

Initial Calibration Report for SequenceID : FC111424AL

AreaCount

Parameter Range	FC067748.D	FC067749.D	FC067750.D	FC067751.D	FC067752.D	
Aliphatic C9-C12	46442029.000	24666595.000	9992394.000	5182647.000	2556169.000	
Aliphatic C12-C16	31783530.000	16951541.000	6841286.000	3561240.000	1743949.000	
Aliphatic C16-C21	45893154.000	24733385.000	10219387.000	5444223.000	2676662.000	
Aliphatic C21-C28	55776518.000	29828483.000	12486021.000	6692087.000	3488783.000	
Aliphatic C28-C40	63293952.000	33876340.000	14624061.000	7555903.000	4180402.000	
Aliphatic EPH	243189183.000	130056344.000	54163149.000	28436100.000	14645965.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aliphatic C9-C12	165791.359333	4.188				
Aliphatic C12-C16	170384.422	4.229				
Aliphatic C16-C21	169621.5526664	6.711				
Aliphatic C21-C28	157280.0595	8.883				
Aliphatic C28-C40	121111.3356664	10.666				
Aliphatic EPH	150155.3239994	7.279				

Concentration

Parameter Range	FC067748.D	FC067749.D	FC067750.D	FC067751.D	FC067752.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	FC067748.D	FC067749.D	FC067750.D	FC067751.D	FC067752.D	
Aliphatic C9-C12	154806.763333	164443.966666	166539.900000	172754.900000	170411.266666	
Aliphatic C12-C16	158917.650000	169515.410000	171032.150000	178062.000000	174394.900000	
Aliphatic C16-C21	152977.180000	164889.233333	170323.116666	181474.100000	178444.133333	

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Aliphatic C21-C28	139441.295000	149142.415000	156075.262500	167302.175000	174439.150000	
Aliphatic C28-C40	105489.920000	112921.133333	121867.175000	125931.716666	139346.733333	
Aliphatic EPH	135105.101666	144507.048888	150453.191666	157978.333333	162732.944444	

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\F111424AL\
 Data File : FC067748.D
 Signal(s) : FID1A.ch
 Acq On : 14 Nov 2024 10:39
 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: Nov 14 12:31:16 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 111424.M
 Quant Title : GC Extractables
 QLast Update : Thu Nov 14 12:28:54 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.500	17738644	95.322 ug/ml
Spiked Amount 50.000		Recovery =	190.64%
12) S 1-chlorooctadecane (S...	12.935	13130093	94.678 ug/ml
Spiked Amount 50.000		Recovery =	189.36%
Target Compounds			
1) T n-Nonane (C9)	3.276	15187907	96.260 ug/ml
2) T n-Decane (C10)	4.339	15507468	96.388 ug/ml
3) T A~Naphthalene (C11.7)	5.917	17205086	96.635 ug/ml
4) T n-Dodecane (C12)	6.354	15746654	96.395 ug/ml
5) T A~2-methylnaphthalene...	6.973	16843025	97.053 ug/ml
6) T n-Tetradecane (C14)	8.147	15675095	96.512 ug/ml
7) T n-Hexadecane (C16)	9.746	16108435	96.150 ug/ml
8) T n-Octadecane (C18)	11.187	16039699	95.046 ug/ml
10) T n-Eicosane (C20)	12.493	15119356	94.475 ug/ml
11) T n-Heneicosane (C21)	13.103	14734099	94.353 ug/ml
13) T n-Docosane (C22)	13.688	14509212	94.210 ug/ml
14) T n-Tetracosane (C24)	14.790	14199393	94.386 ug/ml
15) T n-Hexacosane (C26)	15.809	13771253	94.721 ug/ml
16) T n-Octacosane (C28)	16.757	13296660	94.172 ug/ml
17) T n-Tricontane (C30)	17.643	13215277	93.043 ug/ml
18) T n-Dotriacontane (C32)	18.473	12505064	92.088 ug/ml
19) T n-Tetratriacontane (C34)	19.253	10875356	92.712 ug/ml
20) T n-Hexatriacontane (C36)	19.992	9396830	94.927 ug/ml
21) T n-Octatriacontane (C38)	20.714	8796691	94.705 ug/ml
22) T n-Tetracontane (C40)	21.598	8504734	89.462 ug/ml

(f)=RT Delta > 1/2 Window

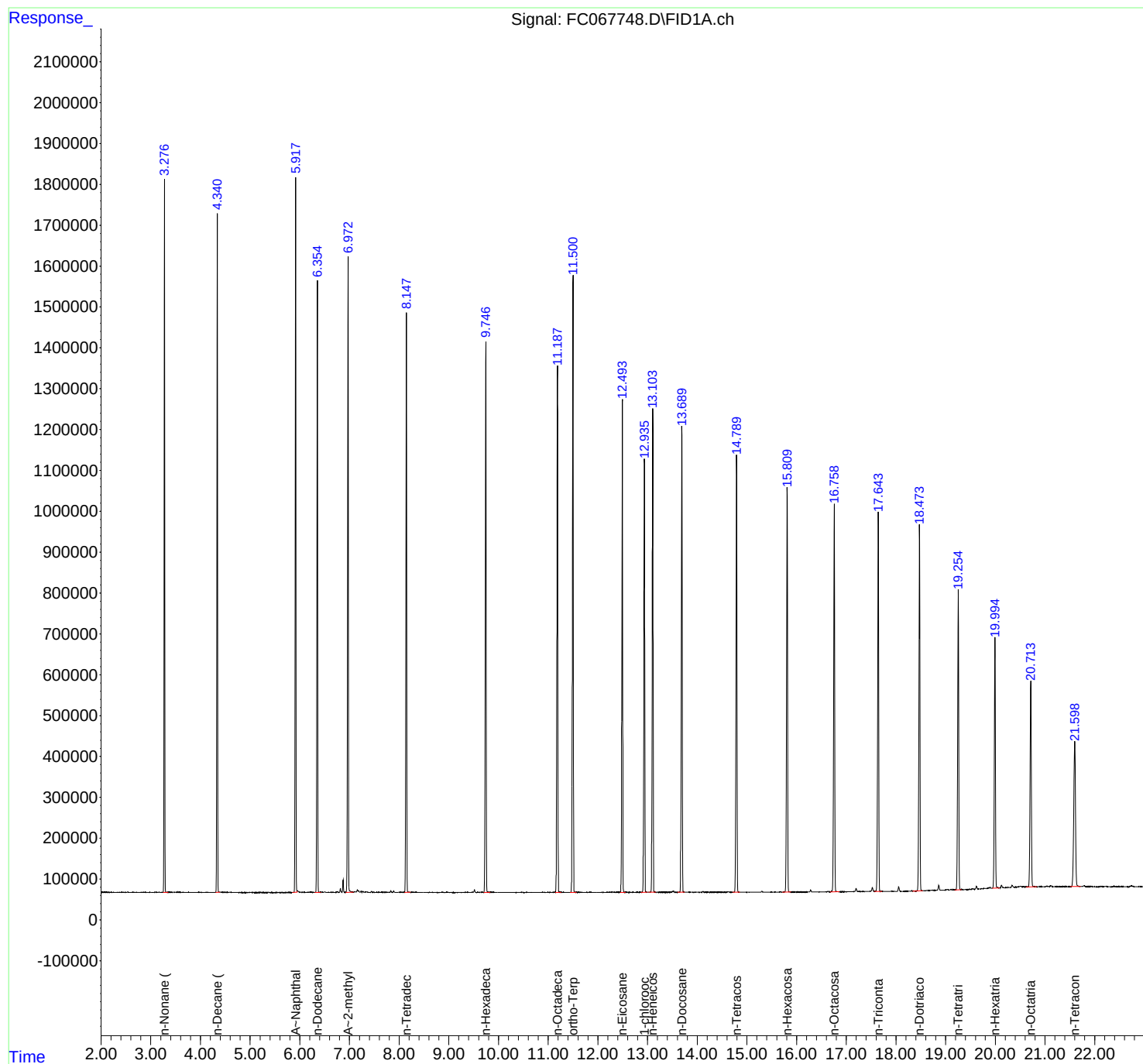
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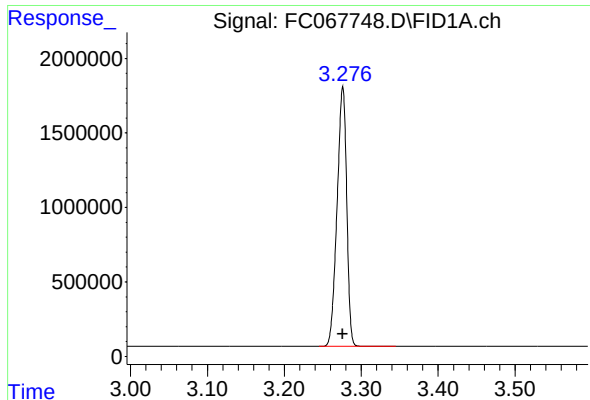
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Data File : FC067748.D
Signal(s) : FID1A.ch
Acq On : 14 Nov 2024 10:39
Operator : YP/AJ
Sample : 100 PPM ALIPHATIC HC STD1
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1

Integration File: autoint1.e
Quant Time: Nov 14 12:31:16 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 111424.M
Quant Title : GC Extractables
QLast Update : Thu Nov 14 12:28:54 2024
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Integrator: ChemStation

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

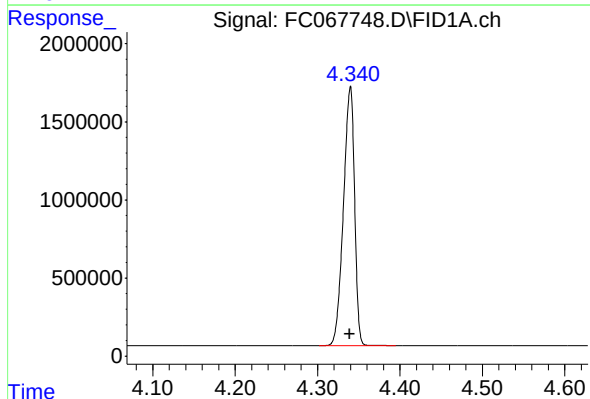




#1 n-Nonane (C9)

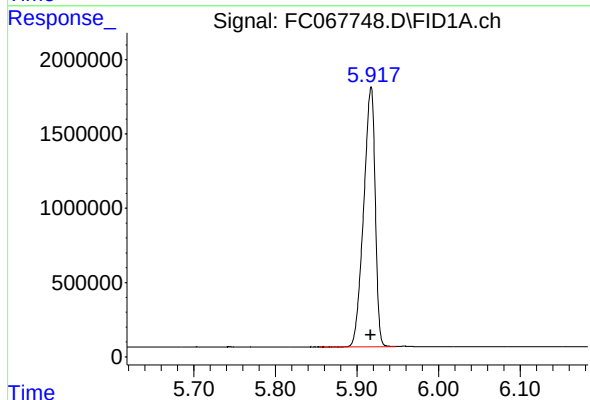
R.T.: 3.276 min
Delta R.T.: 0.000 min
Response: 15187907
Conc: 96.26 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



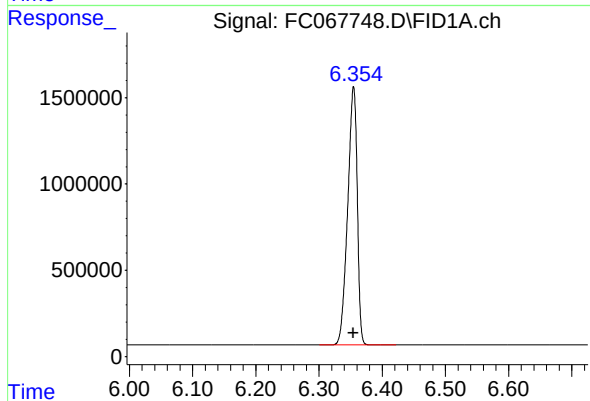
#2 n-Decane (C10)

R.T.: 4.339 min
Delta R.T.: 0.000 min
Response: 15507468
Conc: 96.39 ug/ml



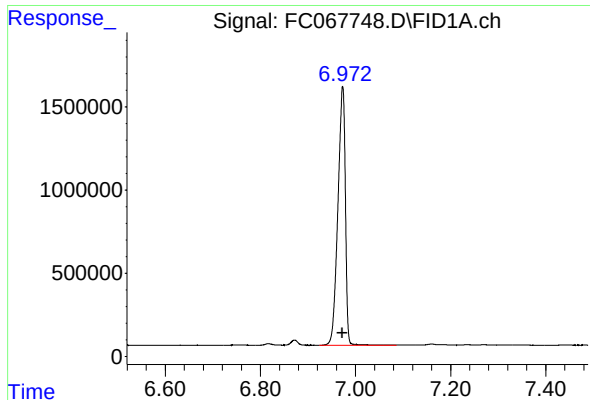
#3 A~Naphthalene (C11.7)

R.T.: 5.917 min
Delta R.T.: 0.000 min
Response: 17205086
Conc: 96.63 ug/ml



#4 n-Dodecane (C12)

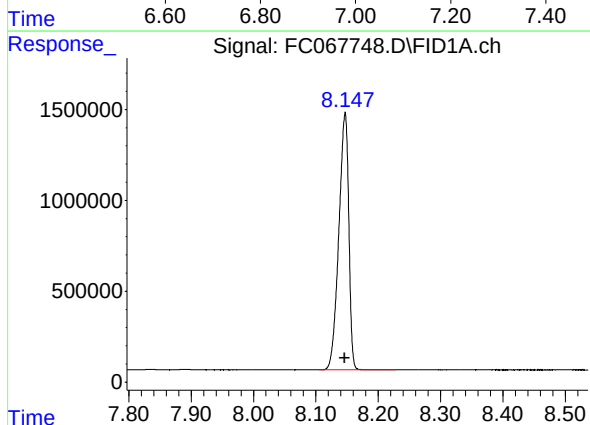
R.T.: 6.354 min
Delta R.T.: 0.000 min
Response: 15746654
Conc: 96.40 ug/ml



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

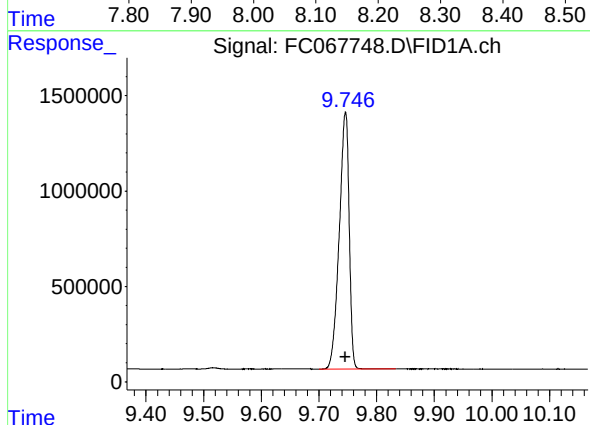
R.T.: 6.973 min
Delta R.T.: 0.000 min
Response: 16843025
Conc: 97.05 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



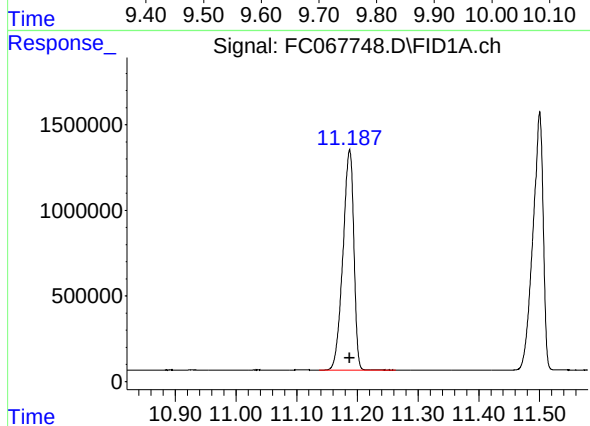
#6 n-Tetradecane (C14)

R.T.: 8.147 min
Delta R.T.: 0.000 min
Response: 15675095
Conc: 96.51 ug/ml



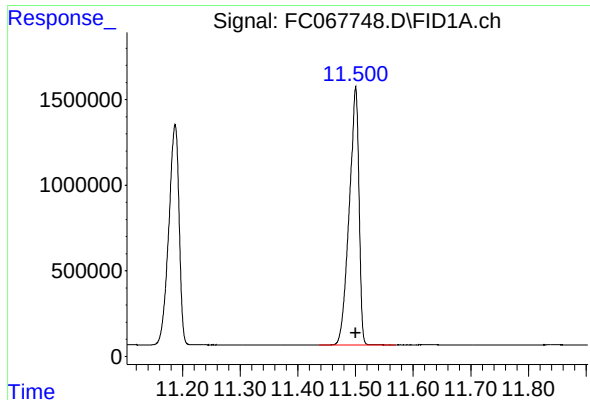
#7 n-Hexadecane (C16)

R.T.: 9.746 min
Delta R.T.: 0.000 min
Response: 16108435
Conc: 96.15 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.187 min
Delta R.T.: 0.000 min
Response: 16039699
Conc: 95.05 ug/ml



#9 ortho-Terphenyl (SURR)

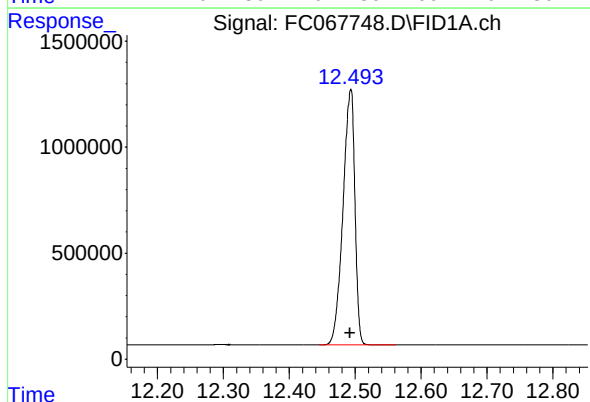
R.T.: 11.500 min
Delta R.T.: 0.000 min
Response: 17738644
Conc: 95.32 ug/ml

Instrument :

FID_C

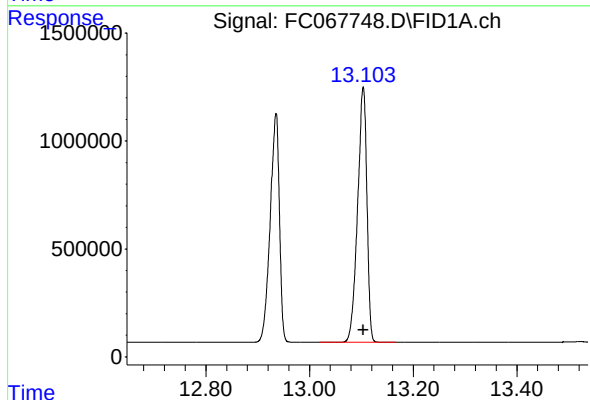
ClientSampleId :

100 PPM ALIPHATIC HC STD1



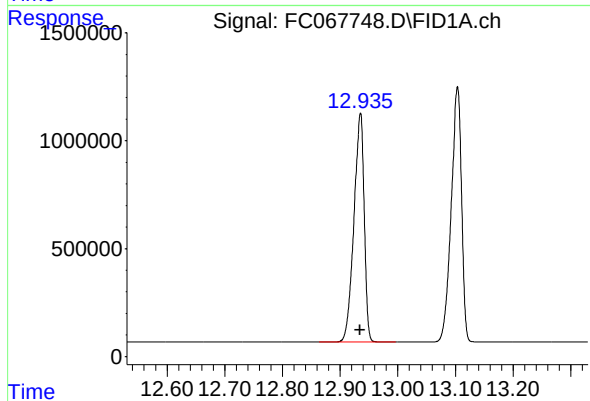
#10 n-Eicosane (C20)

R.T.: 12.493 min
Delta R.T.: 0.000 min
Response: 15119356
Conc: 94.48 ug/ml



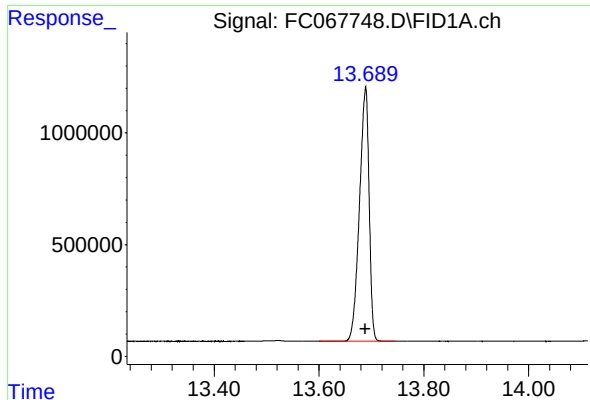
#11 n-Heneicosane (C21)

R.T.: 13.103 min
Delta R.T.: 0.000 min
Response: 14734099
Conc: 94.35 ug/ml



#12 1-chlorooctadecane (SURR)

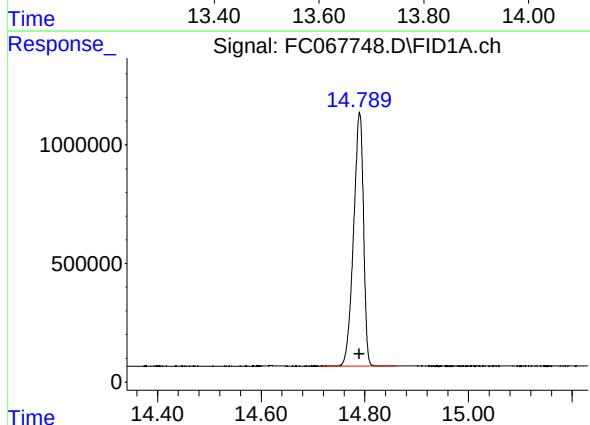
R.T.: 12.935 min
Delta R.T.: 0.000 min
Response: 13130093
Conc: 94.68 ug/ml



#13 n-Docosane (C22)

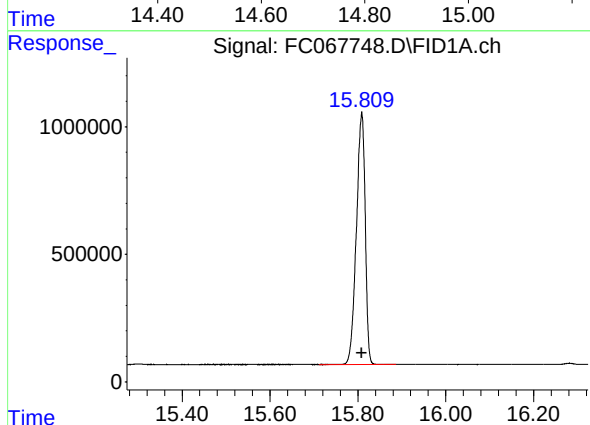
R.T.: 13.688 min
Delta R.T.: 0.000 min
Response: 14509212
Conc: 94.21 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



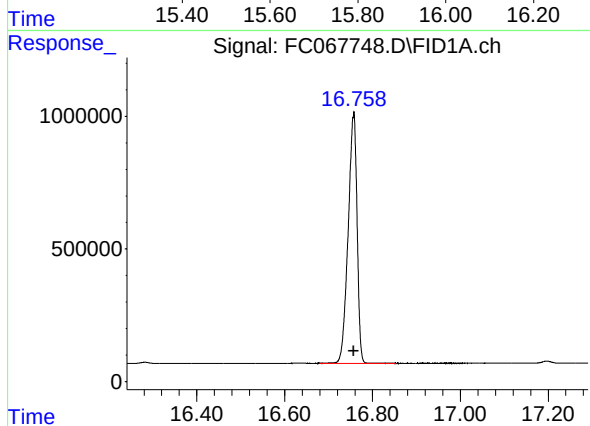
#14 n-Tetracosane (C24)

R.T.: 14.790 min
Delta R.T.: 0.000 min
Response: 14199393
Conc: 94.39 ug/ml



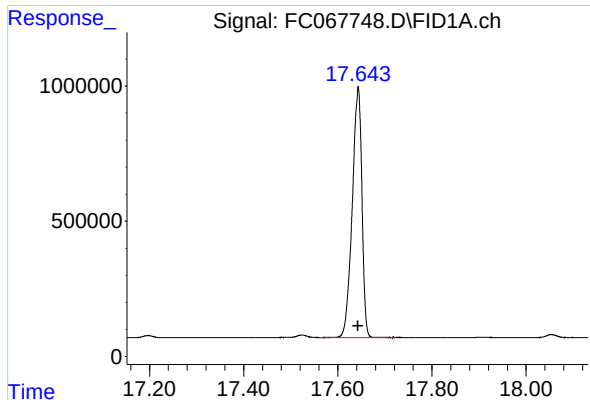
#15 n-Hexacosane (C26)

R.T.: 15.809 min
Delta R.T.: 0.000 min
Response: 13771253
Conc: 94.72 ug/ml



#16 n-Octacosane (C28)

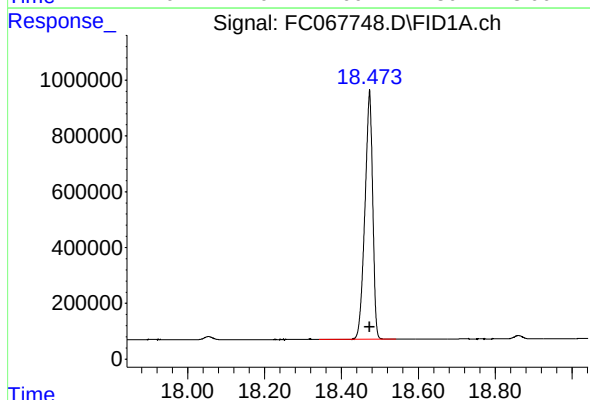
R.T.: 16.757 min
Delta R.T.: 0.000 min
Response: 13296660
Conc: 94.17 ug/ml



#17 n-Tricontane (C30)

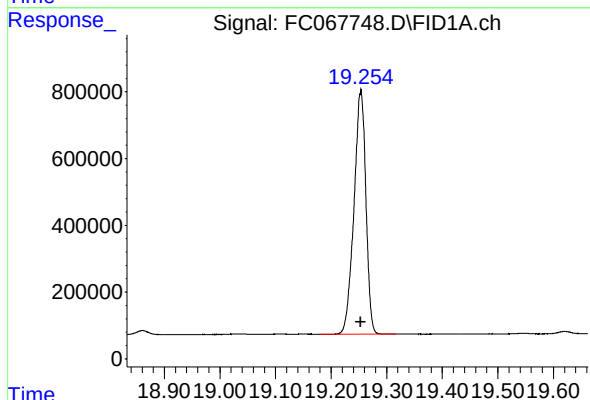
R.T.: 17.643 min
Delta R.T.: 0.000 min
Response: 13215277
Conc: 93.04 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



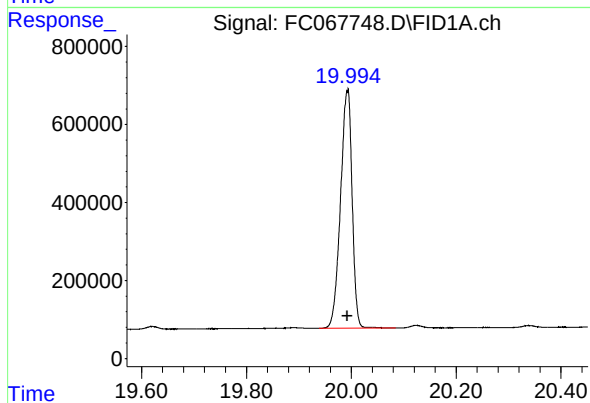
#18 n-Dotriacontane (C32)

R.T.: 18.473 min
Delta R.T.: 0.000 min
Response: 12505064
Conc: 92.09 ug/ml



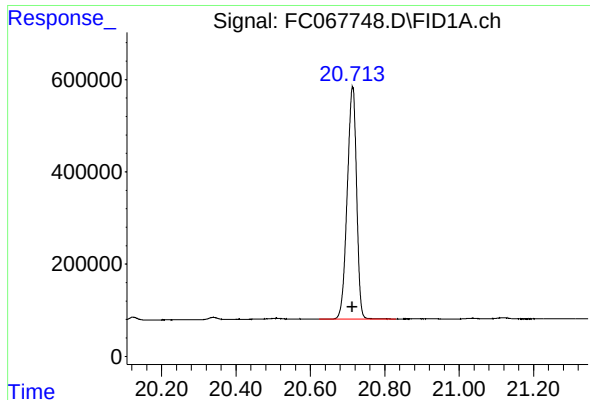
#19 n-Tetatriacontane (C34)

R.T.: 19.253 min
Delta R.T.: 0.000 min
Response: 10875356
Conc: 92.71 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.992 min
Delta R.T.: 0.000 min
Response: 9396830
Conc: 94.93 ug/ml



#21 n-Octatriacontane (C38)

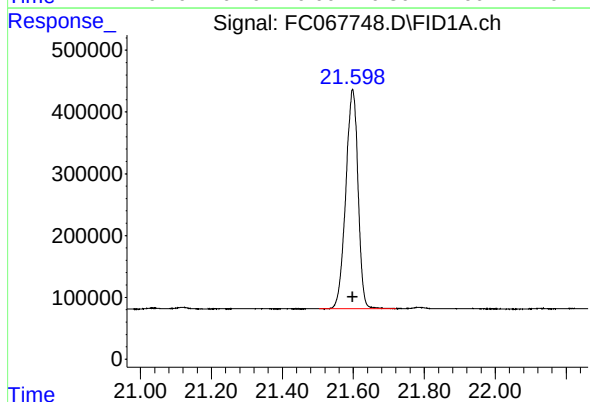
R.T.: 20.714 min
Delta R.T.: 0.000 min
Response: 8796691
Conc: 94.71 ug/ml

Instrument :

FID_C

ClientSampleId :

100 PPM ALIPHATIC HC STD1



#22 n-Tetracontane (C40)

R.T.: 21.598 min
Delta R.T.: 0.000 min
Response: 8504734
Conc: 89.46 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC111424AL\
Data File : FC067748.D
Signal(s) : FID1A.ch
Acq On : 14 Nov 2024 10:39
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 111424.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	3.276	3.245	3.345	BB	1734686	15187907	85.62%	4.929%
2	4.339	4.302	4.395	BB	1671634	15507468	87.42%	5.033%
3	5.917	5.853	5.948	BV	1741603	17205086	96.99%	5.584%
4	6.354	6.300	6.422	BB	1504993	15746654	88.77%	5.111%
5	6.973	6.923	7.085	BV	1555512	16843025	94.95%	5.467%
6	8.147	8.105	8.228	BB	1414819	15675095	88.37%	5.088%
7	9.746	9.700	9.833	BB	1343957	16108435	90.81%	5.228%
8	11.187	11.137	11.263	BB	1287050	16039699	90.42%	5.206%
9	11.500	11.437	11.570	BB	1506943	17738644	100.00%	5.757%
10	12.493	12.445	12.562	BB	1210292	15119356	85.23%	4.907%
11	12.935	12.863	12.997	BB	1061835	13130093	74.02%	4.262%
12	13.103	13.018	13.167	BB	1184295	14734099	83.06%	4.782%
13	13.688	13.600	13.747	BB	1129888	14509212	81.79%	4.709%
14	14.790	14.712	14.860	BB	1068773	14199393	80.05%	4.609%
15	15.809	15.712	15.887	BB	986127	13771253	77.63%	4.470%
16	16.757	16.678	16.853	BB	935979	13296660	74.96%	4.316%
17	17.643	17.560	17.723	VB	932069	13215277	74.50%	4.289%
18	18.473	18.342	18.542	BB	896427	12505064	70.50%	4.059%
19	19.253	19.178	19.317	BB	726903	10875356	61.31%	3.530%
20	19.992	19.938	20.085	BV	609569	9396830	52.97%	3.050%
21	20.714	20.623	20.830	BB	503719	8796691	49.59%	2.855%
22	21.598	21.503	21.720	BB	355009	8504734	47.94%	2.760%
Sum of corrected areas:						308106031		

Aliphatic EPH 111424.M Fri Nov 15 03:28:31 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\F111424AL\
 Data File : FC067749.D
 Signal(s) : FID1A.ch
 Acq On : 14 Nov 2024 11:15
 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: Nov 14 12:33:01 2024
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Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.494	9494610	50.676 ug/ml
Spiked Amount 50.000		Recovery =	101.35%
12) S 1-chlorooctadecane (S...	12.930	7061712	50.610 ug/ml
Spiked Amount 50.000		Recovery =	101.22%
Target Compounds			
1) T n-Nonane (C9)	3.274	8066160	50.743 ug/ml
2) T n-Decane (C10)	4.337	8240656	50.807 ug/ml
3) T A~Naphthalene (C11.7)	5.913	9139963	50.883 ug/ml
4) T n-Dodecane (C12)	6.351	8359779	50.778 ug/ml
5) T A~2-methylnaphthalene...	6.968	8894913	50.829 ug/ml
6) T n-Tetradecane (C14)	8.143	8337977	50.884 ug/ml
7) T n-Hexadecane (C16)	9.741	8613564	50.934 ug/ml
8) T n-Octadecane (C18)	11.182	8636330	50.778 ug/ml
10) T n-Eicosane (C20)	12.488	8156976	50.643 ug/ml
11) T n-Heneicosane (C21)	13.099	7940079	50.561 ug/ml
13) T n-Docosane (C22)	13.684	7804830	50.450 ug/ml
14) T n-Tetracosane (C24)	14.786	7604012	50.362 ug/ml
15) T n-Hexacosane (C26)	15.804	7328788	50.272 ug/ml
16) T n-Octacosane (C28)	16.752	7090853	50.146 ug/ml
17) T n-Tricontane (C30)	17.638	7057449	49.792 ug/ml
18) T n-Dotriacontane (C32)	18.468	6727381	49.693 ug/ml
19) T n-Tetratriacontane (C34)	19.251	5796180	49.607 ug/ml
20) T n-Hexatriacontane (C36)	19.987	5004110	50.366 ug/ml
21) T n-Octatriacontane (C38)	20.710	4618407	49.814 ug/ml
22) T n-Tetracontane (C40)	21.592	4672813	49.433 ug/ml

(f)=RT Delta > 1/2 Window

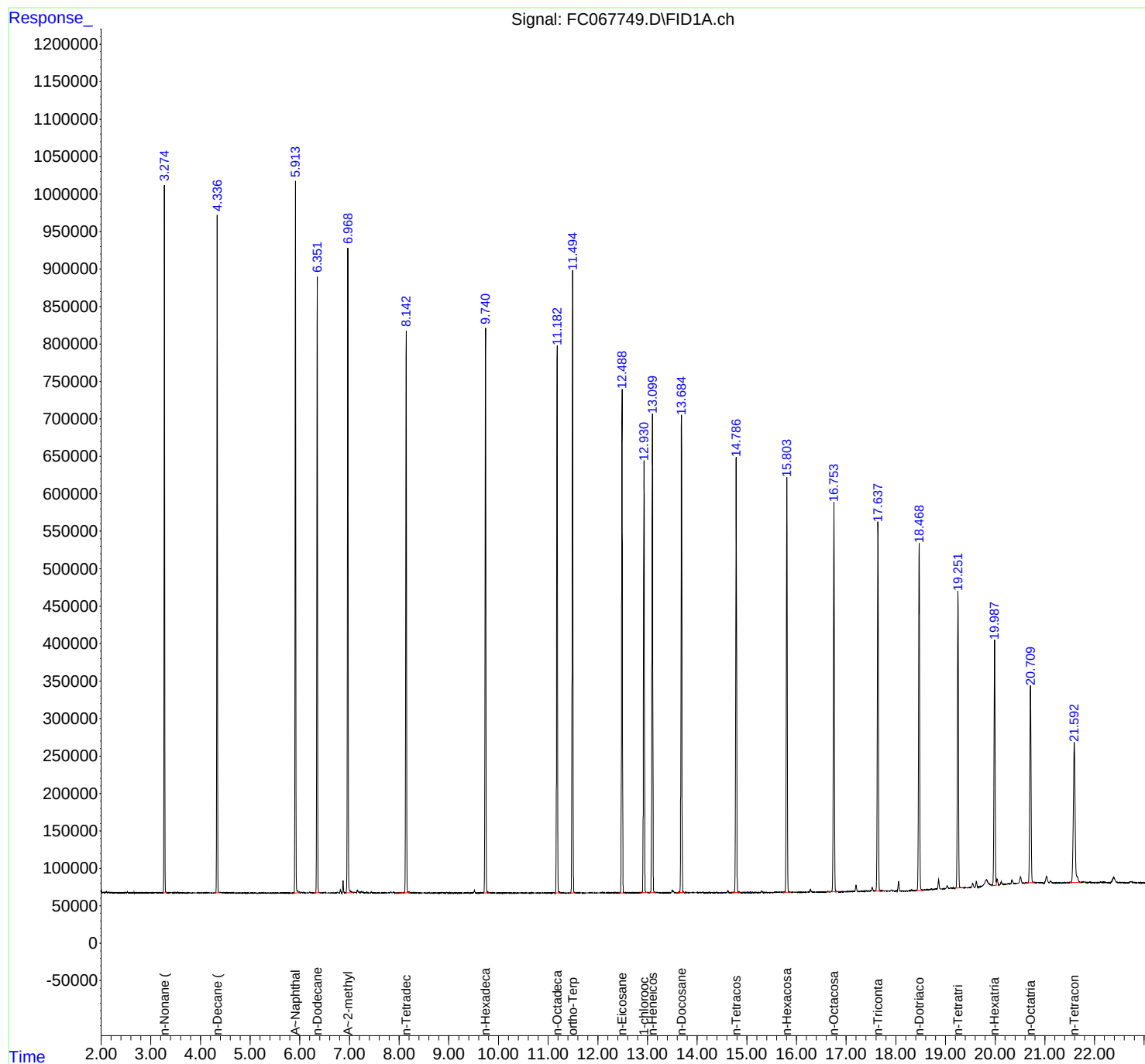
(m)=manual int.

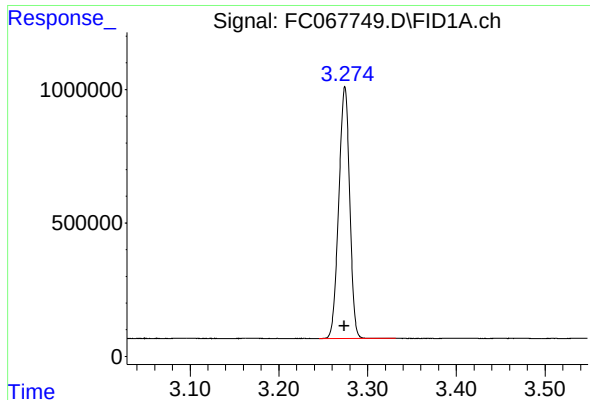
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC111424AL\
Data File : FC067749.D
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Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2

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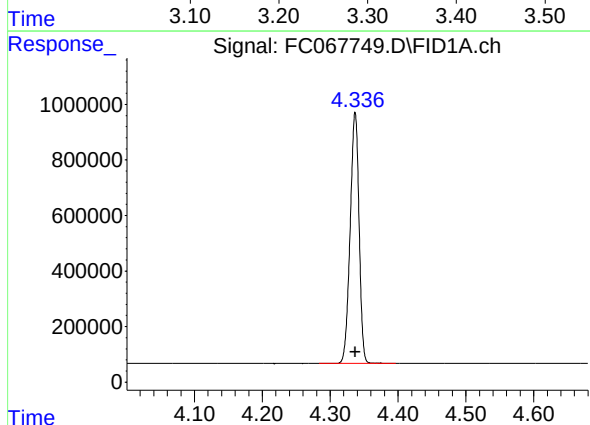




#1 n-Nonane (C9)

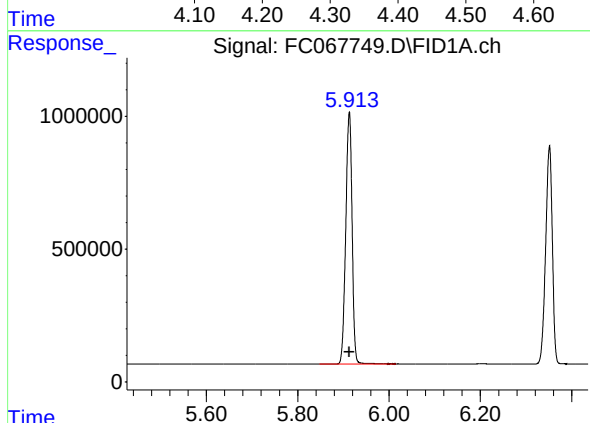
R.T.: 3.274 min
Delta R.T.: 0.000 min
Response: 8066160
Conc: 50.74 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



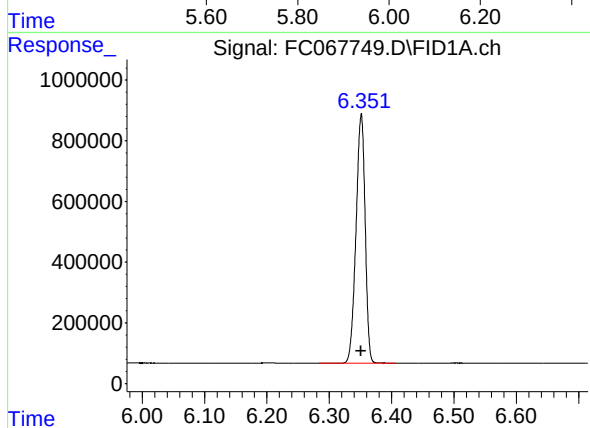
#2 n-Decane (C10)

R.T.: 4.337 min
Delta R.T.: 0.000 min
Response: 8240656
Conc: 50.81 ug/ml



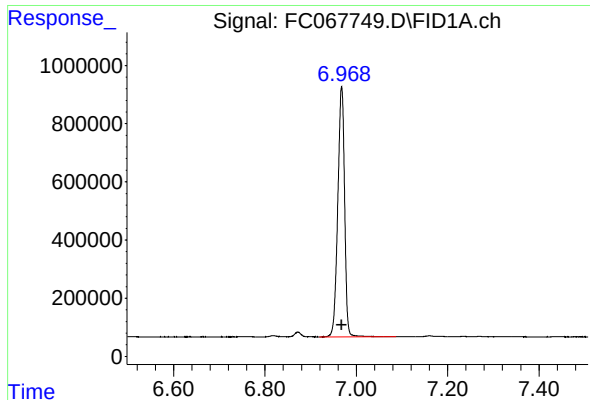
#3 A~Naphthalene (C11.7)

R.T.: 5.913 min
Delta R.T.: 0.000 min
Response: 9139963
Conc: 50.88 ug/ml



#4 n-Dodecane (C12)

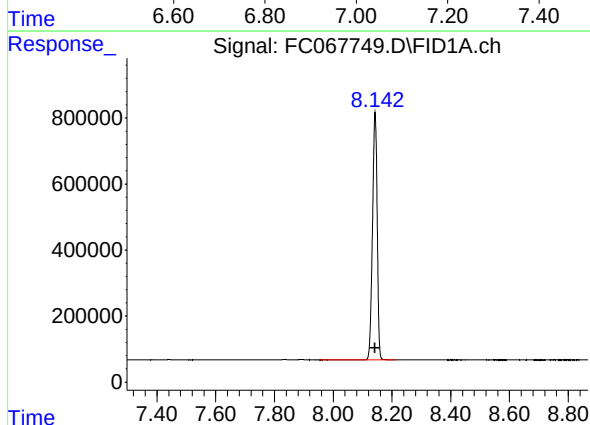
R.T.: 6.351 min
Delta R.T.: 0.000 min
Response: 8359779
Conc: 50.78 ug/ml



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

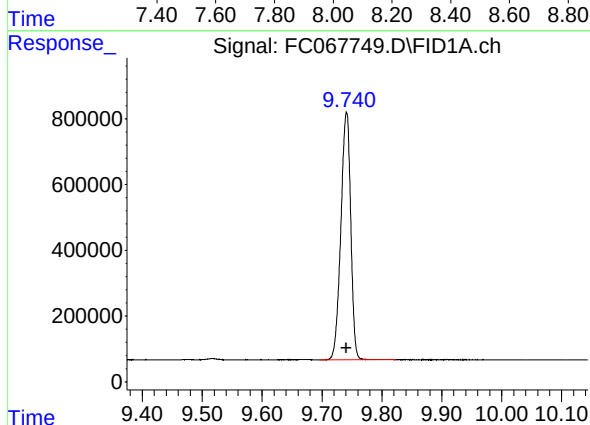
R.T.: 6.968 min
Delta R.T.: 0.000 min
Response: 8894913
Conc: 50.83 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



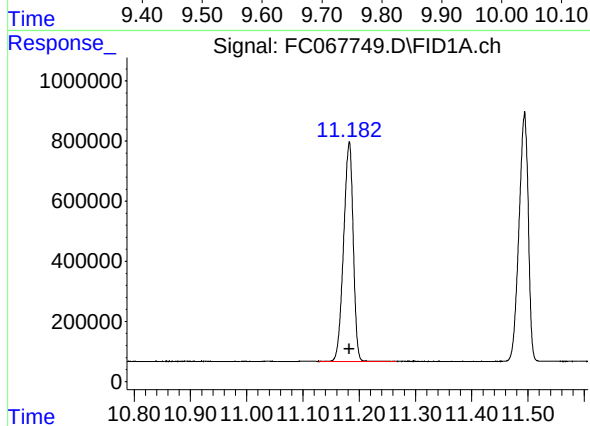
#6 n-Tetradecane (C14)

R.T.: 8.143 min
Delta R.T.: 0.000 min
Response: 8337977
Conc: 50.88 ug/ml



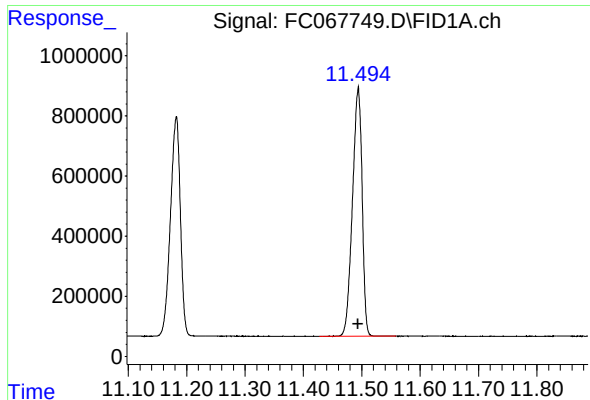
#7 n-Hexadecane (C16)

R.T.: 9.741 min
Delta R.T.: 0.000 min
Response: 8613564
Conc: 50.93 ug/ml



#8 n-Octadecane (C18)

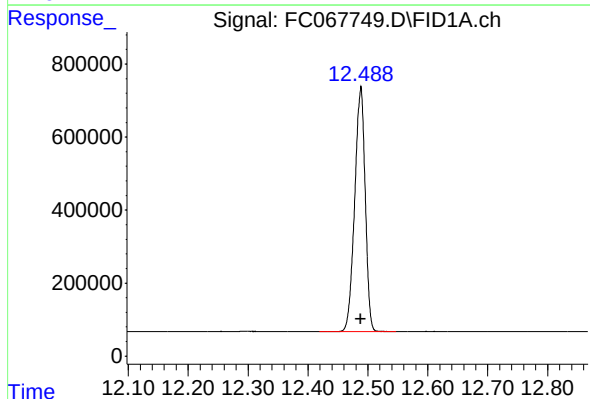
R.T.: 11.182 min
Delta R.T.: 0.000 min
Response: 8636330
Conc: 50.78 ug/ml



#9 ortho-Terphenyl (SURR)

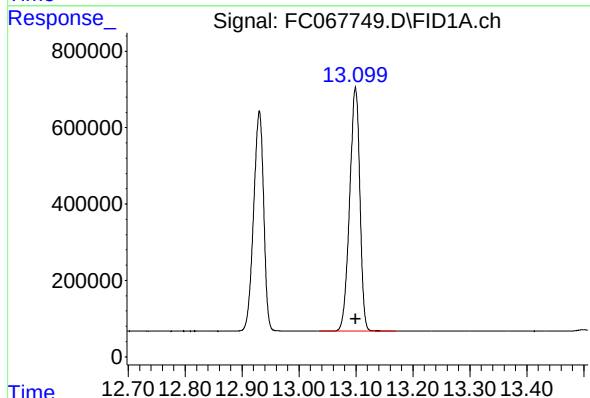
R.T.: 11.494 min
Delta R.T.: 0.000 min
Response: 9494610
Conc: 50.68 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



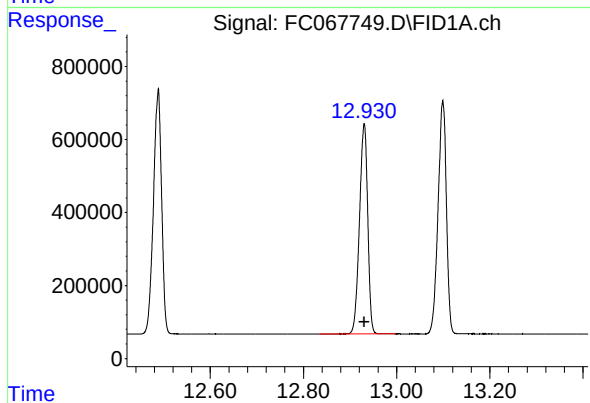
#10 n-Eicosane (C20)

R.T.: 12.488 min
Delta R.T.: 0.000 min
Response: 8156976
Conc: 50.64 ug/ml



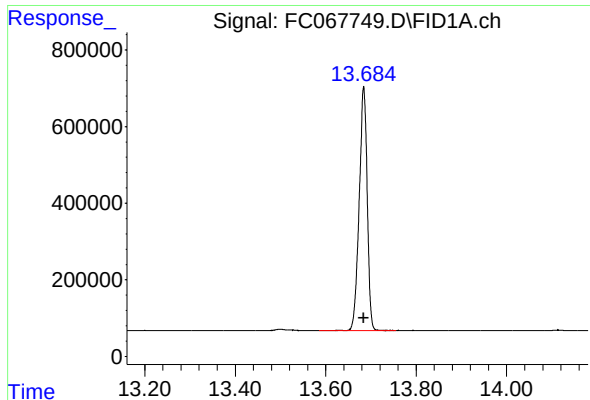
#11 n-Heneicosane (C21)

R.T.: 13.099 min
Delta R.T.: 0.000 min
Response: 7940079
Conc: 50.56 ug/ml



#12 1-chlorooctadecane (SURR)

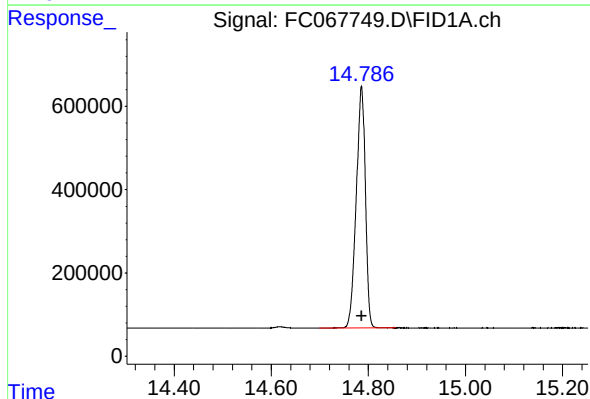
R.T.: 12.930 min
Delta R.T.: 0.000 min
Response: 7061712
Conc: 50.61 ug/ml



#13 n-Docosane (C22)

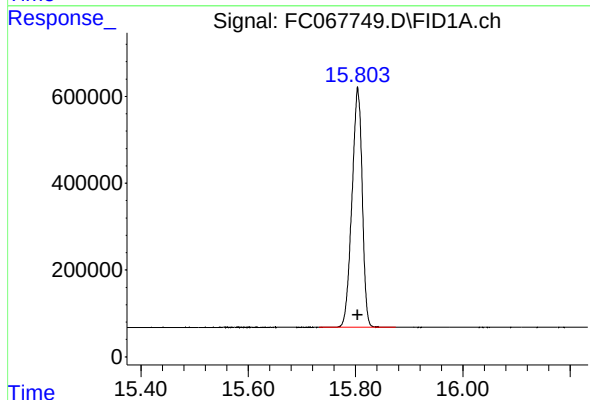
R.T.: 13.684 min
Delta R.T.: 0.000 min
Response: 7804830
Conc: 50.45 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



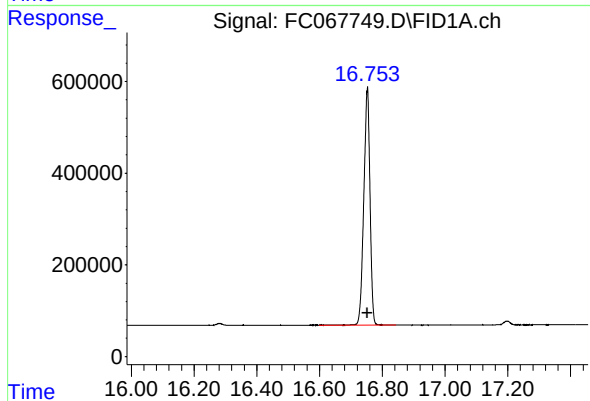
#14 n-Tetracosane (C24)

R.T.: 14.786 min
Delta R.T.: 0.000 min
Response: 7604012
Conc: 50.36 ug/ml



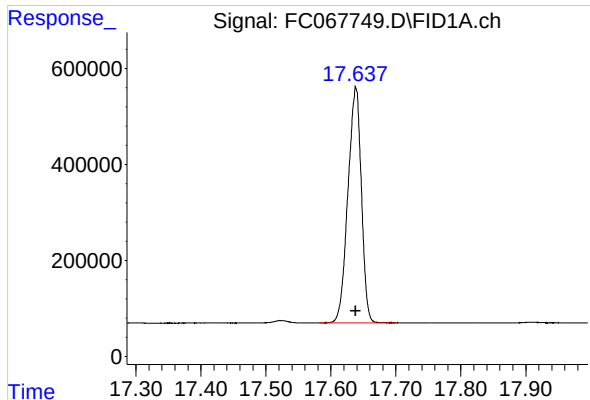
#15 n-Hexacosane (C26)

R.T.: 15.804 min
Delta R.T.: 0.000 min
Response: 7328788
Conc: 50.27 ug/ml



#16 n-Octacosane (C28)

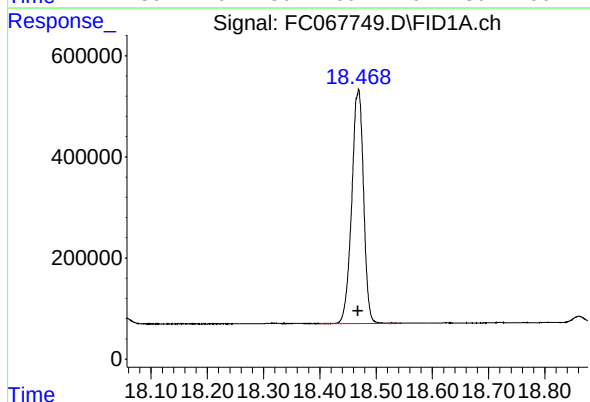
R.T.: 16.752 min
Delta R.T.: 0.000 min
Response: 7090853
Conc: 50.15 ug/ml



#17 n-Tricontane (C30)

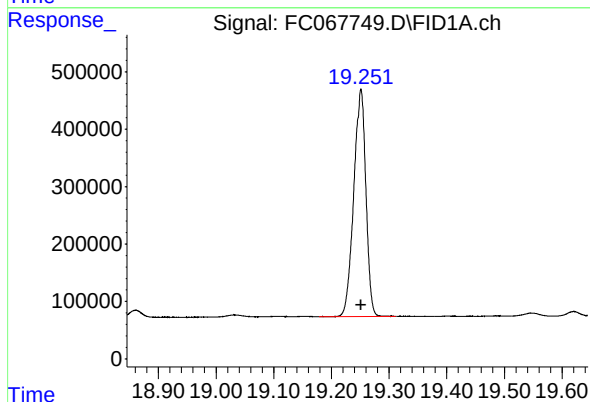
R.T.: 17.638 min
Delta R.T.: 0.000 min
Response: 7057449
Conc: 49.79 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



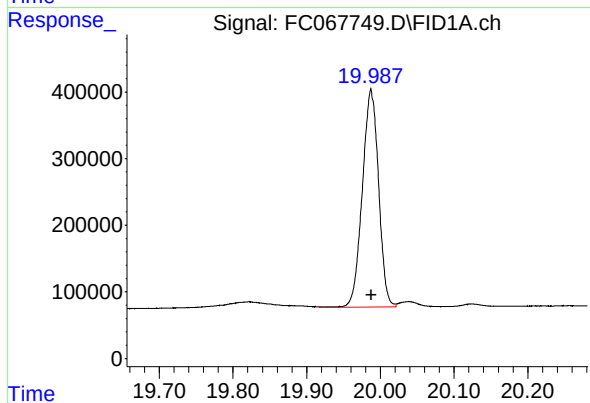
#18 n-Dotriacontane (C32)

R.T.: 18.468 min
Delta R.T.: 0.000 min
Response: 6727381
Conc: 49.69 ug/ml



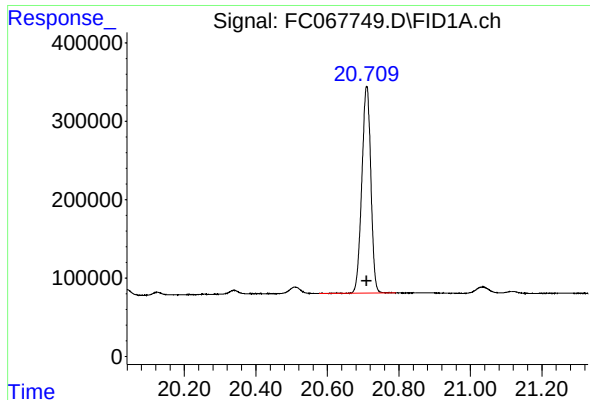
#19 n-Tetratriacontane (C34)

R.T.: 19.251 min
Delta R.T.: 0.000 min
Response: 5796180
Conc: 49.61 ug/ml



#20 n-Hexatriacontane (C36)

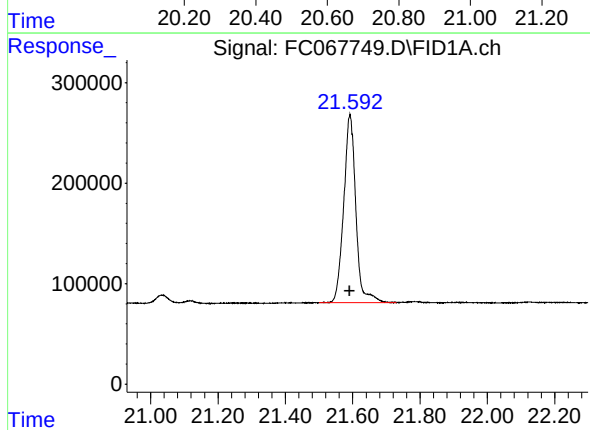
R.T.: 19.987 min
Delta R.T.: 0.000 min
Response: 5004110
Conc: 50.37 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.710 min
Delta R.T.: 0.000 min
Response: 4618407
Conc: 49.81 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



#22 n-Tetracontane (C40)

R.T.: 21.592 min
Delta R.T.: 0.000 min
Response: 4672813
Conc: 49.43 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC111424AL\
Data File : FC067749.D
Signal(s) : FID1A.ch
Acq On : 14 Nov 2024 11:15
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 111424.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	3.274	3.245	3.332	BB	942017	8066160	84.96%	4.899%
2	4.337	4.284	4.397	BB	906477	8240656	86.79%	5.005%
3	5.913	5.847	6.015	BB	954751	9139963	96.26%	5.551%
4	6.351	6.284	6.407	BB	826267	8359779	88.05%	5.077%
5	6.968	6.919	7.087	BV	862389	8894913	93.68%	5.402%
6	8.143	7.952	8.214	BB	747890	8337977	87.82%	5.064%
7	9.741	9.695	9.824	BB	752166	8613564	90.72%	5.232%
8	11.182	11.129	11.265	BB	729025	8636330	90.96%	5.245%
9	11.494	11.427	11.559	BB	822061	9494610	100.00%	5.767%
10	12.488	12.419	12.547	BB	675029	8156976	85.91%	4.954%
11	12.930	12.834	12.999	BB	577252	7061712	74.38%	4.289%
12	13.099	13.035	13.170	BB	635946	7940079	83.63%	4.822%
13	13.684	13.585	13.755	BB	635229	7804830	82.20%	4.740%
14	14.786	14.699	14.857	BB	581408	7604012	80.09%	4.618%
15	15.804	15.732	15.875	BB	553132	7328788	77.19%	4.451%
16	16.752	16.599	16.844	BB	514869	7090853	74.68%	4.307%
17	17.638	17.582	17.700	BB	491920	7057449	74.33%	4.286%
18	18.468	18.399	18.535	BB	461341	6727381	70.85%	4.086%
19	19.251	19.179	19.312	BB	397522	5796180	61.05%	3.520%
20	19.987	19.917	20.021	VV	325943	5004110	52.70%	3.039%
21	20.710	20.577	20.792	BB	263622	4618407	48.64%	2.805%
22	21.592	21.500	21.729	BB	187315	4672813	49.22%	2.838%
Sum of corrected areas:						164647542		

Aliphatic EPH 111424.M Fri Nov 15 03:29:21 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC111424AL\
 Data File : FC067750.D
 Signal(s) : FID1A.ch
 Acq On : 14 Nov 2024 11:51
 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: Nov 14 12:29:11 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 111424.M
 Quant Title : GC Extractables
 QLast Update : Thu Nov 14 12:28:54 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.489	3895981	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
12) S 1-chlorooctadecane (S...	12.927	2921225	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
Target Compounds			
1) T n-Nonane (C9)	3.273	3273618	20.000 ug/ml
2) T n-Decane (C10)	4.334	3333913	20.000 ug/ml
3) T A~Naphthalene (C11.7)	5.910	3680682	20.000 ug/ml
4) T n-Dodecane (C12)	6.349	3384863	20.000 ug/ml
5) T A~2-methylnaphthalene...	6.965	3573153	20.000 ug/ml
6) T n-Tetradecane (C14)	8.140	3361591	20.000 ug/ml
7) T n-Hexadecane (C16)	9.738	3479695	20.000 ug/ml
8) T n-Octadecane (C18)	11.178	3542342	20.000 ug/ml
10) T n-Eicosane (C20)	12.484	3377516	20.000 ug/ml
11) T n-Heneicosane (C21)	13.095	3299529	20.000 ug/ml
13) T n-Docosane (C22)	13.681	3258558	20.000 ug/ml
14) T n-Tetracosane (C24)	14.781	3177702	20.000 ug/ml
15) T n-Hexacosane (C26)	15.801	3061261	20.000 ug/ml
16) T n-Octacosane (C28)	16.748	2988500	20.000 ug/ml
17) T n-Tricontane (C30)	17.635	3038323	20.000 ug/ml
18) T n-Dotriacontane (C32)	18.465	2930784	20.000 ug/ml
19) T n-Tetratriacontane (C34)	19.247	2517007	20.000 ug/ml
20) T n-Hexatriacontane (C36)	19.984	2080234	20.000 ug/ml
21) T n-Octatriacontane (C38)	20.706	1956058	20.000 ug/ml
22) T n-Tetracontane (C40)	21.587	2101655	20.000 ug/ml

(f)=RT Delta > 1/2 Window

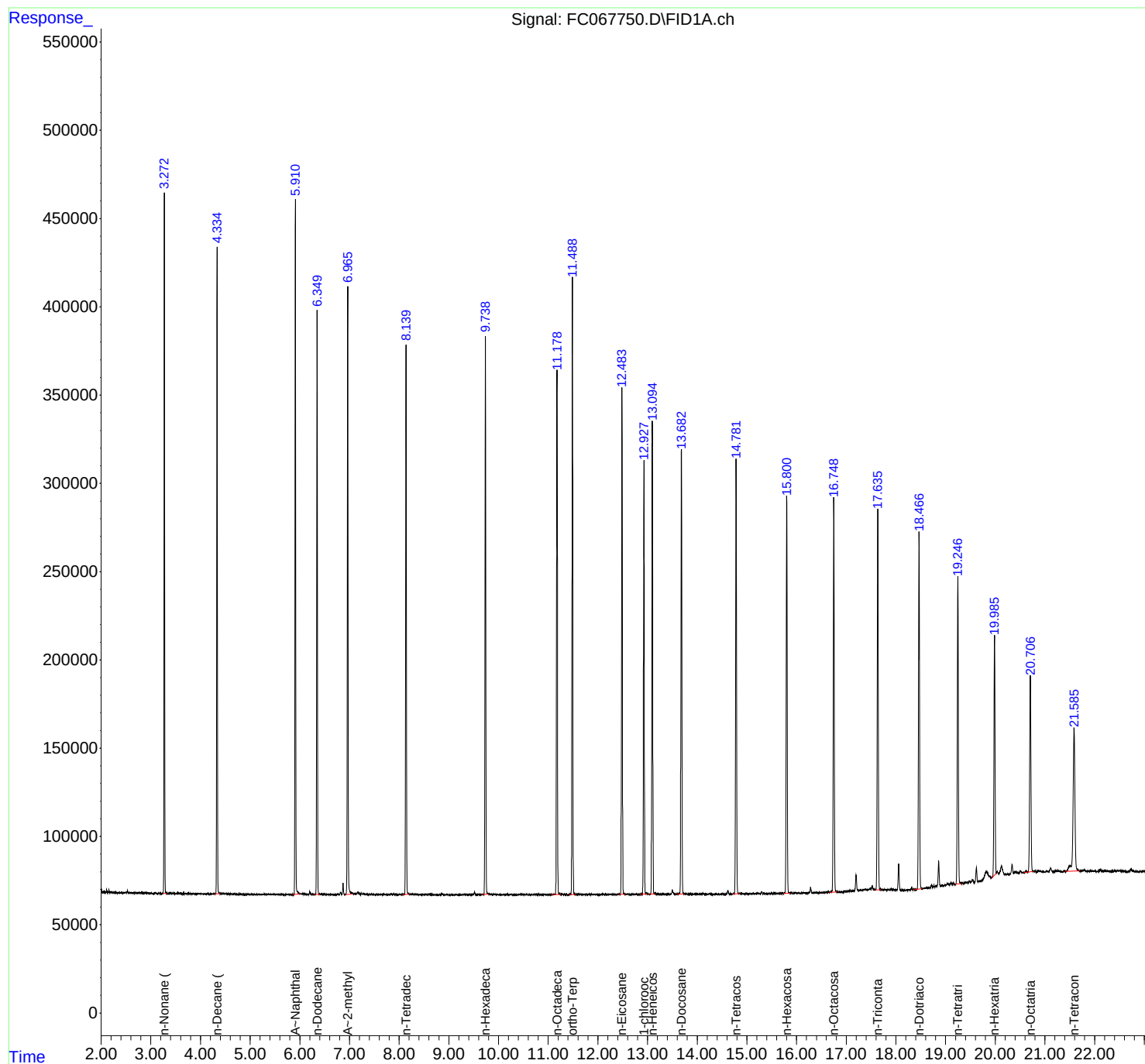
(m)=manual int.

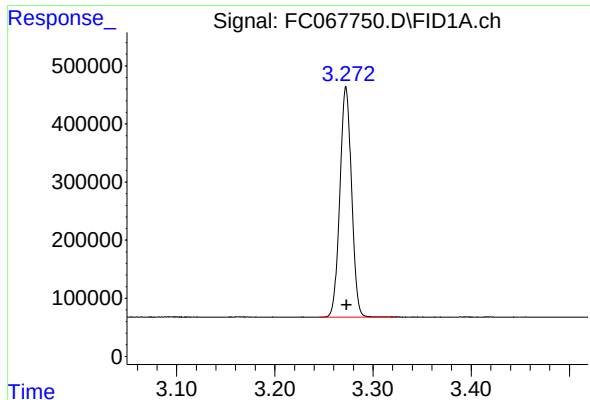
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC11424AL\
Data File : FC067750.D
Signal(s) : FID1A.ch
Acq On : 14 Nov 2024 11:51
Operator : YP/AJ
Sample : 20 PPM ALIPHATIC HC STD3
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3

Integration File: autoint1.e
Quant Time: Nov 14 12:29:11 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 111424.M
Quant Title : GC Extractables
QLast Update : Thu Nov 14 12:28:54 2024
Response via : Initial Calibration
Integrator: ChemStation

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

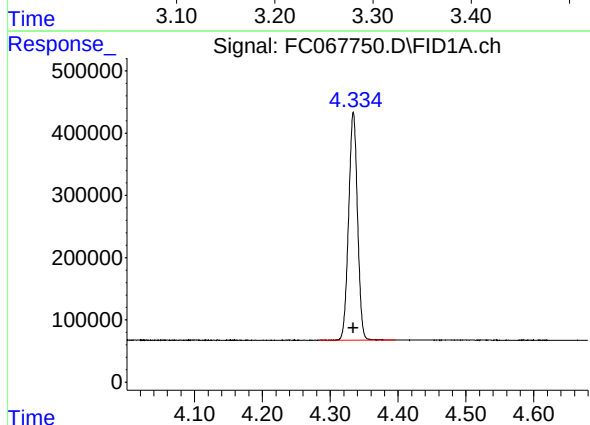




#1 n-Nonane (C9)

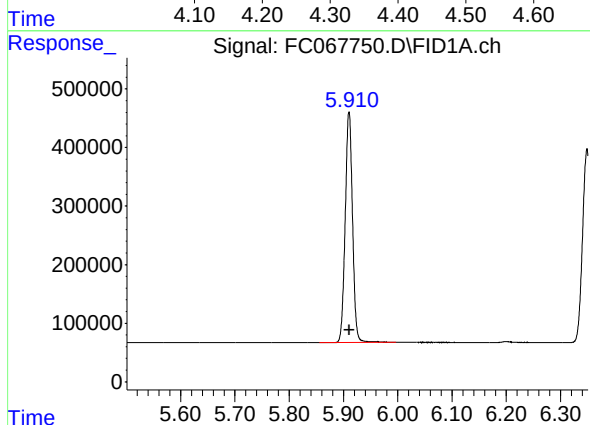
R.T.: 3.273 min
Delta R.T.: 0.000 min
Response: 3273618
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



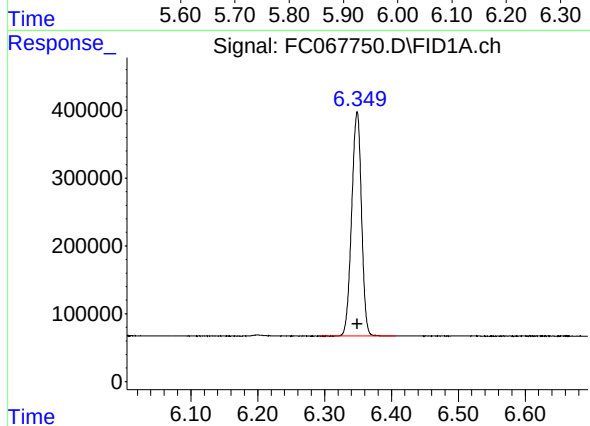
#2 n-Decane (C10)

R.T.: 4.334 min
Delta R.T.: 0.000 min
Response: 3333913
Conc: 20.00 ug/ml



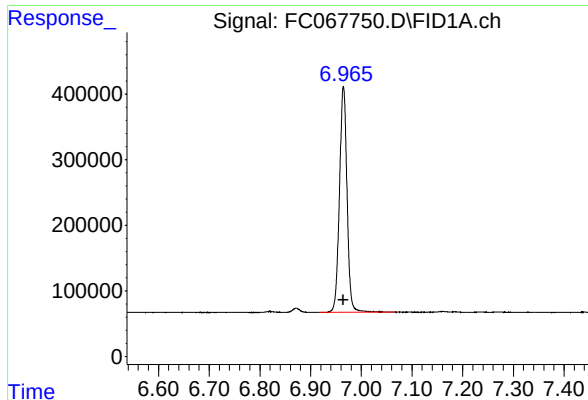
#3 A~Naphthalene (C11.7)

R.T.: 5.910 min
Delta R.T.: 0.000 min
Response: 3680682
Conc: 20.00 ug/ml



#4 n-Dodecane (C12)

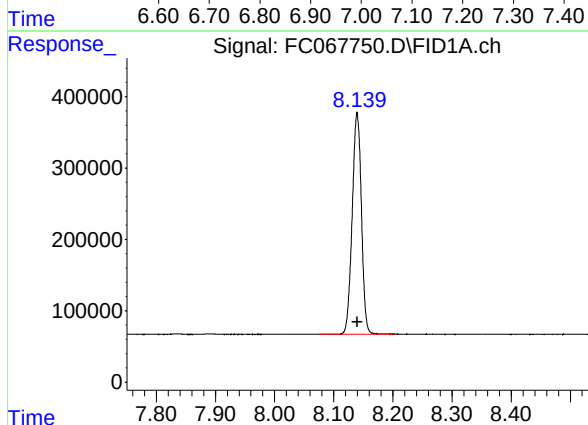
R.T.: 6.349 min
Delta R.T.: 0.000 min
Response: 3384863
Conc: 20.00 ug/ml



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

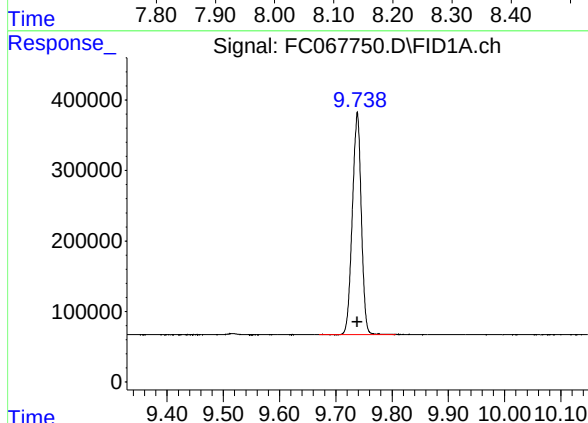
R.T.: 6.965 min
Delta R.T.: 0.000 min
Response: 3573153
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



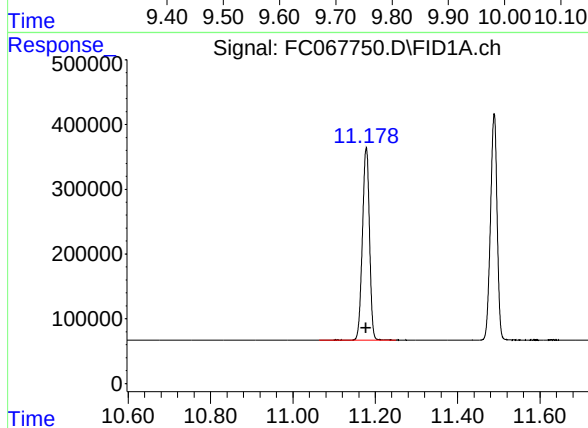
#6 n-Tetradecane (C14)

R.T.: 8.140 min
Delta R.T.: 0.000 min
Response: 3361591
Conc: 20.00 ug/ml



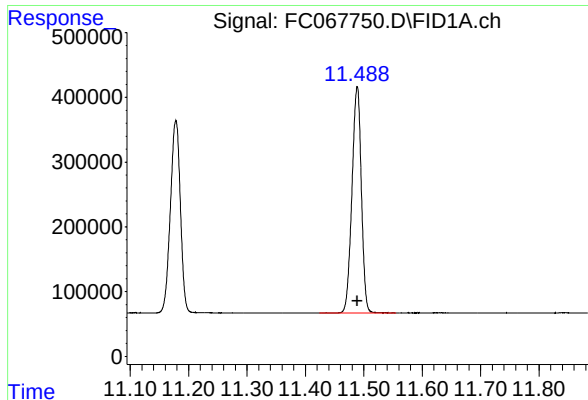
#7 n-Hexadecane (C16)

R.T.: 9.738 min
Delta R.T.: 0.000 min
Response: 3479695
Conc: 20.00 ug/ml



#8 n-Octadecane (C18)

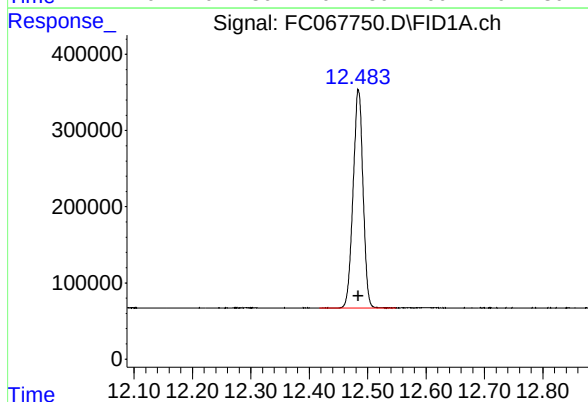
R.T.: 11.178 min
Delta R.T.: 0.000 min
Response: 3542342
Conc: 20.00 ug/ml



#9 ortho-Terphenyl (SURR)

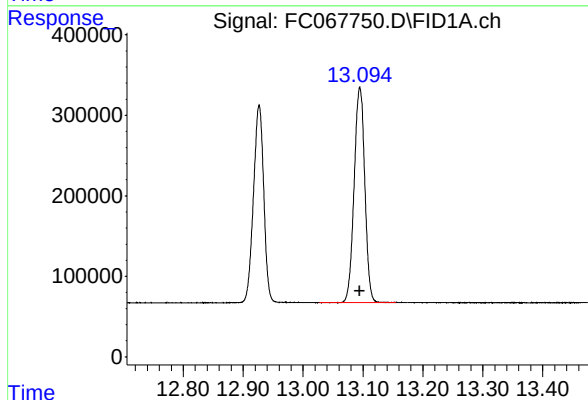
R.T.: 11.489 min
Delta R.T.: 0.000 min
Response: 3895981
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



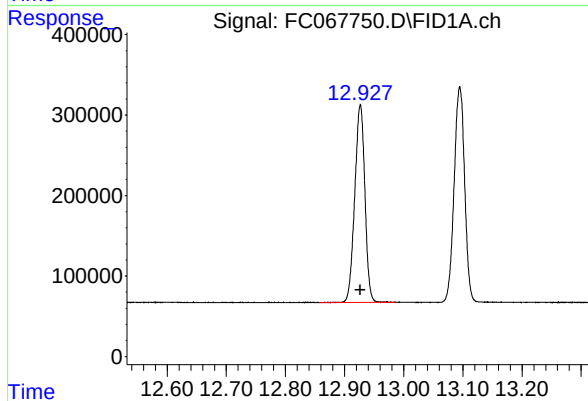
#10 n-Eicosane (C20)

R.T.: 12.484 min
Delta R.T.: 0.000 min
Response: 3377516
Conc: 20.00 ug/ml



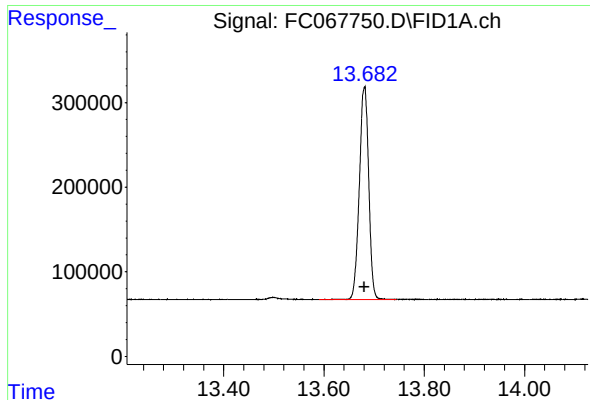
#11 n-Heneicosane (C21)

R.T.: 13.095 min
Delta R.T.: 0.000 min
Response: 3299529
Conc: 20.00 ug/ml



#12 1-chlorooctadecane (SURR)

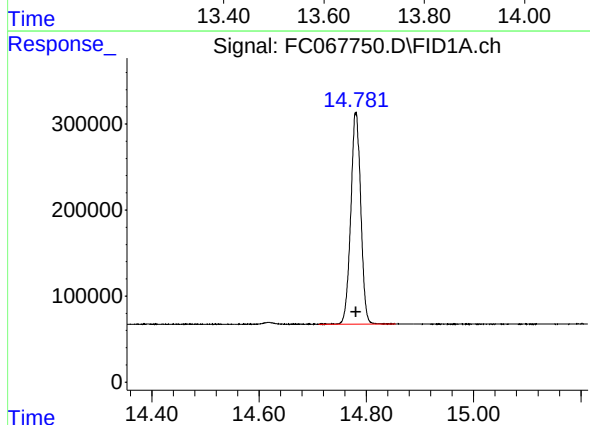
R.T.: 12.927 min
Delta R.T.: 0.000 min
Response: 2921225
Conc: 20.00 ug/ml



#13 n-Docosane (C22)

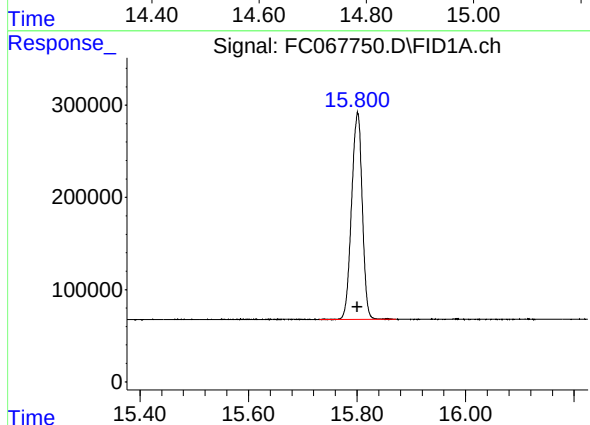
R.T.: 13.681 min
Delta R.T.: 0.000 min
Response: 3258558
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



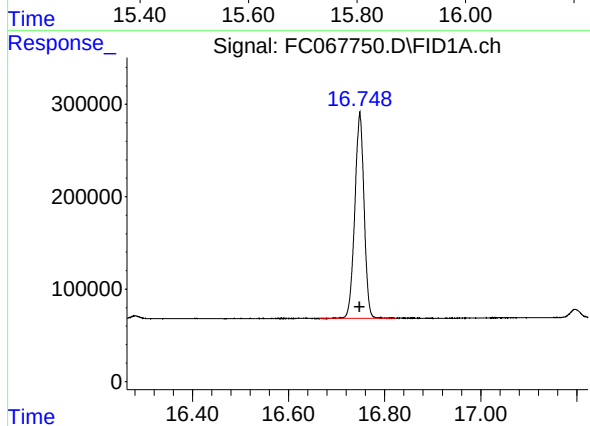
#14 n-Tetracosane (C24)

R.T.: 14.781 min
Delta R.T.: 0.000 min
Response: 3177702
Conc: 20.00 ug/ml



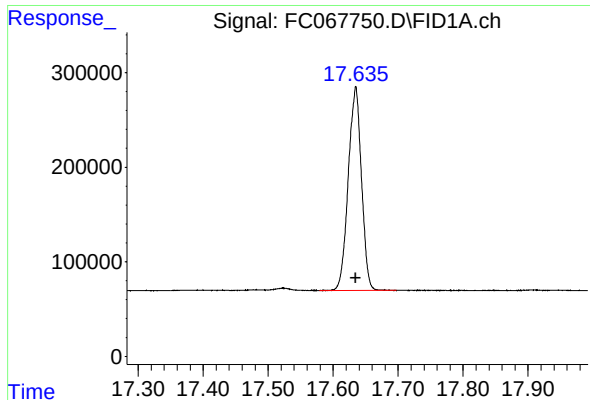
#15 n-Hexacosane (C26)

R.T.: 15.801 min
Delta R.T.: 0.000 min
Response: 3061261
Conc: 20.00 ug/ml



#16 n-Octacosane (C28)

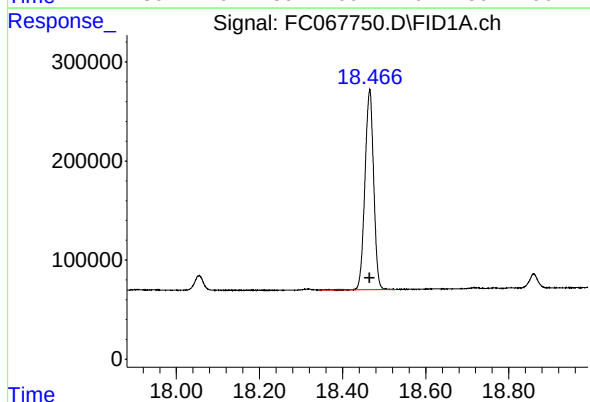
R.T.: 16.748 min
Delta R.T.: 0.000 min
Response: 2988500
Conc: 20.00 ug/ml



#17 n-Tricontane (C30)

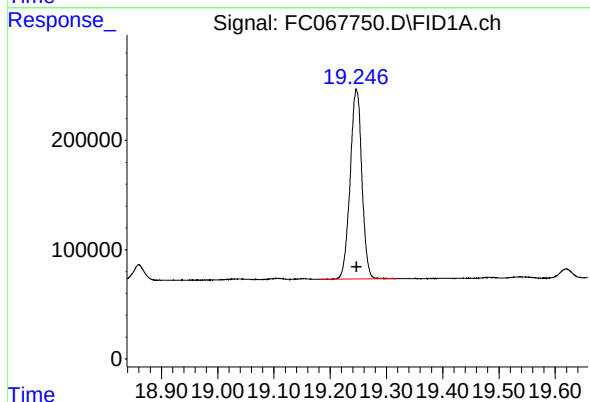
R.T.: 17.635 min
Delta R.T.: 0.000 min
Response: 3038323
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



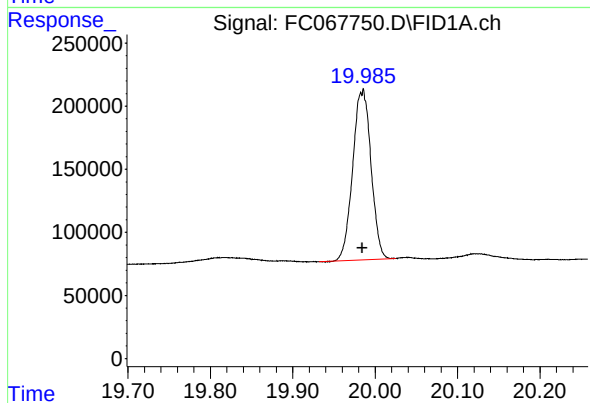
#18 n-Dotriacontane (C32)

R.T.: 18.465 min
Delta R.T.: 0.000 min
Response: 2930784
Conc: 20.00 ug/ml



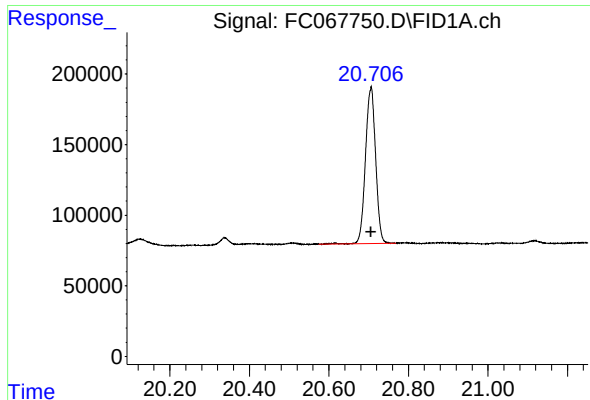
#19 n-Tetatriacontane (C34)

R.T.: 19.247 min
Delta R.T.: 0.000 min
Response: 2517007
Conc: 20.00 ug/ml



#20 n-Hexatriacontane (C36)

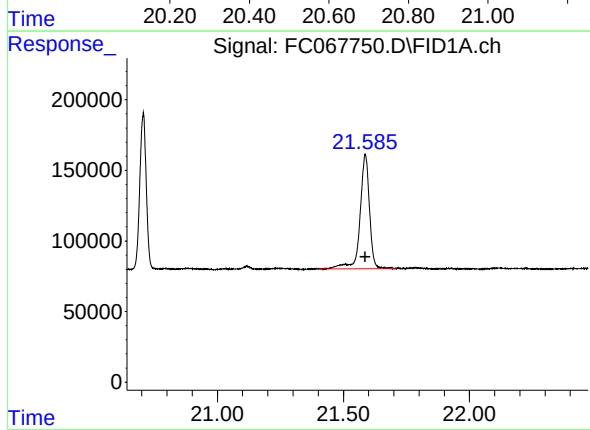
R.T.: 19.984 min
Delta R.T.: 0.000 min
Response: 2080234
Conc: 20.00 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.706 min
Delta R.T.: 0.000 min
Response: 1956058
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



#22 n-Tetracontane (C40)

R.T.: 21.587 min
Delta R.T.: 0.000 min
Response: 2101655
Conc: 20.00 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC111424AL\
Data File : FC067750.D
Signal(s) : FID1A.ch
Acq On : 14 Nov 2024 11:51
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 111424.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	3.273	3.245	3.323	BB	395062	3273618	84.03%	4.798%
2	4.334	4.283	4.397	BB	366166	3333913	85.57%	4.886%
3	5.910	5.855	5.997	BB	394058	3680682	94.47%	5.394%
4	6.349	6.292	6.407	BB	330915	3384863	86.88%	4.961%
5	6.965	6.917	7.068	BB	344646	3573153	91.71%	5.237%
6	8.140	8.075	8.205	BB	309895	3361591	86.28%	4.927%
7	9.738	9.670	9.807	BB	316926	3479695	89.31%	5.100%
8	11.178	11.063	11.250	BB	297212	3542342	90.92%	5.191%
9	11.489	11.423	11.555	BB	350190	3895981	100.00%	5.710%
10	12.484	12.417	12.548	BB	287428	3377516	86.69%	4.950%
11	12.927	12.857	12.987	BB	245590	2921225	74.98%	4.281%
12	13.095	13.027	13.155	BB	267596	3299529	84.69%	4.836%
13	13.681	13.590	13.743	BB	250378	3258558	83.64%	4.776%
14	14.781	14.712	14.855	BB	245027	3177702	81.56%	4.657%
15	15.801	15.730	15.872	BB	223856	3061261	78.57%	4.486%
16	16.748	16.663	16.823	BB	222546	2988500	76.71%	4.380%
17	17.635	17.578	17.697	BB	217007	3038323	77.99%	4.453%
18	18.465	18.343	18.528	VB	201712	2930784	75.23%	4.295%
19	19.247	19.180	19.317	BB	173564	2517007	64.61%	3.689%
20	19.984	19.932	20.025	BV	133807	2080234	53.39%	3.049%
21	20.706	20.575	20.768	BB	109828	1956058	50.21%	2.867%
22	21.587	21.403	21.708	BB	80516	2101655	53.94%	3.080%
Sum of corrected areas:							68234191	

Aliphatic EPH 111424.M Fri Nov 15 03:29:46 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC111424AL\
 Data File : FC067751.D
 Signal(s) : FID1A.ch
 Acq On : 14 Nov 2024 12:27
 Operator : YP/AJ
 Sample : 10 PPM ALIHPHATIC HC STD4
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 10 PPM ALIHPHATIC HC STD4

Integration File: autoint1.e
 Quant Time: Nov 14 13:15:13 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 111424.M
 Quant Title : GC Extractables
 QLast Update : Thu Nov 14 13:15:05 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.487	2050947	10.694 ug/ml
Spiked Amount 50.000		Recovery =	21.39%
12) S 1-chlorooctadecane (S...	12.925	1552495	10.822 ug/ml
Spiked Amount 50.000		Recovery =	21.64%
Target Compounds			
1) T n-Nonane (C9)	3.272	1699554	10.510 ug/ml
2) T n-Decane (C10)	4.334	1727323	10.479 ug/ml
3) T A~Naphthalene (C11.7)	5.910	1904344	10.445 ug/ml
4) T n-Dodecane (C12)	6.348	1755770	10.490 ug/ml
5) T A~2-methylnaphthalene...	6.964	1839874	10.380 ug/ml
6) T n-Tetradecane (C14)	8.139	1744653	10.478 ug/ml
7) T n-Hexadecane (C16)	9.737	1816587	10.546 ug/ml
8) T n-Octadecane (C18)	11.176	1866614	10.714 ug/ml
10) T n-Eicosane (C20)	12.483	1808575	10.894 ug/ml
11) T n-Heneicosane (C21)	13.094	1769034	10.920 ug/ml
13) T n-Docosane (C22)	13.679	1749101	10.949 ug/ml
14) T n-Tetracosane (C24)	14.780	1707779	10.952 ug/ml
15) T n-Hexacosane (C26)	15.799	1641995	10.918 ug/ml
16) T n-Octacosane (C28)	16.747	1593212	10.921 ug/ml
17) T n-Tricontane (C30)	17.634	1615415	11.012 ug/ml
18) T n-Dotriacontane (C32)	18.464	1566436	11.134 ug/ml
19) T n-Tetratriacontane (C34)	19.246	1350731	11.126 ug/ml
20) T n-Hexatriacontane (C36)	19.985	1081784	10.652 ug/ml
21) T n-Octatriacontane (C38)	20.705	1043301	10.911 ug/ml
22) T n-Tetracontane (C40)	21.587	898236	9.622 ug/ml

(f)=RT Delta > 1/2 Window

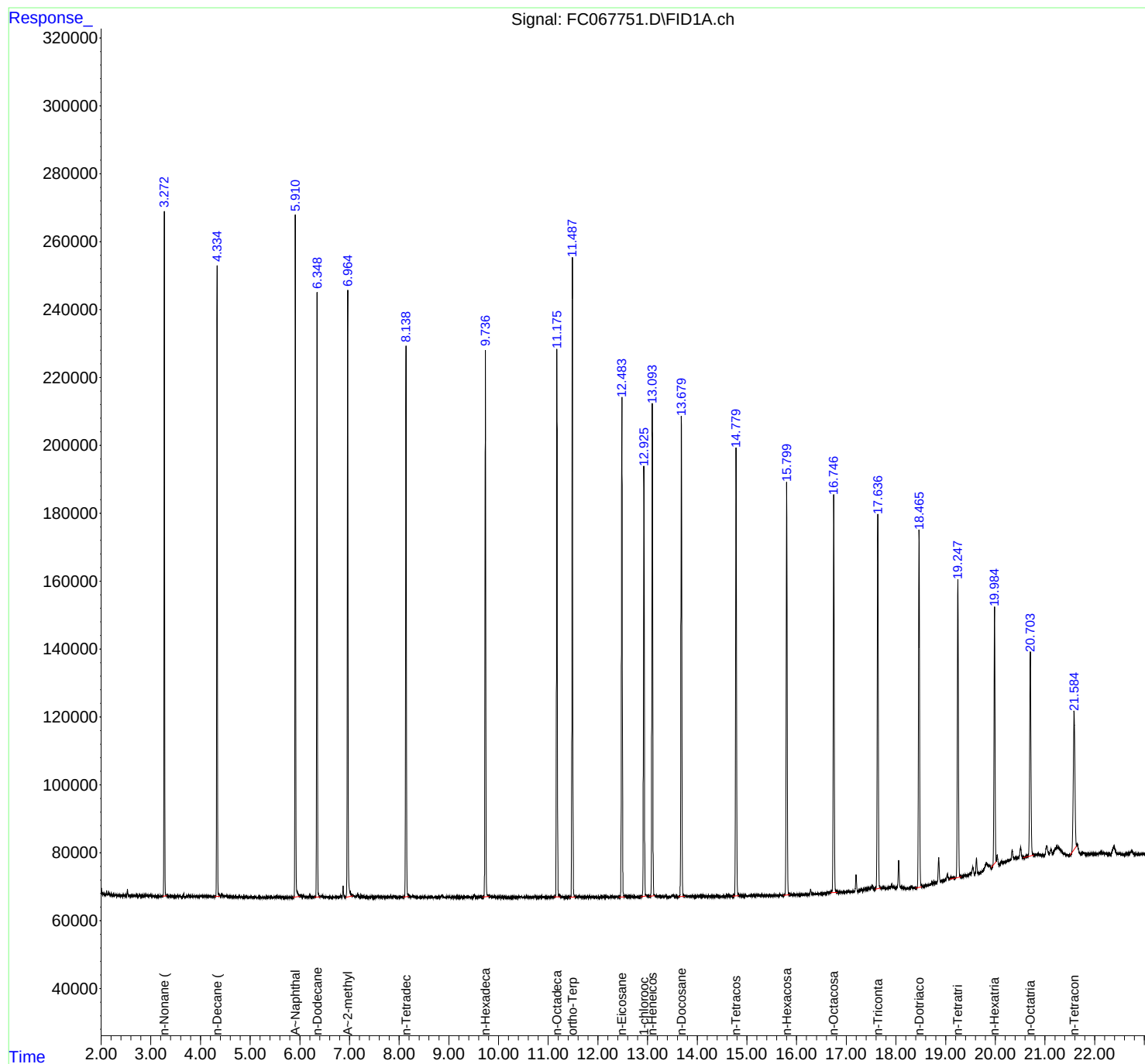
(m)=manual int.

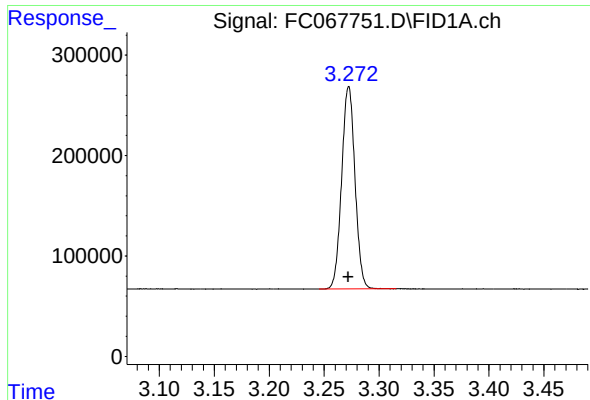
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC111424AL\
Data File : FC067751.D
Signal(s) : FID1A.ch
Acq On : 14 Nov 2024 12:27
Operator : YP/AJ
Sample : 10 PPM ALIHPHATIC HC STD4
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
10 PPM ALIHPHATIC HC STD4

Integration File: autoint1.e
Quant Time: Nov 14 13:15:13 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 111424.M
Quant Title : GC Extractables
QLast Update : Thu Nov 14 13:15:05 2024
Response via : Initial Calibration
Integrator: ChemStation

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





#1 n-Nonane (C9)

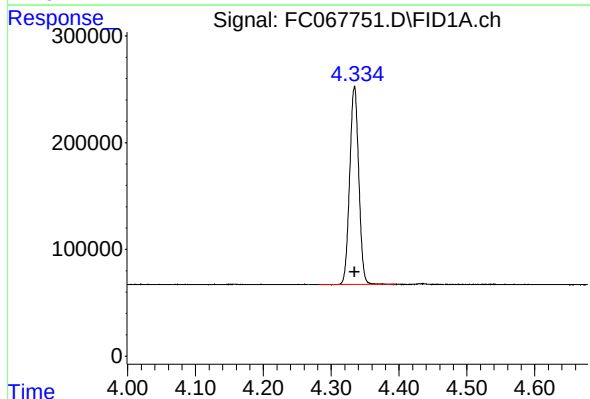
R.T.: 3.272 min
Delta R.T.: 0.000 min
Response: 1699554
Conc: 10.51 ug/ml

Instrument :

FID_C

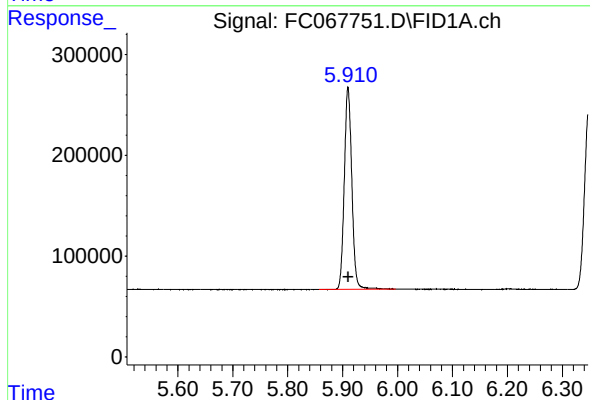
ClientSampleId :

10 PPM ALIPHATIC HC STD4



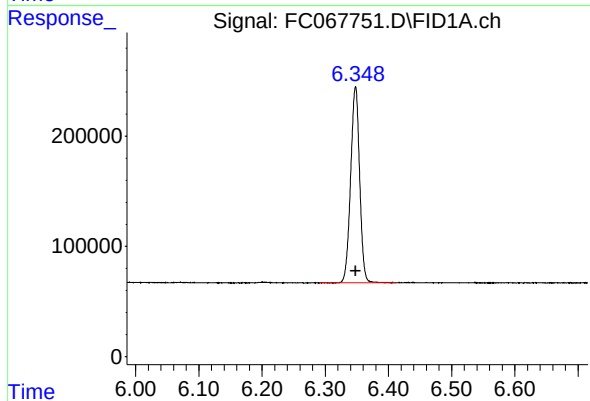
#2 n-Decane (C10)

R.T.: 4.334 min
Delta R.T.: 0.000 min
Response: 1727323
Conc: 10.48 ug/ml



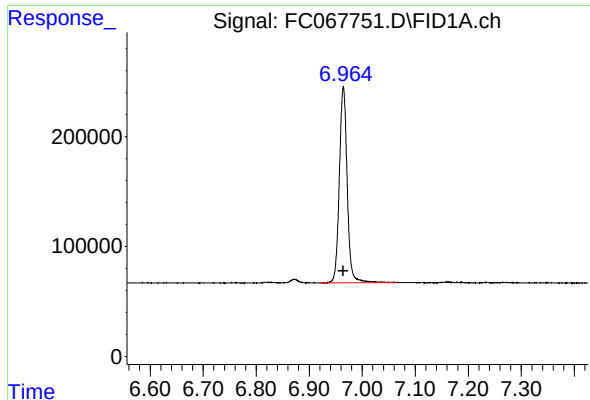
#3 A~Naphthalene (C11.7)

R.T.: 5.910 min
Delta R.T.: 0.000 min
Response: 1904344
Conc: 10.44 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.348 min
Delta R.T.: 0.000 min
Response: 1755770
Conc: 10.49 ug/ml



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

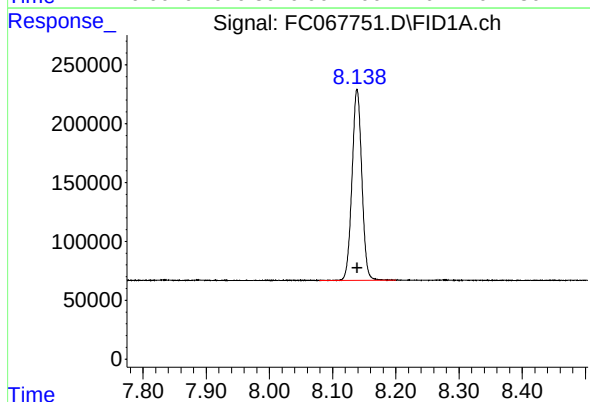
R.T.: 6.964 min
Delta R.T.: 0.000 min
Response: 1839874
Conc: 10.38 ug/ml

Instrument :

FID_C

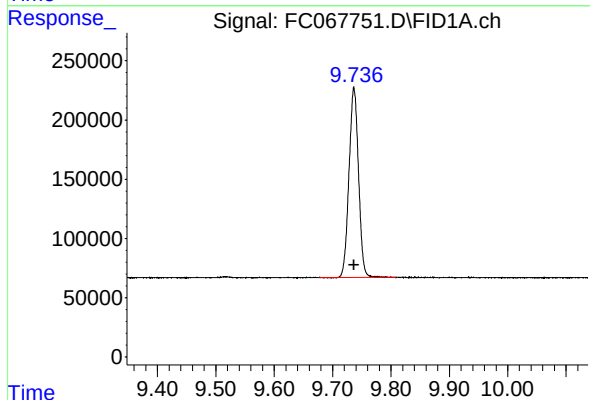
ClientSampleId :

10 PPM ALIHPHATIC HC STD4



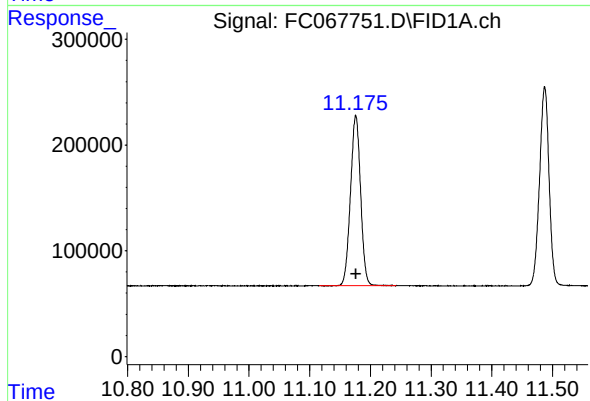
#6 n-Tetradecane (C14)

R.T.: 8.139 min
Delta R.T.: 0.000 min
Response: 1744653
Conc: 10.48 ug/ml



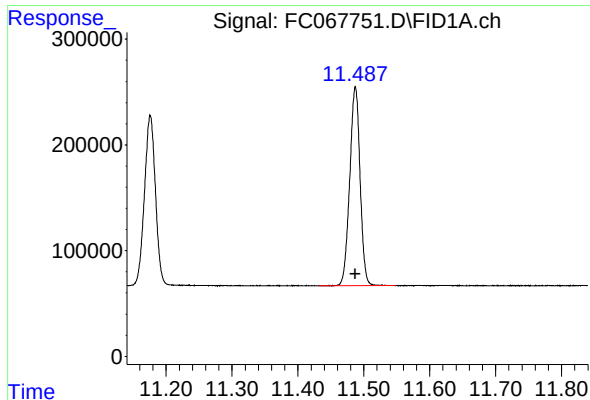
#7 n-Hexadecane (C16)

R.T.: 9.737 min
Delta R.T.: 0.000 min
Response: 1816587
Conc: 10.55 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.176 min
Delta R.T.: 0.000 min
Response: 1866614
Conc: 10.71 ug/ml



#9 ortho-Terphenyl (SURR)

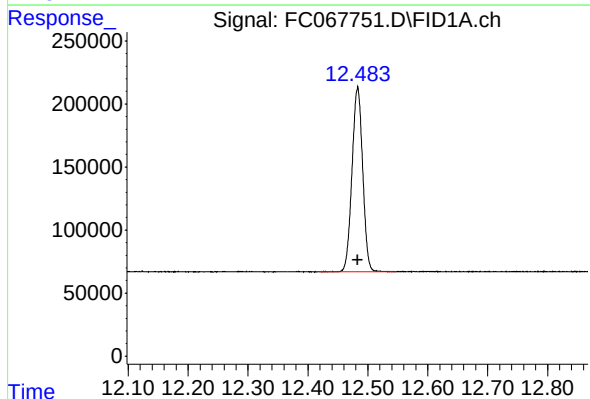
R.T.: 11.487 min
Delta R.T.: 0.000 min
Response: 2050947
Conc: 10.69 ug/ml

Instrument :

FID_C

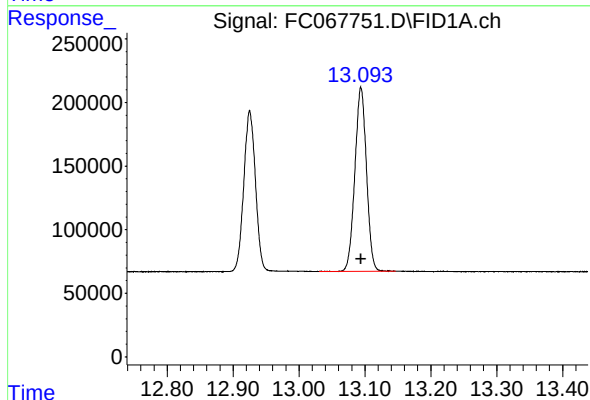
ClientSampleId :

10 PPM ALIHPHATIC HC STD4



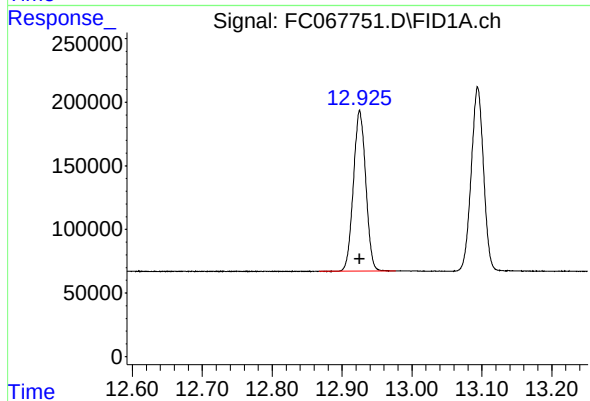
#10 n-Eicosane (C20)

R.T.: 12.483 min
Delta R.T.: 0.000 min
Response: 1808575
Conc: 10.89 ug/ml



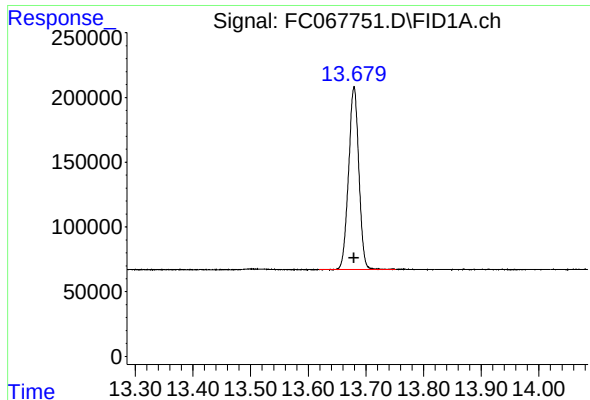
#11 n-Heneicosane (C21)

R.T.: 13.094 min
Delta R.T.: 0.000 min
Response: 1769034
Conc: 10.92 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.925 min
Delta R.T.: 0.000 min
Response: 1552495
Conc: 10.82 ug/ml



#13 n-Docosane (C22)

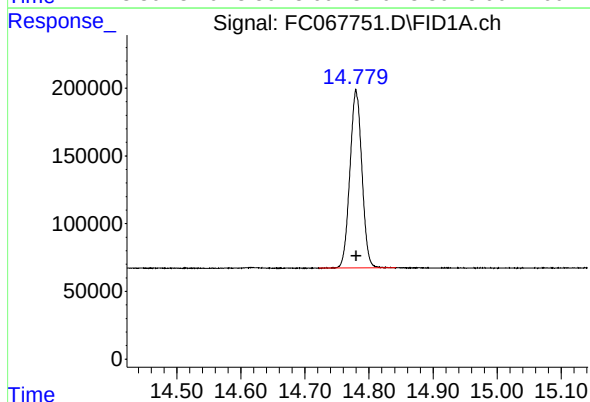
R.T.: 13.679 min
Delta R.T.: 0.000 min
Response: 1749101
Conc: 10.95 ug/ml

Instrument :

FID_C

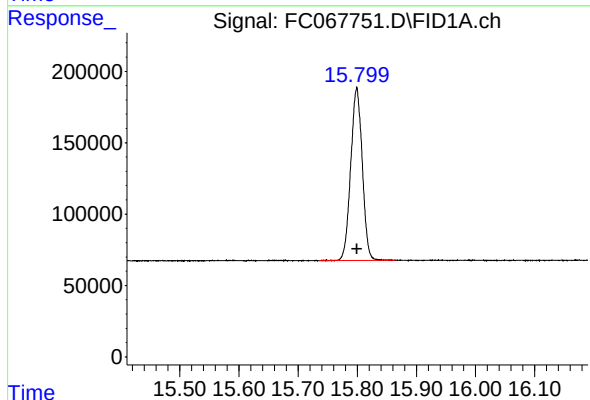
ClientSampleId :

10 PPM ALIPHATIC HC STD4



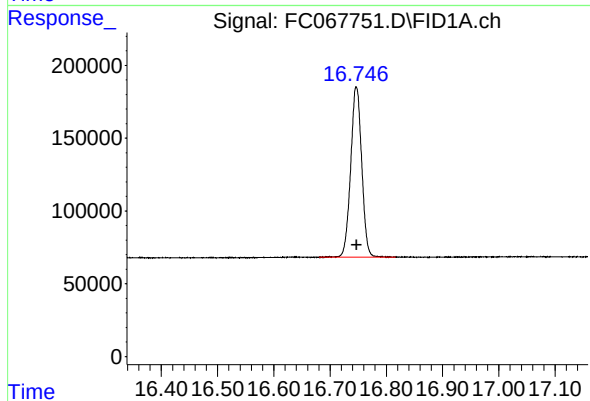
#14 n-Tetracosane (C24)

R.T.: 14.780 min
Delta R.T.: 0.000 min
Response: 1707779
Conc: 10.95 ug/ml



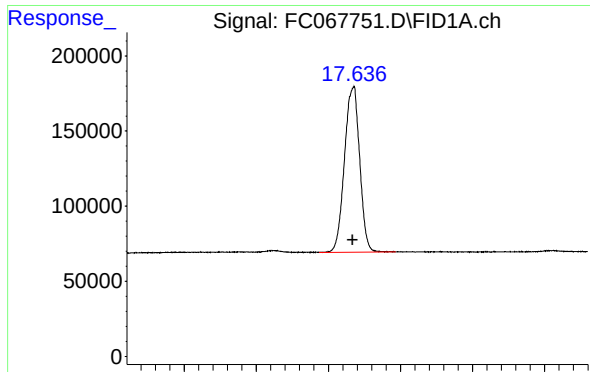
#15 n-Hexacosane (C26)

R.T.: 15.799 min
Delta R.T.: 0.000 min
Response: 1641995
Conc: 10.92 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.747 min
Delta R.T.: 0.000 min
Response: 1593212
Conc: 10.92 ug/ml



#17 n-Tricontane (C30)

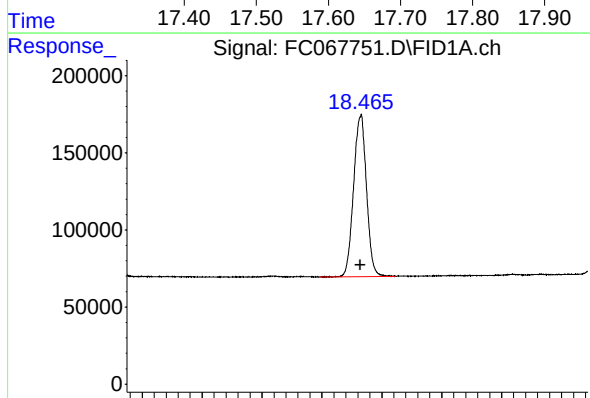
R.T.: 17.634 min
Delta R.T.: 0.000 min
Response: 1615415
Conc: 11.01 ug/ml

Instrument :

FID_C

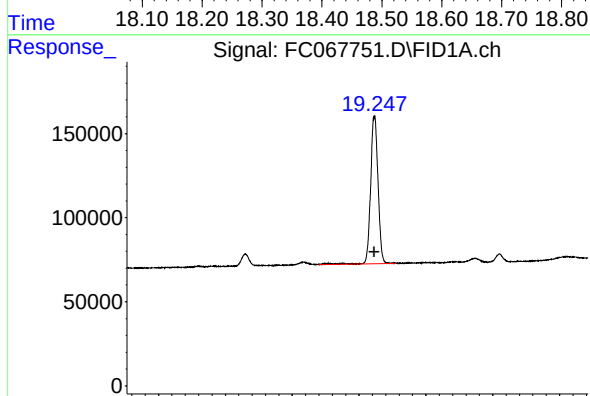
ClientSampleId :

10 PPM ALIHPHATIC HC STD4



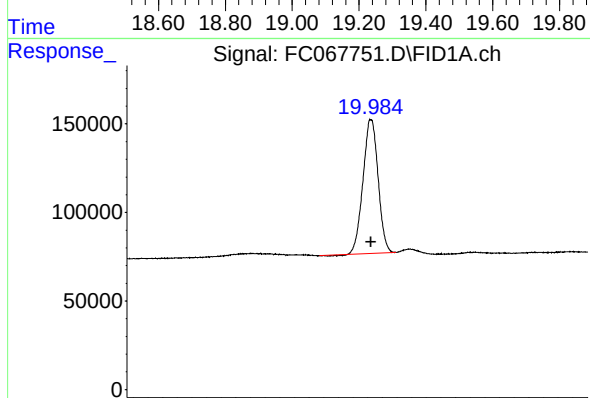
#18 n-Dotriacontane (C32)

R.T.: 18.464 min
Delta R.T.: 0.000 min
Response: 1566436
Conc: 11.13 ug/ml



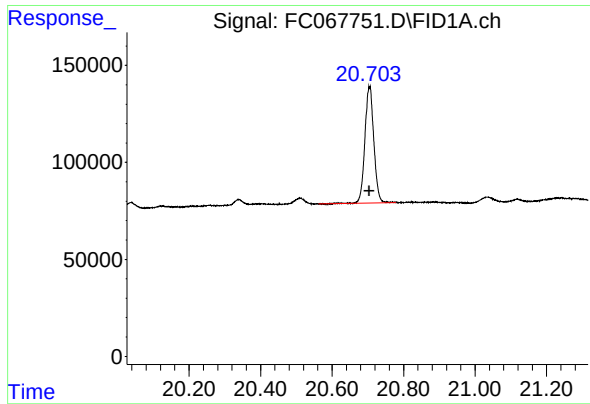
#19 n-Tetratriacontane (C34)

R.T.: 19.246 min
Delta R.T.: 0.000 min
Response: 1350731
Conc: 11.13 ug/ml



#20 n-Hexatriacontane (C36)

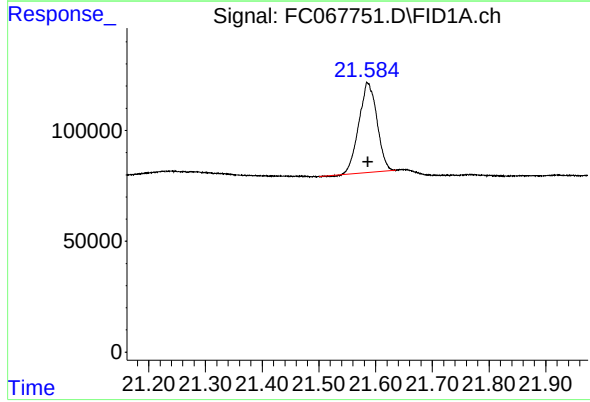
R.T.: 19.985 min
Delta R.T.: 0.000 min
Response: 1081784
Conc: 10.65 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.705 min
Delta R.T.: 0.000 min
Response: 1043301
Conc: 10.91 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIHPHATIC HC STD4



#22 n-Tetracontane (C40)

R.T.: 21.587 min
Delta R.T.: 0.000 min
Response: 898236
Conc: 9.62 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC111424AL\
 Data File : FC067751.D
 Signal(s) : FID1A.ch
 Acq On : 14 Nov 2024 12:27
 Sample : 10 PPM ALIHPHATIC HC STD4
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 111424.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	3.272	3.245	3.315	BB	201392	1699554	82.87%	4.750%
2	4.334	4.282	4.395	BB	184772	1727323	84.22%	4.827%
3	5.910	5.857	5.997	BB	200085	1904344	92.85%	5.322%
4	6.348	6.290	6.412	BB	179174	1755770	85.61%	4.907%
5	6.964	6.919	7.064	BB	178091	1839874	89.71%	5.142%
6	8.139	8.079	8.200	BB	162189	1744653	85.07%	4.876%
7	9.737	9.677	9.809	BB	160226	1816587	88.57%	5.077%
8	11.176	11.115	11.242	BB	161006	1866614	91.01%	5.216%
9	11.487	11.432	11.549	BB	188405	2050947	100.00%	5.732%
10	12.483	12.419	12.547	BB	147330	1808575	88.18%	5.054%
11	12.925	12.867	12.977	BB	126208	1552495	75.70%	4.339%
12	13.094	13.030	13.147	BB	144889	1769034	86.25%	4.944%
13	13.679	13.619	13.752	BB	140684	1749101	85.28%	4.888%
14	14.780	14.722	14.842	BB	130778	1707779	83.27%	4.772%
15	15.799	15.735	15.865	BB	120759	1641995	80.06%	4.589%
16	16.747	16.680	16.817	BB	116868	1593212	77.68%	4.452%
17	17.634	17.587	17.694	BB	109291	1615415	78.76%	4.514%
18	18.464	18.395	18.524	BB	103977	1566436	76.38%	4.378%
19	19.246	19.080	19.310	BB	87049	1350731	65.86%	3.775%
20	19.985	19.914	20.019	BV	75557	1081784	52.75%	3.023%
21	20.705	20.564	20.779	BB	59219	1043301	50.87%	2.916%
22	21.587	21.500	21.636	BV	39943	898236	43.80%	2.510%
Sum of corrected areas:							35783760	

Aliphatic EPH 111424.M Fri Nov 15 03:30:12 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\F111424AL\
 Data File : FC067752.D
 Signal(s) : FID1A.ch
 Acq On : 14 Nov 2024 13:03
 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 11/15/2024
 Supervised By :Ankita Jodhani 11/15/2024

Integration File: autoint1.e
 Quant Time: Nov 14 14:12:13 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 111424.M
 Quant Title : GC Extractables
 QLast Update : Thu Nov 14 14:12:01 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.486	1011043	5.215 ug/ml
Spiked Amount 50.000		Recovery =	10.43%
12) S 1-chlorooctadecane (S...	12.926	759794	5.234 ug/ml
Spiked Amount 50.000		Recovery =	10.47%
Target Compounds			
1) T n-Nonane (C9)	3.272	843654	5.172 ug/ml
2) T n-Decane (C10)	4.334	849229	5.121 ug/ml
3) T A~Naphthalene (C11.7)	5.911	932344	5.090 ug/ml
4) T n-Dodecane (C12)	6.348	863286	5.126 ug/ml
5) T A~2-methylnaphthalene...	6.965	888961	5.012 ug/ml
6) T n-Tetradecane (C14)	8.139	856517	5.114 ug/ml
7) T n-Hexadecane (C16)	9.737	887432	5.121 ug/ml
8) T n-Octadecane (C18)	11.176	913982	5.195 ug/ml
10) T n-Eicosane (C20)	12.482	889327	5.281 ug/ml
11) T n-Heneicosane (C21)	13.094	873353	5.308 ug/ml
13) T n-Docosane (C22)	13.679	876194	5.380 ug/ml
14) T n-Tetracosane (C24)	14.780	890863	5.555 ug/ml
15) T n-Hexacosane (C26)	15.799	863791	5.578 ug/ml
16) T n-Octacosane (C28)	16.747	857935	5.681 ug/ml
17) T n-Tricontane (C30)	17.633	893915	5.838 ug/ml
18) T n-Dotriacontane (C32)	18.465	878383	5.947 ug/ml
19) T n-Tetratriacontane (C34)	19.245	725252	5.750 ug/ml
20) T n-Hexatriacontane (C36)	19.986	583478	5.580 ug/mlm
21) T n-Octatriacontane (C38)	20.705	529758	5.423 ug/ml
22) T n-Tetracontane (C40)	21.585	569616	5.844 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC11424AL\
Data File : FC067752.D
Signal(s) : FID1A.ch
Acq On : 14 Nov 2024 13:03
Operator : YP/AJ
Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 15 Sample Multiplier: 1

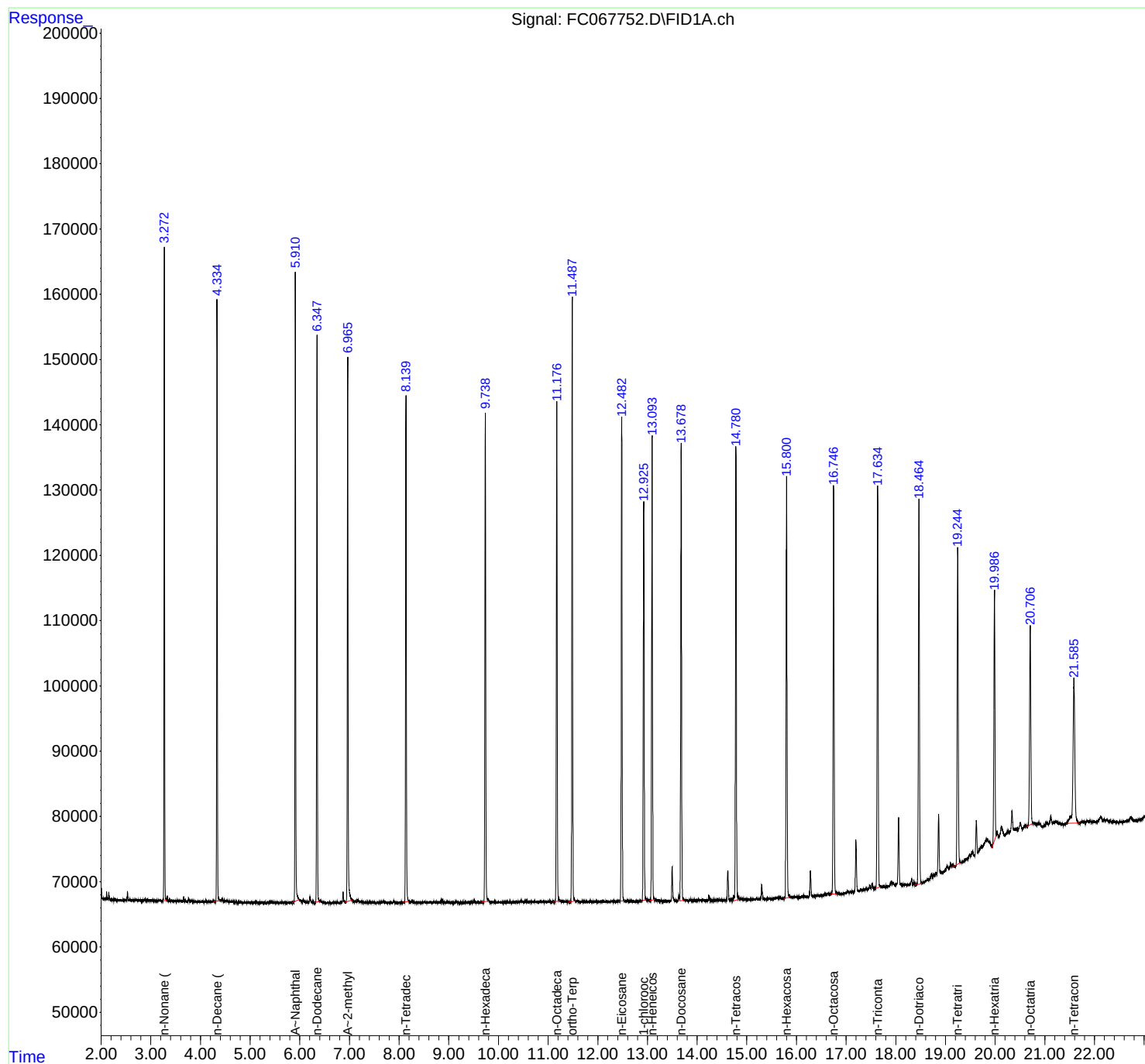
Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5

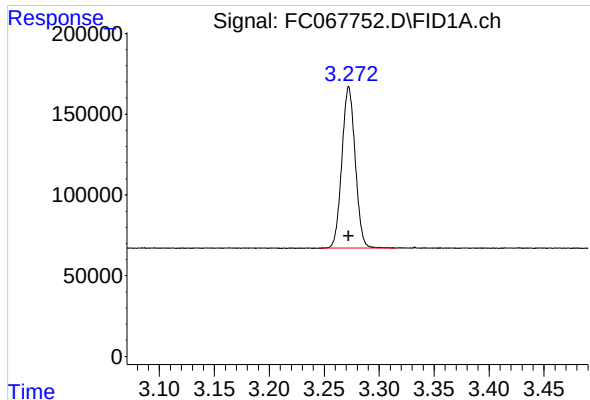
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/15/2024
Supervised By :Ankita Jodhani 11/15/2024

Integration File: autoint1.e
Quant Time: Nov 14 14:12:13 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 111424.M
Quant Title : GC Extractables
QLast Update : Thu Nov 14 14:12:01 2024
Response via : Initial Calibration
Integrator: ChemStation

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





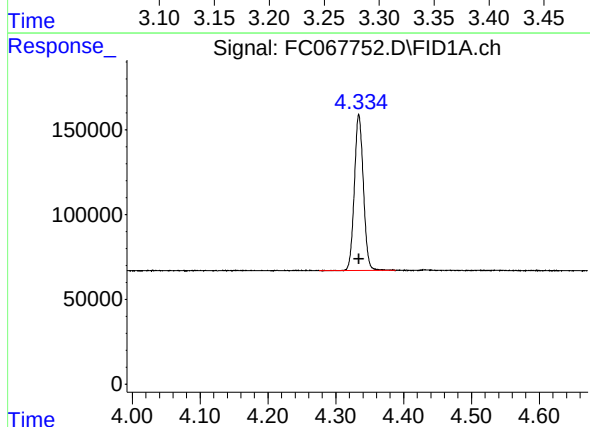
#1 n-Nonane (C9)

R.T.: 3.272 min
Delta R.T.: 0.000 min
Response: 843654
Conc: 5.17 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5

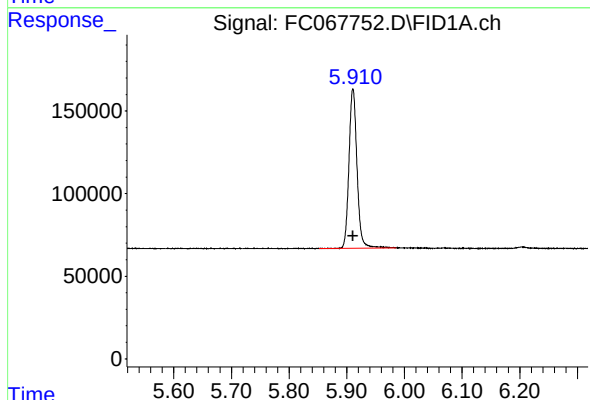
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/15/2024
Supervised By :Ankita Jodhani 11/15/2024



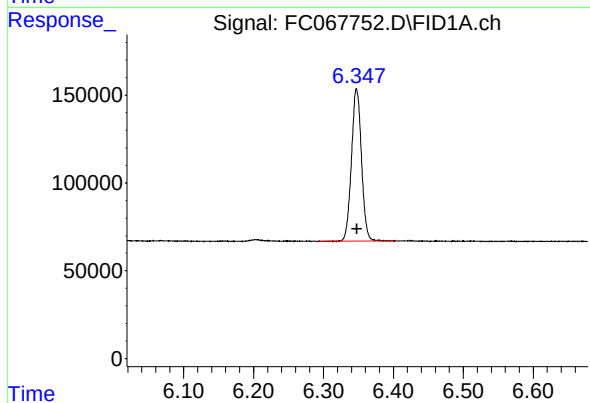
#2 n-Decane (C10)

R.T.: 4.334 min
Delta R.T.: 0.000 min
Response: 849229
Conc: 5.12 ug/ml



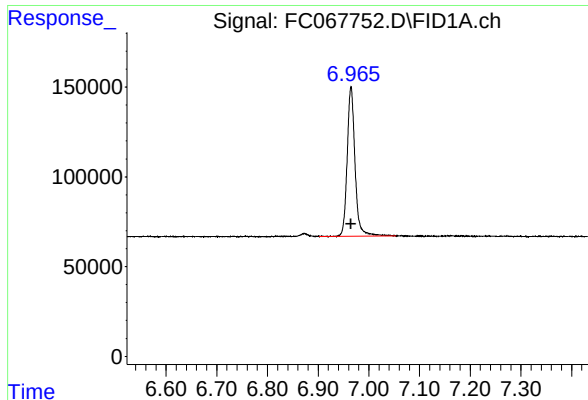
#3 A~Naphthalene (C11.7)

R.T.: 5.911 min
Delta R.T.: 0.000 min
Response: 932344
Conc: 5.09 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.348 min
Delta R.T.: 0.000 min
Response: 863286
Conc: 5.13 ug/ml



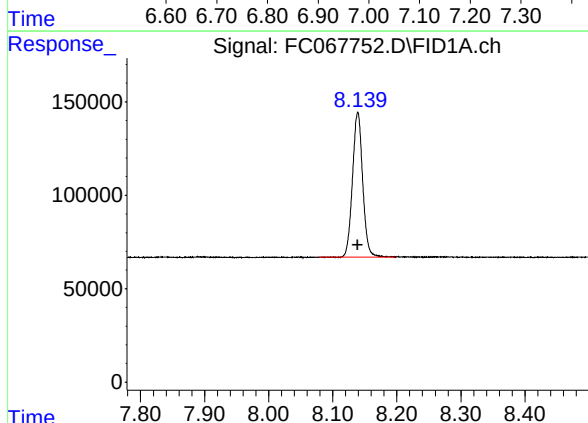
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.965 min
Delta R.T.: 0.000 min
Response: 888961
Conc: 5.01 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5

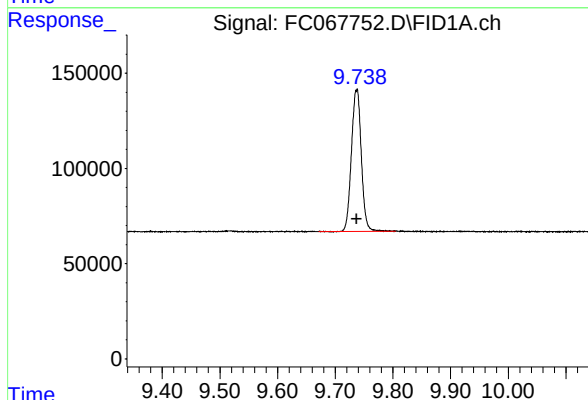
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/15/2024
Supervised By :Ankita Jodhani 11/15/2024



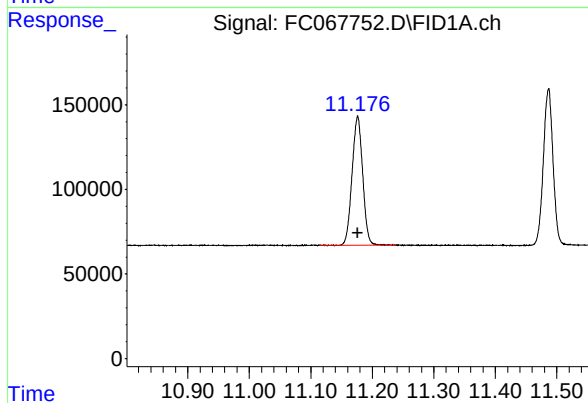
#6 n-Tetradecane (C14)

R.T.: 8.139 min
Delta R.T.: 0.000 min
Response: 856517
Conc: 5.11 ug/ml



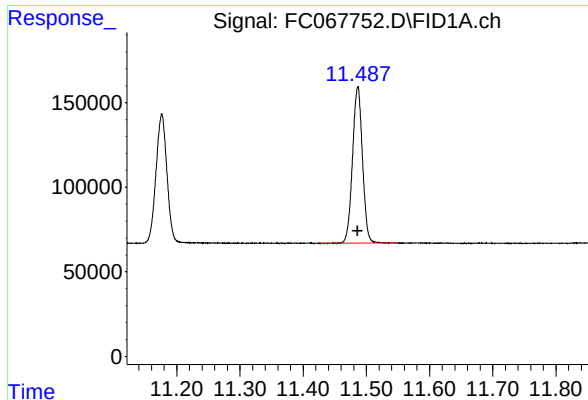
#7 n-Hexadecane (C16)

R.T.: 9.737 min
Delta R.T.: 0.000 min
Response: 887432
Conc: 5.12 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.176 min
Delta R.T.: 0.000 min
Response: 913982
Conc: 5.19 ug/ml



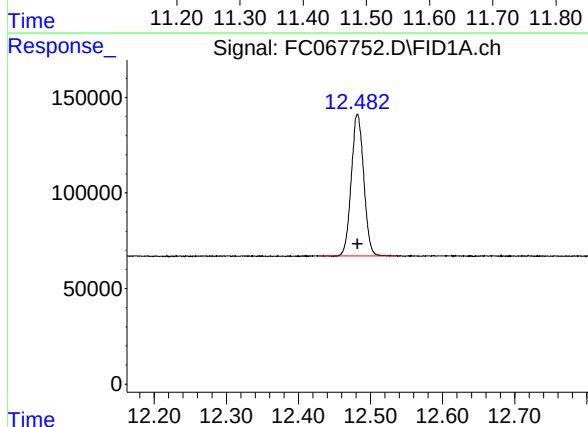
#9 ortho-Terphenyl (SURR)

R.T.: 11.486 min
Delta R.T.: 0.000 min
Response: 1011043
Conc: 5.21 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5

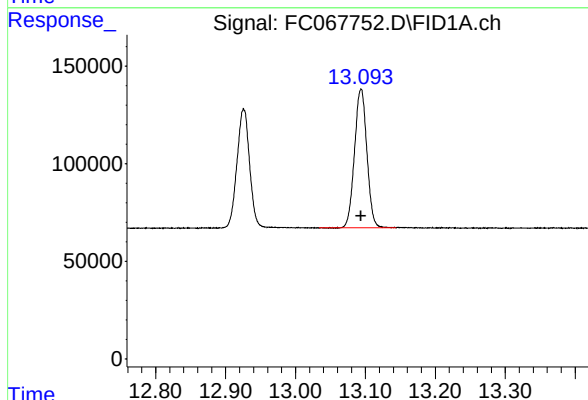
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/15/2024
Supervised By :Ankita Jodhani 11/15/2024



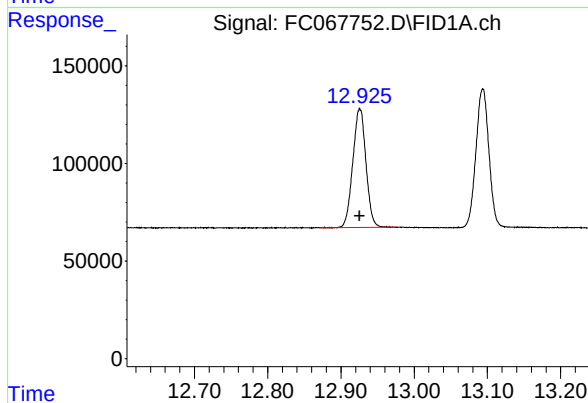
#10 n-Eicosane (C20)

R.T.: 12.482 min
Delta R.T.: 0.000 min
Response: 889327
Conc: 5.28 ug/ml



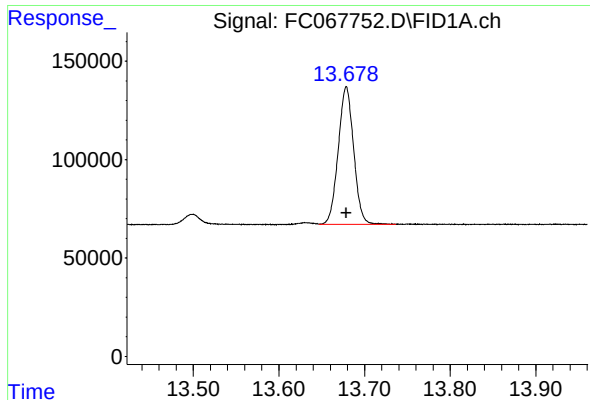
#11 n-Heneicosane (C21)

R.T.: 13.094 min
Delta R.T.: 0.000 min
Response: 873353
Conc: 5.31 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.926 min
Delta R.T.: 0.000 min
Response: 759794
Conc: 5.23 ug/ml



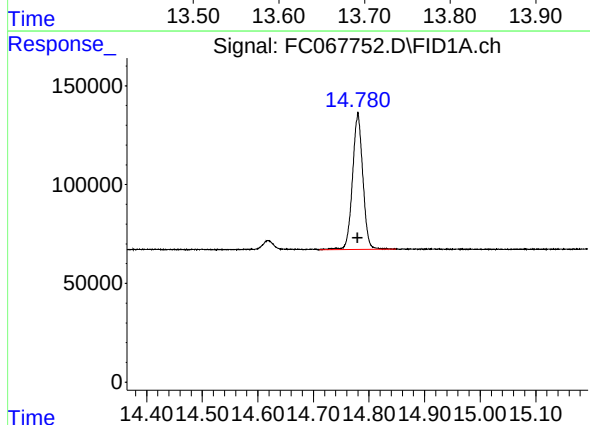
#13 n-Docosane (C22)

R.T.: 13.679 min
Delta R.T.: 0.000 min
Response: 876194
Conc: 5.38 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5

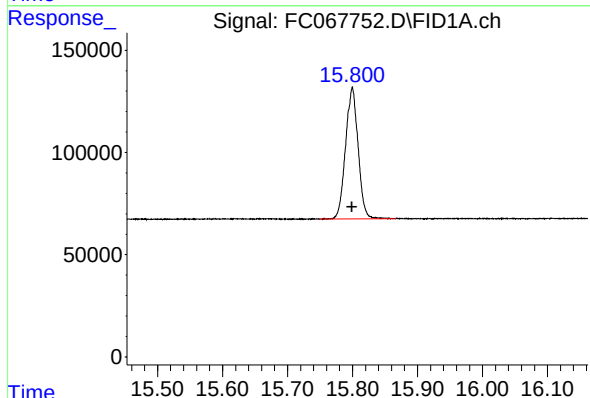
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/15/2024
Supervised By :Ankita Jodhani 11/15/2024



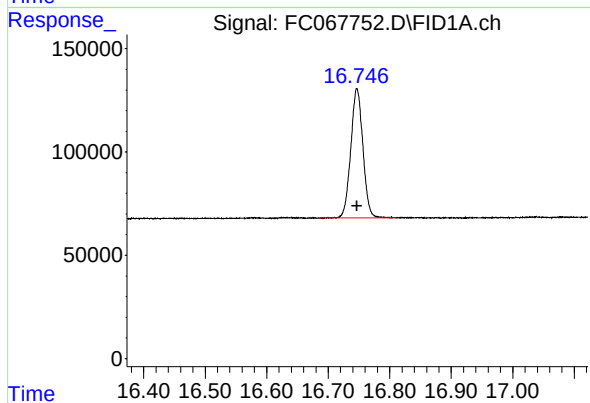
#14 n-Tetracosane (C24)

R.T.: 14.780 min
Delta R.T.: 0.000 min
Response: 890863
Conc: 5.55 ug/ml



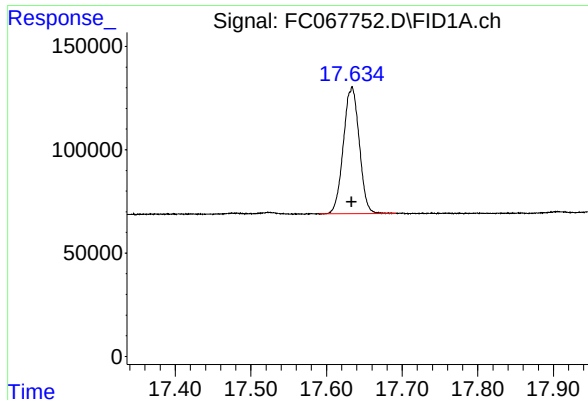
#15 n-Hexacosane (C26)

R.T.: 15.799 min
Delta R.T.: 0.000 min
Response: 863791
Conc: 5.58 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.747 min
Delta R.T.: 0.000 min
Response: 857935
Conc: 5.68 ug/ml



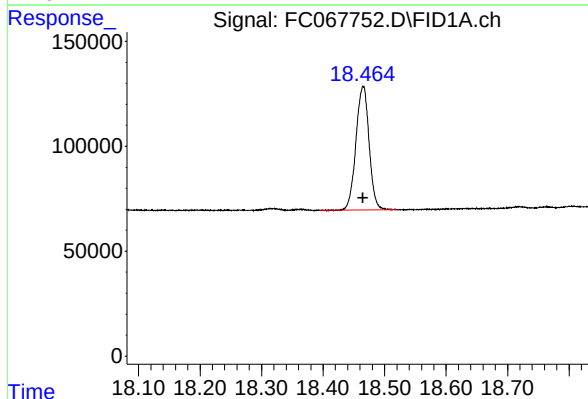
#17 n-Tricontane (C30)

R.T.: 17.633 min
Delta R.T.: 0.000 min
Response: 893915
Conc: 5.84 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5

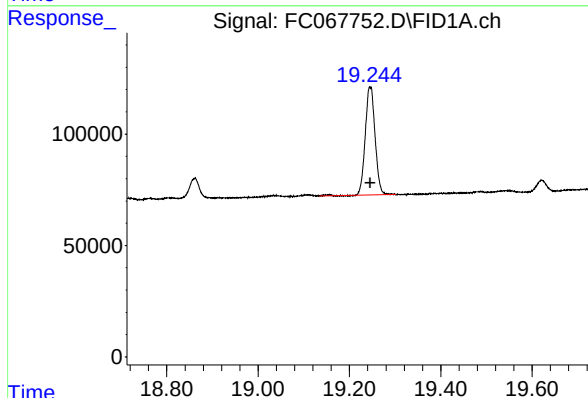
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/15/2024
Supervised By :Ankita Jodhani 11/15/2024



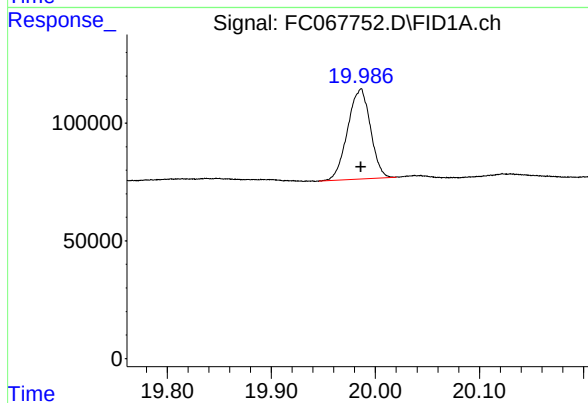
#18 n-Dotriacontane (C32)

R.T.: 18.465 min
Delta R.T.: 0.000 min
Response: 878383
Conc: 5.95 ug/ml



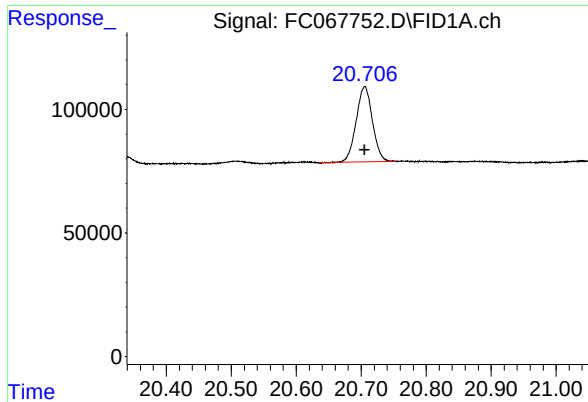
#19 n-Tetratriacontane (C34)

R.T.: 19.245 min
Delta R.T.: 0.000 min
Response: 725252
Conc: 5.75 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.986 min
Delta R.T.: 0.000 min
Response: 583478
Conc: 5.58 ug/ml m



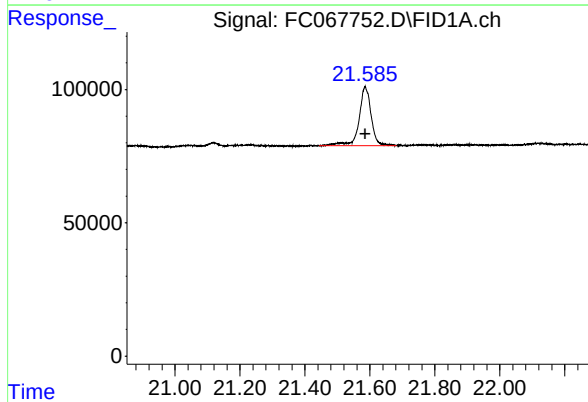
#21 n-Octatriacontane (C38)

R.T.: 20.705 min
Delta R.T.: 0.000 min
Response: 529758
Conc: 5.42 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/15/2024
Supervised By :Ankita Jodhani 11/15/2024



#22 n-Tetracontane (C40)

R.T.: 21.585 min
Delta R.T.: 0.000 min
Response: 569616
Conc: 5.84 ug/ml

rters

Instrument :
FID_C
LabSampleId :
5 PPM ALIPHATIC HC STD5
Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/15/2024
Supervised By :Ankita Jodhani 11/15/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC111424.M
Data File : FC067752.D
Signal(s) : FID1A.ch
Acq On : 14 Nov 2024 13:03
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 111424.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	3.272	3.245	3.315	BB	99725	843654	83.44%	4.631%
2	4.334	4.275	4.389	BB	91882	849229	84.00%	4.661%
3	5.911	5.852	5.985	BB	96582	932344	92.22%	5.118%
4	6.348	6.294	6.404	BB	86656	863286	85.39%	4.739%
5	6.965	6.902	7.054	BB	83408	888961	87.93%	4.880%
6	8.139	8.079	8.199	BB	77381	856517	84.72%	4.701%
7	9.737	9.672	9.805	BB	74117	887432	87.77%	4.871%
8	11.176	11.114	11.239	BB	76599	913982	90.40%	5.017%
9	11.486	11.425	11.547	BB	92885	1011043	100.00%	5.550%
10	12.482	12.429	12.535	BB	73997	889327	87.96%	4.882%
11	12.926	12.870	12.975	BB	60743	759794	75.15%	4.171%
12	13.094	13.034	13.144	BB	71100	873353	86.38%	4.794%
13	13.679	13.647	13.737	VB	69955	876194	86.66%	4.809%
14	14.780	14.710	14.849	BB	69378	890863	88.11%	4.890%
15	15.799	15.749	15.867	BB	64631	863791	85.44%	4.741%
16	16.747	16.685	16.810	BB	62562	857935	84.86%	4.709%
17	17.633	17.590	17.692	BB	61372	893915	88.42%	4.907%
18	18.465	18.394	18.519	BB	59084	878383	86.88%	4.822%
19	19.245	19.134	19.302	BB	48182	725252	71.73%	3.981%
20	19.985	19.915	20.019	BV	37829	563385	55.72%	3.092%
21	20.705	20.635	20.754	BB	30516	529758	52.40%	2.908%
22	21.585	21.444	21.680	BB	22241	569616	56.34%	3.127%
Sum of corrected areas:						18218016		

Aliphatic EPH 111424.M Fri Nov 15 03:30:38 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC111424AL\
 Data File : FC067753.D
 Signal(s) : FID1A.ch
 Acq On : 14 Nov 2024 13:49
 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: Nov 14 16:43:32 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 111424.M
 Quant Title : GC Extractables
 QLast Update : Thu Nov 14 14:13:15 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.490	3947572	20.361 ug/ml
Spiked Amount 50.000		Recovery =	40.72%
12) S 1-chlorooctadecane (S...	12.928	2977474	20.512 ug/ml
Spiked Amount 50.000		Recovery =	41.02%
Target Compounds			
1) T n-Nonane (C9)	3.272	3273252	20.067 ug/ml
2) T n-Decane (C10)	4.334	3340748	20.145 ug/ml
3) T A~Naphthalene (C11.7)	5.911	3690809	20.151 ug/ml
4) T n-Dodecane (C12)	6.348	3400656	20.191 ug/ml
5) T A~2-methylnaphthalene...	6.965	3590183	20.243 ug/ml
6) T n-Tetradecane (C14)	8.140	3396495	20.281 ug/ml
7) T n-Hexadecane (C16)	9.738	3529343	20.366 ug/ml
8) T n-Octadecane (C18)	11.179	3598310	20.452 ug/ml
10) T n-Eicosane (C20)	12.485	3453724	20.511 ug/ml
11) T n-Heneicosane (C21)	13.097	3372726	20.498 ug/ml
13) T n-Docosane (C22)	13.682	3336664	20.489 ug/ml
14) T n-Tetracosane (C24)	14.782	3259223	20.322 ug/ml
15) T n-Hexacosane (C26)	15.801	3138531	20.267 ug/ml
16) T n-Octacosane (C28)	16.750	3091639	20.471 ug/ml
17) T n-Tricontane (C30)	17.635	3156621	20.617 ug/ml
18) T n-Dotriacontane (C32)	18.466	3113422	21.081 ug/ml
19) T n-Tetratriacontane (C34)	19.248	2614033	20.725 ug/ml
20) T n-Hexatriacontane (C36)	19.986	2189342	20.933 ug/ml
21) T n-Octatriacontane (C38)	20.708	1993396	20.407 ug/ml
22) T n-Tetracontane (C40)	21.591	1922623	19.726 ug/ml

(f)=RT Delta > 1/2 Window

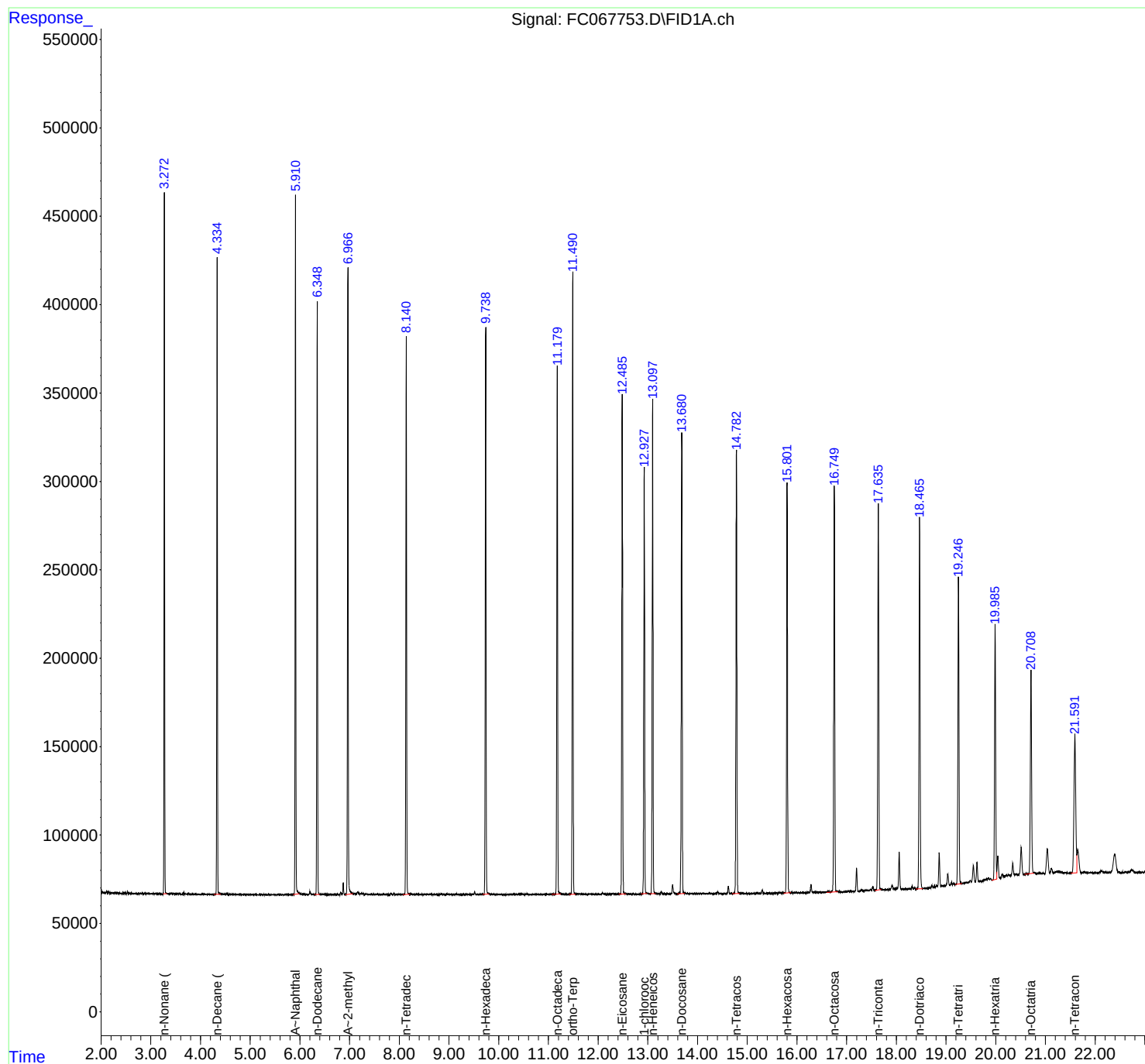
(m)=manual int.

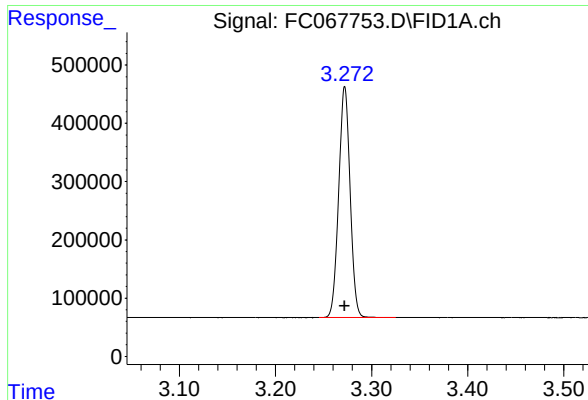
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC111424AL\
Data File : FC067753.D
Signal(s) : FID1A.ch
Acq On : 14 Nov 2024 13:49
Operator : YP/AJ
Sample : 20 PPM ALIPHATIC HC STD ICV
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV

Integration File: autoint1.e
Quant Time: Nov 14 16:43:32 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 111424.M
Quant Title : GC Extractables
QLast Update : Thu Nov 14 14:13:15 2024
Response via : Initial Calibration
Integrator: ChemStation

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

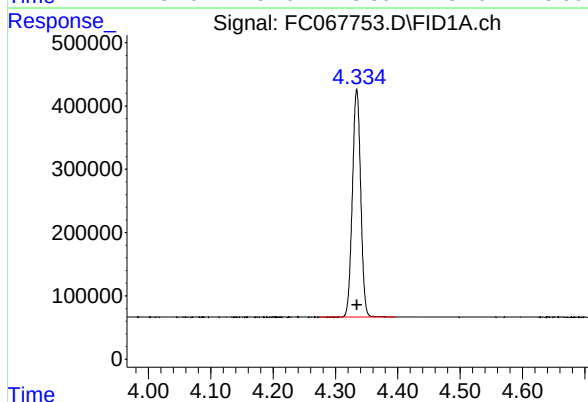




#1 n-Nonane (C9)

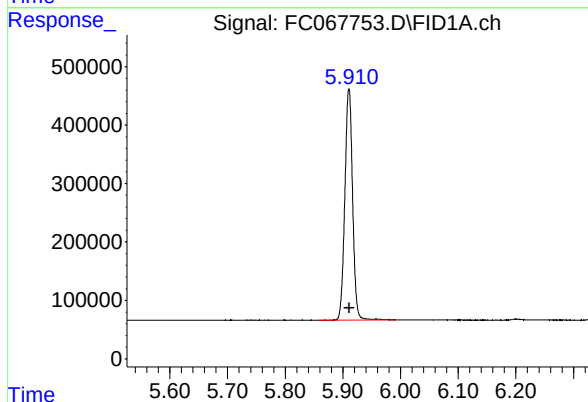
R.T.: 3.272 min
Delta R.T.: 0.000 min
Response: 3273252
Conc: 20.07 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



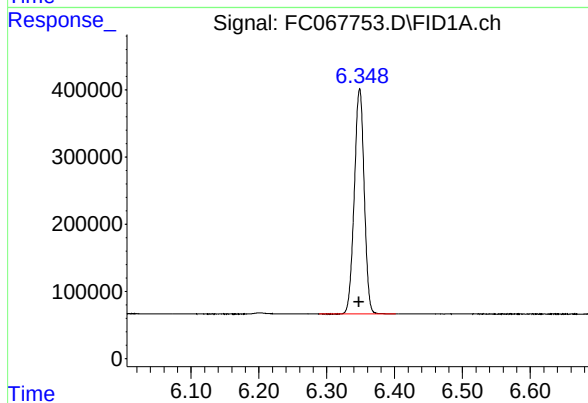
#2 n-Decane (C10)

R.T.: 4.334 min
Delta R.T.: 0.000 min
Response: 3340748
Conc: 20.15 ug/ml



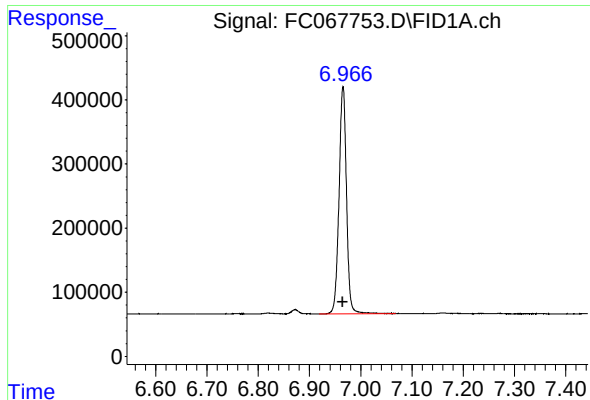
#3 A~Naphthalene (C11.7)

R.T.: 5.911 min
Delta R.T.: 0.000 min
Response: 3690809
Conc: 20.15 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.348 min
Delta R.T.: 0.000 min
Response: 3400656
Conc: 20.19 ug/ml



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

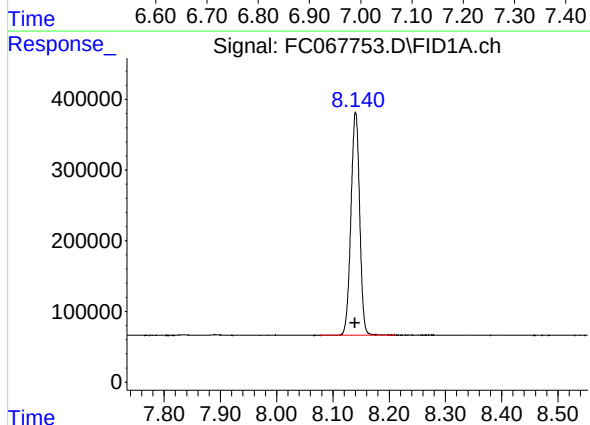
R.T.: 6.965 min
Delta R.T.: 0.000 min
Response: 3590183
Conc: 20.24 ug/ml

Instrument :

FID_C

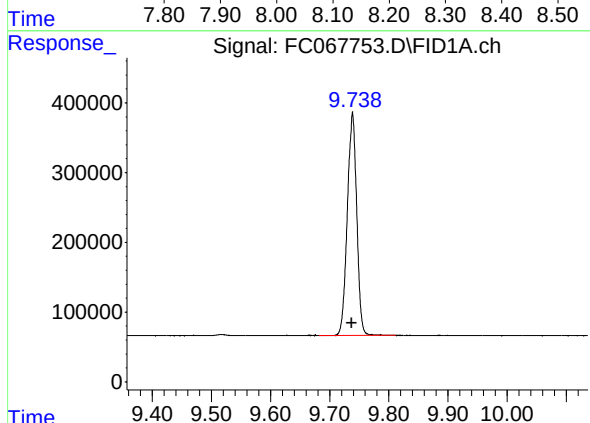
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



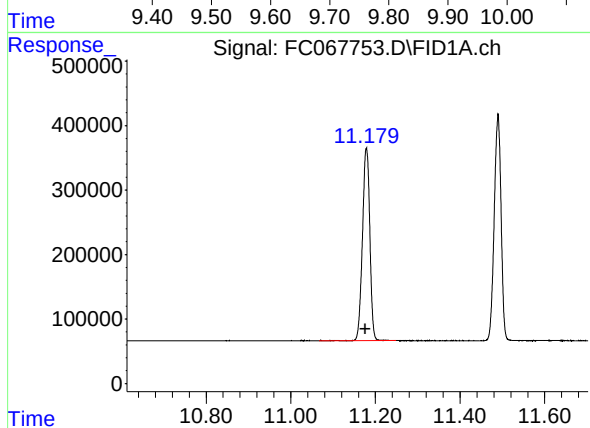
#6 n-Tetradecane (C14)

R.T.: 8.140 min
Delta R.T.: 0.001 min
Response: 3396495
Conc: 20.28 ug/ml



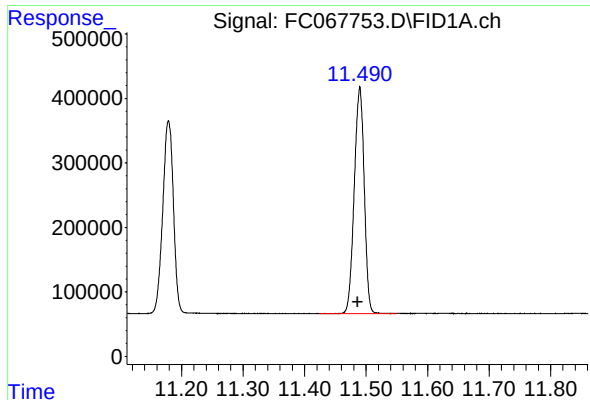
#7 n-Hexadecane (C16)

R.T.: 9.738 min
Delta R.T.: 0.001 min
Response: 3529343
Conc: 20.37 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.179 min
Delta R.T.: 0.003 min
Response: 3598310
Conc: 20.45 ug/ml



#9 ortho-Terphenyl (SURR)

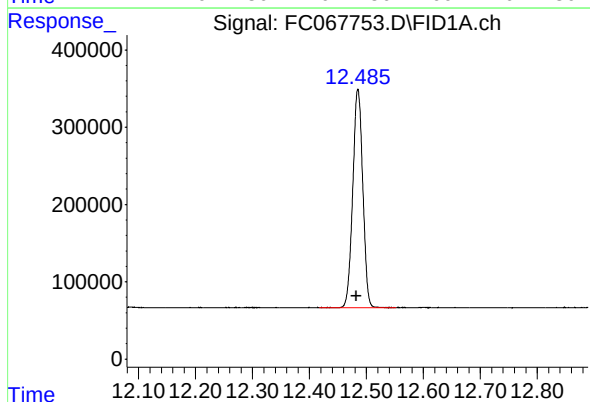
R.T.: 11.490 min
Delta R.T.: 0.003 min
Response: 3947572
Conc: 20.36 ug/ml

Instrument :

FID_C

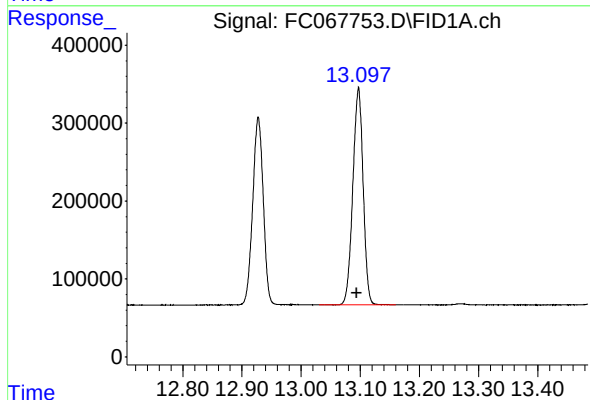
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



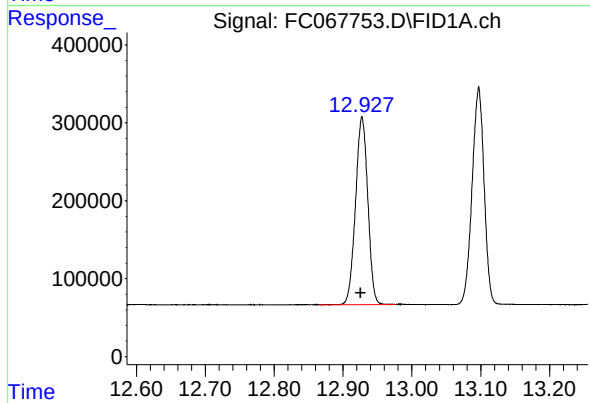
#10 n-Eicosane (C20)

R.T.: 12.485 min
Delta R.T.: 0.003 min
Response: 3453724
Conc: 20.51 ug/ml



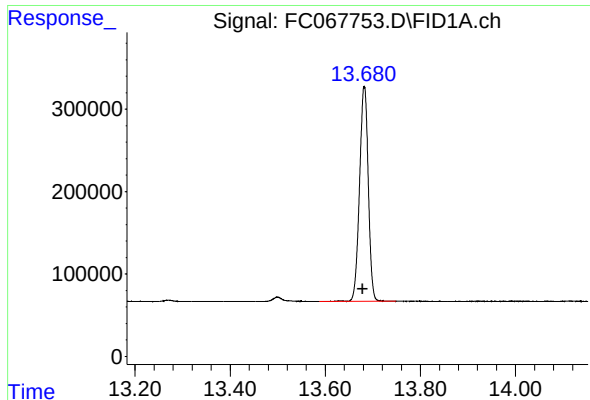
#11 n-Heneicosane (C21)

R.T.: 13.097 min
Delta R.T.: 0.003 min
Response: 3372726
Conc: 20.50 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.928 min
Delta R.T.: 0.002 min
Response: 2977474
Conc: 20.51 ug/ml



#13 n-Docosane (C22)

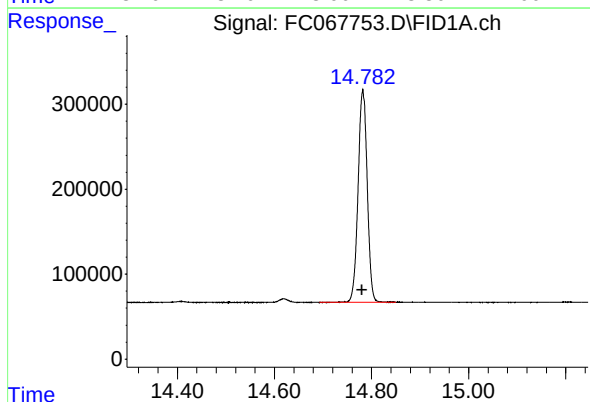
R.T.: 13.682 min
Delta R.T.: 0.003 min
Response: 3336664
Conc: 20.49 ug/ml

Instrument :

FID_C

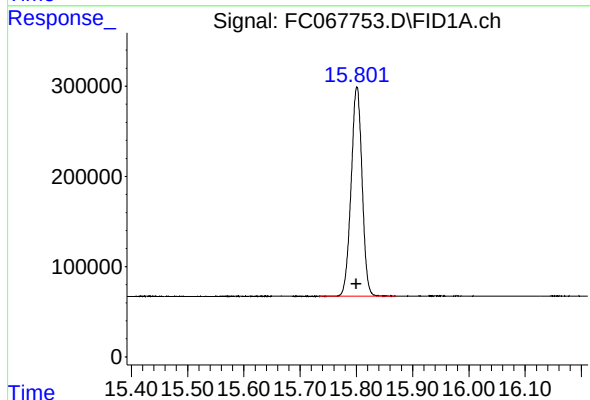
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



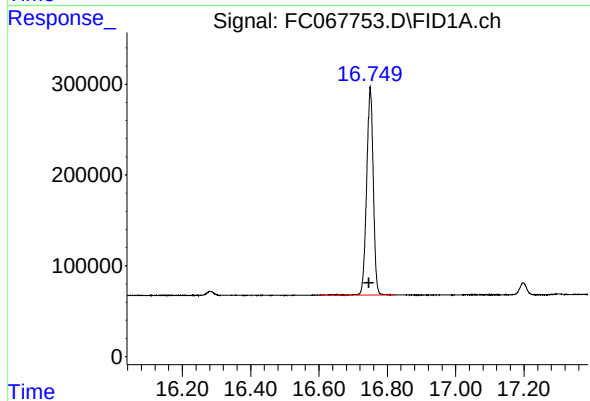
#14 n-Tetracosane (C24)

R.T.: 14.782 min
Delta R.T.: 0.002 min
Response: 3259223
Conc: 20.32 ug/ml



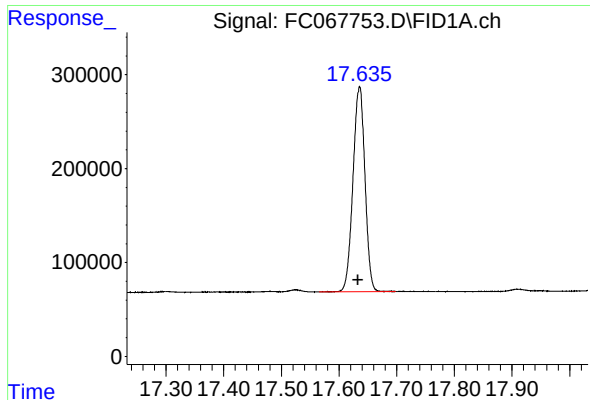
#15 n-Hexacosane (C26)

R.T.: 15.801 min
Delta R.T.: 0.001 min
Response: 3138531
Conc: 20.27 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.750 min
Delta R.T.: 0.003 min
Response: 3091639
Conc: 20.47 ug/ml



#17 n-Tricontane (C30)

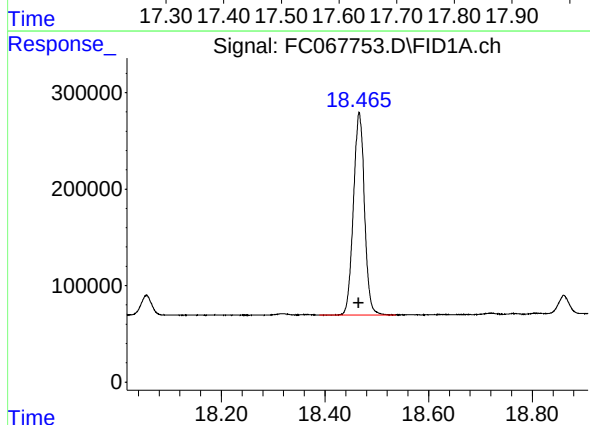
R.T.: 17.635 min
Delta R.T.: 0.002 min
Response: 3156621
Conc: 20.62 ug/ml

Instrument :

FID_C

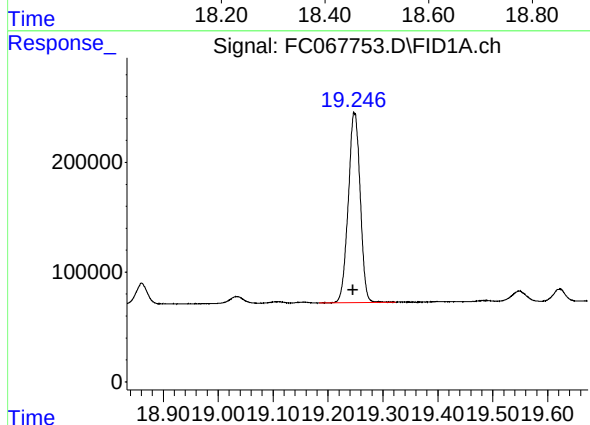
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



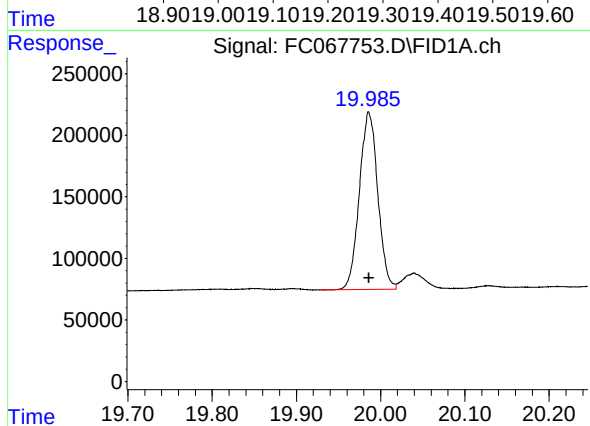
#18 n-Dotriacontane (C32)

R.T.: 18.466 min
Delta R.T.: 0.001 min
Response: 3113422
Conc: 21.08 ug/ml



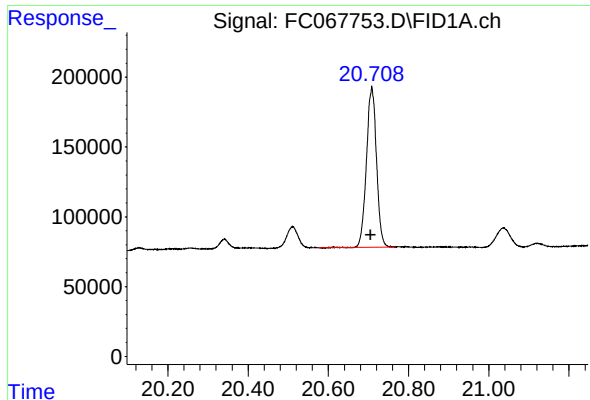
#19 n-Tetratriacontane (C34)

R.T.: 19.248 min
Delta R.T.: 0.003 min
Response: 2614033
Conc: 20.72 ug/ml



#20 n-Hexatriacontane (C36)

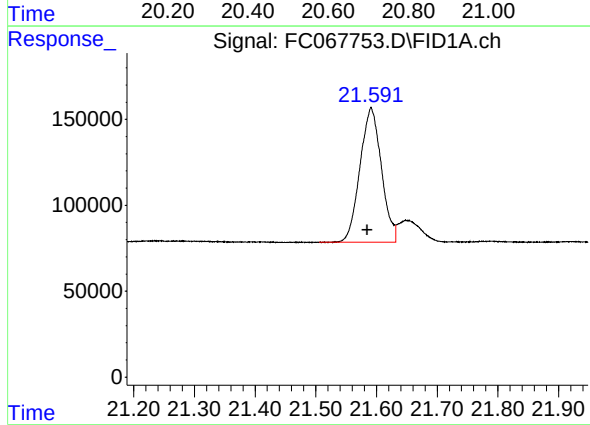
R.T.: 19.986 min
Delta R.T.: 0.000 min
Response: 2189342
Conc: 20.93 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.708 min
Delta R.T.: 0.003 min
Response: 1993396
Conc: 20.41 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



#22 n-Tetracontane (C40)

R.T.: 21.591 min
Delta R.T.: 0.006 min
Response: 1922623
Conc: 19.73 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC111424AL\
Data File : FC067753.D
Signal(s) : FID1A.ch
Acq On : 14 Nov 2024 13:49
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 111424.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	3.272	3.245	3.325	BB	397207	3273252	82.92%	4.717%
2	4.334	4.274	4.397	BB	359161	3340748	84.63%	4.815%
3	5.911	5.859	5.992	BB	395819	3690809	93.50%	5.319%
4	6.349	6.289	6.402	BB	335407	3400656	86.15%	4.901%
5	6.965	6.919	7.069	BB	354092	3590183	90.95%	5.174%
6	8.140	8.075	8.212	BB	315820	3396495	86.04%	4.895%
7	9.738	9.682	9.812	BB	320549	3529343	89.41%	5.086%
8	11.179	11.067	11.249	BB	298392	3598310	91.15%	5.186%
9	11.490	11.424	11.549	BB	353294	3947572	100.00%	5.689%
10	12.485	12.417	12.552	BB	282430	3453724	87.49%	4.977%
11	12.928	12.865	12.977	BB	241045	2977474	75.43%	4.291%
12	13.097	13.030	13.160	BB	278431	3372726	85.44%	4.861%
13	13.682	13.587	13.749	BB	259524	3336664	84.52%	4.809%
14	14.782	14.692	14.850	BB	249647	3259223	82.56%	4.697%
15	15.801	15.734	15.870	BB	232224	3138531	79.51%	4.523%
16	16.750	16.600	16.825	BB	228528	3091639	78.32%	4.456%
17	17.635	17.565	17.699	BB	218395	3156621	79.96%	4.549%
18	18.466	18.389	18.537	BB	209581	3113422	78.87%	4.487%
19	19.248	19.184	19.324	BB	171350	2614033	66.22%	3.767%
20	19.986	19.927	20.018	BV	142350	2189342	55.46%	3.155%
21	20.708	20.577	20.769	BB	115321	1993396	50.50%	2.873%
22	21.591	21.505	21.632	BV	78477	1922623	48.70%	2.771%
Sum of corrected areas:							69386786	

Aliphatic EPH 111424.M Fri Nov 15 03:31:23 2024