

Initial Calibration Report for SequenceID : FC040523AL

AreaCount

Parameter Range	FC063295.D	FC063296.D	FC063297.D	FC063298.D	FC063299.D	
Aliphatic C9-C12	39749618.000	20469922.000	8288824.000	4090667.000	2127874.000	
Aliphatic C12-C16	26328201.000	13475530.000	5470921.000	2677431.000	1408888.000	
Aliphatic C16-C21	38925785.000	19937785.000	8143791.000	4070838.000	2174854.000	
Aliphatic C21-C28	51339753.000	26607865.000	10622335.000	5376318.000	2855090.000	
Aliphatic C28-C40	73854562.000	38451306.000	15571586.000	7836980.000	4304326.000	
Aliphatic EPH	230197919.000	118942408.000	48097457.000	24052234.000	12871032.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aliphatic C9-C12	137065.154666	2.47				
Aliphatic C12-C16	135585.936	2.574				
Aliphatic C16-C21	135817.1799996	4.187				
Aliphatic C21-C28	134266.069	3.92				
Aliphatic C28-C40	131023.8079996	5.761				
Aliphatic EPH	134056.9999996	4.124				

Concentration

Parameter Range	FC063295.D	FC063296.D	FC063297.D	FC063298.D	FC063299.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	FC063295.D	FC063296.D	FC063297.D	FC063298.D	FC063299.D	
Aliphatic C9-C12	132498.726666	136466.146666	138147.066666	136355.566666	141858.266666	
Aliphatic C12-C16	131641.005000	134755.300000	136773.025000	133871.550000	140888.800000	
Aliphatic C16-C21	129752.616666	132918.566666	135729.850000	135694.600000	144990.266666	
Aliphatic C21-C28	128349.382500	133039.325000	132779.187500	134407.950000	142754.500000	
Aliphatic C28-C40	123090.936666	128171.020000	129763.216666	130616.333333	143477.533333	



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

Initial Calibration Report for SequenceID : FC040523AL

Aliphatic EPH	127887.732777	132158.231111	133604.047222	133623.522222	143011.466666	
---------------	---------------	---------------	---------------	---------------	---------------	--

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040523AL\
 Data File : FC063295.D
 Signal(s) : FID1A.ch
 Acq On : 05 Apr 2023 03:19
 Operator : YP/AJ
 Sample : 100 PPM ALIPHATIC HC STD1
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 100 PPM ALIPHATIC HC STD1

Integration File: autoint1.e
 Quant Time: Apr 05 06:17:30 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040523.M
 Quant Title : GC Extractables
 QLast Update : Wed Apr 05 06:14:54 2023
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.539	14518307	97.832 ug/ml
Spiked Amount 50.000		Recovery =	195.66%
12) S 1-chlorooctadecane (S...	12.974	10914146	99.002 ug/ml
Spiked Amount 50.000		Recovery =	198.00%
Target Compounds			
1) T n-Nonane (C9)	3.303	13387764	97.486 ug/ml
2) T n-Decane (C10)	4.369	13185524	97.895 ug/ml
3) T A~Naphthalene (C11.7)	5.952	15043024	99.465 ug/ml
4) T n-Dodecane (C12)	6.388	13176330	98.369 ug/ml
5) T A~2-methylnaphthalene...	7.010	14023630	99.915 ug/ml
6) T n-Tetradecane (C14)	8.183	13113176	98.013 ug/ml
7) T n-Hexadecane (C16)	9.783	13215025	98.163 ug/ml
8) T n-Octadecane (C18)	11.225	13261778	97.784 ug/ml
10) T n-Eicosane (C20)	12.531	12823460	97.769 ug/ml
11) T n-Heneicosane (C21)	13.142	12840547	97.692 ug/ml
13) T n-Docosane (C22)	13.726	12792937	98.155 ug/ml
14) T n-Tetracosane (C24)	14.826	12919565	98.552 ug/ml
15) T n-Hexacosane (C26)	15.846	12793564	98.339 ug/ml
16) T n-Octacosane (C28)	16.793	12833687	98.168 ug/ml
17) T n-Tricontane (C30)	17.679	12797792	97.027 ug/ml
18) T n-Dotriacontane (C32)	18.508	12900653	96.359 ug/ml
19) T n-Tetratriacontane (C34)	19.289	12712292	96.437 ug/ml
20) T n-Hexatriacontane (C36)	20.025	12056675	97.406 ug/ml
21) T n-Octatriacontane (C38)	20.754	11898550	98.445 ug/ml
22) T n-Tetracontane (C40)	21.650	11488600	98.768 ug/ml

(f)=RT Delta > 1/2 Window

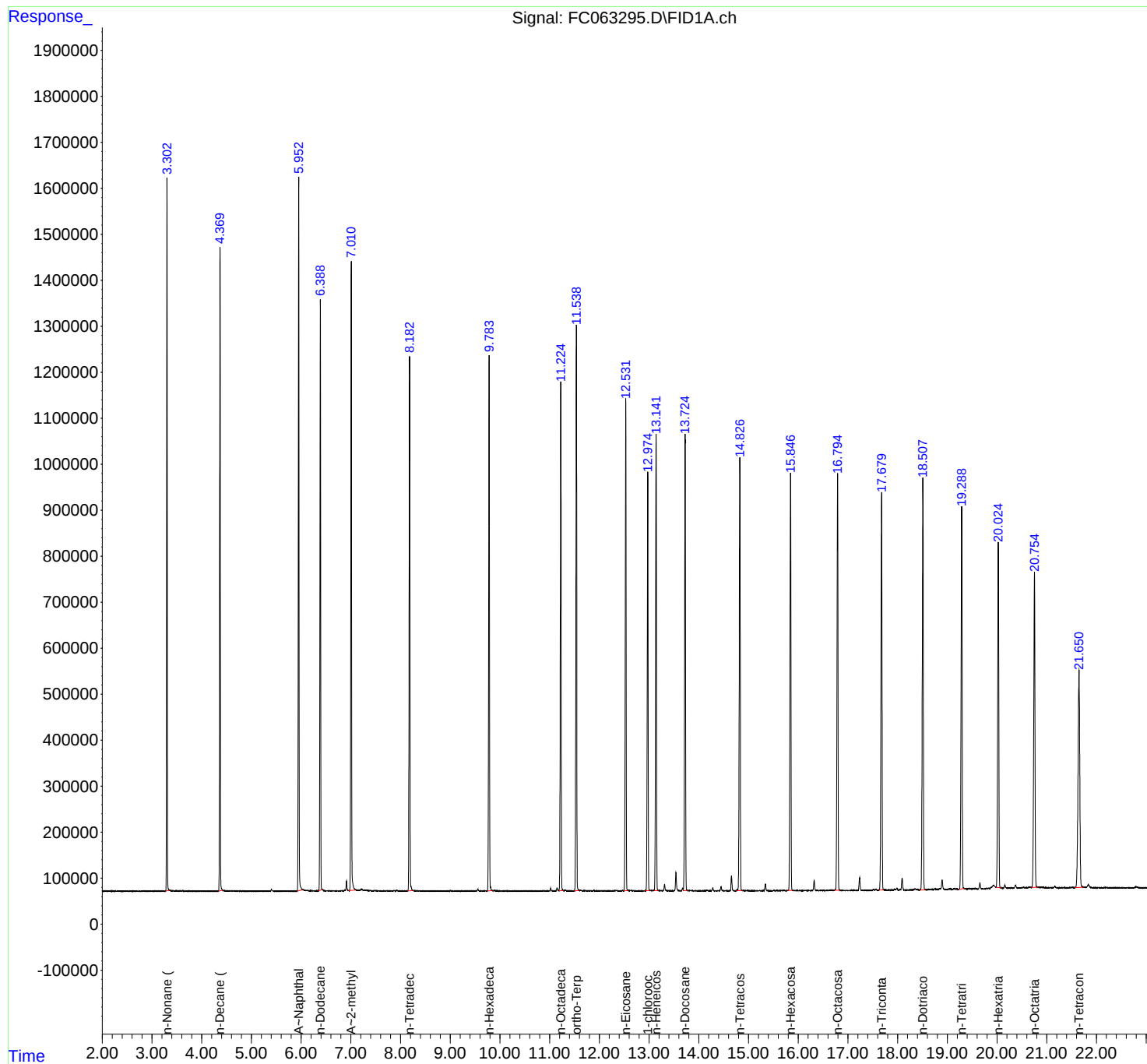
(m)=manual int.

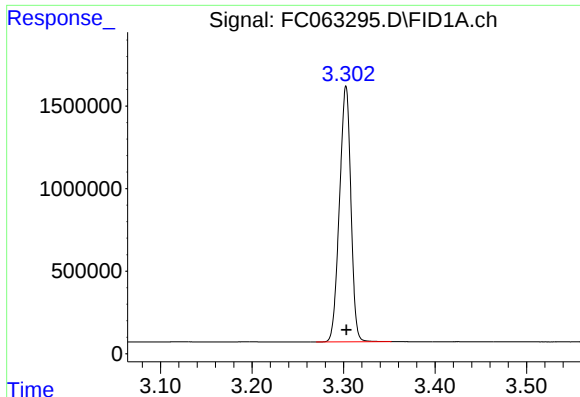
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040523AL\
Data File : FC063295.D
Signal(s) : FID1A.ch
Acq On : 05 Apr 2023 03:19
Operator : YP/AJ
Sample : 100 PPM ALIPHATIC HC STD1
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1

Integration File: autoint1.e
Quant Time: Apr 05 06:17:30 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040523.M
Quant Title : GC Extractables
QLast Update : Wed Apr 05 06:14:54 2023
Response via : Initial Calibration
Integrator: ChemStation

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

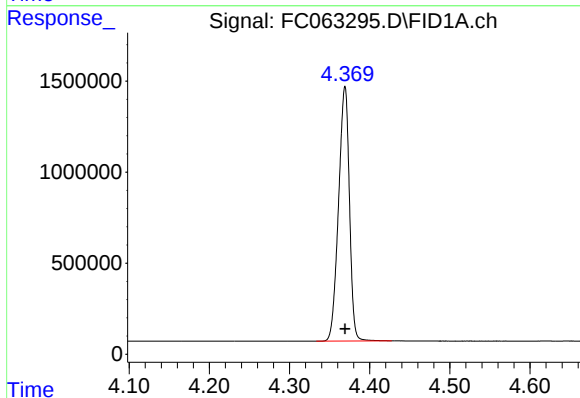




#1 n-Nonane (C9)

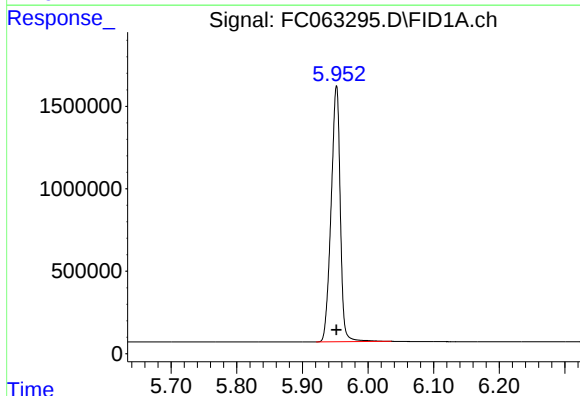
R.T.: 3.303 min
Delta R.T.: 0.000 min
Response: 13387764
Conc: 97.49 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



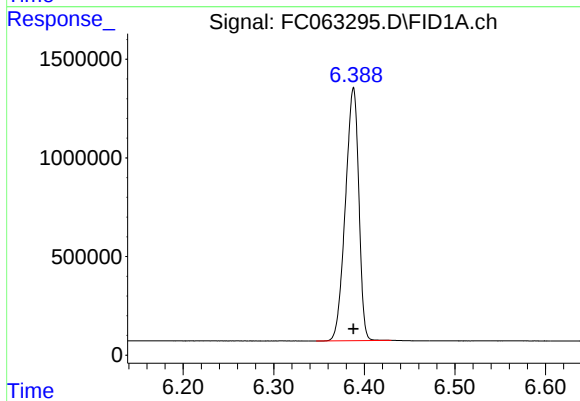
#2 n-Decane (C10)

R.T.: 4.369 min
Delta R.T.: 0.000 min
Response: 13185524
Conc: 97.90 ug/ml



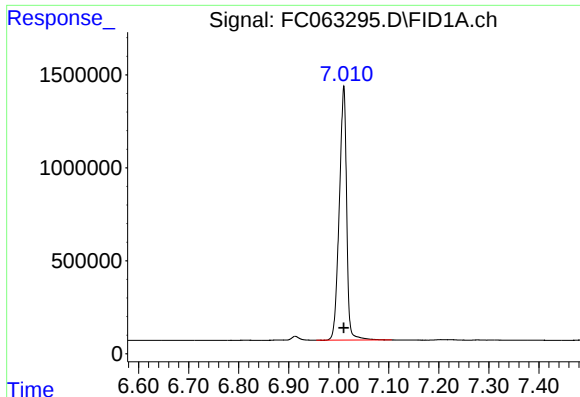
#3 A~Naphthalene (C11.7)

R.T.: 5.952 min
Delta R.T.: 0.000 min
Response: 15043024
Conc: 99.47 ug/ml



#4 n-Dodecane (C12)

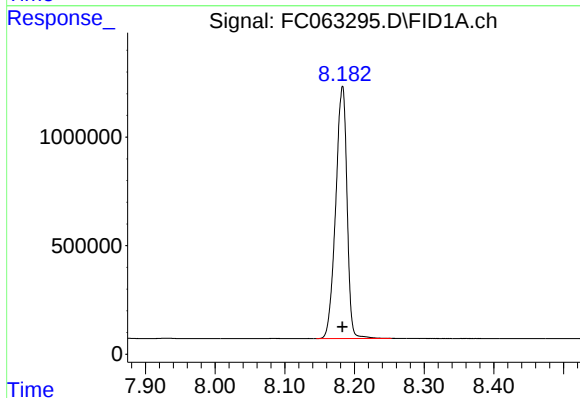
R.T.: 6.388 min
Delta R.T.: 0.000 min
Response: 13176330
Conc: 98.37 ug/ml



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

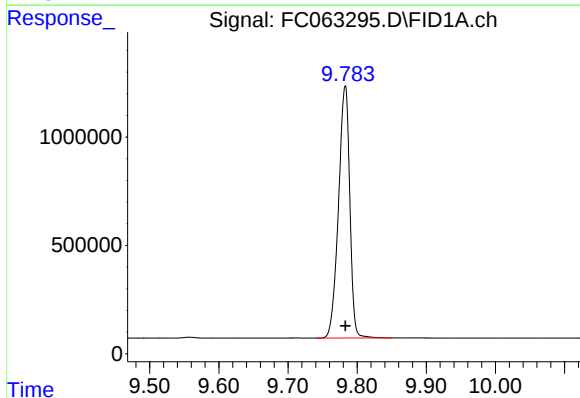
R.T.: 7.010 min
Delta R.T.: 0.000 min
Response: 14023630
Conc: 99.92 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



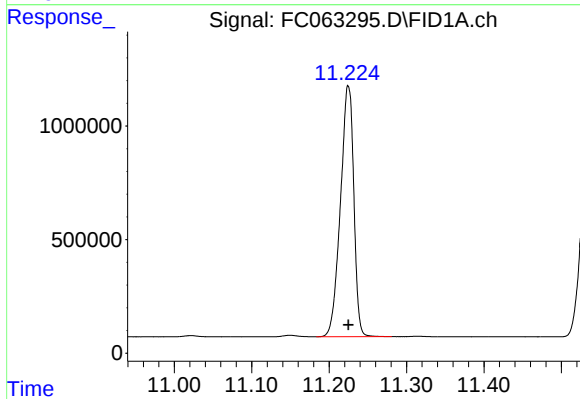
#6 n-Tetradecane (C14)

R.T.: 8.183 min
Delta R.T.: 0.000 min
Response: 13113176
Conc: 98.01 ug/ml



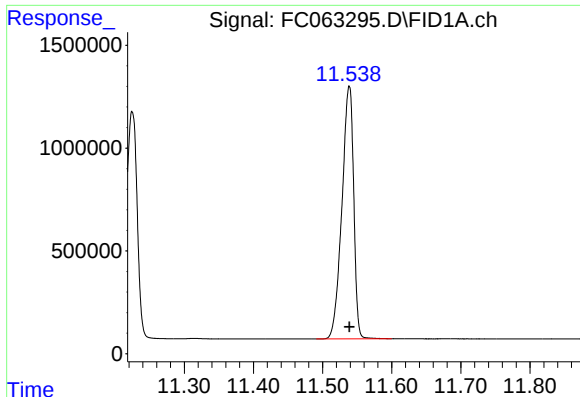
#7 n-Hexadecane (C16)

R.T.: 9.783 min
Delta R.T.: 0.000 min
Response: 13215025
Conc: 98.16 ug/ml



#8 n-Octadecane (C18)

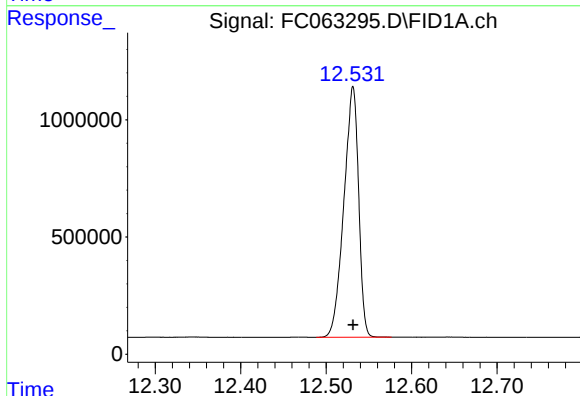
R.T.: 11.225 min
Delta R.T.: 0.000 min
Response: 13261778
Conc: 97.78 ug/ml



#9 ortho-Terphenyl (SURR)

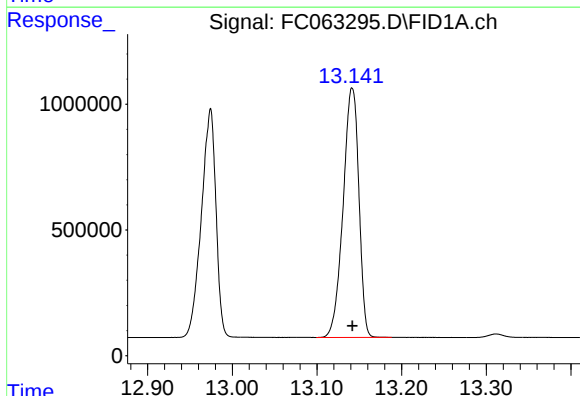
R.T.: 11.539 min
Delta R.T.: 0.000 min
Response: 14518307
Conc: 97.83 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



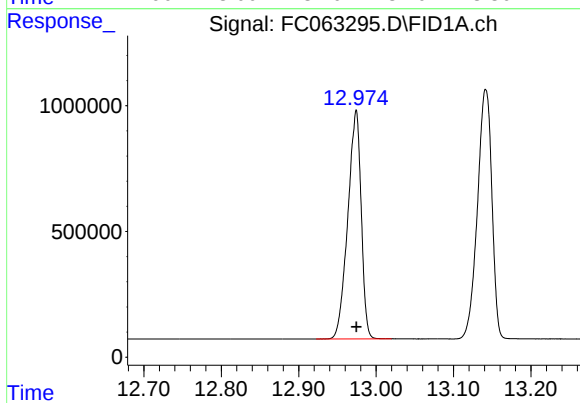
#10 n-Eicosane (C20)

R.T.: 12.531 min
Delta R.T.: 0.000 min
Response: 12823460
Conc: 97.77 ug/ml



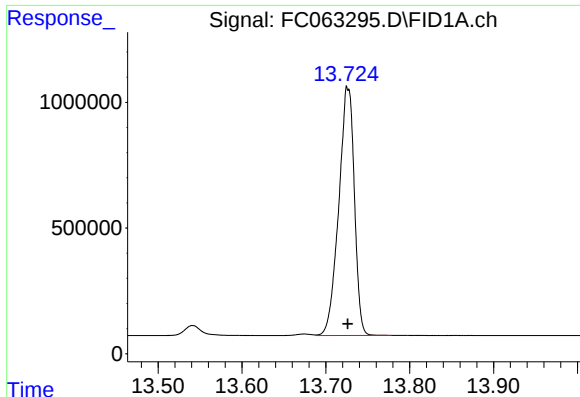
#11 n-Heneicosane (C21)

R.T.: 13.142 min
Delta R.T.: 0.000 min
Response: 12840547
Conc: 97.69 ug/ml



#12 1-chlorooctadecane (SURR)

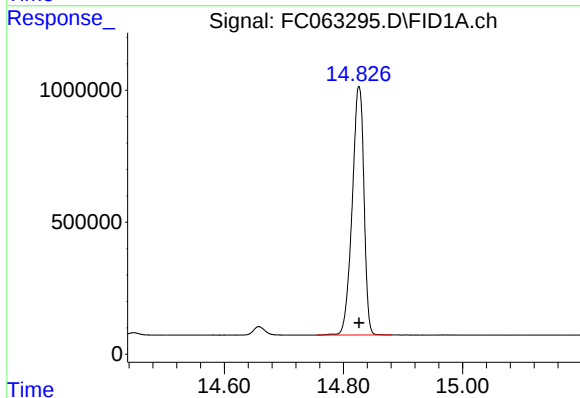
R.T.: 12.974 min
Delta R.T.: 0.000 min
Response: 10914146
Conc: 99.00 ug/ml



#13 n-Docosane (C22)

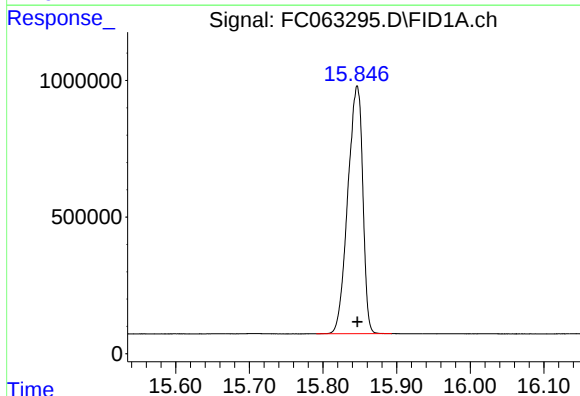
R.T.: 13.726 min
Delta R.T.: 0.000 min
Response: 12792937
Conc: 98.15 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



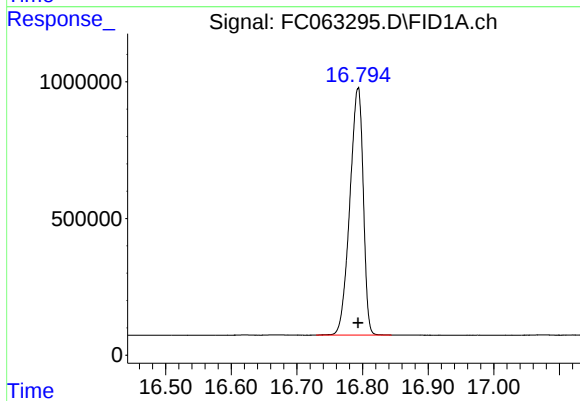
#14 n-Tetracosane (C24)

R.T.: 14.826 min
Delta R.T.: 0.000 min
Response: 12919565
Conc: 98.55 ug/ml



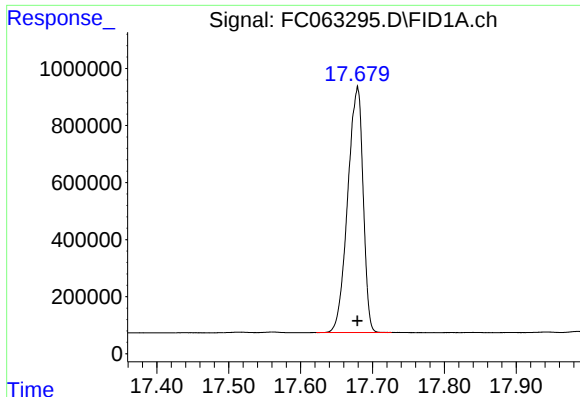
#15 n-Hexacosane (C26)

R.T.: 15.846 min
Delta R.T.: 0.000 min
Response: 12793564
Conc: 98.34 ug/ml



#16 n-Octacosane (C28)

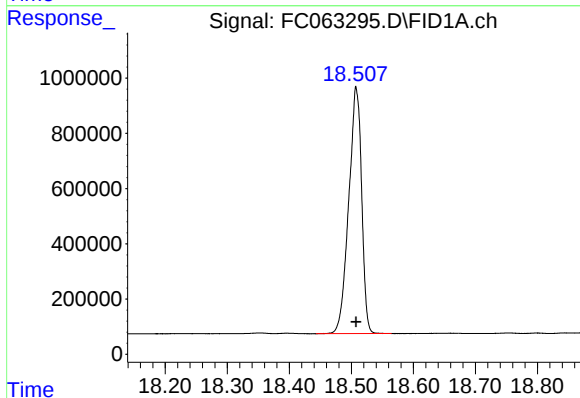
R.T.: 16.793 min
Delta R.T.: 0.000 min
Response: 12833687
Conc: 98.17 ug/ml



#17 n-Tricontane (C30)

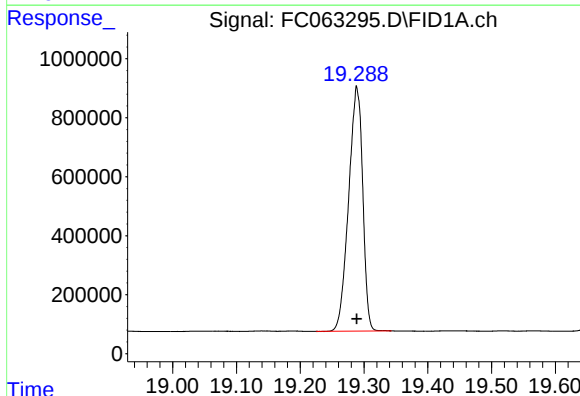
R.T.: 17.679 min
Delta R.T.: 0.000 min
Response: 12797792
Conc: 97.03 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



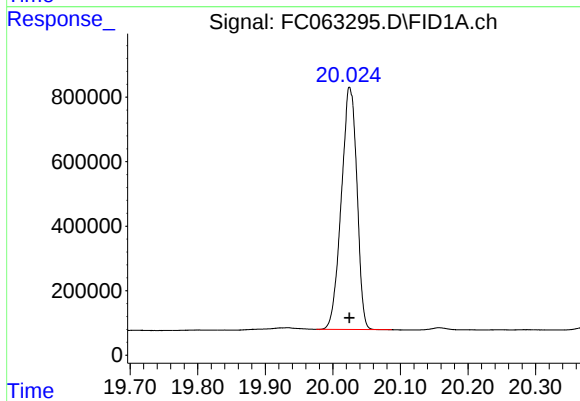
#18 n-Dotriacontane (C32)

R.T.: 18.508 min
Delta R.T.: 0.000 min
Response: 12900653
Conc: 96.36 ug/ml



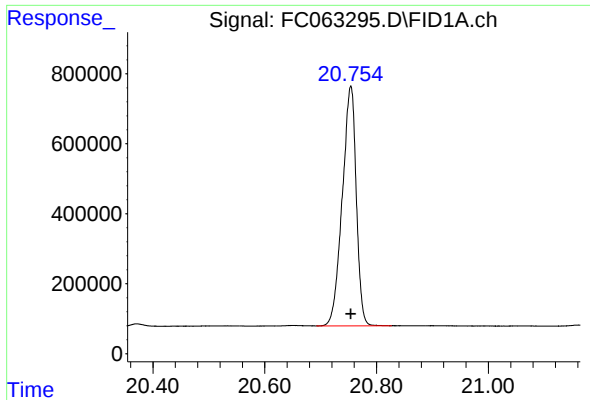
#19 n-Tetratriacontane (C34)

R.T.: 19.289 min
Delta R.T.: 0.000 min
Response: 12712292
Conc: 96.44 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.025 min
Delta R.T.: 0.000 min
Response: 12056675
Conc: 97.41 ug/ml



#21 n-Octatriacontane (C38)

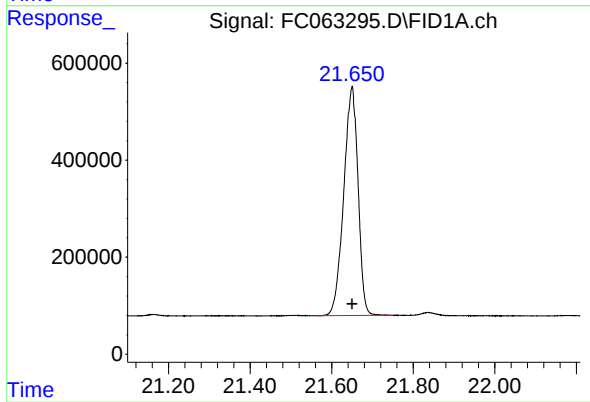
R.T.: 20.754 min
Delta R.T.: 0.000 min
Response: 11898550
Conc: 98.44 ug/ml

Instrument :

FID_C

ClientSampleId :

100 PPM ALIPHATIC HC STD1



#22 n-Tetracontane (C40)

R.T.: 21.650 min
Delta R.T.: 0.000 min
Response: 11488600
Conc: 98.77 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040523AL\
Data File : FC063295.D
Signal(s) : FID1A.ch
Acq On : 05 Apr 2023 03:19
Sample : 100 PPM ALIPHATIC HC STD1
Misc :
ALS Vial : 11 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040523.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	3.303	3.270	3.352	BB	1549157	13387764	89.00%	4.702%
2	4.369	4.333	4.427	BB	1398327	13185524	87.65%	4.631%
3	5.952	5.921	6.036	BB	1551102	15043024	100.00%	5.284%
4	6.388	6.347	6.430	BB	1285259	13176330	87.59%	4.628%
5	7.010	6.955	7.106	BB	1366887	14023630	93.22%	4.926%
6	8.183	8.145	8.253	BB	1162785	13113176	87.17%	4.606%
7	9.783	9.741	9.850	BB	1163602	13215025	87.85%	4.642%
8	11.225	11.183	11.281	BB	1102625	13261778	88.16%	4.658%
9	11.539	11.491	11.600	BB	1230003	14518307	96.51%	5.100%
10	12.531	12.488	12.577	BB	1070292	12823460	85.25%	4.504%
11	12.974	12.922	13.020	BB	910287	10914146	72.55%	3.834%
12	13.142	13.099	13.188	BB	991330	12840547	85.36%	4.510%
13	13.726	13.688	13.778	VB	978436	12792937	85.04%	4.494%
14	14.826	14.754	14.881	BB	941802	12919565	85.88%	4.538%
15	15.846	15.791	15.893	BB	907547	12793564	85.05%	4.494%
16	16.793	16.729	16.844	BB	901777	12833687	85.31%	4.508%
17	17.679	17.622	17.727	BB	862261	12797792	85.07%	4.495%
18	18.508	18.443	18.565	BB	893666	12900653	85.76%	4.531%
19	19.289	19.225	19.343	BB	826084	12712292	84.51%	4.465%
20	20.025	19.975	20.087	BB	750931	12056675	80.15%	4.235%
21	20.754	20.692	20.827	BB	684802	11898550	79.10%	4.179%
22	21.650	21.562	21.747	BB	472540	11488600	76.37%	4.035%
Sum of corrected areas:						284697026		

Aliphatic EPH 040523.M Wed Apr 05 10:13:04 2023

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040523AL\
 Data File : FC063296.D
 Signal(s) : FID1A.ch
 Acq On : 05 Apr 2023 04:00
 Operator : YP/AJ
 Sample : 50 PPM ALIPHATIC HC STD2
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 50 PPM ALIPHATIC HC STD2

Integration File: autoint1.e
 Quant Time: Apr 05 06:19:41 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040523.M
 Quant Title : GC Extractables
 QLast Update : Wed Apr 05 06:14:54 2023
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.531	7415608	49.980 ug/ml
Spiked Amount 50.000		Recovery =	99.96%
12) S 1-chlorooctadecane (S...	12.969	5547199	50.212 ug/ml
Spiked Amount 50.000		Recovery =	100.42%
Target Compounds			
1) T n-Nonane (C9)	3.301	6936893	50.341 ug/ml
2) T n-Decane (C10)	4.367	6788718	50.268 ug/ml
3) T A~Naphthalene (C11.7)	5.949	7681374	50.524 ug/ml
4) T n-Dodecane (C12)	6.385	6744311	50.233 ug/ml
5) T A~2-methylnaphthalene...	7.006	7120553	50.486 ug/ml
6) T n-Tetradecane (C14)	8.179	6720078	50.152 ug/ml
7) T n-Hexadecane (C16)	9.779	6755452	50.120 ug/ml
8) T n-Octadecane (C18)	11.218	6793513	50.061 ug/ml
10) T n-Eicosane (C20)	12.526	6567381	50.047 ug/ml
11) T n-Heneicosane (C21)	13.137	6576891	50.025 ug/ml
13) T n-Docosane (C22)	13.723	6558396	50.213 ug/ml
14) T n-Tetracosane (C24)	14.823	6670718	50.586 ug/ml
15) T n-Hexacosane (C26)	15.843	6653491	50.756 ug/ml
16) T n-Octacosane (C28)	16.788	6725260	50.953 ug/ml
17) T n-Tricontane (C30)	17.675	6785167	50.952 ug/ml
18) T n-Dotriacontane (C32)	18.505	6834046	50.692 ug/ml
19) T n-Tetratriacontane (C34)	19.285	6642853	50.262 ug/ml
20) T n-Hexatriacontane (C36)	20.022	6208391	50.105 ug/ml
21) T n-Octatriacontane (C38)	20.748	6087567	50.244 ug/ml
22) T n-Tetracontane (C40)	21.642	5893282	50.441 ug/ml

(f)=RT Delta > 1/2 Window

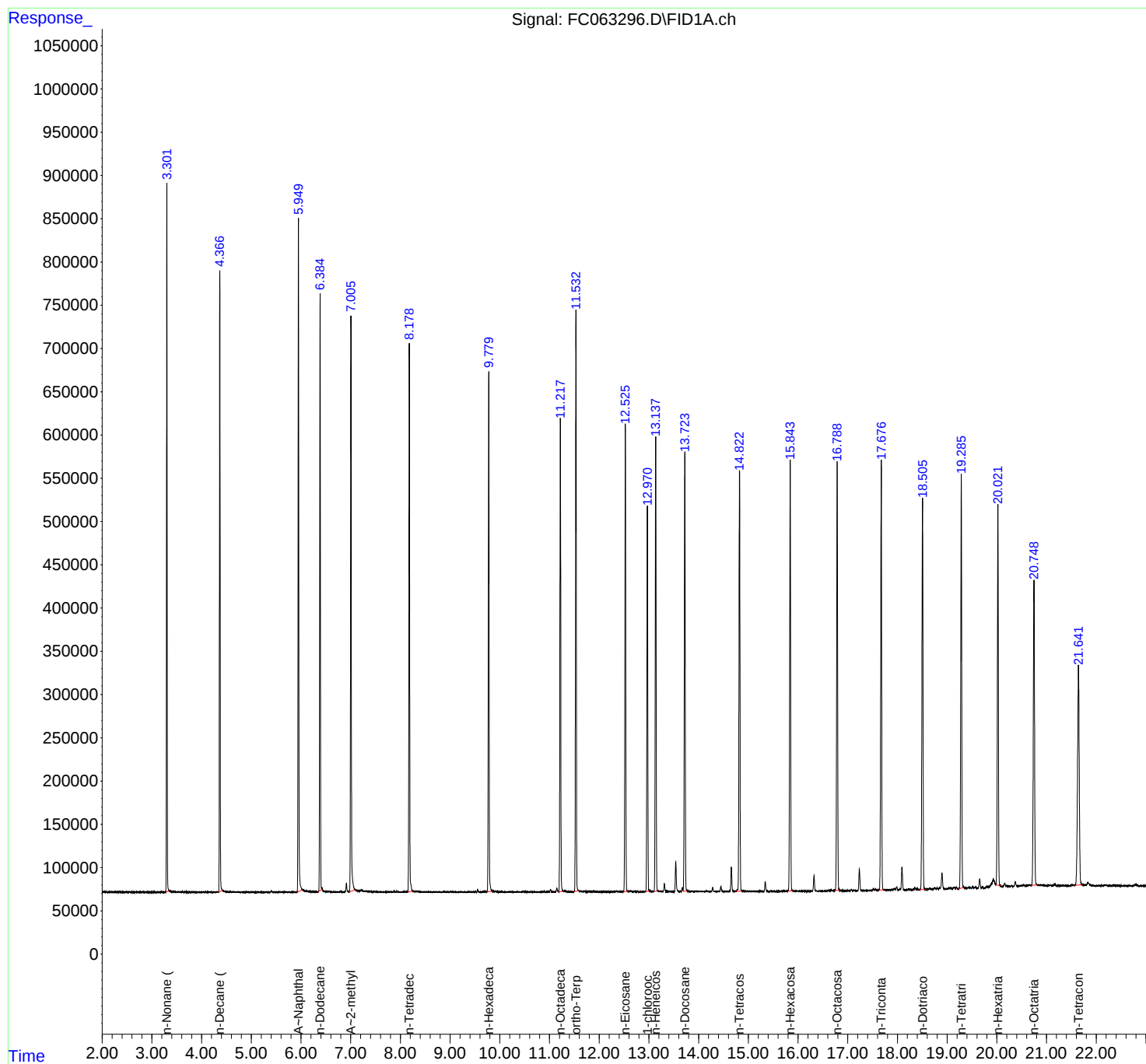
(m)=manual int.

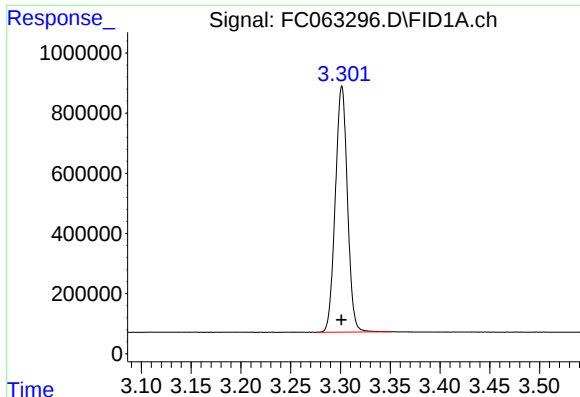
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040523AL\
Data File : FC063296.D
Signal(s) : FID1A.ch
Acq On : 05 Apr 2023 04:00
Operator : YP/AJ
Sample : 50 PPM ALIPHATIC HC STD2
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2

Integration File: autoint1.e
Quant Time: Apr 05 06:19:41 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040523.M
Quant Title : GC Extractables
QLast Update : Wed Apr 05 06:14:54 2023
Response via : Initial Calibration
Integrator: ChemStation

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

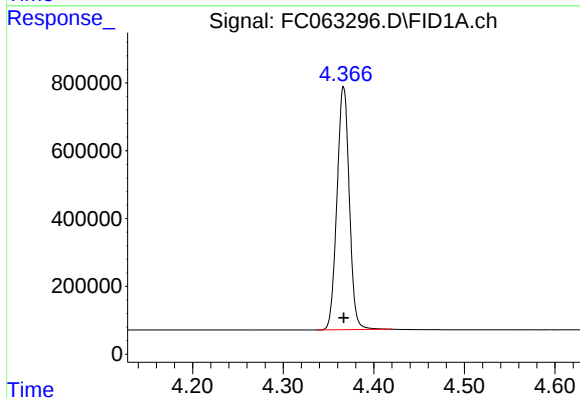




#1 n-Nonane (C9)

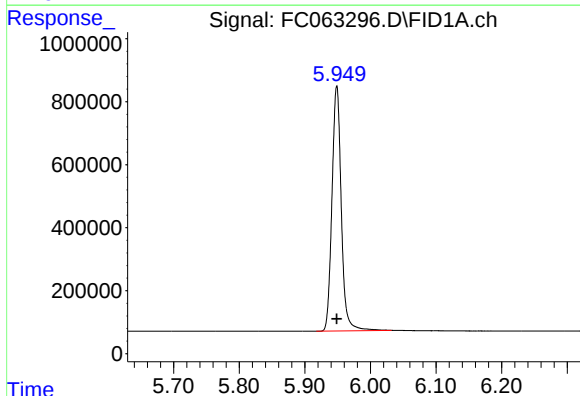
R.T.: 3.301 min
Delta R.T.: 0.000 min
Response: 6936893
Conc: 50.34 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



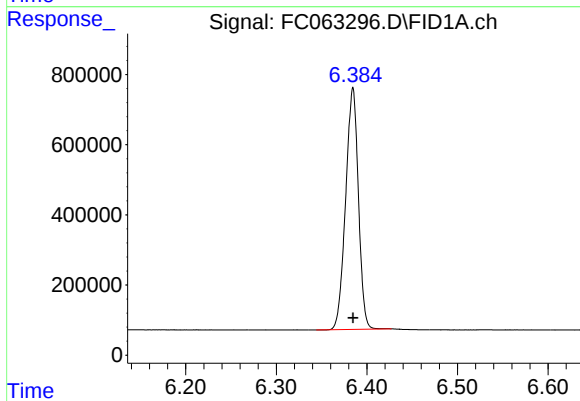
#2 n-Decane (C10)

R.T.: 4.367 min
Delta R.T.: 0.000 min
Response: 6788718
Conc: 50.27 ug/ml



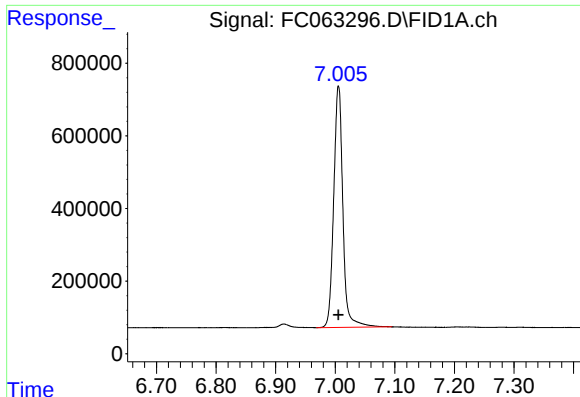
#3 A~Naphthalene (C11.7)

R.T.: 5.949 min
Delta R.T.: 0.000 min
Response: 7681374
Conc: 50.52 ug/ml



#4 n-Dodecane (C12)

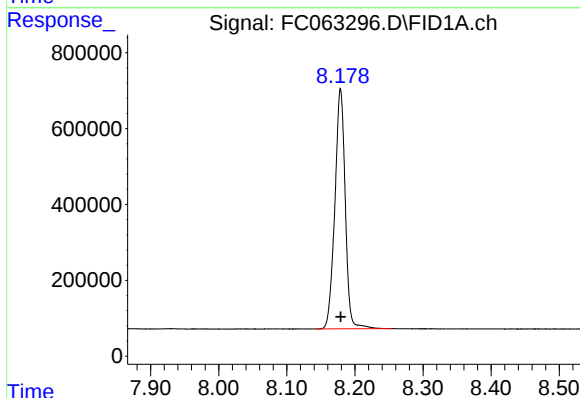
R.T.: 6.385 min
Delta R.T.: 0.000 min
Response: 6744311
Conc: 50.23 ug/ml



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

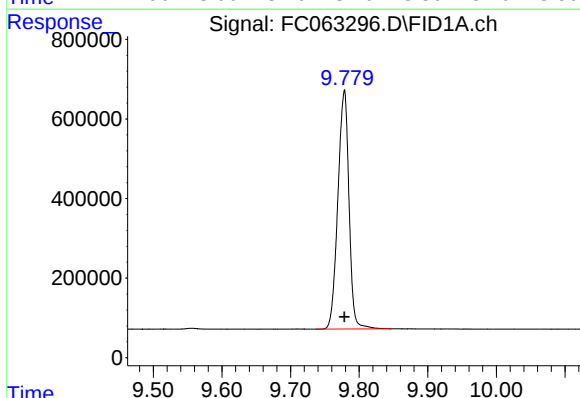
R.T.: 7.006 min
Delta R.T.: 0.000 min
Response: 7120553
Conc: 50.49 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



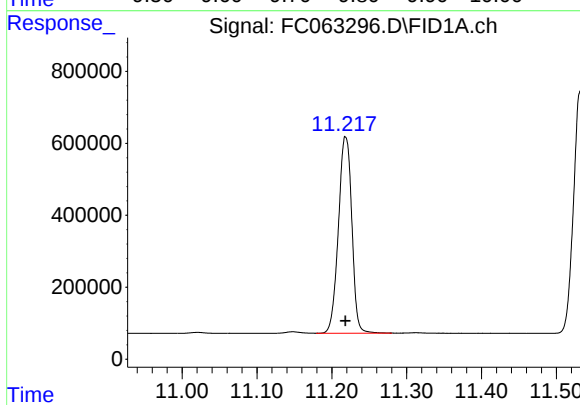
#6 n-Tetradecane (C14)

R.T.: 8.179 min
Delta R.T.: 0.000 min
Response: 6720078
Conc: 50.15 ug/ml



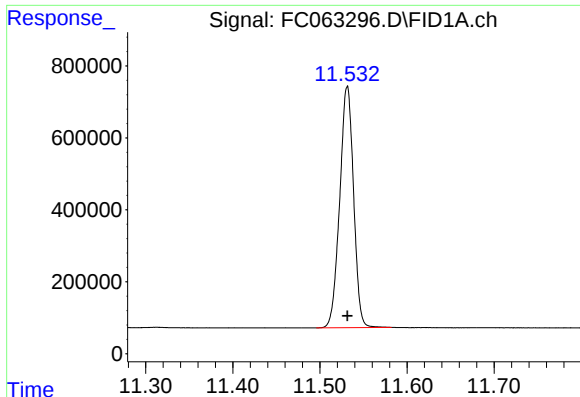
#7 n-Hexadecane (C16)

R.T.: 9.779 min
Delta R.T.: 0.000 min
Response: 6755452
Conc: 50.12 ug/ml



#8 n-Octadecane (C18)

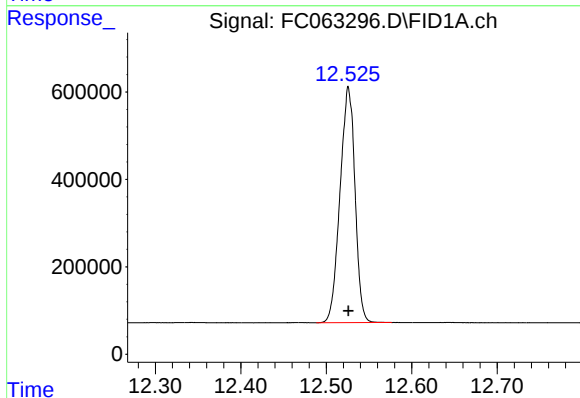
R.T.: 11.218 min
Delta R.T.: 0.000 min
Response: 6793513
Conc: 50.06 ug/ml



#9 ortho-Terphenyl (SURR)

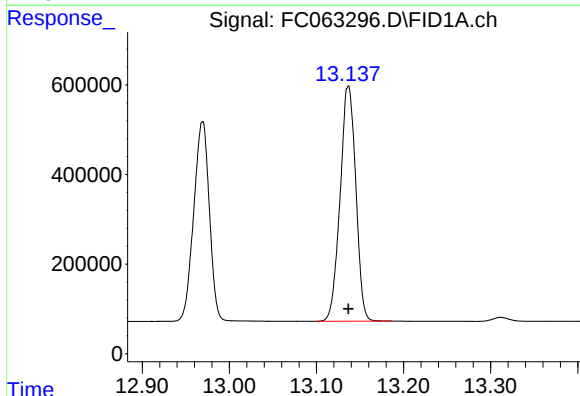
R.T.: 11.531 min
Delta R.T.: 0.000 min
Response: 7415608
Conc: 49.98 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



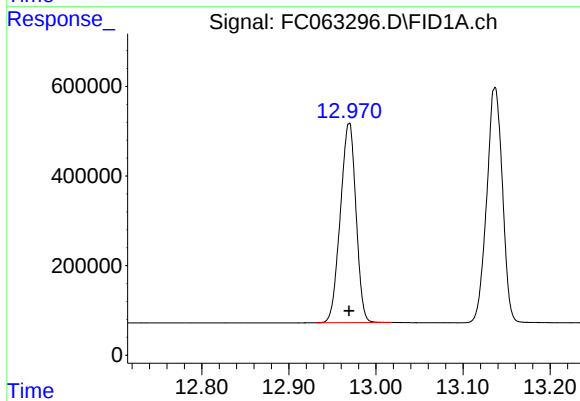
#10 n-Eicosane (C20)

R.T.: 12.526 min
Delta R.T.: 0.000 min
Response: 6567381
Conc: 50.05 ug/ml



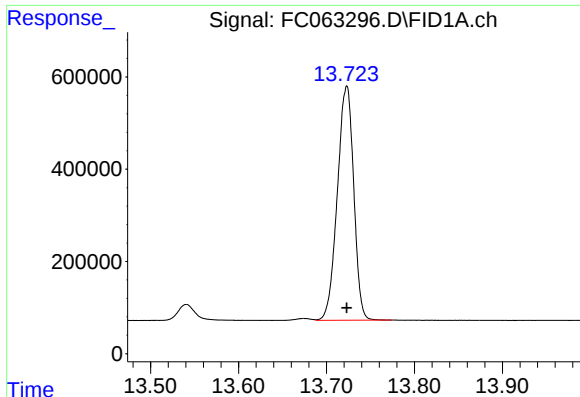
#11 n-Heneicosane (C21)

R.T.: 13.137 min
Delta R.T.: 0.000 min
Response: 6576891
Conc: 50.03 ug/ml



#12 1-chlorooctadecane (SURR)

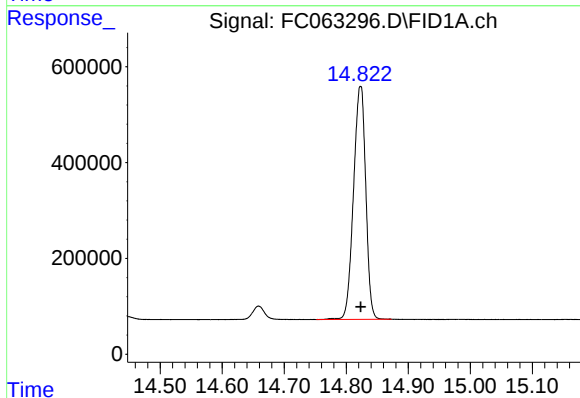
R.T.: 12.969 min
Delta R.T.: 0.000 min
Response: 5547199
Conc: 50.21 ug/ml



#13 n-Docosane (C22)

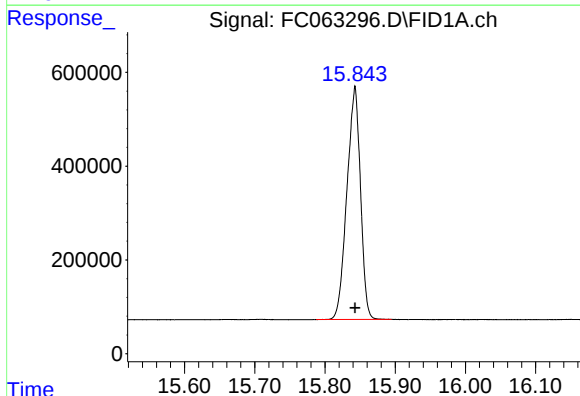
R.T.: 13.723 min
Delta R.T.: 0.000 min
Response: 6558396
Conc: 50.21 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



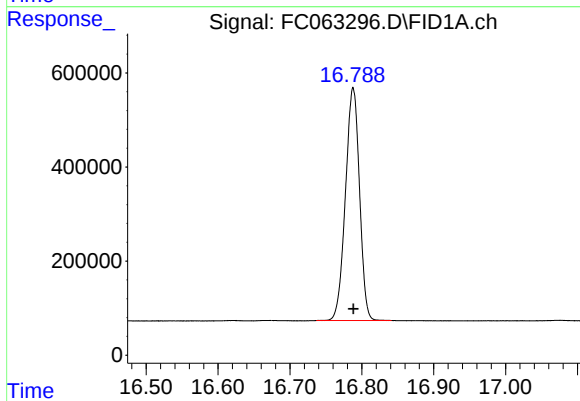
#14 n-Tetracosane (C24)

R.T.: 14.823 min
Delta R.T.: 0.000 min
Response: 6670718
Conc: 50.59 ug/ml



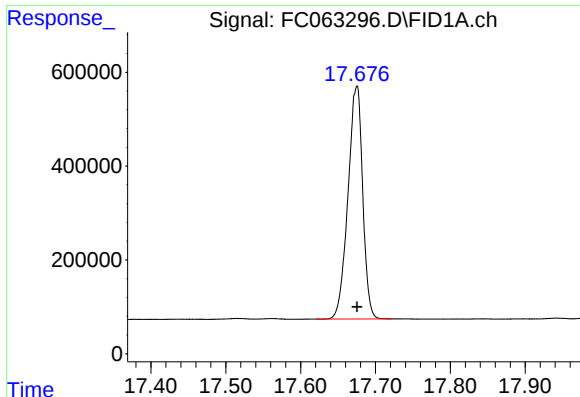
#15 n-Hexacosane (C26)

R.T.: 15.843 min
Delta R.T.: 0.000 min
Response: 6653491
Conc: 50.76 ug/ml



#16 n-Octacosane (C28)

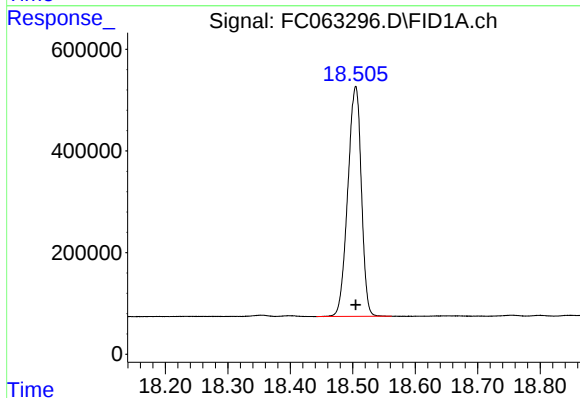
R.T.: 16.788 min
Delta R.T.: 0.000 min
Response: 6725260
Conc: 50.95 ug/ml



#17 n-Tricontane (C30)

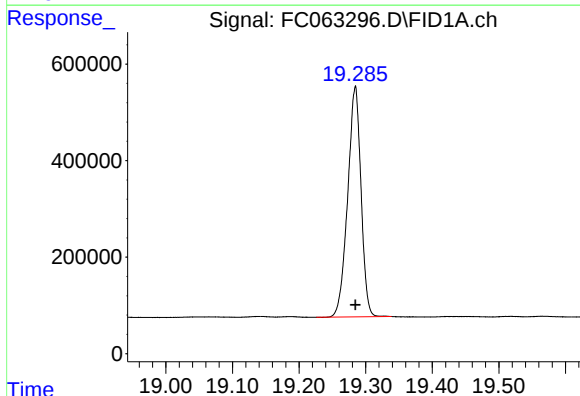
R.T.: 17.675 min
Delta R.T.: 0.000 min
Response: 6785167
Conc: 50.95 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



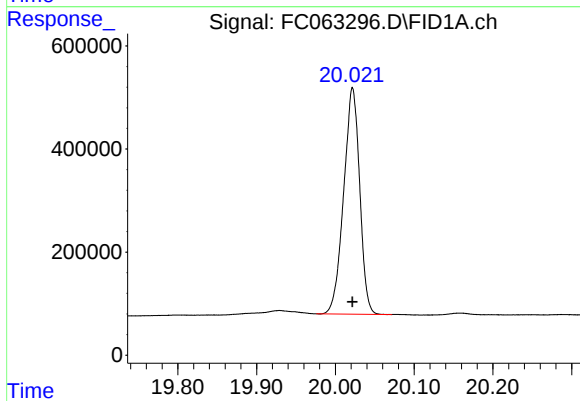
#18 n-Dotriacontane (C32)

R.T.: 18.505 min
Delta R.T.: 0.000 min
Response: 6834046
Conc: 50.69 ug/ml



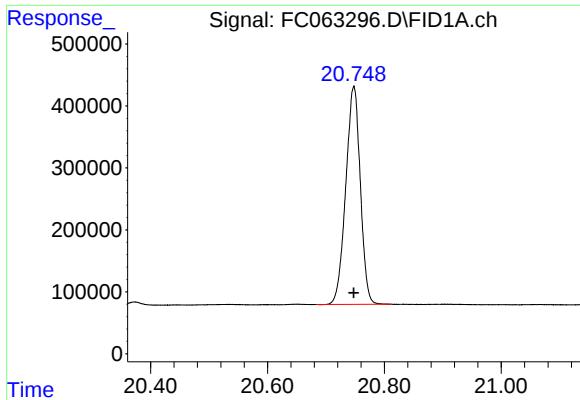
#19 n-Tetratriacontane (C34)

R.T.: 19.285 min
Delta R.T.: 0.000 min
Response: 6642853
Conc: 50.26 ug/ml



#20 n-Hexatriacontane (C36)

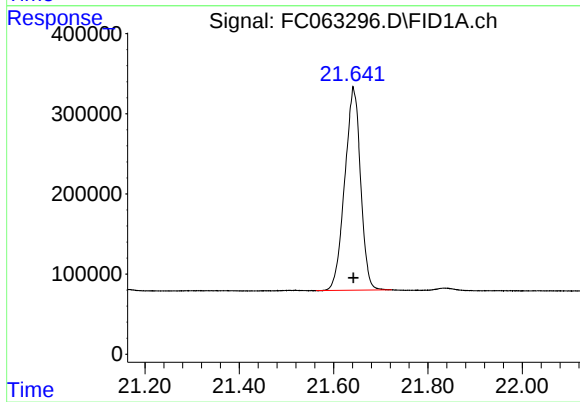
R.T.: 20.022 min
Delta R.T.: 0.000 min
Response: 6208391
Conc: 50.11 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.748 min
Delta R.T.: 0.000 min
Response: 6087567
Conc: 50.24 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



#22 n-Tetracontane (C40)

R.T.: 21.642 min
Delta R.T.: 0.000 min
Response: 5893282
Conc: 50.44 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040523AL\
Data File : FC063296.D
Signal(s) : FID1A.ch
Acq On : 05 Apr 2023 04:00
Sample : 50 PPM ALIPHATIC HC STD2
Misc :
ALS Vial : 12 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040523.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	3.302	3.276	3.352	BB	818869	6936893	90.31%	4.728%
2	4.367	4.337	4.420	BB	717019	6788718	88.38%	4.627%
3	5.949	5.917	6.032	BB	778436	7681374	100.00%	5.236%
4	6.385	6.344	6.427	BB	690570	6744311	87.80%	4.597%
5	7.006	6.968	7.095	BB	664213	7120553	92.70%	4.854%
6	8.179	8.143	8.254	BB	632635	6720078	87.49%	4.581%
7	9.779	9.737	9.847	BB	599501	6755452	87.95%	4.605%
8	11.218	11.179	11.280	BB	545213	6793513	88.44%	4.631%
9	11.531	11.496	11.582	BB	670671	7415608	96.54%	5.055%
10	12.526	12.488	12.577	BB	539818	6567381	85.50%	4.477%
11	12.969	12.932	13.018	BB	444265	5547199	72.22%	3.781%
12	13.137	13.100	13.187	BB	525209	6576891	85.62%	4.483%
13	13.723	13.688	13.774	VB	508177	6558396	85.38%	4.470%
14	14.823	14.752	14.873	BB	485767	6670718	86.84%	4.547%
15	15.843	15.787	15.895	BB	498553	6653491	86.62%	4.535%
16	16.788	16.736	16.842	BB	495582	6725260	87.55%	4.584%
17	17.675	17.621	17.722	BB	496144	6785167	88.33%	4.625%
18	18.505	18.442	18.562	BB	452667	6834046	88.97%	4.658%
19	19.285	19.226	19.339	BB	479196	6642853	86.48%	4.528%
20	20.022	19.976	20.072	BB	439947	6208391	80.82%	4.232%
21	20.748	20.683	20.812	BB	353193	6087567	79.25%	4.149%
22	21.642	21.563	21.723	BB	253780	5893282	76.72%	4.017%
Sum of corrected areas:						146707140		

Aliphatic EPH 040523.M Wed Apr 05 10:13:34 2023

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040523AL\
 Data File : FC063297.D
 Signal(s) : FID1A.ch
 Acq On : 05 Apr 2023 04:41
 Operator : YP/AJ
 Sample : 20 PPM ALIPHATIC HC STD3
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 20 PPM ALIPHATIC HC STD3

Integration File: autoint1.e
 Quant Time: Apr 05 06:15:13 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040523.M
 Quant Title : GC Extractables
 QLast Update : Wed Apr 05 06:14:54 2023
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.530	3032335	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
12) S 1-chlorooctadecane (S...	12.967	2226838	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
Target Compounds			
1) T n-Nonane (C9)	3.300	2815657	20.000 ug/ml
2) T n-Decane (C10)	4.366	2750510	20.000 ug/ml
3) T A~Naphthalene (C11.7)	5.948	3040946	20.000 ug/ml
4) T n-Dodecane (C12)	6.383	2722657	20.000 ug/ml
5) T A~2-methylnaphthalene...	7.005	2809497	20.000 ug/ml
6) T n-Tetradecane (C14)	8.176	2728981	20.000 ug/ml
7) T n-Hexadecane (C16)	9.776	2741940	20.000 ug/ml
8) T n-Octadecane (C18)	11.216	2772574	20.000 ug/ml
10) T n-Eicosane (C20)	12.525	2681762	20.000 ug/ml
11) T n-Heneicosane (C21)	13.135	2689455	20.000 ug/ml
13) T n-Docosane (C22)	13.720	2654778	20.000 ug/ml
14) T n-Tetracosane (C24)	14.820	2659868	20.000 ug/ml
15) T n-Hexacosane (C26)	15.840	2645143	20.000 ug/ml
16) T n-Octacosane (C28)	16.786	2662546	20.000 ug/ml
17) T n-Tricontane (C30)	17.670	2716414	20.000 ug/ml
18) T n-Dotriacontane (C32)	18.499	2775138	20.000 ug/ml
19) T n-Tetratriacontane (C34)	19.281	2730309	20.000 ug/ml
20) T n-Hexatriacontane (C36)	20.018	2539762	20.000 ug/ml
21) T n-Octatriacontane (C38)	20.746	2454911	20.000 ug/ml
22) T n-Tetracontane (C40)	21.641	2355052	20.000 ug/ml

(f)=RT Delta > 1/2 Window

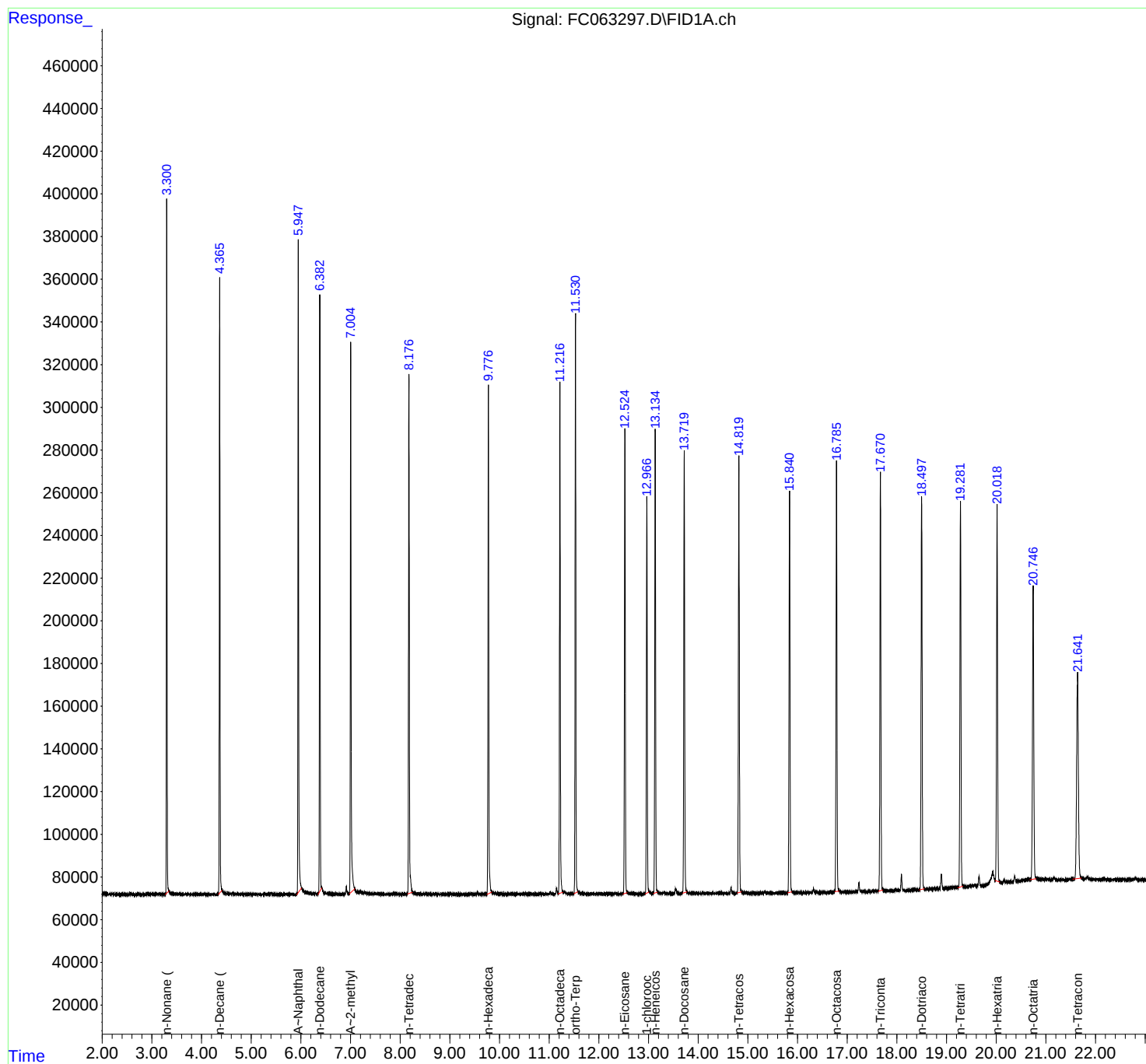
(m)=manual int.

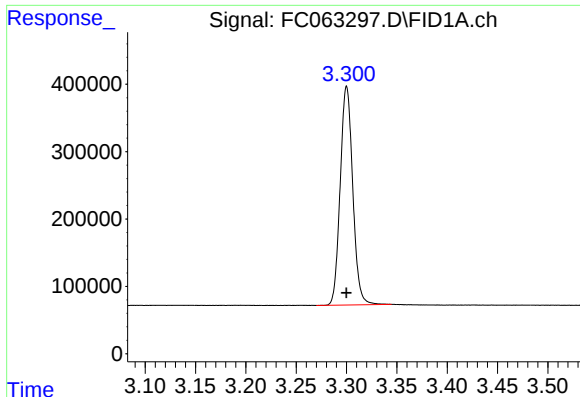
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040523AL\
Data File : FC063297.D
Signal(s) : FID1A.ch
Acq On : 05 Apr 2023 04:41
Operator : YP/AJ
Sample : 20 PPM ALIPHATIC HC STD3
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3

Integration File: autoint1.e
Quant Time: Apr 05 06:15:13 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040523.M
Quant Title : GC Extractables
QLast Update : Wed Apr 05 06:14:54 2023
Response via : Initial Calibration
Integrator: ChemStation

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

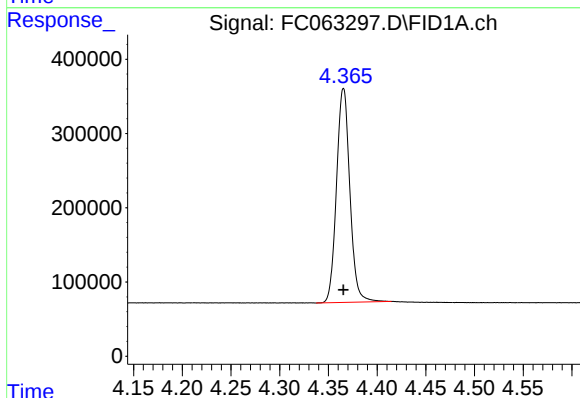




#1 n-Nonane (C9)

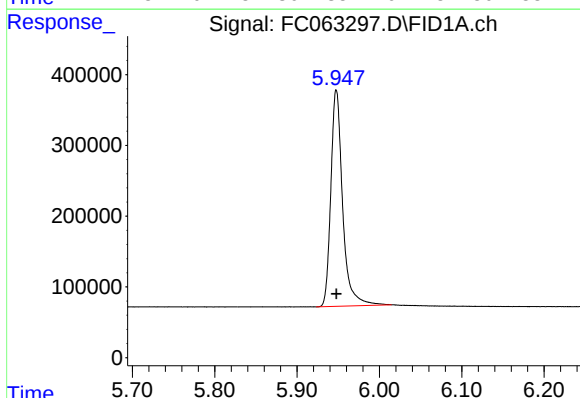
R.T.: 3.300 min
Delta R.T.: 0.000 min
Response: 2815657
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



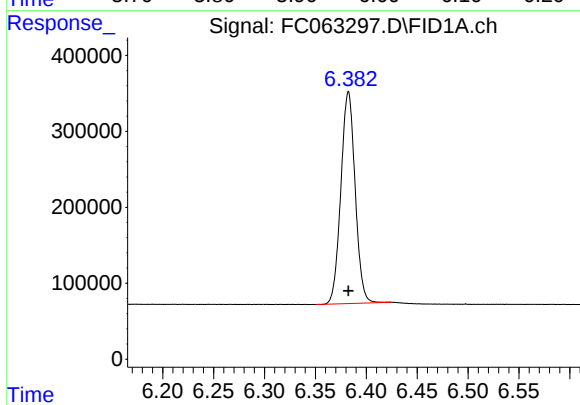
#2 n-Decane (C10)

R.T.: 4.366 min
Delta R.T.: 0.000 min
Response: 2750510
Conc: 20.00 ug/ml



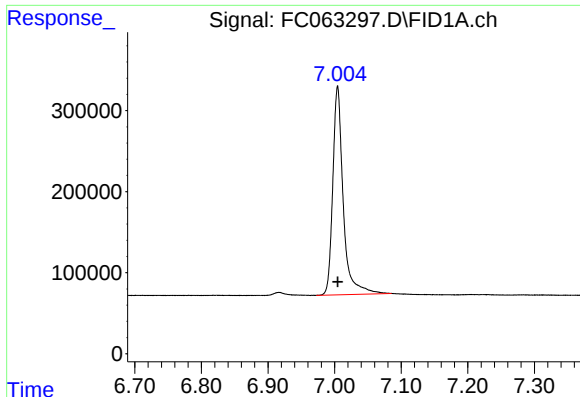
#3 A~Naphthalene (C11.7)

R.T.: 5.948 min
Delta R.T.: 0.000 min
Response: 3040946
Conc: 20.00 ug/ml



#4 n-Dodecane (C12)

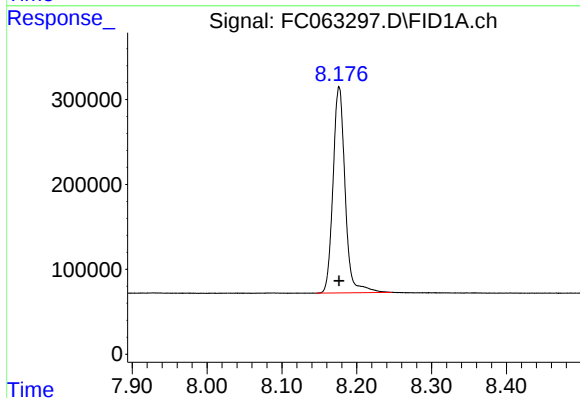
R.T.: 6.383 min
Delta R.T.: 0.000 min
Response: 2722657
Conc: 20.00 ug/ml



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

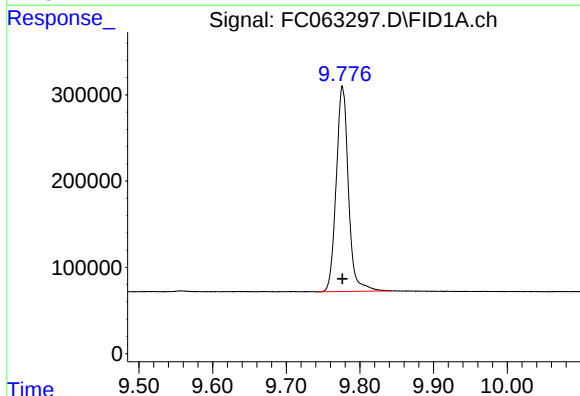
R.T.: 7.005 min
Delta R.T.: 0.000 min
Response: 2809497
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



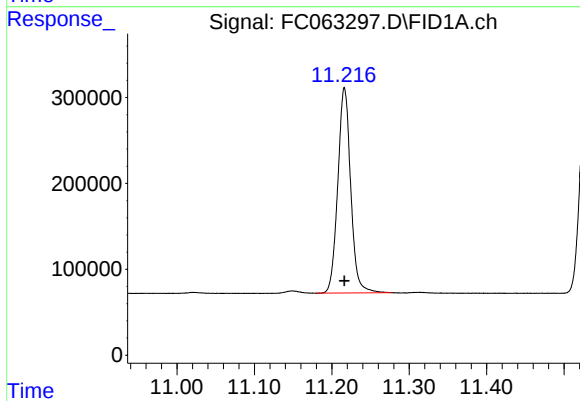
#6 n-Tetradecane (C14)

R.T.: 8.176 min
Delta R.T.: 0.000 min
Response: 2728981
Conc: 20.00 ug/ml



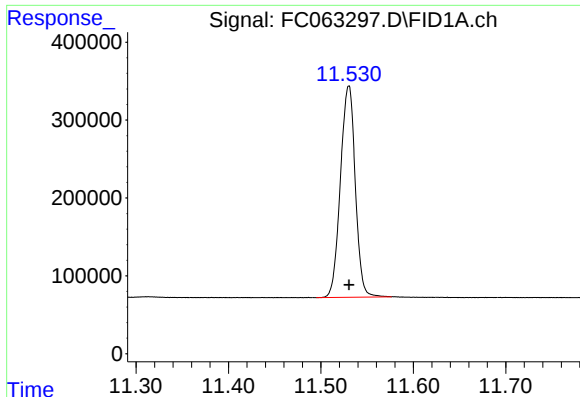
#7 n-Hexadecane (C16)

R.T.: 9.776 min
Delta R.T.: 0.000 min
Response: 2741940
Conc: 20.00 ug/ml



#8 n-Octadecane (C18)

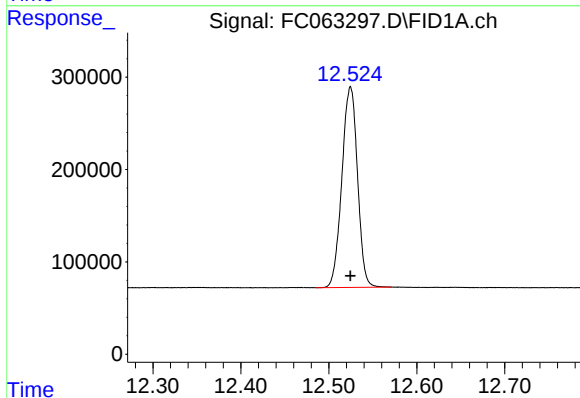
R.T.: 11.216 min
Delta R.T.: 0.000 min
Response: 2772574
Conc: 20.00 ug/ml



#9 ortho-Terphenyl (SURR)

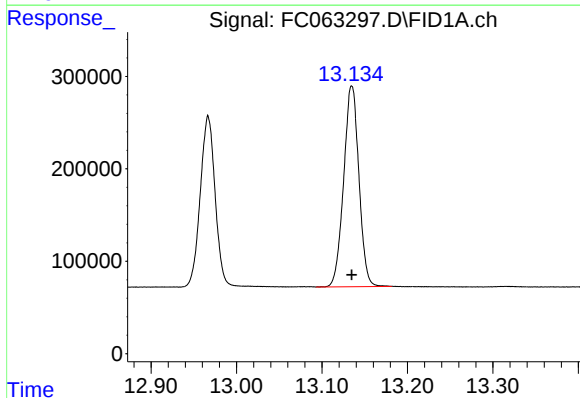
R.T.: 11.530 min
Delta R.T.: 0.000 min
Response: 3032335
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



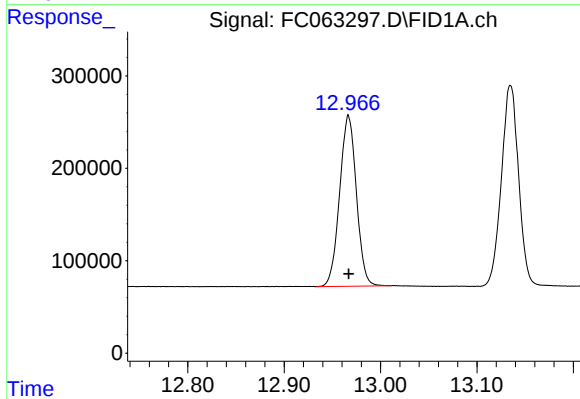
#10 n-Eicosane (C20)

R.T.: 12.525 min
Delta R.T.: 0.000 min
Response: 2681762
Conc: 20.00 ug/ml



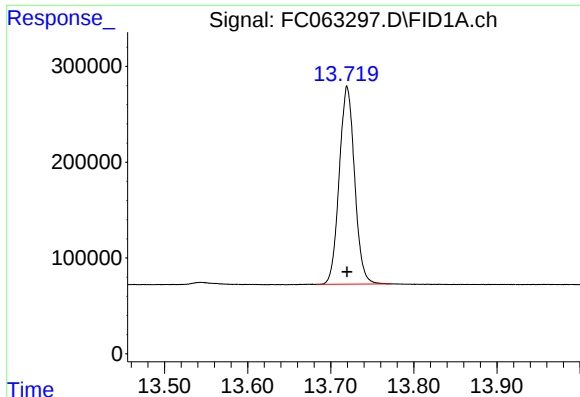
#11 n-Heneicosane (C21)

R.T.: 13.135 min
Delta R.T.: 0.000 min
Response: 2689455
Conc: 20.00 ug/ml



#12 1-chlorooctadecane (SURR)

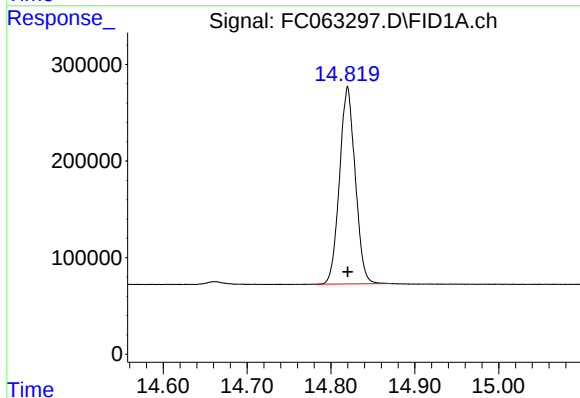
R.T.: 12.967 min
Delta R.T.: 0.000 min
Response: 2226838
Conc: 20.00 ug/ml



#13 n-Docosane (C22)

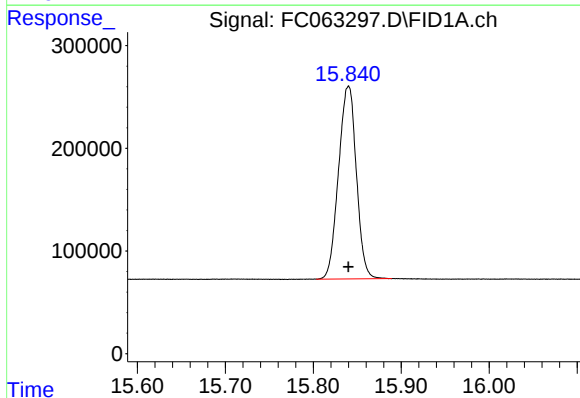
R.T.: 13.720 min
Delta R.T.: 0.000 min
Response: 2654778
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



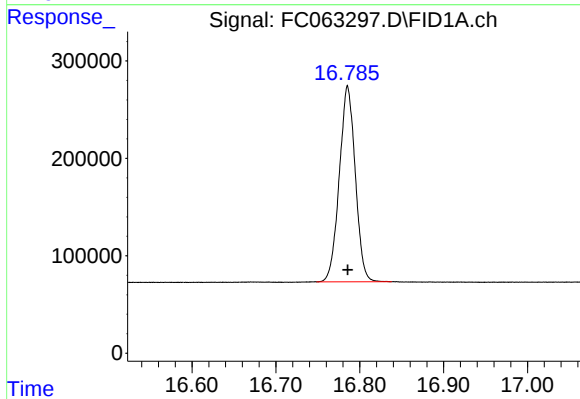
#14 n-Tetracosane (C24)

R.T.: 14.820 min
Delta R.T.: 0.000 min
Response: 2659868
Conc: 20.00 ug/ml



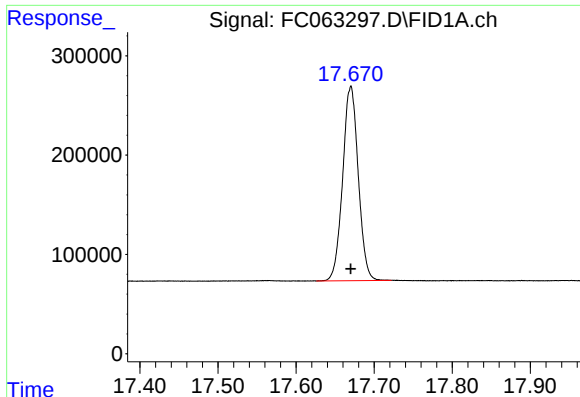
#15 n-Hexacosane (C26)

R.T.: 15.840 min
Delta R.T.: 0.000 min
Response: 2645143
Conc: 20.00 ug/ml



#16 n-Octacosane (C28)

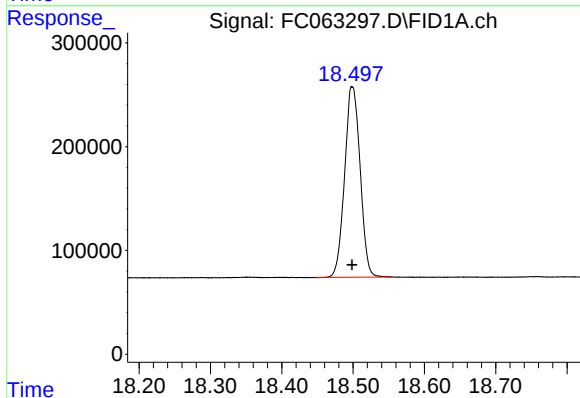
R.T.: 16.786 min
Delta R.T.: 0.000 min
Response: 2662546
Conc: 20.00 ug/ml



#17 n-Tricontane (C30)

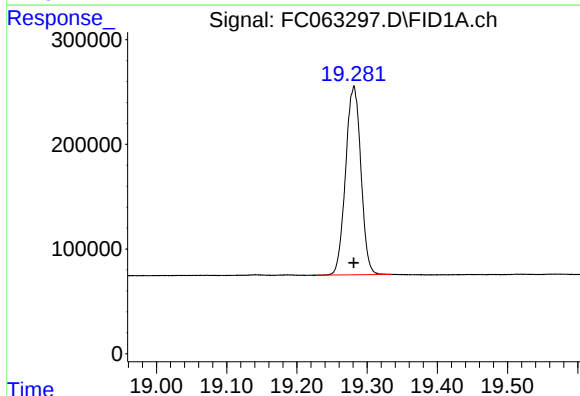
R.T.: 17.670 min
Delta R.T.: 0.000 min
Response: 2716414
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



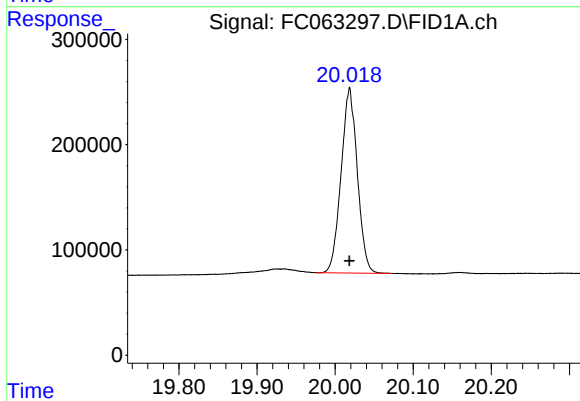
#18 n-Dotriacontane (C32)

R.T.: 18.499 min
Delta R.T.: 0.000 min
Response: 2775138
Conc: 20.00 ug/ml



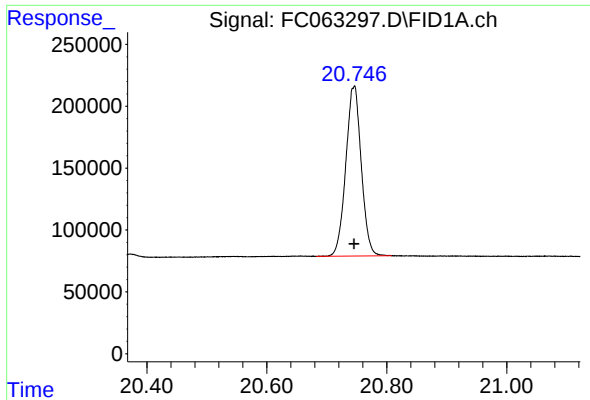
#19 n-Tetratriacontane (C34)

R.T.: 19.281 min
Delta R.T.: 0.000 min
Response: 2730309
Conc: 20.00 ug/ml



#20 n-Hexatriacontane (C36)

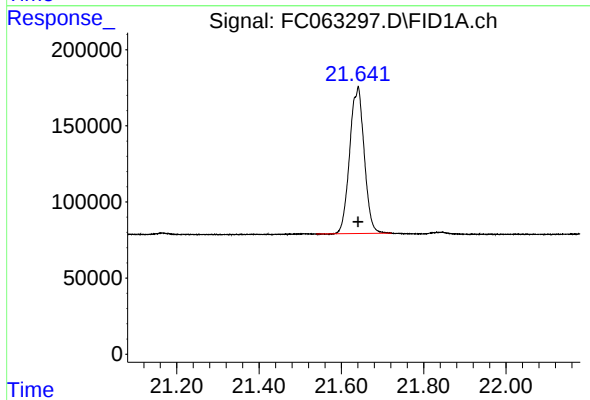
R.T.: 20.018 min
Delta R.T.: 0.000 min
Response: 2539762
Conc: 20.00 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.746 min
Delta R.T.: 0.000 min
Response: 2454911
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



#22 n-Tetracontane (C40)

R.T.: 21.641 min
Delta R.T.: 0.000 min
Response: 2355052
Conc: 20.00 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040523AL\
 Data File : FC063297.D
 Signal(s) : FID1A.ch
 Acq On : 05 Apr 2023 04:41
 Sample : 20 PPM ALIPHATIC HC STD3
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040523.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	3.300	3.270	3.345	BB	324837	2815657	92.59%	4.756%
2	4.366	4.337	4.415	BB	288298	2750510	90.45%	4.646%
3	5.948	5.923	6.015	BB	304925	3040946	100.00%	5.136%
4	6.383	6.351	6.425	BB	279186	2722657	89.53%	4.599%
5	7.005	6.972	7.086	BB	258068	2809497	92.39%	4.745%
6	8.176	8.146	8.246	BB	242835	2728981	89.74%	4.609%
7	9.776	9.741	9.843	BB	237612	2741940	90.17%	4.631%
8	11.216	11.180	11.277	BB	239278	2772574	91.17%	4.683%
9	11.530	11.495	11.577	BB	271518	3032335	99.72%	5.122%
10	12.525	12.486	12.572	BB	217732	2681762	88.19%	4.529%
11	12.967	12.933	13.012	BB	185343	2226838	73.23%	3.761%
12	13.135	13.093	13.182	BB	217090	2689455	88.44%	4.542%
13	13.720	13.682	13.773	BB	206202	2654778	87.30%	4.484%
14	14.820	14.782	14.872	BB	204597	2659868	87.47%	4.492%
15	15.840	15.803	15.889	BB	187857	2645143	86.98%	4.468%
16	16.786	16.748	16.838	BB	201357	2662546	87.56%	4.497%
17	17.670	17.626	17.722	BB	195814	2716414	89.33%	4.588%
18	18.499	18.448	18.554	BB	183167	2775138	91.26%	4.687%
19	19.281	19.227	19.335	BB	180848	2730309	89.78%	4.611%
20	20.018	19.976	20.072	BB	175960	2539762	83.52%	4.290%
21	20.746	20.682	20.808	BB	137230	2454911	80.73%	4.146%
22	21.641	21.539	21.722	BB	96461	2355052	77.44%	3.978%
Sum of corrected areas:							59207071	

Aliphatic EPH 040523.M Wed Apr 05 10:13:52 2023

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040523AL\
 Data File : FC063298.D
 Signal(s) : FID1A.ch
 Acq On : 05 Apr 2023 06:03
 Operator : YP/AJ
 Sample : 10 PPM ALIPHATIC HC STD4
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 10 PPM ALIPHATIC HC STD4

Integration File: autoint1.e
 Quant Time: Apr 05 06:31:17 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040523.M
 Quant Title : GC Extractables
 QLast Update : Wed Apr 05 06:31:08 2023
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.527	1520263	10.184 ug/ml
Spiked Amount 50.000		Recovery =	20.37%
12) S 1-chlorooctadecane (S...	12.965	1089718	9.898 ug/ml
Spiked Amount 50.000		Recovery =	19.80%
Target Compounds			
1) T n-Nonane (C9)	3.298	1409726	10.172 ug/ml
2) T n-Decane (C10)	4.363	1354327	10.021 ug/ml
3) T A~Naphthalene (C11.7)	5.948	1442915	9.613 ug/ml
4) T n-Dodecane (C12)	6.382	1326614	9.910 ug/ml
5) T A~2-methylnaphthalene...	7.005	1325324	9.541 ug/ml
6) T n-Tetradecane (C14)	8.176	1326737	9.926 ug/ml
7) T n-Hexadecane (C16)	9.775	1350694	10.016 ug/ml
8) T n-Octadecane (C18)	11.215	1377610	10.113 ug/ml
10) T n-Eicosane (C20)	12.523	1343964	10.180 ug/ml
11) T n-Heneicosane (C21)	13.133	1349264	10.196 ug/ml
13) T n-Docosane (C22)	13.720	1334187	10.160 ug/ml
14) T n-Tetracosane (C24)	14.820	1345462	10.152 ug/ml
15) T n-Hexacosane (C26)	15.838	1340503	10.169 ug/ml
16) T n-Octacosane (C28)	16.786	1356166	10.205 ug/ml
17) T n-Tricontane (C30)	17.669	1387537	10.311 ug/ml
18) T n-Dotriacontane (C32)	18.500	1424722	10.420 ug/ml
19) T n-Tetratriacontane (C34)	19.280	1389036	10.378 ug/ml
20) T n-Hexatriacontane (C36)	20.017	1279701	10.244 ug/ml
21) T n-Octatriacontane (C38)	20.743	1213770	10.013 ug/ml
22) T n-Tetracontane (C40)	21.635	1142214	9.831 ug/ml

(f)=RT Delta > 1/2 Window

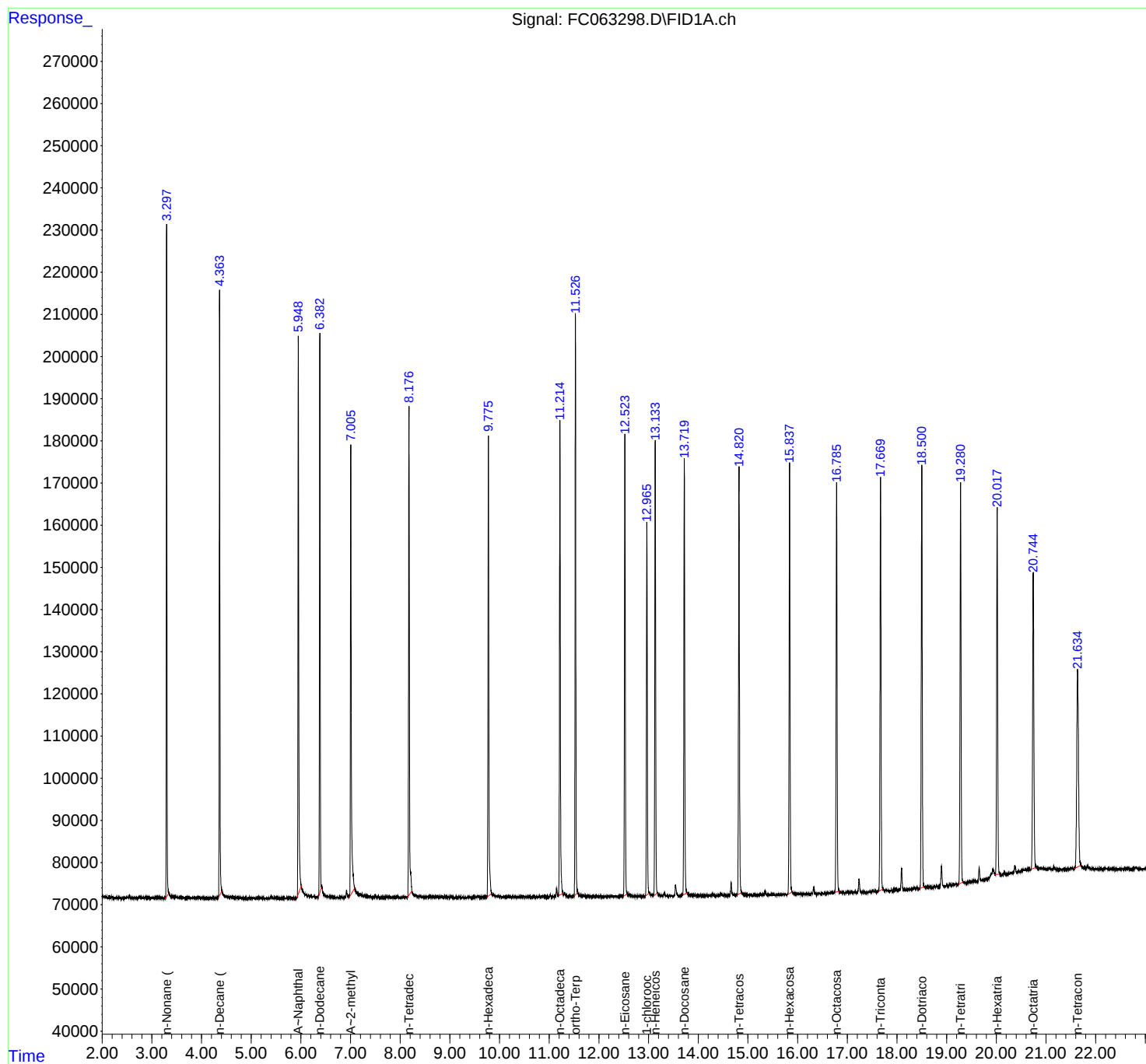
(m)=manual int.

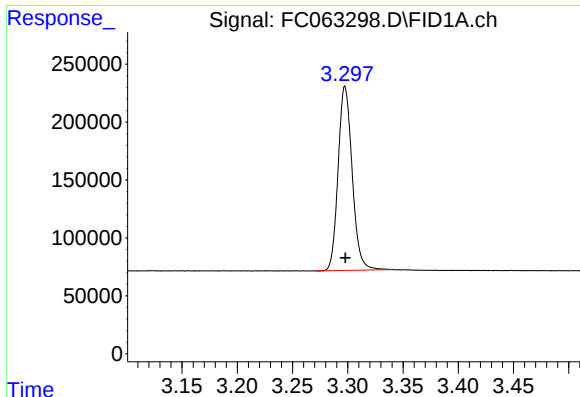
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040523AL\
Data File : FC063298.D
Signal(s) : FID1A.ch
Acq On : 05 Apr 2023 06:03
Operator : YP/AJ
Sample : 10 PPM ALIPHATIC HC STD4
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4

Integration File: autoint1.e
Quant Time: Apr 05 06:31:17 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040523.M
Quant Title : GC Extractables
QLast Update : Wed Apr 05 06:31:08 2023
Response via : Initial Calibration
Integrator: ChemStation

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

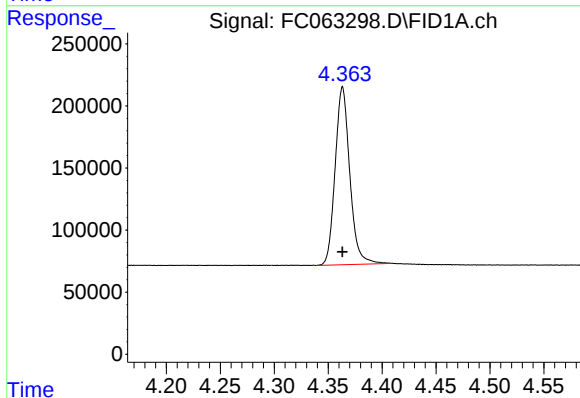




#1 n-Nonane (C9)

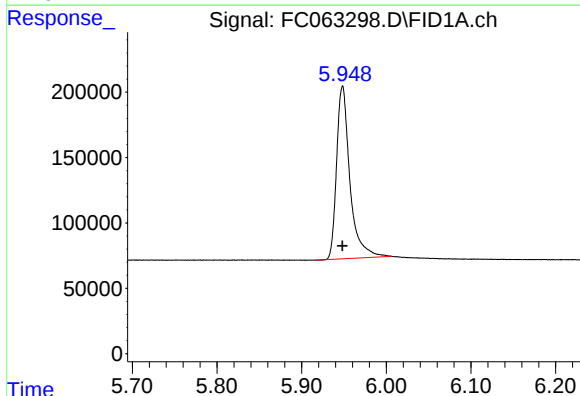
R.T.: 3.298 min
Delta R.T.: 0.000 min
Response: 1409726
Conc: 10.17 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



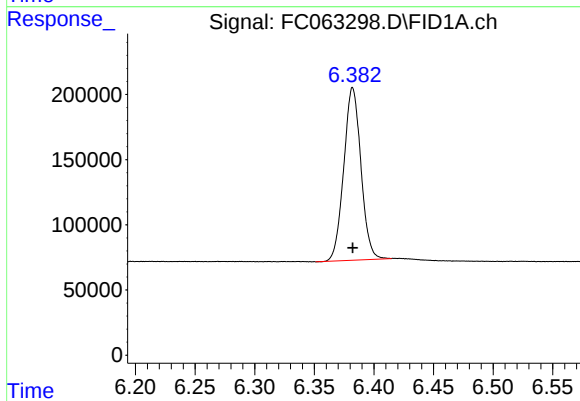
#2 n-Decane (C10)

R.T.: 4.363 min
Delta R.T.: 0.000 min
Response: 1354327
Conc: 10.02 ug/ml



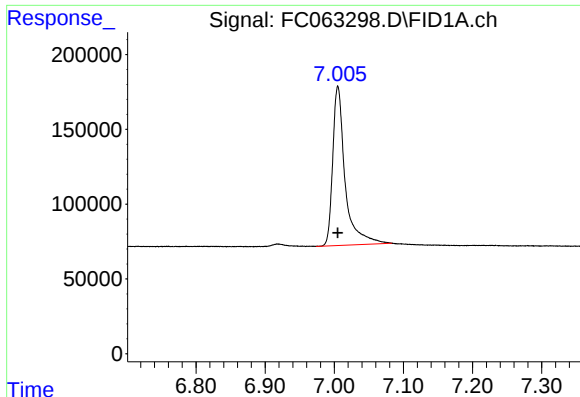
#3 A~Naphthalene (C11.7)

R.T.: 5.948 min
Delta R.T.: 0.000 min
Response: 1442915
Conc: 9.61 ug/ml



#4 n-Dodecane (C12)

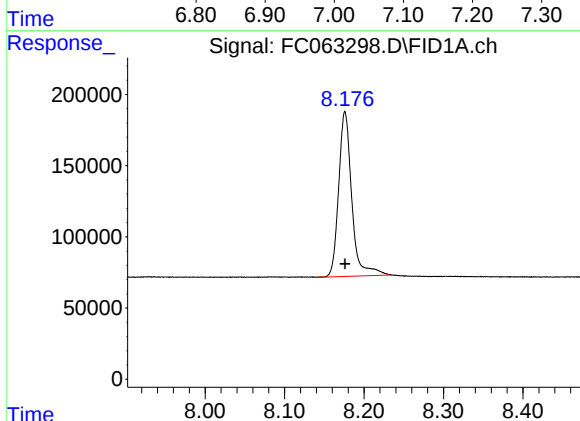
R.T.: 6.382 min
Delta R.T.: 0.000 min
Response: 1326614
Conc: 9.91 ug/ml



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

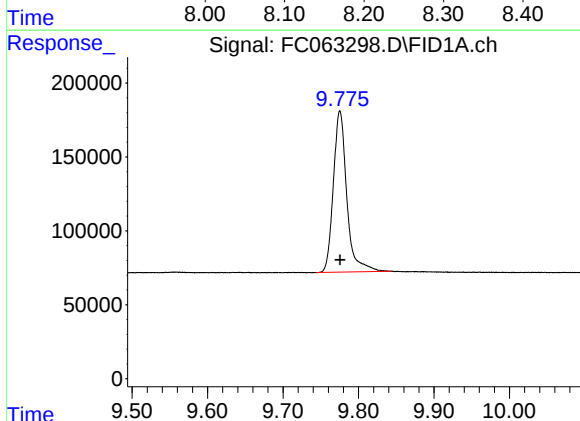
R.T.: 7.005 min
Delta R.T.: 0.000 min
Response: 1325324
Conc: 9.54 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



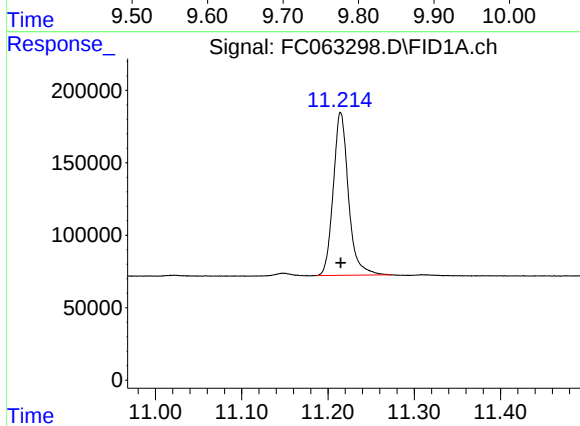
#6 n-Tetradecane (C14)

R.T.: 8.176 min
Delta R.T.: 0.000 min
Response: 1326737
Conc: 9.93 ug/ml



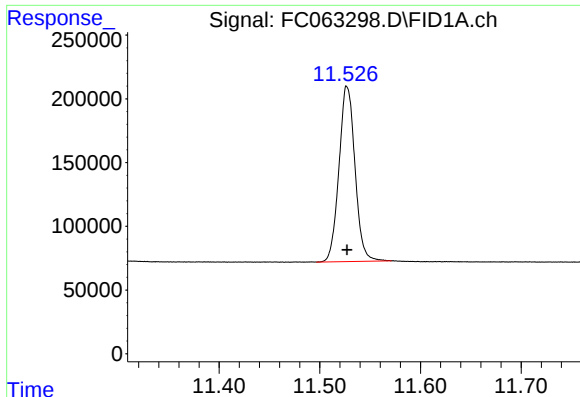
#7 n-Hexadecane (C16)

R.T.: 9.775 min
Delta R.T.: 0.000 min
Response: 1350694
Conc: 10.02 ug/ml



#8 n-Octadecane (C18)

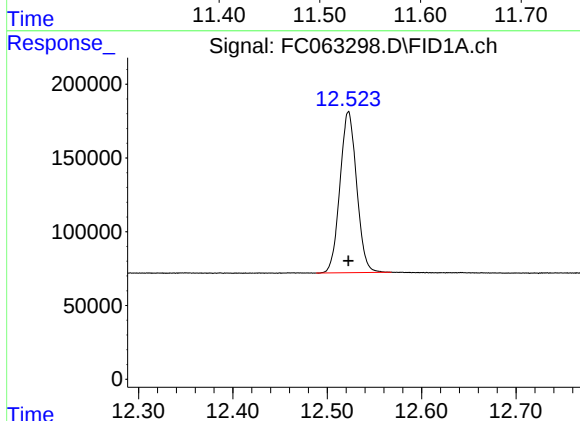
R.T.: 11.215 min
Delta R.T.: 0.000 min
Response: 1377610
Conc: 10.11 ug/ml



#9 ortho-Terphenyl (SURR)

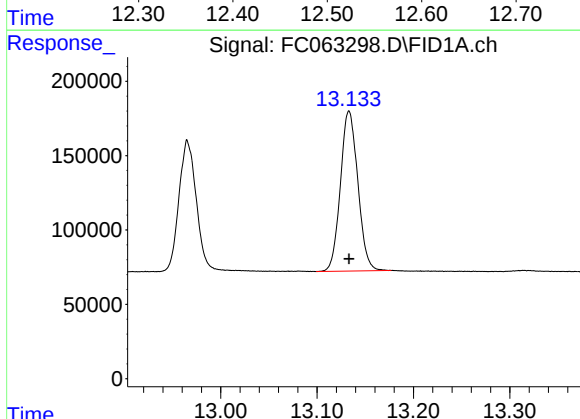
R.T.: 11.527 min
Delta R.T.: 0.000 min
Response: 1520263
Conc: 10.18 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



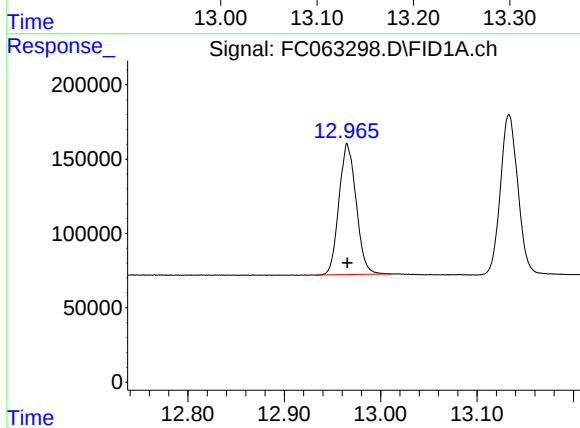
#10 n-Eicosane (C20)

R.T.: 12.523 min
Delta R.T.: 0.000 min
Response: 1343964
Conc: 10.18 ug/ml



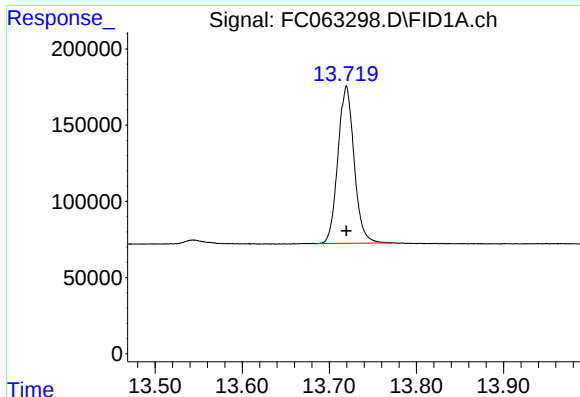
#11 n-Heneicosane (C21)

R.T.: 13.133 min
Delta R.T.: 0.000 min
Response: 1349264
Conc: 10.20 ug/ml



#12 1-chlorooctadecane (SURR)

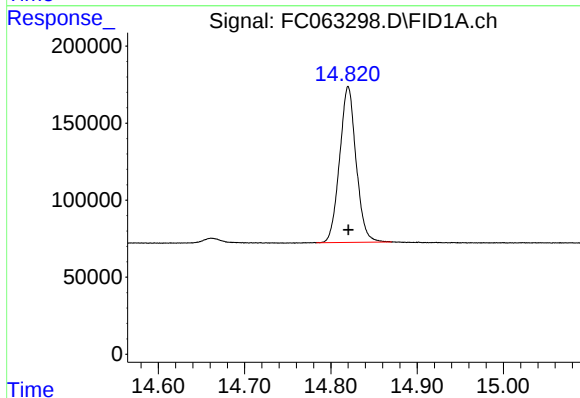
R.T.: 12.965 min
Delta R.T.: 0.000 min
Response: 1089718
Conc: 9.90 ug/ml



#13 n-Docosane (C22)

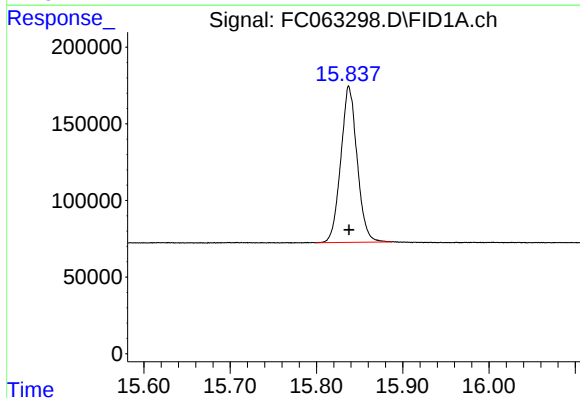
R.T.: 13.720 min
Delta R.T.: 0.000 min
Response: 1334187
Conc: 10.16 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



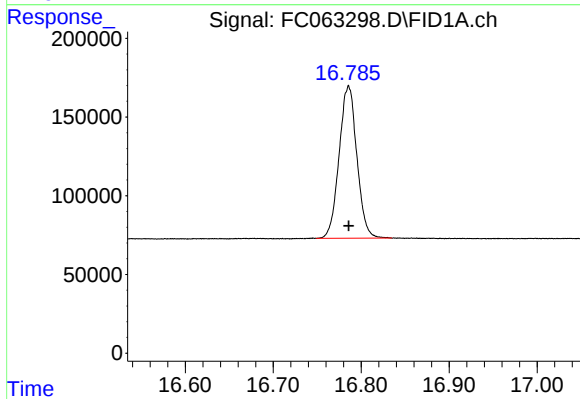
#14 n-Tetracosane (C24)

R.T.: 14.820 min
Delta R.T.: 0.000 min
Response: 1345462
Conc: 10.15 ug/ml



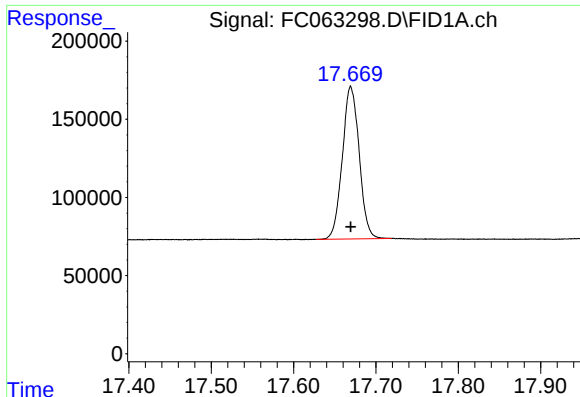
#15 n-Hexacosane (C26)

R.T.: 15.838 min
Delta R.T.: 0.000 min
Response: 1340503
Conc: 10.17 ug/ml



#16 n-Octacosane (C28)

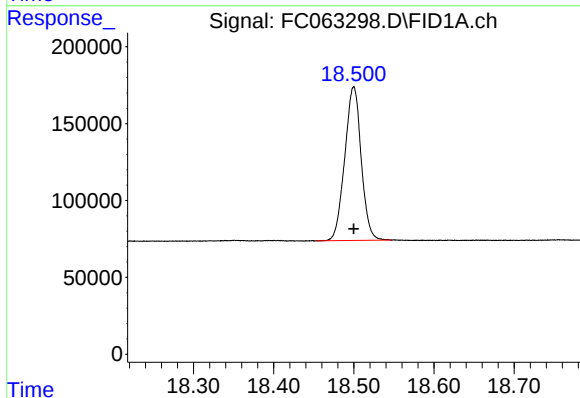
R.T.: 16.786 min
Delta R.T.: 0.000 min
Response: 1356166
Conc: 10.20 ug/ml



#17 n-Tricontane (C30)

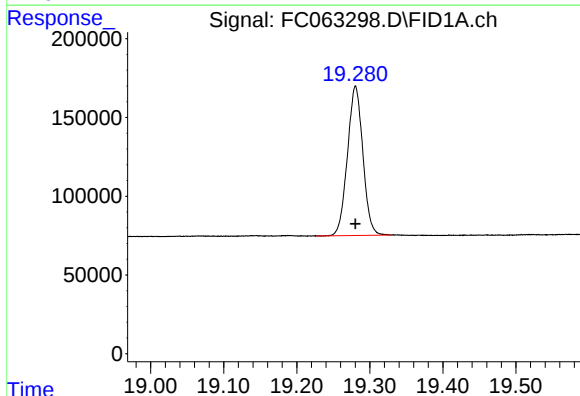
R.T.: 17.669 min
Delta R.T.: 0.000 min
Response: 1387537
Conc: 10.31 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



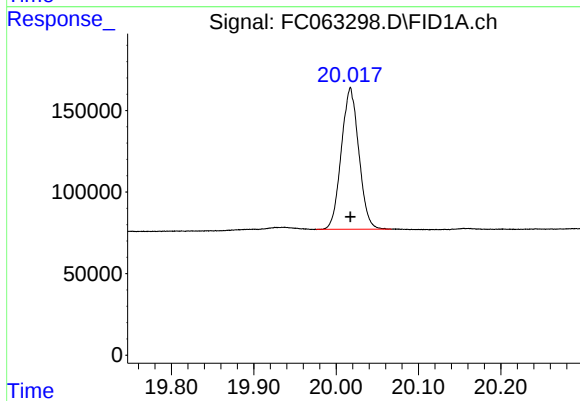
#18 n-Dotriacontane (C32)

R.T.: 18.500 min
Delta R.T.: 0.000 min
Response: 1424722
Conc: 10.42 ug/ml



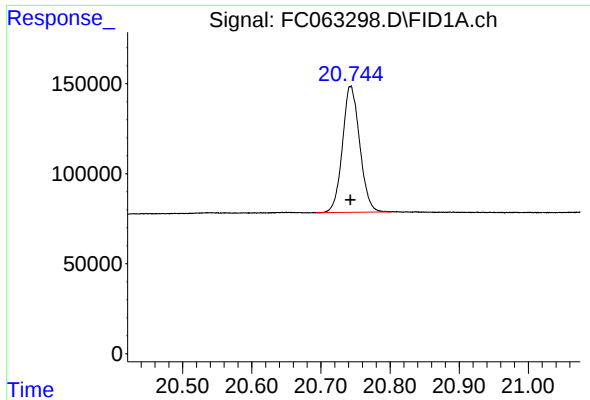
#19 n-Tetratriacontane (C34)

R.T.: 19.280 min
Delta R.T.: 0.000 min
Response: 1389036
Conc: 10.38 ug/ml



#20 n-Hexatriacontane (C36)

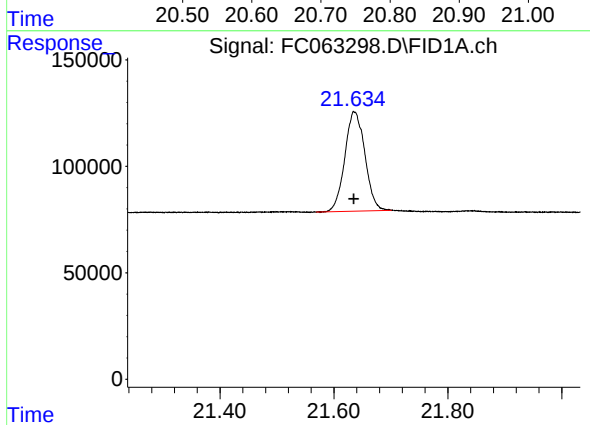
R.T.: 20.017 min
Delta R.T.: 0.000 min
Response: 1279701
Conc: 10.24 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.743 min
Delta R.T.: 0.000 min
Response: 1213770
Conc: 10.01 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



#22 n-Tetracontane (C40)

R.T.: 21.635 min
Delta R.T.: 0.000 min
Response: 1142214
Conc: 9.83 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040523AL\
Data File : FC063298.D
Signal(s) : FID1A.ch
Acq On : 05 Apr 2023 06:03
Sample : 10 PPM ALIPHATIC HC STD4
Misc :
ALS Vial : 14 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040523.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	3.298	3.271	3.340	BB	159245	1409726	92.73%	4.790%
2	4.363	4.339	4.409	BB	143406	1354327	89.09%	4.602%
3	5.948	5.917	6.006	BB	132119	1442915	94.91%	4.903%
4	6.382	6.351	6.415	BB	132497	1326614	87.26%	4.508%
5	7.005	6.974	7.083	BB	106500	1325324	87.18%	4.503%
6	8.176	8.140	8.235	BB	115860	1326737	87.27%	4.508%
7	9.775	9.744	9.844	BB	109239	1350694	88.85%	4.589%
8	11.215	11.186	11.274	BB	112365	1377610	90.62%	4.681%
9	11.527	11.496	11.571	BB	136987	1520263	100.00%	5.166%
10	12.523	12.488	12.568	BB	109055	1343964	88.40%	4.567%
11	12.965	12.933	13.011	BB	87840	1089718	71.68%	3.703%
12	13.133	13.099	13.177	BB	107742	1349264	88.75%	4.585%
13	13.720	13.685	13.771	BB	103333	1334187	87.76%	4.533%
14	14.820	14.783	14.871	BB	101331	1345462	88.50%	4.572%
15	15.838	15.800	15.887	BB	102034	1340503	88.18%	4.555%
16	16.786	16.749	16.835	BB	97051	1356166	89.21%	4.608%
17	17.669	17.627	17.719	BB	97764	1387537	91.27%	4.715%
18	18.500	18.453	18.547	BB	99970	1424722	93.72%	4.841%
19	19.280	19.226	19.330	BB	95091	1389036	91.37%	4.720%
20	20.017	19.976	20.067	BB	86949	1279701	84.18%	4.348%
21	20.743	20.693	20.802	BB	69678	1213770	79.84%	4.124%
22	21.635	21.569	21.701	BB	46605	1142214	75.13%	3.881%
Sum of corrected areas:							29430453	

Aliphatic EPH 040523.M Wed Apr 05 10:14:10 2023

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040523AL\
 Data File : FC063299.D
 Signal(s) : FID1A.ch
 Acq On : 05 Apr 2023 06:42
 Operator : YP/AJ
 Sample : 5 PPM ALIPHATIC HC STD5
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 5 PPM ALIPHATIC HC STD5

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 04/05/2023
 Supervised By :Ankita Jodhani 04/05/2023

Integration File: autoint1.e
 Quant Time: Apr 05 07:21:25 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040523.M
 Quant Title : GC Extractables
 QLast Update : Wed Apr 05 07:18:53 2023
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.528	817993	5.376 ug/ml
Spiked Amount 50.000		Recovery =	10.75%
12) S 1-chlorooctadecane (S...	12.967	564160	5.099 ug/ml
Spiked Amount 50.000		Recovery =	10.20%
Target Compounds			
1) T n-Nonane (C9)	3.297	738076	5.257 ug/ml
2) T n-Decane (C10)	4.364	703852	5.165 ug/ml
3) T A~Naphthalene (C11.7)	5.949	773052	5.113 ug/mlm
4) T n-Dodecane (C12)	6.382	685946	5.099 ug/ml
5) T A~2-methylnaphthalene...	7.005	703769	5.053 ug/mlm
6) T n-Tetradecane (C14)	8.177	711107	5.255 ug/mlm
7) T n-Hexadecane (C16)	9.776	697781	5.138 ug/ml
8) T n-Octadecane (C18)	11.216	738438	5.331 ug/ml
10) T n-Eicosane (C20)	12.523	718428	5.347 ug/ml
11) T n-Heneicosane (C21)	13.133	717988	5.335 ug/ml
13) T n-Docosane (C22)	13.718	707589	5.306 ug/ml
14) T n-Tetracosane (C24)	14.818	710618	5.285 ug/ml
15) T n-Hexacosane (C26)	15.837	709764	5.303 ug/ml
16) T n-Octacosane (C28)	16.784	727119	5.370 ug/ml
17) T n-Tricontane (C30)	17.669	767056	5.545 ug/ml
18) T n-Dotriacontane (C32)	18.499	794872	5.630 ug/ml
19) T n-Tetratriacontane (C34)	19.279	773070	5.602 ug/ml
20) T n-Hexatriacontane (C36)	20.017	696980	5.453 ug/ml
21) T n-Octatriacontane (C38)	20.743	654001	5.311 ug/ml
22) T n-Tetracontane (C40)	21.637	618347	5.255 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040523AL\
Data File : FC063299.D
Signal(s) : FID1A.ch
Acq On : 05 Apr 2023 06:42
Operator : YP/AJ
Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 15 Sample Multiplier: 1

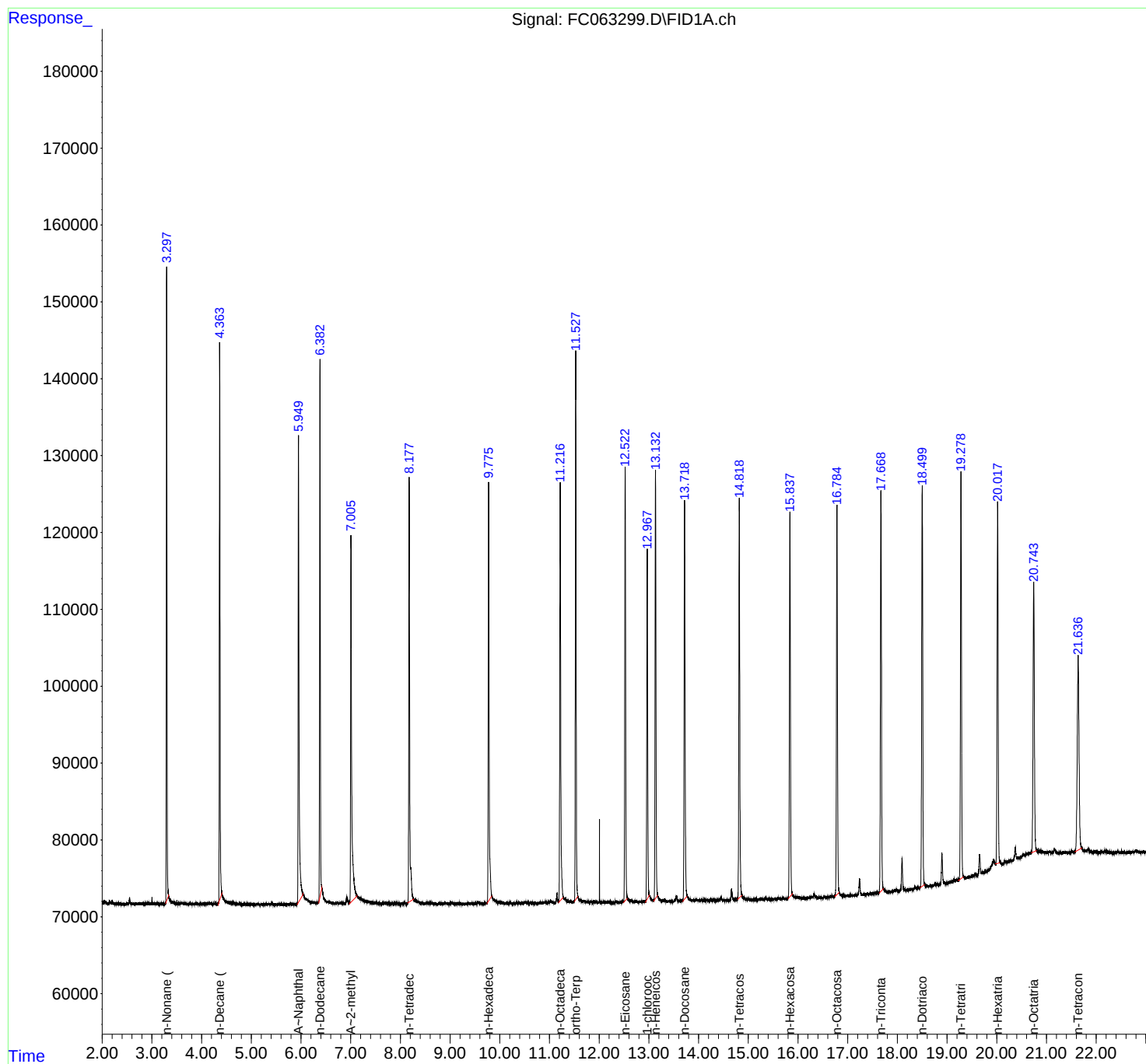
Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5

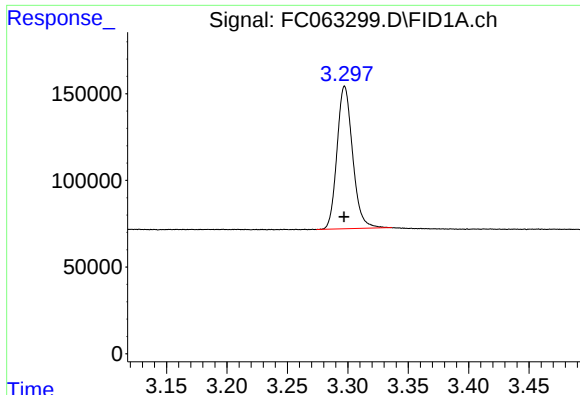
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 04/05/2023
Supervised By :Ankita Jodhani 04/05/2023

Integration File: autoint1.e
Quant Time: Apr 05 07:21:25 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040523.M
Quant Title : GC Extractables
QLast Update : Wed Apr 05 07:18:53 2023
Response via : Initial Calibration
Integrator: ChemStation

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





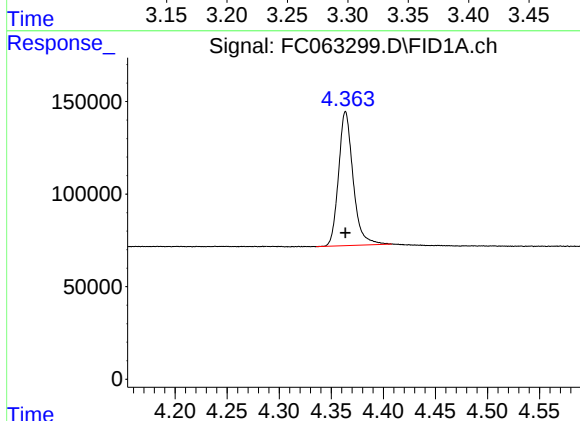
#1 n-Nonane (C9)

R.T.: 3.297 min
Delta R.T.: 0.000 min
Response: 738076
Conc: 5.26 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5

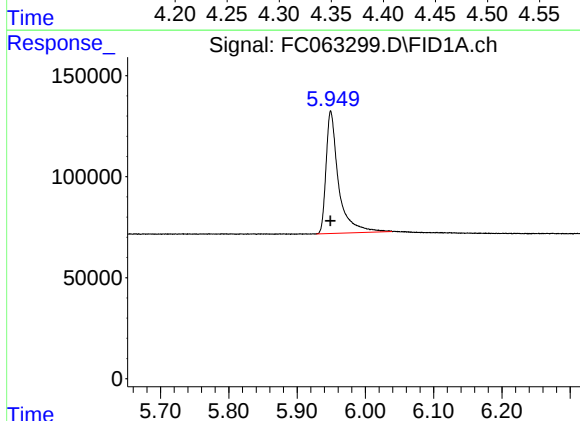
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 04/05/2023
Supervised By :Ankita Jodhani 04/05/2023



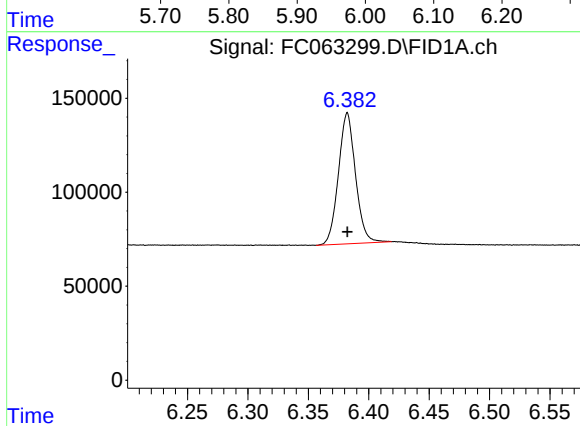
#2 n-Decane (C10)

R.T.: 4.364 min
Delta R.T.: 0.000 min
Response: 703852
Conc: 5.17 ug/ml



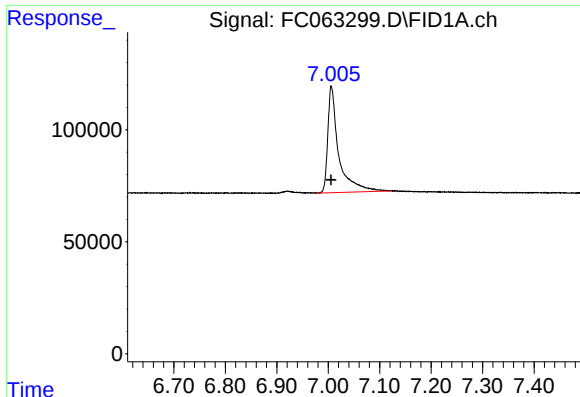
#3 A~Naphthalene (C11.7)

R.T.: 5.949 min
Delta R.T.: 0.000 min
Response: 773052
Conc: 5.11 ug/ml m



#4 n-Dodecane (C12)

R.T.: 6.382 min
Delta R.T.: 0.000 min
Response: 685946
Conc: 5.10 ug/ml



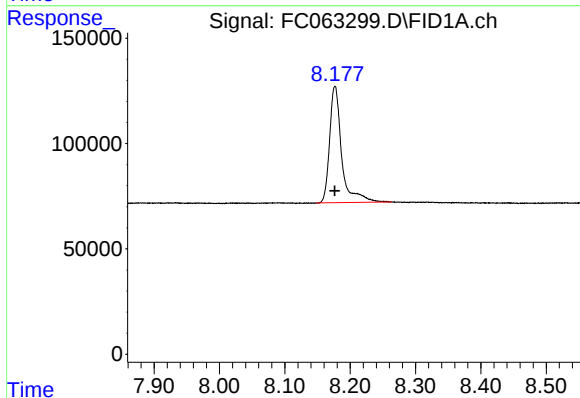
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.005 min
Delta R.T.: 0.000 min
Response: 703769
Conc: 5.05 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5

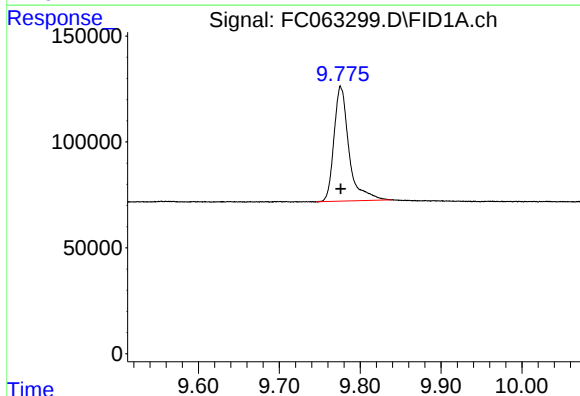
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 04/05/2023
Supervised By :Ankita Jodhani 04/05/2023



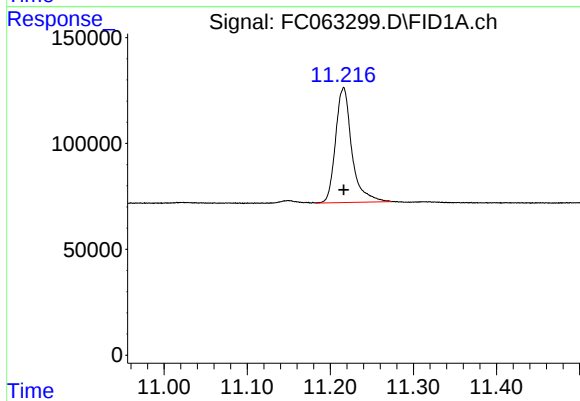
#6 n-Tetradecane (C14)

R.T.: 8.177 min
Delta R.T.: 0.000 min
Response: 711107
Conc: 5.25 ug/ml m



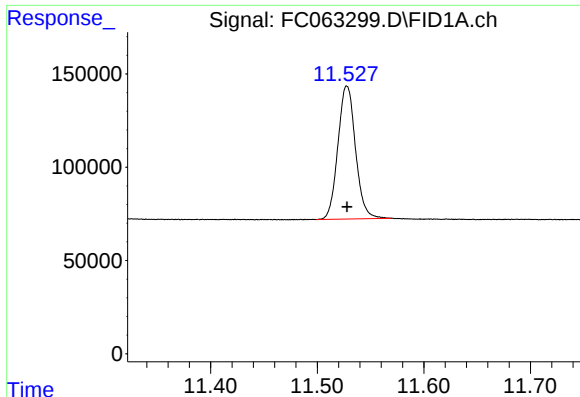
#7 n-Hexadecane (C16)

R.T.: 9.776 min
Delta R.T.: 0.000 min
Response: 697781
Conc: 5.14 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.216 min
Delta R.T.: 0.000 min
Response: 738438
Conc: 5.33 ug/ml



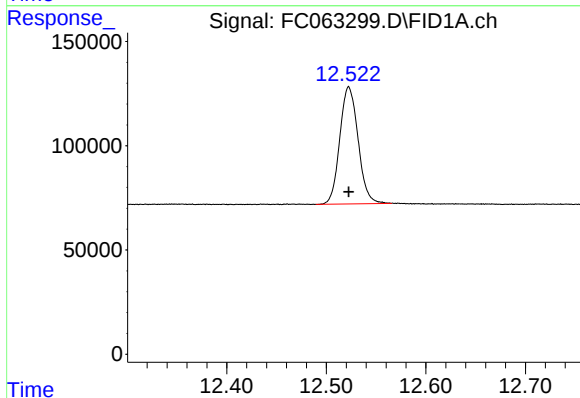
#9 ortho-Terphenyl (SURR)

R.T.: 11.528 min
Delta R.T.: 0.000 min
Response: 817993
Conc: 5.38 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5

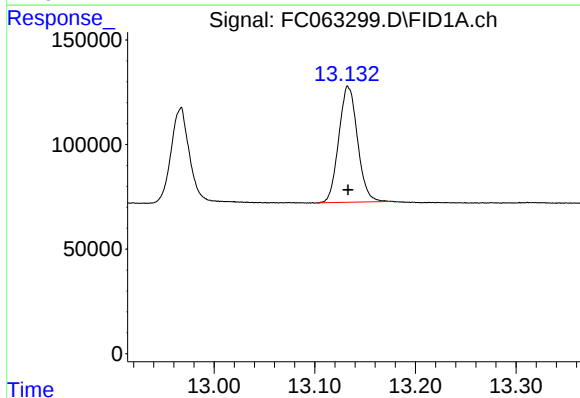
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 04/05/2023
Supervised By :Ankita Jodhani 04/05/2023



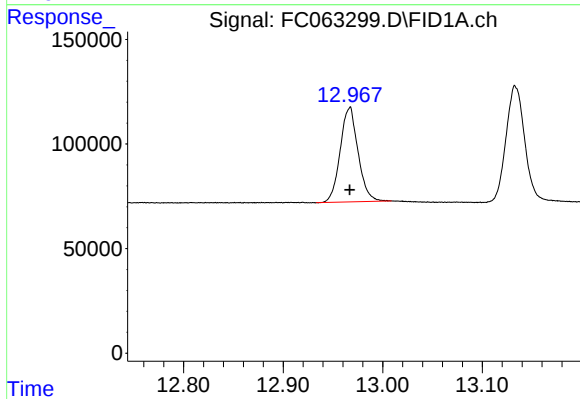
#10 n-Eicosane (C20)

R.T.: 12.523 min
Delta R.T.: 0.000 min
Response: 718428
Conc: 5.35 ug/ml



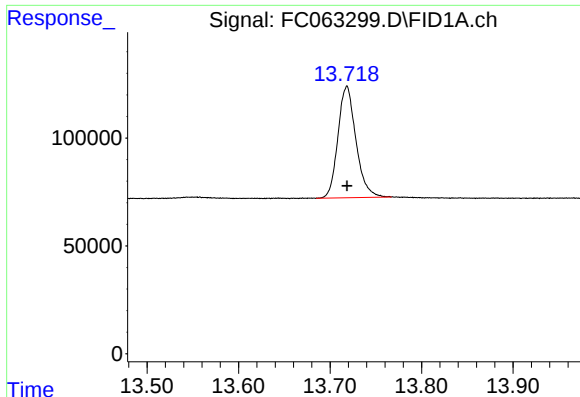
#11 n-Heneicosane (C21)

R.T.: 13.133 min
Delta R.T.: 0.000 min
Response: 717988
Conc: 5.33 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.967 min
Delta R.T.: 0.000 min
Response: 564160
Conc: 5.10 ug/ml



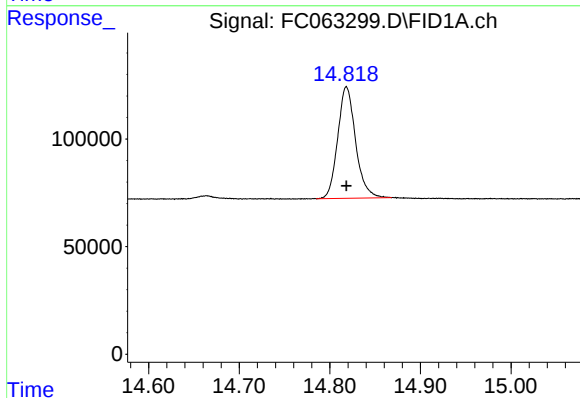
#13 n-Docosane (C22)

R.T.: 13.718 min
Delta R.T.: 0.000 min
Response: 707589
Conc: 5.31 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5

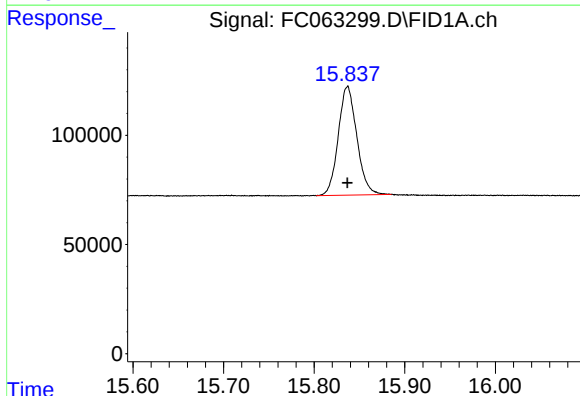
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 04/05/2023
Supervised By :Ankita Jodhani 04/05/2023



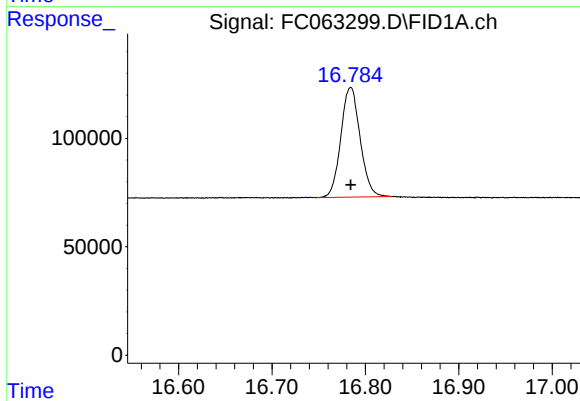
#14 n-Tetracosane (C24)

R.T.: 14.818 min
Delta R.T.: 0.000 min
Response: 710618
Conc: 5.29 ug/ml



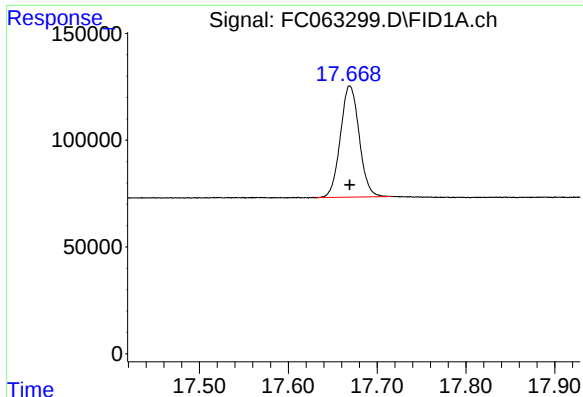
#15 n-Hexacosane (C26)

R.T.: 15.837 min
Delta R.T.: 0.000 min
Response: 709764
Conc: 5.30 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.784 min
Delta R.T.: 0.000 min
Response: 727119
Conc: 5.37 ug/ml



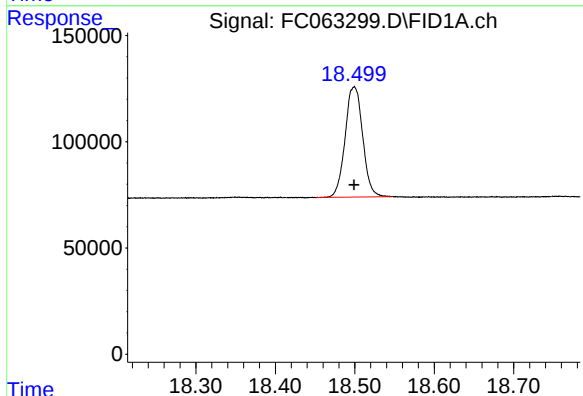
#17 n-Tricontane (C30)

R.T.: 17.669 min
Delta R.T.: 0.000 min
Response: 767056
Conc: 5.54 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5

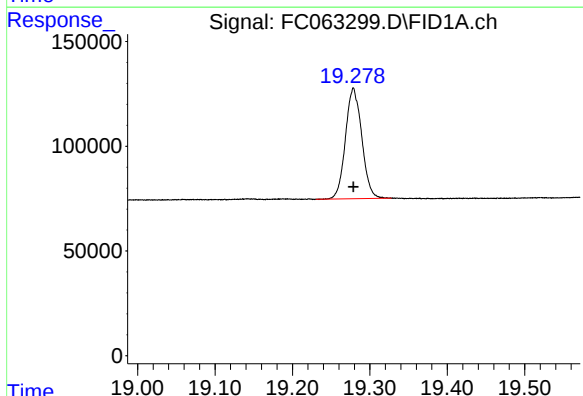
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 04/05/2023
Supervised By :Ankita Jodhani 04/05/2023



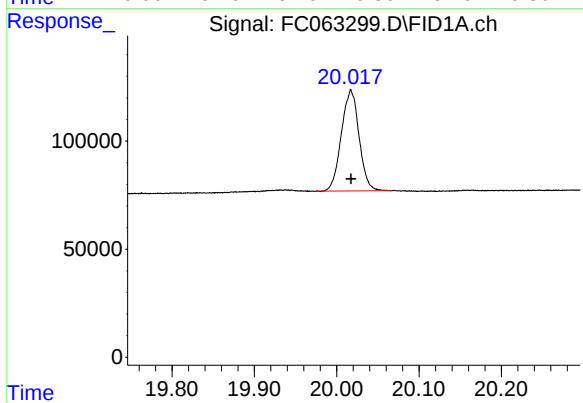
#18 n-Dotriacontane (C32)

R.T.: 18.499 min
Delta R.T.: 0.000 min
Response: 794872
Conc: 5.63 ug/ml



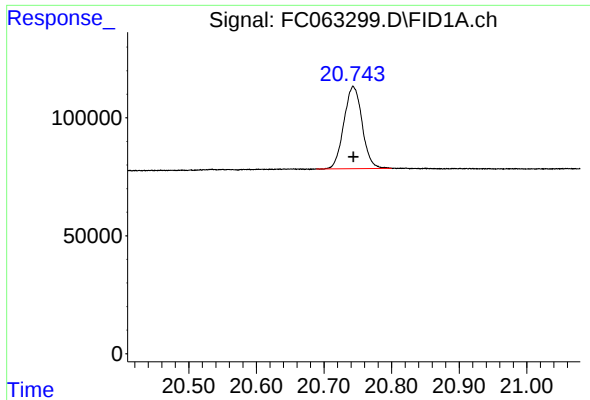
#19 n-Tetratriacontane (C34)

R.T.: 19.279 min
Delta R.T.: 0.000 min
Response: 773070
Conc: 5.60 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.017 min
Delta R.T.: 0.000 min
Response: 696980
Conc: 5.45 ug/ml



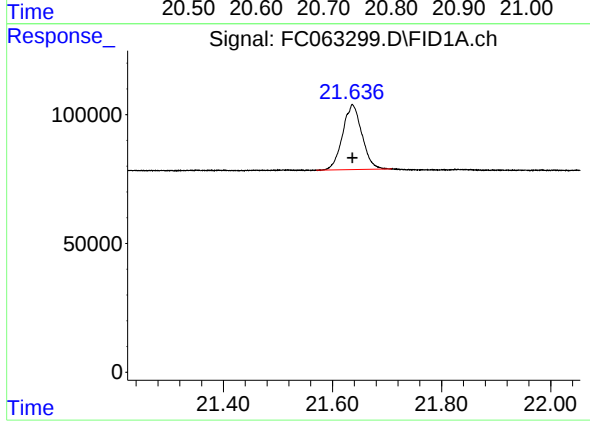
#21 n-Octatriacontane (C38)

R.T.: 20.743 min
Delta R.T.: 0.000 min
Response: 654001
Conc: 5.31 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 04/05/2023
Supervised By :Ankita Jodhani 04/05/2023



#22 n-Tetracontane (C40)

R.T.: 21.637 min
Delta R.T.: 0.000 min
Response: 618347
Conc: 5.25 ug/ml

rteres

Instrument :
FID_C

LabSampleId :
5 PPM ALIPHATIC HC STD5

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 04/05/2023
Supervised By :Ankita Jodhani 04/05/2023

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040523
Data File : FC063299.D
Signal(s) : FID1A.ch
Acq On : 05 Apr 2023 06:42
Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 15 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040523.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	3.297	3.274	3.336	BB	82319	738076	90.23%	4.772%
2	4.364	4.336	4.408	BB	72495	703852	86.05%	4.551%
3	5.949	5.926	6.006	BB	60112	719719	87.99%	4.653%
4	6.382	6.356	6.419	BB	69834	685946	83.86%	4.435%
5	7.006	6.973	7.067	BB	46422	604737	73.93%	3.910%
6	8.177	8.147	8.214	BB	53603	600092	73.36%	3.880%
7	9.776	9.746	9.839	BB	53691	697781	85.30%	4.512%
8	11.216	11.183	11.274	BB	54529	738438	90.27%	4.774%
9	11.528	11.499	11.570	BB	71196	817993	100.00%	5.289%
10	12.523	12.490	12.566	BB	56336	718428	87.83%	4.645%
11	12.967	12.933	13.009	BB	45330	564160	68.97%	3.648%
12	13.133	13.101	13.176	BB	55370	717988	87.77%	4.642%
13	13.718	13.685	13.767	BB	51833	707589	86.50%	4.575%
14	14.818	14.785	14.868	BB	51916	710618	86.87%	4.595%
15	15.837	15.802	15.886	BB	49598	709764	86.77%	4.589%
16	16.784	16.747	16.828	BB	50641	727119	88.89%	4.701%
17	17.669	17.631	17.716	BB	52067	767056	93.77%	4.959%
18	18.499	18.451	18.546	BB	52120	794872	97.17%	5.139%
19	19.279	19.231	19.328	BB	52970	773070	94.51%	4.998%
20	20.017	19.975	20.067	BB	46808	696980	85.21%	4.506%
21	20.743	20.688	20.800	BB	34975	654001	79.95%	4.228%
22	21.637	21.570	21.708	BB	25255	618347	75.59%	3.998%
Sum of corrected areas:						15466624		

Aliphatic EPH 040523.M Wed Apr 05 10:14:26 2023

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040523AL\
 Data File : FC063300.D
 Signal(s) : FID1A.ch
 Acq On : 05 Apr 2023 07:22
 Operator : YP/AJ
 Sample : 20 PPM ALIPHATIC HC STD ICV
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 20 PPM ALIPHATIC HC STD ICV

Integration File: autoint1.e
 Quant Time: Apr 05 07:49:32 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040523.M
 Quant Title : GC Extractables
 QLast Update : Wed Apr 05 07:22:46 2023
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.529	2754346	18.103 ug/ml
Spiked Amount 50.000		Recovery =	36.21%
12) S 1-chlorooctadecane (S...	12.966	2003135	18.104 ug/ml
Spiked Amount 50.000		Recovery =	36.21%
Target Compounds			
1) T n-Nonane (C9)	3.296	2629431	18.729 ug/ml
2) T n-Decane (C10)	4.363	2481642	18.211 ug/ml
3) T A~Naphthalene (C11.7)	5.946	2723014	18.033 ug/ml
4) T n-Dodecane (C12)	6.382	2452835	18.233 ug/ml
5) T A~2-methylnaphthalene...	7.003	2518363	18.081 ug/ml
6) T n-Tetradecane (C14)	8.176	2475104	18.283 ug/ml
7) T n-Hexadecane (C16)	9.776	2477055	18.241 ug/ml
8) T n-Octadecane (C18)	11.215	2499234	18.043 ug/ml
10) T n-Eicosane (C20)	12.523	2425734	18.055 ug/ml
11) T n-Heneicosane (C21)	13.135	2431268	18.065 ug/ml
13) T n-Docosane (C22)	13.719	2400743	18.003 ug/ml
14) T n-Tetracosane (C24)	14.818	2403816	17.878 ug/ml
15) T n-Hexacosane (C26)	15.838	2389119	17.849 ug/ml
16) T n-Octacosane (C28)	16.785	2392835	17.672 ug/ml
17) T n-Tricontane (C30)	17.669	2411413	17.432 ug/ml
18) T n-Dotriacontane (C32)	18.499	2453927	17.382 ug/ml
19) T n-Tetratriacontane (C34)	19.282	2448471	17.742 ug/ml
20) T n-Hexatriacontane (C36)	20.019	2347459	18.366 ug/ml
21) T n-Octatriacontane (C38)	20.742	2268347	18.422 ug/ml
22) T n-Tetracontane (C40)	21.637	2048305	17.406 ug/ml

(f)=RT Delta > 1/2 Window

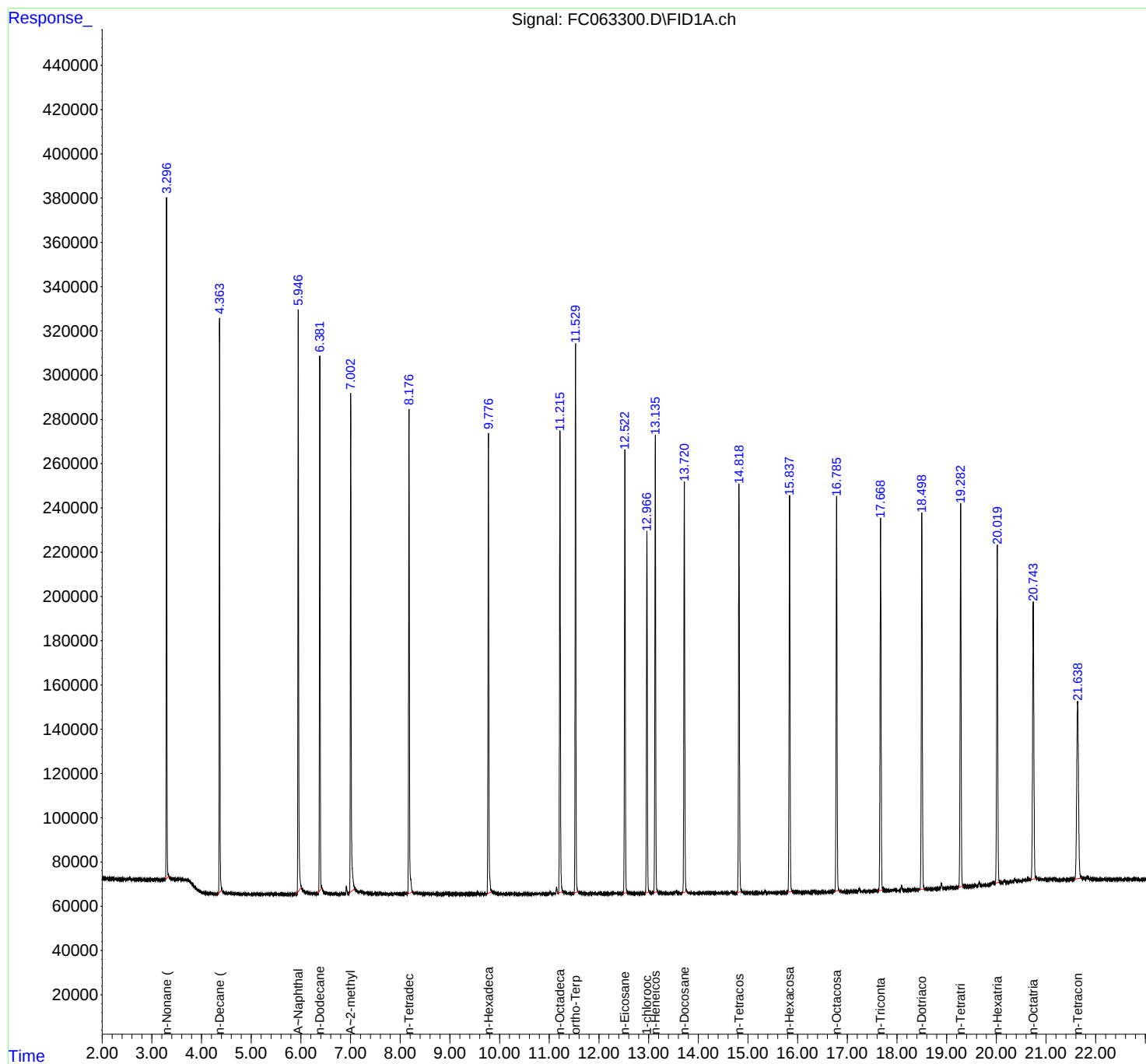
(m)=manual int.

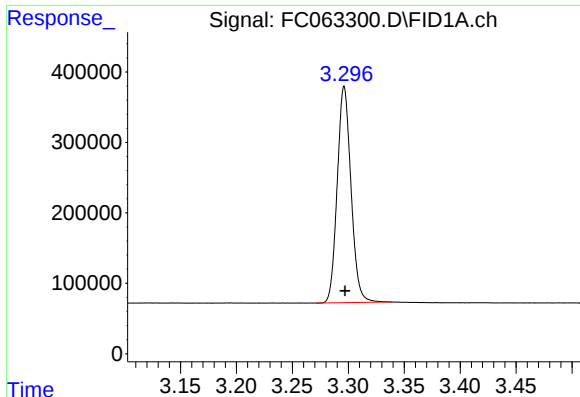
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040523AL\
Data File : FC063300.D
Signal(s) : FID1A.ch
Acq On : 05 Apr 2023 07:22
Operator : YP/AJ
Sample : 20 PPM ALIPHATIC HC STD ICV
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV

Integration File: autoint1.e
Quant Time: Apr 05 07:49:32 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040523.M
Quant Title : GC Extractables
QLast Update : Wed Apr 05 07:22:46 2023
Response via : Initial Calibration
Integrator: ChemStation

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





#1 n-Nonane (C9)

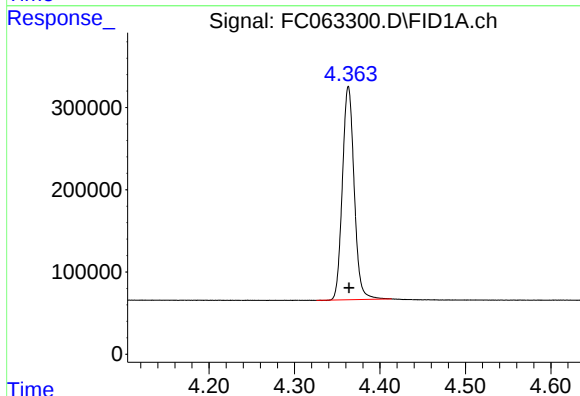
R.T.: 3.296 min
Delta R.T.: 0.000 min
Response: 2629431
Conc: 18.73 ug/ml

Instrument :

FID_C

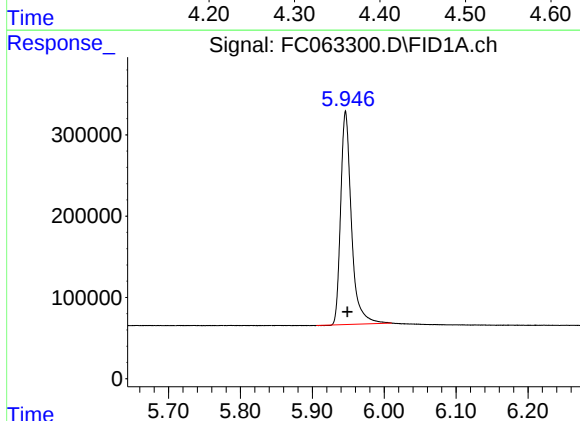
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



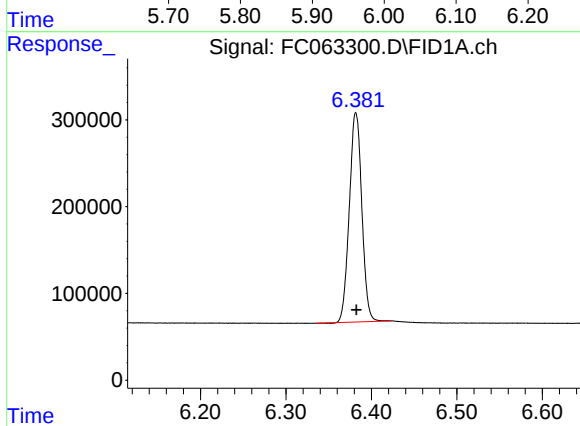
#2 n-Decane (C10)

R.T.: 4.363 min
Delta R.T.: 0.000 min
Response: 2481642
Conc: 18.21 ug/ml



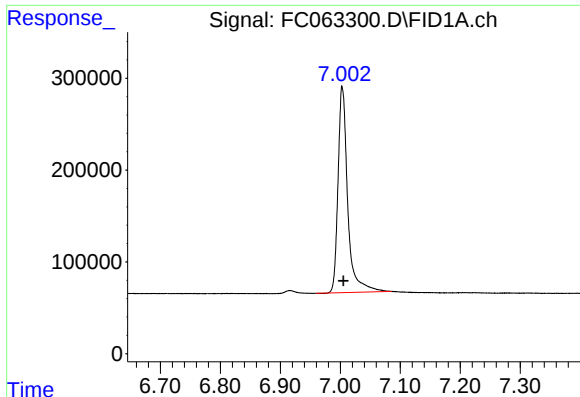
#3 A~Naphthalene (C11.7)

R.T.: 5.946 min
Delta R.T.: -0.002 min
Response: 2723014
Conc: 18.03 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.382 min
Delta R.T.: 0.000 min
Response: 2452835
Conc: 18.23 ug/ml



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

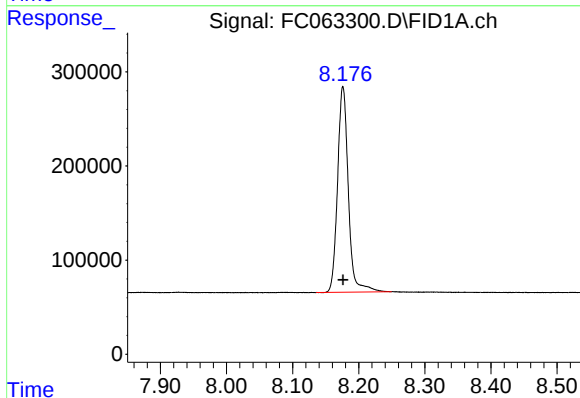
R.T.: 7.003 min
Delta R.T.: -0.002 min
Response: 2518363
Conc: 18.08 ug/ml

Instrument :

FID_C

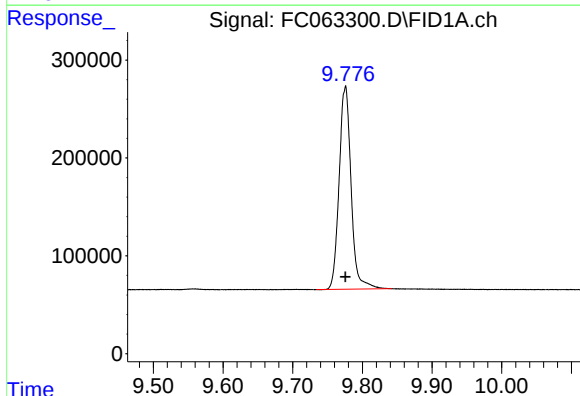
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



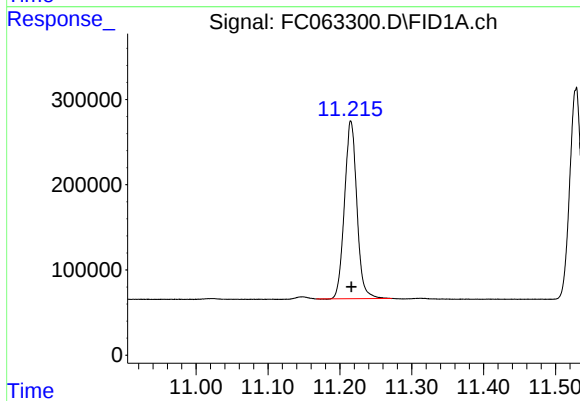
#6 n-Tetradecane (C14)

R.T.: 8.176 min
Delta R.T.: 0.000 min
Response: 2475104
Conc: 18.28 ug/ml



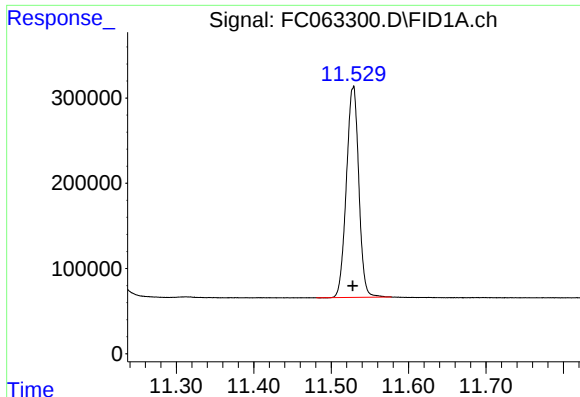
#7 n-Hexadecane (C16)

R.T.: 9.776 min
Delta R.T.: 0.000 min
Response: 2477055
Conc: 18.24 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.215 min
Delta R.T.: 0.000 min
Response: 2499234
Conc: 18.04 ug/ml



#9 ortho-Terphenyl (SURR)

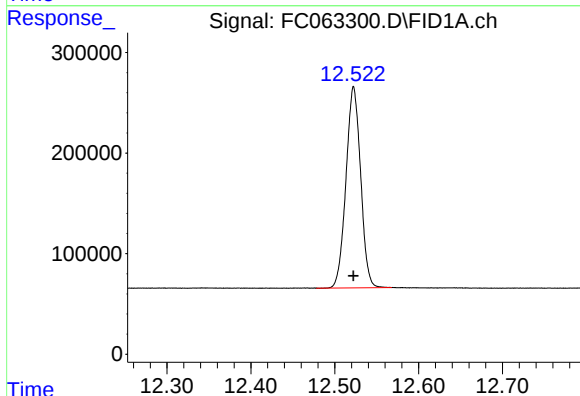
R.T.: 11.529 min
Delta R.T.: 0.000 min
Response: 2754346
Conc: 18.10 ug/ml

Instrument :

FID_C

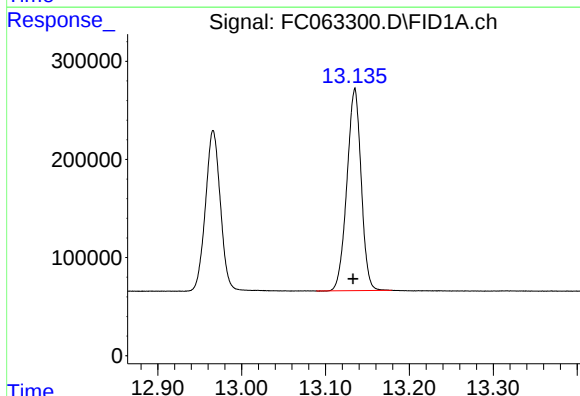
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



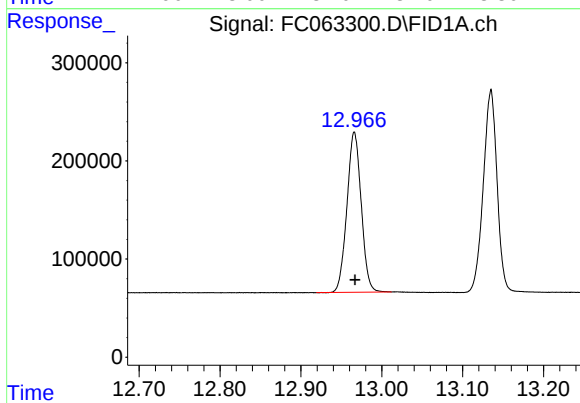
#10 n-Eicosane (C20)

R.T.: 12.523 min
Delta R.T.: 0.000 min
Response: 2425734
Conc: 18.06 ug/ml



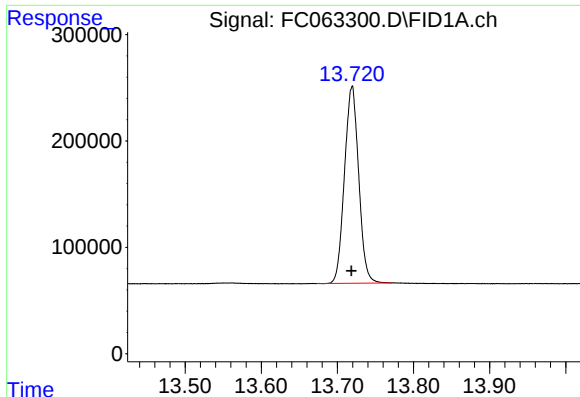
#11 n-Heneicosane (C21)

R.T.: 13.135 min
Delta R.T.: 0.002 min
Response: 2431268
Conc: 18.06 ug/ml



#12 1-chlorooctadecane (SURR)

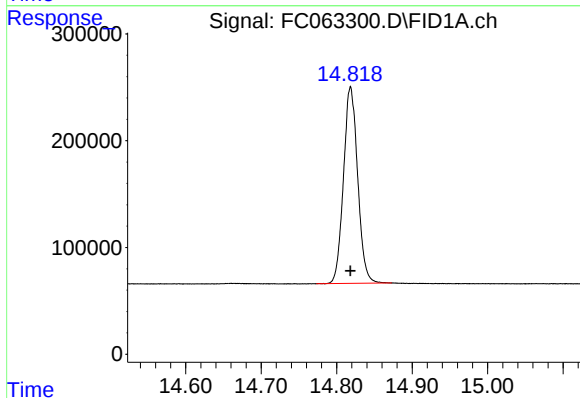
R.T.: 12.966 min
Delta R.T.: 0.000 min
Response: 2003135
Conc: 18.10 ug/ml



#13 n-Docosane (C22)

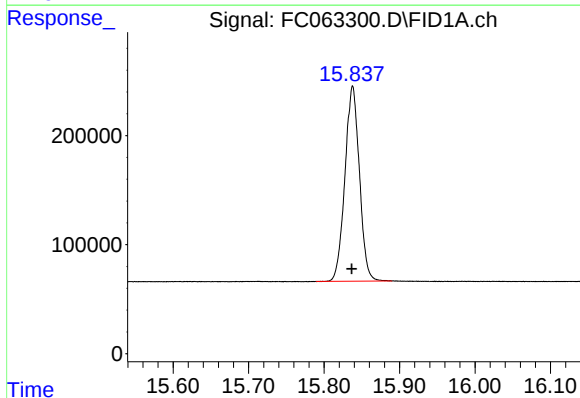
R.T.: 13.719 min
Delta R.T.: 0.000 min
Response: 2400743
Conc: 18.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



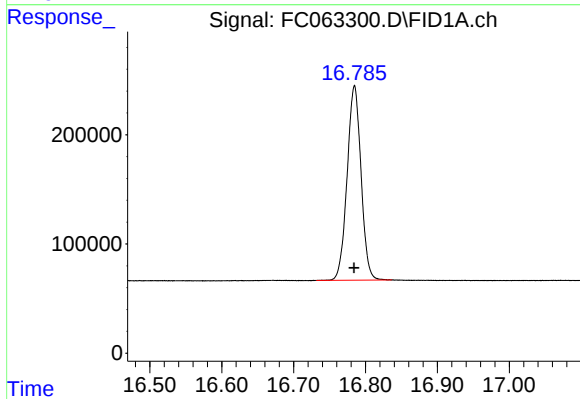
#14 n-Tetracosane (C24)

R.T.: 14.818 min
Delta R.T.: 0.000 min
Response: 2403816
Conc: 17.88 ug/ml



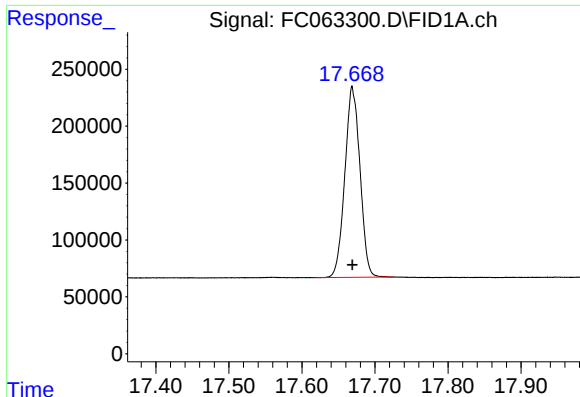
#15 n-Hexacosane (C26)

R.T.: 15.838 min
Delta R.T.: 0.001 min
Response: 2389119
Conc: 17.85 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.785 min
Delta R.T.: 0.000 min
Response: 2392835
Conc: 17.67 ug/ml



#17 n-Tricontane (C30)

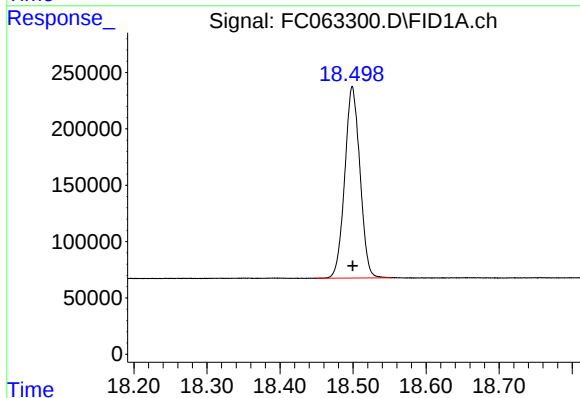
R.T.: 17.669 min
Delta R.T.: 0.000 min
Response: 2411413
Conc: 17.43 ug/ml

Instrument :

FID_C

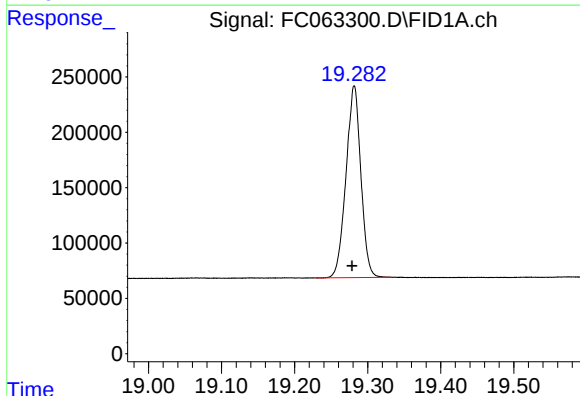
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



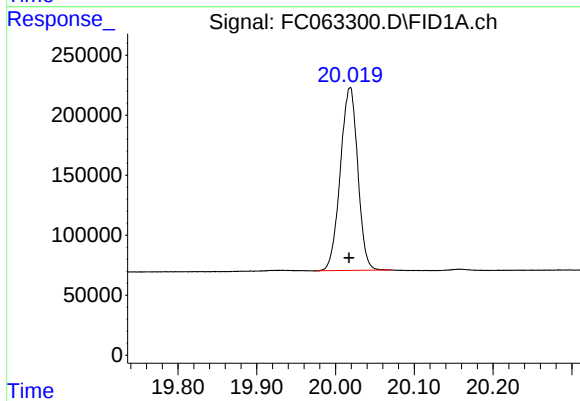
#18 n-Dotriacontane (C32)

R.T.: 18.499 min
Delta R.T.: 0.000 min
Response: 2453927
Conc: 17.38 ug/ml



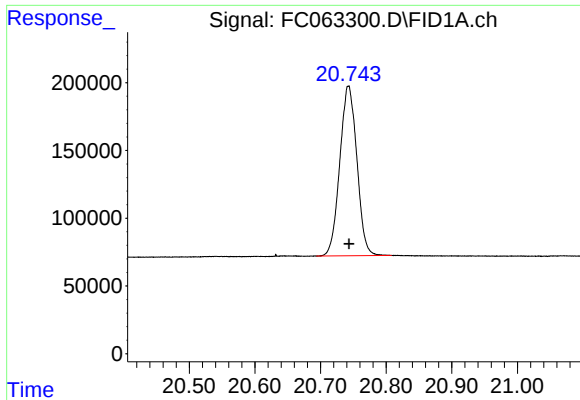
#19 n-Tetratriacontane (C34)

R.T.: 19.282 min
Delta R.T.: 0.003 min
Response: 2448471
Conc: 17.74 ug/ml



#20 n-Hexatriacontane (C36)

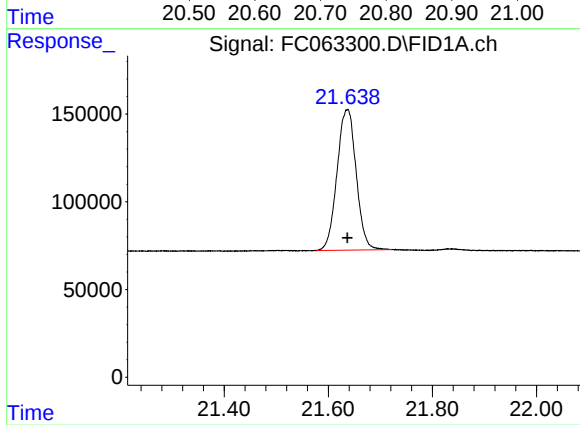
R.T.: 20.019 min
Delta R.T.: 0.001 min
Response: 2347459
Conc: 18.37 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.742 min
Delta R.T.: 0.000 min
Response: 2268347
Conc: 18.42 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



#22 n-Tetracontane (C40)

R.T.: 21.637 min
Delta R.T.: 0.000 min
Response: 2048305
Conc: 17.41 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040523AL\
Data File : FC063300.D
Signal(s) : FID1A.ch
Acq On : 05 Apr 2023 07:22
Sample : 20 PPM ALIPHATIC HC STD ICV
Misc :
ALS Vial : 16 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040523.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	3.296	3.271	3.339	BB	307576	2629431	95.46%	4.921%
2	4.363	4.325	4.414	BB	259467	2481642	90.10%	4.644%
3	5.946	5.906	6.011	BB	262751	2723014	98.86%	5.096%
4	6.382	6.336	6.424	BB	241157	2452835	89.05%	4.590%
5	7.003	6.960	7.086	BB	224279	2518363	91.43%	4.713%
6	8.176	8.136	8.250	BB	218702	2475104	89.86%	4.632%
7	9.776	9.734	9.842	BB	206917	2477055	89.93%	4.636%
8	11.215	11.167	11.272	BB	208420	2499234	90.74%	4.677%
9	11.529	11.481	11.578	BB	246889	2754346	100.00%	5.155%
10	12.523	12.478	12.568	BB	200355	2425734	88.07%	4.540%
11	12.966	12.919	13.012	BB	163516	2003135	72.73%	3.749%
12	13.135	13.089	13.179	BB	205810	2431268	88.27%	4.550%
13	13.719	13.672	13.771	BB	185575	2400743	87.16%	4.493%
14	14.818	14.773	14.873	BB	184304	2403816	87.27%	4.499%
15	15.838	15.790	15.890	BB	179037	2389119	86.74%	4.471%
16	16.785	16.731	16.836	BB	178315	2392835	86.87%	4.478%
17	17.669	17.620	17.723	BB	167850	2411413	87.55%	4.513%
18	18.499	18.450	18.553	BB	170064	2453927	89.09%	4.592%
19	19.282	19.230	19.333	BB	173199	2448471	88.89%	4.582%
20	20.019	19.976	20.071	BB	152526	2347459	85.23%	4.393%
21	20.742	20.693	20.808	BB	125359	2268347	82.36%	4.245%
22	21.637	21.577	21.722	BB	80007	2048305	74.37%	3.833%
Sum of corrected areas:							53435595	

Aliphatic EPH 040523.M Wed Apr 05 10:14:43 2023