

Initial Calibration Report for SequenceID : FF031725AL

AreaCount

Parameter Range	FF015685.D	FF015686.D	FF015687.D	FF015688.D	FF015689.D	
Aliphatic C9-C12	35791753.000	18596208.000	8058326.000	4004912.000	1968689.000	
Aliphatic C12-C16	24749935.000	12856373.000	5564326.000	2740629.000	1296185.000	
Aliphatic C16-C21	37540731.000	19647990.000	8562154.000	4228203.000	2056604.000	
Aliphatic C21-C28	47415607.000	25387224.000	11186676.000	5615235.000	2714034.000	
Aliphatic C28-C40	55895010.000	30012799.000	13810725.000	6857806.000	3544442.000	
Aliphatic EPH	201393036.000	106500594.000	47182207.000	23446785.000	11579954.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aliphatic C9-C12	128465.799333	5.093				
Aliphatic C12-C16	131614.301	4.815				
Aliphatic C16-C21	135374.393998	5.375				
Aliphatic C21-C28	132278.2325	7.089				
Aliphatic C28-C40	108147.044333	10.091				
Aliphatic EPH	124041.354333	6.861				

Concentration

Parameter Range	FF015685.D	FF015686.D	FF015687.D	FF015688.D	FF015689.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	FF015685.D	FF015686.D	FF015687.D	FF015688.D	FF015689.D	
Aliphatic C9-C12	119305.843333	123974.720000	134305.433333	133497.066666	131245.933333	
Aliphatic C12-C16	123749.675000	128563.730000	139108.150000	137031.450000	129618.500000	
Aliphatic C16-C21	125135.770000	130986.600000	142702.566666	140940.100000	137106.933333	

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Aliphatic C21-C28	118539.017500	126936.120000	139833.450000	140380.875000	135701.700000	
Aliphatic C28-C40	93158.350000	100042.663333	115089.375000	114296.766666	118148.066666	
Aliphatic EPH	111885.020000	118333.993333	131061.686111	130259.916666	128666.155555	

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF031725AL\
 Data File : FF015685.D
 Signal(s) : FID2B.ch
 Acq On : 17 Mar 2025 17:32
 Operator : YP\AJ
 Sample : 100 PPM ALIPHATIC HC STD1
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 FID_F
 ClientSampleId :
 100 PPM ALIPHATIC HC STD1

Integration File: autoint1.e
 Quant Time: Mar 18 02:21:56 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 031725.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 18 02:20:55 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)	11.944	13992114	87.482 ug/ml
Spiked Amount 50.000		Recovery =	174.96%
12) S 1-chlorooctadecane (S...	13.377	10671595	89.038 ug/ml
Spiked Amount 50.000		Recovery =	178.08%
Target Compounds			
1) T n-Nonane (C9)	3.312	11714769	88.735 ug/ml
2) T n-Decane (C10)	4.570	11941532	88.896 ug/ml
3) T A~Naphthalene (C11.7)	6.279	12962083	92.903 ug/ml
4) T n-Dodecane (C12)	6.737	12135452	88.863 ug/ml
5) T A~2-methylnaphthalene...	7.376	12513053	95.678 ug/ml
6) T n-Tetradecane (C14)	8.565	12139898	88.866 ug/ml
7) T n-Hexadecane (C16)	10.174	12610037	89.050 ug/ml
8) T n-Octadecane (C18)	11.620	12845153	88.388 ug/ml
10) T n-Eicosane (C20)	12.930	12429970	87.508 ug/ml
11) T n-Heneicosane (C21)	13.543	12265608	87.152 ug/ml
13) T n-Docosane (C22)	14.130	12185094	86.337 ug/ml
14) T n-Tetracosane (C24)	15.234	12072256	85.404 ug/ml
15) T n-Hexacosane (C26)	16.256	11767801	84.960 ug/ml
16) T n-Octacosane (C28)	17.207	11390456	82.339 ug/ml
17) T n-Tricontane (C30)	18.097	11327654	79.091 ug/ml
18) T n-Dotriacontane (C32)	18.930	10744785	77.601 ug/ml
19) T n-Tetratriacontane (C34)	19.713	9816099	78.988 ug/ml
20) T n-Hexatriacontane (C36)	20.452	8638482	81.952 ug/ml
21) T n-Octatriacontane (C38)	21.189	7910401	84.731 ug/ml
22) T n-Tetracontane (C40)	22.105	7457589	86.906 ug/ml

(f)=RT Delta > 1/2 Window

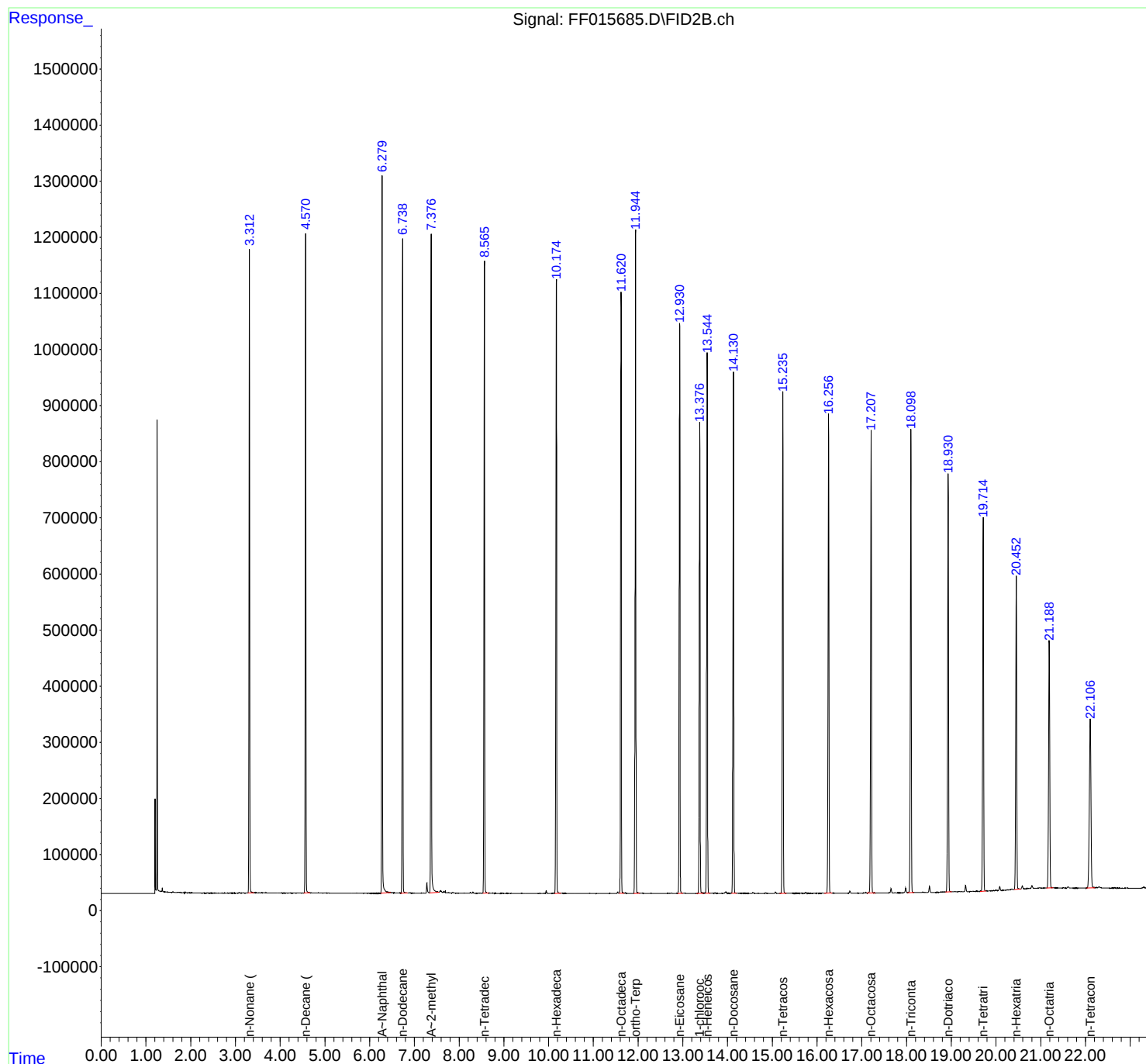
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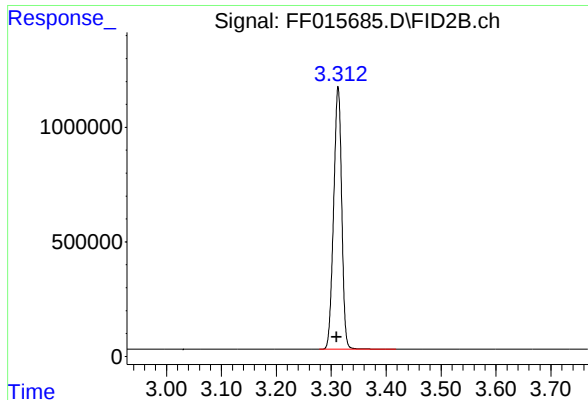
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Data File : FF015685.D
Signal(s) : FID2B.ch
Acq On : 17 Mar 2025 17:32
Operator : YP\AJ
Sample : 100 PPM ALIPHATIC HC STD1
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
100 PPM ALIPHATIC HC STD1

Integration File: autoint1.e
Quant Time: Mar 18 02:21:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 031725.M
Quant Title : GC Extractables
QLast Update : Tue Mar 18 02:20:55 2025
Response via : Initial Calibration
Integrator: ChemStation

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

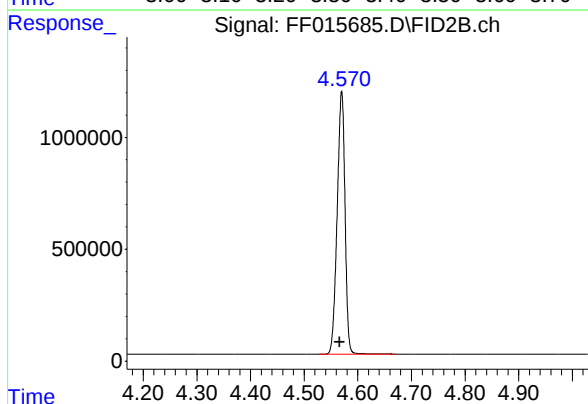




#1 n-Nonane (C9)

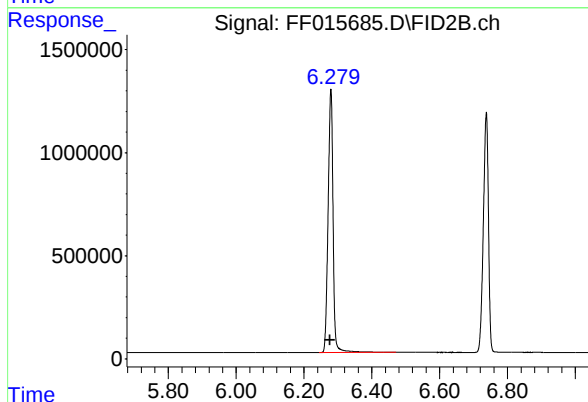
R.T.: 3.312 min
Delta R.T.: 0.002 min
Response: 11714769
Conc: 88.73 ug/ml

Instrument :
FID_F
ClientSampleId :
100 PPM ALIPHATIC HC STD1



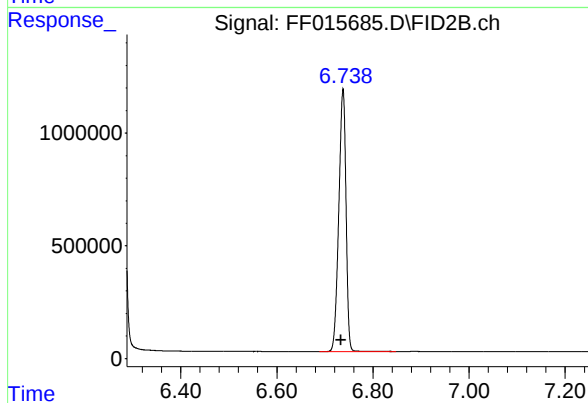
#2 n-Decane (C10)

R.T.: 4.570 min
Delta R.T.: 0.004 min
Response: 11941532
Conc: 88.90 ug/ml



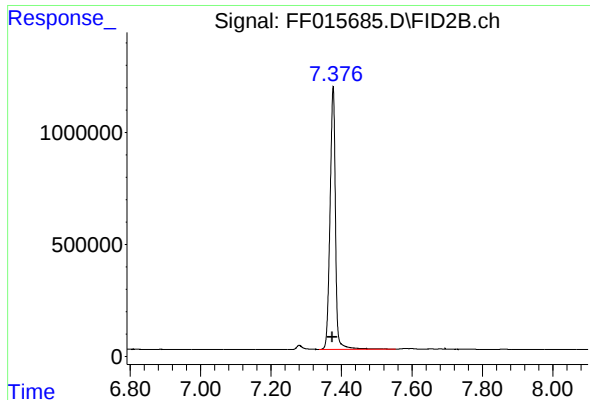
#3 A~Naphthalene (C11.7)

R.T.: 6.279 min
Delta R.T.: 0.003 min
Response: 12962083
Conc: 92.90 ug/ml



#4 n-Dodecane (C12)

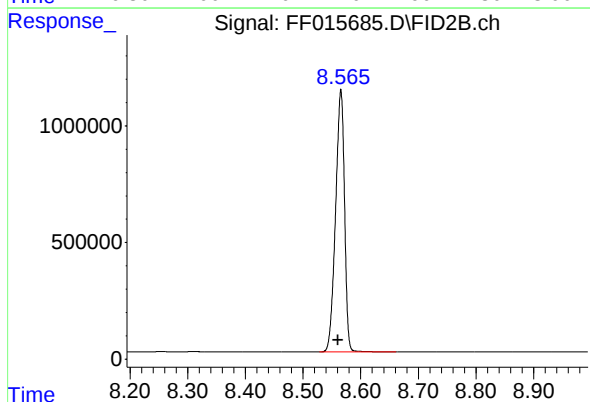
R.T.: 6.737 min
Delta R.T.: 0.004 min
Response: 12135452
Conc: 88.86 ug/ml



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

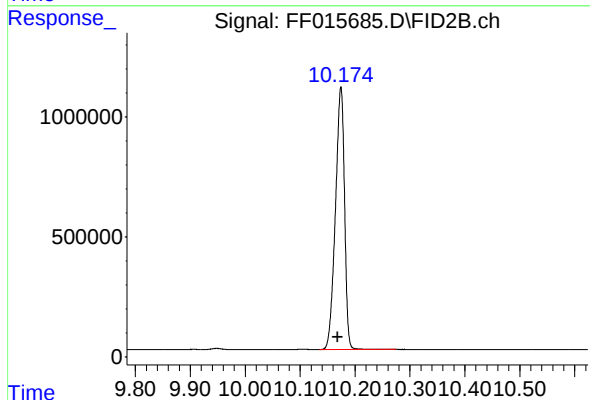
R.T.: 7.376 min
Delta R.T.: 0.002 min
Response: 12513053
Conc: 95.68 ug/ml

Instrument :
FID_F
ClientSampleId :
100 PPM ALIPHATIC HC STD1



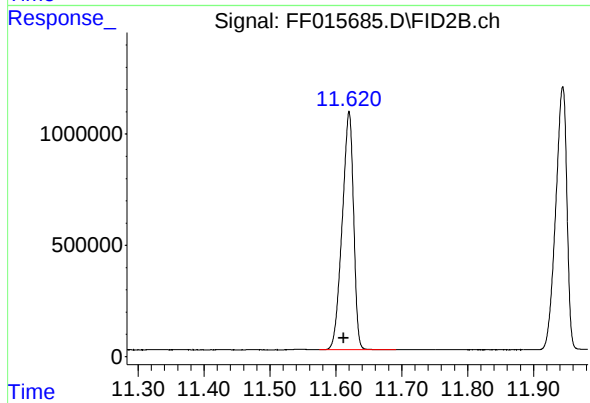
#6 n-Tetradecane (C14)

R.T.: 8.565 min
Delta R.T.: 0.005 min
Response: 12139898
Conc: 88.87 ug/ml



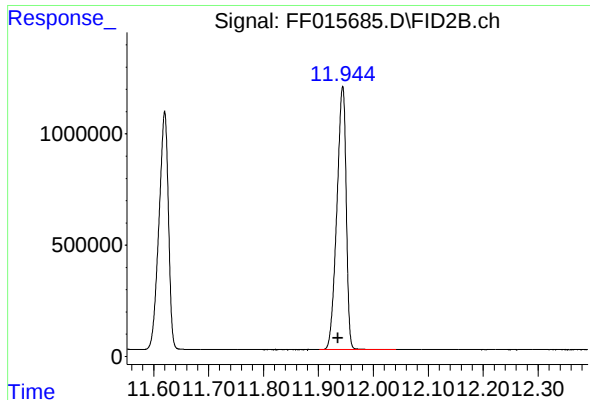
#7 n-Hexadecane (C16)

R.T.: 10.174 min
Delta R.T.: 0.006 min
Response: 12610037
Conc: 89.05 ug/ml



#8 n-Octadecane (C18)

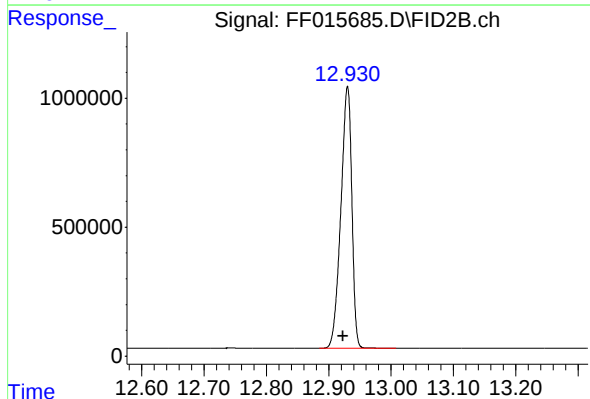
R.T.: 11.620 min
Delta R.T.: 0.008 min
Response: 12845153
Conc: 88.39 ug/ml



#9 ortho-Terphenyl (SURR)

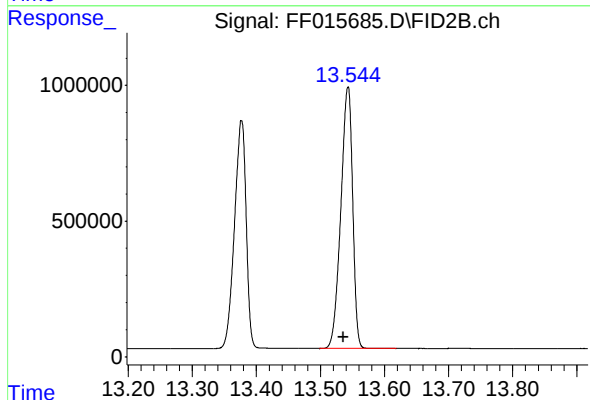
R.T.: 11.944 min
Delta R.T.: 0.008 min
Response: 13992114
Conc: 87.48 ug/ml

Instrument :
FID_F
ClientSampleId :
100 PPM ALIPHATIC HC STD1



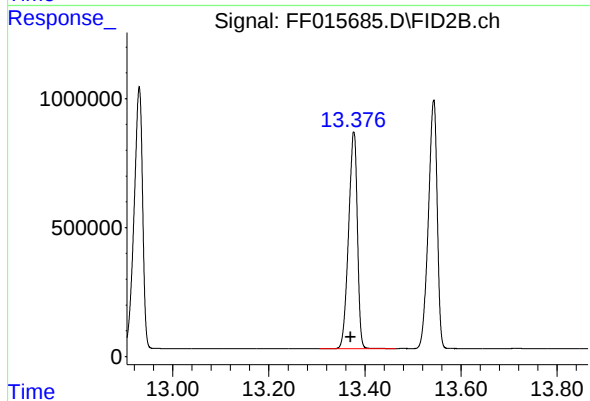
#10 n-Eicosane (C20)

R.T.: 12.930 min
Delta R.T.: 0.007 min
Response: 12429970
Conc: 87.51 ug/ml



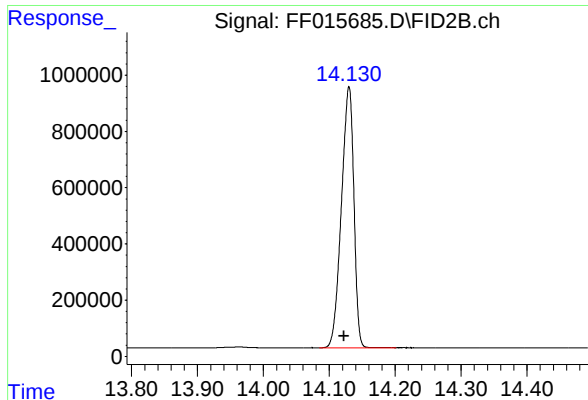
#11 n-Heneicosane (C21)

R.T.: 13.543 min
Delta R.T.: 0.007 min
Response: 12265608
Conc: 87.15 ug/ml



#12 1-chlorooctadecane (SURR)

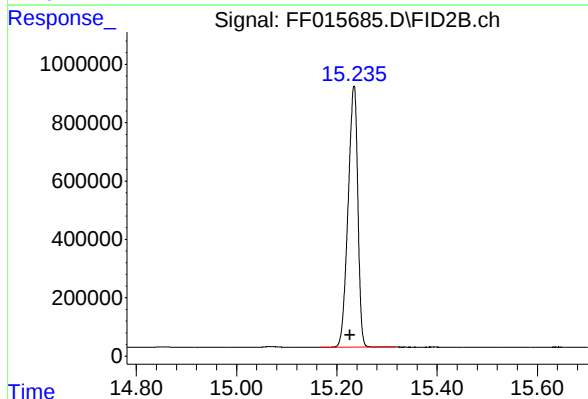
R.T.: 13.377 min
Delta R.T.: 0.006 min
Response: 10671595
Conc: 89.04 ug/ml



#13 n-Docosane (C22)

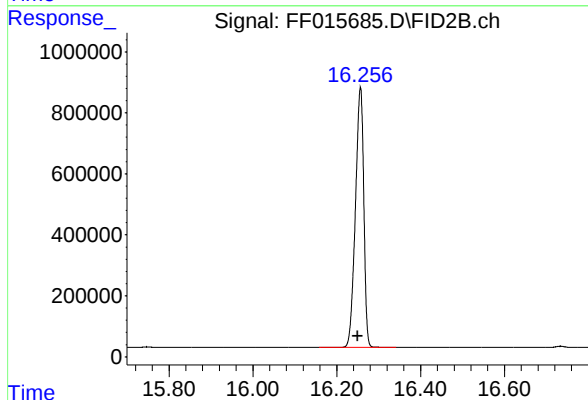
R.T.: 14.130 min
Delta R.T.: 0.007 min
Response: 12185094
Conc: 86.34 ug/ml

Instrument :
FID_F
ClientSampleId :
100 PPM ALIPHATIC HC STD1



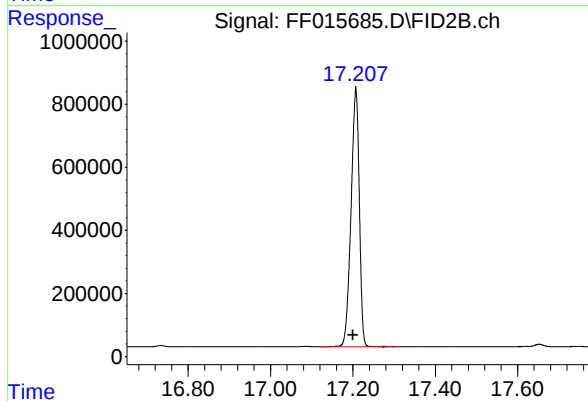
#14 n-Tetracosane (C24)

R.T.: 15.234 min
Delta R.T.: 0.007 min
Response: 12072256
Conc: 85.40 ug/ml



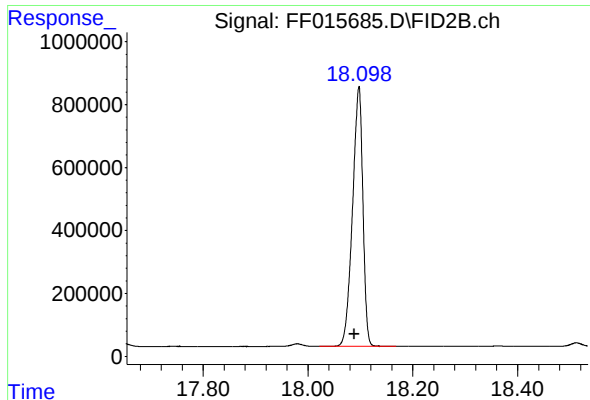
#15 n-Hexacosane (C26)

R.T.: 16.256 min
Delta R.T.: 0.007 min
Response: 11767801
Conc: 84.96 ug/ml



#16 n-Octacosane (C28)

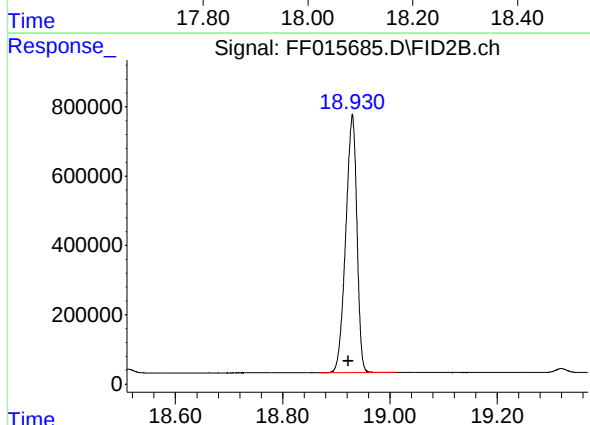
R.T.: 17.207 min
Delta R.T.: 0.007 min
Response: 11390456
Conc: 82.34 ug/ml



#17 n-Tricontane (C30)

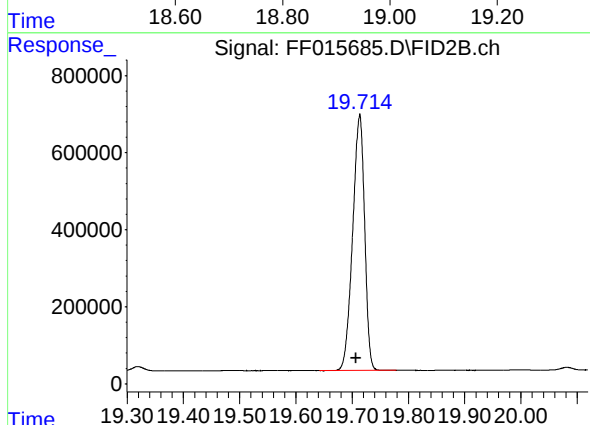
R.T.: 18.097 min
Delta R.T.: 0.008 min
Response: 11327654
Conc: 79.09 ug/ml

Instrument :
FID_F
ClientSampleId :
100 PPM ALIPHATIC HC STD1



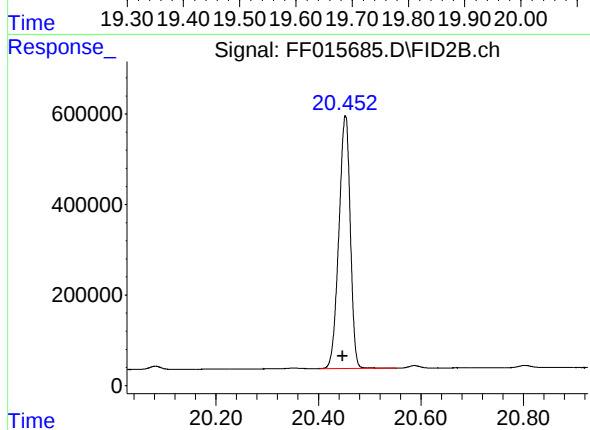
#18 n-Dotriacontane (C32)

R.T.: 18.930 min
Delta R.T.: 0.007 min
Response: 10744785
Conc: 77.60 ug/ml



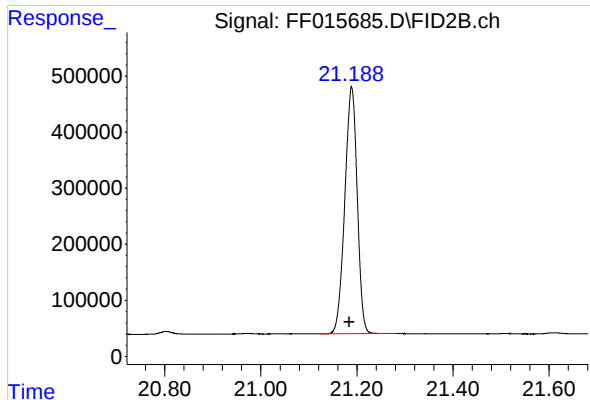
#19 n-Tetatriacontane (C34)

R.T.: 19.713 min
Delta R.T.: 0.007 min
Response: 9816099
Conc: 78.99 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.452 min
Delta R.T.: 0.005 min
Response: 8638482
Conc: 81.95 ug/ml



#21 n-Octatriacontane (C38)

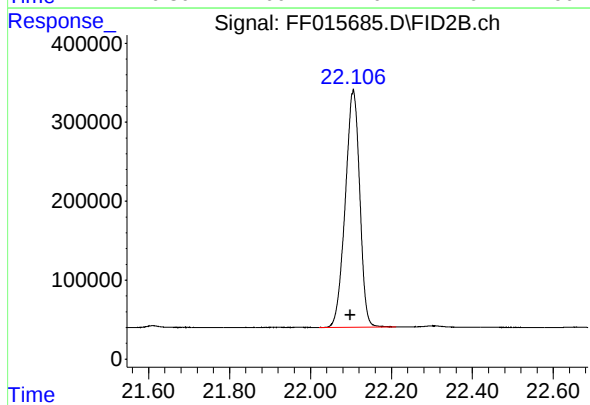
R.T.: 21.189 min
Delta R.T.: 0.005 min
Response: 7910401
Conc: 84.73 ug/ml

Instrument :

FID_F

ClientSampleId :

100 PPM ALIPHATIC HC STD1



#22 n-Tetracontane (C40)

R.T.: 22.105 min
Delta R.T.: 0.006 min
Response: 7457589
Conc: 86.91 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF031725AL\
Data File : FF015685.D
Signal(s) : FID2B.ch
Acq On : 17 Mar 2025 17:32
Sample : 100 PPM ALIPHATIC HC STD1
Misc :
ALS Vial : 21 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 031725.M
Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.312	3.278	3.418	BB	1140419	11714769	83.72%	4.657%
2	4.570	4.528	4.671	BB	1183155	11941532	85.34%	4.748%
3	6.279	6.245	6.471	BB	1265304	12962083	92.64%	5.153%
4	6.737	6.688	6.848	BB	1167232	12135452	86.73%	4.825%
5	7.376	7.336	7.555	PV	1159355	12513053	89.43%	4.975%
6	8.565	8.528	8.661	BB	1116147	12139898	86.76%	4.826%
7	10.174	10.135	10.275	BB	1098848	12610037	90.12%	5.013%
8	11.620	11.575	11.691	BV	1077834	12845153	91.80%	5.107%
9	11.944	11.901	12.041	BB	1191934	13992114	100.00%	5.563%
10	12.930	12.885	13.008	BB	1022308	12429970	88.84%	4.942%
11	13.377	13.305	13.465	BB	847879	10671595	76.27%	4.243%
12	13.543	13.498	13.618	BB	959532	12265608	87.66%	4.876%
13	14.130	14.085	14.201	BB	936993	12185094	87.09%	4.844%
14	15.234	15.165	15.318	BB	902498	12072256	86.28%	4.799%
15	16.256	16.158	16.341	BB	861551	11767801	84.10%	4.678%
16	17.207	17.118	17.305	BB	820300	11390456	81.41%	4.528%
17	18.097	18.021	18.168	BB	834718	11327654	80.96%	4.503%
18	18.930	18.868	19.011	BB	745001	10744785	76.79%	4.272%
19	19.713	19.641	19.778	BB	668021	9816099	70.15%	3.903%
20	20.452	20.401	20.551	BV	558857	8638482	61.74%	3.434%
21	21.189	21.121	21.281	BB	440766	7910401	56.53%	3.145%
22	22.105	22.021	22.211	BB	298780	7457589	53.30%	2.965%
Sum of corrected areas:						251531881		

Aliphatic EPH 031725.M Tue Mar 18 02:42:54 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF031725AL\
 Data File : FF015686.D
 Signal(s) : FID2B.ch
 Acq On : 17 Mar 2025 18:01
 Operator : YP\AJ
 Sample : 50 PPM ALIPHATIC HC STD2
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 FID_F
 ClientSampleId :
 50 PPM ALIPHATIC HC STD2

Integration File: autoint1.e
 Quant Time: Mar 18 02:22:30 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 031725.M
 Quant Title : GC Extractables
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 Integrator: ChemStation

Volume Inj. : 1 ul
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 Signal Info : 20M x 0.18mm x 0.18um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
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Spiked Amount 50.000		Recovery =	91.17%
12) S 1-chlorooctadecane (S...	13.372	5563119	46.415 ug/ml
Spiked Amount 50.000		Recovery =	92.83%
Target Compounds			
1) T n-Nonane (C9)	3.311	6092632	46.149 ug/ml
2) T n-Decane (C10)	4.568	6207894	46.213 ug/ml
3) T A~Naphthalene (C11.7)	6.276	6629415	47.515 ug/ml
4) T n-Dodecane (C12)	6.734	6295682	46.101 ug/ml
5) T A~2-methylnaphthalene...	7.373	6382167	48.800 ug/ml
6) T n-Tetradecane (C14)	8.562	6305725	46.159 ug/ml
7) T n-Hexadecane (C16)	10.170	6550648	46.259 ug/ml
8) T n-Octadecane (C18)	11.614	6700763	46.108 ug/ml
10) T n-Eicosane (C20)	12.925	6513625	45.857 ug/ml
11) T n-Heneicosane (C21)	13.537	6433602	45.713 ug/ml
13) T n-Docosane (C22)	14.125	6434543	45.592 ug/ml
14) T n-Tetracosane (C24)	15.229	6461530	45.712 ug/ml
15) T n-Hexacosane (C26)	16.252	6321268	45.638 ug/ml
16) T n-Octacosane (C28)	17.202	6169883	44.601 ug/ml
17) T n-Tricontane (C30)	18.091	6147370	42.922 ug/ml
18) T n-Dotriacontane (C32)	18.924	5836343	42.151 ug/ml
19) T n-Tetratriacontane (C34)	19.708	5274079	42.440 ug/ml
20) T n-Hexatriacontane (C36)	20.449	4589204	43.537 ug/ml
21) T n-Octatriacontane (C38)	21.186	4197637	44.963 ug/ml
22) T n-Tetracontane (C40)	22.100	3968166	46.243 ug/ml

(f)=RT Delta > 1/2 Window

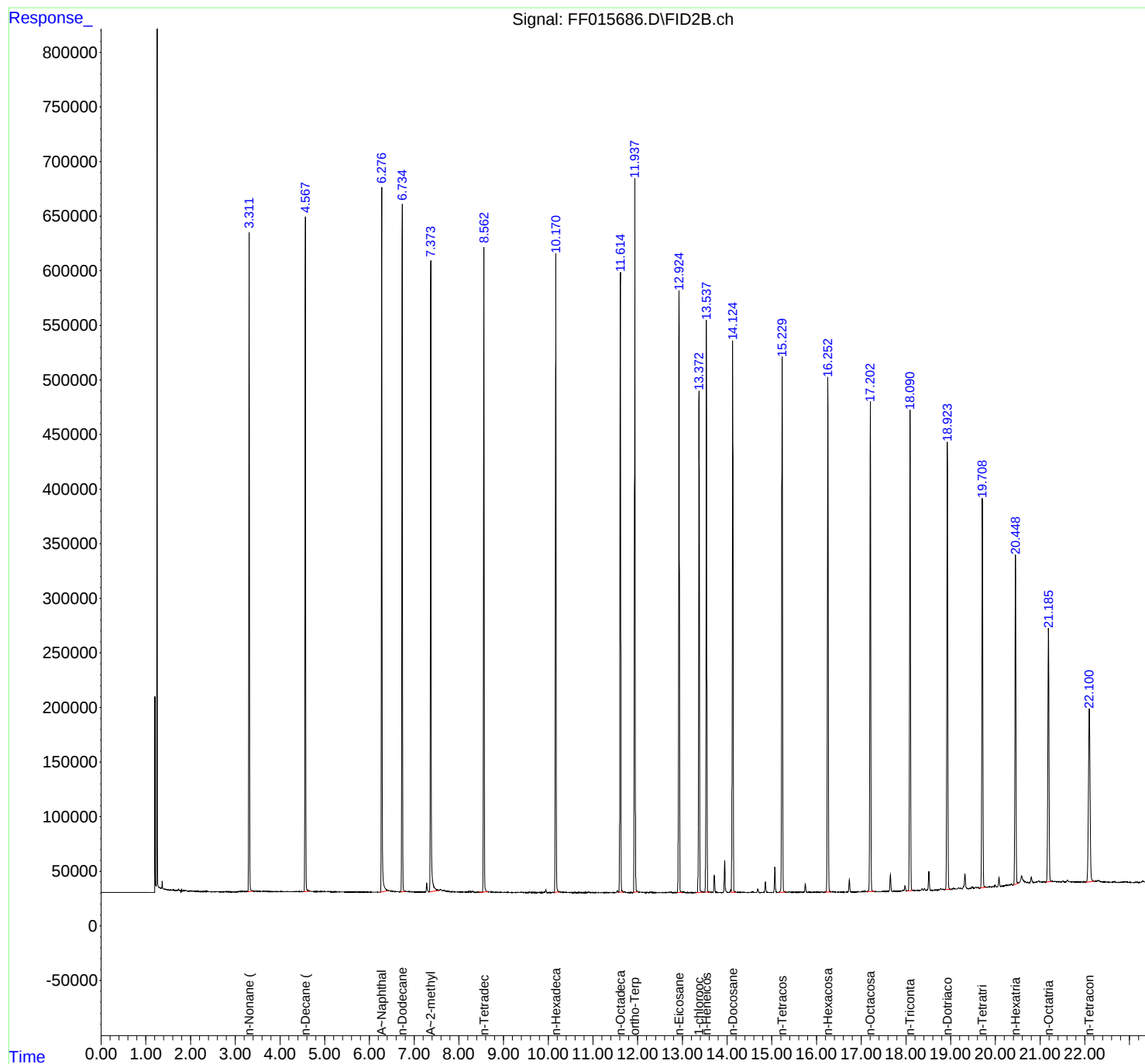
(m)=manual int.

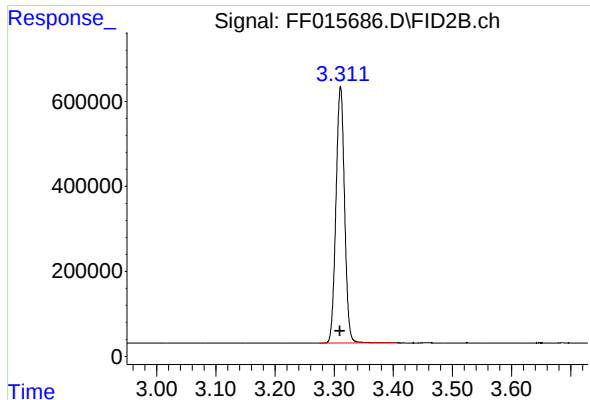
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF031725AL\
Data File : FF015686.D
Signal(s) : FID2B.ch
Acq On : 17 Mar 2025 18:01
Operator : YP\AJ
Sample : 50 PPM ALIPHATIC HC STD2
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
50 PPM ALIPHATIC HC STD2

Integration File: autoint1.e
Quant Time: Mar 18 02:22:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 031725.M
Quant Title : GC Extractables
QLast Update : Tue Mar 18 02:20:55 2025
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Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

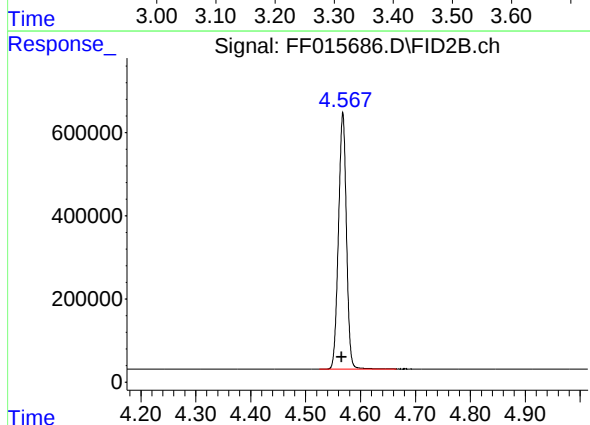




#1 n-Nonane (C9)

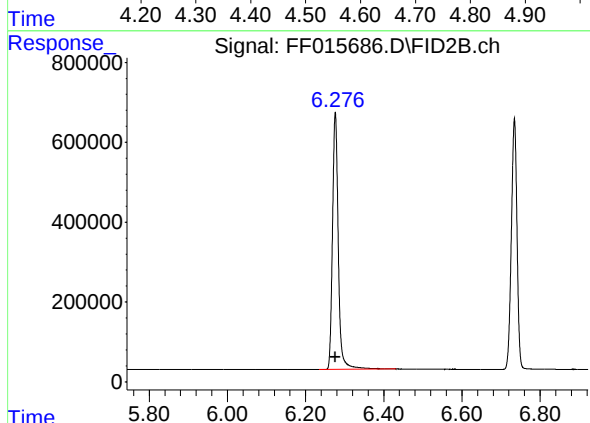
R.T.: 3.311 min
Delta R.T.: 0.000 min
Response: 6092632
Conc: 46.15 ug/ml

Instrument :
FID_F
ClientSampleId :
50 PPM ALIPHATIC HC STD2



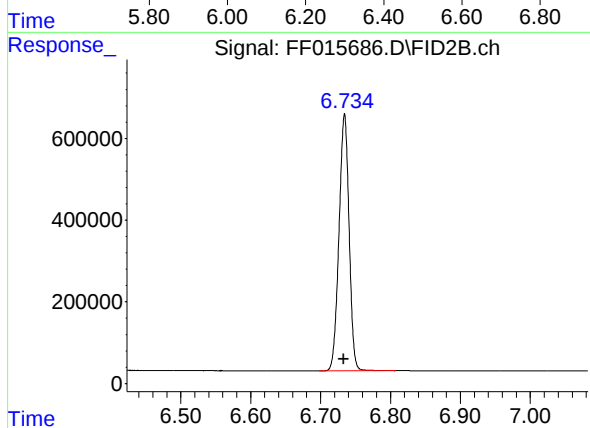
#2 n-Decane (C10)

R.T.: 4.568 min
Delta R.T.: 0.002 min
Response: 6207894
Conc: 46.21 ug/ml



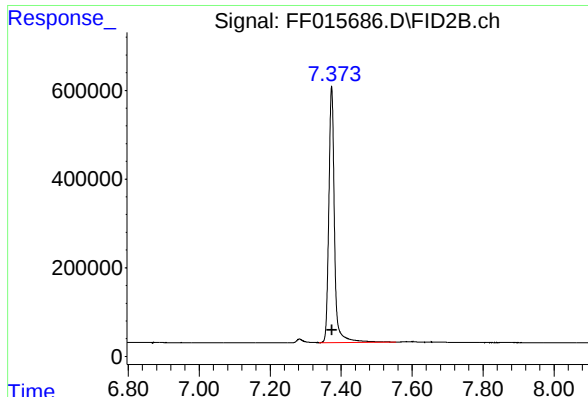
#3 A~Naphthalene (C11.7)

R.T.: 6.276 min
Delta R.T.: 0.000 min
Response: 6629415
Conc: 47.51 ug/ml



#4 n-Dodecane (C12)

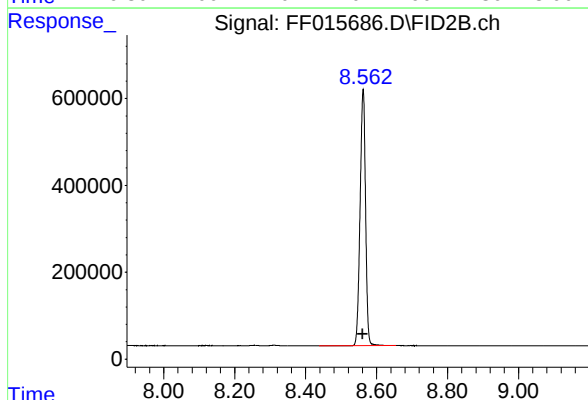
R.T.: 6.734 min
Delta R.T.: 0.001 min
Response: 6295682
Conc: 46.10 ug/ml



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

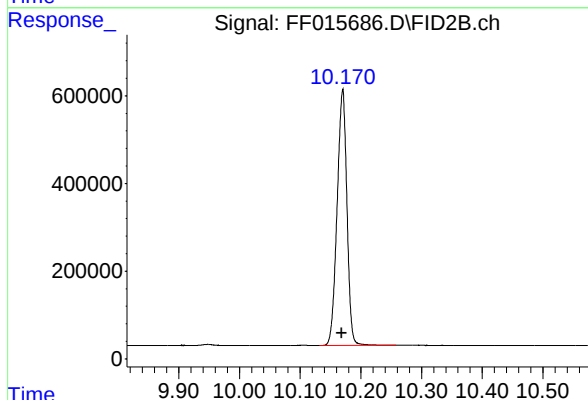
R.T.: 7.373 min
Delta R.T.: 0.000 min
Response: 6382167
Conc: 48.80 ug/ml

Instrument :
FID_F
ClientSampleId :
50 PPM ALIPHATIC HC STD2



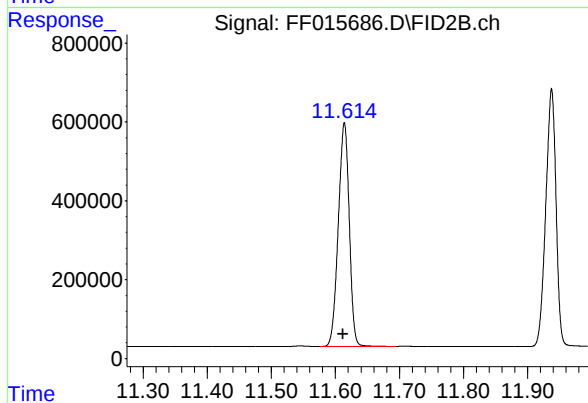
#6 n-Tetradecane (C14)

R.T.: 8.562 min
Delta R.T.: 0.001 min
Response: 6305725
Conc: 46.16 ug/ml



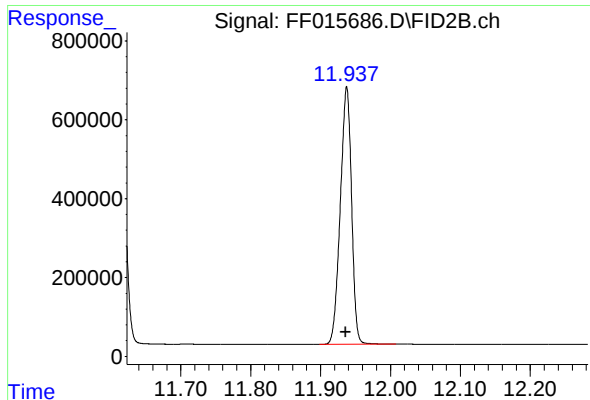
#7 n-Hexadecane (C16)

R.T.: 10.170 min
Delta R.T.: 0.001 min
Response: 6550648
Conc: 46.26 ug/ml



#8 n-Octadecane (C18)

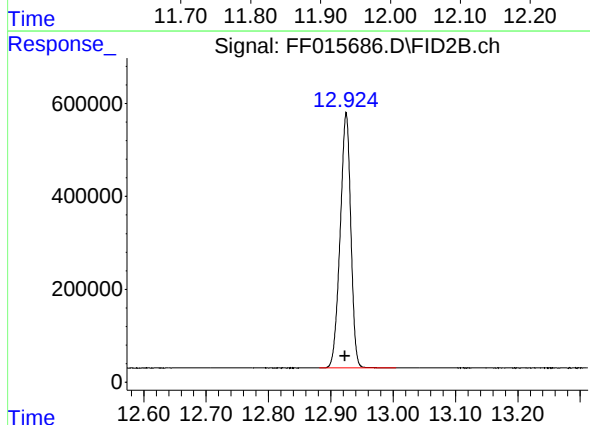
R.T.: 11.614 min
Delta R.T.: 0.002 min
Response: 6700763
Conc: 46.11 ug/ml



#9 ortho-Terphenyl (SURR)

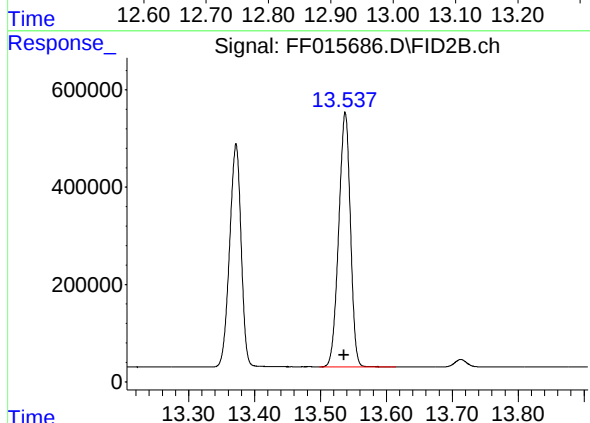
R.T.: 11.937 min
Delta R.T.: 0.001 min
Response: 7290625
Conc: 45.58 ug/ml

Instrument :
FID_F
ClientSampleId :
50 PPM ALIPHATIC HC STD2



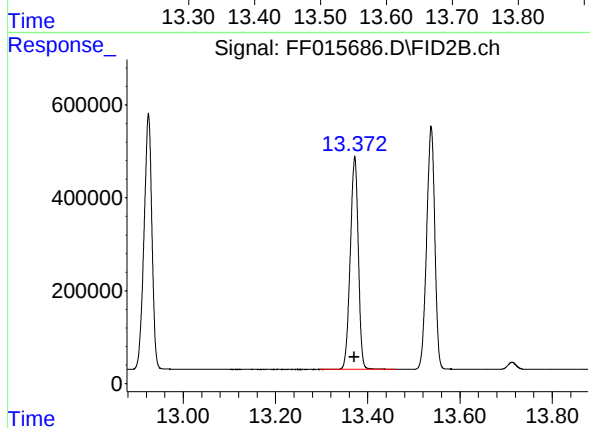
#10 n-Eicosane (C20)

R.T.: 12.925 min
Delta R.T.: 0.001 min
Response: 6513625
Conc: 45.86 ug/ml



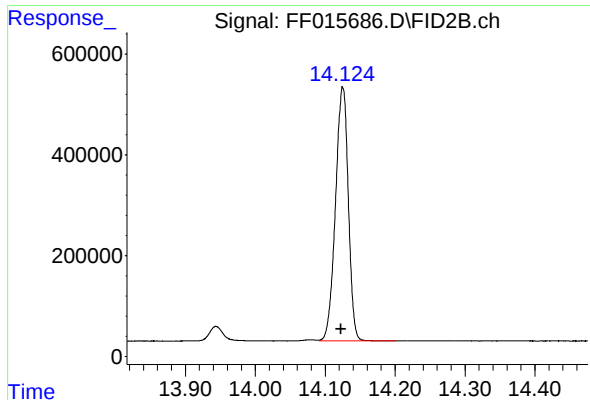
#11 n-Heneicosane (C21)

R.T.: 13.537 min
Delta R.T.: 0.002 min
Response: 6433602
Conc: 45.71 ug/ml



#12 1-chlorooctadecane (SURR)

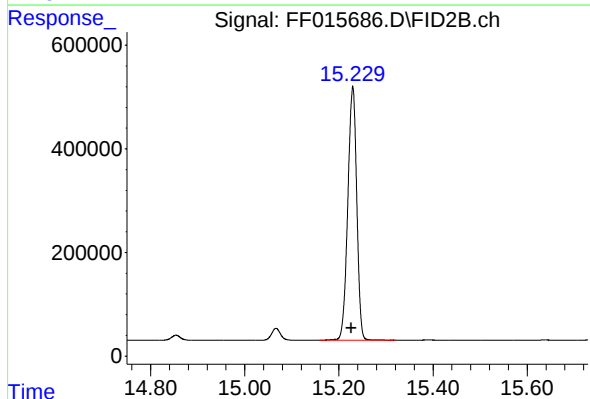
R.T.: 13.372 min
Delta R.T.: 0.001 min
Response: 5563119
Conc: 46.42 ug/ml



#13 n-Docosane (C22)

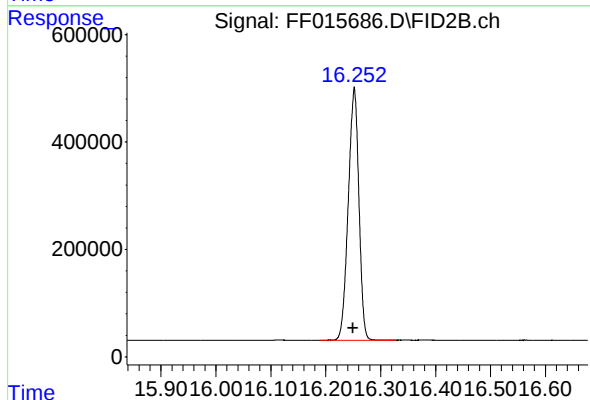
R.T.: 14.125 min
Delta R.T.: 0.002 min
Response: 6434543
Conc: 45.59 ug/ml

Instrument :
FID_F
ClientSampleId :
50 PPM ALIPHATIC HC STD2



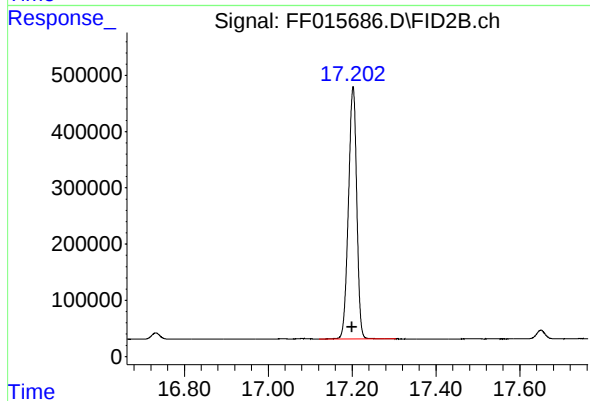
#14 n-Tetracosane (C24)

R.T.: 15.229 min
Delta R.T.: 0.003 min
Response: 6461530
Conc: 45.71 ug/ml



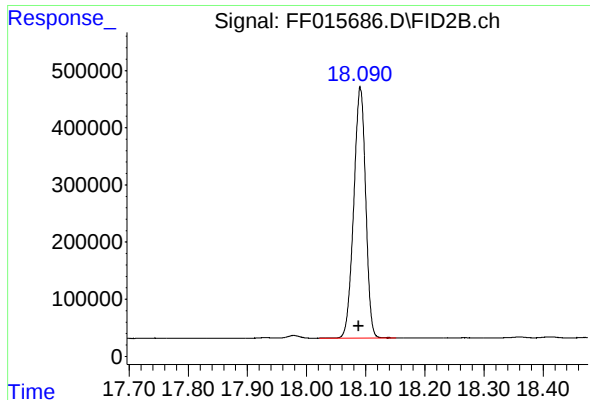
#15 n-Hexacosane (C26)

R.T.: 16.252 min
Delta R.T.: 0.002 min
Response: 6321268
Conc: 45.64 ug/ml



#16 n-Octacosane (C28)

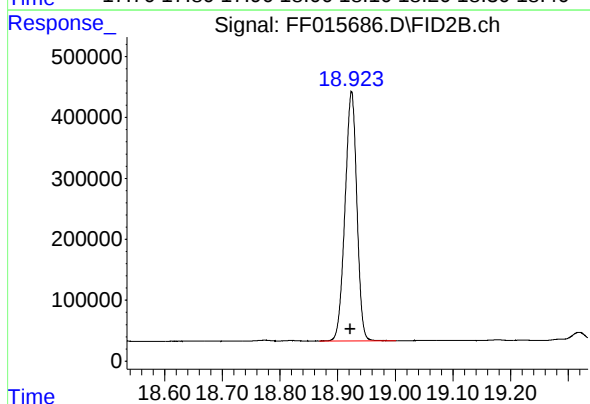
R.T.: 17.202 min
Delta R.T.: 0.002 min
Response: 6169883
Conc: 44.60 ug/ml



#17 n-Tricontane (C30)

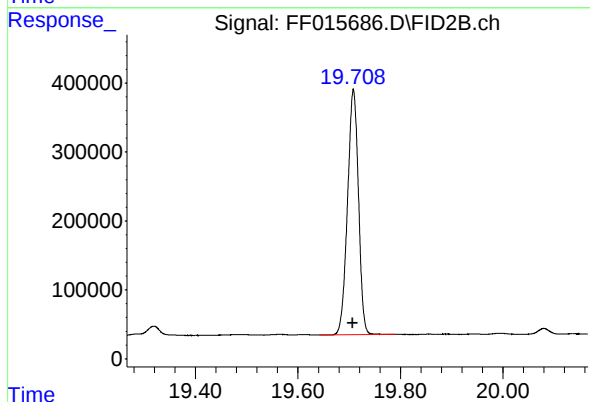
R.T.: 18.091 min
Delta R.T.: 0.002 min
Response: 6147370
Conc: 42.92 ug/ml

Instrument :
FID_F
ClientSampleId :
50 PPM ALIPHATIC HC STD2



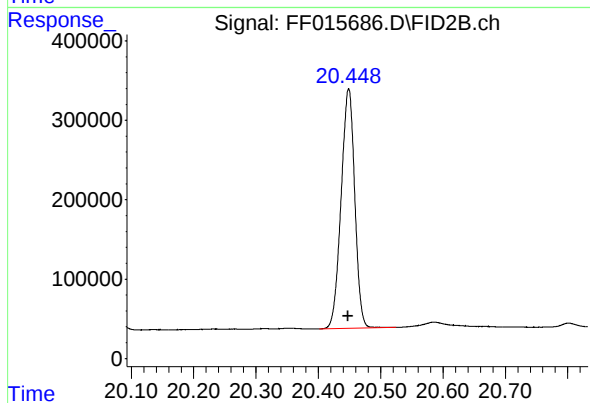
#18 n-Dotriacontane (C32)

R.T.: 18.924 min
Delta R.T.: 0.002 min
Response: 5836343
Conc: 42.15 ug/ml



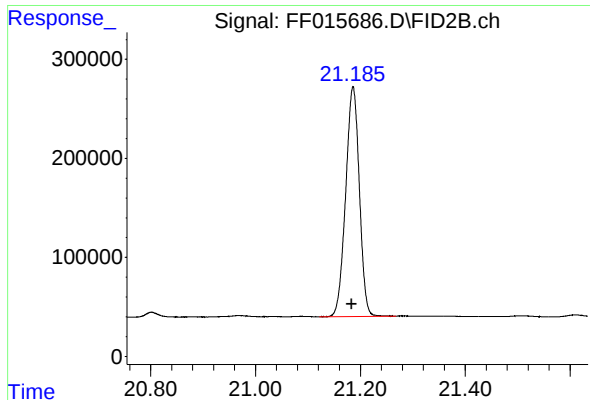
#19 n-Tetatriacontane (C34)

R.T.: 19.708 min
Delta R.T.: 0.002 min
Response: 5274079
Conc: 42.44 ug/ml



#20 n-Hexatriacontane (C36)

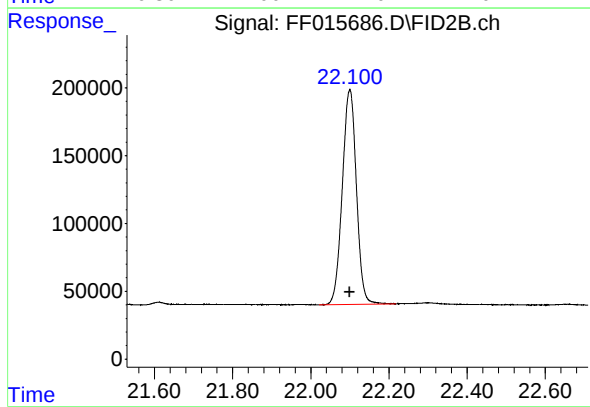
R.T.: 20.449 min
Delta R.T.: 0.001 min
Response: 4589204
Conc: 43.54 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.186 min
Delta R.T.: 0.002 min
Response: 4197637
Conc: 44.96 ug/ml

Instrument :
FID_F
ClientSampleId :
50 PPM ALIPHATIC HC STD2



#22 n-Tetracontane (C40)

R.T.: 22.100 min
Delta R.T.: 0.000 min
Response: 3968166
Conc: 46.24 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF031725AL\
Data File : FF015686.D
Signal(s) : FID2B.ch
Acq On : 17 Mar 2025 18:01
Sample : 50 PPM ALIPHATIC HC STD2
Misc :
ALS Vial : 22 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 031725.M
Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.311	3.275	3.405	BB	604659	6092632	83.57%	4.603%
2	4.568	4.525	4.665	BB	616634	6207894	85.15%	4.690%
3	6.276	6.235	6.431	BB	641967	6629415	90.93%	5.008%
4	6.734	6.698	6.808	BB	628330	6295682	86.35%	4.756%
5	7.373	7.338	7.555	PV	577816	6382167	87.54%	4.822%
6	8.562	8.438	8.655	BB	588328	6305725	86.49%	4.764%
7	10.170	10.131	10.258	BB	587121	6550648	89.85%	4.949%
8	11.614	11.575	11.695	BV	569057	6700763	91.91%	5.062%
9	11.937	11.898	12.008	BB	654839	7290625	100.00%	5.508%
10	12.925	12.881	13.005	BB	549797	6513625	89.34%	4.921%
11	13.372	13.295	13.461	BB	455885	5563119	76.31%	4.203%
12	13.537	13.498	13.615	BB	524256	6433602	88.24%	4.860%
13	14.125	14.091	14.201	VB	504967	6434543	88.26%	4.861%
14	15.229	15.158	15.321	BB	485601	6461530	88.63%	4.882%
15	16.252	16.188	16.328	BB	466871	6321268	86.70%	4.776%
16	17.202	17.121	17.305	BB	447276	6169883	84.63%	4.661%
17	18.091	18.021	18.151	BB	439046	6147370	84.32%	4.644%
18	18.924	18.868	19.001	BB	410699	5836343	80.05%	4.409%
19	19.708	19.641	19.791	BB	354825	5274079	72.34%	3.984%
20	20.449	20.401	20.525	BB	302055	4589204	62.95%	3.467%
21	21.186	21.121	21.268	BB	231875	4197637	57.58%	3.171%
22	22.100	22.021	22.218	BB	158709	3968166	54.43%	2.998%

Sum of corrected areas: 132365919

Aliphatic EPH 031725.M Tue Mar 18 02:43:32 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF031725AL\
 Data File : FF015687.D
 Signal(s) : FID2B.ch
 Acq On : 17 Mar 2025 18:31
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD3
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 FID_F
 ClientSampleId :
 20 PPM ALIPHATIC HC STD3

Integration File: autoint1.e
 Quant Time: Mar 18 02:22:59 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 031725.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 18 02:20:55 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)	11.936	3198868	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
12) S 1-chlorooctadecane (S...	13.371	2397098	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
Target Compounds			
1) T n-Nonane (C9)	3.310	2640406	20.000 ug/ml
2) T n-Decane (C10)	4.566	2686639	20.000 ug/ml
3) T A~Naphthalene (C11.7)	6.277	2790457	20.000 ug/ml
4) T n-Dodecane (C12)	6.733	2731281	20.000 ug/ml
5) T A~2-methylnaphthalene...	7.374	2615659	20.000 ug/ml
6) T n-Tetradecane (C14)	8.560	2732194	20.000 ug/ml
7) T n-Hexadecane (C16)	10.168	2832132	20.000 ug/ml
8) T n-Octadecane (C18)	11.612	2906526	20.000 ug/ml
10) T n-Eicosane (C20)	12.923	2840867	20.000 ug/ml
11) T n-Heneicosane (C21)	13.536	2814761	20.000 ug/ml
13) T n-Docosane (C22)	14.122	2822676	20.000 ug/ml
14) T n-Tetracosane (C24)	15.227	2827080	20.000 ug/ml
15) T n-Hexacosane (C26)	16.250	2770191	20.000 ug/ml
16) T n-Octacosane (C28)	17.200	2766729	20.000 ug/ml
17) T n-Tricontane (C30)	18.089	2864448	20.000 ug/ml
18) T n-Dotriacontane (C32)	18.922	2769226	20.000 ug/ml
19) T n-Tetratriacontane (C34)	19.707	2485455	20.000 ug/ml
20) T n-Hexatriacontane (C36)	20.447	2108187	20.000 ug/ml
21) T n-Octatriacontane (C38)	21.184	1867170	20.000 ug/ml
22) T n-Tetracontane (C40)	22.099	1716239	20.000 ug/ml

(f)=RT Delta > 1/2 Window

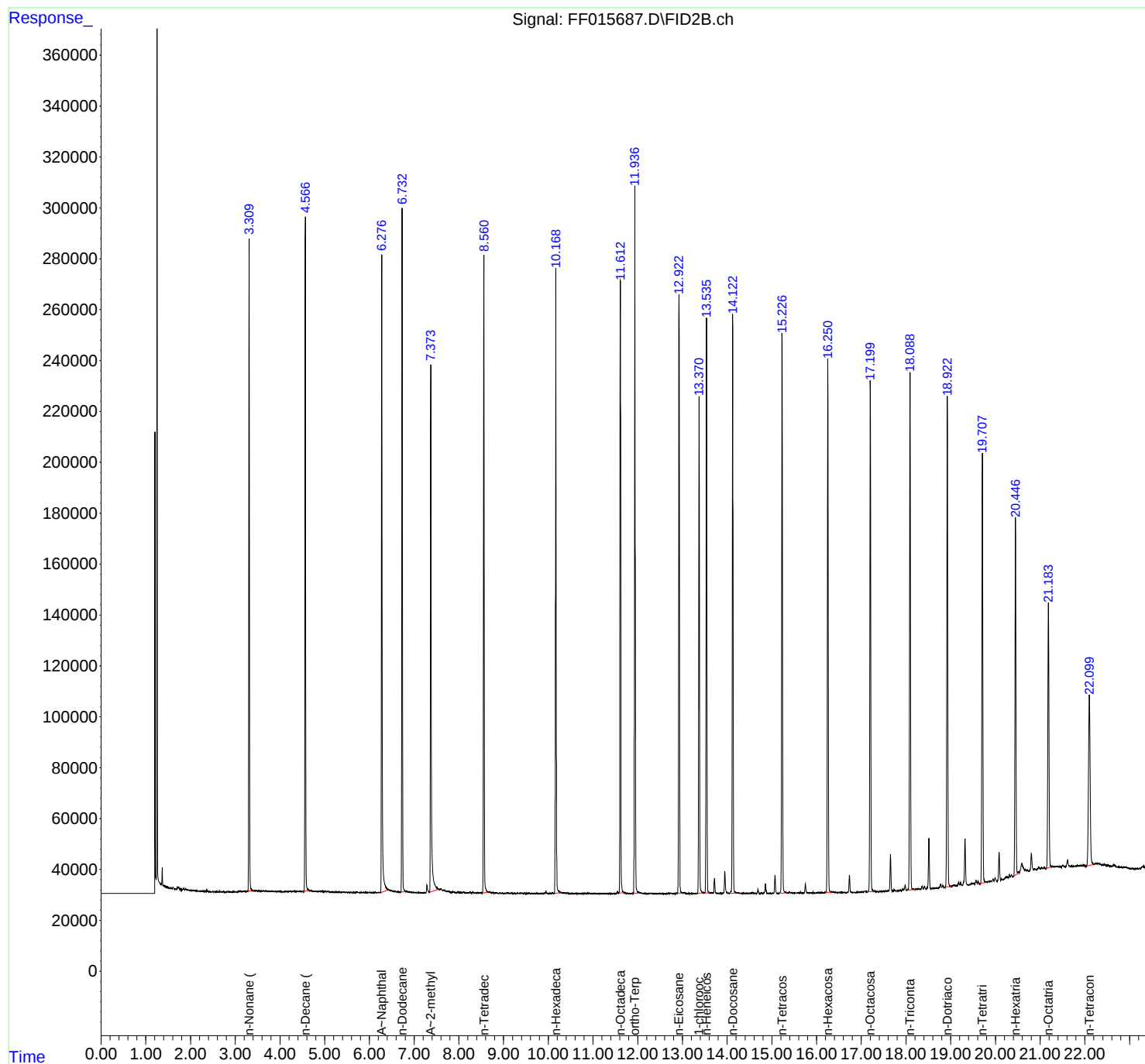
(m)=manual int.

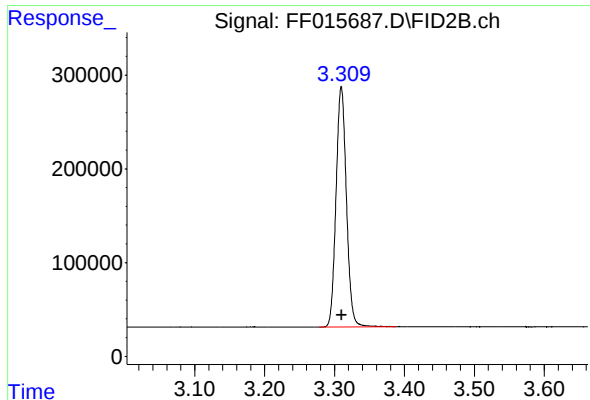
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF031725AL\
Data File : FF015687.D
Signal(s) : FID2B.ch
Acq On : 17 Mar 2025 18:31
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD3
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
20 PPM ALIPHATIC HC STD3

Integration File: autoint1.e
Quant Time: Mar 18 02:22:59 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 031725.M
Quant Title : GC Extractables
QLast Update : Tue Mar 18 02:20:55 2025
Response via : Initial Calibration
Integrator: ChemStation

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

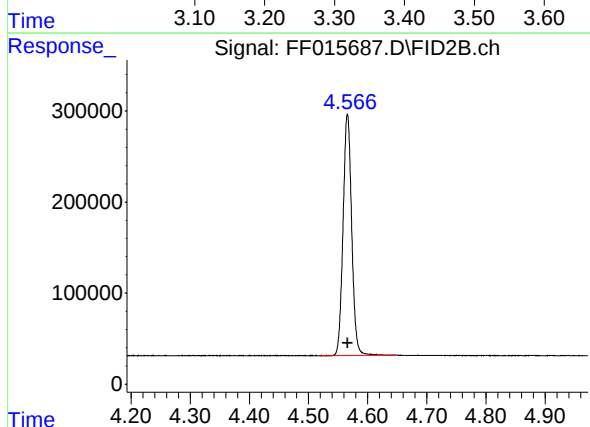




#1 n-Nonane (C9)

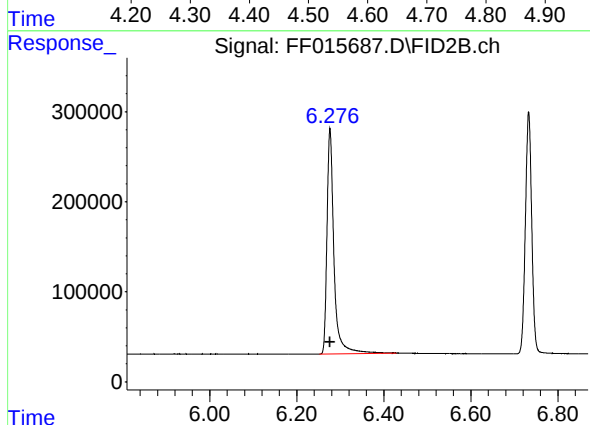
R.T.: 3.310 min
Delta R.T.: 0.000 min
Response: 2640406
Conc: 20.00 ug/ml

Instrument :
FID_F
ClientSampleId :
20 PPM ALIPHATIC HC STD3



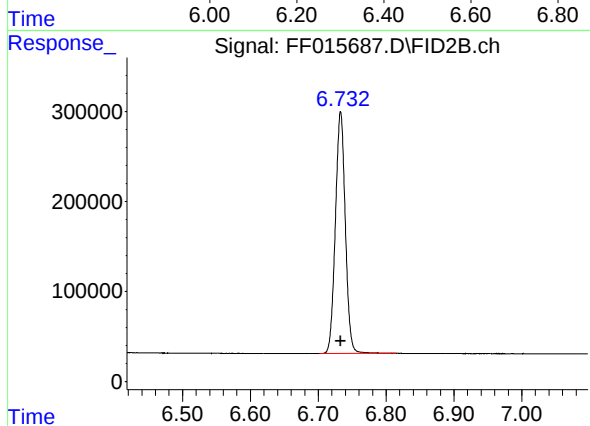
#2 n-Decane (C10)

R.T.: 4.566 min
Delta R.T.: 0.000 min
Response: 2686639
Conc: 20.00 ug/ml



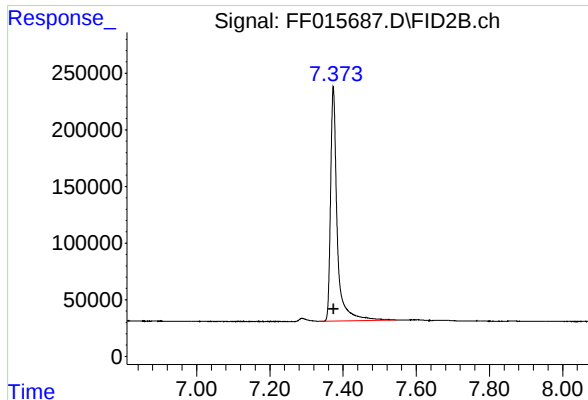
#3 A~Naphthalene (C11.7)

R.T.: 6.277 min
Delta R.T.: 0.000 min
Response: 2790457
Conc: 20.00 ug/ml



#4 n-Dodecane (C12)

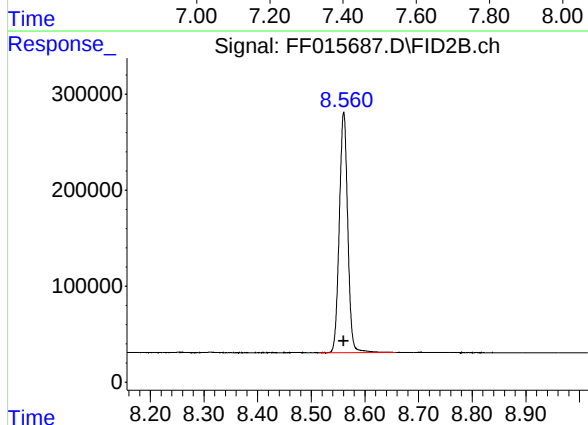
R.T.: 6.733 min
Delta R.T.: 0.000 min
Response: 2731281
Conc: 20.00 ug/ml



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

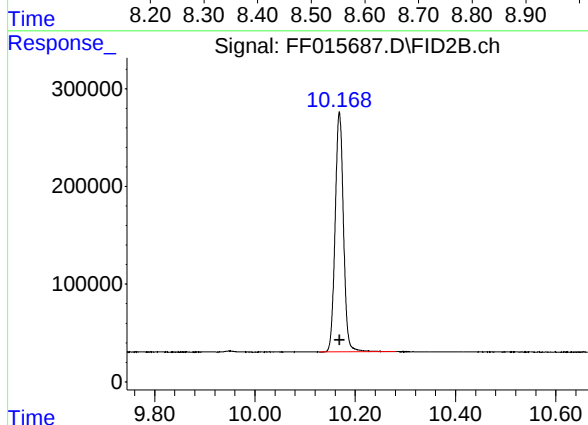
R.T.: 7.374 min
Delta R.T.: 0.000 min
Response: 2615659
Conc: 20.00 ug/ml

Instrument :
FID_F
ClientSampleId :
20 PPM ALIPHATIC HC STD3



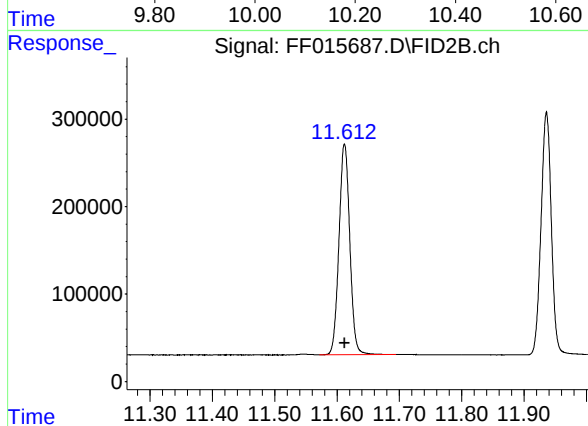
#6 n-Tetradecane (C14)

R.T.: 8.560 min
Delta R.T.: 0.000 min
Response: 2732194
Conc: 20.00 ug/ml



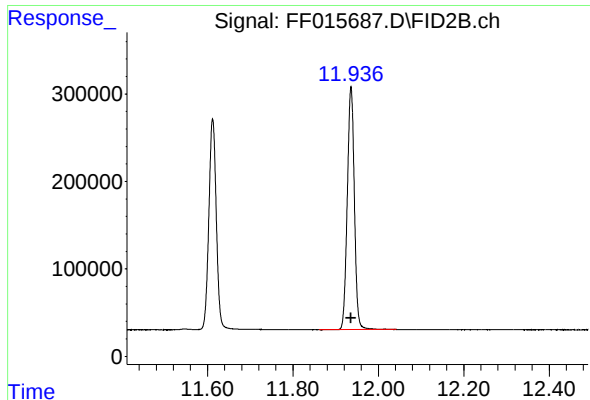
#7 n-Hexadecane (C16)

R.T.: 10.168 min
Delta R.T.: 0.000 min
Response: 2832132
Conc: 20.00 ug/ml



#8 n-Octadecane (C18)

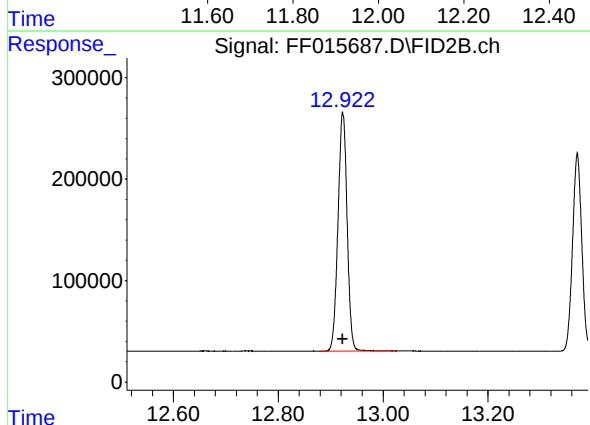
R.T.: 11.612 min
Delta R.T.: 0.000 min
Response: 2906526
Conc: 20.00 ug/ml



#9 ortho-Terphenyl (SURR)

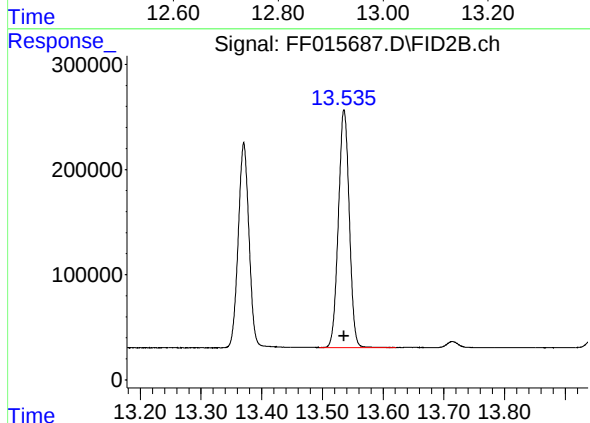
R.T.: 11.936 min
Delta R.T.: 0.000 min
Response: 3198868
Conc: 20.00 ug/ml

Instrument :
FID_F
ClientSampleId :
20 PPM ALIPHATIC HC STD3



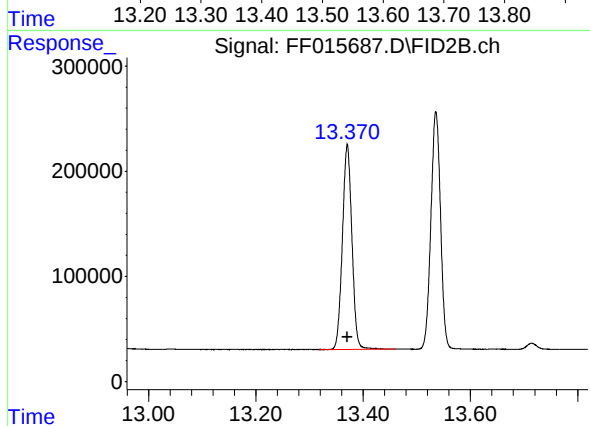
#10 n-Eicosane (C20)

R.T.: 12.923 min
Delta R.T.: 0.000 min
Response: 2840867
Conc: 20.00 ug/ml



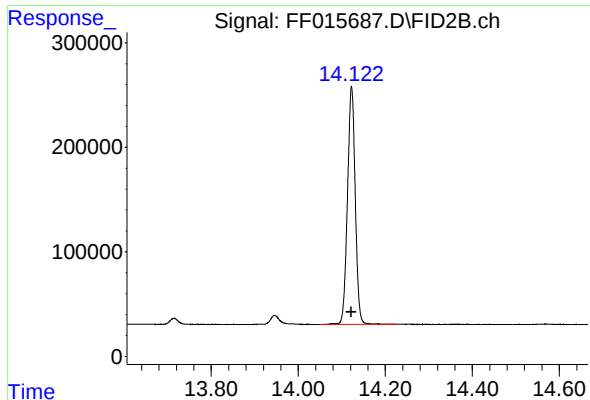
#11 n-Heneicosane (C21)

R.T.: 13.536 min
Delta R.T.: 0.000 min
Response: 2814761
Conc: 20.00 ug/ml



#12 1-chlorooctadecane (SURR)

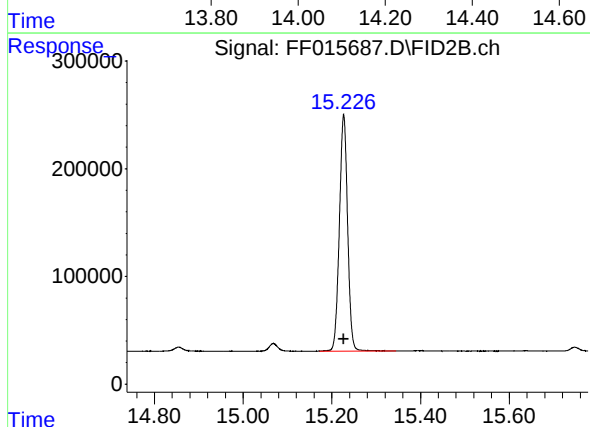
R.T.: 13.371 min
Delta R.T.: 0.000 min
Response: 2397098
Conc: 20.00 ug/ml



#13 n-Docosane (C22)

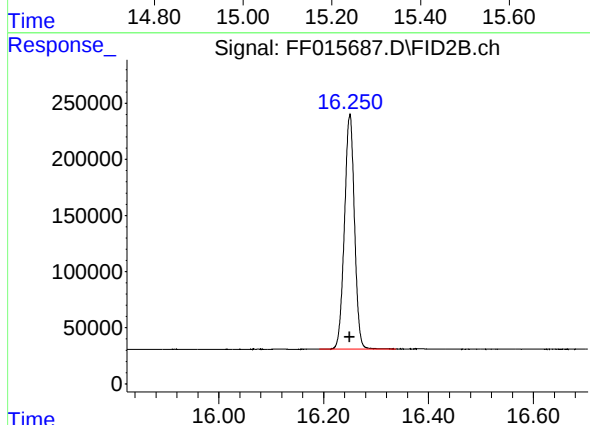
R.T.: 14.122 min
Delta R.T.: 0.000 min
Response: 2822676
Conc: 20.00 ug/ml

Instrument :
FID_F
ClientSampleId :
20 PPM ALIPHATIC HC STD3



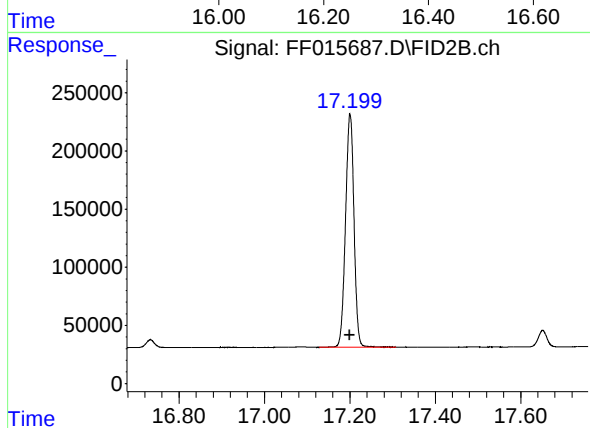
#14 n-Tetracosane (C24)

R.T.: 15.227 min
Delta R.T.: 0.000 min
Response: 2827080
Conc: 20.00 ug/ml



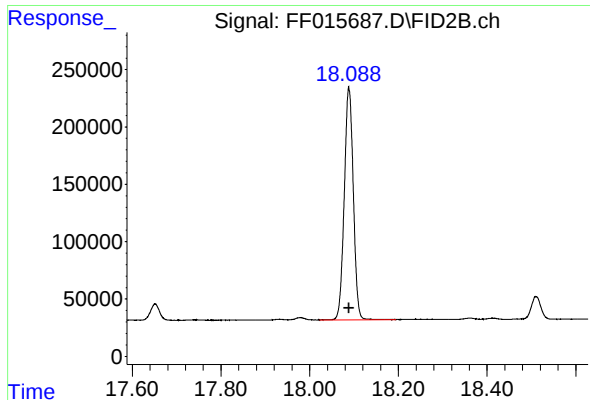
#15 n-Hexacosane (C26)

R.T.: 16.250 min
Delta R.T.: 0.000 min
Response: 2770191
Conc: 20.00 ug/ml



#16 n-Octacosane (C28)

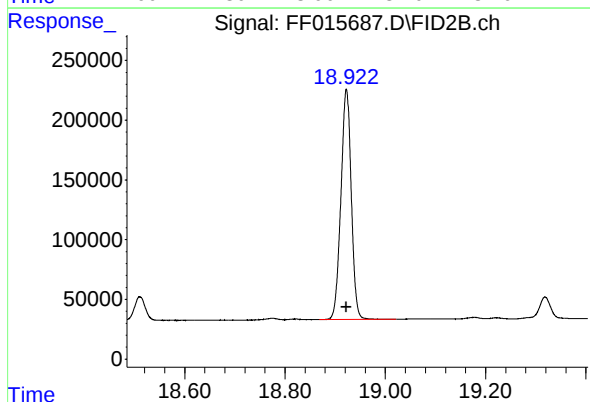
R.T.: 17.200 min
Delta R.T.: 0.000 min
Response: 2766729
Conc: 20.00 ug/ml



#17 n-Tricontane (C30)

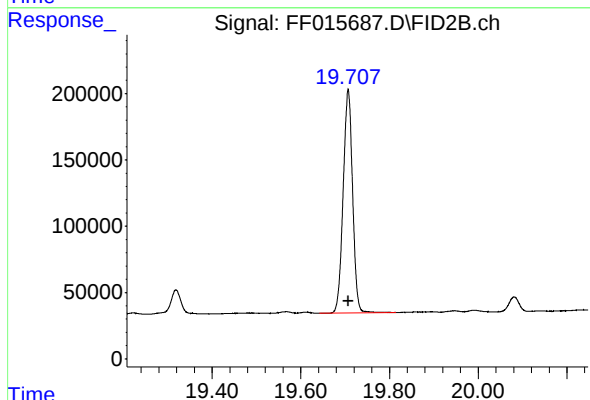
R.T.: 18.089 min
Delta R.T.: 0.000 min
Response: 2864448
Conc: 20.00 ug/ml

Instrument :
FID_F
ClientSampleId :
20 PPM ALIPHATIC HC STD3



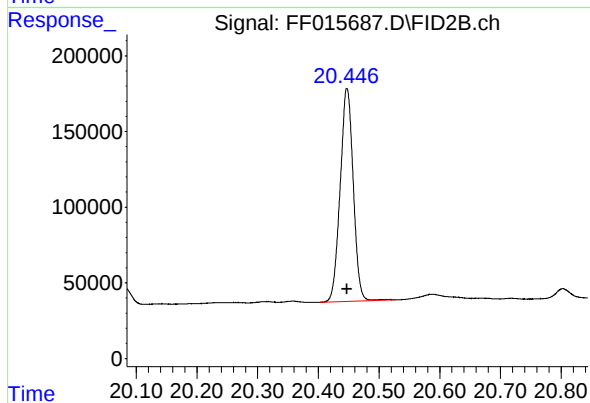
#18 n-Dotriacontane (C32)

R.T.: 18.922 min
Delta R.T.: 0.000 min
Response: 2769226
Conc: 20.00 ug/ml



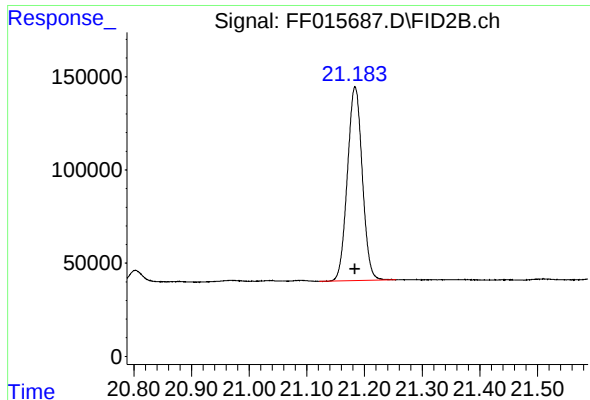
#19 n-Tetatriacontane (C34)

R.T.: 19.707 min
Delta R.T.: 0.000 min
Response: 2485455
Conc: 20.00 ug/ml



#20 n-Hexatriacontane (C36)

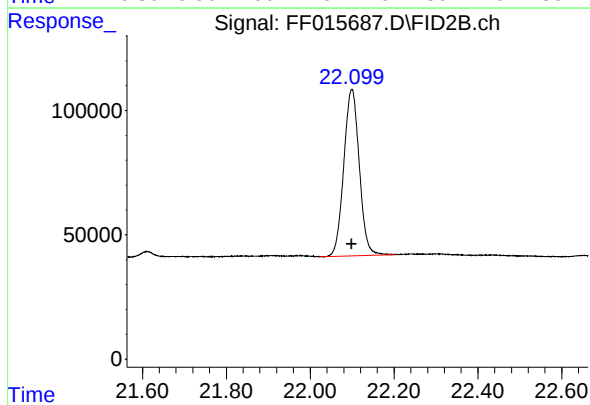
R.T.: 20.447 min
Delta R.T.: 0.000 min
Response: 2108187
Conc: 20.00 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.184 min
Delta R.T.: 0.000 min
Response: 1867170
Conc: 20.00 ug/ml

Instrument :
FID_F
ClientSampleId :
20 PPM ALIPHATIC HC STD3



#22 n-Tetracontane (C40)

R.T.: 22.099 min
Delta R.T.: 0.000 min
Response: 1716239
Conc: 20.00 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF031725AL\
Data File : FF015687.D
Signal(s) : FID2B.ch
Acq On : 17 Mar 2025 18:31
Sample : 20 PPM ALIPHATIC HC STD3
Misc :
ALS Vial : 23 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 031725.M
Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.310	3.278	3.388	BB	254939	2640406	82.54%	4.538%
2	4.566	4.518	4.648	BB	264784	2686639	83.99%	4.617%
3	6.277	6.251	6.428	BB	247031	2790457	87.23%	4.796%
4	6.733	6.701	6.815	BB	268017	2731281	85.38%	4.694%
5	7.374	7.335	7.545	PB	205195	2615659	81.77%	4.495%
6	8.560	8.515	8.658	BB	251765	2732194	85.41%	4.696%
7	10.168	10.128	10.281	BB	245276	2832132	88.54%	4.868%
8	11.612	11.571	11.695	BB	241352	2906526	90.86%	4.995%
9	11.936	11.861	12.041	BB	276851	3198868	100.00%	5.498%
10	12.923	12.878	13.025	BB	235421	2840867	88.81%	4.883%
11	13.371	13.318	13.461	BB	194528	2397098	74.94%	4.120%
12	13.536	13.495	13.621	BB	226548	2814761	87.99%	4.838%
13	14.122	14.048	14.225	BB	227198	2822676	88.24%	4.851%
14	15.227	15.171	15.345	BB	219692	2827080	88.38%	4.859%
15	16.250	16.191	16.338	BB	210876	2770191	86.60%	4.761%
16	17.200	17.128	17.308	BB	201188	2766729	86.49%	4.755%
17	18.089	18.021	18.195	BB	202364	2864448	89.55%	4.923%
18	18.922	18.868	19.021	BB	192960	2769226	86.57%	4.759%
19	19.707	19.641	19.815	BB	168904	2485455	77.70%	4.272%
20	20.447	20.401	20.528	BV	140849	2108187	65.90%	3.623%
21	21.184	21.121	21.255	BB	103919	1867170	58.37%	3.209%
22	22.099	22.021	22.205	BB	66968	1716239	53.65%	2.950%
Sum of corrected areas:							58184289	

Aliphatic EPH 031725.M Tue Mar 18 02:44:09 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF031725AL\
 Data File : FF015688.D
 Signal(s) : FID2B.ch
 Acq On : 17 Mar 2025 19:00
 Operator : YP\AJ
 Sample : 10 PPM ALIPHATIC HC STD4
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 FID_F
 ClientSampleId :
 10 PPM ALIPHATIC HC STD4

Integration File: autoint1.e
 Quant Time: Mar 18 02:23:28 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 031725.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 18 02:20:55 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)	11.935	1586641	9.920 ug/ml
Spiked Amount 50.000		Recovery =	19.84%
12) S 1-chlorooctadecane (S...	13.370	1164785	9.718 ug/ml
Spiked Amount 50.000		Recovery =	19.44%
Target Compounds			
1) T n-Nonane (C9)	3.310	1319054	9.991 ug/ml
2) T n-Decane (C10)	4.566	1332637	9.920 ug/ml
3) T A~Naphthalene (C11.7)	6.279	1308404	9.378 ug/ml
4) T n-Dodecane (C12)	6.733	1353221	9.909 ug/ml
5) T A~2-methylnaphthalene...	7.378	1171368	8.957 ug/ml
6) T n-Tetradecane (C14)	8.560	1350013	9.882 ug/ml
7) T n-Hexadecane (C16)	10.168	1390616	9.820 ug/ml
8) T n-Octadecane (C18)	11.611	1433261	9.862 ug/ml
10) T n-Eicosane (C20)	12.922	1402567	9.874 ug/ml
11) T n-Heneicosane (C21)	13.534	1392375	9.893 ug/ml
13) T n-Docosane (C22)	14.122	1411308	10.000 ug/ml
14) T n-Tetracosane (C24)	15.226	1421499	10.056 ug/ml
15) T n-Hexacosane (C26)	16.248	1388901	10.027 ug/ml
16) T n-Octacosane (C28)	17.199	1393527	10.073 ug/ml
17) T n-Tricontane (C30)	18.087	1439380	10.050 ug/ml
18) T n-Dotriacontane (C32)	18.921	1396830	10.088 ug/ml
19) T n-Tetratriacontane (C34)	19.706	1244338	10.013 ug/ml
20) T n-Hexatriacontane (C36)	20.447	1046165	9.925 ug/ml
21) T n-Octatriacontane (C38)	21.184	908498	9.731 ug/ml
22) T n-Tetracontane (C40)	22.100	822595	9.586 ug/ml

(f)=RT Delta > 1/2 Window

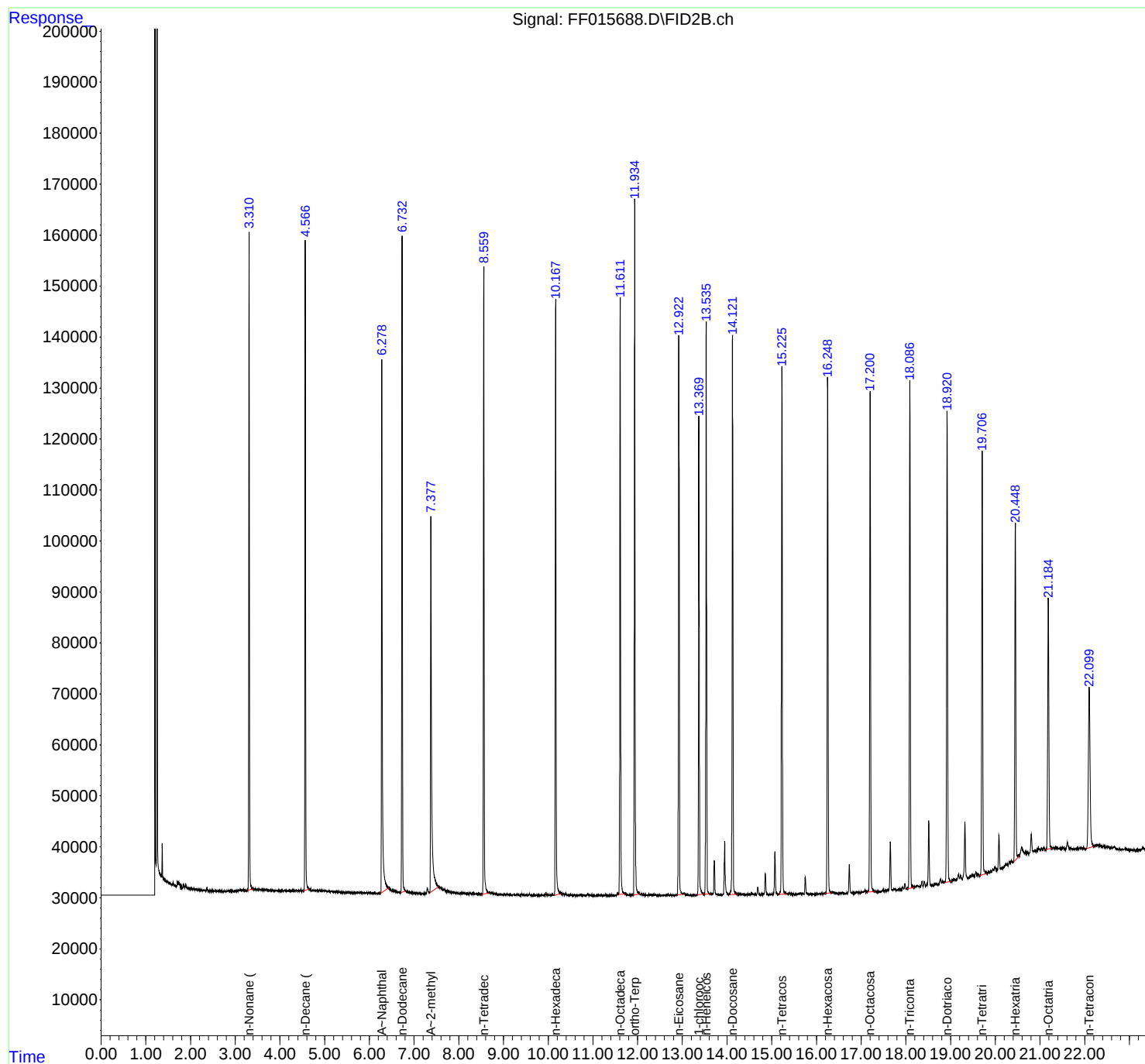
(m)=manual int.

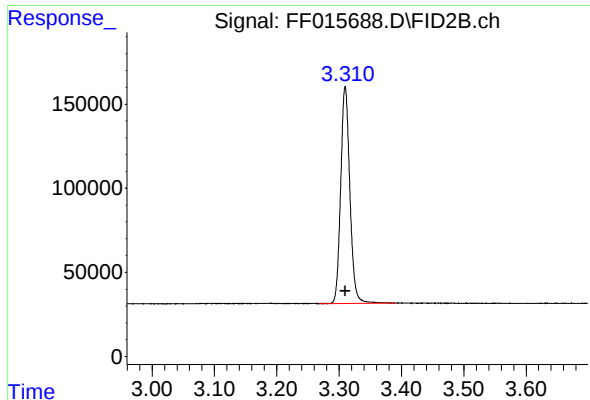
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF031725AL\
Data File : FF015688.D
Signal(s) : FID2B.ch
Acq On : 17 Mar 2025 19:00
Operator : YP\AJ
Sample : 10 PPM ALIPHATIC HC STD4
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
10 PPM ALIPHATIC HC STD4

Integration File: autoint1.e
Quant Time: Mar 18 02:23:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 031725.M
Quant Title : GC Extractables
QLast Update : Tue Mar 18 02:20:55 2025
Response via : Initial Calibration
Integrator: ChemStation

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

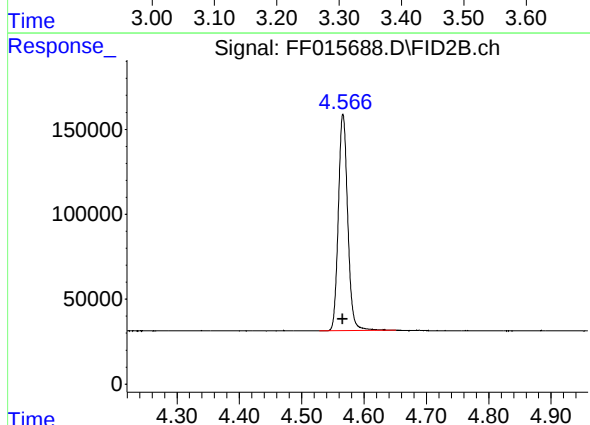




#1 n-Nonane (C9)

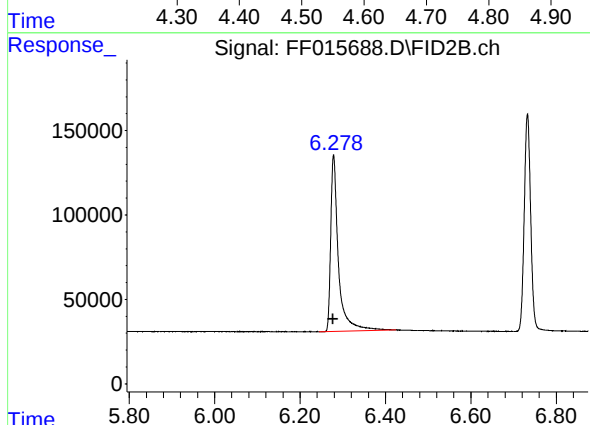
R.T.: 3.310 min
Delta R.T.: 0.000 min
Response: 1319054
Conc: 9.99 ug/ml

Instrument :
FID_F
ClientSampleId :
10 PPM ALIPHATIC HC STD4



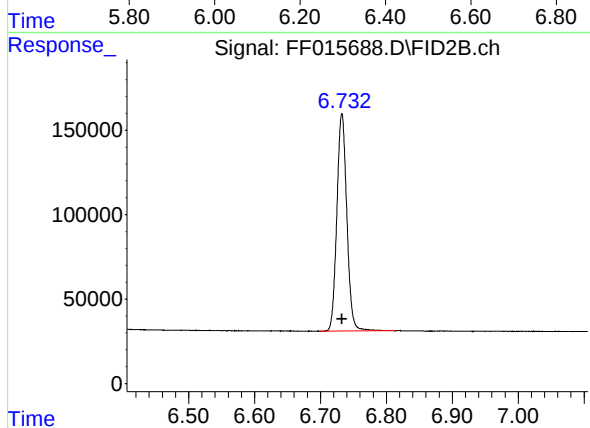
#2 n-Decane (C10)

R.T.: 4.566 min
Delta R.T.: 0.000 min
Response: 1332637
Conc: 9.92 ug/ml



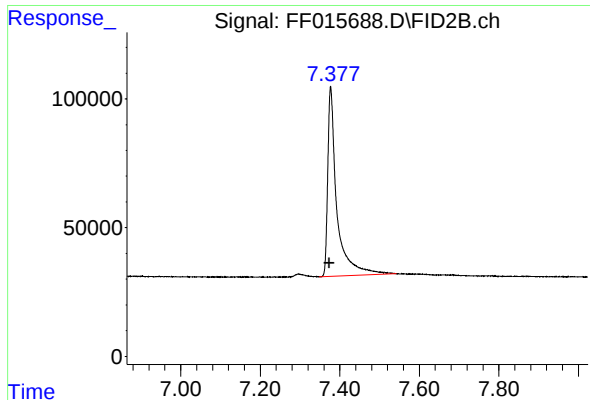
#3 A~Naphthalene (C11.7)

R.T.: 6.279 min
Delta R.T.: 0.002 min
Response: 1308404
Conc: 9.38 ug/ml



#4 n-Dodecane (C12)

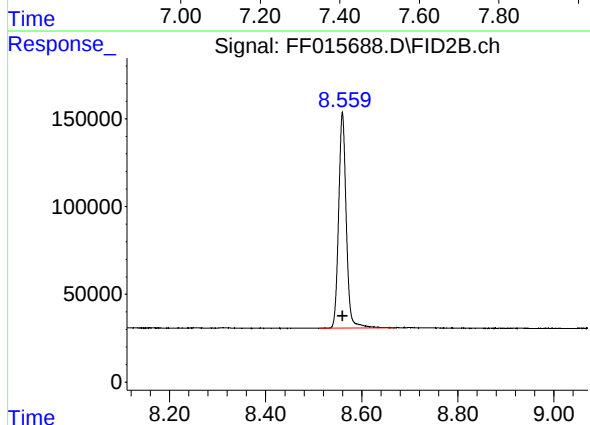
R.T.: 6.733 min
Delta R.T.: 0.000 min
Response: 1353221
Conc: 9.91 ug/ml



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

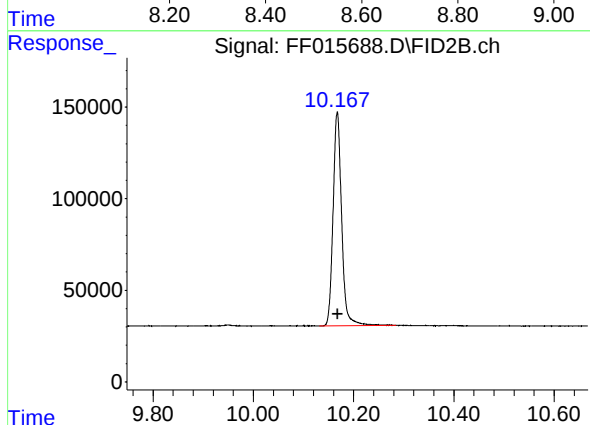
R.T.: 7.378 min
Delta R.T.: 0.004 min
Response: 1171368
Conc: 8.96 ug/ml

Instrument :
FID_F
ClientSampleId :
10 PPM ALIPHATIC HC STD4



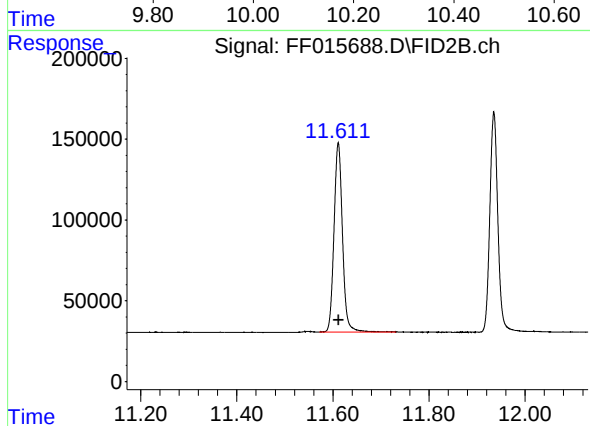
#6 n-Tetradecane (C14)

R.T.: 8.560 min
Delta R.T.: 0.000 min
Response: 1350013
Conc: 9.88 ug/ml



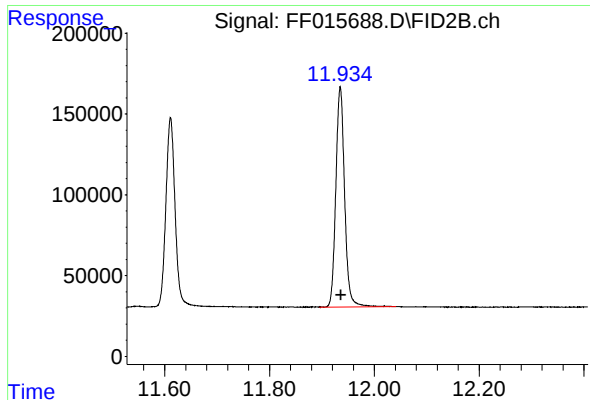
#7 n-Hexadecane (C16)

R.T.: 10.168 min
Delta R.T.: 0.000 min
Response: 1390616
Conc: 9.82 ug/ml



#8 n-Octadecane (C18)

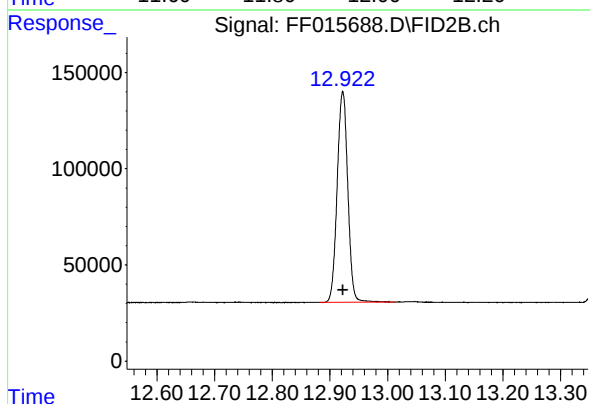
R.T.: 11.611 min
Delta R.T.: 0.000 min
Response: 1433261
Conc: 9.86 ug/ml



#9 ortho-Terphenyl (SURRE)

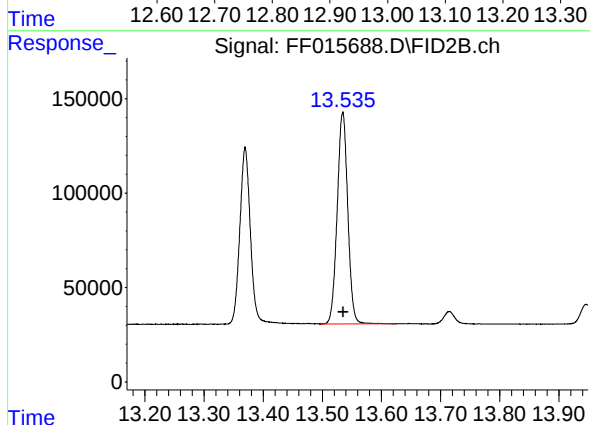
R.T.: 11.935 min
Delta R.T.: 0.000 min
Response: 1586641
Conc: 9.92 ug/ml

Instrument :
FID_F
ClientSampleId :
10 PPM ALIPHATIC HC STD4



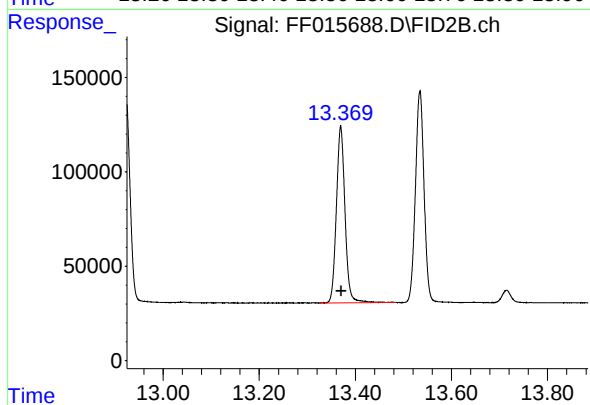
#10 n-Eicosane (C20)

R.T.: 12.922 min
Delta R.T.: 0.000 min
Response: 1402567
Conc: 9.87 ug/ml



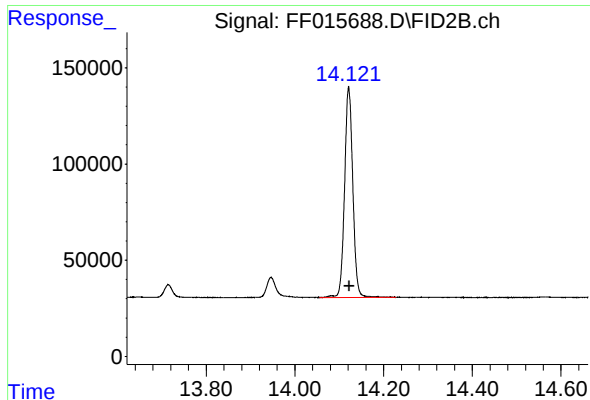
#11 n-Heneicosane (C21)

R.T.: 13.534 min
Delta R.T.: -0.001 min
Response: 1392375
Conc: 9.89 ug/ml



#12 1-chlorooctadecane (SURRE)

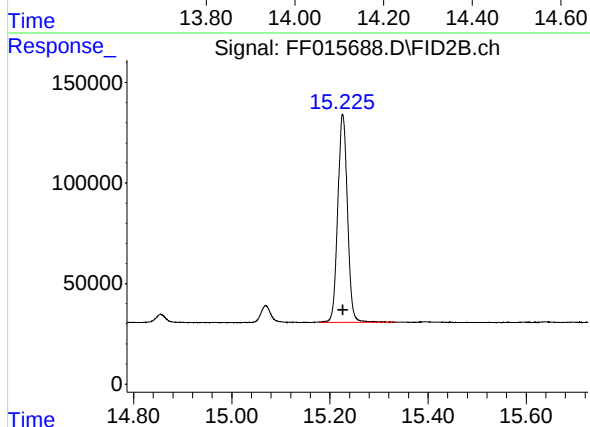
R.T.: 13.370 min
Delta R.T.: 0.000 min
Response: 1164785
Conc: 9.72 ug/ml



#13 n-Docosane (C22)

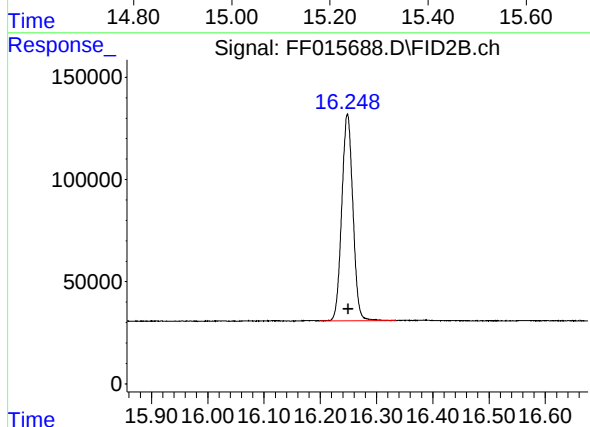
R.T.: 14.122 min
Delta R.T.: 0.000 min
Response: 1411308
Conc: 10.00 ug/ml

Instrument :
FID_F
ClientSampleId :
10 PPM ALIPHATIC HC STD4



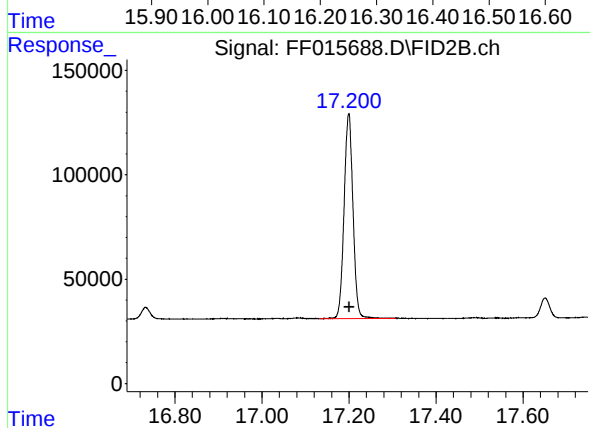
#14 n-Tetracosane (C24)

R.T.: 15.226 min
Delta R.T.: 0.000 min
Response: 1421499
Conc: 10.06 ug/ml



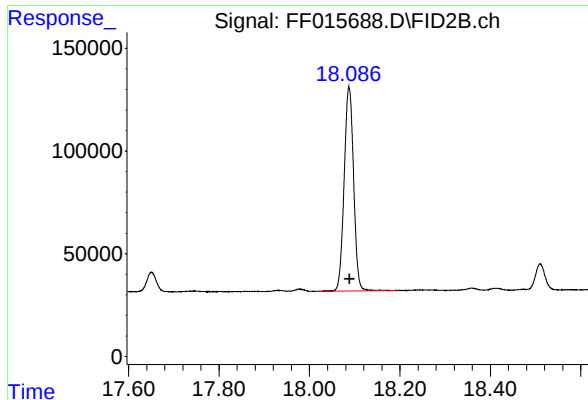
#15 n-Hexacosane (C26)

R.T.: 16.248 min
Delta R.T.: -0.001 min
Response: 1388901
Conc: 10.03 ug/ml



#16 n-Octacosane (C28)

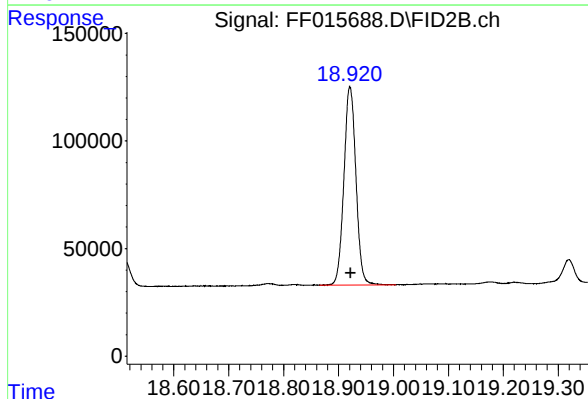
R.T.: 17.199 min
Delta R.T.: -0.001 min
Response: 1393527
Conc: 10.07 ug/ml



#17 n-Tricontane (C30)

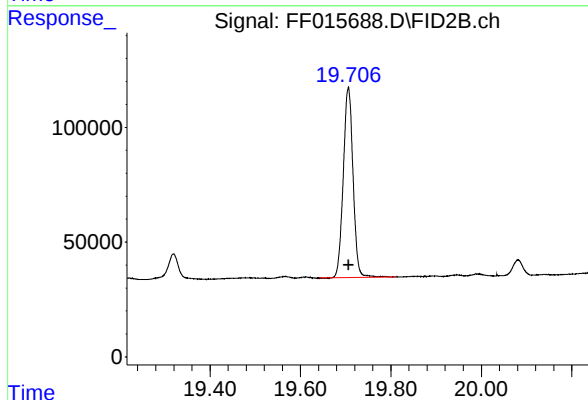
R.T.: 18.087 min
Delta R.T.: -0.001 min
Response: 1439380
Conc: 10.05 ug/ml

Instrument :
FID_F
ClientSampleId :
10 PPM ALIPHATIC HC STD4



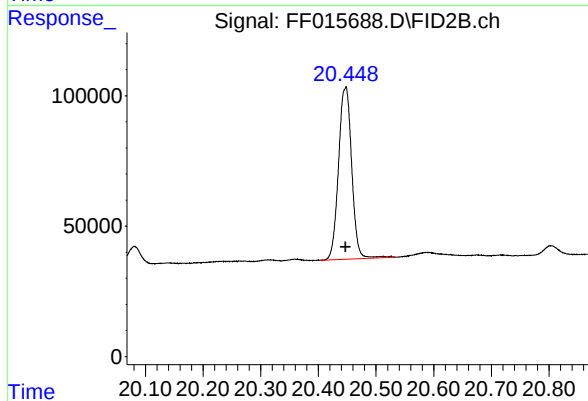
#18 n-Dotriacontane (C32)

R.T.: 18.921 min
Delta R.T.: -0.001 min
Response: 1396830
Conc: 10.09 ug/ml



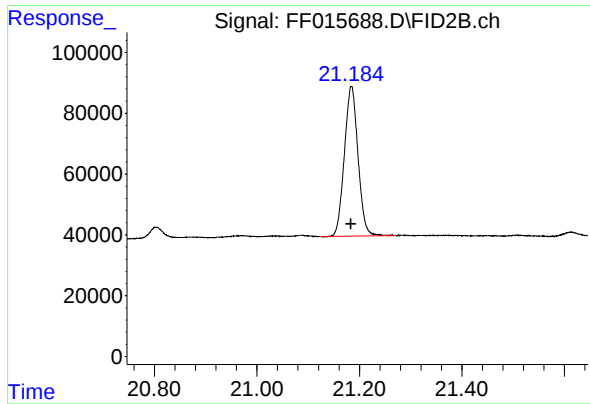
#19 n-Tetratriacontane (C34)

R.T.: 19.706 min
Delta R.T.: 0.000 min
Response: 1244338
Conc: 10.01 ug/ml



#20 n-Hexatriacontane (C36)

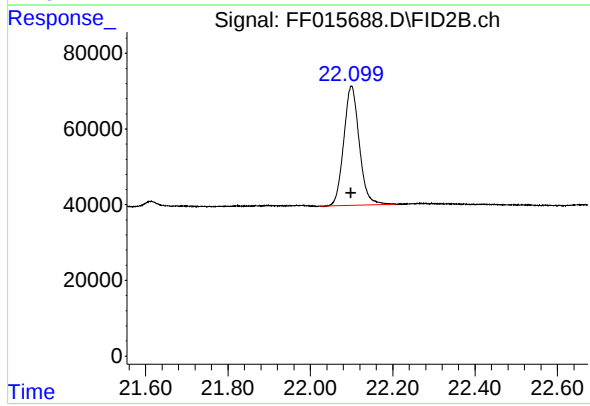
R.T.: 20.447 min
Delta R.T.: 0.000 min
Response: 1046165
Conc: 9.92 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.184 min
Delta R.T.: 0.000 min
Response: 908498
Conc: 9.73 ug/ml

Instrument :
FID_F
ClientSampleId :
10 PPM ALIPHATIC HC STD4



#22 n-Tetracontane (C40)

R.T.: 22.100 min
Delta R.T.: 0.000 min
Response: 822595
Conc: 9.59 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF031725AL\
Data File : FF015688.D
Signal(s) : FID2B.ch
Acq On : 17 Mar 2025 19:00
Sample : 10 PPM ALIPHATIC HC STD4
Misc :
ALS Vial : 24 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 031725.M
Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.310	3.268	3.391	BB	128417	1319054	83.13%	4.600%
2	4.566	4.528	4.651	BB	126788	1332637	83.99%	4.647%
3	6.279	6.245	6.425	BB	104311	1308404	82.46%	4.562%
4	6.733	6.698	6.815	BB	128255	1353221	85.29%	4.719%
5	7.378	7.348	7.541	BB	72745	1171368	73.83%	4.085%
6	8.560	8.511	8.671	BB	121656	1350013	85.09%	4.707%
7	10.168	10.131	10.285	BB	116415	1390616	87.65%	4.849%
8	11.611	11.571	11.731	BB	117015	1433261	90.33%	4.998%
9	11.935	11.895	12.041	BB	135735	1586641	100.00%	5.533%
10	12.922	12.881	13.015	BB	109492	1402567	88.40%	4.891%
11	13.370	13.325	13.485	BB	92602	1164785	73.41%	4.062%
12	13.534	13.495	13.625	BB	112137	1392375	87.76%	4.855%
13	14.122	14.055	14.228	BB	109022	1411308	88.95%	4.921%
14	15.226	15.178	15.335	BB	103957	1421499	89.59%	4.957%
15	16.248	16.198	16.335	BB	101253	1388901	87.54%	4.843%
16	17.199	17.131	17.308	BB	97734	1393527	87.83%	4.859%
17	18.088	18.021	18.191	BB	99283	1439380	90.72%	5.019%
18	18.921	18.865	19.005	BB	91962	1396830	88.04%	4.871%
19	19.706	19.641	19.811	BB	82660	1244338	78.43%	4.339%
20	20.447	20.401	20.535	BV	66333	1046165	65.94%	3.648%
21	21.184	21.121	21.271	BB	49468	908498	57.26%	3.168%
22	22.100	22.021	22.208	BB	31613	822595	51.85%	2.868%
Sum of corrected areas:							28677981	

Aliphatic EPH 031725.M Tue Mar 18 02:44:46 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF031725AL\
 Data File : FF015689.D
 Signal(s) : FID2B.ch
 Acq On : 17 Mar 2025 19:29
 Operator : YP\AJ
 Sample : 5 PPM ALIPHATIC HC STD5
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 FID_F
 ClientSampleId :
 5 PPM ALIPHATIC HC STD5

Integration File: autoint1.e
 Quant Time: Mar 18 02:23:59 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 031725.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 18 02:20:55 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)	11.937	787158	4.921 ug/ml
Spiked Amount 50.000		Recovery =	9.84%
12) S 1-chlorooctadecane (S...	13.372	565760	4.720 ug/ml
Spiked Amount 50.000		Recovery =	9.44%
Target Compounds			
1) T n-Nonane (C9)	3.310	651916	4.938 ug/ml
2) T n-Decane (C10)	4.567	654575	4.873 ug/ml
3) T A~Naphthalene (C11.7)	6.284	581787	4.170 ug/ml
4) T n-Dodecane (C12)	6.734	662198	4.849 ug/ml
5) T A~2-methylnaphthalene...	7.391	459107	3.510 ug/ml
6) T n-Tetradecane (C14)	8.561	642002	4.700 ug/ml
7) T n-Hexadecane (C16)	10.170	654183	4.620 ug/ml
8) T n-Octadecane (C18)	11.613	686997	4.727 ug/ml
10) T n-Eicosane (C20)	12.922	684975	4.822 ug/ml
11) T n-Heneicosane (C21)	13.535	684632	4.865 ug/ml
13) T n-Docosane (C22)	14.123	681413	4.828 ug/ml
14) T n-Tetracosane (C24)	15.227	679559	4.807 ug/ml
15) T n-Hexacosane (C26)	16.250	662207	4.781 ug/ml
16) T n-Octacosane (C28)	17.201	690855	4.994 ug/ml
17) T n-Tricontane (C30)	18.089	754378	5.267 ug/ml
18) T n-Dotriacontane (C32)	18.921	748490	5.406 ug/ml
19) T n-Tetratriacontane (C34)	19.706	656546	5.283 ug/ml
20) T n-Hexatriacontane (C36)	20.447	540749	5.130 ug/ml
21) T n-Octatriacontane (C38)	21.184	447971	4.798 ug/ml
22) T n-Tetracontane (C40)	22.101	396308	4.618 ug/ml

(f)=RT Delta > 1/2 Window

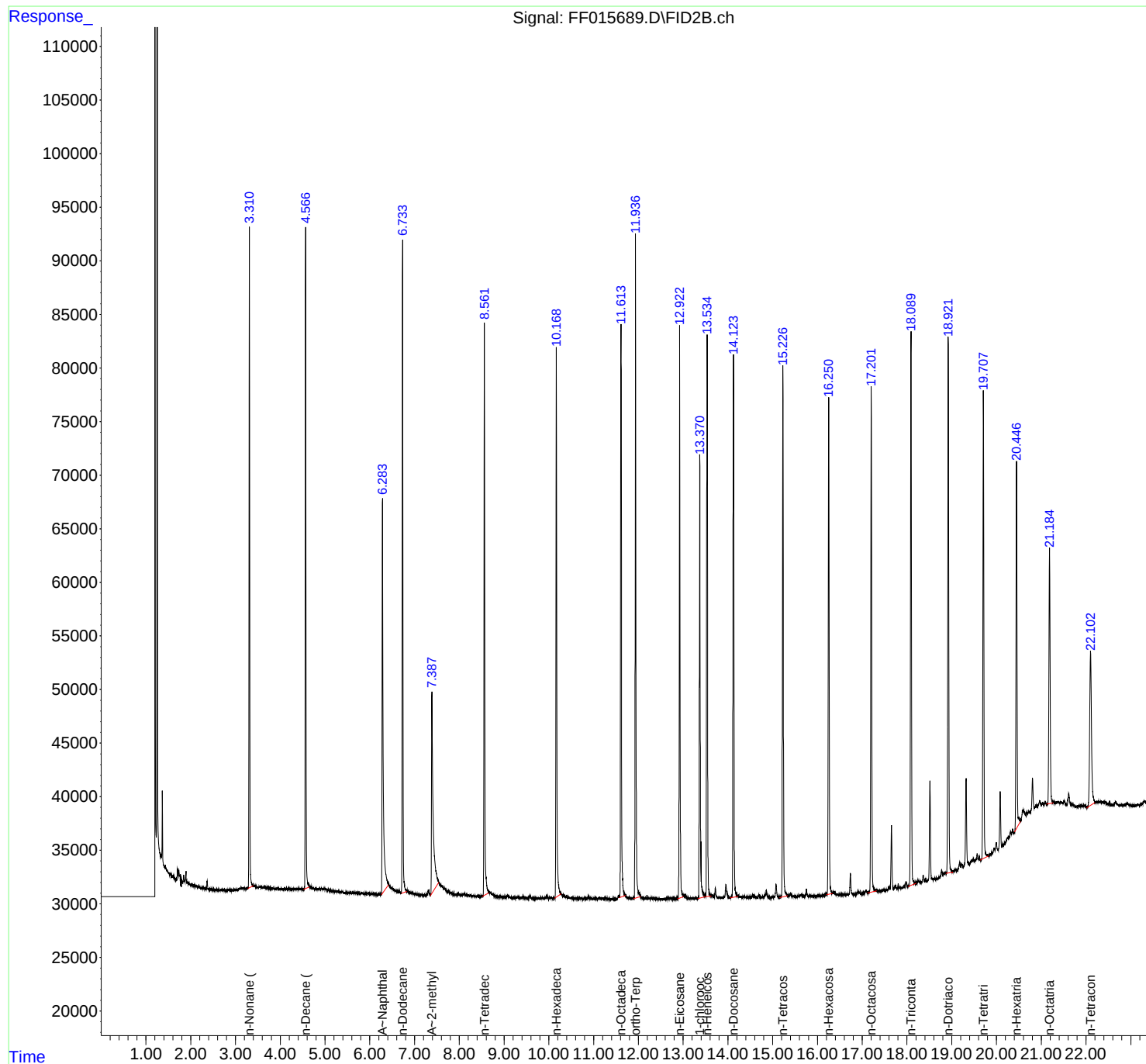
(m)=manual int.

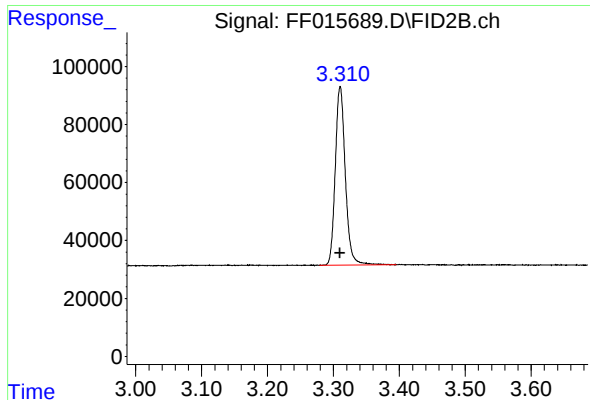
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF031725AL\
Data File : FF015689.D
Signal(s) : FID2B.ch
Acq On : 17 Mar 2025 19:29
Operator : YP\AJ
Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
5 PPM ALIPHATIC HC STD5

Integration File: autoint1.e
Quant Time: Mar 18 02:23:59 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 031725.M
Quant Title : GC Extractables
QLast Update : Tue Mar 18 02:20:55 2025
Response via : Initial Calibration
Integrator: ChemStation

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

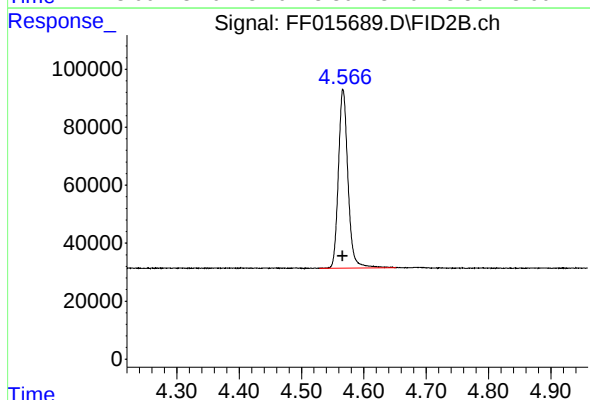




#1 n-Nonane (C9)

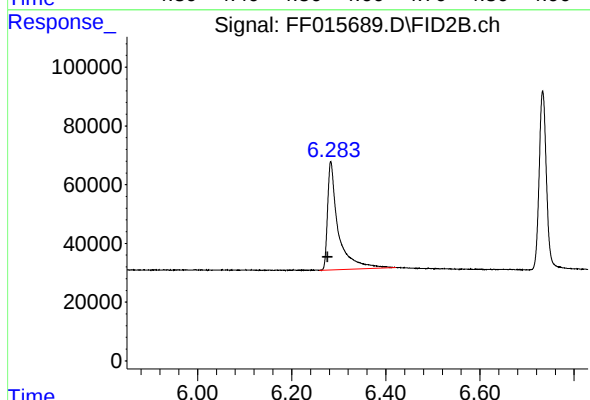
R.T.: 3.310 min
Delta R.T.: 0.000 min
Response: 651916
Conc: 4.94 ug/ml

Instrument :
FID_F
ClientSampleId :
5 PPM ALIPHATIC HC STD5



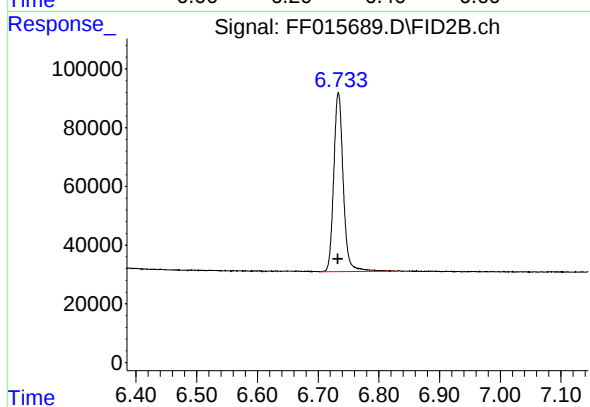
#2 n-Decane (C10)

R.T.: 4.567 min
Delta R.T.: 0.000 min
Response: 654575
Conc: 4.87 ug/ml



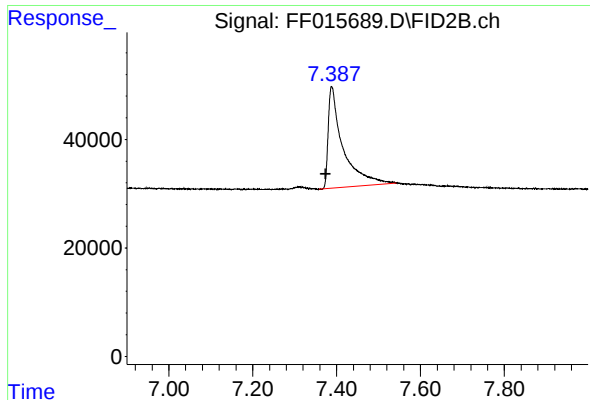
#3 A~Naphthalene (C11.7)

R.T.: 6.284 min
Delta R.T.: 0.007 min
Response: 581787
Conc: 4.17 ug/ml



#4 n-Dodecane (C12)

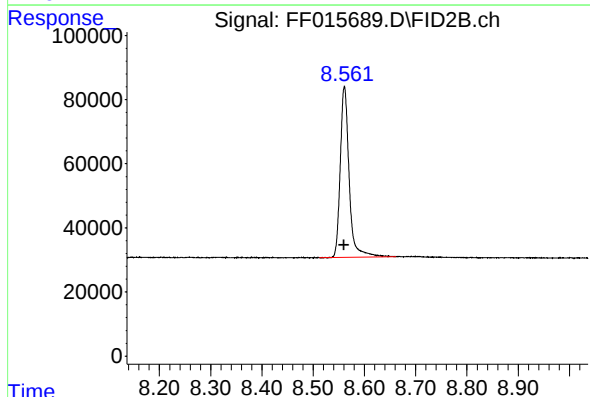
R.T.: 6.734 min
Delta R.T.: 0.000 min
Response: 662198
Conc: 4.85 ug/ml



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

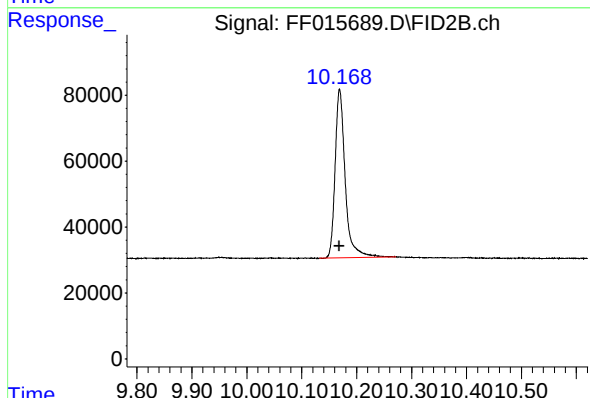
R.T.: 7.391 min
Delta R.T.: 0.017 min
Response: 459107
Conc: 3.51 ug/ml

Instrument :
FID_F
ClientSampleId :
5 PPM ALIPHATIC HC STD5



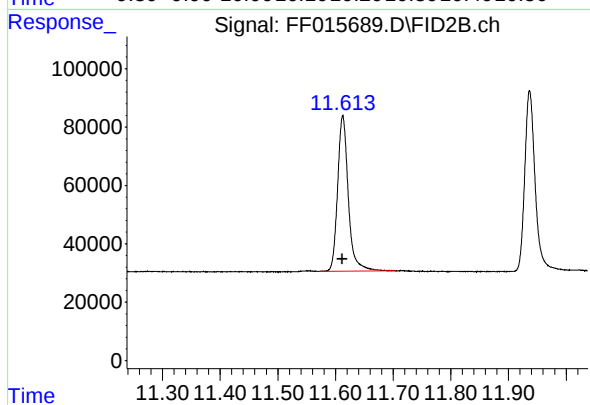
#6 n-Tetradecane (C14)

R.T.: 8.561 min
Delta R.T.: 0.000 min
Response: 642002
Conc: 4.70 ug/ml



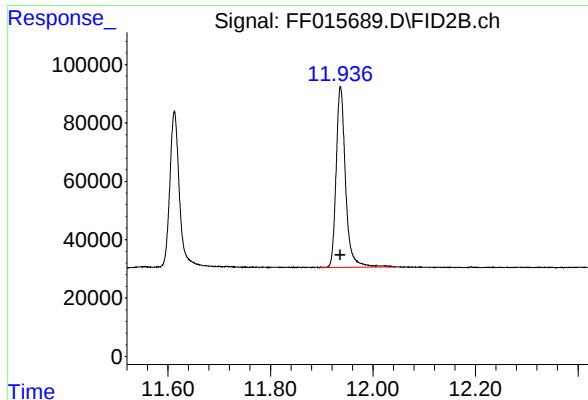
#7 n-Hexadecane (C16)

R.T.: 10.170 min
Delta R.T.: 0.001 min
Response: 654183
Conc: 4.62 ug/ml



#8 n-Octadecane (C18)

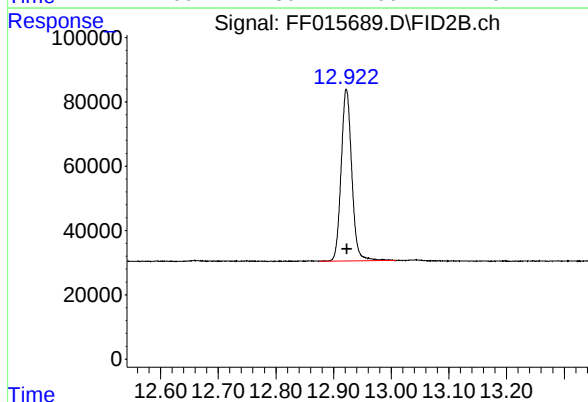
R.T.: 11.613 min
Delta R.T.: 0.000 min
Response: 686997
Conc: 4.73 ug/ml



#9 ortho-Terphenyl (SURR)

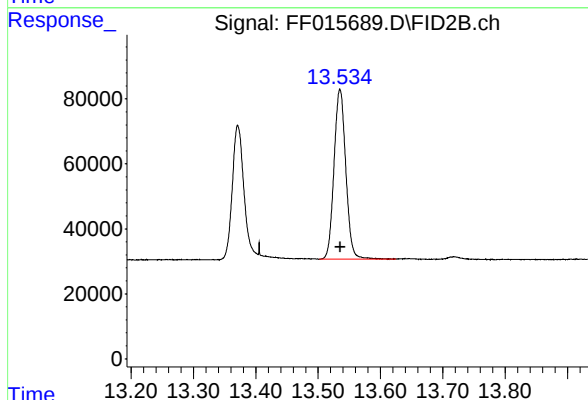
R.T.: 11.937 min
Delta R.T.: 0.001 min
Response: 787158
Conc: 4.92 ug/ml

Instrument :
FID_F
ClientSampleId :
5 PPM ALIPHATIC HC STD5



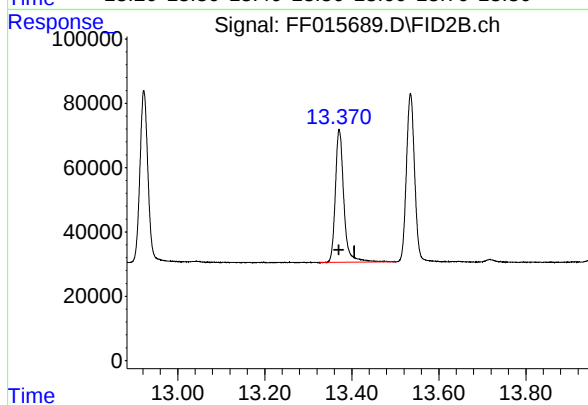
#10 n-Eicosane (C20)

R.T.: 12.922 min
Delta R.T.: 0.000 min
Response: 684975
Conc: 4.82 ug/ml



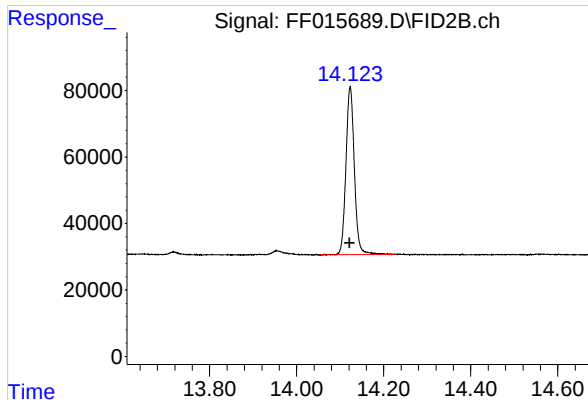
#11 n-Heneicosane (C21)

R.T.: 13.535 min
Delta R.T.: 0.000 min
Response: 684632
Conc: 4.86 ug/ml



#12 1-chlorooctadecane (SURR)

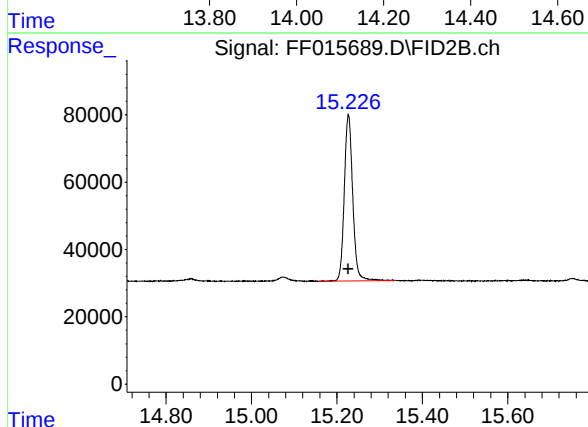
R.T.: 13.372 min
Delta R.T.: 0.001 min
Response: 565760
Conc: 4.72 ug/ml



#13 n-Docosane (C22)

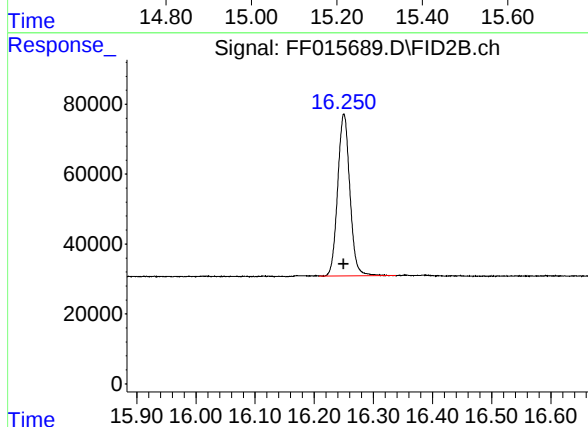
R.T.: 14.123 min
Delta R.T.: 0.000 min
Response: 681413
Conc: 4.83 ug/ml

Instrument :
FID_F
ClientSampleId :
5 PPM ALIPHATIC HC STD5



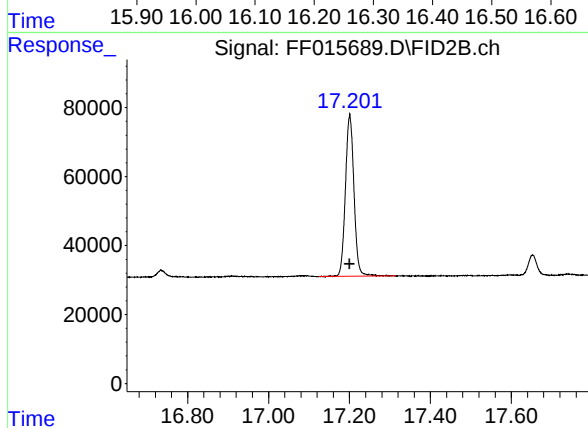
#14 n-Tetracosane (C24)

R.T.: 15.227 min
Delta R.T.: 0.000 min
Response: 679559
Conc: 4.81 ug/ml



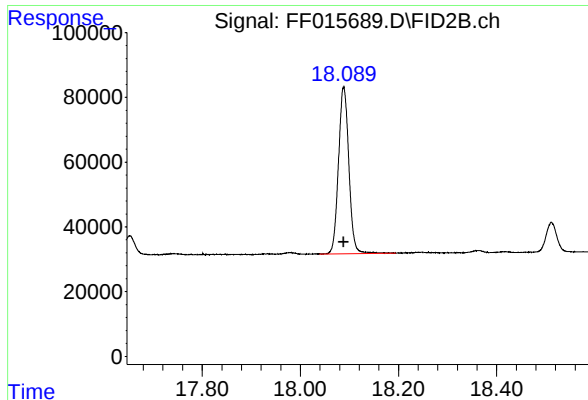
#15 n-Hexacosane (C26)

R.T.: 16.250 min
Delta R.T.: 0.000 min
Response: 662207
Conc: 4.78 ug/ml



#16 n-Octacosane (C28)

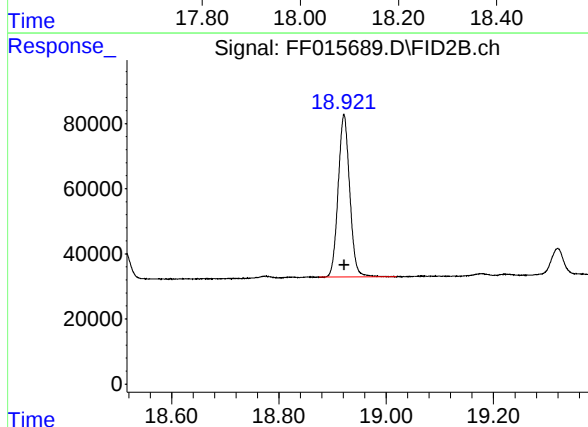
R.T.: 17.201 min
Delta R.T.: 0.000 min
Response: 690855
Conc: 4.99 ug/ml



#17 n-Tricontane (C30)

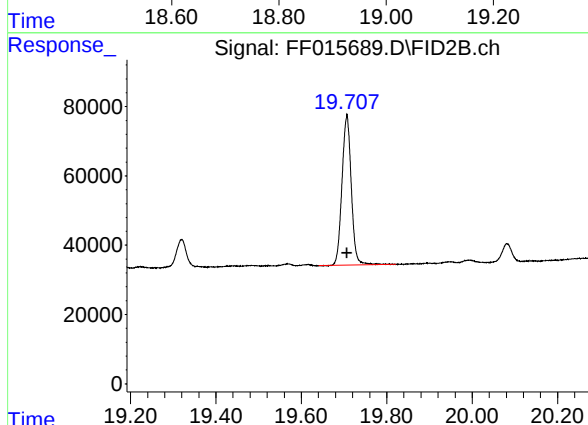
R.T.: 18.089 min
Delta R.T.: 0.000 min
Response: 754378
Conc: 5.27 ug/ml

Instrument :
FID_F
ClientSampleId :
5 PPM ALIPHATIC HC STD5



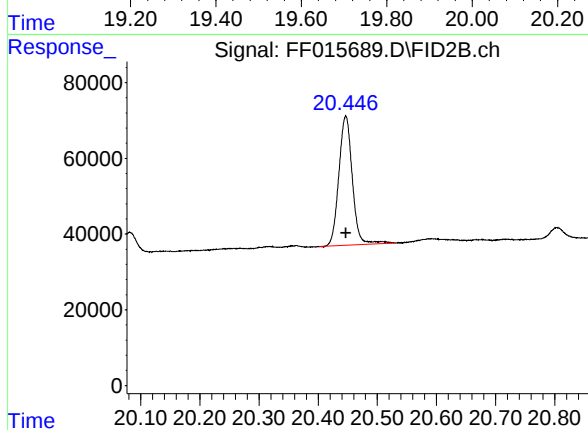
#18 n-Dotriacontane (C32)

R.T.: 18.921 min
Delta R.T.: 0.000 min
Response: 748490
Conc: 5.41 ug/ml



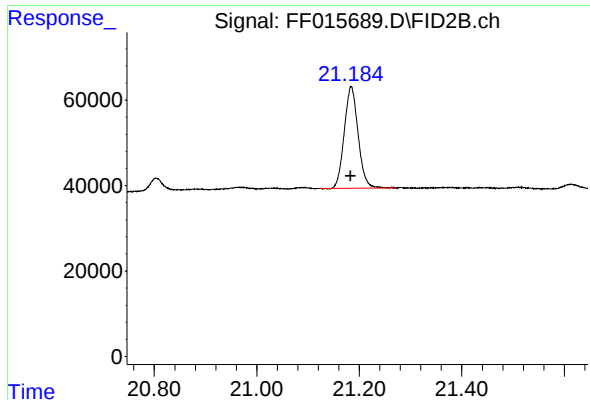
#19 n-Tetatriacontane (C34)

R.T.: 19.706 min
Delta R.T.: 0.000 min
Response: 656546
Conc: 5.28 ug/ml



#20 n-Hexatriacontane (C36)

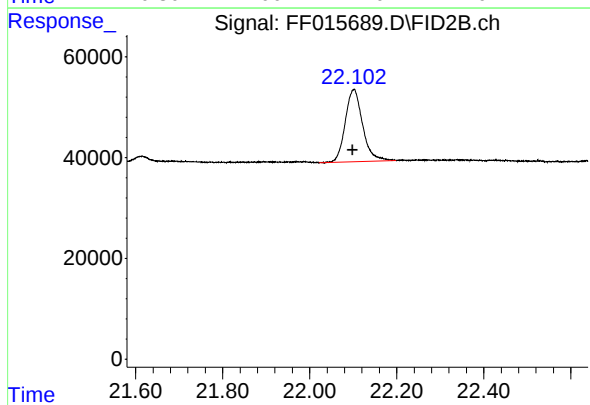
R.T.: 20.447 min
Delta R.T.: 0.000 min
Response: 540749
Conc: 5.13 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.184 min
Delta R.T.: 0.000 min
Response: 447971
Conc: 4.80 ug/ml

Instrument :
FID_F
ClientSampleId :
5 PPM ALIPHATIC HC STD5



#22 n-Tetracontane (C40)

R.T.: 22.101 min
Delta R.T.: 0.002 min
Response: 396308
Conc: 4.62 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF031725AL\
Data File : FF015689.D
Signal(s) : FID2B.ch
Acq On : 17 Mar 2025 19:29
Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 25 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 031725.M
Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.310	3.278	3.395	BB	61509	651916	82.82%	4.665%
2	4.567	4.528	4.652	BB	61123	654575	83.16%	4.684%
3	6.284	6.258	6.422	BB	36254	581787	73.91%	4.163%
4	6.734	6.702	6.828	BB	60819	662198	84.13%	4.739%
5	7.391	7.358	7.542	BB	18042	459107	58.32%	3.285%
6	8.561	8.512	8.662	BB	53099	642002	81.56%	4.594%
7	10.170	10.132	10.272	BB	51015	654183	83.11%	4.682%
8	11.613	11.572	11.705	BB	53103	686997	87.28%	4.916%
9	11.937	11.895	12.045	BB	61198	787158	100.00%	5.633%
10	12.922	12.875	13.008	BB	53463	684975	87.02%	4.902%
11	13.372	13.325	13.502	BB	41133	565760	71.87%	4.049%
12	13.535	13.502	13.625	BB	52224	684632	86.98%	4.899%
13	14.123	14.052	14.228	BB	50479	681413	86.57%	4.876%
14	15.227	15.158	15.338	BB	49366	679559	86.33%	4.863%
15	16.250	16.208	16.338	BB	46438	662207	84.13%	4.739%
16	17.201	17.125	17.315	BB	46651	690855	87.77%	4.944%
17	18.089	18.038	18.195	BB	51500	754378	95.84%	5.399%
18	18.921	18.875	19.018	BB	49960	748490	95.09%	5.356%
19	19.706	19.642	19.822	BB	42778	656546	83.41%	4.698%
20	20.447	20.402	20.532	BV	34061	540749	68.70%	3.870%
21	21.184	21.122	21.272	BB	23886	447971	56.91%	3.206%
22	22.101	22.022	22.198	BB	14390	396308	50.35%	2.836%
Sum of corrected areas:							13973765	

Aliphatic EPH 031725.M Tue Mar 18 02:45:12 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF031725AL\
 Data File : FF015690.D
 Signal(s) : FID2B.ch
 Acq On : 17 Mar 2025 19:59
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD ICV
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 FID_F
 ClientSampleId :
 20 PPM ALIPHATIC HC STD ICV

Integration File: autoint1.e
 Quant Time: Mar 18 02:33:53 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 031725.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 18 02:31:19 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)	11.935	3078093	20.203 ug/ml
Spiked Amount 50.000		Recovery =	40.41%
12) S 1-chlorooctadecane (S...	13.370	2311870	20.370 ug/ml
Spiked Amount 50.000		Recovery =	40.74%
Target Compounds			
1) T n-Nonane (C9)	3.310	2596801	20.502 ug/ml
2) T n-Decane (C10)	4.566	2644465	20.593 ug/ml
3) T A~Naphthalene (C11.7)	6.277	2742060	21.128 ug/ml
4) T n-Dodecane (C12)	6.733	2676280	20.536 ug/ml
5) T A~2-methylnaphthalene...	7.374	2565770	21.652 ug/ml
6) T n-Tetradecane (C14)	8.561	2661827	20.554 ug/ml
7) T n-Hexadecane (C16)	10.168	2764594	20.674 ug/ml
8) T n-Octadecane (C18)	11.612	2841007	20.631 ug/ml
10) T n-Eicosane (C20)	12.922	2769128	20.547 ug/ml
11) T n-Heneicosane (C21)	13.535	2738666	20.492 ug/ml
13) T n-Docosane (C22)	14.122	2704312	20.209 ug/ml
14) T n-Tetracosane (C24)	15.227	2671046	19.952 ug/ml
15) T n-Hexacosane (C26)	16.250	2601824	19.893 ug/ml
16) T n-Octacosane (C28)	17.201	2512077	19.230 ug/ml
17) T n-Tricontane (C30)	18.089	2491163	18.473 ug/ml
18) T n-Dotriacontane (C32)	18.923	2366505	18.148 ug/ml
19) T n-Tetratriacontane (C34)	19.707	2073223	17.761 ug/ml
20) T n-Hexatriacontane (C36)	20.446	1822987	18.364 ug/ml
21) T n-Octatriacontane (C38)	21.184	1711240	19.586 ug/ml
22) T n-Tetracontane (C40)	22.099	1591714	19.833 ug/ml

(f)=RT Delta > 1/2 Window

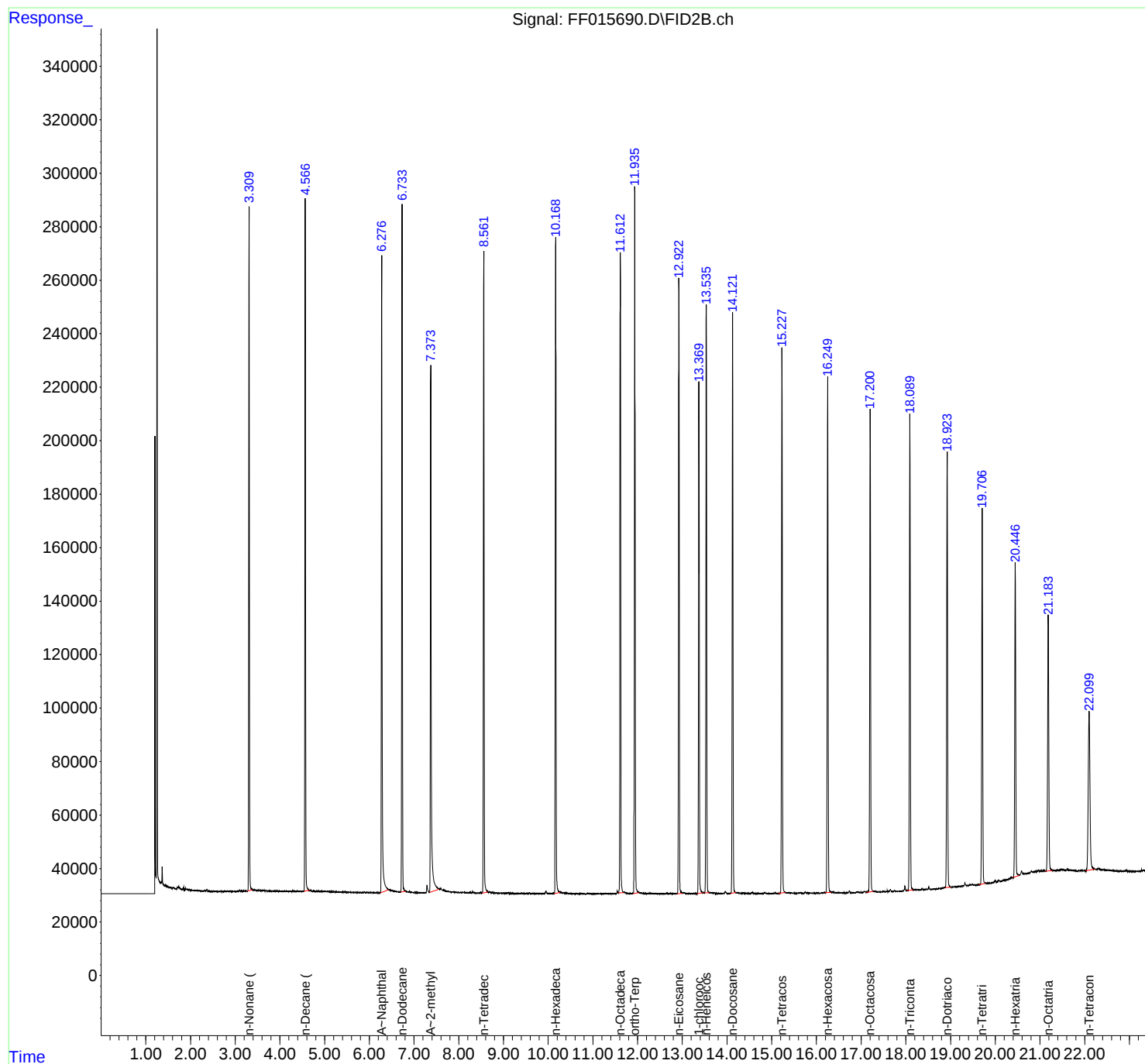
(m)=manual int.

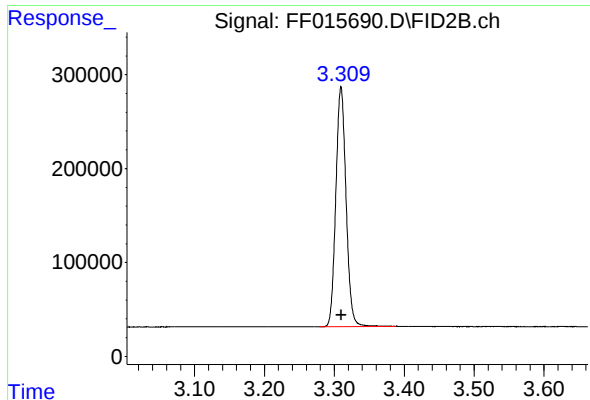
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF031725AL\
Data File : FF015690.D
Signal(s) : FID2B.ch
Acq On : 17 Mar 2025 19:59
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD ICV
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV

Integration File: autoint1.e
Quant Time: Mar 18 02:33:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 031725.M
Quant Title : GC Extractables
QLast Update : Tue Mar 18 02:31:19 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)

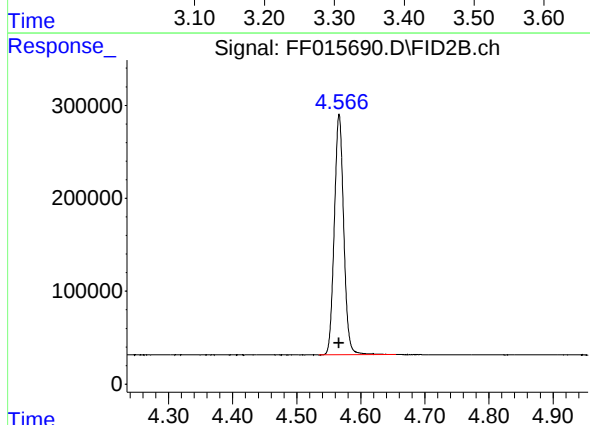
R.T.: 3.310 min
Delta R.T.: 0.000 min
Response: 2596801
Conc: 20.50 ug/ml

Instrument :

FID_F

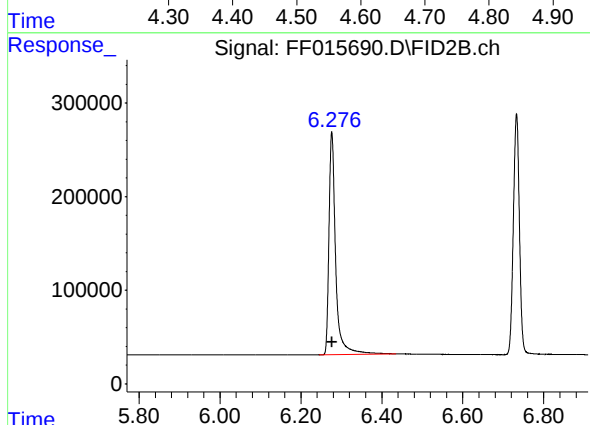
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



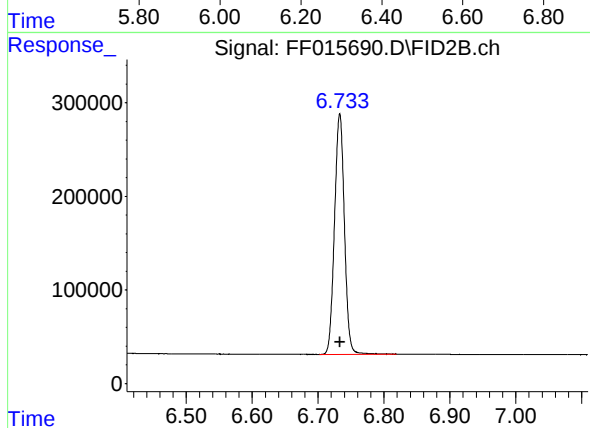
#2 n-Decane (C10)

R.T.: 4.566 min
Delta R.T.: 0.000 min
Response: 2644465
Conc: 20.59 ug/ml



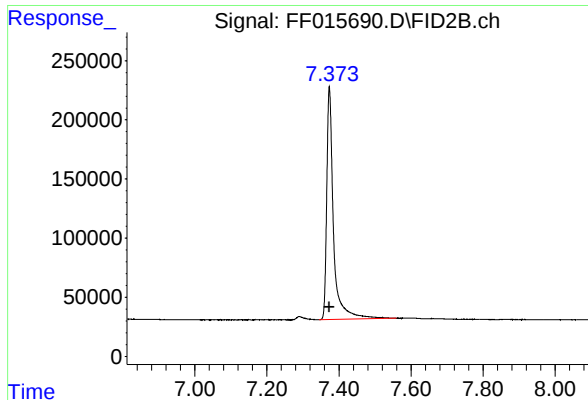
#3 A~Naphthalene (C11.7)

R.T.: 6.277 min
Delta R.T.: 0.000 min
Response: 2742060
Conc: 21.13 ug/ml



#4 n-Dodecane (C12)

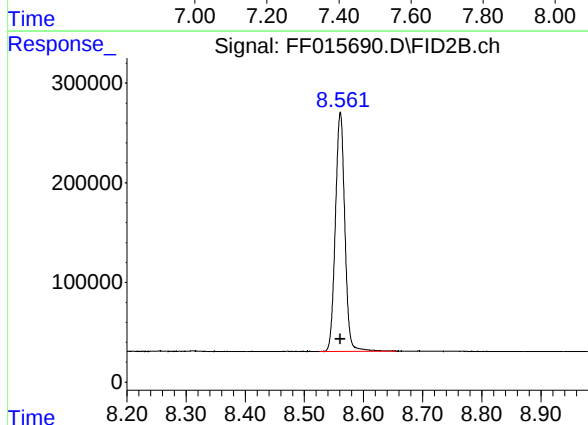
R.T.: 6.733 min
Delta R.T.: 0.000 min
Response: 2676280
Conc: 20.54 ug/ml



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

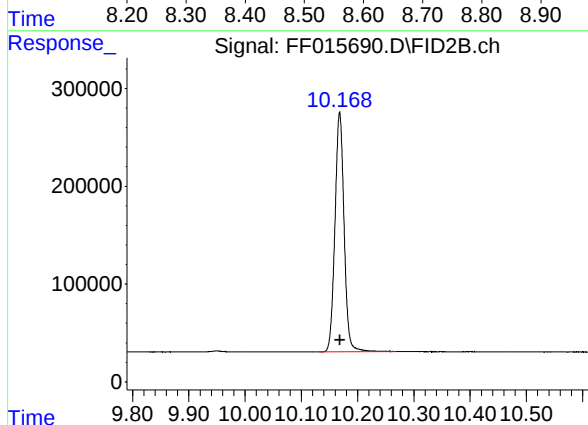
R.T.: 7.374 min
Delta R.T.: 0.000 min
Response: 2565770
Conc: 21.65 ug/ml

Instrument :
FID_F
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



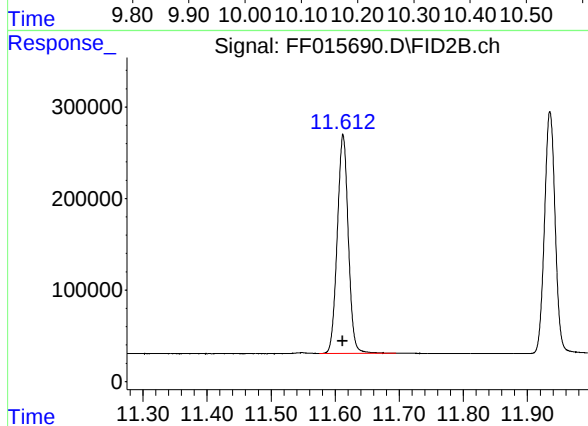
#6 n-Tetradecane (C14)

R.T.: 8.561 min
Delta R.T.: 0.000 min
Response: 2661827
Conc: 20.55 ug/ml



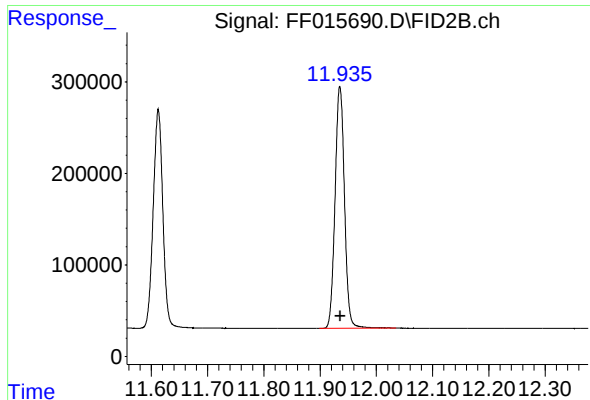
#7 n-Hexadecane (C16)

R.T.: 10.168 min
Delta R.T.: 0.000 min
Response: 2764594
Conc: 20.67 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.612 min
Delta R.T.: 0.000 min
Response: 2841007
Conc: 20.63 ug/ml



#9 ortho-Terphenyl (SURR)

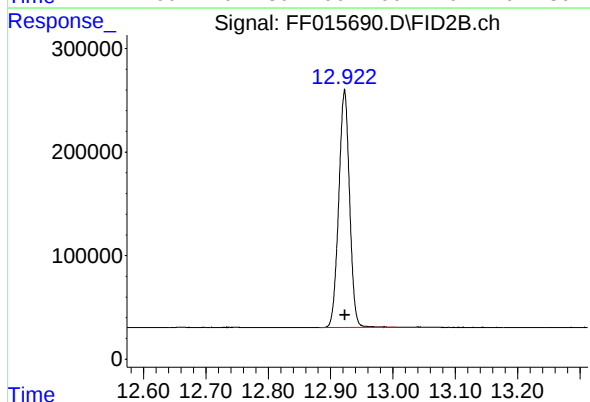
R.T.: 11.935 min
Delta R.T.: 0.000 min
Response: 3078093
Conc: 20.20 ug/ml

Instrument :

FID_F

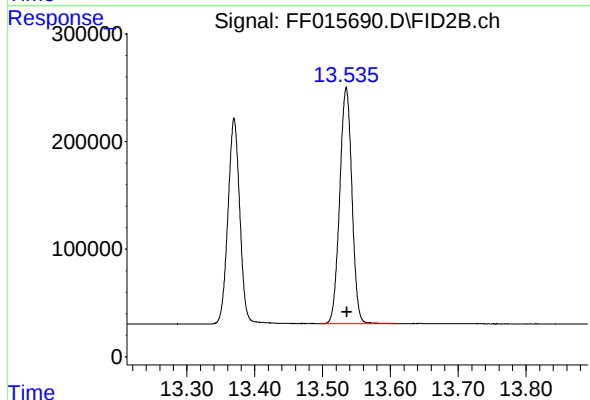
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



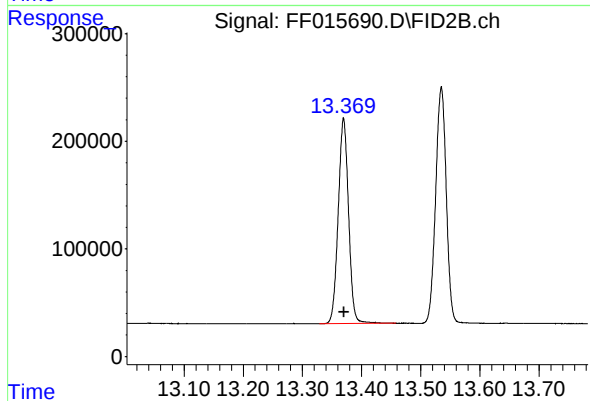
#10 n-Eicosane (C20)

R.T.: 12.922 min
Delta R.T.: 0.000 min
Response: 2769128
Conc: 20.55 ug/ml



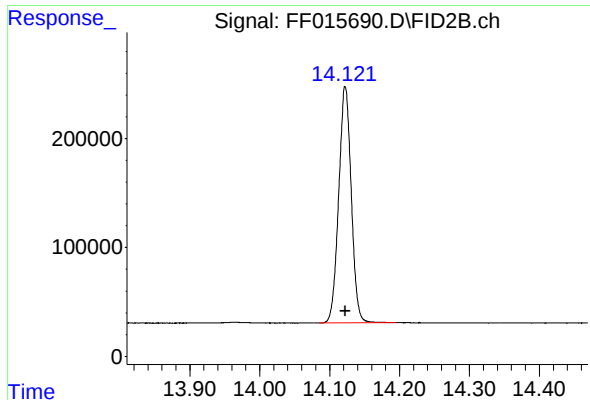
#11 n-Heneicosane (C21)

R.T.: 13.535 min
Delta R.T.: 0.000 min
Response: 2738666
Conc: 20.49 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.370 min
Delta R.T.: 0.000 min
Response: 2311870
Conc: 20.37 ug/ml



#13 n-Docosane (C22)

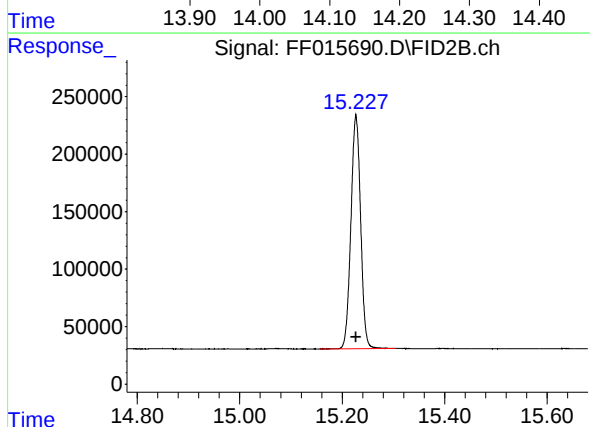
R.T.: 14.122 min
Delta R.T.: 0.000 min
Response: 2704312
Conc: 20.21 ug/ml

Instrument :

FID_F

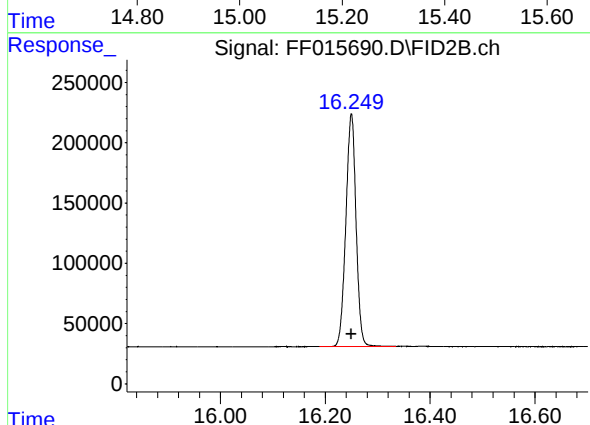
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



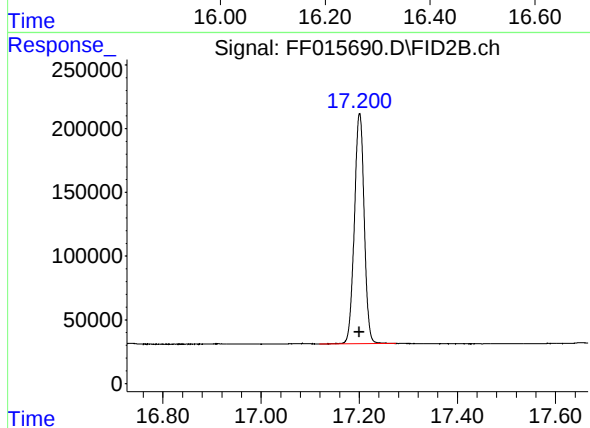
#14 n-Tetracosane (C24)

R.T.: 15.227 min
Delta R.T.: 0.000 min
Response: 2671046
Conc: 19.95 ug/ml



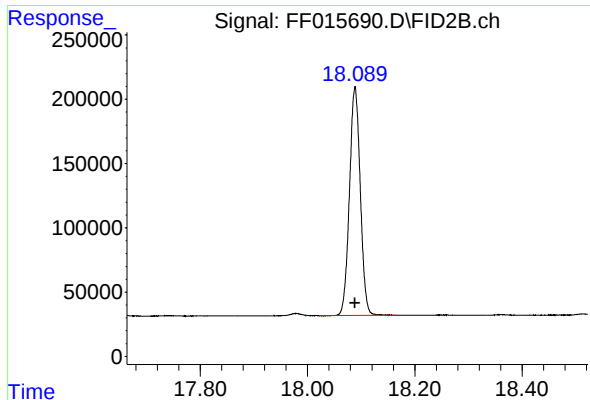
#15 n-Hexacosane (C26)

R.T.: 16.250 min
Delta R.T.: 0.000 min
Response: 2601824
Conc: 19.89 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.201 min
Delta R.T.: 0.000 min
Response: 2512077
Conc: 19.23 ug/ml



#17 n-Tricontane (C30)

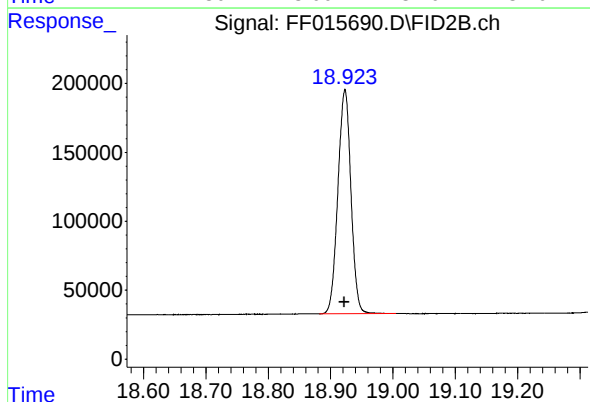
R.T.: 18.089 min
Delta R.T.: 0.000 min
Response: 2491163
Conc: 18.47 ug/ml

Instrument :

FID_F

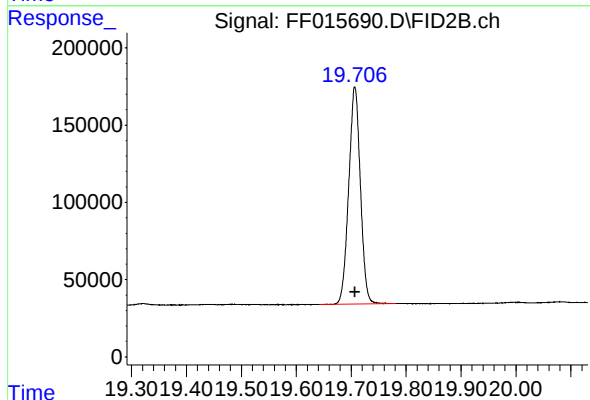
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



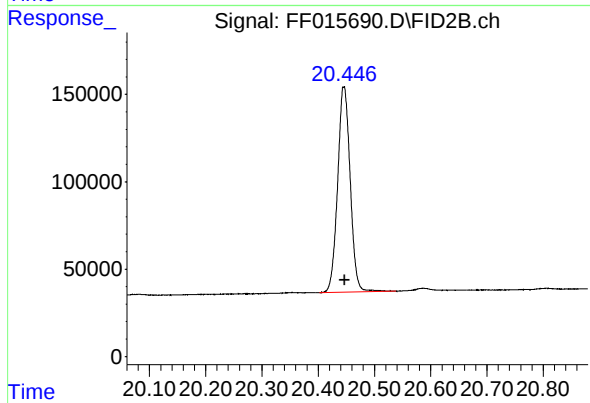
#18 n-Dotriacontane (C32)

R.T.: 18.923 min
Delta R.T.: 0.000 min
Response: 2366505
Conc: 18.15 ug/ml



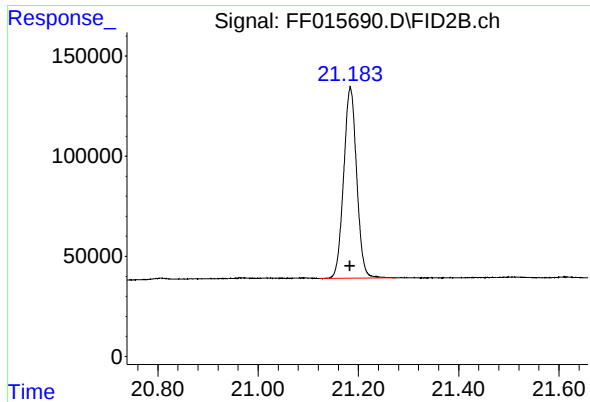
#19 n-Tetratriacontane (C34)

R.T.: 19.707 min
Delta R.T.: 0.000 min
Response: 2073223
Conc: 17.76 ug/ml



#20 n-Hexatriacontane (C36)

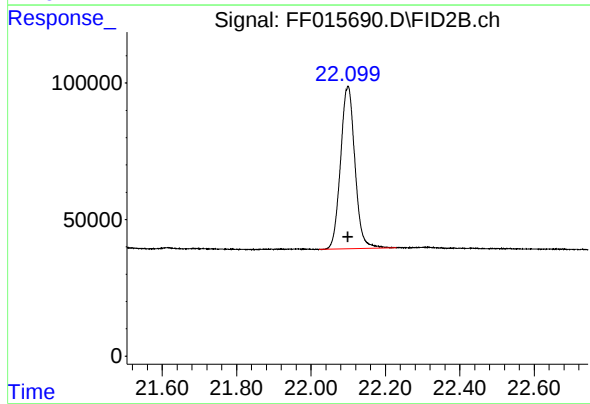
R.T.: 20.446 min
Delta R.T.: -0.001 min
Response: 1822987
Conc: 18.36 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.184 min
Delta R.T.: 0.000 min
Response: 1711240
Conc: 19.59 ug/ml

Instrument :
FID_F
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



#22 n-Tetracontane (C40)

R.T.: 22.099 min
Delta R.T.: 0.000 min
Response: 1591714
Conc: 19.83 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF031725AL\
Data File : FF015690.D
Signal(s) : FID2B.ch
Acq On : 17 Mar 2025 19:59
Sample : 20 PPM ALIPHATIC HC STD ICV
Misc :
ALS Vial : 26 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 031725.M
Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.310	3.278	3.388	BB	253793	2596801	84.36%	4.727%
2	4.566	4.535	4.655	BB	257383	2644465	85.91%	4.814%
3	6.277	6.245	6.435	BB	237451	2742060	89.08%	4.991%
4	6.733	6.702	6.818	BB	255624	2676280	86.95%	4.872%
5	7.374	7.345	7.558	PB	194168	2565770	83.36%	4.670%
6	8.561	8.525	8.655	BB	240509	2661827	86.48%	4.845%
7	10.168	10.132	10.268	BB	244859	2764594	89.82%	5.032%
8	11.612	11.575	11.695	BB	238332	2841007	92.30%	5.171%
9	11.935	11.898	12.035	BB	264771	3078093	100.00%	5.603%
10	12.922	12.882	13.005	BB	227448	2769128	89.96%	5.041%
11	13.370	13.328	13.458	BB	189322	2311870	75.11%	4.208%
12	13.535	13.495	13.608	BB	219105	2738666	88.97%	4.985%
13	14.122	14.085	14.195	BB	218000	2704312	87.86%	4.923%
14	15.227	15.155	15.305	BB	201376	2671046	86.78%	4.862%
15	16.250	16.188	16.335	BB	191942	2601824	84.53%	4.736%
16	17.201	17.118	17.275	BB	181271	2512077	81.61%	4.573%
17	18.089	18.022	18.165	BB	177221	2491163	80.93%	4.535%
18	18.923	18.882	19.005	BB	162002	2366505	76.88%	4.308%
19	19.707	19.642	19.782	BB	140356	2073223	67.35%	3.774%
20	20.446	20.402	20.538	BB	118064	1822987	59.22%	3.318%
21	21.184	21.122	21.275	BB	95229	1711240	55.59%	3.115%
22	22.099	22.022	22.228	BB	59309	1591714	51.71%	2.897%
Sum of corrected areas:						54936650		

Aliphatic EPH 031725.M Tue Mar 18 02:45:33 2025