

Initial Calibration Report for SequenceID : FG092425AL

AreaCount

Parameter Range	FG016627.D	FG016628.D	FG016629.D	FG016630.D	FG016631.D	
Aliphatic C9-C12	33215096.000	16952167.000	6786632.000	3543213.000	1838544.000	
Aliphatic C12-C16	23348269.000	11898419.000	4799598.000	2467499.000	1239735.000	
Aliphatic C16-C21	36506026.000	18690177.000	7657783.000	3978902.000	2098486.000	
Aliphatic C21-C28	48050203.000	24832755.000	10228580.000	5285310.000	2798387.000	
Aliphatic C28-C40	55164011.000	28860010.000	12195956.000	6306582.000	3366383.000	
Aliphatic EPH	196283605.000	101233528.000	41668549.000	21581506.000	11341535.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aliphatic C9-C12	115503.733333	4.142				
Aliphatic C12-C16	120612.787	2.52				
Aliphatic C16-C21	129289.3566662	5.554				
Aliphatic C21-C28	128839.7265	5.916				
Aliphatic C28-C40	101419.0969996	7.752				
Aliphatic EPH	116637.6851106	5.659				

Concentration

Parameter Range	FG016627.D	FG016628.D	FG016629.D	FG016630.D	FG016631.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	FG016627.D	FG016628.D	FG016629.D	FG016630.D	FG016631.D	
Aliphatic C9-C12	110716.986666	113014.446666	113110.533333	118107.100000	122569.600000	
Aliphatic C12-C16	116741.345000	118984.190000	119989.950000	123374.950000	123973.500000	
Aliphatic C16-C21	121686.753333	124601.180000	127629.716666	132630.066666	139899.066666	

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Aliphatic C21-C28	120125.507500	124163.775000	127857.250000	132132.750000	139919.350000	
Aliphatic C28-C40	91940.018333	96200.033333	101632.966666	105109.700000	112212.766666	
Aliphatic EPH	109046.447222	112481.697777	115745.969444	119897.255555	126017.055555	

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG092425AL\
 Data File : FG016627.D
 Signal(s) : FID1A.ch
 Acq On : 24 Sep 2025 13:59
 Operator : YP\AJ
 Sample : 100 PPM ALIPHATIC HC STD1
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 100 PPM ALIPHATIC HC STD1

Integration File: autoint1.e
 Quant Time: Sep 24 15:30:50 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 092425.M
 Quant Title : GC Extractables
 QLast Update : Wed Sep 24 15:28:33 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)	12.067	13543350	98.222 ug/ml
Spiked Amount 50.000		Recovery =	196.44%
12) S 1-chlorooctadecane (S...	13.510	10679746	97.914 ug/ml
Spiked Amount 50.000		Recovery =	195.83%
Target Compounds			
1) T n-Nonane (C9)	3.384	10831691	98.804 ug/ml
2) T n-Decane (C10)	4.645	11074745	98.852 ug/ml
3) T A~Naphthalene (C11.7)	6.364	12217150	100.002 ug/ml
4) T n-Dodecane (C12)	6.827	11308660	99.129 ug/ml
5) T A~2-methylnaphthalene...	7.468	11928750	101.040 ug/ml
6) T n-Tetradecane (C14)	8.667	11393903	98.805 ug/ml
7) T n-Hexadecane (C16)	10.287	11954366	98.459 ug/ml
8) T n-Octadecane (C18)	11.742	12330072	97.799 ug/ml
10) T n-Eicosane (C20)	13.060	12125534	97.502 ug/ml
11) T n-Heneicosane (C21)	13.678	12050420	97.545 ug/ml
13) T n-Docosane (C22)	14.267	12089669	97.342 ug/ml
14) T n-Tetracosane (C24)	15.379	12192647	96.995 ug/ml
15) T n-Hexacosane (C26)	16.407	12034734	96.916 ug/ml
16) T n-Octacosane (C28)	17.363	11733153	96.263 ug/ml
17) T n-Tricontane (C30)	18.257	11608655	94.399 ug/ml
18) T n-Dotriacontane (C32)	19.093	10857998	92.722 ug/ml
19) T n-Tetratriacontane (C34)	19.881	9726422	93.535 ug/ml
20) T n-Hexatriacontane (C36)	20.625	8339055	95.487 ug/ml
21) T n-Octatriacontane (C38)	21.406	7536794	97.606 ug/ml
22) T n-Tetracontane (C40)	22.399	7095087	98.397 ug/ml

(f)=RT Delta > 1/2 Window

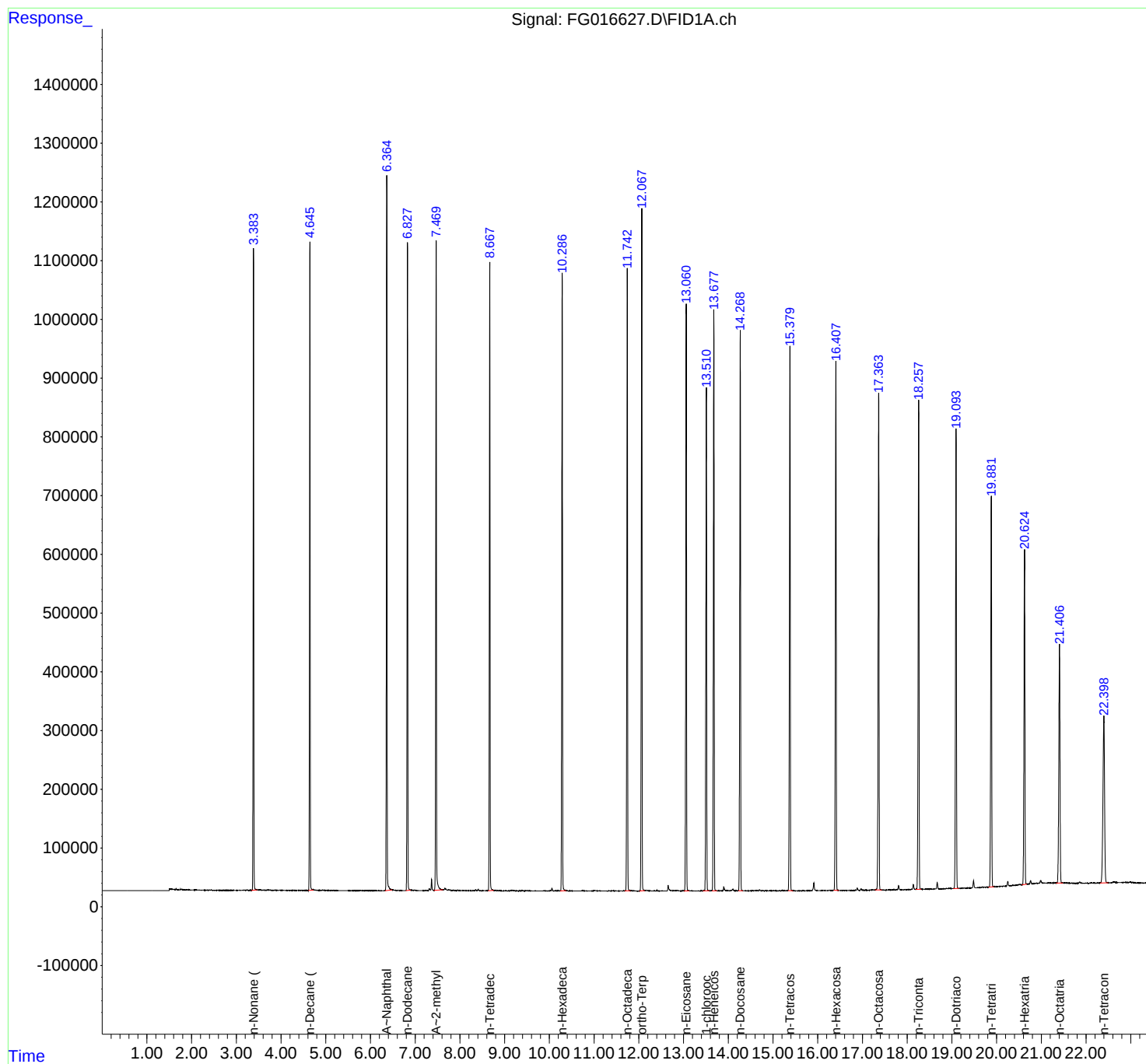
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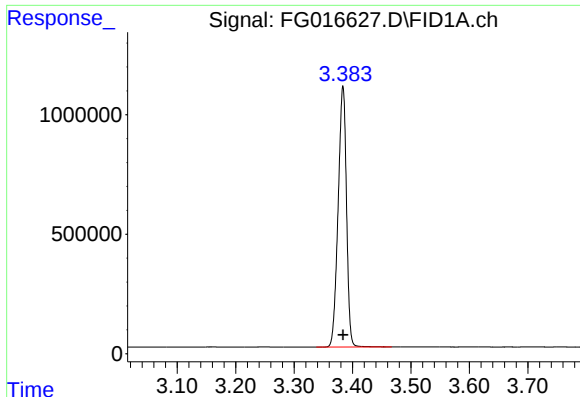
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Data File : FG016627.D
Signal(s) : FID1A.ch
Acq On : 24 Sep 2025 13:59
Operator : YP\AJ
Sample : 100 PPM ALIPHATIC HC STD1
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
100 PPM ALIPHATIC HC STD1

Integration File: autoint1.e
Quant Time: Sep 24 15:30:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 092425.M
Quant Title : GC Extractables
QLast Update : Wed Sep 24 15:28:33 2025
Response via : Initial Calibration
Integrator: ChemStation

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

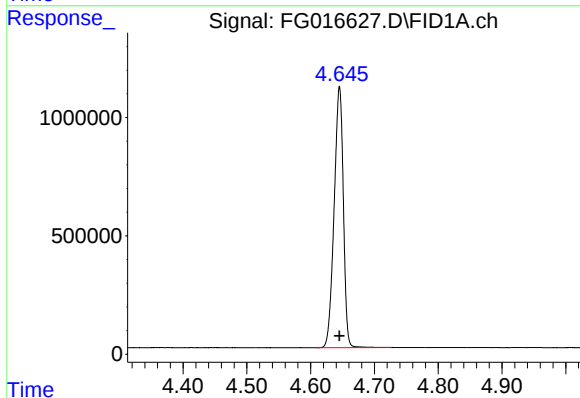




#1 n-Nonane (C9)

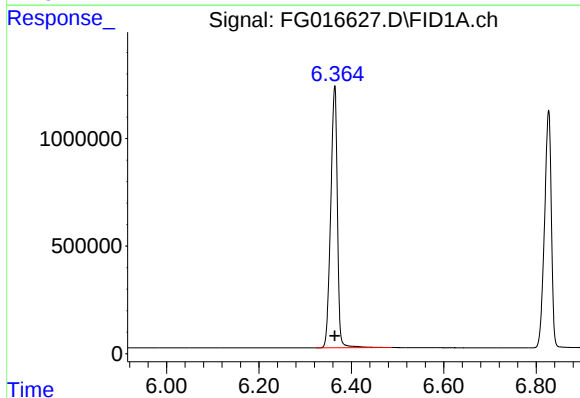
R.T.: 3.384 min
Delta R.T.: 0.000 min
Response: 10831691
Conc: 98.80 ug/ml

Instrument :
FID_G
ClientSampleId :
100 PPM ALIPHATIC HC STD1



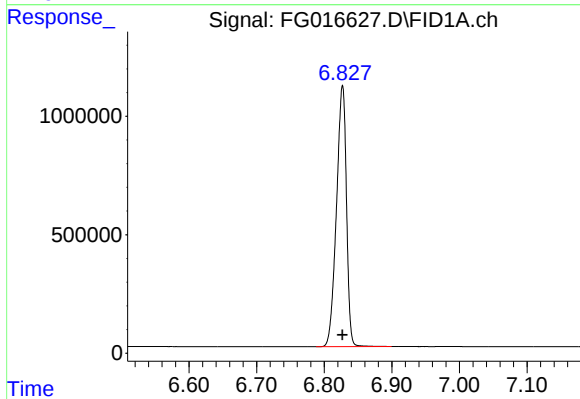
#2 n-Decane (C10)

R.T.: 4.645 min
Delta R.T.: 0.000 min
Response: 11074745
Conc: 98.85 ug/ml



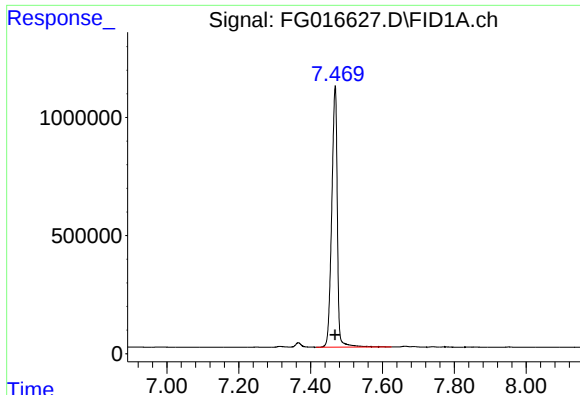
#3 A~Naphthalene (C11.7)

R.T.: 6.364 min
Delta R.T.: 0.000 min
Response: 12217150
Conc: 100.00 ug/ml



#4 n-Dodecane (C12)

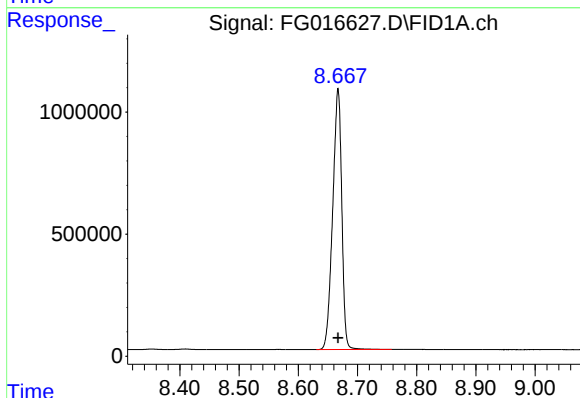
R.T.: 6.827 min
Delta R.T.: 0.000 min
Response: 11308660
Conc: 99.13 ug/ml



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

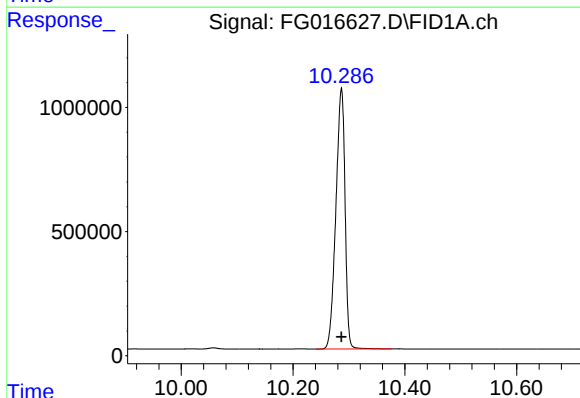
R.T.: 7.468 min
Delta R.T.: 0.000 min
Response: 11928750
Conc: 101.04 ug/ml

Instrument :
FID_G
ClientSampleId :
100 PPM ALIPHATIC HC STD1



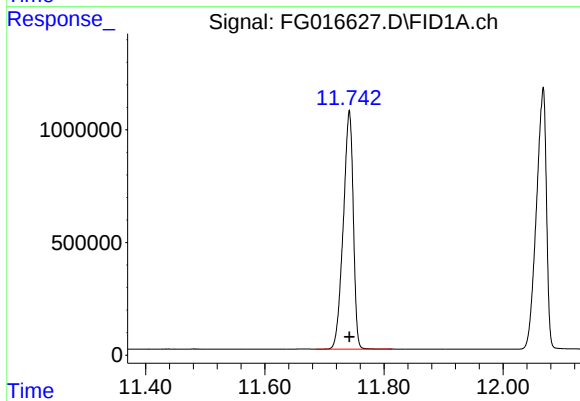
#6 n-Tetradecane (C14)

R.T.: 8.667 min
Delta R.T.: 0.000 min
Response: 11393903
Conc: 98.81 ug/ml



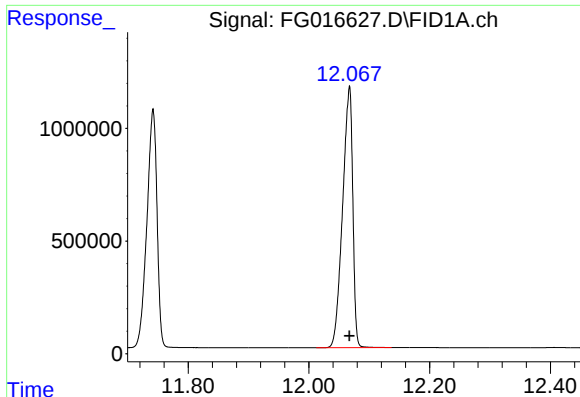
#7 n-Hexadecane (C16)

R.T.: 10.287 min
Delta R.T.: 0.000 min
Response: 11954366
Conc: 98.46 ug/ml



#8 n-Octadecane (C18)

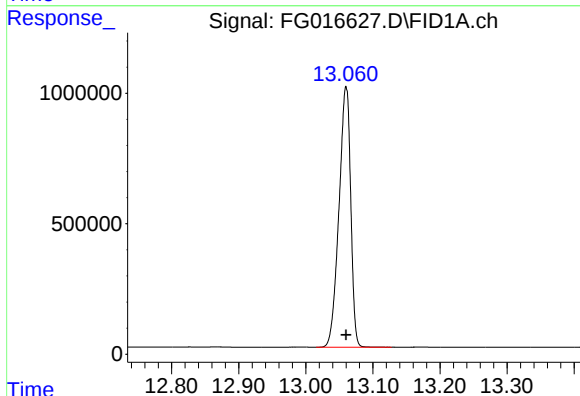
R.T.: 11.742 min
Delta R.T.: 0.000 min
Response: 12330072
Conc: 97.80 ug/ml



#9 ortho-Terphenyl (SURR)

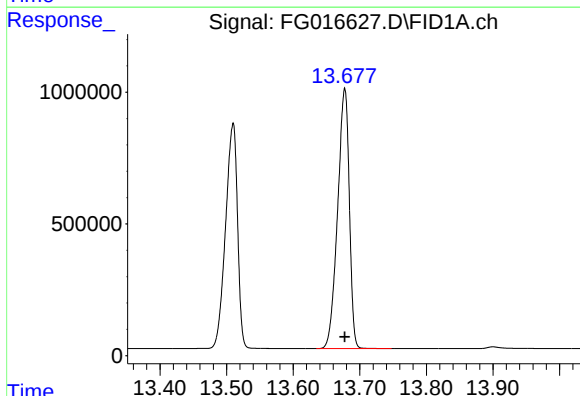
R.T.: 12.067 min
Delta R.T.: 0.000 min
Response: 13543350
Conc: 98.22 ug/ml

Instrument :
FID_G
ClientSampleId :
100 PPM ALIPHATIC HC STD1



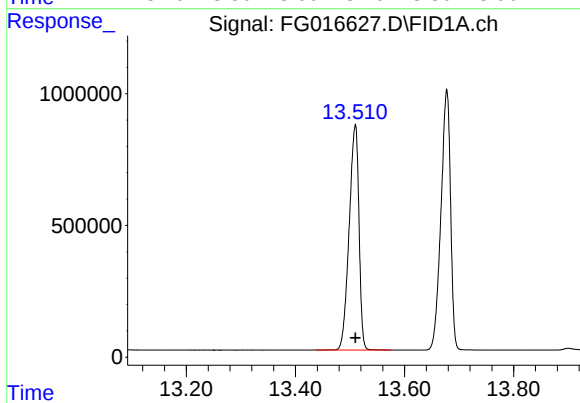
#10 n-Eicosane (C20)

R.T.: 13.060 min
Delta R.T.: 0.000 min
Response: 12125534
Conc: 97.50 ug/ml



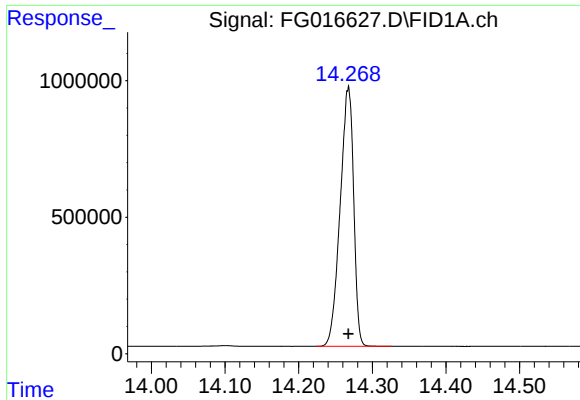
#11 n-Heneicosane (C21)

R.T.: 13.678 min
Delta R.T.: 0.000 min
Response: 12050420
Conc: 97.54 ug/ml



#12 1-chlorooctadecane (SURR)

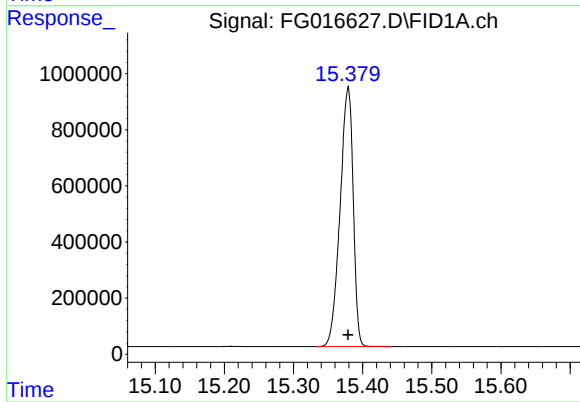
R.T.: 13.510 min
Delta R.T.: 0.000 min
Response: 10679746
Conc: 97.91 ug/ml



#13 n-Docosane (C22)

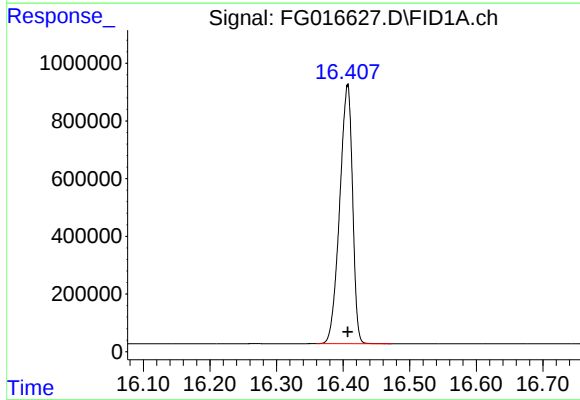
R.T.: 14.267 min
Delta R.T.: 0.000 min
Response: 12089669
Conc: 97.34 ug/ml

Instrument :
FID_G
ClientSampleId :
100 PPM ALIPHATIC HC STD1



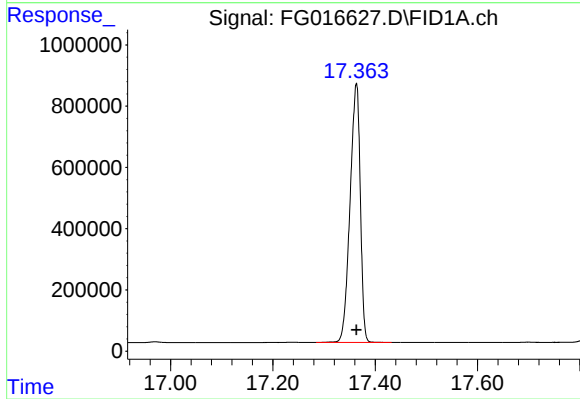
#14 n-Tetracosane (C24)

R.T.: 15.379 min
Delta R.T.: 0.000 min
Response: 12192647
Conc: 96.99 ug/ml



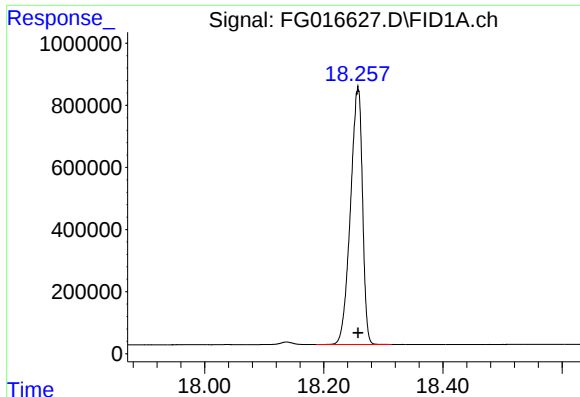
#15 n-Hexacosane (C26)

R.T.: 16.407 min
Delta R.T.: 0.000 min
Response: 12034734
Conc: 96.92 ug/ml



#16 n-Octacosane (C28)

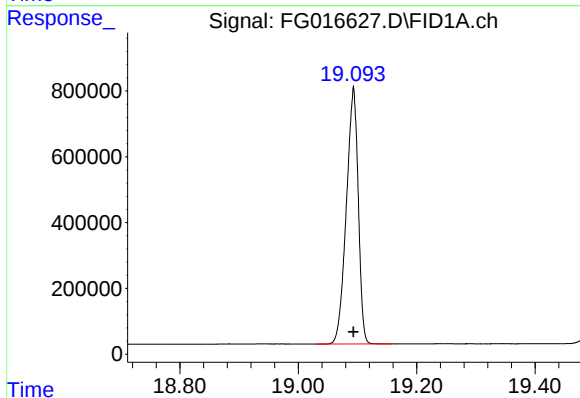
R.T.: 17.363 min
Delta R.T.: 0.000 min
Response: 11733153
Conc: 96.26 ug/ml



#17 n-Tricontane (C30)

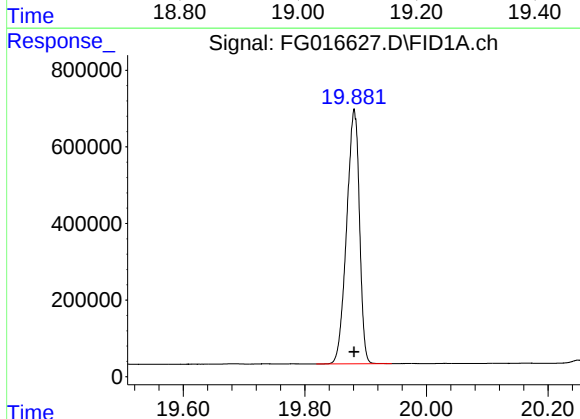
R.T.: 18.257 min
Delta R.T.: 0.000 min
Response: 11608655
Conc: 94.40 ug/ml

Instrument :
FID_G
ClientSampleId :
100 PPM ALIPHATIC HC STD1



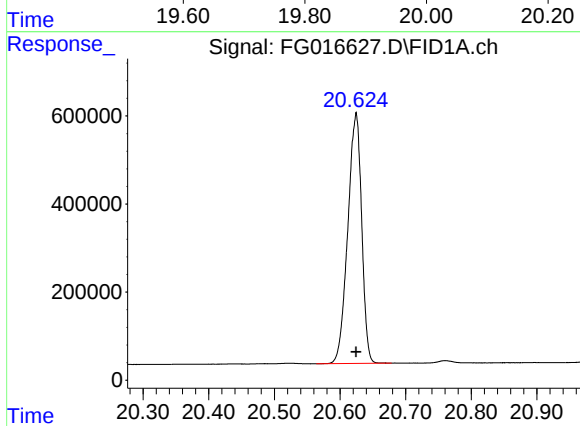
#18 n-Dotriacontane (C32)

R.T.: 19.093 min
Delta R.T.: 0.000 min
Response: 10857998
Conc: 92.72 ug/ml



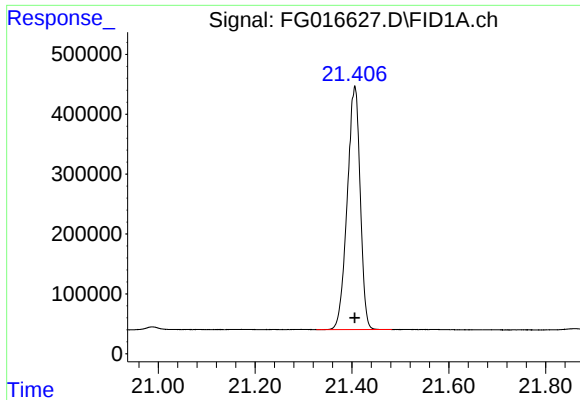
#19 n-Tetratriacontane (C34)

R.T.: 19.881 min
Delta R.T.: 0.000 min
Response: 9726422
Conc: 93.53 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.625 min
Delta R.T.: 0.000 min
Response: 8339055
Conc: 95.49 ug/ml



#21 n-Octatriacontane (C38)

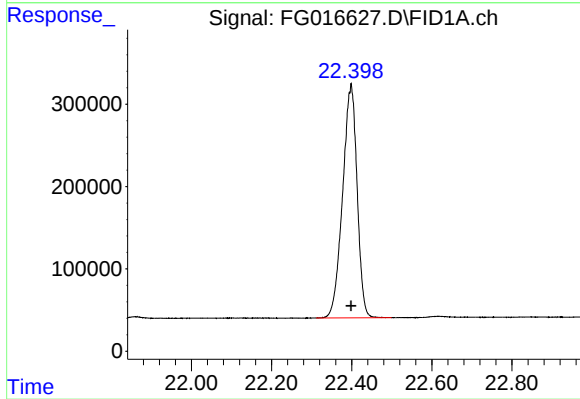
R.T.: 21.406 min
Delta R.T.: 0.000 min
Response: 7536794
Conc: 97.61 ug/ml

Instrument :

FID_G

ClientSampleId :

100 PPM ALIPHATIC HC STD1



#22 n-Tetracontane (C40)

R.T.: 22.399 min
Delta R.T.: 0.000 min
Response: 7095087
Conc: 98.40 ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG092425AL\
 Data File : FG016627.D
 Signal(s) : FID1A.ch
 Acq On : 24 Sep 2025 13:59
 Sample : 100 PPM ALIPHATIC HC STD1
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 092425.M
 Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.384	3.338	3.467	BB	1092296	10831691	79.98%	4.427%
2	4.645	4.609	4.727	BB	1103794	11074745	81.77%	4.527%
3	6.364	6.324	6.487	BB	1219947	12217150	90.21%	4.994%
4	6.827	6.788	6.900	BB	1102890	11308660	83.50%	4.622%
5	7.468	7.415	7.625	BB	1105920	11928750	88.08%	4.876%
6	8.667	8.630	8.758	BB	1069095	11393903	84.13%	4.657%
7	10.287	10.241	10.376	BB	1052874	11954366	88.27%	4.886%
8	11.742	11.686	11.813	BB	1060102	12330072	91.04%	5.040%
9	12.067	12.012	12.137	BB	1159808	13543350	100.00%	5.536%
10	13.060	13.015	13.128	BB	997854	12125534	89.53%	4.956%
11	13.510	13.438	13.576	BB	855434	10679746	78.86%	4.365%
12	13.678	13.635	13.748	BB	986895	12050420	88.98%	4.926%
13	14.267	14.224	14.326	BB	953067	12089669	89.27%	4.942%
14	15.379	15.333	15.442	BB	928052	12192647	90.03%	4.984%
15	16.407	16.360	16.473	BB	895436	12034734	88.86%	4.919%
16	17.363	17.285	17.432	BB	846277	11733153	86.63%	4.796%
17	18.257	18.187	18.314	BB	828742	11608655	85.71%	4.745%
18	19.093	19.030	19.158	BB	781825	10857998	80.17%	4.438%
19	19.881	19.819	19.943	BB	665314	9726422	71.82%	3.976%
20	20.625	20.564	20.679	BB	569130	8339055	61.57%	3.409%
21	21.406	21.326	21.482	BB	406782	7536794	55.65%	3.081%
22	22.399	22.311	22.500	BB	284747	7095087	52.39%	2.900%
Sum of corrected areas:						244652602		

Aliphatic EPH 092425.M Thu Sep 25 04:08:29 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG092425AL\
 Data File : FG016628.D
 Signal(s) : FID1A.ch
 Acq On : 24 Sep 2025 14:29
 Operator : YP\AJ
 Sample : 50 PPM ALIPHATIC HC STD2
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 50 PPM ALIPHATIC HC STD2

Integration File: autoint1.e
 Quant Time: Sep 24 15:32:30 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 092425.M
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Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
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Spiked Amount 50.000		Recovery =	100.33%
12) S 1-chlorooctadecane (S...	13.505	5469032	50.094 ug/ml
Spiked Amount 50.000		Recovery =	100.19%
Target Compounds			
1) T n-Nonane (C9)	3.381	5528279	50.284 ug/ml
2) T n-Decane (C10)	4.642	5652826	50.304 ug/ml
3) T A~Naphthalene (C11.7)	6.360	6200558	50.500 ug/ml
4) T n-Dodecane (C12)	6.824	5771062	50.390 ug/ml
5) T A~2-methylnaphthalene...	7.463	6042738	50.783 ug/ml
6) T n-Tetradecane (C14)	8.664	5809256	50.250 ug/ml
7) T n-Hexadecane (C16)	10.283	6089163	50.101 ug/ml
8) T n-Octadecane (C18)	11.737	6296624	49.962 ug/ml
10) T n-Eicosane (C20)	13.056	6215117	49.984 ug/ml
11) T n-Heneicosane (C21)	13.673	6178436	50.008 ug/ml
13) T n-Docosane (C22)	14.263	6212951	50.016 ug/ml
14) T n-Tetracosane (C24)	15.375	6284923	49.999 ug/ml
15) T n-Hexacosane (C26)	16.403	6229377	50.110 ug/ml
16) T n-Octacosane (C28)	17.358	6105504	50.061 ug/ml
17) T n-Tricontane (C30)	18.252	6079765	49.625 ug/ml
18) T n-Dotriacontane (C32)	19.089	5728342	49.273 ug/ml
19) T n-Tetratriacontane (C34)	19.877	5120162	49.490 ug/ml
20) T n-Hexatriacontane (C36)	20.620	4360749	49.955 ug/ml
21) T n-Octatriacontane (C38)	21.401	3909499	50.418 ug/ml
22) T n-Tetracontane (C40)	22.391	3661493	50.516 ug/ml

(f)=RT Delta > 1/2 Window

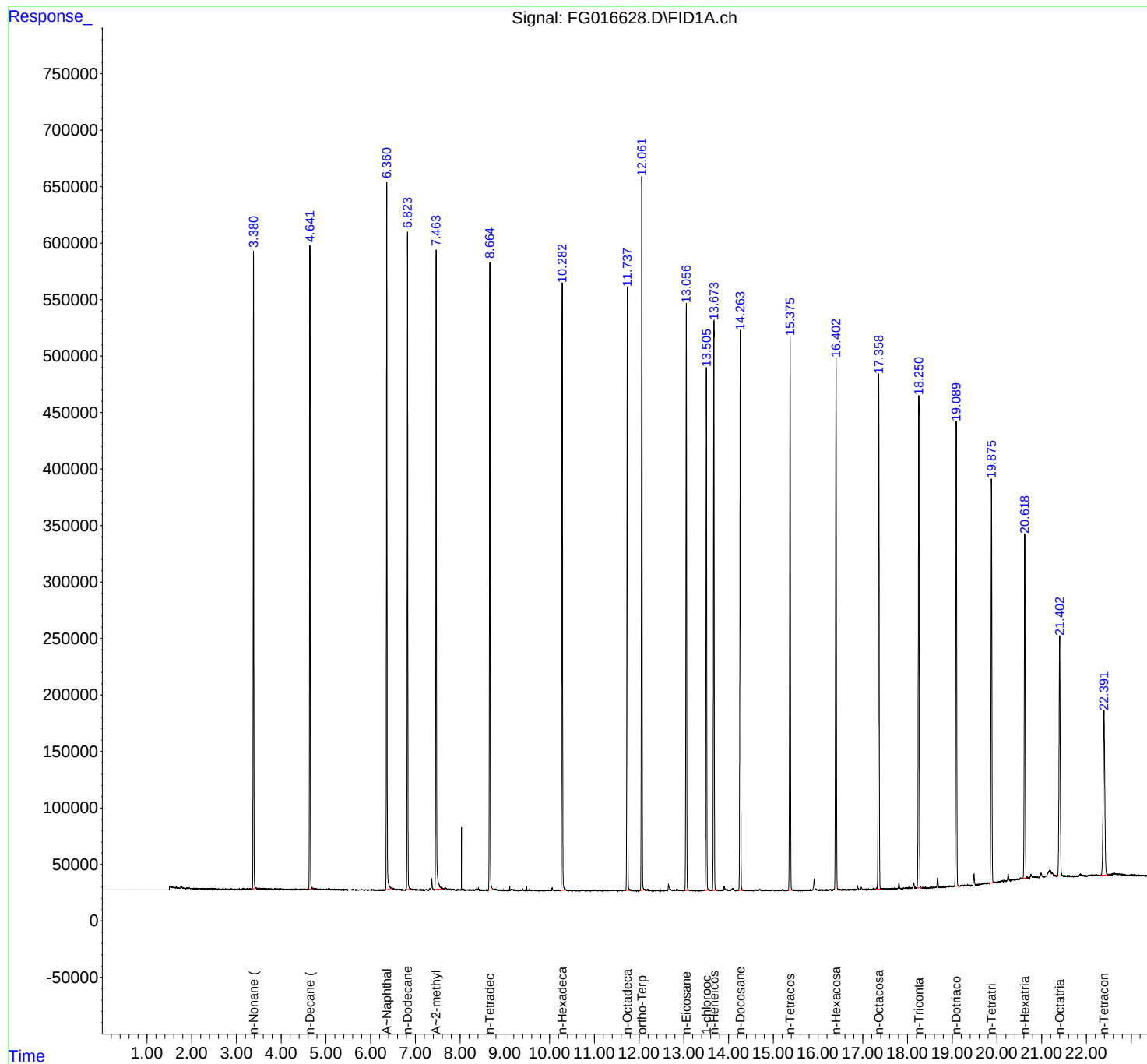
(m)=manual int.

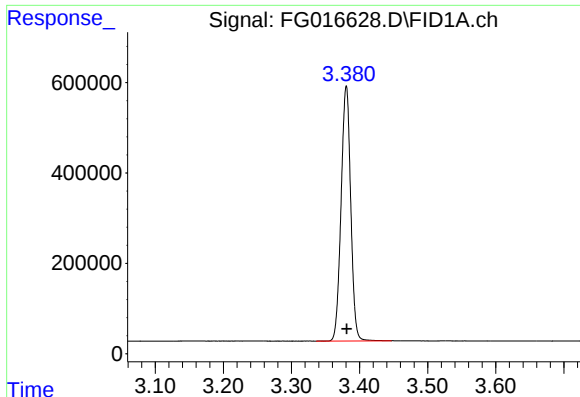
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG092425AL\
Data File : FG016628.D
Signal(s) : FID1A.ch
Acq On : 24 Sep 2025 14:29
Operator : YP\AJ
Sample : 50 PPM ALIPHATIC HC STD2
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
50 PPM ALIPHATIC HC STD2

Integration File: autoint1.e
Quant Time: Sep 24 15:32:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 092425.M
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Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

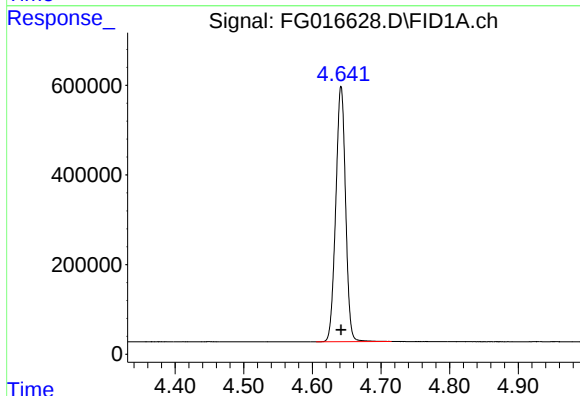




#1 n-Nonane (C9)

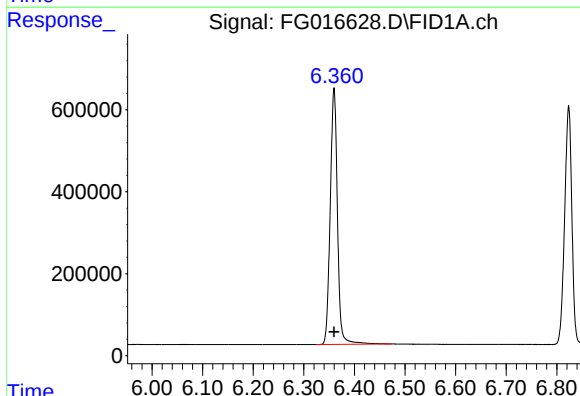
R.T.: 3.381 min
Delta R.T.: 0.000 min
Response: 5528279
Conc: 50.28 ug/ml

Instrument :
FID_G
ClientSampleId :
50 PPM ALIPHATIC HC STD2



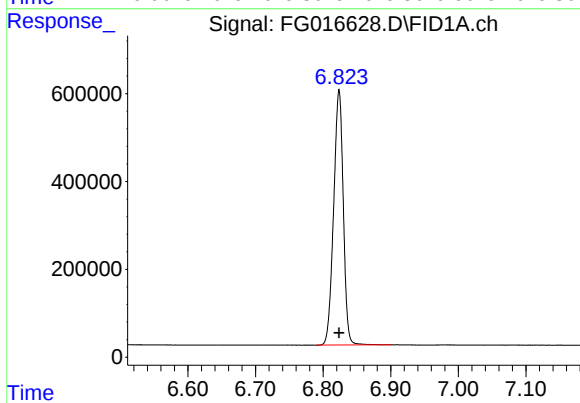
#2 n-Decane (C10)

R.T.: 4.642 min
Delta R.T.: 0.000 min
Response: 5652826
Conc: 50.30 ug/ml



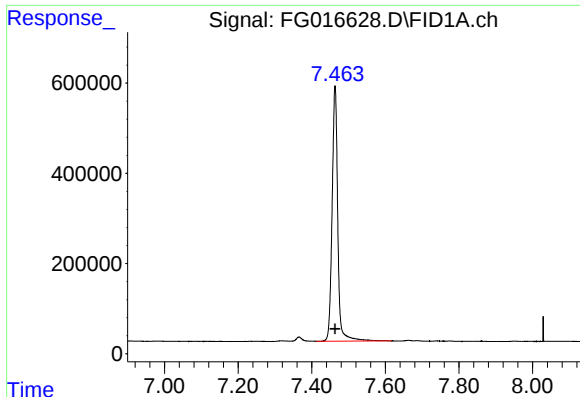
#3 A~Naphthalene (C11.7)

R.T.: 6.360 min
Delta R.T.: 0.000 min
Response: 6200558
Conc: 50.50 ug/ml



#4 n-Dodecane (C12)

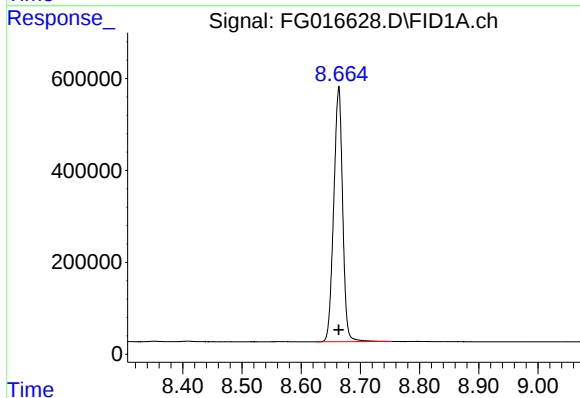
R.T.: 6.824 min
Delta R.T.: 0.000 min
Response: 5771062
Conc: 50.39 ug/ml



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

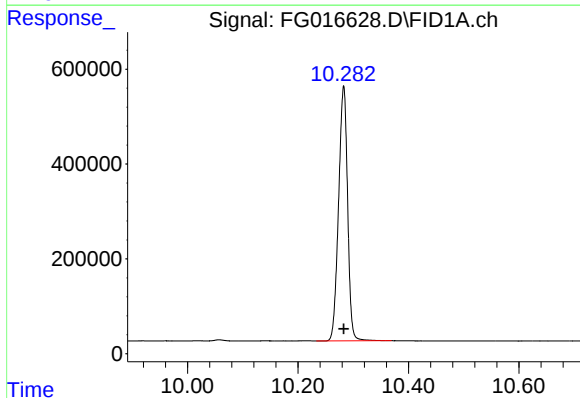
R.T.: 7.463 min
Delta R.T.: 0.000 min
Response: 6042738
Conc: 50.78 ug/ml

Instrument :
FID_G
ClientSampleId :
50 PPM ALIPHATIC HC STD2



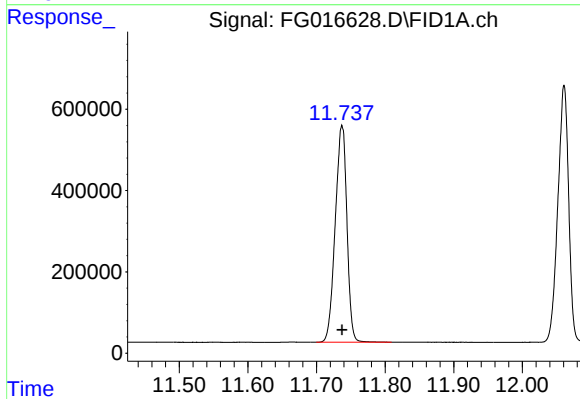
#6 n-Tetradecane (C14)

R.T.: 8.664 min
Delta R.T.: 0.000 min
Response: 5809256
Conc: 50.25 ug/ml



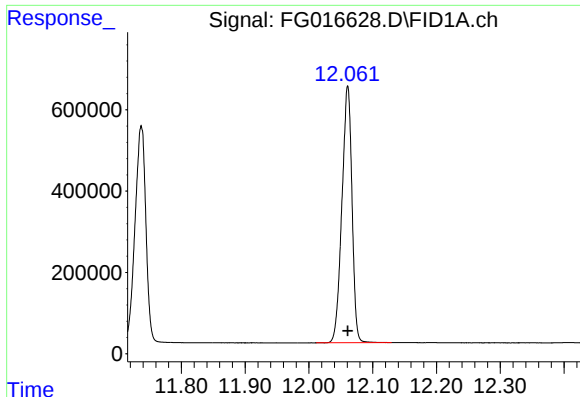
#7 n-Hexadecane (C16)

R.T.: 10.283 min
Delta R.T.: 0.000 min
Response: 6089163
Conc: 50.10 ug/ml



#8 n-Octadecane (C18)

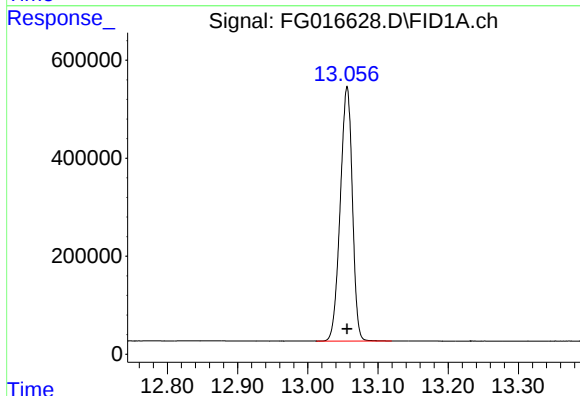
R.T.: 11.737 min
Delta R.T.: 0.000 min
Response: 6296624
Conc: 49.96 ug/ml



#9 ortho-Terphenyl (SURR)

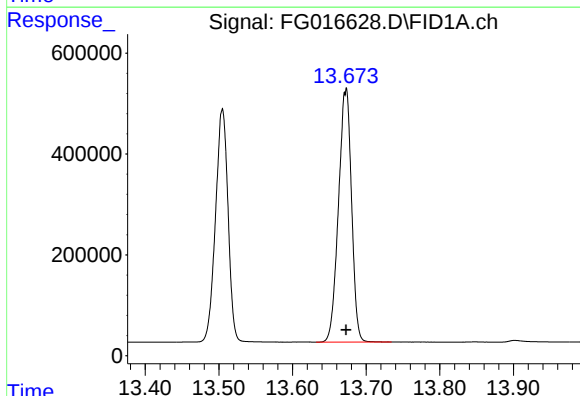
R.T.: 12.061 min
Delta R.T.: 0.000 min
Response: 6928695
Conc: 50.17 ug/ml

Instrument :
FID_G
ClientSampleId :
50 PPM ALIPHATIC HC STD2



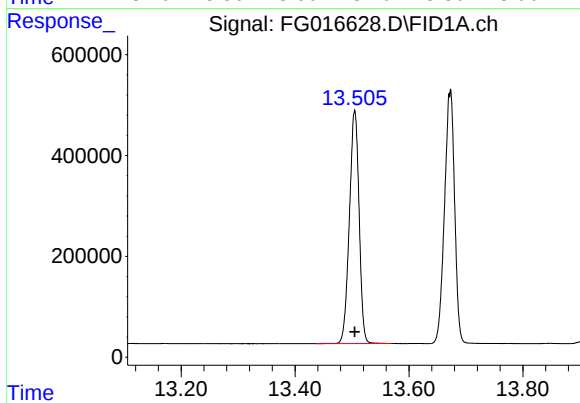
#10 n-Eicosane (C20)

R.T.: 13.056 min
Delta R.T.: 0.000 min
Response: 6215117
Conc: 49.98 ug/ml



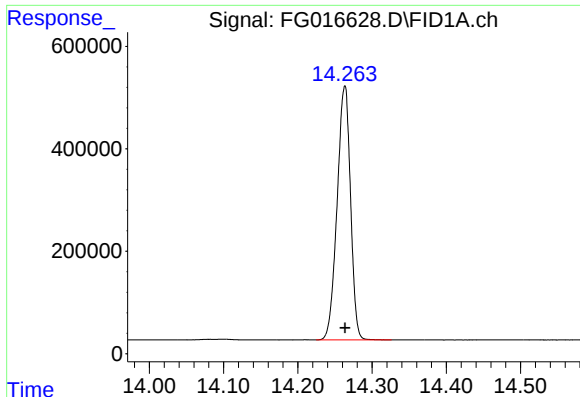
#11 n-Heneicosane (C21)

R.T.: 13.673 min
Delta R.T.: 0.000 min
Response: 6178436
Conc: 50.01 ug/ml



#12 1-chlorooctadecane (SURR)

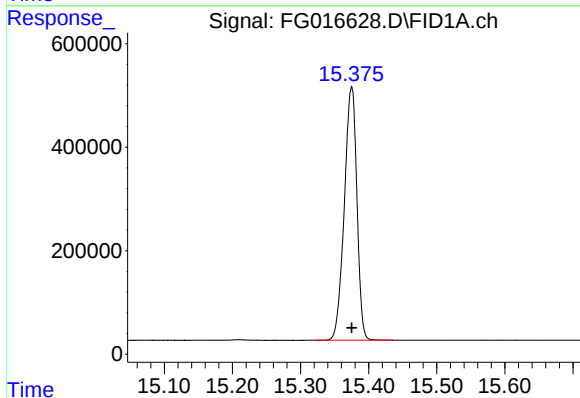
R.T.: 13.505 min
Delta R.T.: 0.000 min
Response: 5469032
Conc: 50.09 ug/ml



#13 n-Docosane (C22)

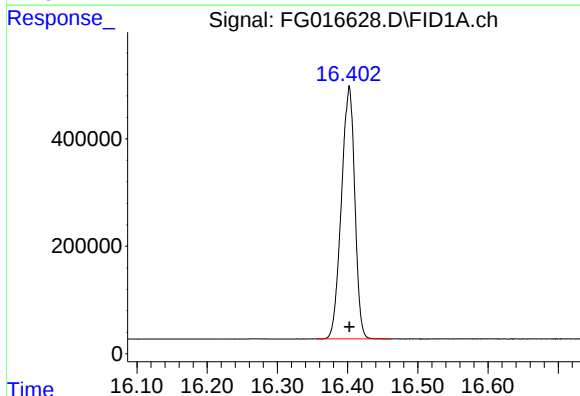
R.T.: 14.263 min
Delta R.T.: 0.000 min
Response: 6212951
Conc: 50.02 ug/ml

Instrument :
FID_G
ClientSampleId :
50 PPM ALIPHATIC HC STD2



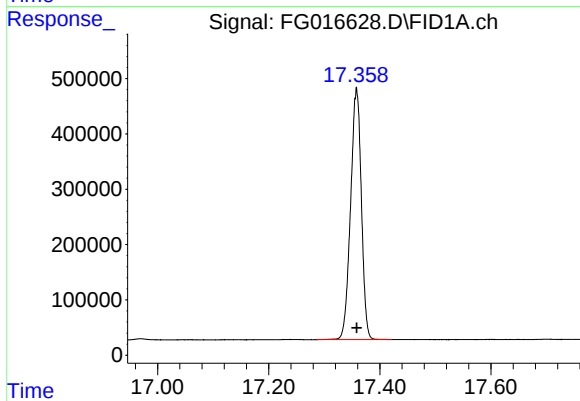
#14 n-Tetracosane (C24)

R.T.: 15.375 min
Delta R.T.: 0.000 min
Response: 6284923
Conc: 50.00 ug/ml



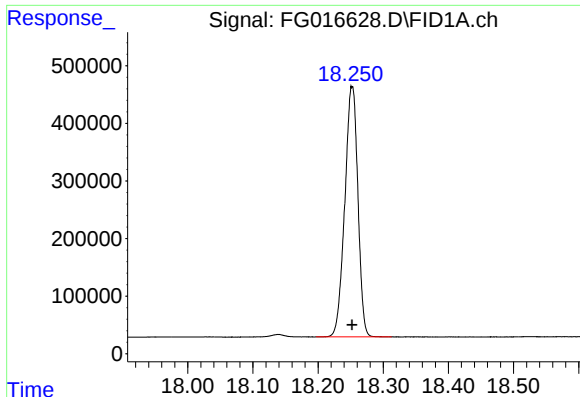
#15 n-Hexacosane (C26)

R.T.: 16.403 min
Delta R.T.: 0.000 min
Response: 6229377
Conc: 50.11 ug/ml



#16 n-Octacosane (C28)

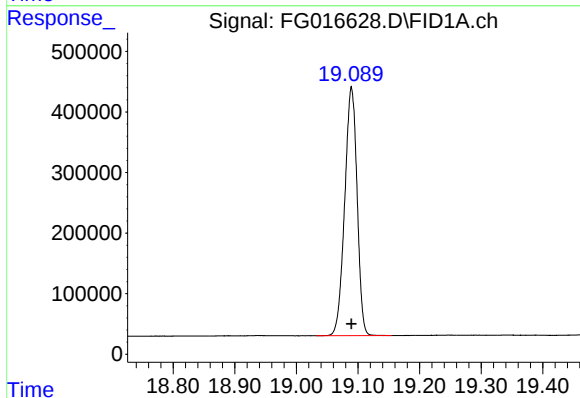
R.T.: 17.358 min
Delta R.T.: 0.000 min
Response: 6105504
Conc: 50.06 ug/ml



#17 n-Tricontane (C30)

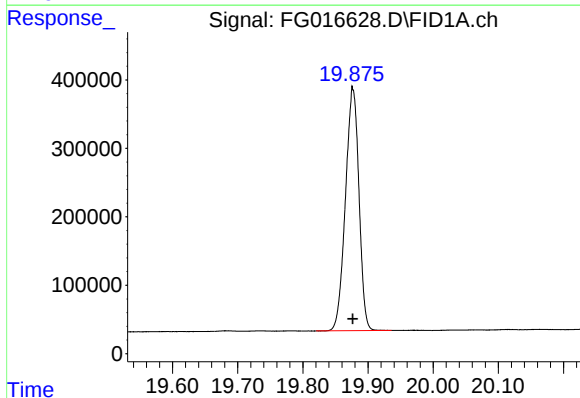
R.T.: 18.252 min
Delta R.T.: 0.000 min
Response: 6079765
Conc: 49.62 ug/ml

Instrument :
FID_G
ClientSampleId :
50 PPM ALIPHATIC HC STD2



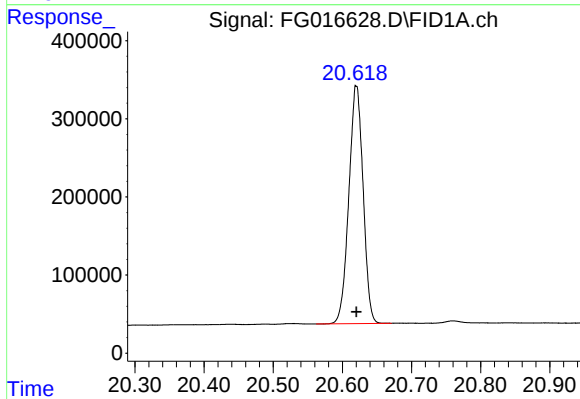
#18 n-Dotriacontane (C32)

R.T.: 19.089 min
Delta R.T.: 0.000 min
Response: 5728342
Conc: 49.27 ug/ml



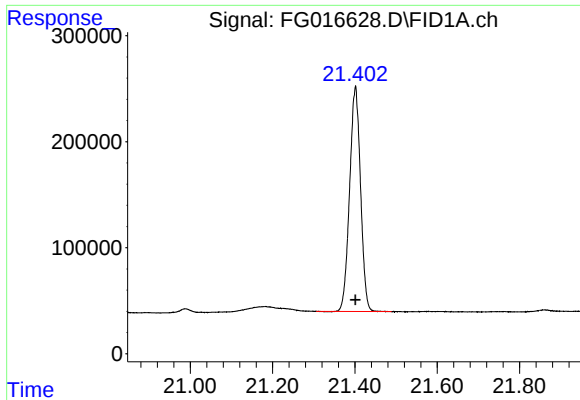
#19 n-Tetratriacontane (C34)

R.T.: 19.877 min
Delta R.T.: 0.000 min
Response: 5120162
Conc: 49.49 ug/ml



#20 n-Hexatriacontane (C36)

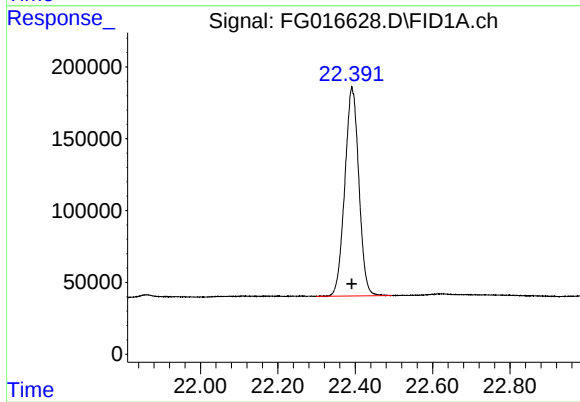
R.T.: 20.620 min
Delta R.T.: 0.000 min
Response: 4360749
Conc: 49.96 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.401 min
Delta R.T.: 0.000 min
Response: 3909499
Conc: 50.42 ug/ml

Instrument :
FID_G
ClientSampleId :
50 PPM ALIPHATIC HC STD2



#22 n-Tetracontane (C40)

R.T.: 22.391 min
Delta R.T.: 0.000 min
Response: 3661493
Conc: 50.52 ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG092425AL\
 Data File : FG016628.D
 Signal(s) : FID1A.ch
 Acq On : 24 Sep 2025 14:29
 Sample : 50 PPM ALIPHATIC HC STD2
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 092425.M
 Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.381	3.336	3.447	BB	564332	5528279	79.79%	4.392%
2	4.642	4.605	4.715	BB	569753	5652826	81.59%	4.491%
3	6.360	6.325	6.474	BB	625359	6200558	89.49%	4.926%
4	6.824	6.790	6.901	BB	582147	5771062	83.29%	4.585%
5	7.463	7.412	7.617	BB	565212	6042738	87.21%	4.801%
6	8.664	8.625	8.753	BB	555753	5809256	83.84%	4.615%
7	10.283	10.233	10.370	BB	537813	6089163	87.88%	4.837%
8	11.737	11.700	11.810	BB	533548	6296624	90.88%	5.002%
9	12.061	12.011	12.130	BB	631906	6928695	100.00%	5.504%
10	13.056	13.012	13.120	BB	519484	6215117	89.70%	4.938%
11	13.505	13.437	13.570	BB	461636	5469032	78.93%	4.345%
12	13.673	13.632	13.735	BB	502533	6178436	89.17%	4.908%
13	14.263	14.225	14.326	BB	496298	6212951	89.67%	4.936%
14	15.375	15.323	15.434	BB	490707	6284923	90.71%	4.993%
15	16.403	16.355	16.463	BB	470319	6229377	89.91%	4.949%
16	17.358	17.285	17.421	BB	455816	6105504	88.12%	4.850%
17	18.252	18.197	18.313	BB	433235	6079765	87.75%	4.830%
18	19.089	19.032	19.155	BB	410699	5728342	82.68%	4.551%
19	19.877	19.820	19.936	BB	351757	5120162	73.90%	4.068%
20	20.620	20.562	20.671	BB	303641	4360749	62.94%	3.464%
21	21.401	21.306	21.489	BB	212234	3909499	56.42%	3.106%
22	22.391	22.299	22.494	BB	145259	3661493	52.85%	2.909%
Sum of corrected areas:						125874551		

Aliphatic EPH 092425.M Thu Sep 25 04:10:55 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG092425AL\
 Data File : FG016629.D
 Signal(s) : FID1A.ch
 Acq On : 24 Sep 2025 14:59
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD3
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 20 PPM ALIPHATIC HC STD3

Integration File: autoint1.e
 Quant Time: Sep 24 15:28:49 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 092425.M
 Quant Title : GC Extractables
 QLast Update : Wed Sep 24 15:28:33 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)	12.056	2806722	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
12) S 1-chlorooctadecane (S...	13.501	2226973	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
Target Compounds			
1) T n-Nonane (C9)	3.379	2218763	20.000 ug/ml
2) T n-Decane (C10)	4.640	2266374	20.000 ug/ml
3) T A~Naphthalene (C11.7)	6.358	2443325	20.000 ug/ml
4) T n-Dodecane (C12)	6.821	2301495	20.000 ug/ml
5) T A~2-methylnaphthalene...	7.461	2336645	20.000 ug/ml
6) T n-Tetradecane (C14)	8.661	2333891	20.000 ug/ml
7) T n-Hexadecane (C16)	10.280	2465707	20.000 ug/ml
8) T n-Octadecane (C18)	11.734	2576996	20.000 ug/ml
10) T n-Eicosane (C20)	13.053	2549373	20.000 ug/ml
11) T n-Heneicosane (C21)	13.669	2531414	20.000 ug/ml
13) T n-Docosane (C22)	14.260	2549976	20.000 ug/ml
14) T n-Tetracosane (C24)	15.370	2589634	20.000 ug/ml
15) T n-Hexacosane (C26)	16.399	2560143	20.000 ug/ml
16) T n-Octacosane (C28)	17.355	2528827	20.000 ug/ml
17) T n-Tricontane (C30)	18.248	2597221	20.000 ug/ml
18) T n-Dotriacontane (C32)	19.086	2512493	20.000 ug/ml
19) T n-Tetratriacontane (C34)	19.875	2214195	20.000 ug/ml
20) T n-Hexatriacontane (C36)	20.619	1825466	20.000 ug/ml
21) T n-Octatriacontane (C38)	21.398	1581316	20.000 ug/ml
22) T n-Tetracontane (C40)	22.390	1465265	20.000 ug/ml

(f)=RT Delta > 1/2 Window

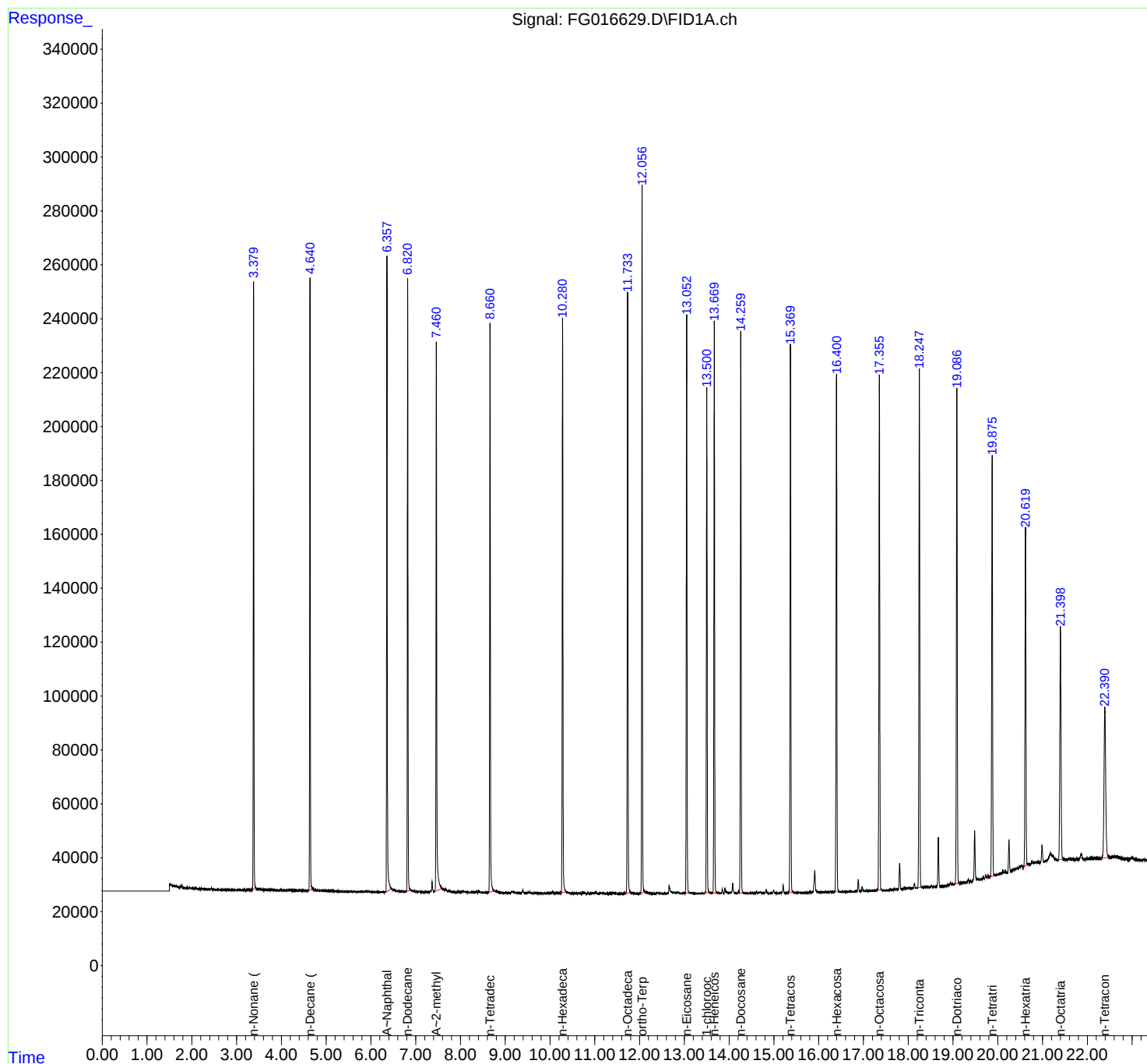
(m)=manual int.

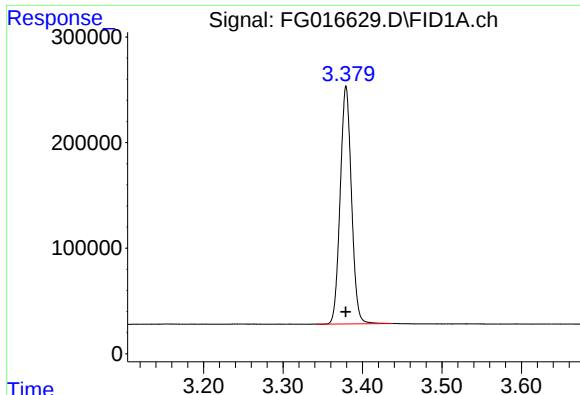
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG092425AL\
Data File : FG016629.D
Signal(s) : FID1A.ch
Acq On : 24 Sep 2025 14:59
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD3
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD3

Integration File: autoint1.e
Quant Time: Sep 24 15:28:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 092425.M
Quant Title : GC Extractables
QLast Update : Wed Sep 24 15:28:33 2025
Response via : Initial Calibration
Integrator: ChemStation

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

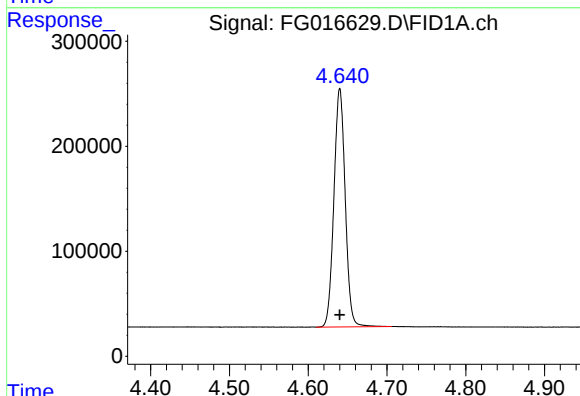




#1 n-Nonane (C9)

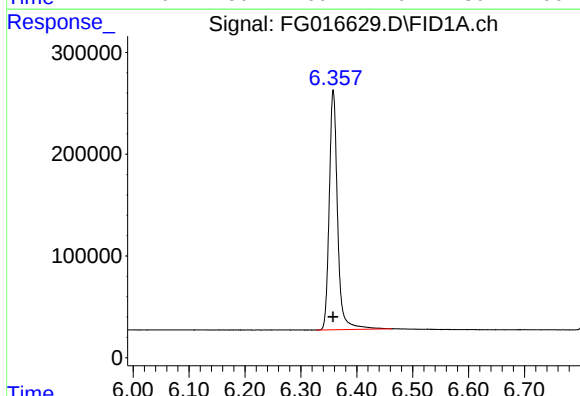
R.T.: 3.379 min
Delta R.T.: 0.000 min
Response: 2218763
Conc: 20.00 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD3



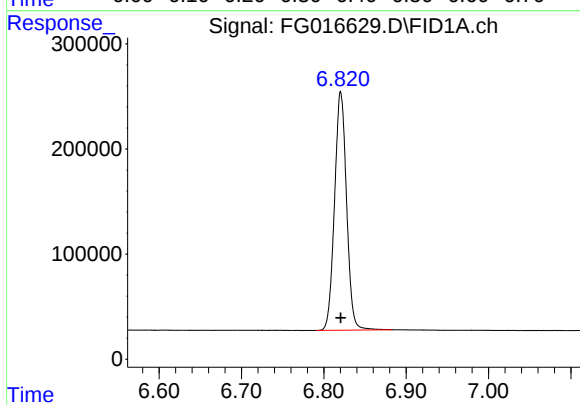
#2 n-Decane (C10)

R.T.: 4.640 min
Delta R.T.: 0.000 min
Response: 2266374
Conc: 20.00 ug/ml



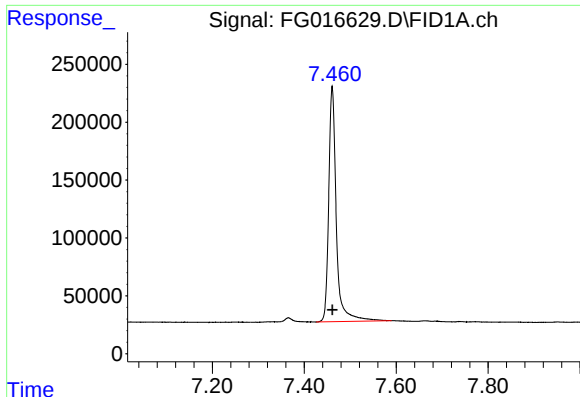
#3 A~Naphthalene (C11.7)

R.T.: 6.358 min
Delta R.T.: 0.000 min
Response: 2443325
Conc: 20.00 ug/ml



#4 n-Dodecane (C12)

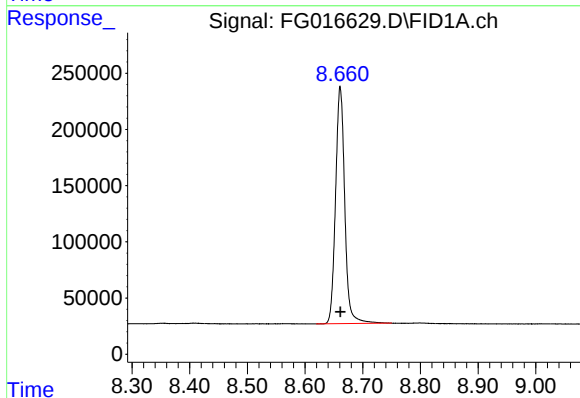
R.T.: 6.821 min
Delta R.T.: 0.000 min
Response: 2301495
Conc: 20.00 ug/ml



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

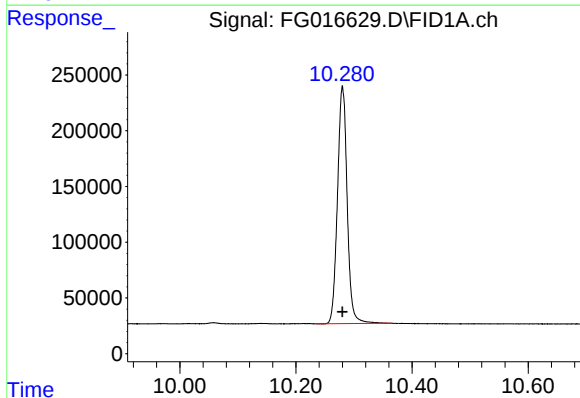
R.T.: 7.461 min
Delta R.T.: 0.000 min
Response: 2336645
Conc: 20.00 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD3



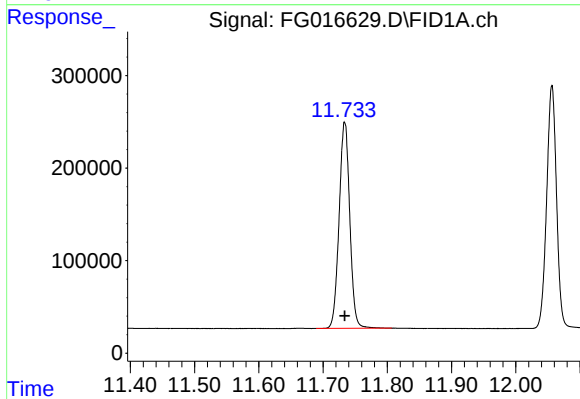
#6 n-Tetradecane (C14)

R.T.: 8.661 min
Delta R.T.: 0.000 min
Response: 2333891
Conc: 20.00 ug/ml



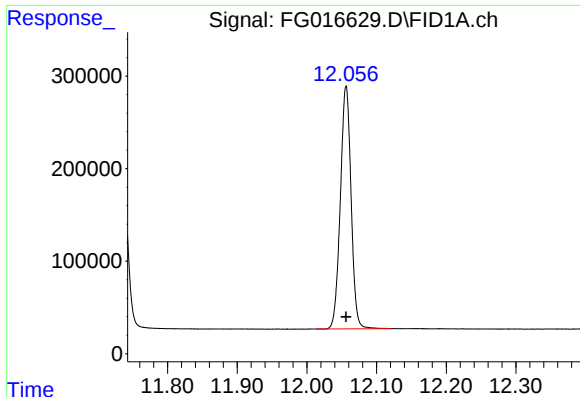
#7 n-Hexadecane (C16)

R.T.: 10.280 min
Delta R.T.: 0.000 min
Response: 2465707
Conc: 20.00 ug/ml



#8 n-Octadecane (C18)

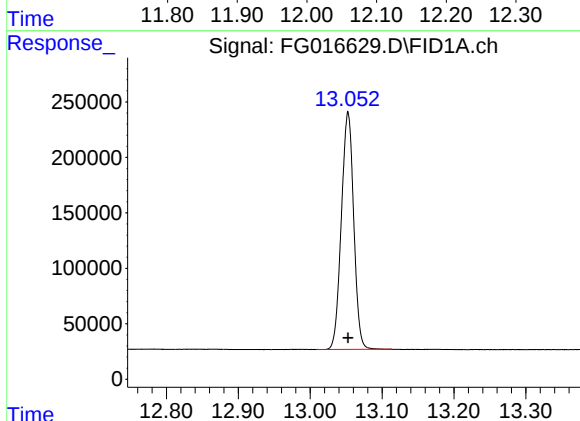
R.T.: 11.734 min
Delta R.T.: 0.000 min
Response: 2576996
Conc: 20.00 ug/ml



#9 ortho-Terphenyl (SURR)

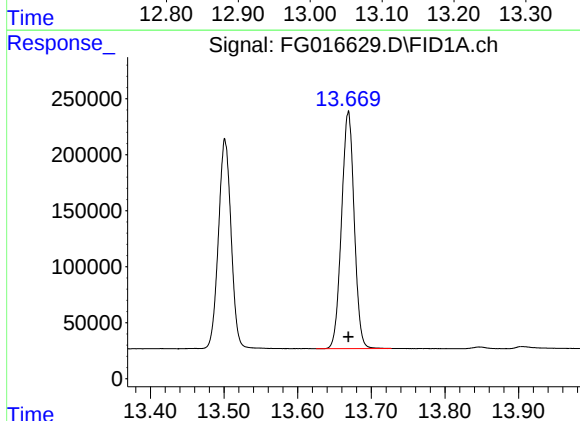
R.T.: 12.056 min
Delta R.T.: 0.000 min
Response: 2806722
Conc: 20.00 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD3



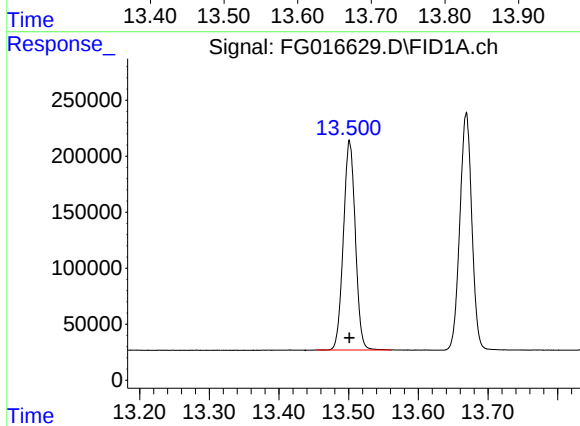
#10 n-Eicosane (C20)

R.T.: 13.053 min
Delta R.T.: 0.000 min
Response: 2549373
Conc: 20.00 ug/ml



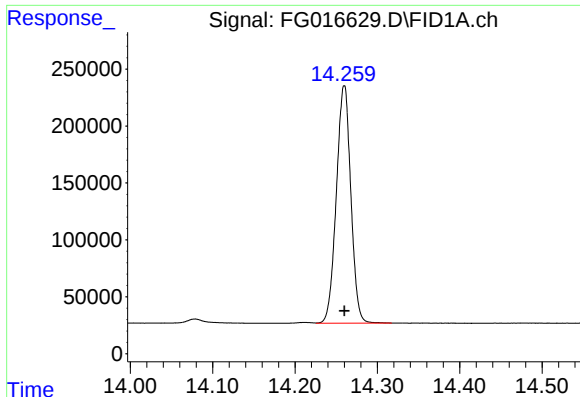
#11 n-Heneicosane (C21)

R.T.: 13.669 min
Delta R.T.: 0.000 min
Response: 2531414
Conc: 20.00 ug/ml



#12 1-chlorooctadecane (SURR)

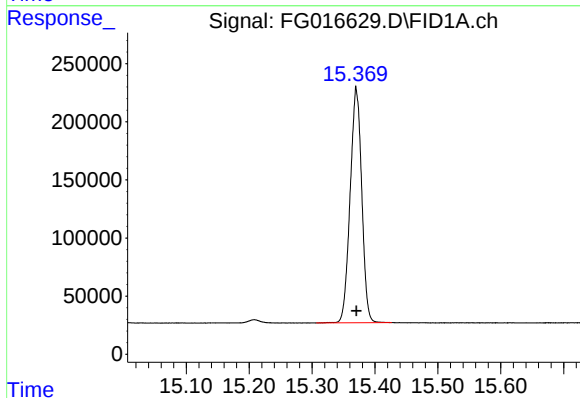
R.T.: 13.501 min
Delta R.T.: 0.000 min
Response: 2226973
Conc: 20.00 ug/ml



#13 n-Docosane (C22)

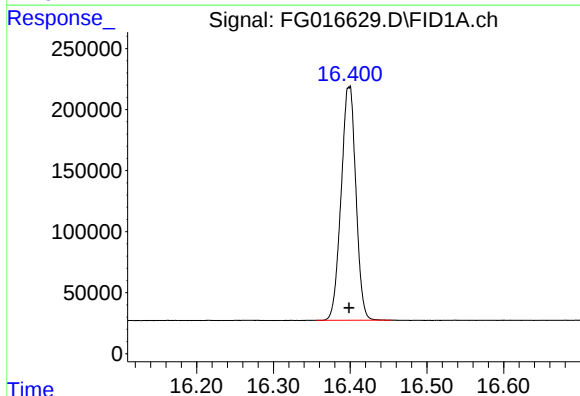
R.T.: 14.260 min
Delta R.T.: 0.000 min
Response: 2549976
Conc: 20.00 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD3



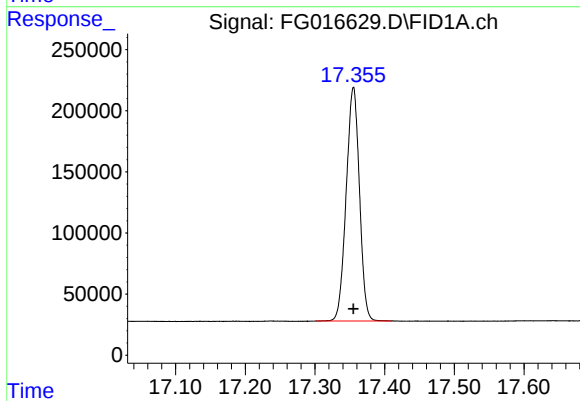
#14 n-Tetracosane (C24)

R.T.: 15.370 min
Delta R.T.: 0.000 min
Response: 2589634
Conc: 20.00 ug/ml



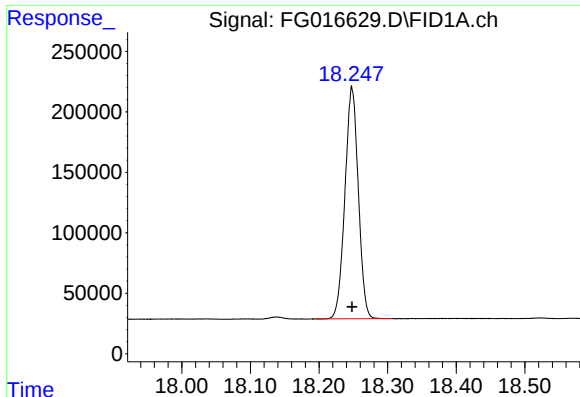
#15 n-Hexacosane (C26)

R.T.: 16.399 min
Delta R.T.: 0.000 min
Response: 2560143
Conc: 20.00 ug/ml



#16 n-Octacosane (C28)

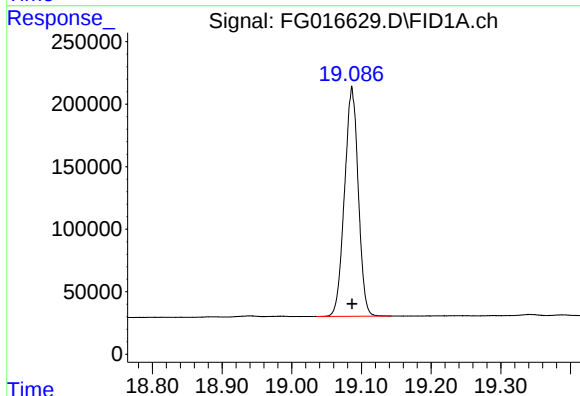
R.T.: 17.355 min
Delta R.T.: 0.000 min
Response: 2528827
Conc: 20.00 ug/ml



#17 n-Tricontane (C30)

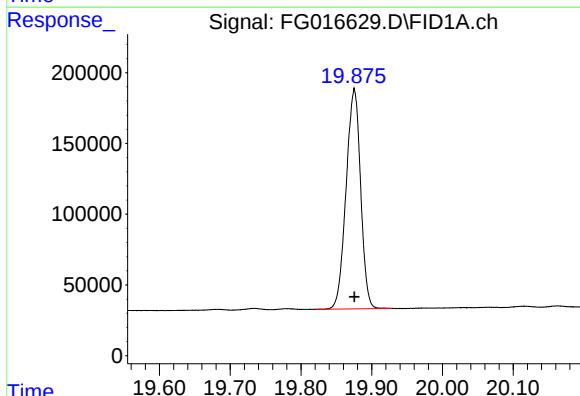
R.T.: 18.248 min
Delta R.T.: 0.000 min
Response: 2597221
Conc: 20.00 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD3



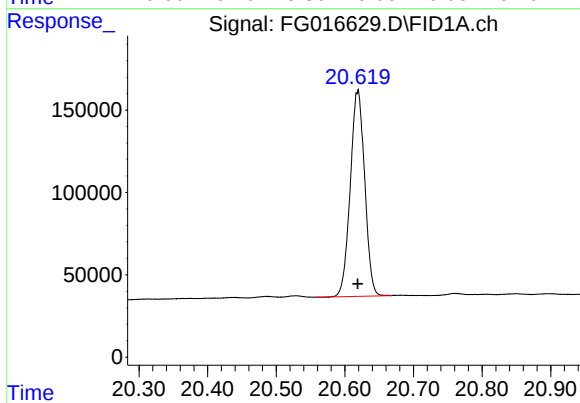
#18 n-Dotriacontane (C32)

R.T.: 19.086 min
Delta R.T.: 0.000 min
Response: 2512493
Conc: 20.00 ug/ml



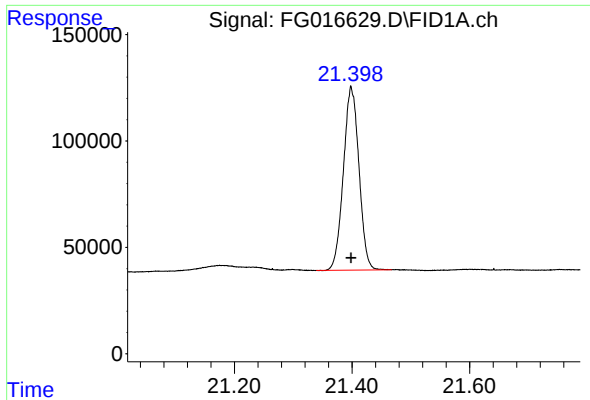
#19 n-Tetratriacontane (C34)

R.T.: 19.875 min
Delta R.T.: 0.000 min
Response: 2214195
Conc: 20.00 ug/ml



#20 n-Hexatriacontane (C36)

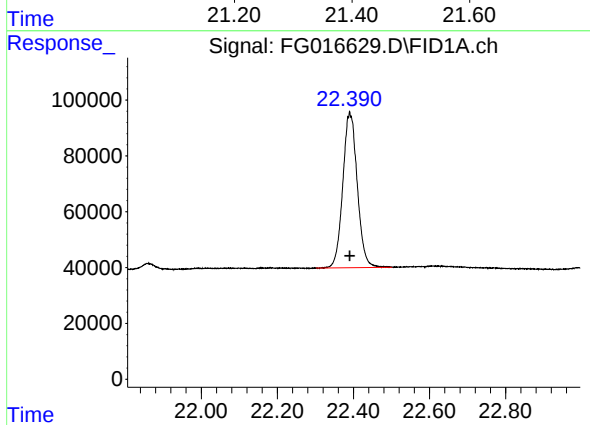
R.T.: 20.619 min
Delta R.T.: 0.000 min
Response: 1825466
Conc: 20.00 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.398 min
Delta R.T.: 0.000 min
Response: 1581316
Conc: 20.00 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD3



#22 n-Tetracontane (C40)

R.T.: 22.390 min
Delta R.T.: 0.000 min
Response: 1465265
Conc: 20.00 ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG092425AL\
 Data File : FG016629.D
 Signal(s) : FID1A.ch
 Acq On : 24 Sep 2025 14:59
 Sample : 20 PPM ALIPHATIC HC STD3
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 092425.M
 Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.379	3.342	3.437	BB	225271	2218763	79.05%	4.310%
2	4.640	4.610	4.706	BB	227174	2266374	80.75%	4.402%
3	6.358	6.328	6.463	BB	235136	2443325	87.05%	4.746%
4	6.821	6.791	6.883	BB	226504	2301495	82.00%	4.470%
5	7.461	7.426	7.590	BB	203398	2336645	83.25%	4.539%
6	8.661	8.619	8.750	BB	210694	2333891	83.15%	4.533%
7	10.280	10.235	10.365	BB	212983	2465707	87.85%	4.789%
8	11.734	11.689	11.807	BB	222071	2576996	91.82%	5.006%
9	12.056	12.013	12.122	BB	262836	2806722	100.00%	5.452%
10	13.053	13.008	13.113	BB	214356	2549373	90.83%	4.952%
11	13.501	13.453	13.562	BB	185961	2226973	79.34%	4.326%
12	13.669	13.625	13.728	BB	212286	2531414	90.19%	4.917%
13	14.260	14.226	14.318	VB	208440	2549976	90.85%	4.953%
14	15.370	15.307	15.427	BB	202205	2589634	92.27%	5.030%
15	16.399	16.356	16.454	BB	190973	2560143	91.21%	4.973%
16	17.355	17.302	17.410	BB	191185	2528827	90.10%	4.912%
17	18.248	18.196	18.306	BB	190251	2597221	92.54%	5.045%
18	19.086	19.035	19.143	BB	183865	2512493	89.52%	4.880%
19	19.875	19.822	19.928	BB	155357	2214195	78.89%	4.301%
20	20.619	20.558	20.668	BB	125076	1825466	65.04%	3.546%
21	21.398	21.339	21.468	BB	86408	1581316	56.34%	3.072%
22	22.390	22.302	22.500	BB	55900	1465265	52.21%	2.846%
Sum of corrected areas:						51482215		

Aliphatic EPH 092425.M Thu Sep 25 04:15:33 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG092425AL\
 Data File : FG016630.D
 Signal(s) : FID1A.ch
 Acq On : 24 Sep 2025 15:28
 Operator : YP\AJ
 Sample : 10 PPM ALIPHATIC HC STD4
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 10 PPM ALIPHATIC HC STD4

Integration File: autoint1.e
 Quant Time: Sep 24 15:40:39 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 092425.M
 Quant Title : GC Extractables
 QLast Update : Wed Sep 24 15:40:29 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)	12.055	1463116	10.439 ug/ml
Spiked Amount 50.000		Recovery =	20.88%
12) S 1-chlorooctadecane (S...	13.502	1157762	10.447 ug/ml
Spiked Amount 50.000		Recovery =	20.89%
Target Compounds			
1) T n-Nonane (C9)	3.380	1162484	10.424 ug/ml
2) T n-Decane (C10)	4.640	1184621	10.401 ug/ml
3) T A~Naphthalene (C11.7)	6.358	1244243	10.100 ug/ml
4) T n-Dodecane (C12)	6.821	1196108	10.329 ug/ml
5) T A~2-methylnaphthalene...	7.461	1142771	9.700 ug/ml
6) T n-Tetradecane (C14)	8.661	1199975	10.282 ug/ml
7) T n-Hexadecane (C16)	10.280	1267524	10.318 ug/ml
8) T n-Octadecane (C18)	11.733	1333319	10.428 ug/ml
10) T n-Eicosane (C20)	13.052	1328269	10.503 ug/ml
11) T n-Heneicosane (C21)	13.668	1317314	10.489 ug/ml
13) T n-Docosane (C22)	14.259	1321673	10.472 ug/ml
14) T n-Tetracosane (C24)	15.370	1336986	10.470 ug/ml
15) T n-Hexacosane (C26)	16.399	1325441	10.488 ug/ml
16) T n-Octacosane (C28)	17.354	1301210	10.494 ug/ml
17) T n-Tricontane (C30)	18.247	1309761	10.509 ug/ml
18) T n-Dotriacontane (C32)	19.085	1246476	10.532 ug/ml
19) T n-Tetratriacontane (C34)	19.873	1114409	10.568 ug/ml
20) T n-Hexatriacontane (C36)	20.618	950327	10.651 ug/ml
21) T n-Octatriacontane (C38)	21.400	864915	10.841 ug/ml
22) T n-Tetracontane (C40)	22.393	820694	10.960 ug/ml

(f)=RT Delta > 1/2 Window

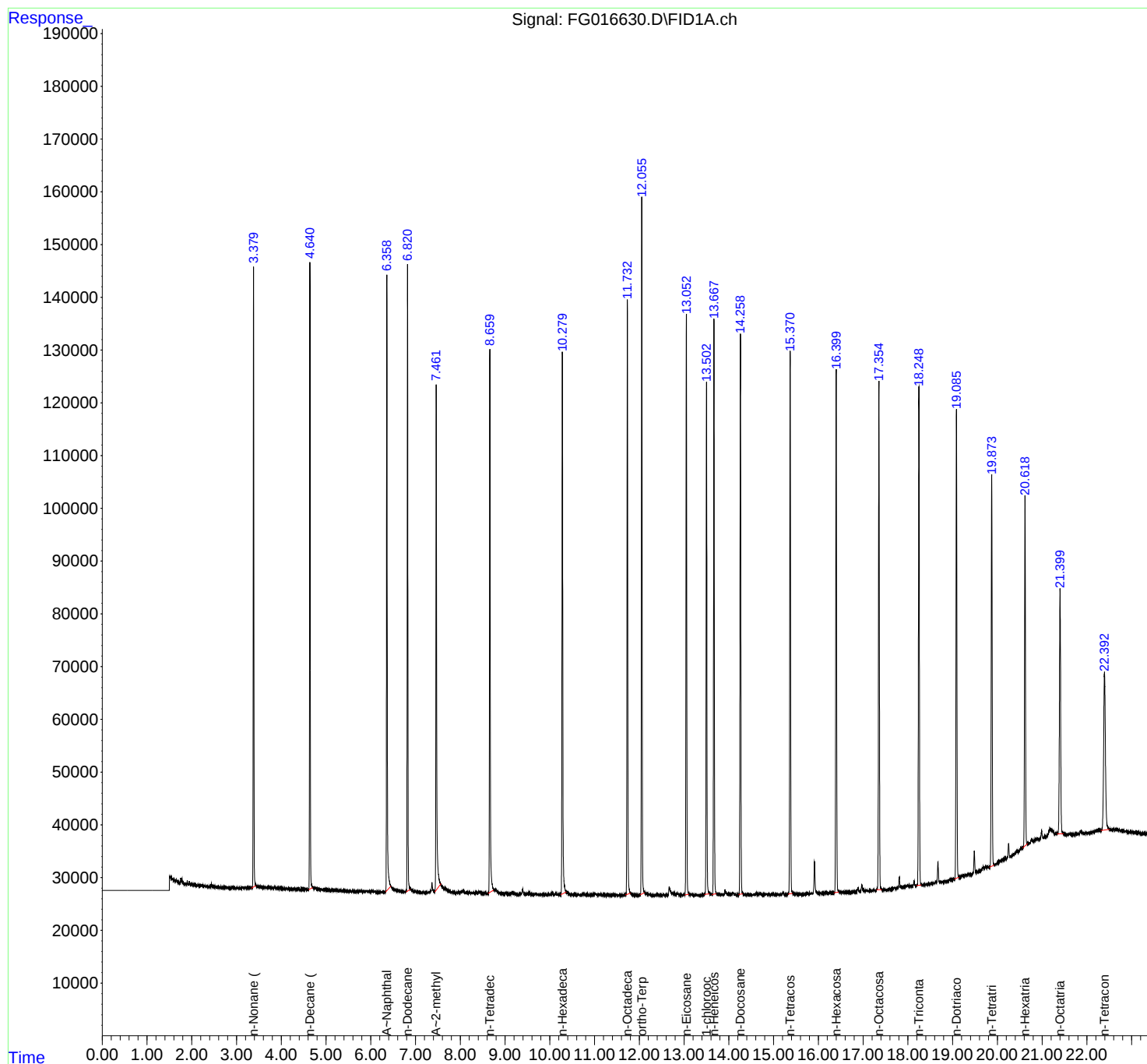
(m)=manual int.

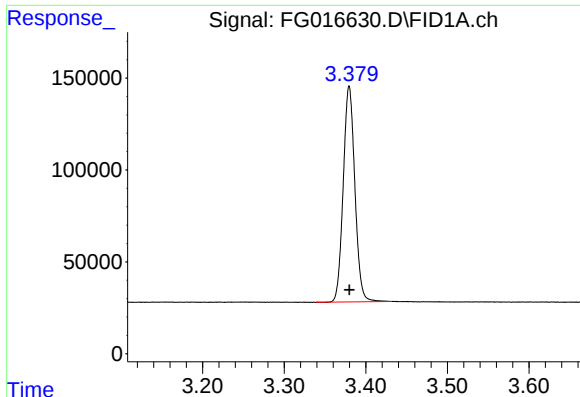
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG092425AL\
Data File : FG016630.D
Signal(s) : FID1A.ch
Acq On : 24 Sep 2025 15:28
Operator : YP\AJ
Sample : 10 PPM ALIPHATIC HC STD4
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
10 PPM ALIPHATIC HC STD4

Integration File: autoint1.e
Quant Time: Sep 24 15:40:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 092425.M
Quant Title : GC Extractables
QLast Update : Wed Sep 24 15:40:29 2025
Response via : Initial Calibration
Integrator: ChemStation

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

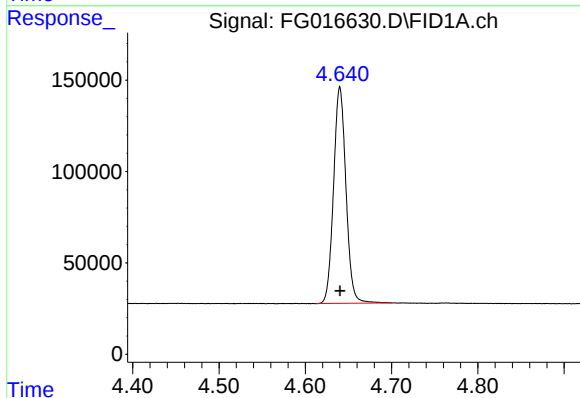




#1 n-Nonane (C9)

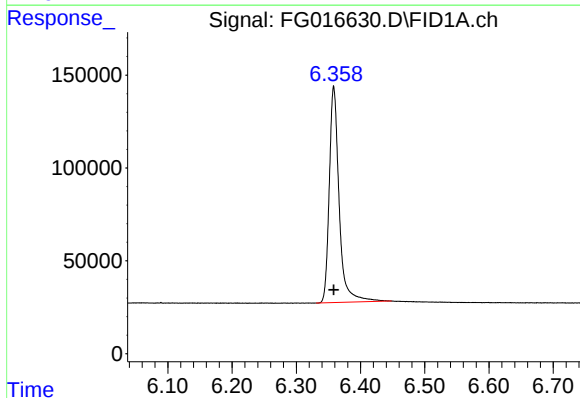
R.T.: 3.380 min
Delta R.T.: 0.000 min
Response: 1162484
Conc: 10.42 ug/ml

Instrument :
FID_G
ClientSampleId :
10 PPM ALIPHATIC HC STD4



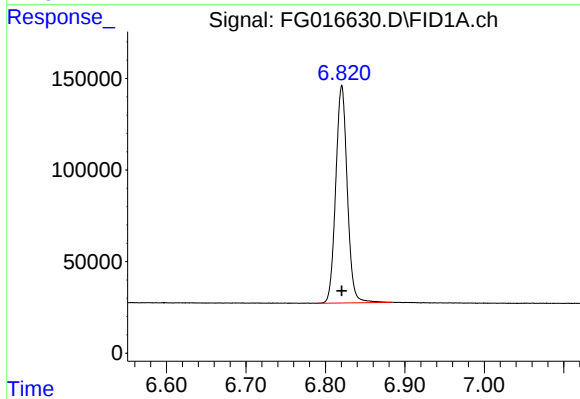
#2 n-Decane (C10)

R.T.: 4.640 min
Delta R.T.: 0.000 min
Response: 1184621
Conc: 10.40 ug/ml



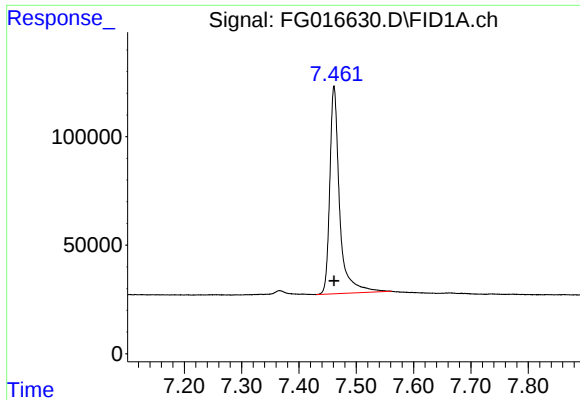
#3 A~Naphthalene (C11.7)

R.T.: 6.358 min
Delta R.T.: 0.000 min
Response: 1244243
Conc: 10.10 ug/ml



#4 n-Dodecane (C12)

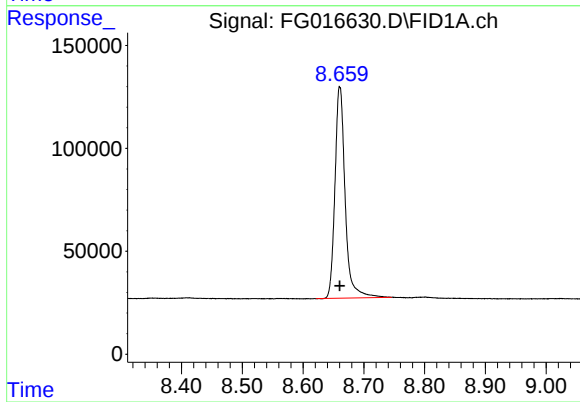
R.T.: 6.821 min
Delta R.T.: 0.000 min
Response: 1196108
Conc: 10.33 ug/ml



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

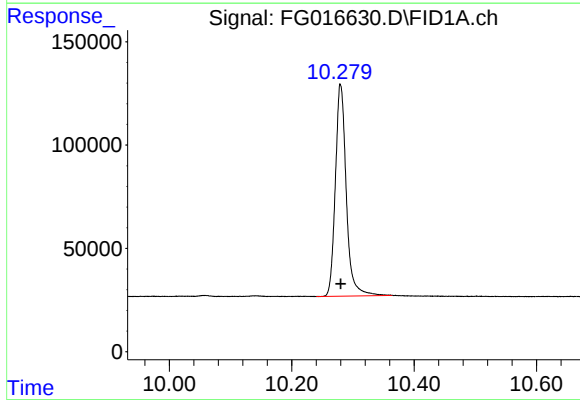
R.T.: 7.461 min
Delta R.T.: 0.000 min
Response: 1142771
Conc: 9.70 ug/ml

Instrument :
FID_G
ClientSampleId :
10 PPM ALIPHATIC HC STD4



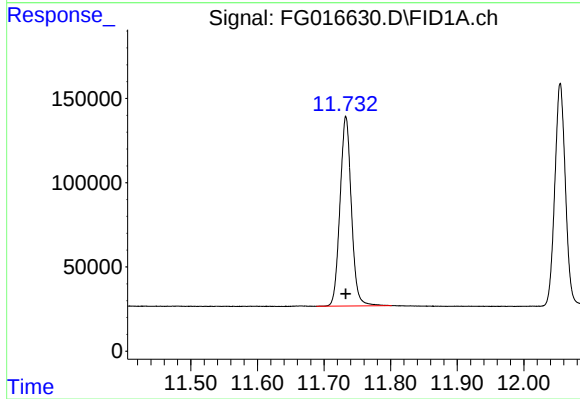
#6 n-Tetradecane (C14)

R.T.: 8.661 min
Delta R.T.: 0.000 min
Response: 1199975
Conc: 10.28 ug/ml



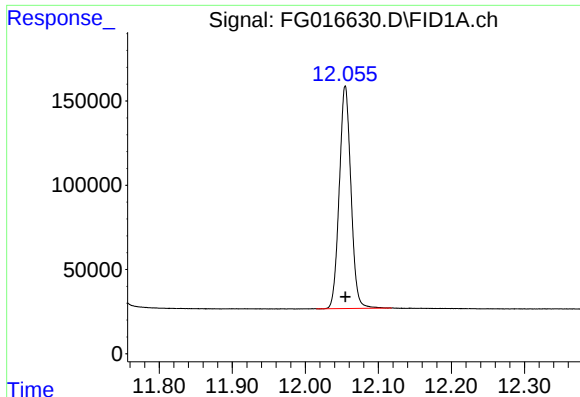
#7 n-Hexadecane (C16)

R.T.: 10.280 min
Delta R.T.: 0.000 min
Response: 1267524
Conc: 10.32 ug/ml



#8 n-Octadecane (C18)

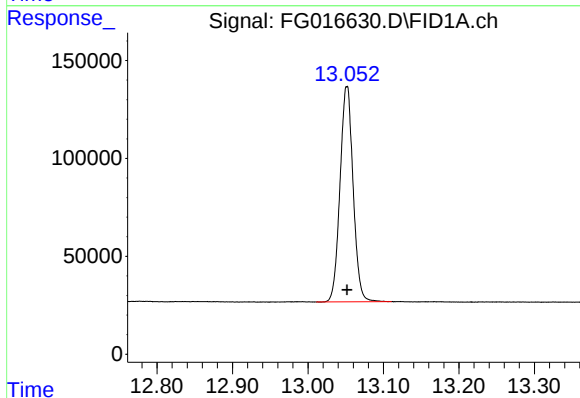
R.T.: 11.733 min
Delta R.T.: 0.000 min
Response: 1333319
Conc: 10.43 ug/ml



#9 ortho-Terphenyl (SURR)

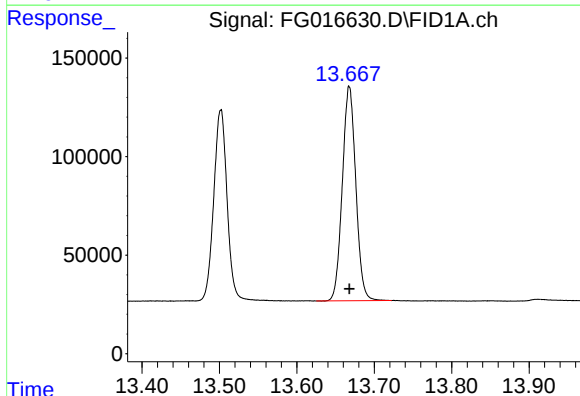
R.T.: 12.055 min
Delta R.T.: 0.000 min
Response: 1463116
Conc: 10.44 ug/ml

Instrument :
FID_G
ClientSampleId :
10 PPM ALIPHATIC HC STD4



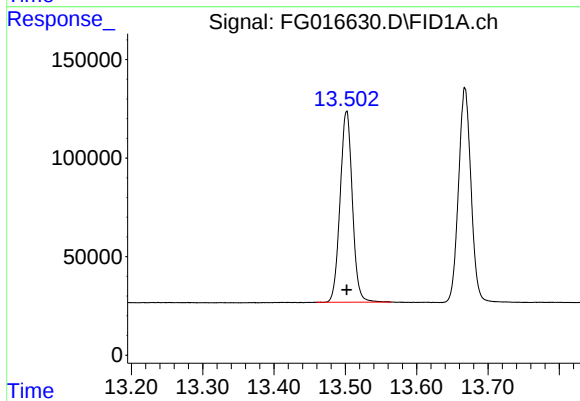
#10 n-Eicosane (C20)

R.T.: 13.052 min
Delta R.T.: 0.000 min
Response: 1328269
Conc: 10.50 ug/ml



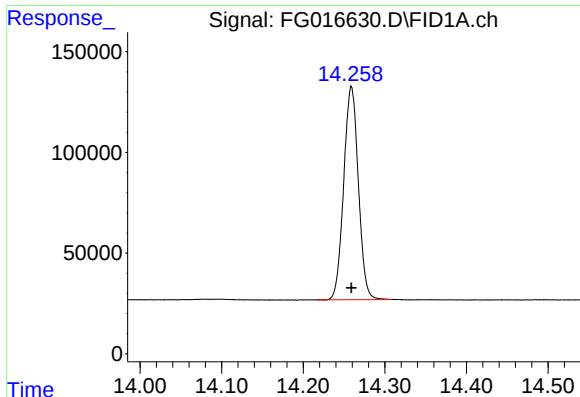
#11 n-Heneicosane (C21)

R.T.: 13.668 min
Delta R.T.: 0.000 min
Response: 1317314
Conc: 10.49 ug/ml



#12 1-chlorooctadecane (SURR)

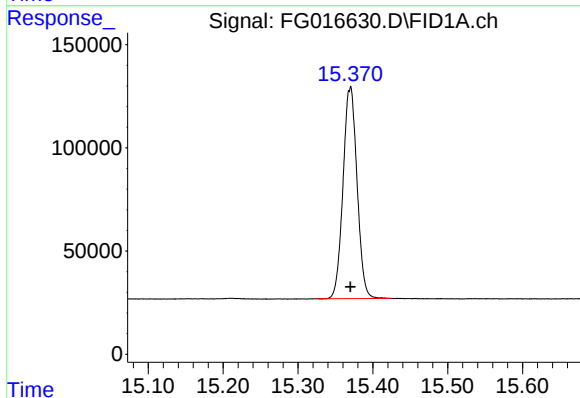
R.T.: 13.502 min
Delta R.T.: 0.000 min
Response: 1157762
Conc: 10.45 ug/ml



#13 n-Docosane (C22)

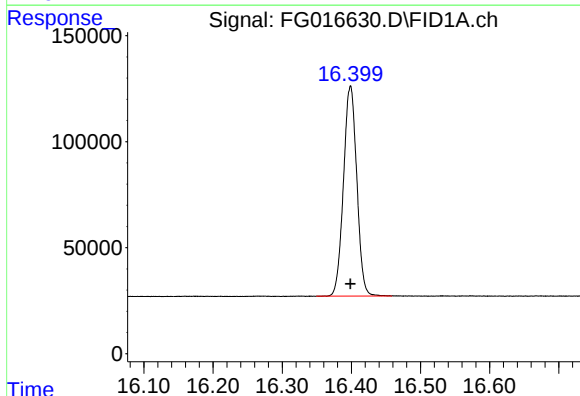
R.T.: 14.259 min
Delta R.T.: 0.000 min
Response: 1321673
Conc: 10.47 ug/ml

Instrument :
FID_G
ClientSampleId :
10 PPM ALIPHATIC HC STD4



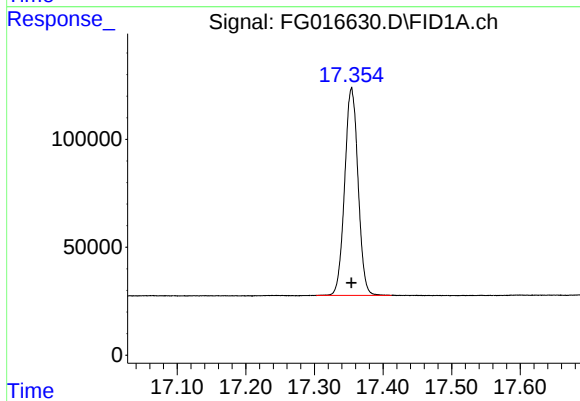
#14 n-Tetracosane (C24)

R.T.: 15.370 min
Delta R.T.: 0.000 min
Response: 1336986
Conc: 10.47 ug/ml



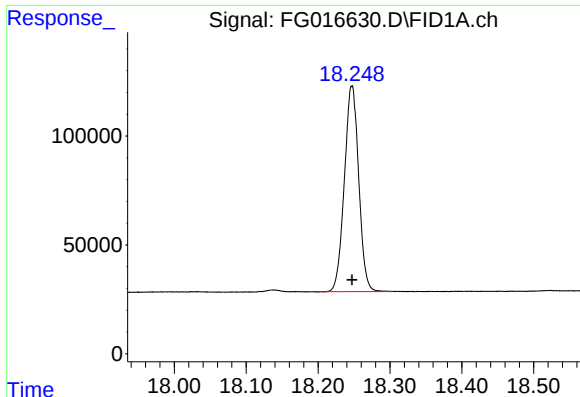
#15 n-Hexacosane (C26)

R.T.: 16.399 min
Delta R.T.: 0.000 min
Response: 1325441
Conc: 10.49 ug/ml



#16 n-Octacosane (C28)

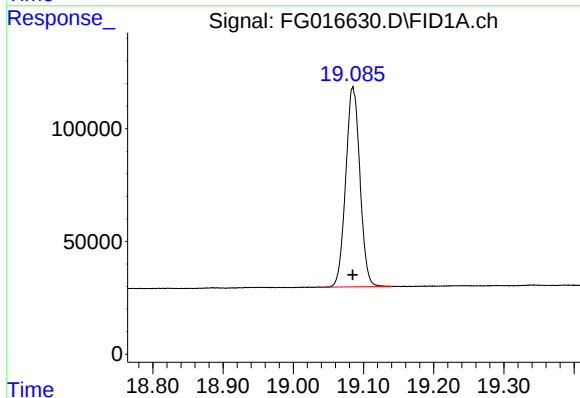
R.T.: 17.354 min
Delta R.T.: 0.000 min
Response: 1301210
Conc: 10.49 ug/ml



#17 n-Tricontane (C30)

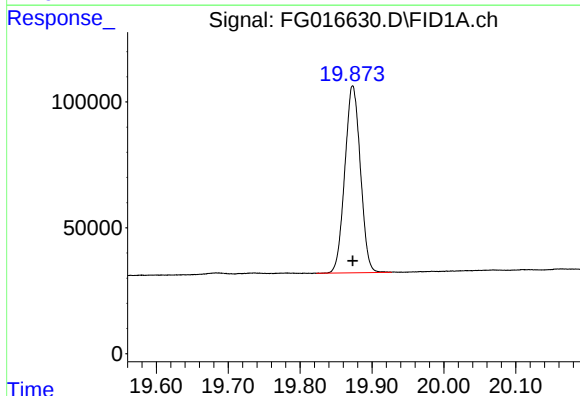
R.T.: 18.247 min
Delta R.T.: 0.000 min
Response: 1309761
Conc: 10.51 ug/ml

Instrument :
FID_G
ClientSampleId :
10 PPM ALIPHATIC HC STD4



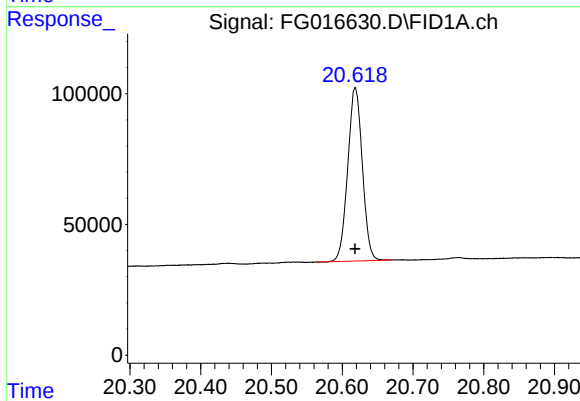
#18 n-Dotriacontane (C32)

R.T.: 19.085 min
Delta R.T.: 0.000 min
Response: 1246476
Conc: 10.53 ug/ml



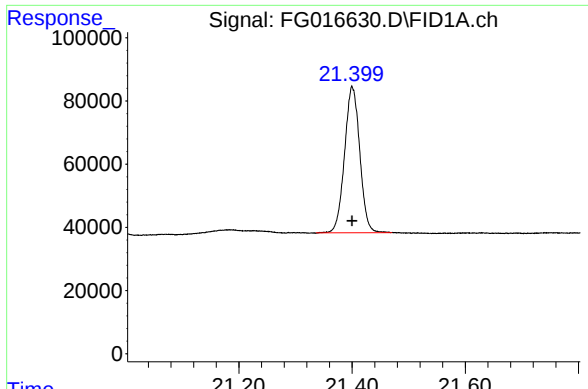
#19 n-Tetratriacontane (C34)

R.T.: 19.873 min
Delta R.T.: 0.000 min
Response: 1114409
Conc: 10.57 ug/ml



#20 n-Hexatriacontane (C36)

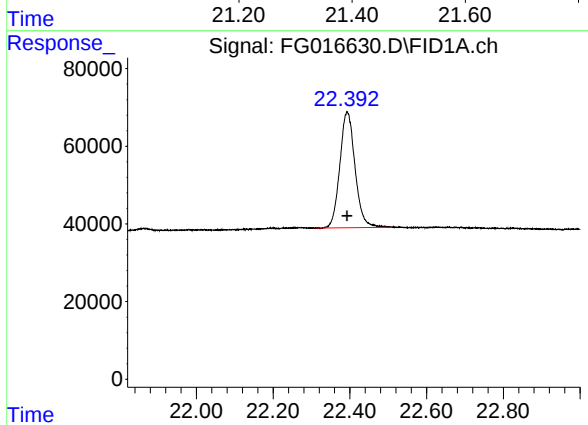
R.T.: 20.618 min
Delta R.T.: 0.000 min
Response: 950327
Conc: 10.65 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.400 min
Delta R.T.: 0.000 min
Response: 864915
Conc: 10.84 ug/ml

Instrument :
FID_G
ClientSampleId :
10 PPM ALIPHATIC HC STD4



#22 n-Tetracontane (C40)

R.T.: 22.393 min
Delta R.T.: 0.000 min
Response: 820694
Conc: 10.96 ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG092425AL\
 Data File : FG016630.D
 Signal(s) : FID1A.ch
 Acq On : 24 Sep 2025 15:28
 Sample : 10 PPM ALIPHATIC HC STD4
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 092425.M
 Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.380	3.339	3.432	BB	117640	1162484	79.45%	4.372%
2	4.640	4.612	4.700	BB	118693	1184621	80.97%	4.455%
3	6.358	6.331	6.448	BB	116559	1244243	85.04%	4.679%
4	6.821	6.788	6.883	BB	118846	1196108	81.75%	4.498%
5	7.461	7.430	7.562	BB	95886	1142771	78.11%	4.298%
6	8.661	8.622	8.746	BB	102358	1199975	82.02%	4.513%
7	10.280	10.240	10.363	BB	102103	1267524	86.63%	4.767%
8	11.733	11.688	11.802	BB	112656	1333319	91.13%	5.014%
9	12.055	12.015	12.118	BB	132258	1463116	100.00%	5.503%
10	13.052	13.011	13.111	BB	109729	1328269	90.78%	4.995%
11	13.502	13.459	13.565	BB	96712	1157762	79.13%	4.354%
12	13.668	13.625	13.723	BB	108749	1317314	90.03%	4.954%
13	14.259	14.216	14.308	BB	105833	1321673	90.33%	4.971%
14	15.370	15.324	15.425	BB	102437	1336986	91.38%	5.028%
15	16.399	16.349	16.458	BB	99306	1325441	90.59%	4.985%
16	17.354	17.303	17.413	BB	96249	1301210	88.93%	4.894%
17	18.247	18.198	18.303	BB	94280	1309761	89.52%	4.926%
18	19.085	19.033	19.140	BB	88746	1246476	85.19%	4.688%
19	19.873	19.823	19.928	BB	74281	1114409	76.17%	4.191%
20	20.618	20.563	20.670	BB	66387	950327	64.95%	3.574%
21	21.400	21.337	21.470	BB	46353	864915	59.11%	3.253%
22	22.393	22.312	22.509	BB	29796	820694	56.09%	3.087%
Sum of corrected areas:						26589398		

Aliphatic EPH 092425.M Thu Sep 25 04:15:50 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG092425AL\
 Data File : FG016631.D
 Signal(s) : FID1A.ch
 Acq On : 24 Sep 2025 15:58
 Operator : YP\AJ
 Sample : 5 PPM ALIPHATIC HC STD5
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 5 PPM ALIPHATIC HC STD5

Integration File: autoint1.e
 Quant Time: Sep 24 16:20:24 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 092425.M
 Quant Title : GC Extractables
 QLast Update : Wed Sep 24 16:19:39 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)	12.055	762580	5.346 ug/ml
Spiked Amount 50.000		Recovery =	10.69%
12) S 1-chlorooctadecane (S...	13.502	605295	5.363 ug/ml
Spiked Amount 50.000		Recovery =	10.73%
Target Compounds			
1) T n-Nonane (C9)	3.379	606671	5.346 ug/ml
2) T n-Decane (C10)	4.640	613414	5.304 ug/ml
3) T A~Naphthalene (C11.7)	6.359	618463	5.016 ug/ml
4) T n-Dodecane (C12)	6.821	618459	5.269 ug/ml
5) T A~2-methylnaphthalene...	7.462	535605	4.630 ug/ml
6) T n-Tetradecane (C14)	8.661	598970	5.105 ug/ml
7) T n-Hexadecane (C16)	10.280	640765	5.171 ug/ml
8) T n-Octadecane (C18)	11.733	697381	5.357 ug/ml
10) T n-Eicosane (C20)	13.051	702619	5.435 ug/ml
11) T n-Heneicosane (C21)	13.668	698486	5.439 ug/ml
13) T n-Docosane (C22)	14.259	699503	5.425 ug/ml
14) T n-Tetracosane (C24)	15.370	706536	5.417 ug/ml
15) T n-Hexacosane (C26)	16.398	699770	5.421 ug/ml
16) T n-Octacosane (C28)	17.355	692578	5.457 ug/ml
17) T n-Tricontane (C30)	18.248	706248	5.520 ug/ml
18) T n-Dotriacontane (C32)	19.086	694705	5.672 ug/ml
19) T n-Tetratriacontane (C34)	19.874	606787	5.586 ug/ml
20) T n-Hexatriacontane (C36)	20.619	487239	5.362 ug/ml
21) T n-Octatriacontane (C38)	21.401	440470	5.408 ug/ml
22) T n-Tetracontane (C40)	22.394	430934	5.586 ug/ml

(f)=RT Delta > 1/2 Window

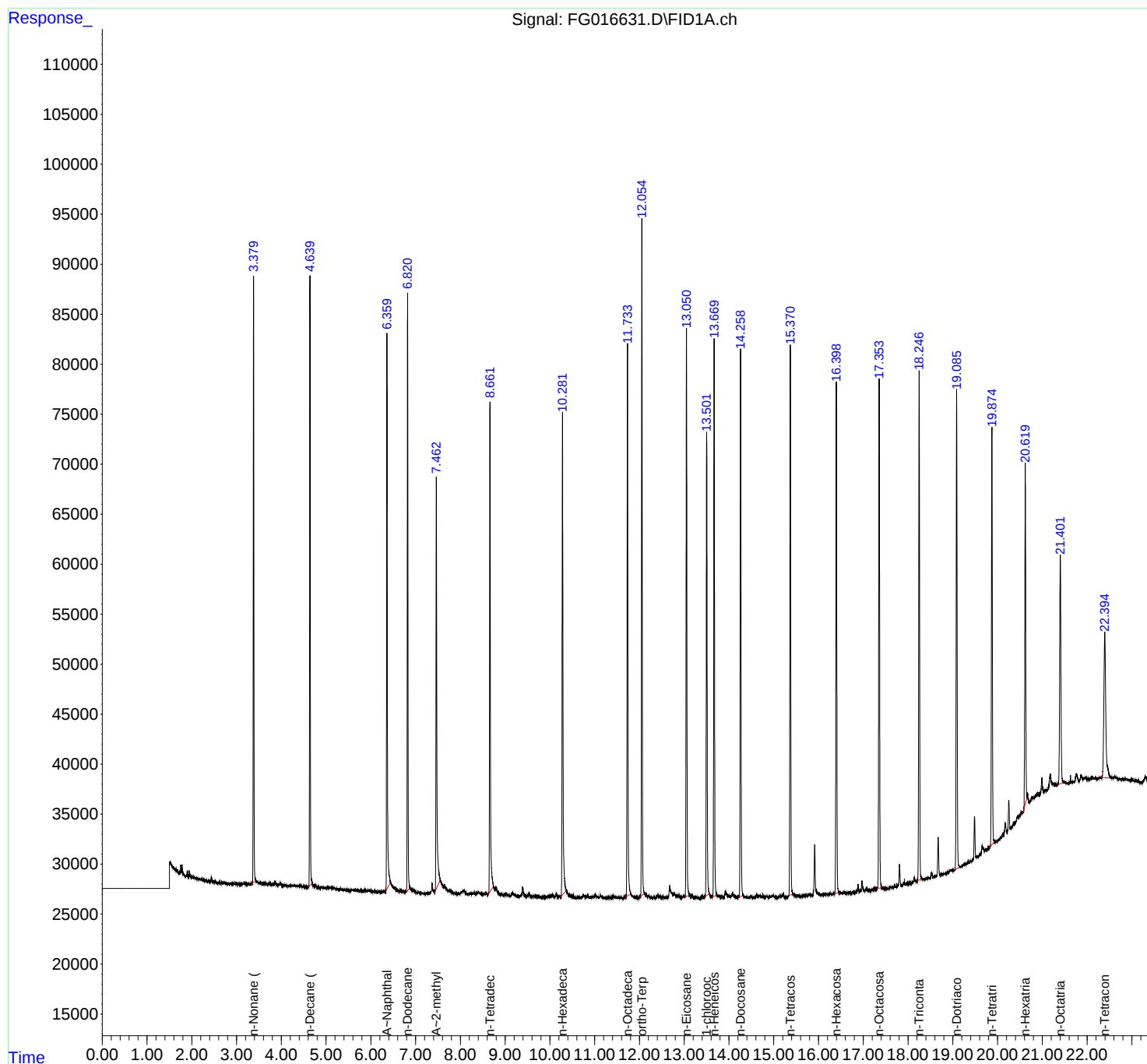
(m)=manual int.

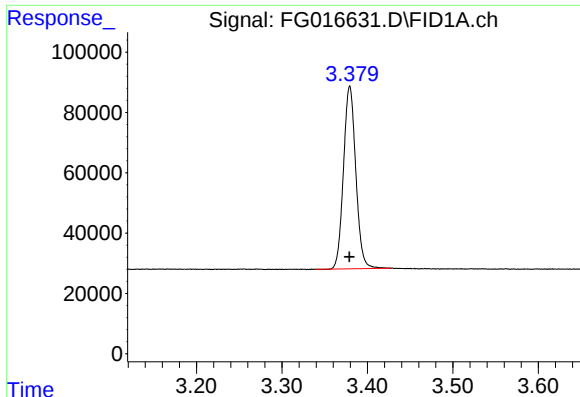
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG092425AL\
Data File : FG016631.D
Signal(s) : FID1A.ch
Acq On : 24 Sep 2025 15:58
Operator : YP\AJ
Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
5 PPM ALIPHATIC HC STD5

Integration File: autoint1.e
Quant Time: Sep 24 16:20:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 092425.M
Quant Title : GC Extractables
QLast Update : Wed Sep 24 16:19:39 2025
Response via : Initial Calibration
Integrator: ChemStation

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

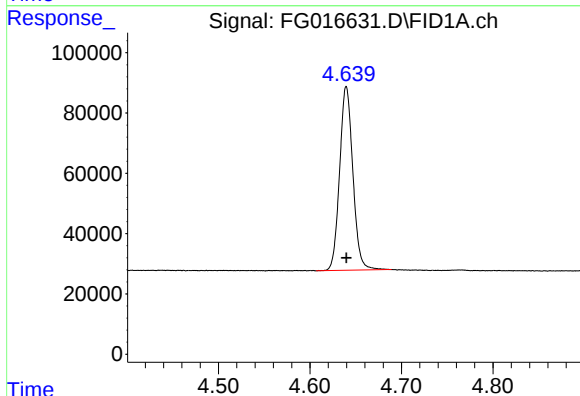




#1 n-Nonane (C9)

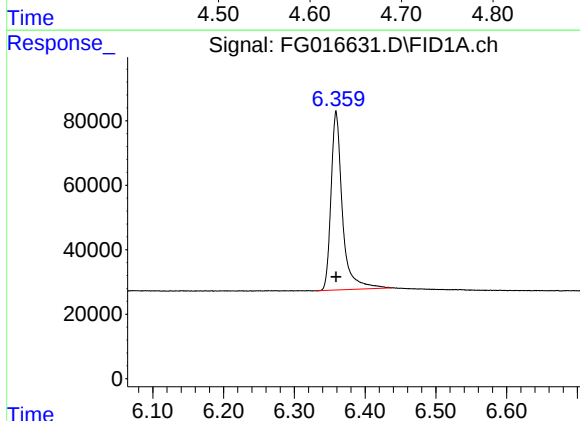
R.T.: 3.379 min
Delta R.T.: 0.000 min
Response: 606671
Conc: 5.35 ug/ml

Instrument :
FID_G
ClientSampleId :
5 PPM ALIPHATIC HC STD5



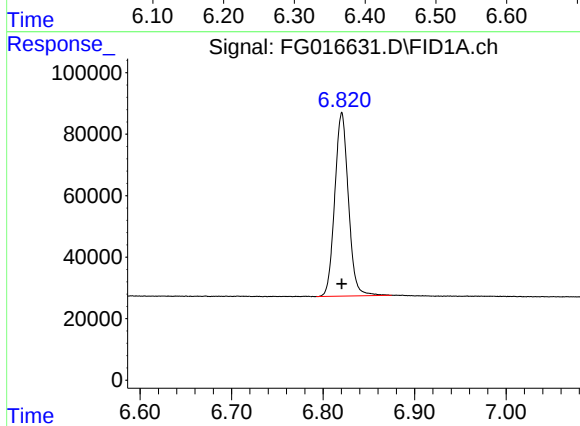
#2 n-Decane (C10)

R.T.: 4.640 min
Delta R.T.: 0.000 min
Response: 613414
Conc: 5.30 ug/ml



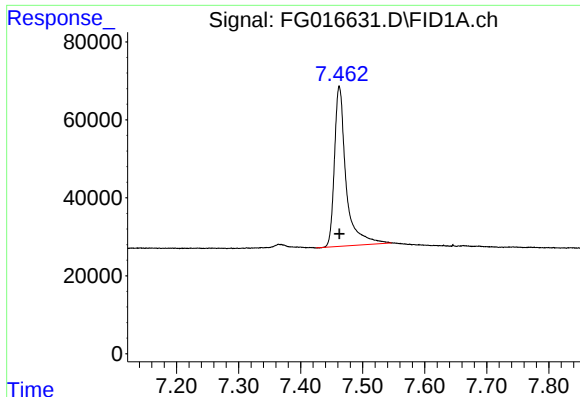
#3 A~Naphthalene (C11.7)

R.T.: 6.359 min
Delta R.T.: 0.000 min
Response: 618463
Conc: 5.02 ug/ml



#4 n-Dodecane (C12)

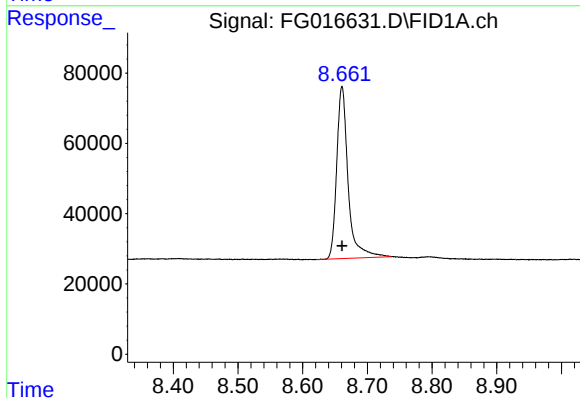
R.T.: 6.821 min
Delta R.T.: 0.000 min
Response: 618459
Conc: 5.27 ug/ml



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

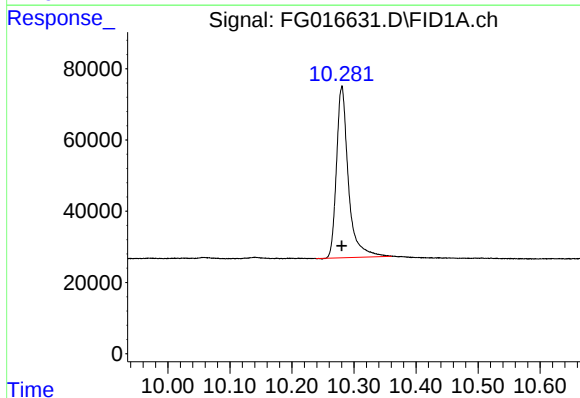
R.T.: 7.462 min
Delta R.T.: 0.000 min
Response: 535605
Conc: 4.63 ug/ml

Instrument :
FID_G
ClientSampleId :
5 PPM ALIPHATIC HC STD5



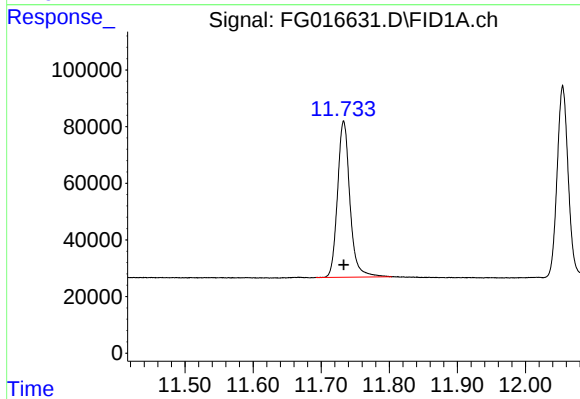
#6 n-Tetradecane (C14)

R.T.: 8.661 min
Delta R.T.: 0.000 min
Response: 598970
Conc: 5.11 ug/ml



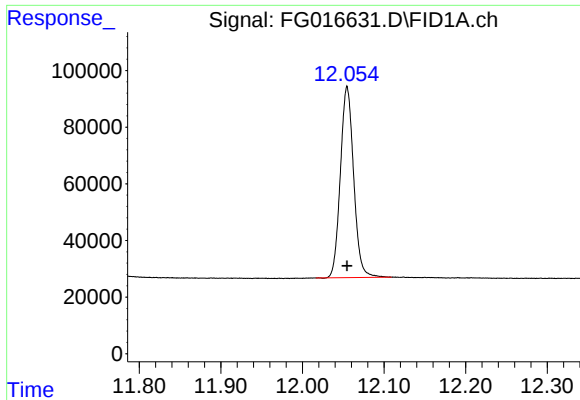
#7 n-Hexadecane (C16)

R.T.: 10.280 min
Delta R.T.: 0.000 min
Response: 640765
Conc: 5.17 ug/ml



#8 n-Octadecane (C18)

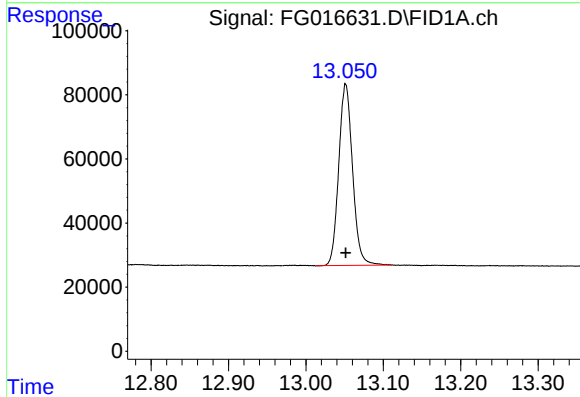
R.T.: 11.733 min
Delta R.T.: 0.000 min
Response: 697381
Conc: 5.36 ug/ml



#9 ortho-Terphenyl (SURR)

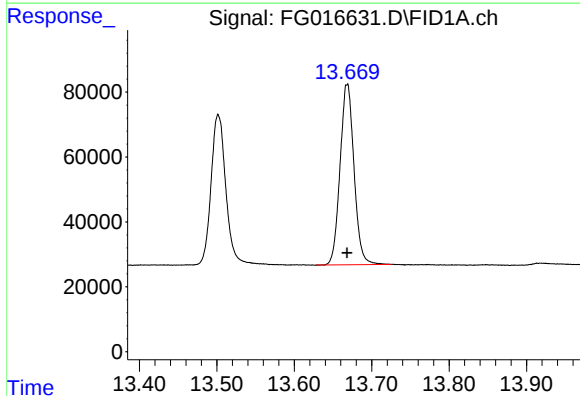
R.T.: 12.055 min
Delta R.T.: 0.000 min
Response: 762580
Conc: 5.35 ug/ml

Instrument :
FID_G
ClientSampleId :
5 PPM ALIPHATIC HC STD5



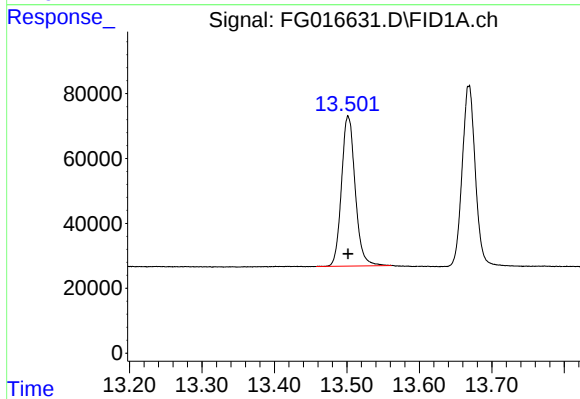
#10 n-Eicosane (C20)

R.T.: 13.051 min
Delta R.T.: 0.000 min
Response: 702619
Conc: 5.44 ug/ml



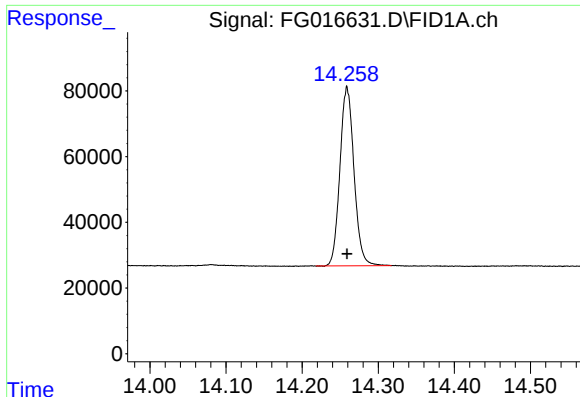
#11 n-Heneicosane (C21)

R.T.: 13.668 min
Delta R.T.: 0.000 min
Response: 698486
Conc: 5.44 ug/ml



#12 1-chlorooctadecane (SURR)

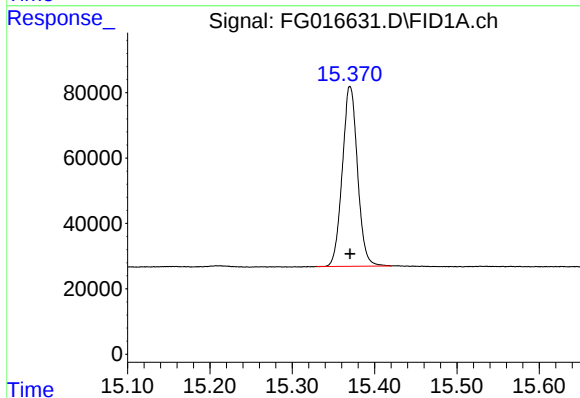
R.T.: 13.502 min
Delta R.T.: 0.000 min
Response: 605295
Conc: 5.36 ug/ml



#13 n-Docosane (C22)

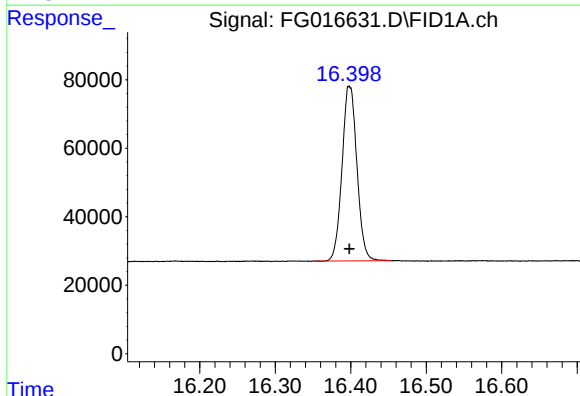
R.T.: 14.259 min
Delta R.T.: 0.000 min
Response: 699503
Conc: 5.42 ug/ml

Instrument :
FID_G
ClientSampleId :
5 PPM ALIPHATIC HC STD5



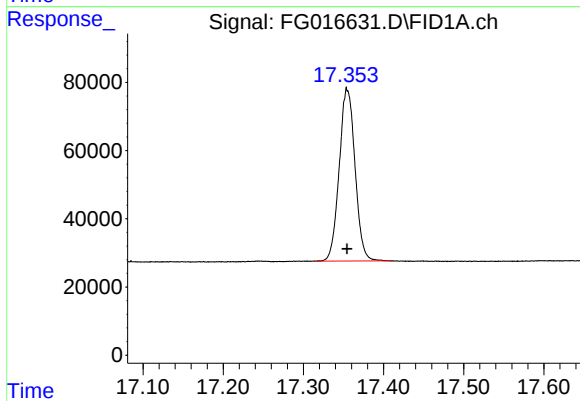
#14 n-Tetracosane (C24)

R.T.: 15.370 min
Delta R.T.: 0.000 min
Response: 706536
Conc: 5.42 ug/ml



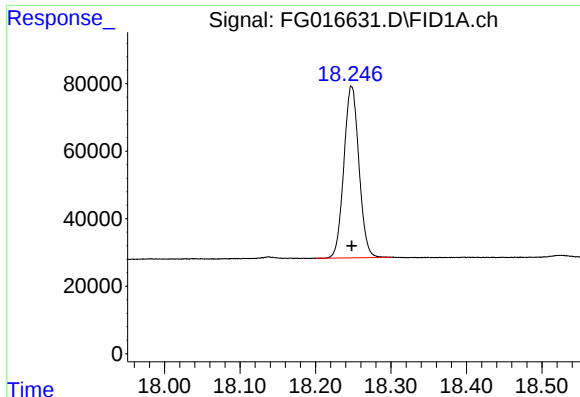
#15 n-Hexacosane (C26)

R.T.: 16.398 min
Delta R.T.: 0.000 min
Response: 699770
Conc: 5.42 ug/ml



#16 n-Octacosane (C28)

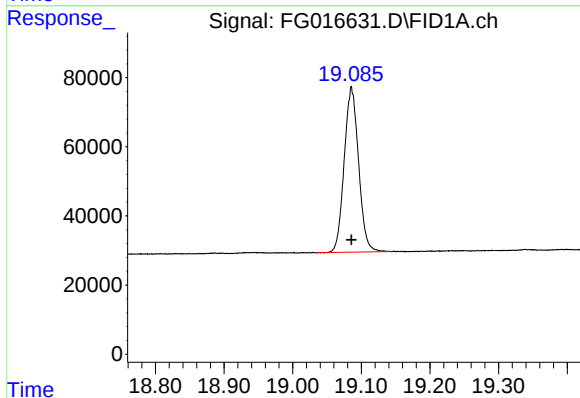
R.T.: 17.355 min
Delta R.T.: 0.000 min
Response: 692578
Conc: 5.46 ug/ml



#17 n-Tricontane (C30)

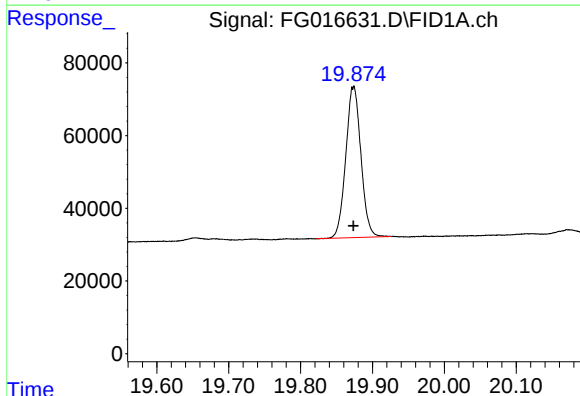
R.T.: 18.248 min
Delta R.T.: 0.000 min
Response: 706248
Conc: 5.52 ug/ml

Instrument :
FID_G
ClientSampleId :
5 PPM ALIPHATIC HC STD5



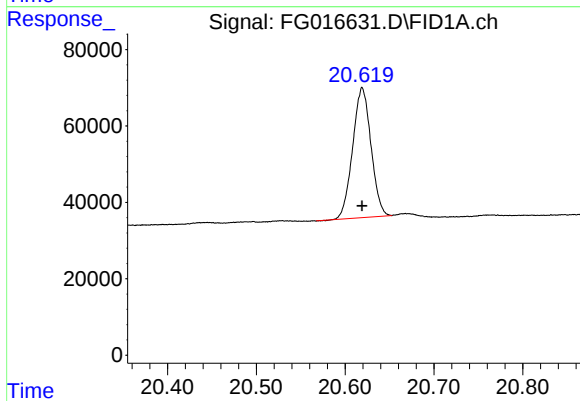
#18 n-Dotriacontane (C32)

R.T.: 19.086 min
Delta R.T.: 0.000 min
Response: 694705
Conc: 5.67 ug/ml



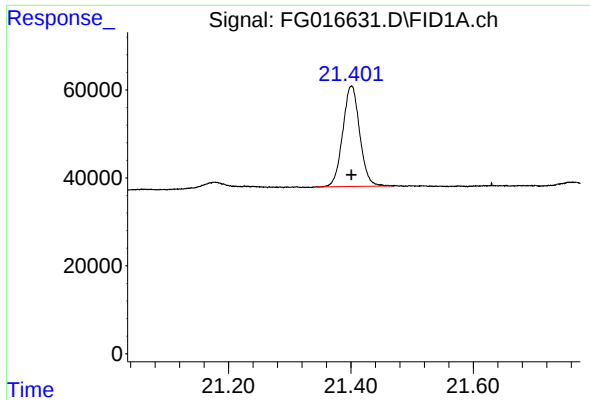
#19 n-Tetratriacontane (C34)

R.T.: 19.874 min
Delta R.T.: 0.000 min
Response: 606787
Conc: 5.59 ug/ml



#20 n-Hexatriacontane (C36)

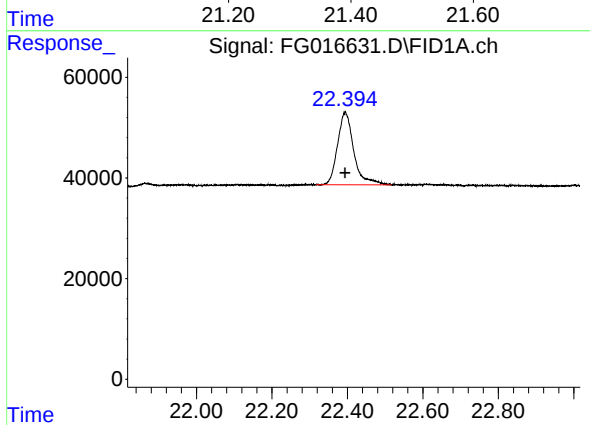
R.T.: 20.619 min
Delta R.T.: 0.000 min
Response: 487239
Conc: 5.36 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.401 min
Delta R.T.: 0.000 min
Response: 440470
Conc: 5.41 ug/ml

Instrument :
FID_G
ClientSampleId :
5 PPM ALIPHATIC HC STD5



#22 n-Tetracontane (C40)

R.T.: 22.394 min
Delta R.T.: 0.000 min
Response: 430934
Conc: 5.59 ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG092425AL\
 Data File : FG016631.D
 Signal(s) : FID1A.ch
 Acq On : 24 Sep 2025 15:58
 Sample : 5 PPM ALIPHATIC HC STD5
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 092425.M
 Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.379	3.340	3.428	BB	60642	606671	79.56%	4.376%
2	4.640	4.607	4.689	BB	60984	613414	80.44%	4.425%
3	6.359	6.331	6.438	BB	55370	618463	81.10%	4.461%
4	6.821	6.793	6.875	BB	59862	618459	81.10%	4.461%
5	7.462	7.425	7.547	BB	41057	535605	70.24%	3.863%
6	8.661	8.621	8.738	BB	48990	598970	78.55%	4.320%
7	10.280	10.239	10.361	BB	48339	640765	84.03%	4.622%
8	11.733	11.693	11.803	BB	55216	697381	91.45%	5.030%
9	12.055	12.017	12.109	BB	67606	762580	100.00%	5.501%
10	13.051	13.013	13.111	BB	56382	702619	92.14%	5.068%
11	13.502	13.458	13.562	BB	46321	605295	79.37%	4.366%
12	13.668	13.628	13.726	BB	55450	698486	91.60%	5.038%
13	14.259	14.218	14.318	BB	54602	699503	91.73%	5.046%
14	15.370	15.329	15.421	BB	54964	706536	92.65%	5.096%
15	16.398	16.354	16.454	BB	51097	699770	91.76%	5.048%
16	17.355	17.316	17.410	BB	49786	692578	90.82%	4.996%
17	18.248	18.201	18.301	BB	50736	706248	92.61%	5.094%
18	19.086	19.034	19.144	BB	47826	694705	91.10%	5.011%
19	19.874	19.822	19.927	BB	41204	606787	79.57%	4.377%
20	20.619	20.568	20.653	BV	34087	487239	63.89%	3.515%
21	21.401	21.343	21.467	BB	22869	440470	57.76%	3.177%
22	22.394	22.317	22.517	BB	14572	430934	56.51%	3.108%
Sum of corrected areas:						13863477		

Aliphatic EPH 092425.M Thu Sep 25 04:16:46 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG092425AL\
 Data File : FG016632.D
 Signal(s) : FID1A.ch
 Acq On : 24 Sep 2025 16:28
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD ICV
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 20 PPM ALIPHATIC HC STD ICV

Integration File: autoint1.e
 Quant Time: Sep 24 16:37:09 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 092425.M
 Quant Title : GC Extractables
 QLast Update : Wed Sep 24 16:20:58 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)	12.057	2817681	19.755 ug/ml
Spiked Amount 50.000		Recovery =	39.51%
12) S 1-chlorooctadecane (S...	13.502	2240344	19.848 ug/ml
Spiked Amount 50.000		Recovery =	39.70%
Target Compounds			
1) T n-Nonane (C9)	3.380	2232664	19.674 ug/ml
2) T n-Decane (C10)	4.640	2275953	19.679 ug/ml
3) T A~Naphthalene (C11.7)	6.358	2447786	19.853 ug/ml
4) T n-Dodecane (C12)	6.821	2310492	19.684 ug/ml
5) T A~2-methylnaphthalene...	7.461	2342091	20.247 ug/ml
6) T n-Tetradecane (C14)	8.661	2341137	19.955 ug/ml
7) T n-Hexadecane (C16)	10.280	2476808	19.990 ug/ml
8) T n-Octadecane (C18)	11.734	2588745	19.886 ug/ml
10) T n-Eicosane (C20)	13.052	2566701	19.855 ug/ml
11) T n-Heneicosane (C21)	13.669	2545416	19.822 ug/ml
13) T n-Docosane (C22)	14.259	2554929	19.814 ug/ml
14) T n-Tetracosane (C24)	15.371	2589279	19.853 ug/ml
15) T n-Hexacosane (C26)	16.398	2565593	19.875 ug/ml
16) T n-Octacosane (C28)	17.356	2535026	19.976 ug/ml
17) T n-Tricontane (C30)	18.248	2616805	20.451 ug/ml
18) T n-Dotriacontane (C32)	19.086	2540356	20.742 ug/ml
19) T n-Tetratriacontane (C34)	19.875	2237978	20.601 ug/ml
20) T n-Hexatriacontane (C36)	20.619	1831577	20.156 ug/ml
21) T n-Octatriacontane (C38)	21.398	1591995	19.548 ug/ml
22) T n-Tetracontane (C40)	22.393	1450457	18.803 ug/ml

(f)=RT Delta > 1/2 Window

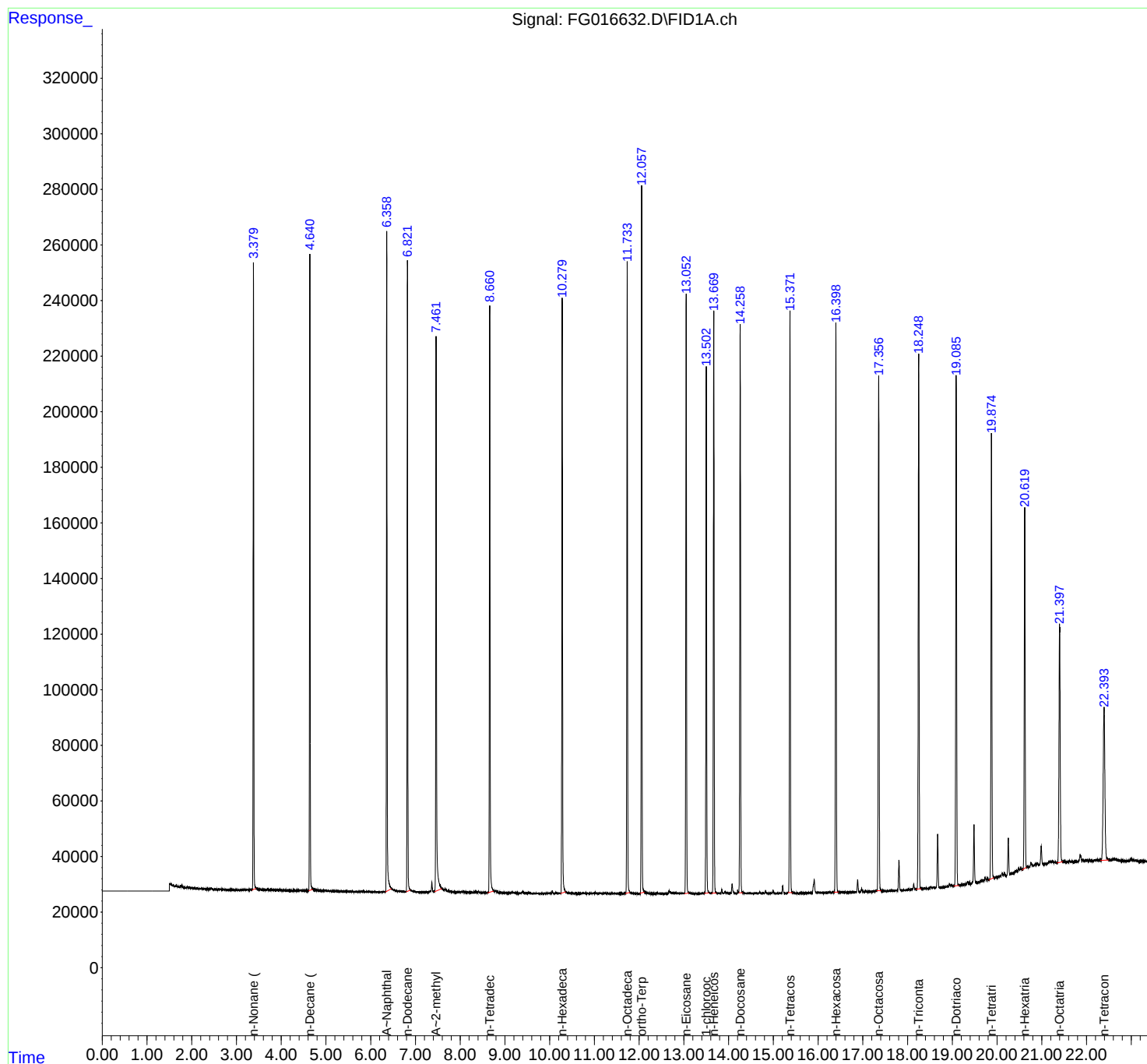
(m)=manual int.

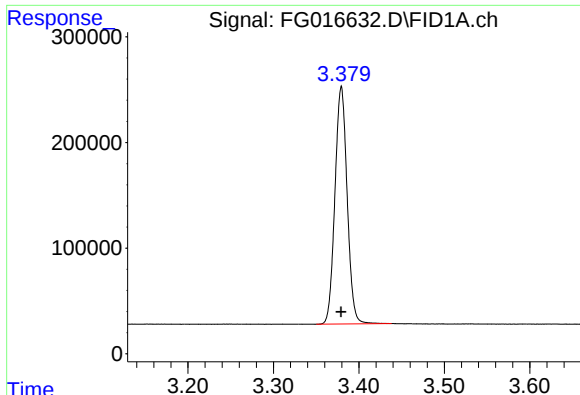
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG092425AL\
Data File : FG016632.D
Signal(s) : FID1A.ch
Acq On : 24 Sep 2025 16:28
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD ICV
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV

Integration File: autoint1.e
Quant Time: Sep 24 16:37:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 092425.M
Quant Title : GC Extractables
QLast Update : Wed Sep 24 16:20:58 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)

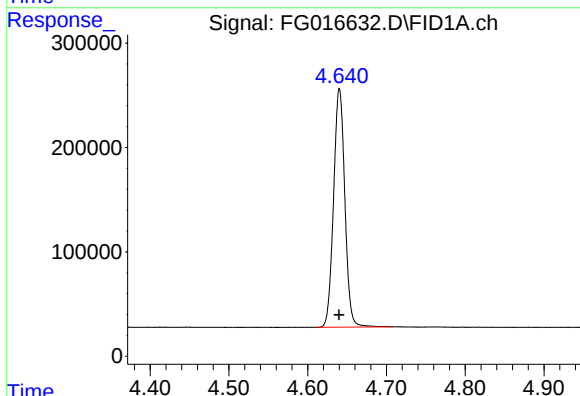
R.T.: 3.380 min
Delta R.T.: 0.000 min
Response: 2232664
Conc: 19.67 ug/ml

Instrument :

FID_G

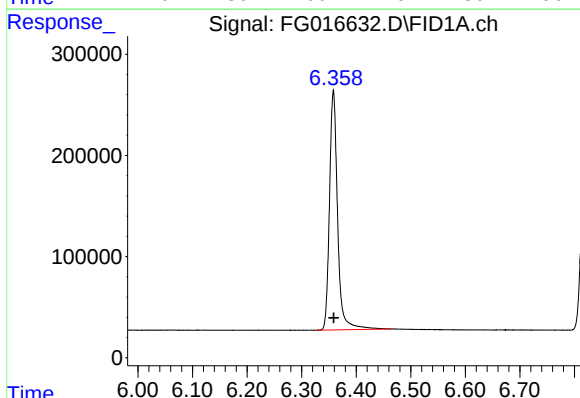
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



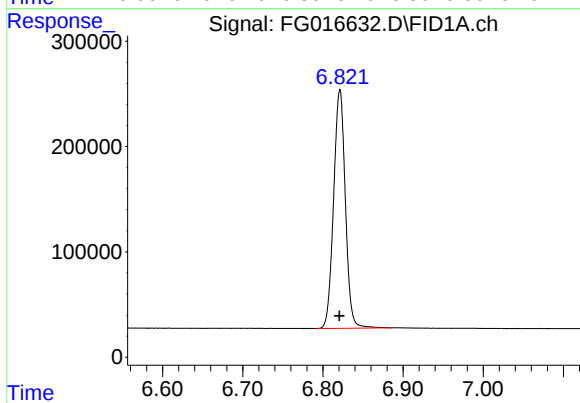
#2 n-Decane (C10)

R.T.: 4.640 min
Delta R.T.: 0.000 min
Response: 2275953
Conc: 19.68 ug/ml



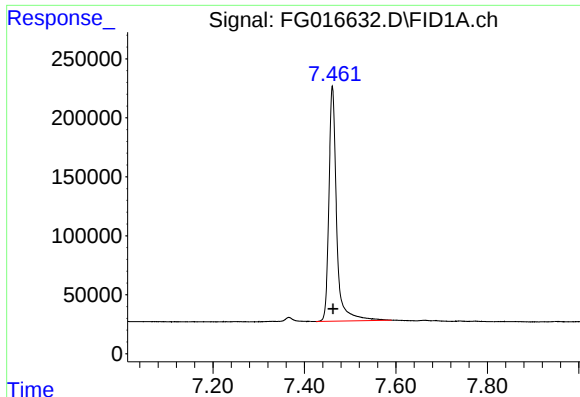
#3 A~Naphthalene (C11.7)

R.T.: 6.358 min
Delta R.T.: 0.000 min
Response: 2447786
Conc: 19.85 ug/ml



#4 n-Dodecane (C12)

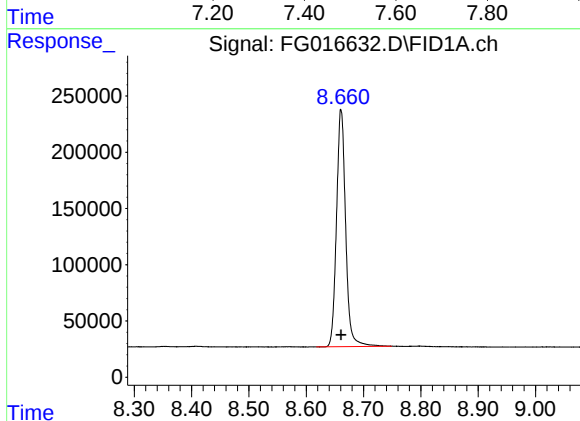
R.T.: 6.821 min
Delta R.T.: 0.000 min
Response: 2310492
Conc: 19.68 ug/ml



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

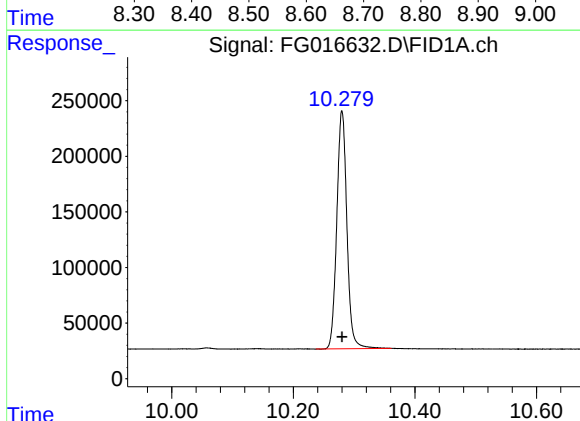
R.T.: 7.461 min
Delta R.T.: -0.001 min
Response: 2342091
Conc: 20.25 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



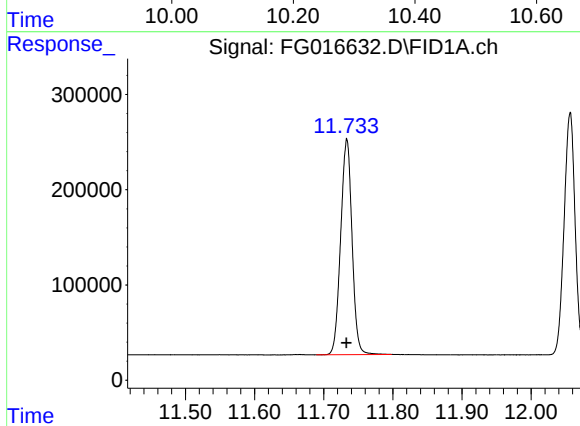
#6 n-Tetradecane (C14)

R.T.: 8.661 min
Delta R.T.: 0.000 min
Response: 2341137
Conc: 19.95 ug/ml



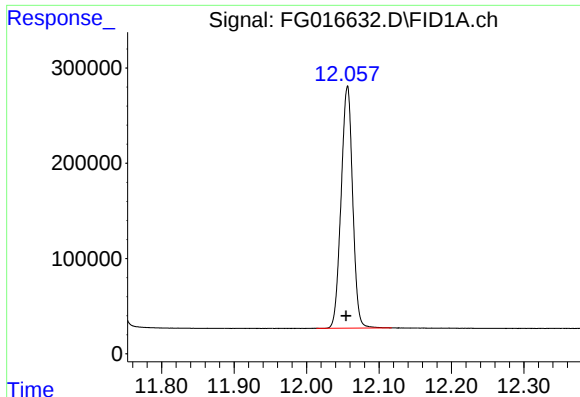
#7 n-Hexadecane (C16)

R.T.: 10.280 min
Delta R.T.: 0.000 min
Response: 2476808
Conc: 19.99 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.734 min
Delta R.T.: 0.000 min
Response: 2588745
Conc: 19.89 ug/ml



#9 ortho-Terphenyl (SURR)

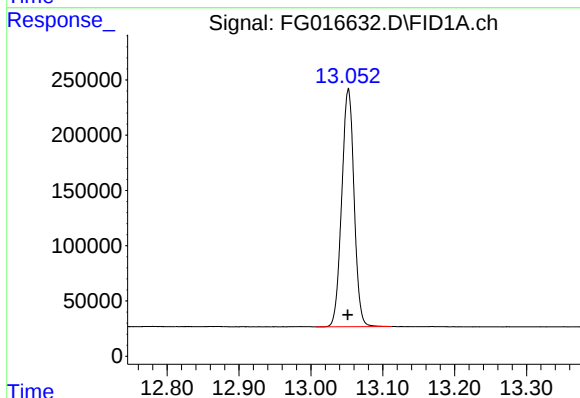
R.T.: 12.057 min
Delta R.T.: 0.002 min
Response: 2817681
Conc: 19.75 ug/ml

Instrument :

FID_G

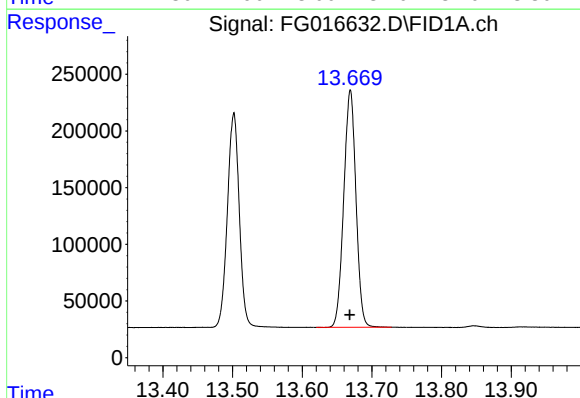
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



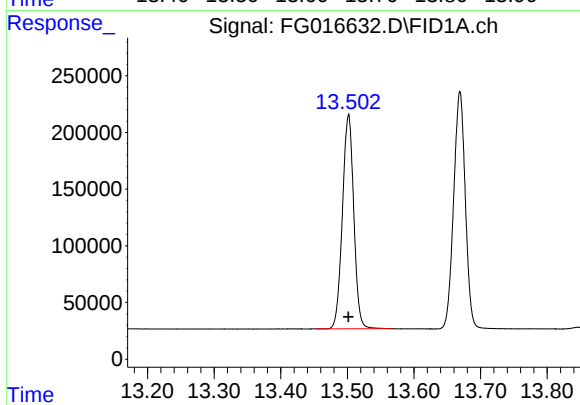
#10 n-Eicosane (C20)

R.T.: 13.052 min
Delta R.T.: 0.000 min
Response: 2566701
Conc: 19.85 ug/ml



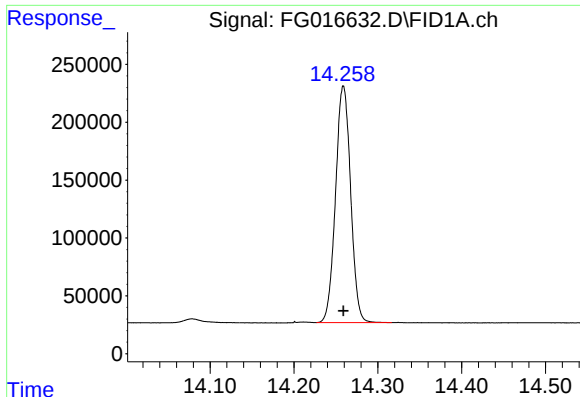
#11 n-Heneicosane (C21)

R.T.: 13.669 min
Delta R.T.: 0.000 min
Response: 2545416
Conc: 19.82 ug/ml



#12 1-chlorooctadecane (SURR)

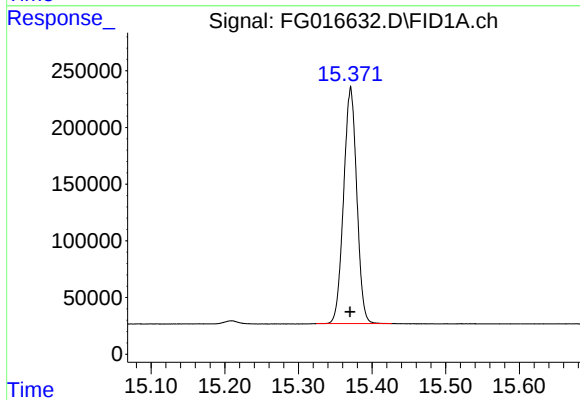
R.T.: 13.502 min
Delta R.T.: 0.000 min
Response: 2240344
Conc: 19.85 ug/ml



#13 n-Docosane (C22)

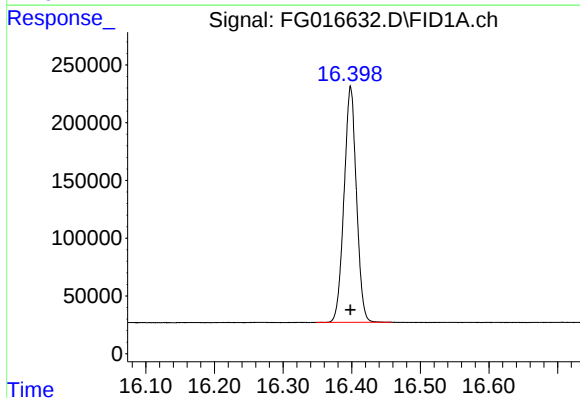
R.T.: 14.259 min
Delta R.T.: 0.000 min
Response: 2554929
Conc: 19.81 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



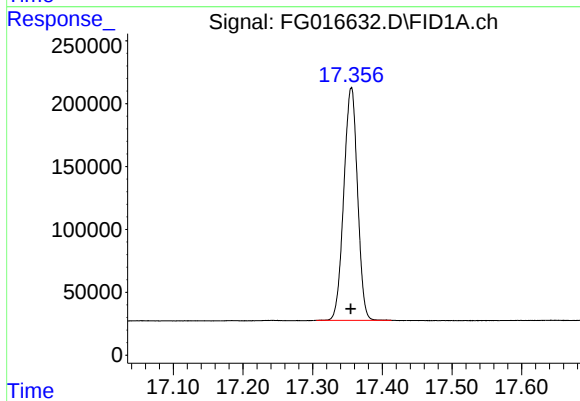
#14 n-Tetracosane (C24)

R.T.: 15.371 min
Delta R.T.: 0.000 min
Response: 2589279
Conc: 19.85 ug/ml



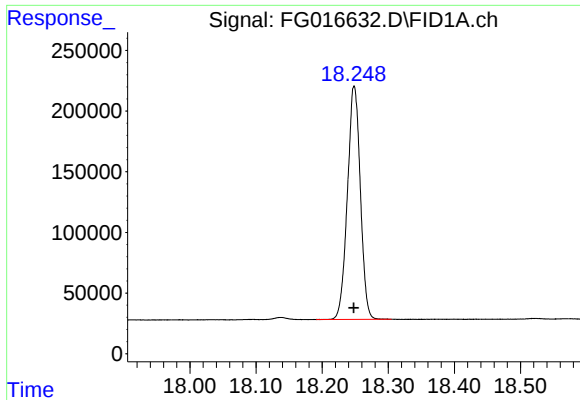
#15 n-Hexacosane (C26)

R.T.: 16.398 min
Delta R.T.: 0.000 min
Response: 2565593
Conc: 19.87 ug/ml



#16 n-Octacosane (C28)

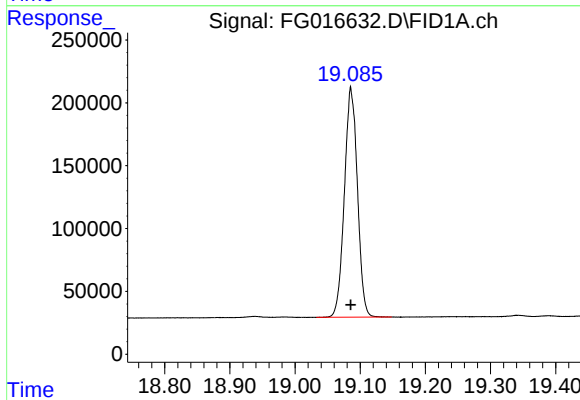
R.T.: 17.356 min
Delta R.T.: 0.000 min
Response: 2535026
Conc: 19.98 ug/ml



#17 n-Tricontane (C30)

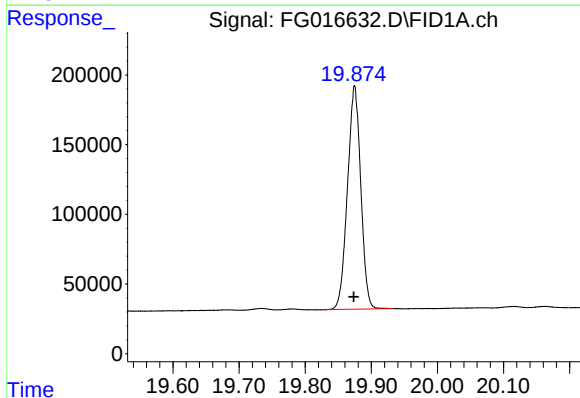
R.T.: 18.248 min
Delta R.T.: 0.000 min
Response: 2616805
Conc: 20.45 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



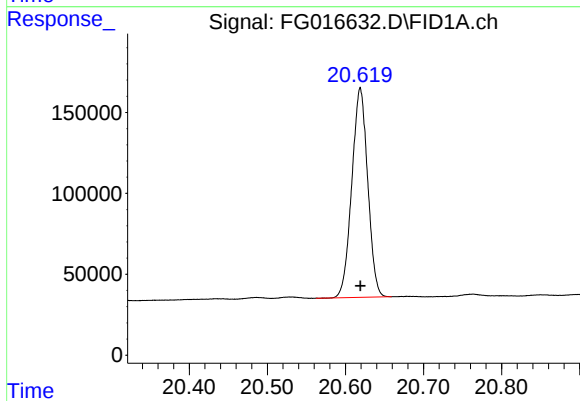
#18 n-Dotriacontane (C32)

R.T.: 19.086 min
Delta R.T.: 0.000 min
Response: 2540356
Conc: 20.74 ug/ml



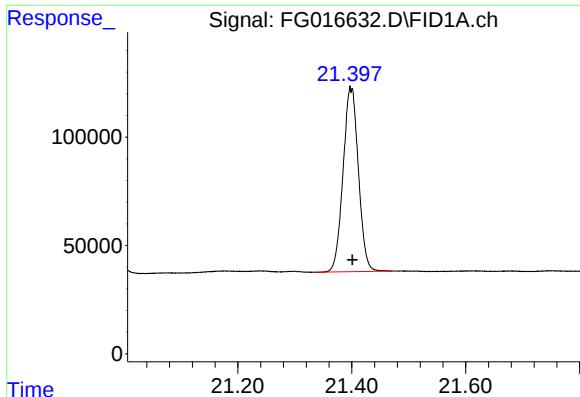
#19 n-Tetratriacontane (C34)

R.T.: 19.875 min
Delta R.T.: 0.001 min
Response: 2237978
Conc: 20.60 ug/ml



#20 n-Hexatriacontane (C36)

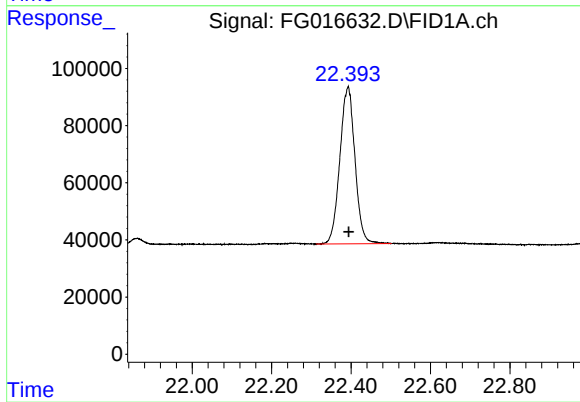
R.T.: 20.619 min
Delta R.T.: 0.000 min
Response: 1831577
Conc: 20.16 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.398 min
Delta R.T.: -0.003 min
Response: 1591995
Conc: 19.55 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



#22 n-Tetracontane (C40)

R.T.: 22.393 min
Delta R.T.: -0.002 min
Response: 1450457
Conc: 18.80 ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG092425AL\
 Data File : FG016632.D
 Signal(s) : FID1A.ch
 Acq On : 24 Sep 2025 16:28
 Sample : 20 PPM ALIPHATIC HC STD ICV
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 092425.M
 Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.380	3.350	3.438	BB	224891	2232664	79.24%	4.319%
2	4.640	4.611	4.707	BB	228909	2275953	80.77%	4.402%
3	6.358	6.327	6.465	BB	237186	2447786	86.87%	4.735%
4	6.821	6.792	6.886	BB	227212	2310492	82.00%	4.469%
5	7.461	7.426	7.591	BB	199214	2342091	83.12%	4.530%
6	8.661	8.617	8.749	BB	210220	2341137	83.09%	4.528%
7	10.280	10.238	10.362	BB	213906	2476808	87.90%	4.791%
8	11.734	11.689	11.798	BB	226951	2588745	91.88%	5.007%
9	12.057	12.013	12.118	BB	254467	2817681	100.00%	5.450%
10	13.052	13.008	13.113	BB	215867	2566701	91.09%	4.965%
11	13.502	13.453	13.567	BB	188794	2240344	79.51%	4.333%
12	13.669	13.620	13.728	BB	209523	2545416	90.34%	4.923%
13	14.259	14.227	14.317	BB	204530	2554929	90.67%	4.942%
14	15.371	15.324	15.427	BB	208854	2589279	91.89%	5.008%
15	16.398	16.348	16.458	BB	204266	2565593	91.05%	4.962%
16	17.356	17.305	17.413	BB	185179	2535026	89.97%	4.903%
17	18.248	18.191	18.305	BB	192389	2616805	92.87%	5.062%
18	19.086	19.033	19.148	BB	182253	2540356	90.16%	4.914%
19	19.875	19.817	19.931	BB	160319	2237978	79.43%	4.329%
20	20.619	20.563	20.659	BB	129752	1831577	65.00%	3.543%
21	21.398	21.338	21.470	BB	84725	1591995	56.50%	3.079%
22	22.393	22.312	22.502	BB	54879	1450457	51.48%	2.806%
Sum of corrected areas:							51699811	

Aliphatic EPH 092425.M Thu Sep 25 04:21:30 2025