

Initial Calibration Report for SequenceID : FF061325AL

AreaCount

Parameter Range	FF015982.D	FF015983.D	FF015984.D	FF015985.D	FF015986.D	
Aliphatic C9-C12	33670583.000	17104906.000	7561081.000	3534615.000	1898492.000	
Aliphatic C12-C16	23365829.000	11859778.000	5226661.000	2448339.000	1318939.000	
Aliphatic C16-C21	36480835.000	18467874.000	8131438.000	3784695.000	2058993.000	
Aliphatic C21-C28	48335648.000	24501876.000	10839405.000	4956085.000	2729710.000	
Aliphatic C28-C40	55074269.000	28264085.000	12658358.000	5776842.000	3203160.000	
Aliphatic EPH	196927164.000	100198519.000	44416943.000	20500576.000	11209294.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aliphatic C9-C12	119334.5266662	5.586				
Aliphatic C12-C16	124080.86	5.552				
Aliphatic C16-C21	128733.7219998	5.601				
Aliphatic C21-C28	127845.7375	5.883				
Aliphatic C28-C40	98908.616333	6.871				
Aliphatic EPH	116511.1729996	6.008				

Concentration

Parameter Range	FF015982.D	FF015983.D	FF015984.D	FF015985.D	FF015986.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	FF015982.D	FF015983.D	FF015984.D	FF015985.D	FF015986.D	
Aliphatic C9-C12	112235.276666	114032.706666	126018.016666	117820.500000	126566.133333	
Aliphatic C12-C16	116829.145000	118597.780000	130666.525000	122416.950000	131893.900000	
Aliphatic C16-C21	121602.783333	123119.160000	135523.966666	126156.500000	137266.200000	

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Aliphatic C21-C28	120839.120000	122509.380000	135492.562500	123902.125000	136485.500000	
Aliphatic C28-C40	91790.448333	94213.616666	105486.316666	96280.700000	106772.000000	
Aliphatic EPH	109403.980000	111331.687777	123380.397222	113892.088888	124547.711111	

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF061325AL\
 Data File : FF015982.D
 Signal(s) : FID2B.ch
 Acq On : 13 Jun 2025 23:23
 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: Jun 16 03:08:49 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 061325.M
 Quant Title : GC Extractables
 QLast Update : Mon Jun 16 03:08:01 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)	12.009	13560837	89.344 ug/ml
Spiked Amount 50.000		Recovery =	178.69%
12) S 1-chlorooctadecane (S...	13.443	10657992	90.117 ug/ml
Spiked Amount 50.000		Recovery =	180.23%
Target Compounds			
1) T n-Nonane (C9)	3.371	11021287	88.962 ug/ml
2) T n-Decane (C10)	4.629	11252325	88.997 ug/ml
3) T A~Naphthalene (C11.7)	6.337	12373988	89.071 ug/ml
4) T n-Dodecane (C12)	6.803	11396971	89.226 ug/ml
5) T A~2-methylnaphthalene...	7.437	12075151	89.290 ug/ml
6) T n-Tetradecane (C14)	8.634	11423740	89.288 ug/ml
7) T n-Hexadecane (C16)	10.243	11942089	89.528 ug/ml
8) T n-Octadecane (C18)	11.689	12303208	89.652 ug/ml
10) T n-Eicosane (C20)	12.998	12118924	89.699 ug/ml
11) T n-Heneicosane (C21)	13.612	12058703	89.835 ug/ml
13) T n-Docosane (C22)	14.198	12117601	89.617 ug/ml
14) T n-Tetracosane (C24)	15.303	12243091	89.035 ug/ml
15) T n-Hexacosane (C26)	16.326	12230077	90.032 ug/ml
16) T n-Octacosane (C28)	17.276	11744879	88.040 ug/ml
17) T n-Tricontane (C30)	18.163	11611725	86.909 ug/ml
18) T n-Dotriacontane (C32)	18.998	10824913	86.035 ug/ml
19) T n-Tetratriacontane (C34)	19.783	9724309	86.377 ug/ml
20) T n-Hexatriacontane (C36)	20.523	8345459	87.180 ug/ml
21) T n-Octatriacontane (C38)	21.286	7520889	87.554 ug/ml
22) T n-Tetracontane (C40)	22.240	7046974	88.882 ug/ml

(f)=RT Delta > 1/2 Window

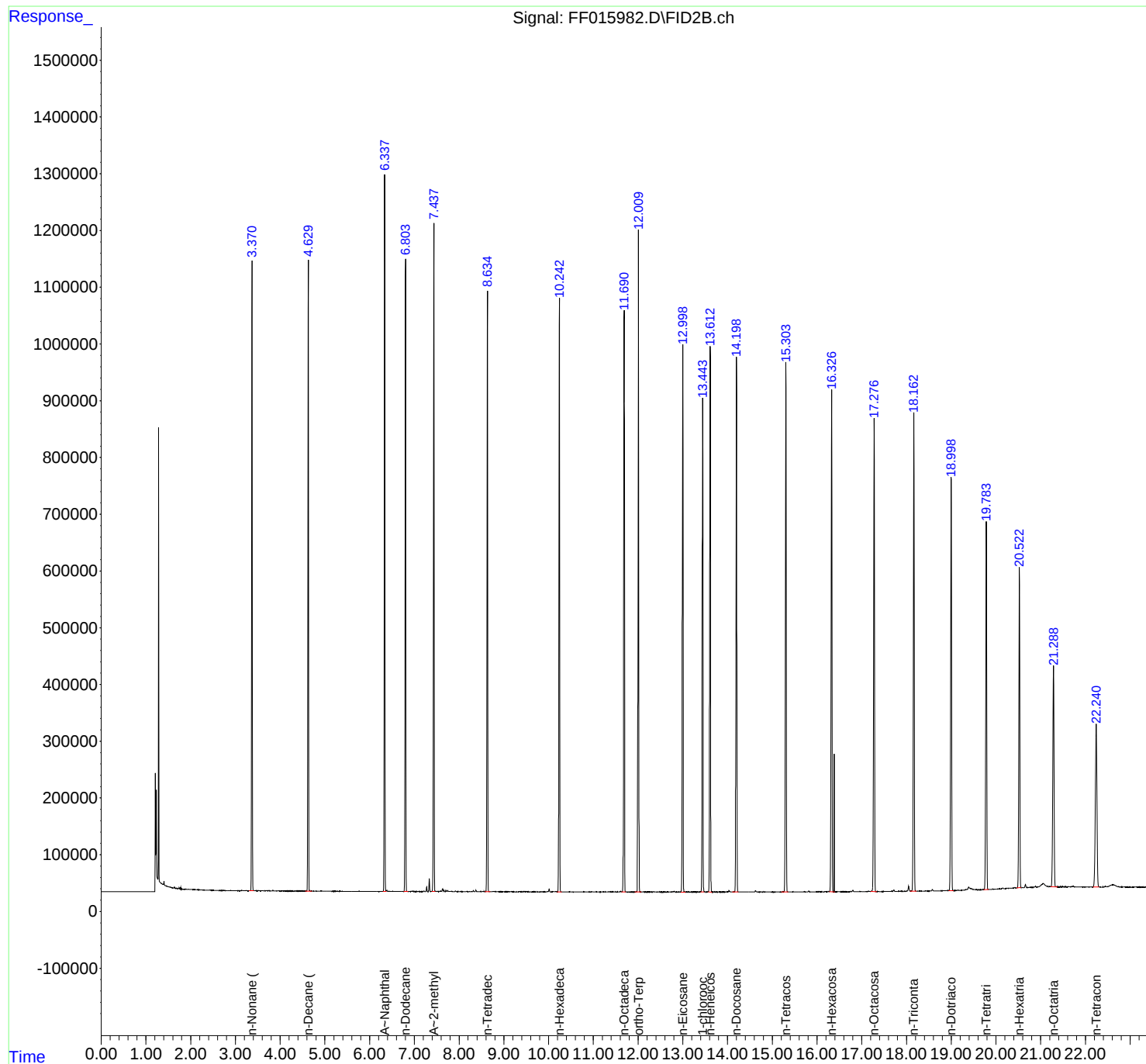
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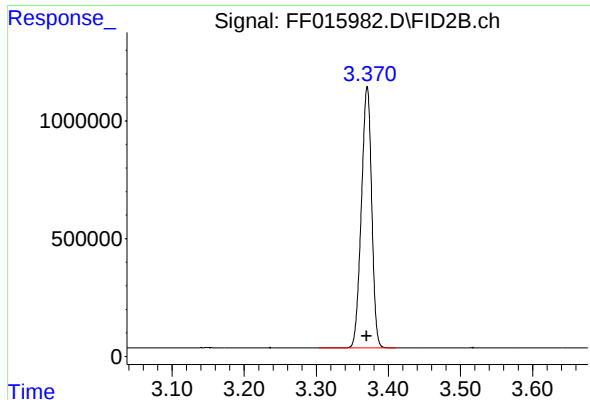
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Data File : FF015982.D
Signal(s) : FID2B.ch
Acq On : 13 Jun 2025 23:23
Operator : YP\AJ
Sample : 100 PPM ALIPHATIC HC STD1
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
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ClientSampleId :
100 PPM ALIPHATIC HC STD1

Integration File: autoint1.e
Quant Time: Jun 16 03:08:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 061325.M
Quant Title : GC Extractables
QLast Update : Mon Jun 16 03:08:01 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)

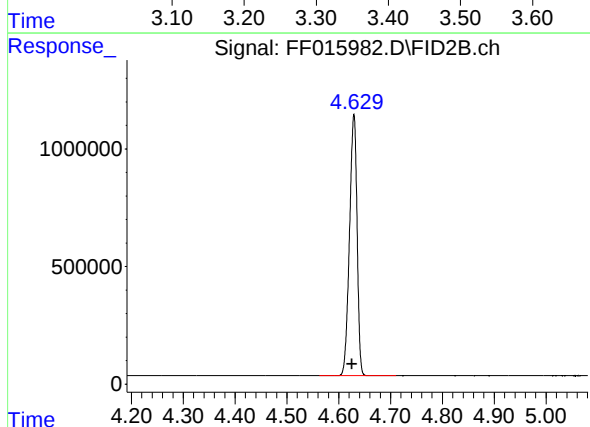
R.T.: 3.371 min
Delta R.T.: 0.000 min
Response: 11021287
Conc: 88.96 ug/ml

Instrument :

FID_F

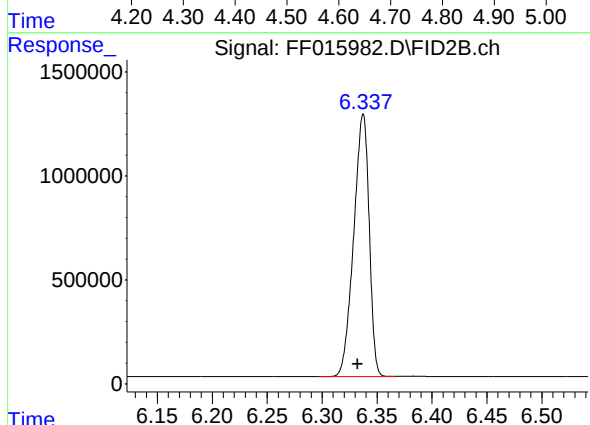
ClientSampleId :

100 PPM ALIPHATIC HC STD1



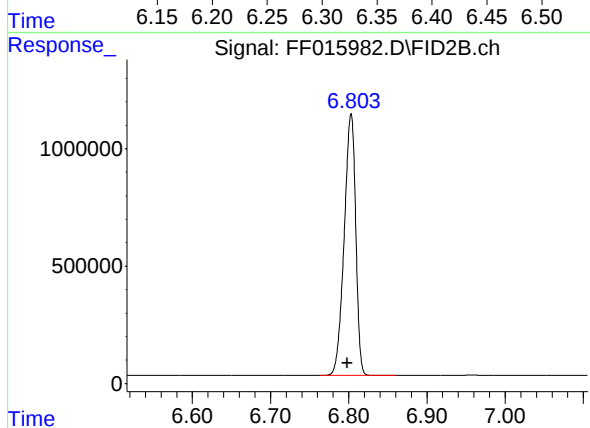
#2 n-Decane (C10)

R.T.: 4.629 min
Delta R.T.: 0.003 min
Response: 11252325
Conc: 89.00 ug/ml



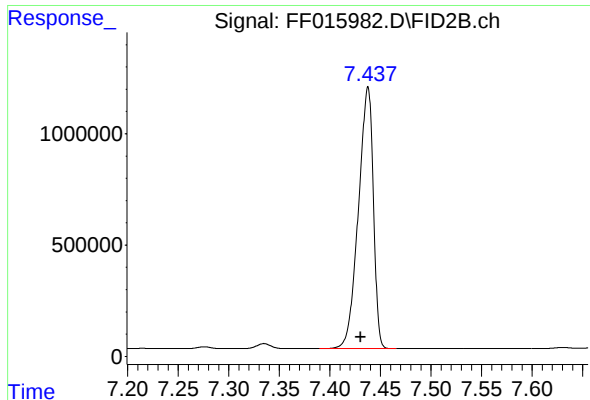
#3 A~Naphthalene (C11.7)

R.T.: 6.337 min
Delta R.T.: 0.005 min
Response: 12373988
Conc: 89.07 ug/ml



#4 n-Dodecane (C12)

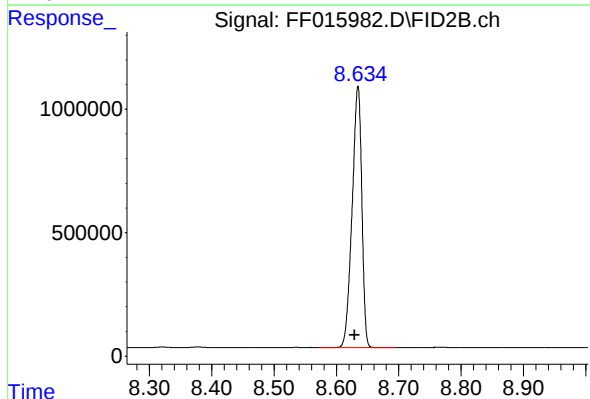
R.T.: 6.803 min
Delta R.T.: 0.005 min
Response: 11396971
Conc: 89.23 ug/ml



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

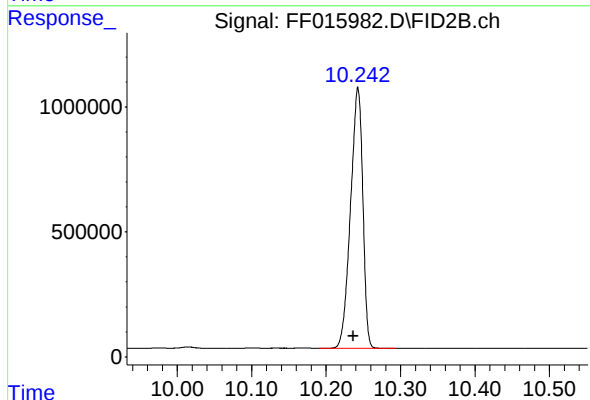
R.T.: 7.437 min
Delta R.T.: 0.007 min
Response: 12075151
Conc: 89.29 ug/ml

Instrument :
FID_F
ClientSampleId :
100 PPM ALIPHATIC HC STD1



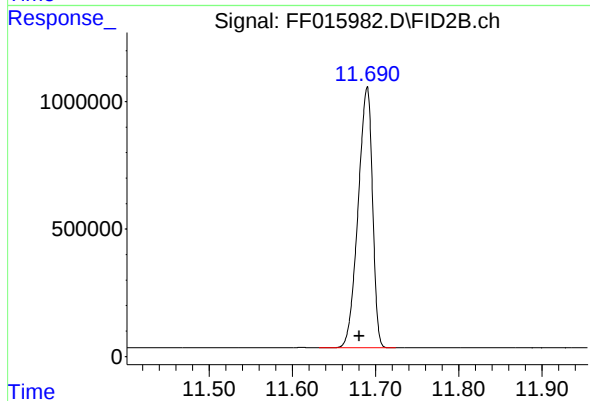
#6 n-Tetradecane (C14)

R.T.: 8.634 min
Delta R.T.: 0.005 min
Response: 11423740
Conc: 89.29 ug/ml



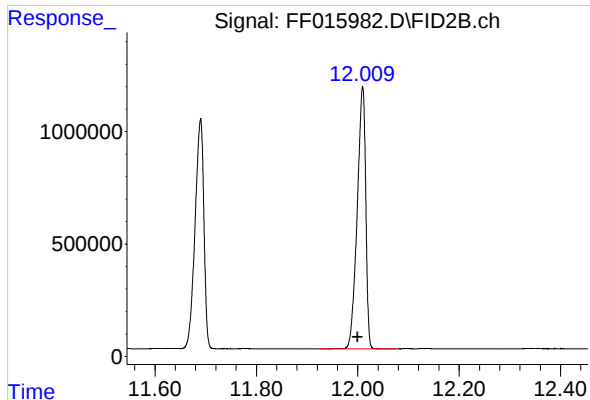
#7 n-Hexadecane (C16)

R.T.: 10.243 min
Delta R.T.: 0.006 min
Response: 11942089
Conc: 89.53 ug/ml



#8 n-Octadecane (C18)

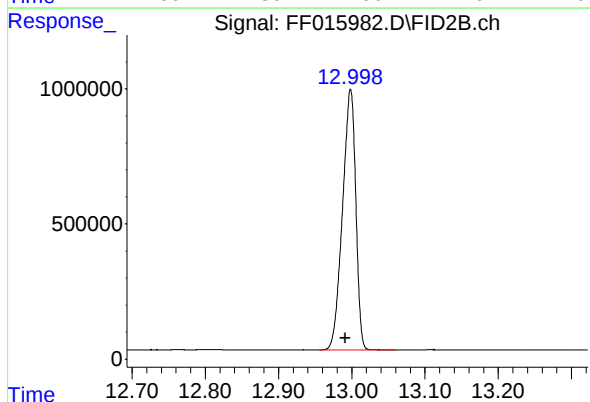
R.T.: 11.689 min
Delta R.T.: 0.009 min
Response: 12303208
Conc: 89.65 ug/ml



#9 ortho-Terphenyl (SURR)

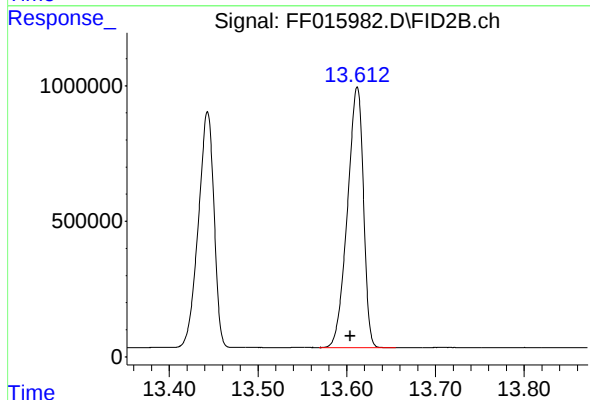
R.T.: 12.009 min
Delta R.T.: 0.009 min
Response: 13560837
Conc: 89.34 ug/ml

Instrument :
FID_F
ClientSampleId :
100 PPM ALIPHATIC HC STD1



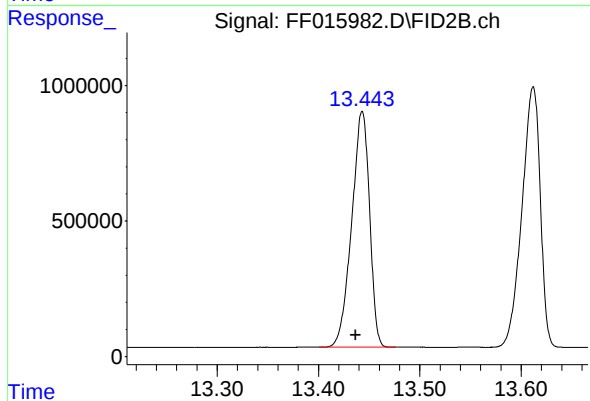
#10 n-Eicosane (C20)

R.T.: 12.998 min
Delta R.T.: 0.007 min
Response: 12118924
Conc: 89.70 ug/ml



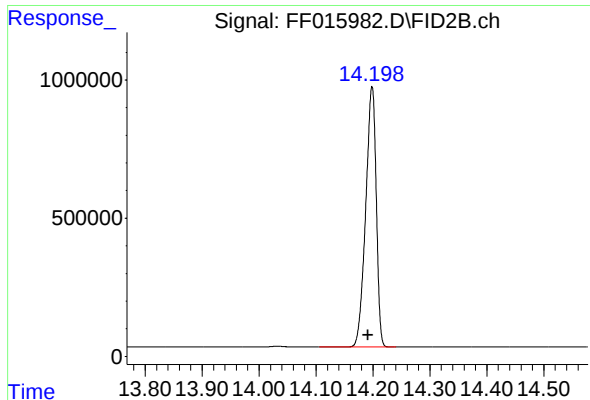
#11 n-Heneicosane (C21)

R.T.: 13.612 min
Delta R.T.: 0.007 min
Response: 12058703
Conc: 89.83 ug/ml



#12 1-chlorooctadecane (SURR)

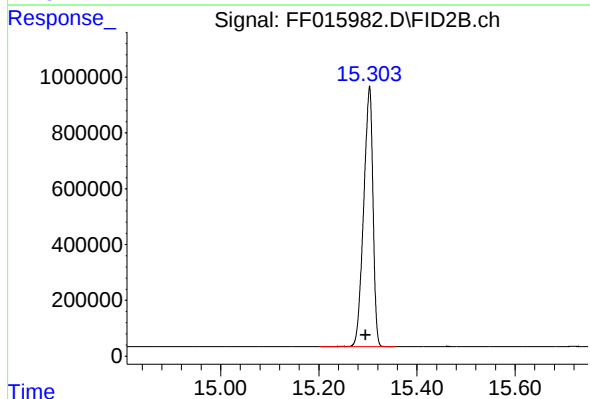
R.T.: 13.443 min
Delta R.T.: 0.007 min
Response: 10657992
Conc: 90.12 ug/ml



#13 n-Docosane (C22)

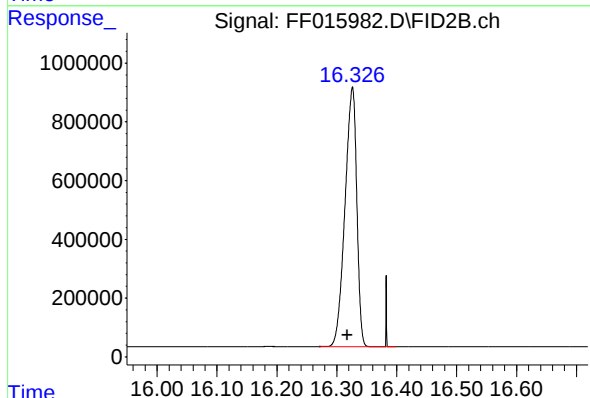
R.T.: 14.198 min
Delta R.T.: 0.007 min
Response: 12117601
Conc: 89.62 ug/ml

Instrument :
FID_F
ClientSampleId :
100 PPM ALIPHATIC HC STD1



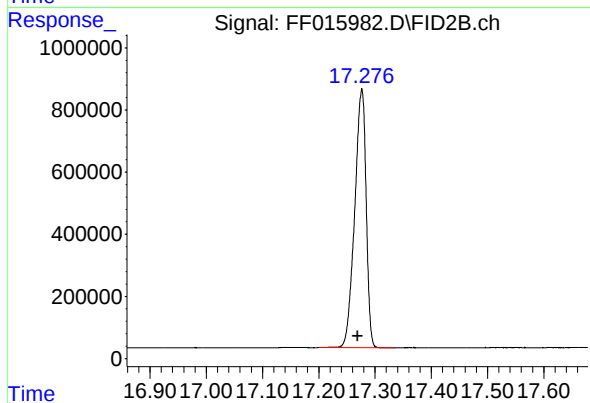
#14 n-Tetracosane (C24)

R.T.: 15.303 min
Delta R.T.: 0.008 min
Response: 12243091
Conc: 89.04 ug/ml



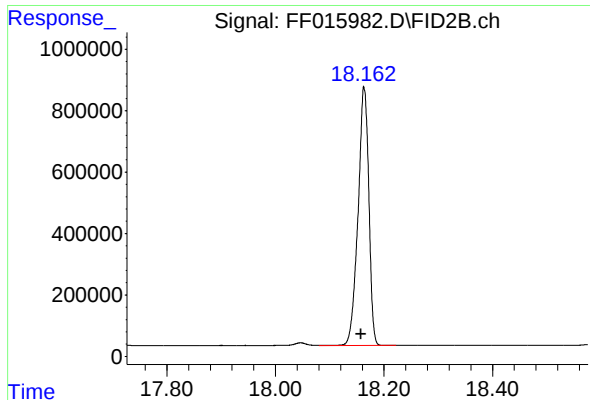
#15 n-Hexacosane (C26)

R.T.: 16.326 min
Delta R.T.: 0.008 min
Response: 12230077
Conc: 90.03 ug/ml



#16 n-Octacosane (C28)

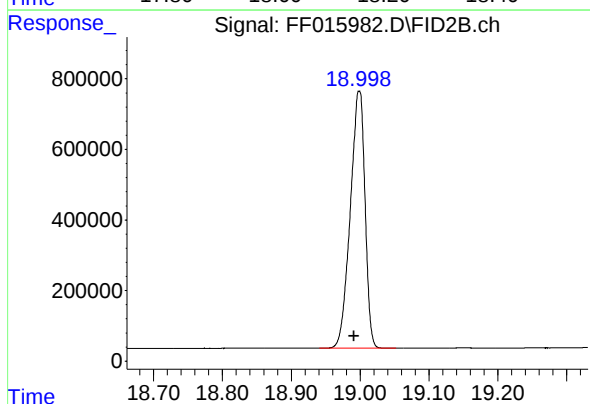
R.T.: 17.276 min
Delta R.T.: 0.007 min
Response: 11744879
Conc: 88.04 ug/ml



#17 n-Tricontane (C30)

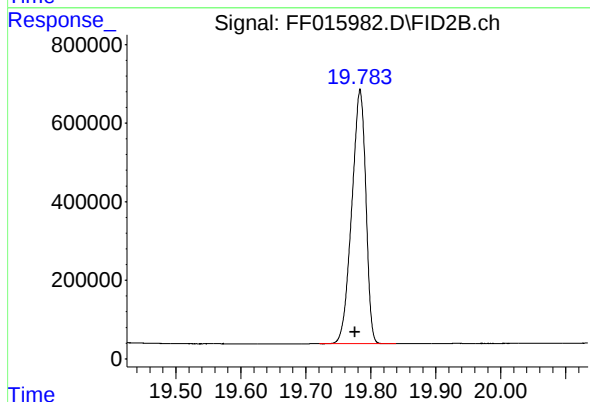
R.T.: 18.163 min
Delta R.T.: 0.006 min
Response: 11611725
Conc: 86.91 ug/ml

Instrument :
FID_F
ClientSampleId :
100 PPM ALIPHATIC HC STD1



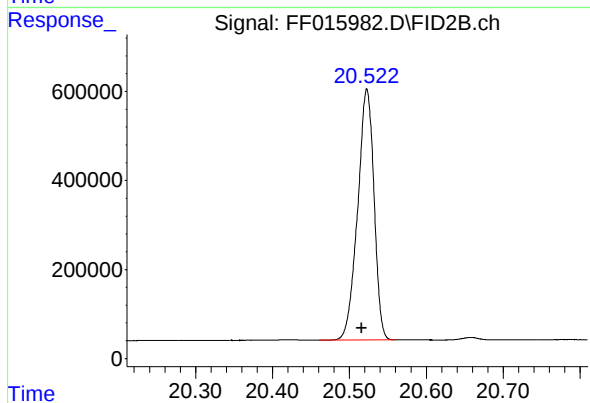
#18 n-Dotriacontane (C32)

R.T.: 18.998 min
Delta R.T.: 0.007 min
Response: 10824913
Conc: 86.04 ug/ml



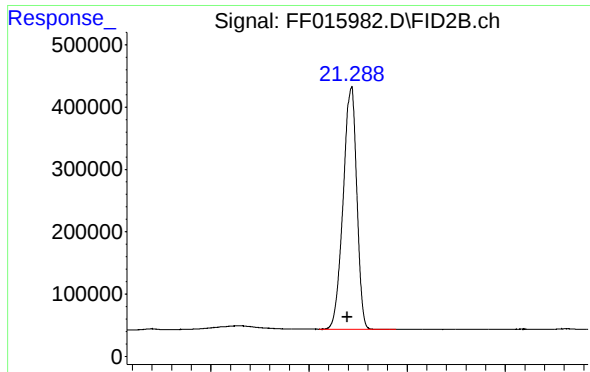
#19 n-Tetratriacontane (C34)

R.T.: 19.783 min
Delta R.T.: 0.008 min
Response: 9724309
Conc: 86.38 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.523 min
Delta R.T.: 0.007 min
Response: 8345459
Conc: 87.18 ug/ml



#21 n-Octatriacontane (C38)

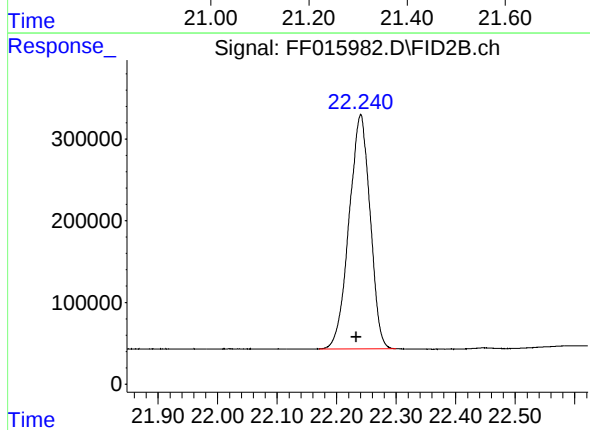
R.T.: 21.286 min
Delta R.T.: 0.008 min
Response: 7520889
Conc: 87.55 ug/ml

Instrument :

FID_F

ClientSampleId :

100 PPM ALIPHATIC HC STD1



#22 n-Tetracontane (C40)

R.T.: 22.240 min
Delta R.T.: 0.007 min
Response: 7046974
Conc: 88.88 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF061325AL\
Data File : FF015982.D
Signal(s) : FID2B.ch
Acq On : 13 Jun 2025 23:23
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 061325.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	3.371	3.304	3.410	BV	1110841	11021287	81.27%	4.488%
2	4.629	4.562	4.710	BB	1110981	11252325	82.98%	4.582%
3	6.337	6.297	6.367	BV	1265446	12373988	91.25%	5.038%
4	6.803	6.762	6.860	BB	1111963	11396971	84.04%	4.641%
5	7.437	7.389	7.465	PV	1174732	12075151	89.04%	4.917%
6	8.634	8.572	8.695	BV	1058472	11423740	84.24%	4.651%
7	10.243	10.190	10.294	BB	1043890	11942089	88.06%	4.863%
8	11.689	11.632	11.724	BB	1017752	12303208	90.73%	5.010%
9	12.009	11.924	12.075	BB	1165887	13560837	100.00%	5.522%
10	12.998	12.955	13.060	PB	966345	12118924	89.37%	4.935%
11	13.443	13.400	13.476	BV	871160	10657992	78.59%	4.340%
12	13.612	13.569	13.655	VB	962986	12058703	88.92%	4.910%
13	14.198	14.105	14.240	BB	943012	12117601	89.36%	4.934%
14	15.303	15.200	15.357	BB	938585	12243091	90.28%	4.985%
15	16.326	16.270	16.399	BB	882719	12230077	90.19%	4.980%
16	17.276	17.200	17.337	BV	826526	11744879	86.61%	4.782%
17	18.163	18.080	18.222	VB	836020	11611725	85.63%	4.728%
18	18.998	18.940	19.052	BB	728494	10824913	79.82%	4.408%
19	19.783	19.720	19.839	BV	648649	9724309	71.71%	3.959%
20	20.523	20.460	20.560	BV	564582	8345459	61.54%	3.398%
21	21.286	21.220	21.377	BB	387277	7520889	55.46%	3.062%
22	22.240	22.170	22.300	BBA	287516	7046974	51.97%	2.869%
Sum of corrected areas:						245595128		

Aliphatic EPH 061325.M Mon Jun 16 03:24:32 2025

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 Data File : FF015983.D
 Signal(s) : FID2B.ch
 Acq On : 13 Jun 2025 23:52
 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: Jun 16 03:09:09 2025
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Spiked Amount 50.000		Recovery =	91.08%
Target Compounds			
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3) T A~Naphthalene (C11.7)	6.334	6277309	45.185 ug/ml
4) T n-Dodecane (C12)	6.800	5790270	45.331 ug/ml
5) T A~2-methylnaphthalene...	7.433	6130238	45.330 ug/ml
6) T n-Tetradecane (C14)	8.631	5800608	45.337 ug/ml
7) T n-Hexadecane (C16)	10.239	6059170	45.424 ug/ml
8) T n-Octadecane (C18)	11.684	6233835	45.425 ug/ml
10) T n-Eicosane (C20)	12.994	6134987	45.408 ug/ml
11) T n-Heneicosane (C21)	13.607	6099052	45.437 ug/ml
13) T n-Docosane (C22)	14.194	6136711	45.384 ug/ml
14) T n-Tetracosane (C24)	15.298	6221038	45.241 ug/ml
15) T n-Hexacosane (C26)	16.320	6145747	45.242 ug/ml
16) T n-Octacosane (C28)	17.271	5998380	44.964 ug/ml
17) T n-Tricontane (C30)	18.161	5953333	44.558 ug/ml
18) T n-Dotriacontane (C32)	18.994	5582085	44.366 ug/ml
19) T n-Tetratriacontane (C34)	19.779	5003084	44.441 ug/ml
20) T n-Hexatriacontane (C36)	20.519	4277535	44.685 ug/ml
21) T n-Octatriacontane (C38)	21.280	3857797	44.911 ug/ml
22) T n-Tetracontane (C40)	22.235	3590251	45.283 ug/ml

(f)=RT Delta > 1/2 Window

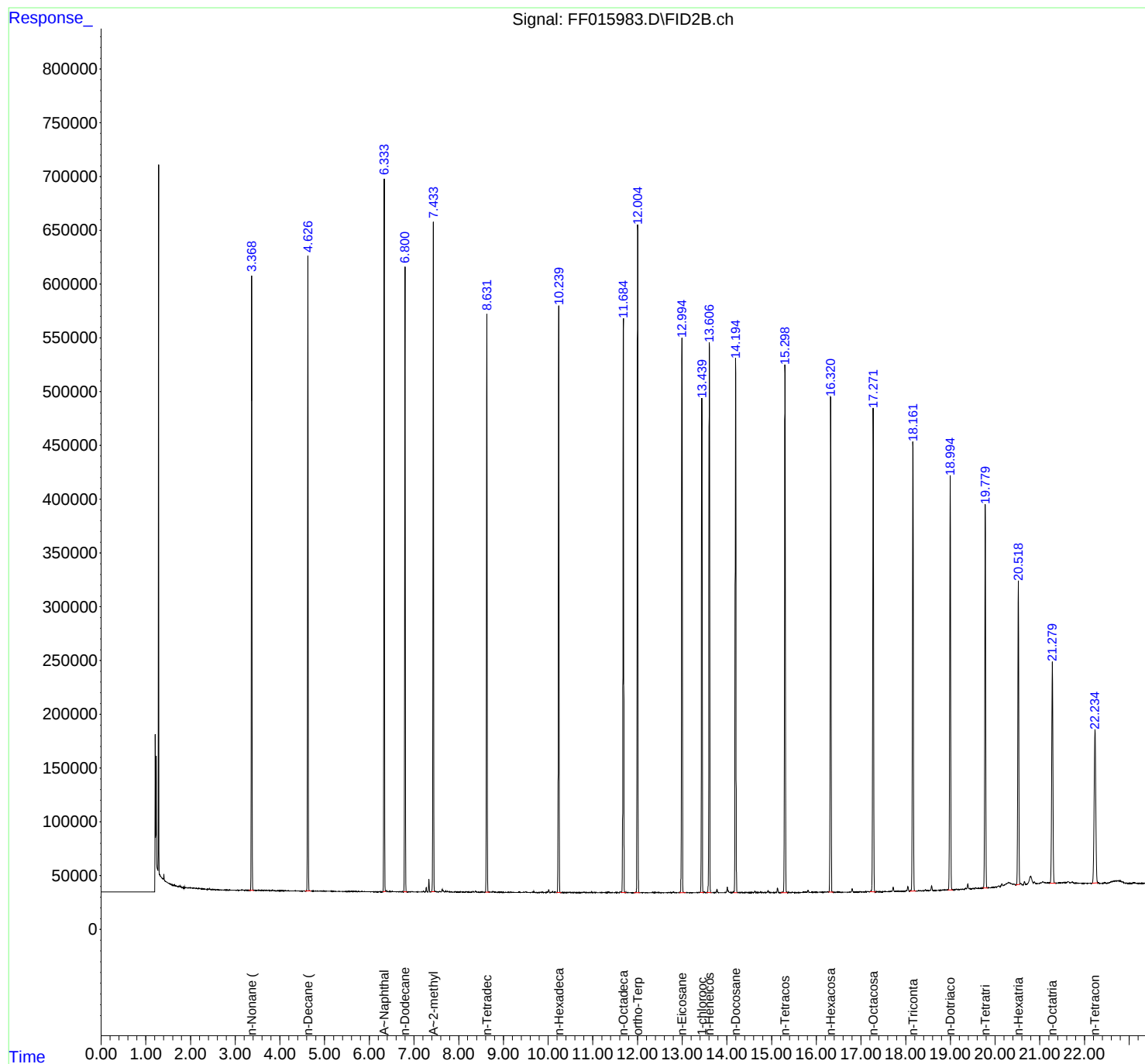
(m)=manual int.

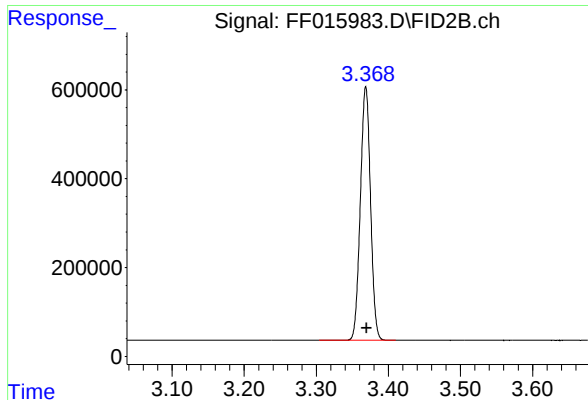
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF061325AL\
Data File : FF015983.D
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Operator : YP\AJ
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Misc :
ALS Vial : 22 Sample Multiplier: 1

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

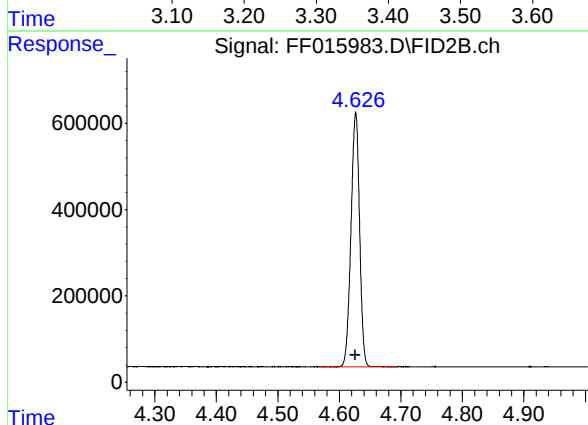




#1 n-Nonane (C9)

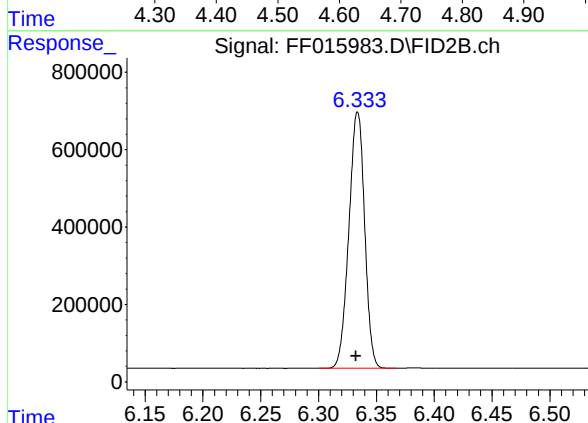
R.T.: 3.369 min
Delta R.T.: -0.001 min
Response: 5597890
Conc: 45.19 ug/ml

Instrument :
FID_F
ClientSampleId :
50 PPM ALIPHATIC HC STD2



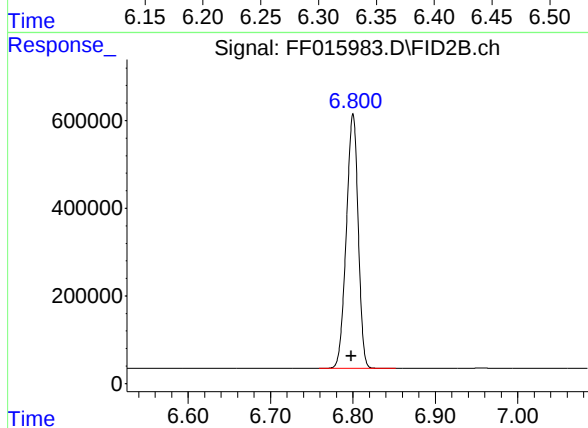
#2 n-Decane (C10)

R.T.: 4.627 min
Delta R.T.: 0.000 min
Response: 5716746
Conc: 45.22 ug/ml



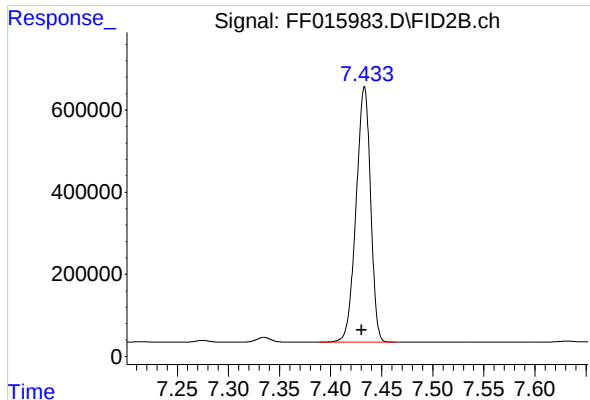
#3 A~Naphthalene (C11.7)

R.T.: 6.334 min
Delta R.T.: 0.001 min
Response: 6277309
Conc: 45.19 ug/ml



#4 n-Dodecane (C12)

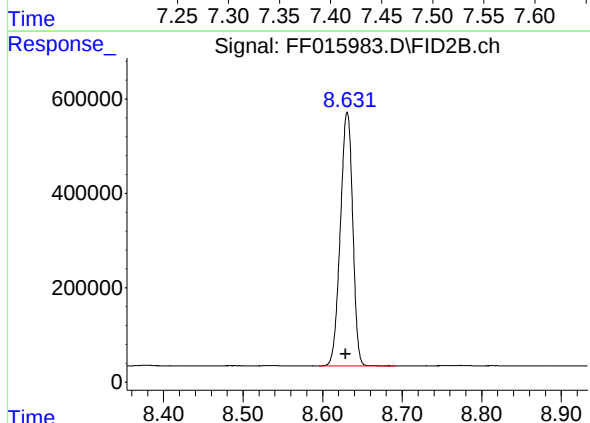
R.T.: 6.800 min
Delta R.T.: 0.002 min
Response: 5790270
Conc: 45.33 ug/ml



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

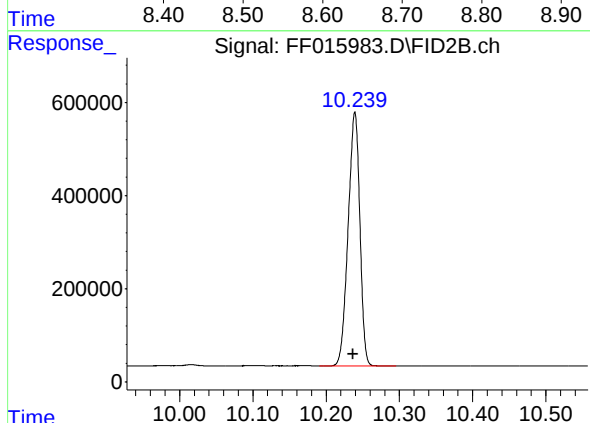
R.T.: 7.433 min
Delta R.T.: 0.003 min
Response: 6130238
Conc: 45.33 ug/ml

Instrument :
FID_F
ClientSampleId :
50 PPM ALIPHATIC HC STD2



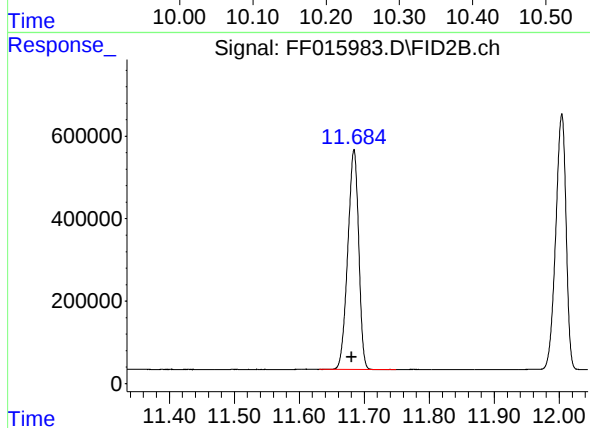
#6 n-Tetradecane (C14)

R.T.: 8.631 min
Delta R.T.: 0.002 min
Response: 5800608
Conc: 45.34 ug/ml



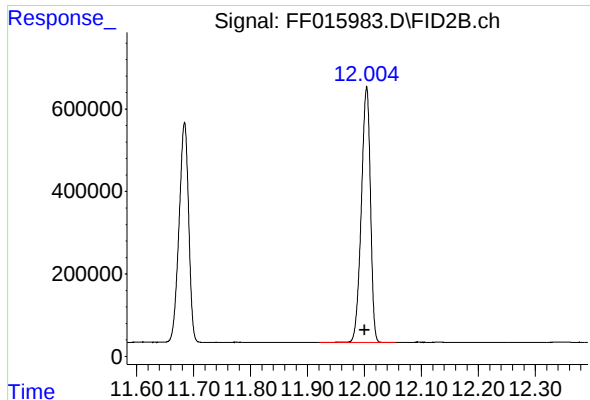
#7 n-Hexadecane (C16)

R.T.: 10.239 min
Delta R.T.: 0.003 min
Response: 6059170
Conc: 45.42 ug/ml



#8 n-Octadecane (C18)

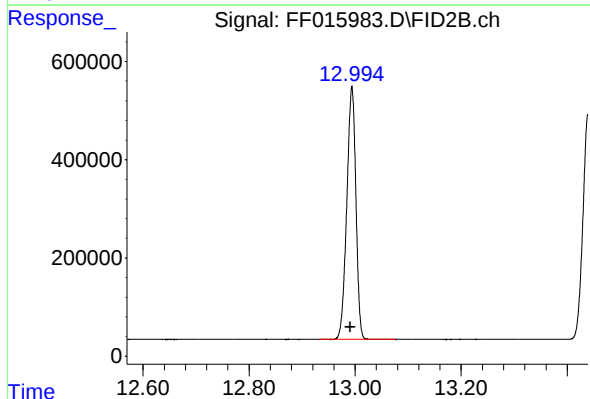
R.T.: 11.684 min
Delta R.T.: 0.003 min
Response: 6233835
Conc: 45.43 ug/ml



#9 ortho-Terphenyl (SURR)

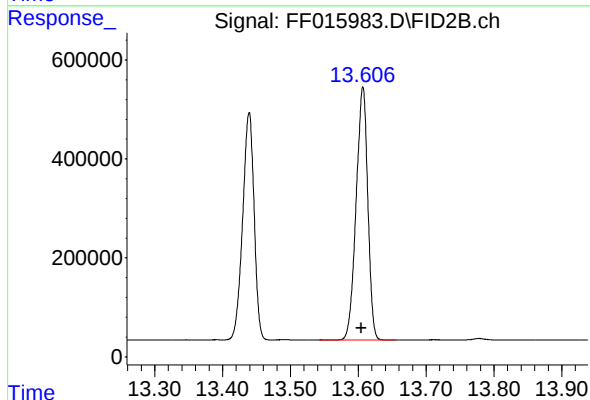
R.T.: 12.004 min
Delta R.T.: 0.003 min
Response: 6874715
Conc: 45.29 ug/ml

Instrument :
FID_F
ClientSampleId :
50 PPM ALIPHATIC HC STD2



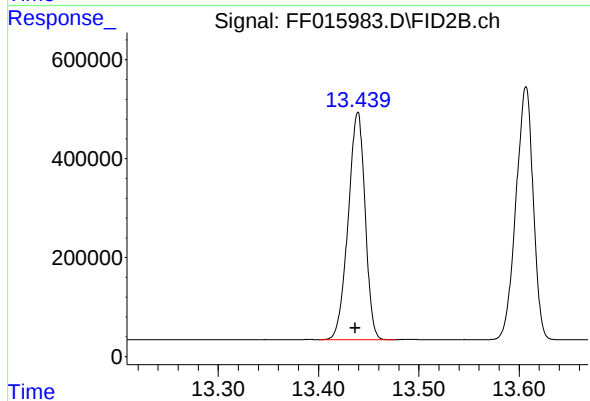
#10 n-Eicosane (C20)

R.T.: 12.994 min
Delta R.T.: 0.002 min
Response: 6134987
Conc: 45.41 ug/ml



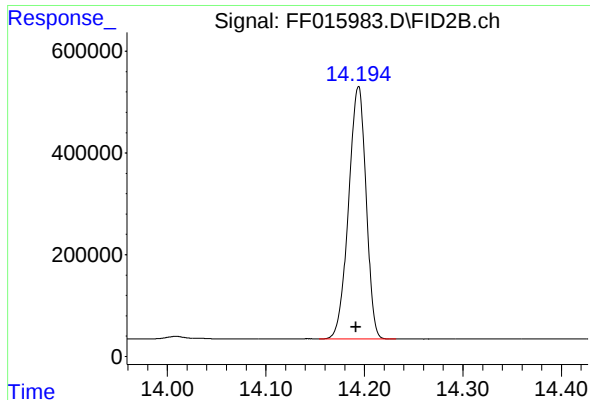
#11 n-Heneicosane (C21)

R.T.: 13.607 min
Delta R.T.: 0.002 min
Response: 6099052
Conc: 45.44 ug/ml



#12 1-chlorooctadecane (SURR)

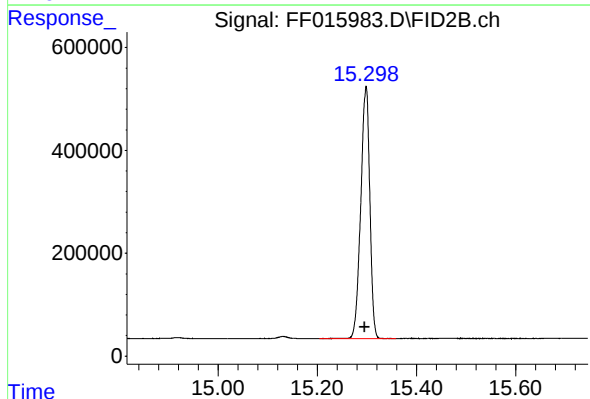
R.T.: 13.439 min
Delta R.T.: 0.002 min
Response: 5385795
Conc: 45.54 ug/ml



#13 n-Docosane (C22)

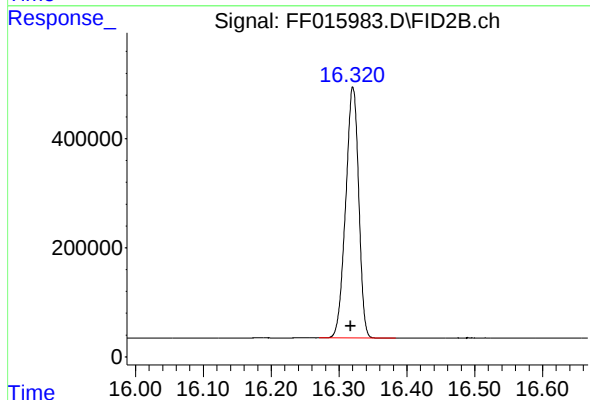
R.T.: 14.194 min
Delta R.T.: 0.003 min
Response: 6136711
Conc: 45.38 ug/ml

Instrument :
FID_F
ClientSampleId :
50 PPM ALIPHATIC HC STD2



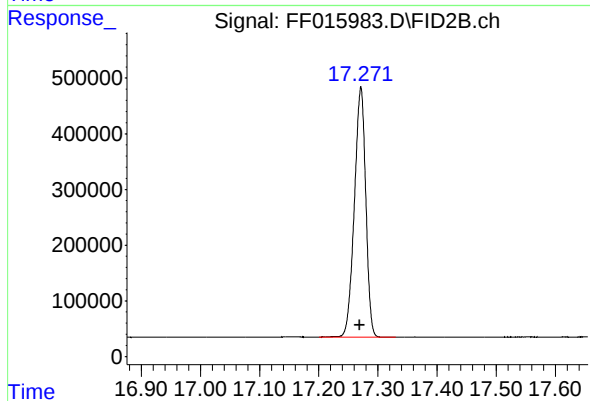
#14 n-Tetracosane (C24)

R.T.: 15.298 min
Delta R.T.: 0.003 min
Response: 6221038
Conc: 45.24 ug/ml



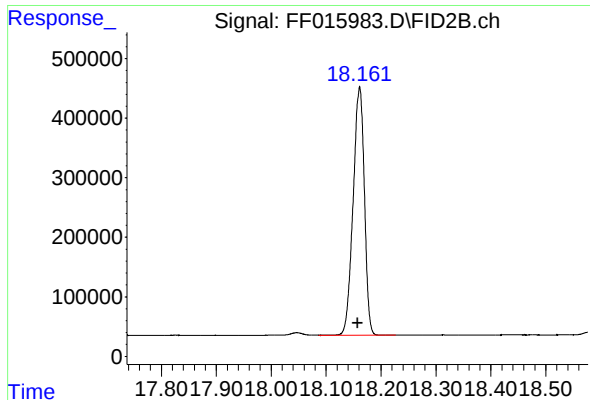
#15 n-Hexacosane (C26)

R.T.: 16.320 min
Delta R.T.: 0.003 min
Response: 6145747
Conc: 45.24 ug/ml



#16 n-Octacosane (C28)

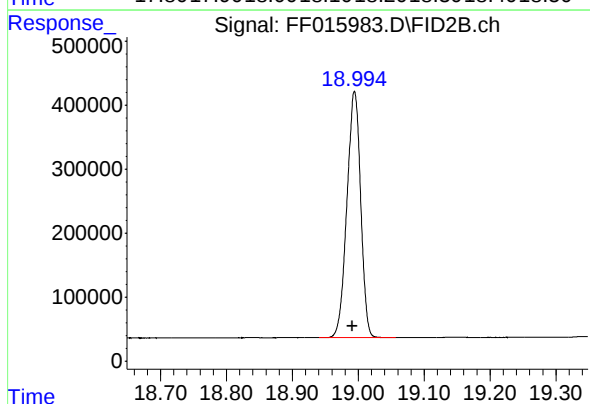
R.T.: 17.271 min
Delta R.T.: 0.002 min
Response: 5998380
Conc: 44.96 ug/ml



#17 n-Tricontane (C30)

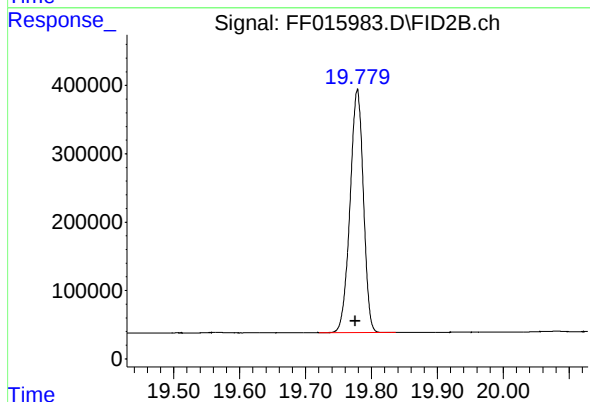
R.T.: 18.161 min
Delta R.T.: 0.003 min
Response: 5953333
Conc: 44.56 ug/ml

Instrument :
FID_F
ClientSampleId :
50 PPM ALIPHATIC HC STD2



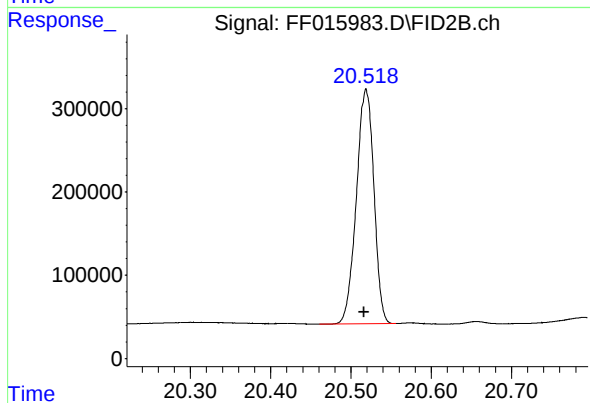
#18 n-Dotriacontane (C32)

R.T.: 18.994 min
Delta R.T.: 0.003 min
Response: 5582085
Conc: 44.37 ug/ml



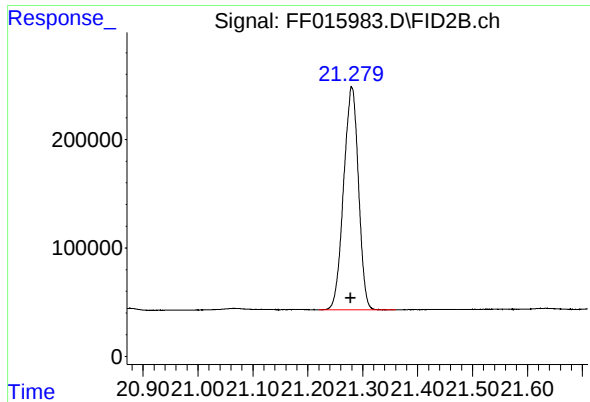
#19 n-Tetatriacontane (C34)

R.T.: 19.779 min
Delta R.T.: 0.003 min
Response: 5003084
Conc: 44.44 ug/ml



#20 n-Hexatriacontane (C36)

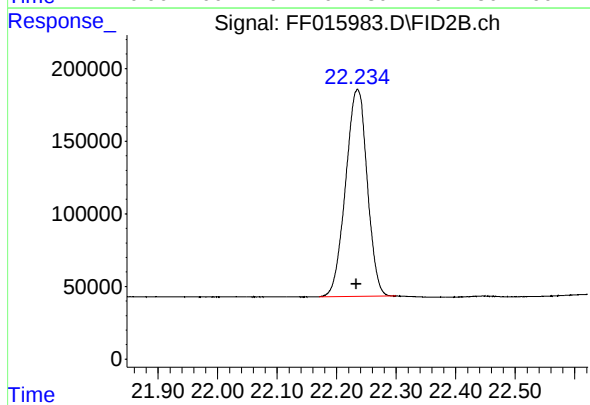
R.T.: 20.519 min
Delta R.T.: 0.003 min
Response: 4277535
Conc: 44.68 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.280 min
Delta R.T.: 0.002 min
Response: 3857797
Conc: 44.91 ug/ml

Instrument :
FID_F
ClientSampleId :
50 PPM ALIPHATIC HC STD2



#22 n-Tetracontane (C40)

R.T.: 22.235 min
Delta R.T.: 0.002 min
Response: 3590251
Conc: 45.28 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF061325AL\
 Data File : FF015983.D
 Signal(s) : FID2B.ch
 Acq On : 13 Jun 2025 23:52
 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 061325.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	3.369	3.304	3.410	BB	571574	5597890	81.43%	4.483%
2	4.627	4.567	4.692	BB	591997	5716746	83.16%	4.578%
3	6.334	6.300	6.367	BV	663483	6277309	91.31%	5.027%
4	6.800	6.759	6.852	BB	582341	5790270	84.23%	4.637%
5	7.433	7.389	7.464	BV	625319	6130238	89.17%	4.909%
6	8.631	8.595	8.692	BB	536886	5800608	84.38%	4.645%
7	10.239	10.190	10.295	BB	545003	6059170	88.14%	4.853%
8	11.684	11.630	11.749	BB	532762	6233835	90.68%	4.992%
9	12.004	11.920	12.055	BB	619984	6874715	100.00%	5.506%
10	12.994	12.932	13.077	BB	515111	6134987	89.24%	4.913%
11	13.439	13.400	13.477	BV	459471	5385795	78.34%	4.313%
12	13.607	13.542	13.655	BB	512585	6099052	88.72%	4.884%
13	14.194	14.154	14.232	VB	497242	6136711	89.26%	4.915%
14	15.298	15.204	15.359	BB	492249	6221038	90.49%	4.982%
15	16.320	16.270	16.384	BB	460129	6145747	89.40%	4.922%
16	17.271	17.200	17.330	BB	447769	5998380	87.25%	4.804%
17	18.161	18.087	18.227	VB	415874	5953333	86.60%	4.768%
18	18.994	18.940	19.057	BB	385035	5582085	81.20%	4.470%
19	19.779	19.720	19.837	BB	355892	5003084	72.78%	4.007%
20	20.519	20.460	20.556	BV	282009	4277535	62.22%	3.426%
21	21.280	21.220	21.360	BB	204669	3857797	56.12%	3.090%
22	22.235	22.170	22.300	BBA	142596	3590251	52.22%	2.875%
Sum of corrected areas:						124866577		

Aliphatic EPH 061325.M Mon Jun 16 03:25:27 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF061325AL\
 Data File : FF015984.D
 Signal(s) : FID2B.ch
 Acq On : 14 Jun 2025 00:22
 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

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/16/2025
 Supervised By :mohammad ahmed 06/17/2025

Integration File: autoint1.e
 Quant Time: Jun 16 03:09:29 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 061325.M
 Quant Title : GC Extractables
 QLast Update : Mon Jun 16 03:08:01 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)	12.000	3035639	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
12) S 1-chlorooctadecane (S...	13.437	2365378	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
Target Compounds			
1) T n-Nonane (C9)	3.370	2477752	20.000 ug/ml
2) T n-Decane (C10)	4.626	2528694	20.000 ug/ml
3) T A~Naphthalene (C11.7)	6.332	2778464	20.000 ug/ml
4) T n-Dodecane (C12)	6.798	2554635	20.000 ug/ml
5) T A~2-methylnaphthalene...	7.430	2704716	20.000 ug/ml
6) T n-Tetradecane (C14)	8.629	2558861	20.000 ug/ml
7) T n-Hexadecane (C16)	10.237	2667800	20.000 ug/ml
8) T n-Octadecane (C18)	11.681	2744660	20.000 ug/ml
10) T n-Eicosane (C20)	12.991	2702134	20.000 ug/ml
11) T n-Heneicosane (C21)	13.604	2684644	20.000 ug/ml
13) T n-Docosane (C22)	14.191	2704323	20.000 ug/ml
14) T n-Tetracosane (C24)	15.295	2750169	20.000 ug/ml
15) T n-Hexacosane (C26)	16.317	2716837	20.000 ug/ml
16) T n-Octacosane (C28)	17.269	2668076	20.000 ug/ml
17) T n-Tricontane (C30)	18.158	2672164	20.000 ug/ml
18) T n-Dotriacontane (C32)	18.991	2516385	20.000 ug/ml
19) T n-Tetratriacontane (C34)	19.775	2251586	20.000 ug/ml
20) T n-Hexatriacontane (C36)	20.516	1914535	20.000 ug/ml
21) T n-Octatriacontane (C38)	21.278	1717992	20.000 ug/ml
22) T n-Tetracontane (C40)	22.233	1585696	20.000 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF061325AL\
Data File : FF015984.D
Signal(s) : FID2B.ch
Acq On : 14 Jun 2025 00:22
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD3
Misc :
ALS Vial : 23 Sample Multiplier: 1

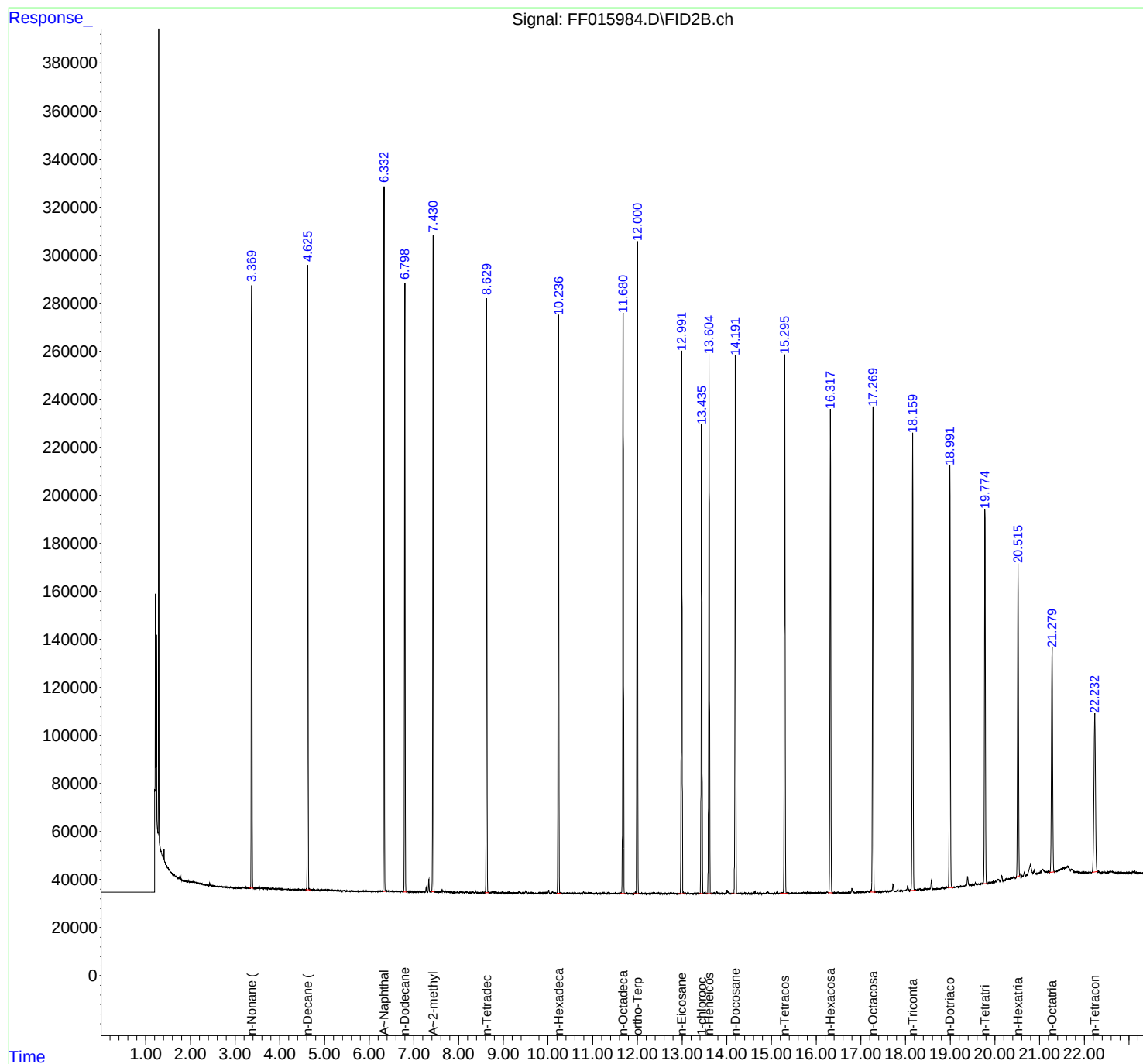
Instrument :
FID_F
ClientSampleId :
20 PPM ALIPHATIC HC STD3

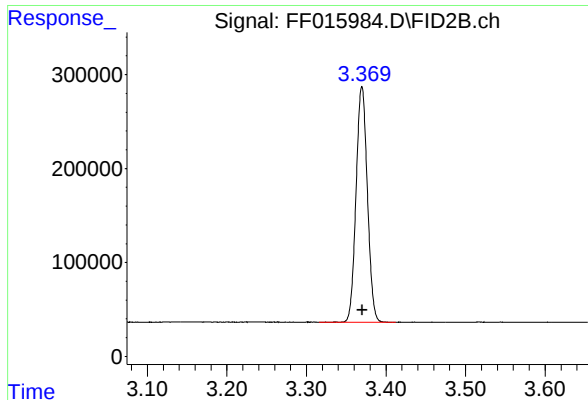
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/16/2025
Supervised By :mohammad ahmed 06/17/2025

Integration File: autoint1.e
Quant Time: Jun 16 03:09:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 061325.M
Quant Title : GC Extractables
QLast Update : Mon Jun 16 03:08:01 2025
Response via : Initial Calibration
Integrator: ChemStation

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





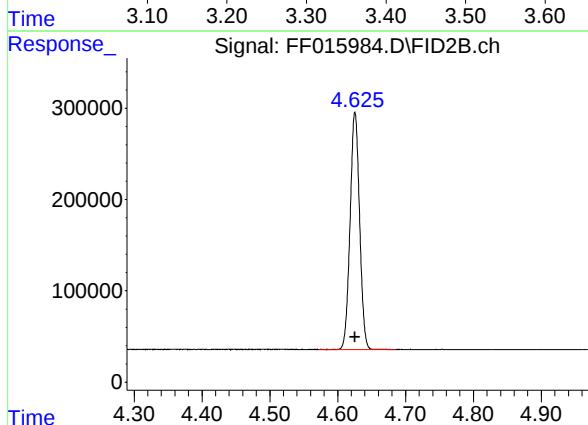
#1 n-Nonane (C9)

R.T.: 3.370 min
Delta R.T.: 0.000 min
Response: 2477752
Conc: 20.00 ug/ml

Instrument :
FID_F
ClientSampleId :
20 PPM ALIPHATIC HC STD3

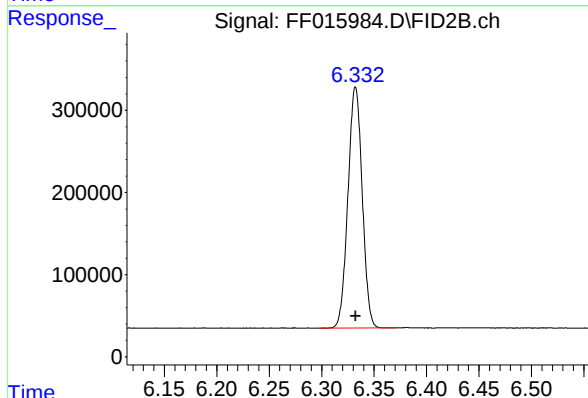
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/16/2025
Supervised By :mohammad ahmed 06/17/2025



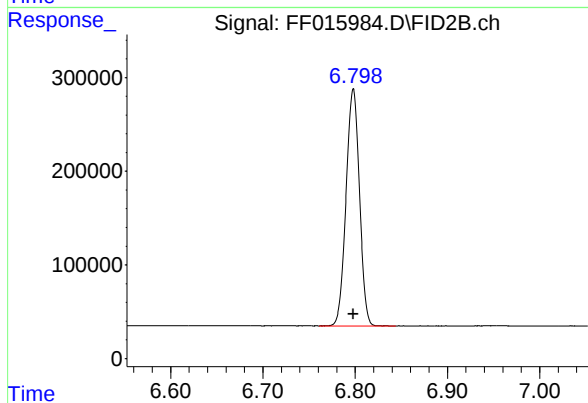
#2 n-Decane (C10)

R.T.: 4.626 min
Delta R.T.: 0.000 min
Response: 2528694
Conc: 20.00 ug/ml



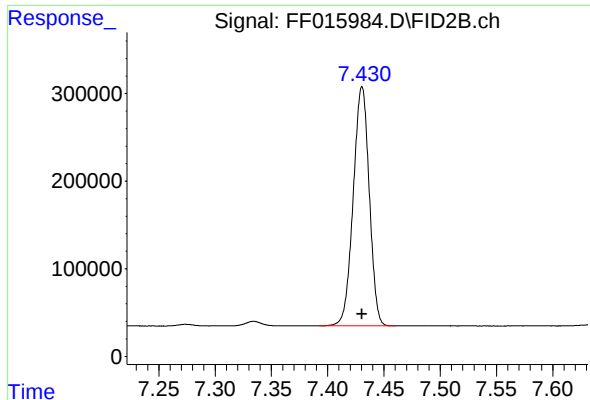
#3 A~Naphthalene (C11.7)

R.T.: 6.332 min
Delta R.T.: 0.000 min
Response: 2778464
Conc: 20.00 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.798 min
Delta R.T.: 0.000 min
Response: 2554635
Conc: 20.00 ug/ml



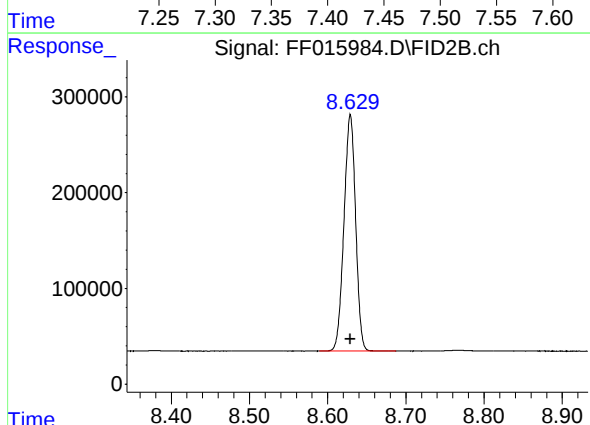
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.430 min
Delta R.T.: 0.000 min
Response: 2704716
Conc: 20.00 ug/ml

Instrument : FID_F
ClientSampleId : 20 PPM ALIPHATIC HC STD3

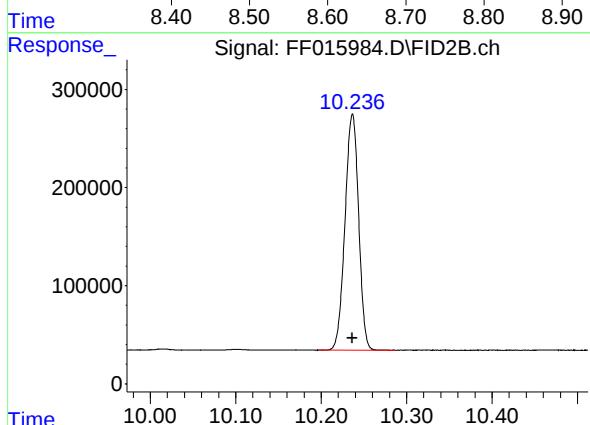
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/16/2025
Supervised By :mohammad ahmed 06/17/2025



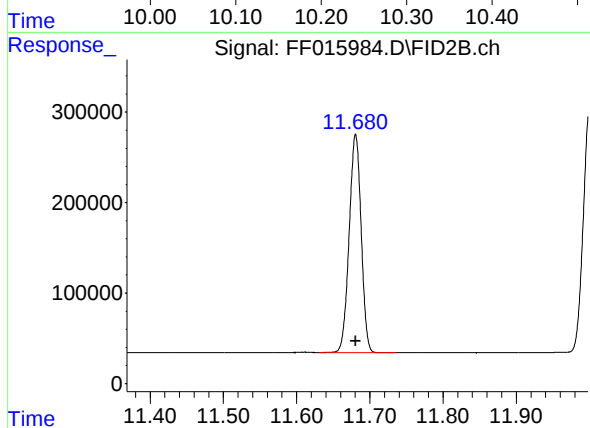
#6 n-Tetradecane (C14)

R.T.: 8.629 min
Delta R.T.: 0.000 min
Response: 2558861
Conc: 20.00 ug/ml



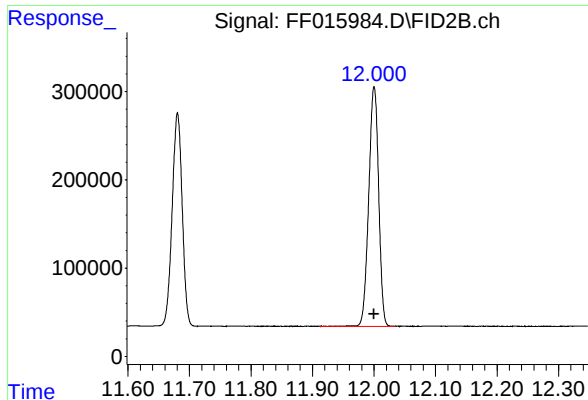
#7 n-Hexadecane (C16)

R.T.: 10.237 min
Delta R.T.: 0.000 min
Response: 2667800
Conc: 20.00 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.681 min
Delta R.T.: 0.000 min
Response: 2744660
Conc: 20.00 ug/ml



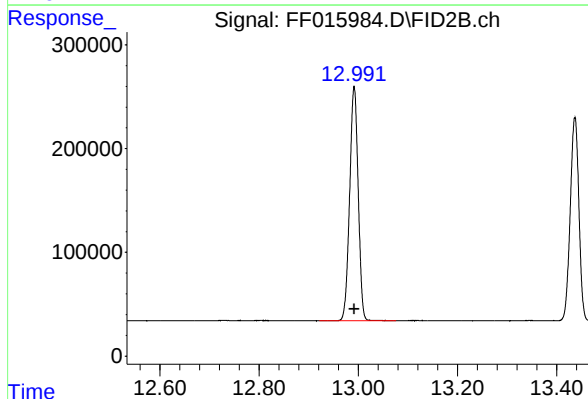
#9 ortho-Terphenyl (SURR)

R.T.: 12.000 min
Delta R.T.: 0.000 min
Response: 3035639
Conc: 20.00 ug/ml

Instrument :
FID_F
ClientSampleId :
20 PPM ALIPHATIC HC STD3

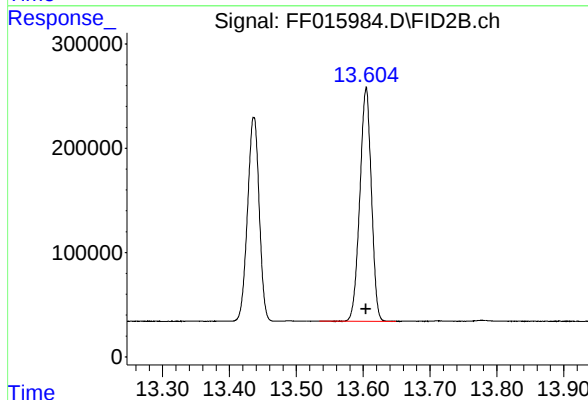
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/16/2025
Supervised By :mohammad ahmed 06/17/2025



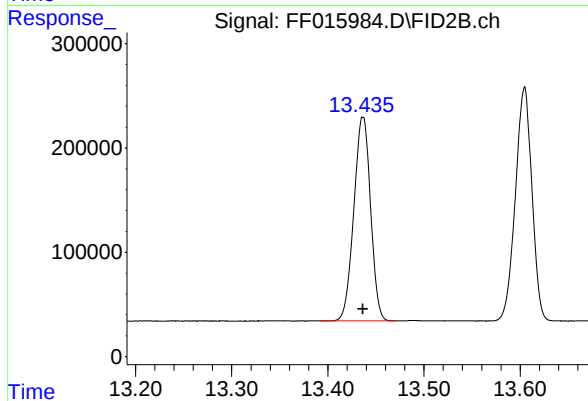
#10 n-Eicosane (C20)

R.T.: 12.991 min
Delta R.T.: 0.000 min
Response: 2702134
Conc: 20.00 ug/ml



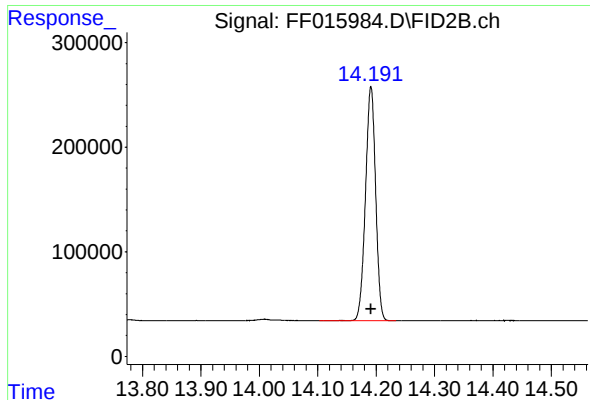
#11 n-Heneicosane (C21)

R.T.: 13.604 min
Delta R.T.: 0.000 min
Response: 2684644
Conc: 20.00 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.437 min
Delta R.T.: 0.000 min
Response: 2365378
Conc: 20.00 ug/ml



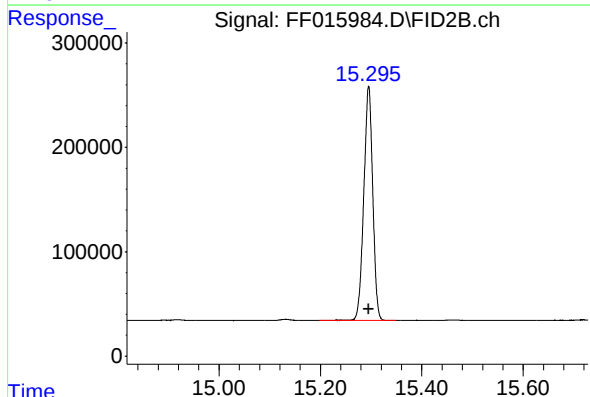
#13 n-Docosane (C22)

R.T.: 14.191 min
Delta R.T.: 0.000 min
Response: 2704323
Conc: 20.00 ug/ml

Instrument : FID_F
ClientSampleId : 20 PPM ALIPHATIC HC STD3

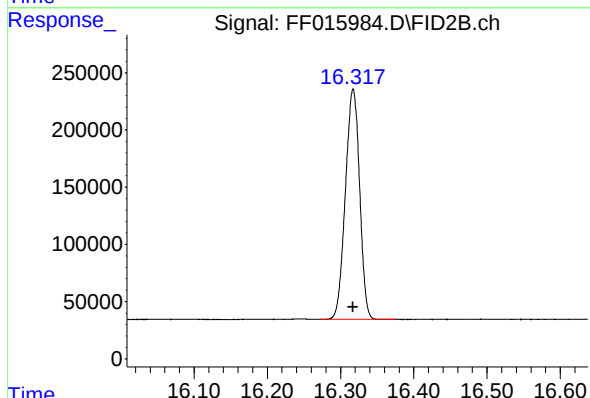
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/16/2025
Supervised By :mohammad ahmed 06/17/2025



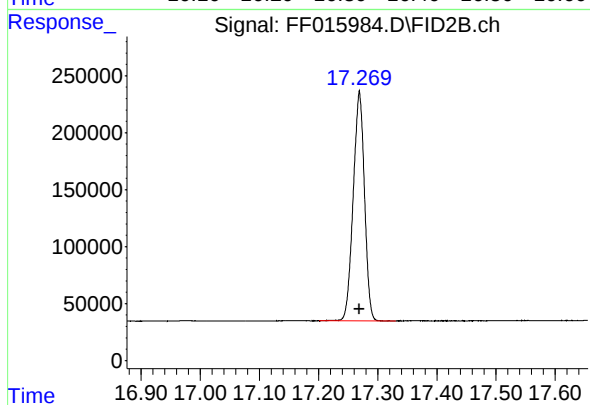
#14 n-Tetracosane (C24)

R.T.: 15.295 min
Delta R.T.: 0.000 min
Response: 2750169
Conc: 20.00 ug/ml



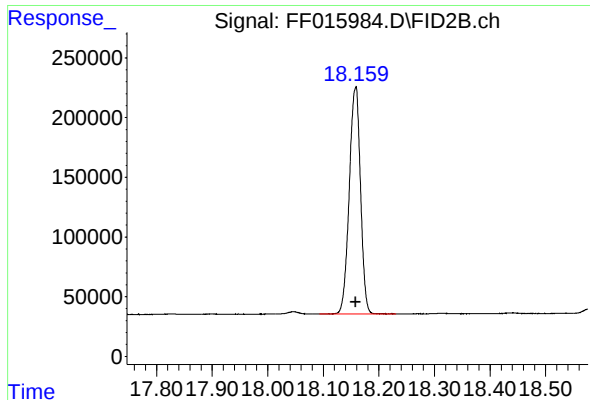
#15 n-Hexacosane (C26)

R.T.: 16.317 min
Delta R.T.: 0.000 min
Response: 2716837
Conc: 20.00 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.269 min
Delta R.T.: 0.000 min
Response: 2668076
Conc: 20.00 ug/ml



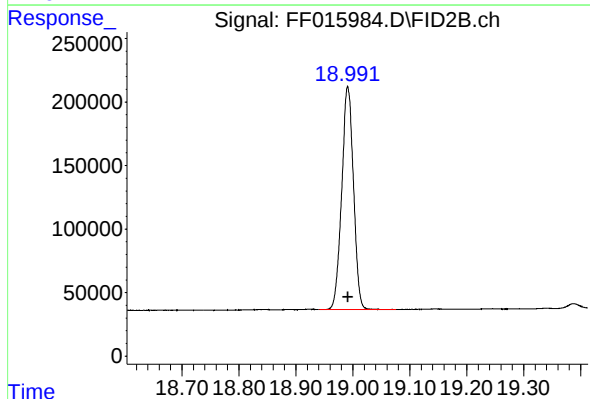
#17 n-Tricontane (C30)

R.T.: 18.158 min
Delta R.T.: 0.000 min
Response: 2672164
Conc: 20.00 ug/ml

Instrument :
FID_F
ClientSampleId :
20 PPM ALIPHATIC HC STD3

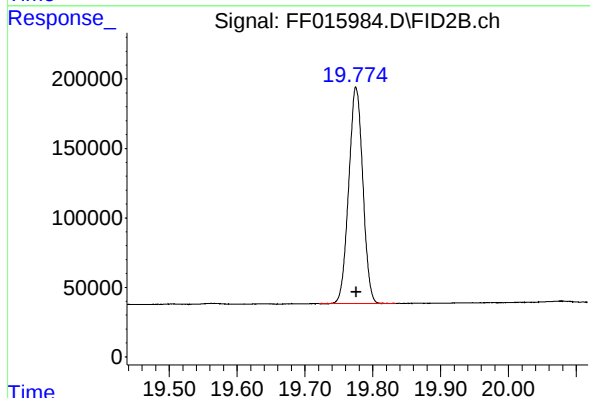
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/16/2025
Supervised By :mohammad ahmed 06/17/2025



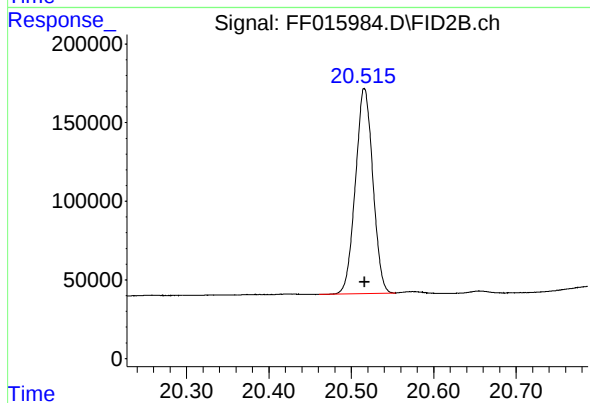
#18 n-Dotriacontane (C32)

R.T.: 18.991 min
Delta R.T.: 0.000 min
Response: 2516385
Conc: 20.00 ug/ml



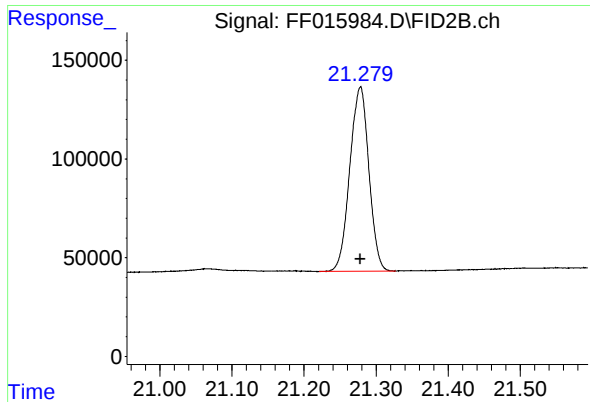
#19 n-Tetatriacontane (C34)

R.T.: 19.775 min
Delta R.T.: 0.000 min
Response: 2251586
Conc: 20.00 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.516 min
Delta R.T.: 0.000 min
Response: 1914535
Conc: 20.00 ug/ml



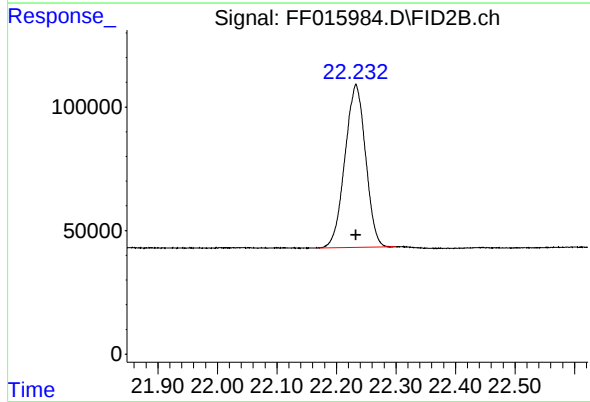
#21 n-Octatriacontane (C38)

R.T.: 21.278 min
Delta R.T.: 0.000 min
Response: 1717992
Conc: 20.00 ug/ml

Instrument :
FID_F
ClientSampleId :
20 PPM ALIPHATIC HC STD3

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/16/2025
Supervised By :mohammad ahmed 06/17/2025



#22 n-Tetracontane (C40)

R.T.: 22.233 min
Delta R.T.: 0.000 min
Response: 1585696
Conc: 20.00 ug/ml

rters

Instrument :
FID_F
LabSampleId :
20 PPM ALIPHATIC HC STD3
Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 06/16/2025
Supervised By :mohammad ahmed 06/17/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF06132
Data File : FF015984.D
Signal(s) : FID2B.ch
Acq On : 14 Jun 2025 00:22
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 061325.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	3.370	3.316	3.412	BB	250960	2477752	81.62%	4.480%
2	4.626	4.572	4.686	BB	259596	2528694	83.30%	4.573%
3	6.332	6.297	6.371	BV	293219	2778464	91.53%	5.024%
4	6.798	6.761	6.844	BB	253402	2554635	84.15%	4.619%
5	7.430	7.392	7.461	BB	273670	2704716	89.10%	4.891%
6	8.629	8.589	8.687	BB	247315	2558861	84.29%	4.627%
7	10.237	10.197	10.287	BB	240000	2667800	87.88%	4.824%
8	11.681	11.631	11.736	BB	241517	2744660	90.41%	4.963%
9	12.000	11.911	12.036	BB	271371	3035639	100.00%	5.489%
10	12.991	12.921	13.076	BB	225733	2702134	89.01%	4.886%
11	13.437	13.391	13.471	BV	196076	2365378	77.92%	4.277%
12	13.604	13.534	13.649	BB	223577	2684644	88.44%	4.855%
13	14.191	14.102	14.234	BB	224181	2704323	89.09%	4.890%
14	15.295	15.197	15.349	BB	224963	2750169	90.60%	4.973%
15	16.317	16.271	16.376	BB	201437	2716837	89.50%	4.913%
16	17.269	17.201	17.331	BB	201701	2668076	87.89%	4.825%
17	18.158	18.092	18.231	BB	189198	2672164	88.03%	4.832%
18	18.991	18.941	19.076	BB	175396	2516385	82.89%	4.550%
19	19.775	19.721	19.834	BB	155152	2251586	74.17%	4.072%
20	20.516	20.461	20.554	BV	130153	1914535	63.07%	3.462%
21	21.278	21.221	21.327	BB	93290	1717992	56.59%	3.107%
22	22.233	22.171	22.300	BBA	65932	1585696	52.24%	2.867%
Sum of corrected areas:						55301139		

Aliphatic EPH 061325.M Mon Jun 16 03:26:12 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF061325AL\
 Data File : FF015985.D
 Signal(s) : FID2B.ch
 Acq On : 14 Jun 2025 00:51
 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: Jun 16 03:09:49 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 061325.M
 Quant Title : GC Extractables
 QLast Update : Mon Jun 16 03:08:01 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)	11.998	1413557	9.313 ug/ml
Spiked Amount 50.000		Recovery =	18.63%
12) S 1-chlorooctadecane (S...	13.436	1091501	9.229 ug/ml
Spiked Amount 50.000		Recovery =	18.46%
Target Compounds			
1) T n-Nonane (C9)	3.368	1158423	9.351 ug/ml
2) T n-Decane (C10)	4.625	1181586	9.345 ug/ml
3) T A~Naphthalene (C11.7)	6.332	1297681	9.341 ug/ml
4) T n-Dodecane (C12)	6.798	1194606	9.352 ug/ml
5) T A~2-methylnaphthalene...	7.430	1263797	9.345 ug/ml
6) T n-Tetradecane (C14)	8.628	1202549	9.399 ug/ml
7) T n-Hexadecane (C16)	10.236	1245790	9.339 ug/ml
8) T n-Octadecane (C18)	11.680	1281391	9.337 ug/ml
10) T n-Eicosane (C20)	12.991	1259547	9.323 ug/ml
11) T n-Heneicosane (C21)	13.603	1243757	9.266 ug/ml
13) T n-Docosane (C22)	14.190	1245352	9.210 ug/ml
14) T n-Tetracosane (C24)	15.294	1259091	9.156 ug/ml
15) T n-Hexacosane (C26)	16.316	1238008	9.114 ug/ml
16) T n-Octacosane (C28)	17.267	1213634	9.097 ug/ml
17) T n-Tricontane (C30)	18.156	1213628	9.083 ug/ml
18) T n-Dotriacontane (C32)	18.990	1153269	9.166 ug/ml
19) T n-Tetratriacontane (C34)	19.775	1026169	9.115 ug/ml
20) T n-Hexatriacontane (C36)	20.516	870298	9.091 ug/ml
21) T n-Octatriacontane (C38)	21.278	795591	9.262 ug/ml
22) T n-Tetracontane (C40)	22.232	717887	9.055 ug/ml

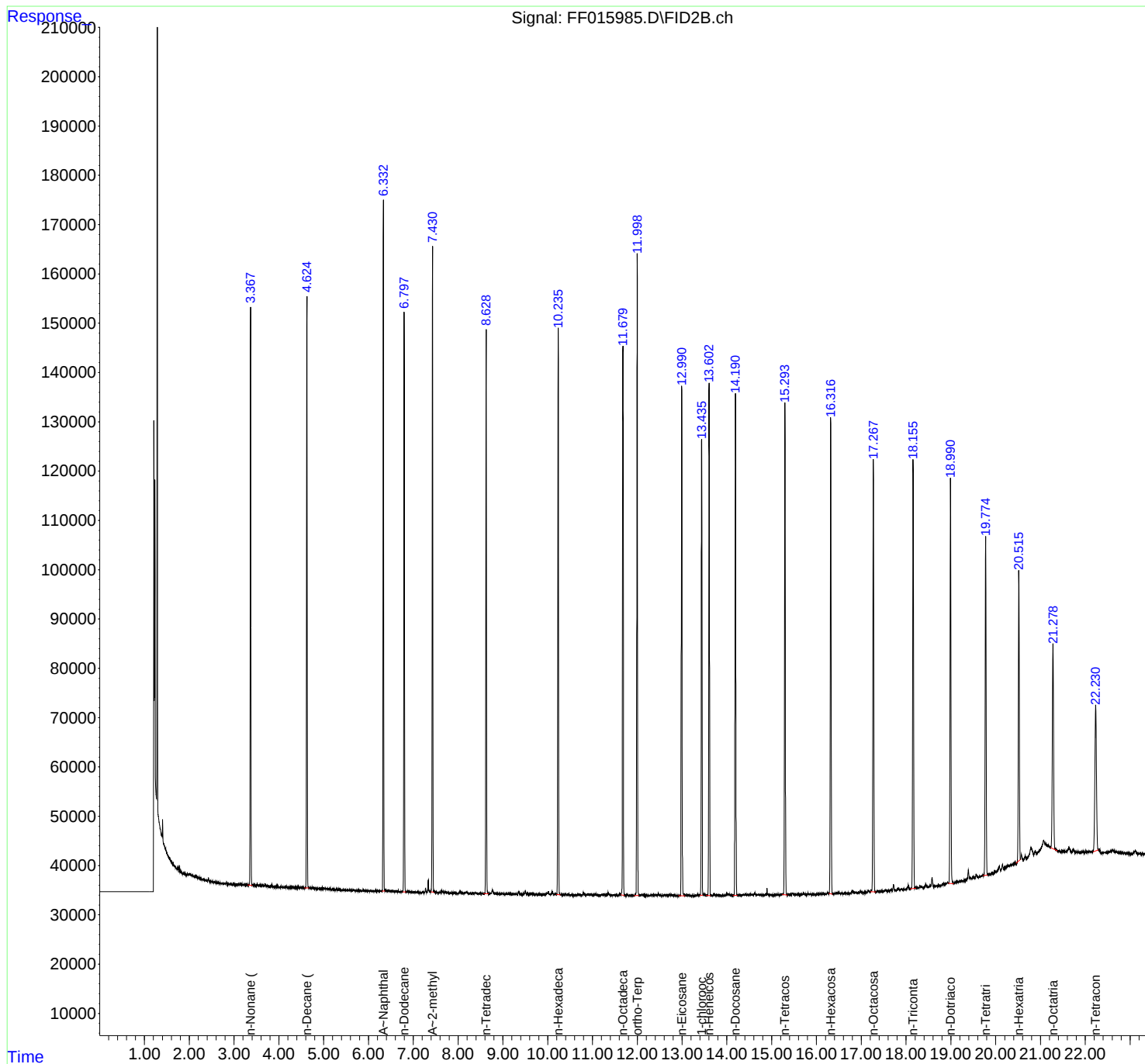
(f)=RT Delta > 1/2 Window

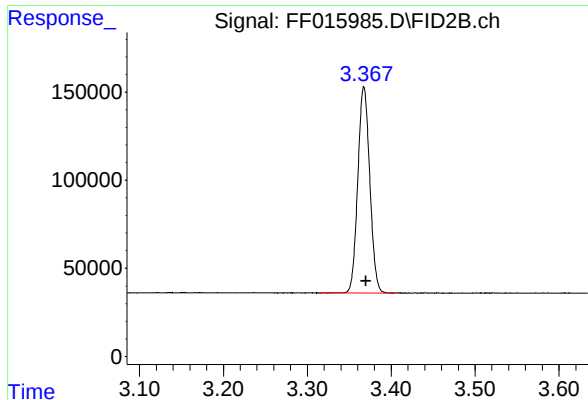
(m)=manual int.

Instrument :
FID_F

ClientSampleId :
10 PPM ALIPHATIC HC STD4

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

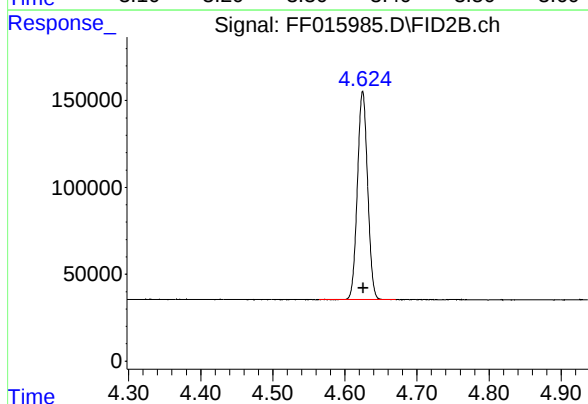




#1 n-Nonane (C9)

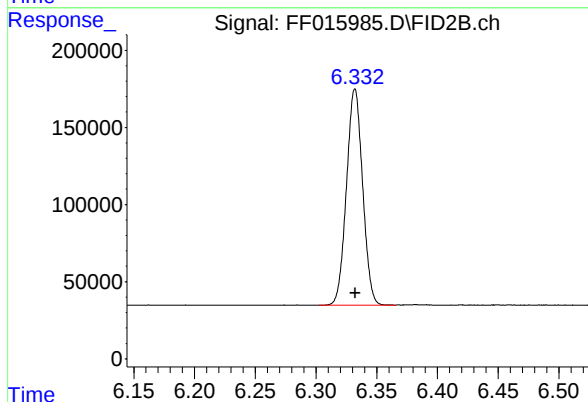
R.T.: 3.368 min
Delta R.T.: -0.002 min
Response: 1158423
Conc: 9.35 ug/ml

Instrument :
FID_F
ClientSampleId :
10 PPM ALIPHATIC HC STD4



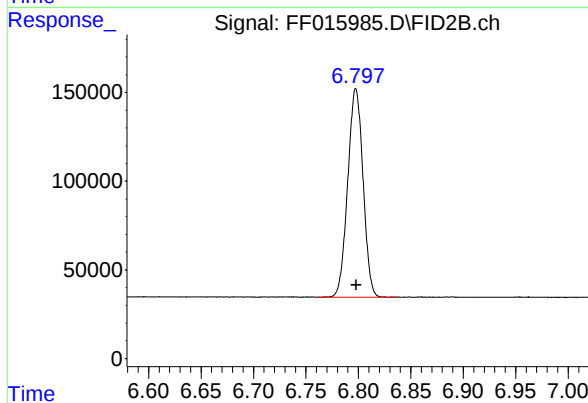
#2 n-Decane (C10)

R.T.: 4.625 min
Delta R.T.: 0.000 min
Response: 1181586
Conc: 9.35 ug/ml



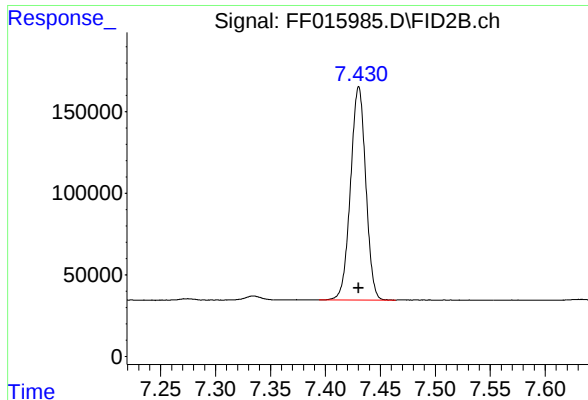
#3 A~Naphthalene (C11.7)

R.T.: 6.332 min
Delta R.T.: 0.000 min
Response: 1297681
Conc: 9.34 ug/ml



#4 n-Dodecane (C12)

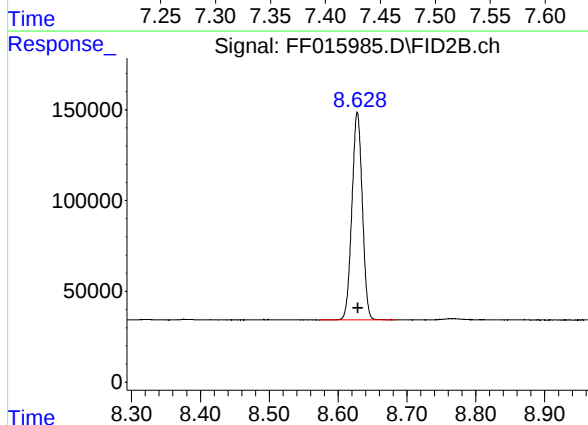
R.T.: 6.798 min
Delta R.T.: 0.000 min
Response: 1194606
Conc: 9.35 ug/ml



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

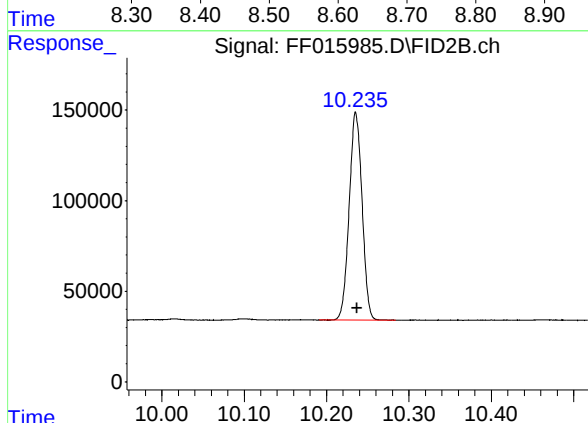
R.T.: 7.430 min
Delta R.T.: 0.000 min
Response: 1263797
Conc: 9.35 ug/ml

Instrument :
FID_F
ClientSampleId :
10 PPM ALIPHATIC HC STD4



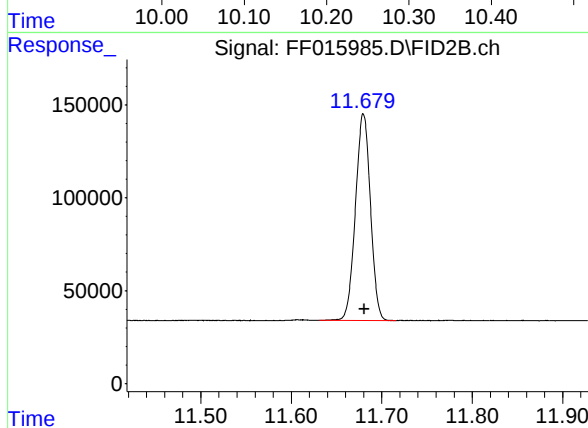
#6 n-Tetradecane (C14)

R.T.: 8.628 min
Delta R.T.: 0.000 min
Response: 1202549
Conc: 9.40 ug/ml



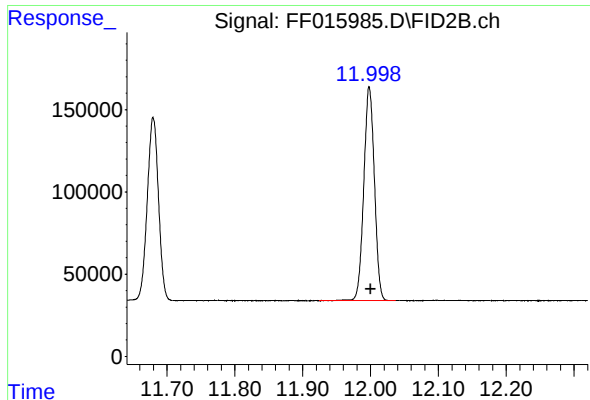
#7 n-Hexadecane (C16)

R.T.: 10.236 min
Delta R.T.: 0.000 min
Response: 1245790
Conc: 9.34 ug/ml



#8 n-Octadecane (C18)

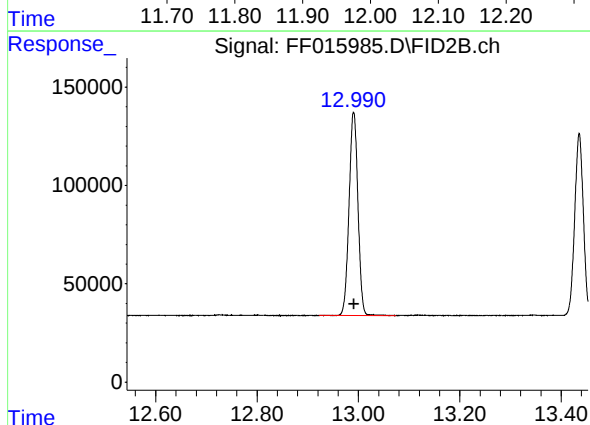
R.T.: 11.680 min
Delta R.T.: 0.000 min
Response: 1281391
Conc: 9.34 ug/ml



#9 ortho-Terphenyl (SURR)

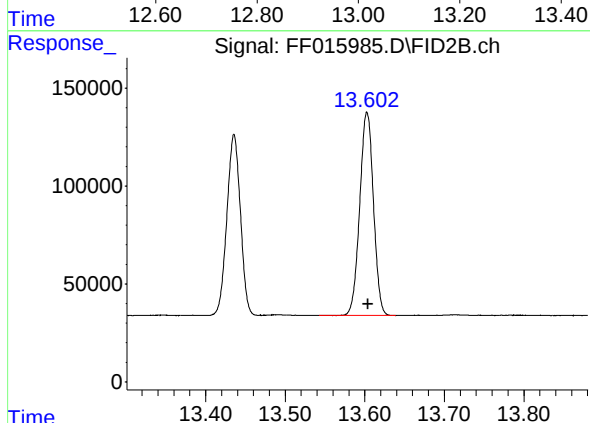
R.T.: 11.998 min
Delta R.T.: -0.002 min
Response: 1413557
Conc: 9.31 ug/ml

Instrument :
FID_F
ClientSampleId :
10 PPM ALIPHATIC HC STD4



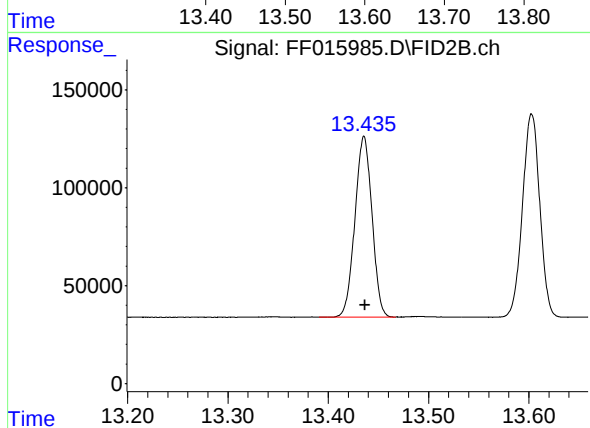
#10 n-Eicosane (C20)

R.T.: 12.991 min
Delta R.T.: 0.000 min
Response: 1259547
Conc: 9.32 ug/ml



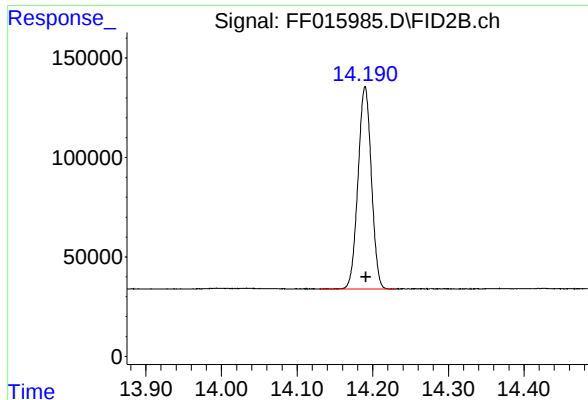
#11 n-Heneicosane (C21)

R.T.: 13.603 min
Delta R.T.: -0.001 min
Response: 1243757
Conc: 9.27 ug/ml



#12 1-chlorooctadecane (SURR)

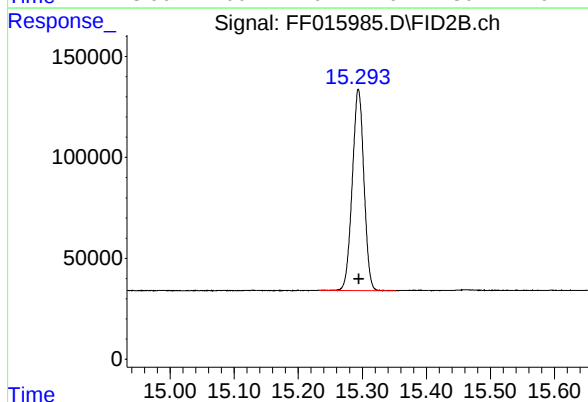
R.T.: 13.436 min
Delta R.T.: 0.000 min
Response: 1091501
Conc: 9.23 ug/ml



#13 n-Docosane (C22)

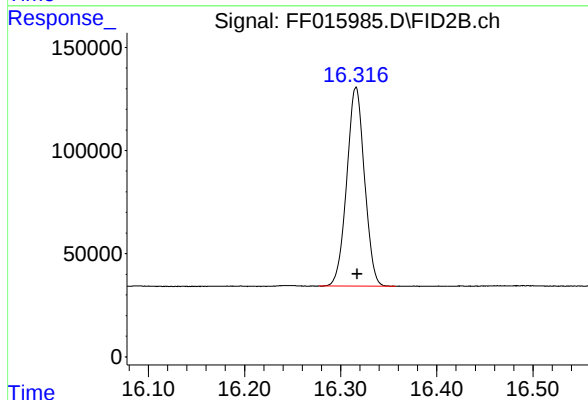
R.T.: 14.190 min
Delta R.T.: -0.001 min
Response: 1245352
Conc: 9.21 ug/ml

Instrument :
FID_F
ClientSampleId :
10 PPM ALIPHATIC HC STD4



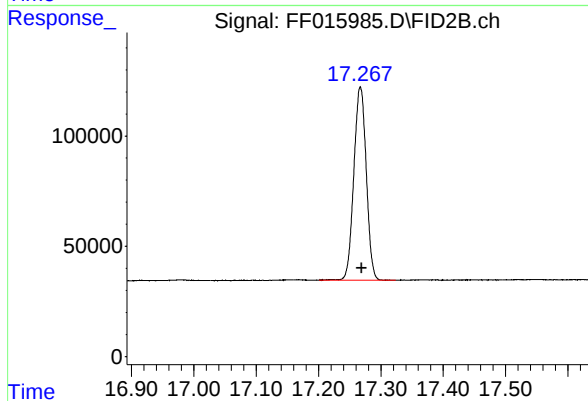
#14 n-Tetracosane (C24)

R.T.: 15.294 min
Delta R.T.: -0.001 min
Response: 1259091
Conc: 9.16 ug/ml



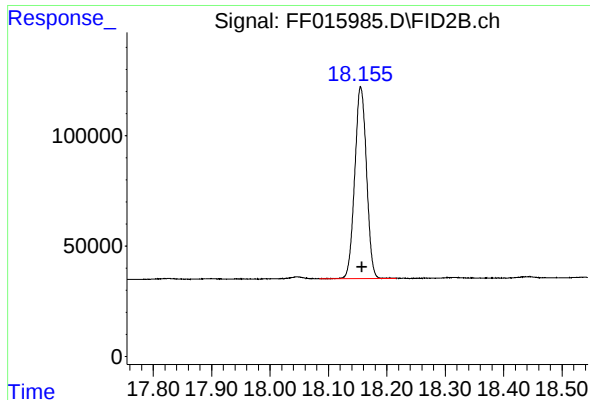
#15 n-Hexacosane (C26)

R.T.: 16.316 min
Delta R.T.: -0.001 min
Response: 1238008
Conc: 9.11 ug/ml



#16 n-Octacosane (C28)

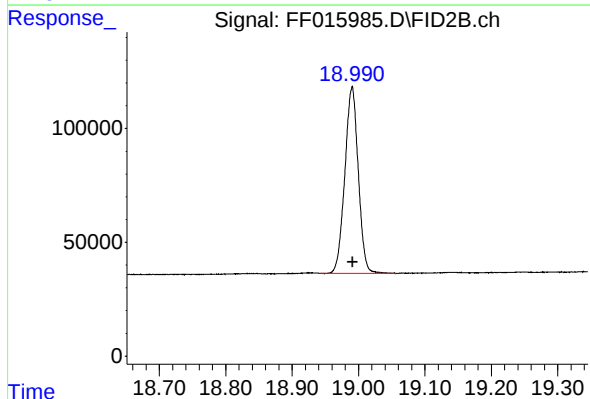
R.T.: 17.267 min
Delta R.T.: -0.002 min
Response: 1213634
Conc: 9.10 ug/ml



#17 n-Tricontane (C30)

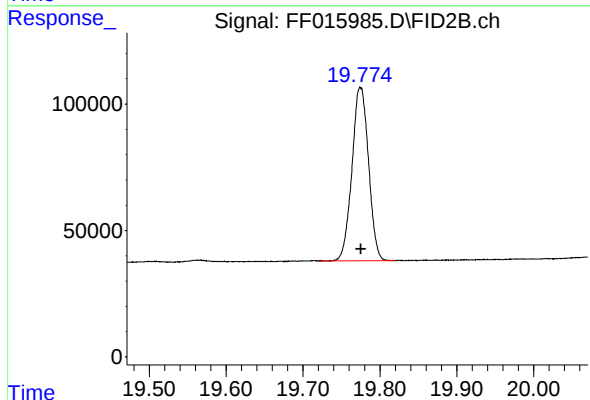
R.T.: 18.156 min
Delta R.T.: -0.002 min
Response: 1213628
Conc: 9.08 ug/ml

Instrument :
FID_F
ClientSampleId :
10 PPM ALIPHATIC HC STD4



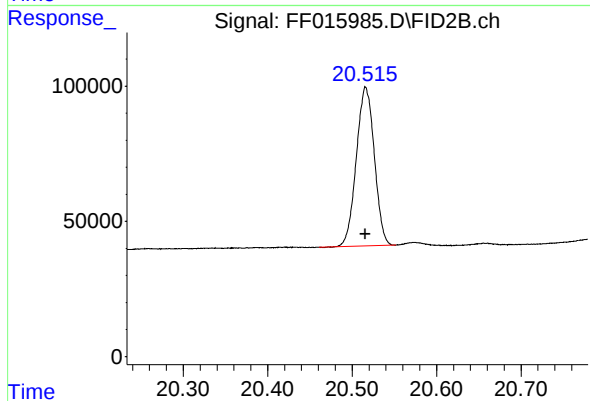
#18 n-Dotriacontane (C32)

R.T.: 18.990 min
Delta R.T.: -0.001 min
Response: 1153269
Conc: 9.17 ug/ml



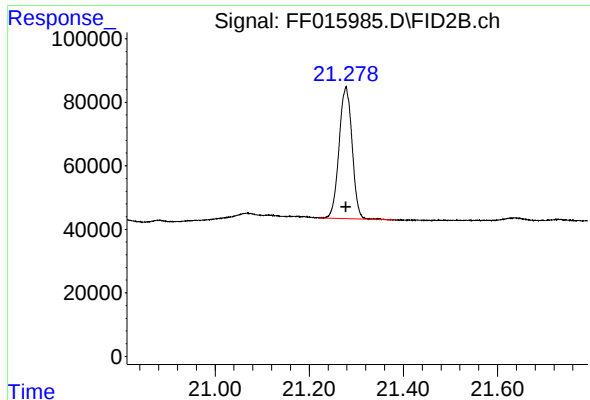
#19 n-Tetatriacontane (C34)

R.T.: 19.775 min
Delta R.T.: 0.000 min
Response: 1026169
Conc: 9.12 ug/ml



#20 n-Hexatriacontane (C36)

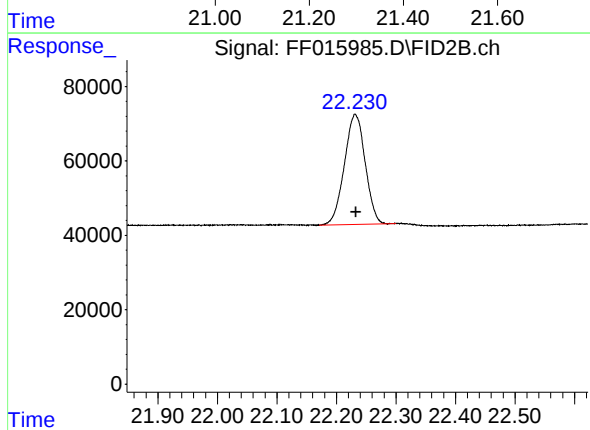
R.T.: 20.516 min
Delta R.T.: 0.000 min
Response: 870298
Conc: 9.09 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.278 min
Delta R.T.: 0.000 min
Response: 795591
Conc: 9.26 ug/ml

Instrument :
FID_F
ClientSampleId :
10 PPM ALIPHATIC HC STD4



#22 n-Tetracontane (C40)

R.T.: 22.232 min
Delta R.T.: -0.001 min
Response: 717887
Conc: 9.05 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF061325AL\
Data File : FF015985.D
Signal(s) : FID2B.ch
Acq On : 14 Jun 2025 00:51
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 061325.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	3.368	3.314	3.406	BB	117099	1158423	81.95%	4.531%
2	4.625	4.564	4.671	BB	119873	1181586	83.59%	4.622%
3	6.332	6.302	6.366	BV	140381	1297681	91.80%	5.076%
4	6.798	6.762	6.836	BB	117513	1194606	84.51%	4.672%
5	7.430	7.394	7.464	BB	131156	1263797	89.41%	4.943%
6	8.628	8.572	8.684	BB	114544	1202549	85.07%	4.703%
7	10.236	10.191	10.284	BB	113959	1245790	88.13%	4.873%
8	11.680	11.631	11.716	BB	111490	1281391	90.65%	5.012%
9	11.998	11.924	12.037	BB	129270	1413557	100.00%	5.529%
10	12.991	12.922	13.074	BB	103332	1259547	89.10%	4.926%
11	13.436	13.391	13.467	BV	92534	1091501	77.22%	4.269%
12	13.603	13.542	13.639	BB	103865	1243757	87.99%	4.865%
13	14.190	14.129	14.231	BB	101541	1245352	88.10%	4.871%
14	15.294	15.232	15.352	BB	99712	1259091	89.07%	4.925%
15	16.316	16.277	16.357	BB	96330	1238008	87.58%	4.842%
16	17.267	17.201	17.324	BB	87610	1213634	85.86%	4.747%
17	18.156	18.084	18.216	BB	86614	1213628	85.86%	4.747%
18	18.990	18.941	19.057	BB	82374	1153269	81.59%	4.511%
19	19.775	19.721	19.821	BB	68614	1026169	72.59%	4.014%
20	20.516	20.461	20.552	BV	58815	870298	61.57%	3.404%
21	21.278	21.221	21.384	BB	41418	795591	56.28%	3.112%
22	22.232	22.171	22.300	BBA	29595	717887	50.79%	2.808%
Sum of corrected areas:							25567114	

Aliphatic EPH 061325.M Mon Jun 16 03:26:42 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF061325AL\
 Data File : FF015986.D
 Signal(s) : FID2B.ch
 Acq On : 14 Jun 2025 01:21
 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: Jun 16 03:10:10 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 061325.M
 Quant Title : GC Extractables
 QLast Update : Mon Jun 16 03:08:01 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)	11.998	770053	5.073 ug/ml
Spiked Amount 50.000		Recovery =	10.15%
12) S 1-chlorooctadecane (S...	13.435	594434	5.026 ug/ml
Spiked Amount 50.000		Recovery =	10.05%
Target Compounds			
1) T n-Nonane (C9)	3.367	622110	5.022 ug/ml
2) T n-Decane (C10)	4.624	634776	5.021 ug/ml
3) T A~Naphthalene (C11.7)	6.332	698019	5.024 ug/ml
4) T n-Dodecane (C12)	6.797	641606	5.023 ug/ml
5) T A~2-methylnaphthalene...	7.429	678409	5.016 ug/ml
6) T n-Tetradecane (C14)	8.627	648001	5.065 ug/ml
7) T n-Hexadecane (C16)	10.235	670938	5.030 ug/ml
8) T n-Octadecane (C18)	11.680	694878	5.063 ug/ml
10) T n-Eicosane (C20)	12.990	685983	5.077 ug/ml
11) T n-Heneicosane (C21)	13.603	678132	5.052 ug/ml
13) T n-Docosane (C22)	14.191	680147	5.030 ug/ml
14) T n-Tetracosane (C24)	15.294	692103	5.033 ug/ml
15) T n-Hexacosane (C26)	16.316	682524	5.024 ug/ml
16) T n-Octacosane (C28)	17.268	674936	5.059 ug/ml
17) T n-Tricontane (C30)	18.156	676279	5.062 ug/ml
18) T n-Dotriacontane (C32)	18.991	650443	5.170 ug/ml
19) T n-Tetratriacontane (C34)	19.776	572092	5.082 ug/ml
20) T n-Hexatriacontane (C36)	20.516	491048	5.130 ug/ml
21) T n-Octatriacontane (C38)	21.277	431261	5.021 ug/ml
22) T n-Tetracontane (C40)	22.232	382037	4.819 ug/ml

(f)=RT Delta > 1/2 Window

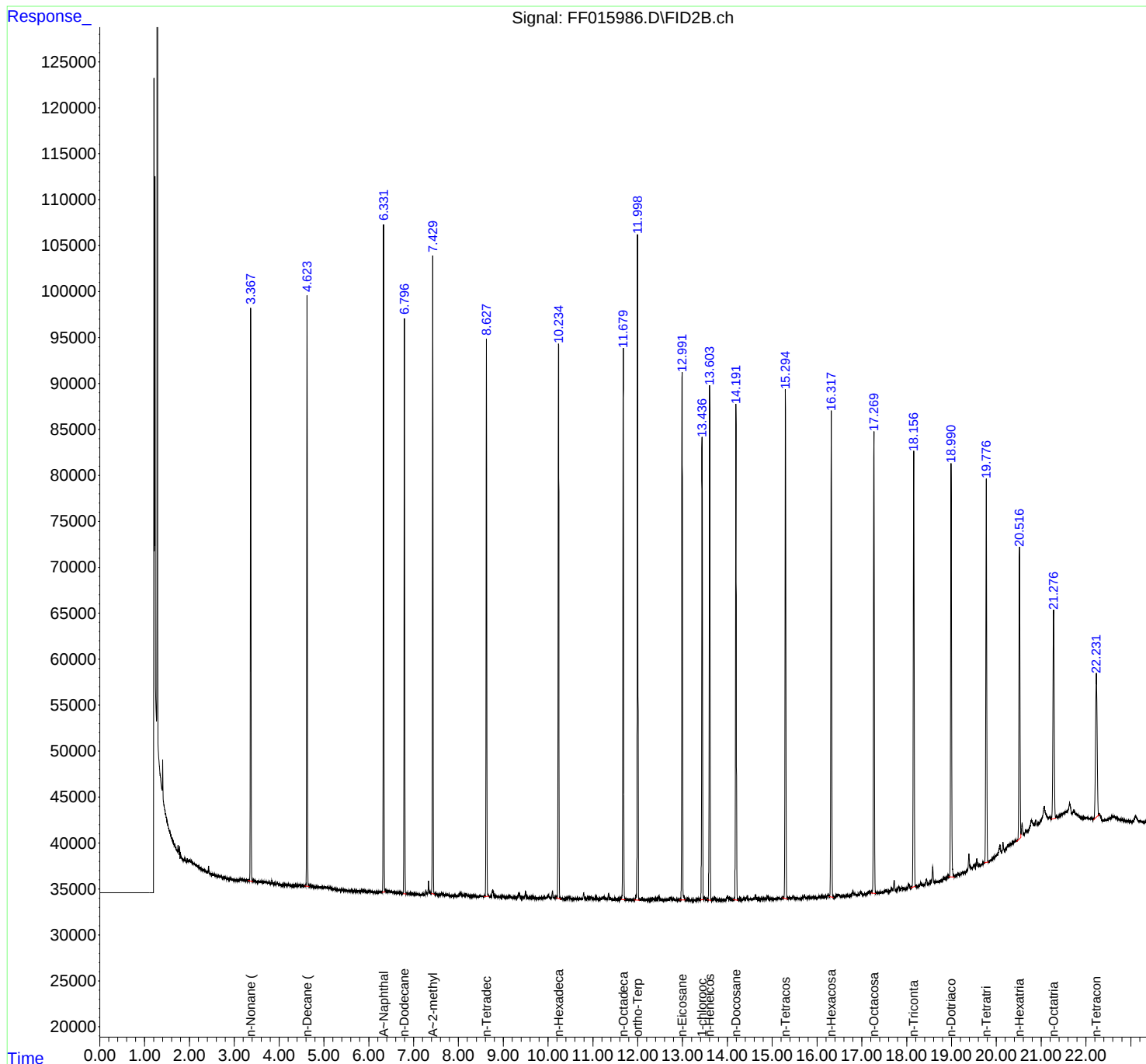
(m)=manual int.

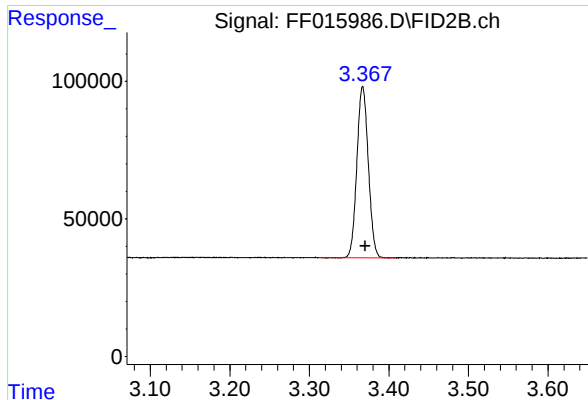
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF061325AL\
Data File : FF015986.D
Signal(s) : FID2B.ch
Acq On : 14 Jun 2025 01:21
Operator : YP\AJ
Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
5 PPM ALIPHATIC HC STD5

Integration File: autoint1.e
Quant Time: Jun 16 03:10:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 061325.M
Quant Title : GC Extractables
QLast Update : Mon Jun 16 03:08:01 2025
Response via : Initial Calibration
Integrator: ChemStation

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

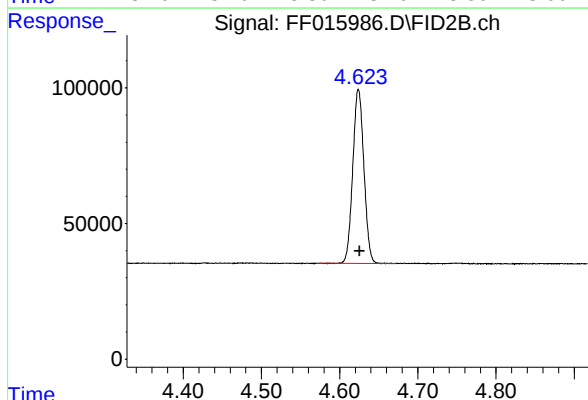




#1 n-Nonane (C9)

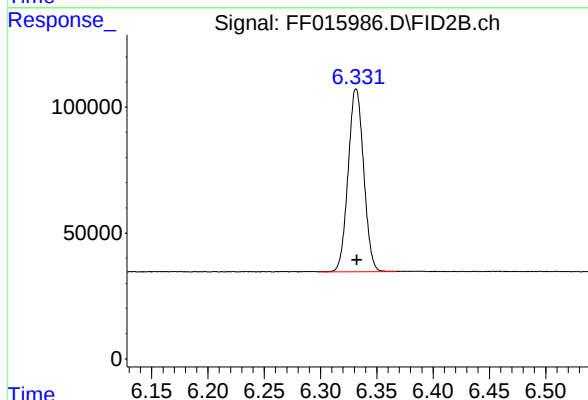
R.T.: 3.367 min
Delta R.T.: -0.003 min
Response: 622110
Conc: 5.02 ug/ml

Instrument :
FID_F
ClientSampleId :
5 PPM ALIPHATIC HC STD5



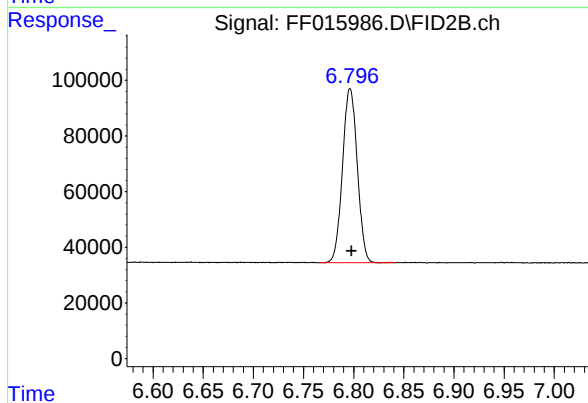
#2 n-Decane (C10)

R.T.: 4.624 min
Delta R.T.: -0.001 min
Response: 634776
Conc: 5.02 ug/ml



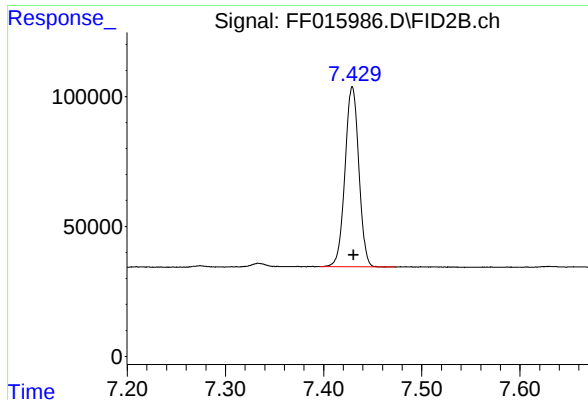
#3 A~Naphthalene (C11.7)

R.T.: 6.332 min
Delta R.T.: 0.000 min
Response: 698019
Conc: 5.02 ug/ml



#4 n-Dodecane (C12)

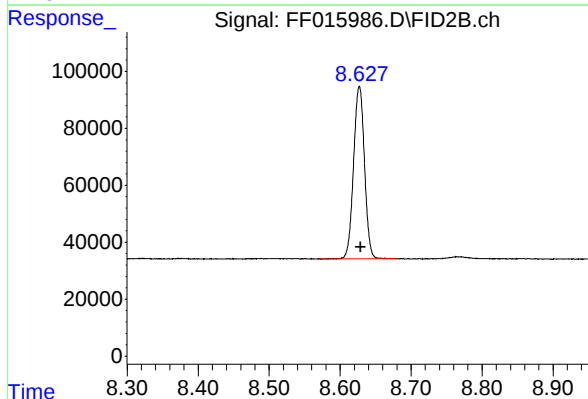
R.T.: 6.797 min
Delta R.T.: -0.001 min
Response: 641606
Conc: 5.02 ug/ml



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

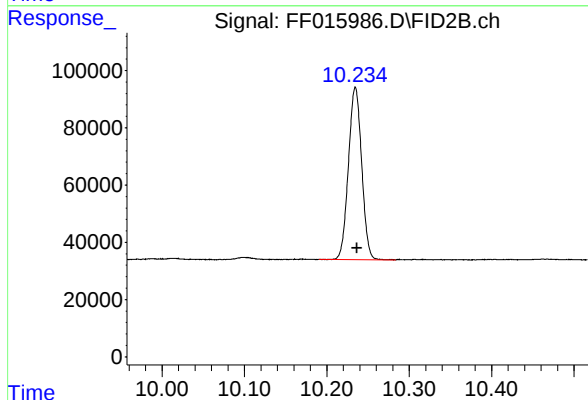
R.T.: 7.429 min
Delta R.T.: -0.001 min
Response: 678409
Conc: 5.02 ug/ml

Instrument :
FID_F
ClientSampleId :
5 PPM ALIPHATIC HC STD5



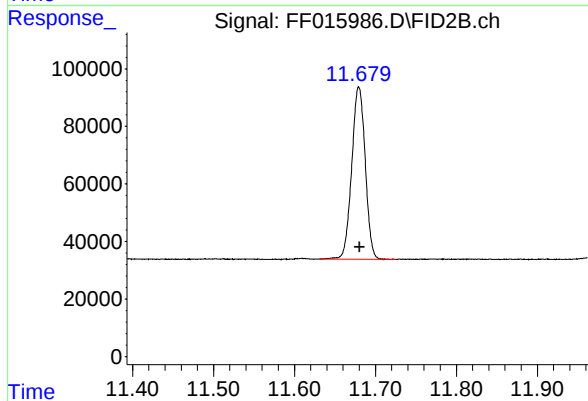
#6 n-Tetradecane (C14)

R.T.: 8.627 min
Delta R.T.: -0.002 min
Response: 648001
Conc: 5.06 ug/ml



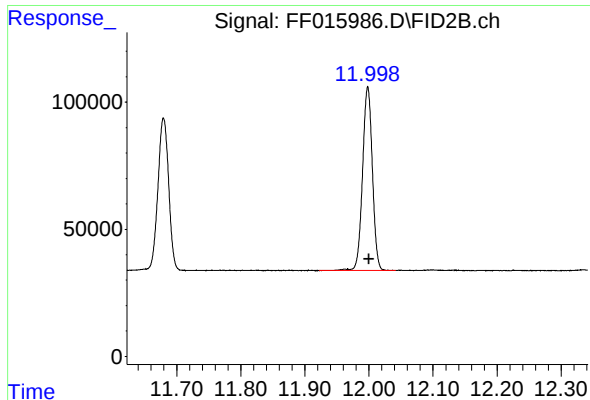
#7 n-Hexadecane (C16)

R.T.: 10.235 min
Delta R.T.: -0.002 min
Response: 670938
Conc: 5.03 ug/ml



#8 n-Octadecane (C18)

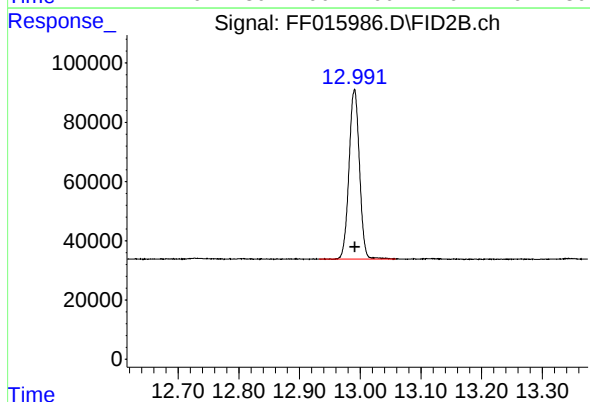
R.T.: 11.680 min
Delta R.T.: -0.001 min
Response: 694878
Conc: 5.06 ug/ml



#9 ortho-Terphenyl (SURR)

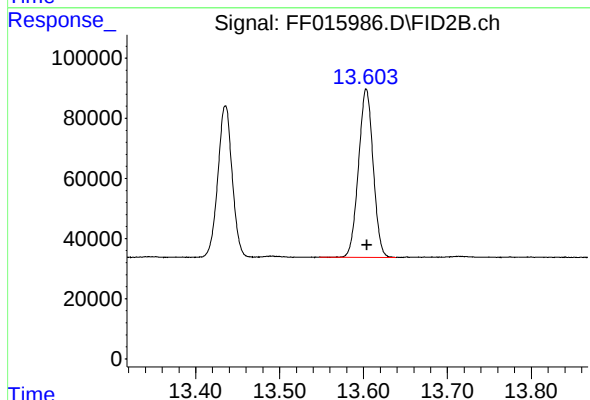
R.T.: 11.998 min
Delta R.T.: -0.002 min
Response: 770053
Conc: 5.07 ug/ml

Instrument :
FID_F
ClientSampleId :
5 PPM ALIPHATIC HC STD5



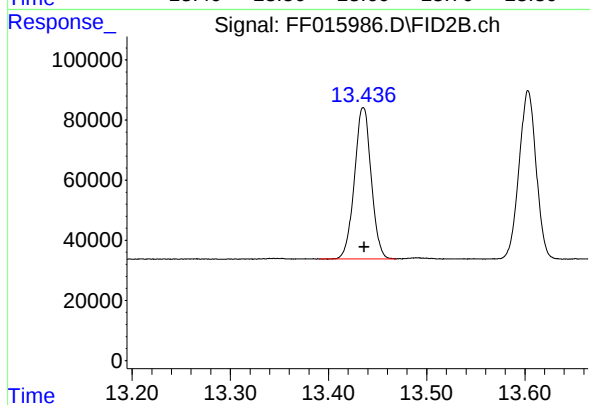
#10 n-Eicosane (C20)

R.T.: 12.990 min
Delta R.T.: 0.000 min
Response: 685983
Conc: 5.08 ug/ml



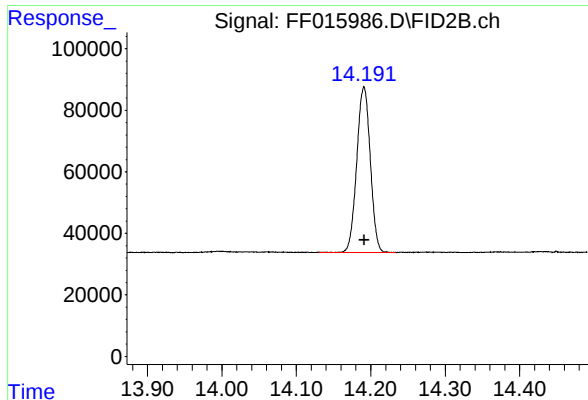
#11 n-Heneicosane (C21)

R.T.: 13.603 min
Delta R.T.: 0.000 min
Response: 678132
Conc: 5.05 ug/ml



#12 1-chlorooctadecane (SURR)

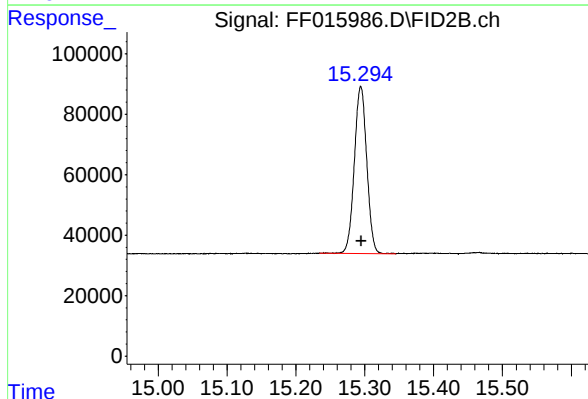
R.T.: 13.435 min
Delta R.T.: -0.001 min
Response: 594434
Conc: 5.03 ug/ml



#13 n-Docosane (C22)

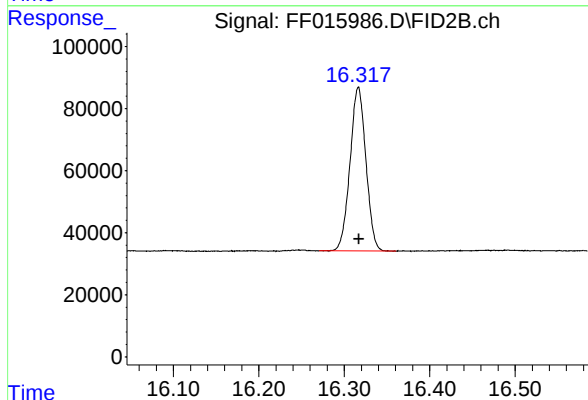
R.T.: 14.191 min
Delta R.T.: 0.000 min
Response: 680147
Conc: 5.03 ug/ml

Instrument :
FID_F
ClientSampleId :
5 PPM ALIPHATIC HC STD5



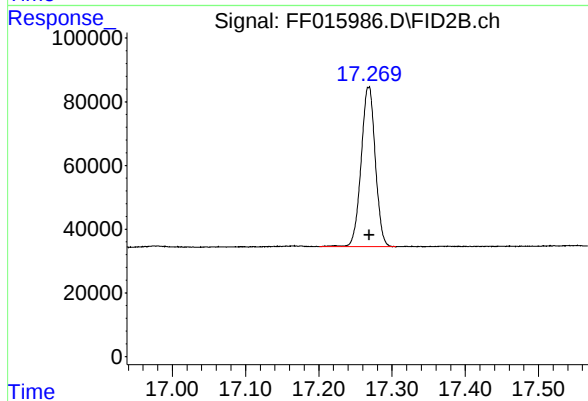
#14 n-Tetracosane (C24)

R.T.: 15.294 min
Delta R.T.: 0.000 min
Response: 692103
Conc: 5.03 ug/ml



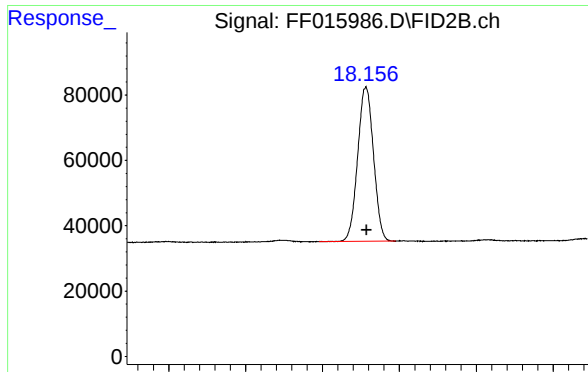
#15 n-Hexacosane (C26)

R.T.: 16.316 min
Delta R.T.: 0.000 min
Response: 682524
Conc: 5.02 ug/ml



#16 n-Octacosane (C28)

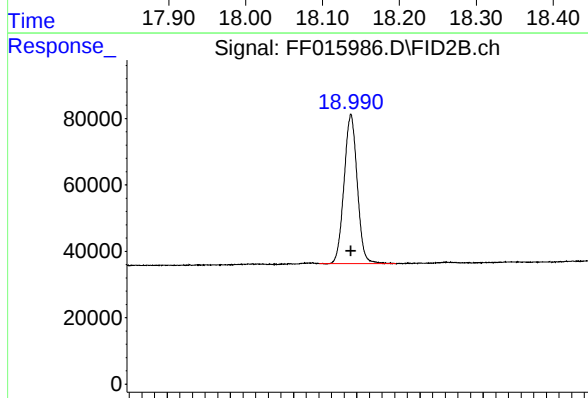
R.T.: 17.268 min
Delta R.T.: -0.001 min
Response: 674936
Conc: 5.06 ug/ml



#17 n-Tricontane (C30)

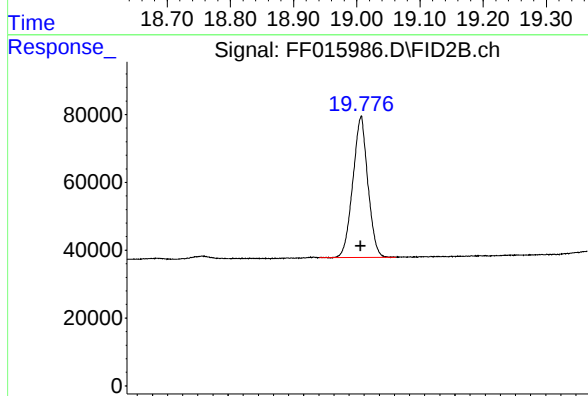
R.T.: 18.156 min
Delta R.T.: -0.001 min
Response: 676279
Conc: 5.06 ug/ml

Instrument :
FID_F
ClientSampleId :
5 PPM ALIPHATIC HC STD5



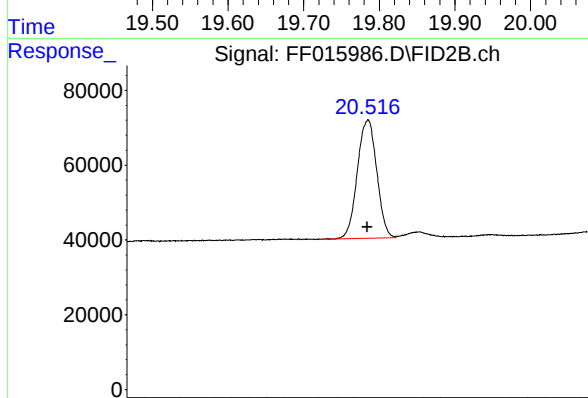
#18 n-Dotriacontane (C32)

R.T.: 18.991 min
Delta R.T.: 0.000 min
Response: 650443
Conc: 5.17 ug/ml



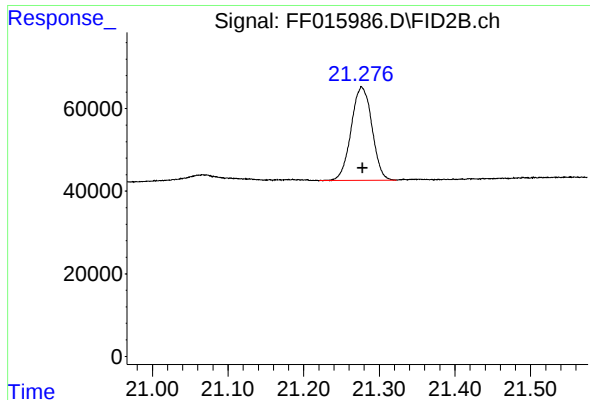
#19 n-Tetatriacontane (C34)

R.T.: 19.776 min
Delta R.T.: 0.000 min
Response: 572092
Conc: 5.08 ug/ml



#20 n-Hexatriacontane (C36)

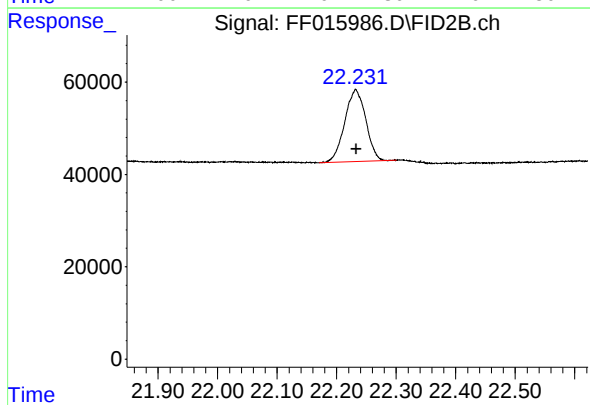
R.T.: 20.516 min
Delta R.T.: 0.000 min
Response: 491048
Conc: 5.13 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.277 min
Delta R.T.: -0.001 min
Response: 431261
Conc: 5.02 ug/ml

Instrument :
FID_F
ClientSampleId :
5 PPM ALIPHATIC HC STD5



#22 n-Tetracontane (C40)

R.T.: 22.232 min
Delta R.T.: 0.000 min
Response: 382037
Conc: 4.82 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF061325AL\
 Data File : FF015986.D
 Signal(s) : FID2B.ch
 Acq On : 14 Jun 2025 01:21
 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 061325.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	3.367	3.312	3.409	BB	62286	622110	80.79%	4.460%
2	4.624	4.574	4.672	BB	64264	634776	82.43%	4.550%
3	6.332	6.299	6.367	BB	72537	698019	90.65%	5.004%
4	6.797	6.765	6.842	BB	62554	641606	83.32%	4.599%
5	7.429	7.395	7.474	BB	69386	678409	88.10%	4.863%
6	8.627	8.570	8.679	BB	60619	648001	84.15%	4.645%
7	10.235	10.190	10.284	BB	60274	670938	87.13%	4.810%
8	11.680	11.630	11.725	BB	60018	694878	90.24%	4.981%
9	11.998	11.922	12.042	BB	72446	770053	100.00%	5.520%
10	12.990	12.932	13.059	BB	57185	685983	89.08%	4.917%
11	13.435	13.390	13.469	BV	50369	594434	77.19%	4.261%
12	13.603	13.547	13.639	BB	55984	678132	88.06%	4.861%
13	14.191	14.130	14.234	BB	53790	680147	88.32%	4.876%
14	15.294	15.234	15.345	BB	55317	692103	89.88%	4.961%
15	16.316	16.270	16.360	BB	53059	682524	88.63%	4.893%
16	17.268	17.200	17.305	BB	50120	674936	87.65%	4.838%
17	18.156	18.095	18.195	BB	47361	676279	87.82%	4.848%
18	18.991	18.940	19.062	BB	45071	650443	84.47%	4.663%
19	19.776	19.720	19.822	BB	41405	572092	74.29%	4.101%
20	20.516	20.460	20.549	BV	31518	491048	63.77%	3.520%
21	21.277	21.220	21.322	BB	22584	431261	56.00%	3.091%
22	22.232	22.170	22.300	BBA	15635	382037	49.61%	2.739%
Sum of corrected areas:							13950210	

Aliphatic EPH 061325.M Mon Jun 16 03:27:09 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF061325AL\
 Data File : FF015987.D
 Signal(s) : FID2B.ch
 Acq On : 14 Jun 2025 01:50
 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: Jun 16 03:16:40 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 061325.M
 Quant Title : GC Extractables
 QLast Update : Mon Jun 16 03:08:01 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)	12.000	2777846	19.284 ug/ml
Spiked Amount 50.000		Recovery =	38.57%
12) S 1-chlorooctadecane (S...	13.436	2151838	19.192 ug/ml
Spiked Amount 50.000		Recovery =	38.38%
Target Compounds			
1) T n-Nonane (C9)	3.367	2271893	19.374 ug/ml
2) T n-Decane (C10)	4.625	2317755	19.366 ug/ml
3) T A~Naphthalene (C11.7)	6.332	2551175	19.398 ug/ml
4) T n-Dodecane (C12)	6.798	2345650	19.376 ug/ml
5) T A~2-methylnaphthalene...	7.430	2485957	19.402 ug/ml
6) T n-Tetradecane (C14)	8.629	2352663	19.346 ug/ml
7) T n-Hexadecane (C16)	10.237	2448761	19.350 ug/ml
8) T n-Octadecane (C18)	11.681	2514230	19.279 ug/ml
10) T n-Eicosane (C20)	12.992	2467435	19.212 ug/ml
11) T n-Heneicosane (C21)	13.604	2445147	19.199 ug/ml
13) T n-Docosane (C22)	14.191	2452175	19.167 ug/ml
14) T n-Tetracosane (C24)	15.295	2477541	19.096 ug/ml
15) T n-Hexacosane (C26)	16.318	2444570	19.058 ug/ml
16) T n-Octacosane (C28)	17.269	2385581	19.019 ug/ml
17) T n-Tricontane (C30)	18.158	2373468	18.975 ug/ml
18) T n-Dotriacontane (C32)	18.991	2228908	18.853 ug/ml
19) T n-Tetratriacontane (C34)	19.776	2006310	19.038 ug/ml
20) T n-Hexatriacontane (C36)	20.517	1722287	19.138 ug/ml
21) T n-Octatriacontane (C38)	21.278	1555625	19.249 ug/ml
22) T n-Tetracontane (C40)	22.232	1444637	19.535 ug/ml

(f)=RT Delta > 1/2 Window

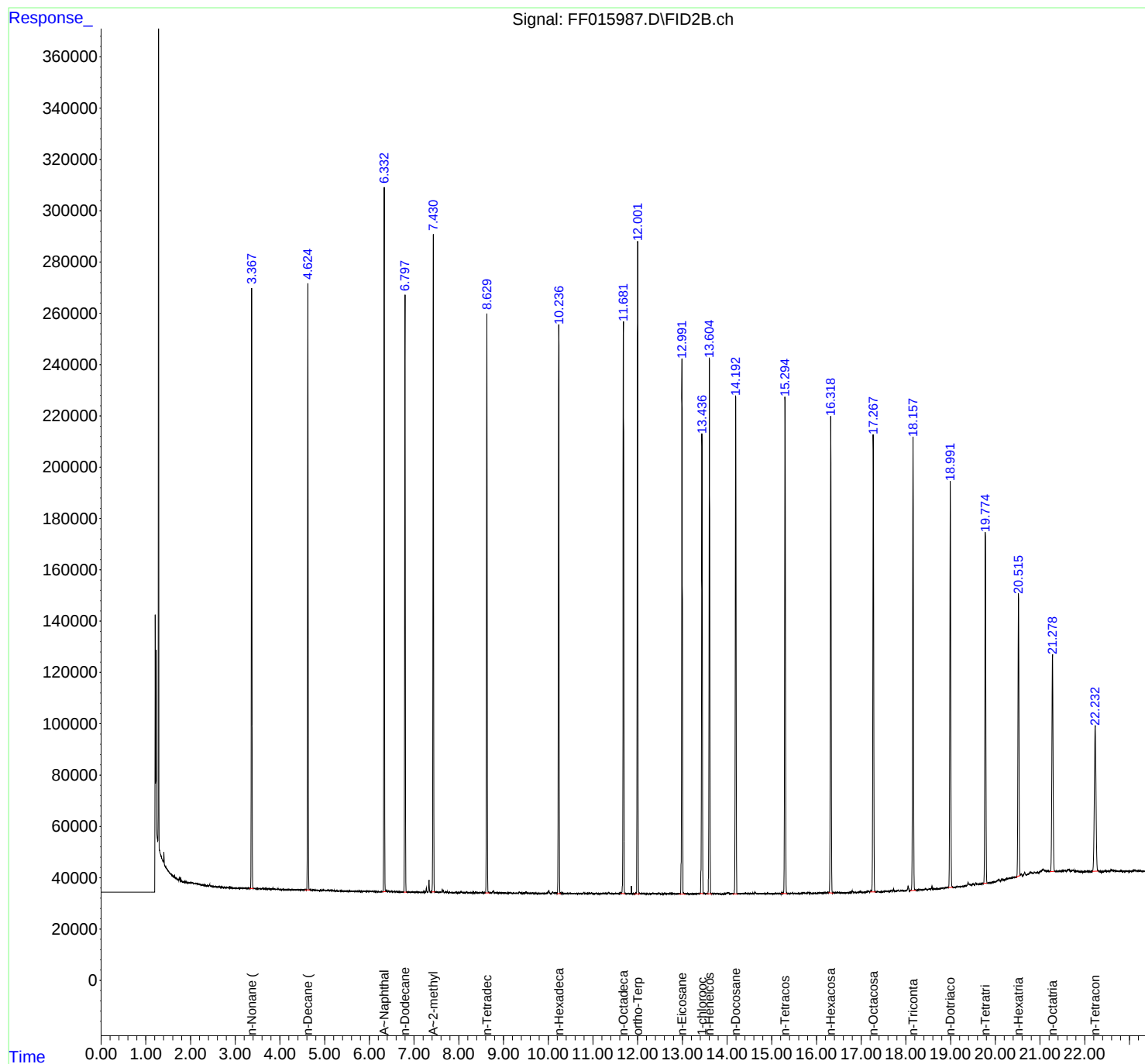
(m)=manual int.

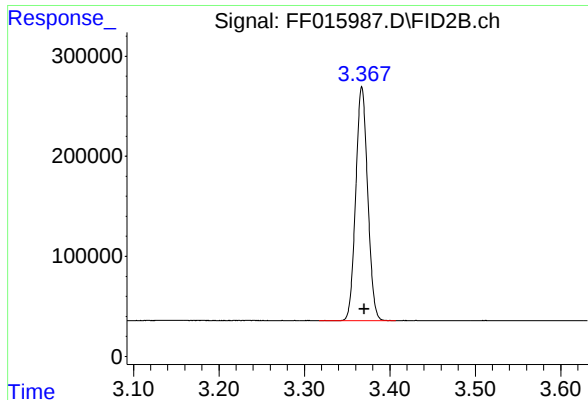
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF061325AL\
Data File : FF015987.D
Signal(s) : FID2B.ch
Acq On : 14 Jun 2025 01:50
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD ICV
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV

Integration File: autoint1.e
Quant Time: Jun 16 03:16:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 061325.M
Quant Title : GC Extractables
QLast Update : Mon Jun 16 03:08:01 2025
Response via : Initial Calibration
Integrator: ChemStation

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

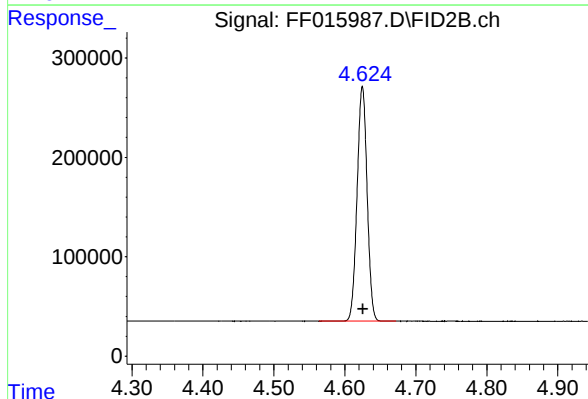




#1 n-Nonane (C9)

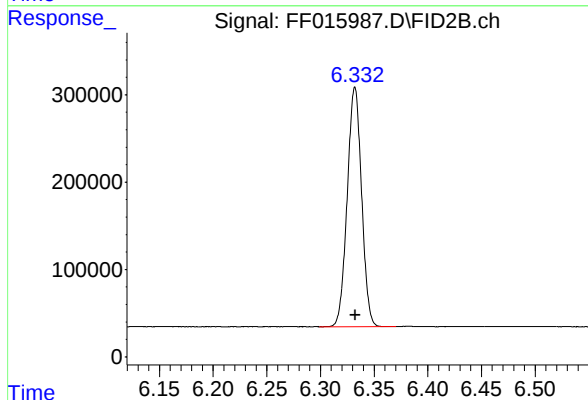
R.T.: 3.367 min
Delta R.T.: -0.003 min
Response: 2271893
Conc: 19.37 ug/ml

Instrument :
FID_F
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



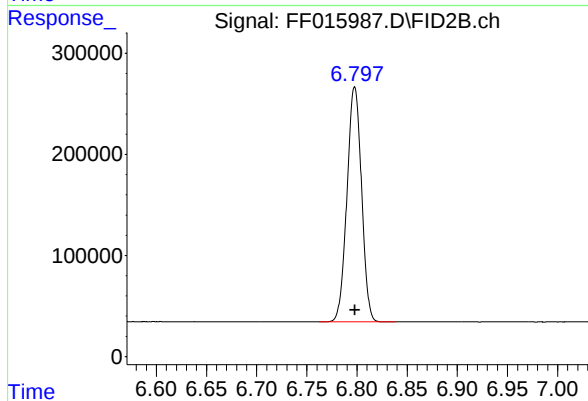
#2 n-Decane (C10)

R.T.: 4.625 min
Delta R.T.: 0.000 min
Response: 2317755
Conc: 19.37 ug/ml



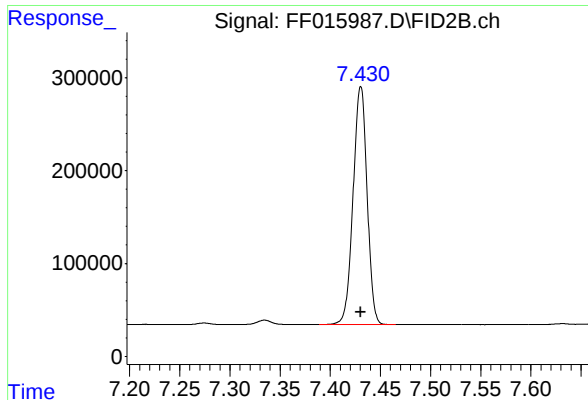
#3 A~Naphthalene (C11.7)

R.T.: 6.332 min
Delta R.T.: 0.000 min
Response: 2551175
Conc: 19.40 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.798 min
Delta R.T.: 0.000 min
Response: 2345650
Conc: 19.38 ug/ml



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

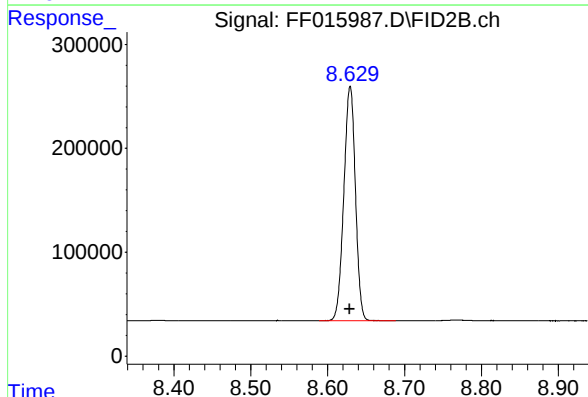
R.T.: 7.430 min
Delta R.T.: 0.000 min
Response: 2485957
Conc: 19.40 ug/ml

Instrument :

FID_F

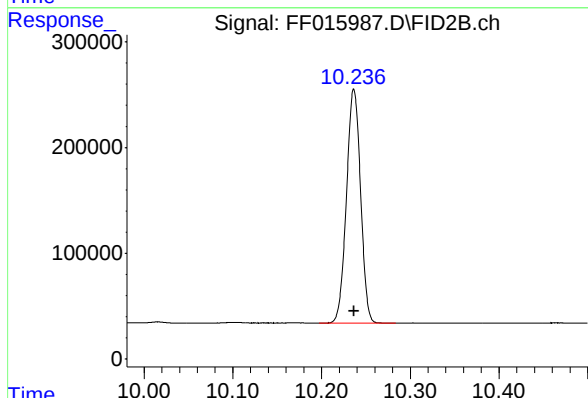
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



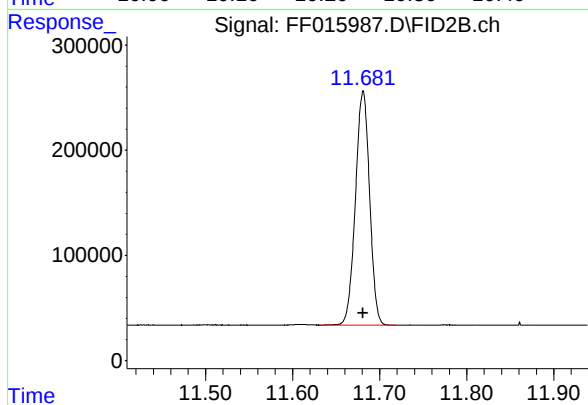
#6 n-Tetradecane (C14)

R.T.: 8.629 min
Delta R.T.: 0.000 min
Response: 2352663
Conc: 19.35 ug/ml



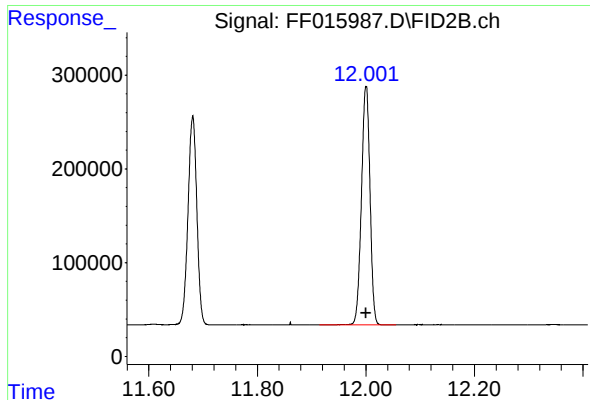
#7 n-Hexadecane (C16)

R.T.: 10.237 min
Delta R.T.: 0.000 min
Response: 2448761
Conc: 19.35 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.681 min
Delta R.T.: 0.000 min
Response: 2514230
Conc: 19.28 ug/ml



#9 ortho-Terphenyl (SURR)

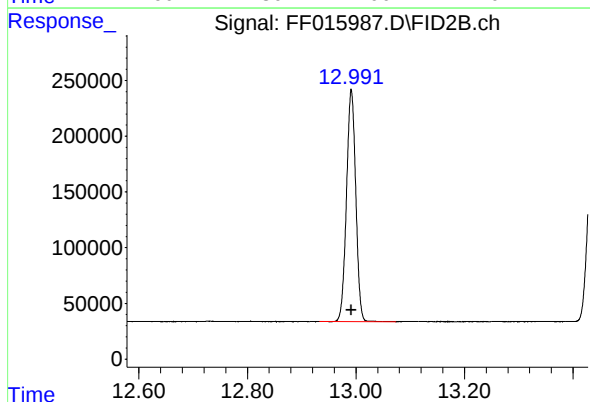
R.T.: 12.000 min
Delta R.T.: 0.000 min
Response: 2777846
Conc: 19.28 ug/ml

Instrument :

FID_F

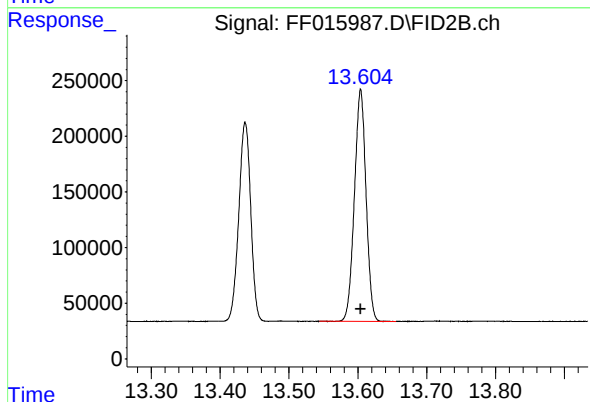
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



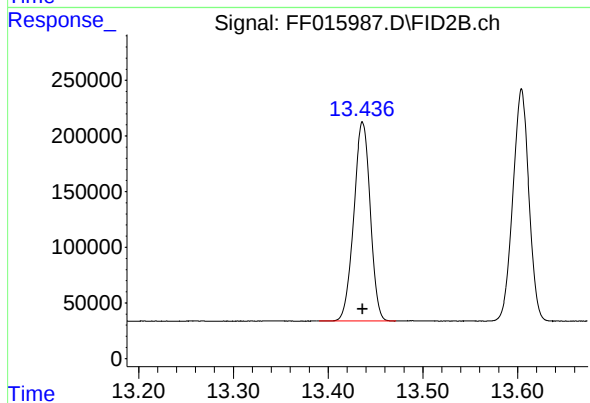
#10 n-Eicosane (C20)

R.T.: 12.992 min
Delta R.T.: 0.000 min
Response: 2467435
Conc: 19.21 ug/ml



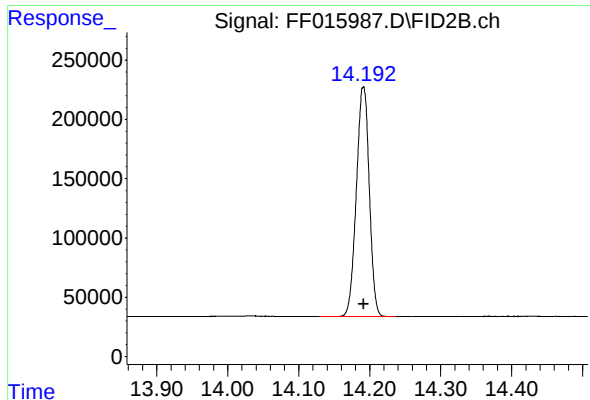
#11 n-Heneicosane (C21)

R.T.: 13.604 min
Delta R.T.: 0.000 min
Response: 2445147
Conc: 19.20 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.436 min
Delta R.T.: 0.000 min
Response: 2151838
Conc: 19.19 ug/ml



#13 n-Docosane (C22)

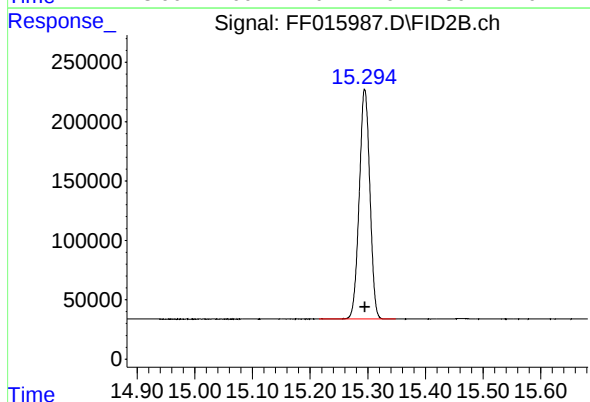
R.T.: 14.191 min
Delta R.T.: 0.000 min
Response: 2452175
Conc: 19.17 ug/ml

Instrument :

FID_F

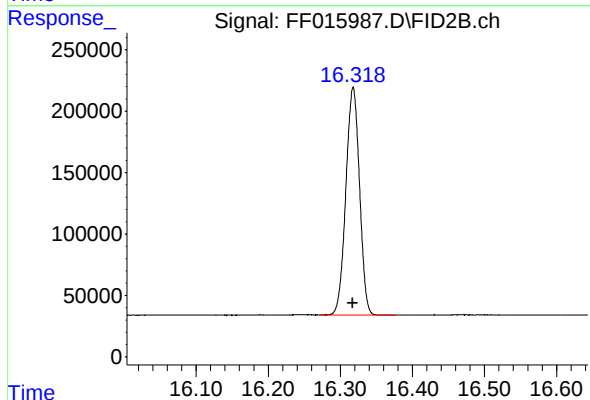
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



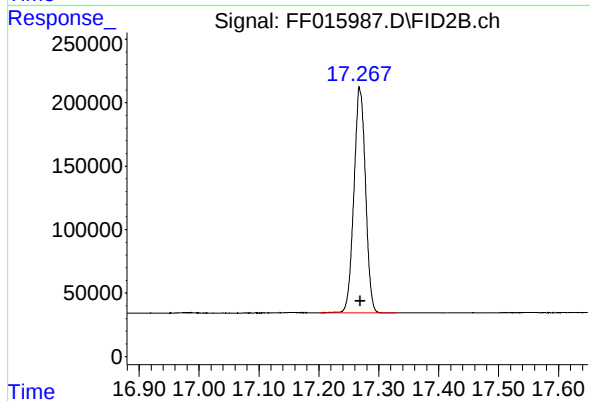
#14 n-Tetracosane (C24)

R.T.: 15.295 min
Delta R.T.: 0.000 min
Response: 2477541
Conc: 19.10 ug/ml



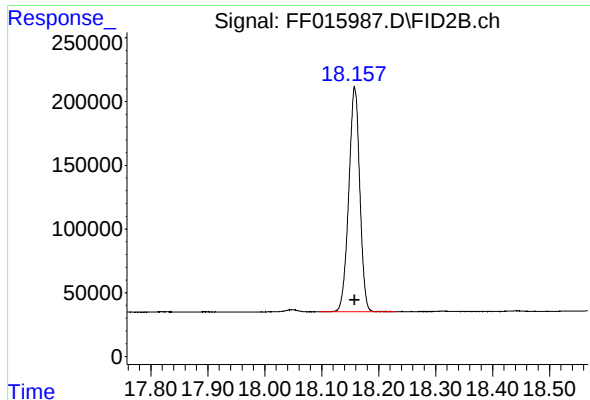
#15 n-Hexacosane (C26)

R.T.: 16.318 min
Delta R.T.: 0.000 min
Response: 2444570
Conc: 19.06 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.269 min
Delta R.T.: 0.000 min
Response: 2385581
Conc: 19.02 ug/ml



#17 n-Tricontane (C30)

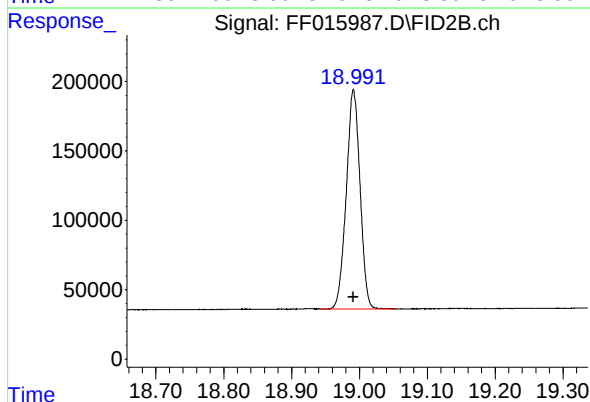
R.T.: 18.158 min
Delta R.T.: 0.000 min
Response: 2373468
Conc: 18.98 ug/ml

Instrument :

FID_F

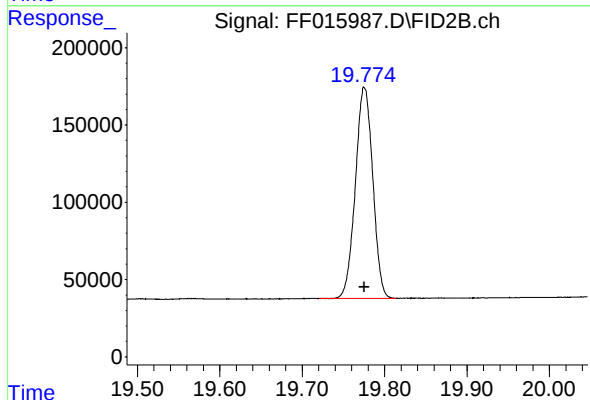
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



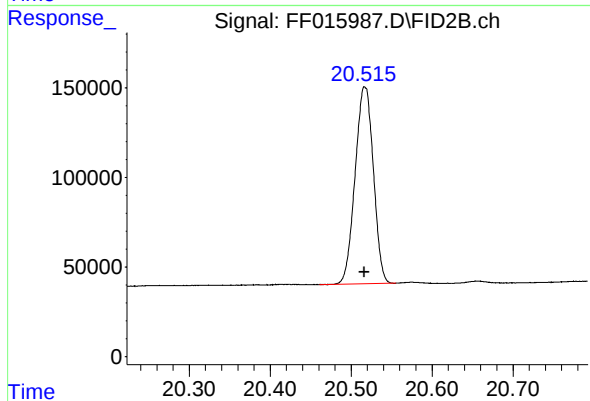
#18 n-Dotriacontane (C32)

R.T.: 18.991 min
Delta R.T.: 0.000 min
Response: 2228908
Conc: 18.85 ug/ml



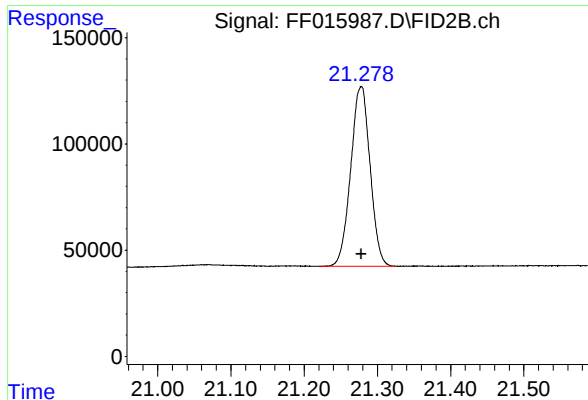
#19 n-Tetatriacontane (C34)

R.T.: 19.776 min
Delta R.T.: 0.000 min
Response: 2006310
Conc: 19.04 ug/ml



#20 n-Hexatriacontane (C36)

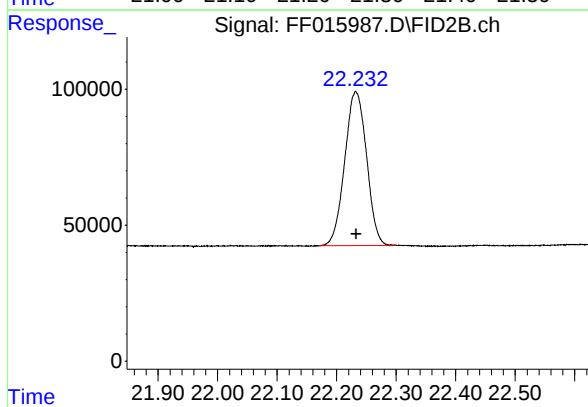
R.T.: 20.517 min
Delta R.T.: 0.000 min
Response: 1722287
Conc: 19.14 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.278 min
Delta R.T.: 0.000 min
Response: 1555625
Conc: 19.25 ug/ml

Instrument :
FID_F
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



#22 n-Tetracontane (C40)

R.T.: 22.232 min
Delta R.T.: 0.000 min
Response: 1444637
Conc: 19.54 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF061325AL\
 Data File : FF015987.D
 Signal(s) : FID2B.ch
 Acq On : 14 Jun 2025 01:50
 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 061325.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	3.367	3.317	3.407	BB	233903	2271893	81.79%	4.524%
2	4.625	4.564	4.672	BB	236485	2317755	83.44%	4.615%
3	6.332	6.299	6.370	BV	274750	2551175	91.84%	5.080%
4	6.798	6.762	6.839	BB	232637	2345650	84.44%	4.671%
5	7.430	7.389	7.465	BB	256630	2485957	89.49%	4.950%
6	8.629	8.589	8.689	BB	225507	2352663	84.69%	4.685%
7	10.237	10.197	10.284	BB	220750	2448761	88.15%	4.876%
8	11.681	11.630	11.719	BB	221973	2514230	90.51%	5.006%
9	12.000	11.914	12.055	BB	254762	2777846	100.00%	5.531%
10	12.992	12.932	13.074	BB	207396	2467435	88.83%	4.913%
11	13.436	13.390	13.472	BV	178398	2151838	77.46%	4.285%
12	13.604	13.544	13.655	BB	208817	2445147	88.02%	4.869%
13	14.191	14.129	14.237	BB	193754	2452175	88.28%	4.883%
14	15.295	15.215	15.349	BB	193069	2477541	89.19%	4.933%
15	16.318	16.270	16.377	BB	185448	2444570	88.00%	4.868%
16	17.269	17.200	17.329	BB	174857	2385581	85.88%	4.750%
17	18.158	18.095	18.230	BB	174504	2373468	85.44%	4.726%
18	18.991	18.940	19.054	BB	157631	2228908	80.24%	4.438%
19	19.776	19.720	19.814	BB	136519	2006310	72.23%	3.995%
20	20.517	20.460	20.555	BV	109748	1722287	62.00%	3.429%
21	21.278	21.220	21.325	BB	84514	1555625	56.00%	3.098%
22	22.232	22.170	22.300	BBA	56735	1444637	52.01%	2.877%
Sum of corrected areas:							50221452	

Aliphatic EPH 061325.M Mon Jun 16 03:27:32 2025