

Initial Calibration Report for SequenceID : FC071525AL

AreaCount

Parameter Range	FC069448.D	FC069449.D	FC069450.D	FC069451.D	FC069452.D	
Aliphatic C9-C12	40045369.000	19347816.000	8027560.000	4373179.000	2294433.000	
Aliphatic C12-C16	27682150.000	13377176.000	5535957.000	3031800.000	1581956.000	
Aliphatic C16-C21	39110534.000	19006400.000	7808775.000	4286297.000	2248262.000	
Aliphatic C21-C28	45569666.000	22124549.000	9106701.000	5004692.000	2628946.000	
Aliphatic C28-C40	50207637.000	24374390.000	10318570.000	5685866.000	3112078.000	
Aliphatic EPH	202615356.000	98230331.000	40797563.000	22381834.000	11865675.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aliphatic C9-C12	138999.5006664	7.182				
Aliphatic C12-C16	144073.407	7.166				
Aliphatic C16-C21	135996.9459996	7.282				
Aliphatic C21-C28	118989.0545	7.458				
Aliphatic C28-C40	89883.162333	10.317				
Aliphatic EPH	118243.9636662	8.038				

Concentration

Parameter Range	FC069448.D	FC069449.D	FC069450.D	FC069451.D	FC069452.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	FC069448.D	FC069449.D	FC069450.D	FC069451.D	FC069452.D	
Aliphatic C9-C12	133484.563333	128985.440000	133792.666666	145772.633333	152962.200000	
Aliphatic C12-C16	138410.750000	133771.760000	138398.925000	151590.000000	158195.600000	
Aliphatic C16-C21	130368.446666	126709.333333	130146.250000	142876.566666	149884.133333	

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Aliphatic C21-C28	113924.165000	110622.745000	113833.762500	125117.300000	131447.300000	
Aliphatic C28-C40	83679.395000	81247.966666	85988.083333	94764.433333	103735.933333	
Aliphatic EPH	112564.086666	109144.812222	113326.563888	124343.522222	131840.833333	

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC071525AL\
 Data File : FC069448.D
 Signal(s) : FID1A.ch
 Acq On : 15 Jul 2025 09:05
 Operator : YP/AJ
 Sample : 100 PPM ALIPHATIC HC STD1
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 100 PPM ALIPHATIC HC STD1

Integration File: autoint1.e
 Quant Time: Jul 15 10:58:44 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 071525.M
 Quant Title : GC Extractables
 QLast Update : Tue Jul 15 10:56:36 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)	11.679	14279406	100.233 ug/ml
Spiked Amount 50.000		Recovery =	200.47%
12) S 1-chlorooctadecane (S...	13.112	10923644	100.498 ug/ml
Spiked Amount 50.000		Recovery =	201.00%
Target Compounds			
1) T n-Nonane (C9)	3.407	13034330	99.691 ug/ml
2) T n-Decane (C10)	4.481	13354937	99.821 ug/ml
3) T A~Naphthalene (C11.7)	6.076	14466197	99.631 ug/ml
4) T n-Dodecane (C12)	6.506	13656102	100.133 ug/ml
5) T A~2-methylnaphthalene...	7.136	14050606	100.045 ug/ml
6) T n-Tetradecane (C14)	8.305	13682478	99.985 ug/ml
7) T n-Hexadecane (C16)	9.910	13999672	100.023 ug/ml
8) T n-Octadecane (C18)	11.356	13791460	99.999 ug/ml
10) T n-Eicosane (C20)	12.666	12862062	100.092 ug/ml
11) T n-Heneicosane (C21)	13.279	12457012	100.174 ug/ml
13) T n-Docosane (C22)	13.866	12185301	100.145 ug/ml
14) T n-Tetracosane (C24)	14.970	11718968	100.145 ug/ml
15) T n-Hexacosane (C26)	15.993	11141729	100.143 ug/ml
16) T n-Octacosane (C28)	16.944	10523668	99.693 ug/ml
17) T n-Tricontane (C30)	17.833	10222229	98.980 ug/ml
18) T n-Dotriacontane (C32)	18.666	9560238	98.467 ug/ml
19) T n-Tetratriacontane (C34)	19.449	8724728	98.453 ug/ml
20) T n-Hexatriacontane (C36)	20.191	7686807	98.499 ug/ml
21) T n-Octatriacontane (C38)	20.955	7121260	98.702 ug/ml
22) T n-Tetracontane (C40)	21.921	6892375	98.702 ug/ml

(f)=RT Delta > 1/2 Window

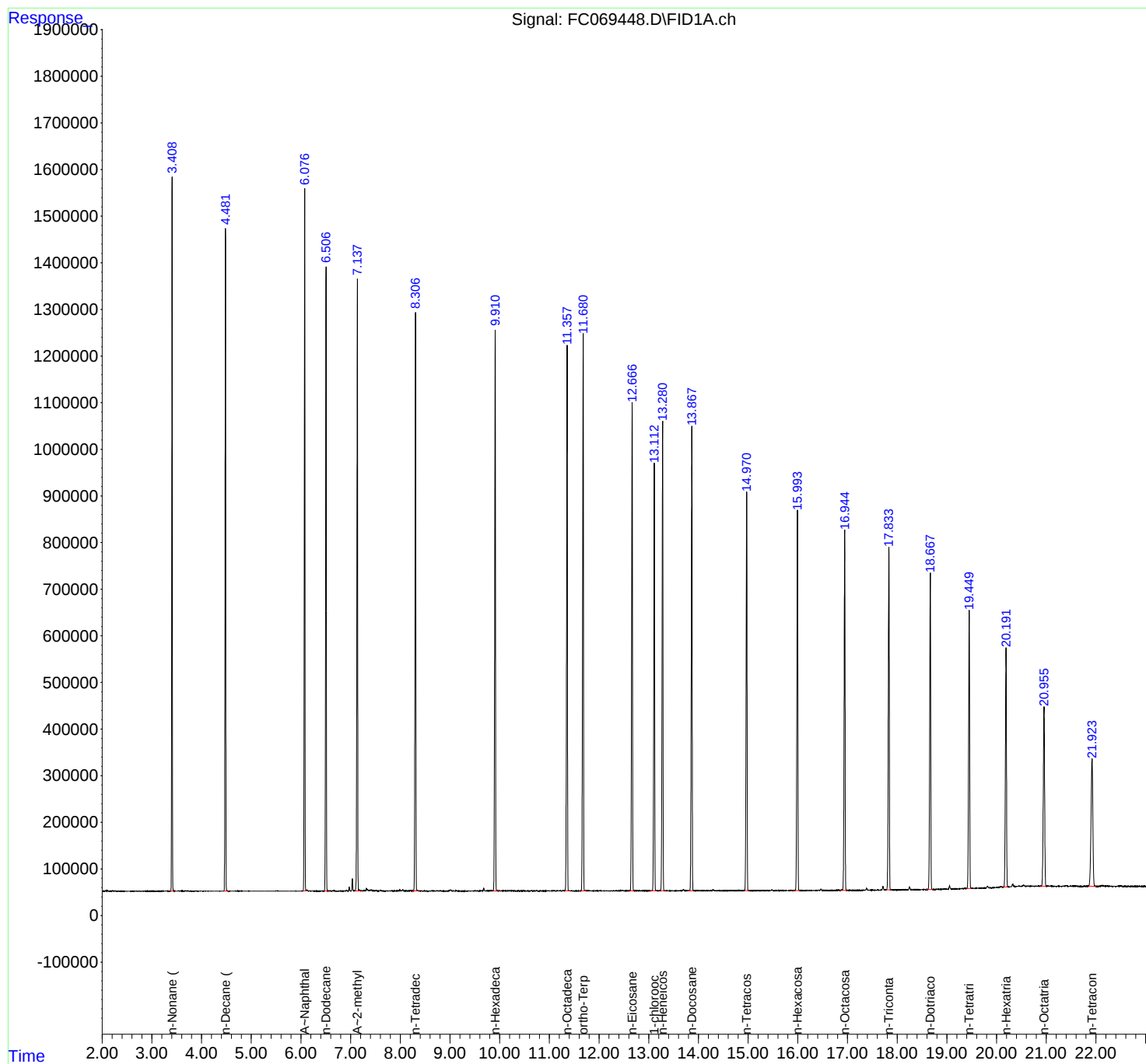
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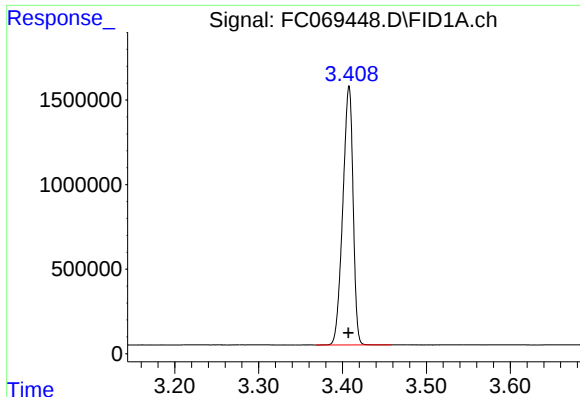
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC071525AL\
Data File : FC069448.D
Signal(s) : FID1A.ch
Acq On : 15 Jul 2025 09:05
Operator : YP/AJ
Sample : 100 PPM ALIPHATIC HC STD1
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1

Integration File: autoint1.e
Quant Time: Jul 15 10:58:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 071525.M
Quant Title : GC Extractables
QLast Update : Tue Jul 15 10:56:36 2025
Response via : Initial Calibration
Integrator: ChemStation

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

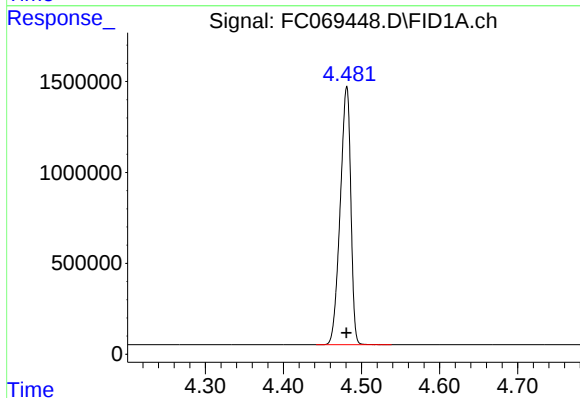




#1 n-Nonane (C9)

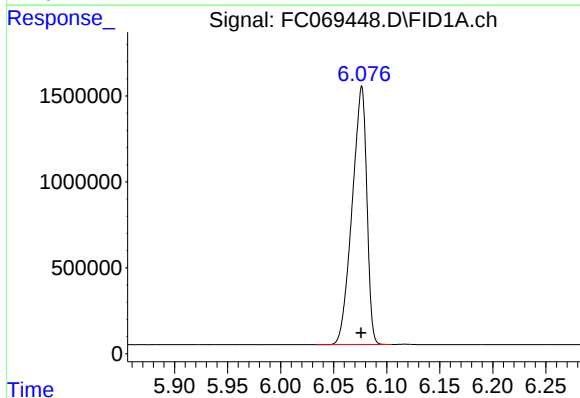
R.T.: 3.407 min
Delta R.T.: 0.000 min
Response: 13034330
Conc: 99.69 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



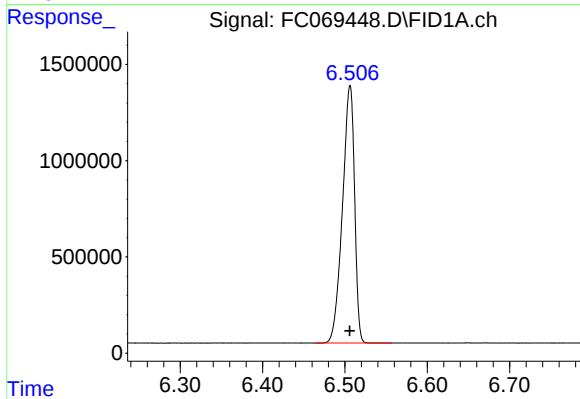
#2 n-Decane (C10)

R.T.: 4.481 min
Delta R.T.: 0.000 min
Response: 13354937
Conc: 99.82 ug/ml



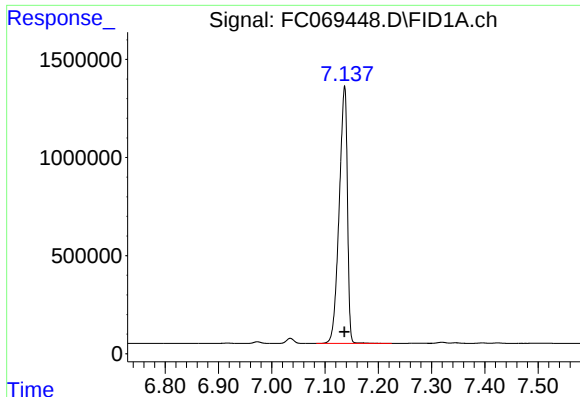
#3 A~Naphthalene (C11.7)

R.T.: 6.076 min
Delta R.T.: 0.000 min
Response: 14466197
Conc: 99.63 ug/ml



#4 n-Dodecane (C12)

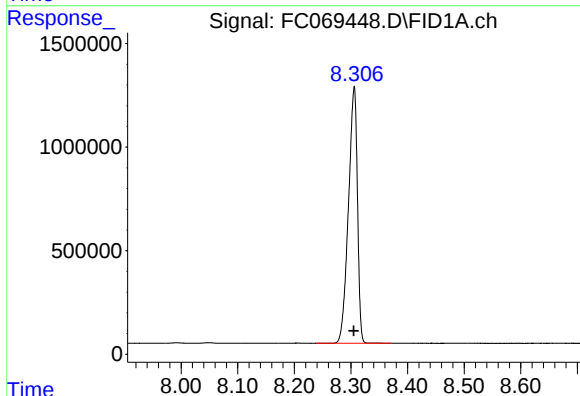
R.T.: 6.506 min
Delta R.T.: 0.000 min
Response: 13656102
Conc: 100.13 ug/ml



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

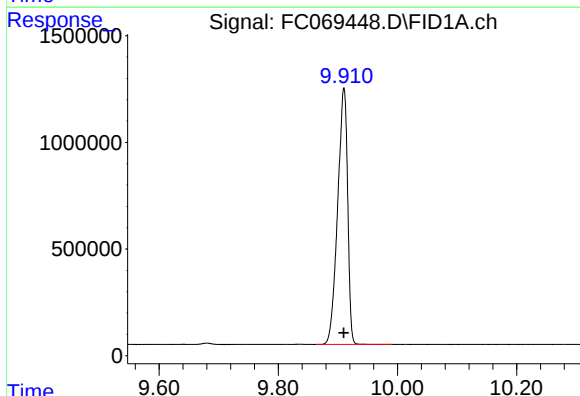
R.T.: 7.136 min
Delta R.T.: 0.000 min
Response: 14050606
Conc: 100.05 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



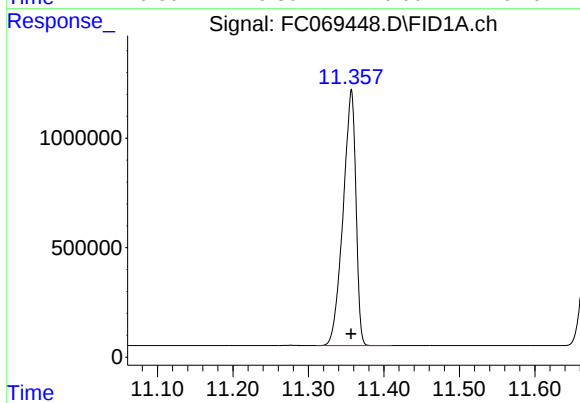
#6 n-Tetradecane (C14)

R.T.: 8.305 min
Delta R.T.: 0.000 min
Response: 13682478
Conc: 99.99 ug/ml



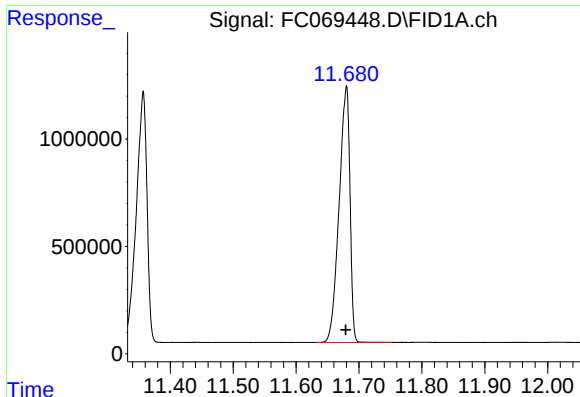
#7 n-Hexadecane (C16)

R.T.: 9.910 min
Delta R.T.: 0.000 min
Response: 13999672
Conc: 100.02 ug/ml



#8 n-Octadecane (C18)

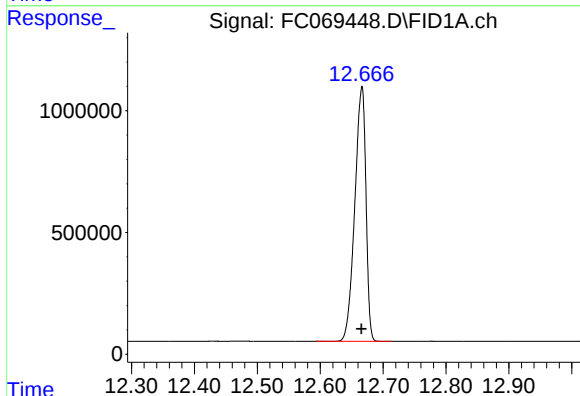
R.T.: 11.356 min
Delta R.T.: 0.000 min
Response: 13791460
Conc: 100.00 ug/ml



#9 ortho-Terphenyl (SURR)

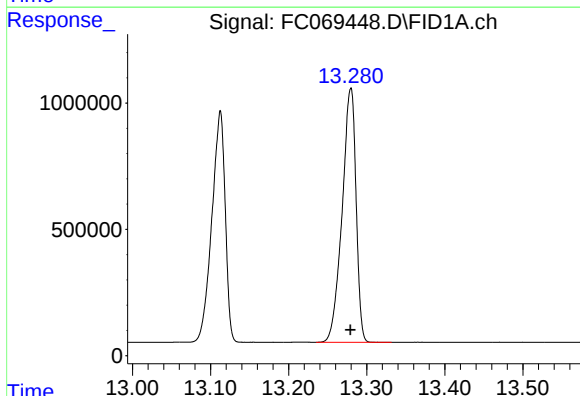
R.T.: 11.679 min
Delta R.T.: 0.000 min
Response: 14279406
Conc: 100.23 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



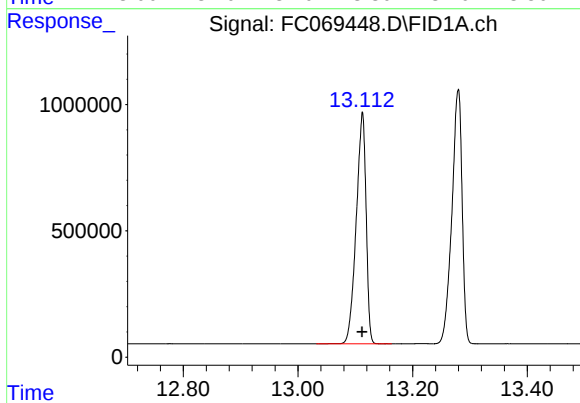
#10 n-Eicosane (C20)

R.T.: 12.666 min
Delta R.T.: 0.000 min
Response: 12862062
Conc: 100.09 ug/ml



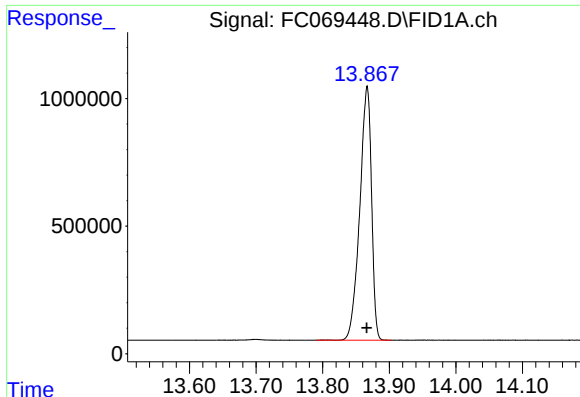
#11 n-Heneicosane (C21)

R.T.: 13.279 min
Delta R.T.: 0.000 min
Response: 12457012
Conc: 100.17 ug/ml



#12 1-chlorooctadecane (SURR)

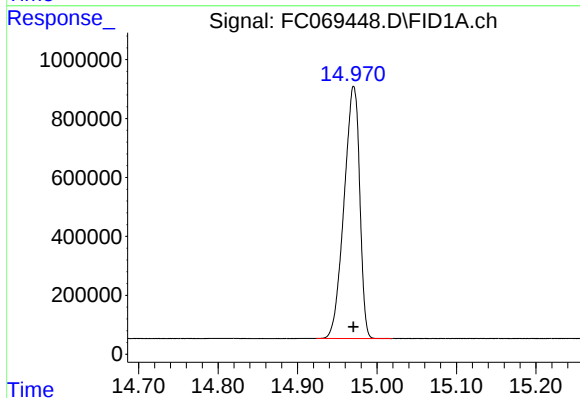
R.T.: 13.112 min
Delta R.T.: 0.000 min
Response: 10923644
Conc: 100.50 ug/ml



#13 n-Docosane (C22)

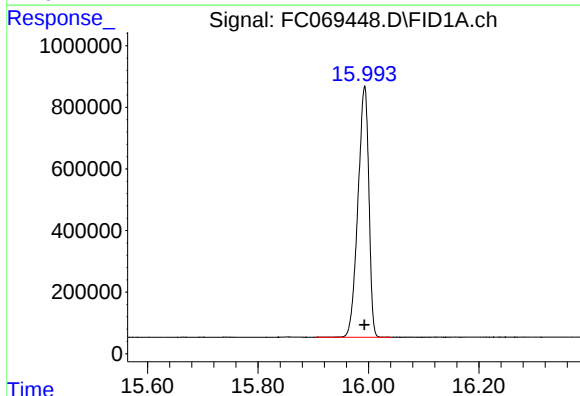
R.T.: 13.866 min
Delta R.T.: 0.000 min
Response: 12185301
Conc: 100.15 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



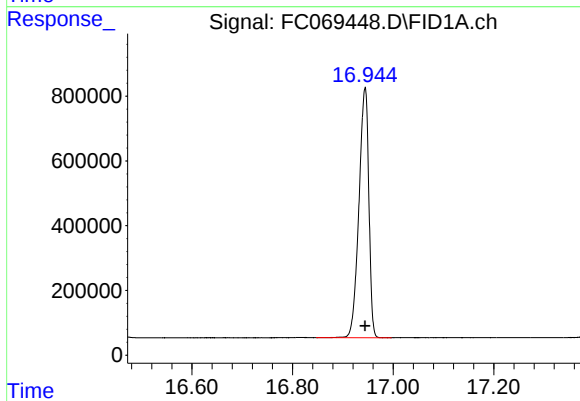
#14 n-Tetracosane (C24)

R.T.: 14.970 min
Delta R.T.: 0.000 min
Response: 11718968
Conc: 100.14 ug/ml



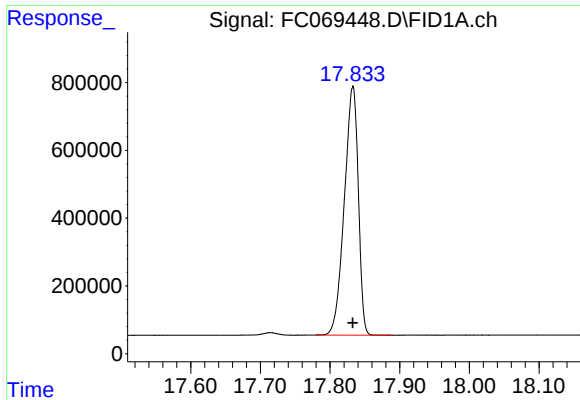
#15 n-Hexacosane (C26)

R.T.: 15.993 min
Delta R.T.: 0.000 min
Response: 11141729
Conc: 100.14 ug/ml



#16 n-Octacosane (C28)

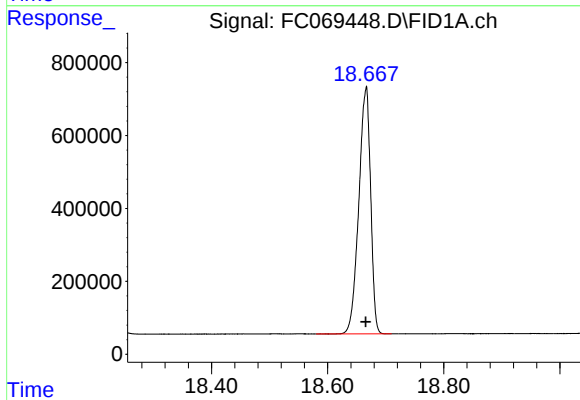
R.T.: 16.944 min
Delta R.T.: 0.000 min
Response: 10523668
Conc: 99.69 ug/ml



#17 n-Tricontane (C30)

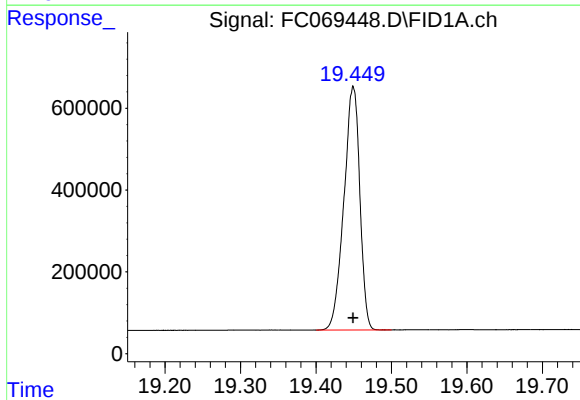
R.T.: 17.833 min
Delta R.T.: 0.000 min
Response: 10222229
Conc: 98.98 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



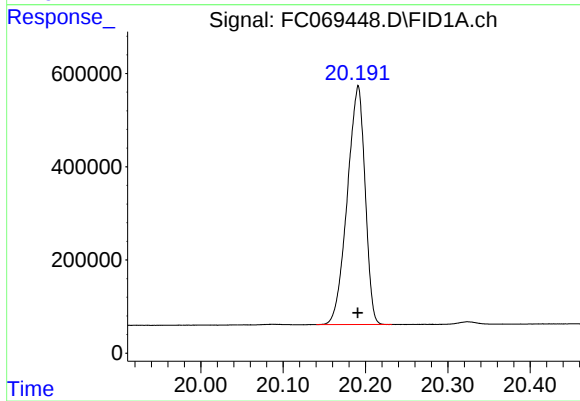
#18 n-Dotriacontane (C32)

R.T.: 18.666 min
Delta R.T.: 0.000 min
Response: 9560238
Conc: 98.47 ug/ml



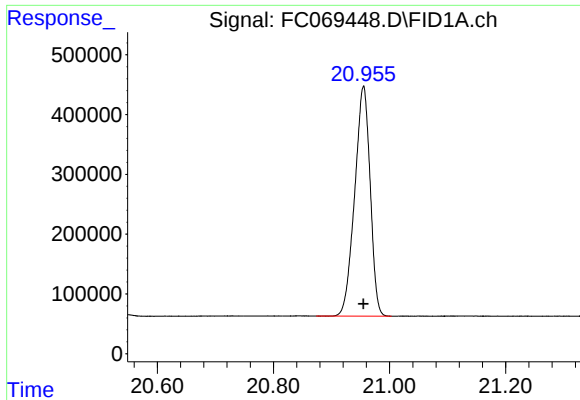
#19 n-Tetratriacontane (C34)

R.T.: 19.449 min
Delta R.T.: 0.000 min
Response: 8724728
Conc: 98.45 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.191 min
Delta R.T.: 0.000 min
Response: 7686807
Conc: 98.50 ug/ml



#21 n-Octatriacontane (C38)

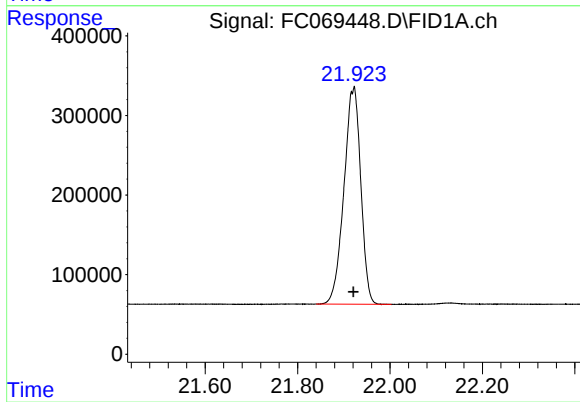
R.T.: 20.955 min
Delta R.T.: 0.000 min
Response: 7121260
Conc: 98.70 ug/ml

Instrument :

FID_C

ClientSampleId :

100 PPM ALIPHATIC HC STD1



#22 n-Tetracontane (C40)

R.T.: 21.921 min
Delta R.T.: 0.000 min
Response: 6892375
Conc: 98.70 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC071525AL\
Data File : FC069448.D
Signal(s) : FID1A.ch
Acq On : 15 Jul 2025 09:05
Sample : 100 PPM ALIPHATIC HC STD1
Misc :
ALS Vial : 11 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 071525.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	3.407	3.368	3.458	BB	1522257	13034330	90.10%	5.085%
2	4.481	4.442	4.538	BB	1415387	13354937	92.32%	5.210%
3	6.076	6.033	6.105	BV	1483358	14466197	100.00%	5.643%
4	6.506	6.465	6.557	BB	1334251	13656102	94.40%	5.327%
5	7.136	7.083	7.225	BB	1318698	14050606	97.13%	5.481%
6	8.305	8.238	8.372	BB	1233035	13682478	94.58%	5.338%
7	9.910	9.863	9.990	BB	1204830	13999672	96.78%	5.461%
8	11.356	11.310	11.410	BB	1172409	13791460	95.34%	5.380%
9	11.679	11.632	11.752	BB	1172532	14279406	98.71%	5.571%
10	12.666	12.593	12.713	BB	1038076	12862062	88.91%	5.018%
11	13.112	13.032	13.163	BB	915373	10923644	75.51%	4.261%
12	13.279	13.235	13.332	PB	1003328	12457012	86.11%	4.860%
13	13.866	13.790	13.903	BB	999073	12185301	84.23%	4.754%
14	14.971	14.923	15.018	BB	857401	11718968	81.01%	4.572%
15	15.993	15.905	16.042	BB	818935	11141729	77.02%	4.347%
16	16.944	16.847	16.997	BB	770943	10523668	72.75%	4.105%
17	17.833	17.780	17.888	BB	732870	10222229	70.66%	3.988%
18	18.666	18.580	18.710	BB	669131	9560238	66.09%	3.730%
19	19.449	19.400	19.500	BB	594021	8724728	60.31%	3.404%
20	20.191	20.140	20.232	BB	509939	7686807	53.14%	2.999%
21	20.955	20.873	21.003	BB	384763	7121260	49.23%	2.778%
22	21.921	21.840	22.003	BB	272165	6892375	47.64%	2.689%
Sum of corrected areas:						256335210		

Aliphatic EPH 071525.M Tue Jul 15 12:41:36 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC071525AL\
 Data File : FC069449.D
 Signal(s) : FID1A.ch
 Acq On : 15 Jul 2025 09:50
 Operator : YP/AJ
 Sample : 50 PPM ALIPHATIC HC STD2
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 50 PPM ALIPHATIC HC STD2

Integration File: autoint1.e
 Quant Time: Jul 15 11:00:20 2025
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Spiked Amount 50.000		Recovery =	98.27%
Target Compounds			
1) T n-Nonane (C9)	3.405	6306166	48.807 ug/ml
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3) T A~Naphthalene (C11.7)	6.071	7013053	48.854 ug/ml
4) T n-Dodecane (C12)	6.502	6584586	48.841 ug/ml
5) T A~2-methylnaphthalene...	7.131	6809757	48.982 ug/ml
6) T n-Tetradecane (C14)	8.301	6602714	48.819 ug/ml
7) T n-Hexadecane (C16)	9.905	6774462	48.923 ug/ml
8) T n-Octadecane (C18)	11.350	6695985	49.025 ug/ml
10) T n-Eicosane (C20)	12.662	6253714	49.103 ug/ml
11) T n-Heneicosane (C21)	13.274	6056701	49.129 ug/ml
13) T n-Docosane (C22)	13.862	5923068	49.111 ug/ml
14) T n-Tetracosane (C24)	14.966	5695887	49.108 ug/ml
15) T n-Hexacosane (C26)	15.988	5408177	49.064 ug/ml
16) T n-Octacosane (C28)	16.939	5097417	48.846 ug/ml
17) T n-Tricontane (C30)	17.828	4961375	48.676 ug/ml
18) T n-Dotriacontane (C32)	18.661	4644179	48.534 ug/ml
19) T n-Tetratriacontane (C34)	19.444	4230530	48.469 ug/ml
20) T n-Hexatriacontane (C36)	20.187	3732506	48.531 ug/ml
21) T n-Octatriacontane (C38)	20.951	3453731	48.559 ug/ml
22) T n-Tetracontane (C40)	21.915	3352069	48.651 ug/ml

(f)=RT Delta > 1/2 Window

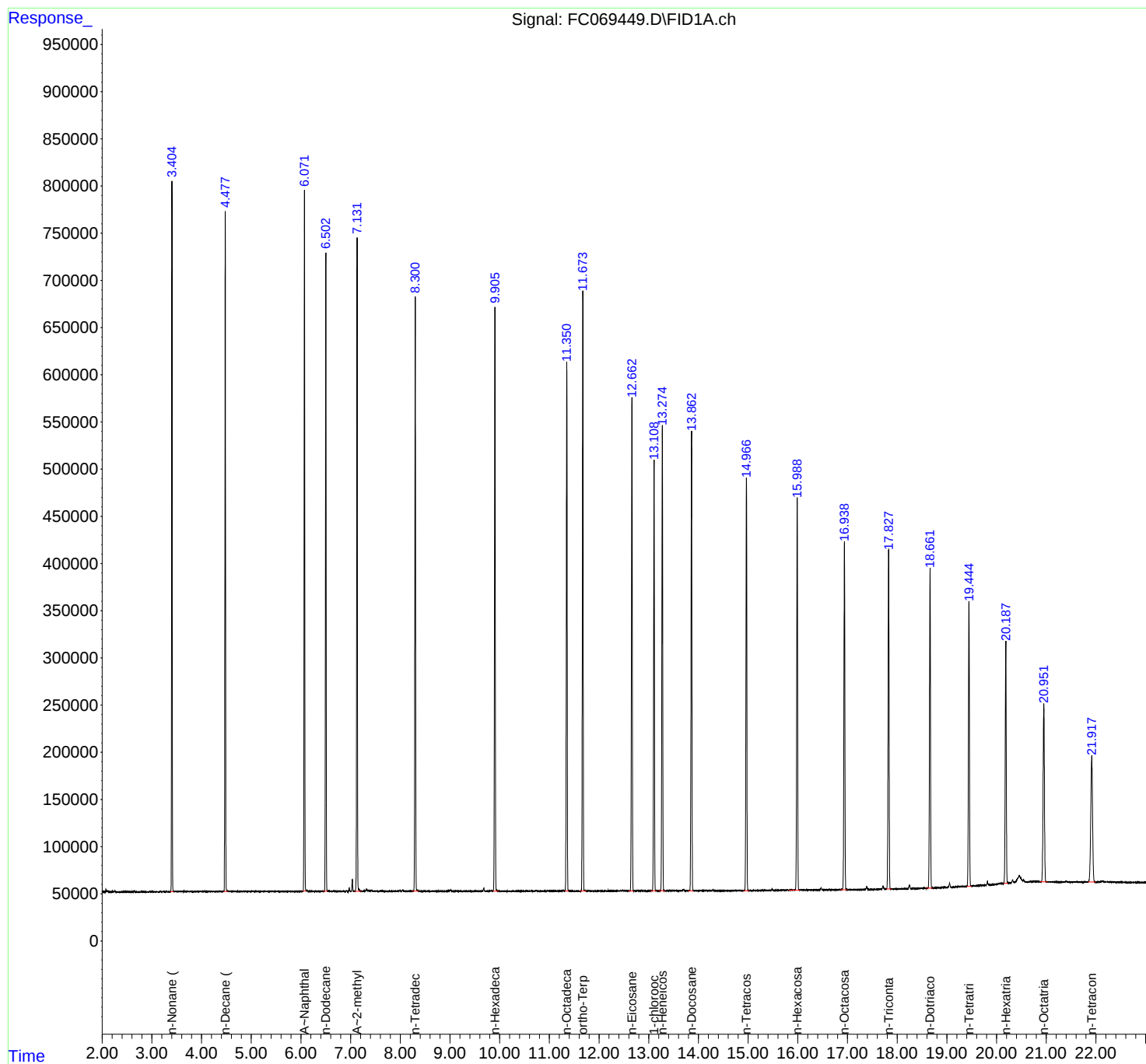
(m)=manual int.

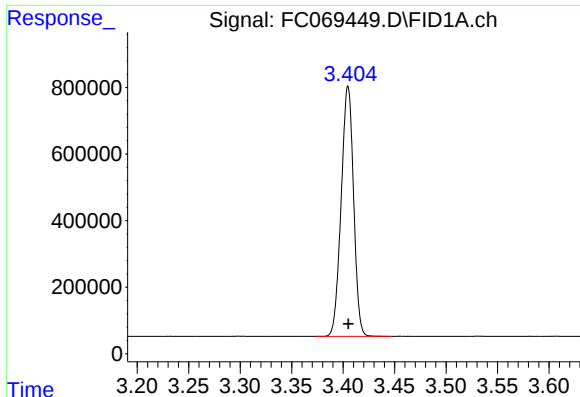
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Data File : FC069449.D
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Operator : YP/AJ
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Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2

Integration File: autoint1.e
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Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

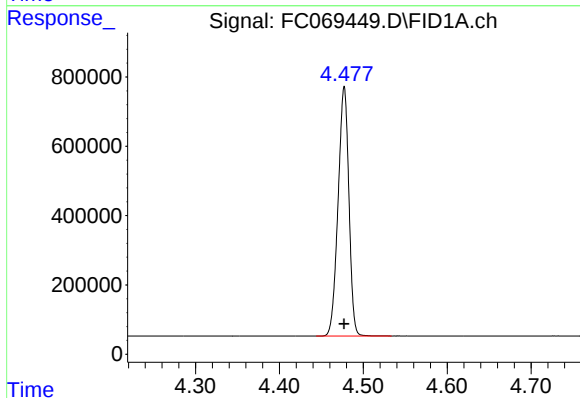




#1 n-Nonane (C9)

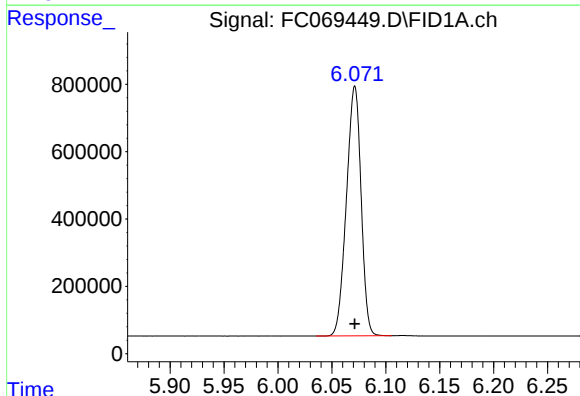
R.T.: 3.405 min
Delta R.T.: 0.000 min
Response: 6306166
Conc: 48.81 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



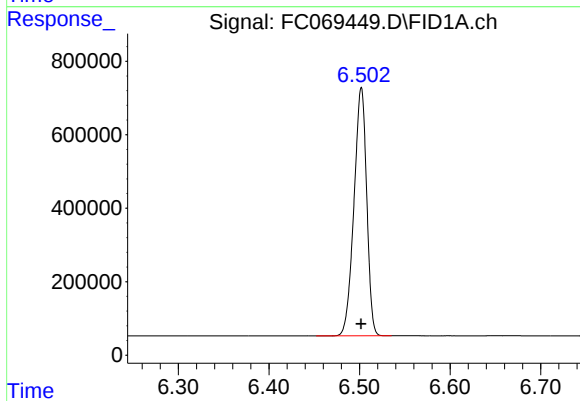
#2 n-Decane (C10)

R.T.: 4.477 min
Delta R.T.: 0.000 min
Response: 6457064
Conc: 48.83 ug/ml



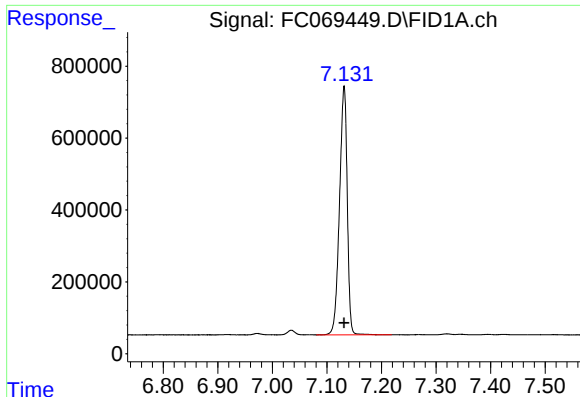
#3 A~Naphthalene (C11.7)

R.T.: 6.071 min
Delta R.T.: 0.000 min
Response: 7013053
Conc: 48.85 ug/ml



#4 n-Dodecane (C12)

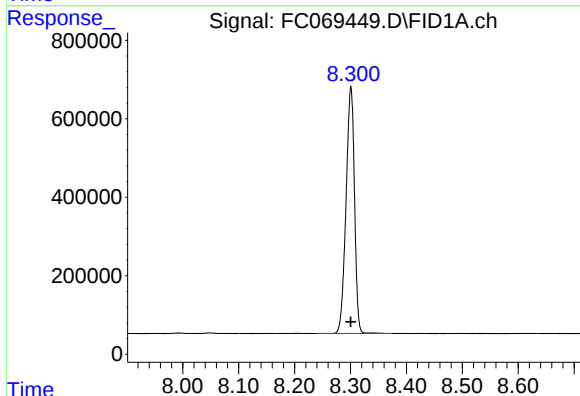
R.T.: 6.502 min
Delta R.T.: 0.000 min
Response: 6584586
Conc: 48.84 ug/ml



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

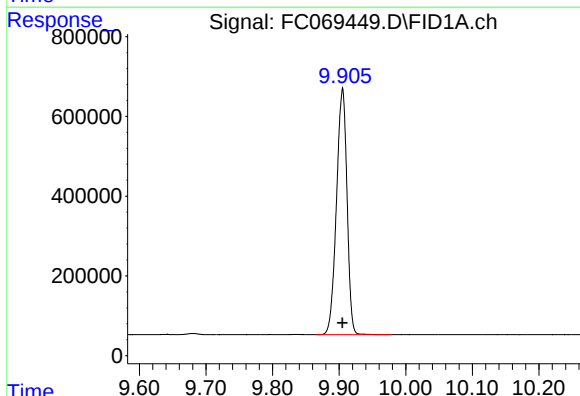
R.T.: 7.131 min
Delta R.T.: 0.000 min
Response: 6809757
Conc: 48.98 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



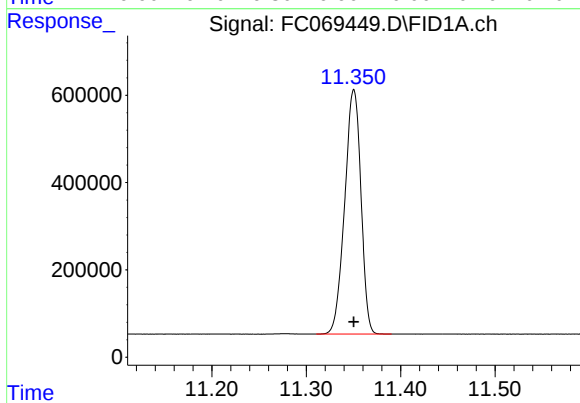
#6 n-Tetradecane (C14)

R.T.: 8.301 min
Delta R.T.: 0.000 min
Response: 6602714
Conc: 48.82 ug/ml



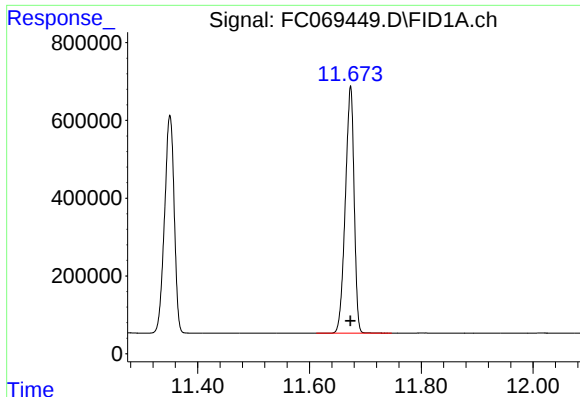
#7 n-Hexadecane (C16)

R.T.: 9.905 min
Delta R.T.: 0.000 min
Response: 6774462
Conc: 48.92 ug/ml



#8 n-Octadecane (C18)

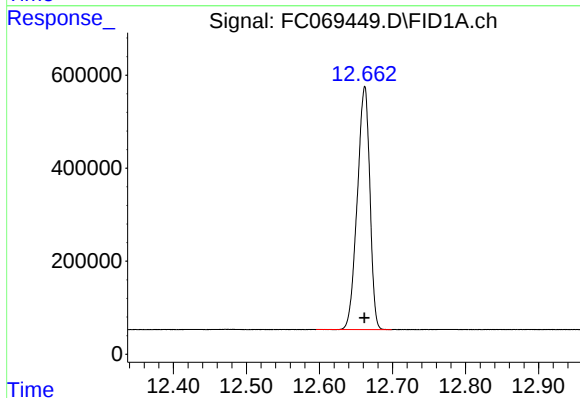
R.T.: 11.350 min
Delta R.T.: 0.000 min
Response: 6695985
Conc: 49.02 ug/ml



#9 ortho-Terphenyl (SURR)

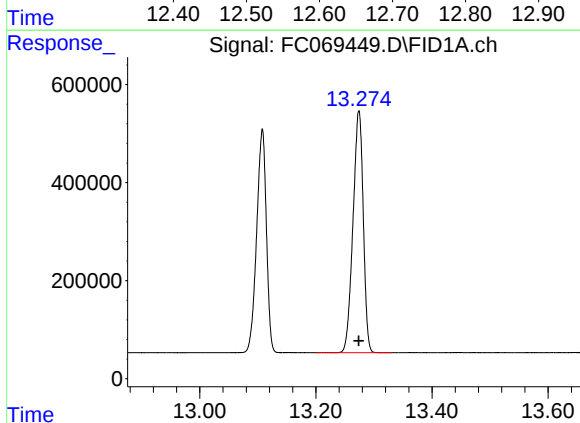
R.T.: 11.673 min
Delta R.T.: 0.000 min
Response: 6934332
Conc: 49.11 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



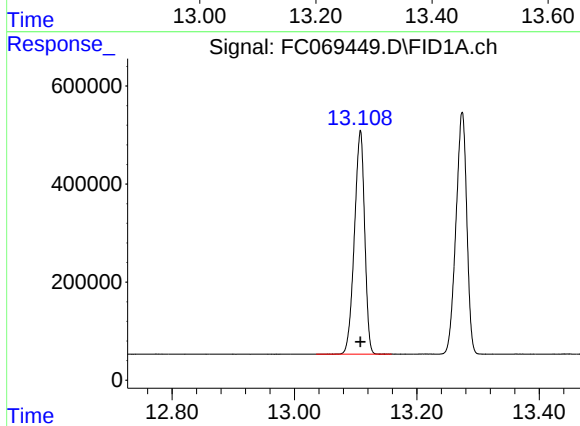
#10 n-Eicosane (C20)

R.T.: 12.662 min
Delta R.T.: 0.000 min
Response: 6253714
Conc: 49.10 ug/ml



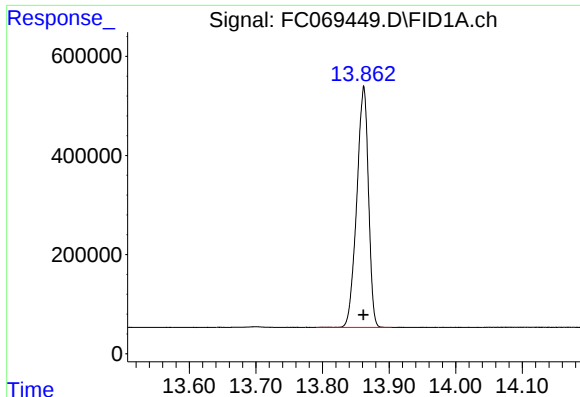
#11 n-Heneicosane (C21)

R.T.: 13.274 min
Delta R.T.: 0.000 min
Response: 6056701
Conc: 49.13 ug/ml



#12 1-chlorooctadecane (SURR)

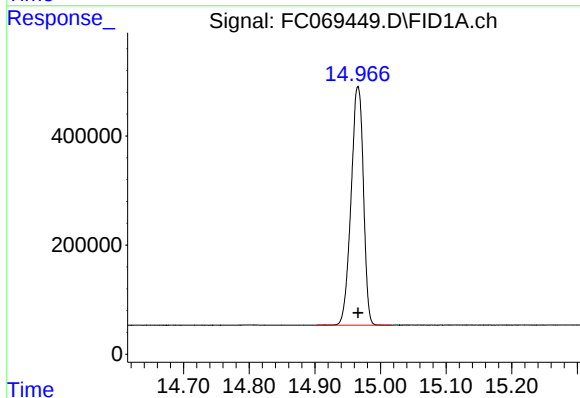
R.T.: 13.107 min
Delta R.T.: 0.000 min
Response: 5294608
Conc: 49.13 ug/ml



#13 n-Docosane (C22)

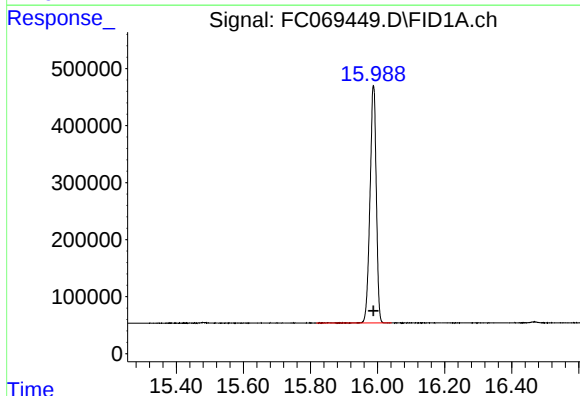
R.T.: 13.862 min
Delta R.T.: 0.000 min
Response: 5923068
Conc: 49.11 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



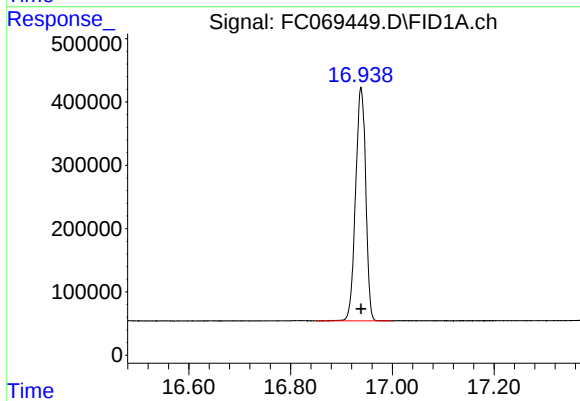
#14 n-Tetracosane (C24)

R.T.: 14.966 min
Delta R.T.: 0.000 min
Response: 5695887
Conc: 49.11 ug/ml



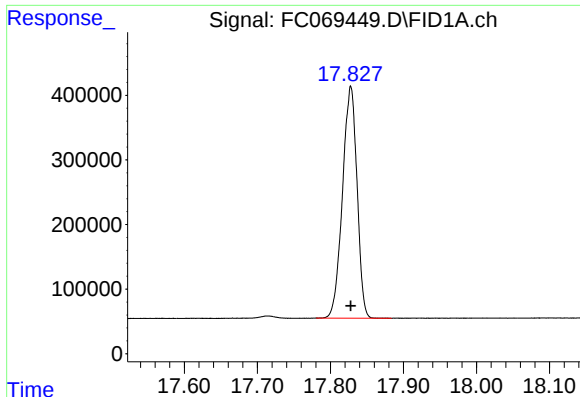
#15 n-Hexacosane (C26)

R.T.: 15.988 min
Delta R.T.: 0.000 min
Response: 5408177
Conc: 49.06 ug/ml



#16 n-Octacosane (C28)

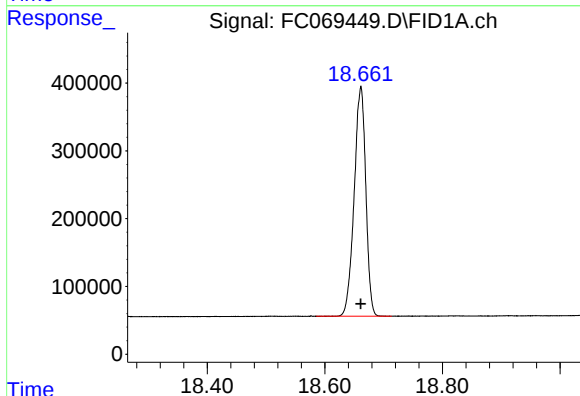
R.T.: 16.939 min
Delta R.T.: 0.000 min
Response: 5097417
Conc: 48.85 ug/ml



#17 n-Tricontane (C30)

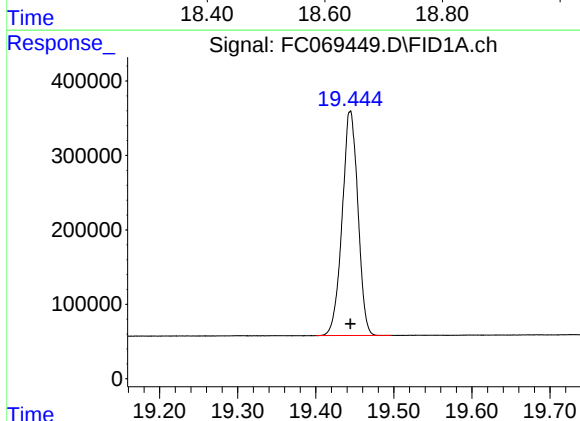
R.T.: 17.828 min
Delta R.T.: 0.000 min
Response: 4961375
Conc: 48.68 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



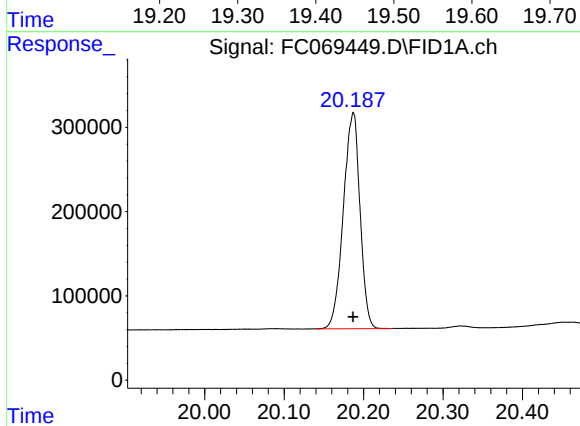
#18 n-Dotriacontane (C32)

R.T.: 18.661 min
Delta R.T.: 0.000 min
Response: 4644179
Conc: 48.53 ug/ml



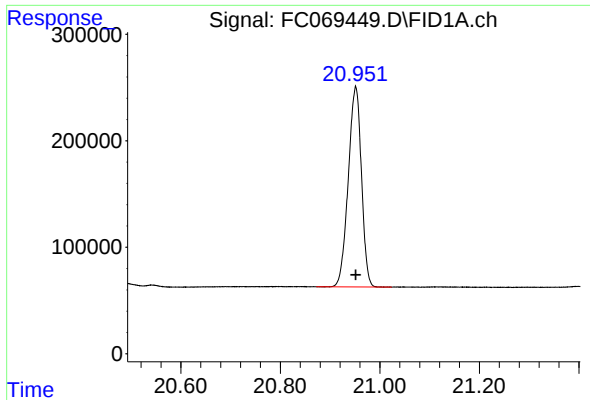
#19 n-Tetratriacontane (C34)

R.T.: 19.444 min
Delta R.T.: 0.000 min
Response: 4230530
Conc: 48.47 ug/ml



#20 n-Hexatriacontane (C36)

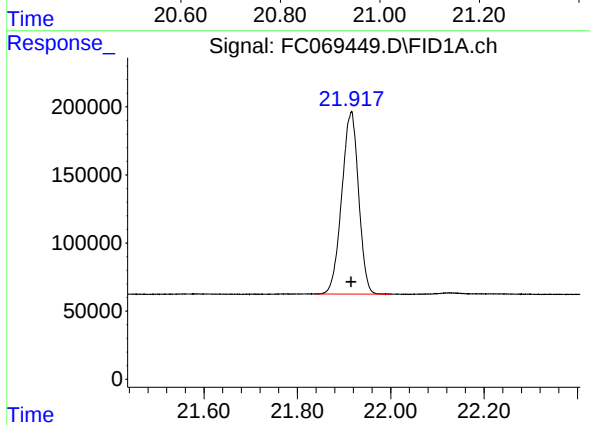
R.T.: 20.187 min
Delta R.T.: 0.000 min
Response: 3732506
Conc: 48.53 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.951 min
Delta R.T.: 0.000 min
Response: 3453731
Conc: 48.56 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



#22 n-Tetracontane (C40)

R.T.: 21.915 min
Delta R.T.: 0.000 min
Response: 3352069
Conc: 48.65 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC071525AL\
 Data File : FC069449.D
 Signal(s) : FID1A.ch
 Acq On : 15 Jul 2025 09:50
 Sample : 50 PPM ALIPHATIC HC STD2
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 071525.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	3.405	3.374	3.447	BB	754080	6306166	89.92%	5.074%
2	4.477	4.444	4.534	BB	720465	6457064	92.07%	5.195%
3	6.071	6.035	6.105	BV	740270	7013053	100.00%	5.643%
4	6.502	6.452	6.535	BB	677594	6584586	93.89%	5.298%
5	7.131	7.080	7.219	BB	695934	6809757	97.10%	5.479%
6	8.301	8.239	8.374	BB	629347	6602714	94.15%	5.313%
7	9.905	9.865	9.979	BB	620932	6774462	96.60%	5.451%
8	11.350	11.310	11.390	BB	560533	6695985	95.48%	5.388%
9	11.673	11.612	11.747	BB	638338	6934332	98.88%	5.580%
10	12.662	12.595	12.699	BB	524646	6253714	89.17%	5.032%
11	13.107	13.035	13.159	BB	454832	5294608	75.50%	4.260%
12	13.274	13.200	13.330	BB	493762	6056701	86.36%	4.873%
13	13.862	13.790	13.904	BB	488387	5923068	84.46%	4.766%
14	14.966	14.902	15.017	BB	436691	5695887	81.22%	4.583%
15	15.988	15.817	16.042	BB	416357	5408177	77.12%	4.352%
16	16.939	16.850	16.999	BB	367830	5097417	72.68%	4.101%
17	17.828	17.780	17.884	BB	359667	4961375	70.74%	3.992%
18	18.661	18.585	18.714	BB	336779	4644179	66.22%	3.737%
19	19.444	19.400	19.497	BB	301064	4230530	60.32%	3.404%
20	20.187	20.140	20.235	BB	257284	3732506	53.22%	3.003%
21	20.951	20.872	21.024	BB	188452	3453731	49.25%	2.779%
22	21.915	21.840	22.002	BB	133930	3352069	47.80%	2.697%
Sum of corrected areas:						124282080		

Aliphatic EPH 071525.M Tue Jul 15 12:41:06 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC071525AL\
 Data File : FC069450.D
 Signal(s) : FID1A.ch
 Acq On : 15 Jul 2025 10:35
 Operator : YP/AJ
 Sample : 20 PPM ALIPHATIC HC STD3
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 20 PPM ALIPHATIC HC STD3

Integration File: autoint1.e
 Quant Time: Jul 15 10:56:54 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 071525.M
 Quant Title : GC Extractables
 QLast Update : Tue Jul 15 10:56:36 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)	11.669	2842591	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
12) S 1-chlorooctadecane (S...	13.104	2163070	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
Target Compounds			
1) T n-Nonane (C9)	3.403	2623005	20.000 ug/ml
2) T n-Decane (C10)	4.475	2680576	20.000 ug/ml
3) T A~Naphthalene (C11.7)	6.069	2914664	20.000 ug/ml
4) T n-Dodecane (C12)	6.499	2723979	20.000 ug/ml
5) T A~2-methylnaphthalene...	7.128	2807568	20.000 ug/ml
6) T n-Tetradecane (C14)	8.299	2737305	20.000 ug/ml
7) T n-Hexadecane (C16)	9.902	2798652	20.000 ug/ml
8) T n-Octadecane (C18)	11.346	2758332	20.000 ug/ml
10) T n-Eicosane (C20)	12.658	2567676	20.000 ug/ml
11) T n-Heneicosane (C21)	13.270	2482767	20.000 ug/ml
13) T n-Docosane (C22)	13.857	2429989	20.000 ug/ml
14) T n-Tetracosane (C24)	14.962	2337029	20.000 ug/ml
15) T n-Hexacosane (C26)	15.984	2222003	20.000 ug/ml
16) T n-Octacosane (C28)	16.935	2117680	20.000 ug/ml
17) T n-Tricontane (C30)	17.823	2086565	20.000 ug/ml
18) T n-Dotriacontane (C32)	18.656	1971574	20.000 ug/ml
19) T n-Tetratriacontane (C34)	19.442	1799794	20.000 ug/ml
20) T n-Hexatriacontane (C36)	20.183	1584214	20.000 ug/ml
21) T n-Octatriacontane (C38)	20.947	1461703	20.000 ug/ml
22) T n-Tetracontane (C40)	21.911	1414720	20.000 ug/ml

(f)=RT Delta > 1/2 Window

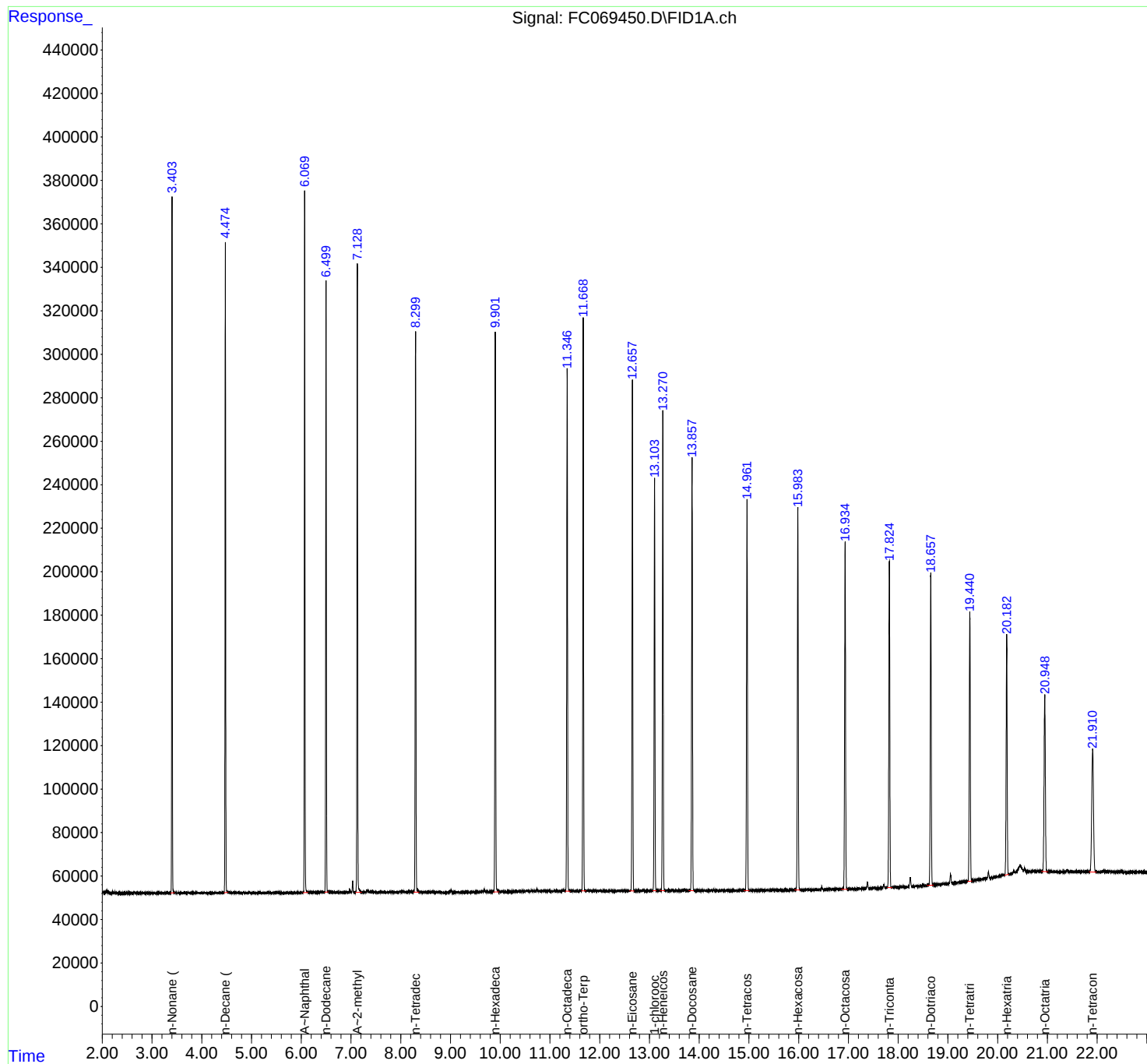
(m)=manual int.

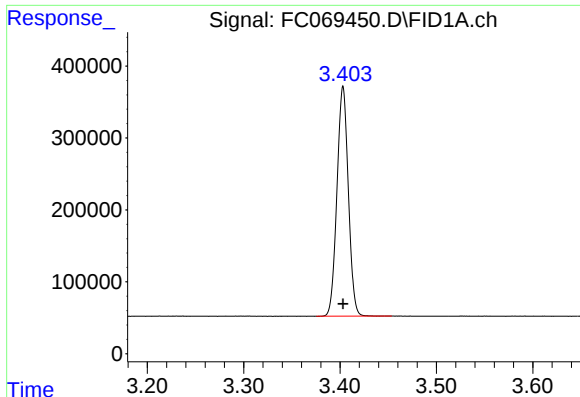
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC071525AL\
Data File : FC069450.D
Signal(s) : FID1A.ch
Acq On : 15 Jul 2025 10:35
Operator : YP/AJ
Sample : 20 PPM ALIPHATIC HC STD3
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3

Integration File: autoint1.e
Quant Time: Jul 15 10:56:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 071525.M
Quant Title : GC Extractables
QLast Update : Tue Jul 15 10:56:36 2025
Response via : Initial Calibration
Integrator: ChemStation

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

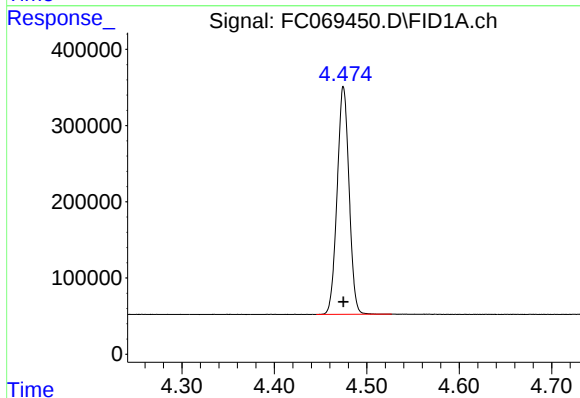




#1 n-Nonane (C9)

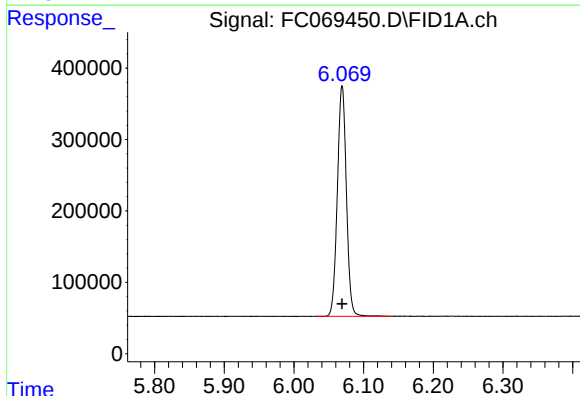
R.T.: 3.403 min
Delta R.T.: 0.000 min
Response: 2623005
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



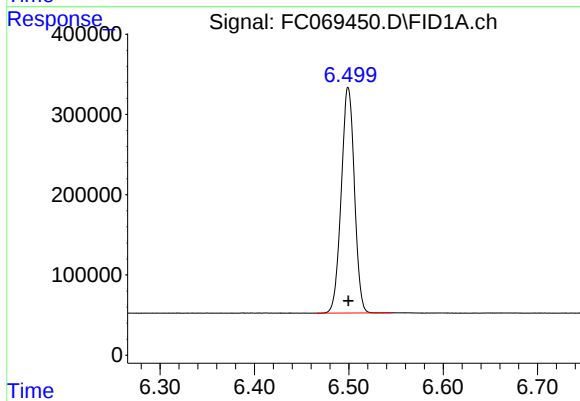
#2 n-Decane (C10)

R.T.: 4.475 min
Delta R.T.: 0.000 min
Response: 2680576
Conc: 20.00 ug/ml



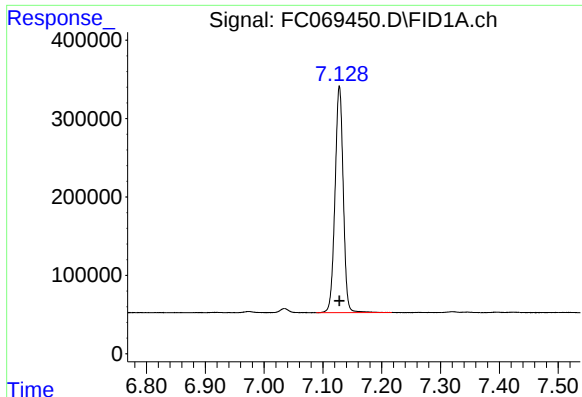
#3 A~Naphthalene (C11.7)

R.T.: 6.069 min
Delta R.T.: 0.000 min
Response: 2914664
Conc: 20.00 ug/ml



#4 n-Dodecane (C12)

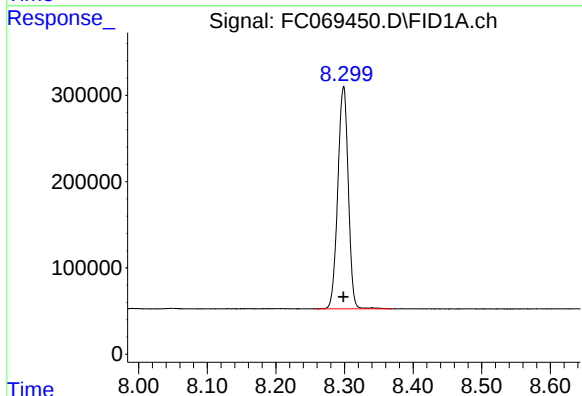
R.T.: 6.499 min
Delta R.T.: 0.000 min
Response: 2723979
Conc: 20.00 ug/ml



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

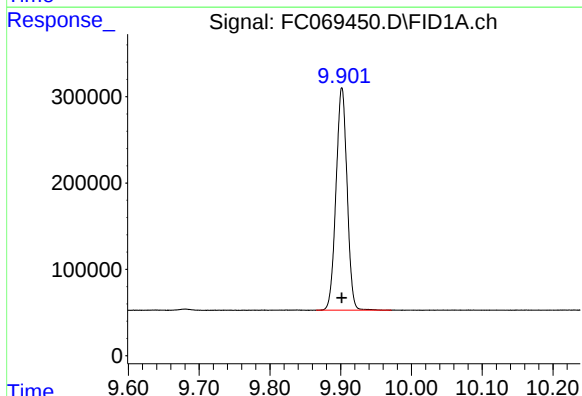
R.T.: 7.128 min
Delta R.T.: 0.000 min
Response: 2807568
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



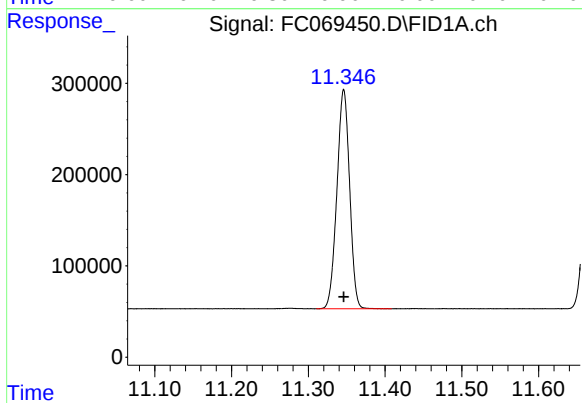
#6 n-Tetradecane (C14)

R.T.: 8.299 min
Delta R.T.: 0.000 min
Response: 2737305
Conc: 20.00 ug/ml



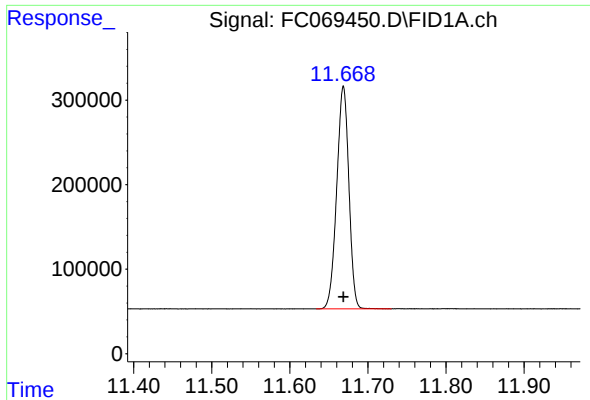
#7 n-Hexadecane (C16)

R.T.: 9.902 min
Delta R.T.: 0.000 min
Response: 2798652
Conc: 20.00 ug/ml



#8 n-Octadecane (C18)

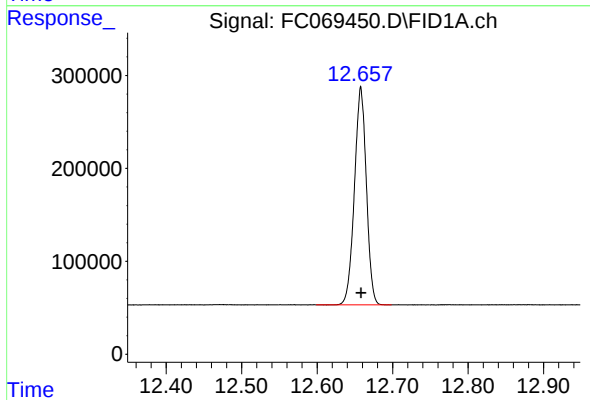
R.T.: 11.346 min
Delta R.T.: 0.000 min
Response: 2758332
Conc: 20.00 ug/ml



#9 ortho-Terphenyl (SURR)

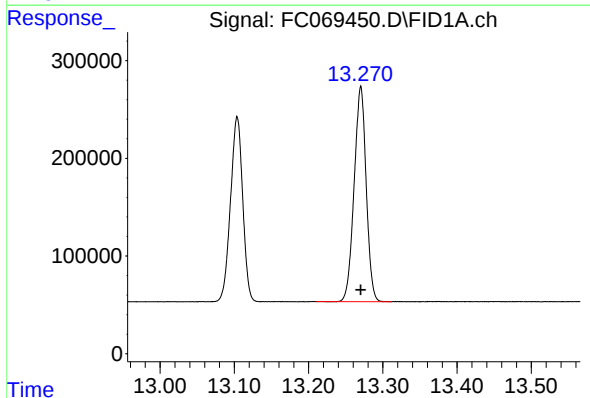
R.T.: 11.669 min
Delta R.T.: 0.000 min
Response: 2842591
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



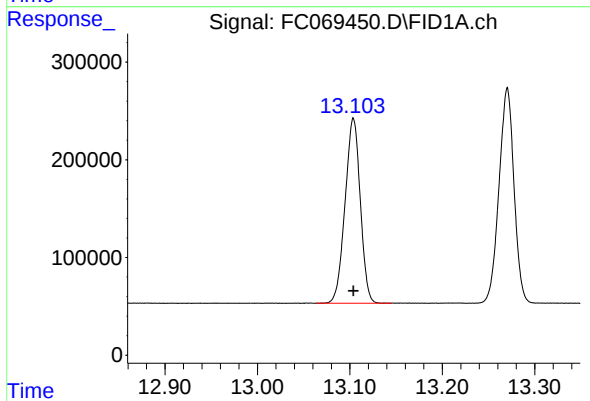
#10 n-Eicosane (C20)

R.T.: 12.658 min
Delta R.T.: 0.000 min
Response: 2567676
Conc: 20.00 ug/ml



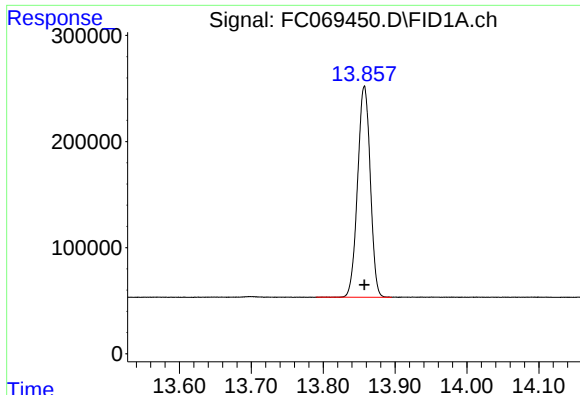
#11 n-Heneicosane (C21)

R.T.: 13.270 min
Delta R.T.: 0.000 min
Response: 2482767
Conc: 20.00 ug/ml



#12 1-chlorooctadecane (SURR)

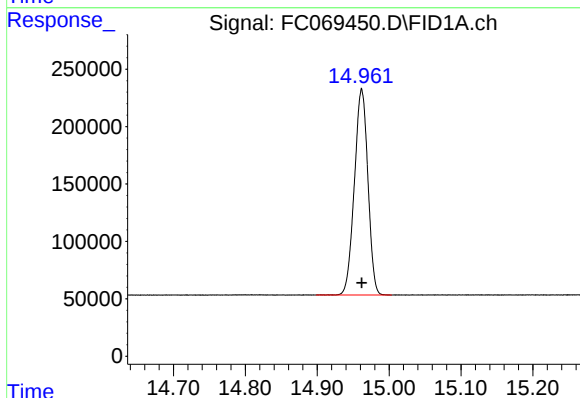
R.T.: 13.104 min
Delta R.T.: 0.000 min
Response: 2163070
Conc: 20.00 ug/ml



#13 n-Docosane (C22)

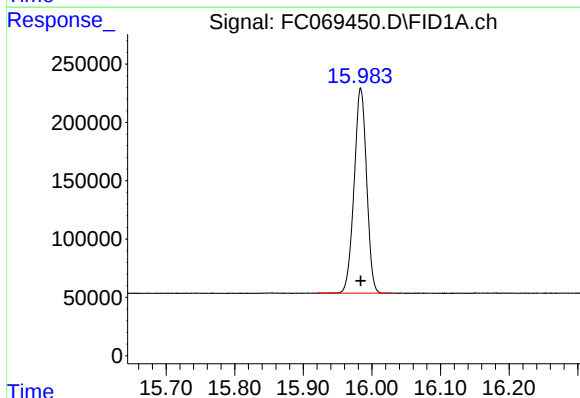
R.T.: 13.857 min
Delta R.T.: 0.000 min
Response: 2429989
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



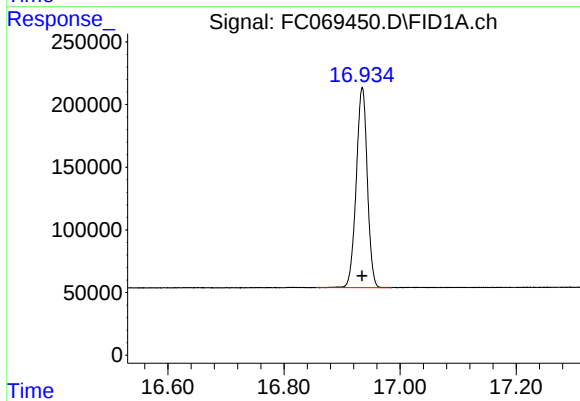
#14 n-Tetracosane (C24)

R.T.: 14.962 min
Delta R.T.: 0.000 min
Response: 2337029
Conc: 20.00 ug/ml



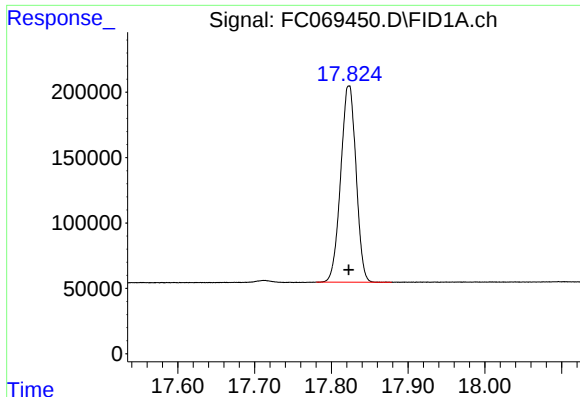
#15 n-Hexacosane (C26)

R.T.: 15.984 min
Delta R.T.: 0.000 min
Response: 2222003
Conc: 20.00 ug/ml



#16 n-Octacosane (C28)

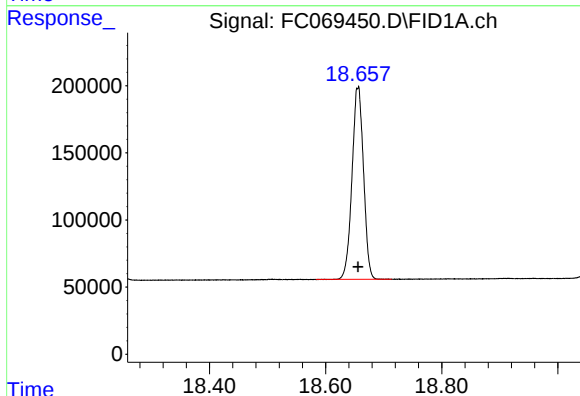
R.T.: 16.935 min
Delta R.T.: 0.000 min
Response: 2117680
Conc: 20.00 ug/ml



#17 n-Tricontane (C30)

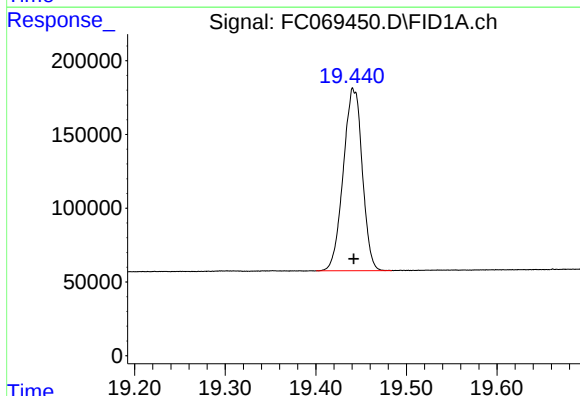
R.T.: 17.823 min
Delta R.T.: 0.000 min
Response: 2086565
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



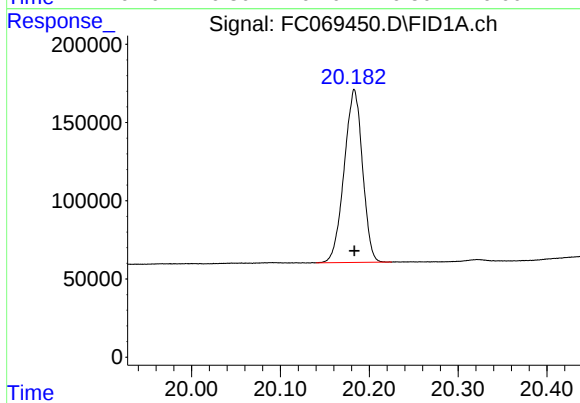
#18 n-Dotriacontane (C32)

R.T.: 18.656 min
Delta R.T.: 0.000 min
Response: 1971574
Conc: 20.00 ug/ml



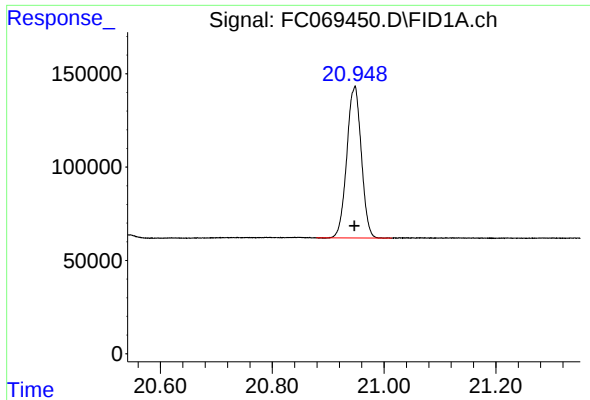
#19 n-Tetratriacontane (C34)

R.T.: 19.442 min
Delta R.T.: 0.000 min
Response: 1799794
Conc: 20.00 ug/ml



#20 n-Hexatriacontane (C36)

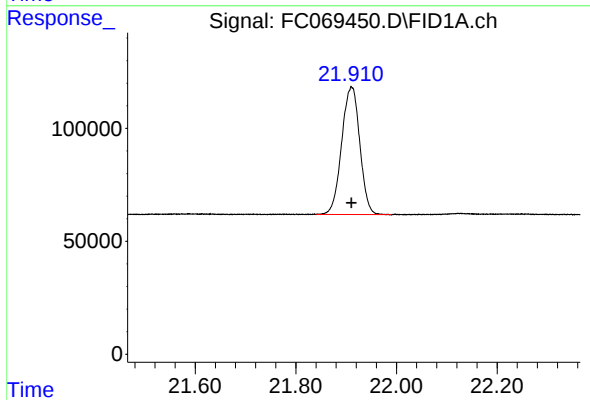
R.T.: 20.183 min
Delta R.T.: 0.000 min
Response: 1584214
Conc: 20.00 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.947 min
Delta R.T.: 0.000 min
Response: 1461703
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



#22 n-Tetracontane (C40)

R.T.: 21.911 min
Delta R.T.: 0.000 min
Response: 1414720
Conc: 20.00 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC071525AL\
 Data File : FC069450.D
 Signal(s) : FID1A.ch
 Acq On : 15 Jul 2025 10:35
 Sample : 20 PPM ALIPHATIC HC STD3
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 071525.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	3.403	3.375	3.454	BB	320459	2623005	89.99%	5.091%
2	4.475	4.445	4.527	BB	298122	2680576	91.97%	5.202%
3	6.069	6.032	6.140	BB	323067	2914664	100.00%	5.657%
4	6.499	6.465	6.545	BB	280676	2723979	93.46%	5.287%
5	7.128	7.089	7.217	BB	289171	2807568	96.33%	5.449%
6	8.299	8.259	8.369	BB	257819	2737305	93.91%	5.313%
7	9.902	9.865	9.972	BB	257945	2798652	96.02%	5.432%
8	11.346	11.310	11.409	BB	240467	2758332	94.64%	5.353%
9	11.669	11.634	11.730	BB	263608	2842591	97.53%	5.517%
10	12.658	12.599	12.699	BB	233637	2567676	88.10%	4.983%
11	13.104	13.064	13.145	BB	189574	2163070	74.21%	4.198%
12	13.270	13.210	13.312	BB	220630	2482767	85.18%	4.819%
13	13.857	13.790	13.895	BB	198720	2429989	83.37%	4.716%
14	14.962	14.899	15.004	BB	179669	2337029	80.18%	4.536%
15	15.984	15.919	16.029	BB	175609	2222003	76.24%	4.312%
16	16.935	16.855	16.985	BB	160029	2117680	72.66%	4.110%
17	17.823	17.780	17.879	BB	150550	2086565	71.59%	4.050%
18	18.656	18.584	18.714	BB	142265	1971574	67.64%	3.826%
19	19.442	19.400	19.484	BB	121602	1799794	61.75%	3.493%
20	20.183	20.140	20.225	BB	110620	1584214	54.35%	3.075%
21	20.947	20.879	21.014	BB	80729	1461703	50.15%	2.837%
22	21.911	21.840	21.990	BB	56649	1414720	48.54%	2.746%
Sum of corrected areas:						51525455		

Aliphatic EPH 071525.M Tue Jul 15 12:40:44 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC071525AL\
 Data File : FC069451.D
 Signal(s) : FID1A.ch
 Acq On : 15 Jul 2025 11:20
 Operator : YP/AJ
 Sample : 10 PPM ALIPHATIC HC STD4
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 10 PPM ALIPHATIC HC STD4

Integration File: autoint1.e
 Quant Time: Jul 15 11:48:47 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 071525.M
 Quant Title : GC Extractables
 QLast Update : Tue Jul 15 11:48:40 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)	11.666	1555533	10.743 ug/ml
Spiked Amount 50.000		Recovery =	21.49%
12) S 1-chlorooctadecane (S...	13.101	1182724	10.714 ug/ml
Spiked Amount 50.000		Recovery =	21.43%
Target Compounds			
1) T n-Nonane (C9)	3.403	1426907	10.763 ug/ml
2) T n-Decane (C10)	4.474	1461675	10.770 ug/ml
3) T A~Naphthalene (C11.7)	6.069	1582883	10.751 ug/ml
4) T n-Dodecane (C12)	6.499	1484597	10.740 ug/ml
5) T A~2-methylnaphthalene...	7.127	1531338	10.742 ug/ml
6) T n-Tetradecane (C14)	8.297	1495509	10.773 ug/ml
7) T n-Hexadecane (C16)	9.901	1536291	10.799 ug/ml
8) T n-Octadecane (C18)	11.345	1511440	10.779 ug/ml
10) T n-Eicosane (C20)	12.656	1410977	10.788 ug/ml
11) T n-Heneicosane (C21)	13.268	1363880	10.777 ug/ml
13) T n-Docosane (C22)	13.856	1333797	10.774 ug/ml
14) T n-Tetracosane (C24)	14.960	1283028	10.776 ug/ml
15) T n-Hexacosane (C26)	15.982	1223037	10.800 ug/ml
16) T n-Octacosane (C28)	16.933	1164830	10.847 ug/ml
17) T n-Tricontane (C30)	17.822	1154429	10.963 ug/ml
18) T n-Dotriacontane (C32)	18.657	1093995	11.038 ug/ml
19) T n-Tetratriacontane (C34)	19.442	994086	11.007 ug/ml
20) T n-Hexatriacontane (C36)	20.181	870135	10.954 ug/ml
21) T n-Octatriacontane (C38)	20.948	798625	10.894 ug/ml
22) T n-Tetracontane (C40)	21.909	774596	10.904 ug/ml

(f)=RT Delta > 1/2 Window

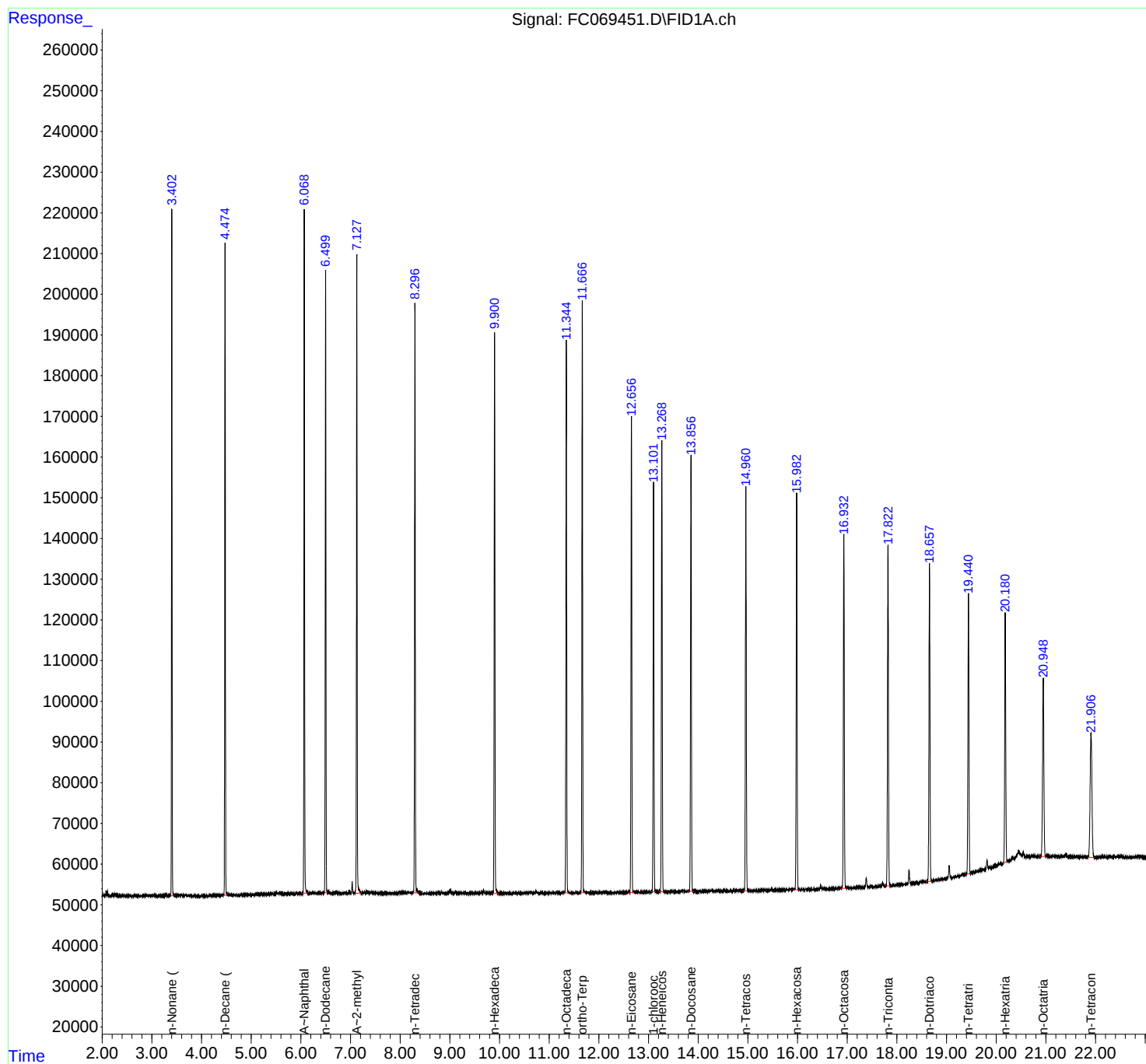
(m)=manual int.

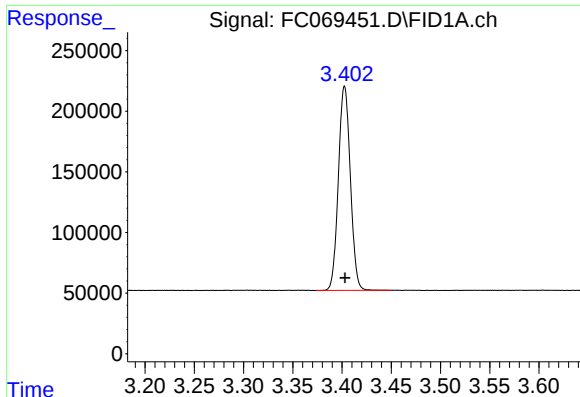
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC071525AL\
Data File : FC069451.D
Signal(s) : FID1A.ch
Acq On : 15 Jul 2025 11:20
Operator : YP/AJ
Sample : 10 PPM ALIPHATIC HC STD4
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4

Integration File: autoint1.e
Quant Time: Jul 15 11:48:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 071525.M
Quant Title : GC Extractables
QLast Update : Tue Jul 15 11:48:40 2025
Response via : Initial Calibration
Integrator: ChemStation

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

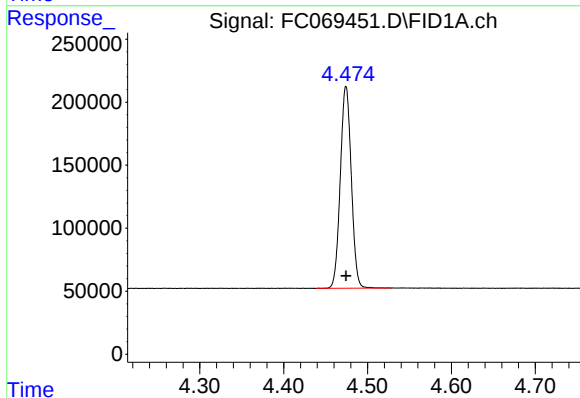




#1 n-Nonane (C9)

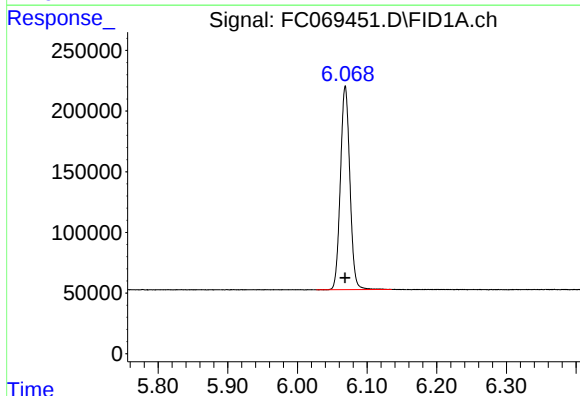
R.T.: 3.403 min
Delta R.T.: 0.000 min
Response: 1426907
Conc: 10.76 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



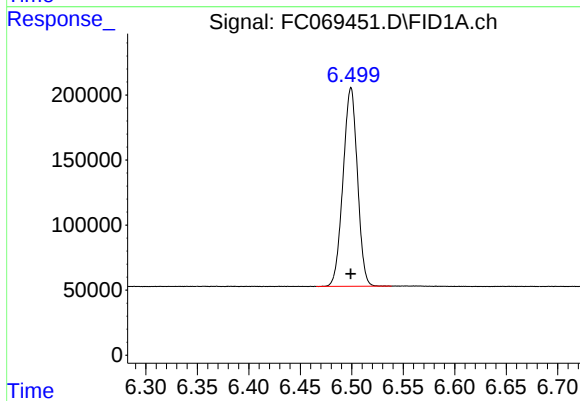
#2 n-Decane (C10)

R.T.: 4.474 min
Delta R.T.: 0.000 min
Response: 1461675
Conc: 10.77 ug/ml



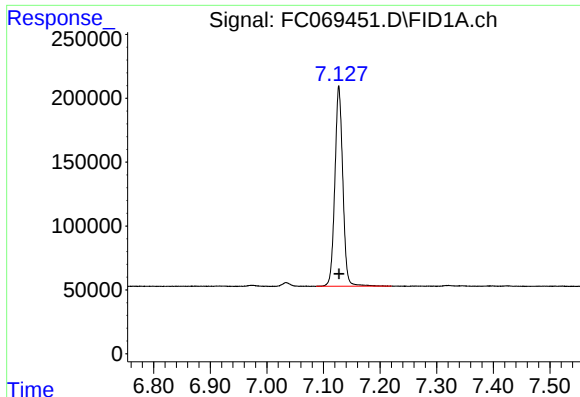
#3 A~Naphthalene (C11.7)

R.T.: 6.069 min
Delta R.T.: 0.000 min
Response: 1582883
Conc: 10.75 ug/ml



#4 n-Dodecane (C12)

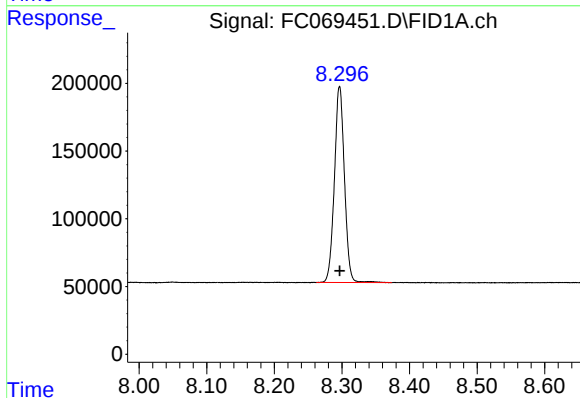
R.T.: 6.499 min
Delta R.T.: 0.000 min
Response: 1484597
Conc: 10.74 ug/ml



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

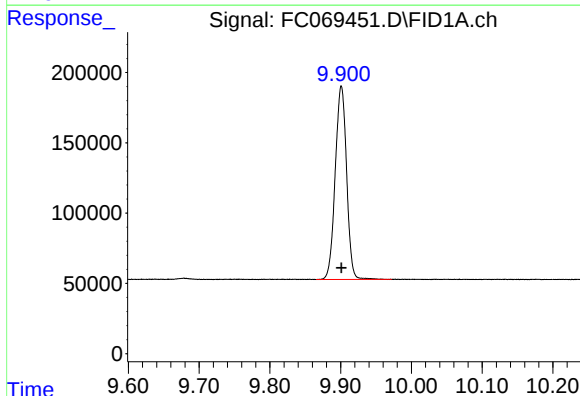
R.T.: 7.127 min
Delta R.T.: 0.000 min
Response: 1531338
Conc: 10.74 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



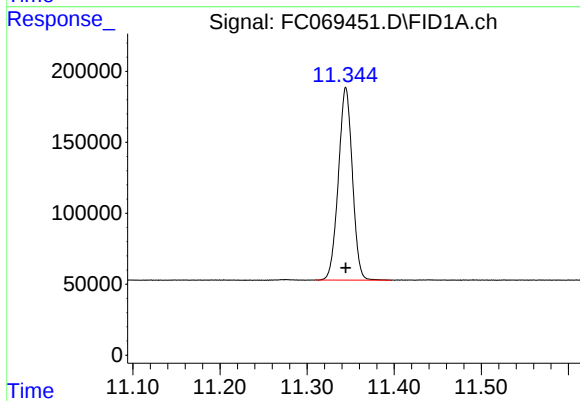
#6 n-Tetradecane (C14)

R.T.: 8.297 min
Delta R.T.: 0.000 min
Response: 1495509
Conc: 10.77 ug/ml



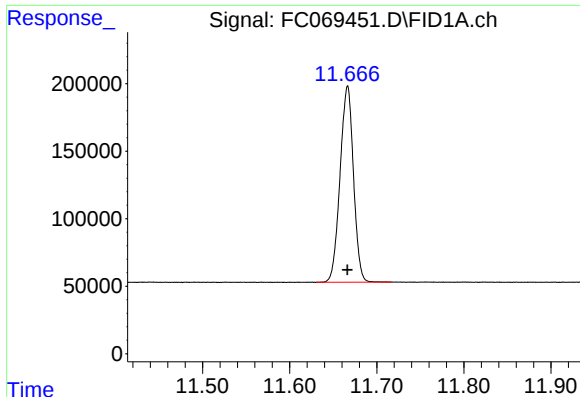
#7 n-Hexadecane (C16)

R.T.: 9.901 min
Delta R.T.: 0.000 min
Response: 1536291
Conc: 10.80 ug/ml



#8 n-Octadecane (C18)

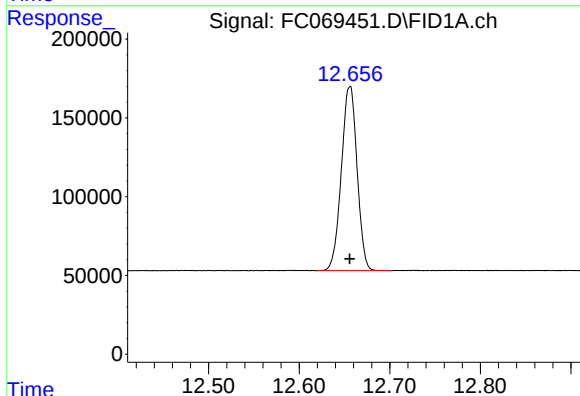
R.T.: 11.345 min
Delta R.T.: 0.000 min
Response: 1511440
Conc: 10.78 ug/ml



#9 ortho-Terphenyl (SURR)

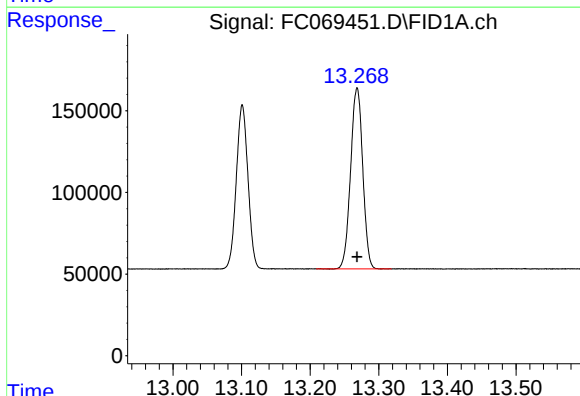
R.T.: 11.666 min
Delta R.T.: 0.000 min
Response: 1555533
Conc: 10.74 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



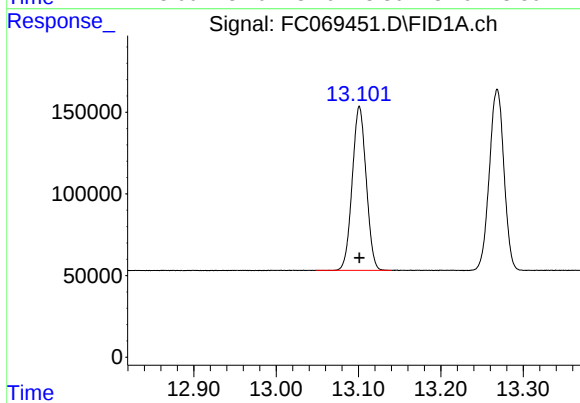
#10 n-Eicosane (C20)

R.T.: 12.656 min
Delta R.T.: 0.000 min
Response: 1410977
Conc: 10.79 ug/ml



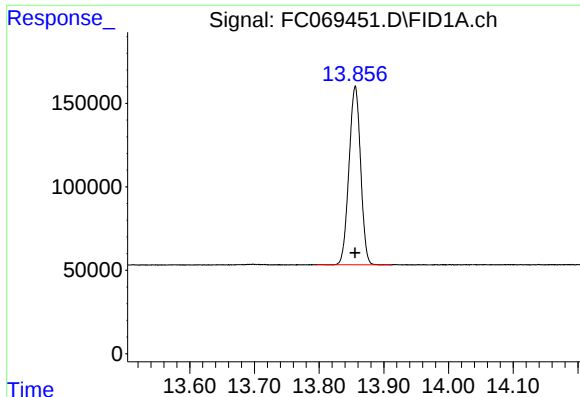
#11 n-Heneicosane (C21)

R.T.: 13.268 min
Delta R.T.: 0.000 min
Response: 1363880
Conc: 10.78 ug/ml



#12 1-chlorooctadecane (SURR)

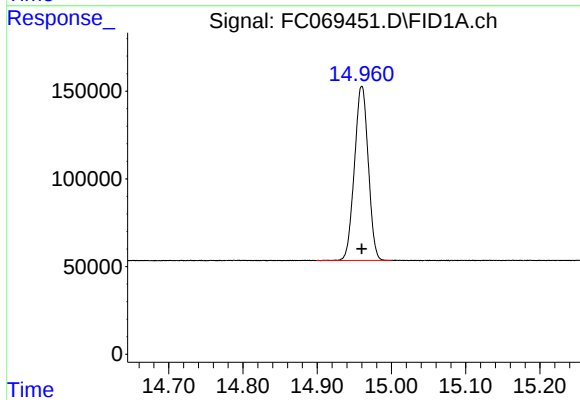
R.T.: 13.101 min
Delta R.T.: 0.000 min
Response: 1182724
Conc: 10.71 ug/ml



#13 n-Docosane (C22)

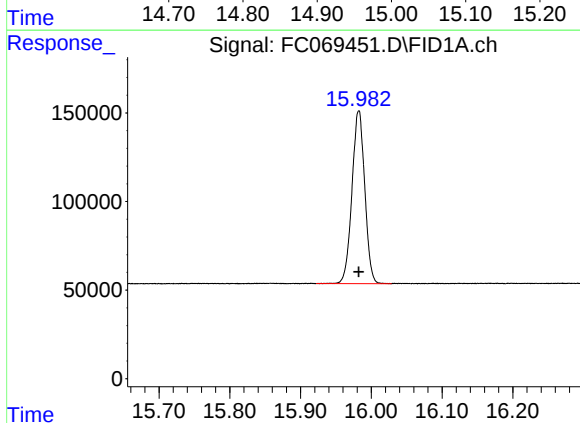
R.T.: 13.856 min
Delta R.T.: 0.000 min
Response: 1333797
Conc: 10.77 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



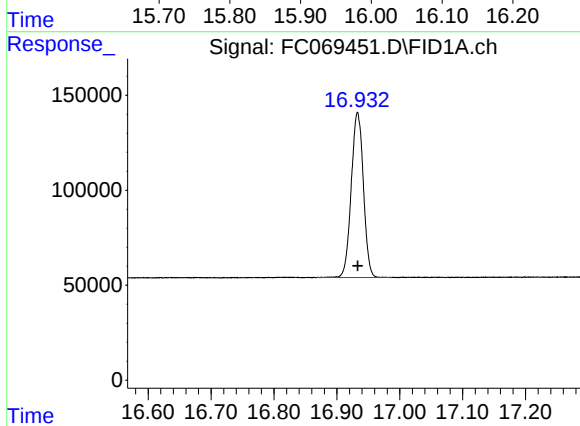
#14 n-Tetracosane (C24)

R.T.: 14.960 min
Delta R.T.: 0.000 min
Response: 1283028
Conc: 10.78 ug/ml



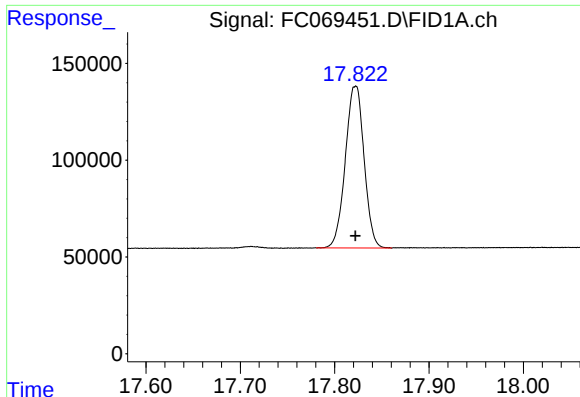
#15 n-Hexacosane (C26)

R.T.: 15.982 min
Delta R.T.: 0.000 min
Response: 1223037
Conc: 10.80 ug/ml



#16 n-Octacosane (C28)

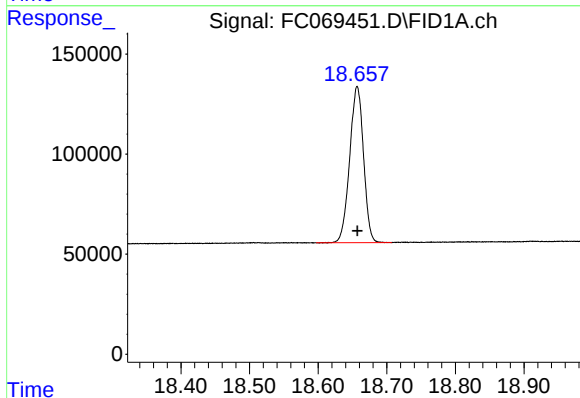
R.T.: 16.933 min
Delta R.T.: 0.000 min
Response: 1164830
Conc: 10.85 ug/ml



#17 n-Tricontane (C30)

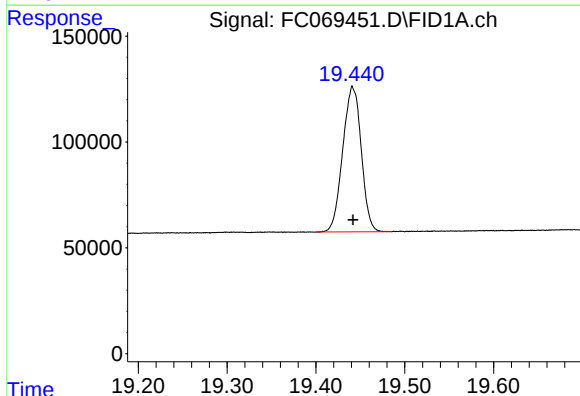
R.T.: 17.822 min
Delta R.T.: 0.000 min
Response: 1154429
Conc: 10.96 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



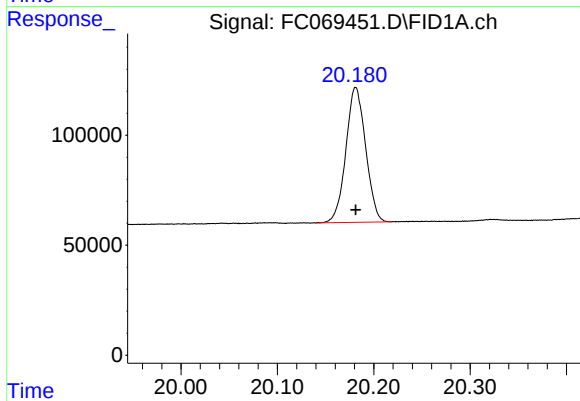
#18 n-Dotriacontane (C32)

R.T.: 18.657 min
Delta R.T.: 0.000 min
Response: 1093995
Conc: 11.04 ug/ml



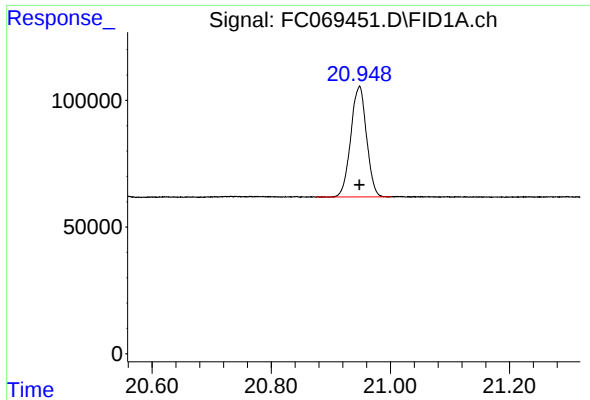
#19 n-Tetratriacontane (C34)

R.T.: 19.442 min
Delta R.T.: 0.000 min
Response: 994086
Conc: 11.01 ug/ml



#20 n-Hexatriacontane (C36)

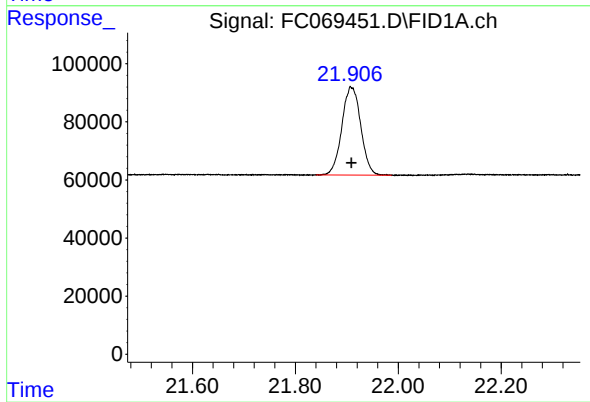
R.T.: 20.181 min
Delta R.T.: 0.000 min
Response: 870135
Conc: 10.95 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.948 min
Delta R.T.: 0.000 min
Response: 798625
Conc: 10.89 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



#22 n-Tetracontane (C40)

R.T.: 21.909 min
Delta R.T.: 0.000 min
Response: 774596
Conc: 10.90 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC071525AL\
 Data File : FC069451.D
 Signal(s) : FID1A.ch
 Acq On : 15 Jul 2025 11:20
 Sample : 10 PPM ALIPHATIC HC STD4
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 071525.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	3.403	3.374	3.450	BB	168656	1426907	90.15%	5.054%
2	4.474	4.439	4.529	BB	160526	1461675	92.34%	5.177%
3	6.069	6.027	6.135	BB	167782	1582883	100.00%	5.606%
4	6.499	6.465	6.539	BB	152526	1484597	93.79%	5.258%
5	7.127	7.087	7.220	BB	156589	1531338	96.74%	5.424%
6	8.297	8.262	8.374	BB	144795	1495509	94.48%	5.297%
7	9.901	9.865	9.972	BB	137780	1536291	97.06%	5.441%
8	11.345	11.310	11.397	BB	135741	1511440	95.49%	5.353%
9	11.666	11.630	11.717	BB	146331	1555533	98.27%	5.509%
10	12.656	12.619	12.702	BB	116701	1410977	89.14%	4.997%
11	13.101	13.049	13.140	BB	100312	1182724	74.72%	4.189%
12	13.268	13.209	13.319	BB	111145	1363880	86.16%	4.831%
13	13.856	13.795	13.912	BB	106790	1333797	84.26%	4.724%
14	14.960	14.899	15.000	BB	99359	1283028	81.06%	4.544%
15	15.982	15.922	16.029	BB	97519	1223037	77.27%	4.332%
16	16.933	16.867	16.987	BB	86966	1164830	73.59%	4.126%
17	17.822	17.780	17.860	BB	83445	1154429	72.93%	4.089%
18	18.657	18.597	18.707	BB	78037	1093995	69.11%	3.875%
19	19.442	19.400	19.485	BB	67904	994086	62.80%	3.521%
20	20.181	20.140	20.219	BB	61275	870135	54.97%	3.082%
21	20.948	20.875	21.002	BB	43886	798625	50.45%	2.829%
22	21.909	21.840	21.987	BB	30014	774596	48.94%	2.743%
Sum of corrected areas:						28234313		

Aliphatic EPH 071525.M Tue Jul 15 12:40:25 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC071525AL\
 Data File : FC069452.D
 Signal(s) : FID1A.ch
 Acq On : 15 Jul 2025 12:05
 Operator : YP/AJ
 Sample : 5 PPM ALIPHATIC HC STD5
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 5 PPM ALIPHATIC HC STD5

Integration File: autoint1.e
 Quant Time: Jul 15 12:35:13 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 071525.M
 Quant Title : GC Extractables
 QLast Update : Tue Jul 15 12:35:06 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)	11.666	814301	5.487 ug/ml
Spiked Amount 50.000		Recovery =	10.97%
12) S 1-chlorooctadecane (S...	13.102	617490	5.464 ug/ml
Spiked Amount 50.000		Recovery =	10.93%
Target Compounds			
1) T n-Nonane (C9)	3.394	750485	5.515 ug/ml
2) T n-Decane (C10)	4.470	765101	5.497 ug/ml
3) T A~Naphthalene (C11.7)	6.066	833004	5.513 ug/ml
4) T n-Dodecane (C12)	6.496	778847	5.495 ug/ml
5) T A~2-methylnaphthalene...	7.125	801282	5.485 ug/ml
6) T n-Tetradecane (C14)	8.295	778133	5.473 ug/ml
7) T n-Hexadecane (C16)	9.900	803823	5.507 ug/ml
8) T n-Octadecane (C18)	11.345	791730	5.504 ug/ml
10) T n-Eicosane (C20)	12.656	740380	5.515 ug/ml
11) T n-Heneicosane (C21)	13.268	716152	5.513 ug/ml
13) T n-Docosane (C22)	13.855	699269	5.506 ug/ml
14) T n-Tetracosane (C24)	14.960	670008	5.489 ug/ml
15) T n-Hexacosane (C26)	15.982	639609	5.505 ug/ml
16) T n-Octacosane (C28)	16.934	620060	5.601 ug/ml
17) T n-Tricontane (C30)	17.822	631378	5.766 ug/ml
18) T n-Dotriacontane (C32)	18.655	611929	5.897 ug/ml
19) T n-Tetratriacontane (C34)	19.441	549425	5.831 ug/ml
20) T n-Hexatriacontane (C36)	20.182	476252	5.766 ug/ml
21) T n-Octatriacontane (C38)	20.946	432685	5.697 ug/ml
22) T n-Tetracontane (C40)	21.909	410409	5.603 ug/ml

(f)=RT Delta > 1/2 Window

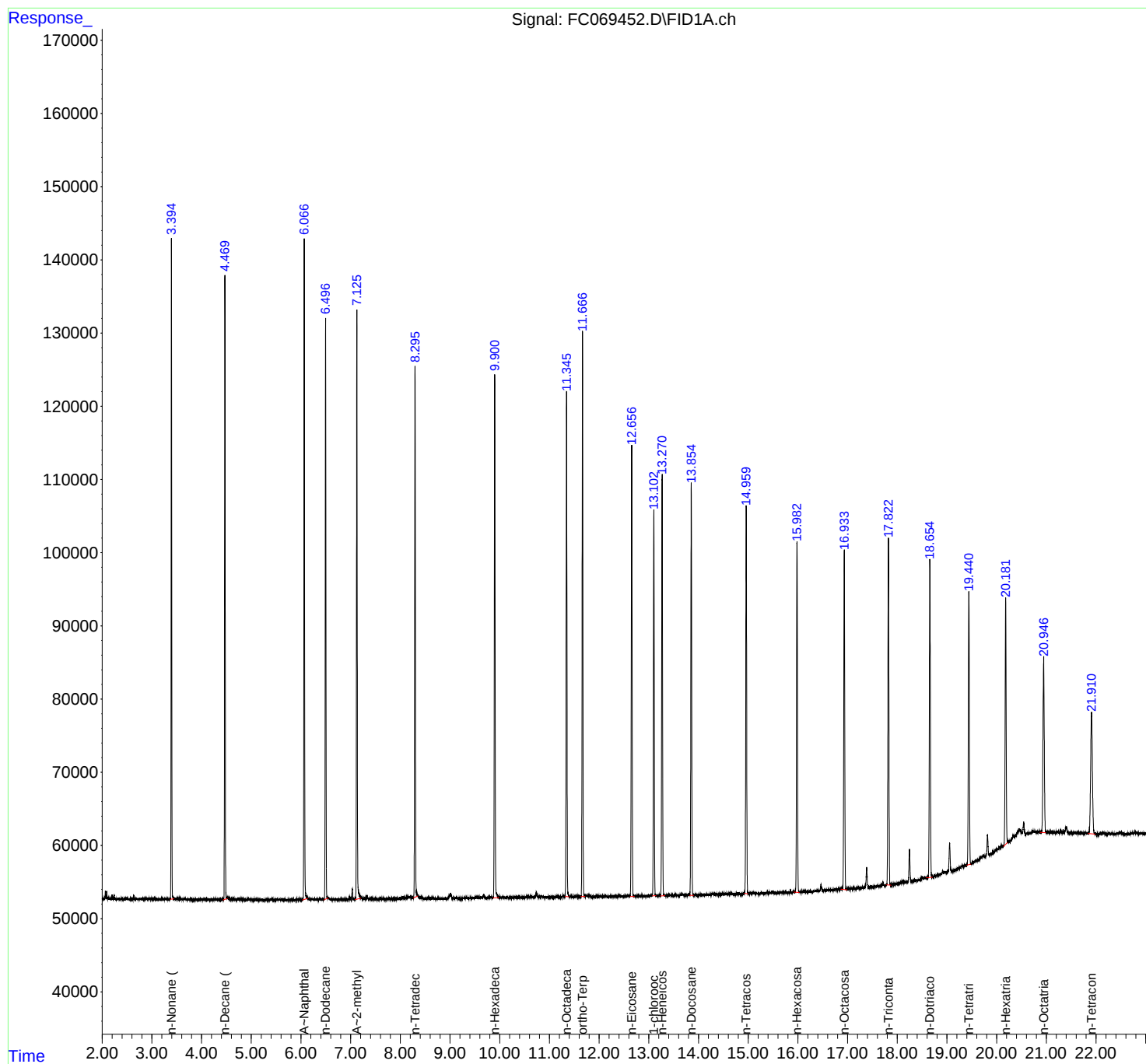
(m)=manual int.

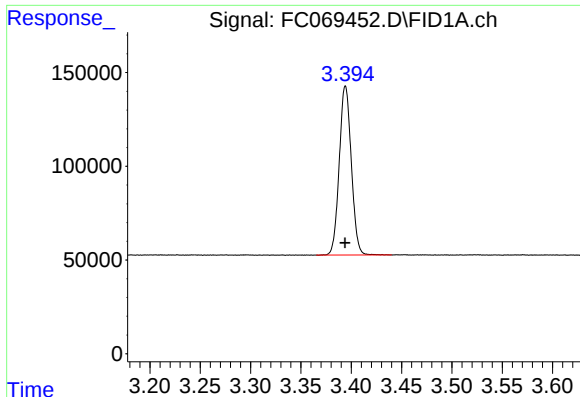
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC071525AL\
Data File : FC069452.D
Signal(s) : FID1A.ch
Acq On : 15 Jul 2025 12:05
Operator : YP/AJ
Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5

Integration File: autoint1.e
Quant Time: Jul 15 12:35:13 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 071525.M
Quant Title : GC Extractables
QLast Update : Tue Jul 15 12:35:06 2025
Response via : Initial Calibration
Integrator: ChemStation

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

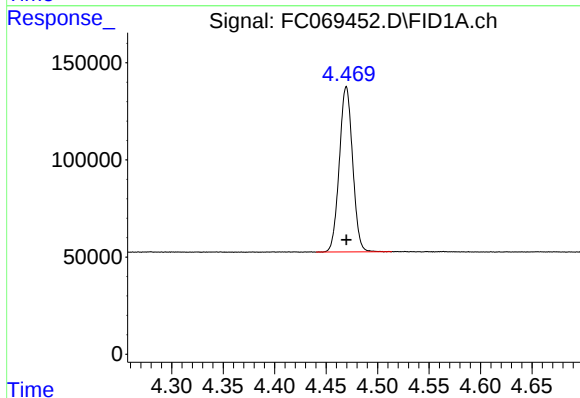




#1 n-Nonane (C9)

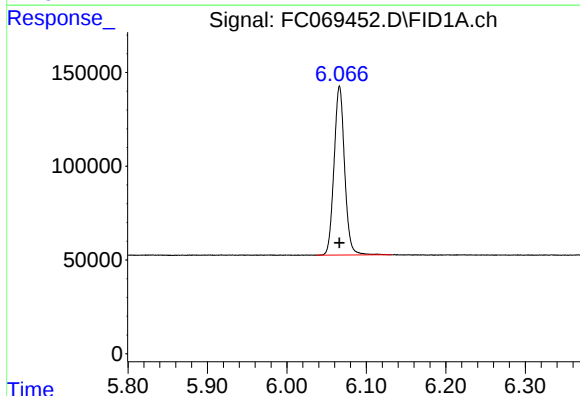
R.T.: 3.394 min
Delta R.T.: 0.000 min
Response: 750485
Conc: 5.51 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



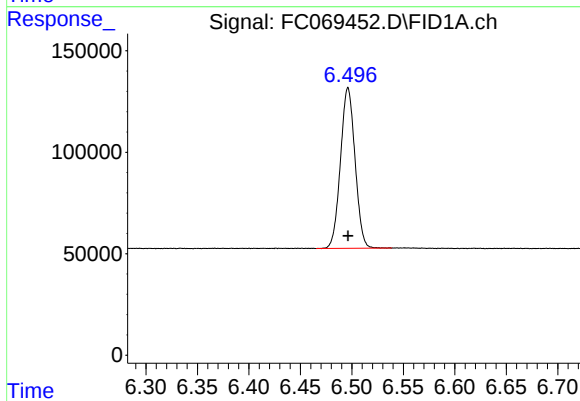
#2 n-Decane (C10)

R.T.: 4.470 min
Delta R.T.: 0.000 min
Response: 765101
Conc: 5.50 ug/ml



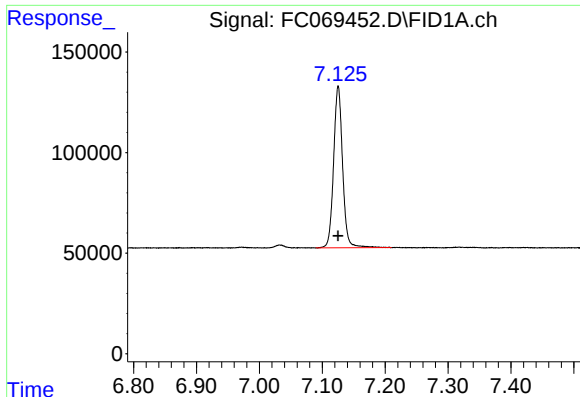
#3 A~Naphthalene (C11.7)

R.T.: 6.066 min
Delta R.T.: 0.000 min
Response: 833004
Conc: 5.51 ug/ml



#4 n-Dodecane (C12)

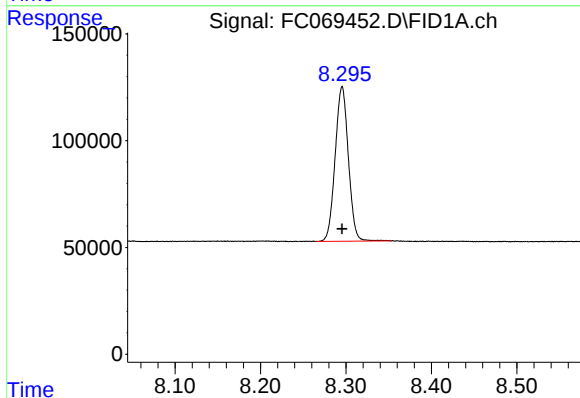
R.T.: 6.496 min
Delta R.T.: 0.000 min
Response: 778847
Conc: 5.50 ug/ml



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

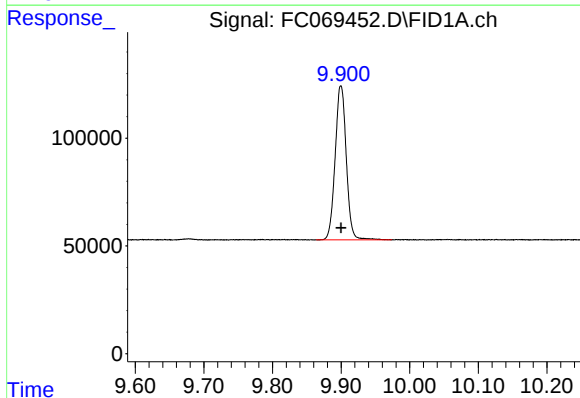
R.T.: 7.125 min
Delta R.T.: 0.000 min
Response: 801282
Conc: 5.48 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



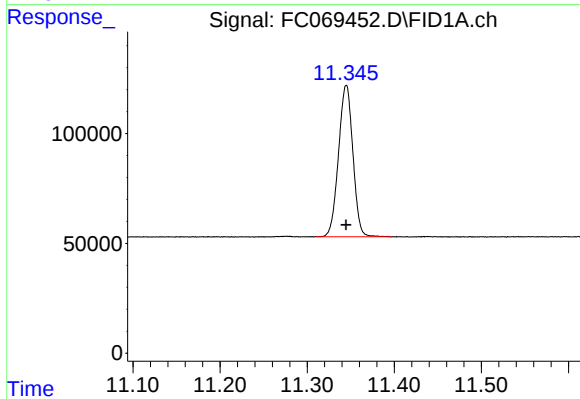
#6 n-Tetradecane (C14)

R.T.: 8.295 min
Delta R.T.: 0.000 min
Response: 778133
Conc: 5.47 ug/ml



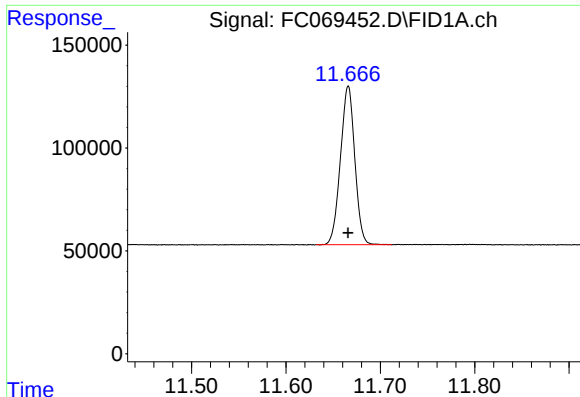
#7 n-Hexadecane (C16)

R.T.: 9.900 min
Delta R.T.: 0.000 min
Response: 803823
Conc: 5.51 ug/ml



#8 n-Octadecane (C18)

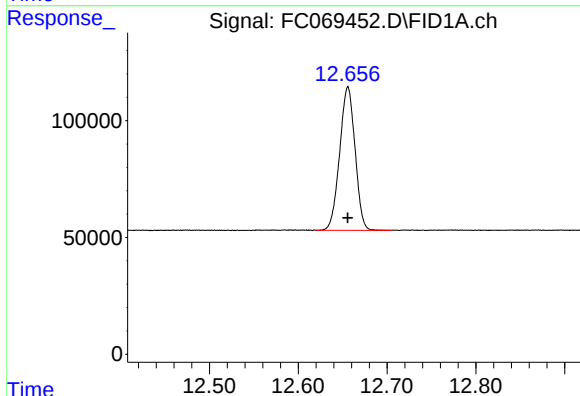
R.T.: 11.345 min
Delta R.T.: 0.000 min
Response: 791730
Conc: 5.50 ug/ml



#9 ortho-Terphenyl (SURR)

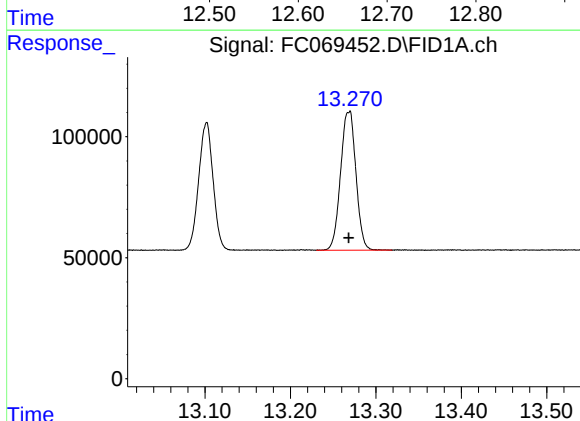
R.T.: 11.666 min
Delta R.T.: 0.000 min
Response: 814301
Conc: 5.49 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



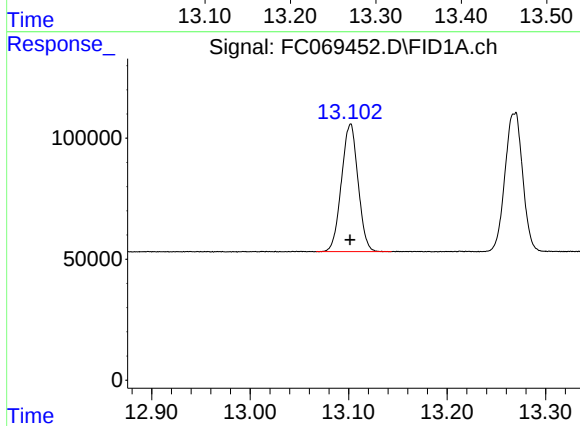
#10 n-Eicosane (C20)

R.T.: 12.656 min
Delta R.T.: 0.000 min
Response: 740380
Conc: 5.51 ug/ml



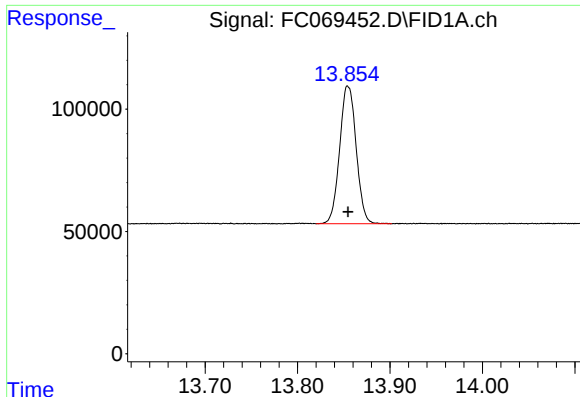
#11 n-Heneicosane (C21)

R.T.: 13.268 min
Delta R.T.: 0.000 min
Response: 716152
Conc: 5.51 ug/ml



#12 1-chlorooctadecane (SURR)

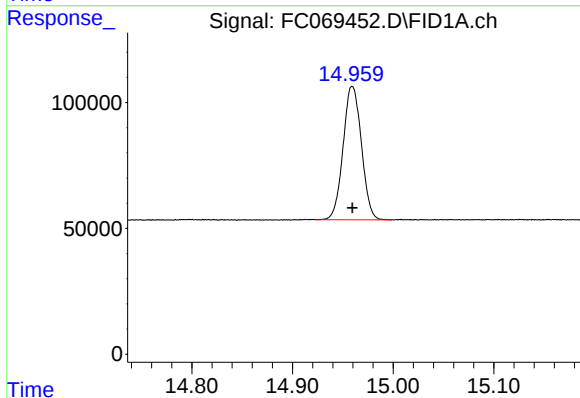
R.T.: 13.102 min
Delta R.T.: 0.000 min
Response: 617490
Conc: 5.46 ug/ml



#13 n-Docosane (C22)

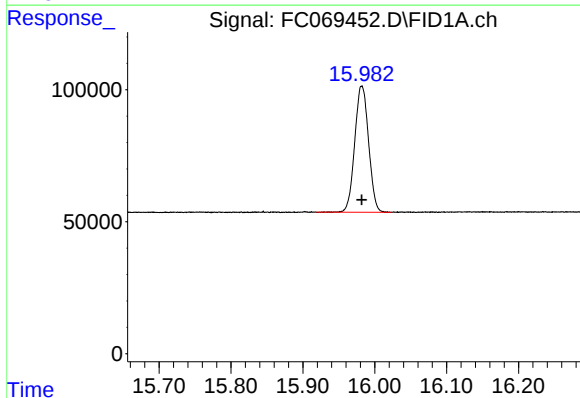
R.T.: 13.855 min
Delta R.T.: 0.000 min
Response: 699269
Conc: 5.51 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



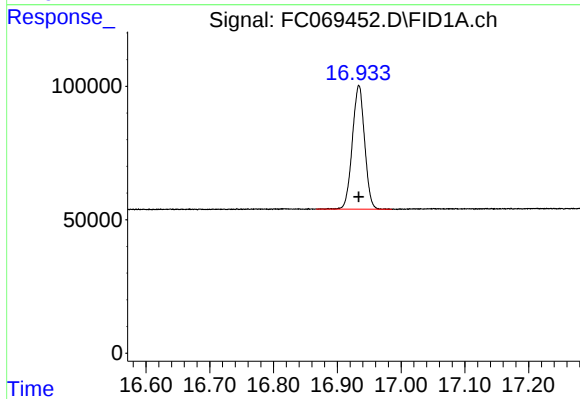
#14 n-Tetracosane (C24)

R.T.: 14.960 min
Delta R.T.: 0.000 min
Response: 670008
Conc: 5.49 ug/ml



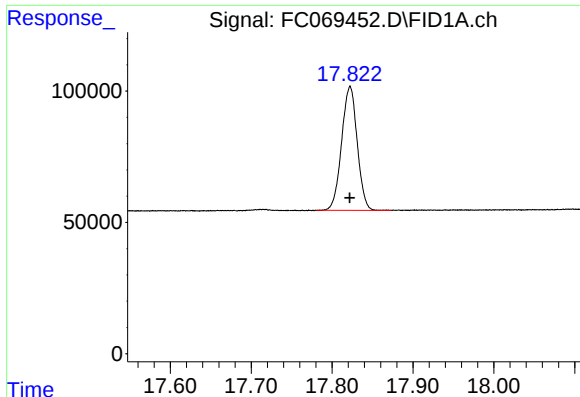
#15 n-Hexacosane (C26)

R.T.: 15.982 min
Delta R.T.: 0.000 min
Response: 639609
Conc: 5.51 ug/ml



#16 n-Octacosane (C28)

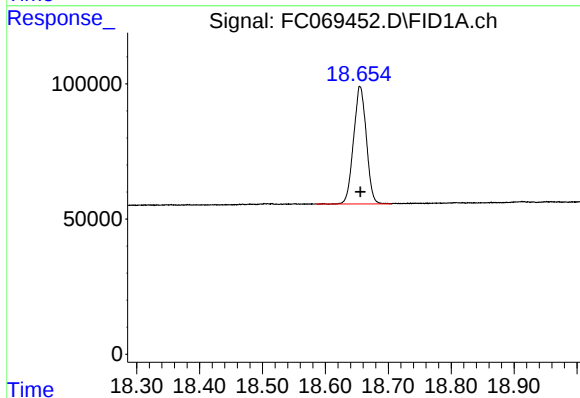
R.T.: 16.934 min
Delta R.T.: 0.000 min
Response: 620060
Conc: 5.60 ug/ml



#17 n-Tricontane (C30)

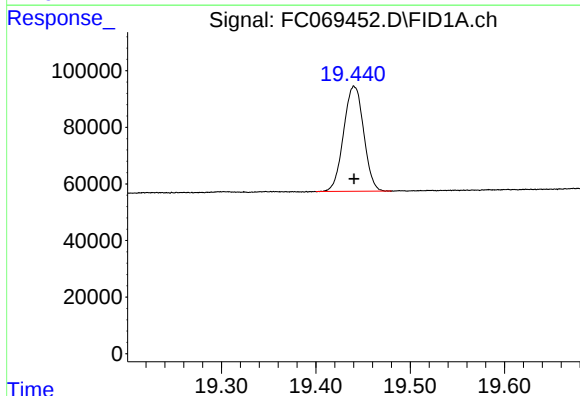
R.T.: 17.822 min
Delta R.T.: 0.000 min
Response: 631378
Conc: 5.77 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



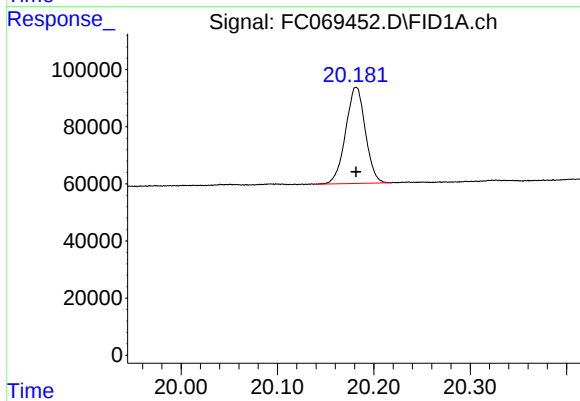
#18 n-Dotriacontane (C32)

R.T.: 18.655 min
Delta R.T.: 0.000 min
Response: 611929
Conc: 5.90 ug/ml



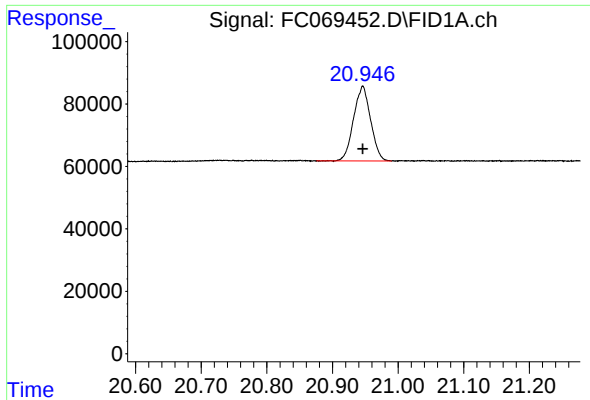
#19 n-Tetratriacontane (C34)

R.T.: 19.441 min
Delta R.T.: 0.000 min
Response: 549425
Conc: 5.83 ug/ml



#20 n-Hexatriacontane (C36)

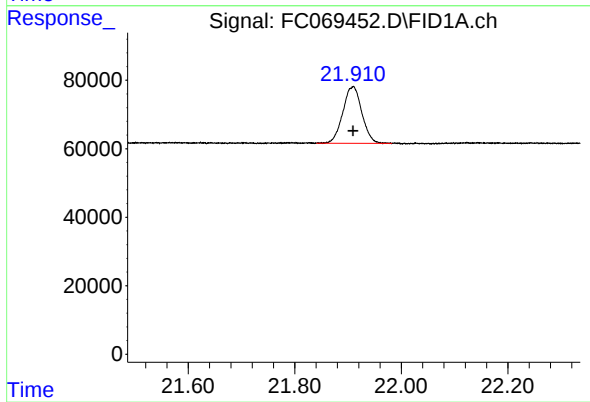
R.T.: 20.182 min
Delta R.T.: 0.000 min
Response: 476252
Conc: 5.77 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.946 min
Delta R.T.: 0.000 min
Response: 432685
Conc: 5.70 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



#22 n-Tetracontane (C40)

R.T.: 21.909 min
Delta R.T.: 0.000 min
Response: 410409
Conc: 5.60 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC071525AL\
Data File : FC069452.D
Signal(s) : FID1A.ch
Acq On : 15 Jul 2025 12:05
Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 15 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 071525.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	3.394	3.365	3.440	BB	90397	750485	90.09%	5.026%
2	4.470	4.440	4.514	BB	85196	765101	91.85%	5.124%
3	6.066	6.037	6.132	BB	90198	833004	100.00%	5.579%
4	6.496	6.465	6.539	BB	79215	778847	93.50%	5.216%
5	7.125	7.090	7.210	BB	80603	801282	96.19%	5.366%
6	8.295	8.265	8.354	BB	72406	778133	93.41%	5.211%
7	9.900	9.864	9.974	BB	71433	803823	96.50%	5.383%
8	11.345	11.310	11.397	BB	69121	791730	95.05%	5.302%
9	11.666	11.632	11.712	BB	77099	814301	97.75%	5.453%
10	12.656	12.620	12.705	BB	61401	740380	88.88%	4.958%
11	13.102	13.067	13.144	BB	52870	617490	74.13%	4.135%
12	13.268	13.230	13.319	BB	56844	716152	85.97%	4.796%
13	13.855	13.820	13.902	BB	55872	699269	83.95%	4.683%
14	14.960	14.924	14.999	BB	52918	670008	80.43%	4.487%
15	15.982	15.919	16.024	BB	47746	639609	76.78%	4.284%
16	16.934	16.867	16.985	BB	46455	620060	74.44%	4.153%
17	17.822	17.780	17.874	BB	47237	631378	75.80%	4.228%
18	18.655	18.585	18.705	BB	43285	611929	73.46%	4.098%
19	19.441	19.400	19.480	BB	37221	549425	65.96%	3.680%
20	20.182	20.140	20.219	BB	33628	476252	57.17%	3.190%
21	20.946	20.875	20.990	BB	24032	432685	51.94%	2.898%
22	21.909	21.840	21.982	BB	16534	410409	49.27%	2.749%
Sum of corrected areas:							14931751	

Aliphatic EPH 071525.M Tue Jul 15 12:40:10 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC071525AL\
 Data File : FC069453.D
 Signal(s) : FID1A.ch
 Acq On : 15 Jul 2025 12:52
 Operator : YP/AJ
 Sample : 20 PPM ALIPHATIC HC STD ICV
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 20 PPM ALIPHATIC HC STD ICV

Integration File: autoint1.e
 Quant Time: Jul 15 13:16:52 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 071525.M
 Quant Title : GC Extractables
 QLast Update : Tue Jul 15 12:35:59 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)	11.668	2845378	19.173 ug/ml
Spiked Amount 50.000		Recovery =	38.35%
12) S 1-chlorooctadecane (S...	13.104	2167375	19.179 ug/ml
Spiked Amount 50.000		Recovery =	38.36%
Target Compounds			
1) T n-Nonane (C9)	3.400	2643588	19.427 ug/ml
2) T n-Decane (C10)	4.474	2716268	19.516 ug/ml
3) T A~Naphthalene (C11.7)	6.068	2929559	19.387 ug/ml
4) T n-Dodecane (C12)	6.499	2786385	19.659 ug/ml
5) T A~2-methylnaphthalene...	7.128	2828279	19.359 ug/ml
6) T n-Tetradecane (C14)	8.298	2809138	19.757 ug/ml
7) T n-Hexadecane (C16)	9.902	2870883	19.669 ug/ml
8) T n-Octadecane (C18)	11.347	2802831	19.485 ug/ml
10) T n-Eicosane (C20)	12.658	2593298	19.317 ug/ml
11) T n-Heneicosane (C21)	13.271	2502094	19.263 ug/ml
13) T n-Docosane (C22)	13.858	2437741	19.193 ug/ml
14) T n-Tetracosane (C24)	14.962	2338129	19.157 ug/ml
15) T n-Hexacosane (C26)	15.985	2218225	19.093 ug/ml
16) T n-Octacosane (C28)	16.935	2114801	19.102 ug/ml
17) T n-Tricontane (C30)	17.824	2102291	19.199 ug/ml
18) T n-Dotriacontane (C32)	18.658	2003331	19.305 ug/ml
19) T n-Tetratriacontane (C34)	19.442	1827746	19.397 ug/ml
20) T n-Hexatriacontane (C36)	20.184	1603885	19.418 ug/ml
21) T n-Octatriacontane (C38)	20.948	1475764	19.430 ug/ml
22) T n-Tetracontane (C40)	21.911	1429602	19.517 ug/ml

(f)=RT Delta > 1/2 Window

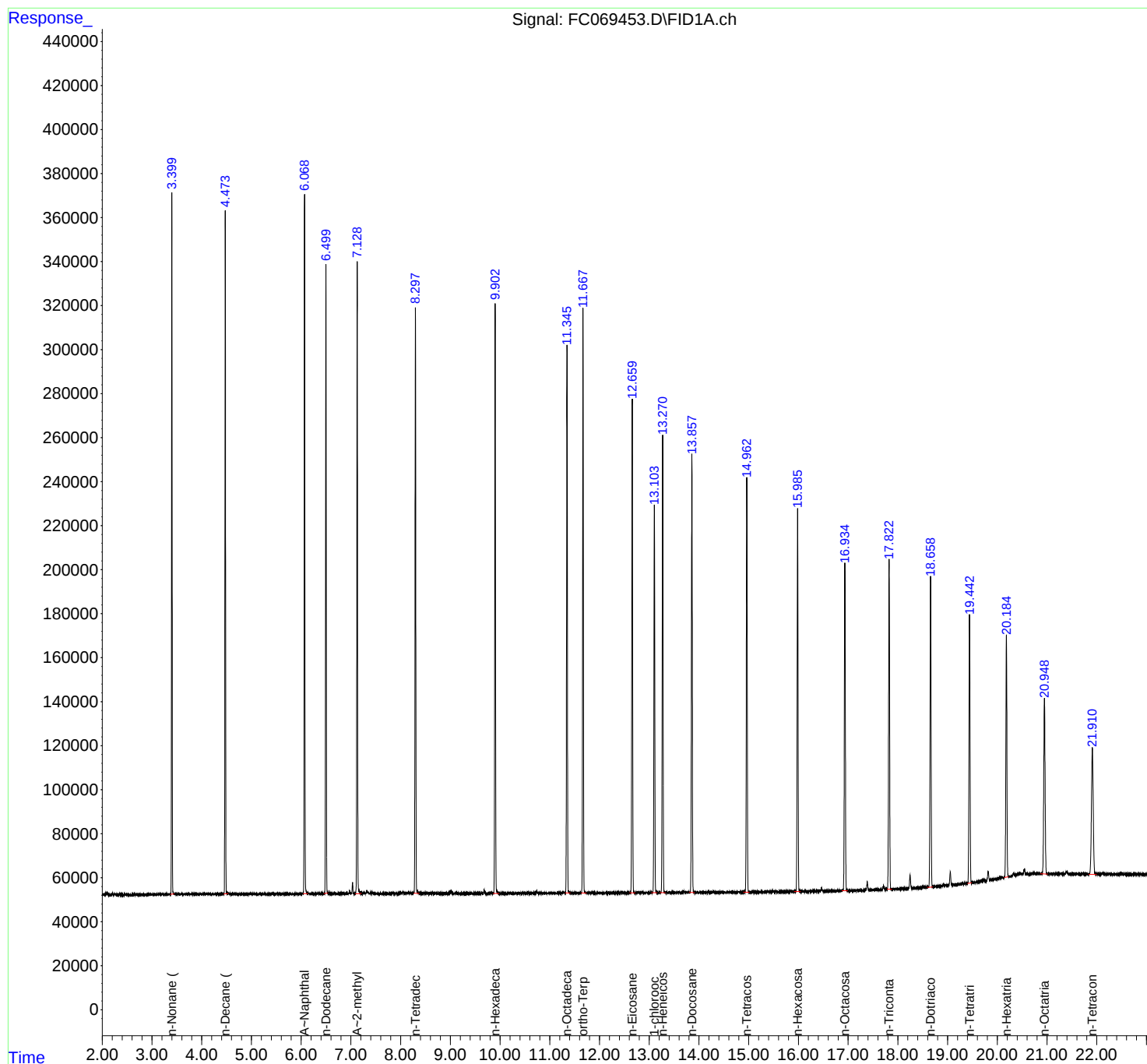
(m)=manual int.

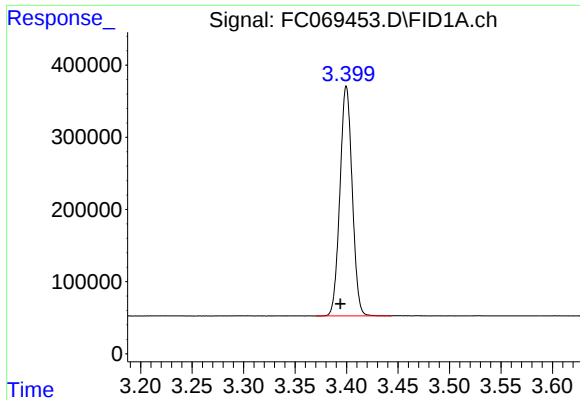
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC071525AL\
Data File : FC069453.D
Signal(s) : FID1A.ch
Acq On : 15 Jul 2025 12:52
Operator : YP/AJ
Sample : 20 PPM ALIPHATIC HC STD ICV
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV

Integration File: autoint1.e
Quant Time: Jul 15 13:16:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 071525.M
Quant Title : GC Extractables
QLast Update : Tue Jul 15 12:35:59 2025
Response via : Initial Calibration
Integrator: ChemStation

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

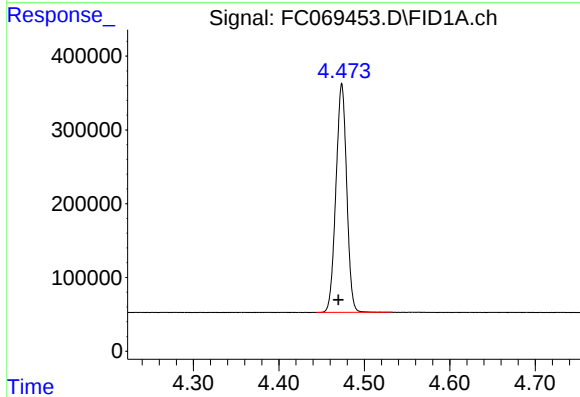




#1 n-Nonane (C9)

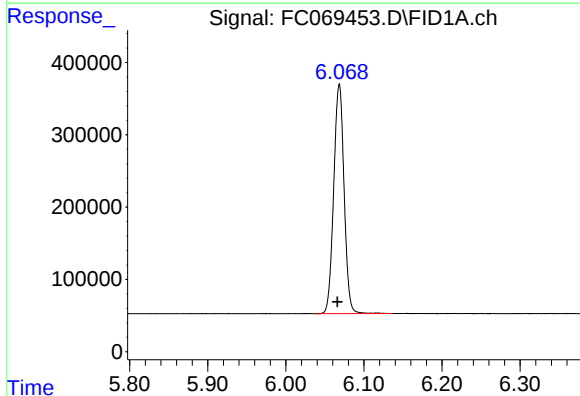
R.T.: 3.400 min
Delta R.T.: 0.006 min
Response: 2643588
Conc: 19.43 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



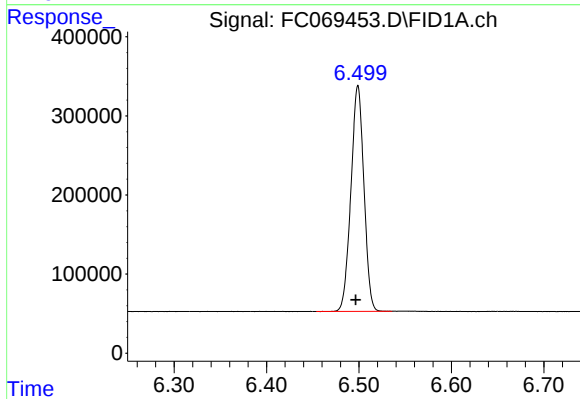
#2 n-Decane (C10)

R.T.: 4.474 min
Delta R.T.: 0.004 min
Response: 2716268
Conc: 19.52 ug/ml



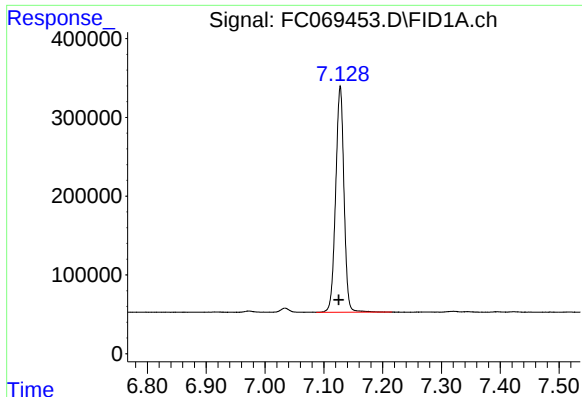
#3 A~Naphthalene (C11.7)

R.T.: 6.068 min
Delta R.T.: 0.002 min
Response: 2929559
Conc: 19.39 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.499 min
Delta R.T.: 0.002 min
Response: 2786385
Conc: 19.66 ug/ml



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

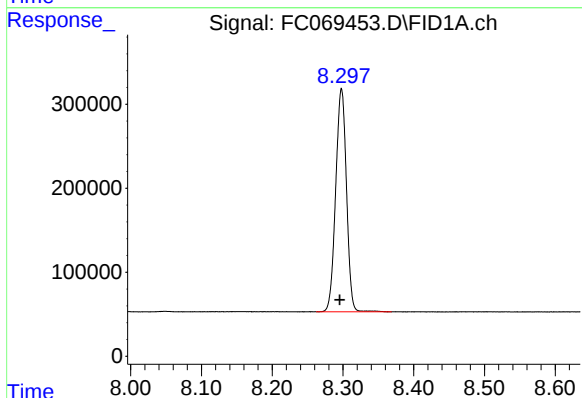
R.T.: 7.128 min
Delta R.T.: 0.002 min
Response: 2828279
Conc: 19.36 ug/ml

Instrument :

FID_C

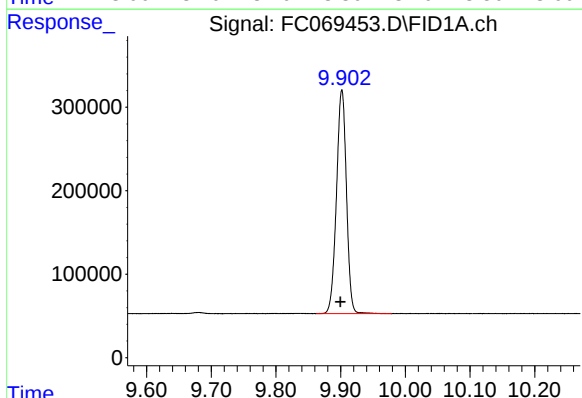
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



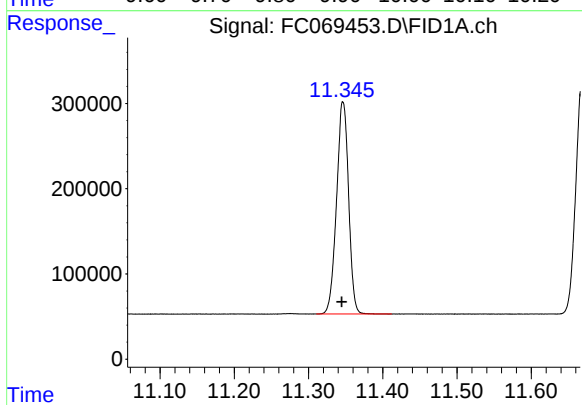
#6 n-Tetradecane (C14)

R.T.: 8.298 min
Delta R.T.: 0.002 min
Response: 2809138
Conc: 19.76 ug/ml



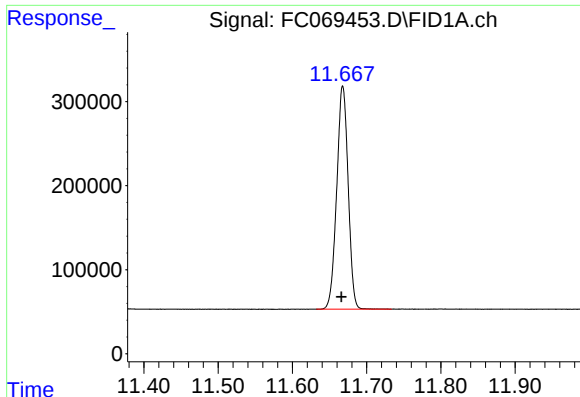
#7 n-Hexadecane (C16)

R.T.: 9.902 min
Delta R.T.: 0.002 min
Response: 2870883
Conc: 19.67 ug/ml



#8 n-Octadecane (C18)

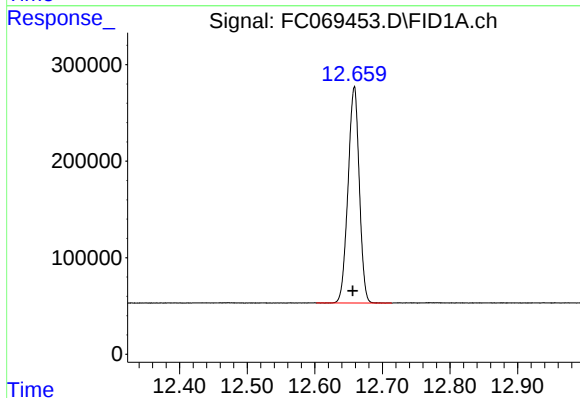
R.T.: 11.347 min
Delta R.T.: 0.002 min
Response: 2802831
Conc: 19.48 ug/ml



#9 ortho-Terphenyl (SURR)

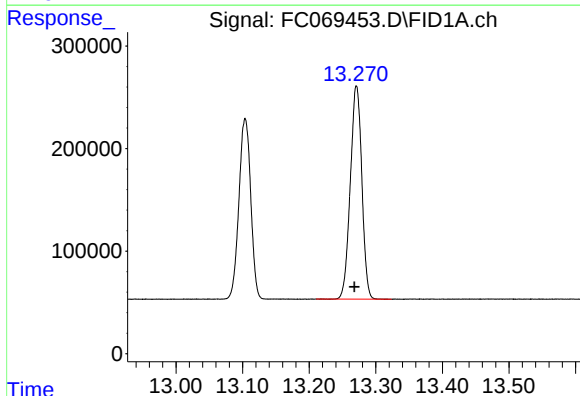
R.T.: 11.668 min
Delta R.T.: 0.002 min
Response: 2845378
Conc: 19.17 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



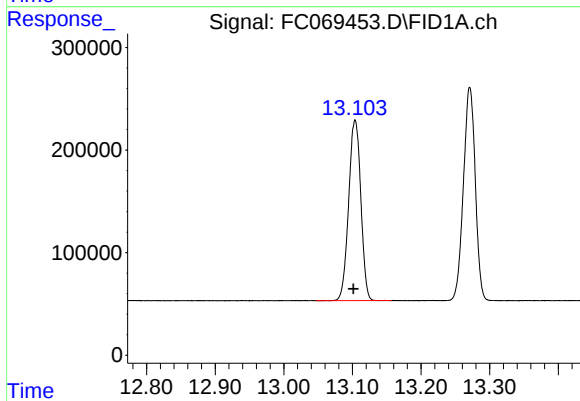
#10 n-Eicosane (C20)

R.T.: 12.658 min
Delta R.T.: 0.002 min
Response: 2593298
Conc: 19.32 ug/ml



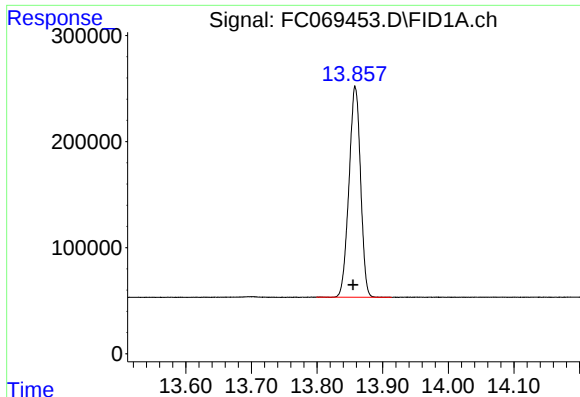
#11 n-Heneicosane (C21)

R.T.: 13.271 min
Delta R.T.: 0.003 min
Response: 2502094
Conc: 19.26 ug/ml



#12 1-chlorooctadecane (SURR)

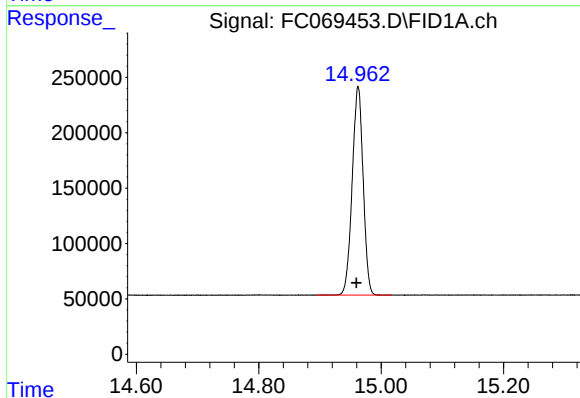
R.T.: 13.104 min
Delta R.T.: 0.002 min
Response: 2167375
Conc: 19.18 ug/ml



#13 n-Docosane (C22)

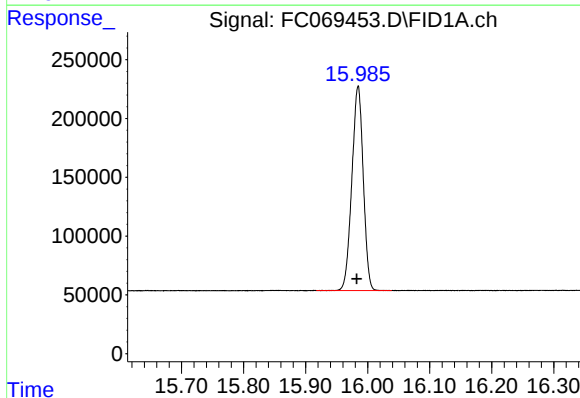
R.T.: 13.858 min
Delta R.T.: 0.003 min
Response: 2437741
Conc: 19.19 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



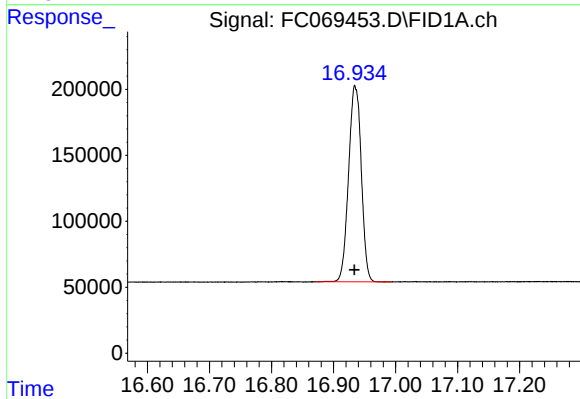
#14 n-Tetracosane (C24)

R.T.: 14.962 min
Delta R.T.: 0.003 min
Response: 2338129
Conc: 19.16 ug/ml



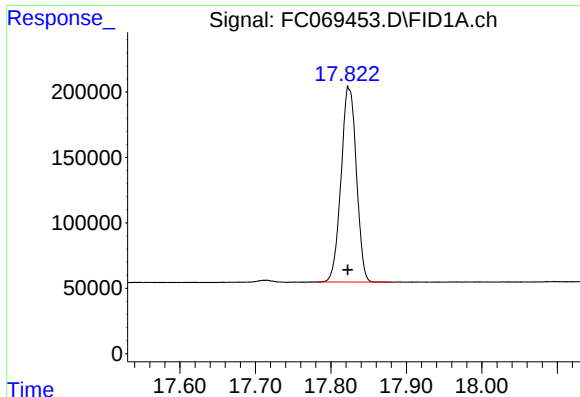
#15 n-Hexacosane (C26)

R.T.: 15.985 min
Delta R.T.: 0.002 min
Response: 2218225
Conc: 19.09 ug/ml



#16 n-Octacosane (C28)

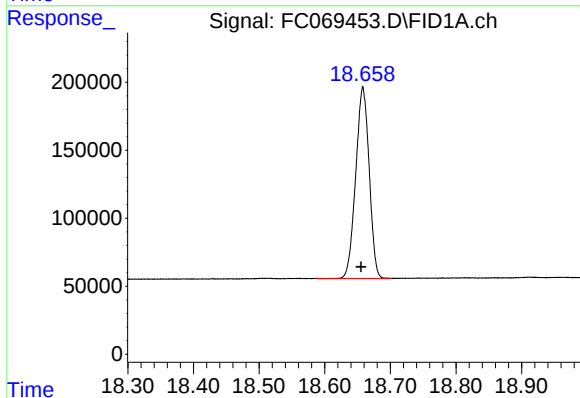
R.T.: 16.935 min
Delta R.T.: 0.001 min
Response: 2114801
Conc: 19.10 ug/ml



#17 n-Tricontane (C30)

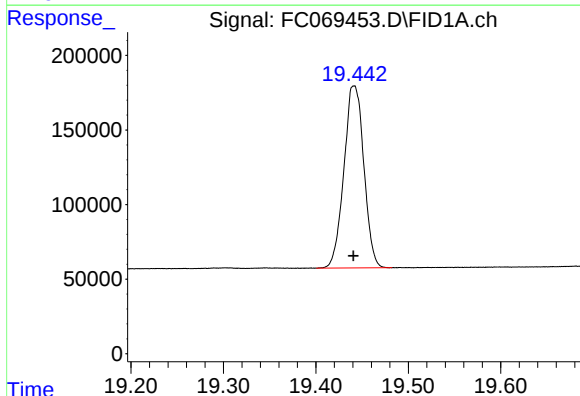
R.T.: 17.824 min
Delta R.T.: 0.002 min
Response: 2102291
Conc: 19.20 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



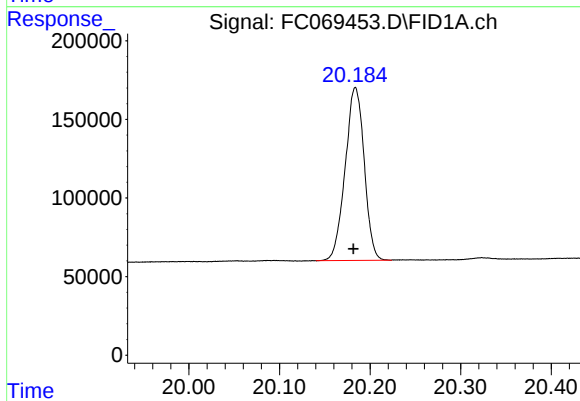
#18 n-Dotriacontane (C32)

R.T.: 18.658 min
Delta R.T.: 0.003 min
Response: 2003331
Conc: 19.31 ug/ml



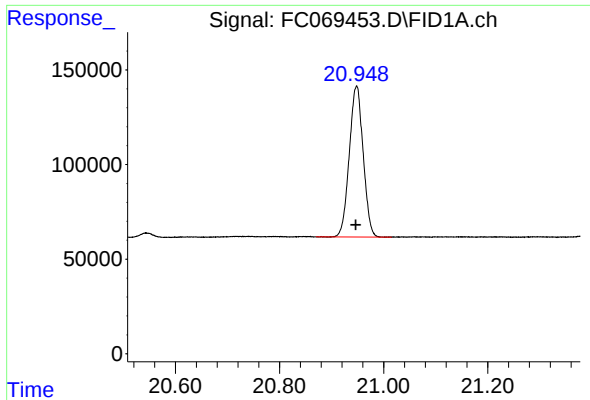
#19 n-Tetratriacontane (C34)

R.T.: 19.442 min
Delta R.T.: 0.000 min
Response: 1827746
Conc: 19.40 ug/ml



#20 n-Hexatriacontane (C36)

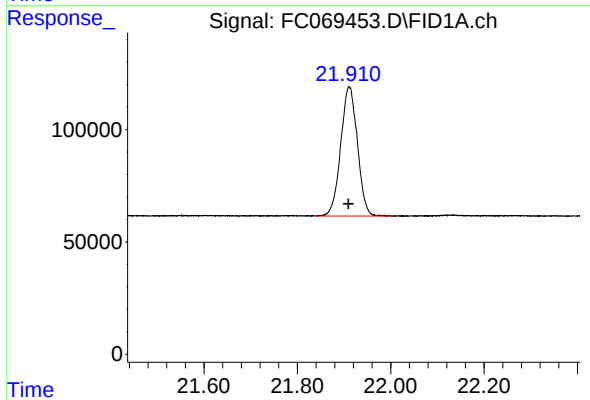
R.T.: 20.184 min
Delta R.T.: 0.002 min
Response: 1603885
Conc: 19.42 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.948 min
Delta R.T.: 0.002 min
Response: 1475764
Conc: 19.43 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



#22 n-Tetracontane (C40)

R.T.: 21.911 min
Delta R.T.: 0.002 min
Response: 1429602
Conc: 19.52 ug/ml