

Initial Calibration Report for SequenceID : FC032625AL

AreaCount

Parameter Range	FC068401.D	FC068402.D	FC068403.D	FC068404.D	FC068405.D	
Aliphatic C9-C12	45086767.000	23957696.000	10109387.000	5032376.000	2480291.000	
Aliphatic C12-C16	31366027.000	16525288.000	7021727.000	3486717.000	1690088.000	
Aliphatic C16-C21	46215435.000	24301108.000	10733415.000	5433148.000	2722484.000	
Aliphatic C21-C28	57370908.000	30982953.000	13741558.000	7153138.000	3908195.000	
Aliphatic C28-C40	66709018.000	35774110.000	16746543.000	8713011.000	4969759.000	
Aliphatic EPH	246748155.000	131541155.000	58352630.000	29818390.000	15770817.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aliphatic C9-C12	162319.1159996	4.653				
Aliphatic C12-C16	168194.168	4.51				
Aliphatic C16-C21	171510.5906664	7.383				
Aliphatic C21-C28	168869.942	12.042				
Aliphatic C28-C40	136171.7476664	15.894				
Aliphatic EPH	157243.7616662	9.786				

Concentration

Parameter Range	FC068401.D	FC068402.D	FC068403.D	FC068404.D	FC068405.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	FC068401.D	FC068402.D	FC068403.D	FC068404.D	FC068405.D	
Aliphatic C9-C12	150289.223333	159717.973333	168489.783333	167745.866666	165352.733333	
Aliphatic C12-C16	156830.135000	165252.880000	175543.175000	174335.850000	169008.800000	
Aliphatic C16-C21	154051.450000	162007.386666	178890.250000	181104.933333	181498.933333	

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Aliphatic C21-C28	143427.270000	154914.765000	171769.475000	178828.450000	195409.750000	
Aliphatic C28-C40	111181.696666	119247.033333	139554.525000	145216.850000	165658.633333	
Aliphatic EPH	137082.308333	146156.838888	162090.638888	165657.722222	175231.300000	

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC032625AL\
 Data File : FC068401.D
 Signal(s) : FID1A.ch
 Acq On : 26 Mar 2025 10:26
 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: Mar 26 13:11:37 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
 Quant Title : GC Extractables
 QLast Update : Wed Mar 26 13:10:46 2025
 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)	11.397	18022152	87.143 ug/ml
Spiked Amount 50.000		Recovery =	174.29%
12) S 1-chlorooctadecane (S...	12.835	13391425	85.929 ug/ml
Spiked Amount 50.000		Recovery =	171.86%
Target Compounds			
1) T n-Nonane (C9)	3.203	14755216	88.977 ug/ml
2) T n-Decane (C10)	4.260	15026852	89.124 ug/ml
3) T A~Naphthalene (C11.7)	5.825	16689744	90.339 ug/ml
4) T n-Dodecane (C12)	6.267	15304699	89.485 ug/ml
5) T A~2-methylnaphthalene...	6.878	16293302	91.366 ug/ml
6) T n-Tetradecane (C14)	8.055	15405712	89.847 ug/ml
7) T n-Hexadecane (C16)	9.651	15960315	88.855 ug/ml
8) T n-Octadecane (C18)	11.091	16014633	87.298 ug/ml
10) T n-Eicosane (C20)	12.395	15259809	85.614 ug/ml
11) T n-Heneicosane (C21)	13.006	14940993	85.386 ug/ml
13) T n-Docosane (C22)	13.591	14810036	84.833 ug/ml
14) T n-Tetracosane (C24)	14.691	14604400	83.903 ug/ml
15) T n-Hexacosane (C26)	15.709	14222474	83.552 ug/ml
16) T n-Octacosane (C28)	16.657	13733998	81.646 ug/ml
17) T n-Tricontane (C30)	17.545	13722934	78.333 ug/ml
18) T n-Dotriacontane (C32)	18.374	12956119	76.432 ug/ml
19) T n-Tetratriacontane (C34)	19.156	11776981	77.993 ug/ml
20) T n-Hexatriacontane (C36)	19.893	10216728	80.554 ug/ml
21) T n-Octatriacontane (C38)	20.603	9266089	82.732 ug/ml
22) T n-Tetracontane (C40)	21.453	8770167	85.317 ug/ml

(f)=RT Delta > 1/2 Window

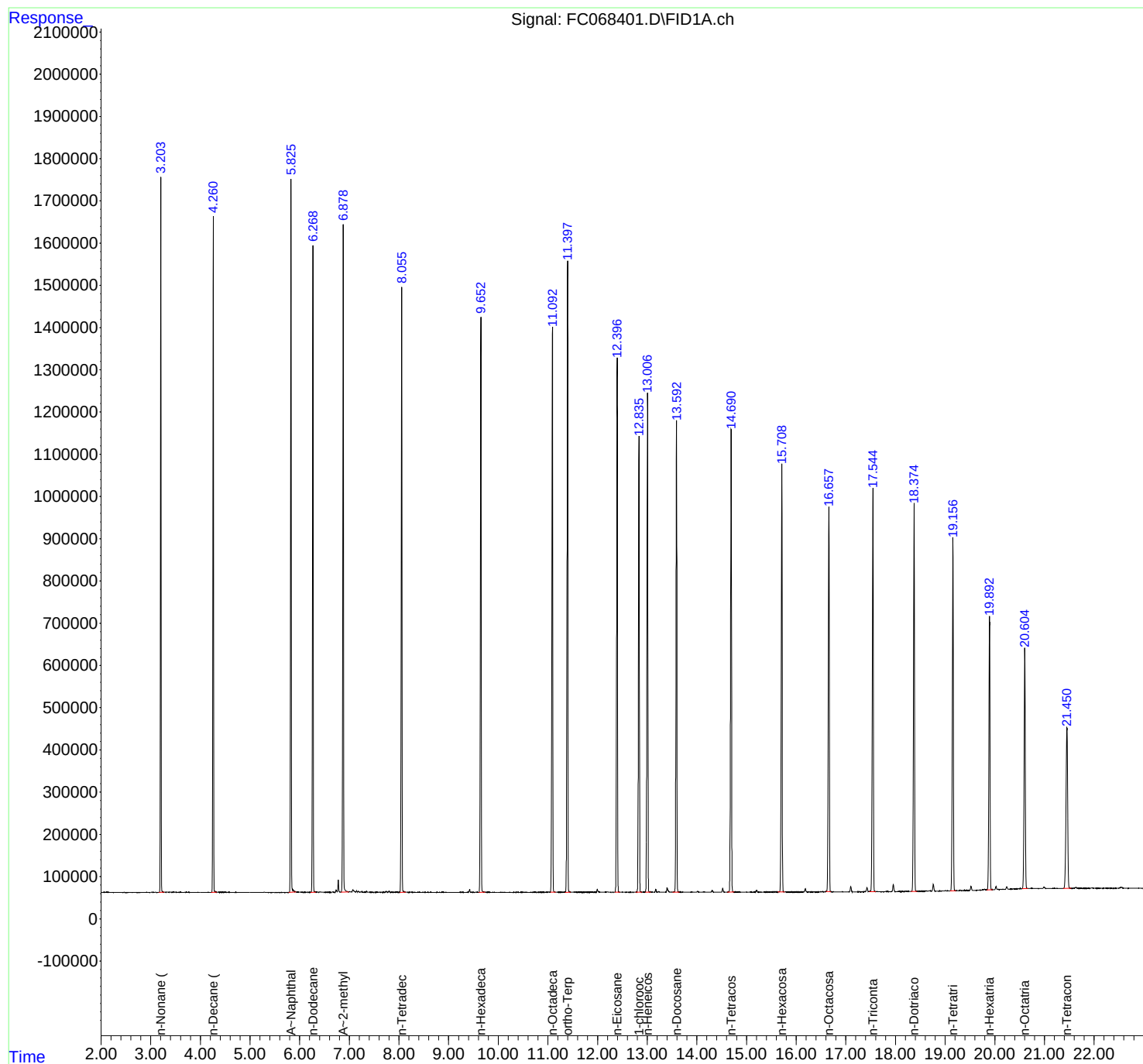
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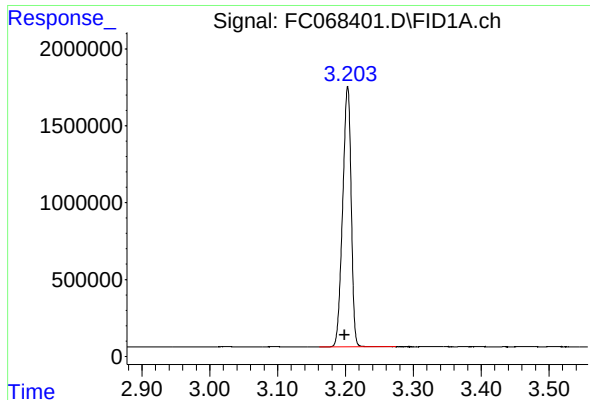
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC032625AL\
Data File : FC068401.D
Signal(s) : FID1A.ch
Acq On : 26 Mar 2025 10:26
Operator : YP/AJ
Sample : 100 PPM ALIPHATIC HC STD1
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1

Integration File: autoint1.e
Quant Time: Mar 26 13:11:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Quant Title : GC Extractables
QLast Update : Wed Mar 26 13:10:46 2025
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)

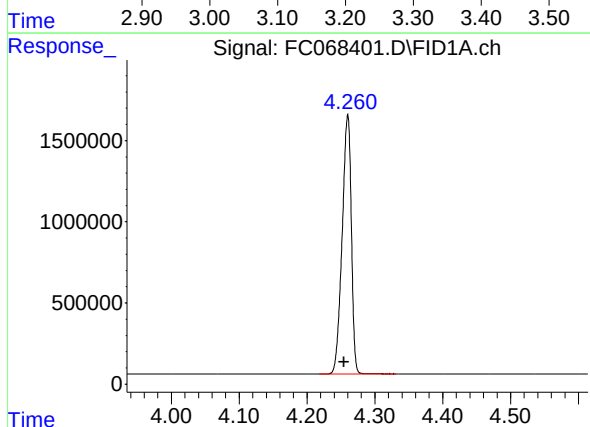
R.T.: 3.203 min
Delta R.T.: 0.004 min
Response: 14755216
Conc: 88.98 ug/ml

Instrument :

FID_C

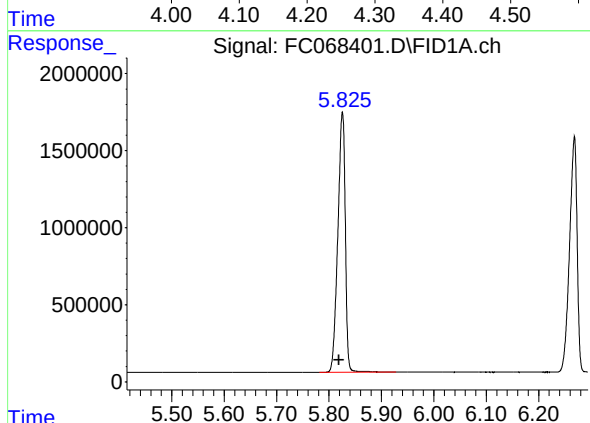
ClientSampleId :

100 PPM ALIPHATIC HC STD1



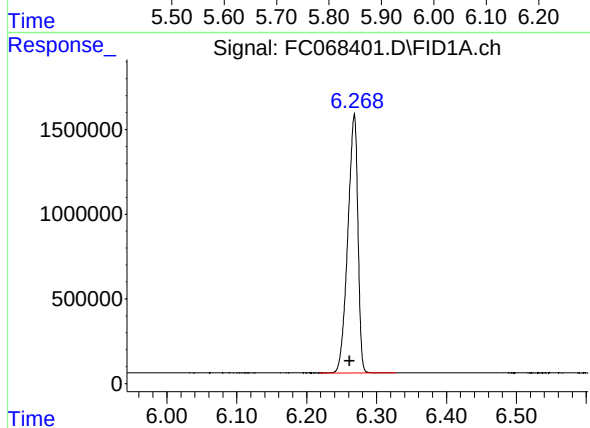
#2 n-Decane (C10)

R.T.: 4.260 min
Delta R.T.: 0.005 min
Response: 15026852
Conc: 89.12 ug/ml



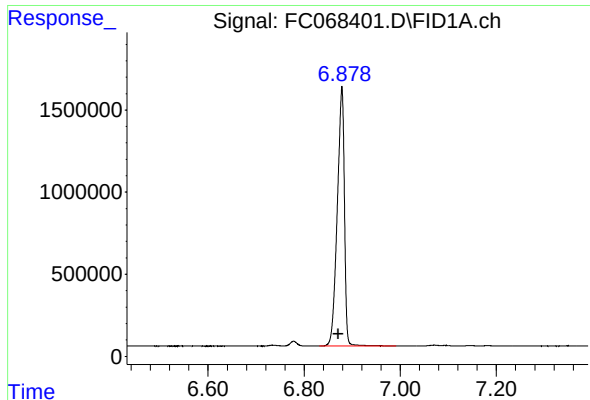
#3 A~Naphthalene (C11.7)

R.T.: 5.825 min
Delta R.T.: 0.006 min
Response: 16689744
Conc: 90.34 ug/ml



#4 n-Dodecane (C12)

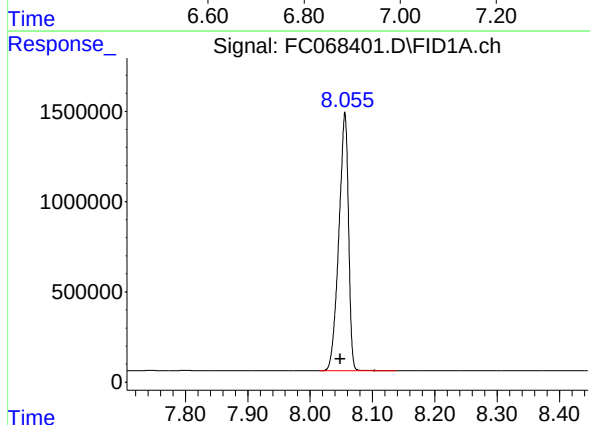
R.T.: 6.267 min
Delta R.T.: 0.006 min
Response: 15304699
Conc: 89.49 ug/ml



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

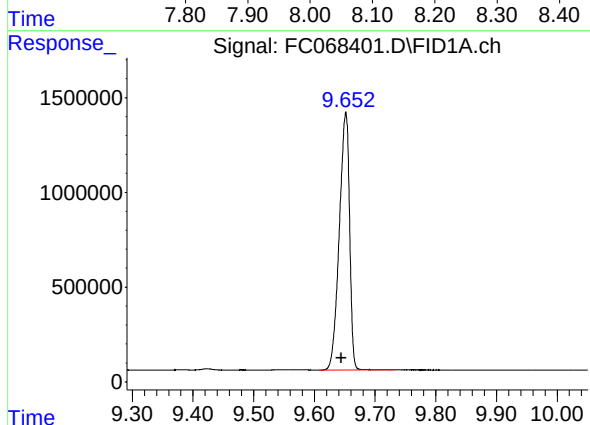
R.T.: 6.878 min
Delta R.T.: 0.007 min
Response: 16293302
Conc: 91.37 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



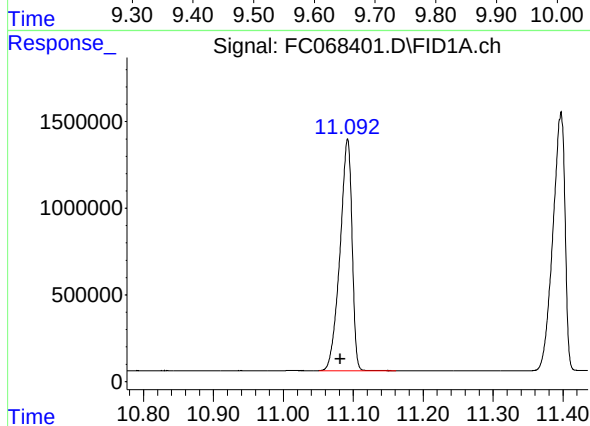
#6 n-Tetradecane (C14)

R.T.: 8.055 min
Delta R.T.: 0.007 min
Response: 15405712
Conc: 89.85 ug/ml



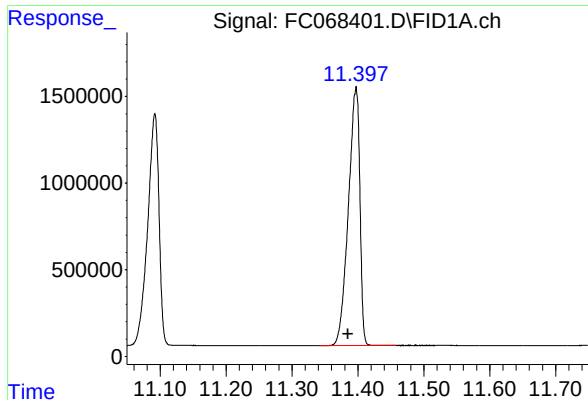
#7 n-Hexadecane (C16)

R.T.: 9.651 min
Delta R.T.: 0.007 min
Response: 15960315
Conc: 88.86 ug/ml



#8 n-Octadecane (C18)

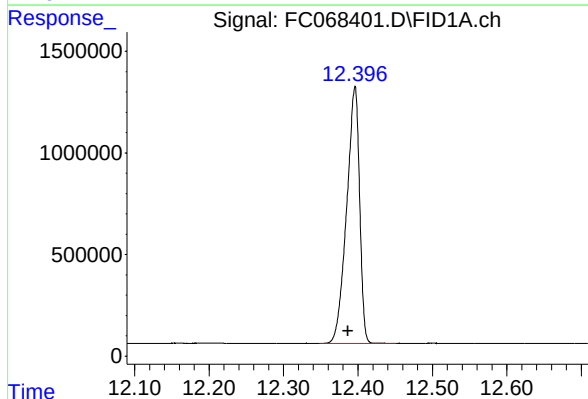
R.T.: 11.091 min
Delta R.T.: 0.010 min
Response: 16014633
Conc: 87.30 ug/ml



#9 ortho-Terphenyl (SURR)

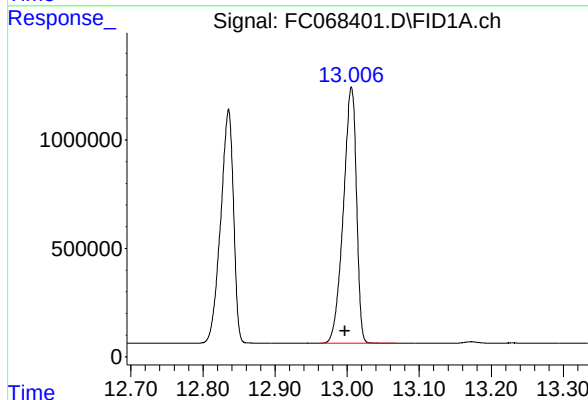
R.T.: 11.397 min
Delta R.T.: 0.012 min
Response: 18022152
Conc: 87.14 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



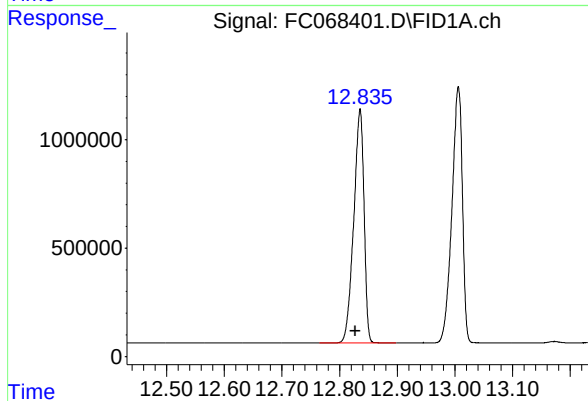
#10 n-Eicosane (C20)

R.T.: 12.395 min
Delta R.T.: 0.009 min
Response: 15259809
Conc: 85.61 ug/ml



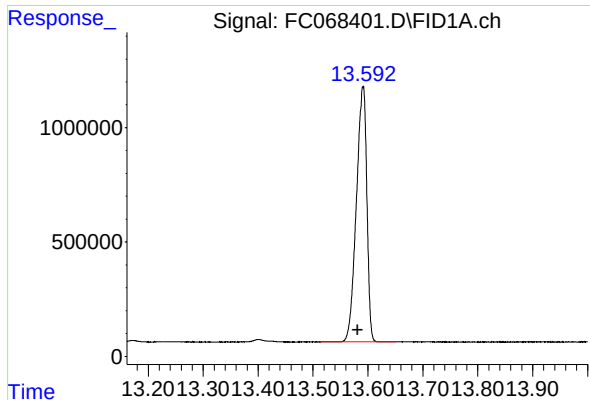
#11 n-Heneicosane (C21)

R.T.: 13.006 min
Delta R.T.: 0.009 min
Response: 14940993
Conc: 85.39 ug/ml



#12 1-chlorooctadecane (SURR)

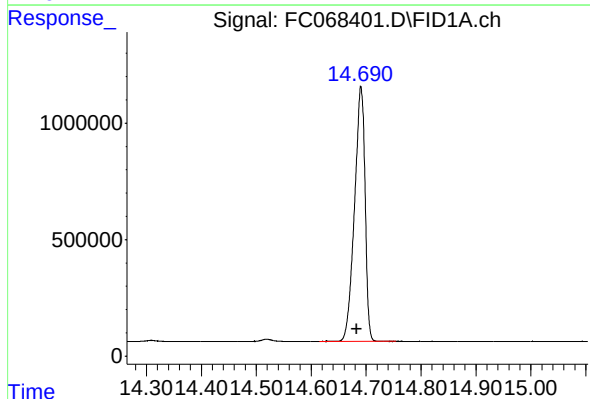
R.T.: 12.835 min
Delta R.T.: 0.008 min
Response: 13391425
Conc: 85.93 ug/ml



#13 n-Docosane (C22)

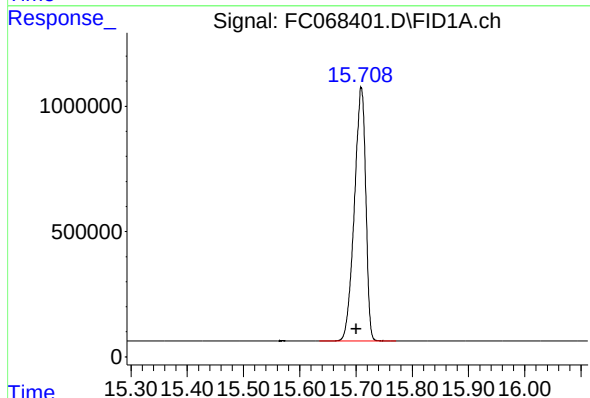
R.T.: 13.591 min
Delta R.T.: 0.009 min
Response: 14810036
Conc: 84.83 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



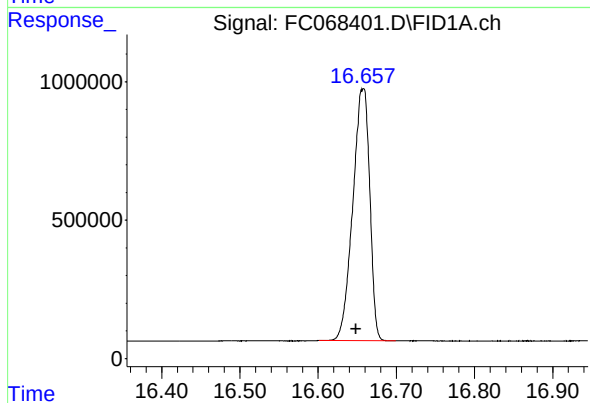
#14 n-Tetracosane (C24)

R.T.: 14.691 min
Delta R.T.: 0.008 min
Response: 14604400
Conc: 83.90 ug/ml



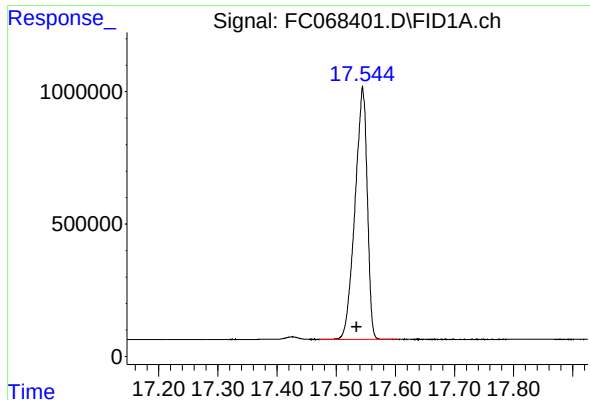
#15 n-Hexacosane (C26)

R.T.: 15.709 min
Delta R.T.: 0.009 min
Response: 14222474
Conc: 83.55 ug/ml



#16 n-Octacosane (C28)

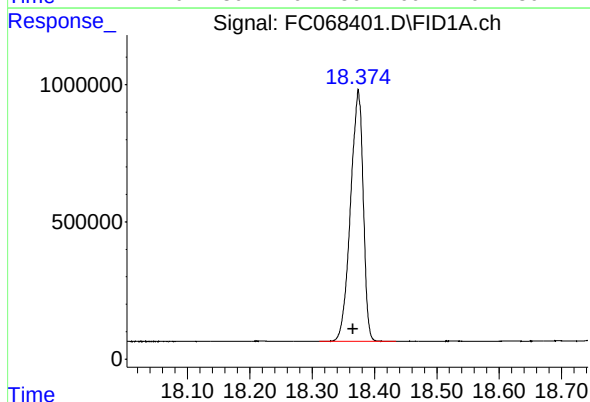
R.T.: 16.657 min
Delta R.T.: 0.009 min
Response: 13733998
Conc: 81.65 ug/ml



#17 n-Tricontane (C30)

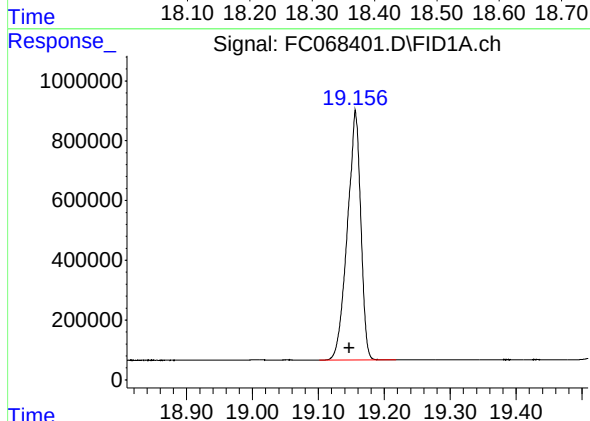
R.T.: 17.545 min
Delta R.T.: 0.010 min
Response: 13722934
Conc: 78.33 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



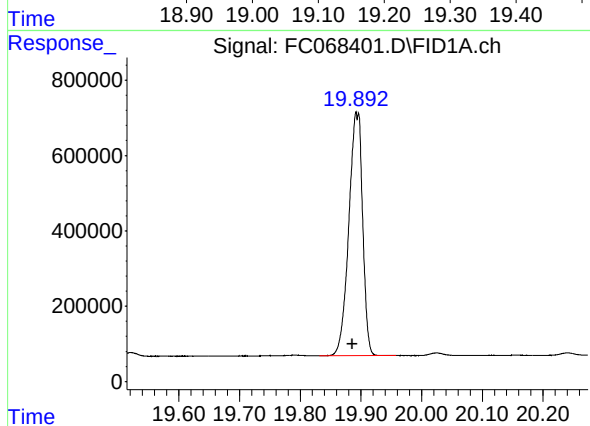
#18 n-Dotriacontane (C32)

R.T.: 18.374 min
Delta R.T.: 0.008 min
Response: 12956119
Conc: 76.43 ug/ml



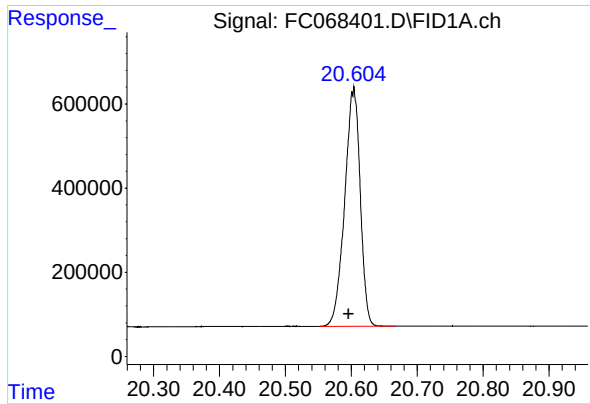
#19 n-Tetratriacontane (C34)

R.T.: 19.156 min
Delta R.T.: 0.009 min
Response: 11776981
Conc: 77.99 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.893 min
Delta R.T.: 0.008 min
Response: 10216728
Conc: 80.55 ug/ml



#21 n-Octatriacontane (C38)

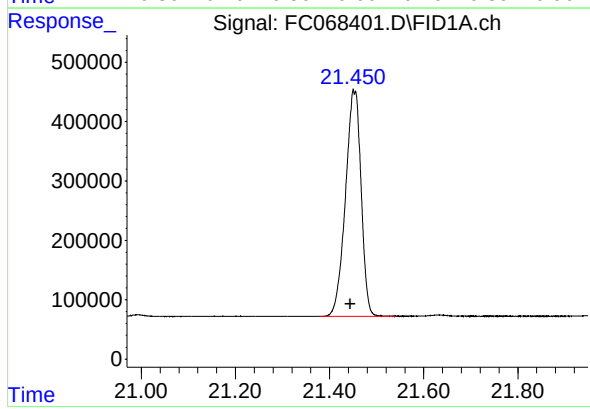
R.T.: 20.603 min
Delta R.T.: 0.008 min
Response: 9266089
Conc: 82.73 ug/ml

Instrument :

FID_C

ClientSampleId :

100 PPM ALIPHATIC HC STD1



#22 n-Tetracontane (C40)

R.T.: 21.453 min
Delta R.T.: 0.008 min
Response: 8770167
Conc: 85.32 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC032625AL\
Data File : FC068401.D
Signal(s) : FID1A.ch
Acq On : 26 Mar 2025 10:26
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 032625.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	3.203	3.161	3.274	BB	1719447	14755216	81.87%	4.742%
2	4.260	4.218	4.331	BB	1625059	15026852	83.38%	4.830%
3	5.825	5.781	5.928	BB	1681263	16689744	92.61%	5.364%
4	6.267	6.218	6.328	BB	1530304	15304699	84.92%	4.919%
5	6.878	6.831	6.991	BB	1564426	16293302	90.41%	5.237%
6	8.055	8.014	8.138	BB	1408500	15405712	85.48%	4.951%
7	9.651	9.608	9.734	BB	1357579	15960315	88.56%	5.130%
8	11.091	11.051	11.161	BB	1333868	16014633	88.86%	5.147%
9	11.397	11.341	11.458	BB	1500552	18022152	100.00%	5.792%
10	12.395	12.348	12.451	BB	1252392	15259809	84.67%	4.904%
11	12.835	12.764	12.898	BB	1068260	13391425	74.31%	4.304%
12	13.006	12.961	13.068	BB	1179776	14940993	82.90%	4.802%
13	13.591	13.511	13.651	BB	1126355	14810036	82.18%	4.760%
14	14.691	14.614	14.754	BB	1095361	14604400	81.04%	4.694%
15	15.709	15.634	15.771	BB	1007727	14222474	78.92%	4.571%
16	16.657	16.601	16.699	BBA	911782	13733998	76.21%	4.414%
17	17.545	17.471	17.601	BB	951533	13722934	76.14%	4.410%
18	18.374	18.311	18.434	BB	915155	12956119	71.89%	4.164%
19	19.156	19.101	19.218	BB	825897	11776981	65.35%	3.785%
20	19.893	19.831	19.958	BB	636073	10216728	56.69%	3.284%
21	20.603	20.551	20.668	BB	561524	9266089	51.41%	2.978%
22	21.453	21.378	21.541	BB	380222	8770167	48.66%	2.819%
Sum of corrected areas:						311144777		

Aliphatic EPH 032625.M Wed Mar 26 15:20:51 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC032625AL\
 Data File : FC068402.D
 Signal(s) : FID1A.ch
 Acq On : 26 Mar 2025 11:05
 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: Mar 26 13:12:07 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
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3) T A~Naphthalene (C11.7)	5.821	8815730	47.718 ug/ml
4) T n-Dodecane (C12)	6.263	8106450	47.398 ug/ml
5) T A~2-methylnaphthalene...	6.873	8570514	48.060 ug/ml
6) T n-Tetradecane (C14)	8.050	8121733	47.367 ug/ml
7) T n-Hexadecane (C16)	9.646	8403555	46.785 ug/ml
8) T n-Octadecane (C18)	11.085	8427177	45.938 ug/ml
10) T n-Eicosane (C20)	12.389	8040363	45.110 ug/ml
11) T n-Heneicosane (C21)	13.000	7833568	44.768 ug/ml
13) T n-Docosane (C22)	13.585	7826241	44.829 ug/ml
14) T n-Tetracosane (C24)	14.685	7903096	45.404 ug/ml
15) T n-Hexacosane (C26)	15.704	7744438	45.496 ug/ml
16) T n-Octacosane (C28)	16.652	7509178	44.641 ug/ml
17) T n-Tricontane (C30)	17.537	7529162	42.978 ug/ml
18) T n-Dotriacontane (C32)	18.368	7082773	41.783 ug/ml
19) T n-Tetratriacontane (C34)	19.151	6355847	42.092 ug/ml
20) T n-Hexatriacontane (C36)	19.888	5418030	42.719 ug/ml
21) T n-Octatriacontane (C38)	20.599	4849344	43.297 ug/ml
22) T n-Tetracontane (C40)	21.447	4538954	44.155 ug/ml

(f)=RT Delta > 1/2 Window

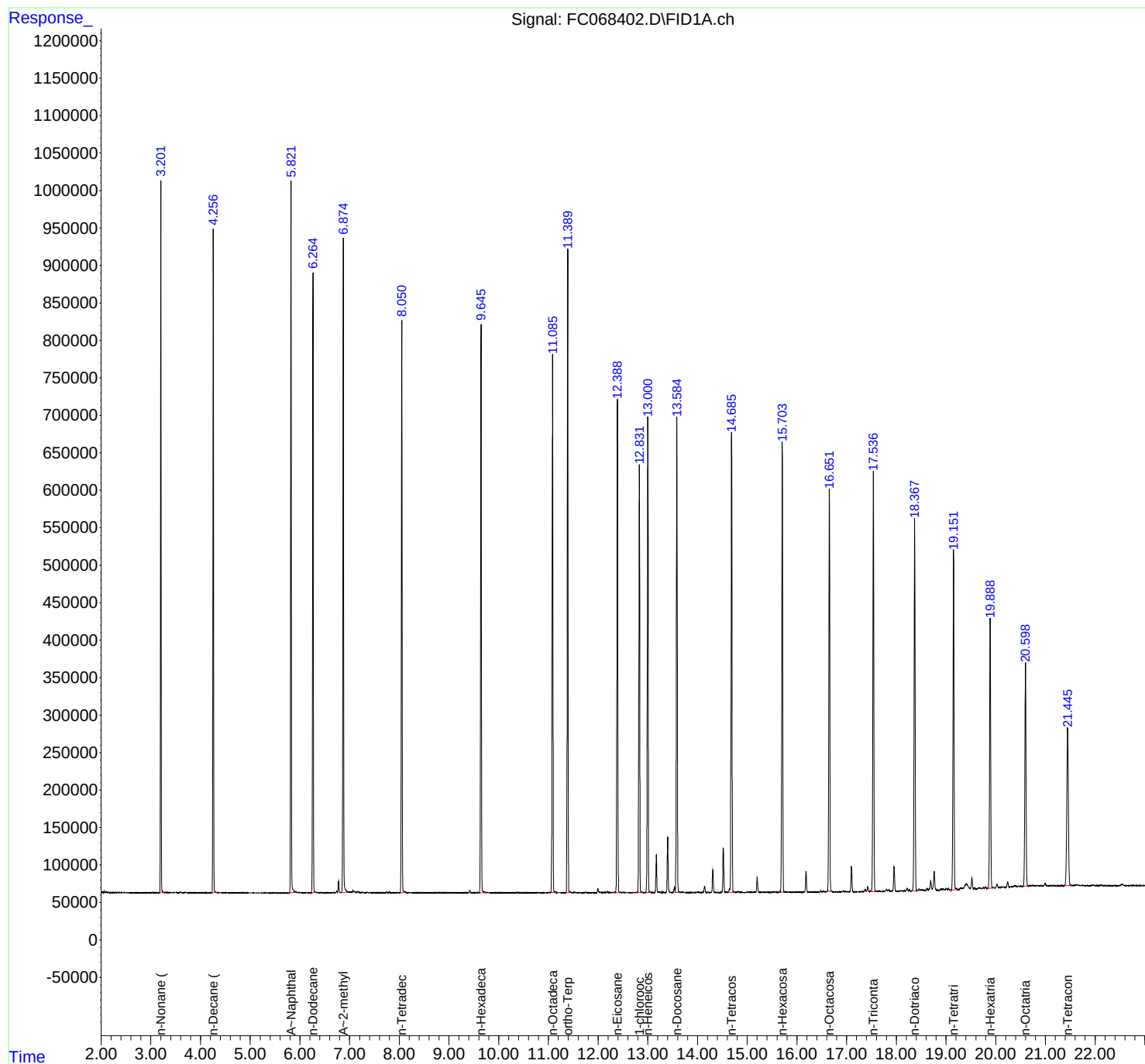
(m)=manual int.

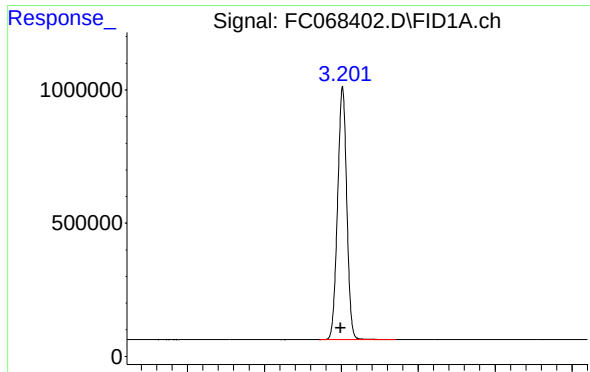
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC032625AL\
Data File : FC068402.D
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Operator : YP/AJ
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Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
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ClientSampleId :
50 PPM ALIPHATIC HC STD2

Integration File: autoint1.e
Quant Time: Mar 26 13:12:07 2025
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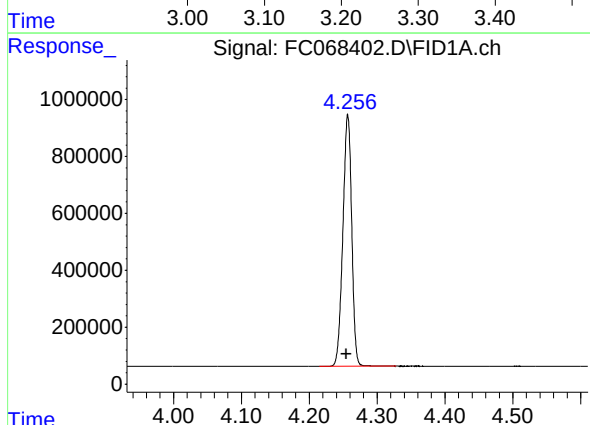




#1 n-Nonane (C9)

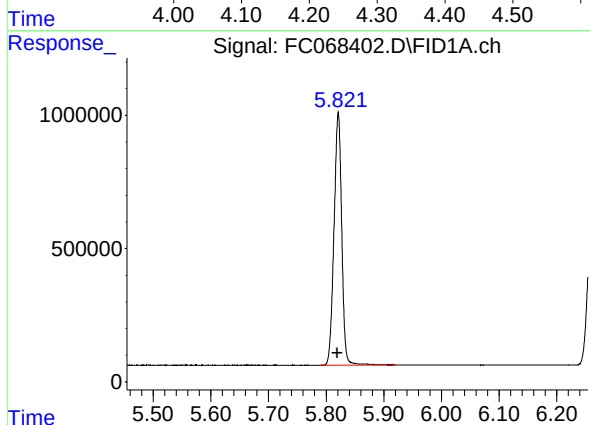
R.T.: 3.202 min
Delta R.T.: 0.003 min
Response: 7855746
Conc: 47.37 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



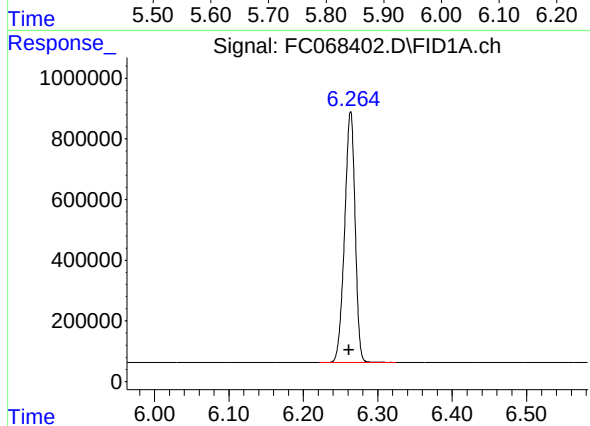
#2 n-Decane (C10)

R.T.: 4.257 min
Delta R.T.: 0.002 min
Response: 7995500
Conc: 47.42 ug/ml



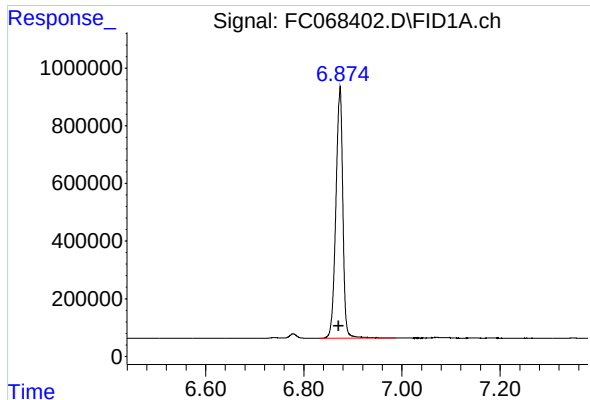
#3 A~Naphthalene (C11.7)

R.T.: 5.821 min
Delta R.T.: 0.002 min
Response: 8815730
Conc: 47.72 ug/ml



#4 n-Dodecane (C12)

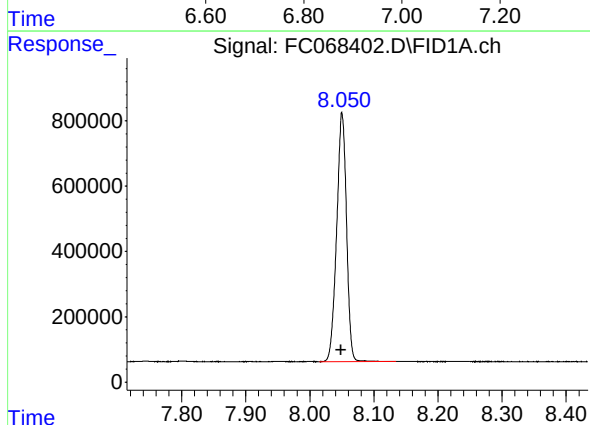
R.T.: 6.263 min
Delta R.T.: 0.002 min
Response: 8106450
Conc: 47.40 ug/ml



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

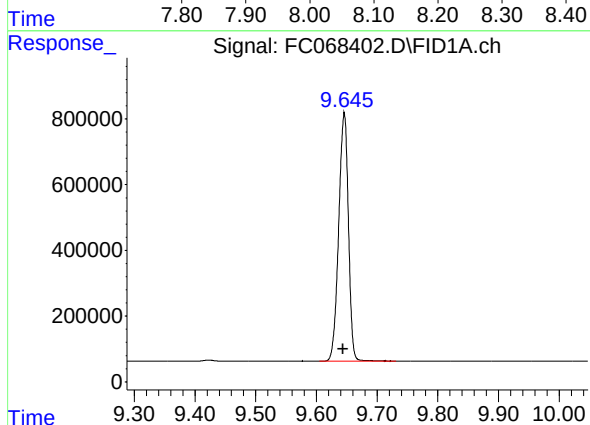
R.T.: 6.873 min
Delta R.T.: 0.003 min
Response: 8570514
Conc: 48.06 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



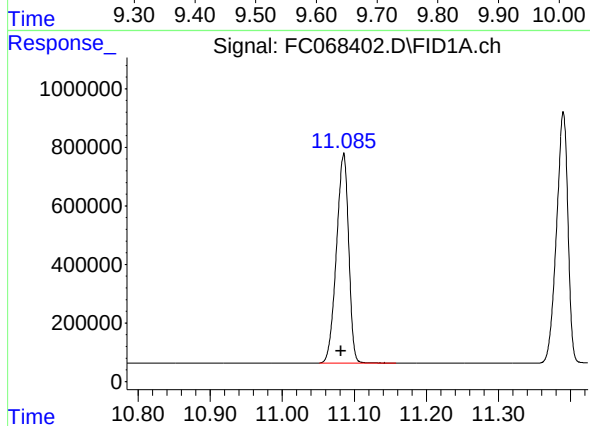
#6 n-Tetradecane (C14)

R.T.: 8.050 min
Delta R.T.: 0.002 min
Response: 8121733
Conc: 47.37 ug/ml



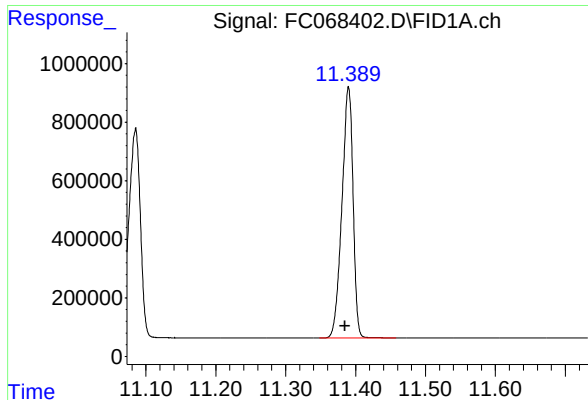
#7 n-Hexadecane (C16)

R.T.: 9.646 min
Delta R.T.: 0.002 min
Response: 8403555
Conc: 46.78 ug/ml



#8 n-Octadecane (C18)

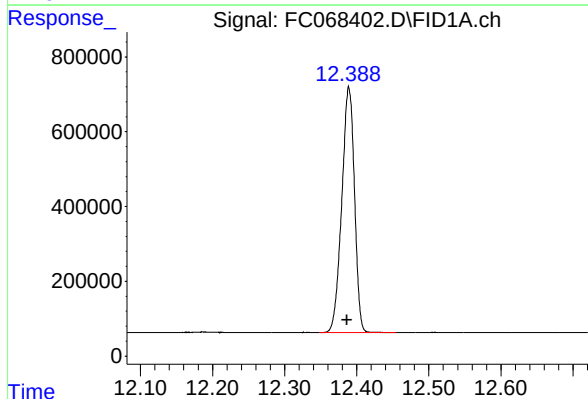
R.T.: 11.085 min
Delta R.T.: 0.003 min
Response: 8427177
Conc: 45.94 ug/ml



#9 ortho-Terphenyl (SURR)

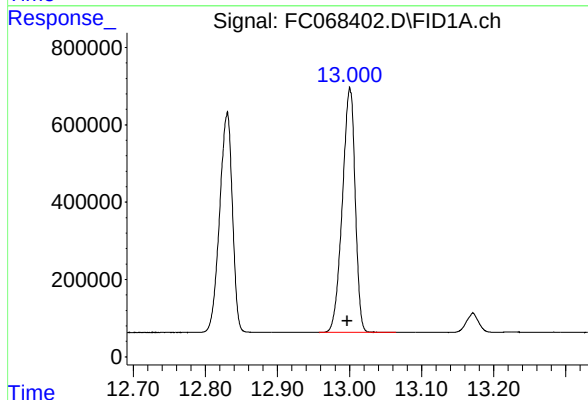
R.T.: 11.390 min
Delta R.T.: 0.005 min
Response: 9464670
Conc: 45.76 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



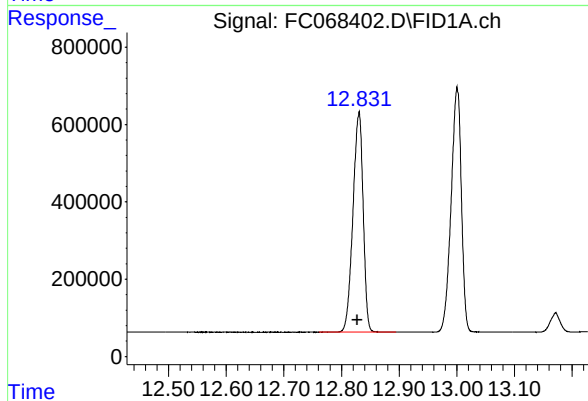
#10 n-Eicosane (C20)

R.T.: 12.389 min
Delta R.T.: 0.003 min
Response: 8040363
Conc: 45.11 ug/ml



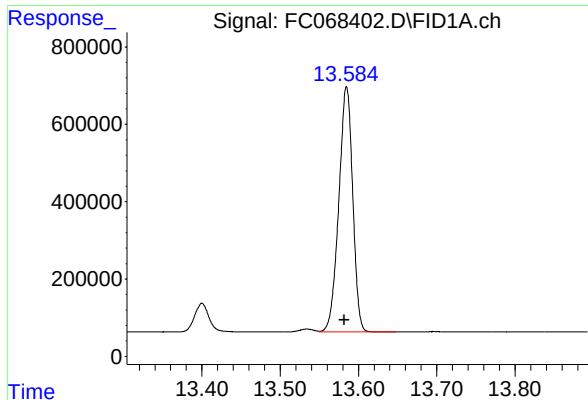
#11 n-Heneicosane (C21)

R.T.: 13.000 min
Delta R.T.: 0.003 min
Response: 7833568
Conc: 44.77 ug/ml



#12 1-chlorooctadecane (SURR)

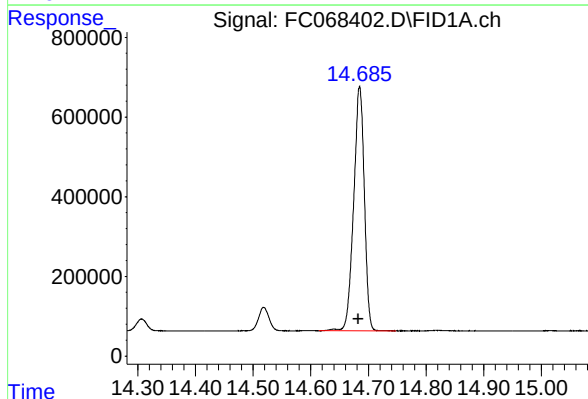
R.T.: 12.830 min
Delta R.T.: 0.003 min
Response: 7002346
Conc: 44.93 ug/ml



#13 n-Docosane (C22)

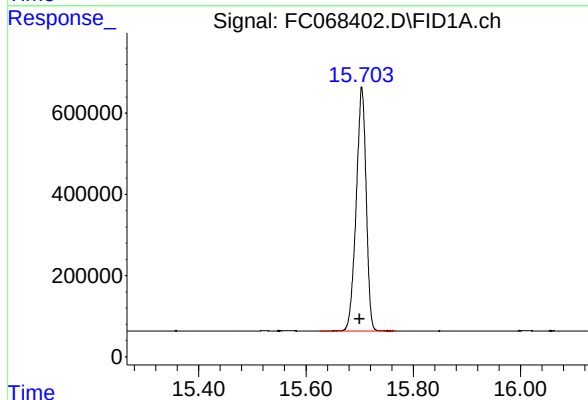
R.T.: 13.585 min
Delta R.T.: 0.003 min
Response: 7826241
Conc: 44.83 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



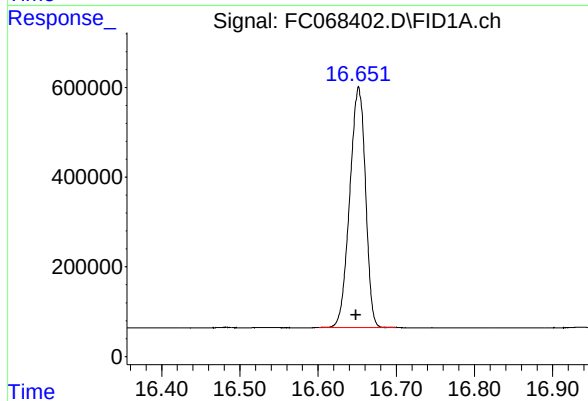
#14 n-Tetracosane (C24)

R.T.: 14.685 min
Delta R.T.: 0.002 min
Response: 7903096
Conc: 45.40 ug/ml



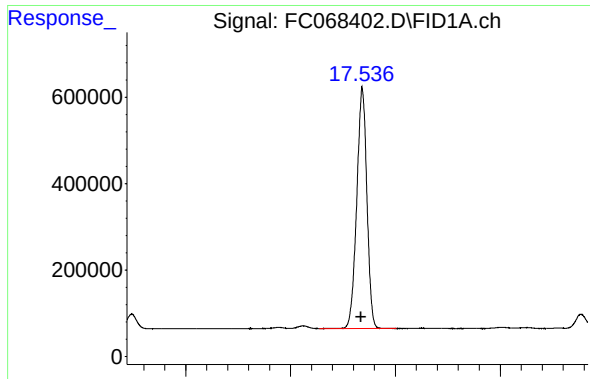
#15 n-Hexacosane (C26)

R.T.: 15.704 min
Delta R.T.: 0.004 min
Response: 7744438
Conc: 45.50 ug/ml



#16 n-Octacosane (C28)

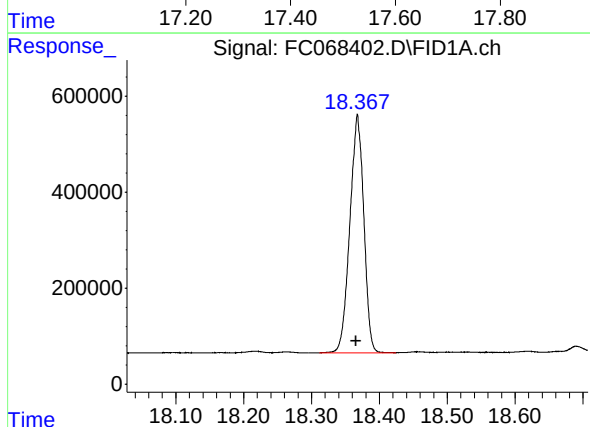
R.T.: 16.652 min
Delta R.T.: 0.003 min
Response: 7509178
Conc: 44.64 ug/ml



#17 n-Tricontane (C30)

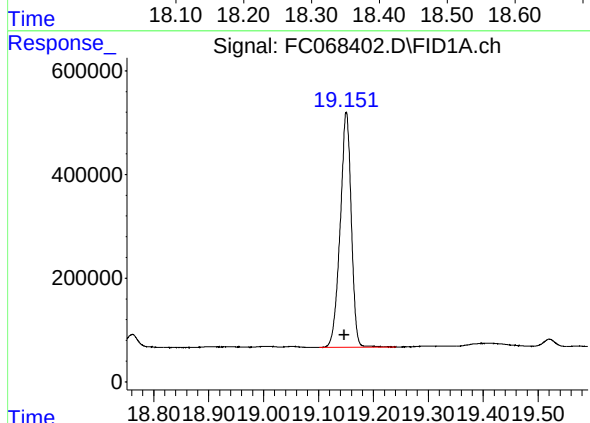
R.T.: 17.537 min
Delta R.T.: 0.003 min
Response: 7529162
Conc: 42.98 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



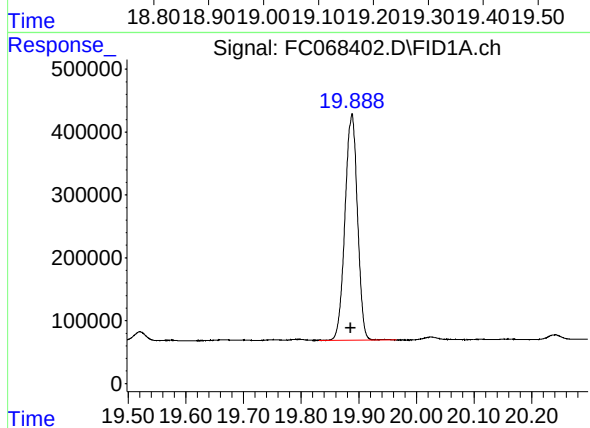
#18 n-Dotriacontane (C32)

R.T.: 18.368 min
Delta R.T.: 0.002 min
Response: 7082773
Conc: 41.78 ug/ml



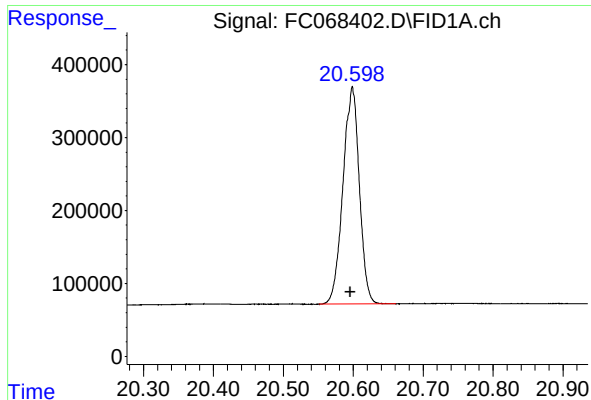
#19 n-Tetatriacontane (C34)

R.T.: 19.151 min
Delta R.T.: 0.003 min
Response: 6355847
Conc: 42.09 ug/ml



#20 n-Hexatriacontane (C36)

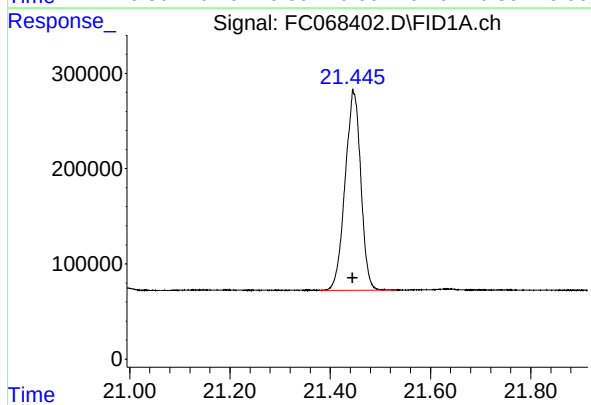
R.T.: 19.888 min
Delta R.T.: 0.002 min
Response: 5418030
Conc: 42.72 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.599 min
Delta R.T.: 0.003 min
Response: 4849344
Conc: 43.30 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



#22 n-Tetracontane (C40)

R.T.: 21.447 min
Delta R.T.: 0.002 min
Response: 4538954
Conc: 44.16 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC032625AL\
Data File : FC068402.D
Signal(s) : FID1A.ch
Acq On : 26 Mar 2025 11:05
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 032625.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	3.202	3.171	3.271	BB	944694	7855746	83.00%	4.750%
2	4.257	4.214	4.328	BB	886400	7995500	84.48%	4.834%
3	5.821	5.788	5.921	BB	946921	8815730	93.14%	5.330%
4	6.263	6.221	6.324	BB	834713	8106450	85.65%	4.901%
5	6.873	6.831	6.988	BB	878081	8570514	90.55%	5.182%
6	8.050	8.014	8.134	BB	759159	8121733	85.81%	4.911%
7	9.646	9.604	9.731	BB	747325	8403555	88.79%	5.081%
8	11.085	11.051	11.158	BB	711590	8427177	89.04%	5.095%
9	11.390	11.348	11.458	BB	860822	9464670	100.00%	5.722%
10	12.389	12.348	12.454	BB	654201	8040363	84.95%	4.861%
11	12.830	12.761	12.894	BB	572237	7002346	73.98%	4.234%
12	13.000	12.958	13.064	BB	633767	7833568	82.77%	4.736%
13	13.585	13.550	13.648	VB	635349	7826241	82.69%	4.732%
14	14.685	14.614	14.748	BB	614585	7903096	83.50%	4.778%
15	15.704	15.624	15.768	BB	600248	7744438	81.82%	4.682%
16	16.652	16.601	16.699	BBA	533202	7509178	79.34%	4.540%
17	17.537	17.454	17.601	PB	553842	7529162	79.55%	4.552%
18	18.368	18.311	18.424	BV	493502	7082773	74.83%	4.282%
19	19.151	19.101	19.241	BB	454434	6355847	67.15%	3.843%
20	19.888	19.831	19.964	BB	358256	5418030	57.24%	3.276%
21	20.599	20.551	20.661	BB	296533	4849344	51.24%	2.932%
22	21.447	21.378	21.531	BB	206613	4538954	47.96%	2.744%
Sum of corrected areas:						165394413		

Aliphatic EPH 032625.M Wed Mar 26 15:20:27 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC032625AL\
 Data File : FC068403.D
 Signal(s) : FID1A.ch
 Acq On : 26 Mar 2025 11:42
 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: Mar 26 13:12:41 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
 Quant Title : GC Extractables
 QLast Update : Wed Mar 26 13:10:46 2025
 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

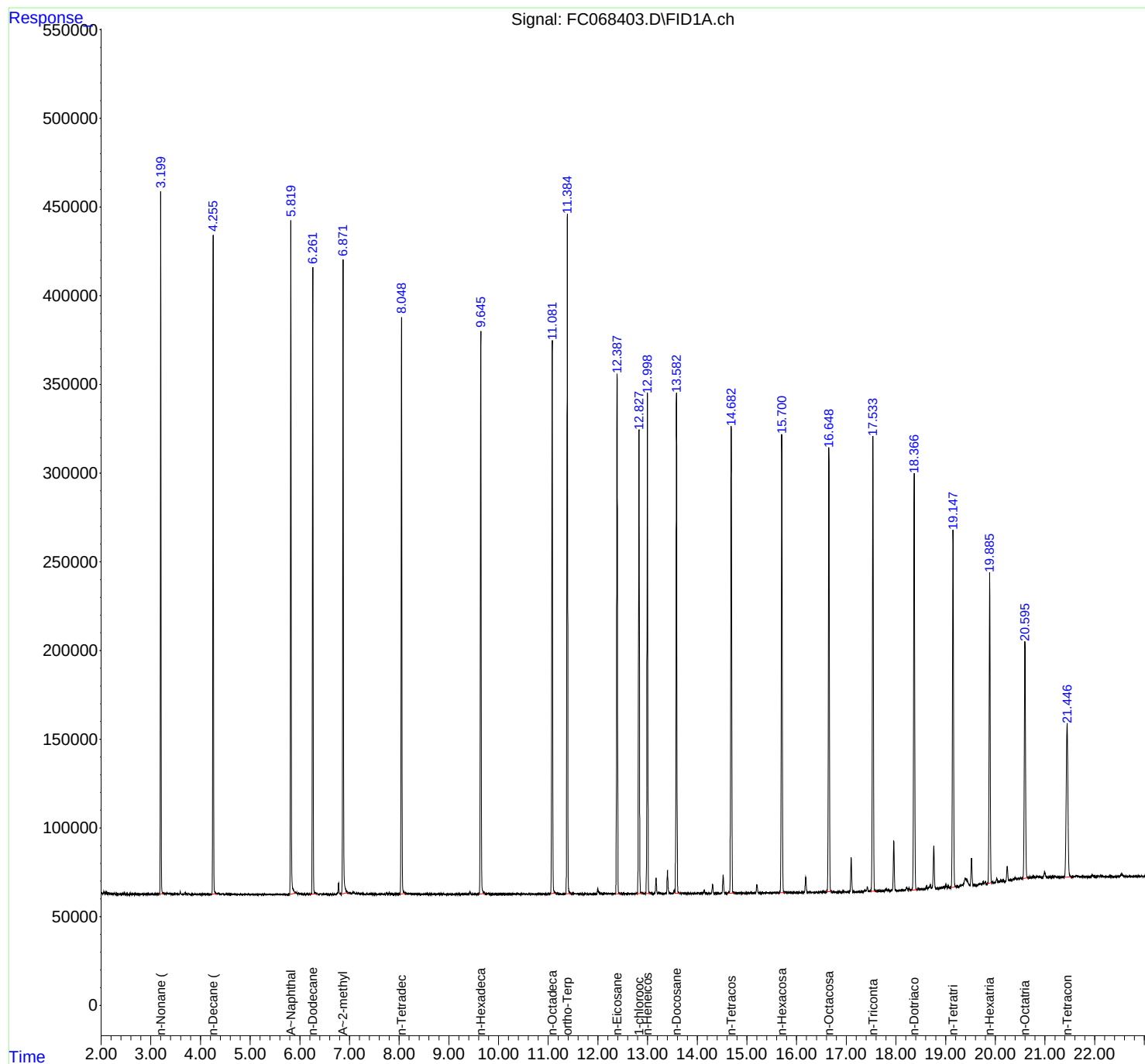
System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.385	4136235	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
12) S 1-chlorooctadecane (S...	12.827	3116874	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
Target Compounds			
1) T n-Nonane (C9)	3.199	3316650	20.000 ug/ml
2) T n-Decane (C10)	4.255	3372128	20.000 ug/ml
3) T A~Naphthalene (C11.7)	5.819	3694929	20.000 ug/ml
4) T n-Dodecane (C12)	6.261	3420609	20.000 ug/ml
5) T A~2-methylnaphthalene...	6.871	3566583	20.000 ug/ml
6) T n-Tetradecane (C14)	8.048	3429304	20.000 ug/ml
7) T n-Hexadecane (C16)	9.644	3592423	20.000 ug/ml
8) T n-Octadecane (C18)	11.081	3668970	20.000 ug/ml
10) T n-Eicosane (C20)	12.387	3564802	20.000 ug/ml
11) T n-Heneicosane (C21)	12.997	3499643	20.000 ug/ml
13) T n-Docosane (C22)	13.582	3491593	20.000 ug/ml
14) T n-Tetracosane (C24)	14.682	3481248	20.000 ug/ml
15) T n-Hexacosane (C26)	15.700	3404454	20.000 ug/ml
16) T n-Octacosane (C28)	16.648	3364263	20.000 ug/ml
17) T n-Tricontane (C30)	17.534	3503743	20.000 ug/ml
18) T n-Dotriacontane (C32)	18.365	3390251	20.000 ug/ml
19) T n-Tetratriacontane (C34)	19.147	3020004	20.000 ug/ml
20) T n-Hexatriacontane (C36)	19.886	2536609	20.000 ug/ml
21) T n-Octatriacontane (C38)	20.596	2240024	20.000 ug/ml
22) T n-Tetracontane (C40)	21.445	2055912	20.000 ug/ml

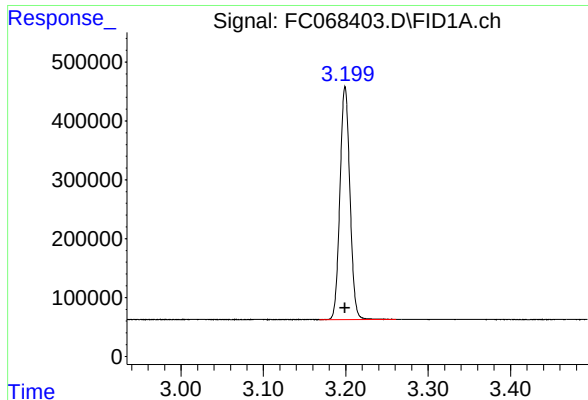
(f)=RT Delta > 1/2 Window

(m)=manual int.

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3

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

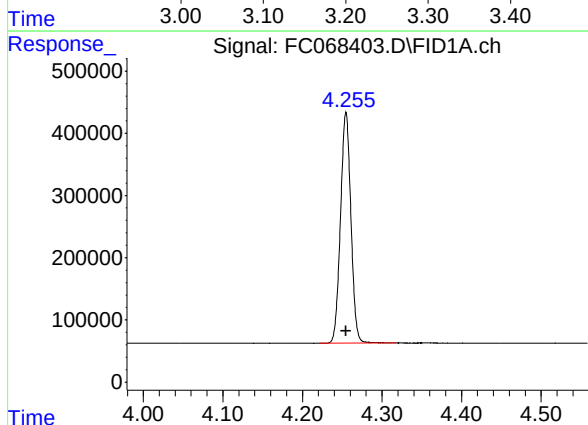




#1 n-Nonane (C9)

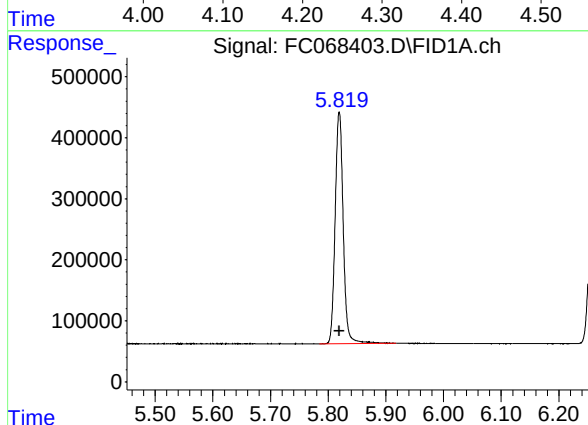
R.T.: 3.199 min
Delta R.T.: 0.000 min
Response: 3316650
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



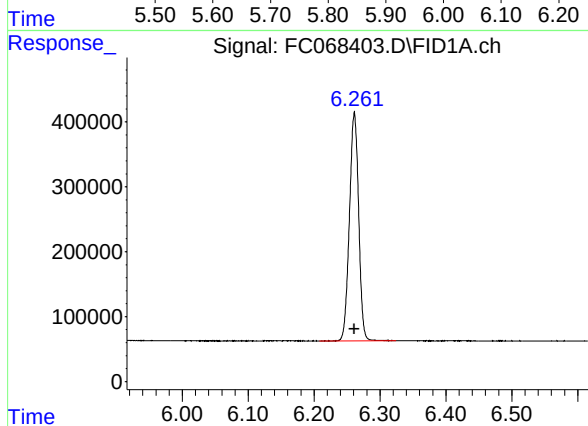
#2 n-Decane (C10)

R.T.: 4.255 min
Delta R.T.: 0.000 min
Response: 3372128
Conc: 20.00 ug/ml



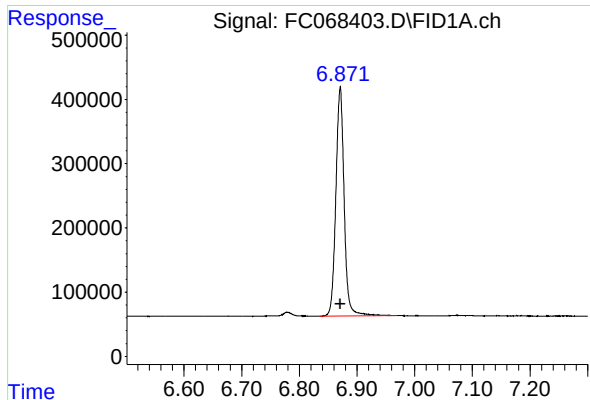
#3 A~Naphthalene (C11.7)

R.T.: 5.819 min
Delta R.T.: 0.000 min
Response: 3694929
Conc: 20.00 ug/ml



#4 n-Dodecane (C12)

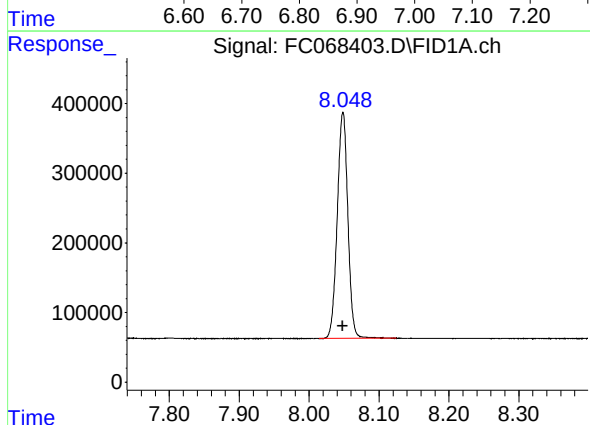
R.T.: 6.261 min
Delta R.T.: 0.000 min
Response: 3420609
Conc: 20.00 ug/ml



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

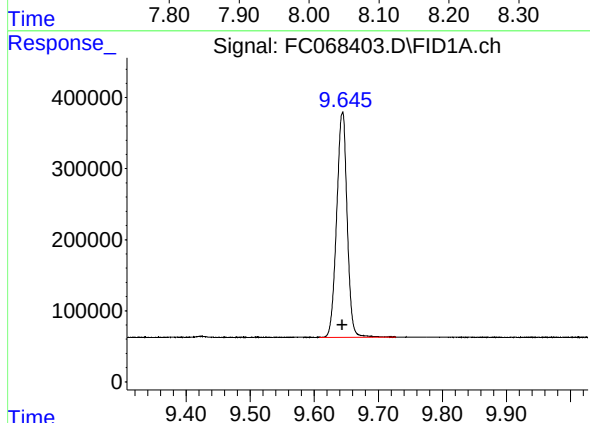
R.T.: 6.871 min
Delta R.T.: 0.000 min
Response: 3566583
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



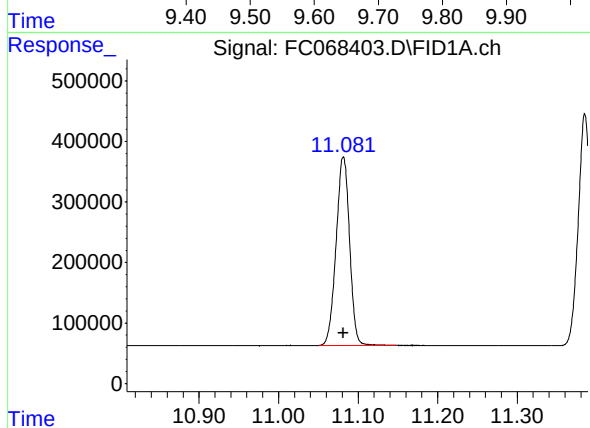
#6 n-Tetradecane (C14)

R.T.: 8.048 min
Delta R.T.: 0.000 min
Response: 3429304
Conc: 20.00 ug/ml



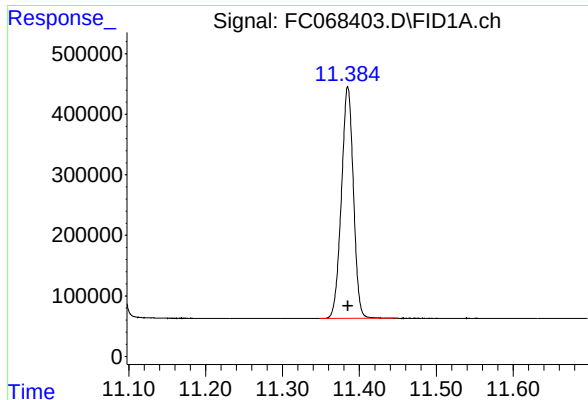
#7 n-Hexadecane (C16)

R.T.: 9.644 min
Delta R.T.: 0.000 min
Response: 3592423
Conc: 20.00 ug/ml



#8 n-Octadecane (C18)

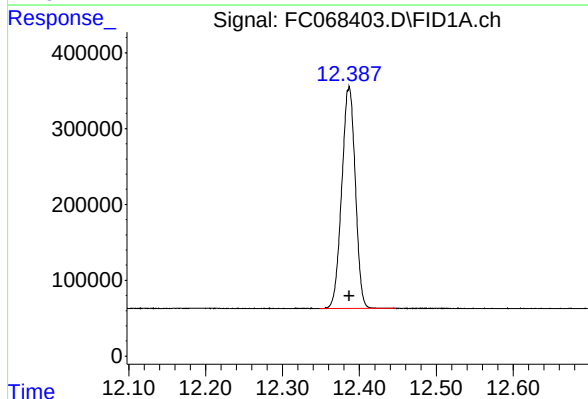
R.T.: 11.081 min
Delta R.T.: 0.000 min
Response: 3668970
Conc: 20.00 ug/ml



#9 ortho-Terphenyl (SURR)

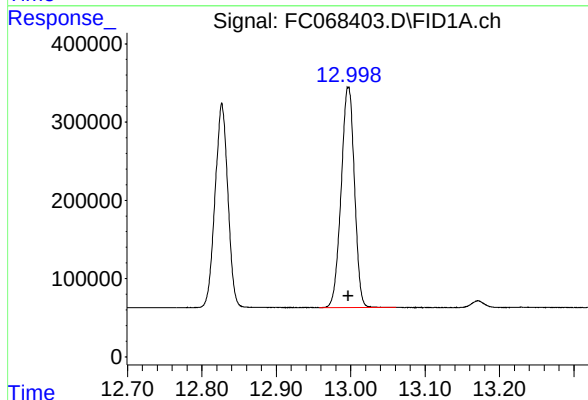
R.T.: 11.385 min
Delta R.T.: 0.000 min
Response: 4136235
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



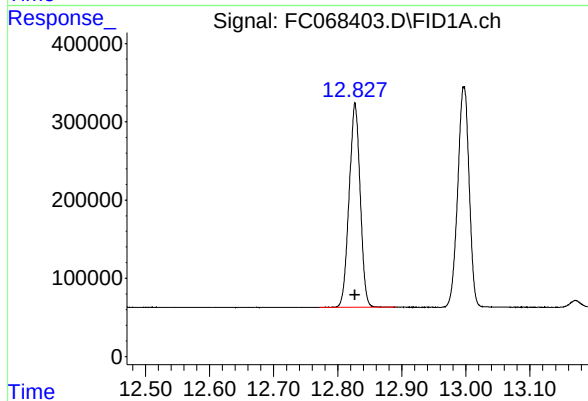
#10 n-Eicosane (C20)

R.T.: 12.387 min
Delta R.T.: 0.000 min
Response: 3564802
Conc: 20.00 ug/ml



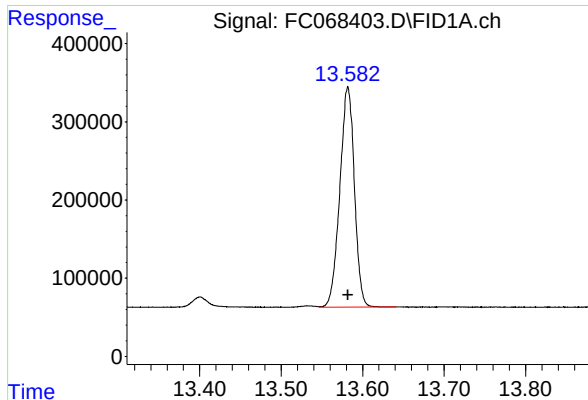
#11 n-Heneicosane (C21)

R.T.: 12.997 min
Delta R.T.: 0.000 min
Response: 3499643
Conc: 20.00 ug/ml



#12 1-chlorooctadecane (SURR)

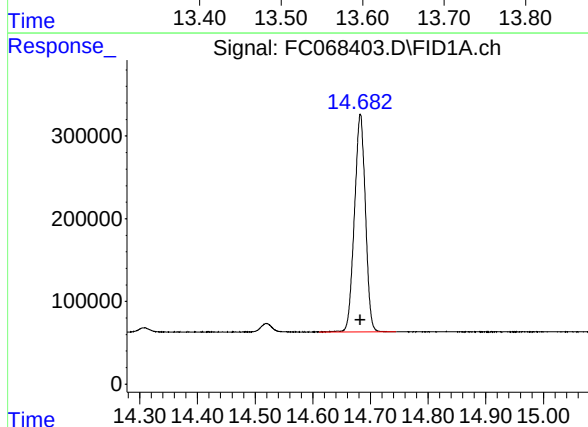
R.T.: 12.827 min
Delta R.T.: 0.000 min
Response: 3116874
Conc: 20.00 ug/ml



#13 n-Docosane (C22)

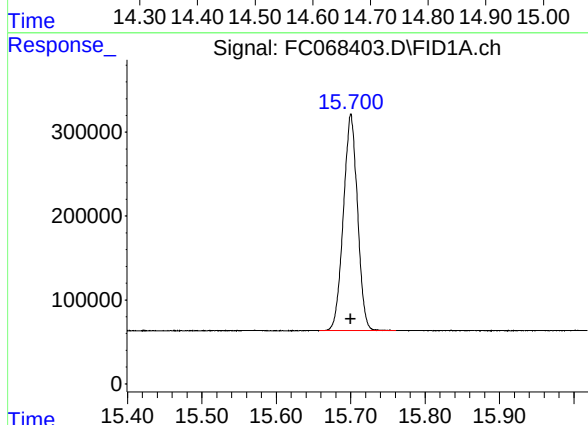
R.T.: 13.582 min
Delta R.T.: 0.000 min
Response: 3491593
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



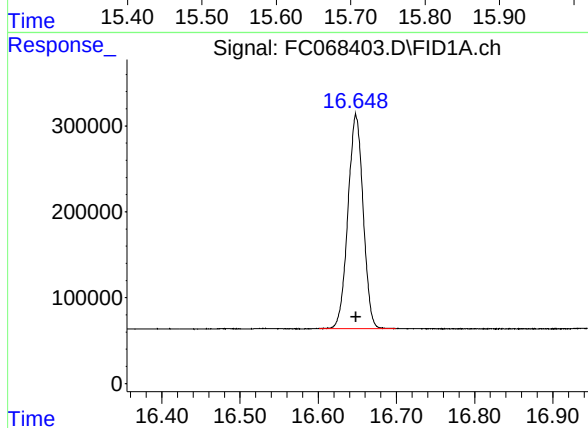
#14 n-Tetracosane (C24)

R.T.: 14.682 min
Delta R.T.: 0.000 min
Response: 3481248
Conc: 20.00 ug/ml



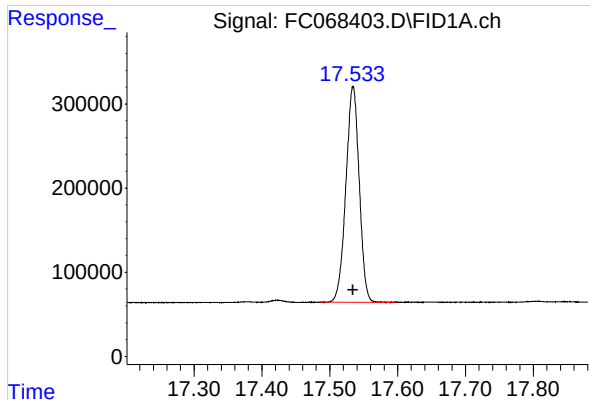
#15 n-Hexacosane (C26)

R.T.: 15.700 min
Delta R.T.: 0.000 min
Response: 3404454
Conc: 20.00 ug/ml



#16 n-Octacosane (C28)

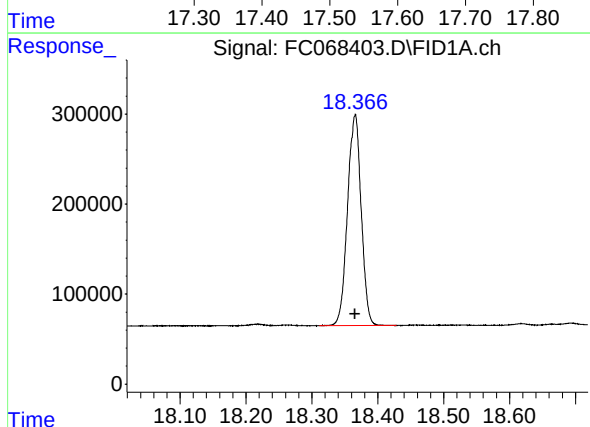
R.T.: 16.648 min
Delta R.T.: 0.000 min
Response: 3364263
Conc: 20.00 ug/ml



#17 n-Tricontane (C30)

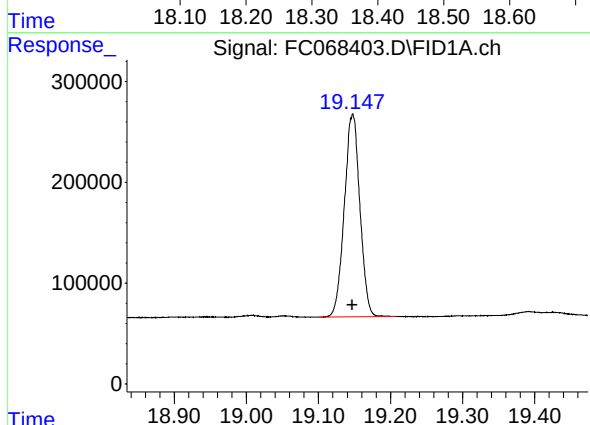
R.T.: 17.534 min
Delta R.T.: 0.000 min
Response: 3503743
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



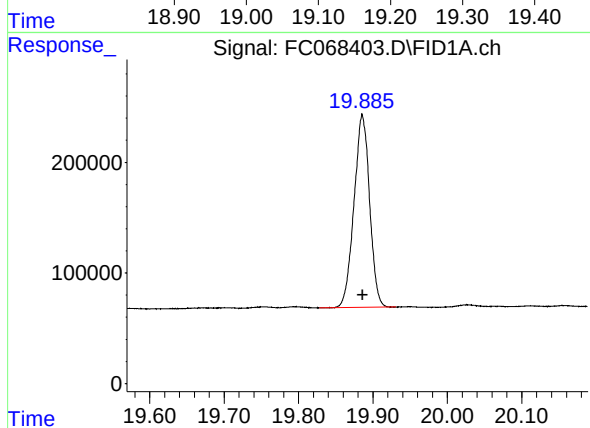
#18 n-Dotriacontane (C32)

R.T.: 18.365 min
Delta R.T.: 0.000 min
Response: 3390251
Conc: 20.00 ug/ml



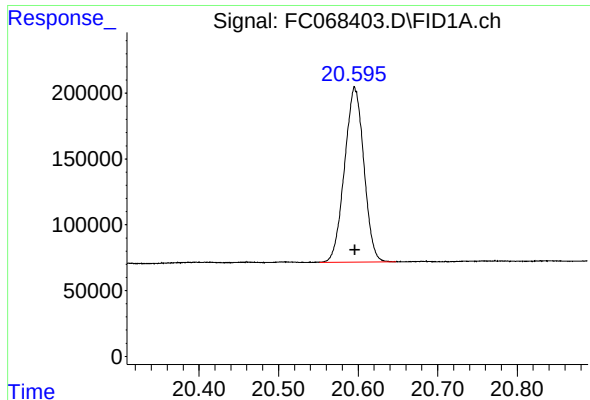
#19 n-Tetatriacontane (C34)

R.T.: 19.147 min
Delta R.T.: 0.000 min
Response: 3020004
Conc: 20.00 ug/ml



#20 n-Hexatriacontane (C36)

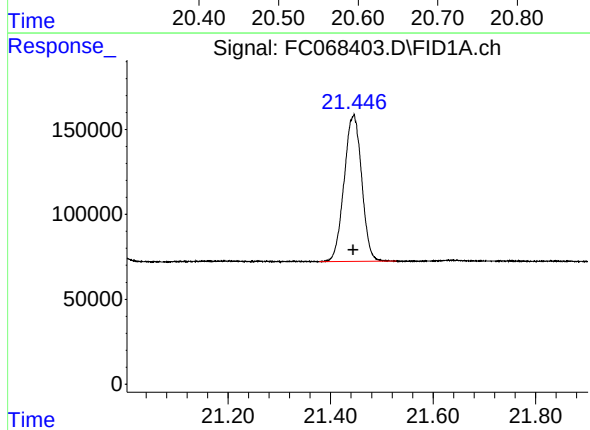
R.T.: 19.886 min
Delta R.T.: 0.000 min
Response: 2536609
Conc: 20.00 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.596 min
Delta R.T.: 0.000 min
Response: 2240024
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



#22 n-Tetracontane (C40)

R.T.: 21.445 min
Delta R.T.: 0.000 min
Response: 2055912
Conc: 20.00 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC032625AL\
 Data File : FC068403.D
 Signal(s) : FID1A.ch
 Acq On : 26 Mar 2025 11:42
 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 032625.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	3.199	3.168	3.261	BB	391897	3316650	80.19%	4.552%
2	4.255	4.221	4.318	BB	370053	3372128	81.53%	4.628%
3	5.819	5.784	5.918	BB	378942	3694929	89.33%	5.071%
4	6.261	6.208	6.324	BB	350271	3420609	82.70%	4.694%
5	6.871	6.834	6.968	BB	355486	3566583	86.23%	4.895%
6	8.048	8.014	8.124	BB	324096	3429304	82.91%	4.706%
7	9.644	9.608	9.728	BB	317980	3592423	86.85%	4.930%
8	11.081	11.051	11.148	BB	312639	3668970	88.70%	5.035%
9	11.385	11.348	11.448	BB	382989	4136235	100.00%	5.676%
10	12.387	12.348	12.448	BB	292059	3564802	86.18%	4.892%
11	12.827	12.771	12.891	BB	259906	3116874	75.36%	4.277%
12	12.997	12.958	13.061	BB	282416	3499643	84.61%	4.803%
13	13.582	13.547	13.641	VB	280961	3491593	84.41%	4.792%
14	14.682	14.611	14.744	BB	261965	3481248	84.16%	4.778%
15	15.700	15.658	15.761	BB	257212	3404454	82.31%	4.672%
16	16.648	16.601	16.699	BBA	248532	3364263	81.34%	4.617%
17	17.534	17.484	17.598	BB	256544	3503743	84.71%	4.808%
18	18.365	18.311	18.428	BB	232854	3390251	81.96%	4.653%
19	19.147	19.101	19.208	BB	200496	3020004	73.01%	4.145%
20	19.886	19.828	19.931	BB	173623	2536609	61.33%	3.481%
21	20.596	20.551	20.648	BB	132667	2240024	54.16%	3.074%
22	21.445	21.378	21.528	BB	85789	2055912	49.70%	2.821%
Sum of corrected areas:							72867248	

Aliphatic EPH 032625.M Wed Mar 26 15:19:45 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC032625AL\
 Data File : FC068404.D
 Signal(s) : FID1A.ch
 Acq On : 26 Mar 2025 12:21
 Operator : YP/AJ
 Sample : 10 PPM ALIPHATIC HC STD4
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 10 PPM ALIPHATIC HC STD4

Integration File: autoint1.e
 Quant Time: Mar 26 13:13:12 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
 Quant Title : GC Extractables
 QLast Update : Wed Mar 26 13:10:46 2025
 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)	11.384	2086658	10.090 ug/ml
Spiked Amount 50.000		Recovery =	20.18%
12) S 1-chlorooctadecane (S...	12.826	1580360	10.141 ug/ml
Spiked Amount 50.000		Recovery =	20.28%
Target Compounds			
1) T n-Nonane (C9)	3.200	1652195	9.963 ug/ml
2) T n-Decane (C10)	4.255	1673518	9.926 ug/ml
3) T A~Naphthalene (C11.7)	5.820	1817299	9.837 ug/ml
4) T n-Dodecane (C12)	6.261	1706663	9.979 ug/ml
5) T A~2-methylnaphthalene...	6.871	1740430	9.760 ug/ml
6) T n-Tetradecane (C14)	8.047	1699414	9.911 ug/ml
7) T n-Hexadecane (C16)	9.643	1787303	9.950 ug/ml
8) T n-Octadecane (C18)	11.080	1839600	10.028 ug/ml
10) T n-Eicosane (C20)	12.386	1812535	10.169 ug/ml
11) T n-Heneicosane (C21)	12.996	1781013	10.178 ug/ml
13) T n-Docosane (C22)	13.581	1793771	10.275 ug/ml
14) T n-Tetracosane (C24)	14.681	1816027	10.433 ug/ml
15) T n-Hexacosane (C26)	15.699	1777806	10.444 ug/ml
16) T n-Octacosane (C28)	16.647	1765534	10.496 ug/ml
17) T n-Tricontane (C30)	17.533	1853554	10.580 ug/ml
18) T n-Dotriacontane (C32)	18.365	1792145	10.572 ug/ml
19) T n-Tetratriacontane (C34)	19.146	1586807	10.509 ug/ml
20) T n-Hexatriacontane (C36)	19.886	1308753	10.319 ug/ml
21) T n-Octatriacontane (C38)	20.595	1139413	10.173 ug/ml
22) T n-Tetracontane (C40)	21.443	1032339	10.043 ug/ml

(f)=RT Delta > 1/2 Window

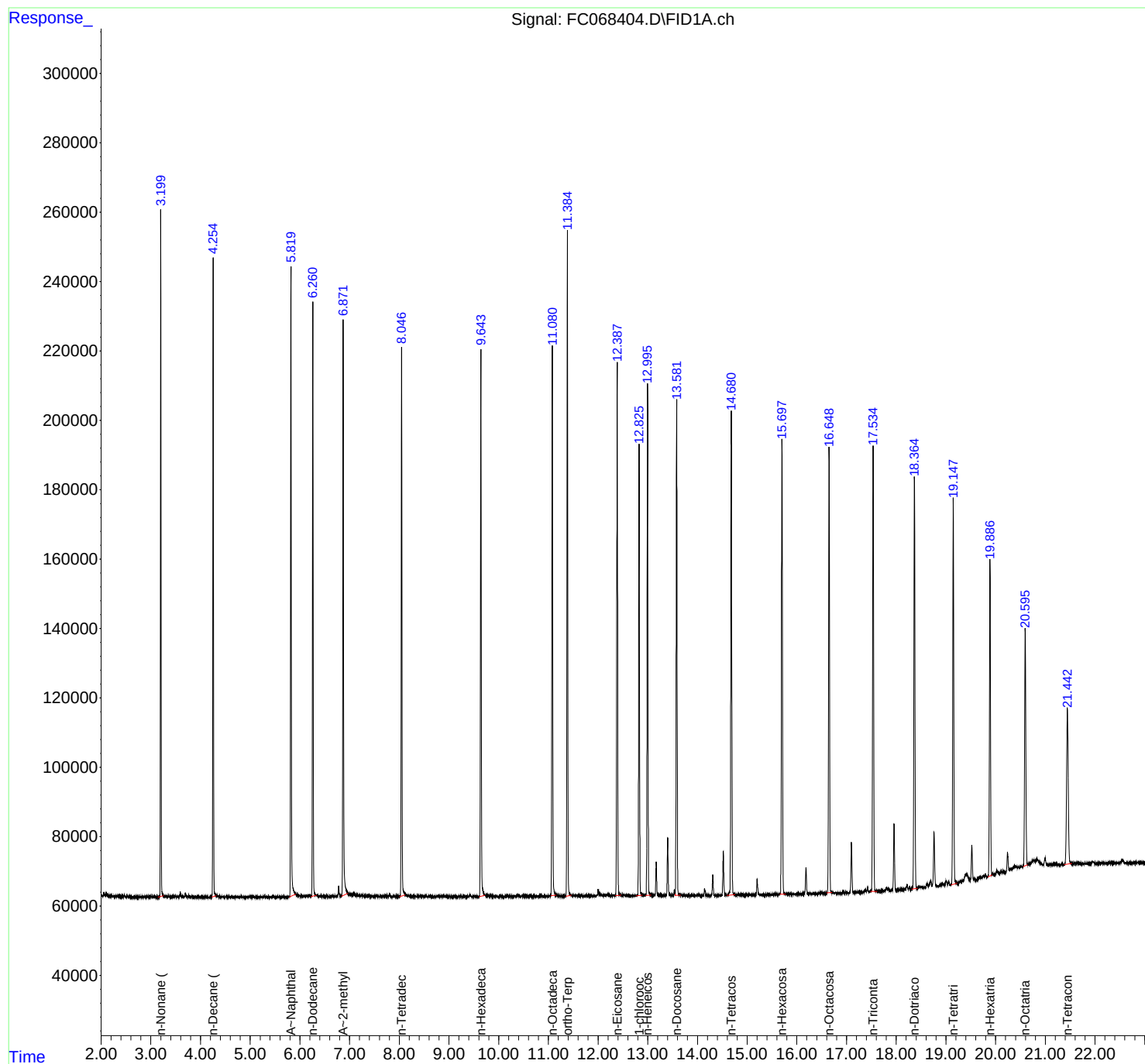
(m)=manual int.

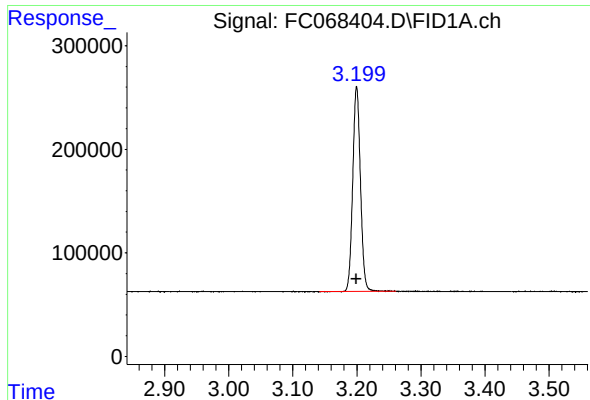
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC032625AL\
Data File : FC068404.D
Signal(s) : FID1A.ch
Acq On : 26 Mar 2025 12:21
Operator : YP/AJ
Sample : 10 PPM ALIPHATIC HC STD4
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4

Integration File: autoint1.e
Quant Time: Mar 26 13:13:12 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Quant Title : GC Extractables
QLast Update : Wed Mar 26 13:10:46 2025
Response via : Initial Calibration
Integrator: ChemStation

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

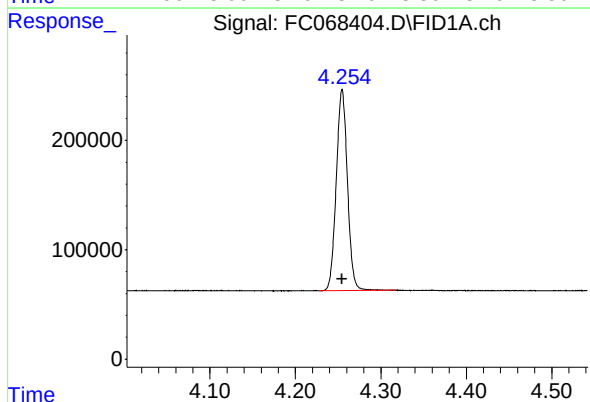




#1 n-Nonane (C9)

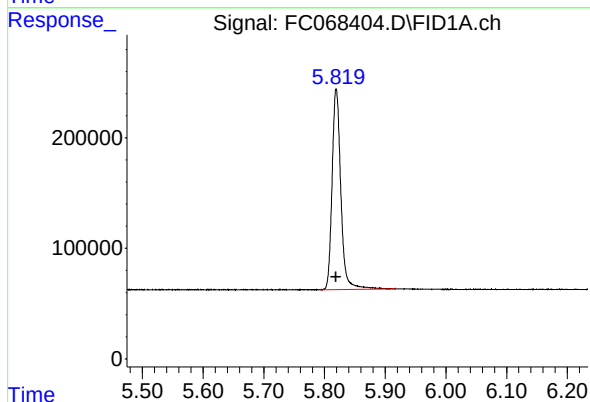
R.T.: 3.200 min
Delta R.T.: 0.000 min
Response: 1652195
Conc: 9.96 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



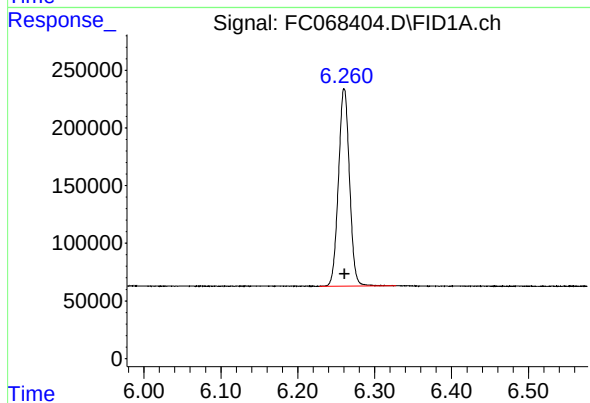
#2 n-Decane (C10)

R.T.: 4.255 min
Delta R.T.: 0.000 min
Response: 1673518
Conc: 9.93 ug/ml



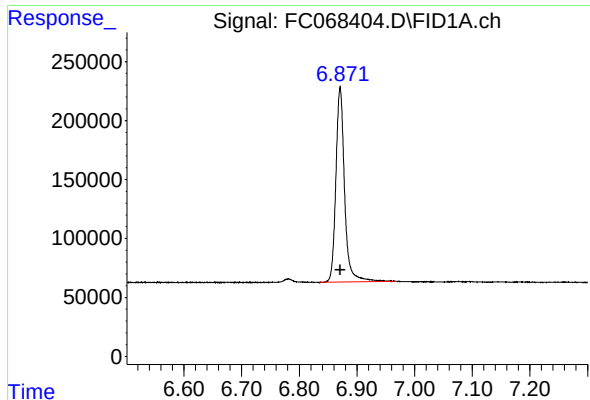
#3 A~Naphthalene (C11.7)

R.T.: 5.820 min
Delta R.T.: 0.000 min
Response: 1817299
Conc: 9.84 ug/ml



#4 n-Dodecane (C12)

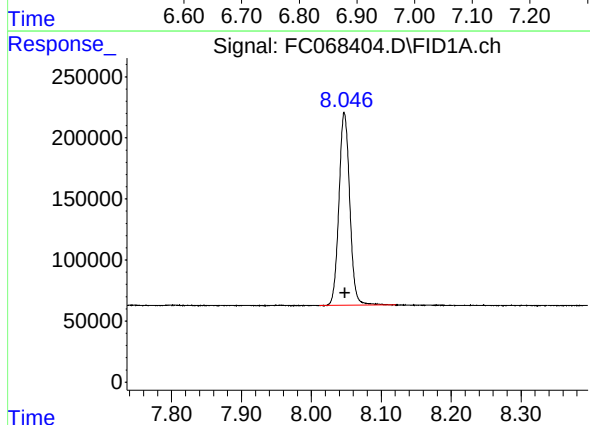
R.T.: 6.261 min
Delta R.T.: 0.000 min
Response: 1706663
Conc: 9.98 ug/ml



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

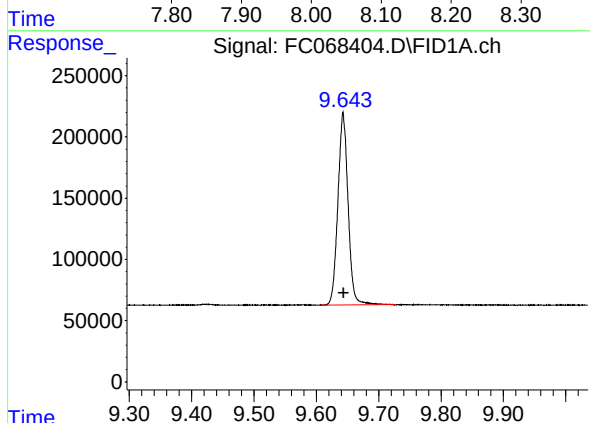
R.T.: 6.871 min
Delta R.T.: 0.000 min
Response: 1740430
Conc: 9.76 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



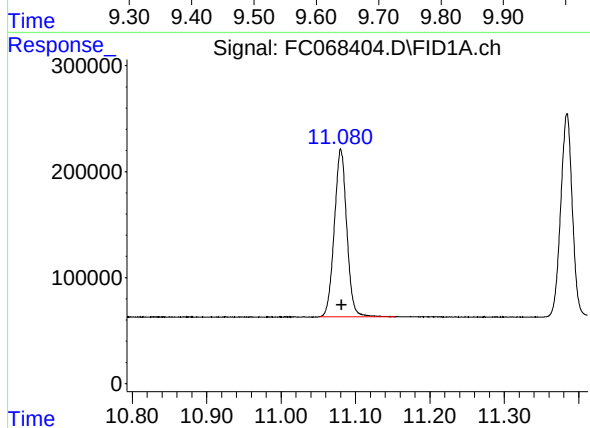
#6 n-Tetradecane (C14)

R.T.: 8.047 min
Delta R.T.: 0.000 min
Response: 1699414
Conc: 9.91 ug/ml



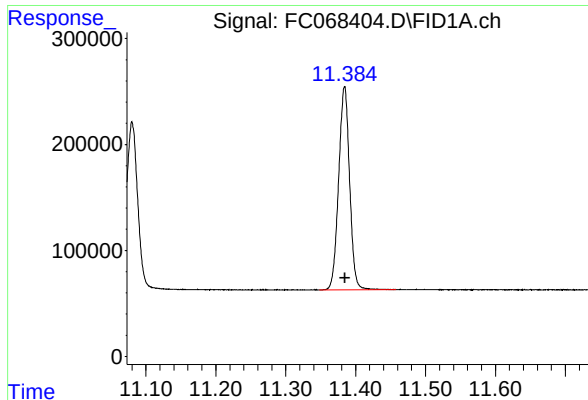
#7 n-Hexadecane (C16)

R.T.: 9.643 min
Delta R.T.: 0.000 min
Response: 1787303
Conc: 9.95 ug/ml



#8 n-Octadecane (C18)

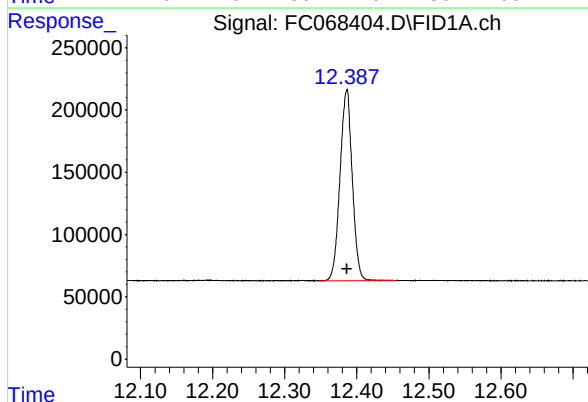
R.T.: 11.080 min
Delta R.T.: -0.001 min
Response: 1839600
Conc: 10.03 ug/ml



#9 ortho-Terphenyl (SURR)

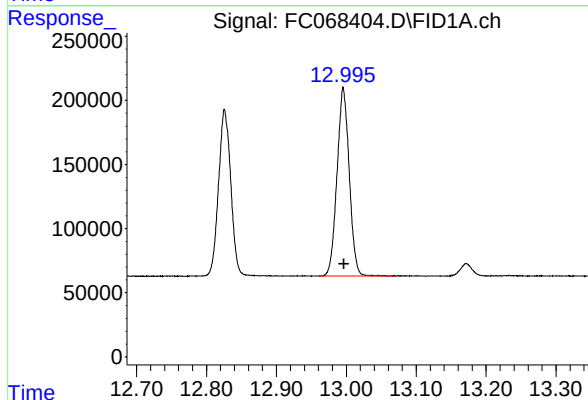
R.T.: 11.384 min
Delta R.T.: 0.000 min
Response: 2086658
Conc: 10.09 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



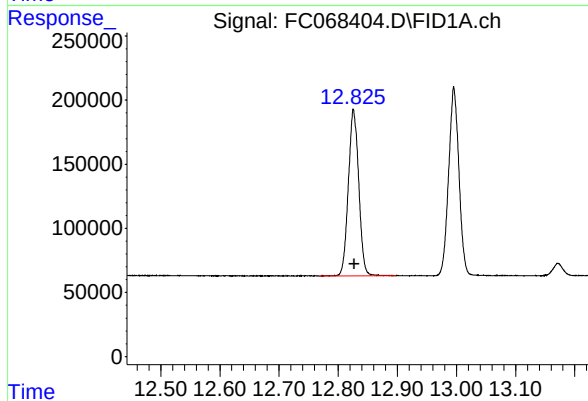
#10 n-Eicosane (C20)

R.T.: 12.386 min
Delta R.T.: 0.000 min
Response: 1812535
Conc: 10.17 ug/ml



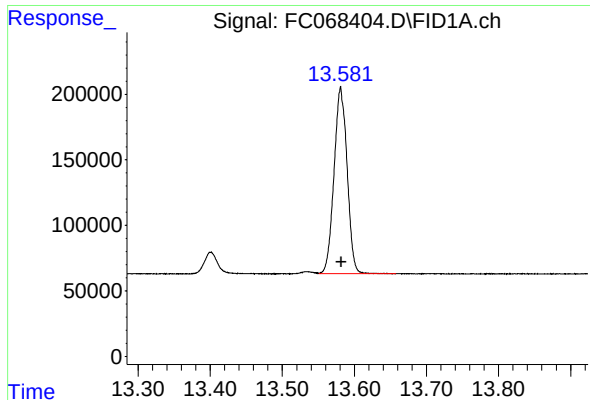
#11 n-Heneicosane (C21)

R.T.: 12.996 min
Delta R.T.: -0.001 min
Response: 1781013
Conc: 10.18 ug/ml



#12 1-chlorooctadecane (SURR)

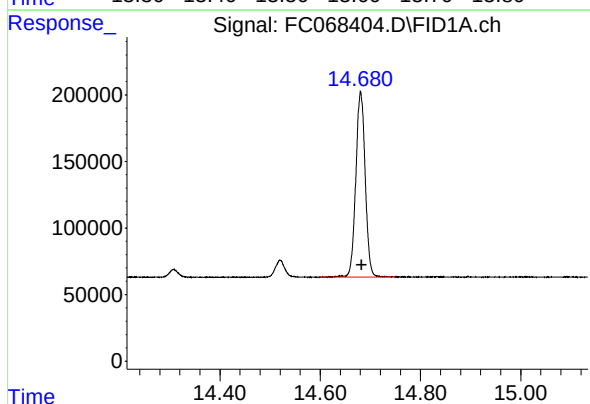
R.T.: 12.826 min
Delta R.T.: 0.000 min
Response: 1580360
Conc: 10.14 ug/ml



#13 n-Docosane (C22)

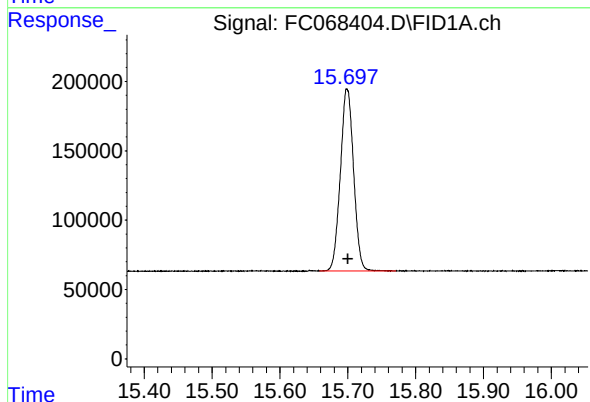
R.T.: 13.581 min
Delta R.T.: 0.000 min
Response: 1793771
Conc: 10.27 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



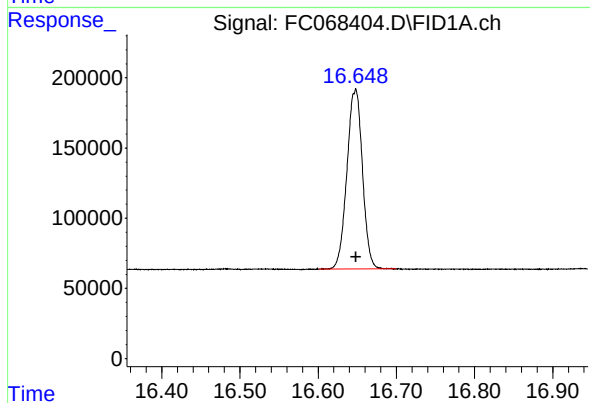
#14 n-Tetracosane (C24)

R.T.: 14.681 min
Delta R.T.: -0.002 min
Response: 1816027
Conc: 10.43 ug/ml



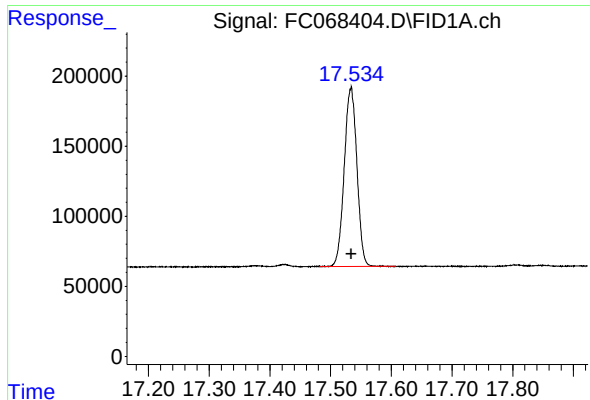
#15 n-Hexacosane (C26)

R.T.: 15.699 min
Delta R.T.: -0.001 min
Response: 1777806
Conc: 10.44 ug/ml



#16 n-Octacosane (C28)

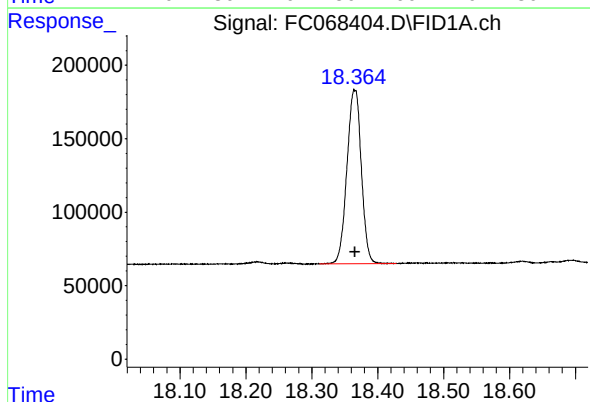
R.T.: 16.647 min
Delta R.T.: 0.000 min
Response: 1765534
Conc: 10.50 ug/ml



#17 n-Tricontane (C30)

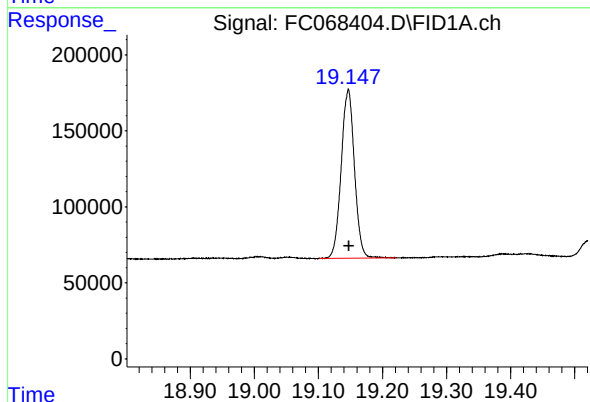
R.T.: 17.533 min
Delta R.T.: 0.000 min
Response: 1853554
Conc: 10.58 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



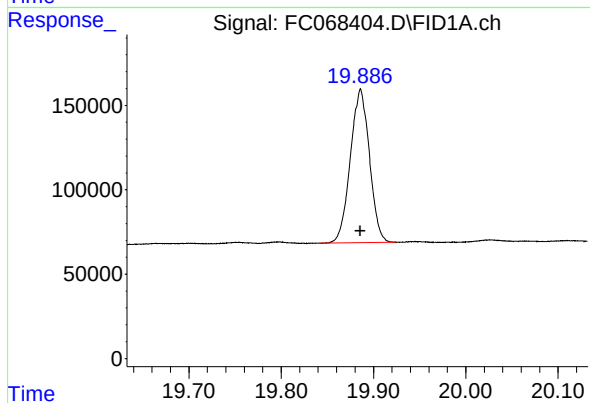
#18 n-Dotriacontane (C32)

R.T.: 18.365 min
Delta R.T.: 0.000 min
Response: 1792145
Conc: 10.57 ug/ml



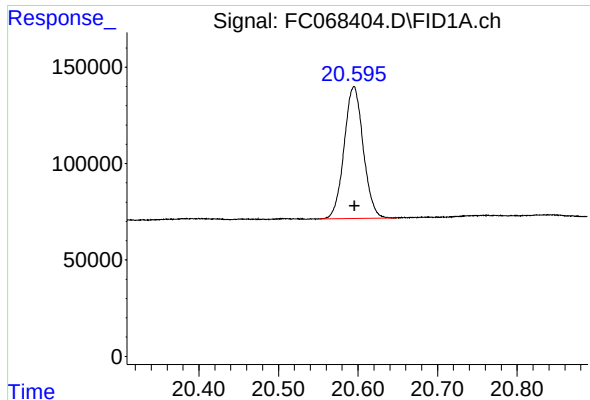
#19 n-Tetatriacontane (C34)

R.T.: 19.146 min
Delta R.T.: 0.000 min
Response: 1586807
Conc: 10.51 ug/ml



#20 n-Hexatriacontane (C36)

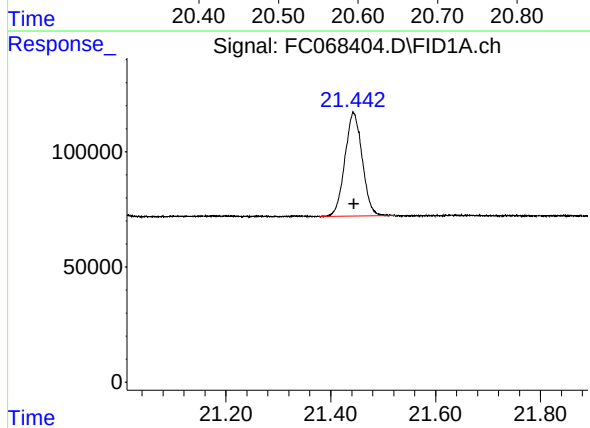
R.T.: 19.886 min
Delta R.T.: 0.000 min
Response: 1308753
Conc: 10.32 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.595 min
Delta R.T.: -0.001 min
Response: 1139413
Conc: 10.17 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



#22 n-Tetracontane (C40)

R.T.: 21.443 min
Delta R.T.: -0.001 min
Response: 1032339
Conc: 10.04 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC032625AL\
 Data File : FC068404.D
 Signal(s) : FID1A.ch
 Acq On : 26 Mar 2025 12:21
 Sample : 10 PPM ALIPHATIC HC STD4
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.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	3.200	3.141	3.261	BB	195607	1652195	79.18%	4.460%
2	4.255	4.228	4.318	BB	183136	1673518	80.20%	4.518%
3	5.820	5.791	5.918	BB	179866	1817299	87.09%	4.906%
4	6.261	6.228	6.328	BB	171723	1706663	81.79%	4.607%
5	6.871	6.834	6.968	BB	164818	1740430	83.41%	4.698%
6	8.047	8.011	8.121	BB	157213	1699414	81.44%	4.588%
7	9.643	9.604	9.728	BB	153517	1787303	85.65%	4.825%
8	11.080	11.051	11.154	BB	157591	1839600	88.16%	4.966%
9	11.384	11.348	11.458	BB	192679	2086658	100.00%	5.633%
10	12.386	12.348	12.454	BB	151695	1812535	86.86%	4.893%
11	12.826	12.768	12.898	BB	125830	1580360	75.74%	4.266%
12	12.996	12.961	13.071	BB	145688	1781013	85.35%	4.808%
13	13.581	13.551	13.658	VB	140685	1793771	85.96%	4.842%
14	14.681	14.598	14.751	BB	138837	1816027	87.03%	4.902%
15	15.699	15.658	15.771	BB	132082	1777806	85.20%	4.799%
16	16.647	16.601	16.699	BBA	127402	1765534	84.61%	4.766%
17	17.533	17.481	17.608	BB	127760	1853554	88.83%	5.004%
18	18.365	18.311	18.428	BB	118545	1792145	85.89%	4.838%
19	19.146	19.101	19.221	BB	111502	1586807	76.05%	4.284%
20	19.886	19.841	19.924	BB	89375	1308753	62.72%	3.533%
21	20.595	20.551	20.648	BB	68161	1139413	54.60%	3.076%
22	21.443	21.378	21.524	BB	44776	1032339	49.47%	2.787%
Sum of corrected areas:						37043136		

Aliphatic EPH 032625.M Wed Mar 26 15:19:19 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC032625AL\
 Data File : FC068405.D
 Signal(s) : FID1A.ch
 Acq On : 26 Mar 2025 12:59
 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

Integration File: autoint1.e
 Quant Time: Mar 26 13:34:23 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
 Quant Title : GC Extractables
 QLast Update : Wed Mar 26 13:16:01 2025
 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)	11.383	1040771	5.303 ug/ml
Spiked Amount 50.000		Recovery =	10.61%
12) S 1-chlorooctadecane (S...	12.826	787660	5.360 ug/ml
Spiked Amount 50.000		Recovery =	10.72%
Target Compounds			
1) T n-Nonane (C9)	3.200	819968	5.159 ug/ml
2) T n-Decane (C10)	4.255	821987	5.089 ug/ml
3) T A~Naphthalene (C11.7)	5.821	868483	4.895 ug/ml
4) T n-Dodecane (C12)	6.261	838336	5.105 ug/ml
5) T A~2-methylnaphthalene...	6.872	818798	4.769 ug/ml
6) T n-Tetradecane (C14)	8.048	823942	5.010 ug/ml
7) T n-Hexadecane (C16)	9.643	866146	5.050 ug/ml
8) T n-Octadecane (C18)	11.080	907661	5.216 ug/ml
10) T n-Eicosane (C20)	12.385	917135	5.452 ug/ml
11) T n-Heneicosane (C21)	12.995	897688	5.447 ug/ml
13) T n-Docosane (C22)	13.580	924581	5.616 ug/ml
14) T n-Tetracosane (C24)	14.681	982703	5.958 ug/ml
15) T n-Hexacosane (C26)	15.699	982054	6.089 ug/ml
16) T n-Octacosane (C28)	16.647	1018857	6.446 ug/ml
17) T n-Tricontane (C30)	17.533	1117126	6.892 ug/ml
18) T n-Dotriacontane (C32)	18.363	1085377	7.003 ug/ml
19) T n-Tetratriacontane (C34)	19.145	914648	6.597 ug/ml
20) T n-Hexatriacontane (C36)	19.884	718338	6.137 ug/ml
21) T n-Octatriacontane (C38)	20.594	606676	5.839 ug/ml
22) T n-Tetracontane (C40)	21.442	527594	5.488 ug/ml

(f)=RT Delta > 1/2 Window

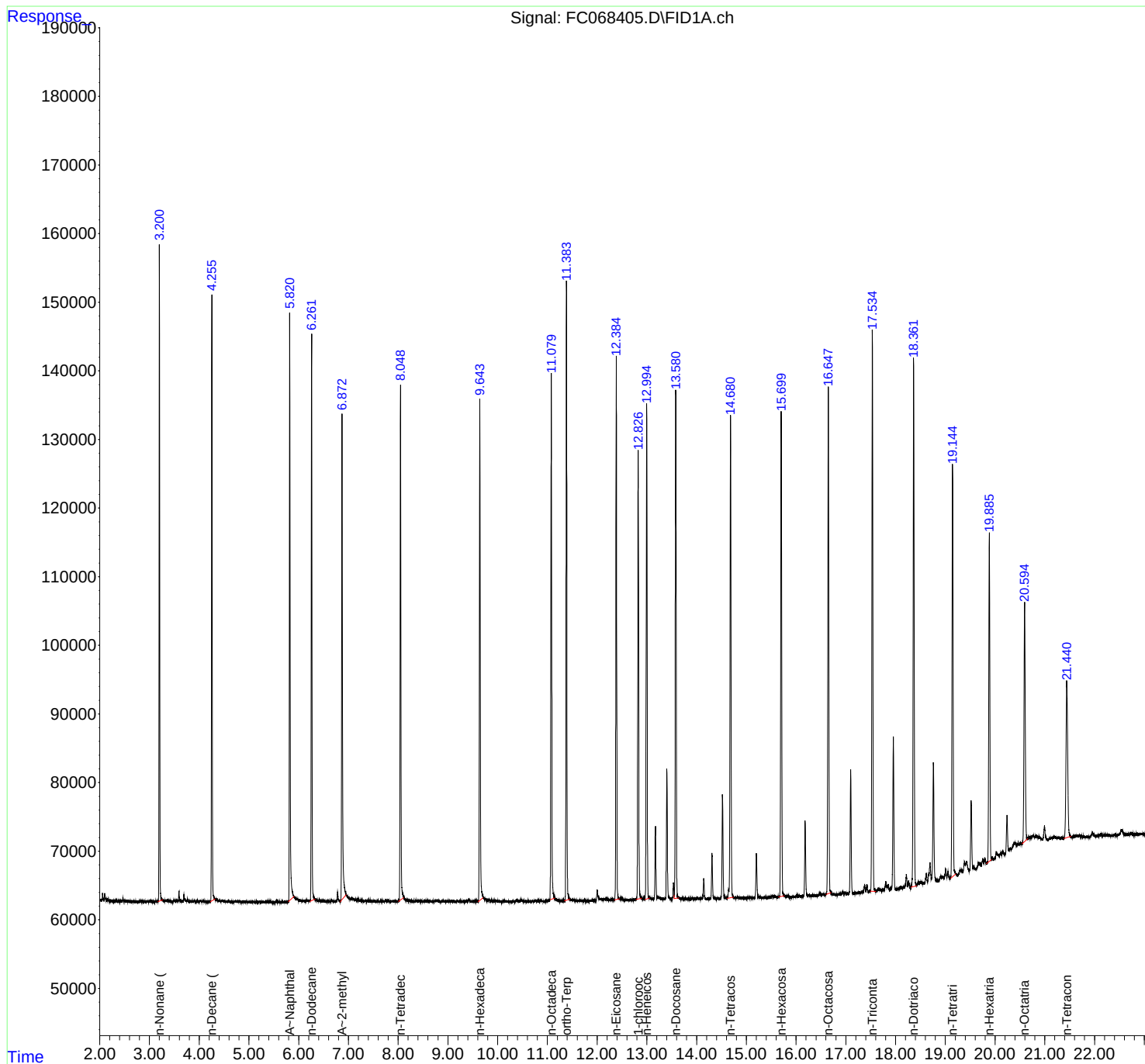
(m)=manual int.

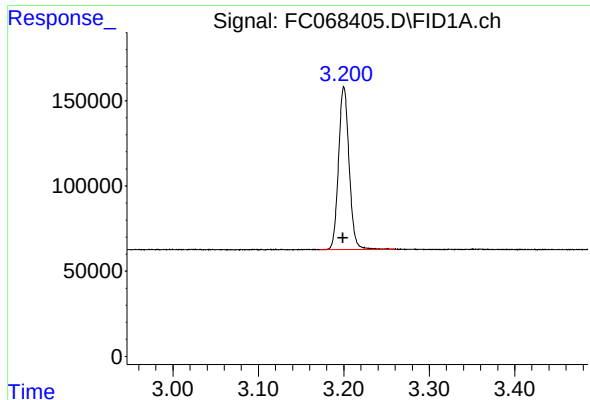
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC032625AL\
Data File : FC068405.D
Signal(s) : FID1A.ch
Acq On : 26 Mar 2025 12:59
Operator : YP/AJ
Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5

Integration File: autoint1.e
Quant Time: Mar 26 13:34:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Quant Title : GC Extractables
QLast Update : Wed Mar 26 13:16:01 2025
Response via : Initial Calibration
Integrator: ChemStation

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

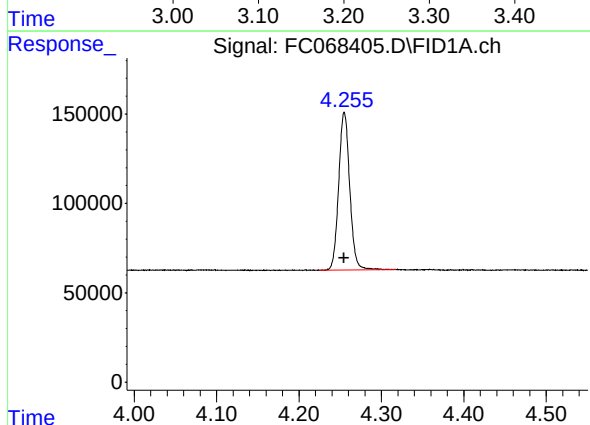




#1 n-Nonane (C9)

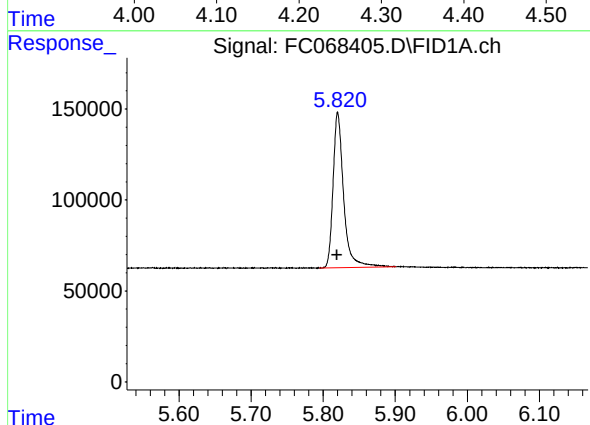
R.T.: 3.200 min
Delta R.T.: 0.001 min
Response: 819968
Conc: 5.16 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



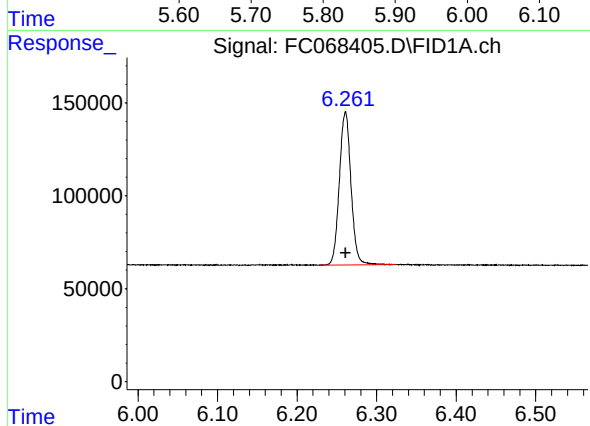
#2 n-Decane (C10)

R.T.: 4.255 min
Delta R.T.: 0.000 min
Response: 821987
Conc: 5.09 ug/ml



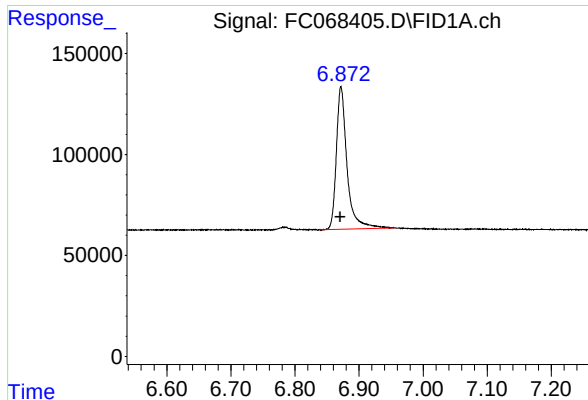
#3 A~Naphthalene (C11.7)

R.T.: 5.821 min
Delta R.T.: 0.001 min
Response: 868483
Conc: 4.90 ug/ml



#4 n-Dodecane (C12)

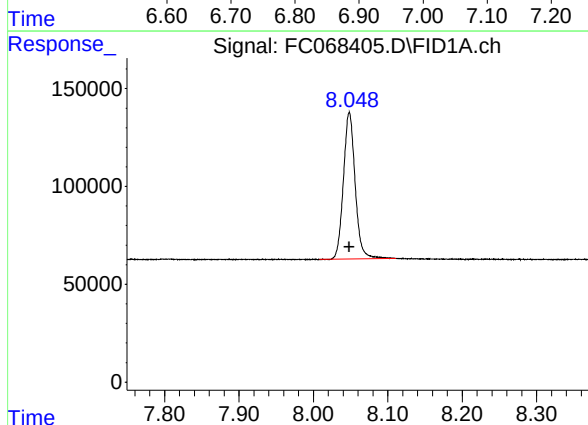
R.T.: 6.261 min
Delta R.T.: 0.000 min
Response: 838336
Conc: 5.11 ug/ml



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

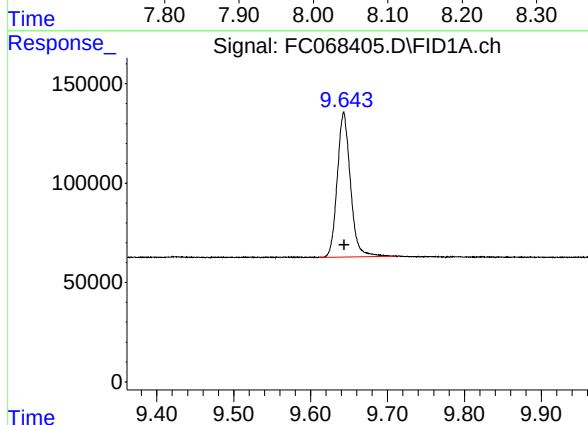
R.T.: 6.872 min
Delta R.T.: 0.001 min
Response: 818798
Conc: 4.77 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



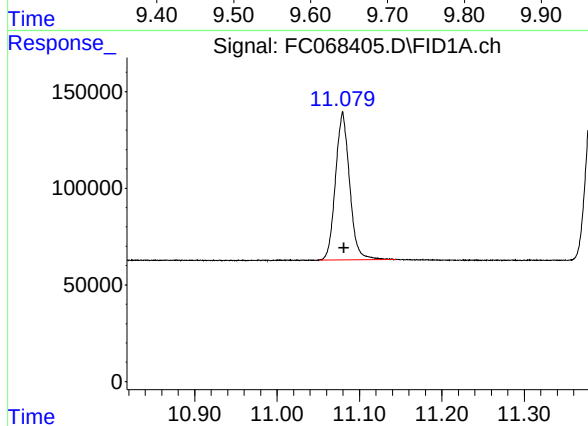
#6 n-Tetradecane (C14)

R.T.: 8.048 min
Delta R.T.: 0.000 min
Response: 823942
Conc: 5.01 ug/ml



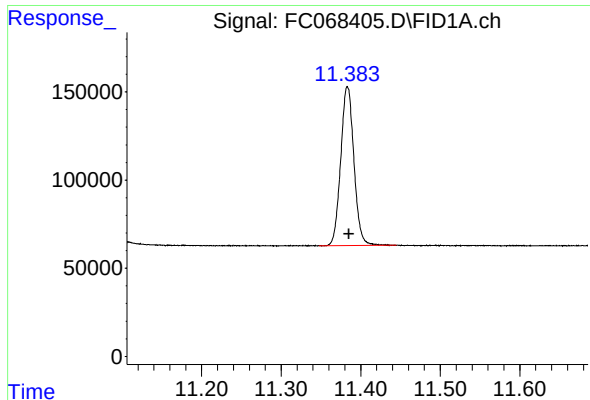
#7 n-Hexadecane (C16)

R.T.: 9.643 min
Delta R.T.: 0.000 min
Response: 866146
Conc: 5.05 ug/ml



#8 n-Octadecane (C18)

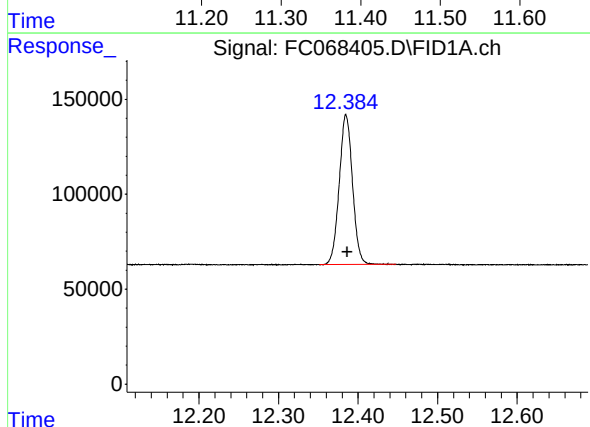
R.T.: 11.080 min
Delta R.T.: -0.002 min
Response: 907661
Conc: 5.22 ug/ml



#9 ortho-Terphenyl (SURR)

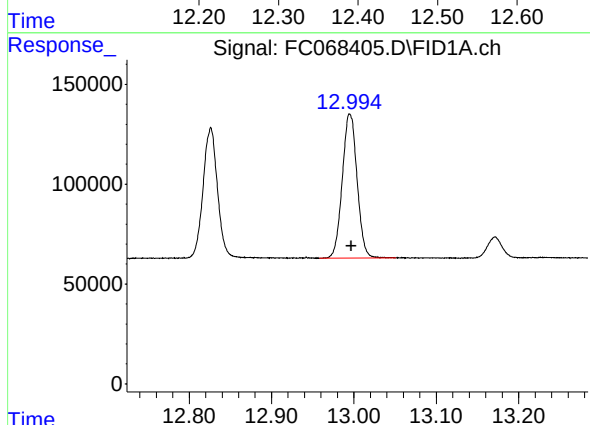
R.T.: 11.383 min
Delta R.T.: -0.002 min
Response: 1040771
Conc: 5.30 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



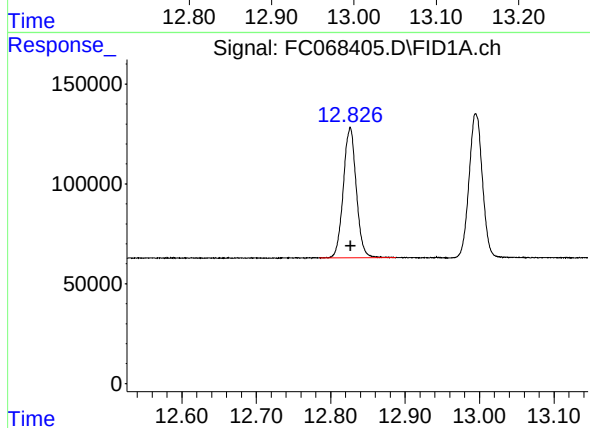
#10 n-Eicosane (C20)

R.T.: 12.385 min
Delta R.T.: -0.002 min
Response: 917135
Conc: 5.45 ug/ml



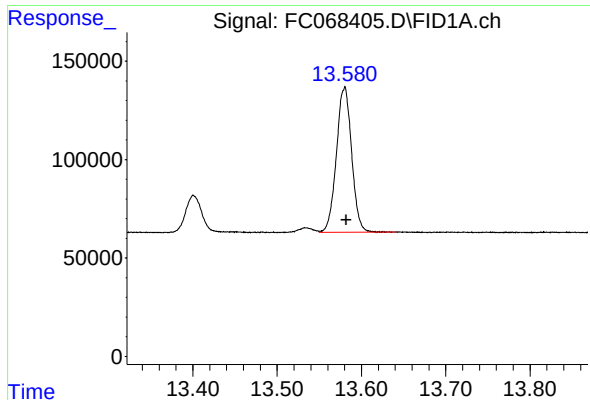
#11 n-Heneicosane (C21)

R.T.: 12.995 min
Delta R.T.: -0.002 min
Response: 897688
Conc: 5.45 ug/ml



#12 1-chlorooctadecane (SURR)

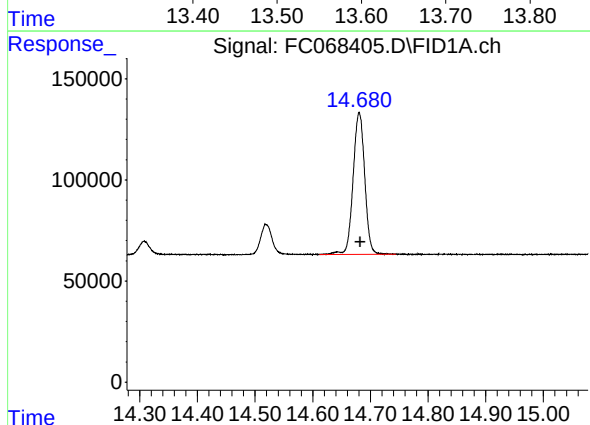
R.T.: 12.826 min
Delta R.T.: -0.001 min
Response: 787660
Conc: 5.36 ug/ml



#13 n-Docosane (C22)

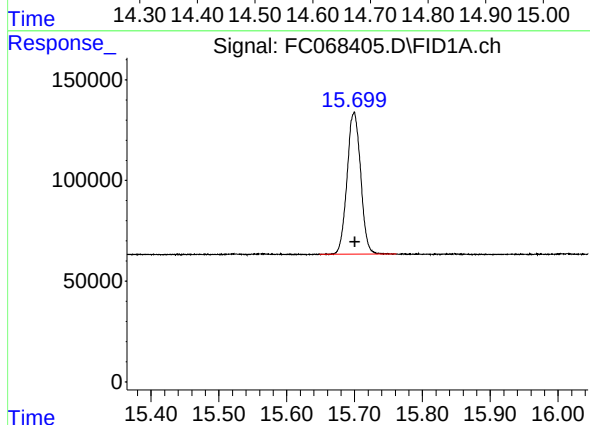
R.T.: 13.580 min
Delta R.T.: -0.002 min
Response: 924581
Conc: 5.62 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



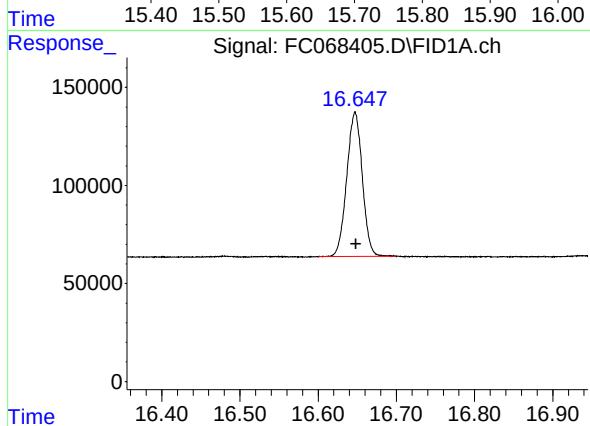
#14 n-Tetracosane (C24)

R.T.: 14.681 min
Delta R.T.: -0.002 min
Response: 982703
Conc: 5.96 ug/ml



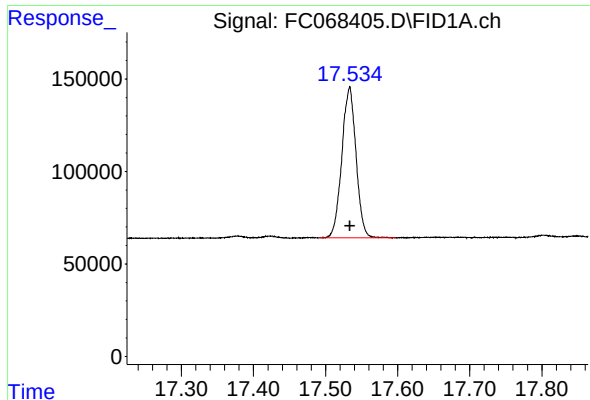
#15 n-Hexacosane (C26)

R.T.: 15.699 min
Delta R.T.: -0.001 min
Response: 982054
Conc: 6.09 ug/ml



#16 n-Octacosane (C28)

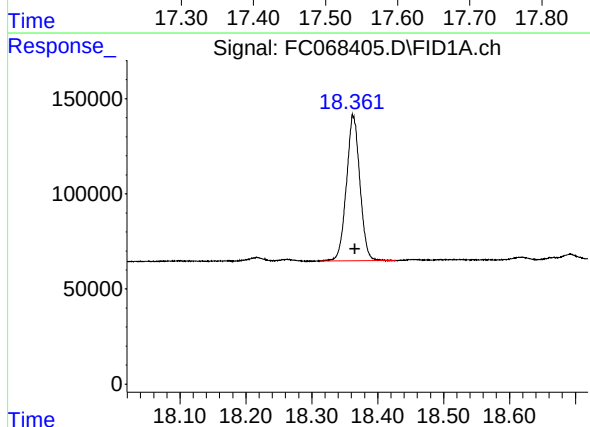
R.T.: 16.647 min
Delta R.T.: -0.001 min
Response: 1018857
Conc: 6.45 ug/ml



#17 n-Tricontane (C30)

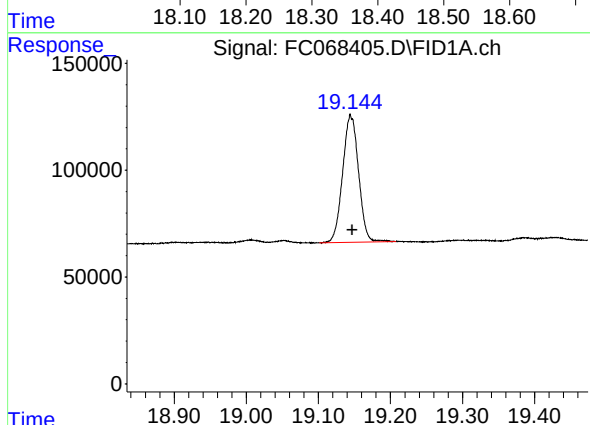
R.T.: 17.533 min
Delta R.T.: -0.001 min
Response: 1117126
Conc: 6.89 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



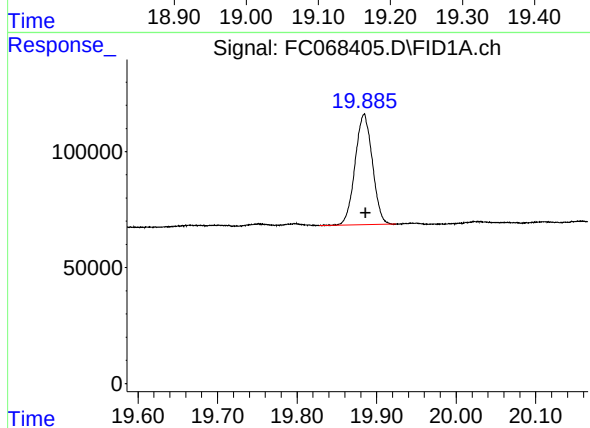
#18 n-Dotriacontane (C32)

R.T.: 18.363 min
Delta R.T.: -0.002 min
Response: 1085377
Conc: 7.00 ug/ml



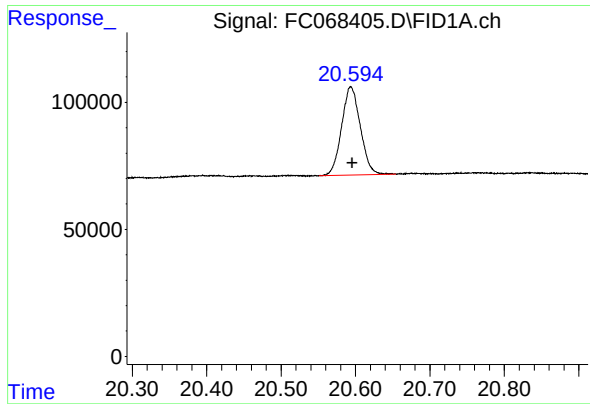
#19 n-Tetatriacontane (C34)

R.T.: 19.145 min
Delta R.T.: -0.002 min
Response: 914648
Conc: 6.60 ug/ml



#20 n-Hexatriacontane (C36)

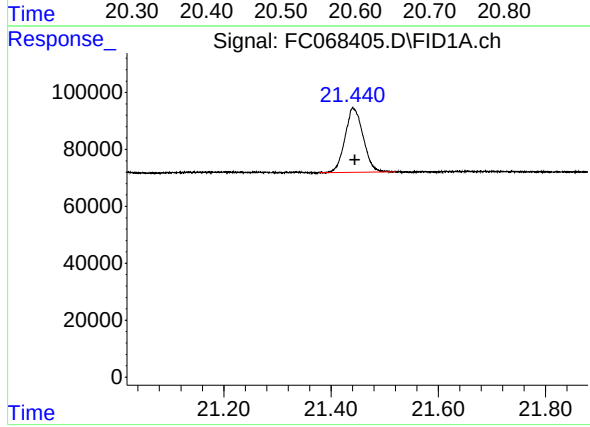
R.T.: 19.884 min
Delta R.T.: -0.002 min
Response: 718338
Conc: 6.14 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.594 min
Delta R.T.: -0.002 min
Response: 606676
Conc: 5.84 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



#22 n-Tetracontane (C40)

R.T.: 21.442 min
Delta R.T.: -0.003 min
Response: 527594
Conc: 5.49 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC032625AL\
Data File : FC068405.D
Signal(s) : FID1A.ch
Acq On : 26 Mar 2025 12:59
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 032625.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	3.200	3.171	3.261	BB	95009	819968	73.40%	4.252%
2	4.255	4.224	4.318	BB	88062	821987	73.58%	4.262%
3	5.821	5.794	5.901	BB	84303	868483	77.74%	4.503%
4	6.261	6.228	6.324	BB	82314	838336	75.04%	4.347%
5	6.872	6.838	6.958	BB	70545	818798	73.30%	4.245%
6	8.048	8.008	8.111	BB	74911	823942	73.76%	4.272%
7	9.643	9.611	9.711	BB	72124	866146	77.53%	4.491%
8	11.080	11.051	11.144	BB	75142	907661	81.25%	4.706%
9	11.383	11.348	11.444	BB	90389	1040771	93.17%	5.396%
10	12.385	12.351	12.448	BB	78929	917135	82.10%	4.755%
11	12.826	12.784	12.888	BB	64234	787660	70.51%	4.084%
12	12.995	12.958	13.051	BB	72551	897688	80.36%	4.654%
13	13.580	13.550	13.641	VB	74173	924581	82.76%	4.794%
14	14.681	14.611	14.744	BB	70161	982703	87.97%	5.095%
15	15.699	15.648	15.761	BB	69966	982054	87.91%	5.092%
16	16.647	16.601	16.699	BBA	73620	1018857	91.20%	5.283%
17	17.533	17.491	17.598	BB	81984	1117126	100.00%	5.792%
18	18.363	18.311	18.428	BB	75142	1085377	97.16%	5.628%
19	19.145	19.101	19.208	BB	59372	914648	81.88%	4.742%
20	19.884	19.828	19.924	BB	47750	718338	64.30%	3.725%
21	20.594	20.551	20.654	BB	34654	606676	54.31%	3.146%
22	21.442	21.378	21.521	BB	22563	527594	47.23%	2.736%
Sum of corrected areas:						19286529		

Aliphatic EPH 032625.M Wed Mar 26 15:17:56 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC032625AL\
 Data File : FC068406.D
 Signal(s) : FID1A.ch
 Acq On : 26 Mar 2025 13:36
 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: Mar 26 15:08:45 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
 Quant Title : GC Extractables
 QLast Update : Wed Mar 26 13:35:27 2025
 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)	11.385	4184619	21.067 ug/ml
Spiked Amount 50.000		Recovery =	42.13%
12) S 1-chlorooctadecane (S...	12.827	3169108	21.259 ug/ml
Spiked Amount 50.000		Recovery =	42.52%
Target Compounds			
1) T n-Nonane (C9)	3.199	3345481	20.917 ug/ml
2) T n-Decane (C10)	4.255	3402627	20.990 ug/ml
3) T A~Naphthalene (C11.7)	5.819	3710999	21.004 ug/ml
4) T n-Dodecane (C12)	6.261	3451156	20.928 ug/ml
5) T A~2-methylnaphthalene...	6.871	3589505	21.103 ug/ml
6) T n-Tetradecane (C14)	8.049	3457908	21.016 ug/ml
7) T n-Hexadecane (C16)	9.644	3639050	21.176 ug/ml
8) T n-Octadecane (C18)	11.081	3725197	21.223 ug/ml
10) T n-Eicosane (C20)	12.386	3623685	21.158 ug/ml
11) T n-Heneicosane (C21)	12.997	3557280	21.207 ug/ml
13) T n-Docosane (C22)	13.581	3546383	21.022 ug/ml
14) T n-Tetracosane (C24)	14.682	3528543	20.603 ug/ml
15) T n-Hexacosane (C26)	15.700	3433946	20.403 ug/ml
16) T n-Octacosane (C28)	16.649	3381117	20.221 ug/ml
17) T n-Tricontane (C30)	17.535	3518206	20.178 ug/ml
18) T n-Dotriacontane (C32)	18.365	3395540	20.284 ug/ml
19) T n-Tetratriacontane (C34)	19.148	3029523	20.539 ug/ml
20) T n-Hexatriacontane (C36)	19.885	2556410	20.889 ug/ml
21) T n-Octatriacontane (C38)	20.597	2239784	20.857 ug/ml
22) T n-Tetracontane (C40)	21.443	2055815	20.976 ug/ml

(f)=RT Delta > 1/2 Window

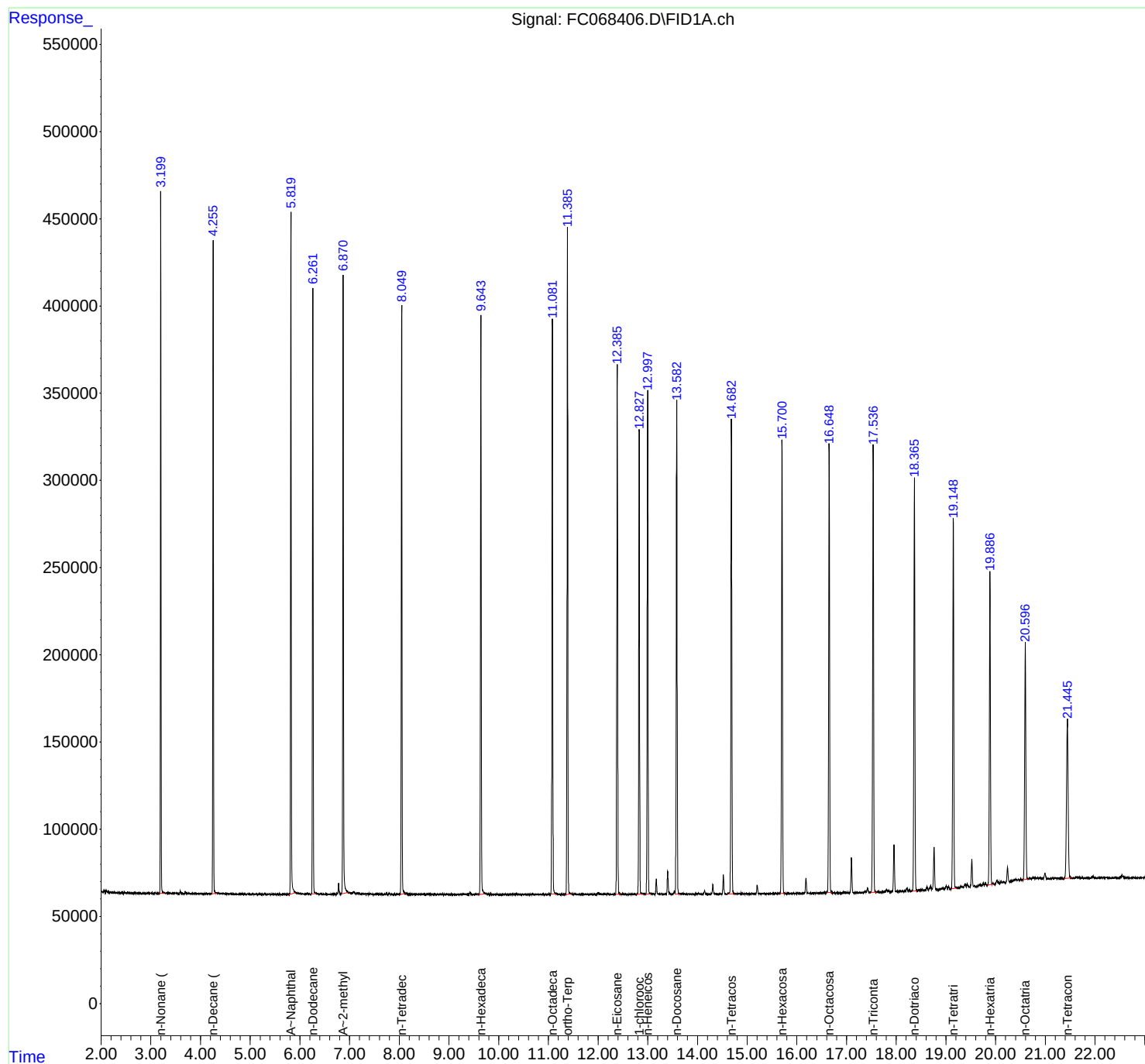
(m)=manual int.

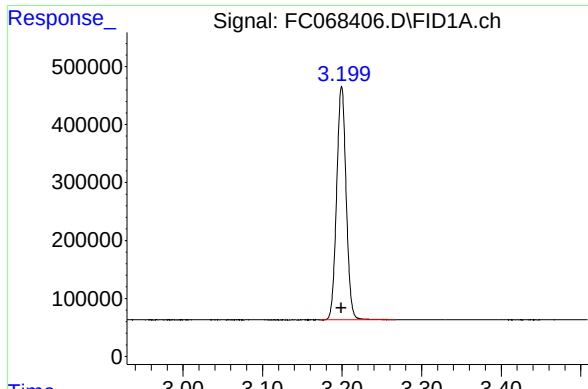
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC032625AL\
Data File : FC068406.D
Signal(s) : FID1A.ch
Acq On : 26 Mar 2025 13:36
Operator : YP/AJ
Sample : 20 PPM ALIPHATIC HC STD ICV
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV

Integration File: autoint1.e
Quant Time: Mar 26 15:08:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 032625.M
Quant Title : GC Extractables
QLast Update : Wed Mar 26 13:35:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

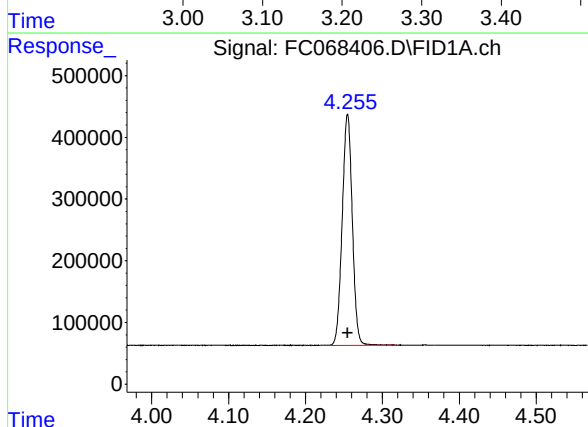




#1 n-Nonane (C9)

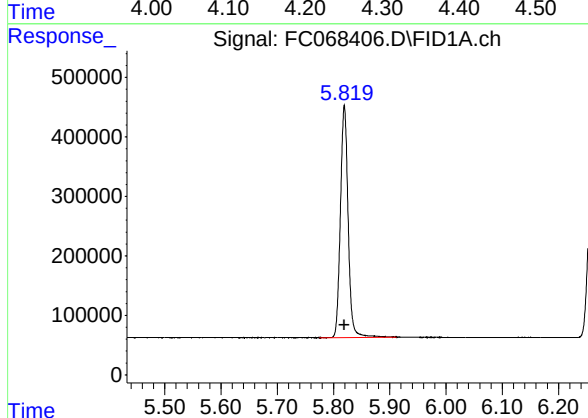
R.T.: 3.199 min
Delta R.T.: 0.000 min
Response: 3345481
Conc: 20.92 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



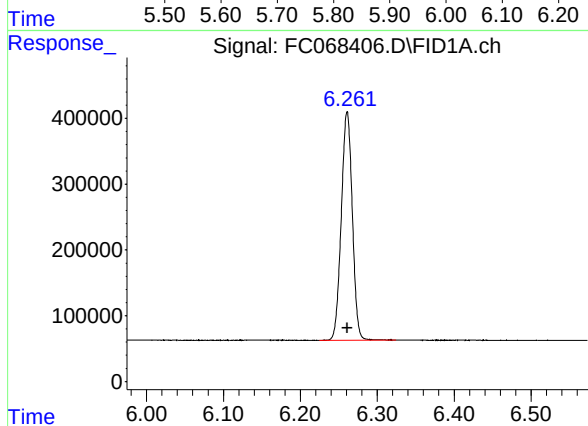
#2 n-Decane (C10)

R.T.: 4.255 min
Delta R.T.: 0.000 min
Response: 3402627
Conc: 20.99 ug/ml



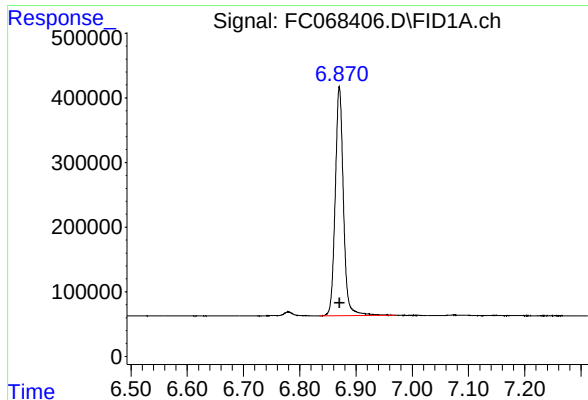
#3 A~Naphthalene (C11.7)

R.T.: 5.819 min
Delta R.T.: 0.000 min
Response: 3710999
Conc: 21.00 ug/ml



#4 n-Dodecane (C12)

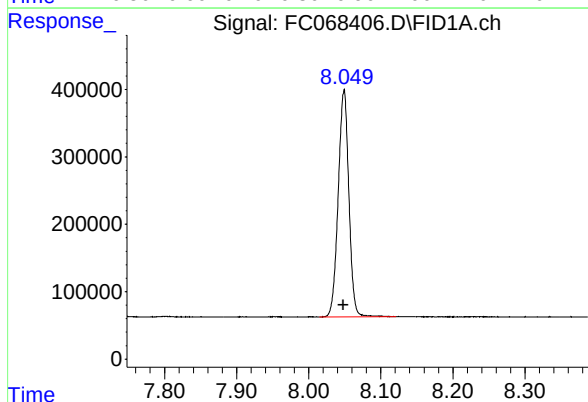
R.T.: 6.261 min
Delta R.T.: 0.000 min
Response: 3451156
Conc: 20.93 ug/ml



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

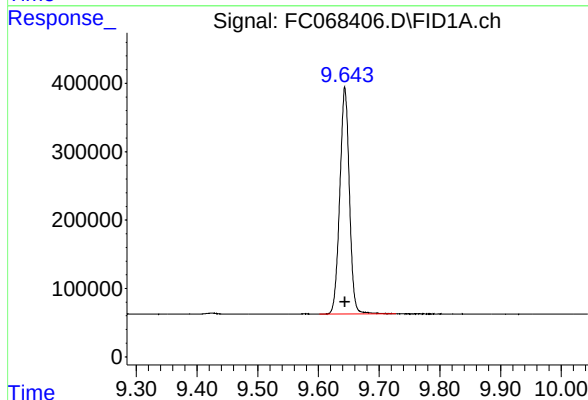
R.T.: 6.871 min
Delta R.T.: 0.000 min
Response: 3589505
Conc: 21.10 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



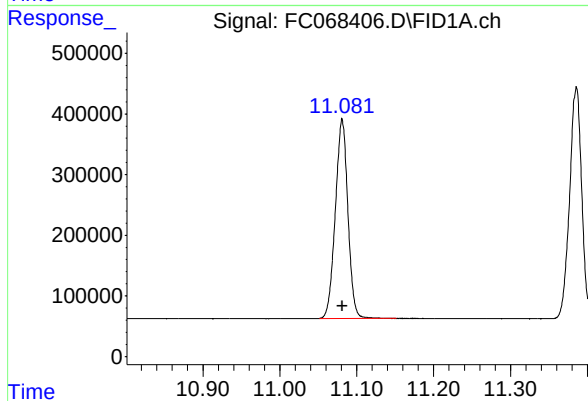
#6 n-Tetradecane (C14)

R.T.: 8.049 min
Delta R.T.: 0.000 min
Response: 3457908
Conc: 21.02 ug/ml



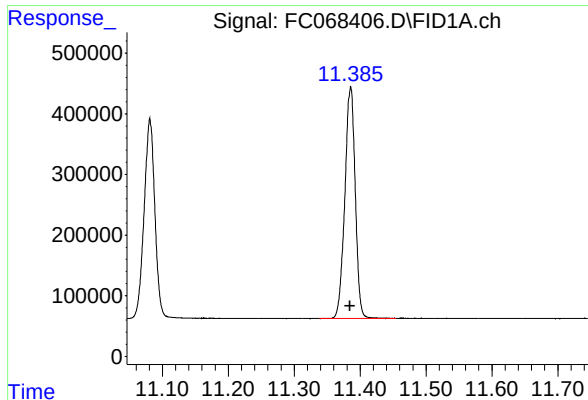
#7 n-Hexadecane (C16)

R.T.: 9.644 min
Delta R.T.: 0.000 min
Response: 3639050
Conc: 21.18 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.081 min
Delta R.T.: 0.000 min
Response: 3725197
Conc: 21.22 ug/ml



#9 ortho-Terphenyl (SURR)

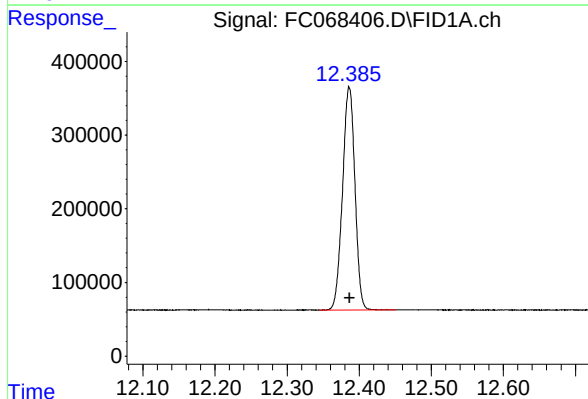
R.T.: 11.385 min
Delta R.T.: 0.000 min
Response: 4184619
Conc: 21.07 ug/ml

Instrument :

FID_C

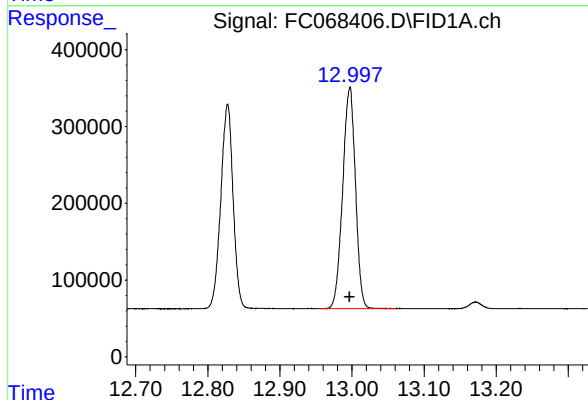
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



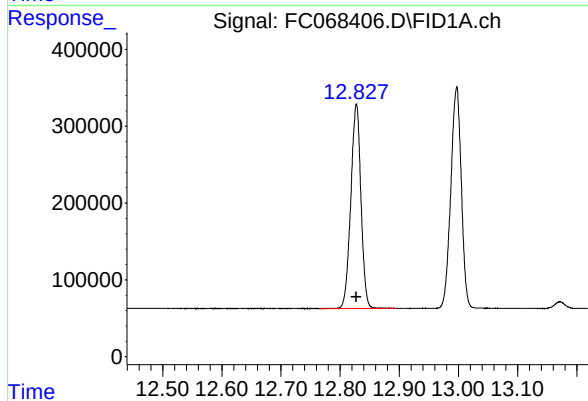
#10 n-Eicosane (C20)

R.T.: 12.386 min
Delta R.T.: 0.000 min
Response: 3623685
Conc: 21.16 ug/ml



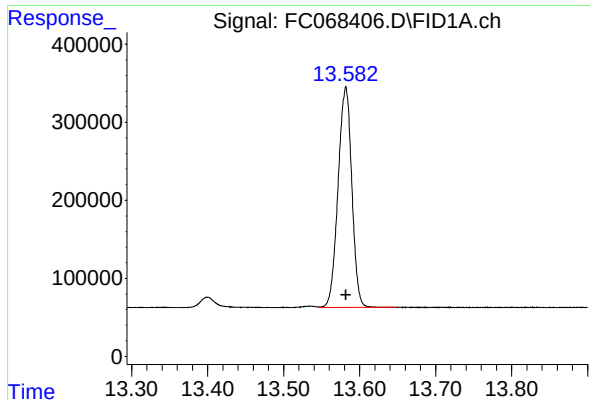
#11 n-Heneicosane (C21)

R.T.: 12.997 min
Delta R.T.: 0.000 min
Response: 3557280
Conc: 21.21 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.827 min
Delta R.T.: 0.000 min
Response: 3169108
Conc: 21.26 ug/ml



#13 n-Docosane (C22)

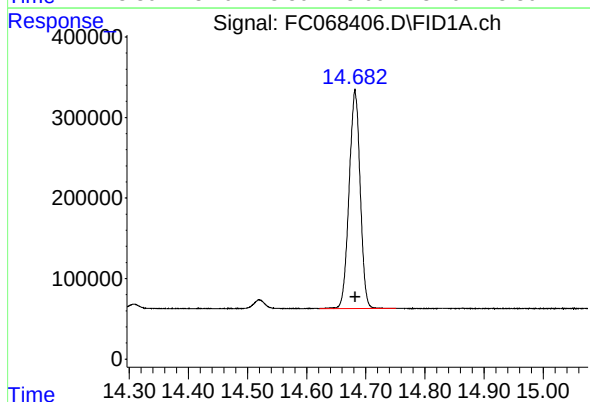
R.T.: 13.581 min
Delta R.T.: 0.000 min
Response: 3546383
Conc: 21.02 ug/ml

Instrument :

FID_C

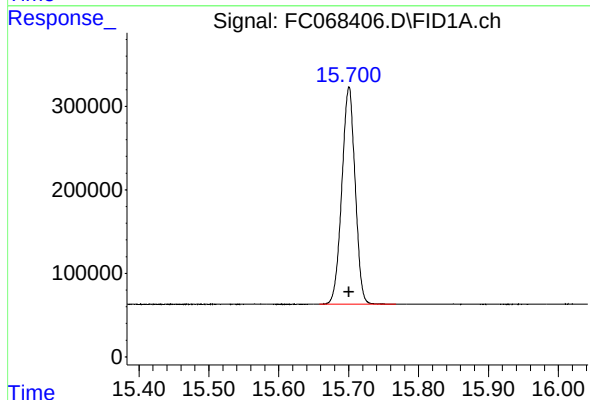
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



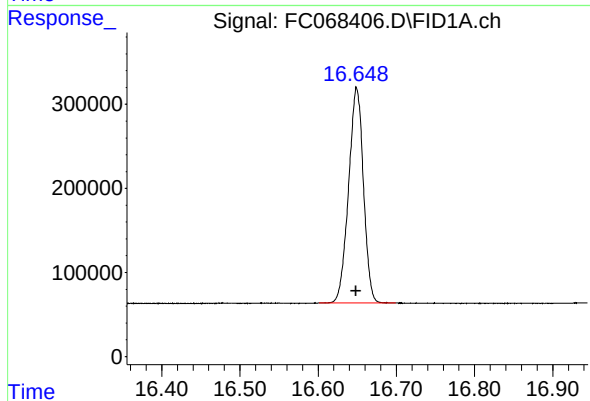
#14 n-Tetracosane (C24)

R.T.: 14.682 min
Delta R.T.: 0.000 min
Response: 3528543
Conc: 20.60 ug/ml



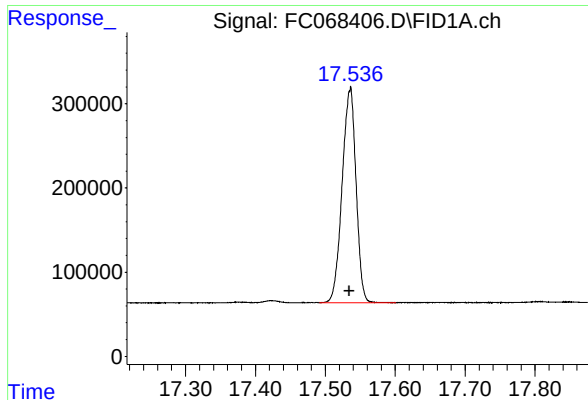
#15 n-Hexacosane (C26)

R.T.: 15.700 min
Delta R.T.: 0.000 min
Response: 3433946
Conc: 20.40 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.649 min
Delta R.T.: 0.001 min
Response: 3381117
Conc: 20.22 ug/ml



#17 n-Tricontane (C30)

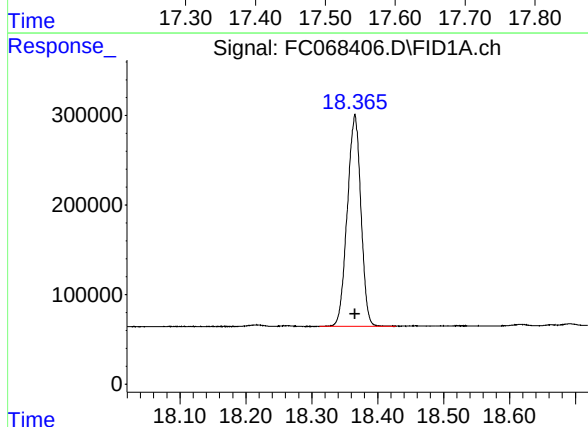
R.T.: 17.535 min
Delta R.T.: 0.000 min
Response: 3518206
Conc: 20.18 ug/ml

Instrument :

FID_C

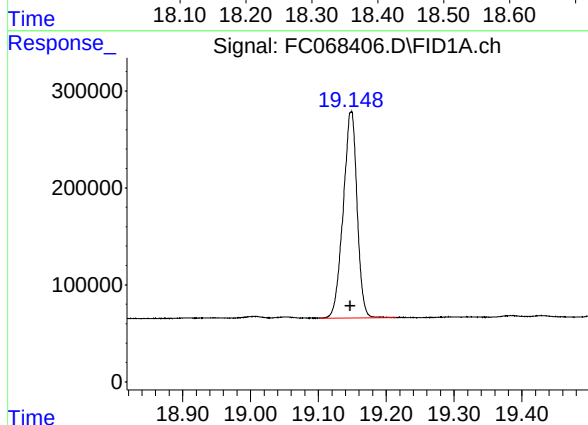
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



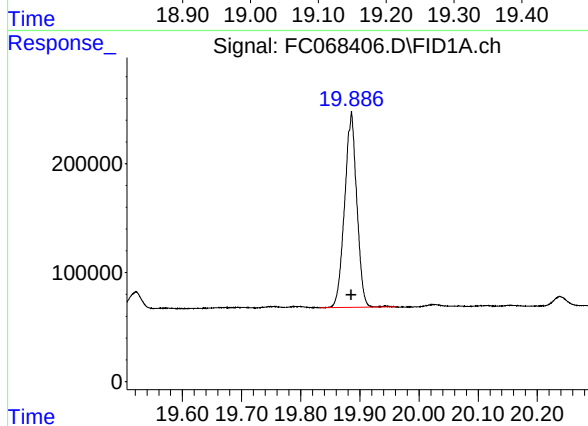
#18 n-Dotriacontane (C32)

R.T.: 18.365 min
Delta R.T.: 0.000 min
Response: 3395540
Conc: 20.28 ug/ml



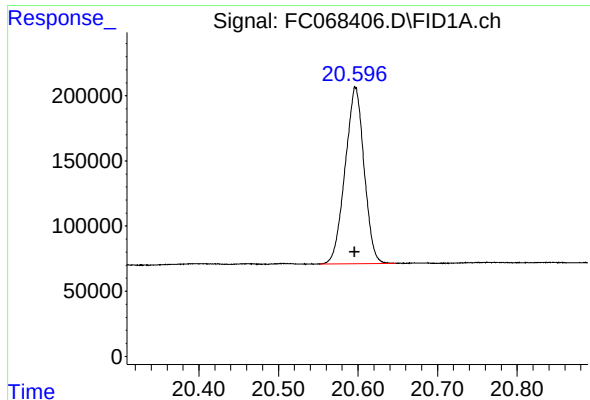
#19 n-Tetatriacontane (C34)

R.T.: 19.148 min
Delta R.T.: 0.000 min
Response: 3029523
Conc: 20.54 ug/ml



#20 n-Hexatriacontane (C36)

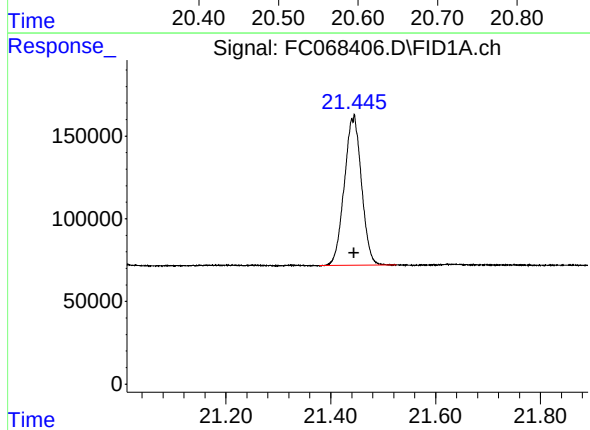
R.T.: 19.885 min
Delta R.T.: 0.000 min
Response: 2556410
Conc: 20.89 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.597 min
Delta R.T.: 0.001 min
Response: 2239784
Conc: 20.86 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



#22 n-Tetracontane (C40)

R.T.: 21.443 min
Delta R.T.: -0.001 min
Response: 2055815
Conc: 20.98 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC032625AL\
 Data File : FC068406.D
 Signal(s) : FID1A.ch
 Acq On : 26 Mar 2025 13:36
 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 032625.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	3.199	3.171	3.268	BB	400920	3345481	79.95%	4.549%
2	4.255	4.218	4.318	BB	374377	3402627	81.31%	4.627%
3	5.819	5.774	5.911	BB	385060	3710999	88.68%	5.046%
4	6.261	6.224	6.324	BB	347782	3451156	82.47%	4.693%
5	6.871	6.834	6.971	BB	353264	3589505	85.78%	4.881%
6	8.049	8.014	8.121	BB	333413	3457908	82.63%	4.702%
7	9.644	9.601	9.728	BB	328720	3639050	86.96%	4.948%
8	11.081	11.051	11.151	BB	327947	3725197	89.02%	5.065%
9	11.385	11.338	11.454	BB	378645	4184619	100.00%	5.690%
10	12.386	12.344	12.451	BB	303646	3623685	86.60%	4.927%
11	12.827	12.764	12.894	BB	267436	3169108	75.73%	4.309%
12	12.997	12.954	13.061	BB	290830	3557280	85.01%	4.837%
13	13.581	13.547	13.648	VB	280698	3546383	84.75%	4.822%
14	14.682	14.621	14.751	BB	269951	3528543	84.32%	4.798%
15	15.700	15.658	15.768	BB	261469	3433946	82.06%	4.669%
16	16.649	16.601	16.699	BBA	252617	3381117	80.80%	4.598%
17	17.535	17.491	17.601	BB	252856	3518206	84.07%	4.784%
18	18.365	18.311	18.428	BB	233659	3395540	81.14%	4.617%
19	19.148	19.101	19.214	BB	213686	3029523	72.40%	4.119%
20	19.885	19.831	19.961	BB	172391	2556410	61.09%	3.476%
21	20.597	20.551	20.648	BB	135273	2239784	53.52%	3.046%
22	21.443	21.378	21.524	BB	90309	2055815	49.13%	2.795%
Sum of corrected areas:							73541882	

Aliphatic EPH 032625.M Wed Mar 26 15:17:11 2025