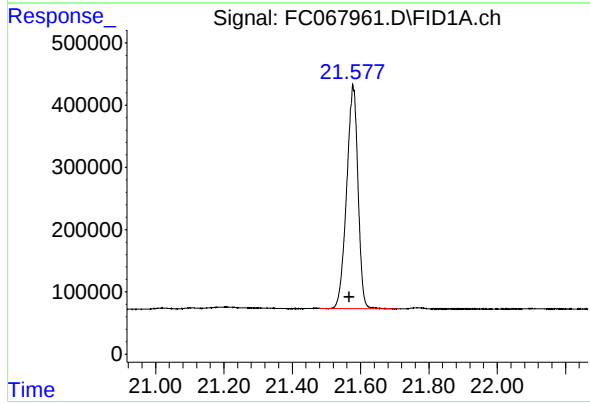
R.T.: 20.698 min
Delta R.T.: 0.009 min
Response: 8396142
Conc: 93.03 ug/ml

Instrument :

FID_C

ClientSampleId :

100 PPM ALIPHATIC HC STD1



#22 n-Tetracontane (C40)

R.T.: 21.578 min
Delta R.T.: 0.010 min
Response: 8279669
Conc: 94.15 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC121024AL\
Data File : FC067961.D
Signal(s) : FID1A.ch
Acq On : 10 Dec 2024 04:48
Sample : 100 PPM ALIPHATIC HC STD1
Misc :
ALS Vial : 26 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 121024.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	3.255	3.217	3.327	BB	1657147	14082462	87.43%	4.965%
2	4.319	4.264	4.389	BB	1558462	14433547	89.61%	5.089%
3	5.896	5.855	6.005	BB	1616858	16106430	100.00%	5.679%
4	6.335	6.294	6.397	BB	1415988	14703561	91.29%	5.184%
5	6.952	6.904	7.064	BV	1467959	15639596	97.10%	5.514%
6	8.128	8.052	8.212	BB	1333411	14593971	90.61%	5.145%
7	9.728	9.682	9.827	BB	1268020	14887943	92.43%	5.249%
8	11.170	11.129	11.240	BB	1160772	14738386	91.51%	5.196%
9	11.480	11.419	11.554	BB	1336651	15877514	98.58%	5.598%
10	12.476	12.429	12.542	BB	1103665	13828766	85.86%	4.876%
11	12.918	12.845	12.979	BB	966125	11870508	73.70%	4.185%
12	13.087	13.044	13.159	PB	1093164	13450237	83.51%	4.742%
13	13.673	13.625	13.737	BB	1037894	13209285	82.01%	4.657%
14	14.774	14.709	14.845	BB	944198	12875285	79.94%	4.539%
15	15.792	15.707	15.862	BB	919565	12442452	77.25%	4.387%
16	16.741	16.647	16.842	BB	860086	12015931	74.60%	4.236%
17	17.627	17.544	17.699	PB	853098	11946295	74.17%	4.212%
18	18.458	18.382	18.537	BB	758668	11369911	70.59%	4.009%
19	19.240	19.165	19.305	BB	637048	10037386	62.32%	3.539%
20	19.977	19.912	20.067	BB	577272	8849215	54.94%	3.120%
21	20.698	20.609	20.775	BB	482723	8396142	52.13%	2.960%
22	21.578	21.479	21.704	BB	355825	8279669	51.41%	2.919%
Sum of corrected areas:						283634492		

Aliphatic EPH 121024.M Tue Dec 10 08:33:34 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC121024AL\
 Data File : FC067962.D
 Signal(s) : FID1A.ch
 Acq On : 10 Dec 2024 05:24
 Operator : YP/AJ
 Sample : 50 PPM ALIPHATIC HC STD2
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 50 PPM ALIPHATIC HC STD2

Integration File: autoint1.e
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12) S 1-chlorooctadecane (S...	12.912	6148518	47.713 ug/ml
Spiked Amount 50.000		Recovery =	95.43%
Target Compounds			
1) T n-Nonane (C9)	3.253	7439779	47.267 ug/ml
2) T n-Decane (C10)	4.316	7616487	47.394 ug/ml
3) T A~Naphthalene (C11.7)	5.892	8456127	47.776 ug/ml
4) T n-Dodecane (C12)	6.331	7756386	47.417 ug/ml
5) T A~2-methylnaphthalene...	6.948	8196212	47.972 ug/ml
6) T n-Tetradecane (C14)	8.124	7677734	47.571 ug/ml
7) T n-Hexadecane (C16)	9.724	7830129	47.824 ug/ml
8) T n-Octadecane (C18)	11.164	7726228	47.369 ug/ml
10) T n-Eicosane (C20)	12.471	7209186	47.422 ug/ml
11) T n-Heneicosane (C21)	13.082	6982835	47.337 ug/ml
13) T n-Docosane (C22)	13.667	6851009	47.514 ug/ml
14) T n-Tetracosane (C24)	14.768	6643747	47.573 ug/ml
15) T n-Hexacosane (C26)	15.788	6396052	47.635 ug/ml
16) T n-Octacosane (C28)	16.737	6171012	47.752 ug/ml
17) T n-Tricontane (C30)	17.622	6122300	47.585 ug/ml
18) T n-Dotriacontane (C32)	18.454	5824606	47.412 ug/ml
19) T n-Tetratriacontane (C34)	19.237	5136813	47.479 ug/ml
20) T n-Hexatriacontane (C36)	19.974	4512465	47.798 ug/ml
21) T n-Octatriacontane (C38)	20.694	4273980	47.354 ug/ml
22) T n-Tetracontane (C40)	21.574	4236953	48.177 ug/ml

(f)=RT Delta > 1/2 Window

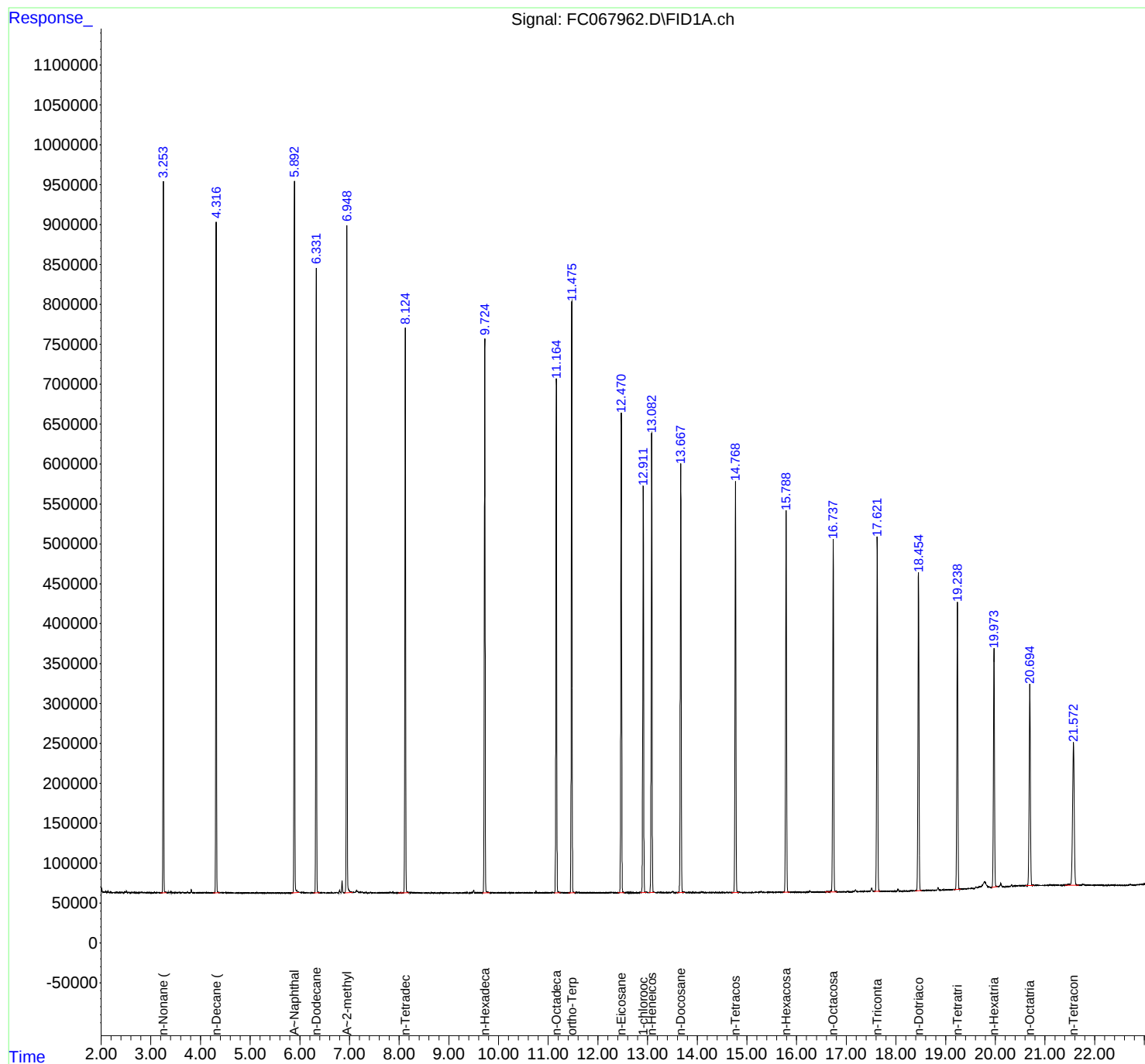
(m)=manual int.

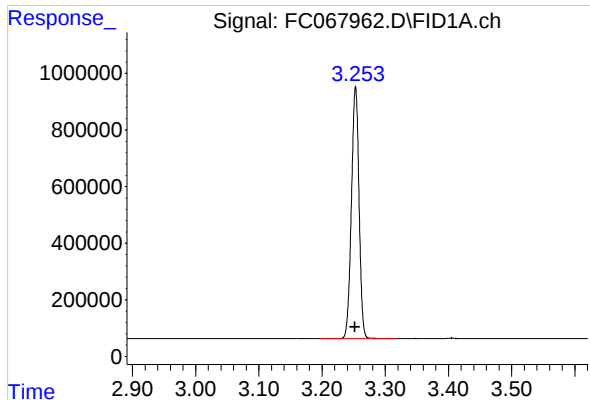
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ALS Vial : 27 Sample Multiplier: 1

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50 PPM ALIPHATIC HC STD2

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Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

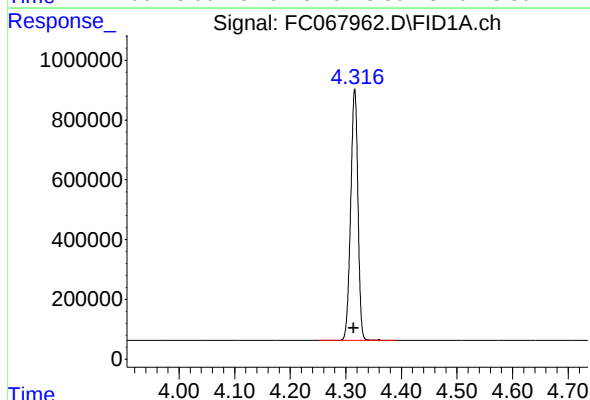




#1 n-Nonane (C9)

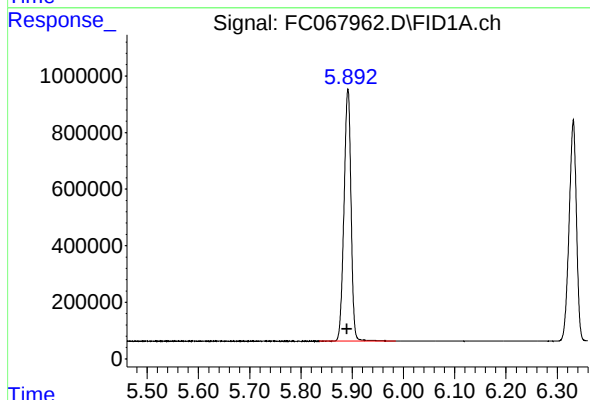
R.T.: 3.253 min
Delta R.T.: 0.000 min
Response: 7439779
Conc: 47.27 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



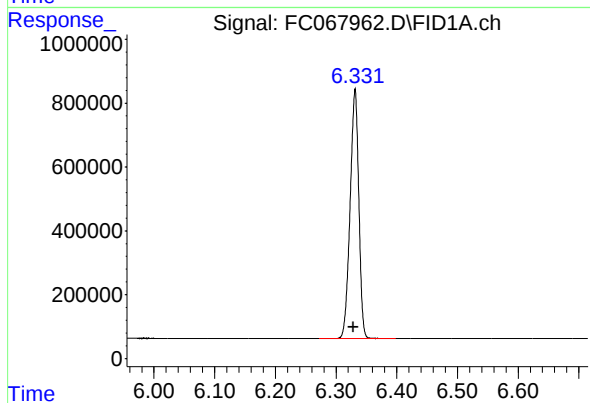
#2 n-Decane (C10)

R.T.: 4.316 min
Delta R.T.: 0.002 min
Response: 7616487
Conc: 47.39 ug/ml



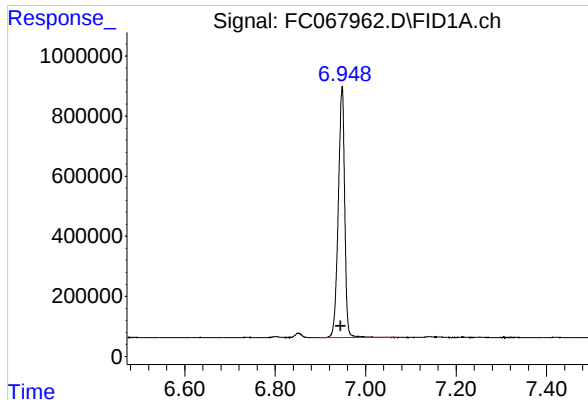
#3 A~Naphthalene (C11.7)

R.T.: 5.892 min
Delta R.T.: 0.002 min
Response: 8456127
Conc: 47.78 ug/ml



#4 n-Dodecane (C12)

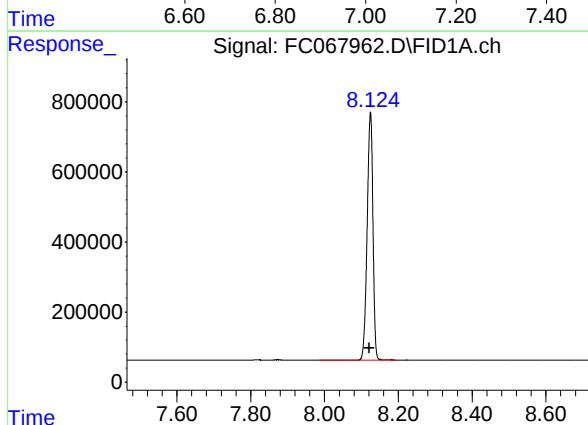
R.T.: 6.331 min
Delta R.T.: 0.003 min
Response: 7756386
Conc: 47.42 ug/ml



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

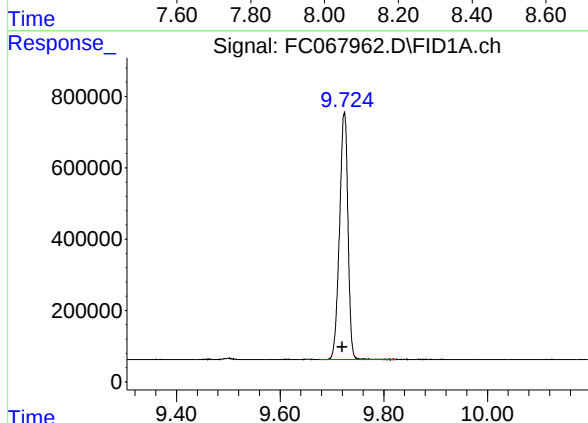
R.T.: 6.948 min
Delta R.T.: 0.003 min
Response: 8196212
Conc: 47.97 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



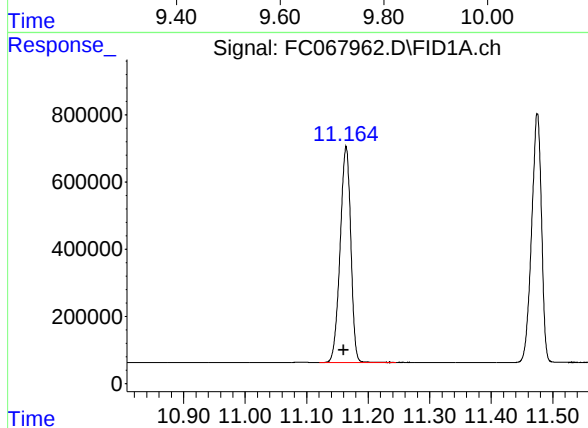
#6 n-Tetradecane (C14)

R.T.: 8.124 min
Delta R.T.: 0.003 min
Response: 7677734
Conc: 47.57 ug/ml



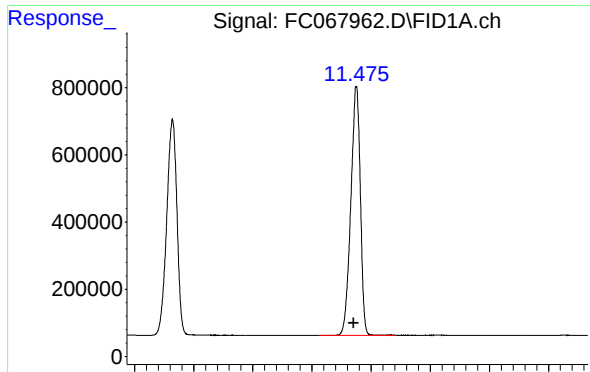
#7 n-Hexadecane (C16)

R.T.: 9.724 min
Delta R.T.: 0.003 min
Response: 7830129
Conc: 47.82 ug/ml



#8 n-Octadecane (C18)

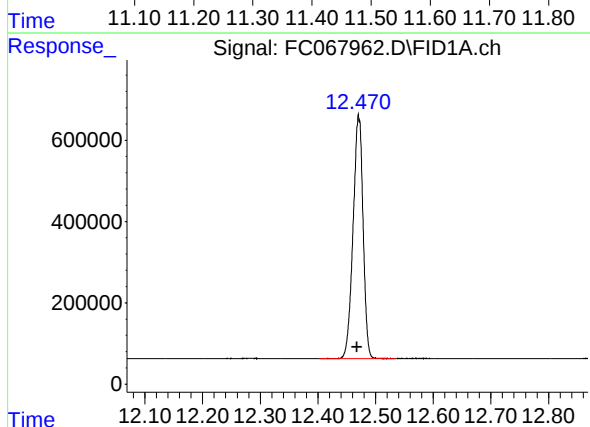
R.T.: 11.164 min
Delta R.T.: 0.004 min
Response: 7726228
Conc: 47.37 ug/ml



#9 ortho-Terphenyl (SURR)

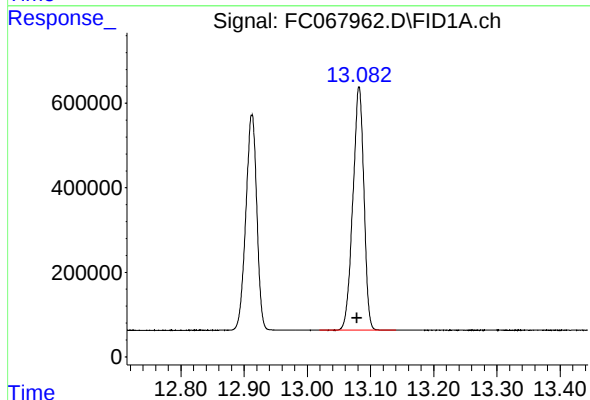
R.T.: 11.475 min
Delta R.T.: 0.005 min
Response: 8263318
Conc: 47.51 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



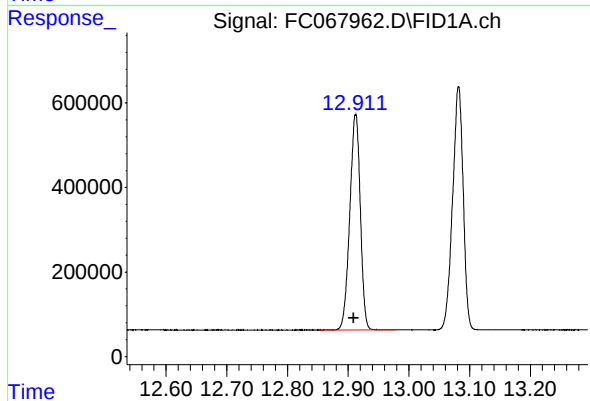
#10 n-Eicosane (C20)

R.T.: 12.471 min
Delta R.T.: 0.003 min
Response: 7209186
Conc: 47.42 ug/ml



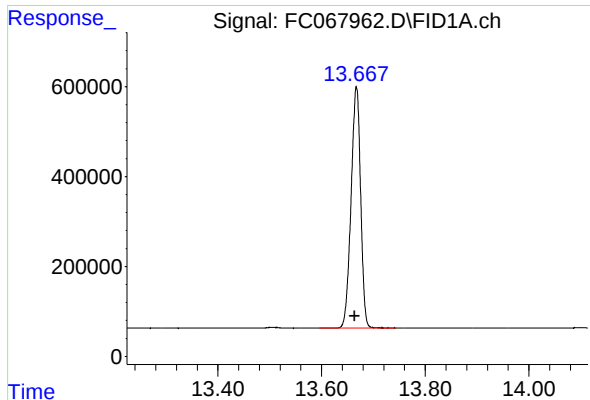
#11 n-Heneicosane (C21)

R.T.: 13.082 min
Delta R.T.: 0.003 min
Response: 6982835
Conc: 47.34 ug/ml



#12 1-chlorooctadecane (SURR)

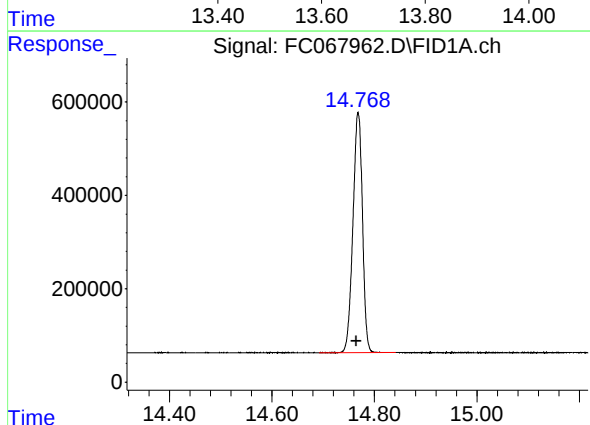
R.T.: 12.912 min
Delta R.T.: 0.003 min
Response: 6148518
Conc: 47.71 ug/ml



#13 n-Docosane (C22)

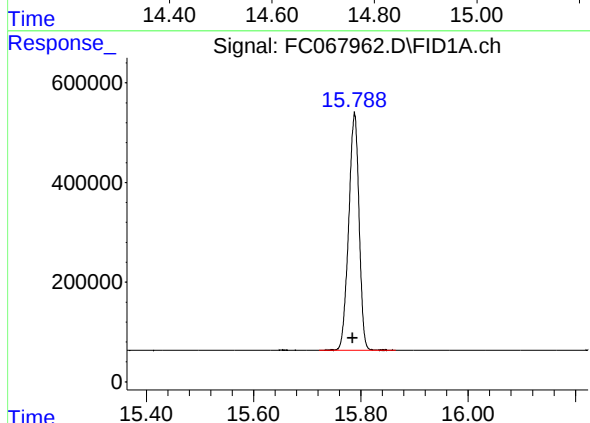
R.T.: 13.667 min
Delta R.T.: 0.003 min
Response: 6851009
Conc: 47.51 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



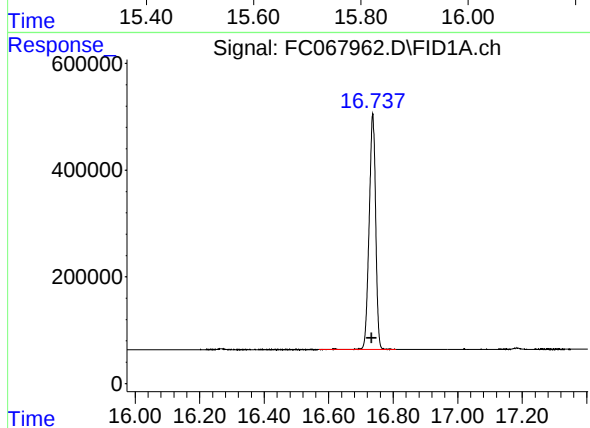
#14 n-Tetracosane (C24)

R.T.: 14.768 min
Delta R.T.: 0.004 min
Response: 6643747
Conc: 47.57 ug/ml



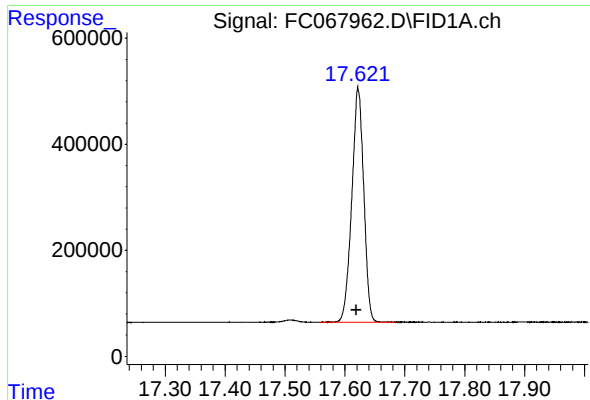
#15 n-Hexacosane (C26)

R.T.: 15.788 min
Delta R.T.: 0.003 min
Response: 6396052
Conc: 47.63 ug/ml



#16 n-Octacosane (C28)

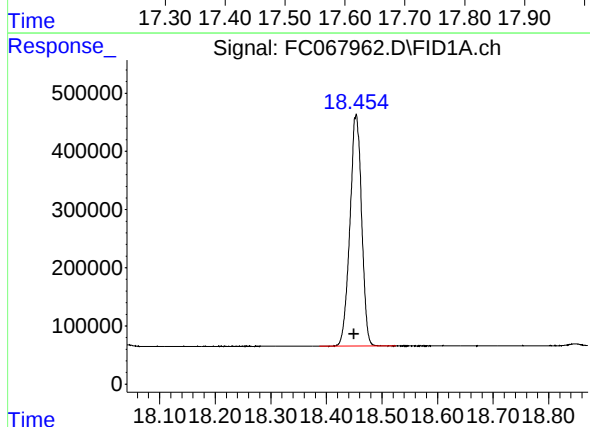
R.T.: 16.737 min
Delta R.T.: 0.004 min
Response: 6171012
Conc: 47.75 ug/ml



#17 n-Tricontane (C30)

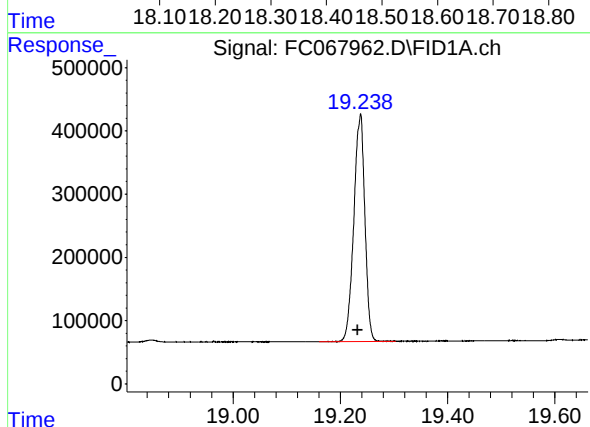
R.T.: 17.622 min
Delta R.T.: 0.003 min
Response: 6122300
Conc: 47.58 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



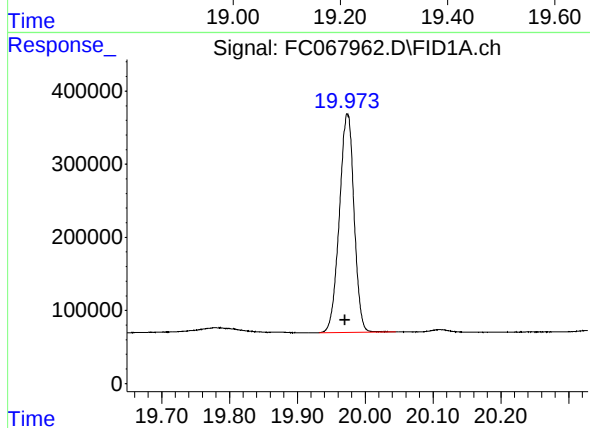
#18 n-Dotriacontane (C32)

R.T.: 18.454 min
Delta R.T.: 0.004 min
Response: 5824606
Conc: 47.41 ug/ml



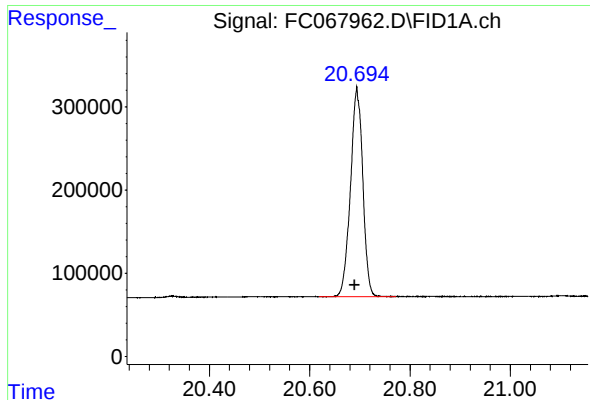
#19 n-Tetatriacontane (C34)

R.T.: 19.237 min
Delta R.T.: 0.004 min
Response: 5136813
Conc: 47.48 ug/ml



#20 n-Hexatriacontane (C36)

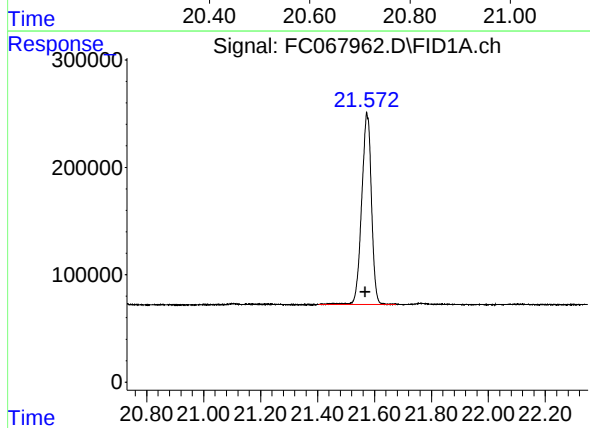
R.T.: 19.974 min
Delta R.T.: 0.004 min
Response: 4512465
Conc: 47.80 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.694 min
Delta R.T.: 0.005 min
Response: 4273980
Conc: 47.35 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



#22 n-Tetracontane (C40)

R.T.: 21.574 min
Delta R.T.: 0.006 min
Response: 4236953
Conc: 48.18 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC121024AL\
 Data File : FC067962.D
 Signal(s) : FID1A.ch
 Acq On : 10 Dec 2024 05:24
 Sample : 50 PPM ALIPHATIC HC STD2
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 121024.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	3.253	3.195	3.317	BB	891397	7439779	87.98%	5.045%
2	4.316	4.252	4.390	BB	840345	7616487	90.07%	5.165%
3	5.892	5.835	5.985	BB	894065	8456127	100.00%	5.734%
4	6.331	6.272	6.399	BB	786548	7756386	91.73%	5.260%
5	6.948	6.897	7.067	BV	826668	8196212	96.93%	5.558%
6	8.124	7.985	8.194	BB	704614	7677734	90.79%	5.206%
7	9.724	9.675	9.824	BB	691052	7830129	92.60%	5.310%
8	11.164	11.120	11.245	BB	641702	7726228	91.37%	5.239%
9	11.475	11.412	11.542	BB	741287	8263318	97.72%	5.603%
10	12.471	12.402	12.535	BB	596698	7209186	85.25%	4.889%
11	12.912	12.852	12.979	BB	509947	6148518	72.71%	4.169%
12	13.082	13.019	13.140	BB	575806	6982835	82.58%	4.735%
13	13.667	13.595	13.744	BB	537075	6851009	81.02%	4.646%
14	14.768	14.692	14.842	BB	514046	6643747	78.57%	4.505%
15	15.788	15.722	15.865	BB	477253	6396052	75.64%	4.337%
16	16.737	16.570	16.809	BB	441505	6171012	72.98%	4.185%
17	17.622	17.557	17.685	BB	440973	6122300	72.40%	4.152%
18	18.454	18.387	18.525	BB	397454	5824606	68.88%	3.950%
19	19.237	19.160	19.304	BB	357041	5136813	60.75%	3.483%
20	19.974	19.932	20.045	BB	299475	4512465	53.36%	3.060%
21	20.694	20.619	20.772	BB	250021	4273980	50.54%	2.898%
22	21.574	21.405	21.675	BB	177211	4236953	50.11%	2.873%
Sum of corrected areas:						147471874		

Aliphatic EPH 121024.M Tue Dec 10 08:34:38 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC121024AL\
 Data File : FC067963.D
 Signal(s) : FID1A.ch
 Acq On : 10 Dec 2024 06:01
 Operator : YP/AJ
 Sample : 20 PPM ALIPHATIC HC STD3
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 20 PPM ALIPHATIC HC STD3

Integration File: autoint1.e
 Quant Time: Dec 10 07:48:32 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 121024.M
 Quant Title : GC Extractables
 QLast Update : Tue Dec 10 07:47:35 2024
 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)	11.470	3478796	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
12) S 1-chlorooctadecane (S...	12.909	2577301	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
Target Compounds			
1) T n-Nonane (C9)	3.252	3147958	20.000 ug/ml
2) T n-Decane (C10)	4.314	3214085	20.000 ug/ml
3) T A~Naphthalene (C11.7)	5.890	3539917	20.000 ug/ml
4) T n-Dodecane (C12)	6.329	3271530	20.000 ug/ml
5) T A~2-methylnaphthalene...	6.944	3417082	20.000 ug/ml
6) T n-Tetradecane (C14)	8.122	3227885	20.000 ug/ml
7) T n-Hexadecane (C16)	9.720	3274539	20.000 ug/ml
8) T n-Octadecane (C18)	11.160	3262121	20.000 ug/ml
10) T n-Eicosane (C20)	12.467	3040444	20.000 ug/ml
11) T n-Heneicosane (C21)	13.078	2950289	20.000 ug/ml
13) T n-Docosane (C22)	13.664	2883779	20.000 ug/ml
14) T n-Tetracosane (C24)	14.765	2793059	20.000 ug/ml
15) T n-Hexacosane (C26)	15.785	2685455	20.000 ug/ml
16) T n-Octacosane (C28)	16.733	2584611	20.000 ug/ml
17) T n-Tricontane (C30)	17.619	2573207	20.000 ug/ml
18) T n-Dotriacontane (C32)	18.450	2457034	20.000 ug/ml
19) T n-Tetratriacontane (C34)	19.232	2163820	20.000 ug/ml
20) T n-Hexatriacontane (C36)	19.970	1888135	20.000 ug/ml
21) T n-Octatriacontane (C38)	20.689	1805134	20.000 ug/ml
22) T n-Tetracontane (C40)	21.568	1758895	20.000 ug/ml

(f)=RT Delta > 1/2 Window

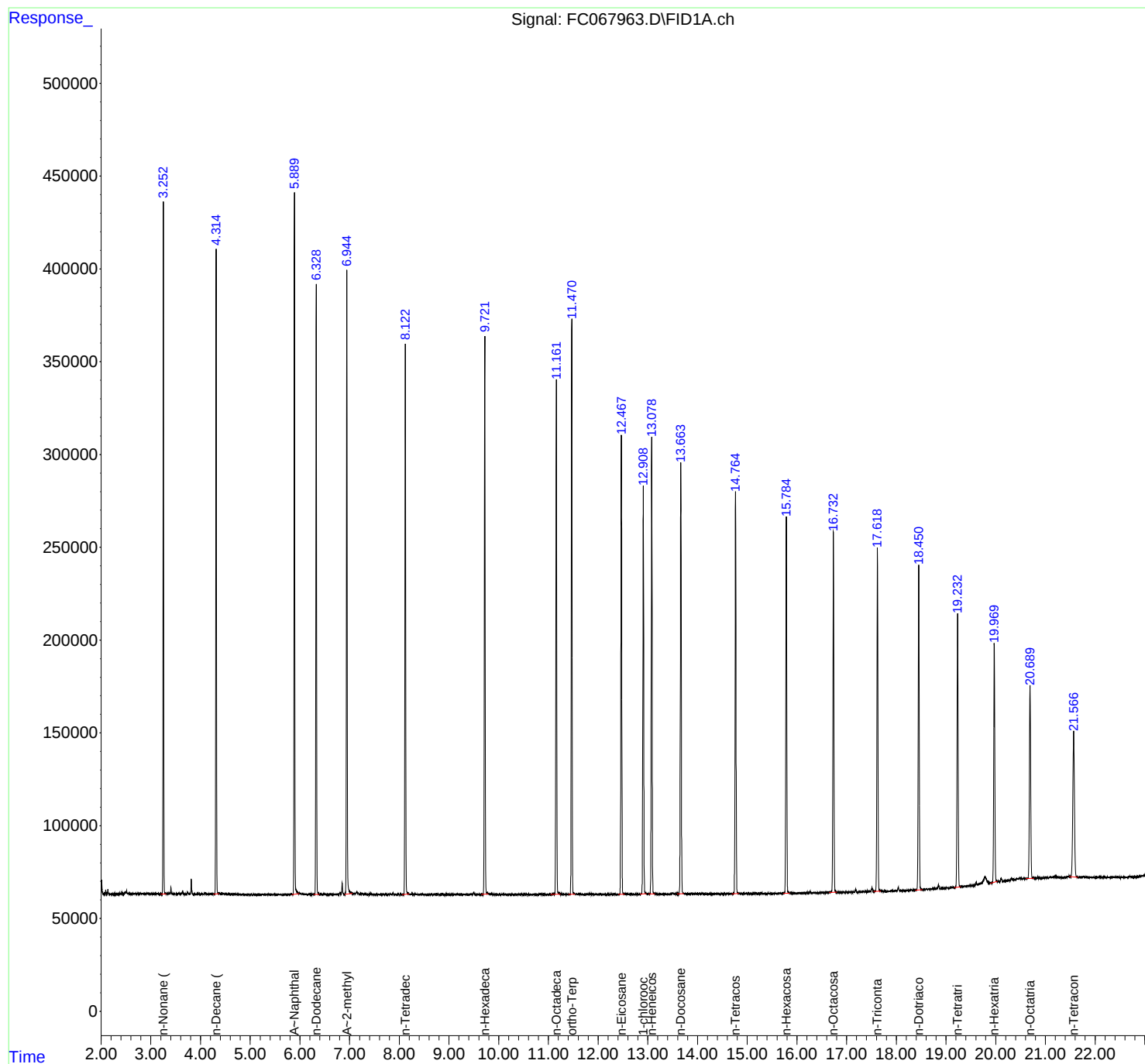
(m)=manual int.

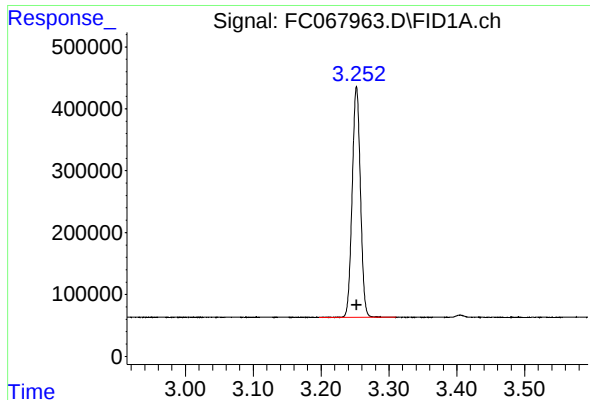
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC121024AL\
Data File : FC067963.D
Signal(s) : FID1A.ch
Acq On : 10 Dec 2024 06:01
Operator : YP/AJ
Sample : 20 PPM ALIPHATIC HC STD3
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3

Integration File: autoint1.e
Quant Time: Dec 10 07:48:32 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 121024.M
Quant Title : GC Extractables
QLast Update : Tue Dec 10 07:47:35 2024
Response via : Initial Calibration
Integrator: ChemStation

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

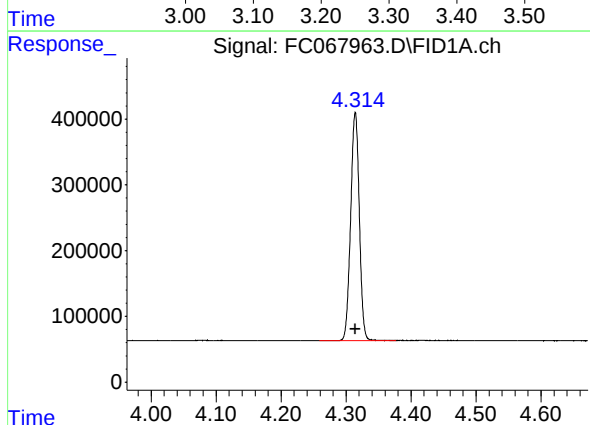




#1 n-Nonane (C9)

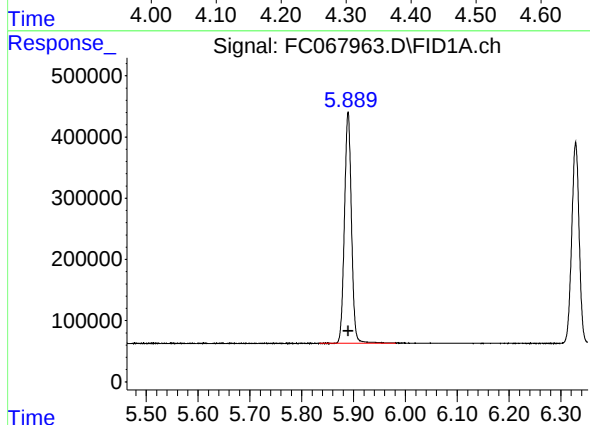
R.T.: 3.252 min
Delta R.T.: 0.000 min
Response: 3147958
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



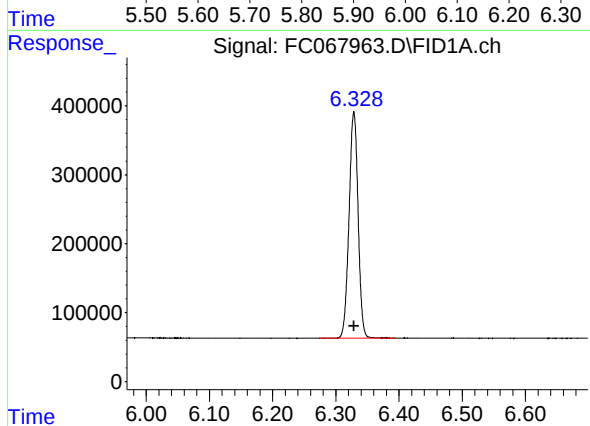
#2 n-Decane (C10)

R.T.: 4.314 min
Delta R.T.: 0.000 min
Response: 3214085
Conc: 20.00 ug/ml



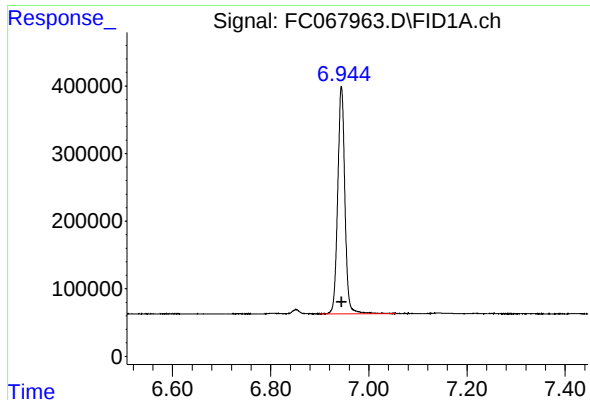
#3 A~Naphthalene (C11.7)

R.T.: 5.890 min
Delta R.T.: 0.000 min
Response: 3539917
Conc: 20.00 ug/ml



#4 n-Dodecane (C12)

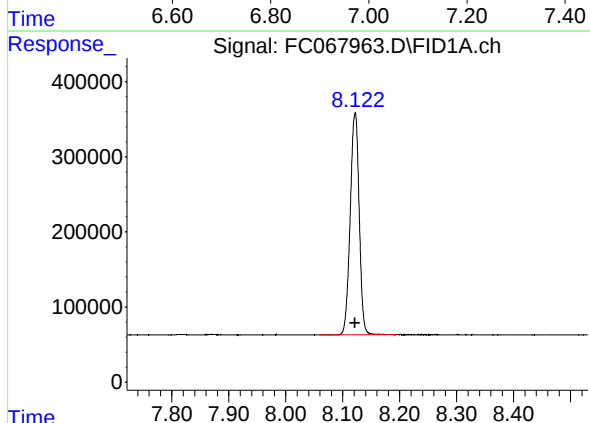
R.T.: 6.329 min
Delta R.T.: 0.000 min
Response: 3271530
Conc: 20.00 ug/ml



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

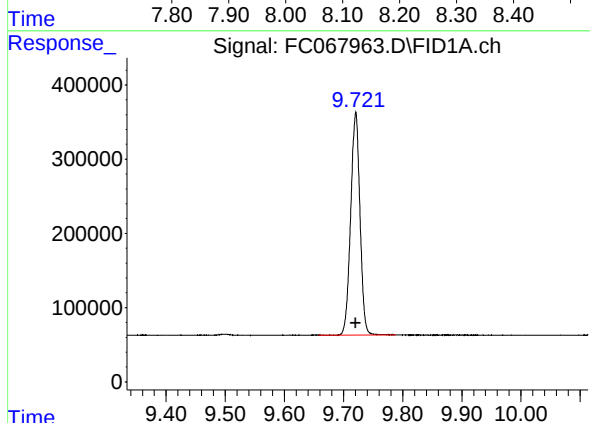
R.T.: 6.944 min
Delta R.T.: 0.000 min
Response: 3417082
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



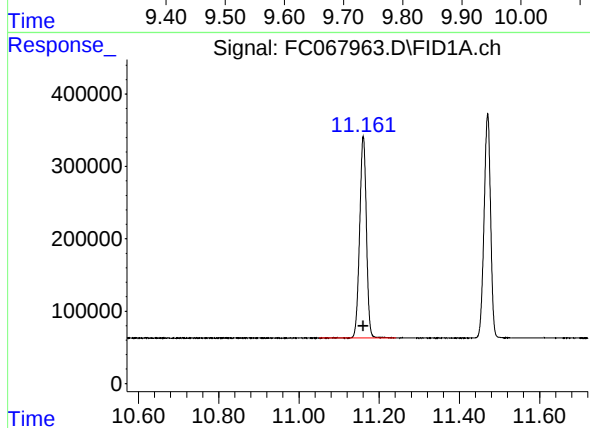
#6 n-Tetradecane (C14)

R.T.: 8.122 min
Delta R.T.: 0.000 min
Response: 3227885
Conc: 20.00 ug/ml



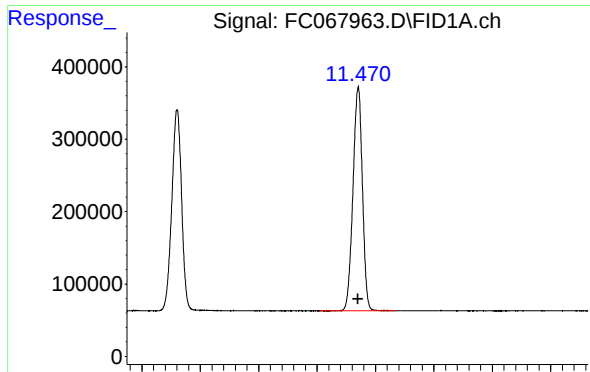
#7 n-Hexadecane (C16)

R.T.: 9.720 min
Delta R.T.: 0.000 min
Response: 3274539
Conc: 20.00 ug/ml



#8 n-Octadecane (C18)

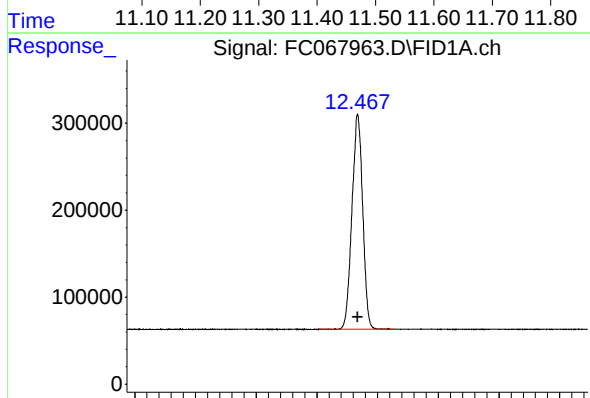
R.T.: 11.160 min
Delta R.T.: 0.000 min
Response: 3262121
Conc: 20.00 ug/ml



#9 ortho-Terphenyl (SURR)

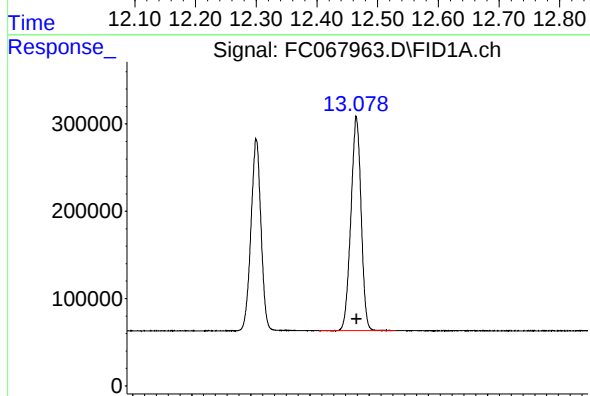
R.T.: 11.470 min
Delta R.T.: 0.000 min
Response: 3478796
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



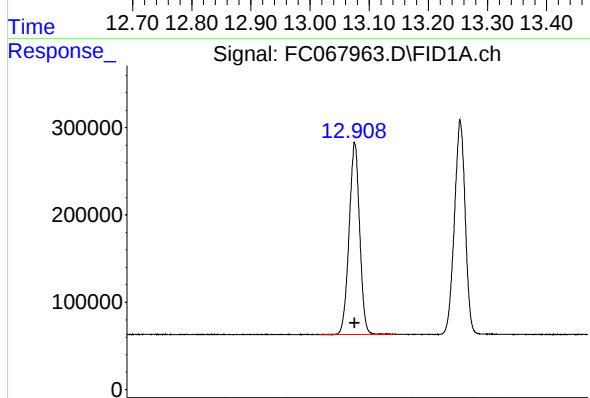
#10 n-Eicosane (C20)

R.T.: 12.467 min
Delta R.T.: 0.000 min
Response: 3040444
Conc: 20.00 ug/ml



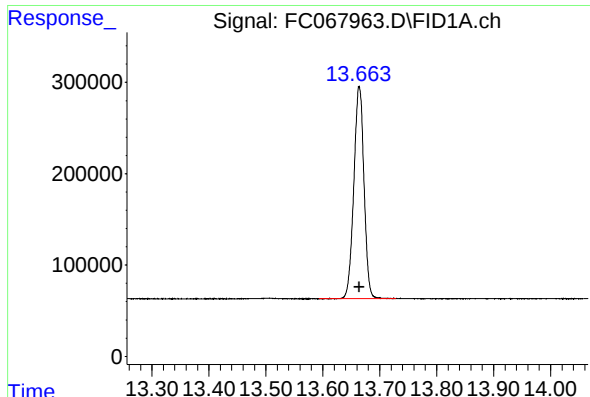
#11 n-Heneicosane (C21)

R.T.: 13.078 min
Delta R.T.: 0.000 min
Response: 2950289
Conc: 20.00 ug/ml



#12 1-chlorooctadecane (SURR)

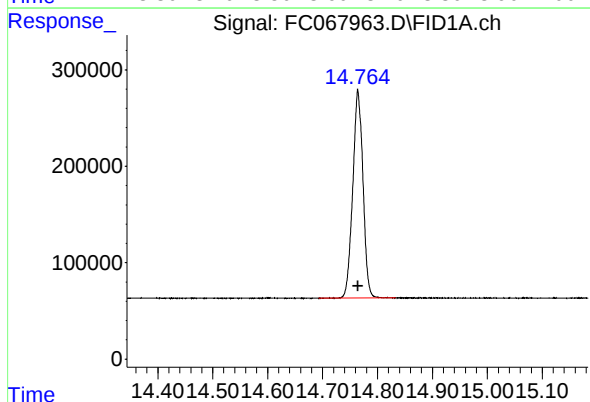
R.T.: 12.909 min
Delta R.T.: 0.000 min
Response: 2577301
Conc: 20.00 ug/ml



#13 n-Docosane (C22)

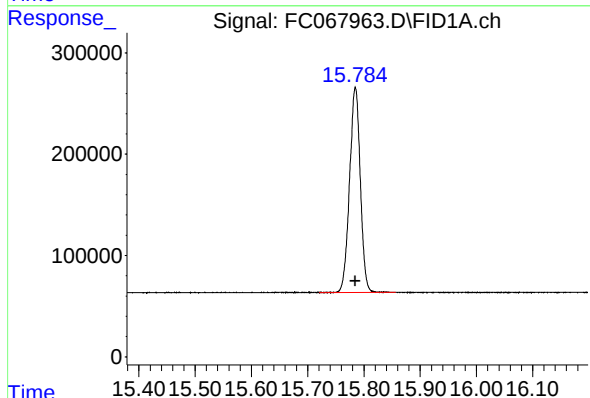
R.T.: 13.664 min
Delta R.T.: 0.000 min
Response: 2883779
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



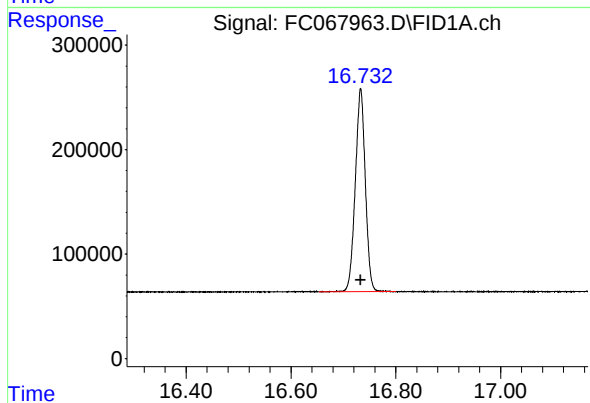
#14 n-Tetracosane (C24)

R.T.: 14.765 min
Delta R.T.: 0.000 min
Response: 2793059
Conc: 20.00 ug/ml



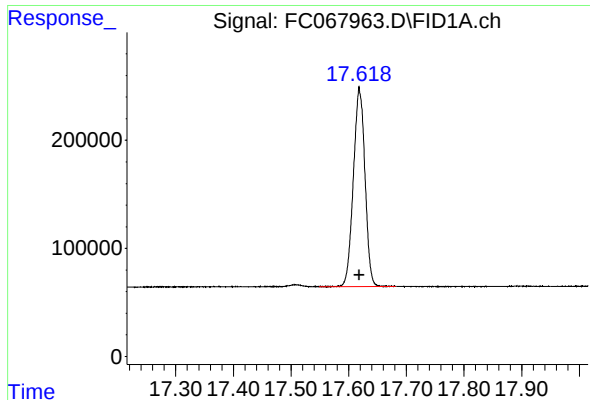
#15 n-Hexacosane (C26)

R.T.: 15.785 min
Delta R.T.: 0.000 min
Response: 2685455
Conc: 20.00 ug/ml



#16 n-Octacosane (C28)

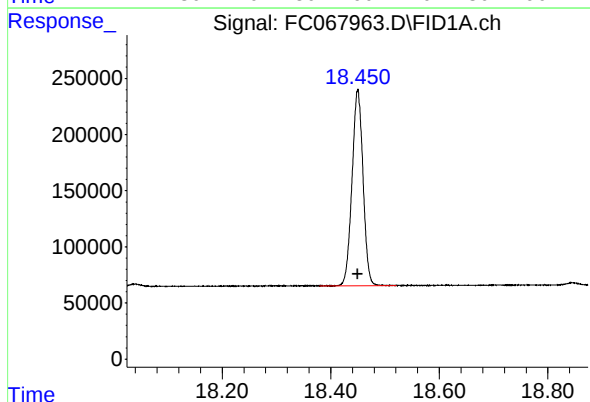
R.T.: 16.733 min
Delta R.T.: 0.000 min
Response: 2584611
Conc: 20.00 ug/ml



#17 n-Tricontane (C30)

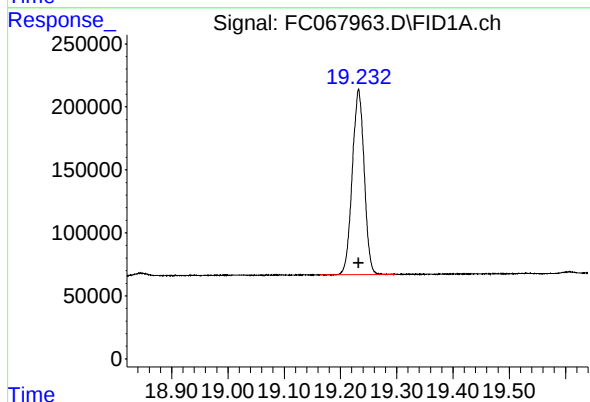
R.T.: 17.619 min
Delta R.T.: 0.000 min
Response: 2573207
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



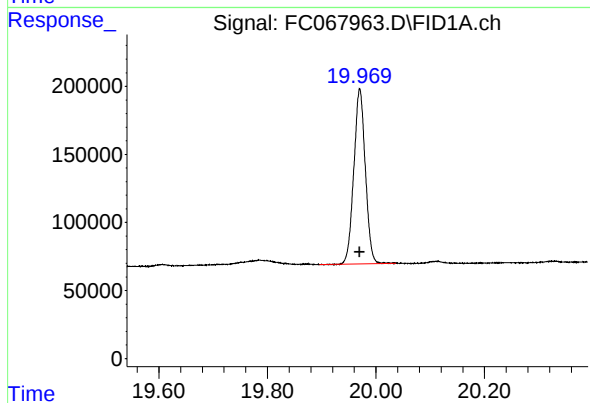
#18 n-Dotriacontane (C32)

R.T.: 18.450 min
Delta R.T.: 0.000 min
Response: 2457034
Conc: 20.00 ug/ml



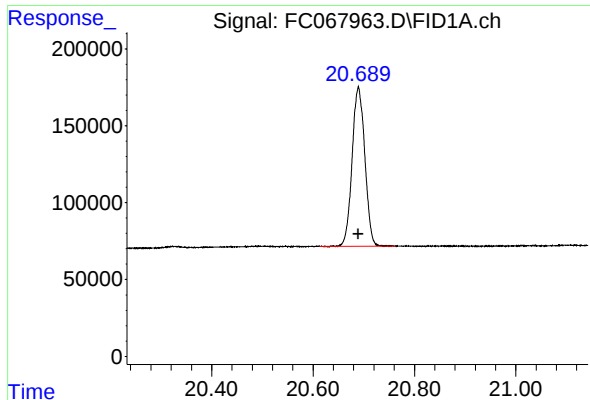
#19 n-Tetratriacontane (C34)

R.T.: 19.232 min
Delta R.T.: 0.000 min
Response: 2163820
Conc: 20.00 ug/ml



#20 n-Hexatriacontane (C36)

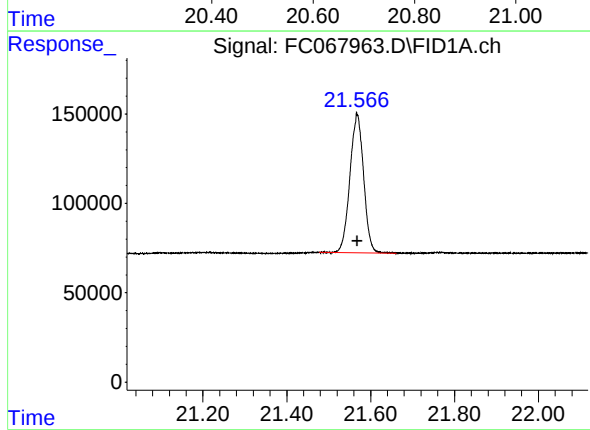
R.T.: 19.970 min
Delta R.T.: 0.000 min
Response: 1888135
Conc: 20.00 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.689 min
Delta R.T.: 0.000 min
Response: 1805134
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



#22 n-Tetracontane (C40)

R.T.: 21.568 min
Delta R.T.: 0.000 min
Response: 1758895
Conc: 20.00 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC121024AL\
Data File : FC067963.D
Signal(s) : FID1A.ch
Acq On : 10 Dec 2024 06:01
Sample : 20 PPM ALIPHATIC HC STD3
Misc :
ALS Vial : 28 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 121024.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	3.252	3.197	3.310	BB	372980	3147958	88.93%	5.078%
2	4.314	4.258	4.377	BB	346432	3214085	90.80%	5.184%
3	5.890	5.833	5.982	BB	379779	3539917	100.00%	5.710%
4	6.329	6.274	6.395	BB	328341	3271530	92.42%	5.277%
5	6.944	6.899	7.055	BB	336484	3417082	96.53%	5.512%
6	8.122	8.059	8.194	BB	296030	3227885	91.19%	5.207%
7	9.720	9.659	9.789	BB	298772	3274539	92.50%	5.282%
8	11.160	11.050	11.242	BB	277483	3262121	92.15%	5.262%
9	11.470	11.404	11.535	BB	308458	3478796	98.27%	5.611%
10	12.467	12.404	12.530	BB	247040	3040444	85.89%	4.904%
11	12.909	12.852	12.975	BB	220519	2577301	72.81%	4.157%
12	13.078	13.015	13.145	BB	245019	2950289	83.34%	4.759%
13	13.664	13.594	13.729	BB	232655	2883779	81.46%	4.652%
14	14.765	14.694	14.834	BB	212771	2793059	78.90%	4.505%
15	15.785	15.720	15.857	BB	202434	2685455	75.86%	4.332%
16	16.733	16.654	16.800	BB	194383	2584611	73.01%	4.169%
17	17.619	17.549	17.682	BB	183051	2573207	72.69%	4.151%
18	18.450	18.379	18.520	BB	174902	2457034	69.41%	3.963%
19	19.232	19.162	19.299	BB	146887	2163820	61.13%	3.490%
20	19.970	19.895	20.037	BB	128704	1888135	53.34%	3.046%
21	20.689	20.612	20.764	BB	103862	1805134	50.99%	2.912%
22	21.568	21.477	21.660	BB	76658	1758895	49.69%	2.837%
Sum of corrected areas:							61995077	

Aliphatic EPH 121024.M Tue Dec 10 08:35:08 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC121024AL\
 Data File : FC067964.D
 Signal(s) : FID1A.ch
 Acq On : 10 Dec 2024 06:37
 Operator : YP/AJ
 Sample : 10 PPM ALIPHATIC HC STD4
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 10 PPM ALIPHATIC HC STD4

Integration File: autoint1.e
 Quant Time: Dec 10 07:48:44 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 121024.M
 Quant Title : GC Extractables
 QLast Update : Tue Dec 10 07:47:35 2024
 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)	11.469	1802533	10.363 ug/ml
Spiked Amount 50.000		Recovery =	20.73%
12) S 1-chlorooctadecane (S...	12.909	1327156	10.299 ug/ml
Spiked Amount 50.000		Recovery =	20.60%
Target Compounds			
1) T n-Nonane (C9)	3.252	1623015	10.312 ug/ml
2) T n-Decane (C10)	4.314	1654011	10.292 ug/ml
3) T A~Naphthalene (C11.7)	5.889	1815911	10.260 ug/ml
4) T n-Dodecane (C12)	6.328	1679969	10.270 ug/ml
5) T A~2-methylnaphthalene...	6.944	1727677	10.112 ug/ml
6) T n-Tetradecane (C14)	8.121	1651716	10.234 ug/ml
7) T n-Hexadecane (C16)	9.719	1670857	10.205 ug/ml
8) T n-Octadecane (C18)	11.159	1670725	10.243 ug/ml
10) T n-Eicosane (C20)	12.467	1572180	10.342 ug/ml
11) T n-Heneicosane (C21)	13.078	1525125	10.339 ug/ml
13) T n-Docosane (C22)	13.664	1490072	10.334 ug/ml
14) T n-Tetracosane (C24)	14.764	1445384	10.350 ug/ml
15) T n-Hexacosane (C26)	15.784	1390261	10.354 ug/ml
16) T n-Octacosane (C28)	16.732	1349238	10.441 ug/ml
17) T n-Tricontane (C30)	17.617	1353242	10.518 ug/ml
18) T n-Dotriacontane (C32)	18.450	1296616	10.554 ug/ml
19) T n-Tetratriacontane (C34)	19.231	1140985	10.546 ug/ml
20) T n-Hexatriacontane (C36)	19.970	982778	10.410 ug/ml
21) T n-Octatriacontane (C38)	20.690	943772	10.457 ug/ml
22) T n-Tetracontane (C40)	21.567	911825	10.368 ug/ml

(f)=RT Delta > 1/2 Window

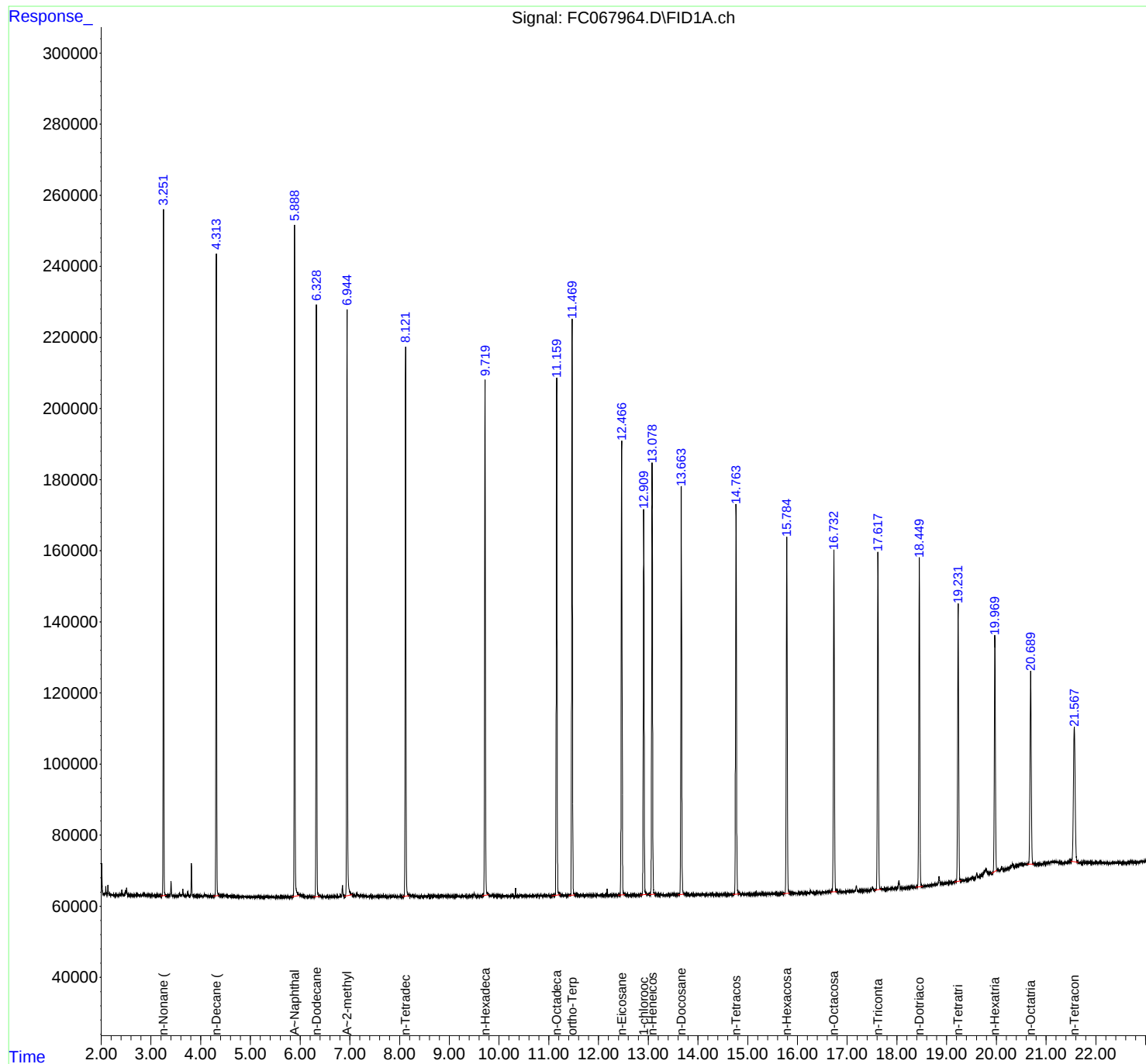
(m)=manual int.

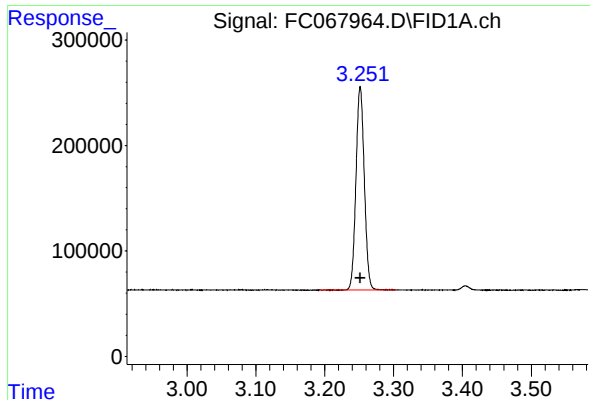
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC121024AL\
Data File : FC067964.D
Signal(s) : FID1A.ch
Acq On : 10 Dec 2024 06:37
Operator : YP/AJ
Sample : 10 PPM ALIPHATIC HC STD4
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4

Integration File: autoint1.e
Quant Time: Dec 10 07:48:44 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 121024.M
Quant Title : GC Extractables
QLast Update : Tue Dec 10 07:47:35 2024
Response via : Initial Calibration
Integrator: ChemStation

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

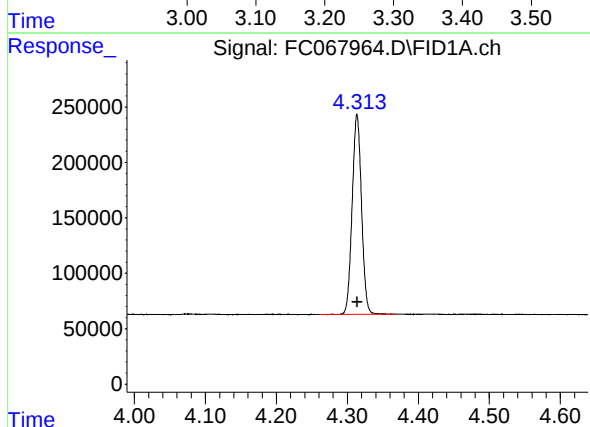




#1 n-Nonane (C9)

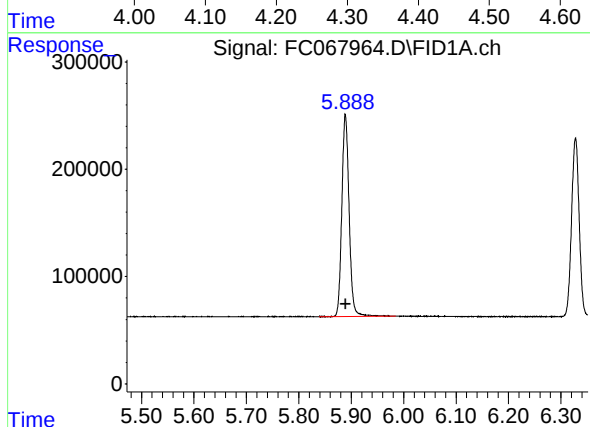
R.T.: 3.252 min
Delta R.T.: 0.000 min
Response: 1623015
Conc: 10.31 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



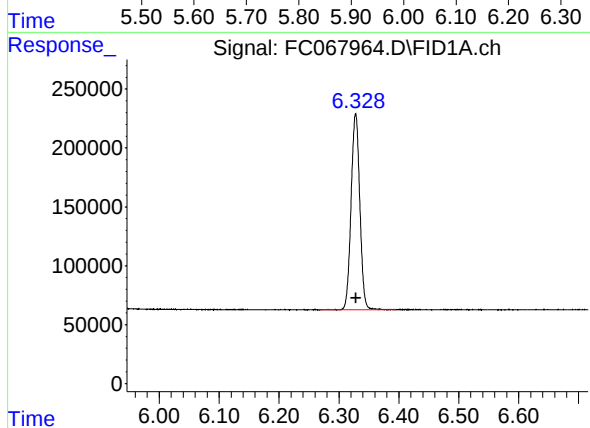
#2 n-Decane (C10)

R.T.: 4.314 min
Delta R.T.: 0.000 min
Response: 1654011
Conc: 10.29 ug/ml



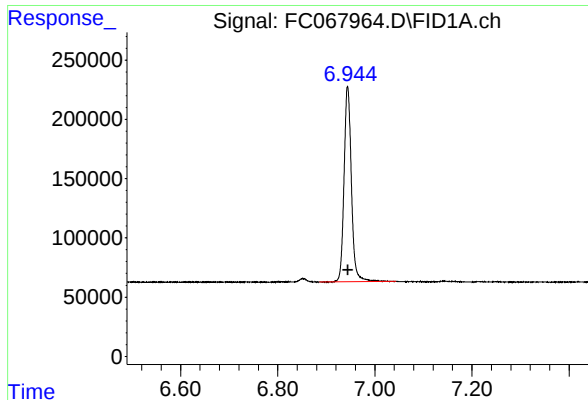
#3 A~Naphthalene (C11.7)

R.T.: 5.889 min
Delta R.T.: 0.000 min
Response: 1815911
Conc: 10.26 ug/ml



#4 n-Dodecane (C12)

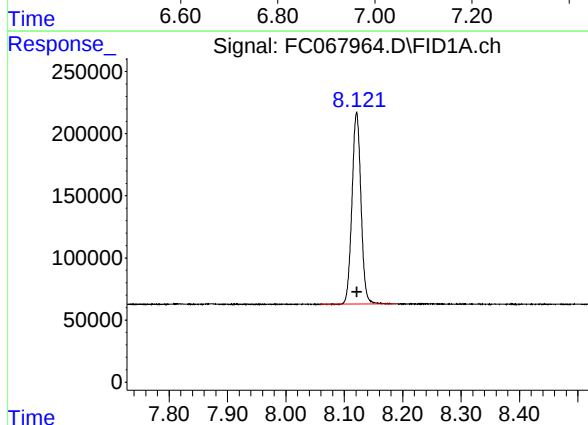
R.T.: 6.328 min
Delta R.T.: 0.000 min
Response: 1679969
Conc: 10.27 ug/ml



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

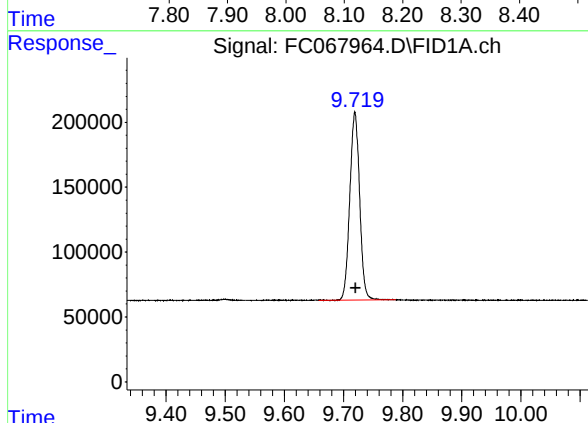
R.T.: 6.944 min
Delta R.T.: 0.000 min
Response: 1727677
Conc: 10.11 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



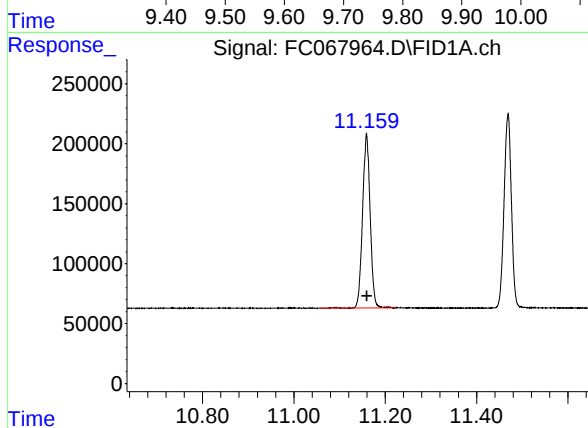
#6 n-Tetradecane (C14)

R.T.: 8.121 min
Delta R.T.: 0.000 min
Response: 1651716
Conc: 10.23 ug/ml



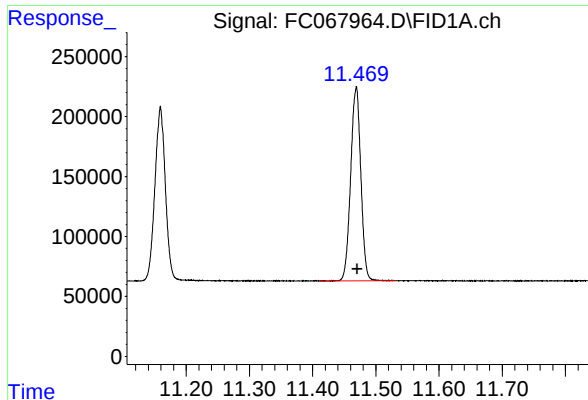
#7 n-Hexadecane (C16)

R.T.: 9.719 min
Delta R.T.: -0.001 min
Response: 1670857
Conc: 10.21 ug/ml



#8 n-Octadecane (C18)

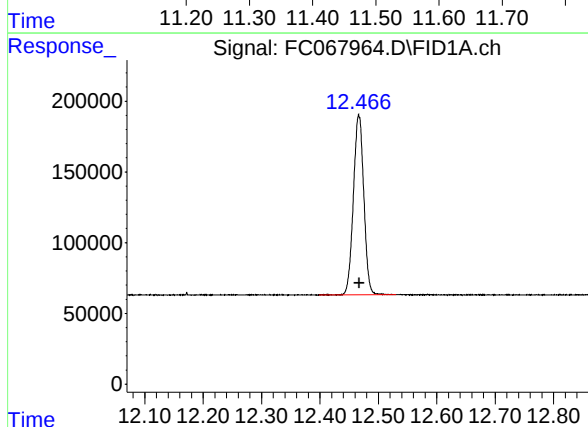
R.T.: 11.159 min
Delta R.T.: -0.001 min
Response: 1670725
Conc: 10.24 ug/ml



#9 ortho-Terphenyl (SURR)

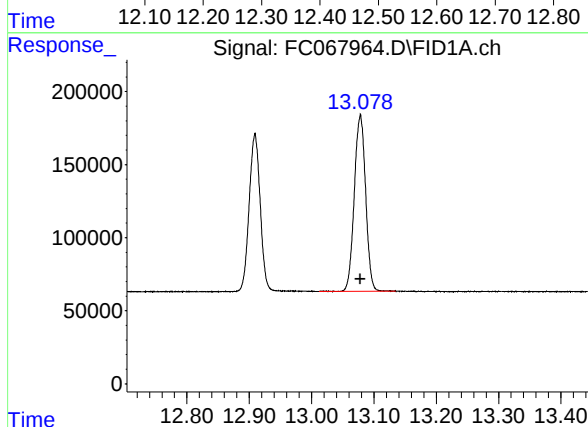
R.T.: 11.469 min
Delta R.T.: -0.002 min
Response: 1802533
Conc: 10.36 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



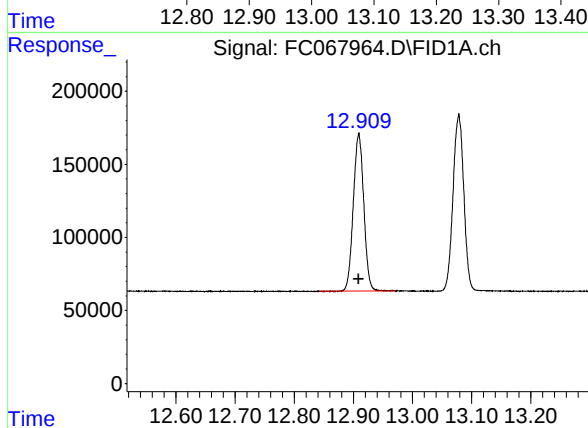
#10 n-Eicosane (C20)

R.T.: 12.467 min
Delta R.T.: 0.000 min
Response: 1572180
Conc: 10.34 ug/ml



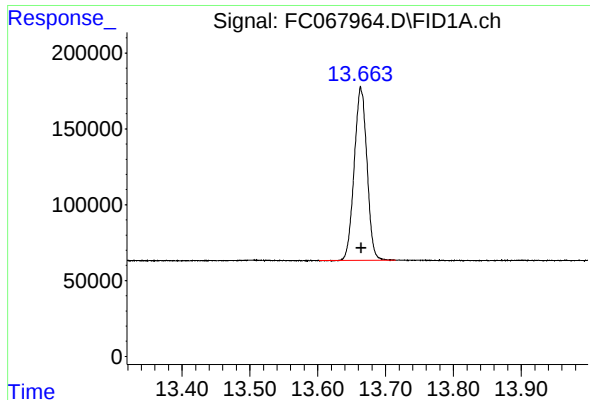
#11 n-Heneicosane (C21)

R.T.: 13.078 min
Delta R.T.: 0.000 min
Response: 1525125
Conc: 10.34 ug/ml



#12 1-chlorooctadecane (SURR)

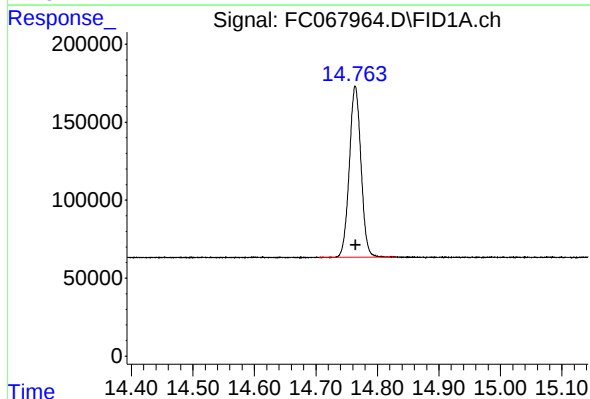
R.T.: 12.909 min
Delta R.T.: 0.000 min
Response: 1327156
Conc: 10.30 ug/ml



#13 n-Docosane (C22)

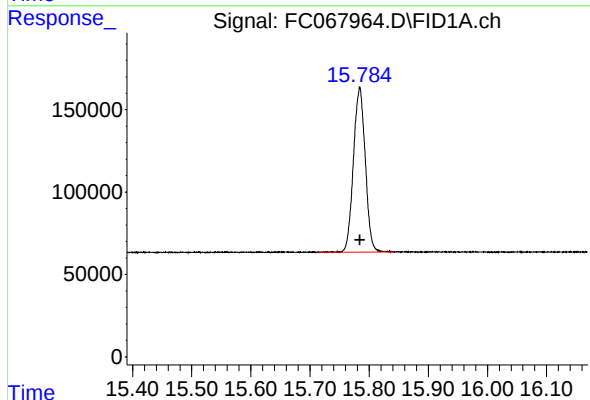
R.T.: 13.664 min
Delta R.T.: 0.000 min
Response: 1490072
Conc: 10.33 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



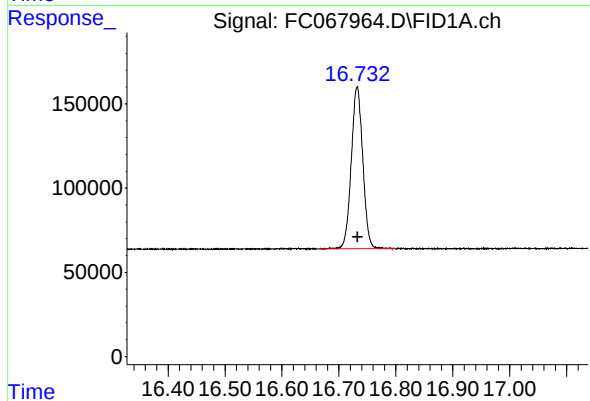
#14 n-Tetracosane (C24)

R.T.: 14.764 min
Delta R.T.: 0.000 min
Response: 1445384
Conc: 10.35 ug/ml



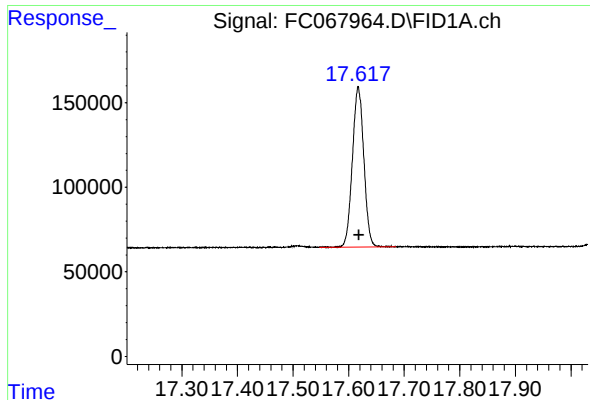
#15 n-Hexacosane (C26)

R.T.: 15.784 min
Delta R.T.: 0.000 min
Response: 1390261
Conc: 10.35 ug/ml



#16 n-Octacosane (C28)

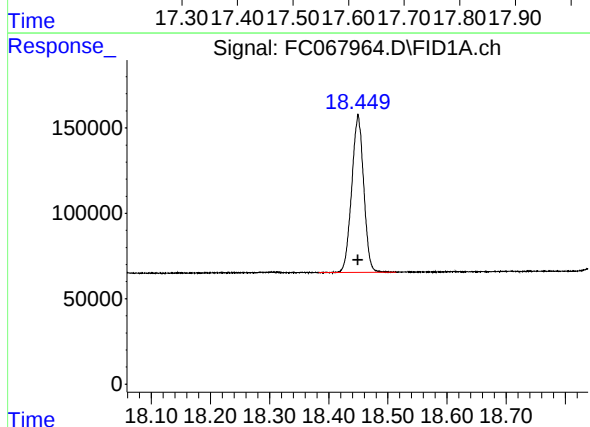
R.T.: 16.732 min
Delta R.T.: 0.000 min
Response: 1349238
Conc: 10.44 ug/ml



#17 n-Tricontane (C30)

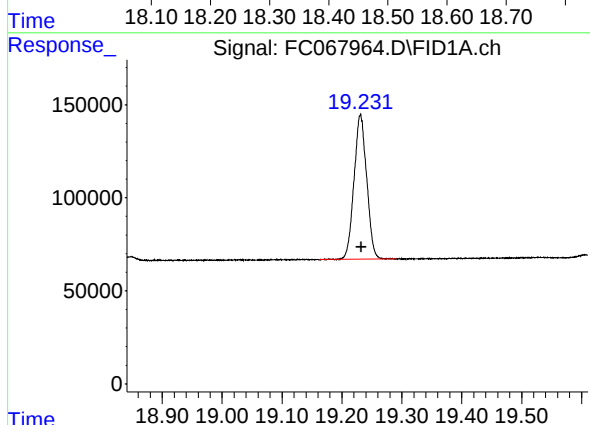
R.T.: 17.617 min
Delta R.T.: -0.001 min
Response: 1353242
Conc: 10.52 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



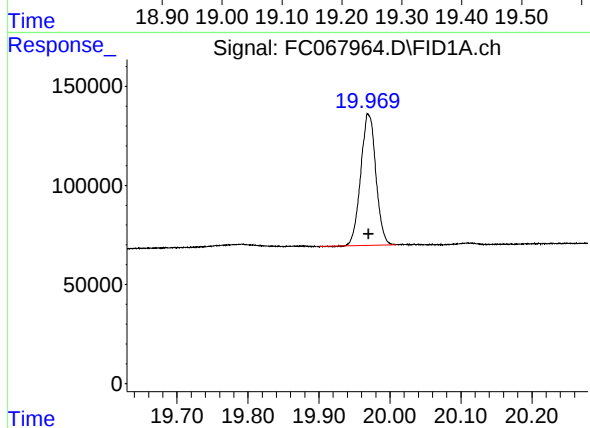
#18 n-Dotriacontane (C32)

R.T.: 18.450 min
Delta R.T.: 0.000 min
Response: 1296616
Conc: 10.55 ug/ml



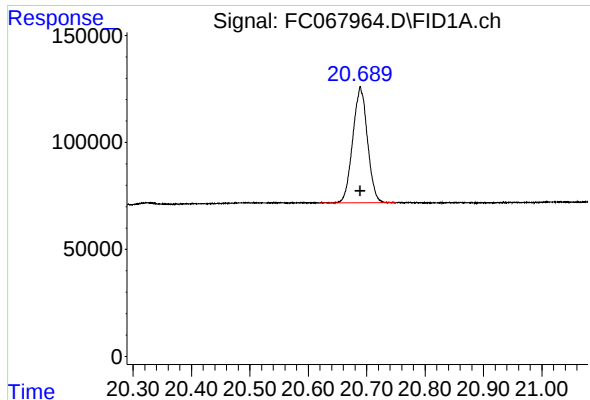
#19 n-Tetratriacontane (C34)

R.T.: 19.231 min
Delta R.T.: -0.001 min
Response: 1140985
Conc: 10.55 ug/ml



#20 n-Hexatriacontane (C36)

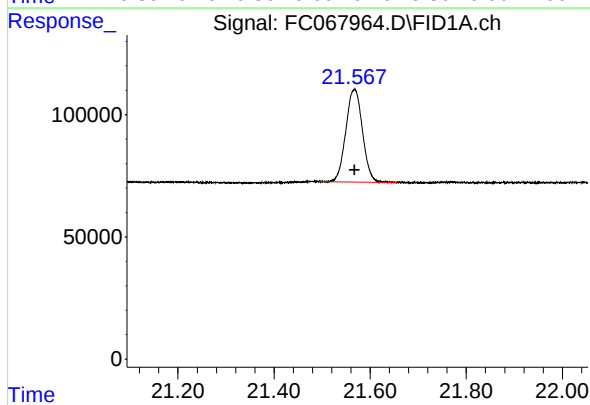
R.T.: 19.970 min
Delta R.T.: 0.000 min
Response: 982778
Conc: 10.41 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.690 min
Delta R.T.: 0.000 min
Response: 943772
Conc: 10.46 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



#22 n-Tetracontane (C40)

R.T.: 21.567 min
Delta R.T.: 0.000 min
Response: 911825
Conc: 10.37 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC121024AL\
Data File : FC067964.D
Signal(s) : FID1A.ch
Acq On : 10 Dec 2024 06:37
Sample : 10 PPM ALIPHATIC HC STD4
Misc :
ALS Vial : 29 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 121024.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	3.252	3.192	3.304	BB	192733	1623015	89.38%	5.068%
2	4.314	4.260	4.369	BB	180382	1654011	91.08%	5.165%
3	5.889	5.839	5.985	BB	188387	1815911	100.00%	5.670%
4	6.328	6.267	6.395	BB	166716	1679969	92.51%	5.246%
5	6.944	6.885	7.044	BB	165188	1727677	95.14%	5.395%
6	8.121	8.057	8.189	BB	154605	1651716	90.96%	5.158%
7	9.719	9.659	9.789	BB	144741	1670857	92.01%	5.217%
8	11.159	11.055	11.224	BB	144557	1670725	92.00%	5.217%
9	11.469	11.410	11.532	BB	160852	1802533	99.26%	5.629%
10	12.467	12.399	12.530	BB	126952	1572180	86.58%	4.909%
11	12.909	12.842	12.972	BB	107268	1327156	73.08%	4.144%
12	13.078	13.012	13.135	BB	121361	1525125	83.99%	4.762%
13	13.664	13.602	13.715	BB	113928	1490072	82.06%	4.653%
14	14.764	14.705	14.830	BB	110057	1445384	79.60%	4.513%
15	15.784	15.715	15.845	BB	99964	1390261	76.56%	4.341%
16	16.732	16.665	16.800	BB	95942	1349238	74.30%	4.213%
17	17.617	17.547	17.685	BB	94848	1353242	74.52%	4.226%
18	18.450	18.384	18.514	BB	92532	1296616	71.40%	4.049%
19	19.231	19.162	19.290	BB	77570	1140985	62.83%	3.563%
20	19.970	19.900	20.009	BB	65695	982778	54.12%	3.069%
21	20.690	20.619	20.750	BB	53456	943772	51.97%	2.947%
22	21.567	21.494	21.654	BB	37876	911825	50.21%	2.847%
Sum of corrected areas:							32025047	

Aliphatic EPH 121024.M Tue Dec 10 08:35:24 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC121024AL\
 Data File : FC067965.D
 Signal(s) : FID1A.ch
 Acq On : 10 Dec 2024 07:14
 Operator : YP/AJ
 Sample : 5 PPM ALIPHATIC HC STD5
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 5 PPM ALIPHATIC HC STD5

Integration File: autoint1.e
 Quant Time: Dec 10 07:49:25 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 121024.M
 Quant Title : GC Extractables
 QLast Update : Tue Dec 10 07:47:35 2024
 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)	11.468	931695	5.356 ug/ml
Spiked Amount 50.000		Recovery =	10.71%
12) S 1-chlorooctadecane (S...	12.908	673575	5.227 ug/ml
Spiked Amount 50.000		Recovery =	10.45%
Target Compounds			
1) T n-Nonane (C9)	3.252	837588	5.321 ug/ml
2) T n-Decane (C10)	4.314	849284	5.285 ug/ml
3) T A~Naphthalene (C11.7)	5.889	920617	5.201 ug/ml
4) T n-Dodecane (C12)	6.328	856678	5.237 ug/ml
5) T A~2-methylnaphthalene...	6.944	869061	5.087 ug/ml
6) T n-Tetradecane (C14)	8.120	844626	5.233 ug/ml
7) T n-Hexadecane (C16)	9.719	857364	5.237 ug/ml
8) T n-Octadecane (C18)	11.159	853140	5.231 ug/ml
10) T n-Eicosane (C20)	12.466	802158	5.277 ug/ml
11) T n-Heneicosane (C21)	13.077	781976	5.301 ug/ml
13) T n-Docosane (C22)	13.662	767100	5.320 ug/ml
14) T n-Tetracosane (C24)	14.763	744614	5.332 ug/ml
15) T n-Hexacosane (C26)	15.783	715051	5.325 ug/ml
16) T n-Octacosane (C28)	16.731	704114	5.449 ug/ml
17) T n-Tricontane (C30)	17.618	709104	5.511 ug/ml
18) T n-Dotriacontane (C32)	18.449	683639	5.565 ug/ml
19) T n-Tetratriacontane (C34)	19.231	601708	5.562 ug/ml
20) T n-Hexatriacontane (C36)	19.970	508095	5.382 ug/ml
21) T n-Octatriacontane (C38)	20.690	491184	5.442 ug/ml
22) T n-Tetracontane (C40)	21.567	470158	5.346 ug/ml

(f)=RT Delta > 1/2 Window

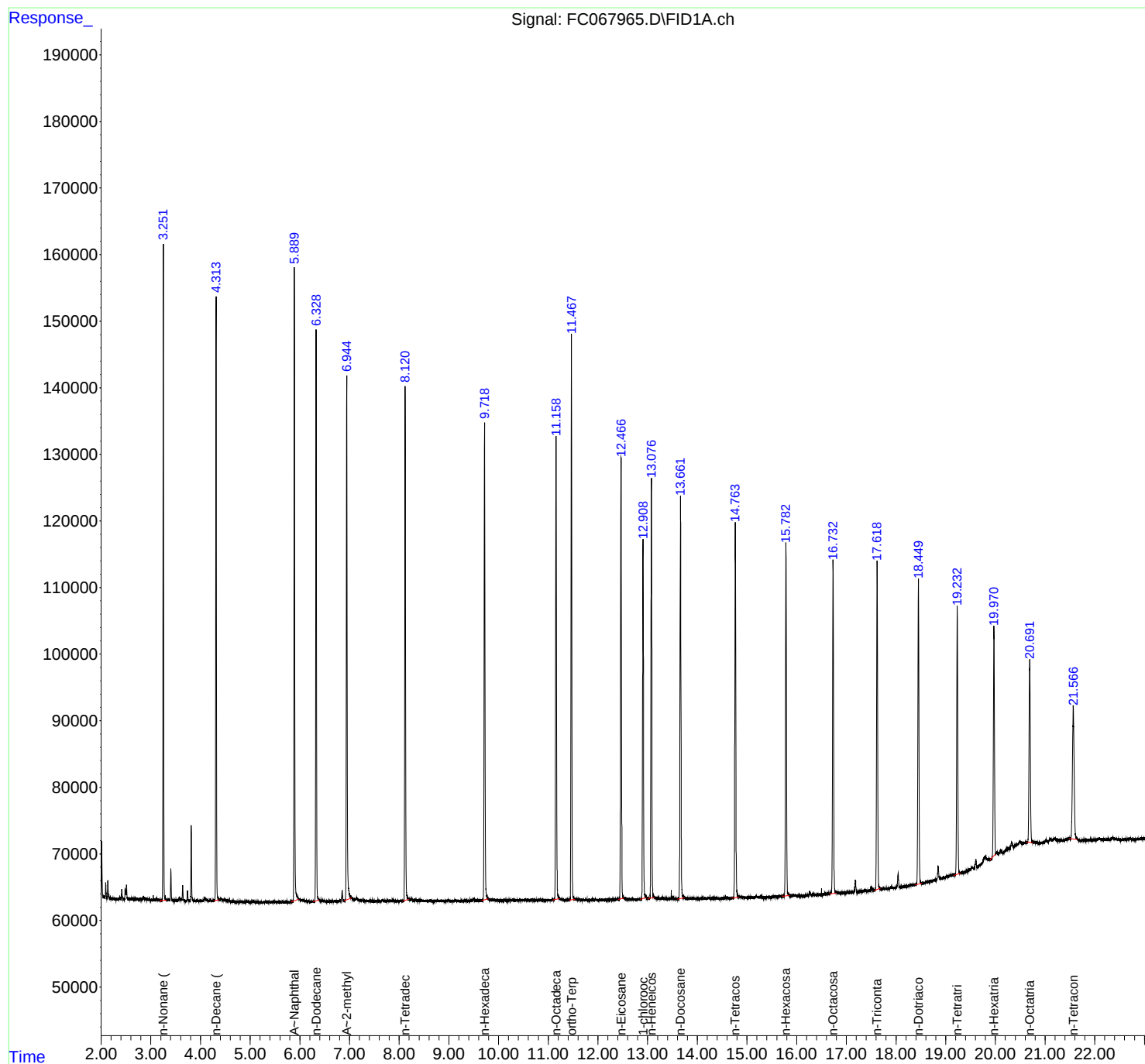
(m)=manual int.

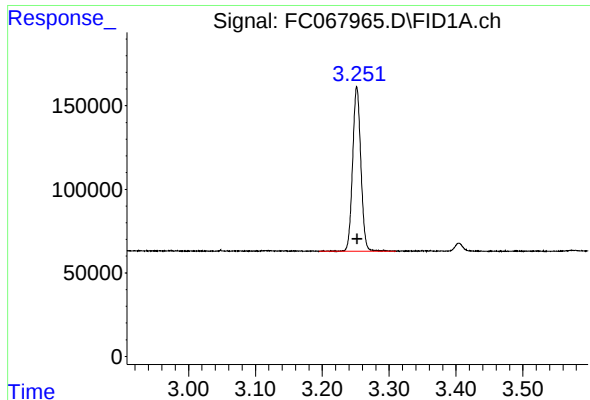
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC121024AL\
Data File : FC067965.D
Signal(s) : FID1A.ch
Acq On : 10 Dec 2024 07:14
Operator : YP/AJ
Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5

Integration File: autoint1.e
Quant Time: Dec 10 07:49:25 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 121024.M
Quant Title : GC Extractables
QLast Update : Tue Dec 10 07:47:35 2024
Response via : Initial Calibration
Integrator: ChemStation

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

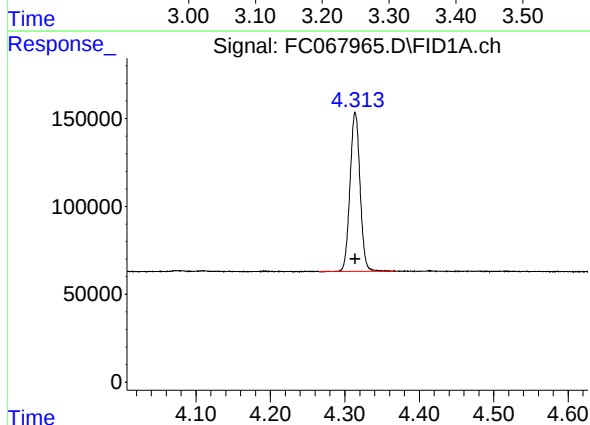




#1 n-Nonane (C9)

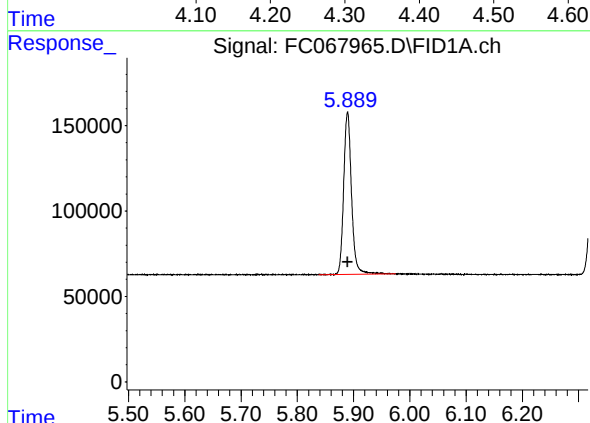
R.T.: 3.252 min
Delta R.T.: 0.000 min
Response: 837588
Conc: 5.32 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



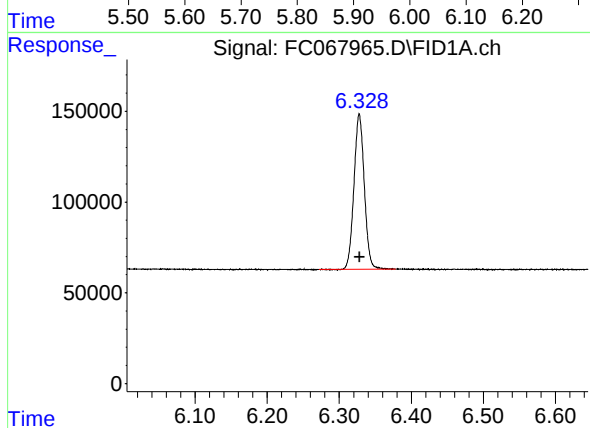
#2 n-Decane (C10)

R.T.: 4.314 min
Delta R.T.: 0.000 min
Response: 849284
Conc: 5.28 ug/ml



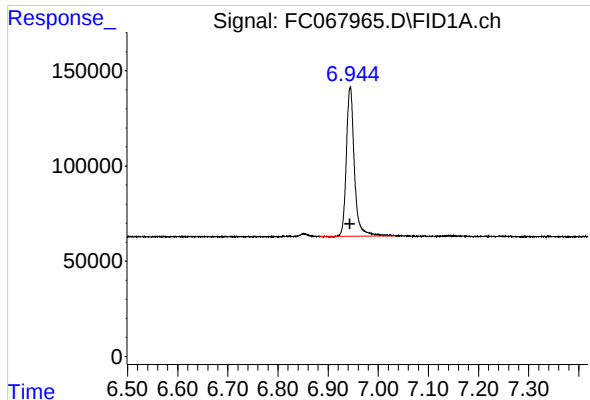
#3 A~Naphthalene (C11.7)

R.T.: 5.889 min
Delta R.T.: 0.000 min
Response: 920617
Conc: 5.20 ug/ml



#4 n-Dodecane (C12)

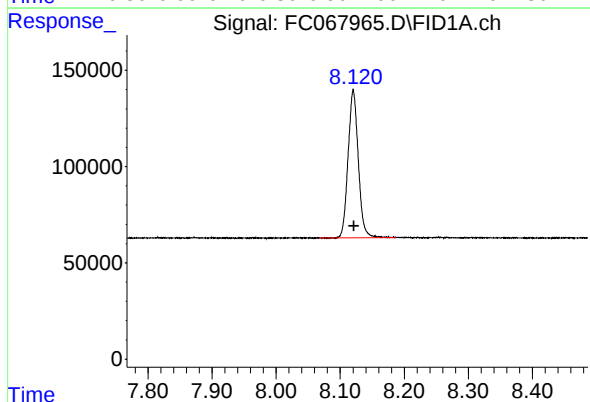
R.T.: 6.328 min
Delta R.T.: 0.000 min
Response: 856678
Conc: 5.24 ug/ml



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

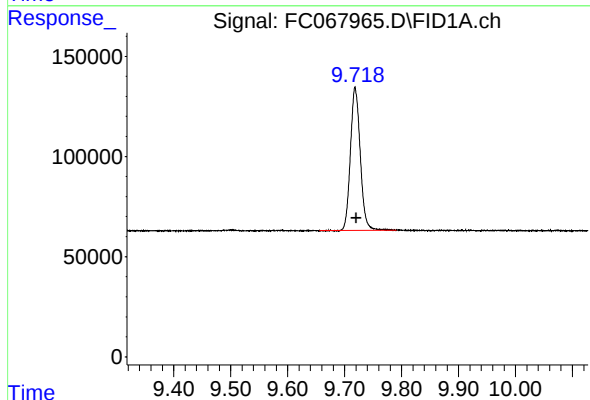
R.T.: 6.944 min
Delta R.T.: 0.000 min
Response: 869061
Conc: 5.09 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



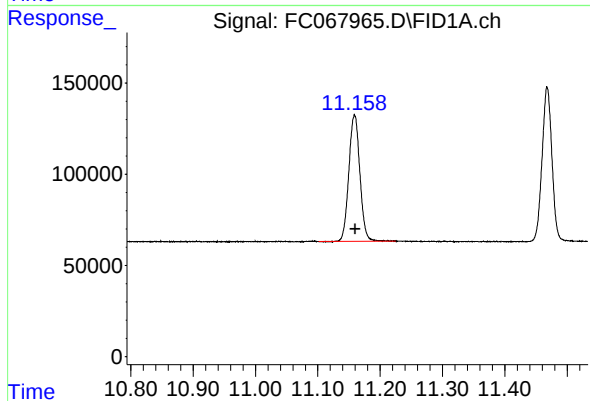
#6 n-Tetradecane (C14)

R.T.: 8.120 min
Delta R.T.: -0.001 min
Response: 844626
Conc: 5.23 ug/ml



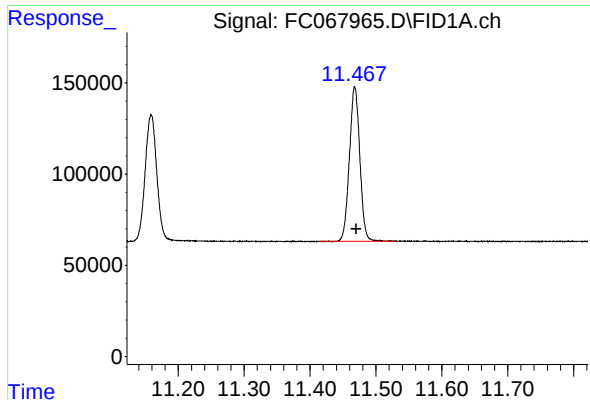
#7 n-Hexadecane (C16)

R.T.: 9.719 min
Delta R.T.: -0.002 min
Response: 857364
Conc: 5.24 ug/ml



#8 n-Octadecane (C18)

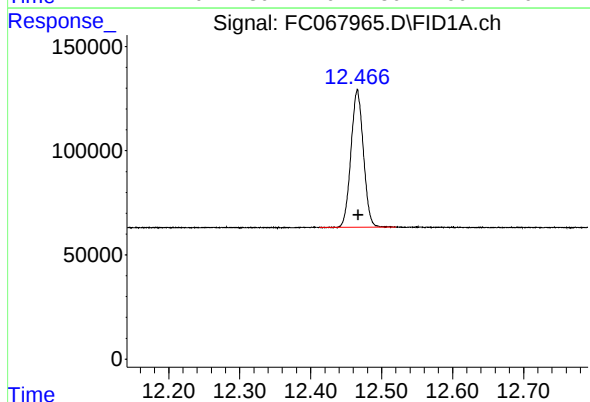
R.T.: 11.159 min
Delta R.T.: -0.001 min
Response: 853140
Conc: 5.23 ug/ml



#9 ortho-Terphenyl (SURR)

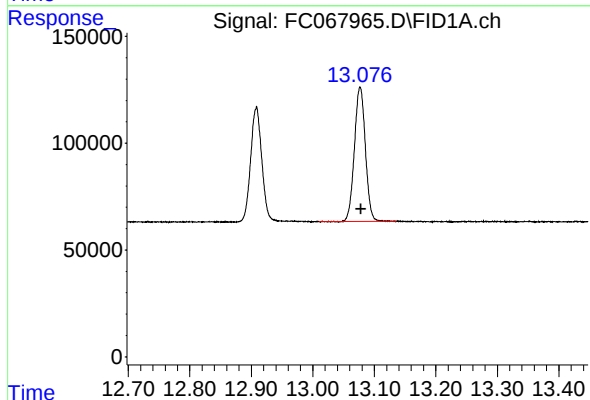
R.T.: 11.468 min
Delta R.T.: -0.002 min
Response: 931695
Conc: 5.36 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



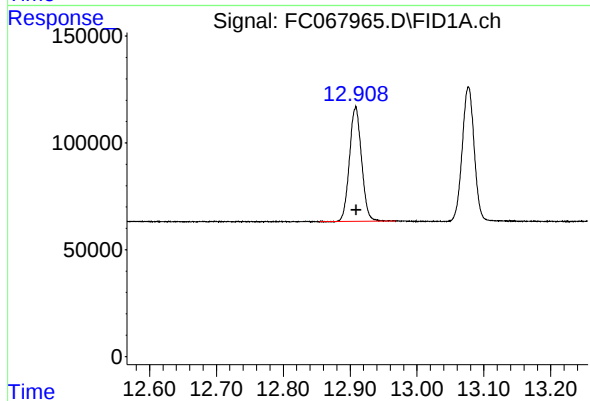
#10 n-Eicosane (C20)

R.T.: 12.466 min
Delta R.T.: -0.002 min
Response: 802158
Conc: 5.28 ug/ml



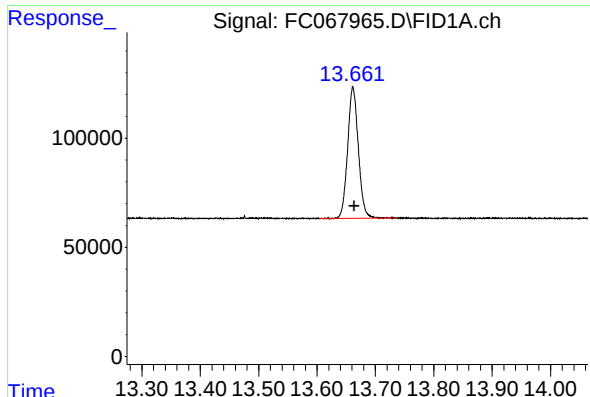
#11 n-Heneicosane (C21)

R.T.: 13.077 min
Delta R.T.: -0.002 min
Response: 781976
Conc: 5.30 ug/ml



#12 1-chlorooctadecane (SURR)

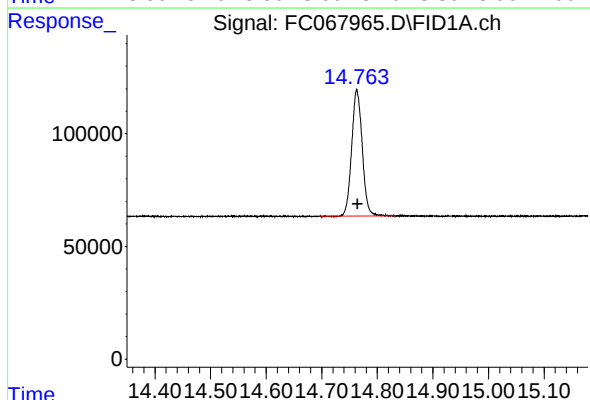
R.T.: 12.908 min
Delta R.T.: -0.001 min
Response: 673575
Conc: 5.23 ug/ml



#13 n-Docosane (C22)

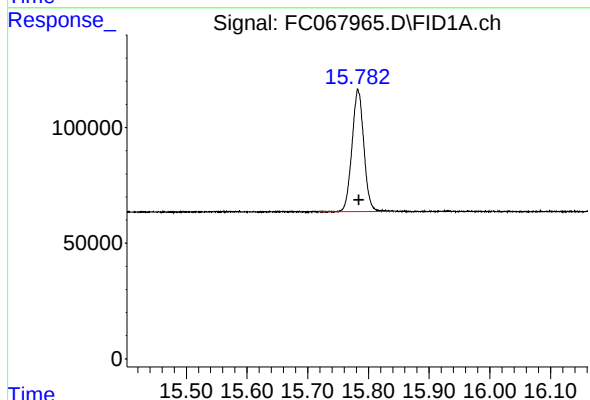
R.T.: 13.662 min
Delta R.T.: -0.002 min
Response: 767100
Conc: 5.32 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



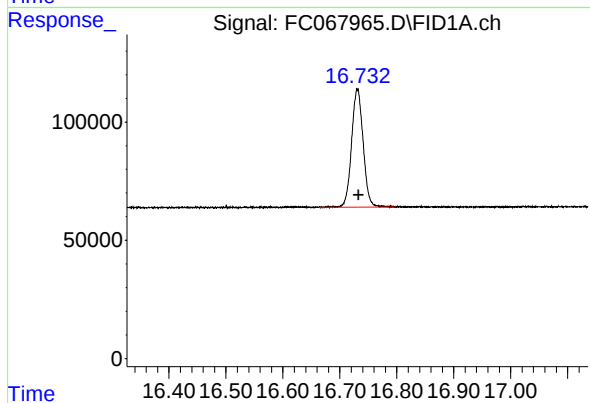
#14 n-Tetracosane (C24)

R.T.: 14.763 min
Delta R.T.: -0.001 min
Response: 744614
Conc: 5.33 ug/ml



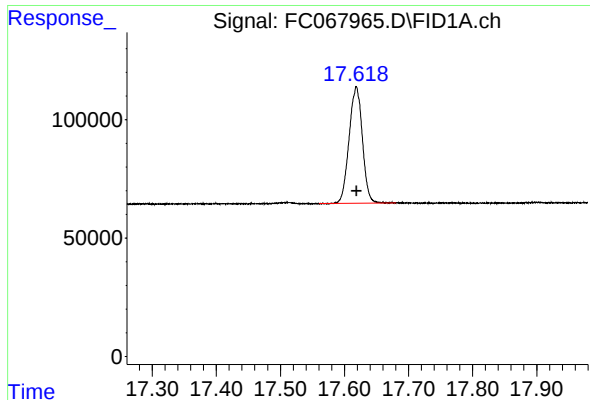
#15 n-Hexacosane (C26)

R.T.: 15.783 min
Delta R.T.: -0.002 min
Response: 715051
Conc: 5.33 ug/ml



#16 n-Octacosane (C28)

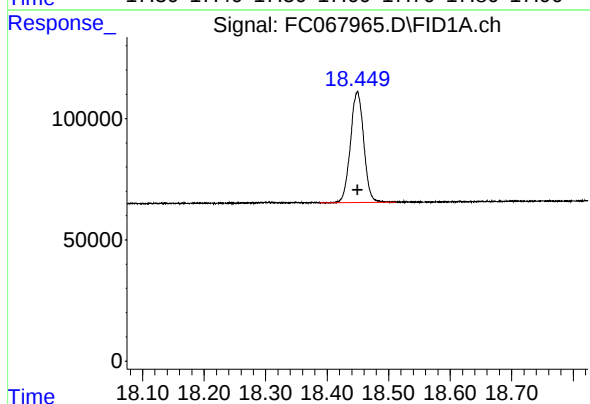
R.T.: 16.731 min
Delta R.T.: -0.002 min
Response: 704114
Conc: 5.45 ug/ml



#17 n-Tricontane (C30)

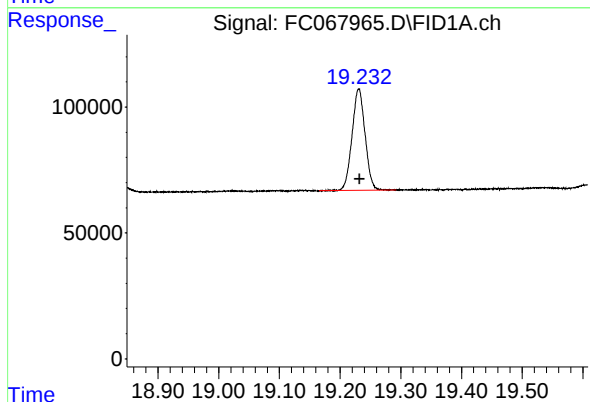
R.T.: 17.618 min
Delta R.T.: 0.000 min
Response: 709104
Conc: 5.51 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



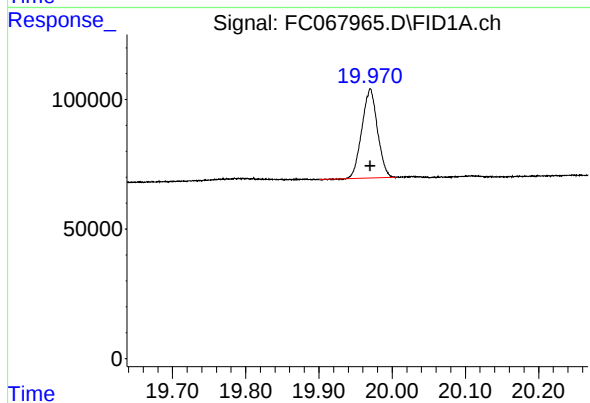
#18 n-Dotriacontane (C32)

R.T.: 18.449 min
Delta R.T.: 0.000 min
Response: 683639
Conc: 5.56 ug/ml



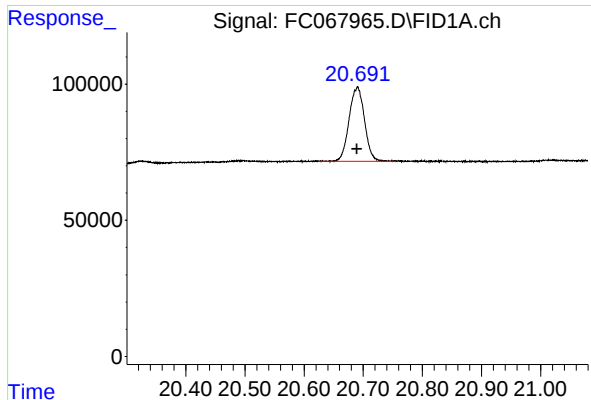
#19 n-Tetratriacontane (C34)

R.T.: 19.231 min
Delta R.T.: -0.002 min
Response: 601708
Conc: 5.56 ug/ml



#20 n-Hexatriacontane (C36)

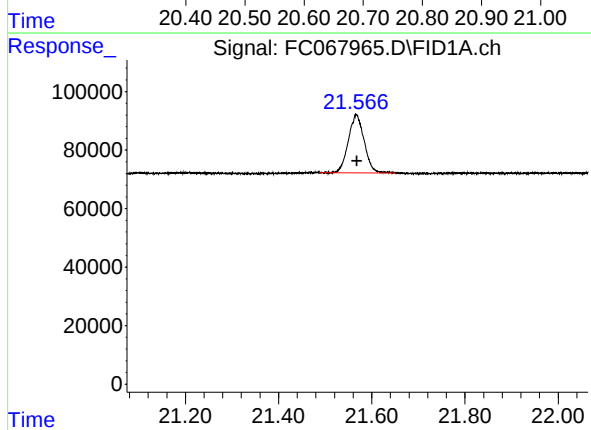
R.T.: 19.970 min
Delta R.T.: 0.000 min
Response: 508095
Conc: 5.38 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.690 min
Delta R.T.: 0.000 min
Response: 491184
Conc: 5.44 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



#22 n-Tetracontane (C40)

R.T.: 21.567 min
Delta R.T.: 0.000 min
Response: 470158
Conc: 5.35 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC121024AL\
Data File : FC067965.D
Signal(s) : FID1A.ch
Acq On : 10 Dec 2024 07:14
Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 30 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 121024.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	3.252	3.195	3.310	BB	98464	837588	89.90%	5.085%
2	4.314	4.265	4.369	BB	90579	849284	91.15%	5.156%
3	5.889	5.839	5.975	BB	94582	920617	98.81%	5.589%
4	6.328	6.272	6.379	BB	85381	856678	91.95%	5.201%
5	6.944	6.882	7.035	BB	78290	869061	93.28%	5.276%
6	8.120	8.067	8.187	BB	76887	844626	90.65%	5.127%
7	9.719	9.655	9.790	BB	71298	857364	92.02%	5.205%
8	11.159	11.102	11.225	BB	69339	853140	91.57%	5.179%
9	11.468	11.414	11.530	BB	84392	931695	100.00%	5.656%
10	12.466	12.412	12.520	BB	65591	802158	86.10%	4.870%
11	12.908	12.854	12.969	BB	53827	673575	72.30%	4.089%
12	13.077	13.010	13.135	BB	62999	781976	83.93%	4.747%
13	13.662	13.604	13.735	BB	60235	767100	82.33%	4.657%
14	14.763	14.695	14.834	BB	55934	744614	79.92%	4.520%
15	15.783	15.719	15.845	BB	52306	715051	76.75%	4.341%
16	16.731	16.664	16.799	BB	50095	704114	75.57%	4.274%
17	17.618	17.560	17.680	BB	49392	709104	76.11%	4.305%
18	18.449	18.387	18.512	BB	45576	683639	73.38%	4.150%
19	19.231	19.165	19.292	BB	40235	601708	64.58%	3.653%
20	19.970	19.900	20.005	BB	34623	508095	54.53%	3.084%
21	20.690	20.625	20.755	BB	27363	491184	52.72%	2.982%
22	21.567	21.487	21.652	BB	19977	470158	50.46%	2.854%
Sum of corrected areas:						16472529		

Aliphatic EPH 121024.M Tue Dec 10 08:35:44 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC121024AL\
 Data File : FC067966.D
 Signal(s) : FID1A.ch
 Acq On : 10 Dec 2024 07:51
 Operator : YP/AJ
 Sample : 20 PPM ALIPHATIC HC STD ICV
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 20 PPM ALIPHATIC HC STD ICV

Integration File: autoint1.e
 Quant Time: Dec 10 08:28:59 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 121024.M
 Quant Title : GC Extractables
 QLast Update : Tue Dec 10 07:59:10 2024
 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)	11.470	3272172	18.924 ug/ml
Spiked Amount 50.000		Recovery =	37.85%
12) S 1-chlorooctadecane (S...	12.910	2422368	18.985 ug/ml
Spiked Amount 50.000		Recovery =	37.97%
Target Compounds			
1) T n-Nonane (C9)	3.251	2939755	18.921 ug/ml
2) T n-Decane (C10)	4.314	3002452	18.940 ug/ml
3) T A~Naphthalene (C11.7)	5.889	3305883	18.936 ug/ml
4) T n-Dodecane (C12)	6.329	3047202	18.925 ug/ml
5) T A~2-methylnaphthalene...	6.944	3200059	19.099 ug/ml
6) T n-Tetradecane (C14)	8.121	3014050	18.957 ug/ml
7) T n-Hexadecane (C16)	9.720	3071861	19.015 ug/ml
8) T n-Octadecane (C18)	11.160	3056414	19.038 ug/ml
10) T n-Eicosane (C20)	12.467	2858175	19.000 ug/ml
11) T n-Heneicosane (C21)	13.078	2768356	18.946 ug/ml
13) T n-Docosane (C22)	13.664	2714314	18.962 ug/ml
14) T n-Tetracosane (C24)	14.765	2625090	18.893 ug/ml
15) T n-Hexacosane (C26)	15.784	2526631	18.893 ug/ml
16) T n-Octacosane (C28)	16.732	2447157	18.866 ug/ml
17) T n-Tricontane (C30)	17.619	2446667	18.887 ug/ml
18) T n-Dotriacontane (C32)	18.449	2342650	18.910 ug/ml
19) T n-Tetratriacontane (C34)	19.231	2066031	18.929 ug/ml
20) T n-Hexatriacontane (C36)	19.971	1796559	18.989 ug/ml
21) T n-Octatriacontane (C38)	20.690	1708885	18.891 ug/ml
22) T n-Tetracontane (C40)	21.567	1658551	18.817 ug/ml

(f)=RT Delta > 1/2 Window

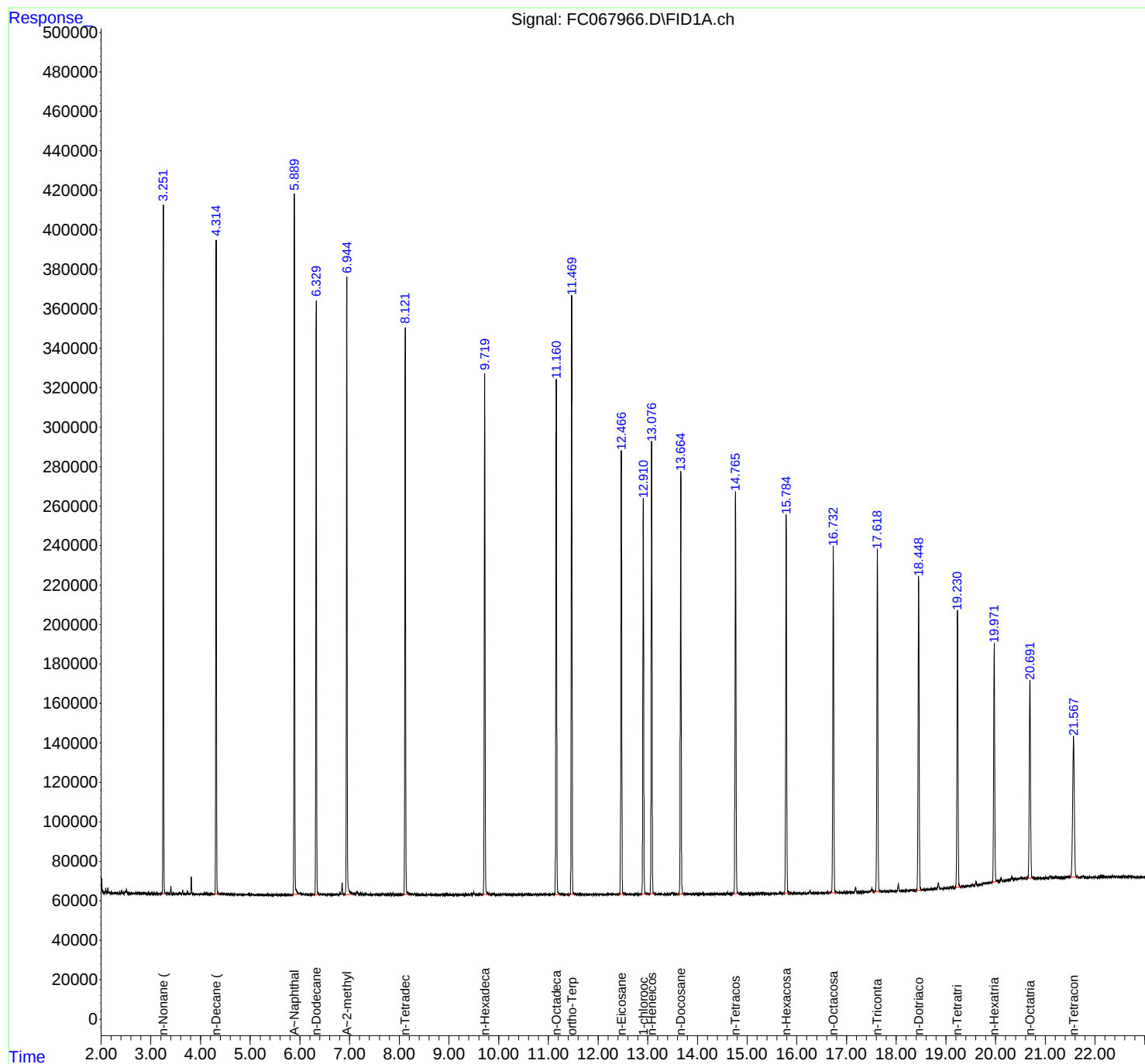
(m)=manual int.

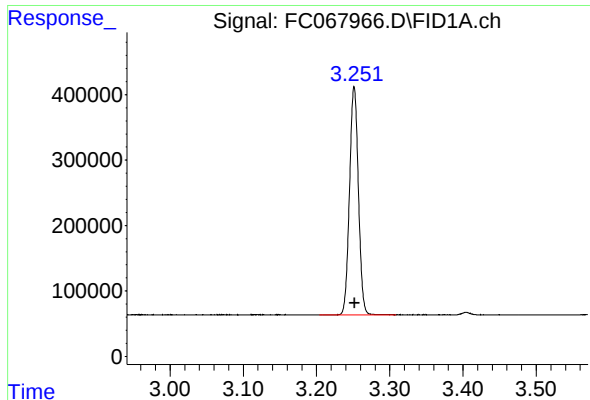
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC121024AL\
Data File : FC067966.D
Signal(s) : FID1A.ch
Acq On : 10 Dec 2024 07:51
Operator : YP/AJ
Sample : 20 PPM ALIPHATIC HC STD ICV
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV

Integration File: autoint1.e
Quant Time: Dec 10 08:28:59 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 121024.M
Quant Title : GC Extractables
QLast Update : Tue Dec 10 07:59:10 2024
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)

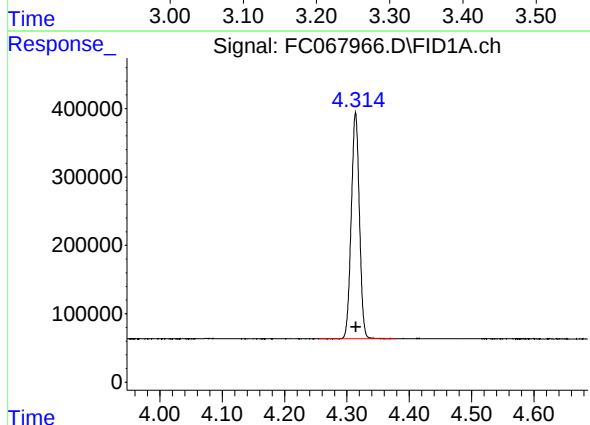
R.T.: 3.251 min
Delta R.T.: 0.000 min
Response: 2939755
Conc: 18.92 ug/ml

Instrument :

FID_C

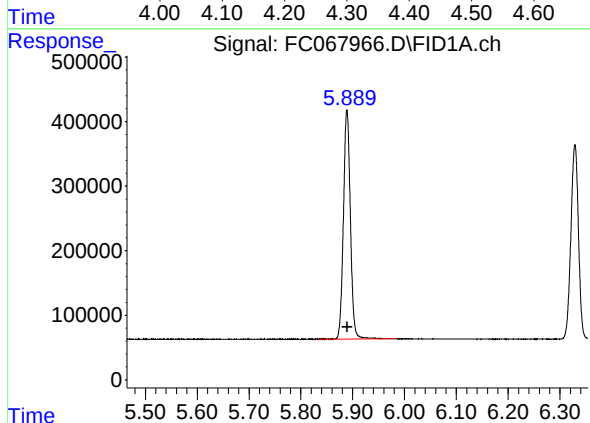
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



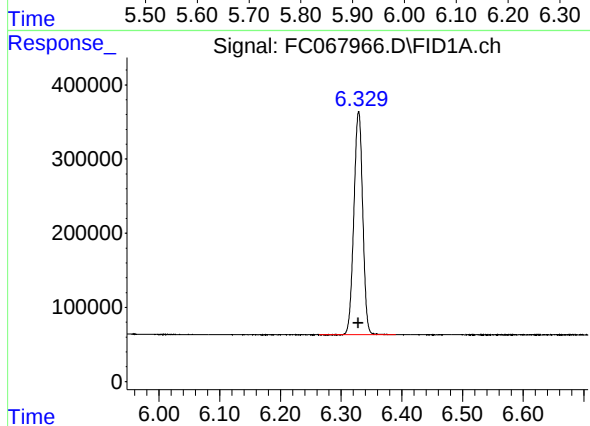
#2 n-Decane (C10)

R.T.: 4.314 min
Delta R.T.: 0.000 min
Response: 3002452
Conc: 18.94 ug/ml



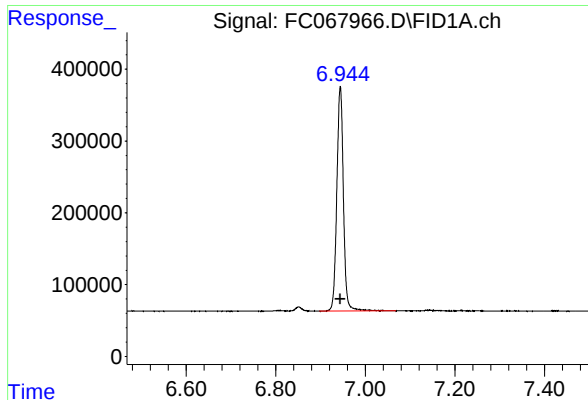
#3 A~Naphthalene (C11.7)

R.T.: 5.889 min
Delta R.T.: 0.000 min
Response: 3305883
Conc: 18.94 ug/ml



#4 n-Dodecane (C12)

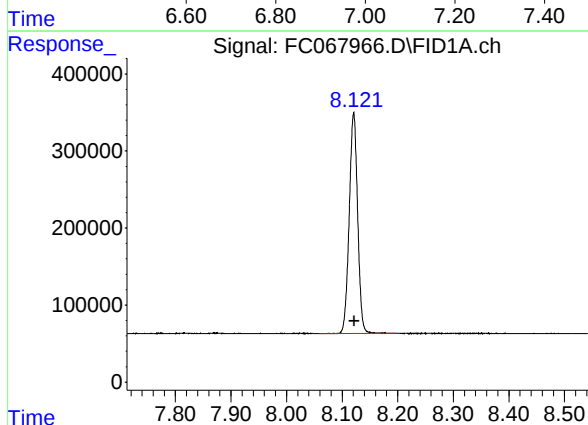
R.T.: 6.329 min
Delta R.T.: 0.000 min
Response: 3047202
Conc: 18.93 ug/ml



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

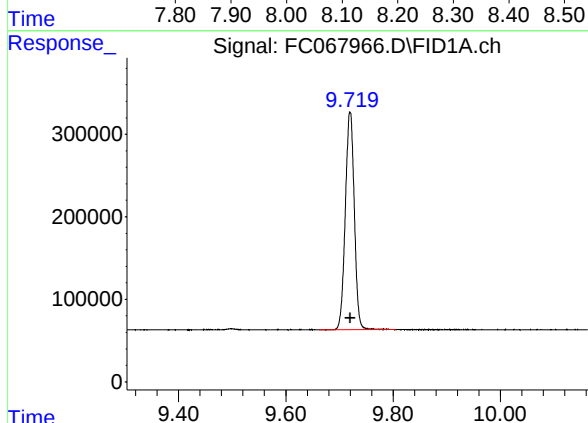
R.T.: 6.944 min
Delta R.T.: 0.000 min
Response: 3200059
Conc: 19.10 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



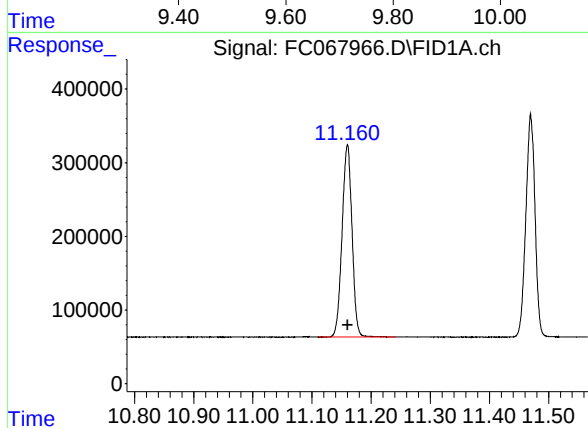
#6 n-Tetradecane (C14)

R.T.: 8.121 min
Delta R.T.: 0.000 min
Response: 3014050
Conc: 18.96 ug/ml



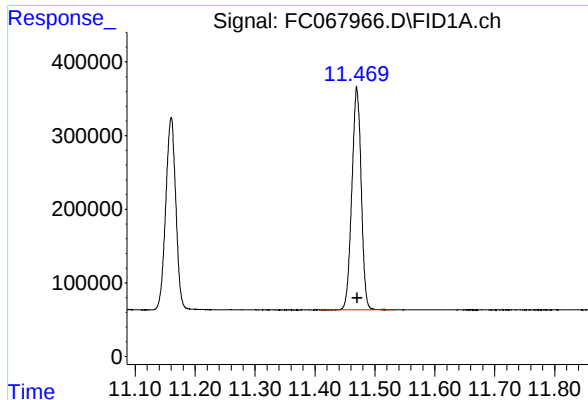
#7 n-Hexadecane (C16)

R.T.: 9.720 min
Delta R.T.: 0.000 min
Response: 3071861
Conc: 19.01 ug/ml



#8 n-Octadecane (C18)

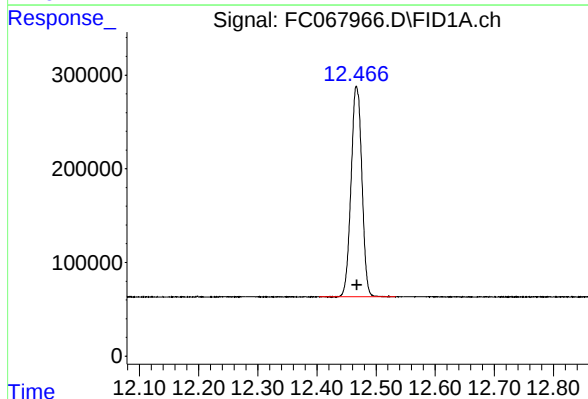
R.T.: 11.160 min
Delta R.T.: 0.000 min
Response: 3056414
Conc: 19.04 ug/ml



#9 ortho-Terphenyl (SURR)

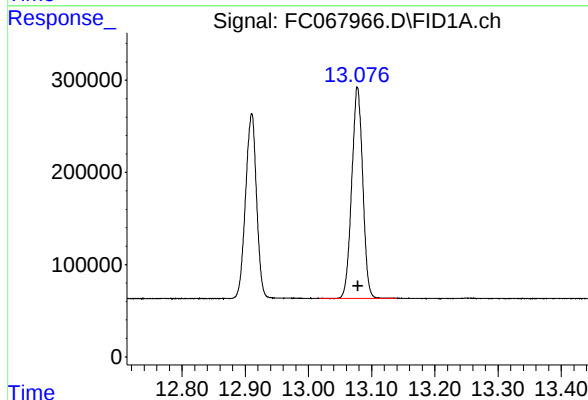
R.T.: 11.470 min
Delta R.T.: 0.000 min
Response: 3272172
Conc: 18.92 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



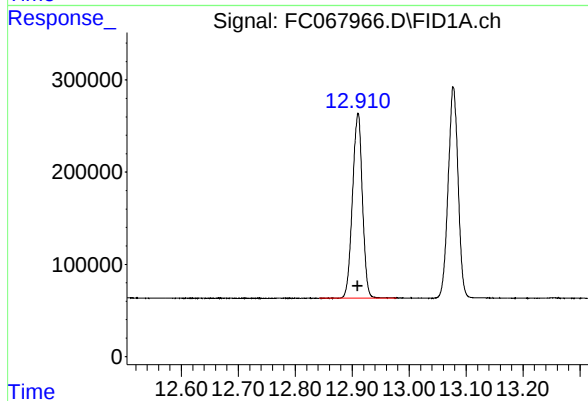
#10 n-Eicosane (C20)

R.T.: 12.467 min
Delta R.T.: 0.000 min
Response: 2858175
Conc: 19.00 ug/ml



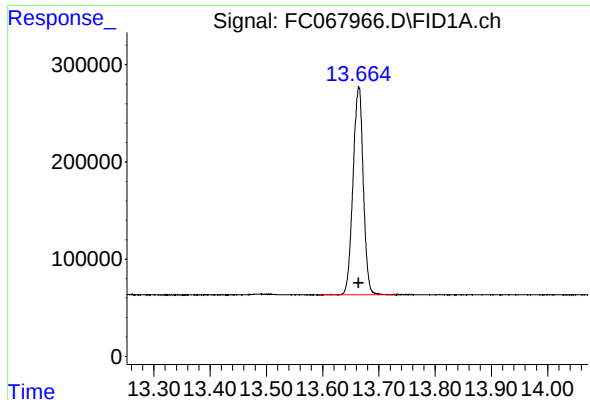
#11 n-Heneicosane (C21)

R.T.: 13.078 min
Delta R.T.: 0.000 min
Response: 2768356
Conc: 18.95 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.910 min
Delta R.T.: 0.000 min
Response: 2422368
Conc: 18.98 ug/ml



#13 n-Docosane (C22)

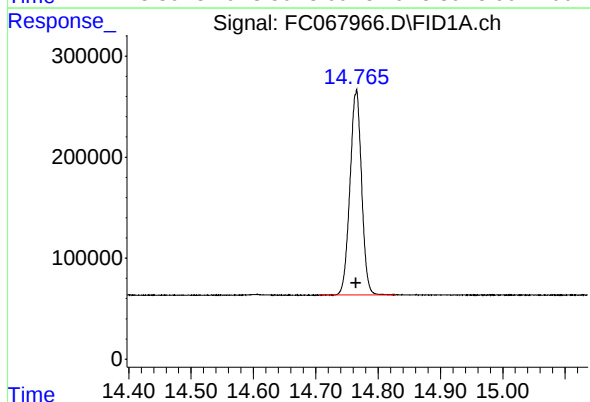
R.T.: 13.664 min
Delta R.T.: 0.000 min
Response: 2714314
Conc: 18.96 ug/ml

Instrument :

FID_C

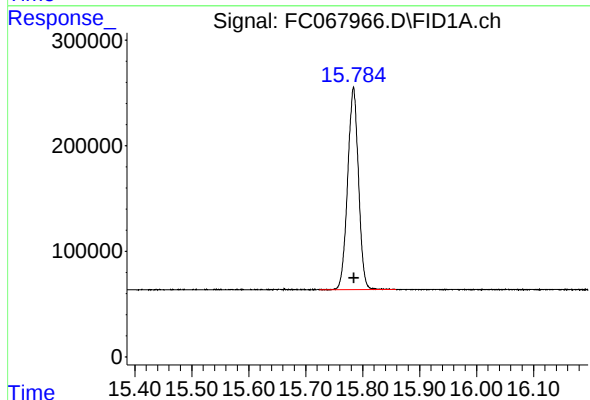
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



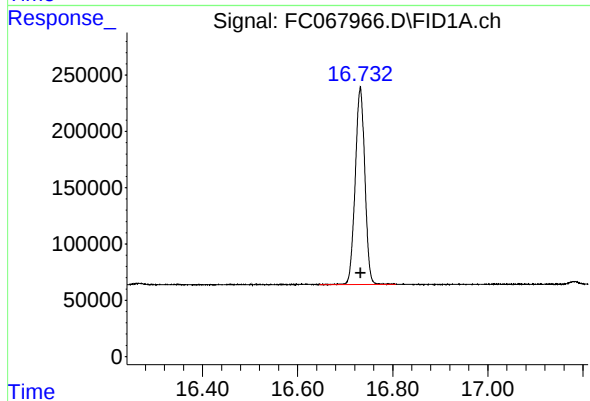
#14 n-Tetracosane (C24)

R.T.: 14.765 min
Delta R.T.: 0.000 min
Response: 2625090
Conc: 18.89 ug/ml



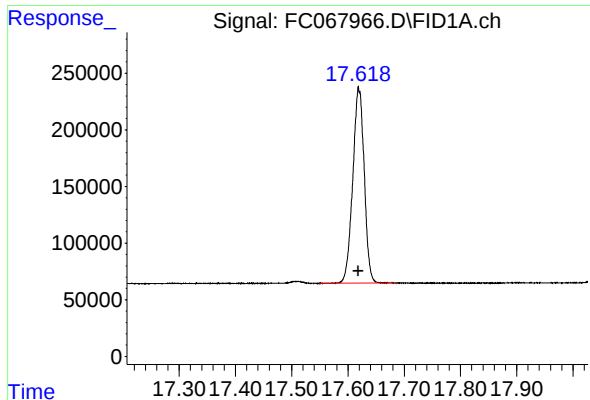
#15 n-Hexacosane (C26)

R.T.: 15.784 min
Delta R.T.: -0.001 min
Response: 2526631
Conc: 18.89 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.732 min
Delta R.T.: -0.001 min
Response: 2447157
Conc: 18.87 ug/ml



#17 n-Tricontane (C30)

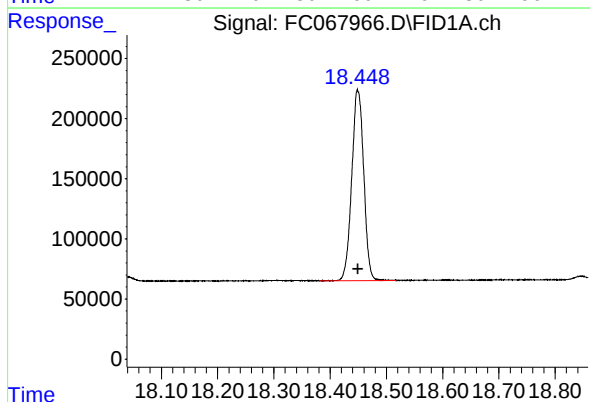
R.T.: 17.619 min
Delta R.T.: 0.000 min
Response: 2446667
Conc: 18.89 ug/ml

Instrument :

FID_C

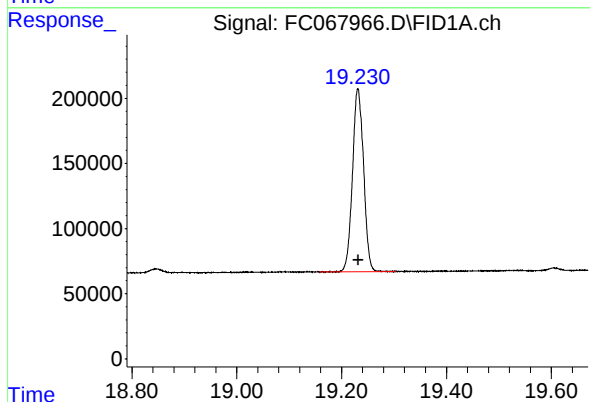
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



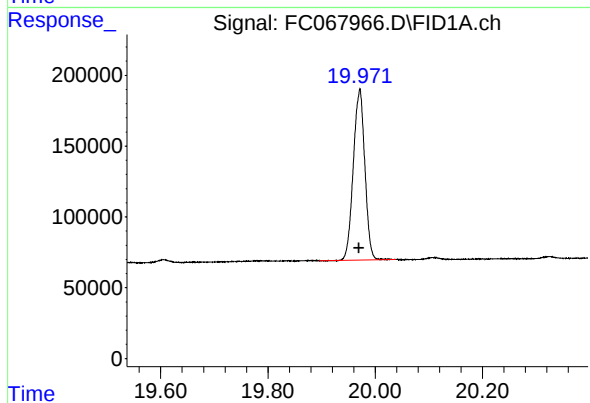
#18 n-Dotriacontane (C32)

R.T.: 18.449 min
Delta R.T.: 0.000 min
Response: 2342650
Conc: 18.91 ug/ml



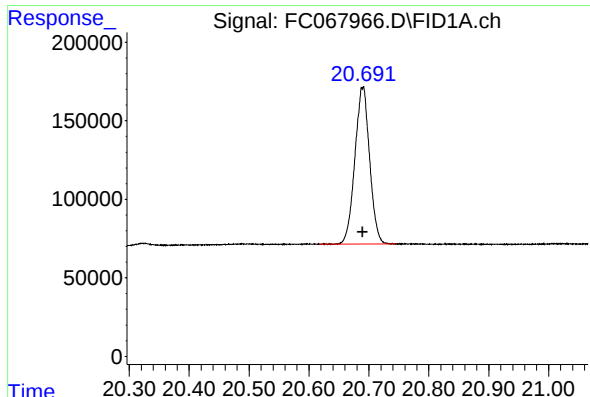
#19 n-Tetatriacontane (C34)

R.T.: 19.231 min
Delta R.T.: -0.001 min
Response: 2066031
Conc: 18.93 ug/ml



#20 n-Hexatriacontane (C36)

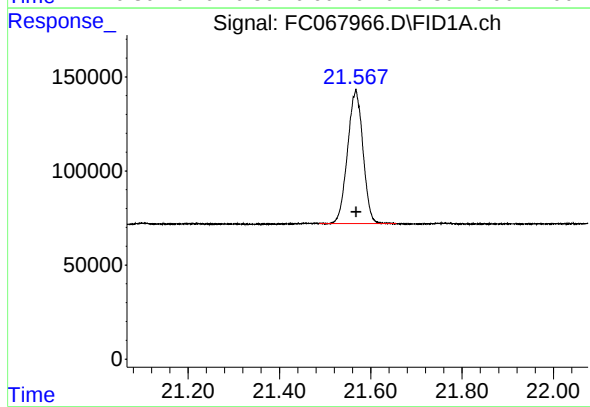
R.T.: 19.971 min
Delta R.T.: 0.000 min
Response: 1796559
Conc: 18.99 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.690 min
Delta R.T.: 0.000 min
Response: 1708885
Conc: 18.89 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



#22 n-Tetracontane (C40)

R.T.: 21.567 min
Delta R.T.: 0.000 min
Response: 1658551
Conc: 18.82 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC121024AL\
Data File : FC067966.D
Signal(s) : FID1A.ch
Acq On : 10 Dec 2024 07:51
Sample : 20 PPM ALIPHATIC HC STD ICV
Misc :
ALS Vial : 31 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 121024.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	3.251	3.204	3.309	BB	348769	2939755	88.92%	5.043%
2	4.314	4.255	4.379	BB	329929	3002452	90.82%	5.151%
3	5.889	5.835	5.984	BB	355252	3305883	100.00%	5.671%
4	6.329	6.264	6.390	BB	300692	3047202	92.18%	5.228%
5	6.944	6.897	7.069	BB	311983	3200059	96.80%	5.490%
6	8.121	8.059	8.197	BB	286088	3014050	91.17%	5.171%
7	9.720	9.662	9.805	BB	263353	3071861	92.92%	5.270%
8	11.160	11.112	11.242	BB	261870	3056414	92.45%	5.243%
9	11.470	11.407	11.535	BB	300728	3272172	98.98%	5.613%
10	12.467	12.404	12.534	BB	224337	2858175	86.46%	4.903%
11	12.910	12.842	12.977	BB	201160	2422368	73.27%	4.156%
12	13.078	13.017	13.139	BB	228570	2768356	83.74%	4.749%
13	13.664	13.594	13.730	BB	213690	2714314	82.11%	4.656%
14	14.765	14.705	14.829	BB	202143	2625090	79.41%	4.503%
15	15.784	15.724	15.859	BB	191355	2526631	76.43%	4.334%
16	16.732	16.645	16.807	BB	175283	2447157	74.02%	4.198%
17	17.619	17.549	17.685	BB	168643	2446667	74.01%	4.197%
18	18.449	18.380	18.517	BB	157186	2342650	70.86%	4.019%
19	19.231	19.157	19.304	BB	140632	2066031	62.50%	3.544%
20	19.971	19.895	20.039	BB	119656	1796559	54.34%	3.082%
21	20.690	20.617	20.745	BB	99450	1708885	51.69%	2.932%
22	21.567	21.487	21.655	BB	71034	1658551	50.17%	2.845%
Sum of corrected areas:							58291281	

Aliphatic EPH 121024.M Tue Dec 10 08:40:04 2024