

Initial Calibration Report for SequenceID : FC050124AL

AreaCount

Parameter Range	FC066276.D	FC066277.D	FC066278.D	FC066279.D	FC066280.D	
Aliphatic C9-C12	46214596.000	22826931.000	10204259.000	4246522.000	2194667.000	
Aliphatic C12-C16	30099788.000	14990022.000	6747742.000	2837817.000	1496308.000	
Aliphatic C16-C21	42199451.000	21270971.000	9645590.000	4244923.000	2134358.000	
Aliphatic C21-C28	51023715.000	25937500.000	11742097.000	6086605.000	2663504.000	
Aliphatic C28-C40	66185649.000	33709340.000	15417951.000	7708993.000	3401972.000	
Aliphatic EPH	235723199.000	118734764.000	53757639.000	25124860.000	11890809.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aliphatic C9-C12	152832.2086664	7.084				
Aliphatic C12-C16	152122.872	6.516				
Aliphatic C16-C21	145403.8219996	5.918				
Aliphatic C21-C28	137872.665	7.937				
Aliphatic C28-C40	118607.8179996	7.658				
Aliphatic EPH	136782.8557774	5.715				

Concentration

Parameter Range	FC066276.D	FC066277.D	FC066278.D	FC066279.D	FC066280.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	FC066276.D	FC066277.D	FC066278.D	FC066279.D	FC066280.D	
Aliphatic C9-C12	154048.653333	152179.540000	170070.983333	141550.733333	146311.133333	
Aliphatic C12-C16	150498.940000	149900.220000	168693.550000	141890.850000	149630.800000	
Aliphatic C16-C21	140664.836666	141806.473333	160759.833333	141497.433333	142290.533333	

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Aliphatic C21-C28	127559.287500	129687.500000	146776.212500	152165.125000	133175.200000	
Aliphatic C28-C40	110309.415000	112364.466666	128482.925000	128483.216666	113399.066666	
Aliphatic EPH	130957.332777	131927.515555	149326.775000	139582.555555	132120.100000	

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC050124AL\
 Data File : FC066276.D
 Signal(s) : FID1A.ch
 Acq On : 01 May 2024 13:02
 Operator : YP/AJ
 Sample : 100 PPM ALIPHATIC HC STD1
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 100 PPM ALIPHATIC HC STD1

Integration File: autoint1.e
 Quant Time: May 02 08:54:51 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 050124.M
 Quant Title : GC Extractables
 QLast Update : Thu May 02 08:48:13 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)	11.575	16255985	72.546 ug/ml
Spiked Amount 50.000		Recovery =	145.09%
12) S 1-chlorooctadecane (S...	13.011	11817914	72.331 ug/ml
Spiked Amount 50.000		Recovery =	144.66%
Target Compounds			
1) T n-Nonane (C9)	3.327	15298176	73.288 ug/ml
2) T n-Decane (C10)	4.394	15523651	73.089 ug/ml
3) T A~Naphthalene (C11.7)	5.977	17163741	73.098 ug/ml
4) T n-Dodecane (C12)	6.413	15392769	72.923 ug/ml
5) T A~2-methylnaphthalene...	7.035	16584753	72.997 ug/ml
6) T n-Tetradecane (C14)	8.210	15009520	72.971 ug/ml
7) T n-Hexadecane (C16)	9.813	15090268	72.630 ug/ml
8) T n-Octadecane (C18)	11.259	14819738	72.501 ug/ml
10) T n-Eicosane (C20)	12.567	13869485	72.379 ug/ml
11) T n-Heneicosane (C21)	13.180	13510228	72.355 ug/ml
13) T n-Docosane (C22)	13.766	13298574	72.312 ug/ml
14) T n-Tetracosane (C24)	14.869	13011606	72.270 ug/ml
15) T n-Hexacosane (C26)	15.891	12585582	72.347 ug/ml
16) T n-Octacosane (C28)	16.841	12127953	72.177 ug/ml
17) T n-Tricontane (C30)	17.729	12031489	71.962 ug/ml
18) T n-Dotriacontane (C32)	18.562	11538804	71.999 ug/ml
19) T n-Tetratriacontane (C34)	19.346	11051943	72.181 ug/ml
20) T n-Hexatriacontane (C36)	20.086	10589872	70.285 ug/ml
21) T n-Octatriacontane (C38)	20.823	10544091	72.959 ug/ml
22) T n-Tetracontane (C40)	21.738	10429450	72.902 ug/ml

(f)=RT Delta > 1/2 Window

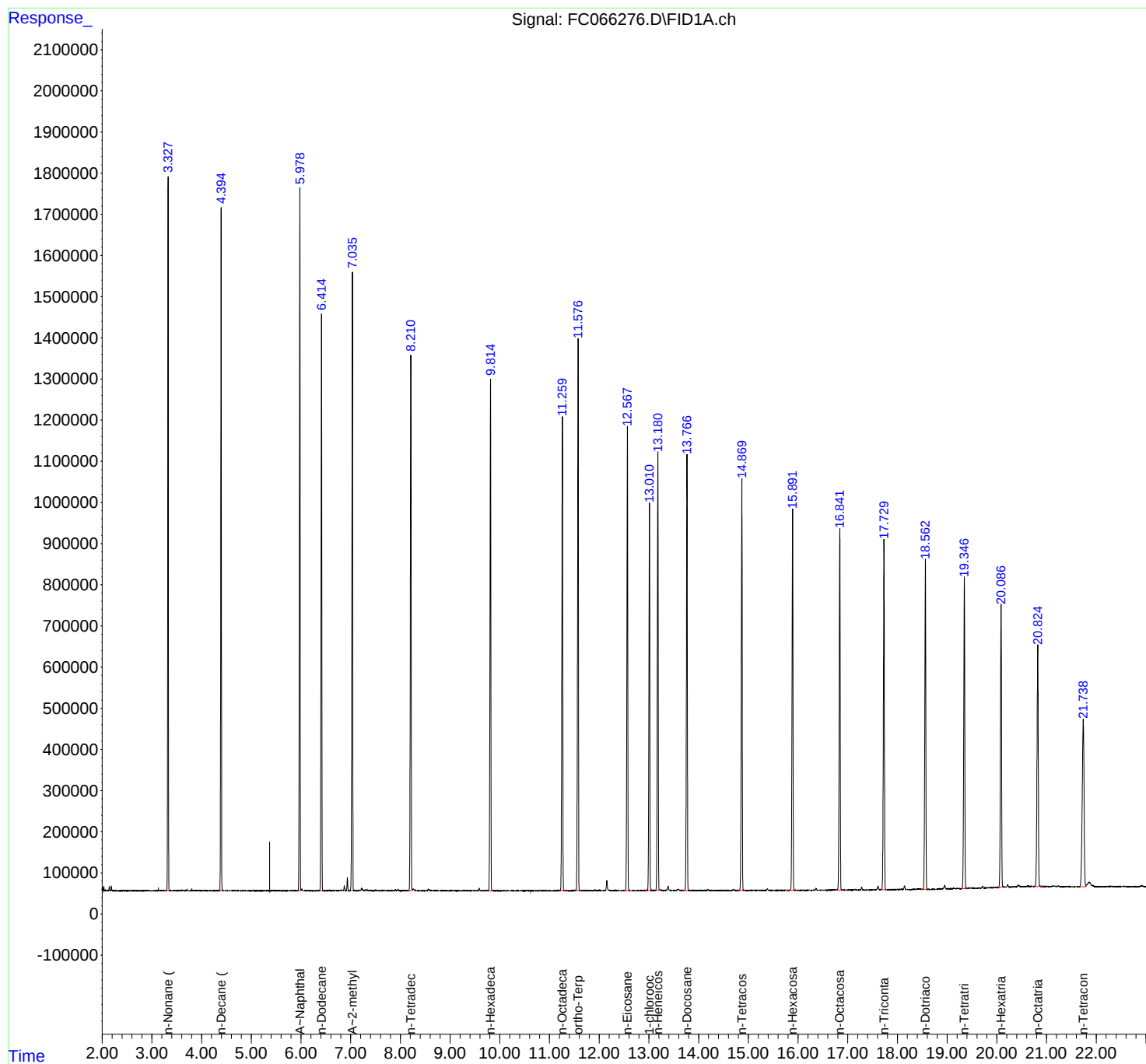
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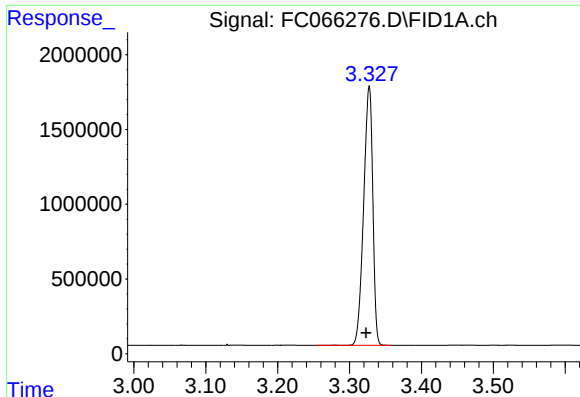
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC050124AL\
Data File : FC066276.D
Signal(s) : FID1A.ch
Acq On : 01 May 2024 13:02
Operator : YP/AJ
Sample : 100 PPM ALIPHATIC HC STD1
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1

Integration File: autoint1.e
Quant Time: May 02 08:54:51 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 050124.M
Quant Title : GC Extractables
QLast Update : Thu May 02 08:48:13 2024
Response via : Initial Calibration
Integrator: ChemStation

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

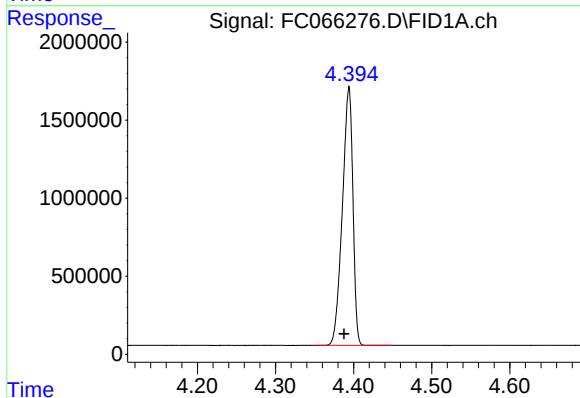




#1 n-Nonane (C9)

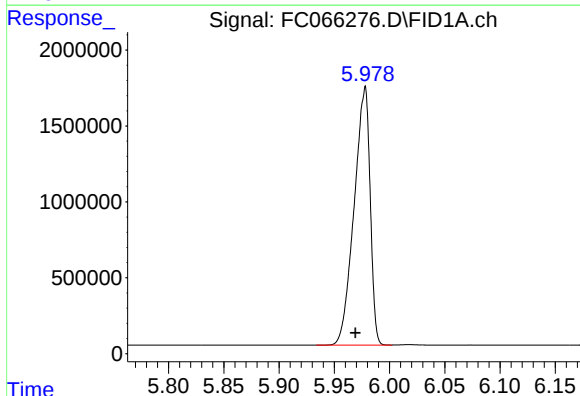
R.T.: 3.327 min
Delta R.T.: 0.004 min
Response: 15298176
Conc: 73.29 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



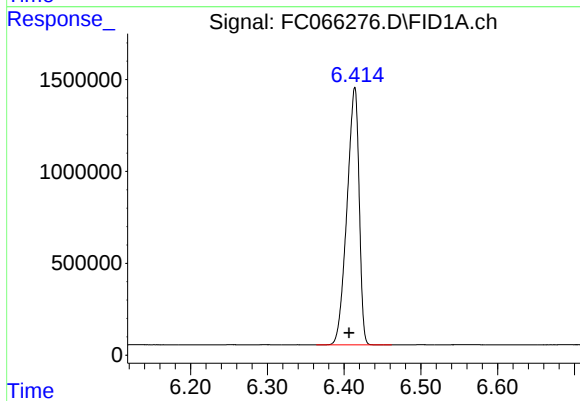
#2 n-Decane (C10)

R.T.: 4.394 min
Delta R.T.: 0.006 min
Response: 15523651
Conc: 73.09 ug/ml



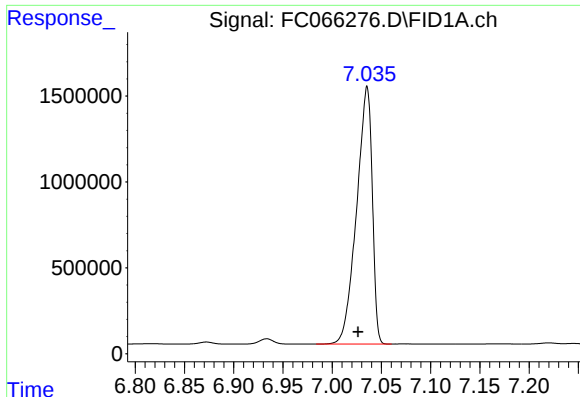
#3 A~Naphthalene (C11.7)

R.T.: 5.977 min
Delta R.T.: 0.008 min
Response: 17163741
Conc: 73.10 ug/ml



#4 n-Dodecane (C12)

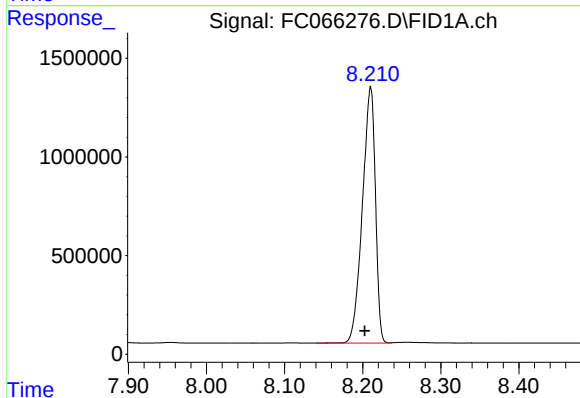
R.T.: 6.413 min
Delta R.T.: 0.007 min
Response: 15392769
Conc: 72.92 ug/ml



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

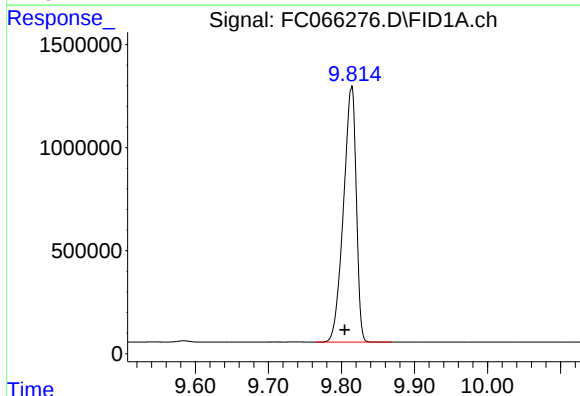
R.T.: 7.035 min
Delta R.T.: 0.009 min
Response: 16584753
Conc: 73.00 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



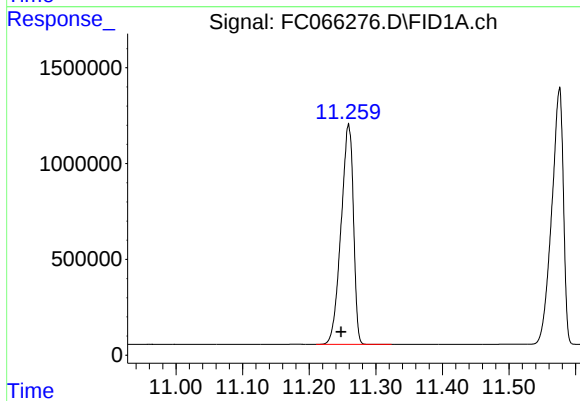
#6 n-Tetradecane (C14)

R.T.: 8.210 min
Delta R.T.: 0.007 min
Response: 15009520
Conc: 72.97 ug/ml



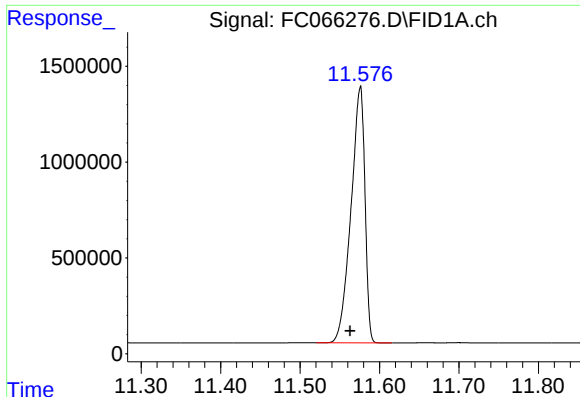
#7 n-Hexadecane (C16)

R.T.: 9.813 min
Delta R.T.: 0.009 min
Response: 15090268
Conc: 72.63 ug/ml



#8 n-Octadecane (C18)

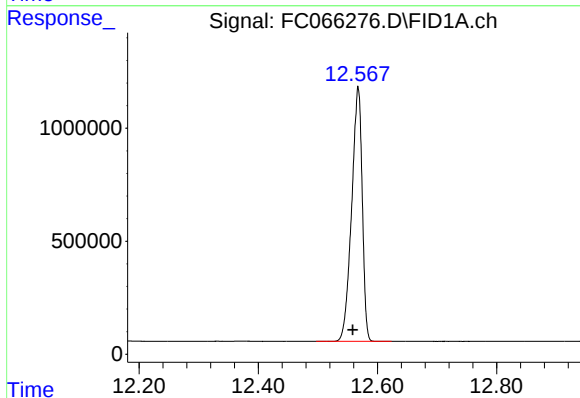
R.T.: 11.259 min
Delta R.T.: 0.011 min
Response: 14819738
Conc: 72.50 ug/ml



#9 ortho-Terphenyl (SURR)

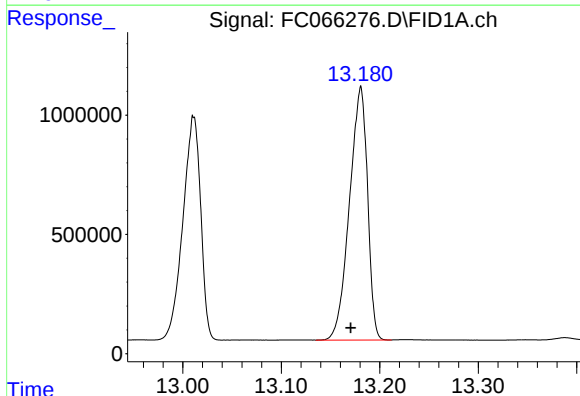
R.T.: 11.575 min
Delta R.T.: 0.012 min
Response: 16255985
Conc: 72.55 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



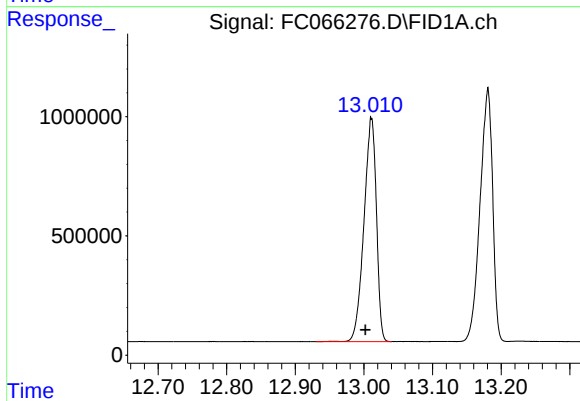
#10 n-Eicosane (C20)

R.T.: 12.567 min
Delta R.T.: 0.009 min
Response: 13869485
Conc: 72.38 ug/ml



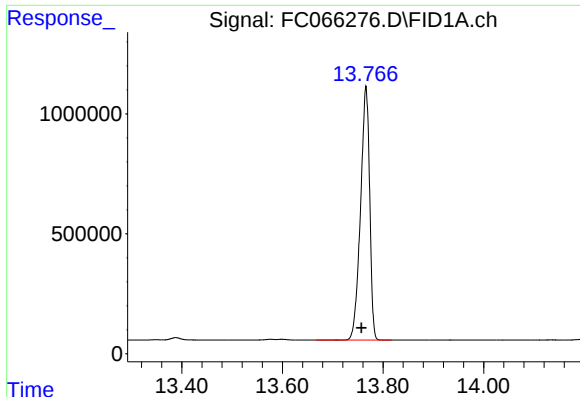
#11 n-Heneicosane (C21)

R.T.: 13.180 min
Delta R.T.: 0.010 min
Response: 13510228
Conc: 72.35 ug/ml



#12 1-chlorooctadecane (SURR)

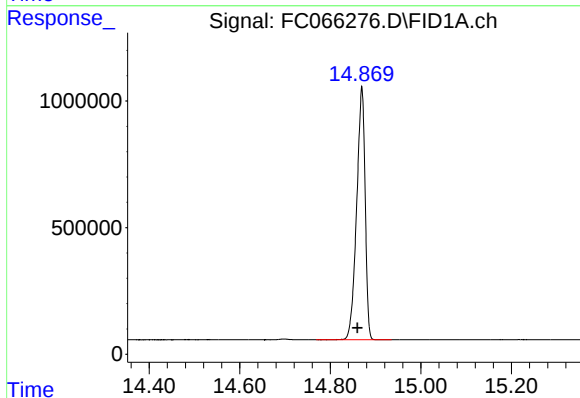
R.T.: 13.011 min
Delta R.T.: 0.009 min
Response: 11817914
Conc: 72.33 ug/ml



#13 n-Docosane (C22)

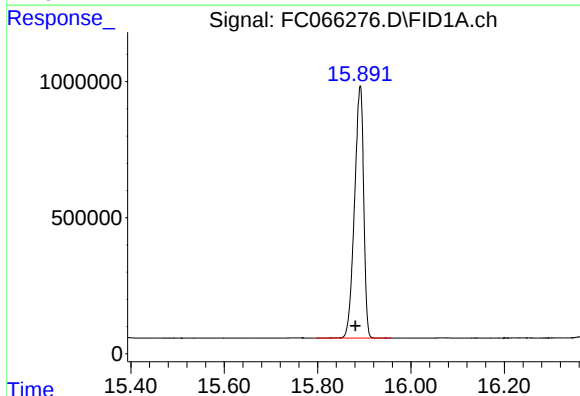
R.T.: 13.766 min
Delta R.T.: 0.009 min
Response: 13298574
Conc: 72.31 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



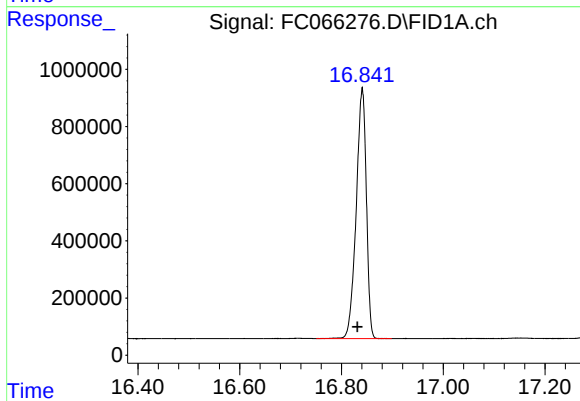
#14 n-Tetracosane (C24)

R.T.: 14.869 min
Delta R.T.: 0.009 min
Response: 13011606
Conc: 72.27 ug/ml



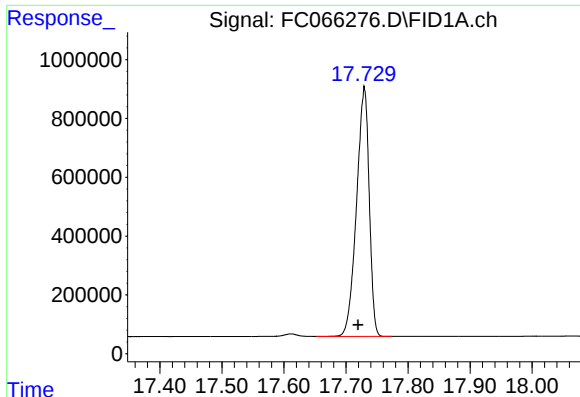
#15 n-Hexacosane (C26)

R.T.: 15.891 min
Delta R.T.: 0.010 min
Response: 12585582
Conc: 72.35 ug/ml



#16 n-Octacosane (C28)

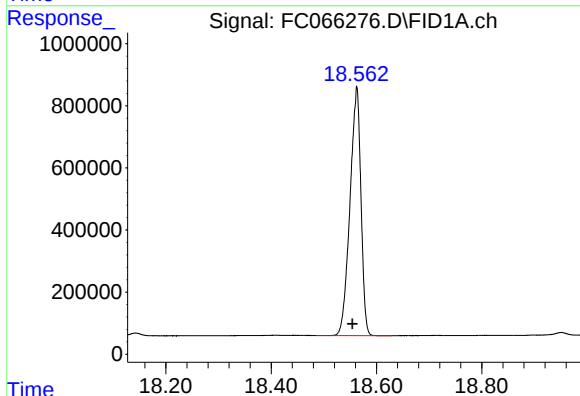
R.T.: 16.841 min
Delta R.T.: 0.009 min
Response: 12127953
Conc: 72.18 ug/ml



#17 n-Tricontane (C30)

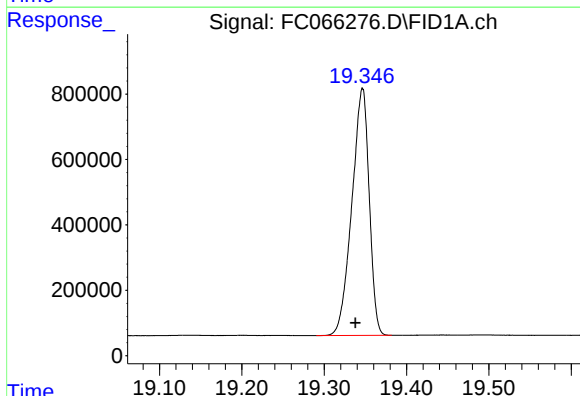
R.T.: 17.729 min
Delta R.T.: 0.010 min
Response: 12031489
Conc: 71.96 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



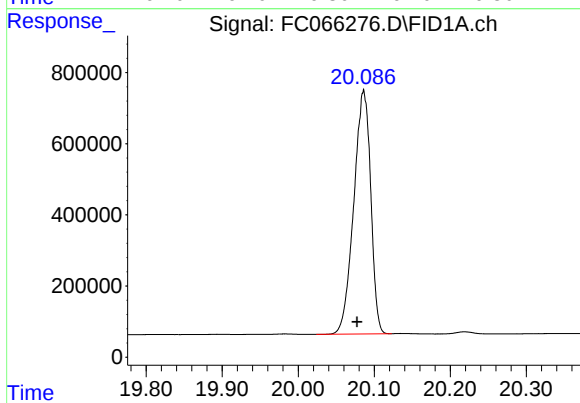
#18 n-Dotriacontane (C32)

R.T.: 18.562 min
Delta R.T.: 0.008 min
Response: 11538804
Conc: 72.00 ug/ml



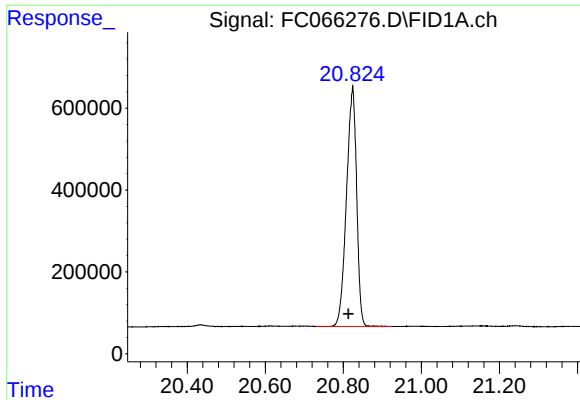
#19 n-Tetratriacontane (C34)

R.T.: 19.346 min
Delta R.T.: 0.008 min
Response: 11051943
Conc: 72.18 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.086 min
Delta R.T.: 0.008 min
Response: 10589872
Conc: 70.28 ug/ml



#21 n-Octatriacontane (C38)

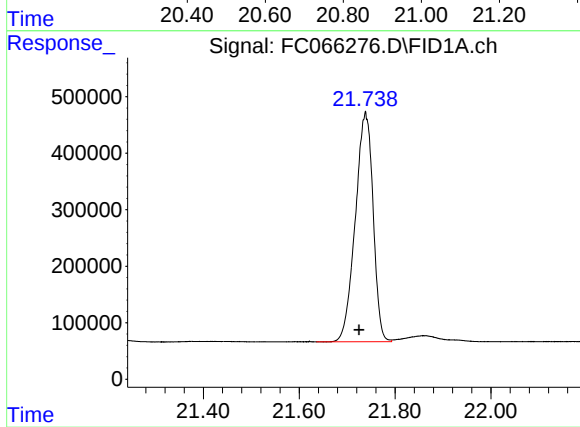
R.T.: 20.823 min
Delta R.T.: 0.011 min
Response: 10544091
Conc: 72.96 ug/ml

Instrument :

FID_C

ClientSampleId :

100 PPM ALIPHATIC HC STD1



#22 n-Tetracontane (C40)

R.T.: 21.738 min
Delta R.T.: 0.013 min
Response: 10429450
Conc: 72.90 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC050124AL\
Data File : FC066276.D
Signal(s) : FID1A.ch
Acq On : 01 May 2024 13:02
Sample : 100 PPM ALIPHATIC HC STD1
Misc :
ALS Vial : 6 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 050124.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	3.327	3.254	3.359	BB	1735687	15298176	89.13%	5.141%
2	4.394	4.352	4.449	BB	1649987	15523651	90.44%	5.217%
3	5.977	5.934	6.002	BV	1666607	17163741	100.00%	5.768%
4	6.413	6.364	6.462	BB	1405678	15392769	89.68%	5.173%
5	7.035	6.984	7.060	BV	1506358	16584753	96.63%	5.574%
6	8.210	8.140	8.237	BV	1304512	15009520	87.45%	5.044%
7	9.813	9.765	9.869	BB	1235206	15090268	87.92%	5.072%
8	11.259	11.210	11.324	BB	1144934	14819738	86.34%	4.981%
9	11.575	11.520	11.615	BB	1331179	16255985	94.71%	5.463%
10	12.567	12.497	12.624	BB	1128284	13869485	80.81%	4.661%
11	13.011	12.930	13.040	BB	943105	11817914	68.85%	3.972%
12	13.180	13.135	13.212	PV	1059240	13510228	78.71%	4.541%
13	13.766	13.667	13.817	BB	1053081	13298574	77.48%	4.469%
14	14.869	14.769	14.935	BB	995851	13011606	75.81%	4.373%
15	15.891	15.797	15.959	BB	926852	12585582	73.33%	4.230%
16	16.841	16.750	16.899	BB	875462	12127953	70.66%	4.076%
17	17.729	17.652	17.774	VB	843088	12031489	70.10%	4.044%
18	18.562	18.485	18.629	BB	801023	11538804	67.23%	3.878%
19	19.346	19.290	19.382	BB	758051	11051943	64.39%	3.714%
20	20.086	20.024	20.123	BV	682161	10589872	61.70%	3.559%
21	20.823	20.730	20.924	BB	583328	10544091	61.43%	3.544%
22	21.738	21.635	21.793	BV	408180	10429450	60.76%	3.505%
Sum of corrected areas:						297545591		

Aliphatic EPH 050124.M Thu May 02 09:08:36 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC050124AL\
 Data File : FC066277.D
 Signal(s) : FID1A.ch
 Acq On : 01 May 2024 13:42
 Operator : YP/AJ
 Sample : 50 PPM ALIPHATIC HC STD2
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 50 PPM ALIPHATIC HC STD2

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 05/02/2024
 Supervised By :mohammad ahmed 05/02/2024

Integration File: autoint1.e
 Quant Time: May 02 08:56:36 2024
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Spiked Amount 50.000		Recovery =	95.96%
Target Compounds			
1) T n-Nonane (C9)	3.325	7512037	47.898 ug/ml
2) T n-Decane (C10)	4.390	7660331	47.886 ug/ml
3) T A~Naphthalene (C11.7)	5.972	8446566	47.804 ug/ml
4) T n-Dodecane (C12)	6.409	7654563	47.992 ug/ml
5) T A~2-methylnaphthalene...	7.029	8206923	47.897 ug/ml
6) T n-Tetradecane (C14)	8.206	7450893	47.978 ug/mlm
7) T n-Hexadecane (C16)	9.808	7539129	47.889 ug/ml
8) T n-Octadecane (C18)	11.253	7434526	47.911 ug/ml
10) T n-Eicosane (C20)	12.561	7002346	48.013 ug/ml
11) T n-Heneicosane (C21)	13.174	6834099	48.055 ug/ml
13) T n-Docosane (C22)	13.760	6746177	48.110 ug/ml
14) T n-Tetracosane (C24)	14.863	6617413	48.157 ug/ml
15) T n-Hexacosane (C26)	15.885	6394617	48.193 ug/ml
16) T n-Octacosane (C28)	16.835	6179293	48.136 ug/ml
17) T n-Tricontane (C30)	17.723	6123095	47.910 ug/ml
18) T n-Dotriacontane (C32)	18.558	5850107	47.798 ug/mlm
19) T n-Tetratriacontane (C34)	19.342	5567978	47.772 ug/ml
20) T n-Hexatriacontane (C36)	20.081	5757459	48.693 ug/mlm
21) T n-Octatriacontane (C38)	20.819	5210623	47.819 ug/ml
22) T n-Tetracontane (C40)	21.731	5200078	48.060 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC050124AL\
Data File : FC066277.D
Signal(s) : FID1A.ch
Acq On : 01 May 2024 13:42
Operator : YP/AJ
Sample : 50 PPM ALIPHATIC HC STD2
Misc :
ALS Vial : 7 Sample Multiplier: 1

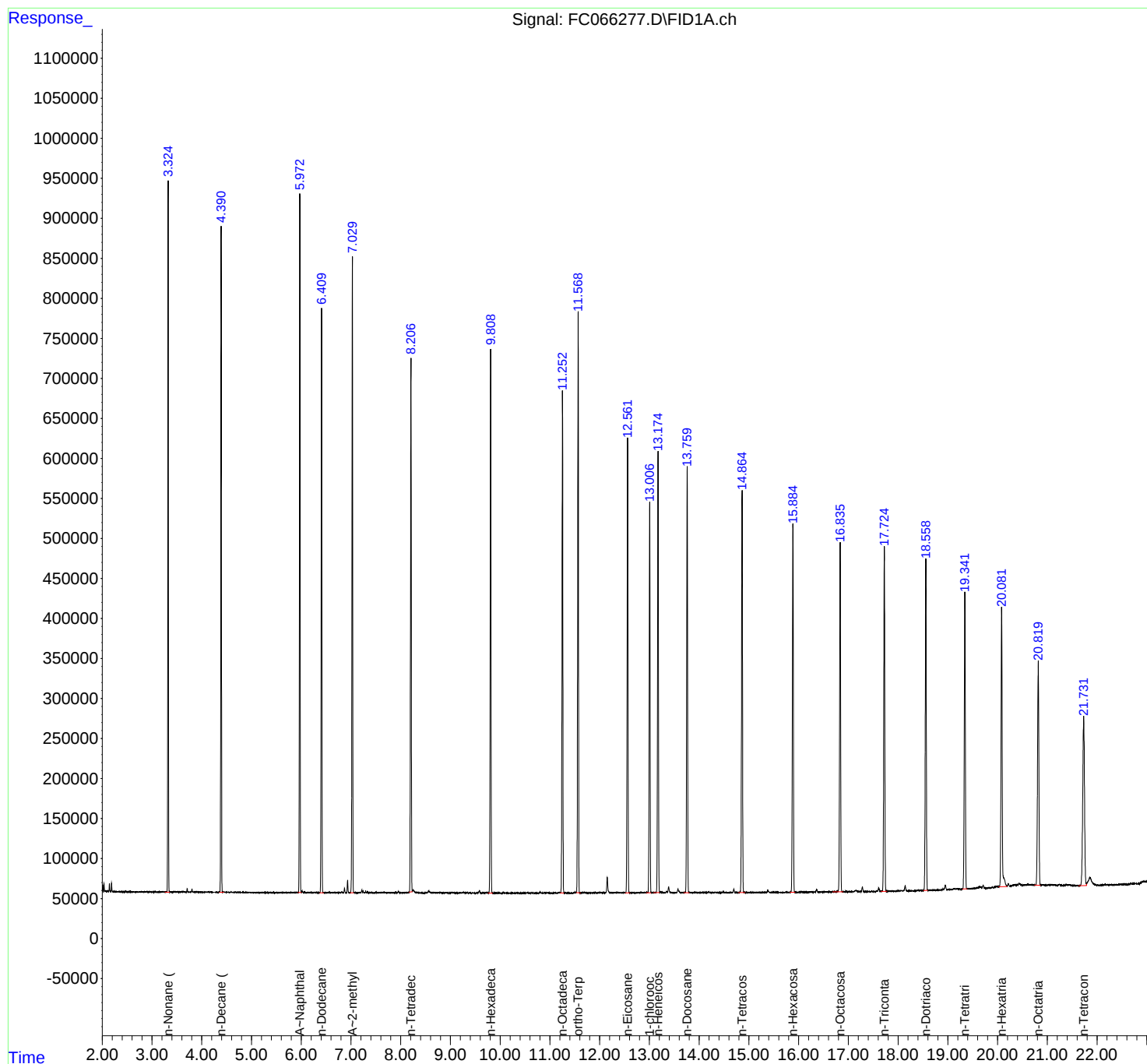
Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2

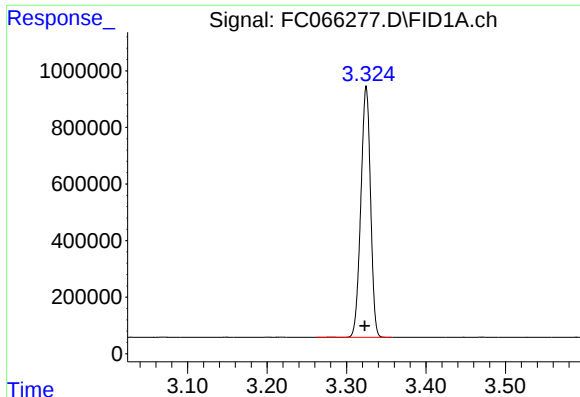
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/02/2024
Supervised By :mohammad ahmed 05/02/2024

Integration File: autoint1.e
Quant Time: May 02 08:56:36 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 050124.M
Quant Title : GC Extractables
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Response via : Initial Calibration
Integrator: ChemStation

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





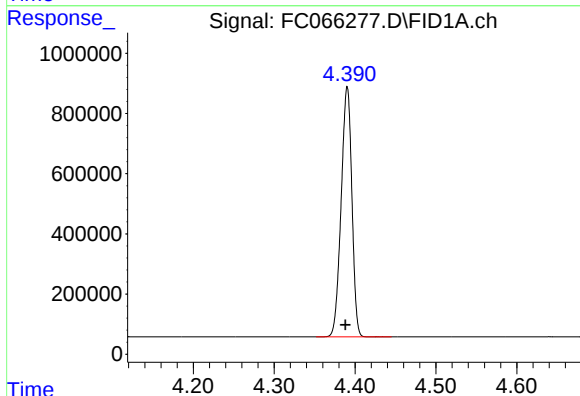
#1 n-Nonane (C9)

R.T.: 3.325 min
Delta R.T.: 0.002 min
Response: 7512037
Conc: 47.90 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2

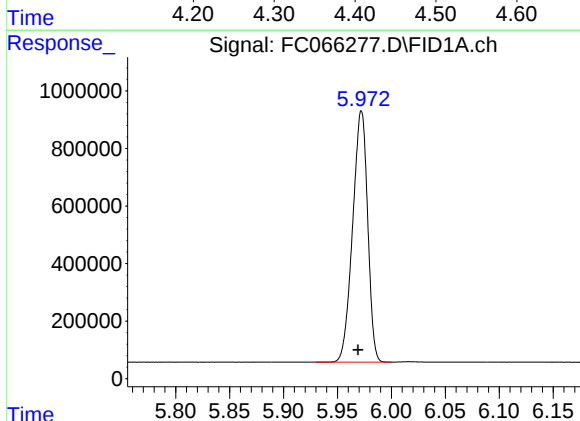
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/02/2024
Supervised By :mohammad ahmed 05/02/2024



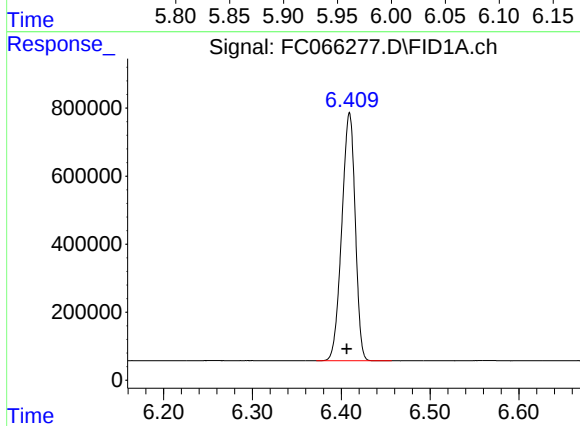
#2 n-Decane (C10)

R.T.: 4.390 min
Delta R.T.: 0.002 min
Response: 7660331
Conc: 47.89 ug/ml



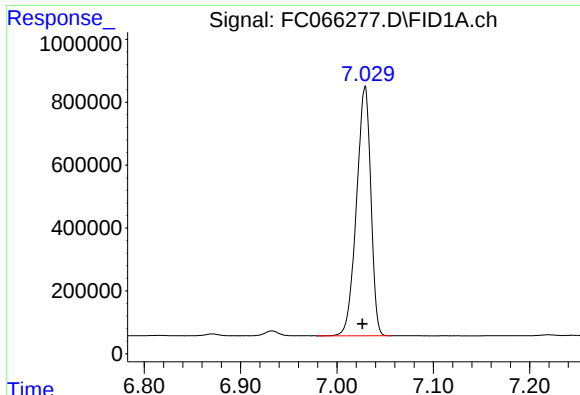
#3 A~Naphthalene (C11.7)

R.T.: 5.972 min
Delta R.T.: 0.003 min
Response: 8446566
Conc: 47.80 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.409 min
Delta R.T.: 0.003 min
Response: 7654563
Conc: 47.99 ug/ml



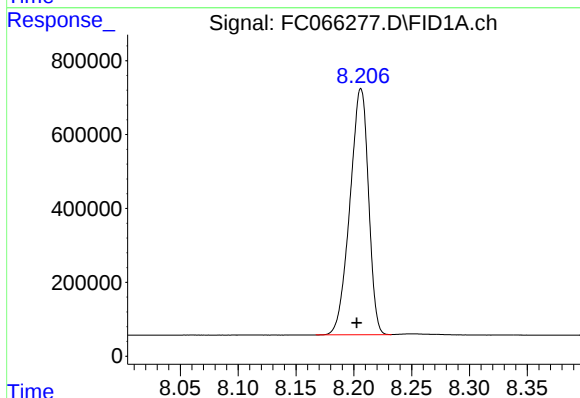
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.029 min
Delta R.T.: 0.002 min
Response: 8206923
Conc: 47.90 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2

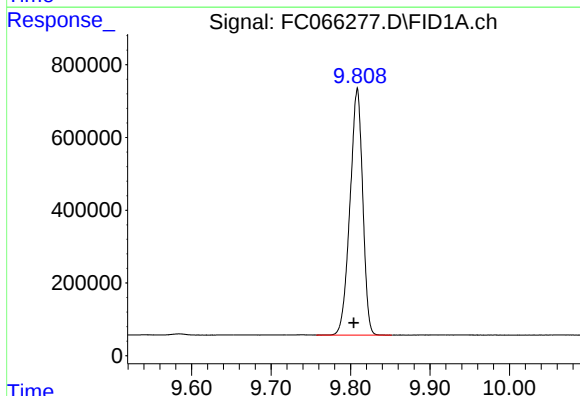
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/02/2024
Supervised By :mohammad ahmed 05/02/2024



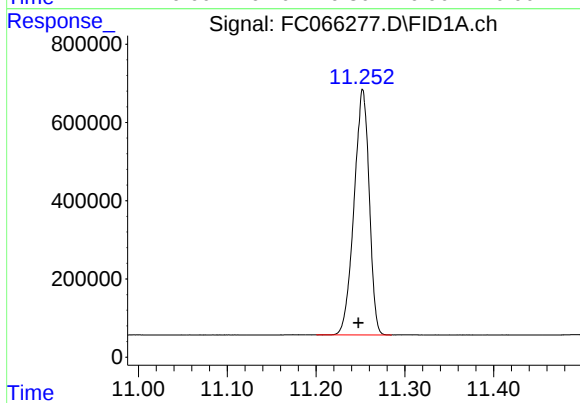
#6 n-Tetradecane (C14)

R.T.: 8.206 min
Delta R.T.: 0.003 min
Response: 7450893
Conc: 47.98 ug/ml m



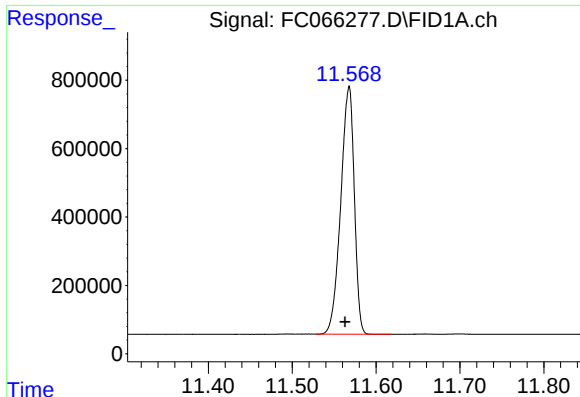
#7 n-Hexadecane (C16)

R.T.: 9.808 min
Delta R.T.: 0.004 min
Response: 7539129
Conc: 47.89 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.253 min
Delta R.T.: 0.005 min
Response: 7434526
Conc: 47.91 ug/ml



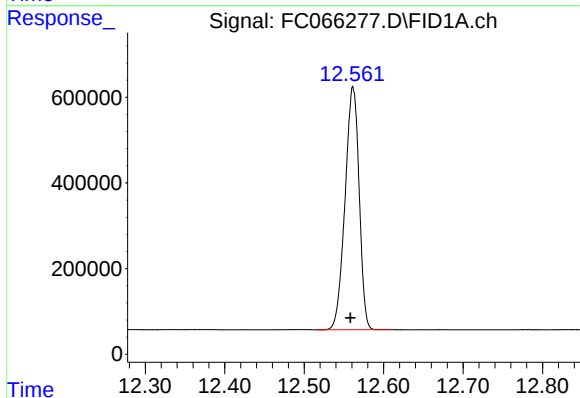
#9 ortho-Terphenyl (SURR)

R.T.: 11.567 min
Delta R.T.: 0.005 min
Response: 8140027
Conc: 47.89 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2

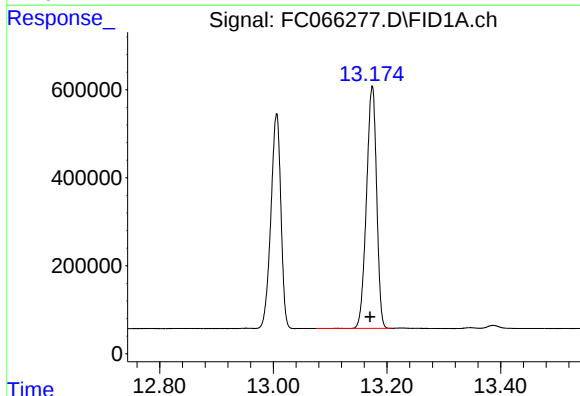
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/02/2024
Supervised By :mohammad ahmed 05/02/2024



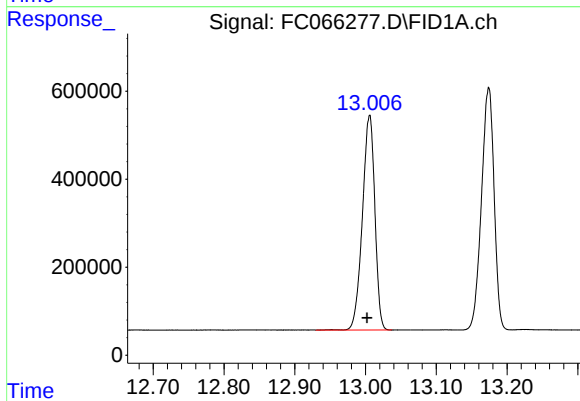
#10 n-Eicosane (C20)

R.T.: 12.561 min
Delta R.T.: 0.003 min
Response: 7002346
Conc: 48.01 ug/ml



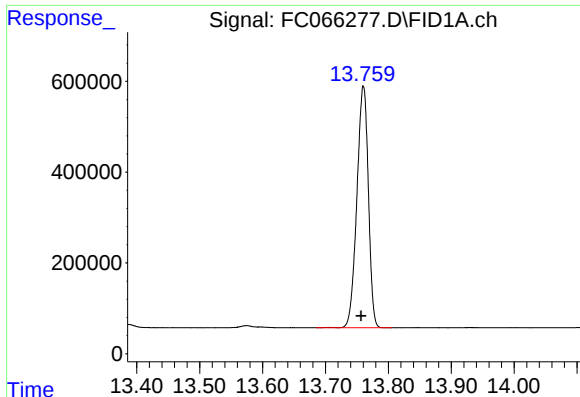
#11 n-Heneicosane (C21)

R.T.: 13.174 min
Delta R.T.: 0.003 min
Response: 6834099
Conc: 48.05 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.006 min
Delta R.T.: 0.003 min
Response: 5968059
Conc: 47.98 ug/ml



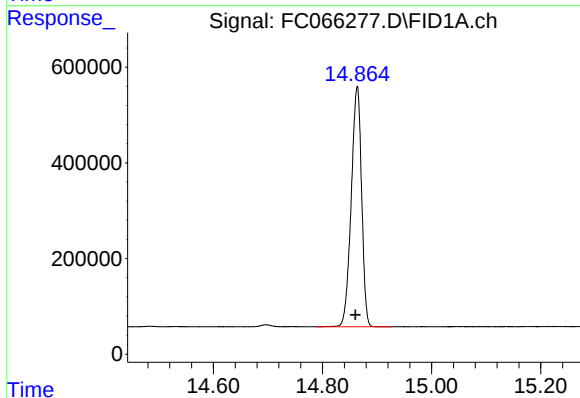
#13 n-Docosane (C22)

R.T.: 13.760 min
Delta R.T.: 0.003 min
Response: 6746177
Conc: 48.11 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2

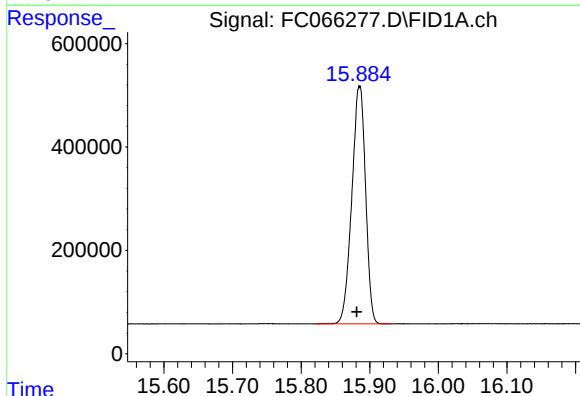
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/02/2024
Supervised By :mohammad ahmed 05/02/2024



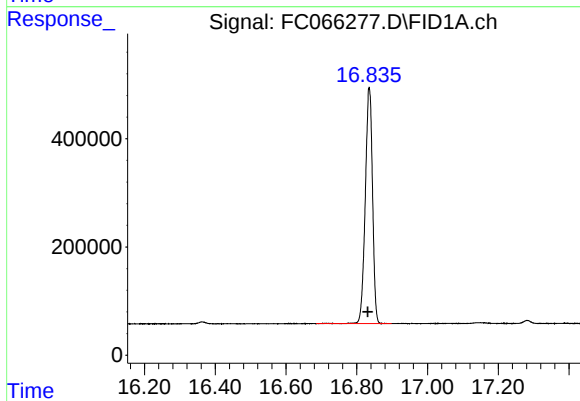
#14 n-Tetracosane (C24)

R.T.: 14.863 min
Delta R.T.: 0.003 min
Response: 6617413
Conc: 48.16 ug/ml



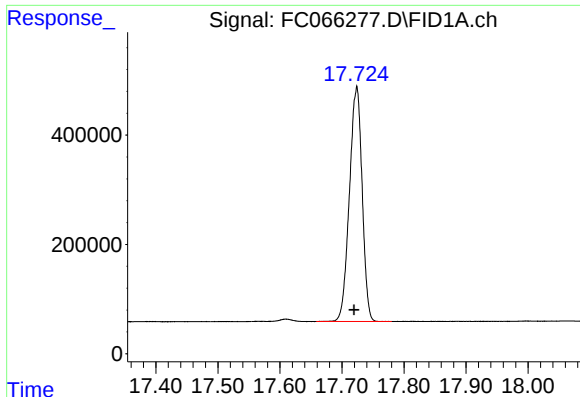
#15 n-Hexacosane (C26)

R.T.: 15.885 min
Delta R.T.: 0.004 min
Response: 6394617
Conc: 48.19 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.835 min
Delta R.T.: 0.004 min
Response: 6179293
Conc: 48.14 ug/ml



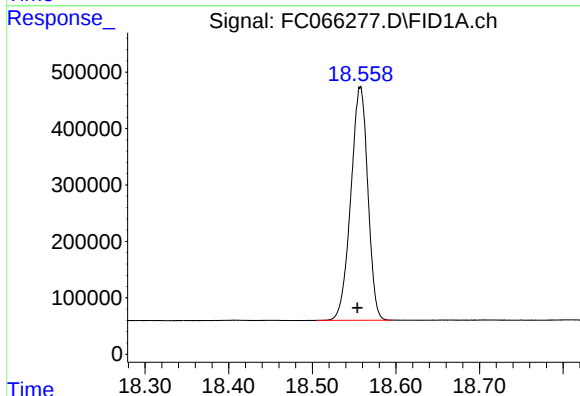
#17 n-Tricontane (C30)

R.T.: 17.723 min
Delta R.T.: 0.004 min
Response: 6123095
Conc: 47.91 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2

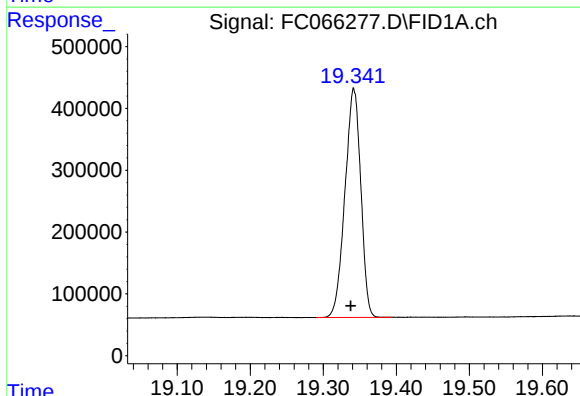
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/02/2024
Supervised By :mohammad ahmed 05/02/2024



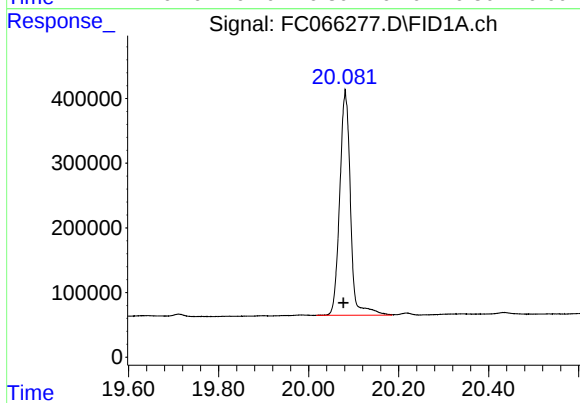
#18 n-Dotriacontane (C32)

R.T.: 18.558 min
Delta R.T.: 0.004 min
Response: 5850107
Conc: 47.80 ug/ml m



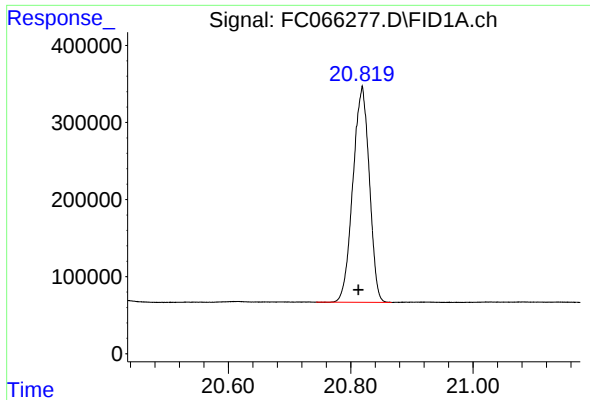
#19 n-Tetratriacontane (C34)

R.T.: 19.342 min
Delta R.T.: 0.004 min
Response: 5567978
Conc: 47.77 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.081 min
Delta R.T.: 0.003 min
Response: 5757459
Conc: 48.69 ug/ml m



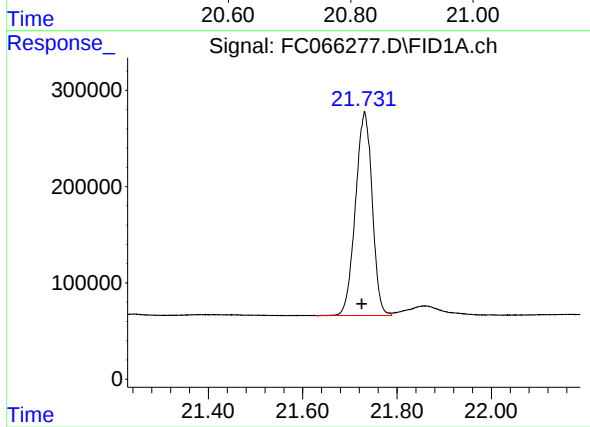
#21 n-Octatriacontane (C38)

R.T.: 20.819 min
Delta R.T.: 0.006 min
Response: 5210623
Conc: 47.82 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/02/2024
Supervised By :mohammad ahmed 05/02/2024



#22 n-Tetracontane (C40)

R.T.: 21.731 min
Delta R.T.: 0.006 min
Response: 5200078
Conc: 48.06 ug/ml

Instrument :
FID_C
LabSampleId :
50 PPM ALIPHATIC HC STD2

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 05/02/2024
Supervised By :mohammad ahmed 05/02/2024

rteres

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC
Data File : FC066277.D
Signal(s) : FID1A.ch
Acq On : 01 May 2024 13:42
Sample : 50 PPM ALIPHATIC HC STD2
Misc :
ALS Vial : 7 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 050124.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	3.325	3.262	3.357	BB	888376	7512037	88.94%	5.023%
2	4.390	4.352	4.445	BB	833846	7660331	90.69%	5.122%
3	5.972	5.930	6.000	BV	875854	8446566	100.00%	5.648%
4	6.409	6.372	6.457	BB	728151	7654563	90.62%	5.118%
5	7.029	6.978	7.057	BV	789042	8206923	97.16%	5.488%
6	8.206	8.018	8.233	BV	666695	7412299	87.76%	4.956%
7	9.808	9.757	9.852	BB	677566	7539129	89.26%	5.041%
8	11.253	11.200	11.285	BB	629345	7434526	88.02%	4.971%
9	11.567	11.528	11.618	BB	719475	8140027	96.37%	5.443%
10	12.561	12.515	12.610	BB	565685	7002346	82.90%	4.682%
11	13.006	12.930	13.037	BB	486886	5968059	70.66%	3.991%
12	13.174	13.075	13.208	BV	549909	6834099	80.91%	4.570%
13	13.760	13.685	13.805	BB	533253	6746177	79.87%	4.511%
14	14.863	14.788	14.927	BB	502307	6617413	78.34%	4.425%
15	15.885	15.822	15.932	BB	459608	6394617	75.71%	4.276%
16	16.835	16.685	16.898	BB	434960	6179293	73.16%	4.132%
17	17.723	17.658	17.780	BB	428532	6123095	72.49%	4.094%
18	18.557	18.348	18.608	BB	413940	5855641	69.33%	3.915%
19	19.342	19.290	19.393	BB	370264	5567978	65.92%	3.723%
20	20.081	19.772	20.188	BV	348389	5845987	69.21%	3.909%
21	20.819	20.743	20.867	BB	279057	5210623	61.69%	3.484%
22	21.731	21.628	21.788	BV	211631	5200078	61.56%	3.477%

Sum of corrected areas: 149551805

Aliphatic EPH 050124.M Thu May 02 09:09:19 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC050124AL\
 Data File : FC066278.D
 Signal(s) : FID1A.ch
 Acq On : 01 May 2024 14:23
 Operator : YP/AJ
 Sample : 20 PPM ALIPHATIC HC STD3
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 20 PPM ALIPHATIC HC STD3

Integration File: autoint1.e
 Quant Time: May 02 08:49:00 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 050124.M
 Quant Title : GC Extractables
 QLast Update : Thu May 02 08:48:13 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)	11.563	3691076	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
12) S 1-chlorooctadecane (S...	13.002	2712482	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
Target Compounds			
1) T n-Nonane (C9)	3.323	3345521	20.000 ug/ml
2) T n-Decane (C10)	4.388	3429398	20.000 ug/ml
3) T A~Naphthalene (C11.7)	5.969	3790102	20.000 ug/ml
4) T n-Dodecane (C12)	6.406	3429340	20.000 ug/ml
5) T A~2-methylnaphthalene...	7.026	3681022	20.000 ug/ml
6) T n-Tetradecane (C14)	8.203	3335742	20.000 ug/ml
7) T n-Hexadecane (C16)	9.804	3412000	20.000 ug/ml
8) T n-Octadecane (C18)	11.248	3372645	20.000 ug/ml
10) T n-Eicosane (C20)	12.558	3175725	20.000 ug/ml
11) T n-Heneicosane (C21)	13.171	3097220	20.000 ug/ml
13) T n-Docosane (C22)	13.757	3055200	20.000 ug/ml
14) T n-Tetracosane (C24)	14.860	2995580	20.000 ug/ml
15) T n-Hexacosane (C26)	15.881	2886282	20.000 ug/ml
16) T n-Octacosane (C28)	16.831	2805035	20.000 ug/ml
17) T n-Tricontane (C30)	17.720	2812650	20.000 ug/ml
18) T n-Dotriacontane (C32)	18.554	2692503	20.000 ug/ml
19) T n-Tetratriacontane (C34)	19.338	2555635	20.000 ug/ml
20) T n-Hexatriacontane (C36)	20.078	2686321	20.000 ug/ml
21) T n-Octatriacontane (C38)	20.813	2344833	20.000 ug/ml
22) T n-Tetracontane (C40)	21.725	2326009	20.000 ug/ml

(f)=RT Delta > 1/2 Window

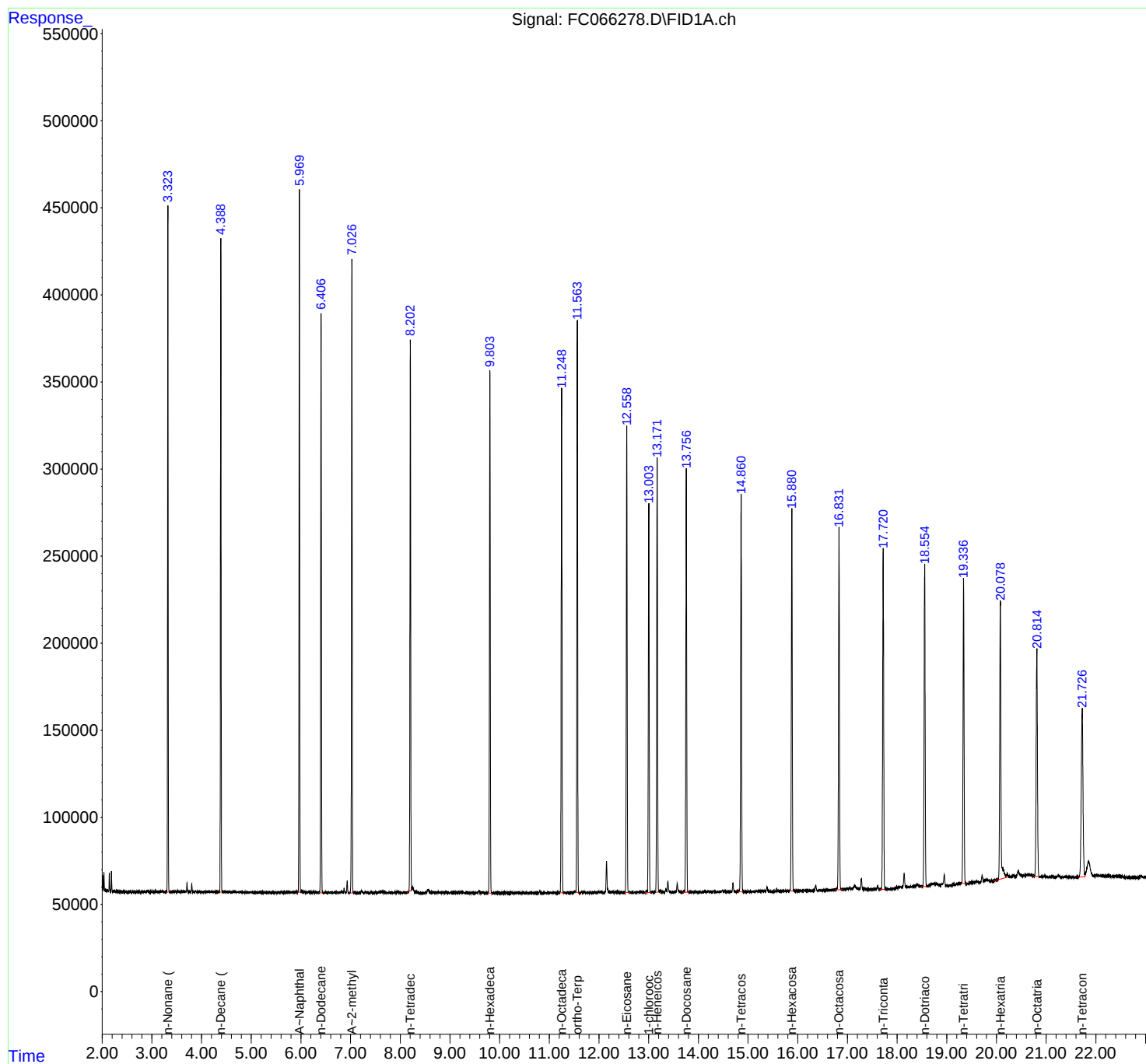
(m)=manual int.

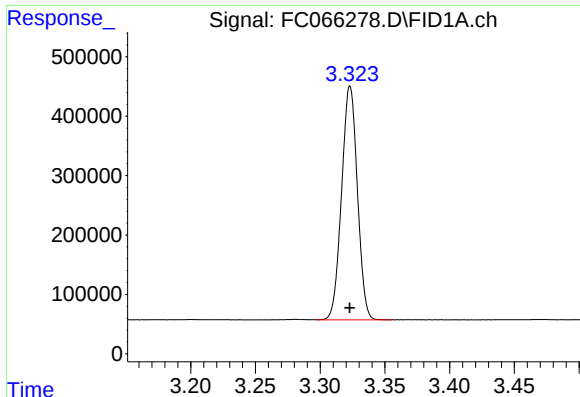
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC050124AL\
Data File : FC066278.D
Signal(s) : FID1A.ch
Acq On : 01 May 2024 14:23
Operator : YP/AJ
Sample : 20 PPM ALIPHATIC HC STD3
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3

Integration File: autoint1.e
Quant Time: May 02 08:49:00 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 050124.M
Quant Title : GC Extractables
QLast Update : Thu May 02 08:48:13 2024
Response via : Initial Calibration
Integrator: ChemStation

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

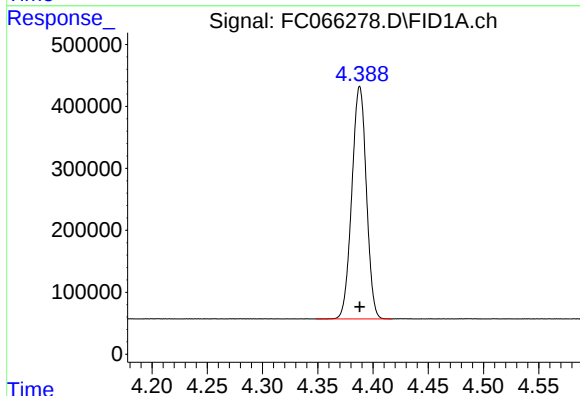




#1 n-Nonane (C9)

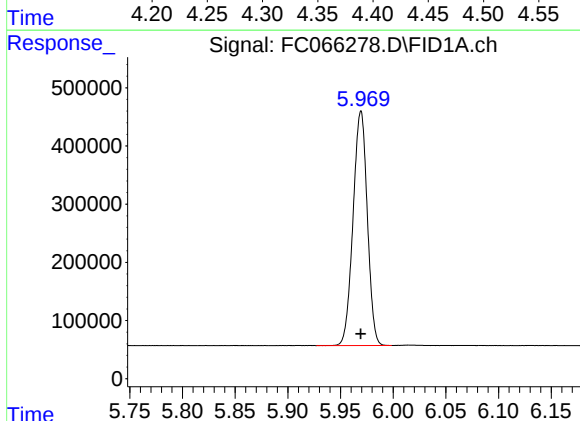
R.T.: 3.323 min
Delta R.T.: 0.000 min
Response: 3345521
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



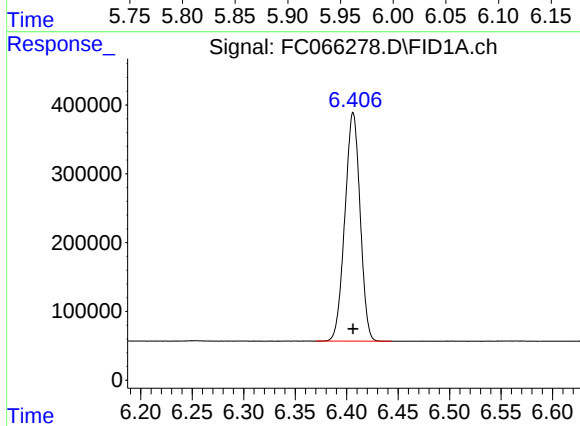
#2 n-Decane (C10)

R.T.: 4.388 min
Delta R.T.: 0.000 min
Response: 3429398
Conc: 20.00 ug/ml



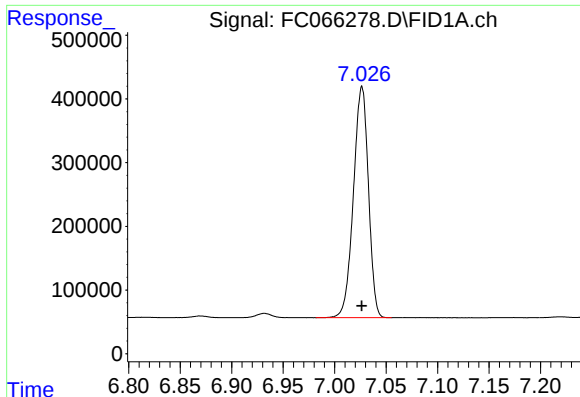
#3 A~Naphthalene (C11.7)

R.T.: 5.969 min
Delta R.T.: 0.000 min
Response: 3790102
Conc: 20.00 ug/ml



#4 n-Dodecane (C12)

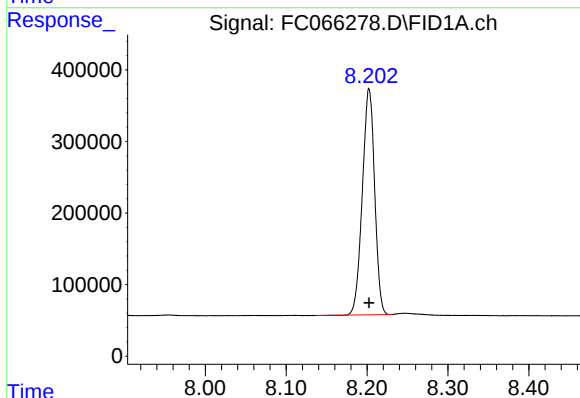
R.T.: 6.406 min
Delta R.T.: 0.000 min
Response: 3429340
Conc: 20.00 ug/ml



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

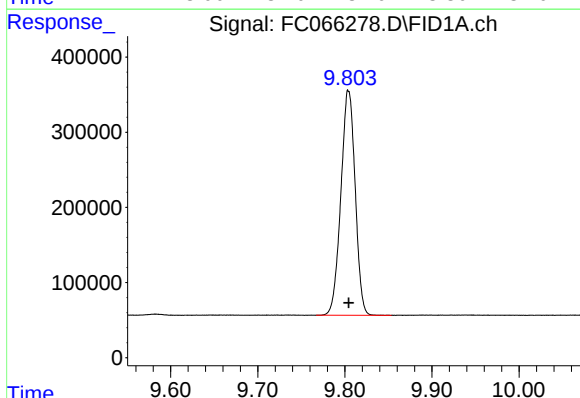
R.T.: 7.026 min
Delta R.T.: 0.000 min
Response: 3681022
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



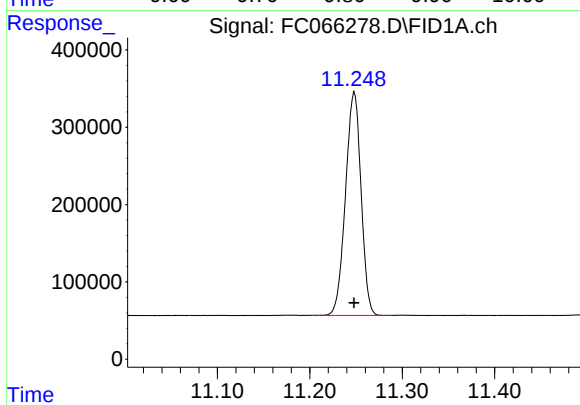
#6 n-Tetradecane (C14)

R.T.: 8.203 min
Delta R.T.: 0.000 min
Response: 3335742
Conc: 20.00 ug/ml



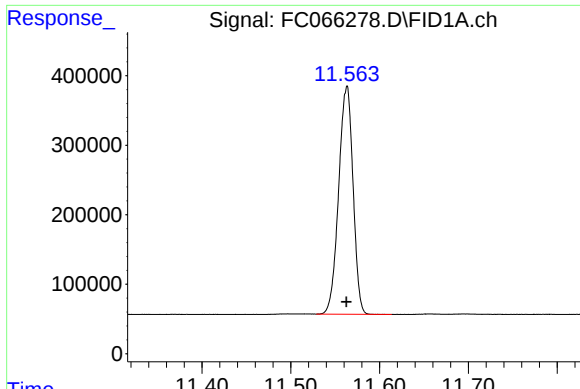
#7 n-Hexadecane (C16)

R.T.: 9.804 min
Delta R.T.: 0.000 min
Response: 3412000
Conc: 20.00 ug/ml



#8 n-Octadecane (C18)

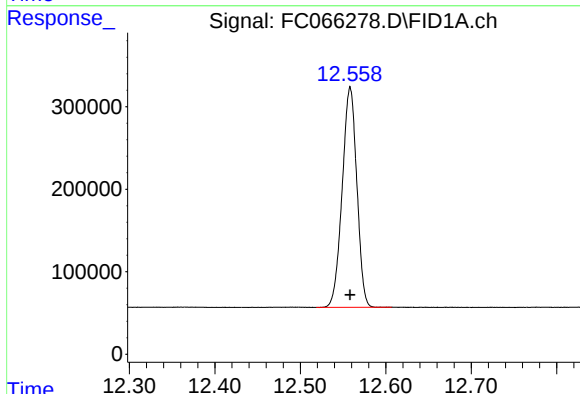
R.T.: 11.248 min
Delta R.T.: 0.000 min
Response: 3372645
Conc: 20.00 ug/ml



#9 ortho-Terphenyl (SURR)

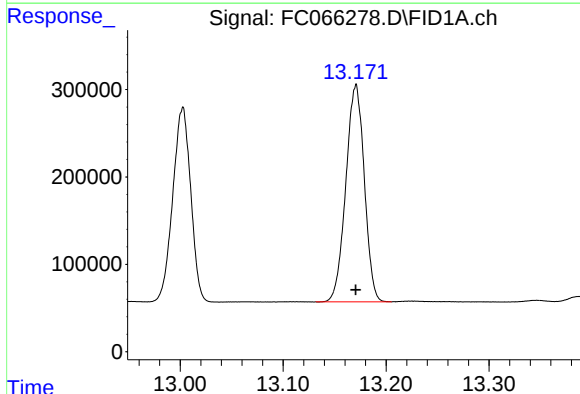
R.T.: 11.563 min
Delta R.T.: 0.000 min
Response: 3691076
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



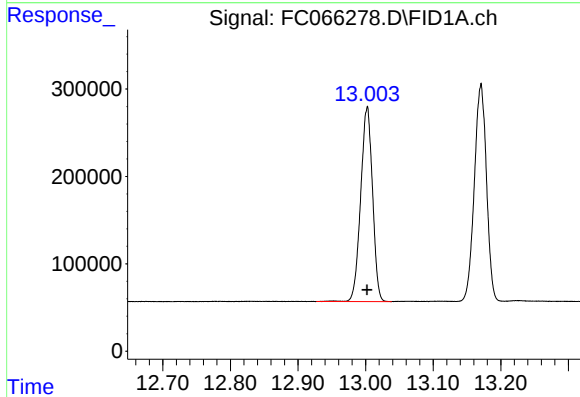
#10 n-Eicosane (C20)

R.T.: 12.558 min
Delta R.T.: 0.000 min
Response: 3175725
Conc: 20.00 ug/ml



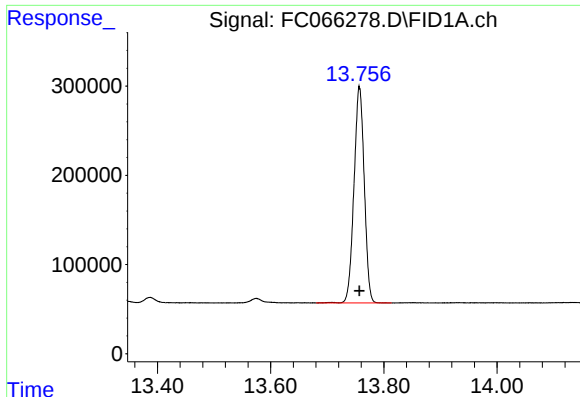
#11 n-Heneicosane (C21)

R.T.: 13.171 min
Delta R.T.: 0.000 min
Response: 3097220
Conc: 20.00 ug/ml



#12 1-chlorooctadecane (SURR)

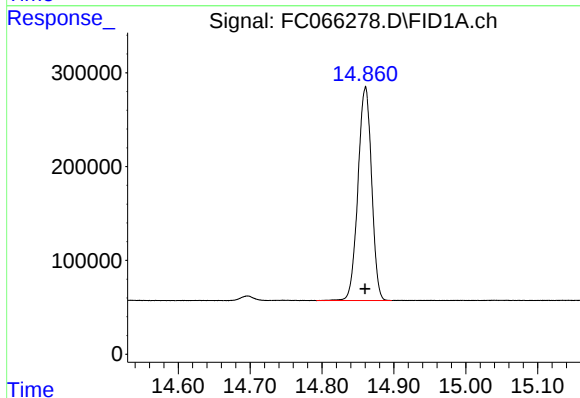
R.T.: 13.002 min
Delta R.T.: 0.000 min
Response: 2712482
Conc: 20.00 ug/ml



#13 n-Docosane (C22)

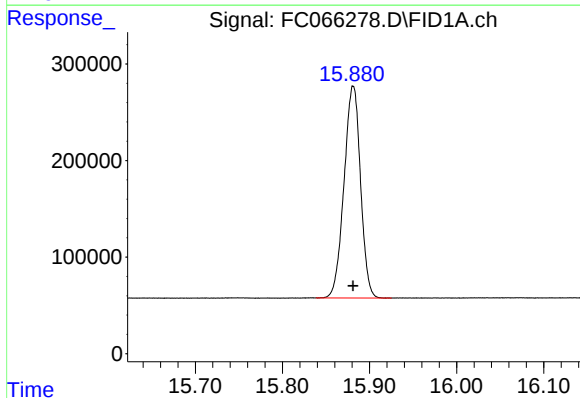
R.T.: 13.757 min
Delta R.T.: 0.000 min
Response: 3055200
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



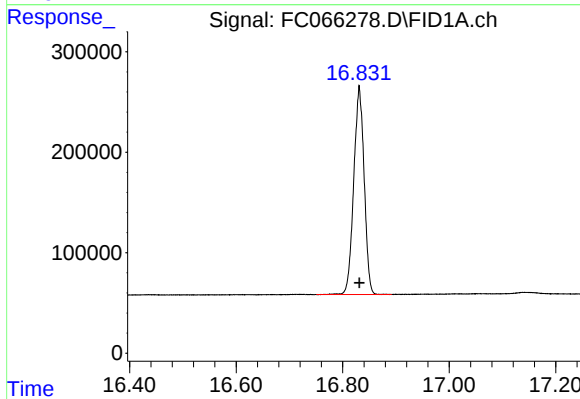
#14 n-Tetracosane (C24)

R.T.: 14.860 min
Delta R.T.: 0.000 min
Response: 2995580
Conc: 20.00 ug/ml



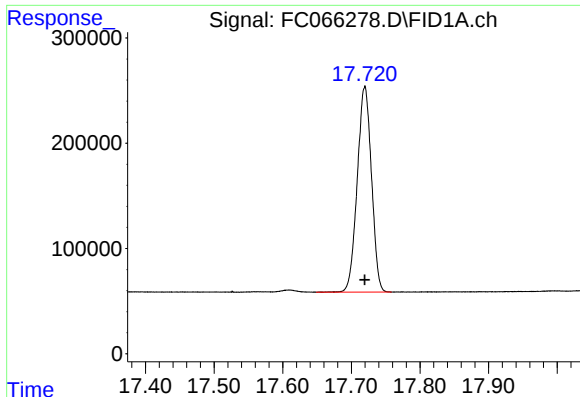
#15 n-Hexacosane (C26)

R.T.: 15.881 min
Delta R.T.: 0.000 min
Response: 2886282
Conc: 20.00 ug/ml



#16 n-Octacosane (C28)

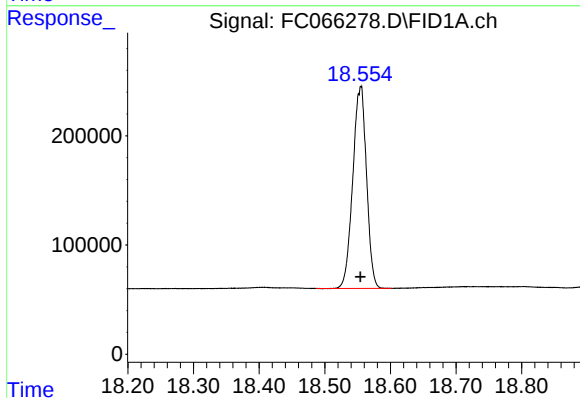
R.T.: 16.831 min
Delta R.T.: 0.000 min
Response: 2805035
Conc: 20.00 ug/ml



#17 n-Tricontane (C30)

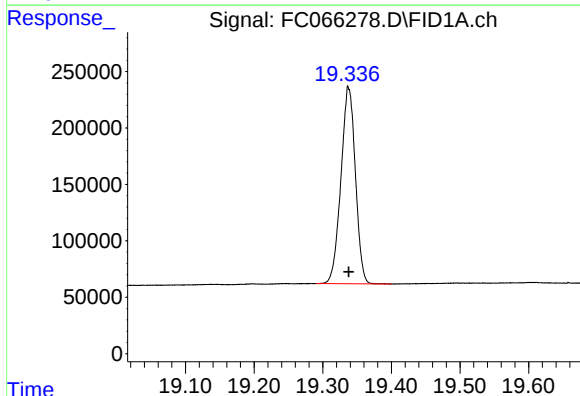
R.T.: 17.720 min
Delta R.T.: 0.000 min
Response: 2812650
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



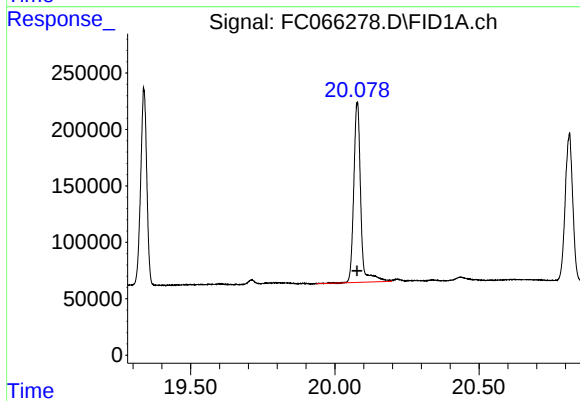
#18 n-Dotriacontane (C32)

R.T.: 18.554 min
Delta R.T.: 0.000 min
Response: 2692503
Conc: 20.00 ug/ml



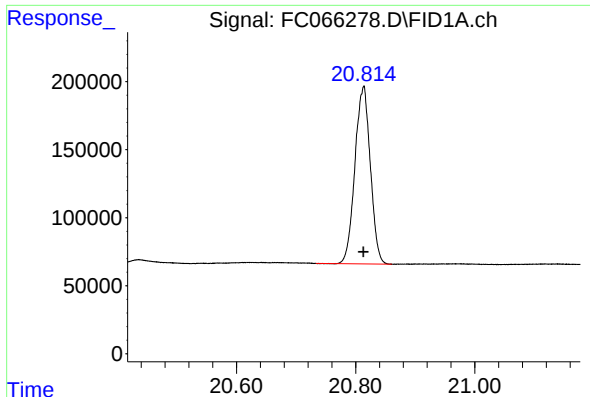
#19 n-Tetratriacontane (C34)

R.T.: 19.338 min
Delta R.T.: 0.000 min
Response: 2555635
Conc: 20.00 ug/ml



#20 n-Hexatriacontane (C36)

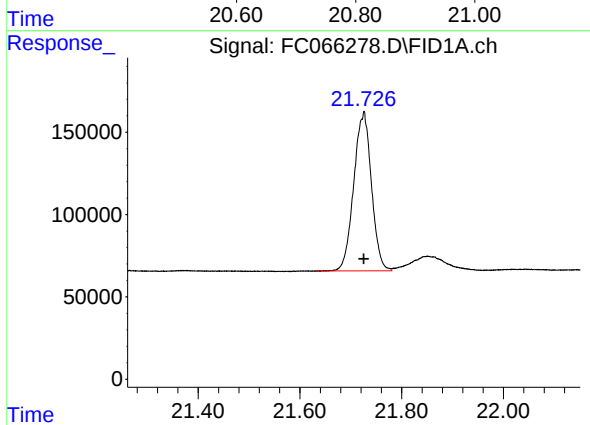
R.T.: 20.078 min
Delta R.T.: 0.000 min
Response: 2686321
Conc: 20.00 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.813 min
Delta R.T.: 0.000 min
Response: 2344833
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



#22 n-Tetracontane (C40)

R.T.: 21.725 min
Delta R.T.: 0.000 min
Response: 2326009
Conc: 20.00 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC050124AL\
Data File : FC066278.D
Signal(s) : FID1A.ch
Acq On : 01 May 2024 14:23
Sample : 20 PPM ALIPHATIC HC STD3
Misc :
ALS Vial : 8 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 050124.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	3.323	3.297	3.355	VB	393741	3345521	88.27%	4.947%
2	4.388	4.349	4.417	BB	376023	3429398	90.48%	5.071%
3	5.969	5.927	5.999	BV	402544	3790102	100.00%	5.604%
4	6.406	6.370	6.444	BB	332590	3429340	90.48%	5.071%
5	7.026	6.982	7.055	BB	364148	3681022	97.12%	5.443%
6	8.203	8.137	8.230	BV	316514	3335742	88.01%	4.932%
7	9.804	9.767	9.854	BB	300124	3412000	90.02%	5.045%
8	11.248	11.207	11.289	BB	289618	3372645	88.99%	4.987%
9	11.563	11.529	11.614	BB	330840	3691076	97.39%	5.458%
10	12.558	12.519	12.607	BB	267418	3175725	83.79%	4.696%
11	13.002	12.927	13.039	BB	221439	2712482	71.57%	4.011%
12	13.171	13.132	13.205	BV	247550	3097220	81.72%	4.579%
13	13.757	13.680	13.814	BB	241632	3055200	80.61%	4.517%
14	14.860	14.792	14.897	BB	227436	2995580	79.04%	4.429%
15	15.881	15.839	15.925	BB	219671	2886282	76.15%	4.268%
16	16.831	16.750	16.892	BB	205573	2805035	74.01%	4.147%
17	17.720	17.649	17.759	BB	196202	2812650	74.21%	4.159%
18	18.554	18.487	18.602	BB	183051	2692503	71.04%	3.981%
19	19.338	19.290	19.400	BB	172275	2555635	67.43%	3.779%
20	20.078	19.935	20.197	BV	158339	2686321	70.88%	3.972%
21	20.813	20.734	20.860	BB	130850	2344833	61.87%	3.467%
22	21.725	21.632	21.780	BV	96540	2326009	61.37%	3.439%
Sum of corrected areas:						67632317		

Aliphatic EPH 050124.M Thu May 02 09:09:57 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC050124AL\
 Data File : FC066279.D
 Signal(s) : FID1A.ch
 Acq On : 01 May 2024 16:29
 Operator : YP/AJ
 Sample : 10 PPM ALIPHATIC HC STD4
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 10 PPM ALIPHATIC HC STD4

Integration File: autoint1.e
 Quant Time: May 02 08:59:51 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 050124.M
 Quant Title : GC Extractables
 QLast Update : Thu May 02 08:48:13 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)	11.561	1571013	9.421 ug/ml
Spiked Amount 50.000		Recovery =	18.84%
12) S 1-chlorooctadecane (S...	13.000	1195681	9.707 ug/ml
Spiked Amount 50.000		Recovery =	19.41%
Target Compounds			
1) T n-Nonane (C9)	3.320	1400566	9.176 ug/ml
2) T n-Decane (C10)	4.387	1422409	9.145 ug/ml
3) T A~Naphthalene (C11.7)	5.969	1570820	9.144 ug/ml
4) T n-Dodecane (C12)	6.406	1423547	9.172 ug/ml
5) T A~2-methylnaphthalene...	7.025	1523196	9.143 ug/ml
6) T n-Tetradecane (C14)	8.202	1390725	9.195 ug/ml
7) T n-Hexadecane (C16)	9.803	1447092	9.382 ug/ml
8) T n-Octadecane (C18)	11.247	1458240	9.541 ug/ml
10) T n-Eicosane (C20)	12.557	1412442	9.762 ug/ml
11) T n-Heneicosane (C21)	13.169	1374241	9.745 ug/ml
13) T n-Docosane (C22)	13.756	1420174	10.096 ug/ml
14) T n-Tetracosane (C24)	14.859	1542221	10.943 ug/ml
15) T n-Hexacosane (C26)	15.880	1545464	11.187 ug/ml
16) T n-Octacosane (C28)	16.831	1578746	11.630 ug/ml
17) T n-Tricontane (C30)	17.719	1630023	11.933 ug/ml
18) T n-Dotriacontane (C32)	18.552	1536369	11.803 ug/ml
19) T n-Tetratriacontane (C34)	19.336	1271955	10.670 ug/ml
20) T n-Hexatriacontane (C36)	20.077	1134201	9.678 ug/ml
21) T n-Octatriacontane (C38)	20.811	1058377	9.783 ug/ml
22) T n-Tetracontane (C40)	21.723	1078068	9.973 ug/ml

(f)=RT Delta > 1/2 Window

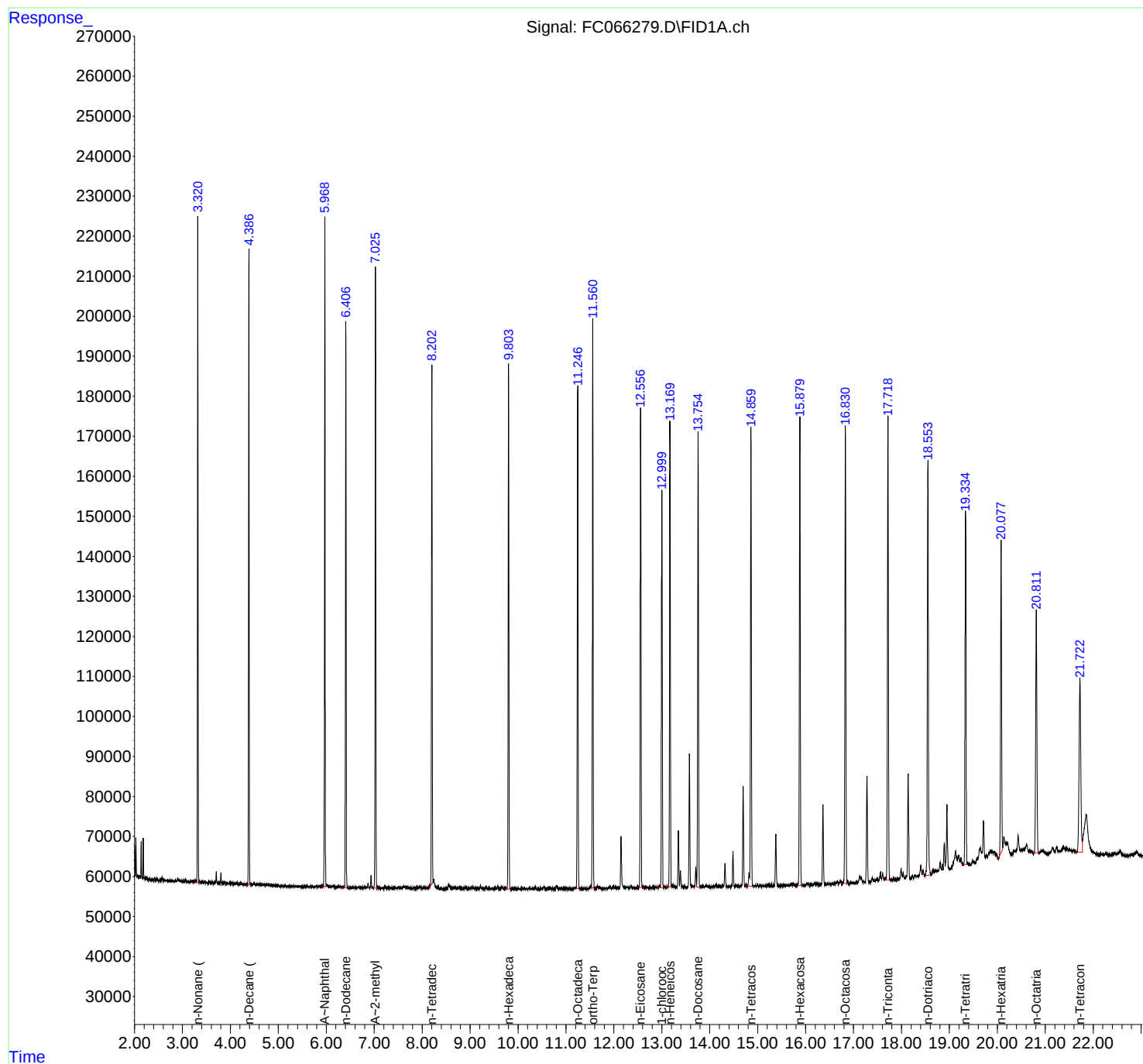
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC050124AL\
Data File : FC066279.D
Signal(s) : FID1A.ch
Acq On : 01 May 2024 16:29
Operator : YP/AJ
Sample : 10 PPM ALIPHATIC HC STD4
Misc :
ALS Vial : 9 Sample Multiplier: 1

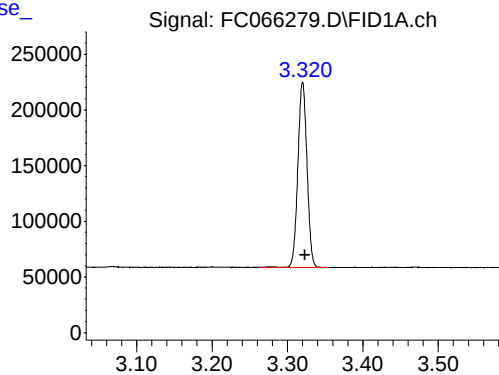
Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4

Integration File: autoint1.e
Quant Time: May 02 08:59:51 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 050124.M
Quant Title : GC Extractables
QLast Update : Thu May 02 08:48:13 2024
Response via : Initial Calibration
Integrator: ChemStation

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



Response_



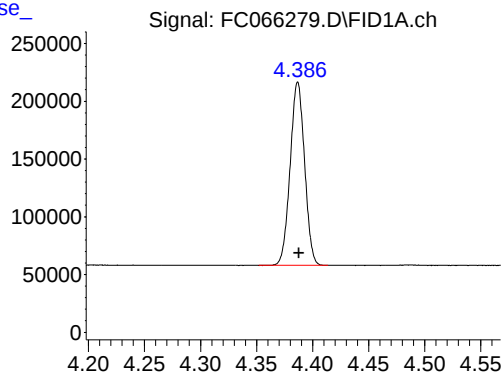
#1 n-Nonane (C9)

R.T.: 3.320 min
Delta R.T.: -0.003 min
Response: 1400566
Conc: 9.18 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4

Time

Response_

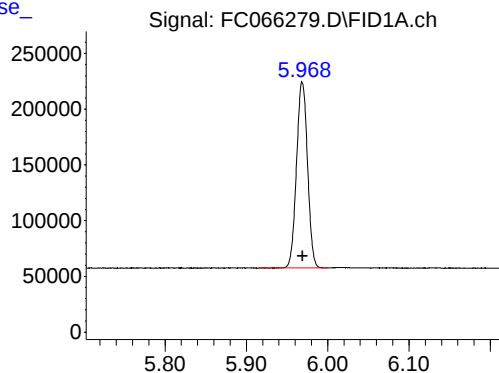


#2 n-Decane (C10)

R.T.: 4.387 min
Delta R.T.: -0.001 min
Response: 1422409
Conc: 9.15 ug/ml

Time

Response_

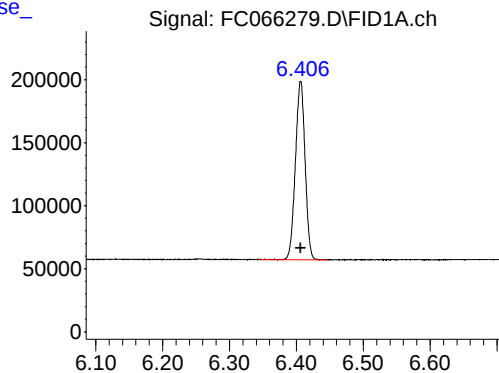


#3 A~Naphthalene (C11.7)

R.T.: 5.969 min
Delta R.T.: 0.000 min
Response: 1570820
Conc: 9.14 ug/ml

Time

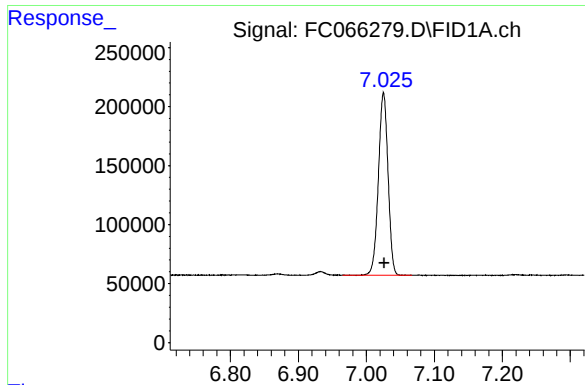
Response_



#4 n-Dodecane (C12)

R.T.: 6.406 min
Delta R.T.: 0.000 min
Response: 1423547
Conc: 9.17 ug/ml

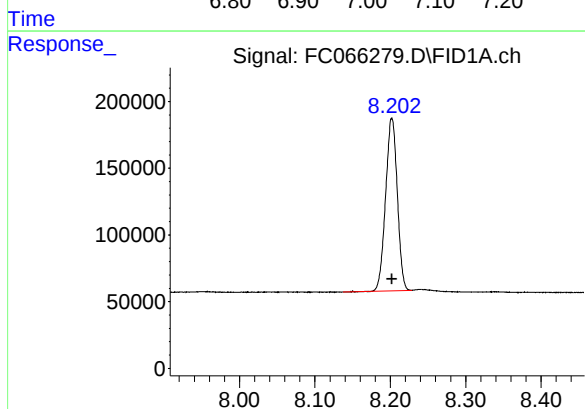
Time



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

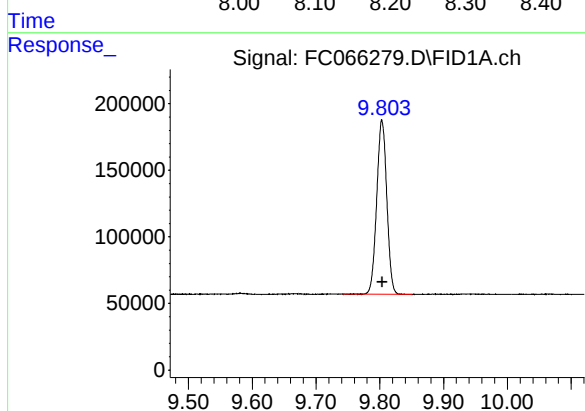
R.T.: 7.025 min
Delta R.T.: -0.001 min
Response: 1523196
Conc: 9.14 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



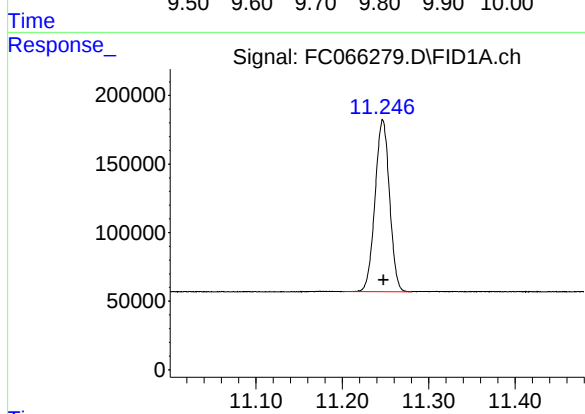
#6 n-Tetradecane (C14)

R.T.: 8.202 min
Delta R.T.: 0.000 min
Response: 1390725
Conc: 9.20 ug/ml



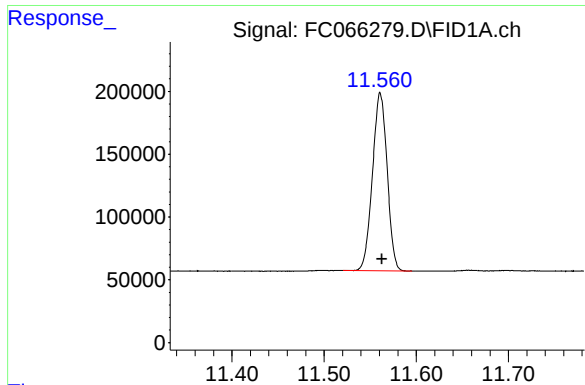
#7 n-Hexadecane (C16)

R.T.: 9.803 min
Delta R.T.: 0.000 min
Response: 1447092
Conc: 9.38 ug/ml



#8 n-Octadecane (C18)

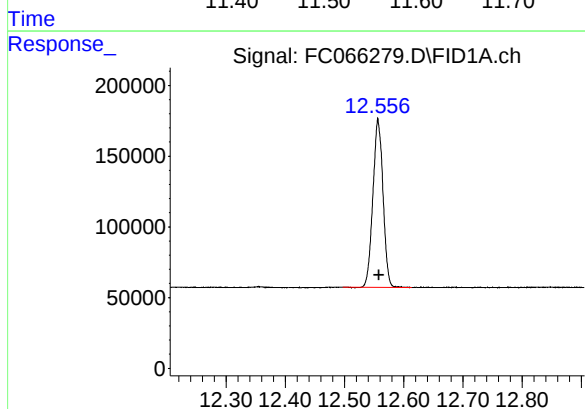
R.T.: 11.247 min
Delta R.T.: -0.001 min
Response: 1458240
Conc: 9.54 ug/ml



#9 ortho-Terphenyl (SURR)

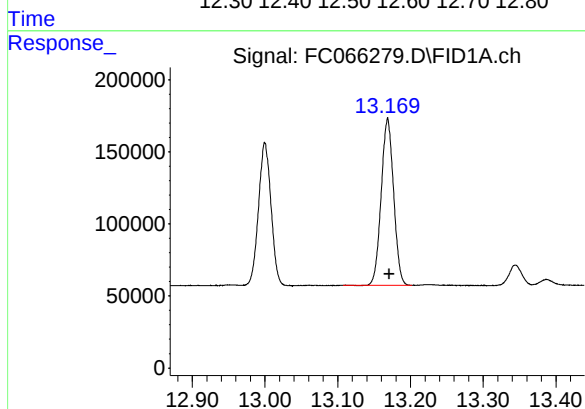
R.T.: 11.561 min
Delta R.T.: -0.002 min
Response: 1571013
Conc: 9.42 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



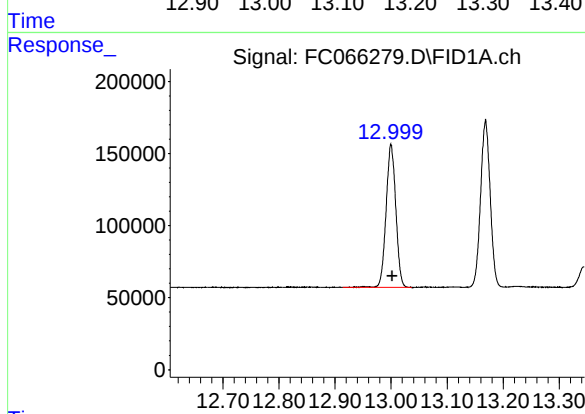
#10 n-Eicosane (C20)

R.T.: 12.557 min
Delta R.T.: -0.001 min
Response: 1412442
Conc: 9.76 ug/ml



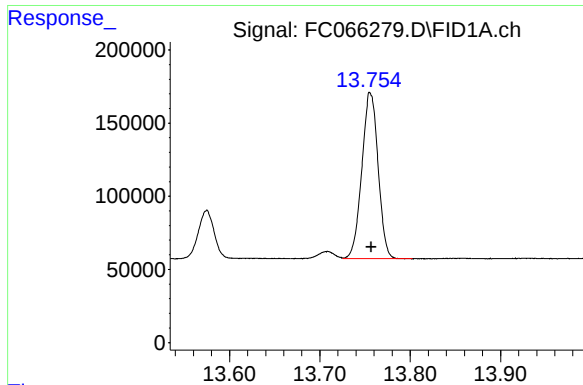
#11 n-Heneicosane (C21)

R.T.: 13.169 min
Delta R.T.: -0.002 min
Response: 1374241
Conc: 9.75 ug/ml



#12 1-chlorooctadecane (SURR)

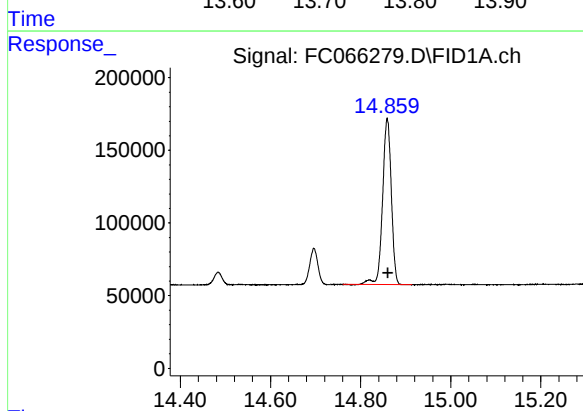
R.T.: 13.000 min
Delta R.T.: -0.002 min
Response: 1195681
Conc: 9.71 ug/ml



#13 n-Docosane (C22)

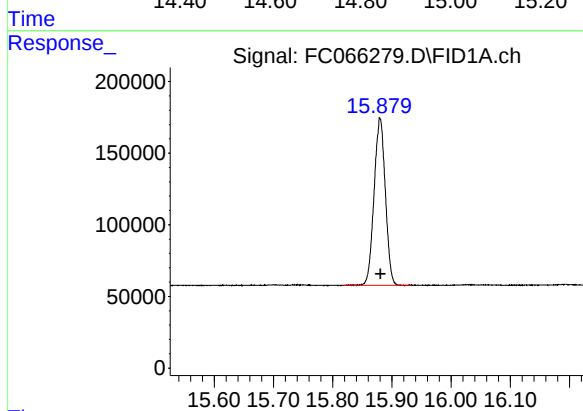
R.T.: 13.756 min
Delta R.T.: 0.000 min
Response: 1420174
Conc: 10.10 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



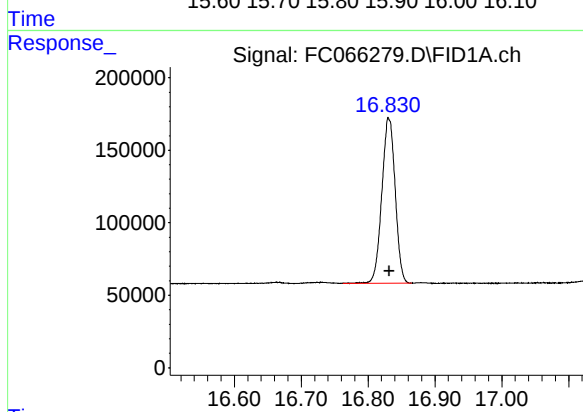
#14 n-Tetracosane (C24)

R.T.: 14.859 min
Delta R.T.: -0.001 min
Response: 1542221
Conc: 10.94 ug/ml



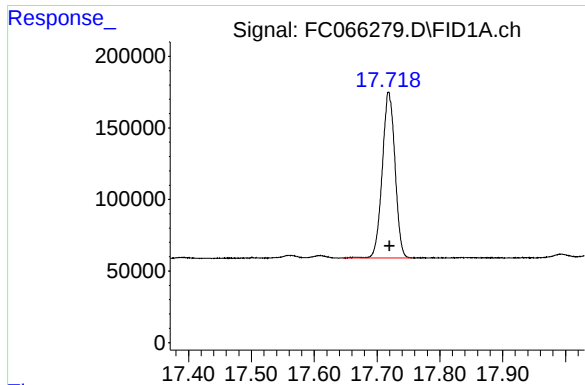
#15 n-Hexacosane (C26)

R.T.: 15.880 min
Delta R.T.: -0.001 min
Response: 1545464
Conc: 11.19 ug/ml



#16 n-Octacosane (C28)

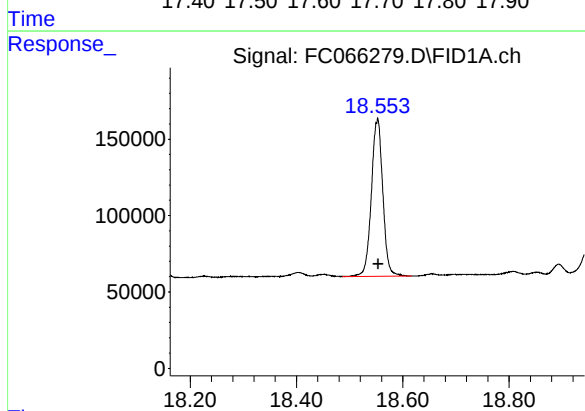
R.T.: 16.831 min
Delta R.T.: 0.000 min
Response: 1578746
Conc: 11.63 ug/ml



#17 n-Tricontane (C30)

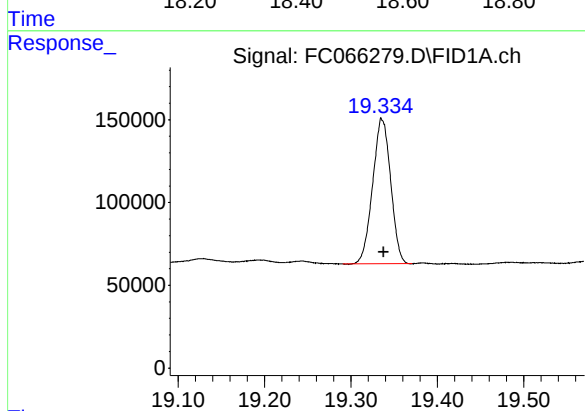
R.T.: 17.719 min
Delta R.T.: 0.000 min
Response: 1630023
Conc: 11.93 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



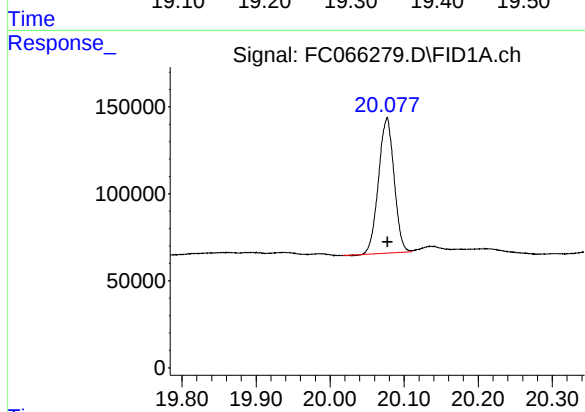
#18 n-Dotriacontane (C32)

R.T.: 18.552 min
Delta R.T.: -0.002 min
Response: 1536369
Conc: 11.80 ug/ml



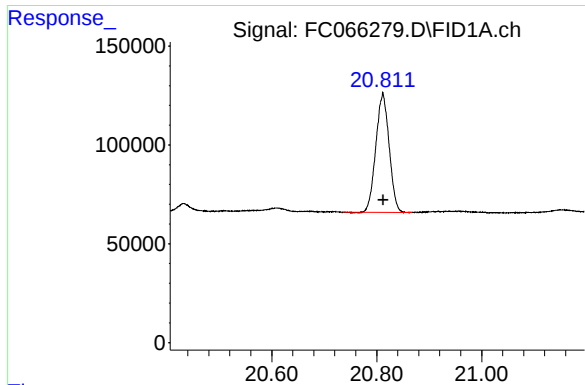
#19 n-Tetatriacontane (C34)

R.T.: 19.336 min
Delta R.T.: -0.002 min
Response: 1271955
Conc: 10.67 ug/ml



#20 n-Hexatriacontane (C36)

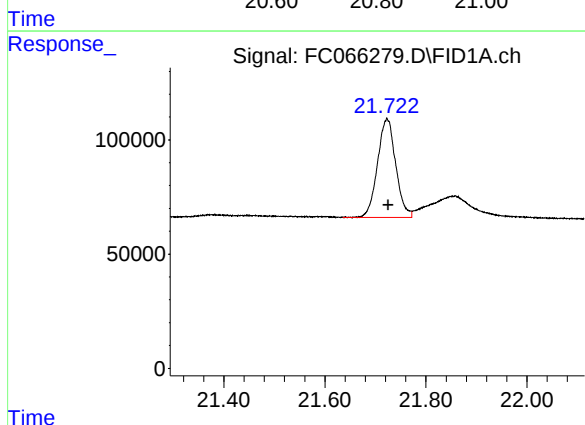
R.T.: 20.077 min
Delta R.T.: -0.001 min
Response: 1134201
Conc: 9.68 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.811 min
Delta R.T.: -0.001 min
Response: 1058377
Conc: 9.78 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



#22 n-Tetracontane (C40)

R.T.: 21.723 min
Delta R.T.: -0.002 min
Response: 1078068
Conc: 9.97 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC050124AL\
Data File : FC066279.D
Signal(s) : FID1A.ch
Acq On : 01 May 2024 16:29
Sample : 10 PPM ALIPHATIC HC STD4
Misc :
ALS Vial : 9 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 050124.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	3.320	3.262	3.354	BB	166456	1400566	85.92%	4.520%
2	4.387	4.352	4.414	BB	158894	1422409	87.26%	4.591%
3	5.969	5.915	6.000	BV	166814	1570820	96.37%	5.070%
4	6.406	6.344	6.447	BB	142233	1423547	87.33%	4.594%
5	7.025	6.965	7.067	BB	154968	1523196	93.45%	4.916%
6	8.202	8.137	8.229	BV	129432	1390725	85.32%	4.488%
7	9.803	9.742	9.850	BB	130633	1447092	88.78%	4.670%
8	11.247	11.200	11.280	BB	125489	1458240	89.46%	4.706%
9	11.561	11.520	11.595	BB	141920	1571013	96.38%	5.070%
10	12.557	12.497	12.614	BB	118048	1412442	86.65%	4.558%
11	13.000	12.914	13.037	BB	99086	1195681	73.35%	3.859%
12	13.169	13.107	13.202	BV	116157	1374241	84.31%	4.435%
13	13.756	13.726	13.802	VB	113459	1420174	87.13%	4.583%
14	14.859	14.760	14.914	BB	114603	1542221	94.61%	4.977%
15	15.880	15.817	15.934	BB	116674	1545464	94.81%	4.988%
16	16.831	16.762	16.865	BV	113929	1578746	96.85%	5.095%
17	17.719	17.645	17.755	BB	115473	1630023	100.00%	5.261%
18	18.552	18.487	18.617	BV	102149	1536369	94.25%	4.958%
19	19.336	19.290	19.370	BV	87533	1271955	78.03%	4.105%
20	20.077	20.017	20.110	BV	78042	1134201	69.58%	3.660%
21	20.811	20.735	20.867	BB	60857	1058377	64.93%	3.416%
22	21.723	21.635	21.772	BV	43221	1078068	66.14%	3.479%
Sum of corrected areas:						30985567		

Aliphatic EPH 050124.M Thu May 02 09:10:40 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC050124AL\
 Data File : FC066280.D
 Signal(s) : FID1A.ch
 Acq On : 01 May 2024 18:36
 Operator : YP/AJ
 Sample : 5 PPM ALIPHATIC HC STD5
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 5 PPM ALIPHATIC HC STD5

Integration File: autoint1.e
 Quant Time: May 02 09:03:02 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 050124.M
 Quant Title : GC Extractables
 QLast Update : Thu May 02 08:48:13 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)	11.561	798278	4.828 ug/ml
Spiked Amount 50.000		Recovery =	9.66%
12) S 1-chlorooctadecane (S...	13.000	602830	4.915 ug/ml
Spiked Amount 50.000		Recovery =	9.83%
Target Compounds			
1) T n-Nonane (C9)	3.323	722979	4.787 ug/ml
2) T n-Decane (C10)	4.388	733841	4.772 ug/ml
3) T A~Naphthalene (C11.7)	5.969	811628	4.777 ug/ml
4) T n-Dodecane (C12)	6.406	737847	4.801 ug/ml
5) T A~2-methylnaphthalene...	7.025	788449	4.784 ug/ml
6) T n-Tetradecane (C14)	8.202	758599	5.013 ug/ml
7) T n-Hexadecane (C16)	9.803	737709	4.825 ug/ml
8) T n-Octadecane (C18)	11.246	738042	4.862 ug/ml
10) T n-Eicosane (C20)	12.557	702500	4.883 ug/ml
11) T n-Heneicosane (C21)	13.169	693816	4.936 ug/ml
13) T n-Docosane (C22)	13.755	686727	4.905 ug/ml
14) T n-Tetracosane (C24)	14.859	687160	4.881 ug/ml
15) T n-Hexacosane (C26)	15.879	656568	4.800 ug/ml
16) T n-Octacosane (C28)	16.831	633049	4.727 ug/ml
17) T n-Tricontane (C30)	17.718	637011	4.727 ug/ml
18) T n-Dotriacontane (C32)	18.551	615654	4.782 ug/ml
19) T n-Tetratriacontane (C34)	19.335	573589	4.848 ug/ml
20) T n-Hexatriacontane (C36)	20.075	529688	4.608 ug/ml
21) T n-Octatriacontane (C38)	20.809	527218	4.898 ug/ml
22) T n-Tetracontane (C40)	21.723	518812	4.838 ug/ml

(f)=RT Delta > 1/2 Window

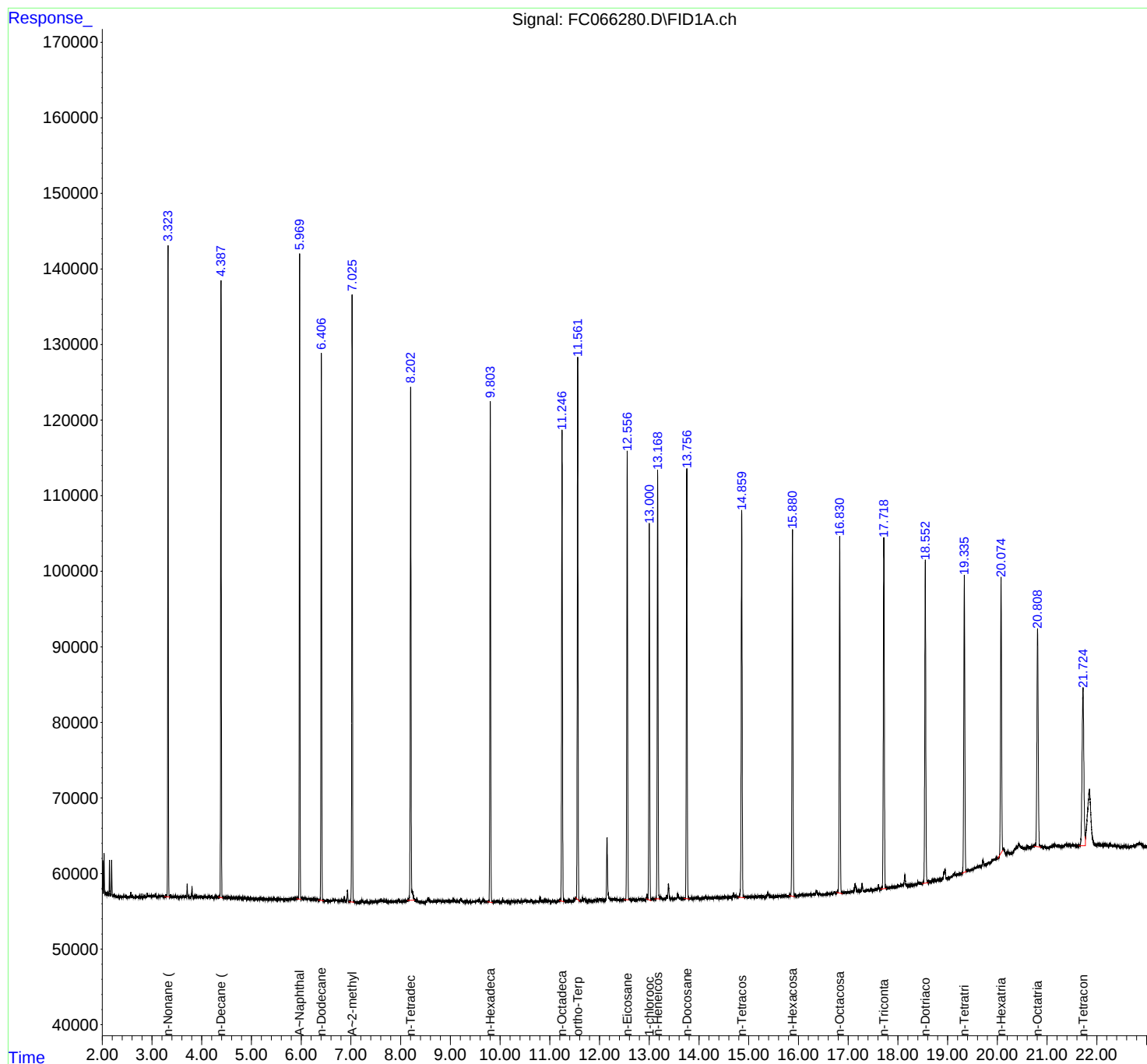
(m)=manual int.

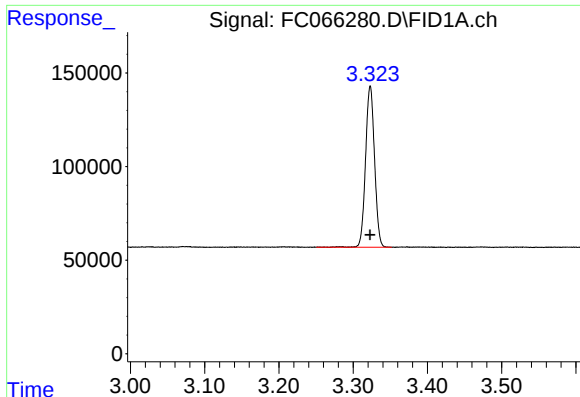
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC050124AL\
Data File : FC066280.D
Signal(s) : FID1A.ch
Acq On : 01 May 2024 18:36
Operator : YP/AJ
Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5

Integration File: autoint1.e
Quant Time: May 02 09:03:02 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 050124.M
Quant Title : GC Extractables
QLast Update : Thu May 02 08:48:13 2024
Response via : Initial Calibration
Integrator: ChemStation

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

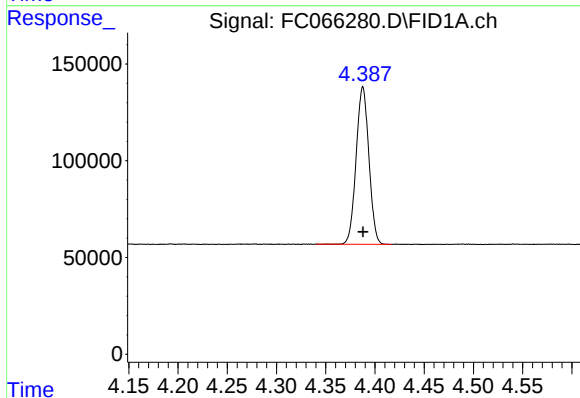




#1 n-Nonane (C9)

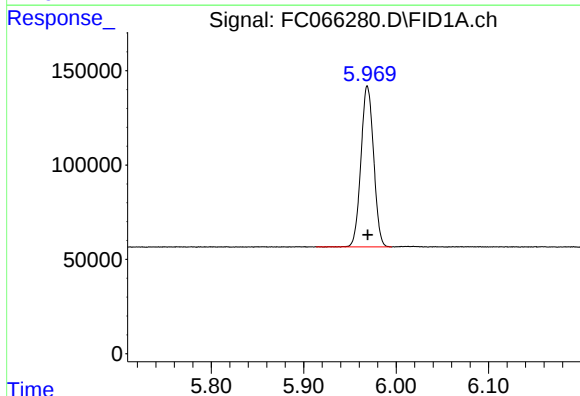
R.T.: 3.323 min
Delta R.T.: 0.000 min
Response: 722979
Conc: 4.79 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



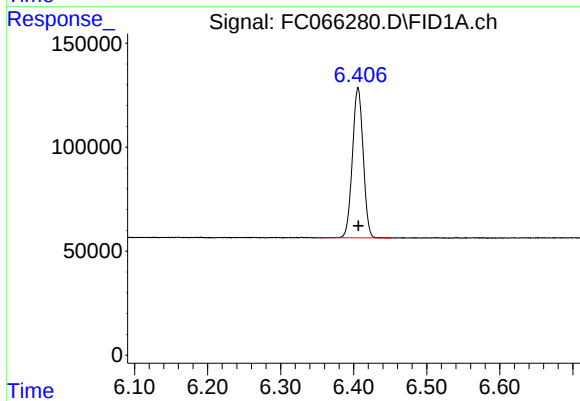
#2 n-Decane (C10)

R.T.: 4.388 min
Delta R.T.: 0.000 min
Response: 733841
Conc: 4.77 ug/ml



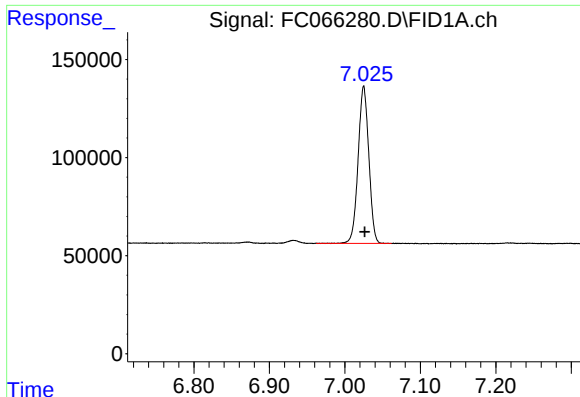
#3 A~Naphthalene (C11.7)

R.T.: 5.969 min
Delta R.T.: 0.000 min
Response: 811628
Conc: 4.78 ug/ml



#4 n-Dodecane (C12)

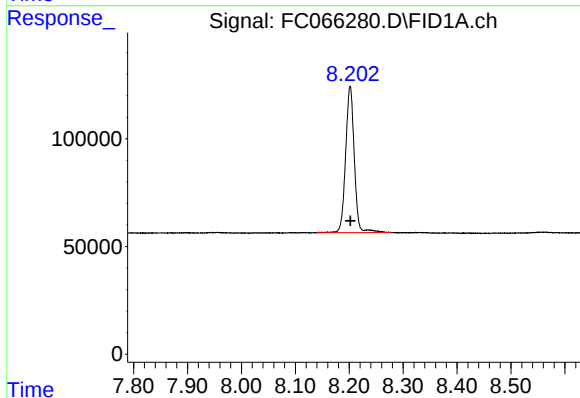
R.T.: 6.406 min
Delta R.T.: 0.000 min
Response: 737847
Conc: 4.80 ug/ml



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

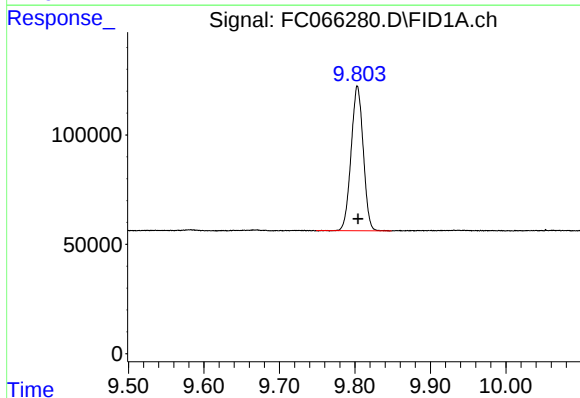
R.T.: 7.025 min
Delta R.T.: -0.001 min
Response: 788449
Conc: 4.78 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



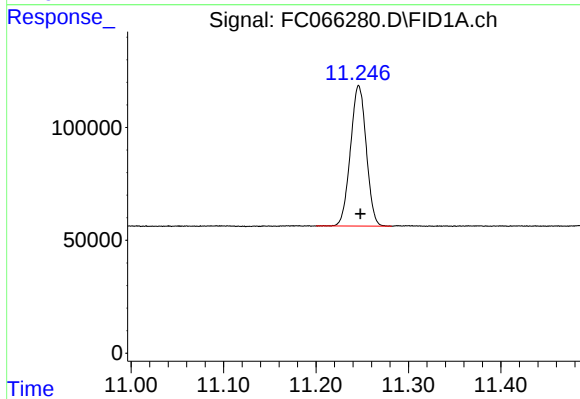
#6 n-Tetradecane (C14)

R.T.: 8.202 min
Delta R.T.: 0.000 min
Response: 758599
Conc: 5.01 ug/ml



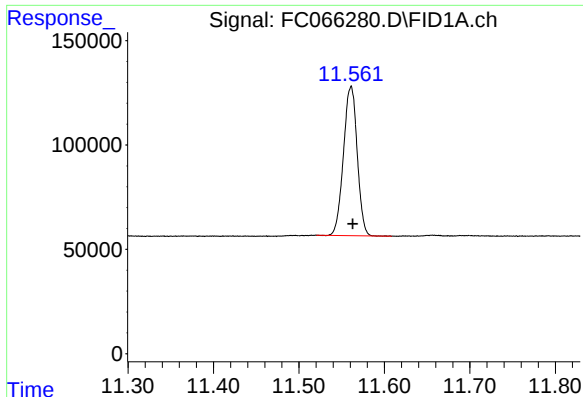
#7 n-Hexadecane (C16)

R.T.: 9.803 min
Delta R.T.: 0.000 min
Response: 737709
Conc: 4.82 ug/ml



#8 n-Octadecane (C18)

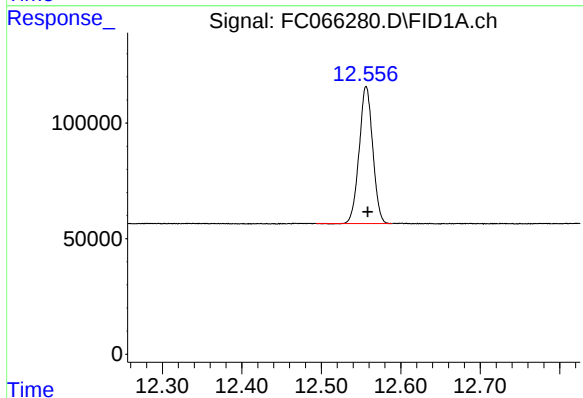
R.T.: 11.246 min
Delta R.T.: -0.002 min
Response: 738042
Conc: 4.86 ug/ml



#9 ortho-Terphenyl (SURR)

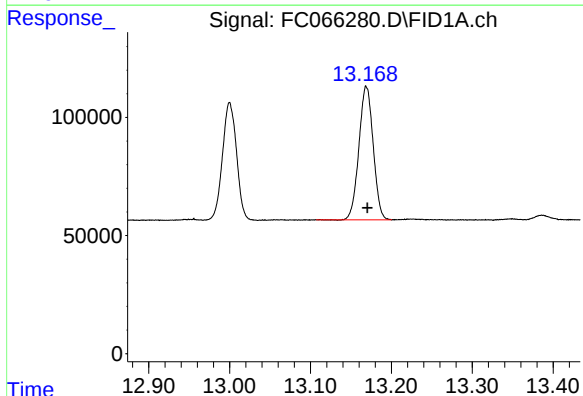
R.T.: 11.561 min
Delta R.T.: -0.002 min
Response: 798278
Conc: 4.83 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



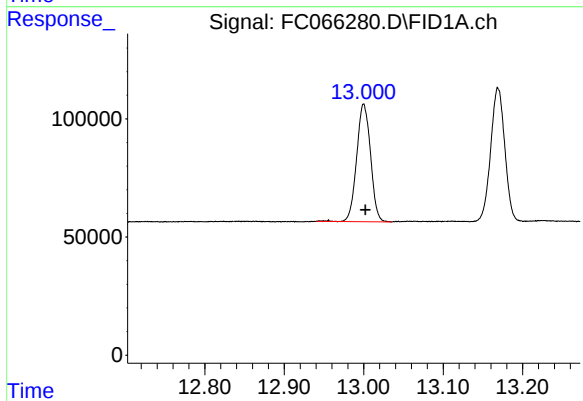
#10 n-Eicosane (C20)

R.T.: 12.557 min
Delta R.T.: -0.002 min
Response: 702500
Conc: 4.88 ug/ml



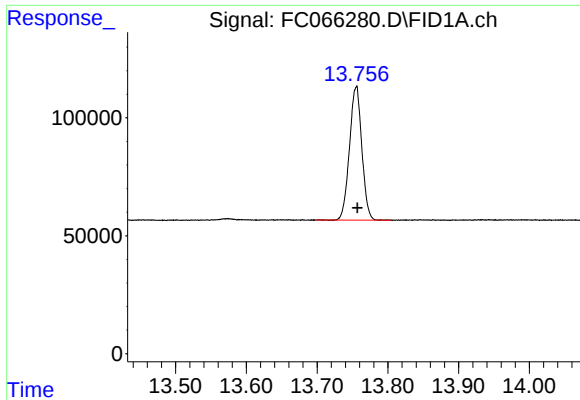
#11 n-Heneicosane (C21)

R.T.: 13.169 min
Delta R.T.: -0.001 min
Response: 693816
Conc: 4.94 ug/ml



#12 1-chlorooctadecane (SURR)

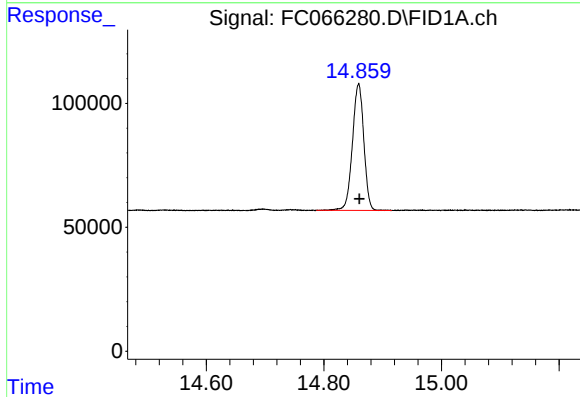
R.T.: 13.000 min
Delta R.T.: -0.002 min
Response: 602830
Conc: 4.91 ug/ml



#13 n-Docosane (C22)

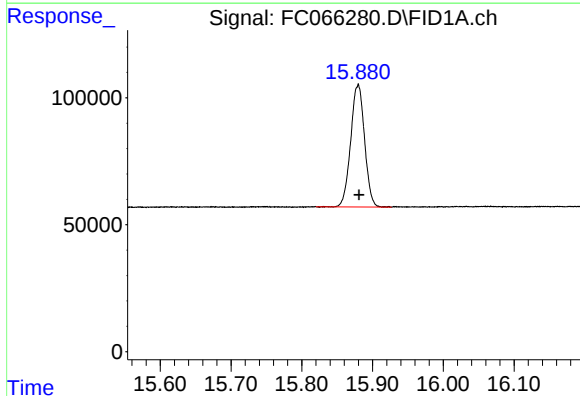
R.T.: 13.755 min
Delta R.T.: -0.002 min
Response: 686727
Conc: 4.90 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



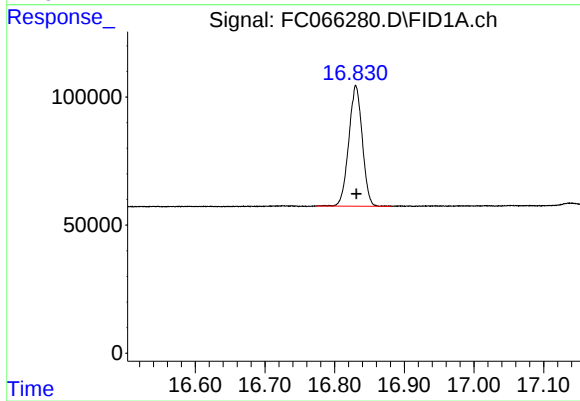
#14 n-Tetracosane (C24)

R.T.: 14.859 min
Delta R.T.: -0.001 min
Response: 687160
Conc: 4.88 ug/ml



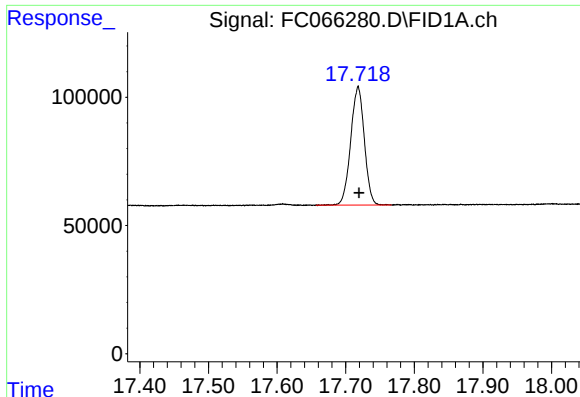
#15 n-Hexacosane (C26)

R.T.: 15.879 min
Delta R.T.: -0.002 min
Response: 656568
Conc: 4.80 ug/ml



#16 n-Octacosane (C28)

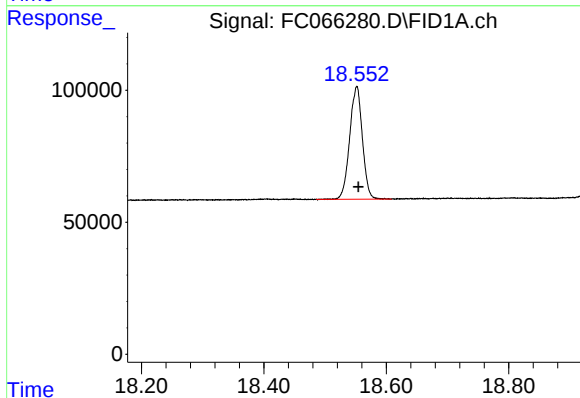
R.T.: 16.831 min
Delta R.T.: 0.000 min
Response: 633049
Conc: 4.73 ug/ml



#17 n-Tricontane (C30)

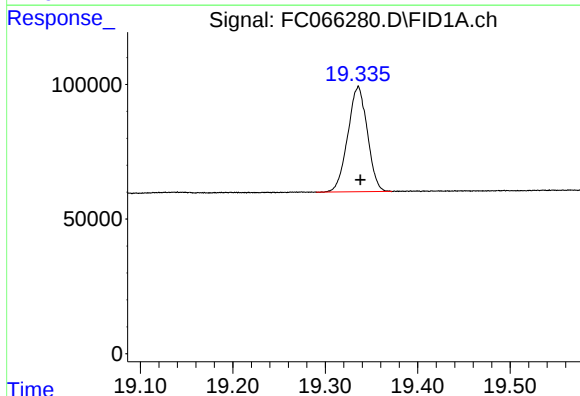
R.T.: 17.718 min
Delta R.T.: -0.002 min
Response: 637011
Conc: 4.73 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



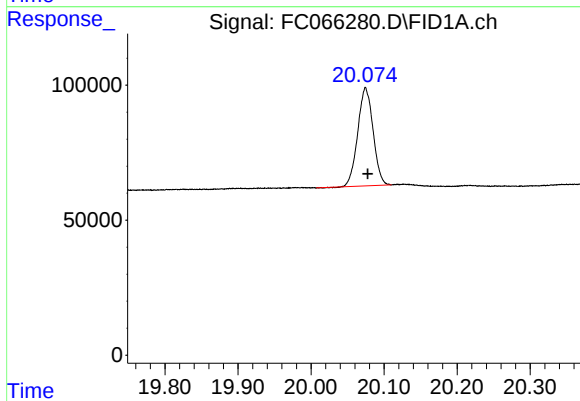
#18 n-Dotriacontane (C32)

R.T.: 18.551 min
Delta R.T.: -0.003 min
Response: 615654
Conc: 4.78 ug/ml



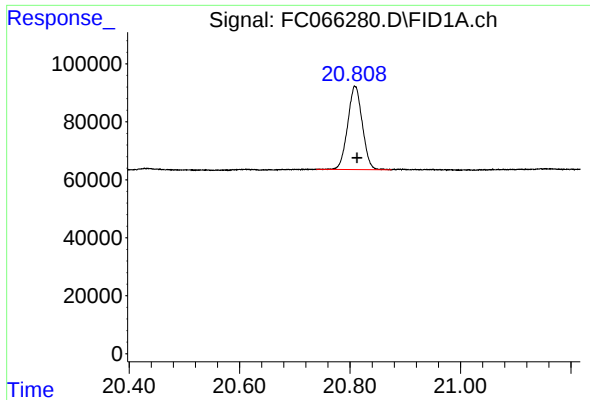
#19 n-Tetratriacontane (C34)

R.T.: 19.335 min
Delta R.T.: -0.002 min
Response: 573589
Conc: 4.85 ug/ml



#20 n-Hexatriacontane (C36)

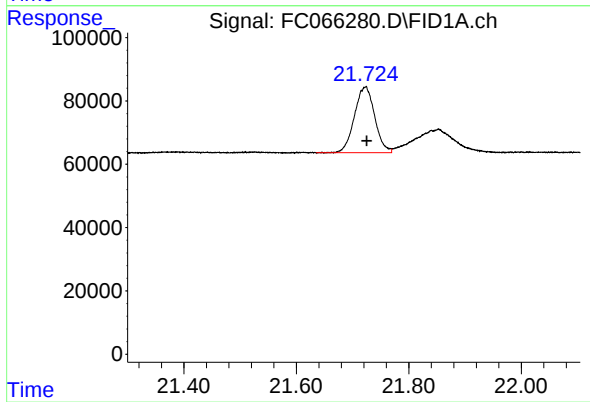
R.T.: 20.075 min
Delta R.T.: -0.003 min
Response: 529688
Conc: 4.61 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.809 min
Delta R.T.: -0.004 min
Response: 527218
Conc: 4.90 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



#22 n-Tetracontane (C40)

R.T.: 21.723 min
Delta R.T.: -0.003 min
Response: 518812
Conc: 4.84 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC050124AL\
Data File : FC066280.D
Signal(s) : FID1A.ch
Acq On : 01 May 2024 18:36
Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 13 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 050124.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	3.323	3.250	3.352	BB	86385	722979	89.08%	4.855%
2	4.388	4.340	4.417	BB	81564	733841	90.42%	4.928%
3	5.969	5.914	5.995	BB	85366	811628	100.00%	5.450%
4	6.406	6.349	6.452	BB	72081	737847	90.91%	4.955%
5	7.025	6.962	7.062	BB	80381	788449	97.14%	5.294%
6	8.202	8.139	8.279	BB	68039	758599	93.47%	5.094%
7	9.803	9.749	9.849	BB	66133	737709	90.89%	4.954%
8	11.246	11.200	11.282	BB	62194	738042	90.93%	4.956%
9	11.561	11.520	11.609	BB	71079	798278	98.36%	5.360%
10	12.557	12.494	12.589	BB	59238	702500	86.55%	4.717%
11	13.000	12.940	13.035	BB	49743	602830	74.27%	4.048%
12	13.169	13.107	13.200	BB	56619	693816	85.48%	4.659%
13	13.755	13.699	13.805	BB	56506	686727	84.61%	4.611%
14	14.859	14.787	14.915	BB	50921	687160	84.66%	4.614%
15	15.879	15.820	15.927	BB	48571	656568	80.90%	4.409%
16	16.831	16.774	16.882	BB	47186	633049	78.00%	4.251%
17	17.718	17.657	17.767	BB	46439	637011	78.49%	4.278%
18	18.551	18.485	18.609	BB	42778	615654	75.85%	4.134%
19	19.335	19.290	19.372	BB	38925	573589	70.67%	3.852%
20	20.075	20.007	20.110	BB	36323	529688	65.26%	3.557%
21	20.809	20.739	20.875	BB	28746	527218	64.96%	3.540%
22	21.723	21.635	21.769	BV	20629	518812	63.92%	3.484%

Sum of corrected areas: 14891994

Aliphatic EPH 050124.M Thu May 02 09:10:58 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC050124AL\
 Data File : FC066281.D
 Signal(s) : FID1A.ch
 Acq On : 01 May 2024 19:18
 Operator : YP/AJ
 Sample : 20 PPM ALIPHATIC HC STD ICV
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 20 PPM ALIPHATIC HC STD ICV

Integration File: autoint1.e
 Quant Time: May 02 09:04:32 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 050124.M
 Quant Title : GC Extractables
 QLast Update : Thu May 02 09:03:15 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)	11.562	3415658	20.659 ug/ml
Spiked Amount 50.000		Recovery =	41.32%
12) S 1-chlorooctadecane (S...	13.001	2553070	20.814 ug/ml
Spiked Amount 50.000		Recovery =	41.63%
Target Compounds			
1) T n-Nonane (C9)	3.323	3081135	20.401 ug/ml
2) T n-Decane (C10)	4.388	3127417	20.336 ug/ml
3) T A~Naphthalene (C11.7)	5.970	3461598	20.375 ug/ml
4) T n-Dodecane (C12)	6.407	3122358	20.317 ug/ml
5) T A~2-methylnaphthalene...	7.026	3352461	20.341 ug/ml
6) T n-Tetradecane (C14)	8.202	3104162	20.511 ug/ml
7) T n-Hexadecane (C16)	9.805	3143496	20.558 ug/ml
8) T n-Octadecane (C18)	11.248	3141056	20.693 ug/ml
10) T n-Eicosane (C20)	12.557	2998199	20.842 ug/ml
11) T n-Heneicosane (C21)	13.170	2926066	20.816 ug/ml
13) T n-Docosane (C22)	13.756	2910806	20.791 ug/ml
14) T n-Tetracosane (C24)	14.859	2903129	20.622 ug/ml
15) T n-Hexacosane (C26)	15.881	2816662	20.592 ug/ml
16) T n-Octacosane (C28)	16.831	2768520	20.673 ug/ml
17) T n-Tricontane (C30)	17.720	2796362	20.750 ug/ml
18) T n-Dotriacontane (C32)	18.552	2689580	20.889 ug/ml
19) T n-Tetratriacontane (C34)	19.336	2493523	21.075 ug/ml
20) T n-Hexatriacontane (C36)	20.076	2318719	20.173 ug/ml
21) T n-Octatriacontane (C38)	20.813	2241132	20.822 ug/ml
22) T n-Tetracontane (C40)	21.723	2207597	20.587 ug/ml

(f)=RT Delta > 1/2 Window

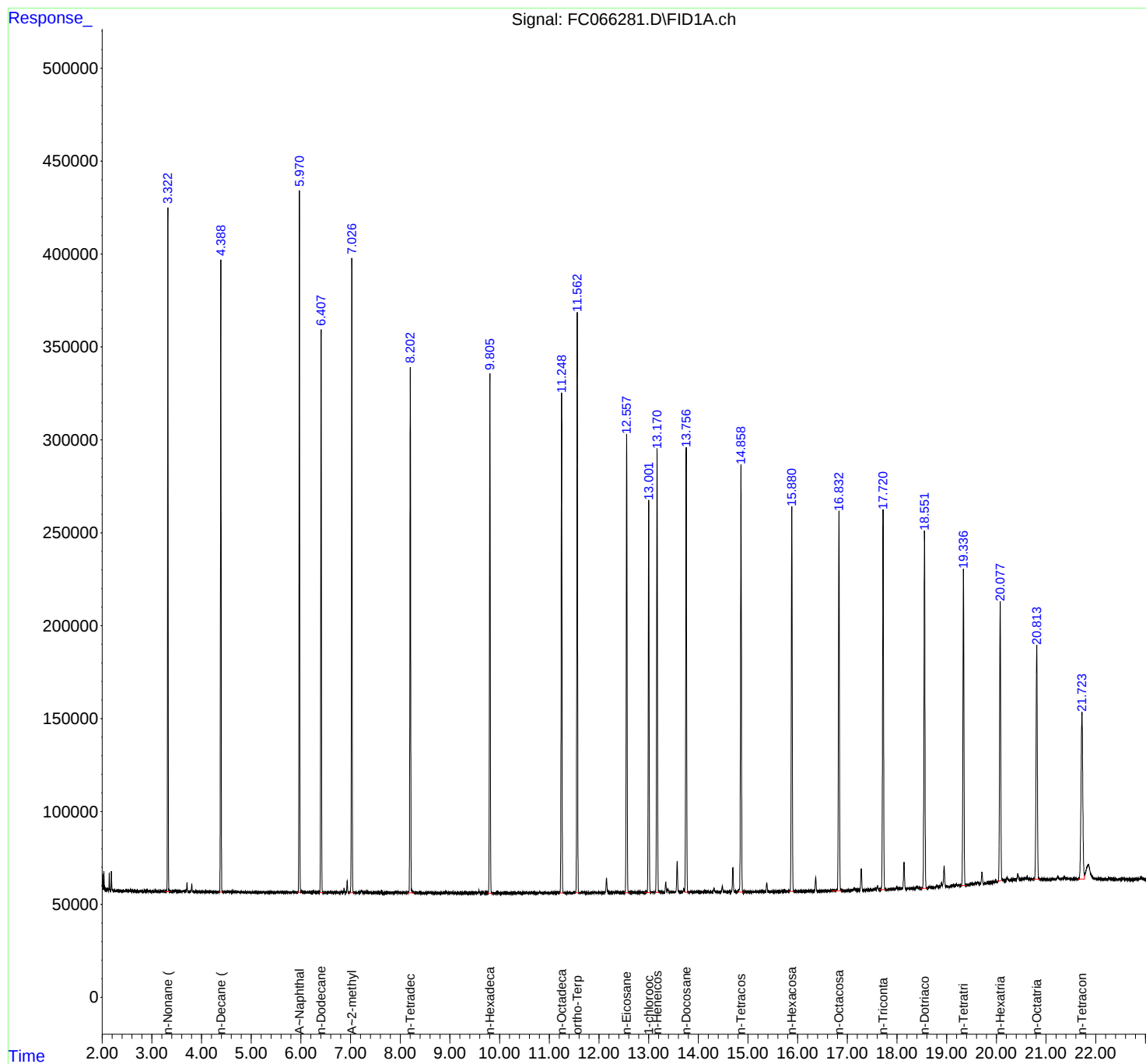
(m)=manual int.

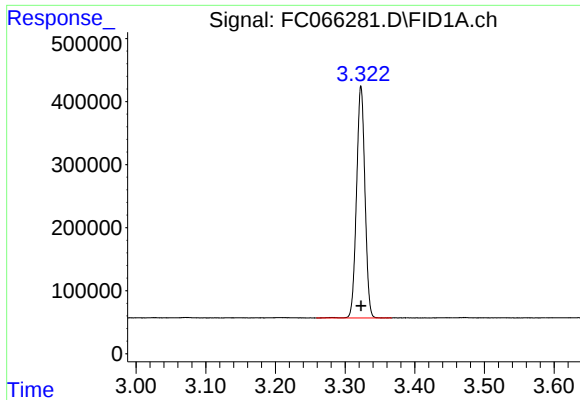
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC050124AL\
Data File : FC066281.D
Signal(s) : FID1A.ch
Acq On : 01 May 2024 19:18
Operator : YP/AJ
Sample : 20 PPM ALIPHATIC HC STD ICV
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV

Integration File: autoint1.e
Quant Time: May 02 09:04:32 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 050124.M
Quant Title : GC Extractables
QLast Update : Thu May 02 09:03:15 2024
Response via : Initial Calibration
Integrator: ChemStation

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

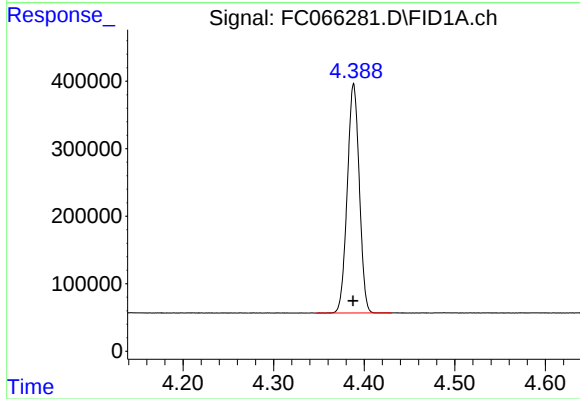




#1 n-Nonane (C9)

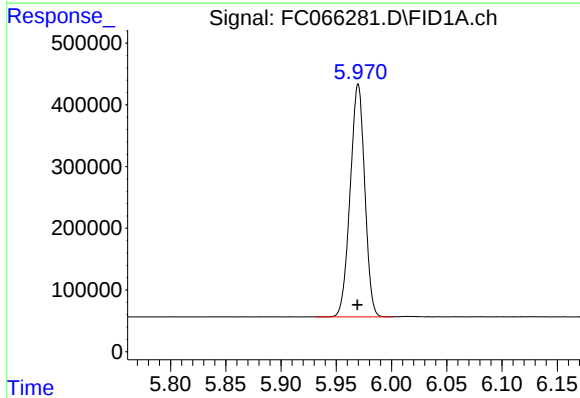
R.T.: 3.323 min
Delta R.T.: 0.000 min
Response: 3081135
Conc: 20.40 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



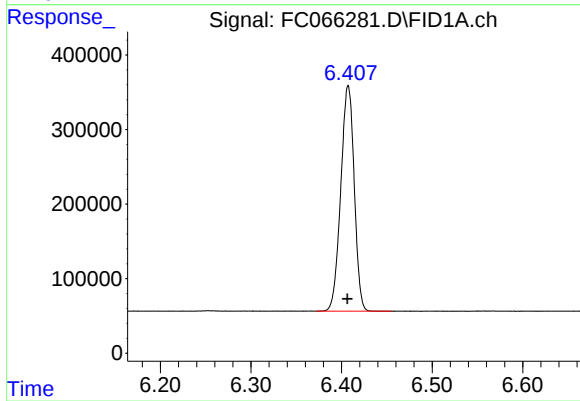
#2 n-Decane (C10)

R.T.: 4.388 min
Delta R.T.: 0.000 min
Response: 3127417
Conc: 20.34 ug/ml



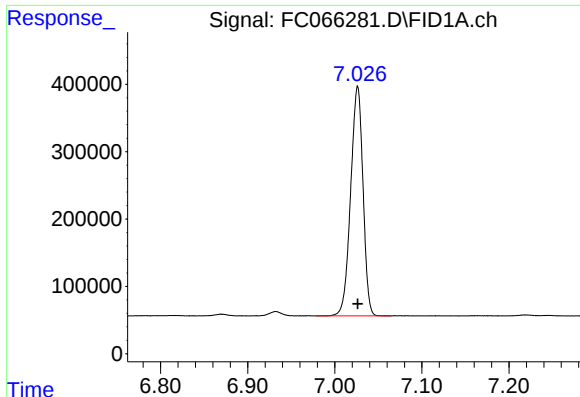
#3 A~Naphthalene (C11.7)

R.T.: 5.970 min
Delta R.T.: 0.000 min
Response: 3461598
Conc: 20.37 ug/ml



#4 n-Dodecane (C12)

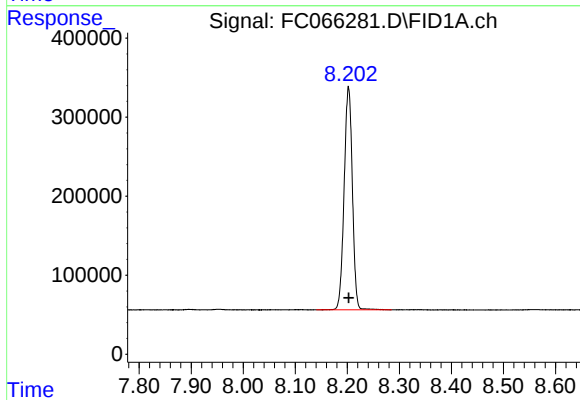
R.T.: 6.407 min
Delta R.T.: 0.000 min
Response: 3122358
Conc: 20.32 ug/ml



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

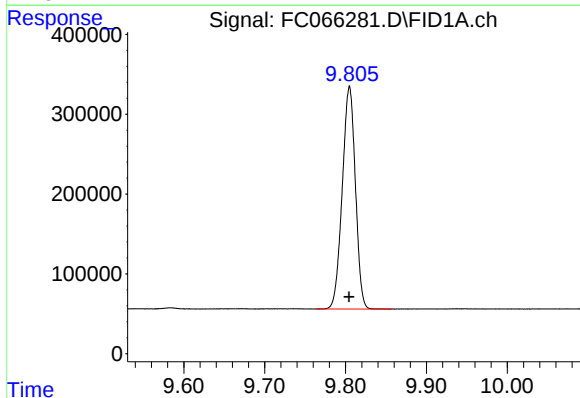
R.T.: 7.026 min
Delta R.T.: 0.000 min
Response: 3352461
Conc: 20.34 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



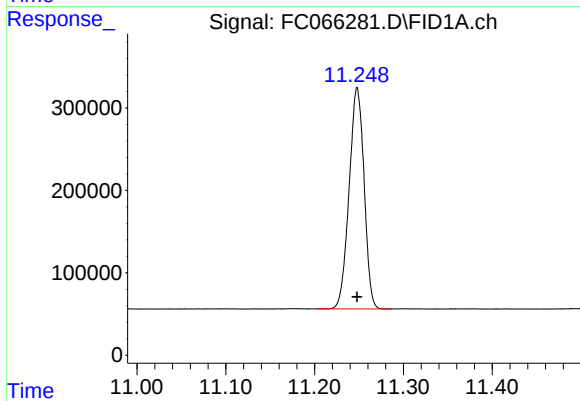
#6 n-Tetradecane (C14)

R.T.: 8.202 min
Delta R.T.: 0.000 min
Response: 3104162
Conc: 20.51 ug/ml



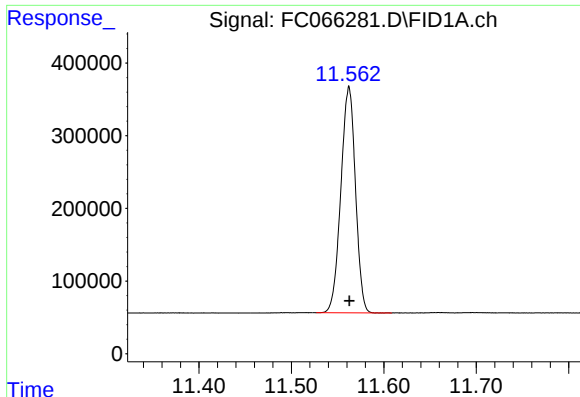
#7 n-Hexadecane (C16)

R.T.: 9.805 min
Delta R.T.: 0.000 min
Response: 3143496
Conc: 20.56 ug/ml



#8 n-Octadecane (C18)

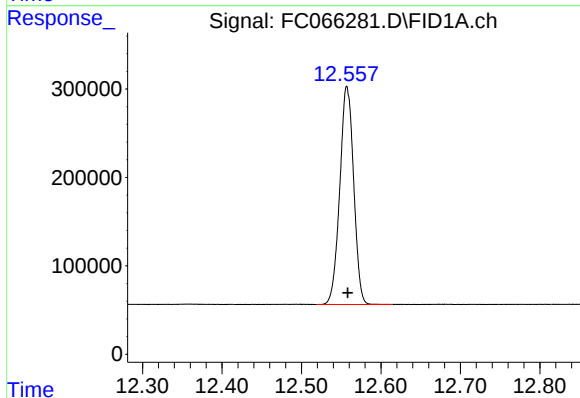
R.T.: 11.248 min
Delta R.T.: 0.000 min
Response: 3141056
Conc: 20.69 ug/ml



#9 ortho-Terphenyl (SURR)

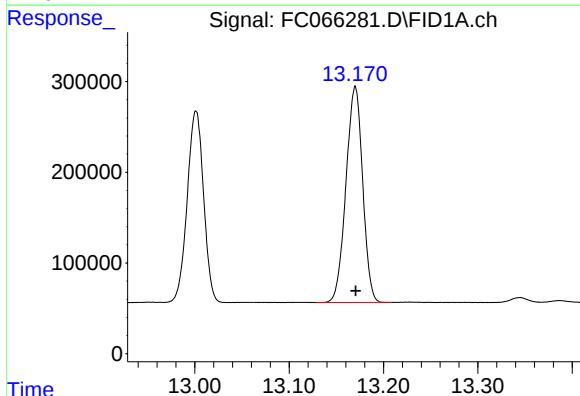
R.T.: 11.562 min
Delta R.T.: 0.000 min
Response: 3415658
Conc: 20.66 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



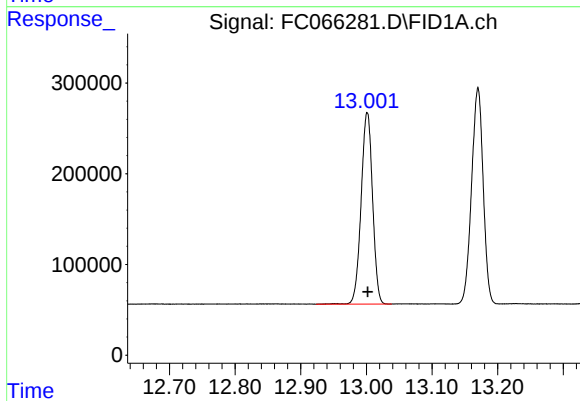
#10 n-Eicosane (C20)

R.T.: 12.557 min
Delta R.T.: 0.000 min
Response: 2998199
Conc: 20.84 ug/ml



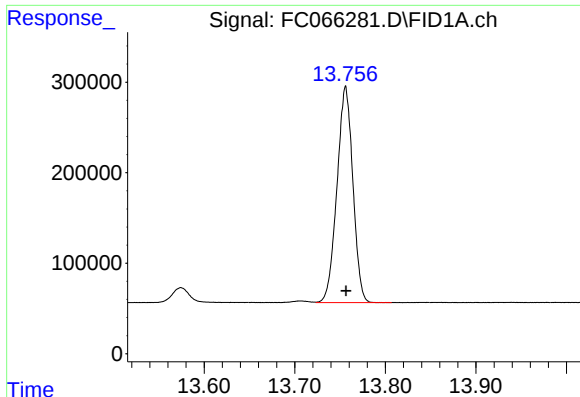
#11 n-Heneicosane (C21)

R.T.: 13.170 min
Delta R.T.: 0.000 min
Response: 2926066
Conc: 20.82 ug/ml



#12 1-chlorooctadecane (SURR)

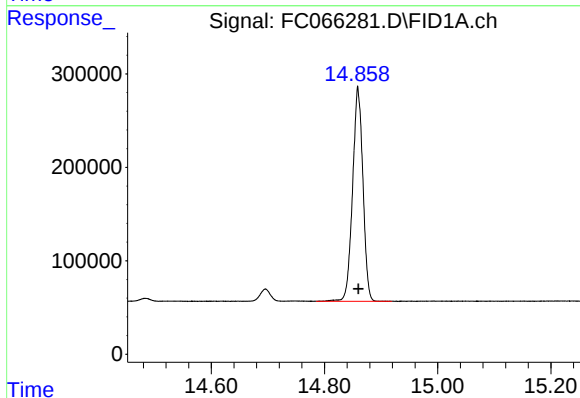
R.T.: 13.001 min
Delta R.T.: 0.000 min
Response: 2553070
Conc: 20.81 ug/ml



#13 n-Docosane (C22)

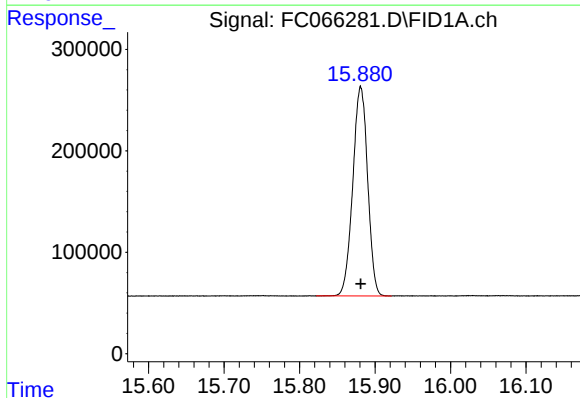
R.T.: 13.756 min
Delta R.T.: 0.000 min
Response: 2910806
Conc: 20.79 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



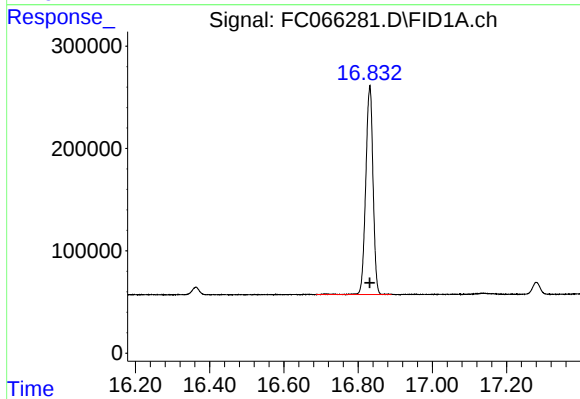
#14 n-Tetracosane (C24)

R.T.: 14.859 min
Delta R.T.: 0.000 min
Response: 2903129
Conc: 20.62 ug/ml



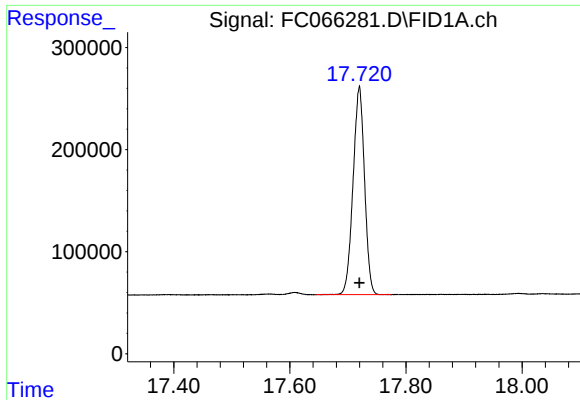
#15 n-Hexacosane (C26)

R.T.: 15.881 min
Delta R.T.: 0.000 min
Response: 2816662
Conc: 20.59 ug/ml



#16 n-Octacosane (C28)

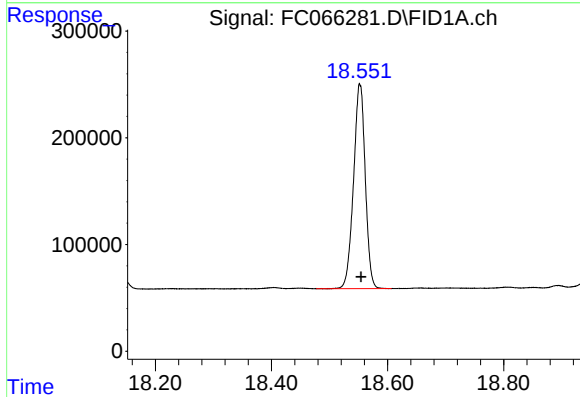
R.T.: 16.831 min
Delta R.T.: 0.000 min
Response: 2768520
Conc: 20.67 ug/ml



#17 n-Tricontane (C30)

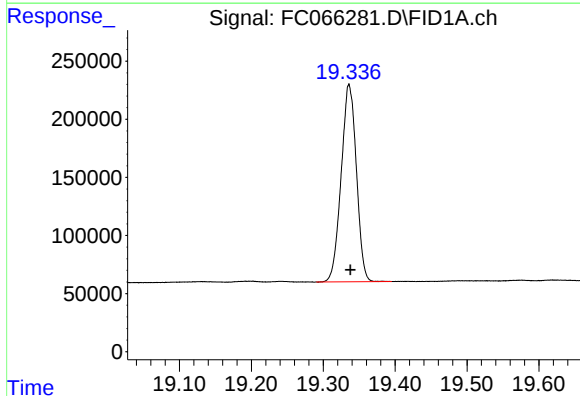
R.T.: 17.720 min
Delta R.T.: 0.000 min
Response: 2796362
Conc: 20.75 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



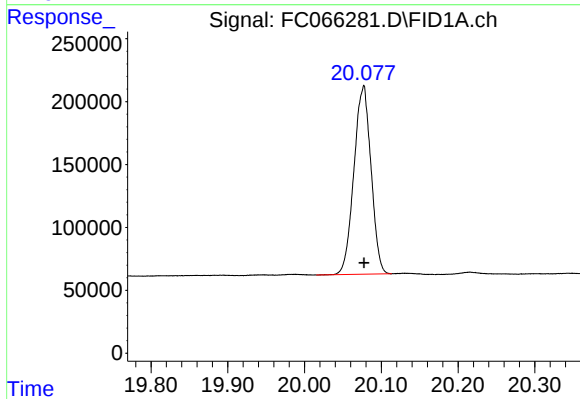
#18 n-Dotriacontane (C32)

R.T.: 18.552 min
Delta R.T.: -0.002 min
Response: 2689580
Conc: 20.89 ug/ml



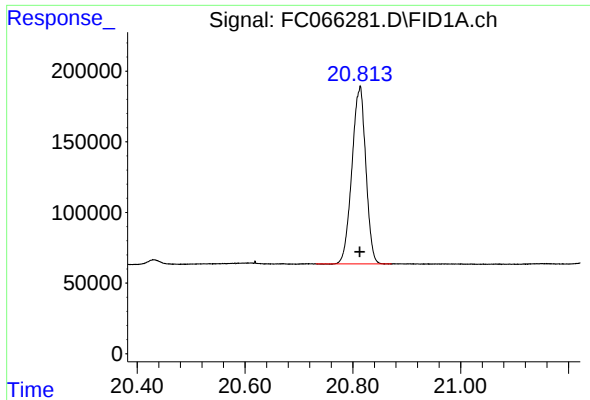
#19 n-Tetratriacontane (C34)

R.T.: 19.336 min
Delta R.T.: -0.002 min
Response: 2493523
Conc: 21.08 ug/ml



#20 n-Hexatriacontane (C36)

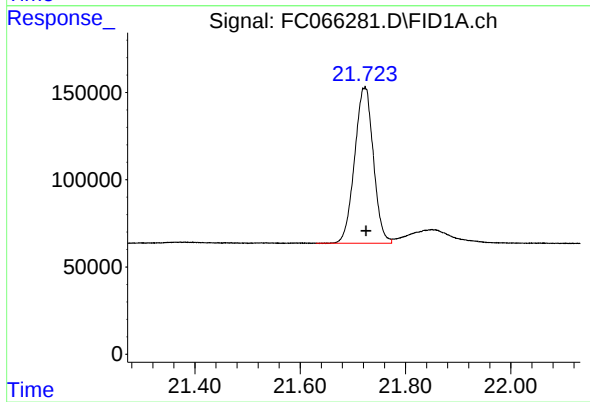
R.T.: 20.076 min
Delta R.T.: -0.001 min
Response: 2318719
Conc: 20.17 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.813 min
Delta R.T.: 0.000 min
Response: 2241132
Conc: 20.82 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



#22 n-Tetracontane (C40)

R.T.: 21.723 min
Delta R.T.: -0.002 min
Response: 2207597
Conc: 20.59 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC050124AL\
Data File : FC066281.D
Signal(s) : FID1A.ch
Acq On : 01 May 2024 19:18
Sample : 20 PPM ALIPHATIC HC STD ICV
Misc :
ALS Vial : 11 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 050124.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	3.323	3.259	3.367	BB	366988	3081135	89.01%	4.847%
2	4.388	4.347	4.430	BB	339315	3127417	90.35%	4.919%
3	5.970	5.932	6.000	BV	378190	3461598	100.00%	5.445%
4	6.407	6.372	6.455	BB	302779	3122358	90.20%	4.911%
5	7.026	6.979	7.065	BB	342400	3352461	96.85%	5.273%
6	8.202	8.140	8.285	BB	282475	3104162	89.67%	4.883%
7	9.805	9.764	9.857	BB	280037	3143496	90.81%	4.945%
8	11.248	11.202	11.287	BB	268305	3141056	90.74%	4.941%
9	11.562	11.527	11.609	BB	310560	3415658	98.67%	5.373%
10	12.557	12.519	12.614	BB	246390	2998199	86.61%	4.716%
11	13.001	12.924	13.039	BB	211109	2553070	73.75%	4.016%
12	13.170	13.129	13.209	BB	238853	2926066	84.53%	4.603%
13	13.756	13.724	13.807	VB	239016	2910806	84.09%	4.579%
14	14.859	14.785	14.919	BB	228584	2903129	83.87%	4.567%
15	15.881	15.822	15.922	BB	206421	2816662	81.37%	4.431%
16	16.831	16.687	16.890	BB	205047	2768520	79.98%	4.355%
17	17.720	17.645	17.775	BB	205004	2796362	80.78%	4.399%
18	18.552	18.477	18.607	BB	191895	2689580	77.70%	4.231%
19	19.336	19.290	19.395	BB	169018	2493523	72.03%	3.922%
20	20.076	20.015	20.114	BV	149898	2318719	66.98%	3.647%
21	20.813	20.732	20.872	BB	126129	2241132	64.74%	3.525%
22	21.723	21.630	21.774	BV	88837	2207597	63.77%	3.473%
Sum of corrected areas:						63572702		

Aliphatic EPH 050124.M Thu May 02 09:11:37 2024