

Initial Calibration Report for SequenceID : FC072323AL

AreaCount

Parameter Range	FC064238.D	FC064239.D	FC064240.D	FC064241.D	FC064242.D	
Aliphatic C9-C12	46988259.000	23213178.000	10008585.000	5147217.000	2479330.000	
Aliphatic C12-C16	30470172.000	15006190.000	6494127.000	3286596.000	1565163.000	
Aliphatic C16-C21	42929068.000	21322406.000	9350732.000	4762753.000	2343023.000	
Aliphatic C21-C28	52167418.000	26136392.000	11466159.000	5821632.000	2865673.000	
Aliphatic C28-C40	75067311.000	37833031.000	16604035.000	8644161.000	4590483.000	
Aliphatic EPH	247622228.000	123511197.000	53923638.000	27662359.000	13843672.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aliphatic C9-C12	163010.8733332	4.358				
Aliphatic C12-C16	157122.407	3.927				
Aliphatic C16-C21	151210.353333	5.242				
Aliphatic C21-C28	138650.3885	5.374				
Aliphatic C28-C40	137334.9393332	8.675				
Aliphatic EPH	146417.7602218	5.73				

Concentration

Parameter Range	FC064238.D	FC064239.D	FC064240.D	FC064241.D	FC064242.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	FC064238.D	FC064239.D	FC064240.D	FC064241.D	FC064242.D	
Aliphatic C9-C12	156627.530000	154754.520000	166809.750000	171573.900000	165288.666666	
Aliphatic C12-C16	152350.860000	150061.900000	162353.175000	164329.800000	156516.300000	
Aliphatic C16-C21	143096.893333	142149.373333	155845.533333	158758.433333	156201.533333	
Aliphatic C21-C28	130418.545000	130681.960000	143326.987500	145540.800000	143283.650000	
Aliphatic C28-C40	125112.185000	126110.103333	138366.958333	144069.350000	153016.100000	



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

Initial Calibration Report for SequenceID : FC072323AL

Aliphatic EPH	137567.904444	137234.663333	149787.883333	153679.772222	153818.577777	
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Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC072323AL\
 Data File : FC064238.D
 Signal(s) : FID1A.ch
 Acq On : 23 Jul 2023 03:36
 Operator : YP/AJ
 Sample : 100 PPM ALIPHATIC HC STD1
 Misc :
 ALS Vial : 82 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 100 PPM ALIPHATIC HC STD1

Integration File: autoint1.e
 Quant Time: Jul 24 01:43:30 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 072323.M
 Quant Title : GC Extractables
 QLast Update : Mon Jul 24 01:41:11 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)	11.524	16882330	91.845 ug/ml
Spiked Amount 50.000		Recovery =	183.69%
12) S 1-chlorooctadecane (S...	12.955	12118086	92.763 ug/ml
Spiked Amount 50.000		Recovery =	185.53%
Target Compounds			
1) T n-Nonane (C9)	3.304	15530998	93.932 ug/ml
2) T n-Decane (C10)	4.367	15751193	94.009 ug/ml
3) T A~Naphthalene (C11.7)	5.948	16787292	98.300 ug/ml
4) T n-Dodecane (C12)	6.382	15706068	93.748 ug/ml
5) T A~2-methylnaphthalene...	7.004	16015812	99.010 ug/ml
6) T n-Tetradecane (C14)	8.173	15197372	93.856 ug/ml
7) T n-Hexadecane (C16)	9.770	15272800	93.822 ug/ml
8) T n-Octadecane (C18)	11.210	15068967	92.225 ug/ml
10) T n-Eicosane (C20)	12.513	14113220	91.701 ug/ml
11) T n-Heneicosane (C21)	13.123	13746881	91.500 ug/ml
13) T n-Docosane (C22)	13.707	13516246	91.623 ug/ml
14) T n-Tetracosane (C24)	14.806	13212531	90.919 ug/ml
15) T n-Hexacosane (C26)	15.824	12869160	90.628 ug/ml
16) T n-Octacosane (C28)	16.770	12569481	90.776 ug/ml
17) T n-Tricontane (C30)	17.654	12701166	89.926 ug/ml
18) T n-Dotriacontane (C32)	18.484	12580940	89.657 ug/ml
19) T n-Tetratriacontane (C34)	19.265	12554847	90.068 ug/ml
20) T n-Hexatriacontane (C36)	20.002	12398792	90.826 ug/ml
21) T n-Octatriacontane (C38)	20.725	12453056	90.675 ug/ml
22) T n-Tetracontane (C40)	21.614	12378510	91.424 ug/ml

(f)=RT Delta > 1/2 Window

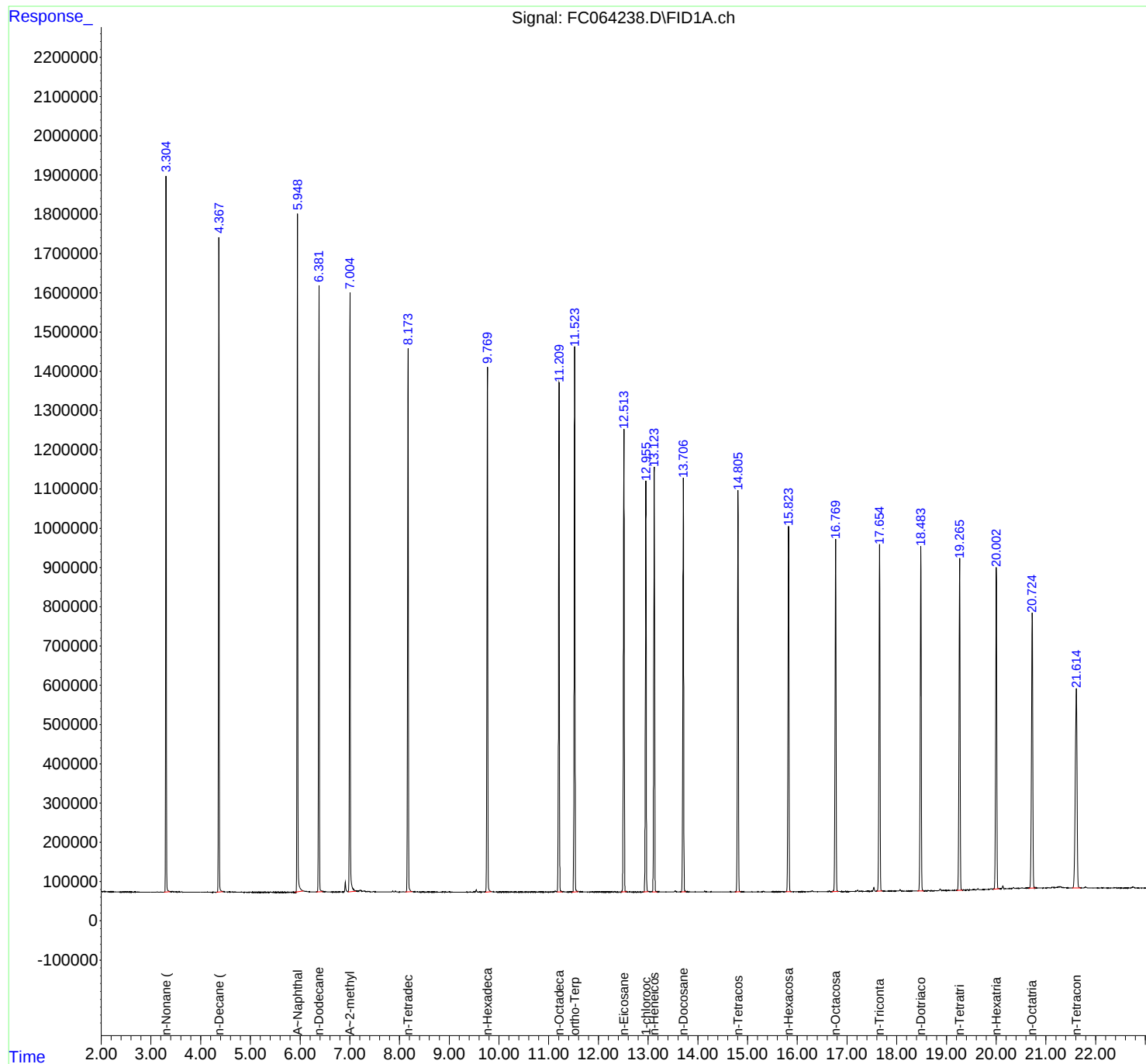
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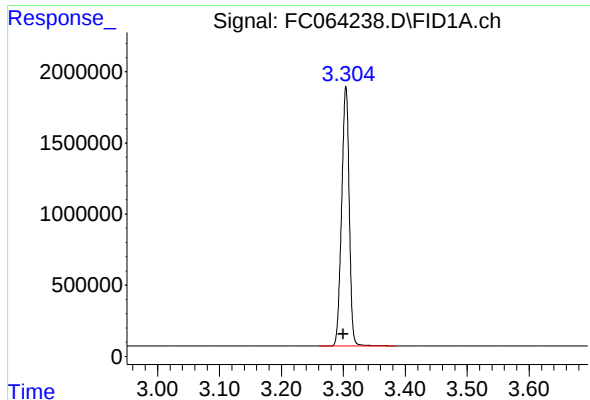
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Data File : FC064238.D
Signal(s) : FID1A.ch
Acq On : 23 Jul 2023 03:36
Operator : YP/AJ
Sample : 100 PPM ALIPHATIC HC STD1
Misc :
ALS Vial : 82 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1

Integration File: autoint1.e
Quant Time: Jul 24 01:43:30 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 072323.M
Quant Title : GC Extractables
QLast Update : Mon Jul 24 01:41:11 2023
Response via : Initial Calibration
Integrator: ChemStation

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

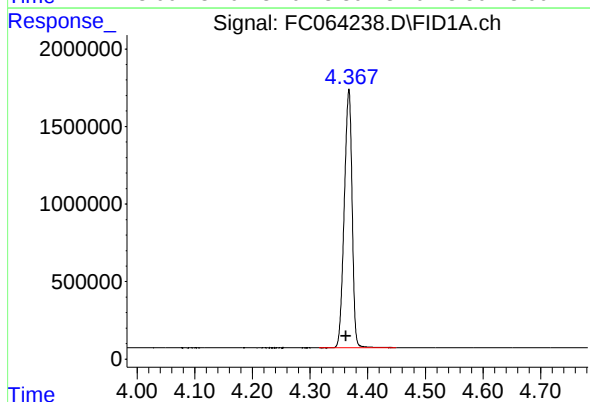




#1 n-Nonane (C9)

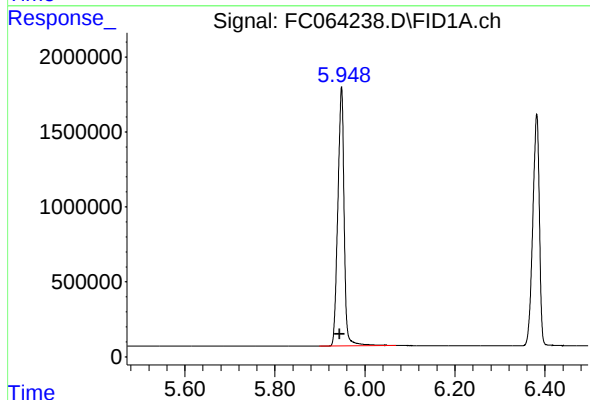
R.T.: 3.304 min
Delta R.T.: 0.004 min
Response: 15530998
Conc: 93.93 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



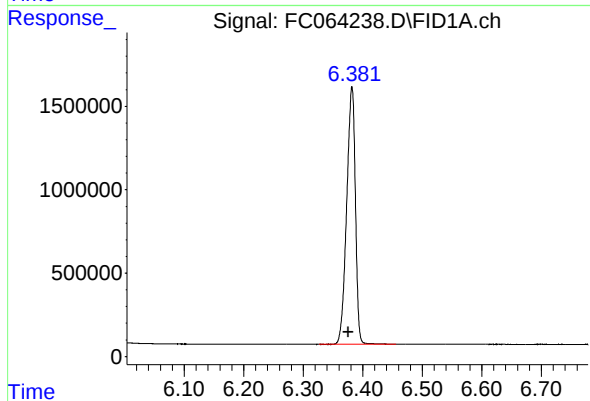
#2 n-Decane (C10)

R.T.: 4.367 min
Delta R.T.: 0.005 min
Response: 15751193
Conc: 94.01 ug/ml



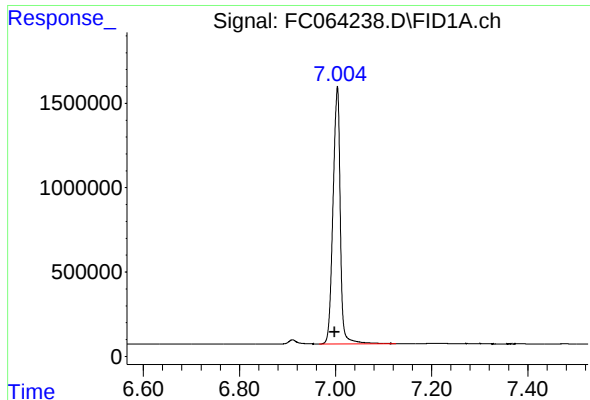
#3 A~Naphthalene (C11.7)

R.T.: 5.948 min
Delta R.T.: 0.004 min
Response: 16787292
Conc: 98.30 ug/ml



#4 n-Dodecane (C12)

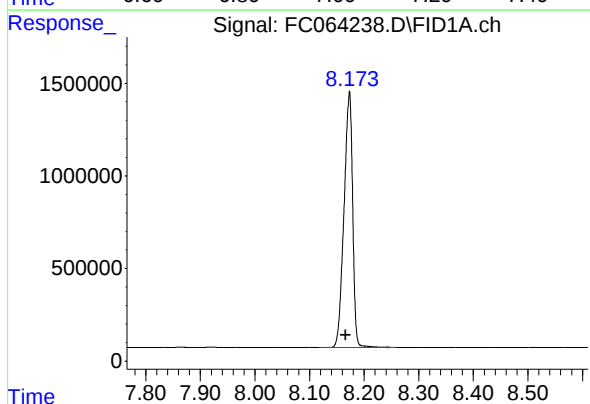
R.T.: 6.382 min
Delta R.T.: 0.006 min
Response: 15706068
Conc: 93.75 ug/ml



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

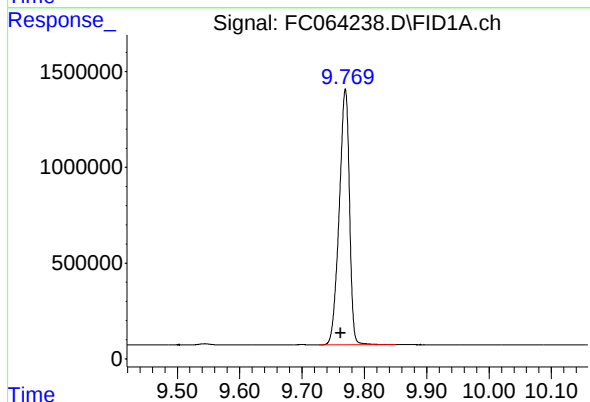
R.T.: 7.004 min
Delta R.T.: 0.005 min
Response: 16015812
Conc: 99.01 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



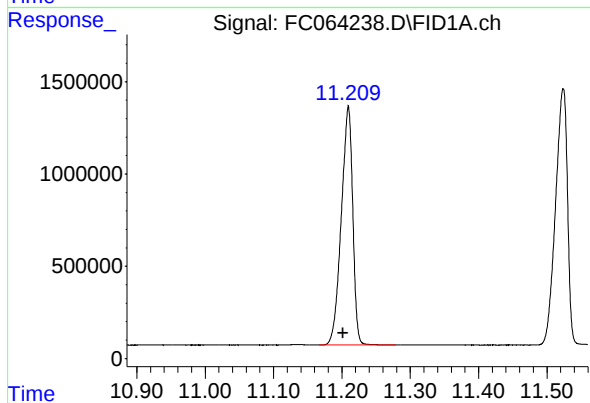
#6 n-Tetradecane (C14)

R.T.: 8.173 min
Delta R.T.: 0.007 min
Response: 15197372
Conc: 93.86 ug/ml



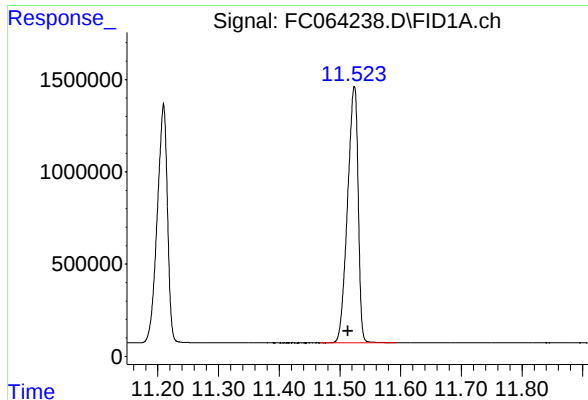
#7 n-Hexadecane (C16)

R.T.: 9.770 min
Delta R.T.: 0.008 min
Response: 15272800
Conc: 93.82 ug/ml



#8 n-Octadecane (C18)

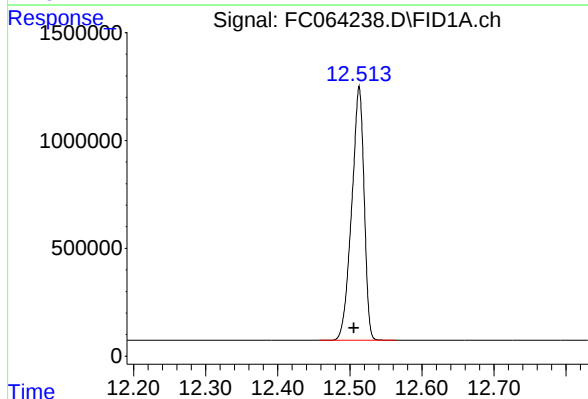
R.T.: 11.210 min
Delta R.T.: 0.008 min
Response: 15068967
Conc: 92.22 ug/ml



#9 ortho-Terphenyl (SURR)

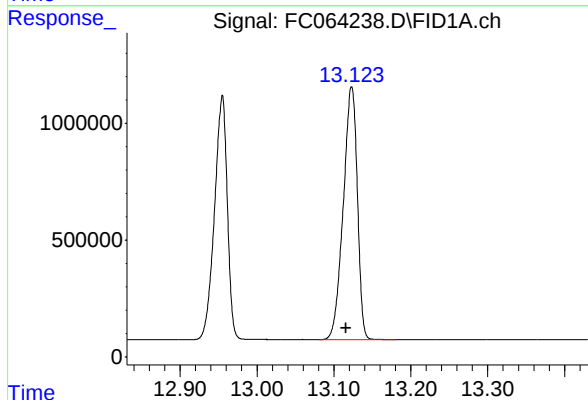
R.T.: 11.524 min
Delta R.T.: 0.011 min
Response: 16882330
Conc: 91.84 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



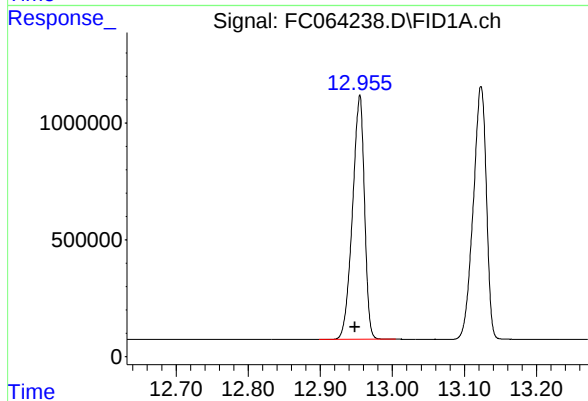
#10 n-Eicosane (C20)

R.T.: 12.513 min
Delta R.T.: 0.007 min
Response: 14113220
Conc: 91.70 ug/ml



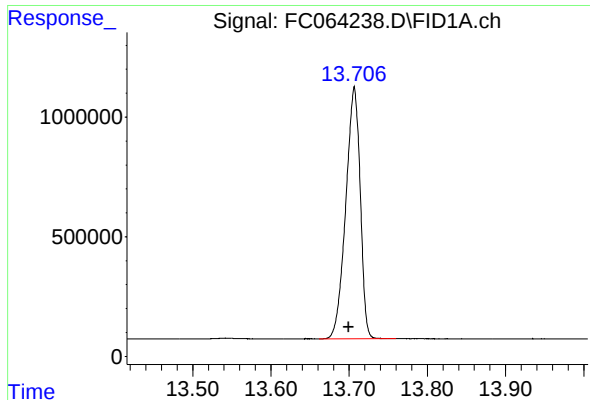
#11 n-Heneicosane (C21)

R.T.: 13.123 min
Delta R.T.: 0.007 min
Response: 13746881
Conc: 91.50 ug/ml



#12 1-chlorooctadecane (SURR)

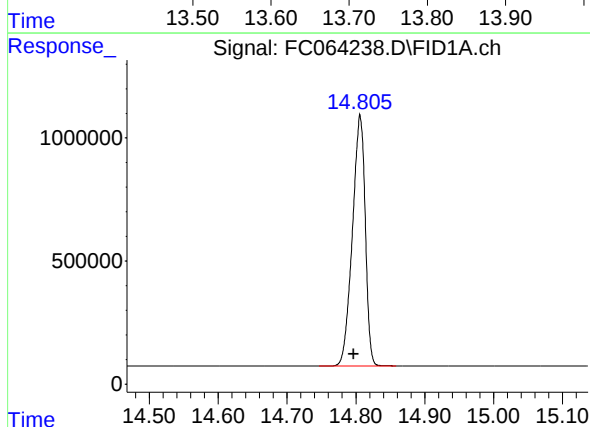
R.T.: 12.955 min
Delta R.T.: 0.007 min
Response: 12118086
Conc: 92.76 ug/ml



#13 n-Docosane (C22)

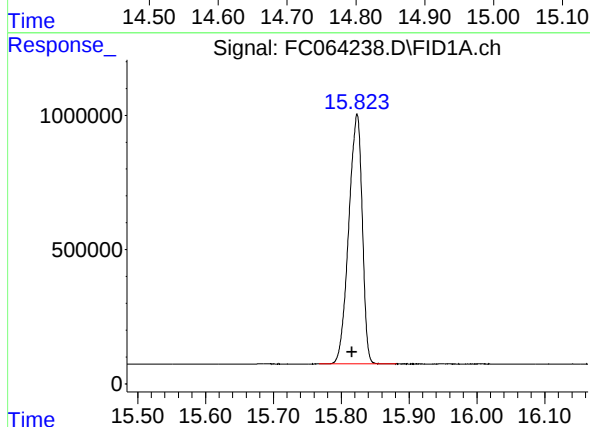
R.T.: 13.707 min
Delta R.T.: 0.007 min
Response: 13516246
Conc: 91.62 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



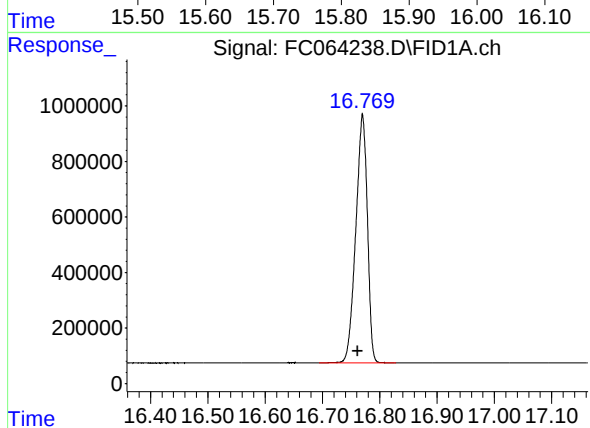
#14 n-Tetracosane (C24)

R.T.: 14.806 min
Delta R.T.: 0.009 min
Response: 13212531
Conc: 90.92 ug/ml



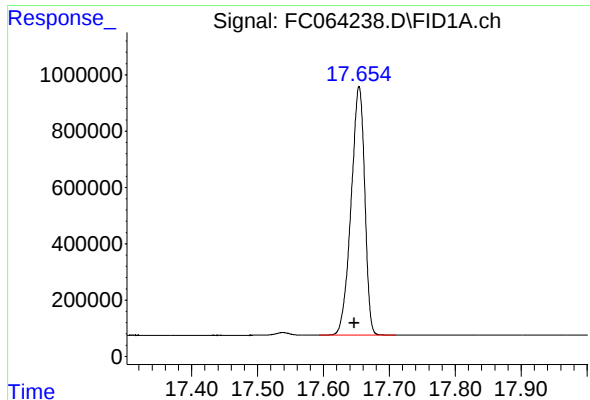
#15 n-Hexacosane (C26)

R.T.: 15.824 min
Delta R.T.: 0.008 min
Response: 12869160
Conc: 90.63 ug/ml



#16 n-Octacosane (C28)

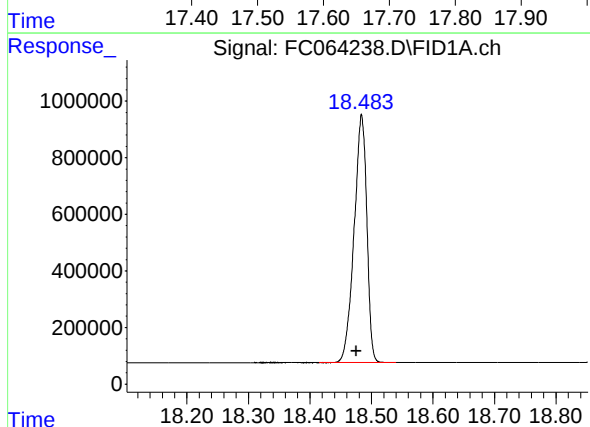
R.T.: 16.770 min
Delta R.T.: 0.009 min
Response: 12569481
Conc: 90.78 ug/ml



#17 n-Tricontane (C30)

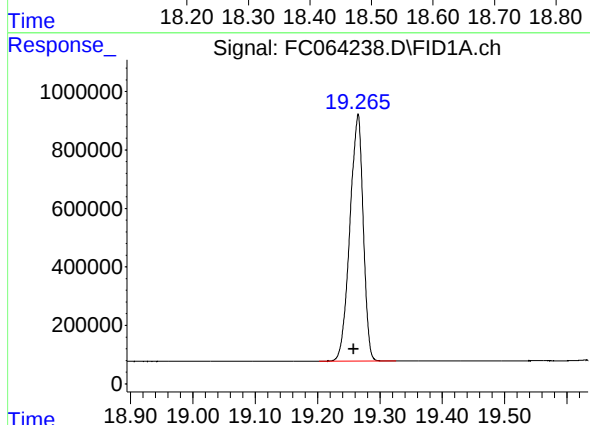
R.T.: 17.654 min
Delta R.T.: 0.007 min
Response: 12701166
Conc: 89.93 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



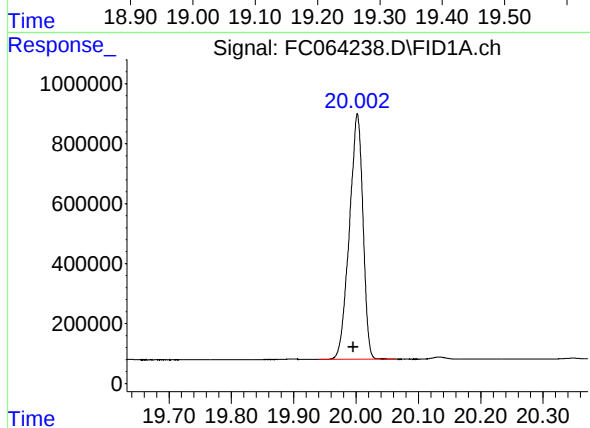
#18 n-Dotriacontane (C32)

R.T.: 18.484 min
Delta R.T.: 0.009 min
Response: 12580940
Conc: 89.66 ug/ml



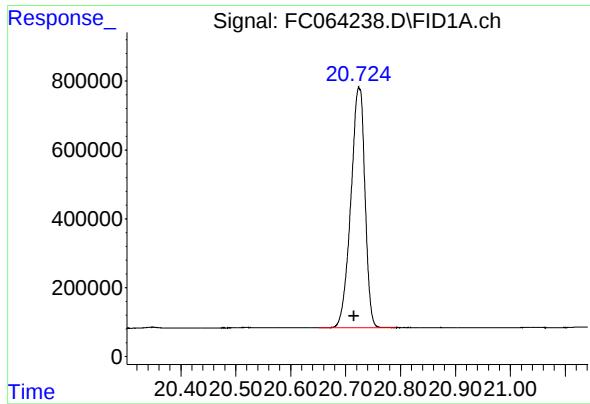
#19 n-Tetatriacontane (C34)

R.T.: 19.265 min
Delta R.T.: 0.007 min
Response: 12554847
Conc: 90.07 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.002 min
Delta R.T.: 0.006 min
Response: 12398792
Conc: 90.83 ug/ml



#21 n-Octatriacontane (C38)

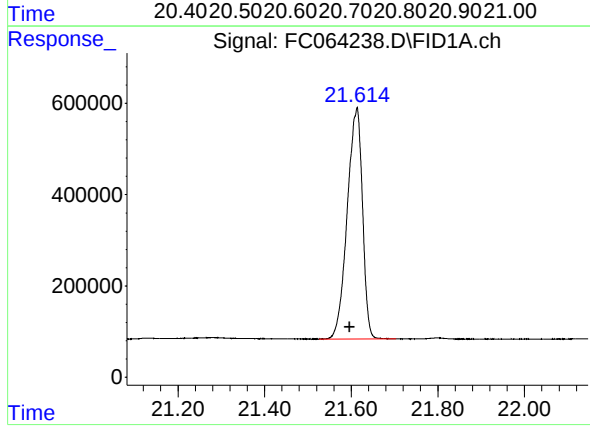
R.T.: 20.725 min
Delta R.T.: 0.010 min
Response: 12453056
Conc: 90.68 ug/ml

Instrument :

FID_C

ClientSampleId :

100 PPM ALIPHATIC HC STD1



#22 n-Tetracontane (C40)

R.T.: 21.614 min
Delta R.T.: 0.017 min
Response: 12378510
Conc: 91.42 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC072323AL\
Data File : FC064238.D
Signal(s) : FID1A.ch
Acq On : 23 Jul 2023 03:36
Sample : 100 PPM ALIPHATIC HC STD1
Misc :
ALS Vial : 82 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 072323.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	3.304	3.261	3.385	BB	1822547	15530998	92.00%	5.019%
2	4.367	4.316	4.449	BB	1665167	15751193	93.30%	5.090%
3	5.948	5.898	6.069	BB	1728457	16787292	99.44%	5.425%
4	6.382	6.327	6.456	BB	1543272	15706068	93.03%	5.076%
5	7.004	6.966	7.126	BB	1526815	16015812	94.87%	5.176%
6	8.173	8.117	8.258	BB	1383762	15197372	90.02%	4.911%
7	9.770	9.727	9.851	BB	1337128	15272800	90.47%	4.936%
8	11.210	11.167	11.279	BB	1297263	15068967	89.26%	4.870%
9	11.524	11.466	11.592	BB	1389119	16882330	100.00%	5.456%
10	12.513	12.457	12.564	BB	1177278	14113220	83.60%	4.561%
11	12.955	12.898	13.005	BB	1047712	12118086	71.78%	3.916%
12	13.123	13.081	13.181	BB	1083009	13746881	81.43%	4.443%
13	13.707	13.662	13.760	BB	1053905	13516246	80.06%	4.368%
14	14.806	14.747	14.858	BB	1016107	13212531	78.26%	4.270%
15	15.824	15.767	15.881	BB	931308	12869160	76.23%	4.159%
16	16.770	16.694	16.828	BB	896926	12569481	74.45%	4.062%
17	17.654	17.593	17.710	BB	882817	12701166	75.23%	4.105%
18	18.484	18.415	18.540	BB	876855	12580940	74.52%	4.066%
19	19.265	19.202	19.326	BB	845653	12554847	74.37%	4.057%
20	20.002	19.941	20.064	BB	818794	12398792	73.44%	4.007%
21	20.725	20.652	20.792	BB	696359	12453056	73.76%	4.025%
22	21.614	21.526	21.703	BB	508124	12378510	73.32%	4.000%
Sum of corrected areas:						309425749		

Aliphatic EPH 072323.M Mon Jul 24 02:17:30 2023

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC072323AL\
 Data File : FC064239.D
 Signal(s) : FID1A.ch
 Acq On : 23 Jul 2023 04:16
 Operator : YP/AJ
 Sample : 50 PPM ALIPHATIC HC STD2
 Misc :
 ALS Vial : 83 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 50 PPM ALIPHATIC HC STD2

Integration File: autoint1.e
 Quant Time: Jul 24 01:49:34 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 072323.M
 Quant Title : GC Extractables
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 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			
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Spiked Amount 50.000		Recovery =	96.77%
12) S 1-chlorooctadecane (S...	12.951	6013165	48.483 ug/ml
Spiked Amount 50.000		Recovery =	96.97%
Target Compounds			
1) T n-Nonane (C9)	3.302	7683535	48.597 ug/ml
2) T n-Decane (C10)	4.365	7765914	48.498 ug/ml
3) T A~Naphthalene (C11.7)	5.944	8189330	48.898 ug/ml
4) T n-Dodecane (C12)	6.379	7763729	48.536 ug/ml
5) T A~2-methylnaphthalene...	7.000	7778368	48.871 ug/ml
6) T n-Tetradecane (C14)	8.169	7489306	48.456 ug/ml
7) T n-Hexadecane (C16)	9.765	7516884	48.407 ug/ml
8) T n-Octadecane (C18)	11.204	7454695	48.284 ug/ml
10) T n-Eicosane (C20)	12.508	7013199	48.334 ug/ml
11) T n-Heneicosane (C21)	13.119	6854512	48.408 ug/ml
13) T n-Docosane (C22)	13.703	6743541	48.450 ug/ml
14) T n-Tetracosane (C24)	14.802	6620145	48.458 ug/ml
15) T n-Hexacosane (C26)	15.819	6468654	48.507 ug/ml
16) T n-Octacosane (C28)	16.765	6304052	48.463 ug/ml
17) T n-Tricontane (C30)	17.651	6402141	48.465 ug/ml
18) T n-Dotriacontane (C32)	18.480	6343356	48.423 ug/ml
19) T n-Tetratriacontane (C34)	19.260	6325781	48.479 ug/ml
20) T n-Hexatriacontane (C36)	19.997	6243169	48.602 ug/ml
21) T n-Octatriacontane (C38)	20.719	6283030	48.639 ug/ml
22) T n-Tetracontane (C40)	21.604	6235554	48.729 ug/ml

(f)=RT Delta > 1/2 Window

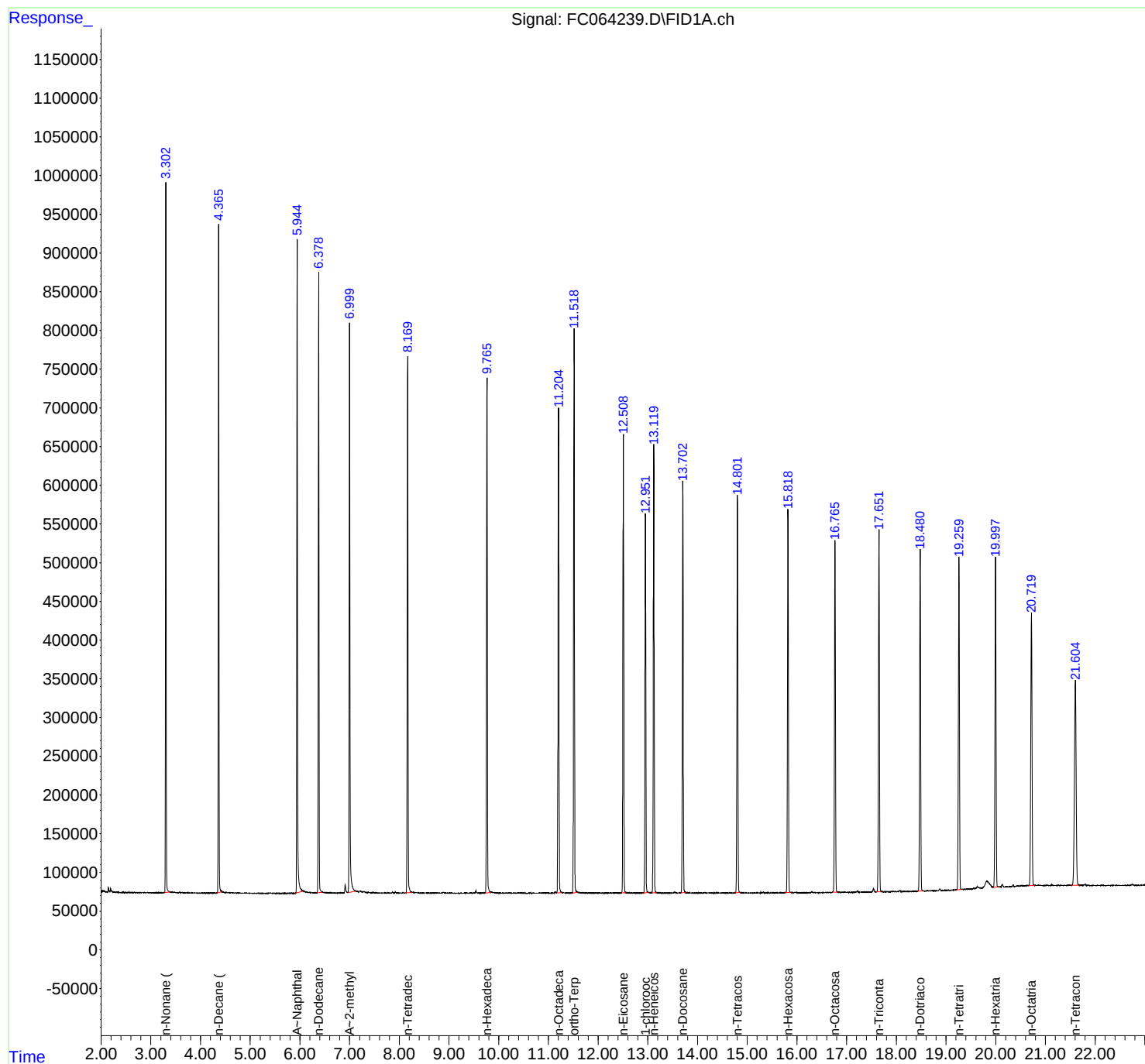
(m)=manual int.

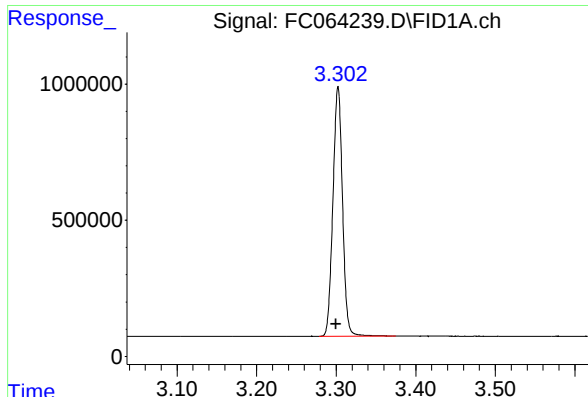
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC072323AL\
Data File : FC064239.D
Signal(s) : FID1A.ch
Acq On : 23 Jul 2023 04:16
Operator : YP/AJ
Sample : 50 PPM ALIPHATIC HC STD2
Misc :
ALS Vial : 83 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2

Integration File: autoint1.e
Quant Time: Jul 24 01:49:34 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 072323.M
Quant Title : GC Extractables
QLast Update : Mon Jul 24 01:41:11 2023
Response via : Initial Calibration
Integrator: ChemStation

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

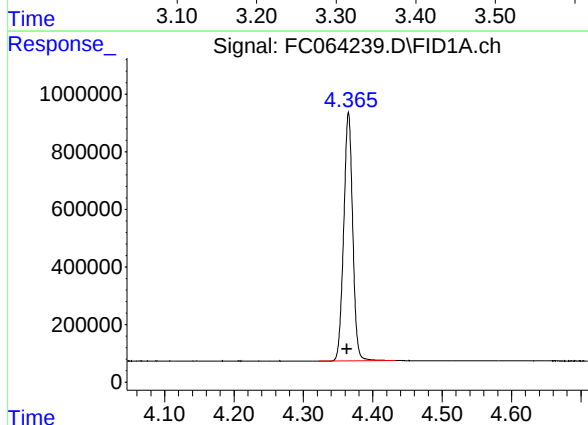




#1 n-Nonane (C9)

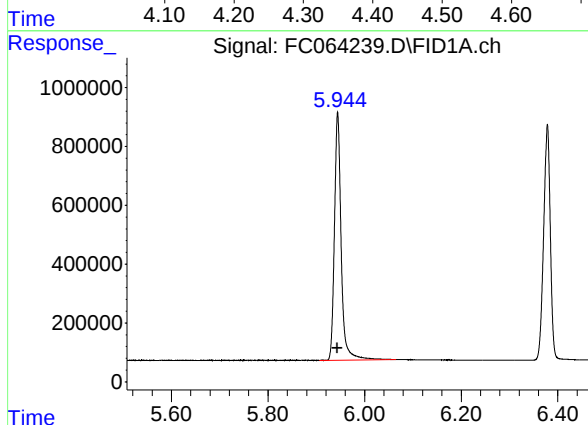
R.T.: 3.302 min
Delta R.T.: 0.002 min
Response: 7683535
Conc: 48.60 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



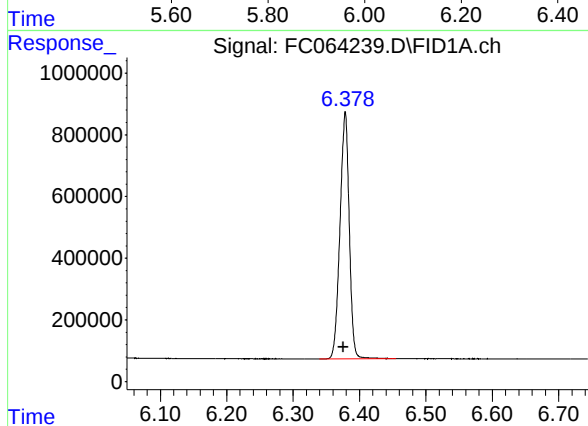
#2 n-Decane (C10)

R.T.: 4.365 min
Delta R.T.: 0.003 min
Response: 7765914
Conc: 48.50 ug/ml



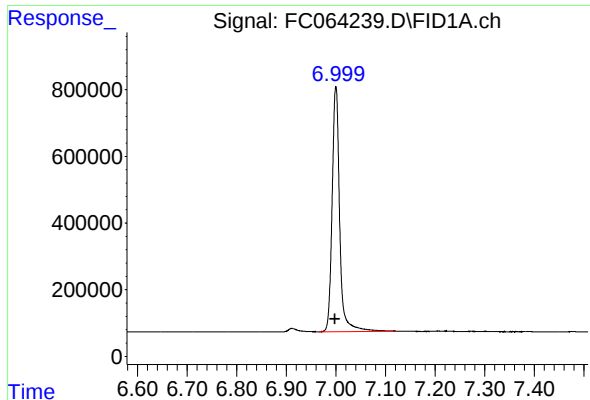
#3 A~Naphthalene (C11.7)

R.T.: 5.944 min
Delta R.T.: 0.000 min
Response: 8189330
Conc: 48.90 ug/ml



#4 n-Dodecane (C12)

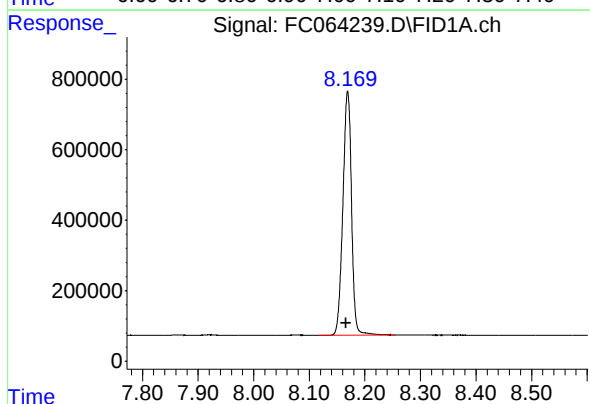
R.T.: 6.379 min
Delta R.T.: 0.003 min
Response: 7763729
Conc: 48.54 ug/ml



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

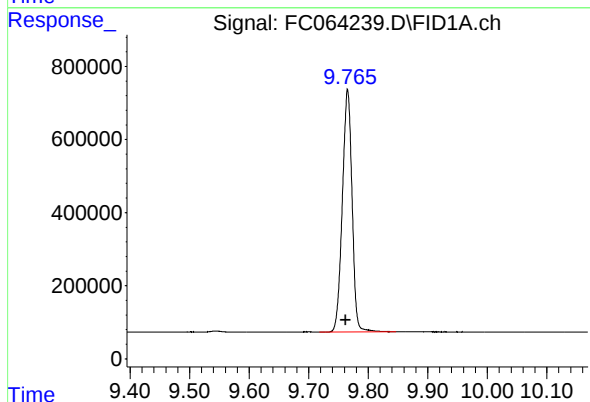
R.T.: 7.000 min
Delta R.T.: 0.002 min
Response: 7778368
Conc: 48.87 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



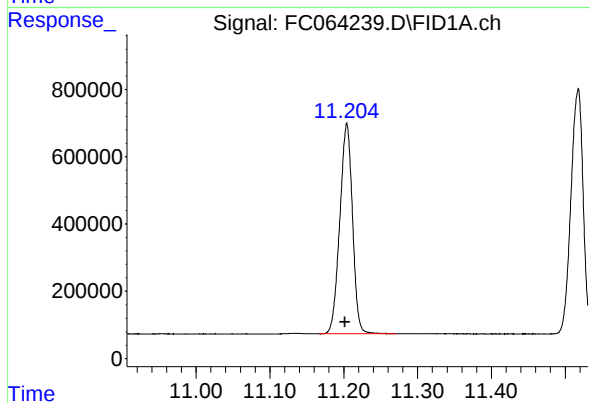
#6 n-Tetradecane (C14)

R.T.: 8.169 min
Delta R.T.: 0.003 min
Response: 7489306
Conc: 48.46 ug/ml



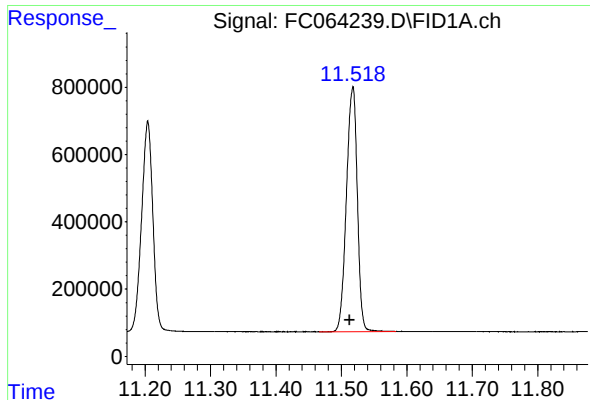
#7 n-Hexadecane (C16)

R.T.: 9.765 min
Delta R.T.: 0.004 min
Response: 7516884
Conc: 48.41 ug/ml



#8 n-Octadecane (C18)

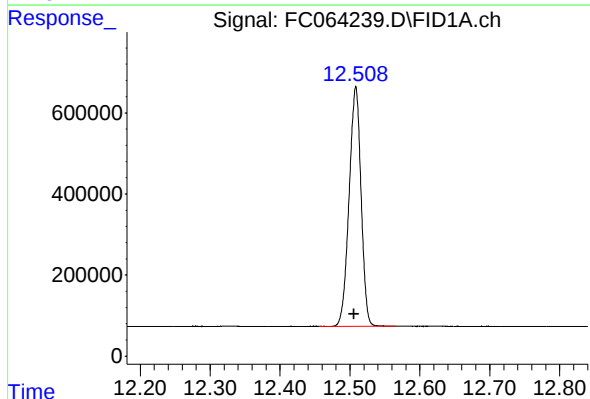
R.T.: 11.204 min
Delta R.T.: 0.003 min
Response: 7454695
Conc: 48.28 ug/ml



#9 ortho-Terphenyl (SURR)

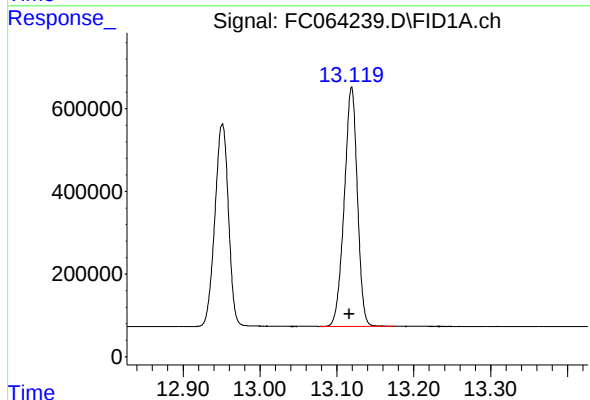
R.T.: 11.518 min
Delta R.T.: 0.005 min
Response: 8395160
Conc: 48.38 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



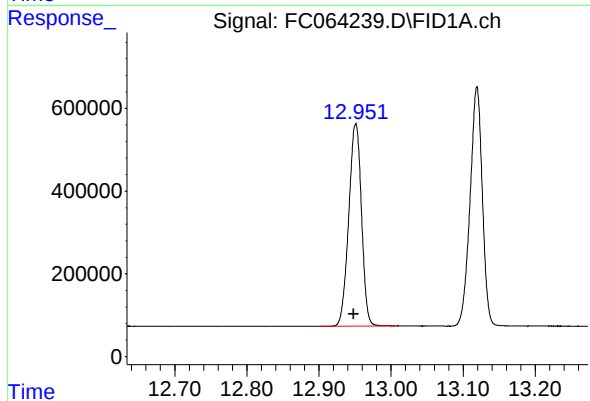
#10 n-Eicosane (C20)

R.T.: 12.508 min
Delta R.T.: 0.003 min
Response: 7013199
Conc: 48.33 ug/ml



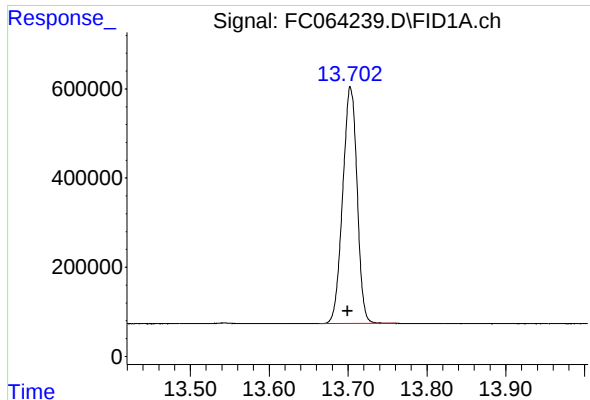
#11 n-Heneicosane (C21)

R.T.: 13.119 min
Delta R.T.: 0.003 min
Response: 6854512
Conc: 48.41 ug/ml



#12 1-chlorooctadecane (SURR)

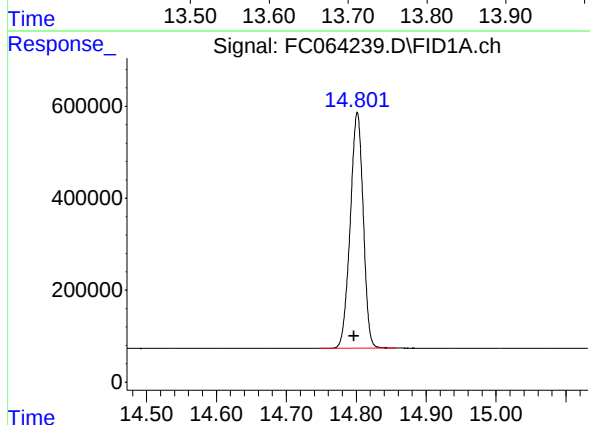
R.T.: 12.951 min
Delta R.T.: 0.003 min
Response: 6013165
Conc: 48.48 ug/ml



#13 n-Docosane (C22)

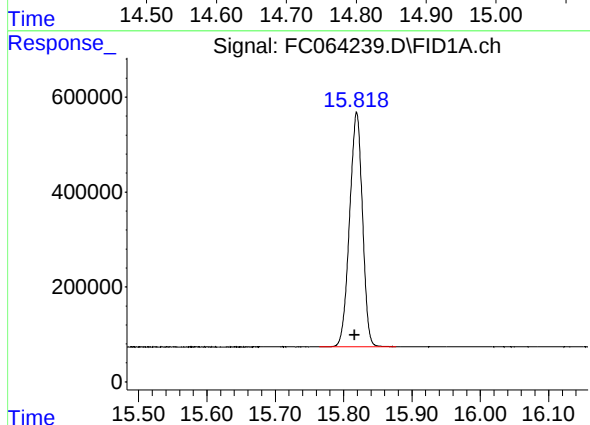
R.T.: 13.703 min
Delta R.T.: 0.004 min
Response: 6743541
Conc: 48.45 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



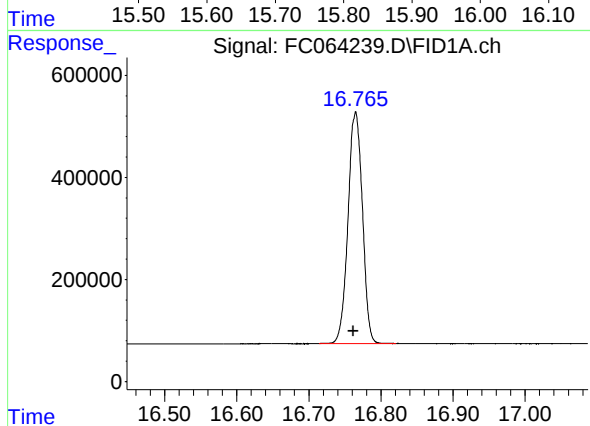
#14 n-Tetracosane (C24)

R.T.: 14.802 min
Delta R.T.: 0.005 min
Response: 6620145
Conc: 48.46 ug/ml



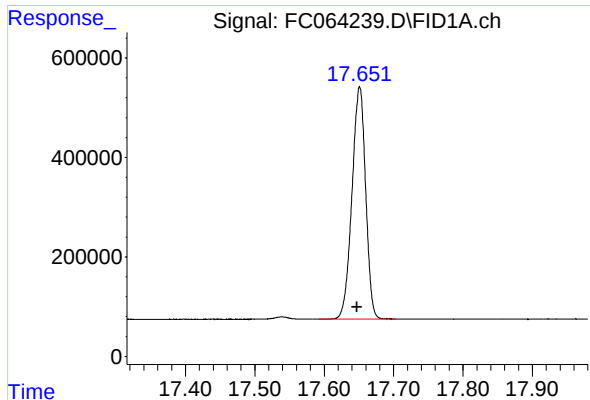
#15 n-Hexacosane (C26)

R.T.: 15.819 min
Delta R.T.: 0.003 min
Response: 6468654
Conc: 48.51 ug/ml



#16 n-Octacosane (C28)

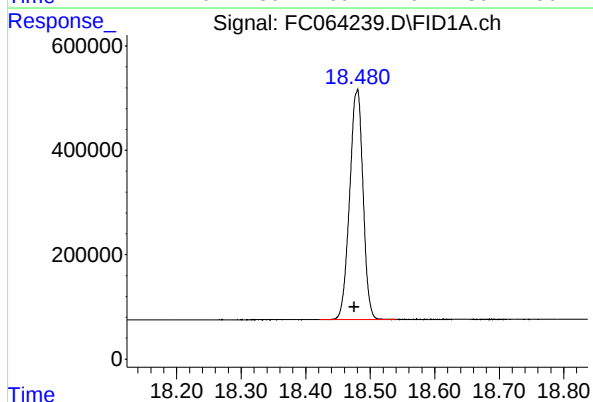
R.T.: 16.765 min
Delta R.T.: 0.003 min
Response: 6304052
Conc: 48.46 ug/ml



#17 n-Tricontane (C30)

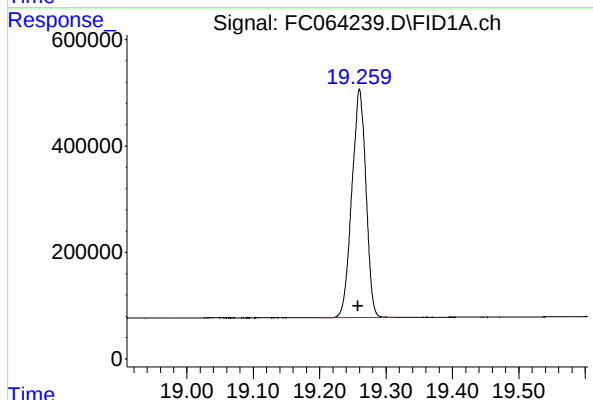
R.T.: 17.651 min
Delta R.T.: 0.004 min
Response: 6402141
Conc: 48.47 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



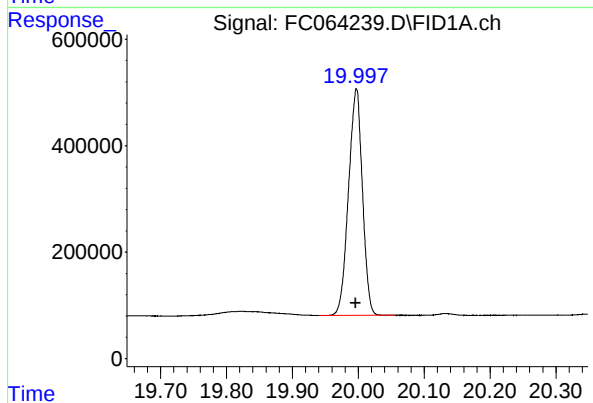
#18 n-Dotriacontane (C32)

R.T.: 18.480 min
Delta R.T.: 0.005 min
Response: 6343356
Conc: 48.42 ug/ml



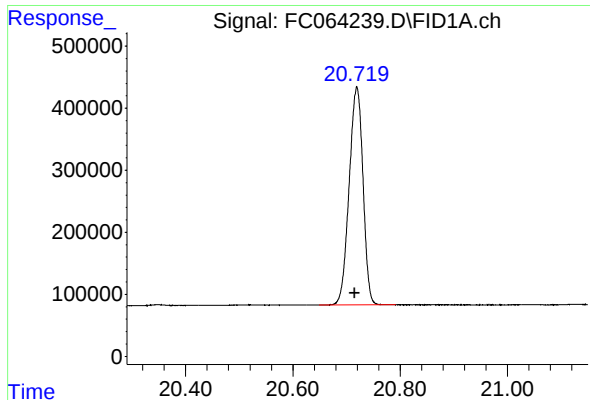
#19 n-Tetatriacontane (C34)

R.T.: 19.260 min
Delta R.T.: 0.002 min
Response: 6325781
Conc: 48.48 ug/ml



#20 n-Hexatriacontane (C36)

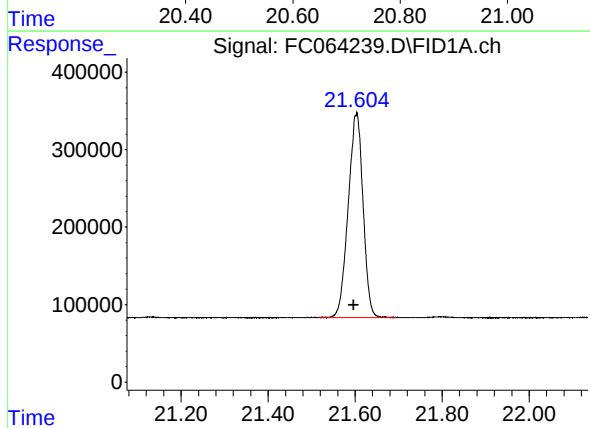
R.T.: 19.997 min
Delta R.T.: 0.001 min
Response: 6243169
Conc: 48.60 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.719 min
Delta R.T.: 0.004 min
Response: 6283030
Conc: 48.64 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



#22 n-Tetracontane (C40)

R.T.: 21.604 min
Delta R.T.: 0.007 min
Response: 6235554
Conc: 48.73 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC072323AL\
Data File : FC064239.D
Signal(s) : FID1A.ch
Acq On : 23 Jul 2023 04:16
Sample : 50 PPM ALIPHATIC HC STD2
Misc :
ALS Vial : 83 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 072323.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	3.278	3.375	BB	917170	7683535	91.52%	4.993%
2	4.365	4.322	4.433	BB	862763	7765914	92.50%	5.046%
3	5.944	5.906	6.065	BB	842840	8189330	97.55%	5.322%
4	6.379	6.339	6.455	BB	801708	7763729	92.48%	5.045%
5	7.000	6.966	7.121	BB	735489	7778368	92.65%	5.055%
6	8.169	8.117	8.256	BB	692452	7489306	89.21%	4.867%
7	9.765	9.717	9.847	BB	661160	7516884	89.54%	4.885%
8	11.204	11.167	11.271	BB	626301	7454695	88.80%	4.844%
9	11.518	11.466	11.583	BB	726943	8395160	100.00%	5.455%
10	12.508	12.456	12.566	BB	591332	7013199	83.54%	4.557%
11	12.951	12.900	13.007	BB	488307	6013165	71.63%	3.908%
12	13.119	13.077	13.177	BB	579228	6854512	81.65%	4.454%
13	13.703	13.663	13.761	BB	529478	6743541	80.33%	4.382%
14	14.802	14.747	14.857	BB	513304	6620145	78.86%	4.302%
15	15.819	15.764	15.877	BB	494240	6468654	77.05%	4.204%
16	16.765	16.714	16.821	BB	454581	6304052	75.09%	4.097%
17	17.651	17.592	17.703	BB	467273	6402141	76.26%	4.160%
18	18.480	18.421	18.540	BB	439089	6343356	75.56%	4.122%
19	19.260	19.199	19.315	BB	429556	6325781	75.35%	4.111%
20	19.997	19.940	20.057	BB	426437	6243169	74.37%	4.057%
21	20.719	20.649	20.792	BB	351422	6283030	74.84%	4.083%
22	21.604	21.517	21.694	BB	263953	6235554	74.28%	4.052%

Sum of corrected areas: 153887219

Aliphatic EPH 072323.M Mon Jul 24 02:17:53 2023

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC072323AL\
 Data File : FC064240.D
 Signal(s) : FID1A.ch
 Acq On : 23 Jul 2023 04:57
 Operator : YP/AJ
 Sample : 20 PPM ALIPHATIC HC STD3
 Misc :
 ALS Vial : 84 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 20 PPM ALIPHATIC HC STD3

Integration File: autoint1.e
 Quant Time: Jul 24 01:41:40 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 072323.M
 Quant Title : GC Extractables
 QLast Update : Mon Jul 24 01:41:11 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)	11.513	3676274	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
12) S 1-chlorooctadecane (S...	12.948	2612694	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
Target Compounds			
1) T n-Nonane (C9)	3.300	3306861	20.000 ug/ml
2) T n-Decane (C10)	4.363	3351015	20.000 ug/ml
3) T A~Naphthalene (C11.7)	5.944	3415538	20.000 ug/ml
4) T n-Dodecane (C12)	6.376	3350709	20.000 ug/ml
5) T A~2-methylnaphthalene...	6.998	3235180	20.000 ug/ml
6) T n-Tetradecane (C14)	8.166	3238429	20.000 ug/ml
7) T n-Hexadecane (C16)	9.762	3255698	20.000 ug/ml
8) T n-Octadecane (C18)	11.202	3267884	20.000 ug/ml
10) T n-Eicosane (C20)	12.506	3078081	20.000 ug/ml
11) T n-Heneicosane (C21)	13.116	3004767	20.000 ug/ml
13) T n-Docosane (C22)	13.699	2950394	20.000 ug/ml
14) T n-Tetracosane (C24)	14.797	2906433	20.000 ug/ml
15) T n-Hexacosane (C26)	15.816	2839998	20.000 ug/ml
16) T n-Octacosane (C28)	16.762	2769334	20.000 ug/ml
17) T n-Tricontane (C30)	17.647	2824801	20.000 ug/ml
18) T n-Dotriacontane (C32)	18.475	2806475	20.000 ug/ml
19) T n-Tetratriacontane (C34)	19.258	2787869	20.000 ug/ml
20) T n-Hexatriacontane (C36)	19.996	2730216	20.000 ug/ml
21) T n-Octatriacontane (C38)	20.715	2746740	20.000 ug/ml
22) T n-Tetracontane (C40)	21.597	2707934	20.000 ug/ml

(f)=RT Delta > 1/2 Window

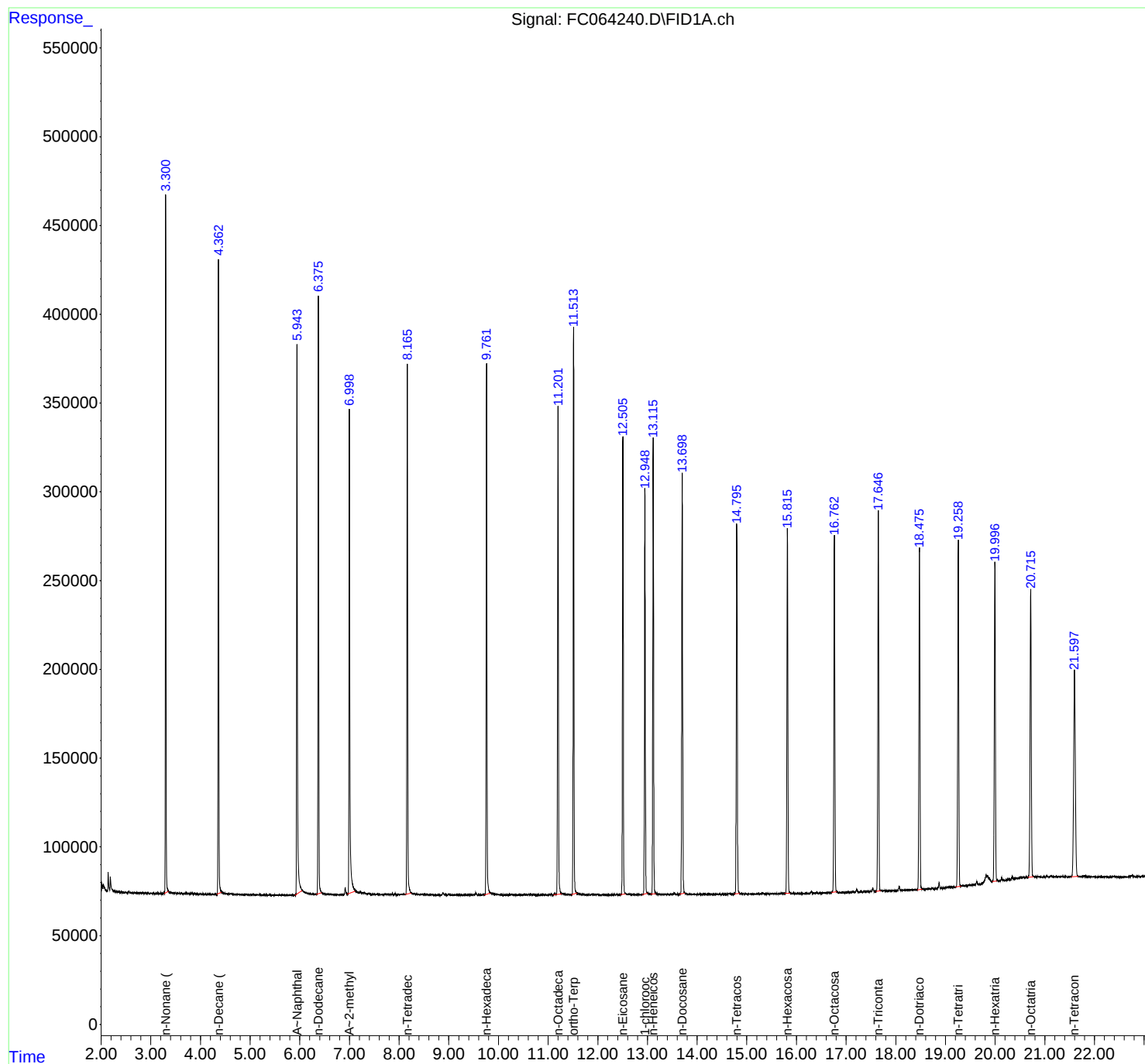
(m)=manual int.

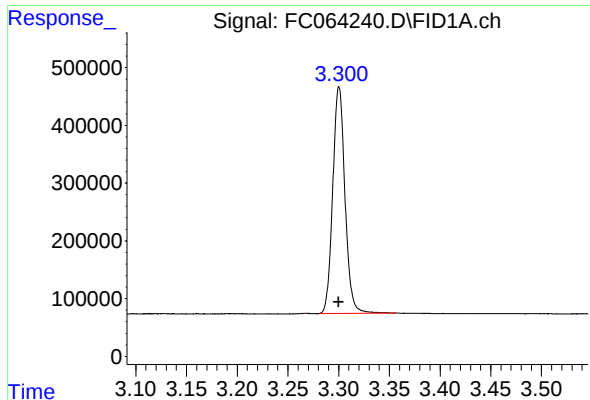
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC072323AL\
Data File : FC064240.D
Signal(s) : FID1A.ch
Acq On : 23 Jul 2023 04:57
Operator : YP/AJ
Sample : 20 PPM ALIPHATIC HC STD3
Misc :
ALS Vial : 84 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3

Integration File: autoint1.e
Quant Time: Jul 24 01:41:40 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 072323.M
Quant Title : GC Extractables
QLast Update : Mon Jul 24 01:41:11 2023
Response via : Initial Calibration
Integrator: ChemStation

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

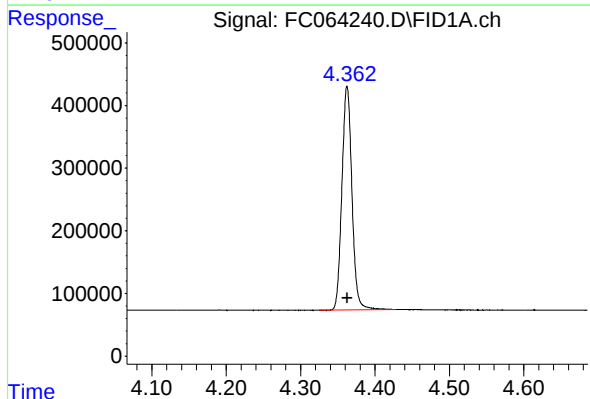




#1 n-Nonane (C9)

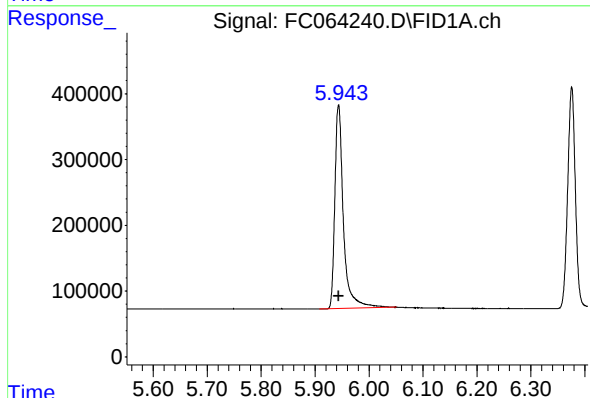
R.T.: 3.300 min
Delta R.T.: 0.000 min
Response: 3306861
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



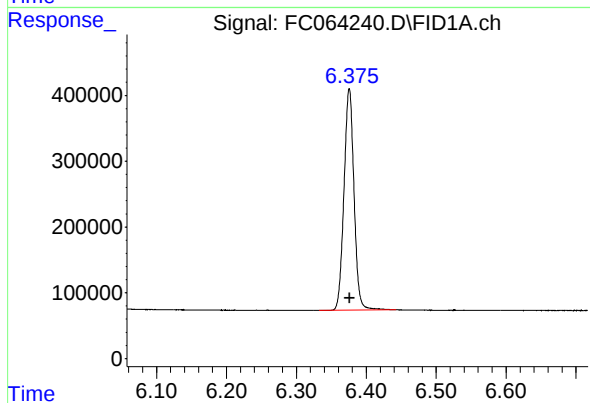
#2 n-Decane (C10)

R.T.: 4.363 min
Delta R.T.: 0.000 min
Response: 3351015
Conc: 20.00 ug/ml



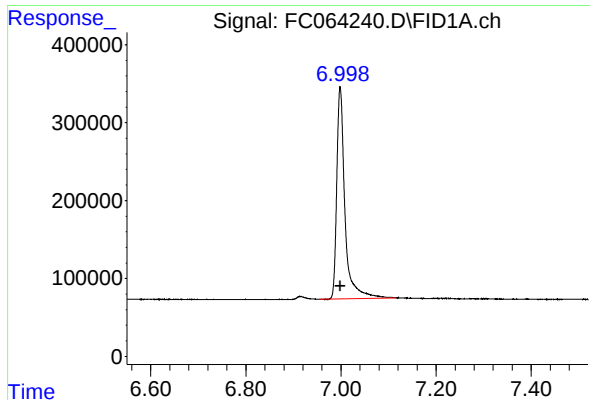
#3 A~Naphthalene (C11.7)

R.T.: 5.944 min
Delta R.T.: 0.000 min
Response: 3415538
Conc: 20.00 ug/ml



#4 n-Dodecane (C12)

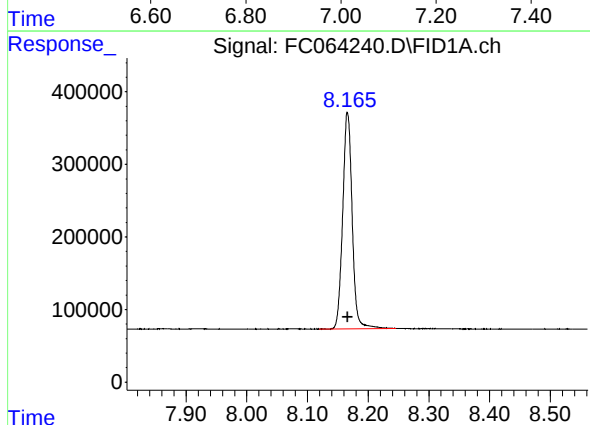
R.T.: 6.376 min
Delta R.T.: 0.000 min
Response: 3350709
Conc: 20.00 ug/ml



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

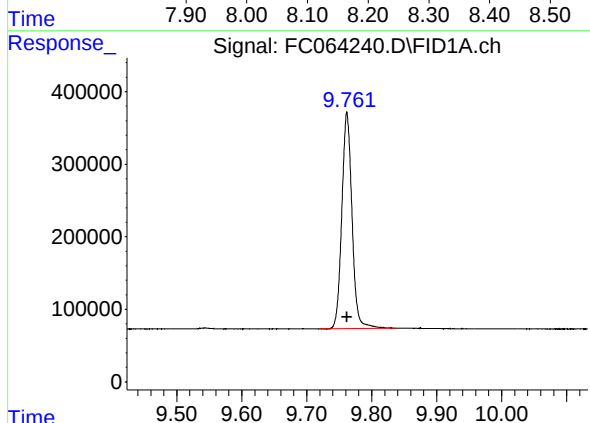
R.T.: 6.998 min
Delta R.T.: 0.000 min
Response: 3235180
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



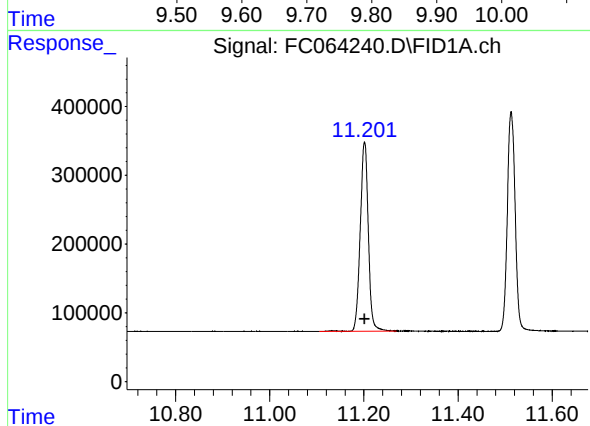
#6 n-Tetradecane (C14)

R.T.: 8.166 min
Delta R.T.: 0.000 min
Response: 3238429
Conc: 20.00 ug/ml



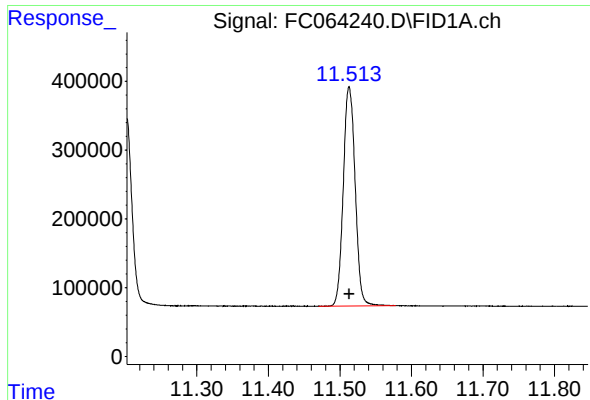
#7 n-Hexadecane (C16)

R.T.: 9.762 min
Delta R.T.: 0.000 min
Response: 3255698
Conc: 20.00 ug/ml



#8 n-Octadecane (C18)

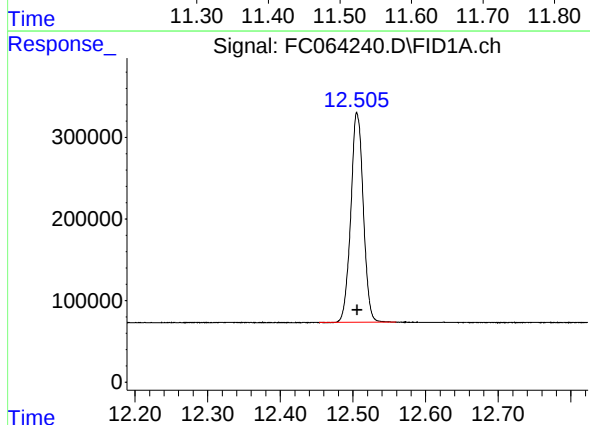
R.T.: 11.202 min
Delta R.T.: 0.000 min
Response: 3267884
Conc: 20.00 ug/ml



#9 ortho-Terphenyl (SURR)

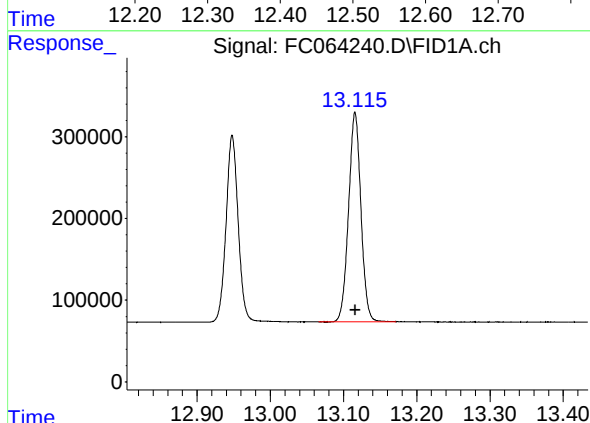
R.T.: 11.513 min
Delta R.T.: 0.000 min
Response: 3676274
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



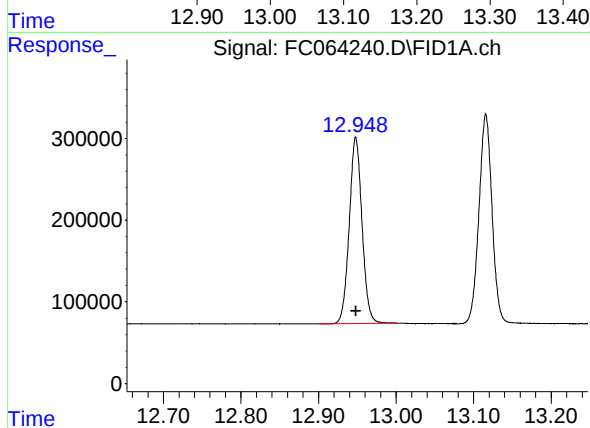
#10 n-Eicosane (C20)

R.T.: 12.506 min
Delta R.T.: 0.000 min
Response: 3078081
Conc: 20.00 ug/ml



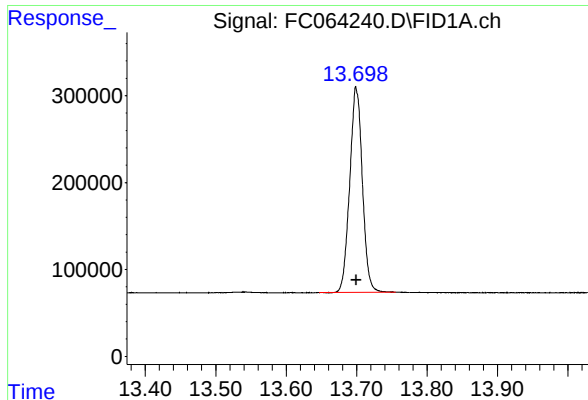
#11 n-Heneicosane (C21)

R.T.: 13.116 min
Delta R.T.: 0.000 min
Response: 3004767
Conc: 20.00 ug/ml



#12 1-chlorooctadecane (SURR)

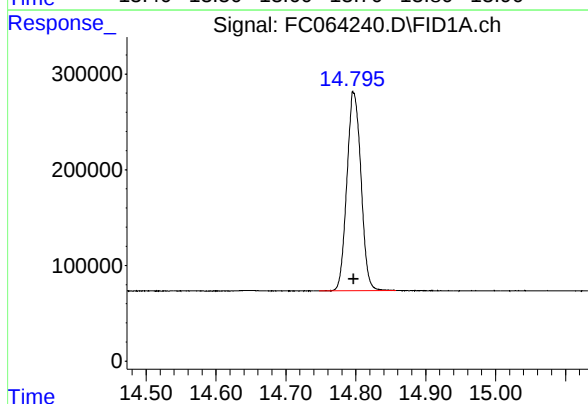
R.T.: 12.948 min
Delta R.T.: 0.000 min
Response: 2612694
Conc: 20.00 ug/ml



#13 n-Docosane (C22)

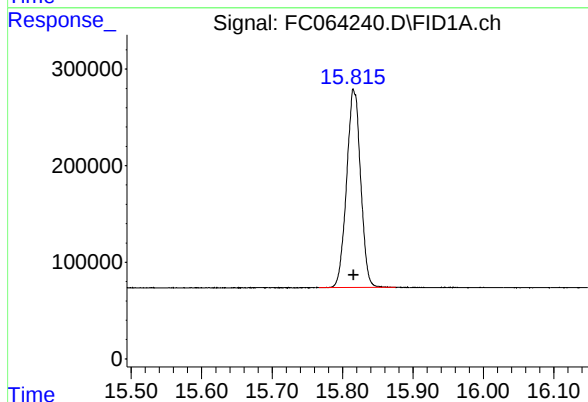
R.T.: 13.699 min
Delta R.T.: 0.000 min
Response: 2950394
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



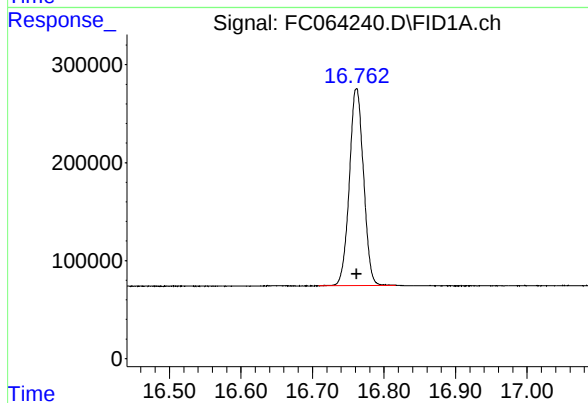
#14 n-Tetracosane (C24)

R.T.: 14.797 min
Delta R.T.: 0.000 min
Response: 2906433
Conc: 20.00 ug/ml



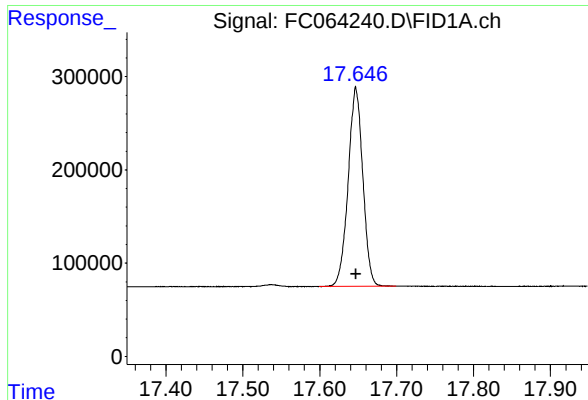
#15 n-Hexacosane (C26)

R.T.: 15.816 min
Delta R.T.: 0.000 min
Response: 2839998
Conc: 20.00 ug/ml



#16 n-Octacosane (C28)

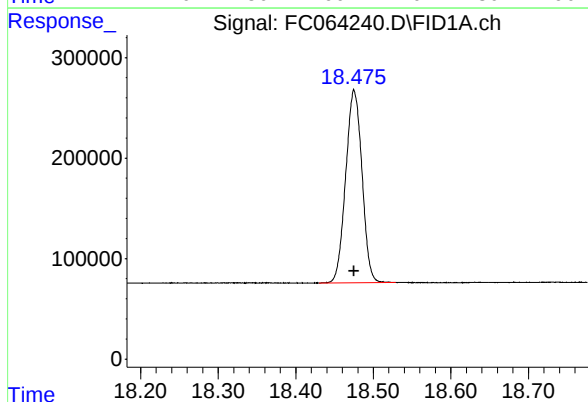
R.T.: 16.762 min
Delta R.T.: 0.000 min
Response: 2769334
Conc: 20.00 ug/ml



#17 n-Tricontane (C30)

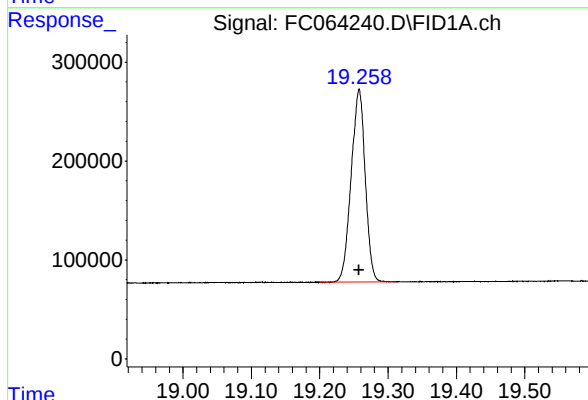
R.T.: 17.647 min
Delta R.T.: 0.000 min
Response: 2824801
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



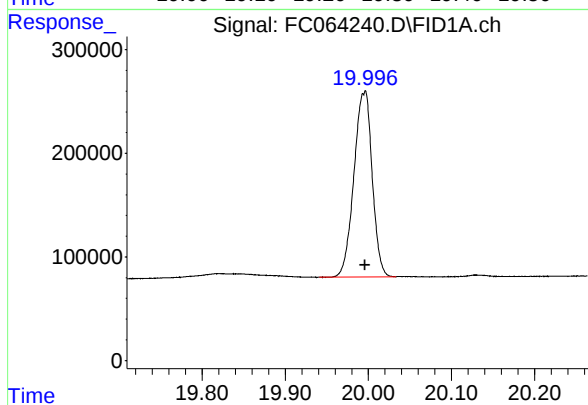
#18 n-Dotriacontane (C32)

R.T.: 18.475 min
Delta R.T.: 0.000 min
Response: 2806475
Conc: 20.00 ug/ml



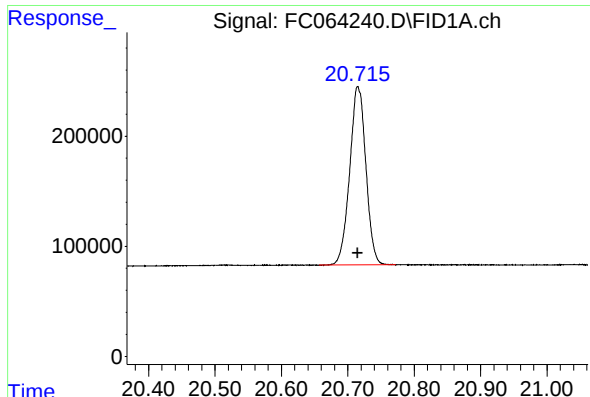
#19 n-Tetatriacontane (C34)

R.T.: 19.258 min
Delta R.T.: 0.000 min
Response: 2787869
Conc: 20.00 ug/ml



#20 n-Hexatriacontane (C36)

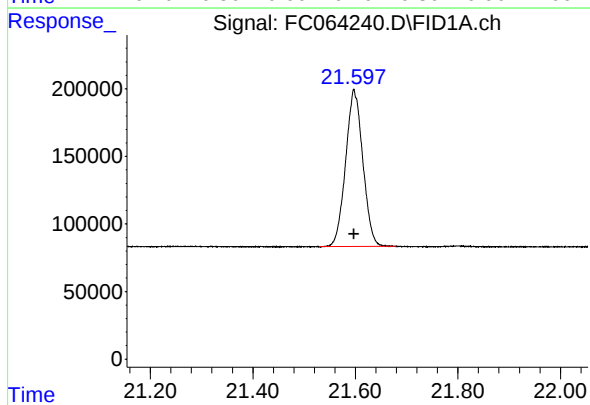
R.T.: 19.996 min
Delta R.T.: 0.000 min
Response: 2730216
Conc: 20.00 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.715 min
Delta R.T.: 0.000 min
Response: 2746740
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



#22 n-Tetracontane (C40)

R.T.: 21.597 min
Delta R.T.: 0.000 min
Response: 2707934
Conc: 20.00 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC072323AL\
Data File : FC064240.D
Signal(s) : FID1A.ch
Acq On : 23 Jul 2023 04:57
Sample : 20 PPM ALIPHATIC HC STD3
Misc :
ALS Vial : 84 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 072323.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	3.281	3.357	BB	392938	3306861	89.95%	4.946%
2	4.363	4.325	4.428	BB	357018	3351015	91.15%	5.012%
3	5.944	5.907	6.050	BB	308959	3415538	92.91%	5.108%
4	6.376	6.332	6.442	BB	336963	3350709	91.14%	5.011%
5	6.998	6.954	7.116	BB	272385	3235180	88.00%	4.838%
6	8.166	8.119	8.246	BB	298011	3238429	88.09%	4.843%
7	9.762	9.719	9.837	BB	298890	3255698	88.56%	4.869%
8	11.202	11.105	11.268	BB	274830	3267884	88.89%	4.887%
9	11.513	11.471	11.578	BB	319563	3676274	100.00%	5.498%
10	12.506	12.453	12.559	BB	256738	3078081	83.73%	4.604%
11	12.948	12.901	13.000	BB	228426	2612694	71.07%	3.908%
12	13.116	13.067	13.172	BB	256755	3004767	81.73%	4.494%
13	13.699	13.647	13.756	BB	235820	2950394	80.25%	4.413%
14	14.797	14.747	14.857	BB	206574	2906433	79.06%	4.347%
15	15.816	15.767	15.876	BB	204356	2839998	77.25%	4.247%
16	16.762	16.709	16.817	BB	201021	2769334	75.33%	4.142%
17	17.647	17.599	17.699	BB	213889	2824801	76.84%	4.225%
18	18.475	18.430	18.529	BB	192357	2806475	76.34%	4.197%
19	19.258	19.199	19.312	BB	195211	2787869	75.83%	4.170%
20	19.996	19.941	20.033	BB	178823	2730216	74.27%	4.083%
21	20.715	20.657	20.772	BB	162174	2746740	74.72%	4.108%
22	21.597	21.529	21.679	BB	116412	2707934	73.66%	4.050%
Sum of corrected areas:							66863324	

Aliphatic EPH 072323.M Mon Jul 24 02:19:15 2023

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC072323AL\
 Data File : FC064241.D
 Signal(s) : FID1A.ch
 Acq On : 23 Jul 2023 05:37
 Operator : YP/AJ
 Sample : 10 PPM ALIPHATIC HC STD4
 Misc :
 ALS Vial : 85 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 10 PPM ALIPHATIC HC STD4

Integration File: autoint1.e
 Quant Time: Jul 24 01:50:57 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 072323.M
 Quant Title : GC Extractables
 QLast Update : Mon Jul 24 01:41:11 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)	11.513	1868687	10.566 ug/ml
Spiked Amount 50.000		Recovery =	21.13%
12) S 1-chlorooctadecane (S...	12.947	1314449	10.442 ug/ml
Spiked Amount 50.000		Recovery =	20.88%
Target Compounds			
1) T n-Nonane (C9)	3.300	1710367	10.601 ug/ml
2) T n-Decane (C10)	4.362	1718858	10.541 ug/ml
3) T A~Naphthalene (C11.7)	5.945	1653809	9.906 ug/ml
4) T n-Dodecane (C12)	6.375	1717992	10.545 ug/ml
5) T A~2-methylnaphthalene...	7.000	1543184	9.770 ug/ml
6) T n-Tetradecane (C14)	8.166	1645107	10.475 ug/ml
7) T n-Hexadecane (C16)	9.762	1641489	10.422 ug/ml
8) T n-Octadecane (C18)	11.201	1662129	10.563 ug/ml
10) T n-Eicosane (C20)	12.505	1564523	10.576 ug/ml
11) T n-Heneicosane (C21)	13.115	1536101	10.623 ug/ml
13) T n-Docosane (C22)	13.698	1493727	10.539 ug/ml
14) T n-Tetracosane (C24)	14.797	1474168	10.581 ug/ml
15) T n-Hexacosane (C26)	15.816	1447027	10.625 ug/ml
16) T n-Octacosane (C28)	16.762	1406710	10.598 ug/ml
17) T n-Tricontane (C30)	17.646	1455547	10.745 ug/ml
18) T n-Dotriacontane (C32)	18.475	1465912	10.867 ug/ml
19) T n-Tetratriacontane (C34)	19.256	1456107	10.845 ug/ml
20) T n-Hexatriacontane (C36)	19.993	1416320	10.750 ug/ml
21) T n-Octatriacontane (C38)	20.714	1428913	10.776 ug/ml
22) T n-Tetracontane (C40)	21.595	1421362	10.808 ug/ml

(f)=RT Delta > 1/2 Window

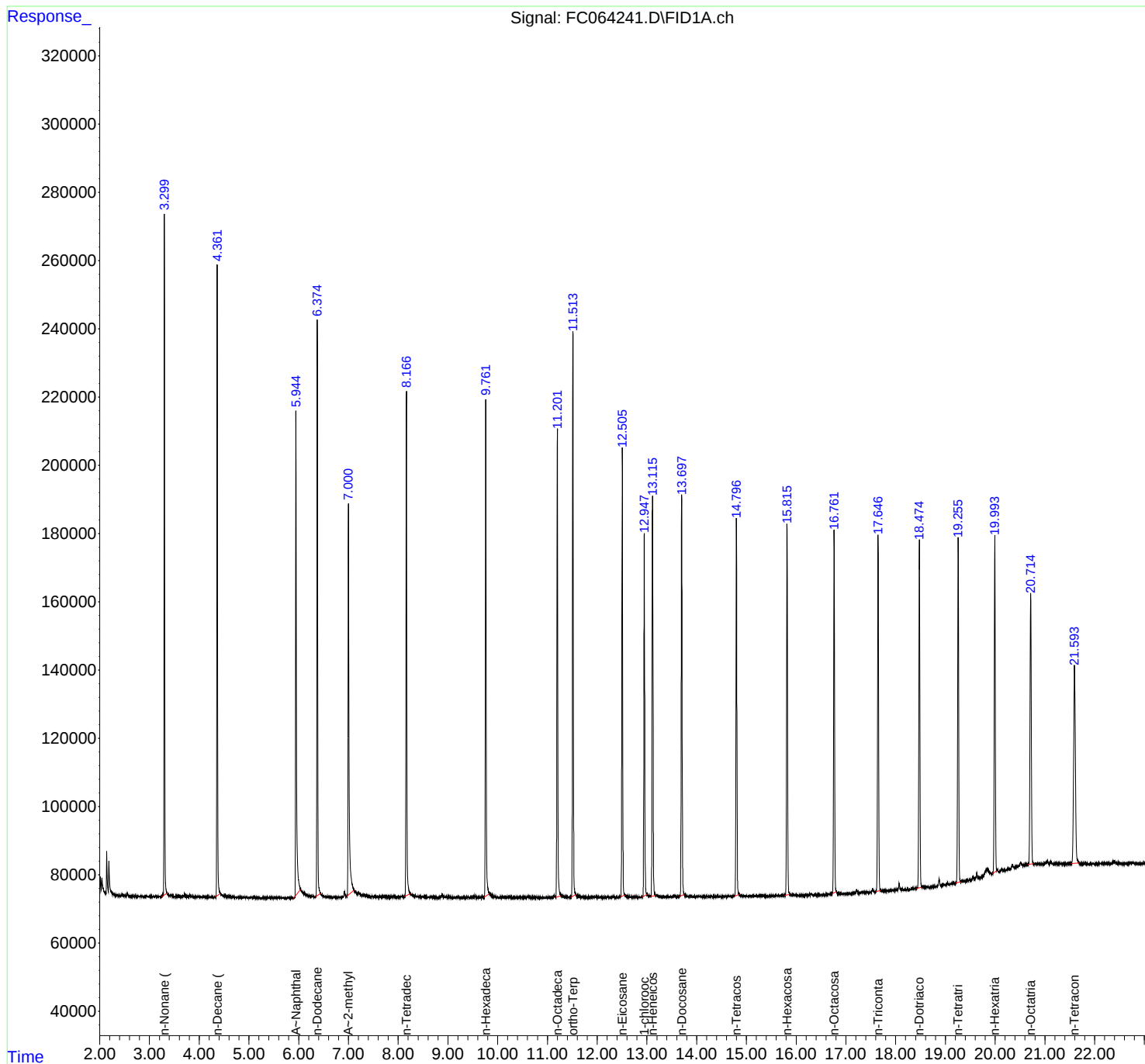
(m)=manual int.

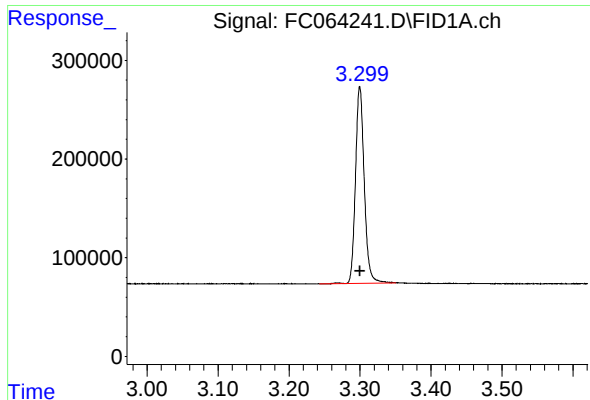
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC072323AL\
Data File : FC064241.D
Signal(s) : FID1A.ch
Acq On : 23 Jul 2023 05:37
Operator : YP/AJ
Sample : 10 PPM ALIPHATIC HC STD4
Misc :
ALS Vial : 85 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4

Integration File: autoint1.e
Quant Time: Jul 24 01:50:57 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 072323.M
Quant Title : GC Extractables
QLast Update : Mon Jul 24 01:41:11 2023
Response via : Initial Calibration
Integrator: ChemStation

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

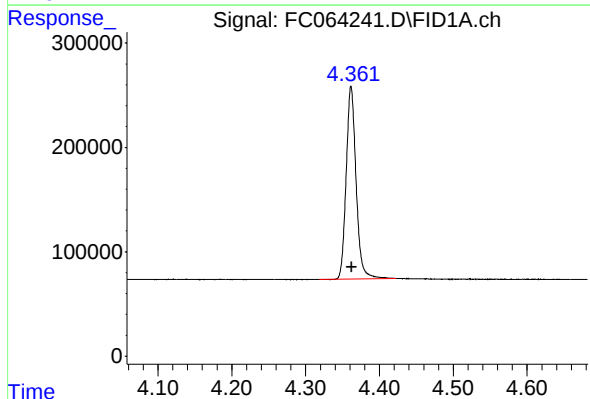




#1 n-Nonane (C9)

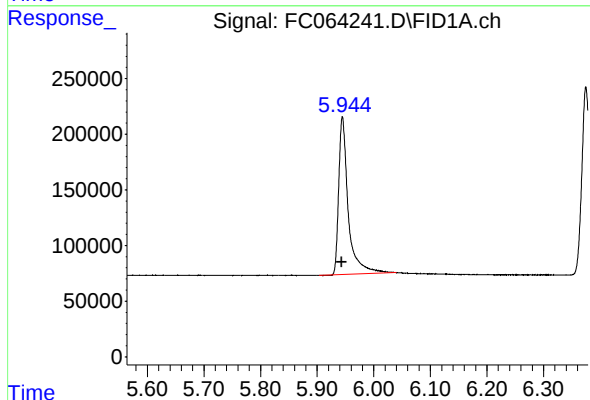
R.T.: 3.300 min
Delta R.T.: 0.000 min
Response: 1710367
Conc: 10.60 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



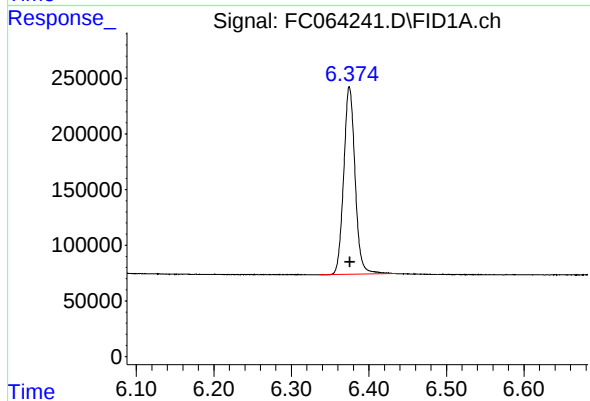
#2 n-Decane (C10)

R.T.: 4.362 min
Delta R.T.: 0.000 min
Response: 1718858
Conc: 10.54 ug/ml



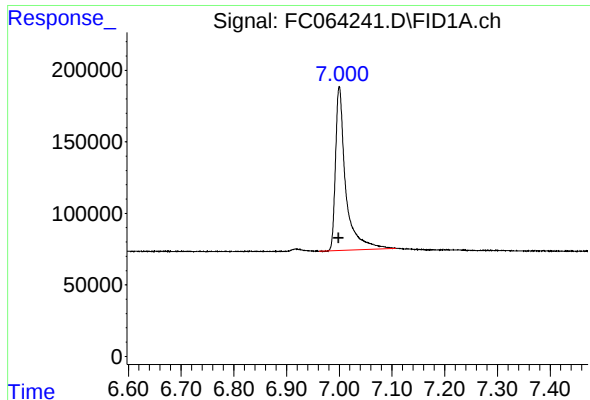
#3 A~Naphthalene (C11.7)

R.T.: 5.945 min
Delta R.T.: 0.001 min
Response: 1653809
Conc: 9.91 ug/ml



#4 n-Dodecane (C12)

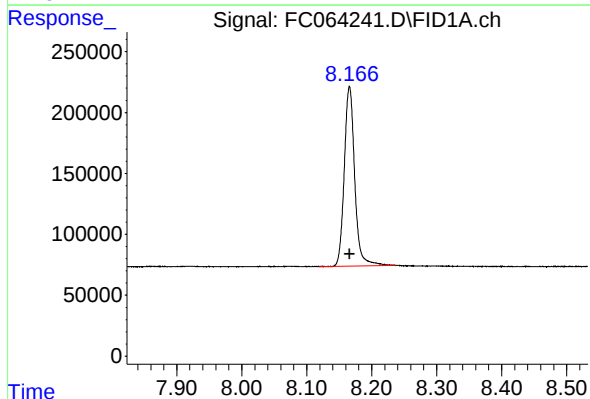
R.T.: 6.375 min
Delta R.T.: 0.000 min
Response: 1717992
Conc: 10.55 ug/ml



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

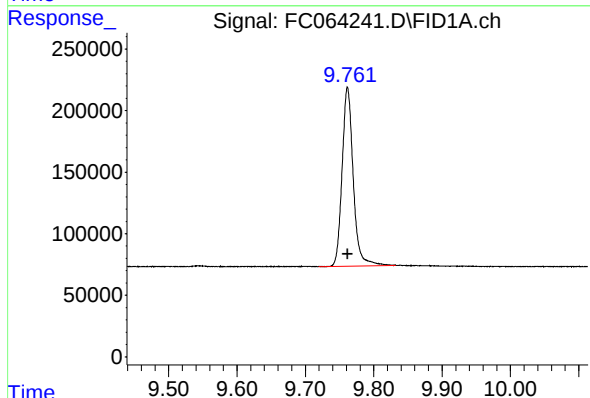
R.T.: 7.000 min
Delta R.T.: 0.002 min
Response: 1543184
Conc: 9.77 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



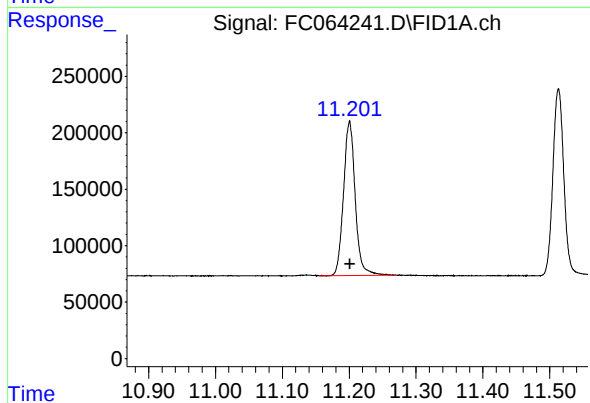
#6 n-Tetradecane (C14)

R.T.: 8.166 min
Delta R.T.: 0.000 min
Response: 1645107
Conc: 10.48 ug/ml



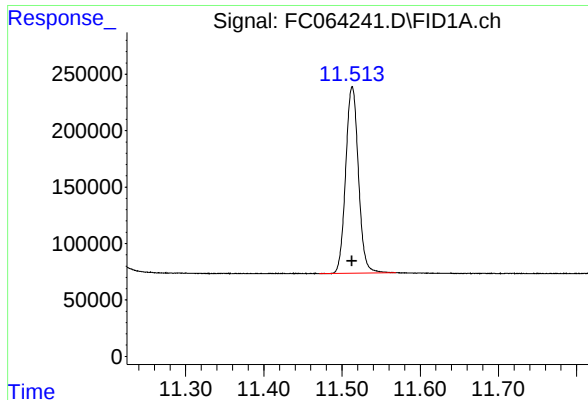
#7 n-Hexadecane (C16)

R.T.: 9.762 min
Delta R.T.: 0.000 min
Response: 1641489
Conc: 10.42 ug/ml



#8 n-Octadecane (C18)

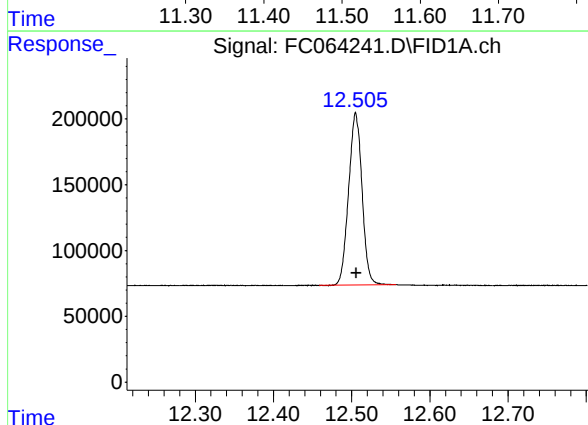
R.T.: 11.201 min
Delta R.T.: -0.001 min
Response: 1662129
Conc: 10.56 ug/ml



#9 ortho-Terphenyl (SURR)

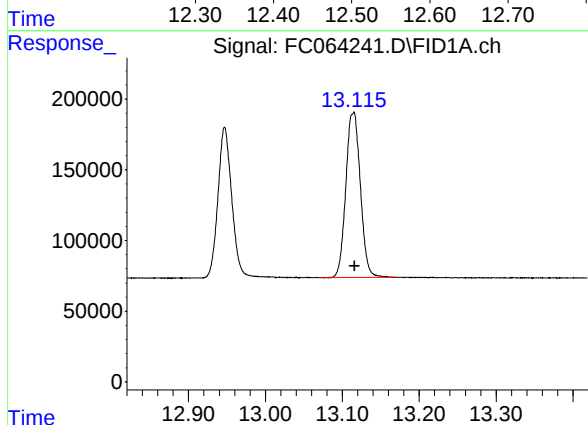
R.T.: 11.513 min
Delta R.T.: 0.000 min
Response: 1868687
Conc: 10.57 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



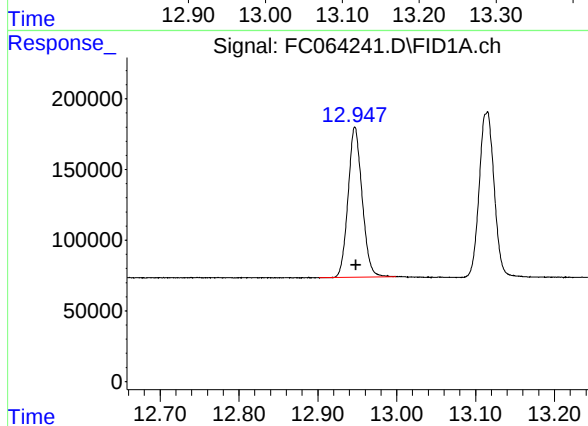
#10 n-Eicosane (C20)

R.T.: 12.505 min
Delta R.T.: 0.000 min
Response: 1564523
Conc: 10.58 ug/ml



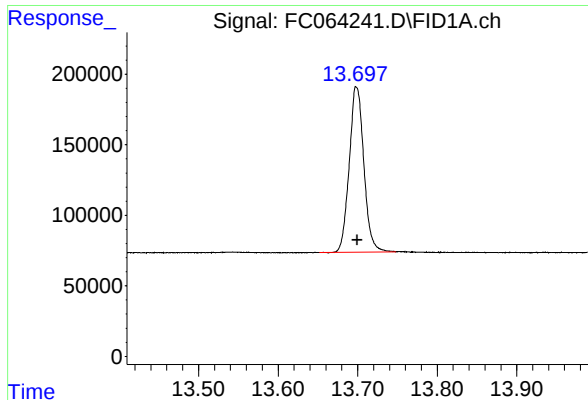
#11 n-Heneicosane (C21)

R.T.: 13.115 min
Delta R.T.: -0.001 min
Response: 1536101
Conc: 10.62 ug/ml



#12 1-chlorooctadecane (SURR)

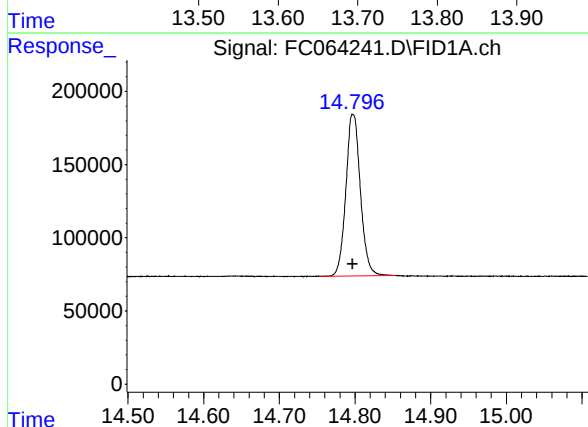
R.T.: 12.947 min
Delta R.T.: -0.001 min
Response: 1314449
Conc: 10.44 ug/ml



#13 n-Docosane (C22)

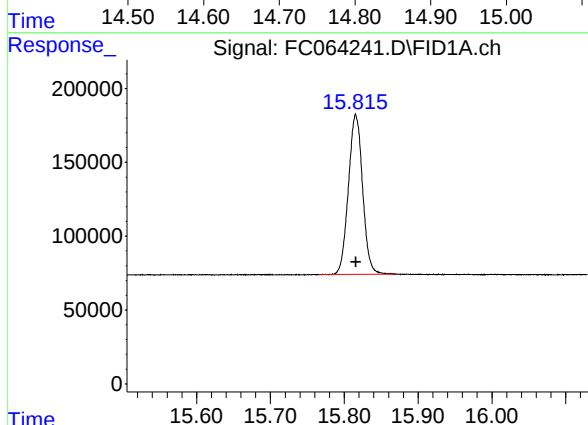
R.T.: 13.698 min
Delta R.T.: 0.000 min
Response: 1493727
Conc: 10.54 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



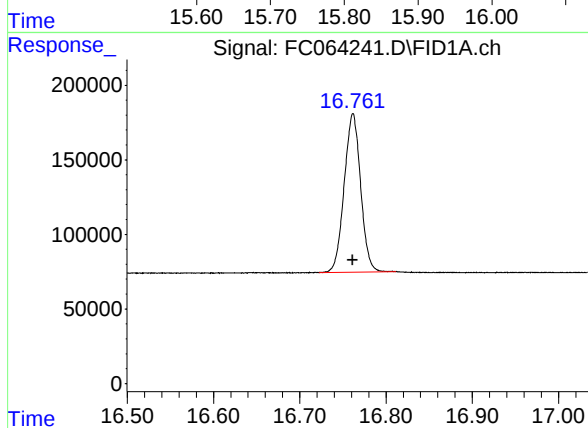
#14 n-Tetracosane (C24)

R.T.: 14.797 min
Delta R.T.: 0.000 min
Response: 1474168
Conc: 10.58 ug/ml



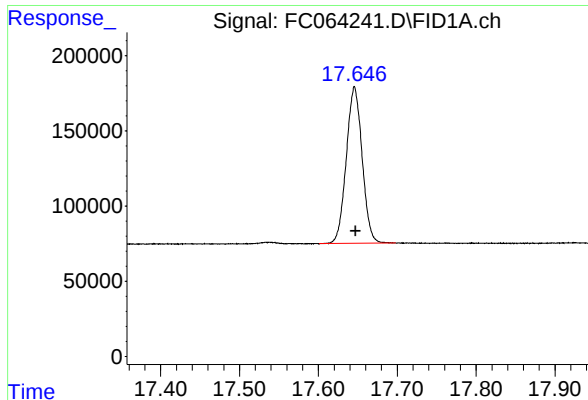
#15 n-Hexacosane (C26)

R.T.: 15.816 min
Delta R.T.: 0.000 min
Response: 1447027
Conc: 10.62 ug/ml



#16 n-Octacosane (C28)

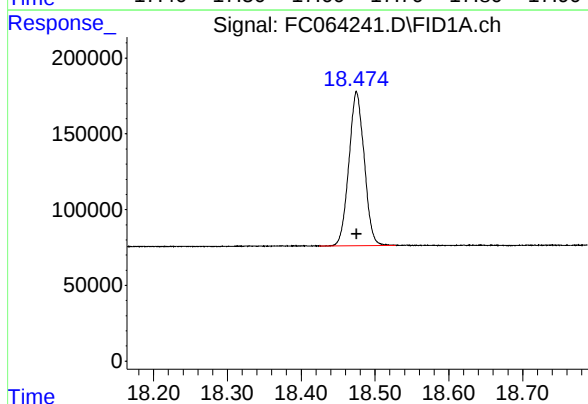
R.T.: 16.762 min
Delta R.T.: 0.000 min
Response: 1406710
Conc: 10.60 ug/ml



#17 n-Tricontane (C30)

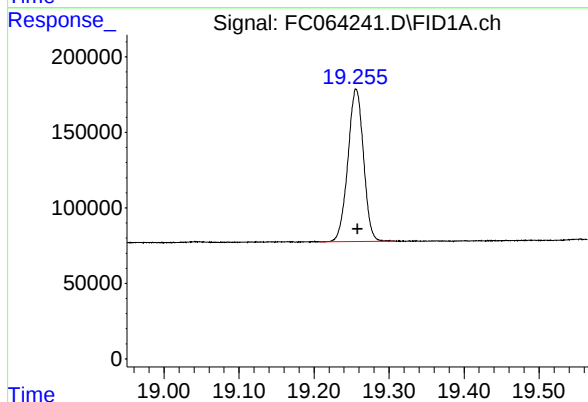
R.T.: 17.646 min
Delta R.T.: -0.001 min
Response: 1455547
Conc: 10.75 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



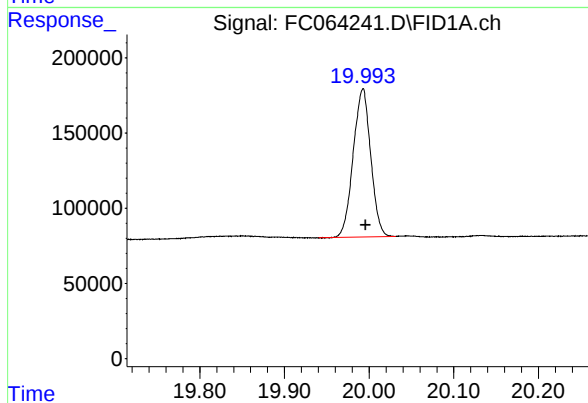
#18 n-Dotriacontane (C32)

R.T.: 18.475 min
Delta R.T.: 0.000 min
Response: 1465912
Conc: 10.87 ug/ml



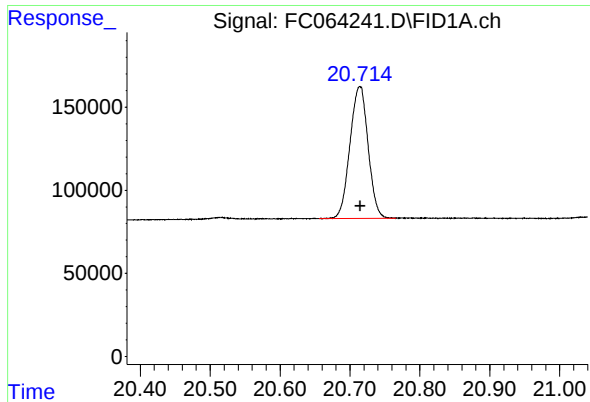
#19 n-Tetatriacontane (C34)

R.T.: 19.256 min
Delta R.T.: -0.002 min
Response: 1456107
Conc: 10.84 ug/ml



#20 n-Hexatriacontane (C36)

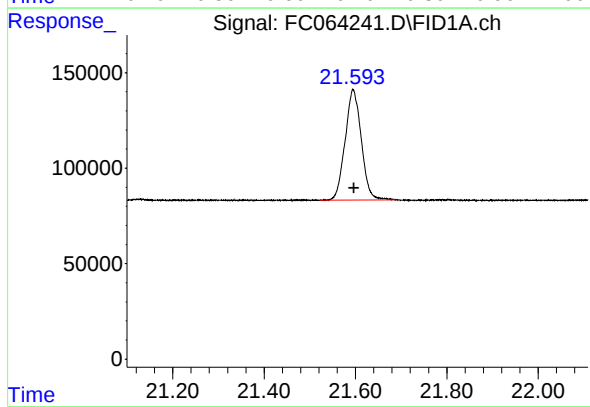
R.T.: 19.993 min
Delta R.T.: -0.003 min
Response: 1416320
Conc: 10.75 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.714 min
Delta R.T.: 0.000 min
Response: 1428913
Conc: 10.78 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



#22 n-Tetracontane (C40)

R.T.: 21.595 min
Delta R.T.: -0.002 min
Response: 1421362
Conc: 10.81 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC072323AL\
Data File : FC064241.D
Signal(s) : FID1A.ch
Acq On : 23 Jul 2023 05:37
Sample : 10 PPM ALIPHATIC HC STD4
Misc :
ALS Vial : 85 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 072323.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	3.242	3.351	BB	199183	1710367	91.53%	5.024%
2	4.362	4.318	4.422	BB	184736	1718858	91.98%	5.049%
3	5.945	5.903	6.039	BB	141838	1653809	88.50%	4.858%
4	6.375	6.336	6.435	BB	168488	1717992	91.94%	5.047%
5	7.000	6.962	7.107	BB	114657	1543184	82.58%	4.533%
6	8.166	8.119	8.237	BB	147765	1645107	88.04%	4.833%
7	9.762	9.720	9.832	BB	145483	1641489	87.84%	4.822%
8	11.201	11.155	11.270	BB	137096	1662129	88.95%	4.883%
9	11.513	11.471	11.569	BB	165522	1868687	100.00%	5.489%
10	12.505	12.458	12.557	BB	131373	1564523	83.72%	4.596%
11	12.947	12.902	12.999	BB	106223	1314449	70.34%	3.861%
12	13.115	13.070	13.170	BB	116812	1536101	82.20%	4.512%
13	13.698	13.652	13.748	BB	116897	1493727	79.93%	4.388%
14	14.797	14.752	14.854	BB	110165	1474168	78.89%	4.330%
15	15.816	15.766	15.870	BB	108246	1447027	77.44%	4.251%
16	16.762	16.722	16.812	BB	106330	1406710	75.28%	4.132%
17	17.646	17.601	17.698	BB	104418	1455547	77.89%	4.276%
18	18.475	18.424	18.528	BB	101863	1465912	78.45%	4.306%
19	19.256	19.207	19.309	BB	100937	1456107	77.92%	4.277%
20	19.993	19.941	20.032	BB	98534	1416320	75.79%	4.160%
21	20.714	20.656	20.766	BB	79411	1428913	76.47%	4.197%
22	21.595	21.520	21.689	BB	57759	1421362	76.06%	4.175%
Sum of corrected areas:						34042487		

Aliphatic EPH 072323.M Mon Jul 24 02:20:22 2023

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC072323AL\
 Data File : FC064242.D
 Signal(s) : FID1A.ch
 Acq On : 23 Jul 2023 06:16
 Operator : YP/AJ
 Sample : 5 PPM ALIPHATIC HC STD5
 Misc :
 ALS Vial : 86 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 5 PPM ALIPHATIC HC STD5

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/24/2023
 Supervised By :Ankita Jodhani 07/24/2023

Integration File: autoint1.e
 Quant Time: Jul 24 01:53:53 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 072323.M
 Quant Title : GC Extractables
 QLast Update : Mon Jul 24 01:41:11 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)	11.512	923106	5.174 ug/ml
Spiked Amount 50.000		Recovery =	10.35%
12) S 1-chlorooctadecane (S...	12.948	635140	5.036 ug/ml
Spiked Amount 50.000		Recovery =	10.07%
Target Compounds			
1) T n-Nonane (C9)	3.300	829677	5.108 ug/mlm
2) T n-Decane (C10)	4.362	826680	5.056 ug/ml
3) T A~Naphthalene (C11.7)	5.948	718330	4.426 ug/ml
4) T n-Dodecane (C12)	6.376	822973	5.041 ug/ml
5) T A~2-methylnaphthalene...	7.005	650192	4.267 ug/ml
6) T n-Tetradecane (C14)	8.167	784248	4.995 ug/ml
7) T n-Hexadecane (C16)	9.763	780915	4.966 ug/ml
8) T n-Octadecane (C18)	11.200	813992	5.138 ug/ml
10) T n-Eicosane (C20)	12.505	772303	5.175 ug/ml
11) T n-Heneicosane (C21)	13.115	756728	5.185 ug/ml
13) T n-Docosane (C22)	13.700	733498	5.139 ug/ml
14) T n-Tetracosane (C24)	14.798	725208	5.163 ug/ml
15) T n-Hexacosane (C26)	15.815	709134	5.164 ug/ml
16) T n-Octacosane (C28)	16.763	697833	5.204 ug/ml
17) T n-Tricontane (C30)	17.647	760783	5.481 ug/ml
18) T n-Dotriacontane (C32)	18.476	820082	5.828 ug/ml
19) T n-Tetratriacontane (C34)	19.257	785683	5.659 ug/ml
20) T n-Hexatriacontane (C36)	19.993	757186	5.578 ug/mlm
21) T n-Octatriacontane (C38)	20.715	738774	5.447 ug/ml
22) T n-Tetracontane (C40)	21.595	727975	5.418 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC072323AL\
Data File : FC064242.D
Signal(s) : FID1A.ch
Acq On : 23 Jul 2023 06:16
Operator : YP/AJ
Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 86 Sample Multiplier: 1

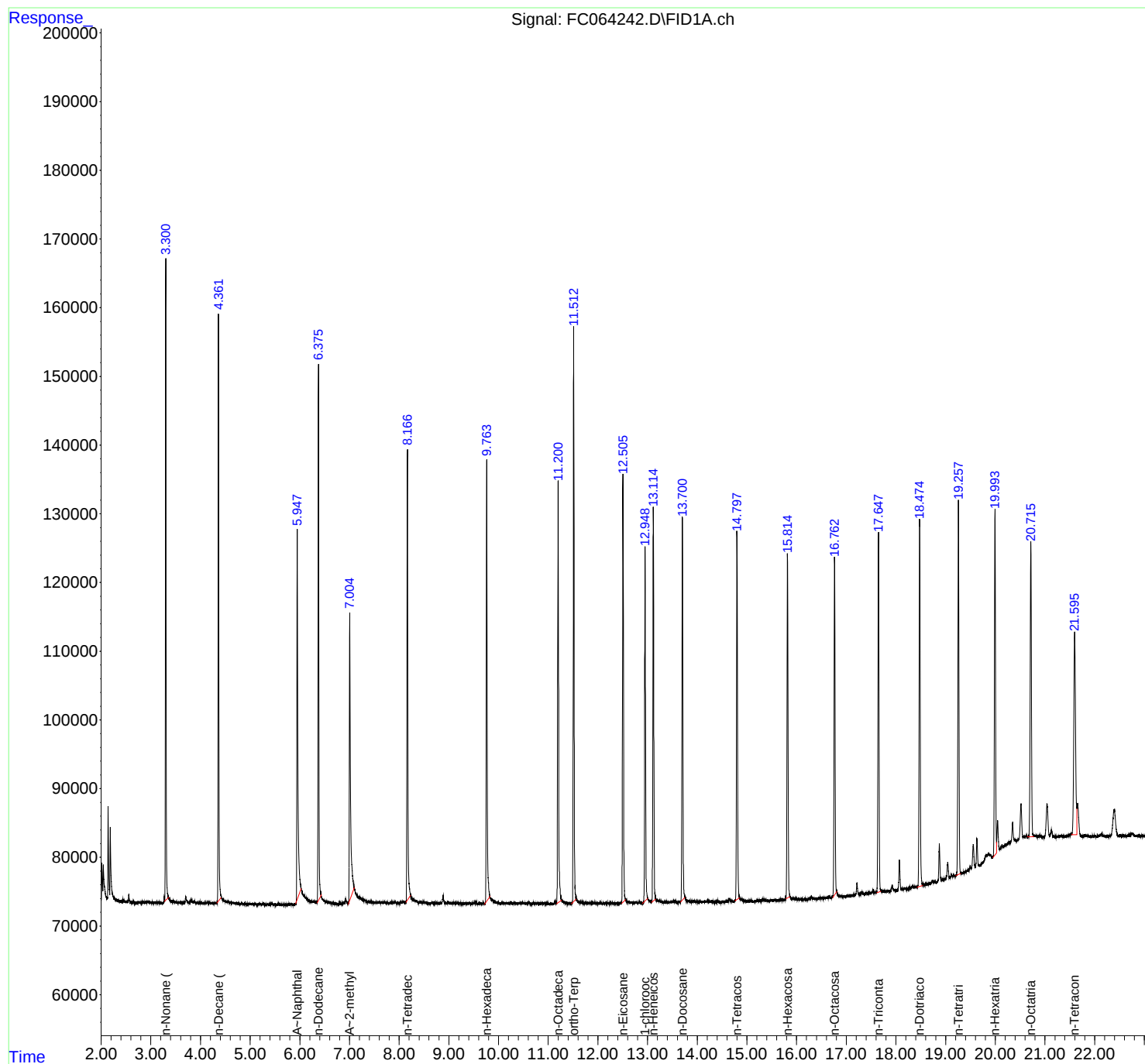
Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5

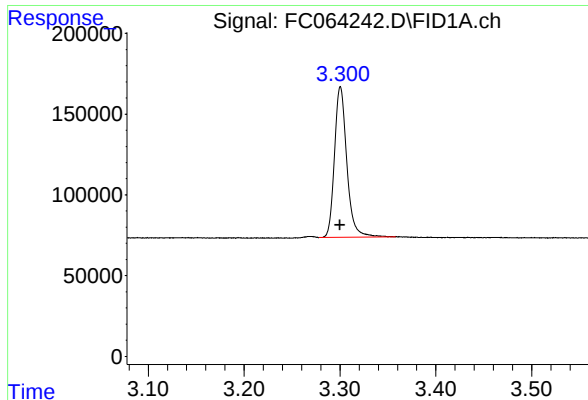
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/24/2023
Supervised By :Ankita Jodhani 07/24/2023

Integration File: autoint1.e
Quant Time: Jul 24 01:53:53 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 072323.M
Quant Title : GC Extractables
QLast Update : Mon Jul 24 01:41:11 2023
Response via : Initial Calibration
Integrator: ChemStation

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





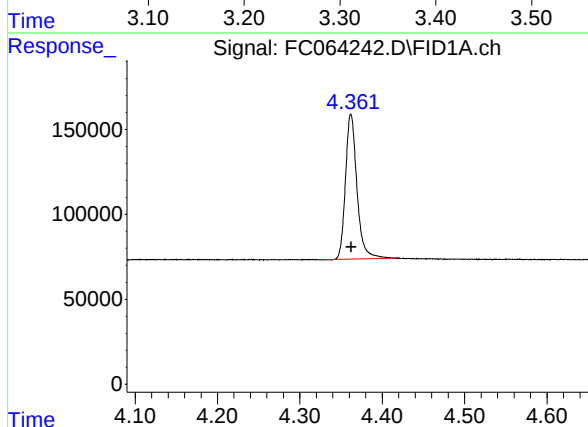
#1 n-Nonane (C9)

R.T.: 3.300 min
Delta R.T.: 0.000 min
Response: 829677
Conc: 5.11 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5

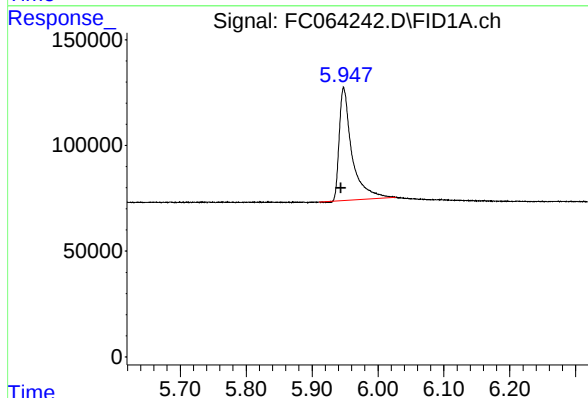
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/24/2023
Supervised By :Ankita Jodhani 07/24/2023



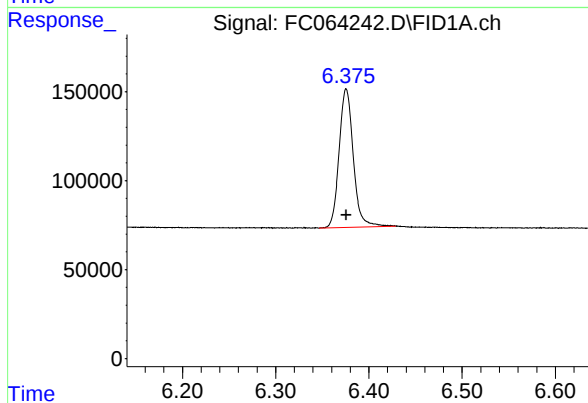
#2 n-Decane (C10)

R.T.: 4.362 min
Delta R.T.: 0.000 min
Response: 826680
Conc: 5.06 ug/ml



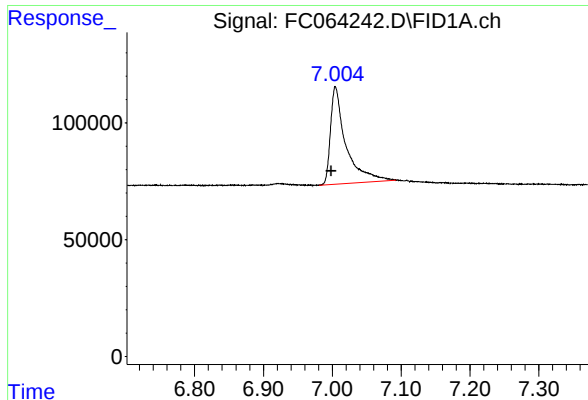
#3 A~Naphthalene (C11.7)

R.T.: 5.948 min
Delta R.T.: 0.005 min
Response: 718330
Conc: 4.43 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.376 min
Delta R.T.: 0.000 min
Response: 822973
Conc: 5.04 ug/ml



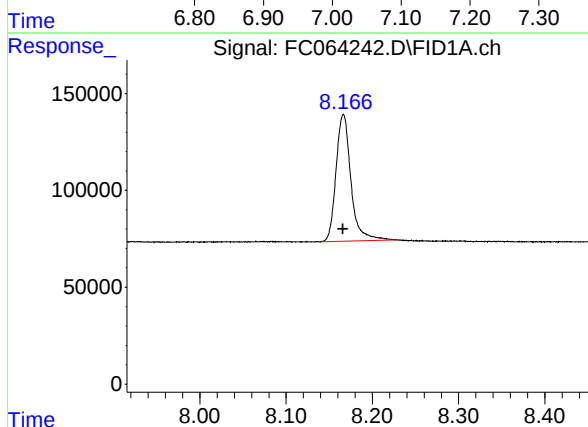
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.005 min
Delta R.T.: 0.006 min
Response: 650192
Conc: 4.27 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5

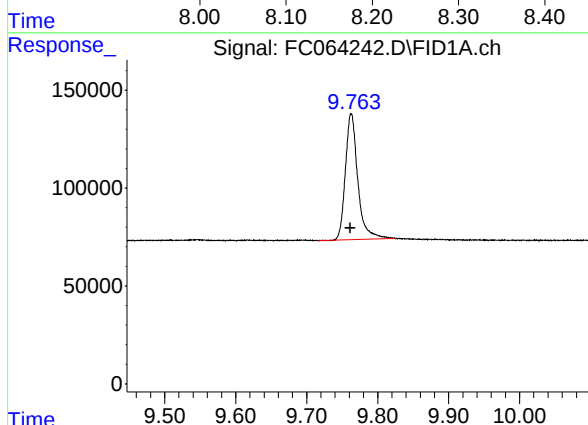
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/24/2023
Supervised By :Ankita Jodhani 07/24/2023



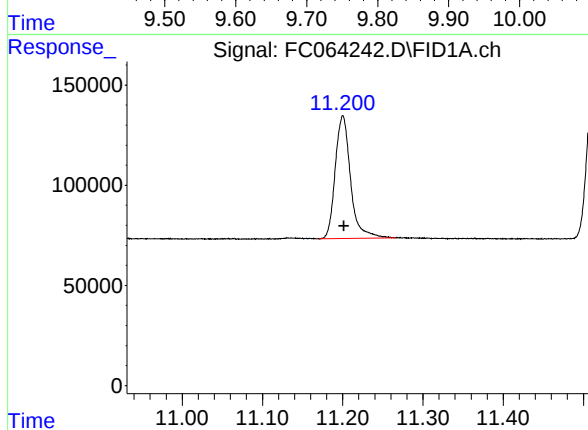
#6 n-Tetradecane (C14)

R.T.: 8.167 min
Delta R.T.: 0.000 min
Response: 784248
Conc: 4.99 ug/ml



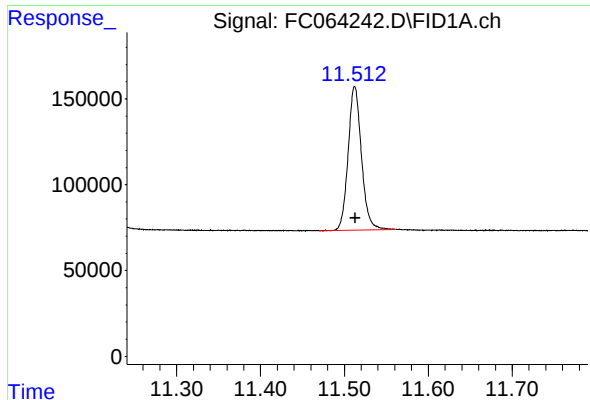
#7 n-Hexadecane (C16)

R.T.: 9.763 min
Delta R.T.: 0.000 min
Response: 780915
Conc: 4.97 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.200 min
Delta R.T.: -0.001 min
Response: 813992
Conc: 5.14 ug/ml



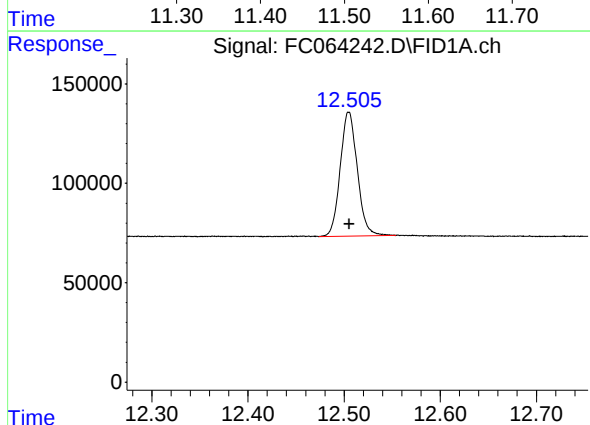
#9 ortho-Terphenyl (SURR)

R.T.: 11.512 min
Delta R.T.: 0.000 min
Response: 923106
Conc: 5.17 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5

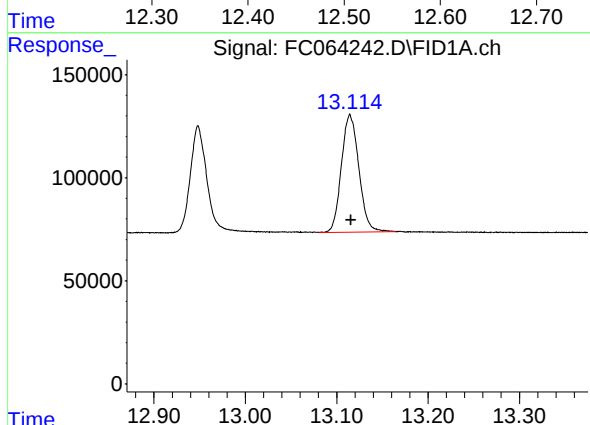
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/24/2023
Supervised By :Ankita Jodhani 07/24/2023



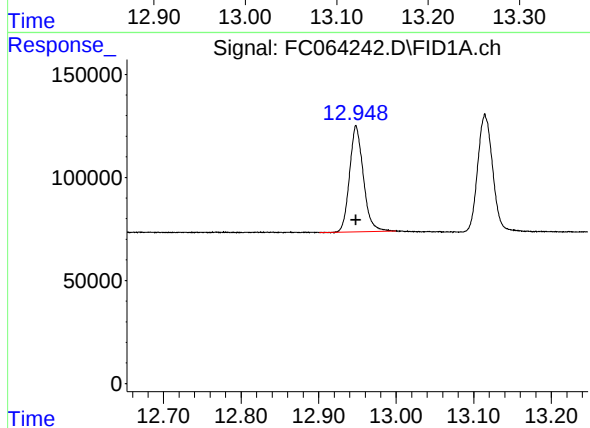
#10 n-Eicosane (C20)

R.T.: 12.505 min
Delta R.T.: 0.000 min
Response: 772303
Conc: 5.17 ug/ml



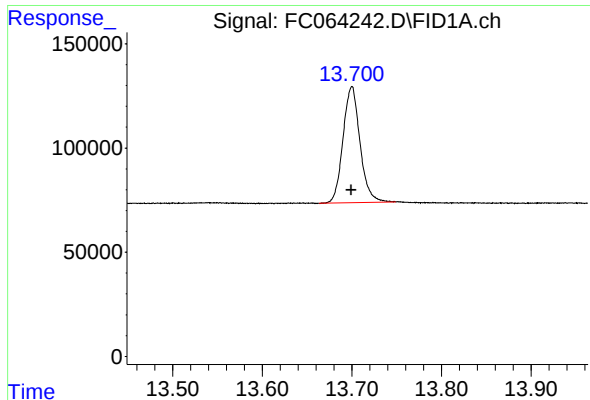
#11 n-Heneicosane (C21)

R.T.: 13.115 min
Delta R.T.: -0.001 min
Response: 756728
Conc: 5.18 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.948 min
Delta R.T.: 0.000 min
Response: 635140
Conc: 5.04 ug/ml



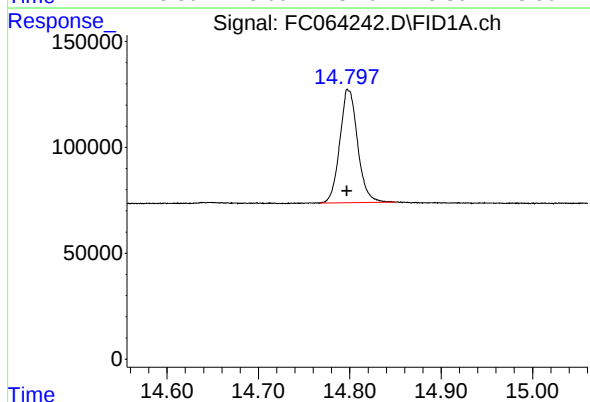
#13 n-Docosane (C22)

R.T.: 13.700 min
Delta R.T.: 0.000 min
Response: 733498
Conc: 5.14 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5

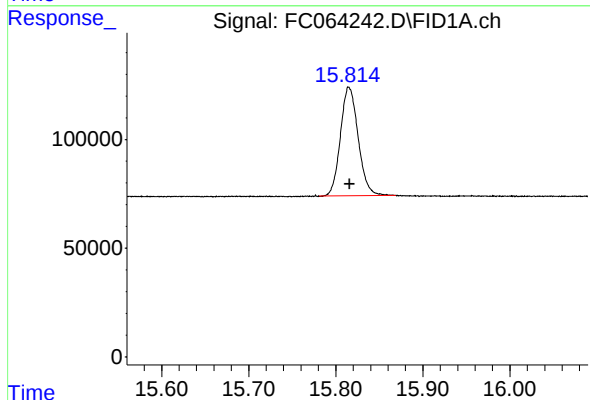
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/24/2023
Supervised By :Ankita Jodhani 07/24/2023



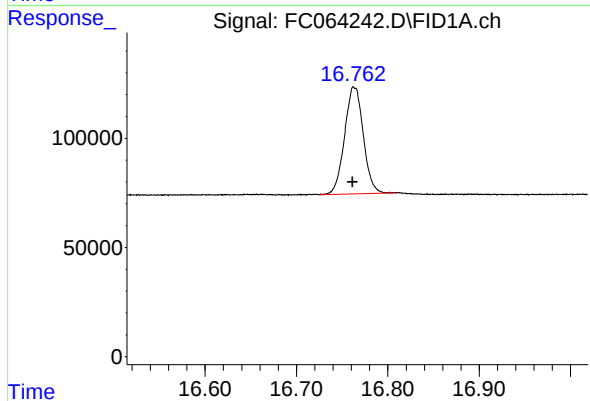
#14 n-Tetracosane (C24)

R.T.: 14.798 min
Delta R.T.: 0.002 min
Response: 725208
Conc: 5.16 ug/ml



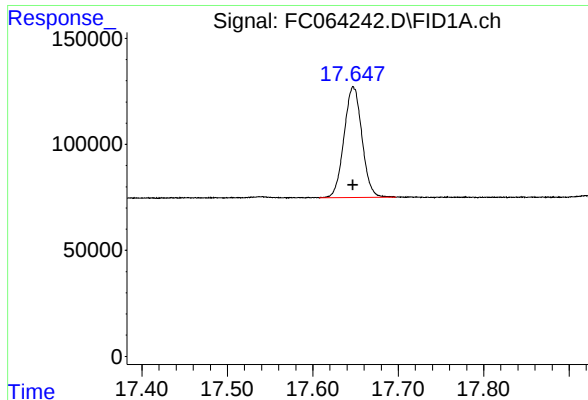
#15 n-Hexacosane (C26)

R.T.: 15.815 min
Delta R.T.: 0.000 min
Response: 709134
Conc: 5.16 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.763 min
Delta R.T.: 0.002 min
Response: 697833
Conc: 5.20 ug/ml



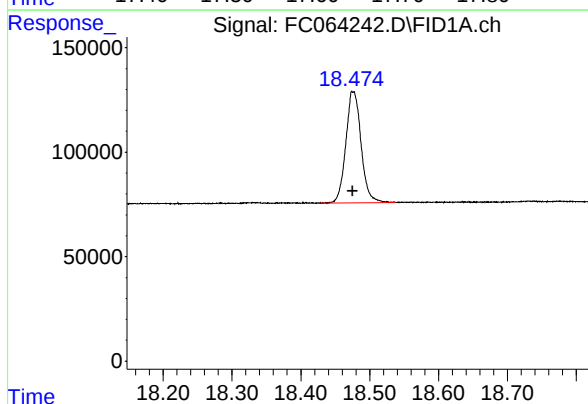
#17 n-Tricontane (C30)

R.T.: 17.647 min
Delta R.T.: 0.000 min
Response: 760783
Conc: 5.48 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5

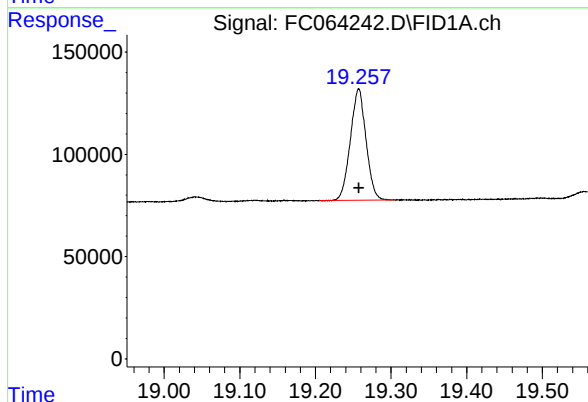
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/24/2023
Supervised By :Ankita Jodhani 07/24/2023



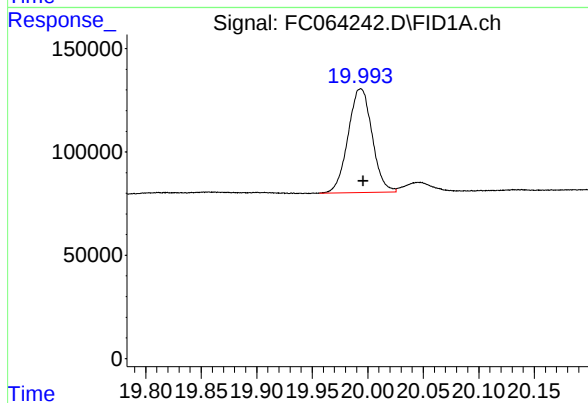
#18 n-Dotriacontane (C32)

R.T.: 18.476 min
Delta R.T.: 0.000 min
Response: 820082
Conc: 5.83 ug/ml



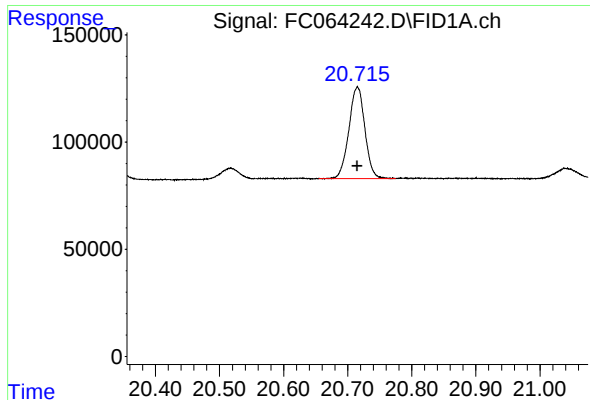
#19 n-Tetratriacontane (C34)

R.T.: 19.257 min
Delta R.T.: 0.000 min
Response: 785683
Conc: 5.66 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.993 min
Delta R.T.: -0.003 min
Response: 757186
Conc: 5.58 ug/ml m



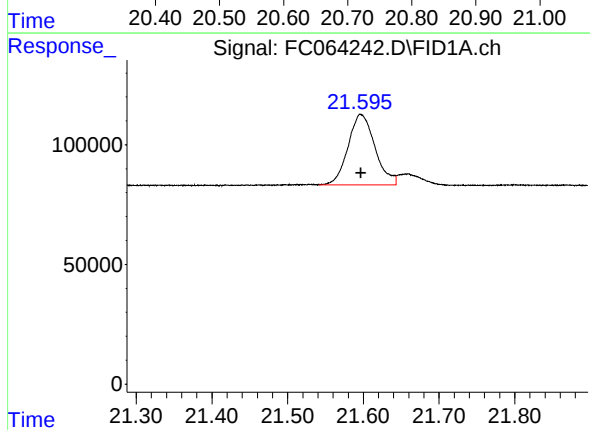
#21 n-Octatriacontane (C38)

R.T.: 20.715 min
Delta R.T.: 0.000 min
Response: 738774
Conc: 5.45 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5

Manual Integrations
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Reviewed By :Yogesh Patel 07/24/2023
Supervised By :Ankita Jodhani 07/24/2023



#22 n-Tetracontane (C40)

R.T.: 21.595 min
Delta R.T.: -0.002 min
Response: 727975
Conc: 5.42 ug/ml m

Instrument :
FID_C
LabSampleId :
5 PPM ALIPHATIC HC STD5

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 07/24/2023
Supervised By :Ankita Jodhani 07/24/2023

rteres

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FID_C
Data File : FC064242.D
Signal(s) : FID1A.ch
Acq On : 23 Jul 2023 06:16
Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 86 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 072323.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	3.301	3.241	3.350	BB	93309	833573	90.30%	5.024%
2	4.362	4.323	4.416	BB	85299	826680	89.55%	4.983%
3	5.948	5.911	6.027	BB	53597	718330	77.82%	4.330%
4	6.376	6.346	6.429	BB	77904	822973	89.15%	4.960%
5	7.005	6.981	7.092	BB	41635	650192	70.44%	3.919%
6	8.167	8.138	8.227	BB	65541	784248	84.96%	4.727%
7	9.763	9.717	9.826	BB	64259	780915	84.60%	4.707%
8	11.200	11.171	11.266	BB	61410	813992	88.18%	4.906%
9	11.512	11.470	11.561	BB	83653	923106	100.00%	5.564%
10	12.505	12.474	12.554	BB	62240	772303	83.66%	4.655%
11	12.948	12.901	13.000	BB	51608	635140	68.80%	3.828%
12	13.115	13.081	13.165	BB	57210	756728	81.98%	4.561%
13	13.700	13.663	13.749	BB	55814	733498	79.46%	4.421%
14	14.798	14.766	14.851	BB	53134	725208	78.56%	4.371%
15	15.815	15.781	15.869	BB	49911	709134	76.82%	4.274%
16	16.763	16.725	16.809	BB	48868	697833	75.60%	4.206%
17	17.647	17.607	17.697	BB	52234	760783	82.42%	4.585%
18	18.476	18.426	18.538	BB	52755	820082	88.84%	4.943%
19	19.257	19.205	19.306	BB	54411	785683	85.11%	4.735%
20	19.994	19.941	20.023	BV	49341	713994	77.35%	4.303%
21	20.715	20.655	20.775	BB	42877	738774	80.03%	4.453%
22	21.596	21.527	21.640	BV	26968	588331	63.73%	3.546%
Sum of corrected areas:						16591498		

Aliphatic EPH 072323.M Mon Jul 24 02:20:36 2023

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC072323AL\
 Data File : FC064243.D
 Signal(s) : FID1A.ch
 Acq On : 23 Jul 2023 07:35
 Operator : YP/AJ
 Sample : 20 PPM ALIPHATIC HC STD ICV
 Misc :
 ALS Vial : 88 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 20 PPM ALIPHATIC HC STD ICV

Integration File: autoint1.e
 Quant Time: Jul 24 01:59:48 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 072323.M
 Quant Title : GC Extractables
 QLast Update : Mon Jul 24 01:54:49 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)	11.513	3699405	20.736 ug/ml
Spiked Amount 50.000		Recovery =	41.47%
12) S 1-chlorooctadecane (S...	12.947	2633060	20.879 ug/ml
Spiked Amount 50.000		Recovery =	41.76%
Target Compounds			
1) T n-Nonane (C9)	3.299	3352433	20.661 ug/ml
2) T n-Decane (C10)	4.362	3397000	20.774 ug/ml
3) T A~Naphthalene (C11.7)	5.943	3481348	21.451 ug/ml
4) T n-Dodecane (C12)	6.376	3394174	20.791 ug/ml
5) T A~2-methylnaphthalene...	6.998	3267893	21.447 ug/ml
6) T n-Tetradecane (C14)	8.166	3295095	20.987 ug/ml
7) T n-Hexadecane (C16)	9.763	3297803	20.974 ug/ml
8) T n-Octadecane (C18)	11.200	3301537	20.838 ug/ml
10) T n-Eicosane (C20)	12.505	3102626	20.789 ug/ml
11) T n-Heneicosane (C21)	13.115	3028826	20.752 ug/ml
13) T n-Docosane (C22)	13.698	2967704	20.793 ug/ml
14) T n-Tetracosane (C24)	14.799	2908327	20.705 ug/ml
15) T n-Hexacosane (C26)	15.816	2835469	20.649 ug/ml
16) T n-Octacosane (C28)	16.762	2760532	20.586 ug/ml
17) T n-Tricontane (C30)	17.648	2800232	20.174 ug/ml
18) T n-Dotriacontane (C32)	18.476	2782803	19.775 ug/ml
19) T n-Tetratriacontane (C34)	19.257	2776943	20.001 ug/ml
20) T n-Hexatriacontane (C36)	19.993	2721859	20.060 ug/ml
21) T n-Octatriacontane (C38)	20.715	2746959	20.253 ug/ml
22) T n-Tetracontane (C40)	21.598	2717095	20.228 ug/ml

(f)=RT Delta > 1/2 Window

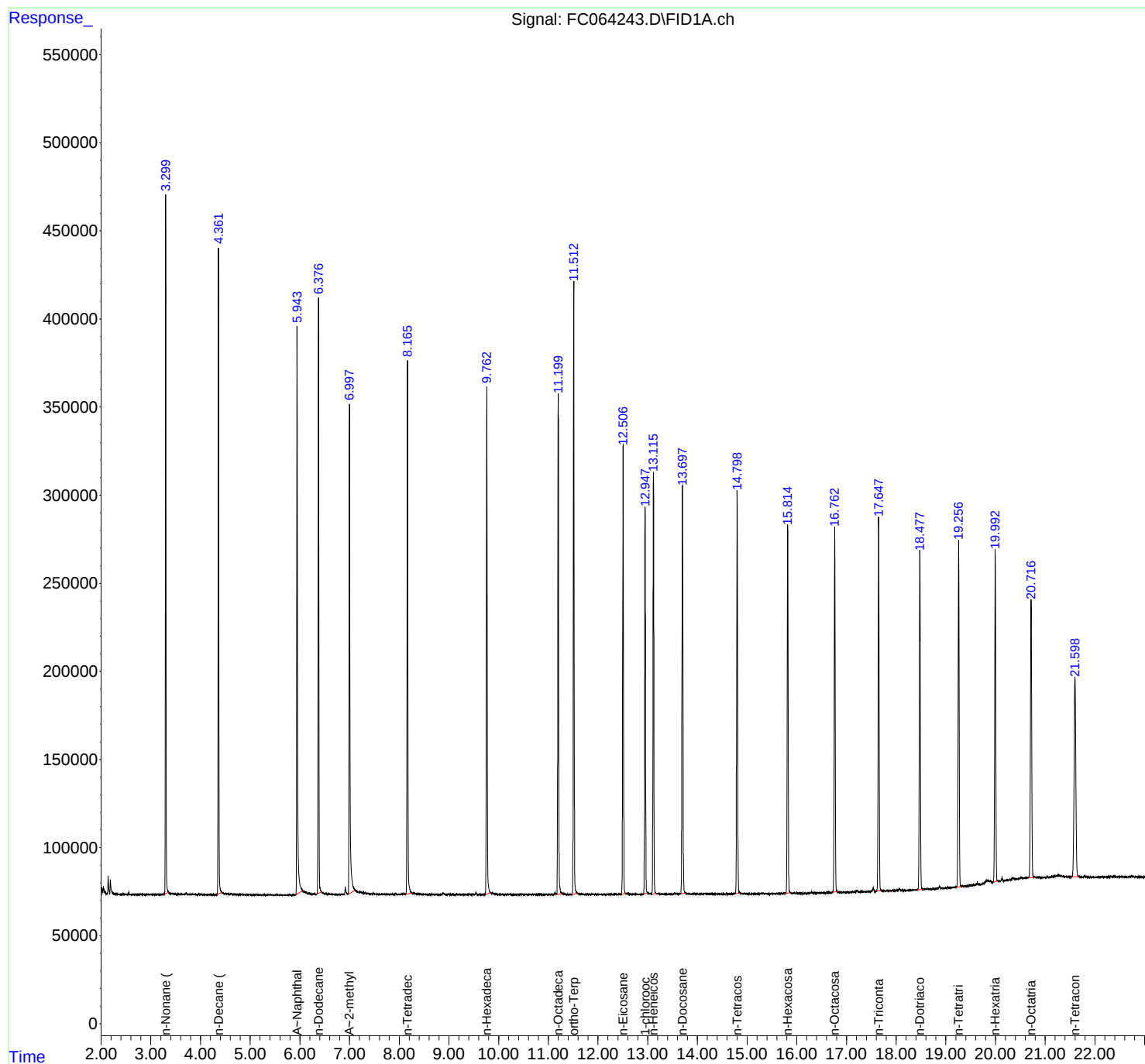
(m)=manual int.

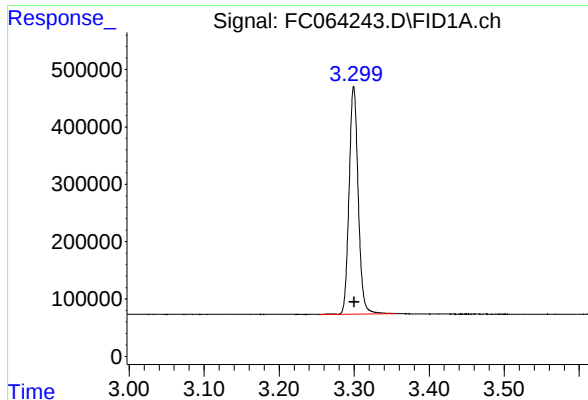
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC072323AL\
Data File : FC064243.D
Signal(s) : FID1A.ch
Acq On : 23 Jul 2023 07:35
Operator : YP/AJ
Sample : 20 PPM ALIPHATIC HC STD ICV
Misc :
ALS Vial : 88 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV

Integration File: autoint1.e
Quant Time: Jul 24 01:59:48 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 072323.M
Quant Title : GC Extractables
QLast Update : Mon Jul 24 01:54:49 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)

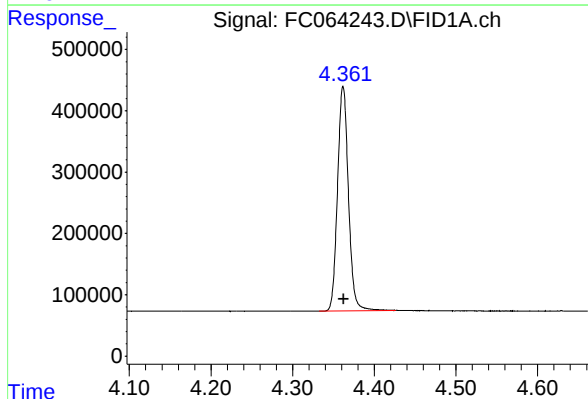
R.T.: 3.299 min
Delta R.T.: 0.000 min
Response: 3352433
Conc: 20.66 ug/ml

Instrument :

FID_C

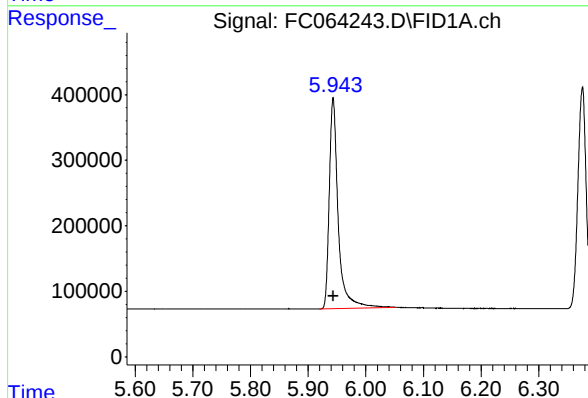
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



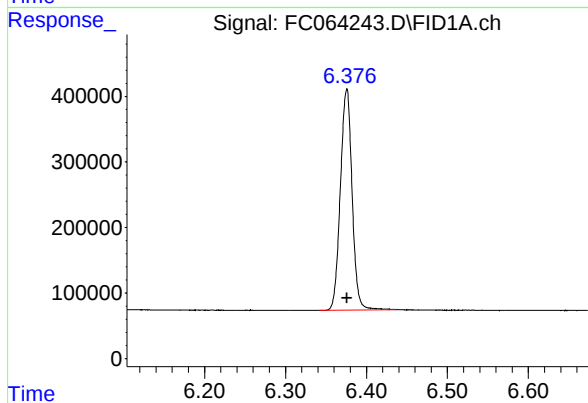
#2 n-Decane (C10)

R.T.: 4.362 min
Delta R.T.: 0.000 min
Response: 3397000
Conc: 20.77 ug/ml



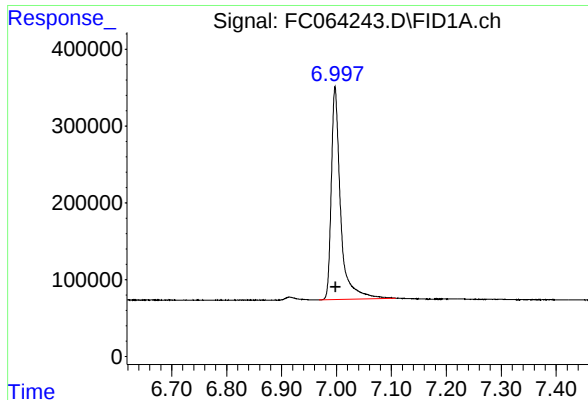
#3 A~Naphthalene (C11.7)

R.T.: 5.943 min
Delta R.T.: 0.000 min
Response: 3481348
Conc: 21.45 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.376 min
Delta R.T.: 0.000 min
Response: 3394174
Conc: 20.79 ug/ml



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

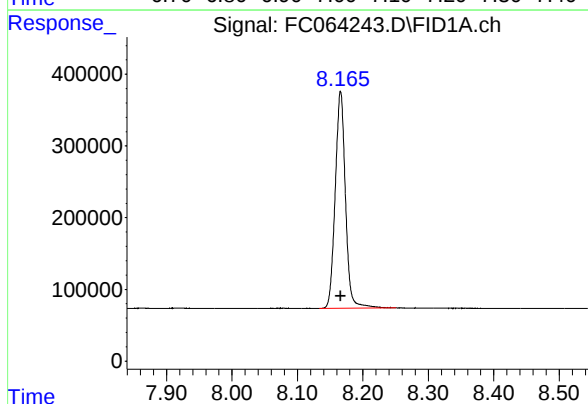
R.T.: 6.998 min
Delta R.T.: 0.000 min
Response: 3267893
Conc: 21.45 ug/ml

Instrument :

FID_C

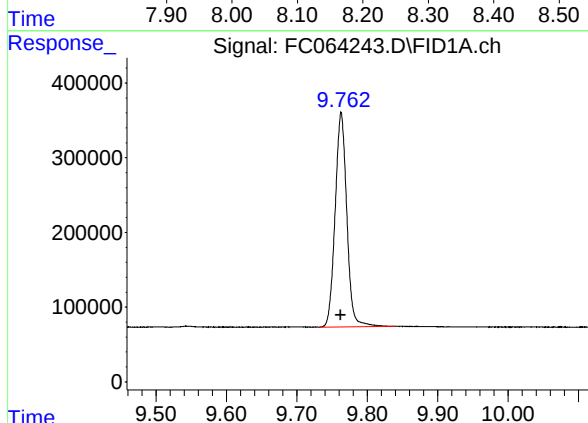
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



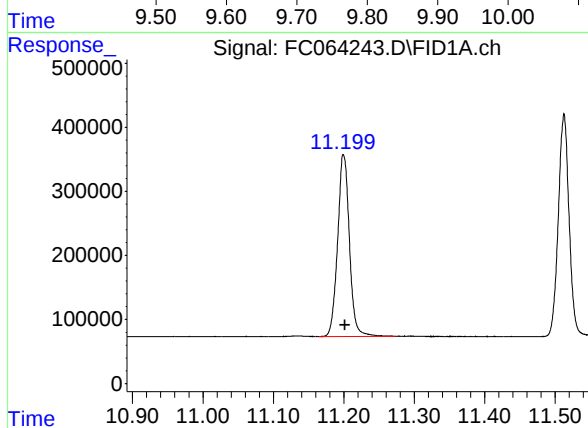
#6 n-Tetradecane (C14)

R.T.: 8.166 min
Delta R.T.: 0.000 min
Response: 3295095
Conc: 20.99 ug/ml



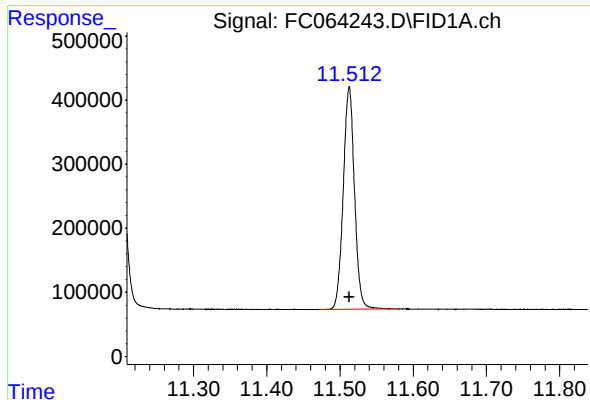
#7 n-Hexadecane (C16)

R.T.: 9.763 min
Delta R.T.: 0.001 min
Response: 3297803
Conc: 20.97 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.200 min
Delta R.T.: -0.002 min
Response: 3301537
Conc: 20.84 ug/ml



#9 ortho-Terphenyl (SURR)

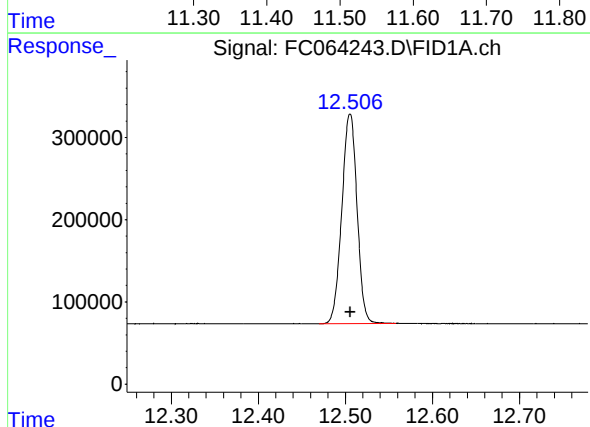
R.T.: 11.513 min
Delta R.T.: 0.000 min
Response: 3699405
Conc: 20.74 ug/ml

Instrument :

FID_C

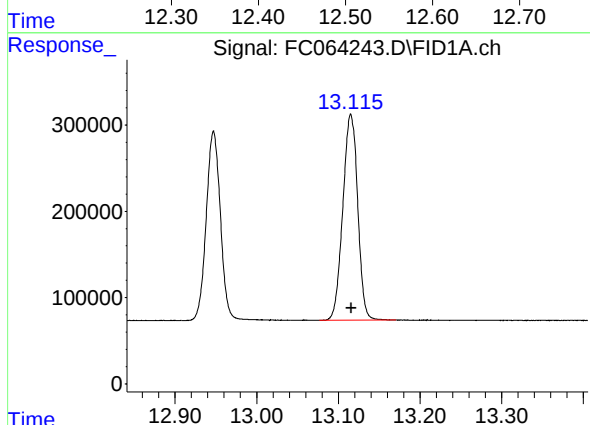
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



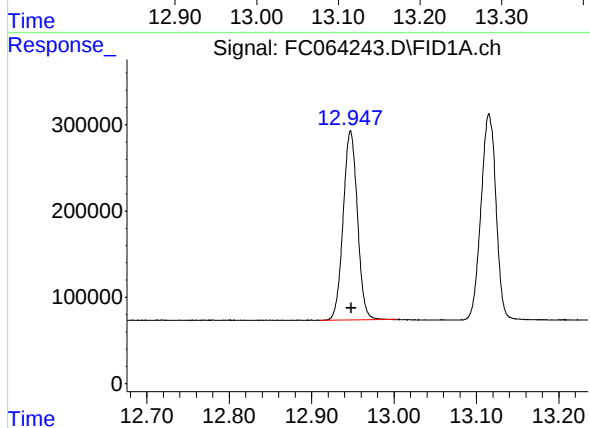
#10 n-Eicosane (C20)

R.T.: 12.505 min
Delta R.T.: 0.000 min
Response: 3102626
Conc: 20.79 ug/ml



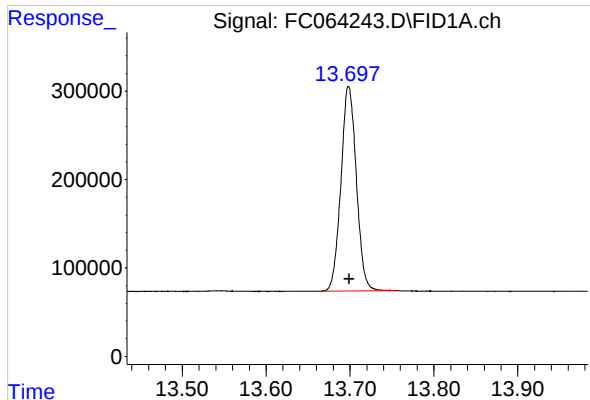
#11 n-Heneicosane (C21)

R.T.: 13.115 min
Delta R.T.: 0.000 min
Response: 3028826
Conc: 20.75 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.947 min
Delta R.T.: 0.000 min
Response: 2633060
Conc: 20.88 ug/ml



#13 n-Docosane (C22)

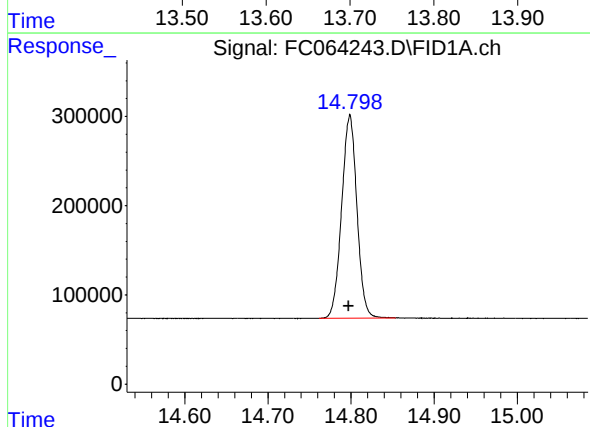
R.T.: 13.698 min
Delta R.T.: -0.001 min
Response: 2967704
Conc: 20.79 ug/ml

Instrument :

FID_C

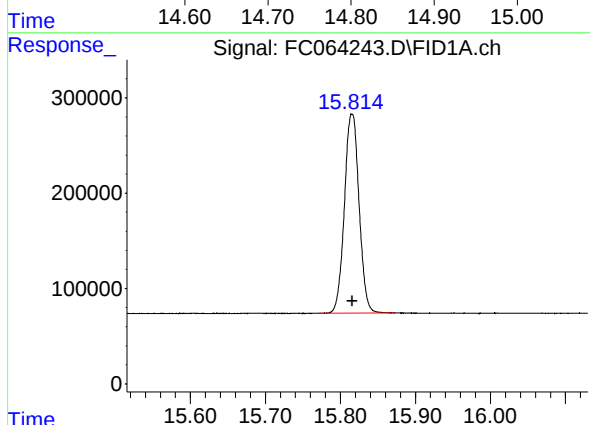
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



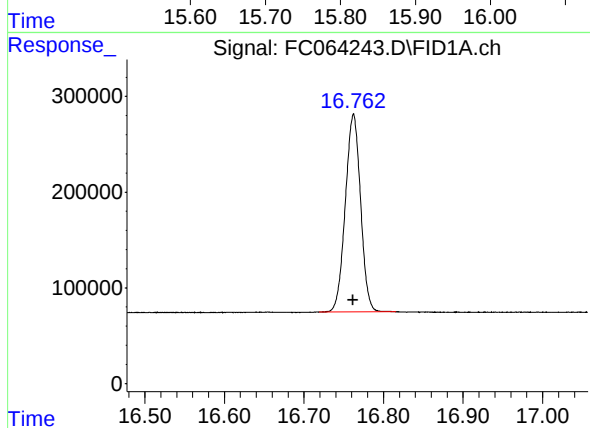
#14 n-Tetracosane (C24)

R.T.: 14.799 min
Delta R.T.: 0.002 min
Response: 2908327
Conc: 20.71 ug/ml



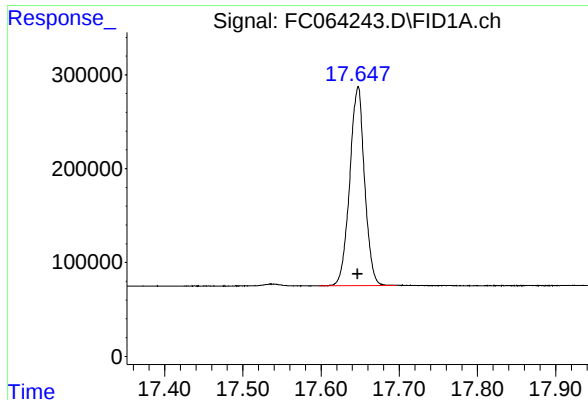
#15 n-Hexacosane (C26)

R.T.: 15.816 min
Delta R.T.: 0.000 min
Response: 2835469
Conc: 20.65 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.762 min
Delta R.T.: 0.000 min
Response: 2760532
Conc: 20.59 ug/ml



#17 n-Tricontane (C30)

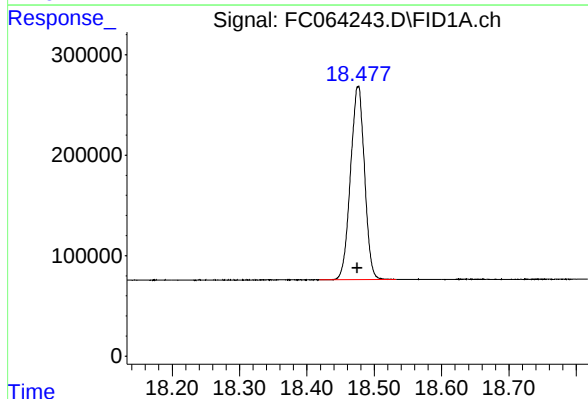
R.T.: 17.648 min
Delta R.T.: 0.000 min
Response: 2800232
Conc: 20.17 ug/ml

Instrument :

FID_C

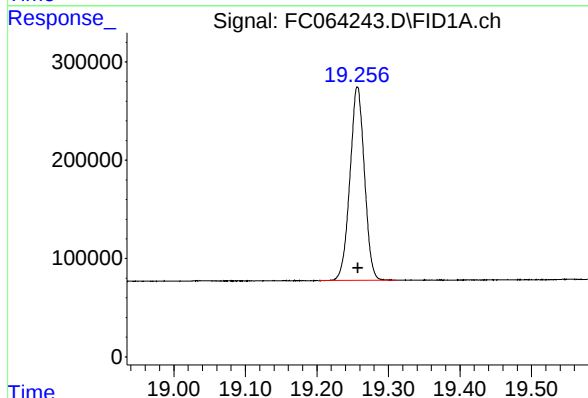
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



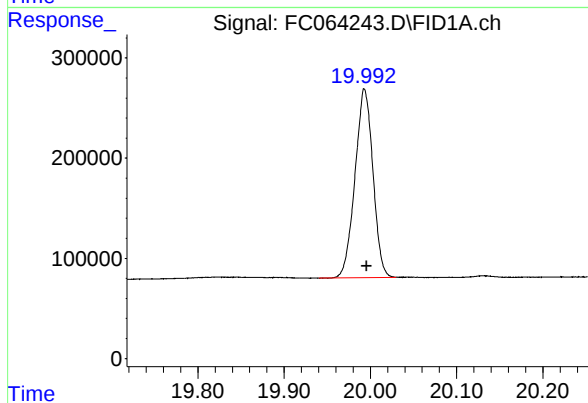
#18 n-Dotriacontane (C32)

R.T.: 18.476 min
Delta R.T.: 0.000 min
Response: 2782803
Conc: 19.78 ug/ml



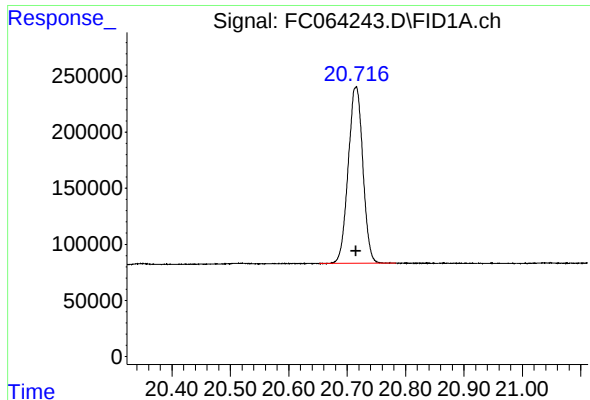
#19 n-Tetatriacontane (C34)

R.T.: 19.257 min
Delta R.T.: -0.001 min
Response: 2776943
Conc: 20.00 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.993 min
Delta R.T.: -0.003 min
Response: 2721859
Conc: 20.06 ug/ml



#21 n-Octatriacontane (C38)

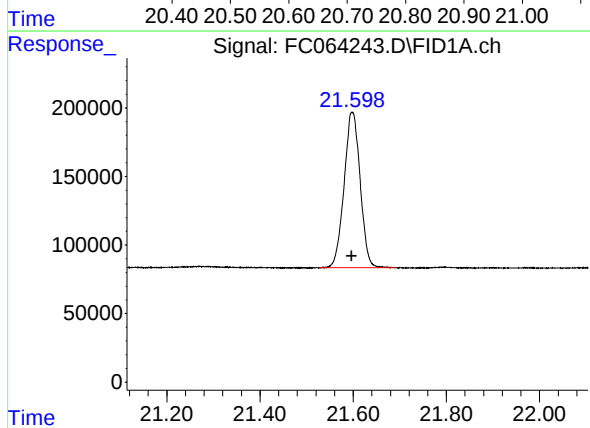
R.T.: 20.715 min
Delta R.T.: 0.000 min
Response: 2746959
Conc: 20.25 ug/ml

Instrument :

FID_C

ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



#22 n-Tetracontane (C40)

R.T.: 21.598 min
Delta R.T.: 0.000 min
Response: 2717095
Conc: 20.23 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC072323AL\
Data File : FC064243.D
Signal(s) : FID1A.ch
Acq On : 23 Jul 2023 07:35
Sample : 20 PPM ALIPHATIC HC STD ICV
Misc :
ALS Vial : 88 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 072323.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	3.299	3.253	3.356	BB	396418	3352433	90.62%	4.984%
2	4.362	4.332	4.426	BB	366057	3397000	91.83%	5.050%
3	5.943	5.919	6.052	BB	322017	3481348	94.11%	5.175%
4	6.376	6.341	6.436	BB	337246	3394174	91.75%	5.046%
5	6.998	6.968	7.108	BB	277234	3267893	88.34%	4.858%
6	8.166	8.133	8.251	BB	301994	3295095	89.07%	4.898%
7	9.763	9.731	9.841	BB	287545	3297803	89.14%	4.902%
8	11.200	11.165	11.274	BB	283110	3301537	89.25%	4.908%
9	11.513	11.471	11.576	BB	348155	3699405	100.00%	5.499%
10	12.505	12.470	12.558	BB	254842	3102626	83.87%	4.612%
11	12.947	12.909	13.002	BB	219532	2633060	71.18%	3.914%
12	13.115	13.076	13.171	BB	239260	3028826	81.87%	4.503%
13	13.698	13.663	13.755	BB	231385	2967704	80.22%	4.412%
14	14.799	14.761	14.854	BB	228771	2908327	78.62%	4.323%
15	15.816	15.771	15.874	BB	208589	2835469	76.65%	4.215%
16	16.762	16.719	16.816	BB	207078	2760532	74.62%	4.104%
17	17.648	17.597	17.696	BB	212058	2800232	75.69%	4.163%
18	18.476	18.418	18.532	BB	192039	2782803	75.22%	4.137%
19	19.257	19.203	19.311	BB	196826	2776943	75.06%	4.128%
20	19.993	19.941	20.030	BB	188398	2721859	73.58%	4.046%
21	20.715	20.652	20.784	BB	157464	2746959	74.25%	4.084%
22	21.598	21.527	21.692	BB	113491	2717095	73.45%	4.039%
Sum of corrected areas:						67269122		

Aliphatic EPH 072323.M Mon Jul 24 02:20:49 2023