

Initial Calibration Report for SequenceID : FC100725AL

AreaCount

Parameter Range	FC069937.D	FC069938.D	FC069939.D	FC069940.D	FC069941.D	
Aliphatic C9-C12	43171011.000	21250743.000	8161064.000	4428028.000	2320985.000	
Aliphatic C12-C16	33016544.000	16243273.000	6102029.000	3325280.000	1725815.000	
Aliphatic C16-C21	48108317.000	24065038.000	8973438.000	4960785.000	2610241.000	
Aliphatic C21-C28	55364172.000	28241357.000	10328099.000	6018987.000	3530371.000	
Aliphatic C28-C40	59763237.000	30083253.000	11204955.000	6723680.000	3980409.000	
Aliphatic EPH	239423281.000	119883664.000	44769585.000	25456760.000	14167821.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aliphatic C9-C12	144785.1979998	4.813				
Aliphatic C12-C16	163782.335	4.458				
Aliphatic C16-C21	161945.5019996	5.485				
Aliphatic C21-C28	147142.3355	12.304				
Aliphatic C28-C40	107599.8326666	14.464				
Aliphatic EPH	137884.7282218	9.049				

Concentration

Parameter Range	FC069937.D	FC069938.D	FC069939.D	FC069940.D	FC069941.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	FC069937.D	FC069938.D	FC069939.D	FC069940.D	FC069941.D	
Aliphatic C9-C12	143903.370000	141671.620000	136017.733333	147600.933333	154732.333333	
Aliphatic C12-C16	165082.720000	162432.730000	152550.725000	166264.000000	172581.500000	
Aliphatic C16-C21	160361.056666	160433.586666	149557.300000	165359.500000	174016.066666	

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Aliphatic C21-C28	138410.430000	141206.785000	129101.237500	150474.675000	176518.550000	
Aliphatic C28-C40	99605.395000	100277.510000	93374.625000	112061.333333	132680.300000	
Aliphatic EPH	133012.933888	133204.071111	124359.958333	141426.444444	157420.233333	

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC100725AL\
 Data File : FC069937.D
 Signal(s) : FID1A.ch
 Acq On : 06 Oct 2025 16:17
 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: Oct 07 09:27:36 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100725.M
 Quant Title : GC Extractables
 QLast Update : Tue Oct 07 09:26:41 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)	11.657	17428523	107.789 ug/ml
Spiked Amount 50.000		Recovery =	215.58%
12) S 1-chlorooctadecane (S...	13.088	13491128	107.925 ug/ml
Spiked Amount 50.000		Recovery =	215.85%
Target Compounds			
1) T n-Nonane (C9)	3.388	13511792	104.492 ug/ml
2) T n-Decane (C10)	4.461	14269174	105.512 ug/ml
3) T A~Naphthalene (C11.7)	6.056	16109041	106.057 ug/ml
4) T n-Dodecane (C12)	6.485	15390045	107.242 ug/ml
5) T A~2-methylnaphthalene...	7.116	16083838	107.576 ug/ml
6) T n-Tetradecane (C14)	8.283	16089121	108.439 ug/ml
7) T n-Hexadecane (C16)	9.887	16927423	108.003 ug/ml
8) T n-Octadecane (C18)	11.334	16924222	107.107 ug/ml
10) T n-Eicosane (C20)	12.643	15851454	107.240 ug/ml
11) T n-Heneicosane (C21)	13.256	15332641	107.336 ug/ml
13) T n-Docosane (C22)	13.843	14972967	107.364 ug/ml
14) T n-Tetracosane (C24)	14.946	14292557	107.227 ug/ml
15) T n-Hexacosane (C26)	15.967	13453877	107.130 ug/ml
16) T n-Octacosane (C28)	16.919	12644771	107.096 ug/ml
17) T n-Tricontane (C30)	17.806	12335576	107.079 ug/ml
18) T n-Dotriacontane (C32)	18.639	11541380	106.981 ug/ml
19) T n-Tetratriacontane (C34)	19.422	10438103	106.669 ug/ml
20) T n-Hexatriacontane (C36)	20.162	9085745	105.941 ug/ml
21) T n-Octatriacontane (C38)	20.920	8347689	106.483 ug/ml
22) T n-Tetracontane (C40)	21.873	8014744	106.647 ug/ml

(f)=RT Delta > 1/2 Window

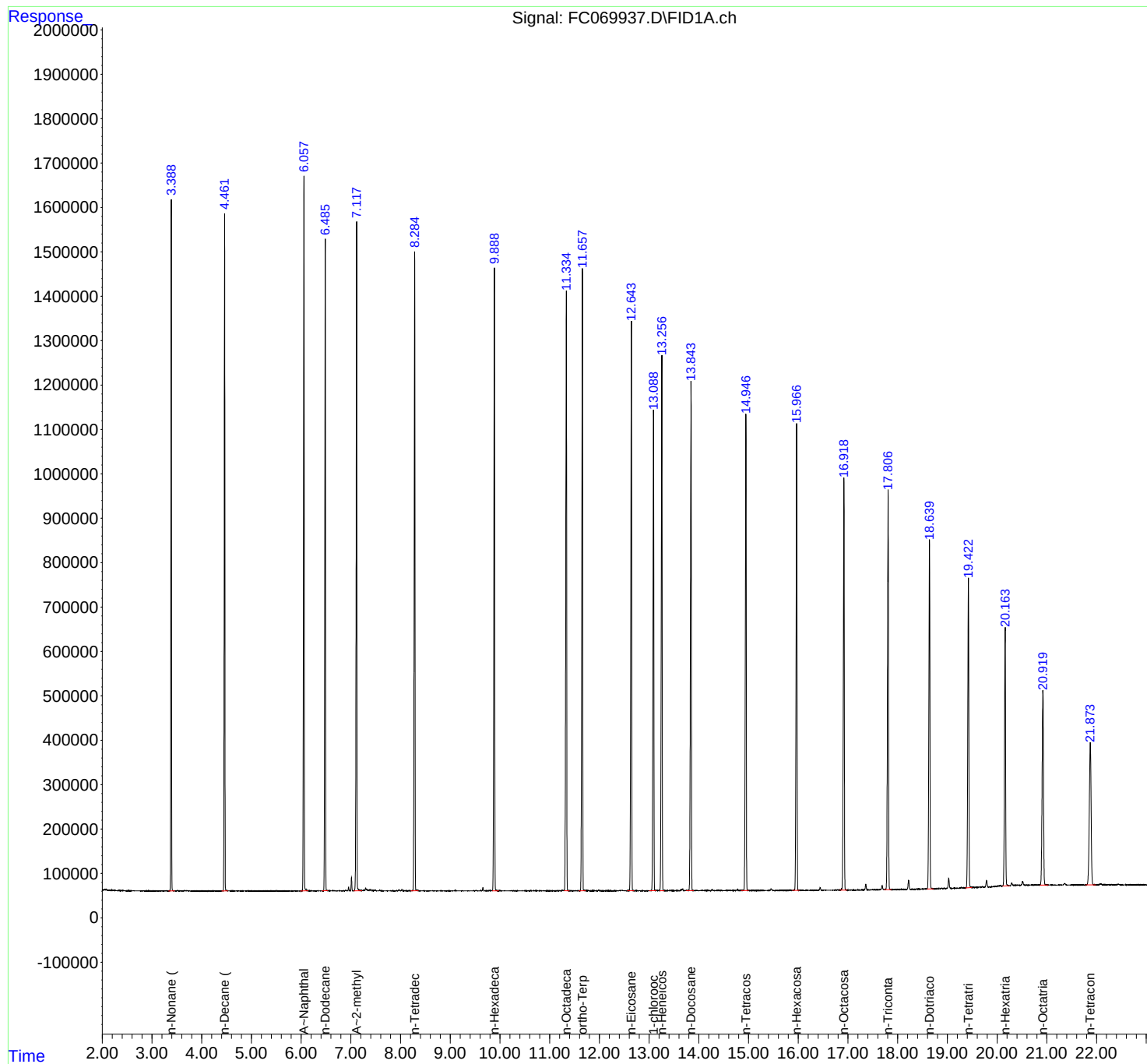
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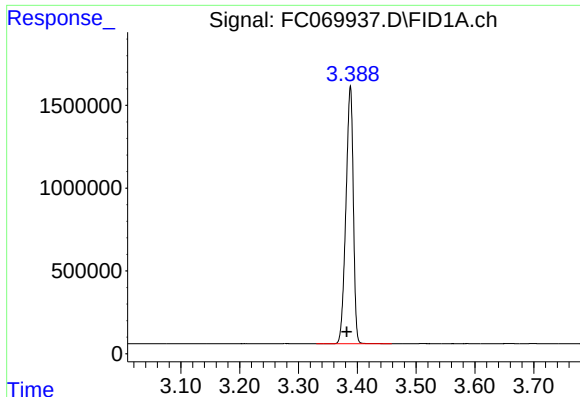
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Data File : FC069937.D
Signal(s) : FID1A.ch
Acq On : 06 Oct 2025 16:17
Operator : YP/AJ
Sample : 100 PPM ALIPHATIC HC STD1
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1

Integration File: autoint1.e
Quant Time: Oct 07 09:27:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100725.M
Quant Title : GC Extractables
QLast Update : Tue Oct 07 09:26:41 2025
Response via : Initial Calibration
Integrator: ChemStation

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

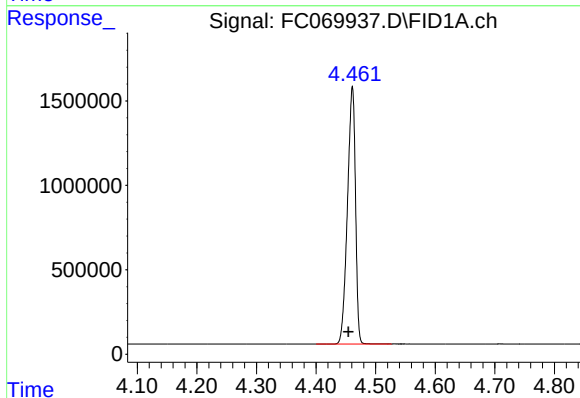




#1 n-Nonane (C9)

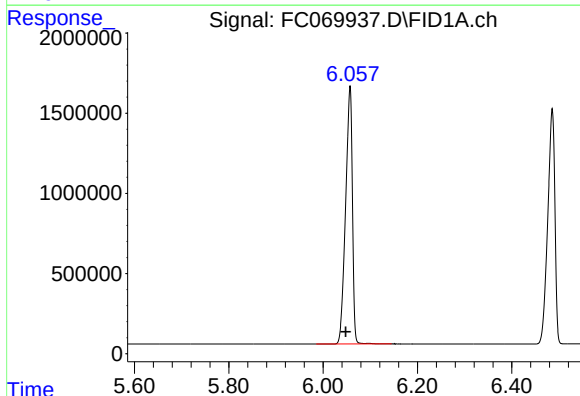
R.T.: 3.388 min
Delta R.T.: 0.006 min
Response: 13511792
Conc: 104.49 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



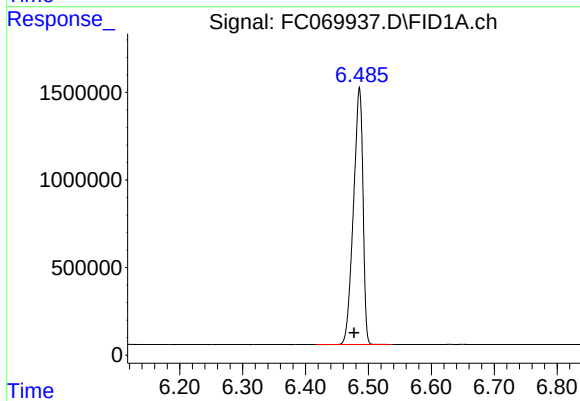
#2 n-Decane (C10)

R.T.: 4.461 min
Delta R.T.: 0.006 min
Response: 14269174
Conc: 105.51 ug/ml



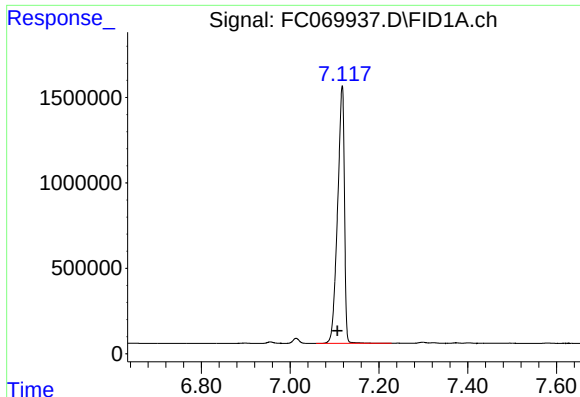
#3 A~Naphthalene (C11.7)

R.T.: 6.056 min
Delta R.T.: 0.008 min
Response: 16109041
Conc: 106.06 ug/ml



#4 n-Dodecane (C12)

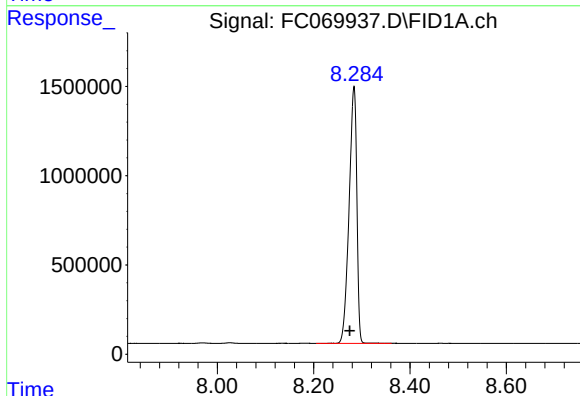
R.T.: 6.485 min
Delta R.T.: 0.008 min
Response: 15390045
Conc: 107.24 ug/ml



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

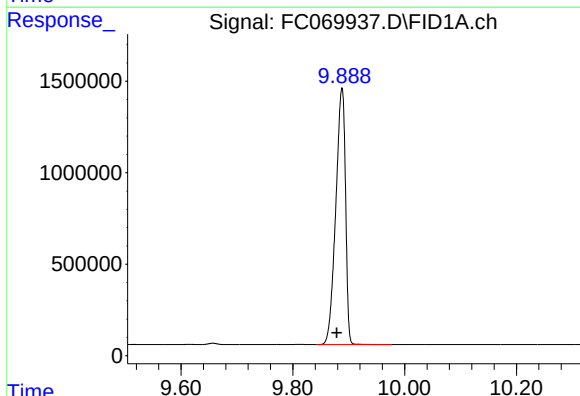
R.T.: 7.116 min
Delta R.T.: 0.010 min
Response: 16083838
Conc: 107.58 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



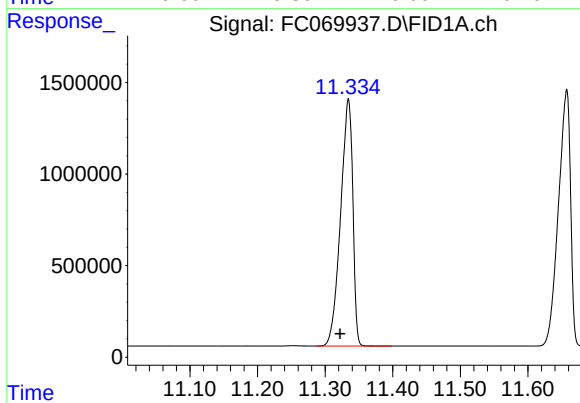
#6 n-Tetradecane (C14)

R.T.: 8.283 min
Delta R.T.: 0.008 min
Response: 16089121
Conc: 108.44 ug/ml



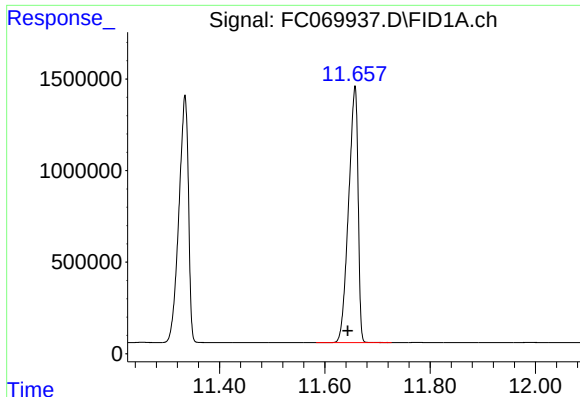
#7 n-Hexadecane (C16)

R.T.: 9.887 min
Delta R.T.: 0.009 min
Response: 16927423
Conc: 108.00 ug/ml



#8 n-Octadecane (C18)

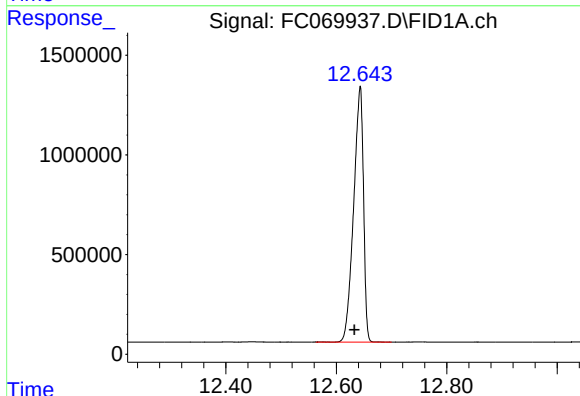
R.T.: 11.334 min
Delta R.T.: 0.012 min
Response: 16924222
Conc: 107.11 ug/ml



#9 ortho-Terphenyl (SURR)

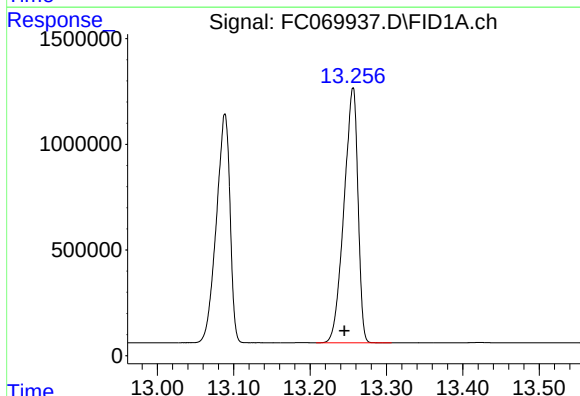
R.T.: 11.657 min
Delta R.T.: 0.013 min
Response: 17428523
Conc: 107.79 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



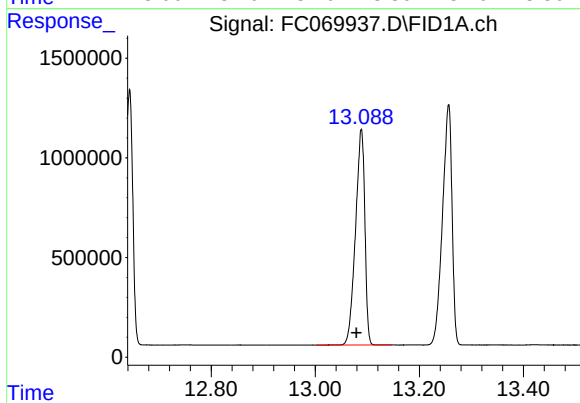
#10 n-Eicosane (C20)

R.T.: 12.643 min
Delta R.T.: 0.010 min
Response: 15851454
Conc: 107.24 ug/ml



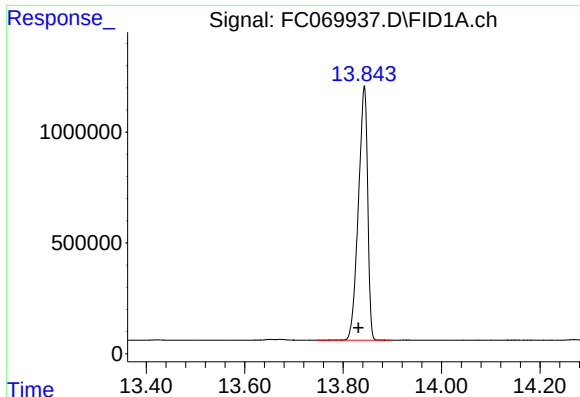
#11 n-Heneicosane (C21)

R.T.: 13.256 min
Delta R.T.: 0.011 min
Response: 15332641
Conc: 107.34 ug/ml



#12 1-chlorooctadecane (SURR)

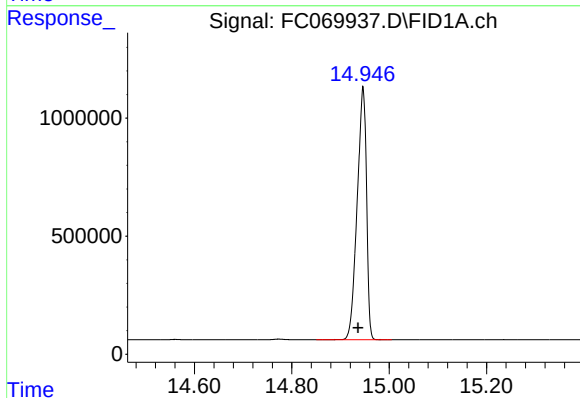
R.T.: 13.088 min
Delta R.T.: 0.009 min
Response: 13491128
Conc: 107.92 ug/ml



#13 n-Docosane (C22)

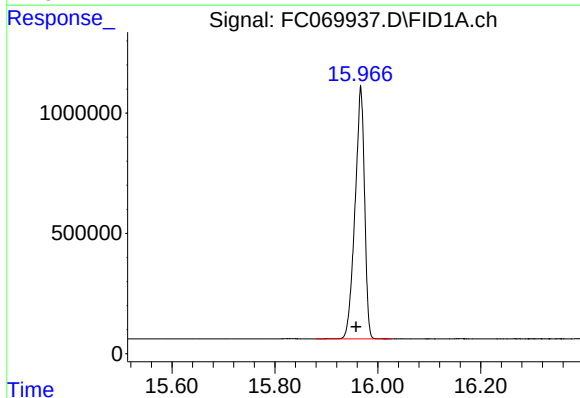
R.T.: 13.843 min
Delta R.T.: 0.012 min
Response: 14972967
Conc: 107.36 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



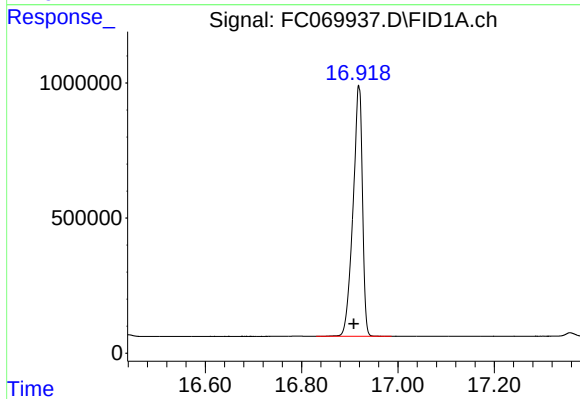
#14 n-Tetracosane (C24)

R.T.: 14.946 min
Delta R.T.: 0.010 min
Response: 14292557
Conc: 107.23 ug/ml



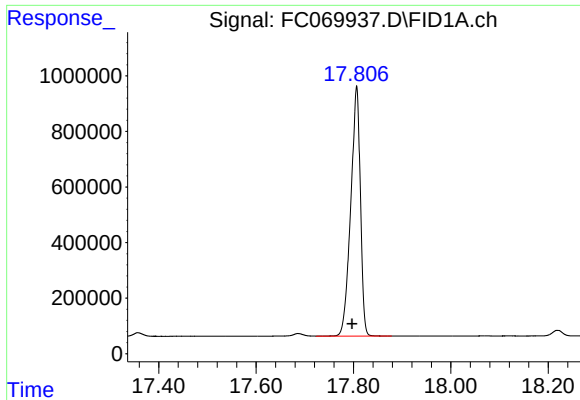
#15 n-Hexacosane (C26)

R.T.: 15.967 min
Delta R.T.: 0.009 min
Response: 13453877
Conc: 107.13 ug/ml



#16 n-Octacosane (C28)

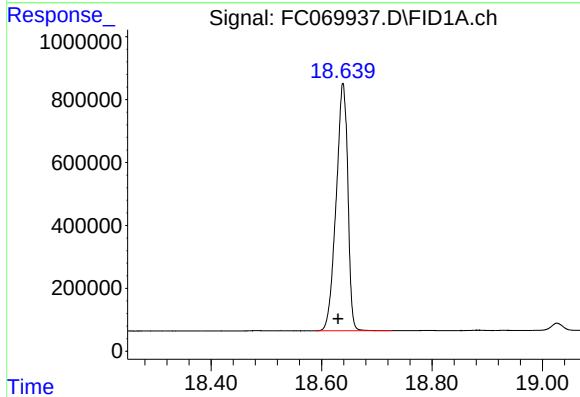
R.T.: 16.919 min
Delta R.T.: 0.011 min
Response: 12644771
Conc: 107.10 ug/ml



#17 n-Tricontane (C30)

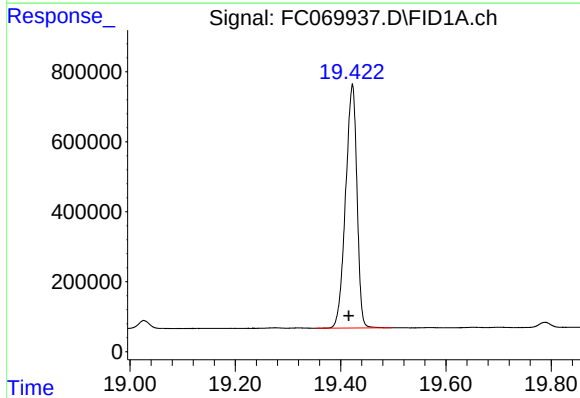
R.T.: 17.806 min
Delta R.T.: 0.009 min
Response: 12335576
Conc: 107.08 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



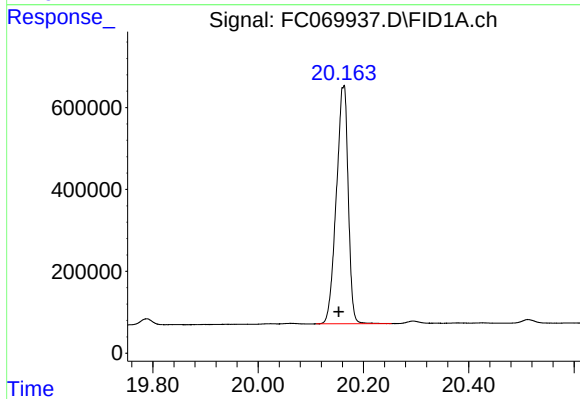
#18 n-Dotriacontane (C32)

R.T.: 18.639 min
Delta R.T.: 0.009 min
Response: 11541380
Conc: 106.98 ug/ml



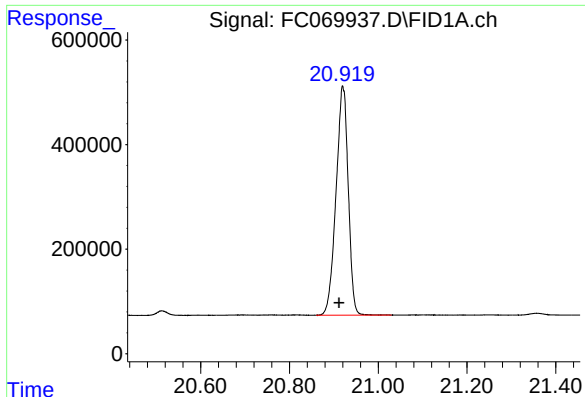
#19 n-Tetratriacontane (C34)

R.T.: 19.422 min
Delta R.T.: 0.007 min
Response: 10438103
Conc: 106.67 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.162 min
Delta R.T.: 0.008 min
Response: 9085745
Conc: 105.94 ug/ml



#21 n-Octatriacontane (C38)

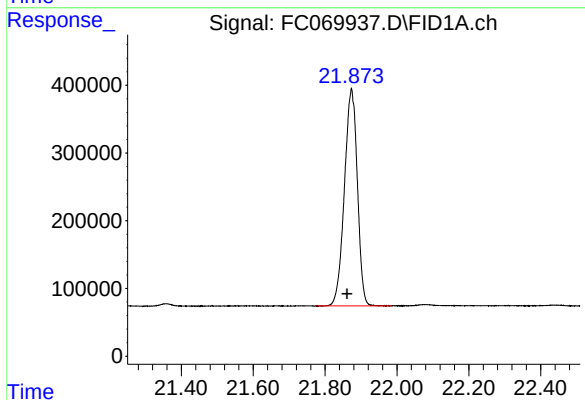
R.T.: 20.920 min
Delta R.T.: 0.009 min
Response: 8347689
Conc: 106.48 ug/ml

Instrument :

FID_C

ClientSampleId :

100 PPM ALIPHATIC HC STD1



#22 n-Tetracontane (C40)

R.T.: 21.873 min
Delta R.T.: 0.012 min
Response: 8014744
Conc: 106.65 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC100725AL\
Data File : FC069937.D
Signal(s) : FID1A.ch
Acq On : 06 Oct 2025 16:17
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 100725.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	3.388	3.330	3.458	BB	1566610	13511792	77.53%	4.466%
2	4.461	4.400	4.527	BB	1518640	14269174	81.87%	4.717%
3	6.056	5.985	6.145	BB	1611621	16109041	92.43%	5.325%
4	6.485	6.417	6.537	BB	1464377	15390045	88.30%	5.087%
5	7.116	7.058	7.228	BV	1506266	16083838	92.28%	5.316%
6	8.283	8.205	8.362	BB	1437784	16089121	92.31%	5.318%
7	9.887	9.842	9.977	PB	1398162	16927423	97.12%	5.595%
8	11.334	11.287	11.398	BB	1347994	16924222	97.11%	5.594%
9	11.657	11.583	11.727	BB	1396107	17428523	100.00%	5.761%
10	12.643	12.563	12.700	BB	1292543	15851454	90.95%	5.240%
11	13.088	13.002	13.147	BB	1084327	13491128	77.41%	4.459%
12	13.256	13.208	13.307	PB	1204698	15332641	87.97%	5.068%
13	13.843	13.745	13.898	BB	1152336	14972967	85.91%	4.949%
14	14.946	14.850	15.005	BB	1071747	14292557	82.01%	4.724%
15	15.967	15.880	16.027	BB	1049540	13453877	77.19%	4.447%
16	16.919	16.830	16.987	BB	929151	12644771	72.55%	4.180%
17	17.806	17.723	17.878	VB	901911	12335576	70.78%	4.077%
18	18.639	18.590	18.727	BB	786911	11541380	66.22%	3.815%
19	19.422	19.353	19.497	BB	695978	10438103	59.89%	3.450%
20	20.162	20.110	20.253	BV	577405	9085745	52.13%	3.003%
21	20.920	20.860	21.030	BB	437337	8347689	47.90%	2.759%
22	21.873	21.775	21.985	BB	321349	8014744	45.99%	2.649%
Sum of corrected areas:						302535810		

Aliphatic EPH 100725.M Tue Oct 07 09:55:43 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC100725AL\
 Data File : FC069938.D
 Signal(s) : FID1A.ch
 Acq On : 06 Oct 2025 17:03
 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: Oct 07 09:27:56 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100725.M
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12) S 1-chlorooctadecane (S...	13.083	6744188	53.951 ug/ml
Spiked Amount 50.000		Recovery =	107.90%
Target Compounds			
1) T n-Nonane (C9)	3.384	6696096	51.784 ug/ml
2) T n-Decane (C10)	4.457	7033350	52.008 ug/ml
3) T A~Naphthalene (C11.7)	6.051	7918701	52.135 ug/ml
4) T n-Dodecane (C12)	6.480	7521297	52.411 ug/ml
5) T A~2-methylnaphthalene...	7.110	7871197	52.646 ug/ml
6) T n-Tetradecane (C14)	8.278	7874446	53.073 ug/ml
7) T n-Hexadecane (C16)	9.882	8368827	53.396 ug/ml
8) T n-Octadecane (C18)	11.327	8439359	53.410 ug/ml
10) T n-Eicosane (C20)	12.637	7941237	53.725 ug/ml
11) T n-Heneicosane (C21)	13.250	7684442	53.795 ug/ml
13) T n-Docosane (C22)	13.836	7552504	54.156 ug/ml
14) T n-Tetracosane (C24)	14.941	7307291	54.822 ug/ml
15) T n-Hexacosane (C26)	15.962	6889242	54.857 ug/ml
16) T n-Octacosane (C28)	16.912	6492320	54.987 ug/ml
17) T n-Tricontane (C30)	17.800	6323170	54.888 ug/ml
18) T n-Dotriacontane (C32)	18.634	5890021	54.597 ug/ml
19) T n-Tetratriacontane (C34)	19.418	5271042	53.866 ug/ml
20) T n-Hexatriacontane (C36)	20.157	4546558	53.013 ug/ml
21) T n-Octatriacontane (C38)	20.915	4117294	52.520 ug/ml
22) T n-Tetracontane (C40)	21.868	3935168	52.363 ug/ml

(f)=RT Delta > 1/2 Window

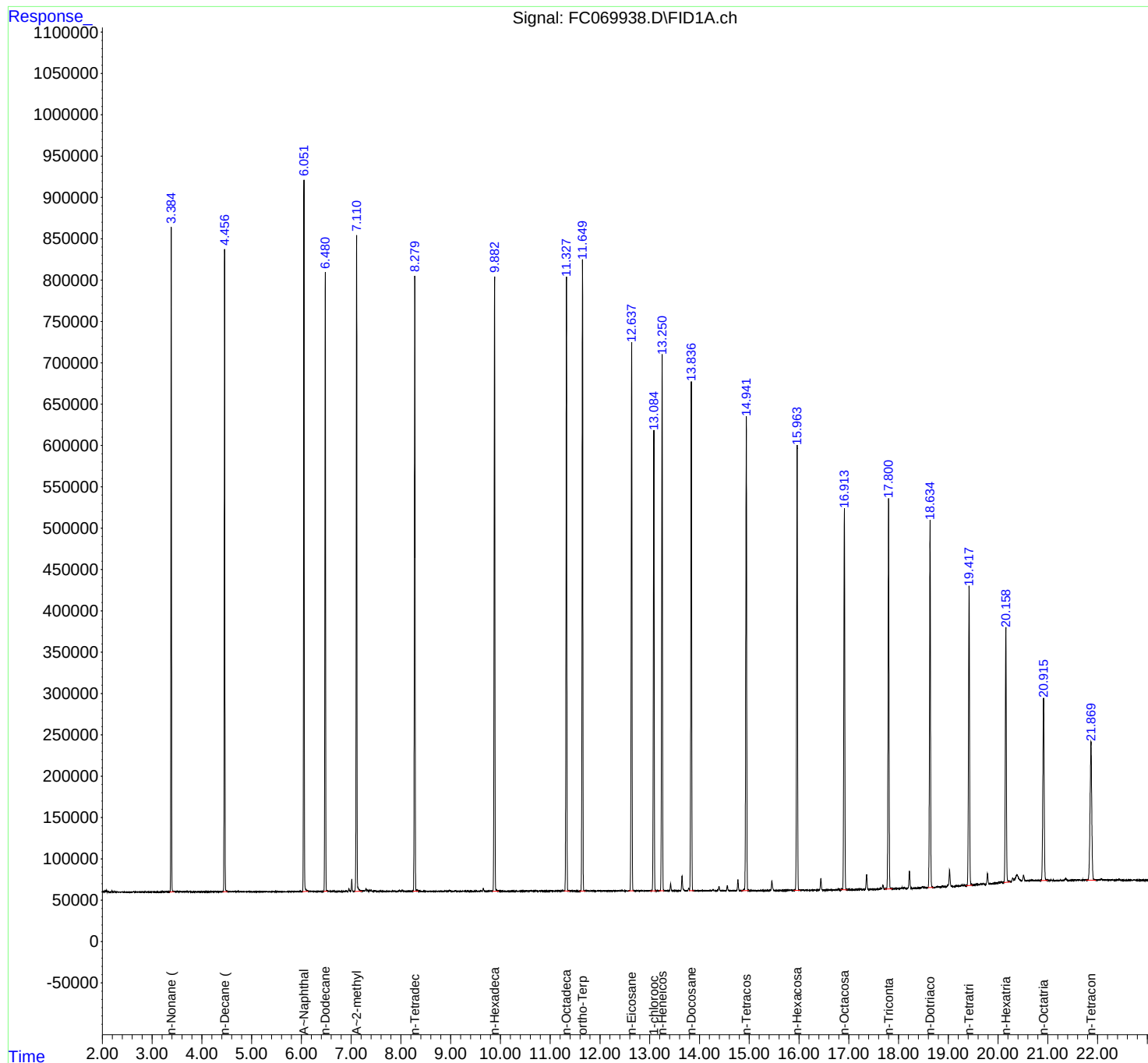
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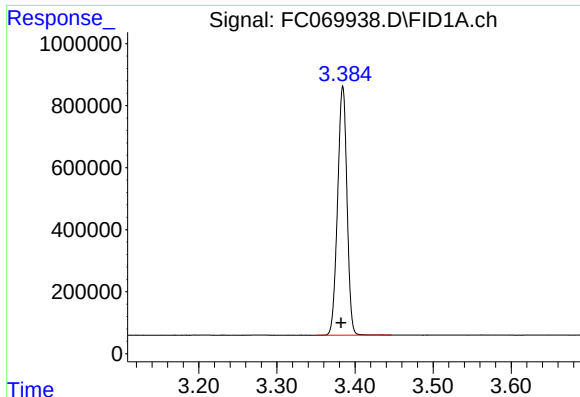
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC100725AL\
Data File : FC069938.D
Signal(s) : FID1A.ch
Acq On : 06 Oct 2025 17:03
Operator : YP/AJ
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Misc :
ALS Vial : 12 Sample Multiplier: 1

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ClientSampleId :
50 PPM ALIPHATIC HC STD2

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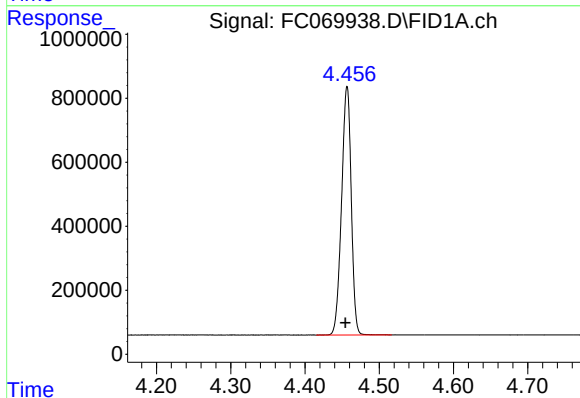




#1 n-Nonane (C9)

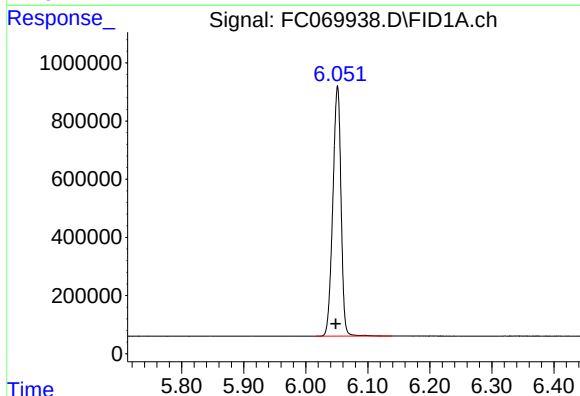
R.T.: 3.384 min
Delta R.T.: 0.002 min
Response: 6696096
Conc: 51.78 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



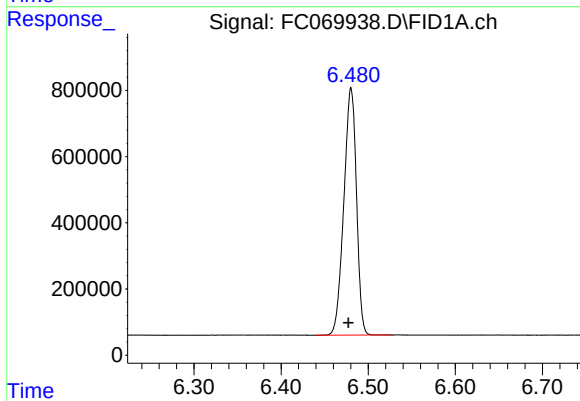
#2 n-Decane (C10)

R.T.: 4.457 min
Delta R.T.: 0.002 min
Response: 7033350
Conc: 52.01 ug/ml



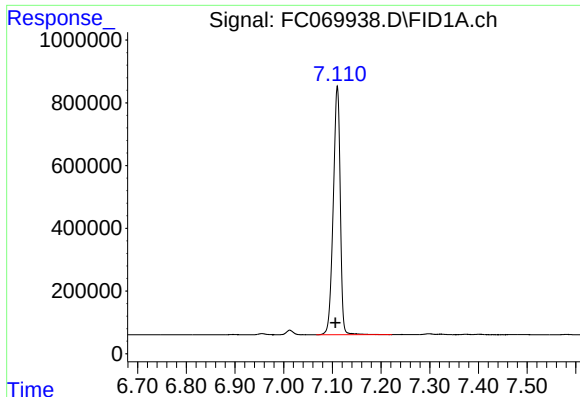
#3 A~Naphthalene (C11.7)

R.T.: 6.051 min
Delta R.T.: 0.003 min
Response: 7918701
Conc: 52.13 ug/ml



#4 n-Dodecane (C12)

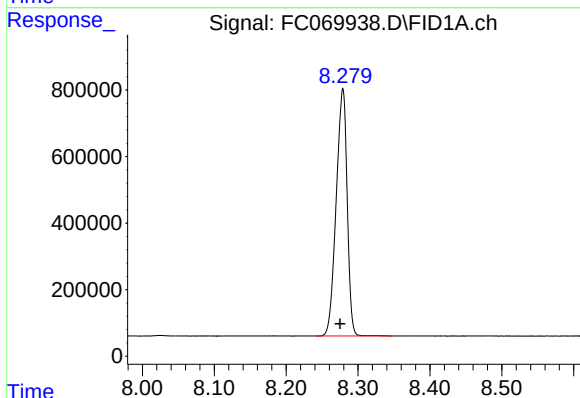
R.T.: 6.480 min
Delta R.T.: 0.003 min
Response: 7521297
Conc: 52.41 ug/ml



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

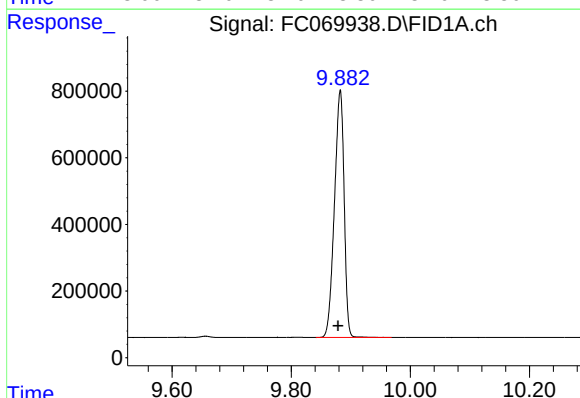
R.T.: 7.110 min
Delta R.T.: 0.004 min
Response: 7871197
Conc: 52.65 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



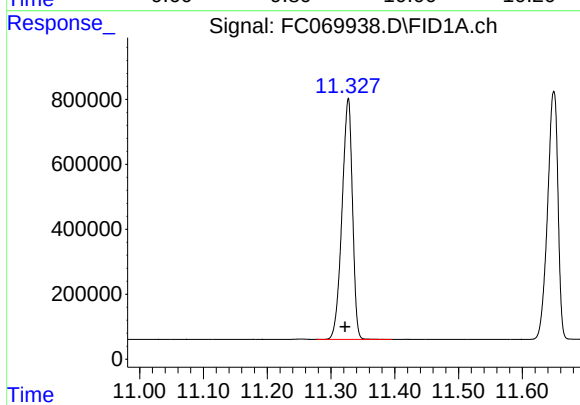
#6 n-Tetradecane (C14)

R.T.: 8.278 min
Delta R.T.: 0.004 min
Response: 7874446
Conc: 53.07 ug/ml



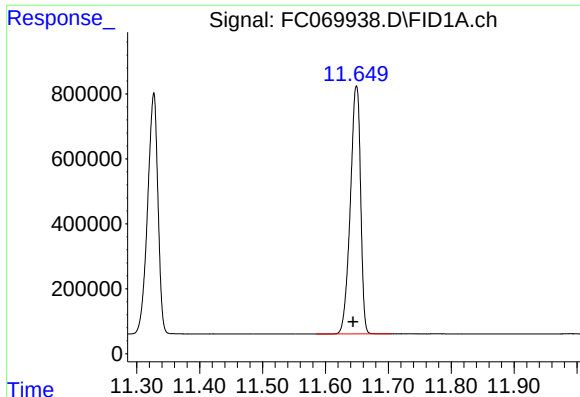
#7 n-Hexadecane (C16)

R.T.: 9.882 min
Delta R.T.: 0.004 min
Response: 8368827
Conc: 53.40 ug/ml



#8 n-Octadecane (C18)

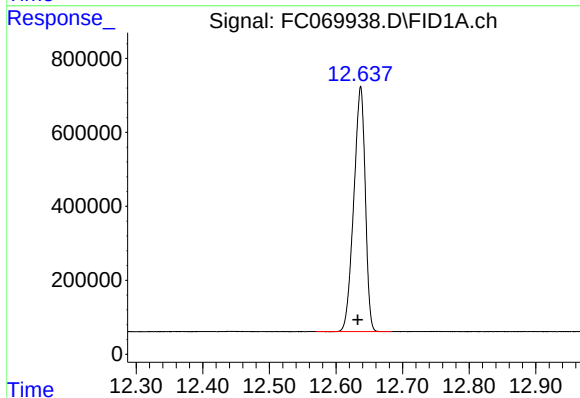
R.T.: 11.327 min
Delta R.T.: 0.005 min
Response: 8439359
Conc: 53.41 ug/ml



#9 ortho-Terphenyl (SURR)

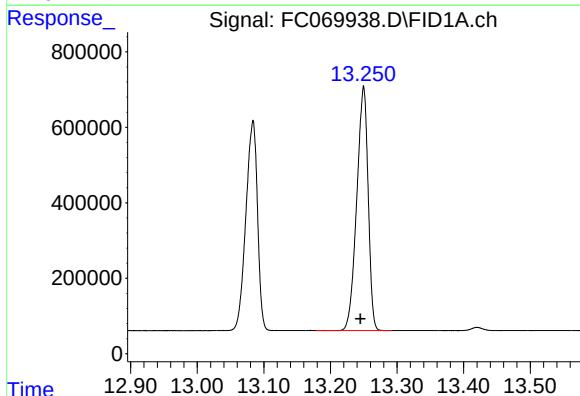
R.T.: 11.649 min
Delta R.T.: 0.005 min
Response: 8639976
Conc: 53.43 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



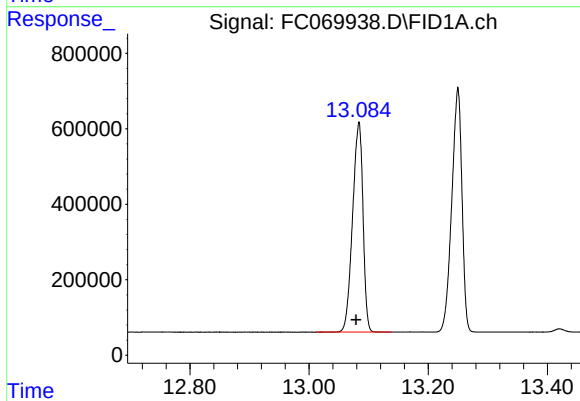
#10 n-Eicosane (C20)

R.T.: 12.637 min
Delta R.T.: 0.004 min
Response: 7941237
Conc: 53.72 ug/ml



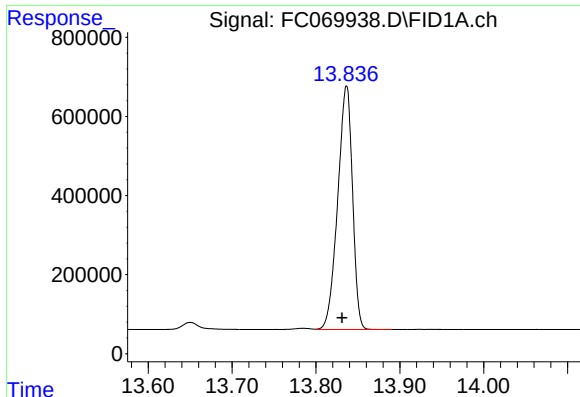
#11 n-Heneicosane (C21)

R.T.: 13.250 min
Delta R.T.: 0.004 min
Response: 7684442
Conc: 53.80 ug/ml



#12 1-chlorooctadecane (SURR)

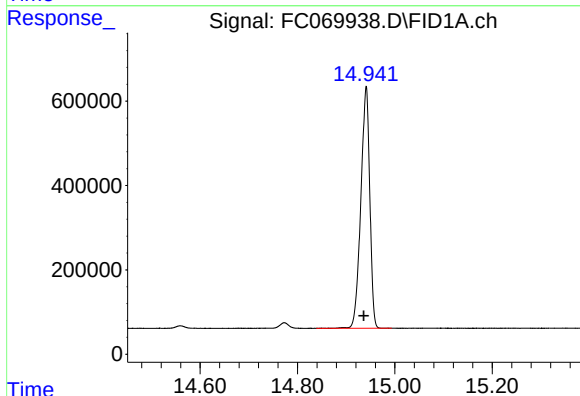
R.T.: 13.083 min
Delta R.T.: 0.004 min
Response: 6744188
Conc: 53.95 ug/ml



#13 n-Docosane (C22)

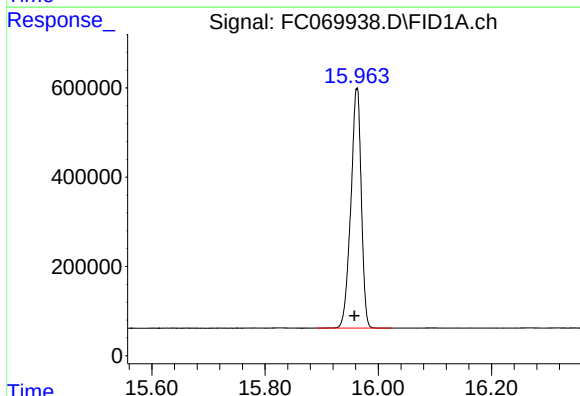
R.T.: 13.836 min
Delta R.T.: 0.005 min
Response: 7552504
Conc: 54.16 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



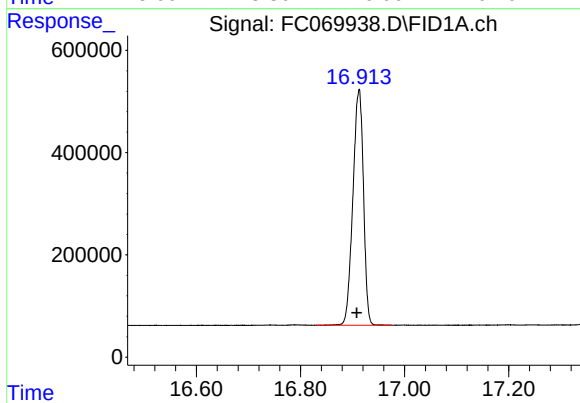
#14 n-Tetracosane (C24)

R.T.: 14.941 min
Delta R.T.: 0.005 min
Response: 7307291
Conc: 54.82 ug/ml



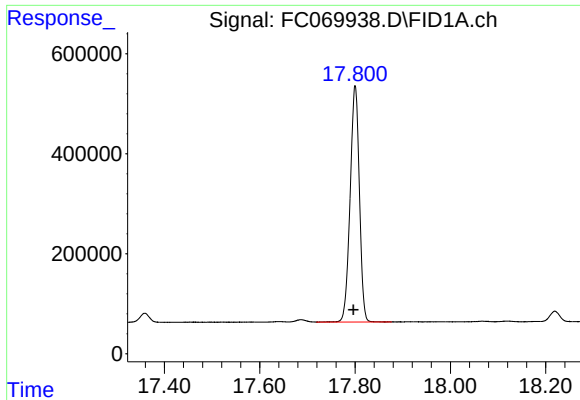
#15 n-Hexacosane (C26)

R.T.: 15.962 min
Delta R.T.: 0.004 min
Response: 6889242
Conc: 54.86 ug/ml



#16 n-Octacosane (C28)

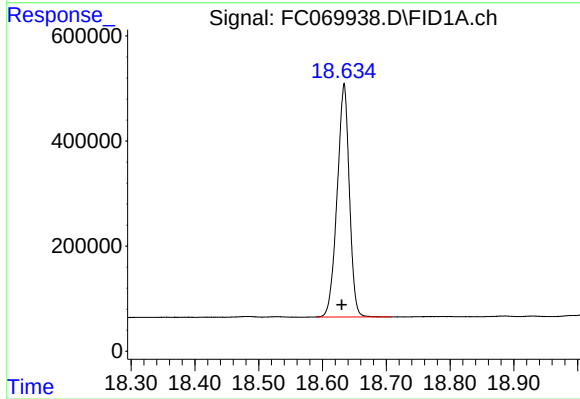
R.T.: 16.912 min
Delta R.T.: 0.004 min
Response: 6492320
Conc: 54.99 ug/ml



#17 n-Tricontane (C30)

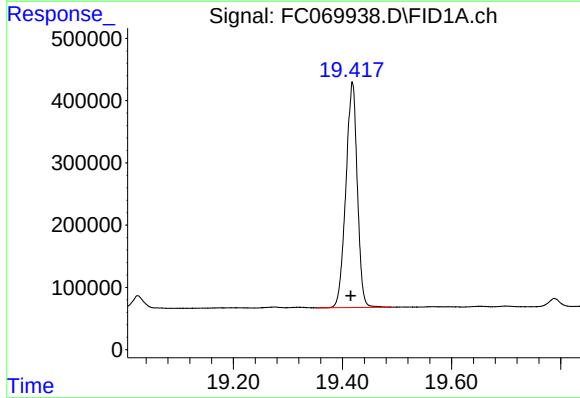
R.T.: 17.800 min
Delta R.T.: 0.003 min
Response: 6323170
Conc: 54.89 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



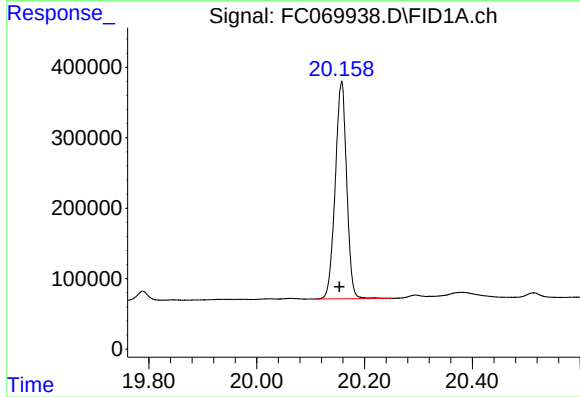
#18 n-Dotriacontane (C32)

R.T.: 18.634 min
Delta R.T.: 0.004 min
Response: 5890021
Conc: 54.60 ug/ml



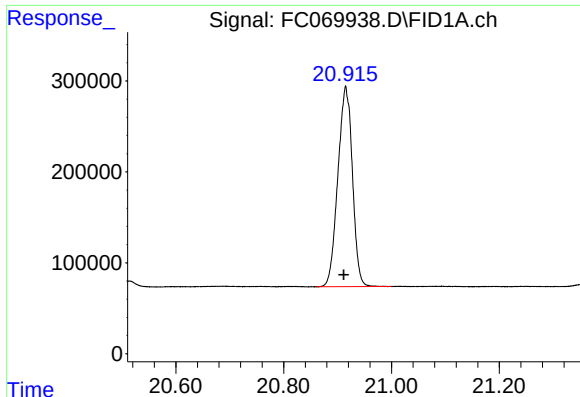
#19 n-Tetratriacontane (C34)

R.T.: 19.418 min
Delta R.T.: 0.003 min
Response: 5271042
Conc: 53.87 ug/ml



#20 n-Hexatriacontane (C36)

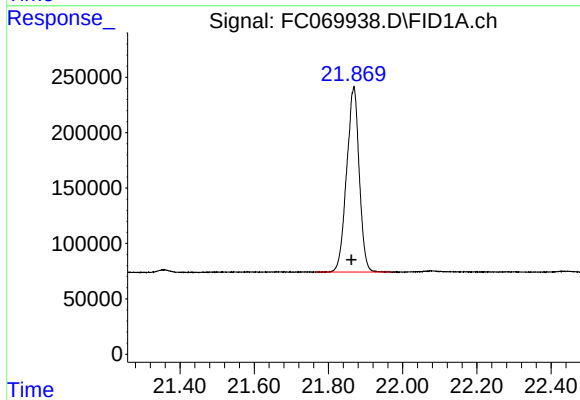
R.T.: 20.157 min
Delta R.T.: 0.004 min
Response: 4546558
Conc: 53.01 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.915 min
Delta R.T.: 0.004 min
Response: 4117294
Conc: 52.52 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



#22 n-Tetracontane (C40)

R.T.: 21.868 min
Delta R.T.: 0.006 min
Response: 3935168
Conc: 52.36 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC100725AL\
 Data File : FC069938.D
 Signal(s) : FID1A.ch
 Acq On : 06 Oct 2025 17:03
 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 100725.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	3.350	3.447	BB	801570	6696096	77.50%	4.433%
2	4.457	4.415	4.517	BB	779306	7033350	81.40%	4.656%
3	6.051	6.017	6.138	BB	866132	7918701	91.65%	5.242%
4	6.480	6.440	6.527	BB	748366	7521297	87.05%	4.979%
5	7.110	7.067	7.222	BV	794441	7871197	91.10%	5.211%
6	8.279	8.242	8.347	BB	744209	7874446	91.14%	5.213%
7	9.882	9.842	9.968	BB	741300	8368827	96.86%	5.540%
8	11.327	11.277	11.395	BB	742837	8439359	97.68%	5.587%
9	11.649	11.585	11.705	BB	764057	8639976	100.00%	5.720%
10	12.637	12.570	12.683	BB	664039	7941237	91.91%	5.257%
11	13.083	13.012	13.138	BB	556995	6744188	78.06%	4.465%
12	13.250	13.178	13.292	BB	650441	7684442	88.94%	5.087%
13	13.836	13.800	13.890	VB	618103	7552504	87.41%	5.000%
14	14.941	14.838	14.993	BB	570910	7307291	84.58%	4.837%
15	15.962	15.890	16.023	BB	537205	6889242	79.74%	4.561%
16	16.912	16.830	16.975	BB	458574	6492320	75.14%	4.298%
17	17.800	17.718	17.877	PB	472780	6323170	73.19%	4.186%
18	18.634	18.590	18.708	BB	443374	5890021	68.17%	3.899%
19	19.418	19.352	19.490	BB	361847	5271042	61.01%	3.489%
20	20.157	20.110	20.250	BB	306826	4546558	52.62%	3.010%
21	20.915	20.860	21.000	BB	220293	4117294	47.65%	2.726%
22	21.868	21.767	21.970	BB	167406	3935168	45.55%	2.605%
Sum of corrected areas:						151057725		

Aliphatic EPH 100725.M Tue Oct 07 09:56:29 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC100725AL\
 Data File : FC069939.D
 Signal(s) : FID1A.ch
 Acq On : 06 Oct 2025 17:50
 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: Oct 07 09:28:17 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100725.M
 Quant Title : GC Extractables
 QLast Update : Tue Oct 07 09:26:41 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)	11.644	3233829	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
12) S 1-chlorooctadecane (S...	13.079	2500104	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
Target Compounds			
1) T n-Nonane (C9)	3.382	2586179	20.000 ug/ml
2) T n-Decane (C10)	4.455	2704739	20.000 ug/ml
3) T A~Naphthalene (C11.7)	6.048	3037797	20.000 ug/ml
4) T n-Dodecane (C12)	6.477	2870146	20.000 ug/ml
5) T A~2-methylnaphthalene...	7.106	2990239	20.000 ug/ml
6) T n-Tetradecane (C14)	8.275	2967400	20.000 ug/ml
7) T n-Hexadecane (C16)	9.879	3134629	20.000 ug/ml
8) T n-Octadecane (C18)	11.322	3160241	20.000 ug/ml
10) T n-Eicosane (C20)	12.633	2956263	20.000 ug/ml
11) T n-Heneicosane (C21)	13.245	2856934	20.000 ug/ml
13) T n-Docosane (C22)	13.831	2789185	20.000 ug/ml
14) T n-Tetracosane (C24)	14.936	2665846	20.000 ug/ml
15) T n-Hexacosane (C26)	15.958	2511687	20.000 ug/ml
16) T n-Octacosane (C28)	16.908	2361381	20.000 ug/ml
17) T n-Tricontane (C30)	17.797	2304010	20.000 ug/ml
18) T n-Dotriacontane (C32)	18.630	2157650	20.000 ug/ml
19) T n-Tetratriacontane (C34)	19.415	1957095	20.000 ug/ml
20) T n-Hexatriacontane (C36)	20.153	1715254	20.000 ug/ml
21) T n-Octatriacontane (C38)	20.912	1567899	20.000 ug/ml
22) T n-Tetracontane (C40)	21.862	1503047	20.000 ug/ml

(f)=RT Delta > 1/2 Window

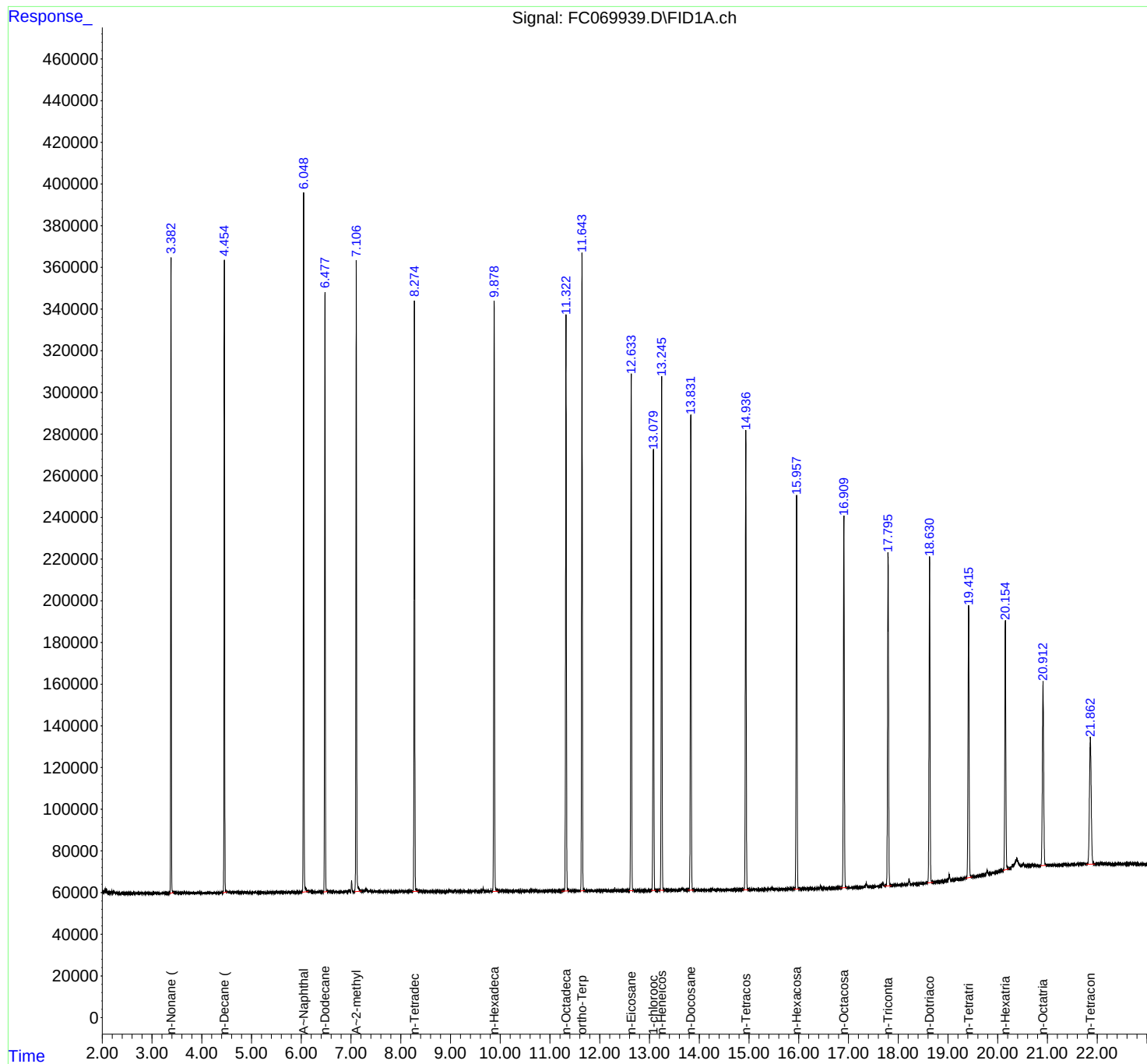
(m)=manual int.

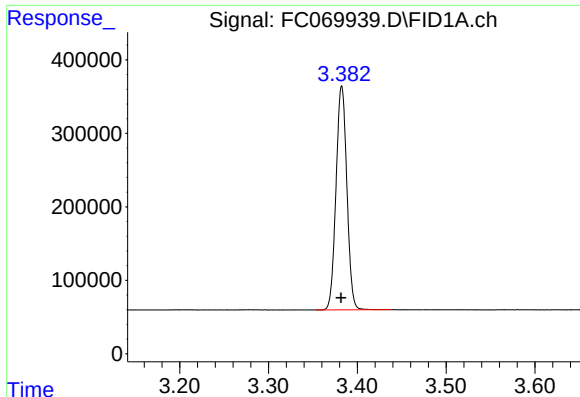
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC100725AL\
Data File : FC069939.D
Signal(s) : FID1A.ch
Acq On : 06 Oct 2025 17:50
Operator : YP/AJ
Sample : 20 PPM ALIPHATIC HC STD3
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3

Integration File: autoint1.e
Quant Time: Oct 07 09:28:17 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100725.M
Quant Title : GC Extractables
QLast Update : Tue Oct 07 09:26:41 2025
Response via : Initial Calibration
Integrator: ChemStation

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

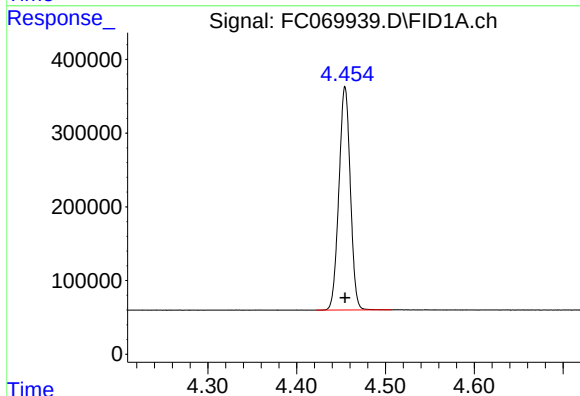




#1 n-Nonane (C9)

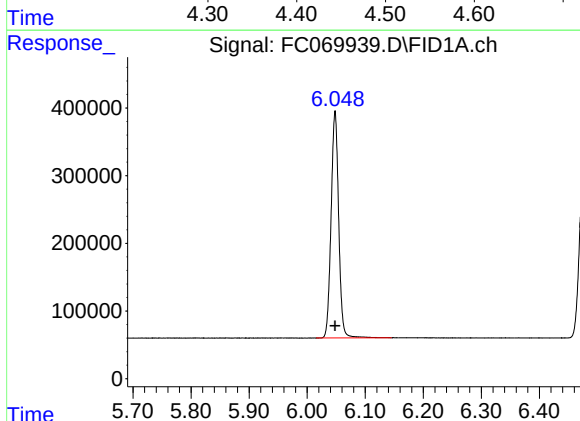
R.T.: 3.382 min
Delta R.T.: 0.000 min
Response: 2586179
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



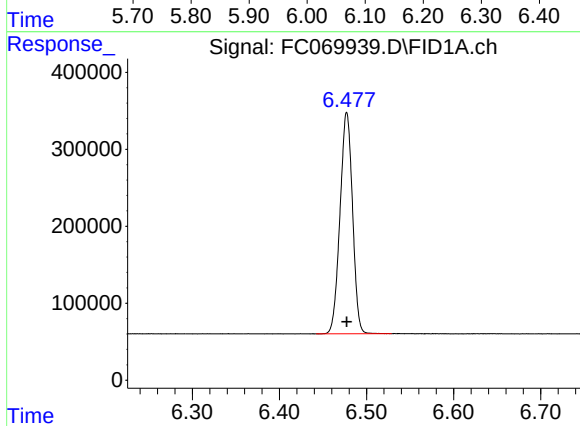
#2 n-Decane (C10)

R.T.: 4.455 min
Delta R.T.: 0.000 min
Response: 2704739
Conc: 20.00 ug/ml



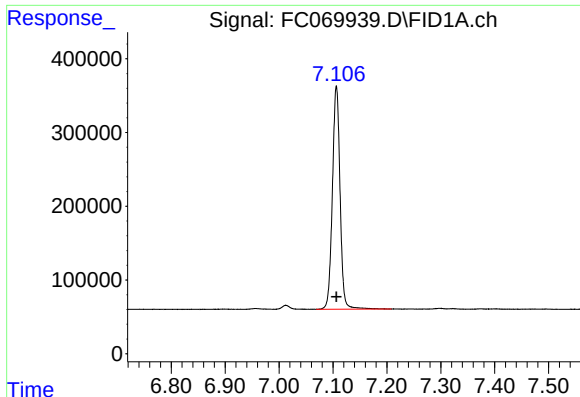
#3 A~Naphthalene (C11.7)

R.T.: 6.048 min
Delta R.T.: 0.000 min
Response: 3037797
Conc: 20.00 ug/ml



#4 n-Dodecane (C12)

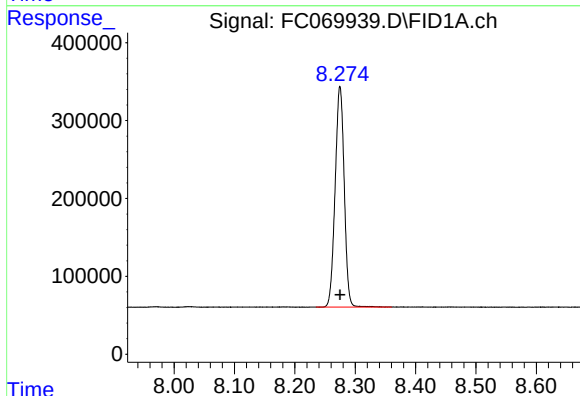
R.T.: 6.477 min
Delta R.T.: 0.000 min
Response: 2870146
Conc: 20.00 ug/ml



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

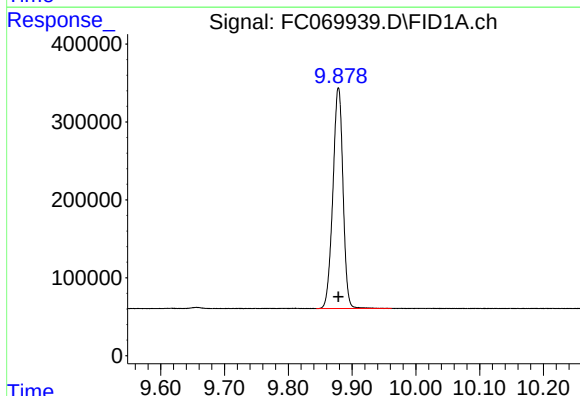
R.T.: 7.106 min
Delta R.T.: 0.000 min
Response: 2990239
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



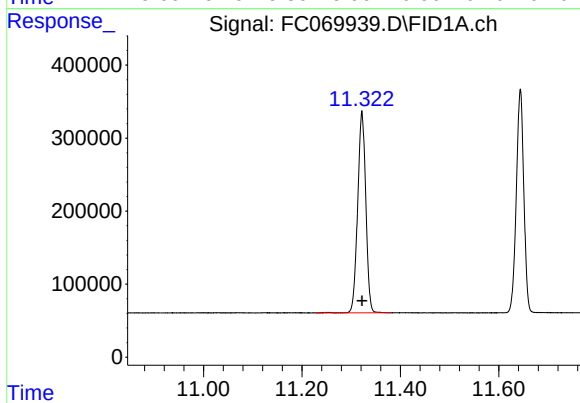
#6 n-Tetradecane (C14)

R.T.: 8.275 min
Delta R.T.: 0.000 min
Response: 2967400
Conc: 20.00 ug/ml



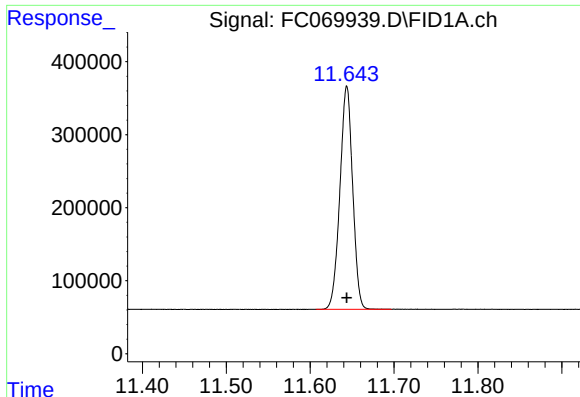
#7 n-Hexadecane (C16)

R.T.: 9.879 min
Delta R.T.: 0.000 min
Response: 3134629
Conc: 20.00 ug/ml



#8 n-Octadecane (C18)

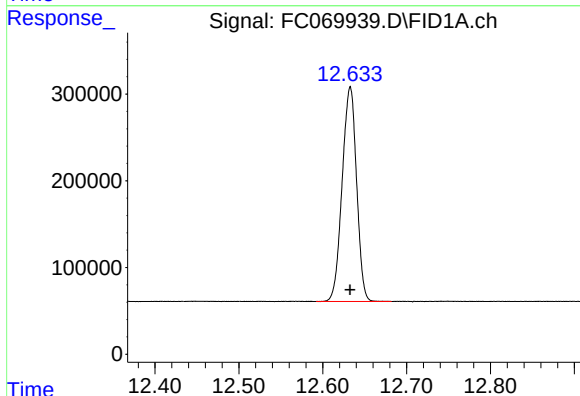
R.T.: 11.322 min
Delta R.T.: 0.000 min
Response: 3160241
Conc: 20.00 ug/ml



#9 ortho-Terphenyl (SURR)

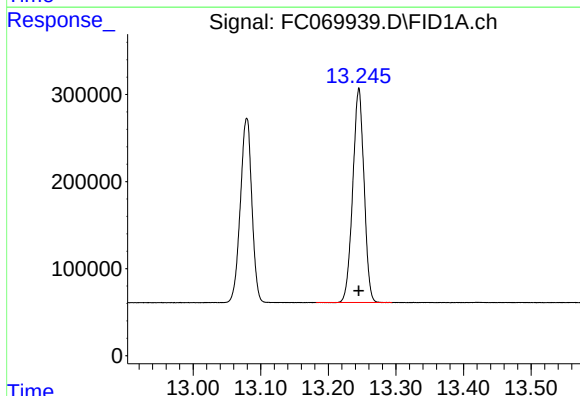
R.T.: 11.644 min
Delta R.T.: 0.000 min
Response: 3233829
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



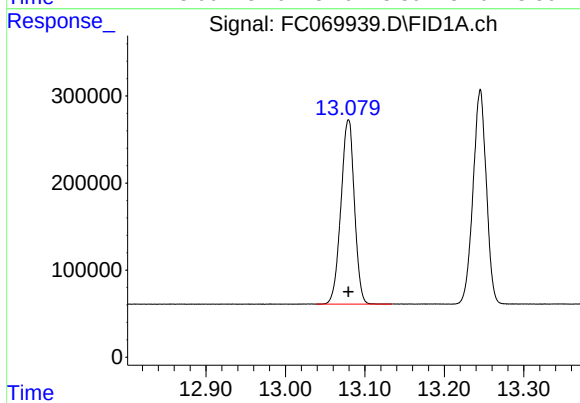
#10 n-Eicosane (C20)

R.T.: 12.633 min
Delta R.T.: 0.000 min
Response: 2956263
Conc: 20.00 ug/ml



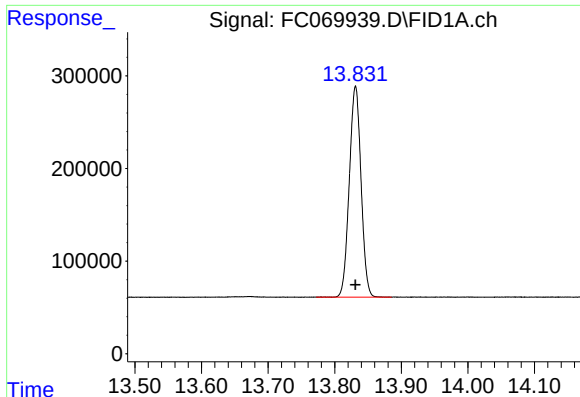
#11 n-Heneicosane (C21)

R.T.: 13.245 min
Delta R.T.: 0.000 min
Response: 2856934
Conc: 20.00 ug/ml



#12 1-chlorooctadecane (SURR)

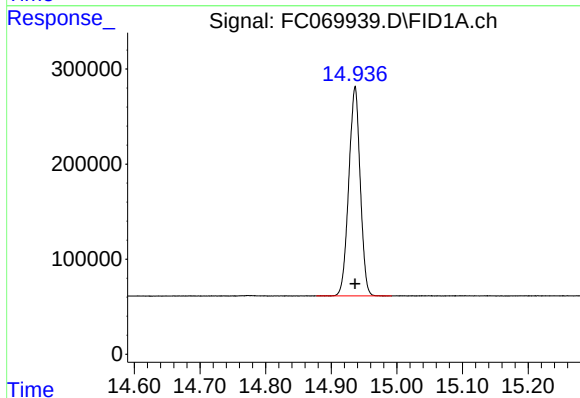
R.T.: 13.079 min
Delta R.T.: 0.000 min
Response: 2500104
Conc: 20.00 ug/ml



#13 n-Docosane (C22)

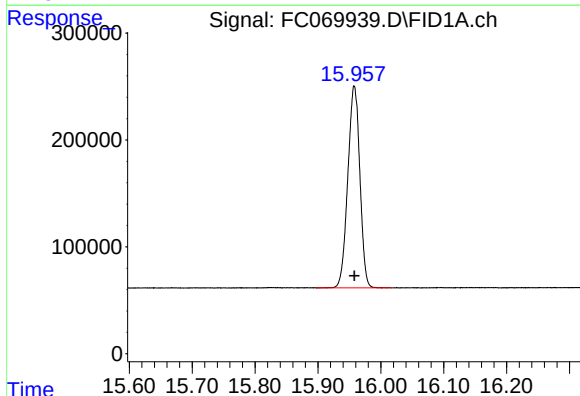
R.T.: 13.831 min
Delta R.T.: 0.000 min
Response: 2789185
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



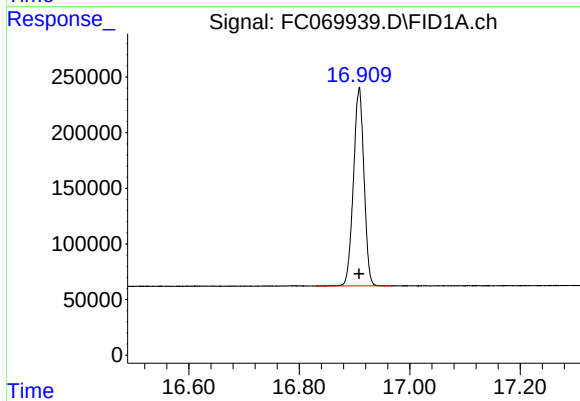
#14 n-Tetracosane (C24)

R.T.: 14.936 min
Delta R.T.: 0.000 min
Response: 2665846
Conc: 20.00 ug/ml



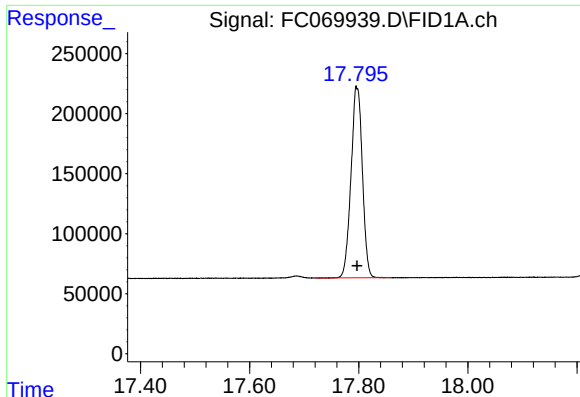
#15 n-Hexacosane (C26)

R.T.: 15.958 min
Delta R.T.: 0.000 min
Response: 2511687
Conc: 20.00 ug/ml



#16 n-Octacosane (C28)

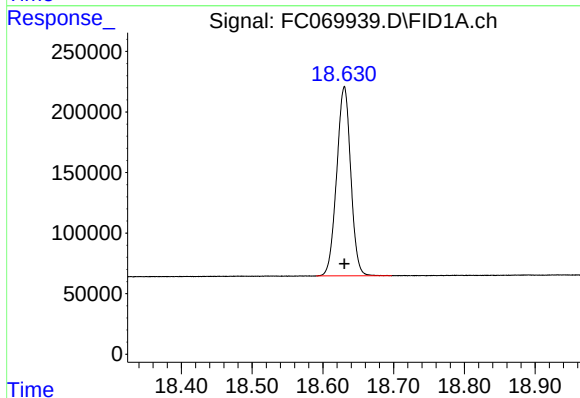
R.T.: 16.908 min
Delta R.T.: 0.000 min
Response: 2361381
Conc: 20.00 ug/ml



#17 n-Tricontane (C30)

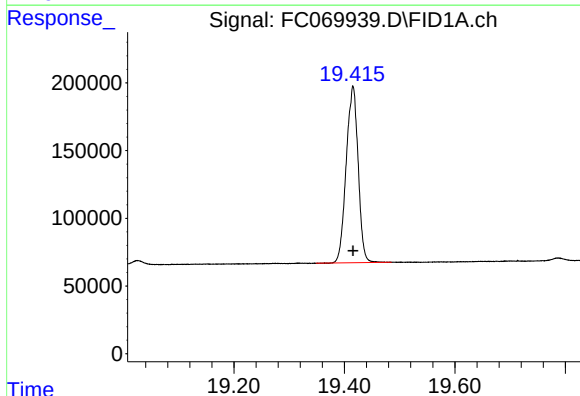
R.T.: 17.797 min
Delta R.T.: 0.000 min
Response: 2304010
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



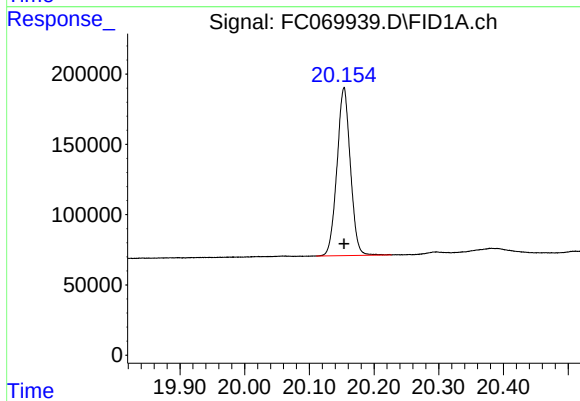
#18 n-Dotriacontane (C32)

R.T.: 18.630 min
Delta R.T.: 0.000 min
Response: 2157650
Conc: 20.00 ug/ml



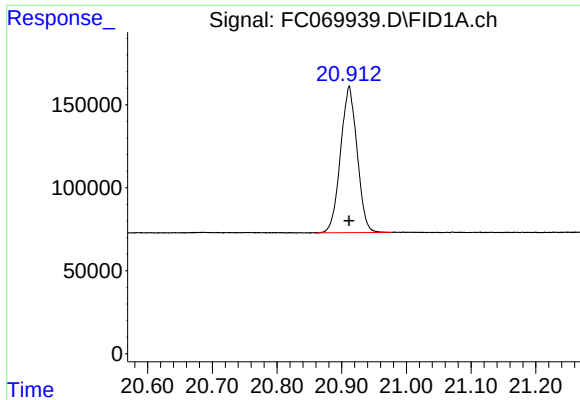
#19 n-Tetratriacontane (C34)

R.T.: 19.415 min
Delta R.T.: 0.000 min
Response: 1957095
Conc: 20.00 ug/ml



#20 n-Hexatriacontane (C36)

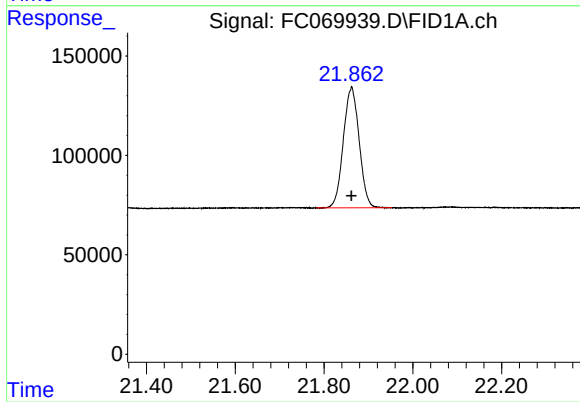
R.T.: 20.153 min
Delta R.T.: 0.000 min
Response: 1715254
Conc: 20.00 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.912 min
Delta R.T.: 0.000 min
Response: 1567899
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



#22 n-Tetracontane (C40)

R.T.: 21.862 min
Delta R.T.: 0.000 min
Response: 1503047
Conc: 20.00 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC100725AL\
Data File : FC069939.D
Signal(s) : FID1A.ch
Acq On : 06 Oct 2025 17:50
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 100725.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	3.383	3.354	3.439	BB	304942	2586179	79.97%	4.575%
2	4.455	4.422	4.507	BB	303233	2704739	83.64%	4.784%
3	6.048	6.015	6.145	BB	336136	3037797	93.94%	5.374%
4	6.477	6.442	6.529	BB	288019	2870146	88.75%	5.077%
5	7.106	7.069	7.209	BB	302692	2990239	92.47%	5.290%
6	8.275	8.235	8.360	BB	283402	2967400	91.76%	5.249%
7	9.879	9.844	9.962	BB	283622	3134629	96.93%	5.545%
8	11.322	11.229	11.382	BB	275975	3160241	97.72%	5.590%
9	11.644	11.607	11.697	BB	306418	3233829	100.00%	5.720%
10	12.633	12.592	12.682	BB	247337	2956263	91.42%	5.229%
11	13.079	13.039	13.134	BB	211975	2500104	77.31%	4.422%
12	13.245	13.182	13.294	BB	247074	2856934	88.35%	5.054%
13	13.831	13.772	13.885	BB	228326	2789185	86.25%	4.934%
14	14.936	14.877	14.992	BB	219421	2665846	82.44%	4.716%
15	15.958	15.897	16.017	BB	189463	2511687	77.67%	4.443%
16	16.908	16.830	16.967	BB	179015	2361381	73.02%	4.177%
17	17.797	17.722	17.860	BB	157250	2304010	71.25%	4.076%
18	18.630	18.590	18.697	BB	156475	2157650	66.72%	3.817%
19	19.415	19.349	19.485	BB	130941	1957095	60.52%	3.462%
20	20.153	20.110	20.227	BB	119849	1715254	53.04%	3.034%
21	20.912	20.860	20.977	BB	88544	1567899	48.48%	2.773%
22	21.862	21.782	21.952	BB	61121	1503047	46.48%	2.659%
Sum of corrected areas:							56531551	

Aliphatic EPH 100725.M Tue Oct 07 09:56:50 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC100725AL\
 Data File : FC069940.D
 Signal(s) : FID1A.ch
 Acq On : 06 Oct 2025 18:35
 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

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/07/2025
 Supervised By :mohammad ahmed 10/08/2025

Integration File: autoint1.e
 Quant Time: Oct 07 09:28:37 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100725.M
 Quant Title : GC Extractables
 QLast Update : Tue Oct 07 09:26:41 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)	11.643	1801769	11.143 ug/ml
Spiked Amount 50.000		Recovery =	22.29%
12) S 1-chlorooctadecane (S...	13.078	1388999	11.112 ug/ml
Spiked Amount 50.000		Recovery =	22.22%
Target Compounds			
1) T n-Nonane (C9)	3.383	1405419	10.869 ug/ml
2) T n-Decane (C10)	4.454	1465951	10.840 ug/ml
3) T A~Naphthalene (C11.7)	6.048	1651182	10.871 ug/ml
4) T n-Dodecane (C12)	6.477	1556658	10.847 ug/ml
5) T A~2-methylnaphthalene...	7.106	1621428	10.845 ug/ml
6) T n-Tetradecane (C14)	8.274	1614710	10.883 ug/ml
7) T n-Hexadecane (C16)	9.877	1710570	10.914 ug/ml
8) T n-Octadecane (C18)	11.321	1731363	10.957 ug/ml
10) T n-Eicosane (C20)	12.632	1640453	11.098 ug/ml
11) T n-Heneicosane (C21)	13.244	1588969	11.124 ug/ml
13) T n-Docosane (C22)	13.831	1574378	11.289 ug/ml
14) T n-Tetracosane (C24)	14.935	1554075	11.659 ug/ml
15) T n-Hexacosane (C26)	15.957	1477357	11.764 ug/ml
16) T n-Octacosane (C28)	16.908	1413177	11.969 ug/ml
17) T n-Tricontane (C30)	17.796	1411056	12.249 ug/ml
18) T n-Dotriacontane (C32)	18.630	1341453	12.434 ug/ml
19) T n-Tetratriacontane (C34)	19.413	1188034	12.141 ug/mlm
20) T n-Hexatriacontane (C36)	20.154	1002661	11.691 ug/ml
21) T n-Octatriacontane (C38)	20.911	914301	11.663 ug/ml
22) T n-Tetracontane (C40)	21.862	866175	11.526 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC100725AL\
Data File : FC069940.D
Signal(s) : FID1A.ch
Acq On : 06 Oct 2025 18:35
Operator : YP/AJ
Sample : 10 PPM ALIPHATIC HC STD4
Misc :
ALS Vial : 14 Sample Multiplier: 1

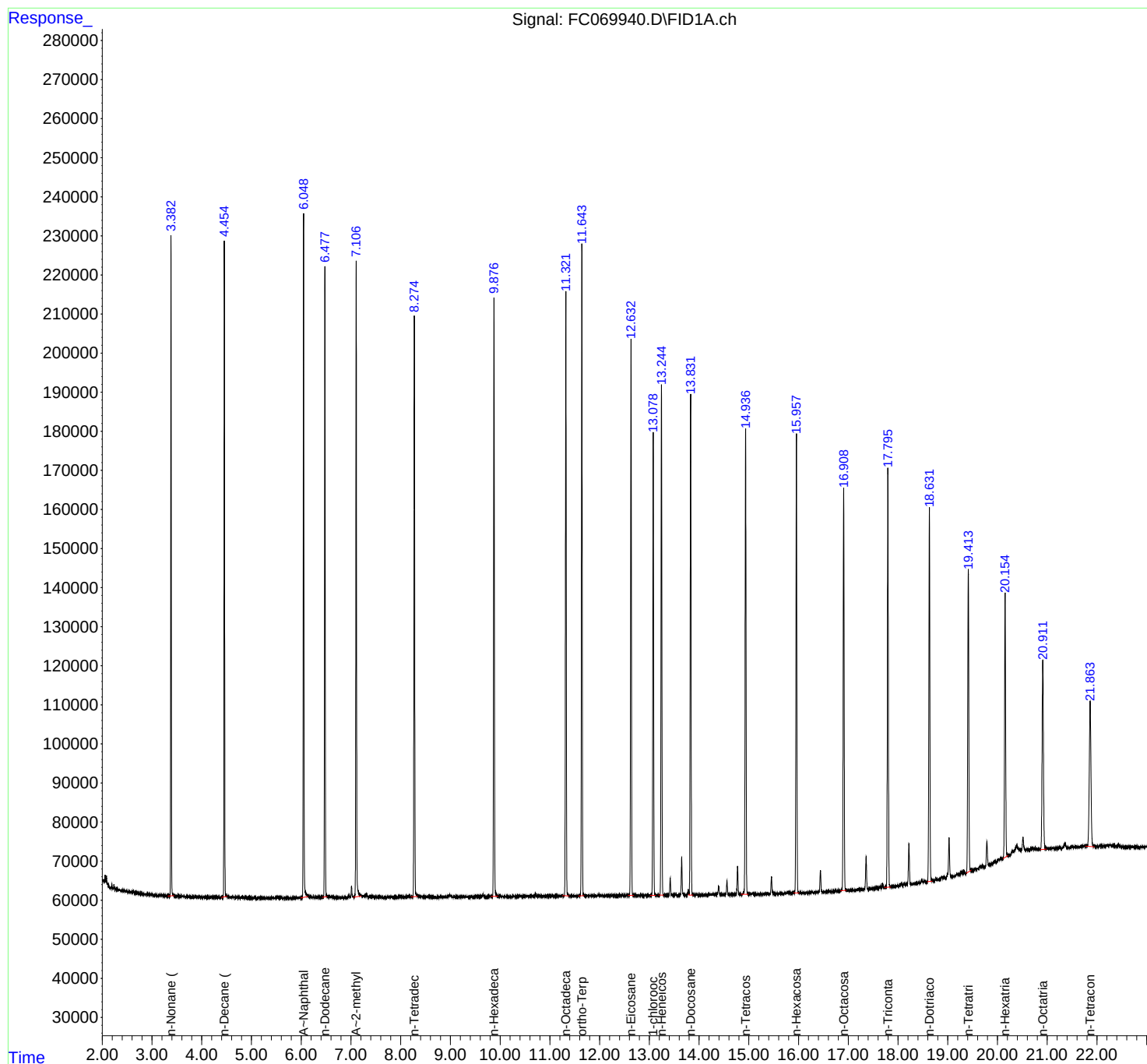
Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4

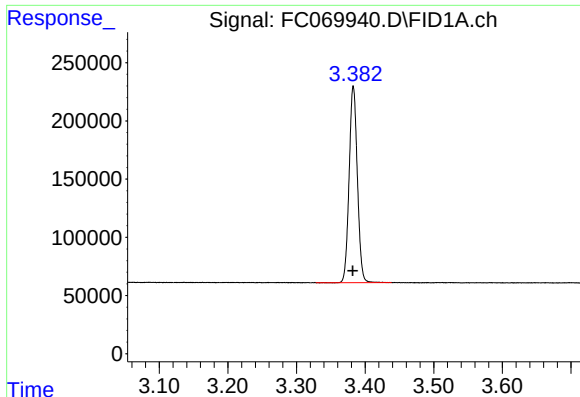
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/07/2025
Supervised By :mohammad ahmed 10/08/2025

Integration File: autoint1.e
Quant Time: Oct 07 09:28:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100725.M
Quant Title : GC Extractables
QLast Update : Tue Oct 07 09:26:41 2025
Response via : Initial Calibration
Integrator: ChemStation

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





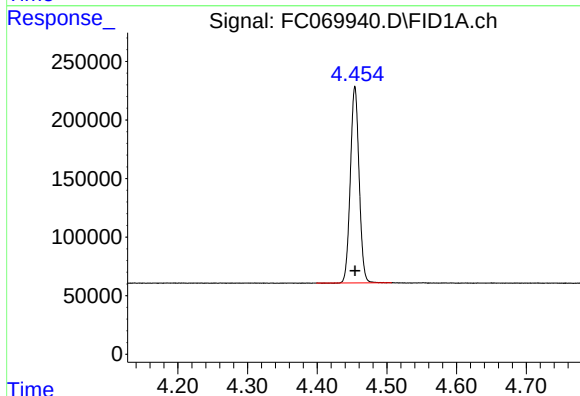
#1 n-Nonane (C9)

R.T.: 3.383 min
Delta R.T.: 0.000 min
Response: 1405419
Conc: 10.87 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4

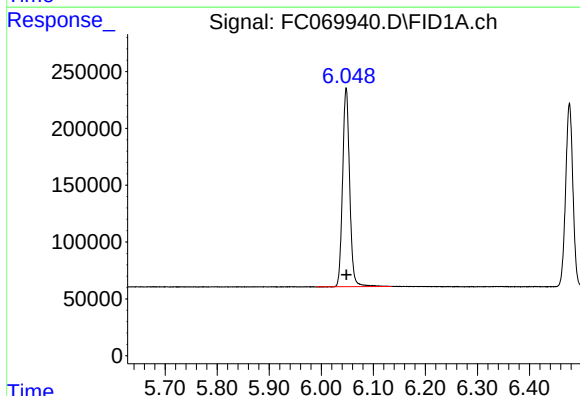
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/07/2025
Supervised By :mohammad ahmed 10/08/2025



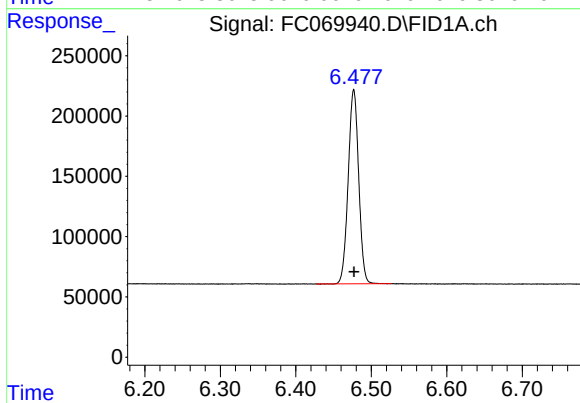
#2 n-Decane (C10)

R.T.: 4.454 min
Delta R.T.: 0.000 min
Response: 1465951
Conc: 10.84 ug/ml



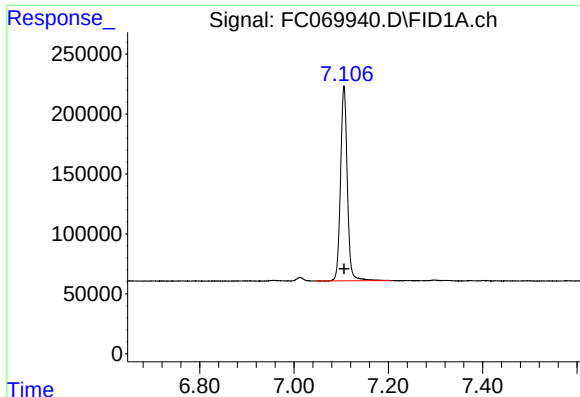
#3 A~Naphthalene (C11.7)

R.T.: 6.048 min
Delta R.T.: 0.000 min
Response: 1651182
Conc: 10.87 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.477 min
Delta R.T.: 0.000 min
Response: 1556658
Conc: 10.85 ug/ml



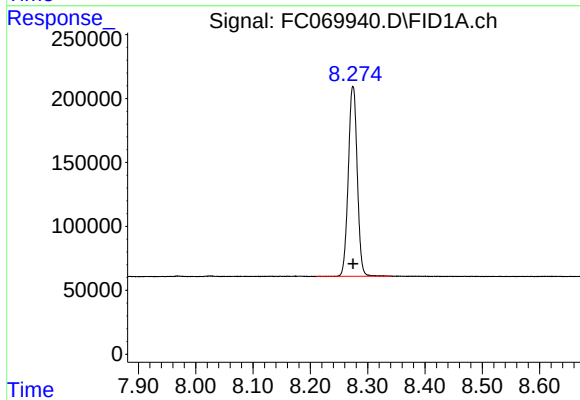
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.106 min
Delta R.T.: 0.000 min
Response: 1621428
Conc: 10.84 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4

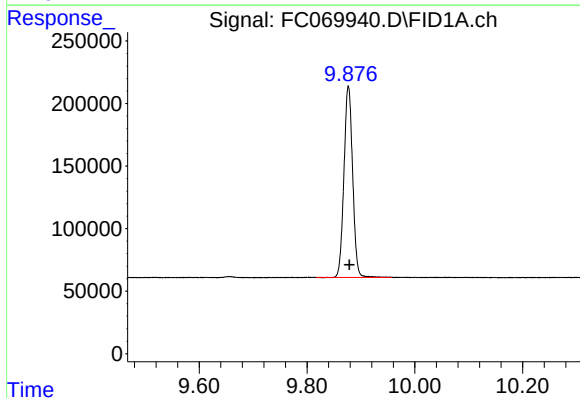
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/07/2025
Supervised By :mohammad ahmed 10/08/2025



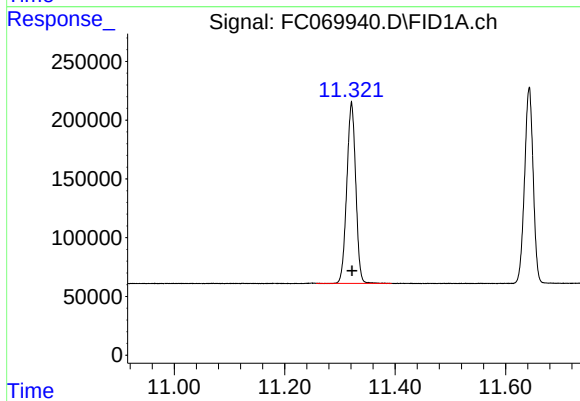
#6 n-Tetradecane (C14)

R.T.: 8.274 min
Delta R.T.: 0.000 min
Response: 1614710
Conc: 10.88 ug/ml



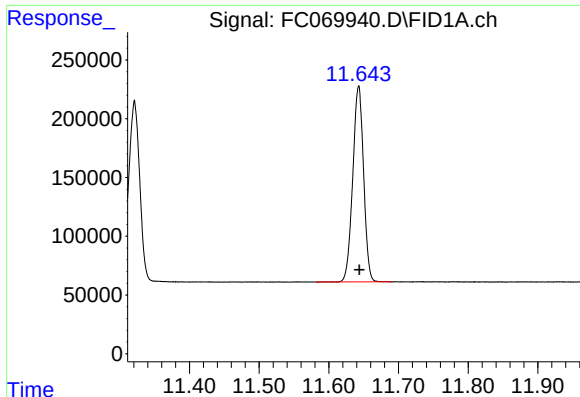
#7 n-Hexadecane (C16)

R.T.: 9.877 min
Delta R.T.: -0.002 min
Response: 1710570
Conc: 10.91 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.321 min
Delta R.T.: 0.000 min
Response: 1731363
Conc: 10.96 ug/ml



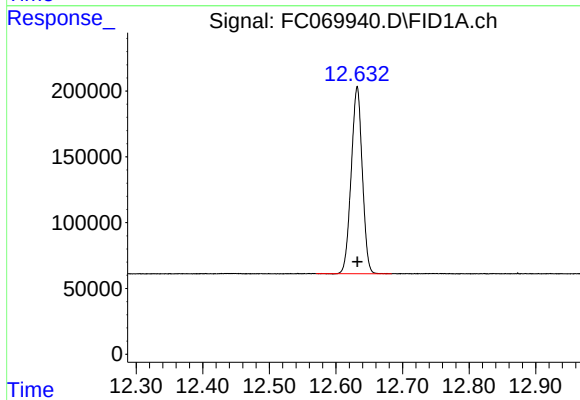
#9 ortho-Terphenyl (SURR)

R.T.: 11.643 min
Delta R.T.: 0.000 min
Response: 1801769
Conc: 11.14 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4

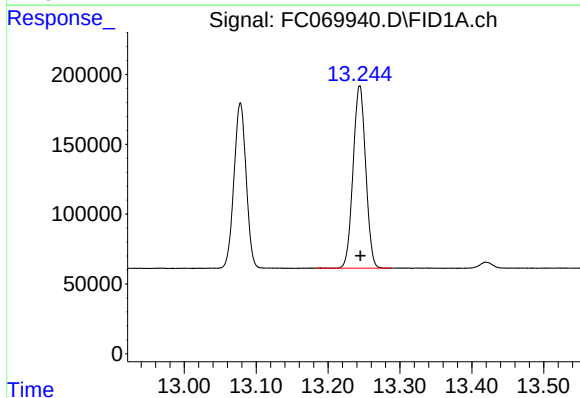
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/07/2025
Supervised By :mohammad ahmed 10/08/2025



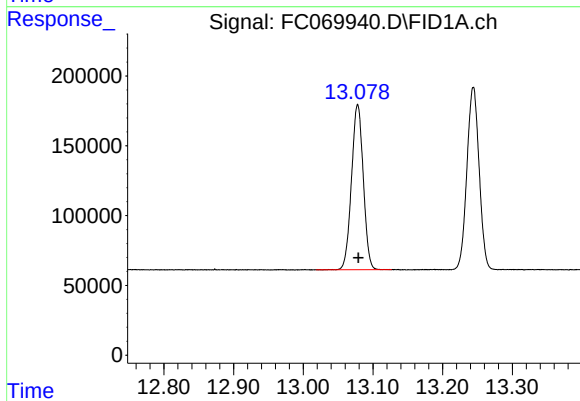
#10 n-Eicosane (C20)

R.T.: 12.632 min
Delta R.T.: 0.000 min
Response: 1640453
Conc: 11.10 ug/ml



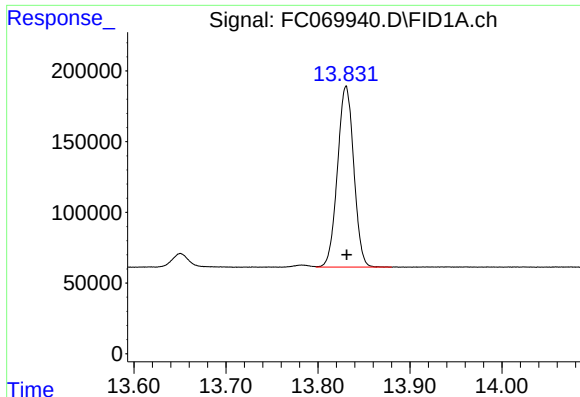
#11 n-Heneicosane (C21)

R.T.: 13.244 min
Delta R.T.: -0.001 min
Response: 1588969
Conc: 11.12 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.078 min
Delta R.T.: -0.001 min
Response: 1388999
Conc: 11.11 ug/ml



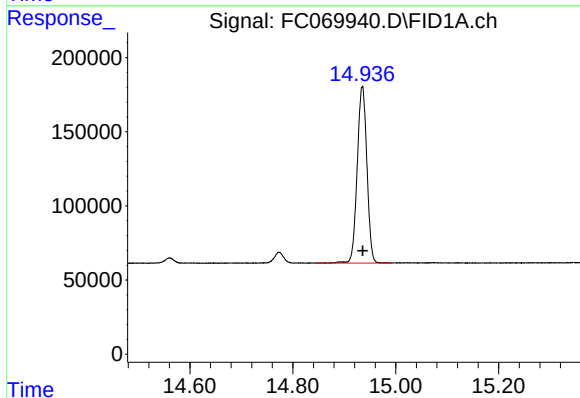
#13 n-Docosane (C22)

R.T.: 13.831 min
Delta R.T.: 0.000 min
Response: 1574378
Conc: 11.29 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4

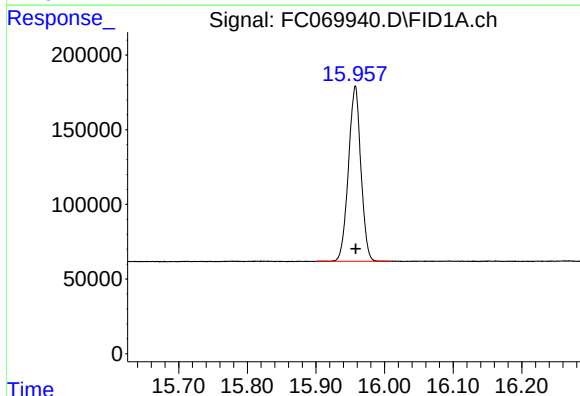
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/07/2025
Supervised By :mohammad ahmed 10/08/2025



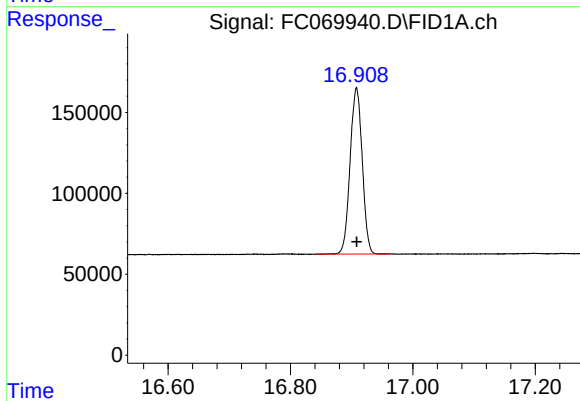
#14 n-Tetracosane (C24)

R.T.: 14.935 min
Delta R.T.: -0.001 min
Response: 1554075
Conc: 11.66 ug/ml



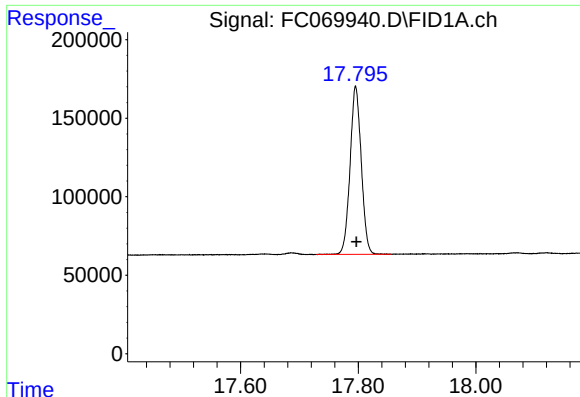
#15 n-Hexacosane (C26)

R.T.: 15.957 min
Delta R.T.: 0.000 min
Response: 1477357
Conc: 11.76 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.908 min
Delta R.T.: 0.000 min
Response: 1413177
Conc: 11.97 ug/ml



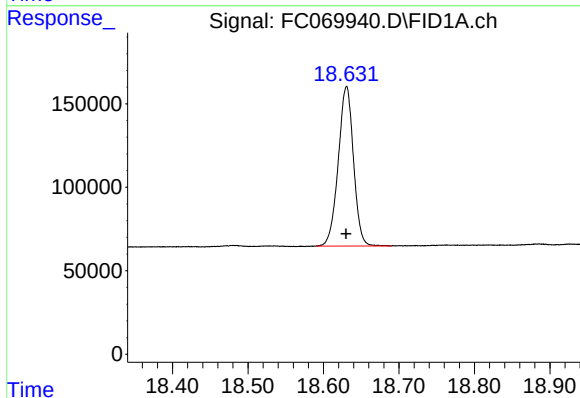
#17 n-Tricontane (C30)

R.T.: 17.796 min
Delta R.T.: -0.001 min
Response: 1411056
Conc: 12.25 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4

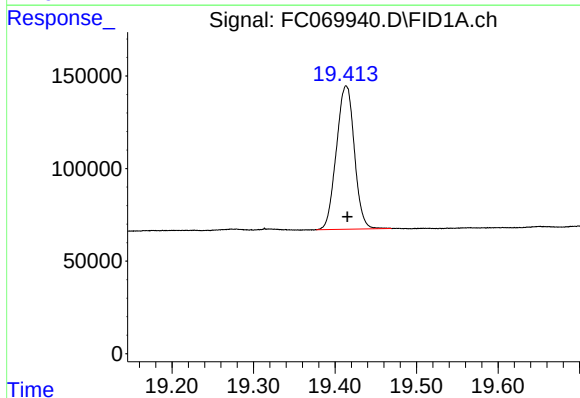
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/07/2025
Supervised By :mohammad ahmed 10/08/2025



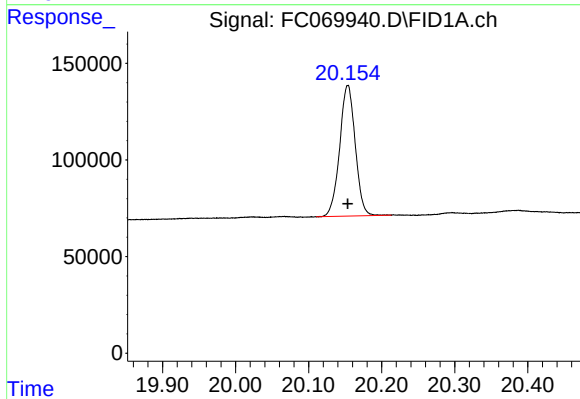
#18 n-Dotriacontane (C32)

R.T.: 18.630 min
Delta R.T.: 0.000 min
Response: 1341453
Conc: 12.43 ug/ml



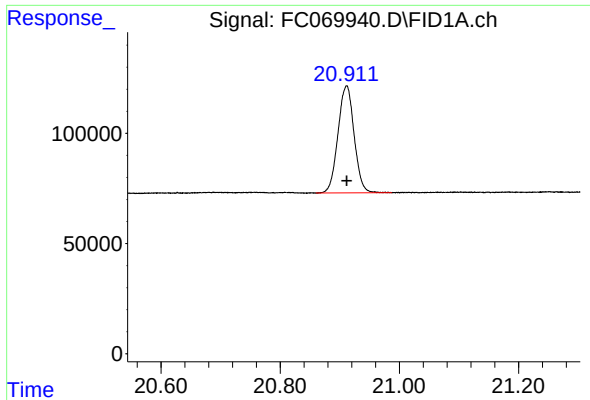
#19 n-Tetratriacontane (C34)

R.T.: 19.413 min
Delta R.T.: -0.002 min
Response: 1188034
Conc: 12.14 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.154 min
Delta R.T.: 0.000 min
Response: 1002661
Conc: 11.69 ug/ml



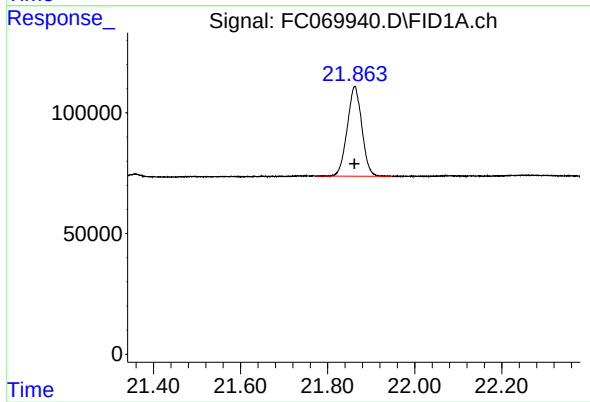
#21 n-Octatriacontane (C38)

R.T.: 20.911 min
Delta R.T.: 0.000 min
Response: 914301
Conc: 11.66 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/07/2025
Supervised By :mohammad ahmed 10/08/2025



#22 n-Tetracontane (C40)

R.T.: 21.862 min
Delta R.T.: 0.000 min
Response: 866175
Conc: 11.53 ug/ml

rters

Instrument :
FID_C
LabSampleId :
10 PPM ALIPHATIC HC STD4
Area Percent Report

Manual IntegrationsAPPROVED

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC100725
Data File : FC069940.D
Signal(s) : FID1A.ch
Acq On : 06 Oct 2025 18:35
Sample : 10 PPM ALIPHATIC HC STD4
Misc :
ALS Vial : 14 Sample Multiplier: 1

Reviewed By :Yogesh Patel 10/07/2025
Supervised By :mohammad ahmed 10/08/2025

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100725.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	3.383	3.329	3.439	BB	168169	1405419	78.00%	4.403%
2	4.454	4.399	4.507	BB	167388	1465951	81.36%	4.593%
3	6.048	5.990	6.135	BB	175506	1651182	91.64%	5.173%
4	6.477	6.427	6.527	BB	161264	1556658	86.40%	4.877%
5	7.106	7.047	7.207	BB	162945	1621428	89.99%	5.080%
6	8.274	8.210	8.342	BB	148764	1614710	89.62%	5.059%
7	9.877	9.817	9.957	BB	152925	1710570	94.94%	5.360%
8	11.321	11.257	11.394	BB	153863	1731363	96.09%	5.425%
9	11.643	11.582	11.690	BB	166069	1801769	100.00%	5.645%
10	12.632	12.570	12.684	BB	142405	1640453	91.05%	5.140%
11	13.078	13.019	13.127	BB	118480	1388999	77.09%	4.352%
12	13.244	13.184	13.289	BB	130906	1588969	88.19%	4.979%
13	13.831	13.798	13.880	VB	127858	1574378	87.38%	4.933%
14	14.935	14.845	14.992	BB	118885	1554075	86.25%	4.869%
15	15.957	15.900	16.010	BB	117520	1477357	81.99%	4.629%
16	16.908	16.842	16.965	BB	102815	1413177	78.43%	4.428%
17	17.796	17.729	17.857	BB	107103	1411056	78.32%	4.421%
18	18.630	18.590	18.690	BB	95648	1341453	74.45%	4.203%
19	19.414	19.305	19.470	BB	77410	1184171	65.72%	3.710%
20	20.154	20.110	20.214	BB	67689	1002661	55.65%	3.142%
21	20.911	20.860	20.987	BB	48675	914301	50.74%	2.865%
22	21.862	21.774	21.947	BB	37160	866175	48.07%	2.714%
Sum of corrected areas:							31916275	

Aliphatic EPH 100725.M Tue Oct 07 09:57:22 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC100725AL\
 Data File : FC069941.D
 Signal(s) : FID1A.ch
 Acq On : 06 Oct 2025 19:19
 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: Oct 07 09:28:58 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100725.M
 Quant Title : GC Extractables
 QLast Update : Tue Oct 07 09:26:41 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)	11.642	945317	5.846 ug/ml
Spiked Amount 50.000		Recovery =	11.69%
12) S 1-chlorooctadecane (S...	13.077	725060	5.800 ug/ml
Spiked Amount 50.000		Recovery =	11.60%
Target Compounds			
1) T n-Nonane (C9)	3.384	738481	5.711 ug/ml
2) T n-Decane (C10)	4.455	768097	5.680 ug/ml
3) T A~Naphthalene (C11.7)	6.048	858039	5.649 ug/ml
4) T n-Dodecane (C12)	6.477	814407	5.675 ug/ml
5) T A~2-methylnaphthalene...	7.106	839181	5.613 ug/ml
6) T n-Tetradecane (C14)	8.274	834987	5.628 ug/ml
7) T n-Hexadecane (C16)	9.877	890828	5.684 ug/ml
8) T n-Octadecane (C18)	11.320	907348	5.742 ug/ml
10) T n-Eicosane (C20)	12.631	864853	5.851 ug/ml
11) T n-Heneicosane (C21)	13.243	838040	5.867 ug/ml
13) T n-Docosane (C22)	13.831	859000	6.160 ug/ml
14) T n-Tetracosane (C24)	14.934	901906	6.766 ug/ml
15) T n-Hexacosane (C26)	15.957	890282	7.089 ug/ml
16) T n-Octacosane (C28)	16.906	879183	7.446 ug/ml
17) T n-Tricontane (C30)	17.796	882722	7.662 ug/ml
18) T n-Dotriacontane (C32)	18.628	847118	7.852 ug/ml
19) T n-Tetratriacontane (C34)	19.412	720186	7.360 ug/ml
20) T n-Hexatriacontane (C36)	20.152	578690	6.748 ug/ml
21) T n-Octatriacontane (C38)	20.910	500729	6.387 ug/ml
22) T n-Tetracontane (C40)	21.856	450964	6.001 ug/ml

(f)=RT Delta > 1/2 Window

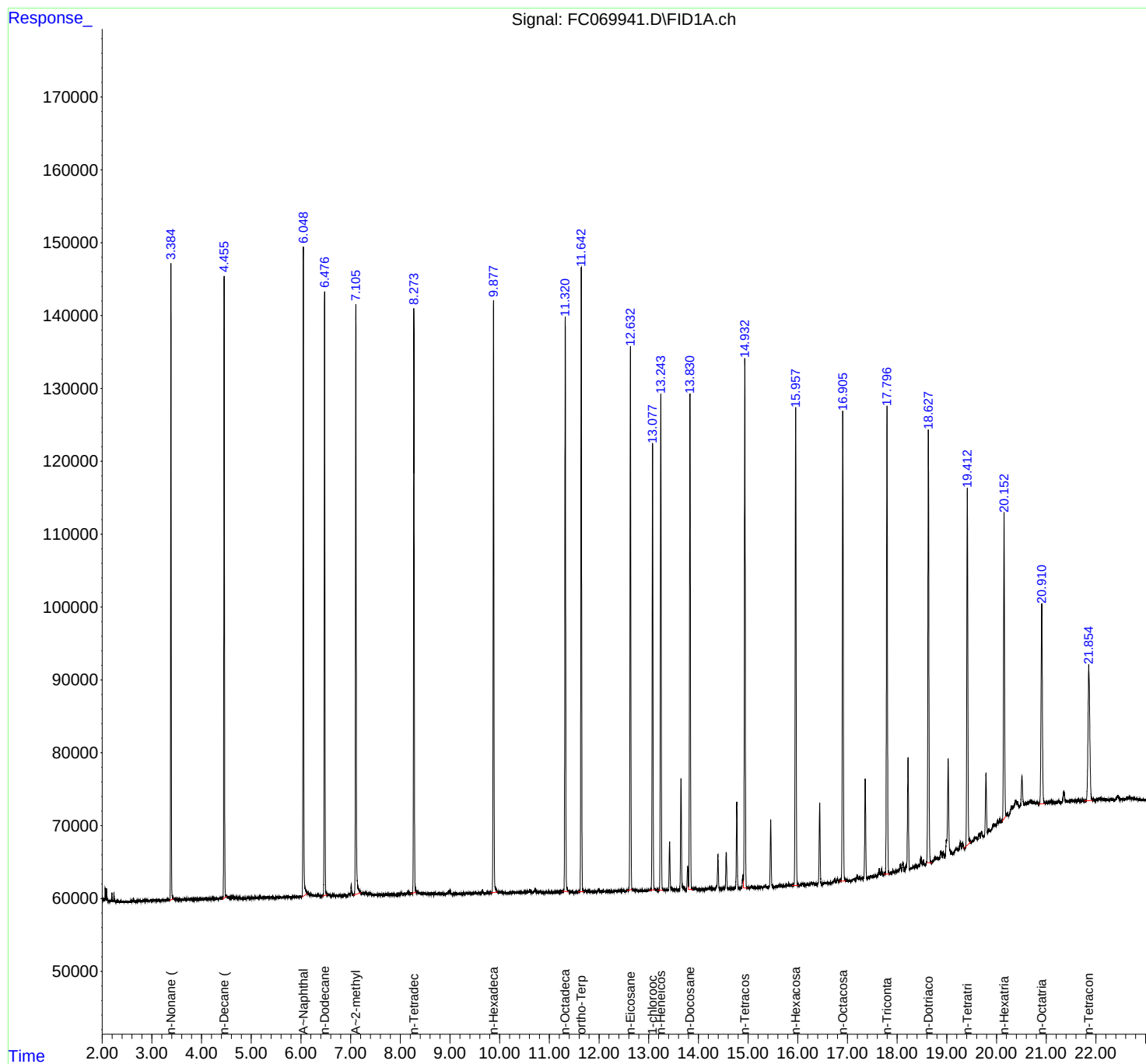
(m)=manual int.

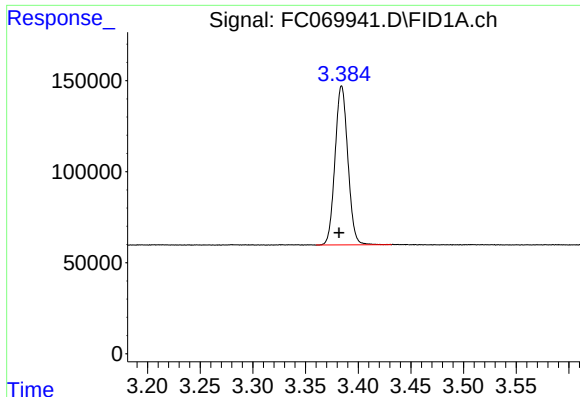
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC100725AL\
Data File : FC069941.D
Signal(s) : FID1A.ch
Acq On : 06 Oct 2025 19:19
Operator : YP/AJ
Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5

Integration File: autoint1.e
Quant Time: Oct 07 09:28:58 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100725.M
Quant Title : GC Extractables
QLast Update : Tue Oct 07 09:26:41 2025
Response via : Initial Calibration
Integrator: ChemStation

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

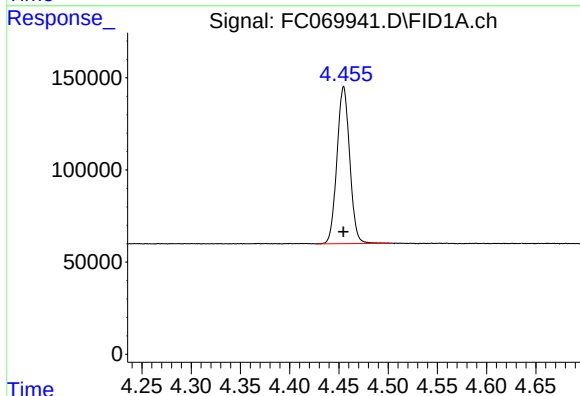




#1 n-Nonane (C9)

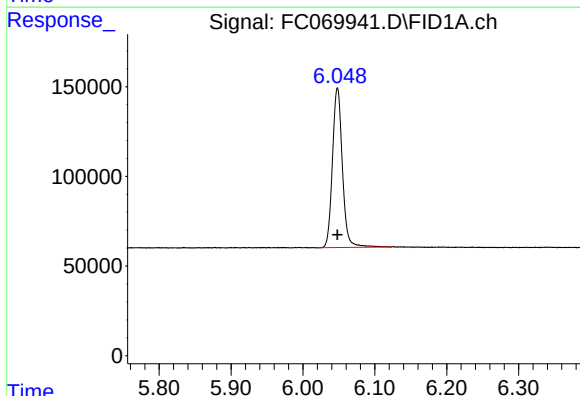
R.T.: 3.384 min
Delta R.T.: 0.002 min
Response: 738481
Conc: 5.71 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



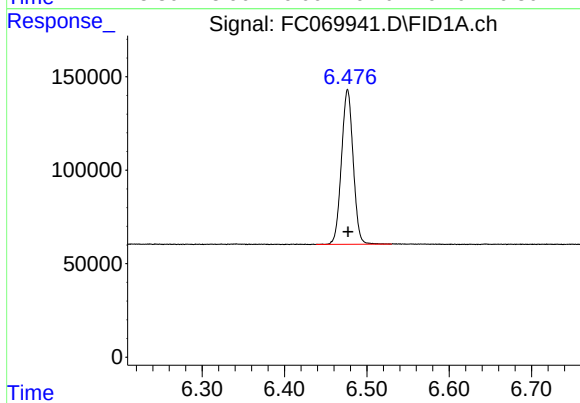
#2 n-Decane (C10)

R.T.: 4.455 min
Delta R.T.: 0.000 min
Response: 768097
Conc: 5.68 ug/ml



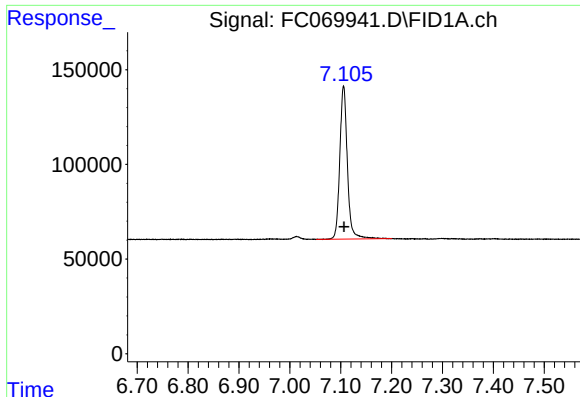
#3 A~Naphthalene (C11.7)

R.T.: 6.048 min
Delta R.T.: 0.000 min
Response: 858039
Conc: 5.65 ug/ml



#4 n-Dodecane (C12)

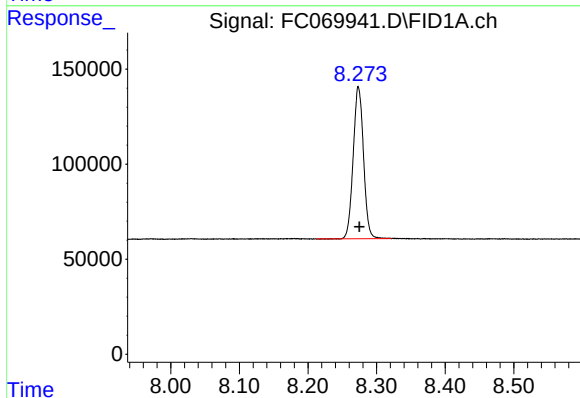
R.T.: 6.477 min
Delta R.T.: 0.000 min
Response: 814407
Conc: 5.68 ug/ml



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

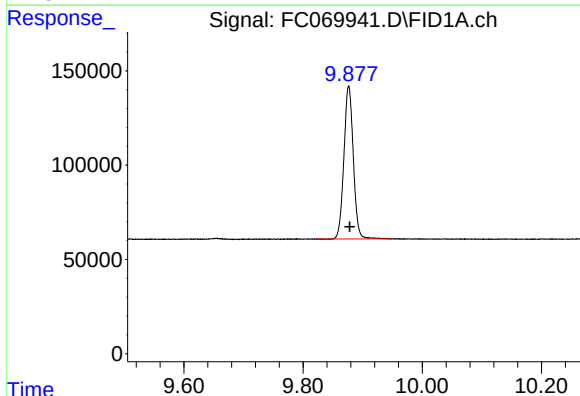
R.T.: 7.106 min
Delta R.T.: 0.000 min
Response: 839181
Conc: 5.61 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



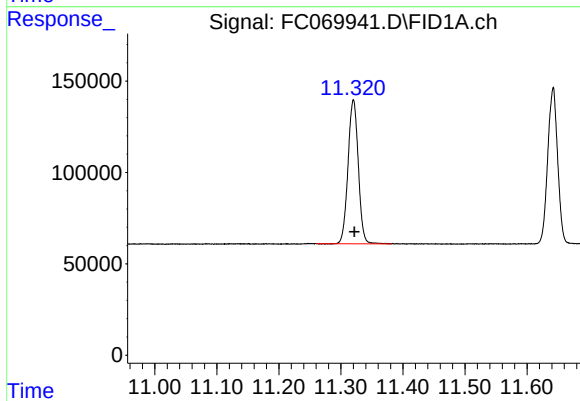
#6 n-Tetradecane (C14)

R.T.: 8.274 min
Delta R.T.: -0.001 min
Response: 834987
Conc: 5.63 ug/ml



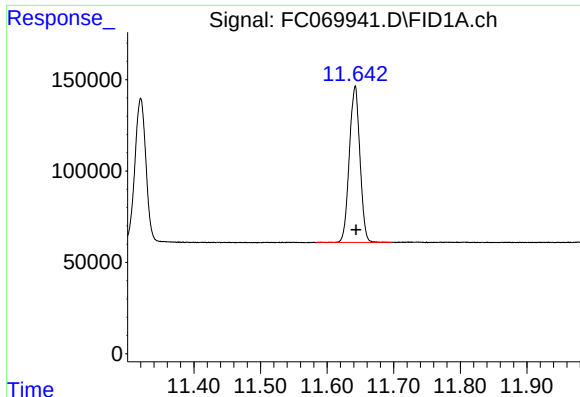
#7 n-Hexadecane (C16)

R.T.: 9.877 min
Delta R.T.: -0.002 min
Response: 890828
Conc: 5.68 ug/ml



#8 n-Octadecane (C18)

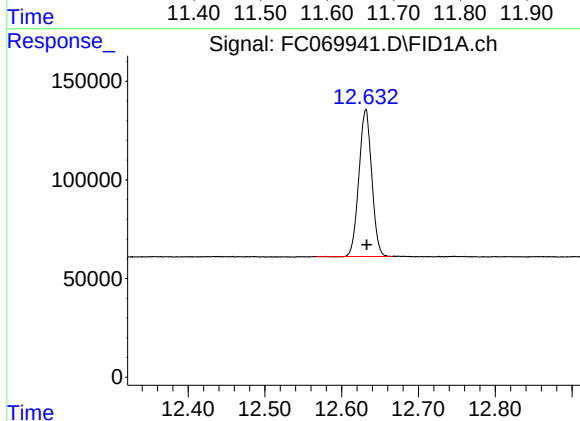
R.T.: 11.320 min
Delta R.T.: -0.002 min
Response: 907348
Conc: 5.74 ug/ml



#9 ortho-Terphenyl (SURR)

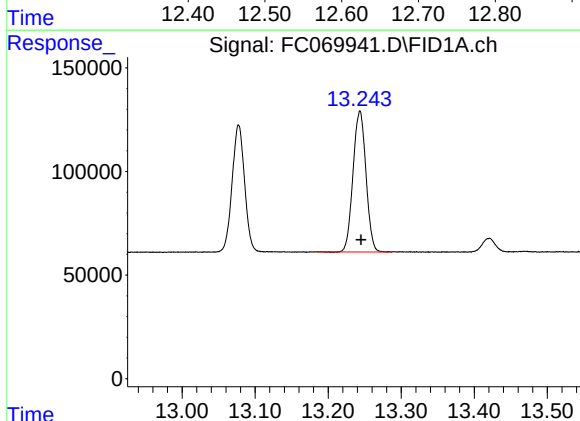
R.T.: 11.642 min
Delta R.T.: -0.002 min
Response: 945317
Conc: 5.85 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



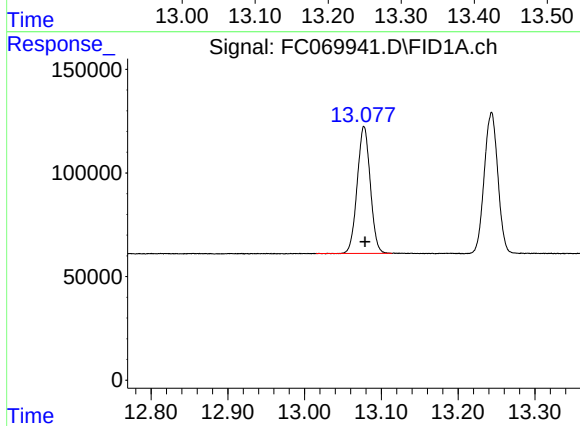
#10 n-Eicosane (C20)

R.T.: 12.631 min
Delta R.T.: -0.001 min
Response: 864853
Conc: 5.85 ug/ml



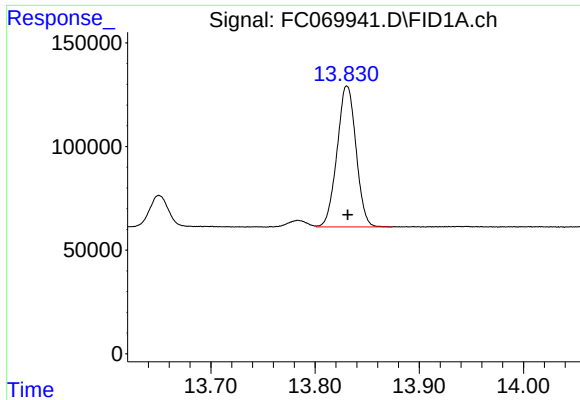
#11 n-Heneicosane (C21)

R.T.: 13.243 min
Delta R.T.: -0.002 min
Response: 838040
Conc: 5.87 ug/ml



#12 1-chlorooctadecane (SURR)

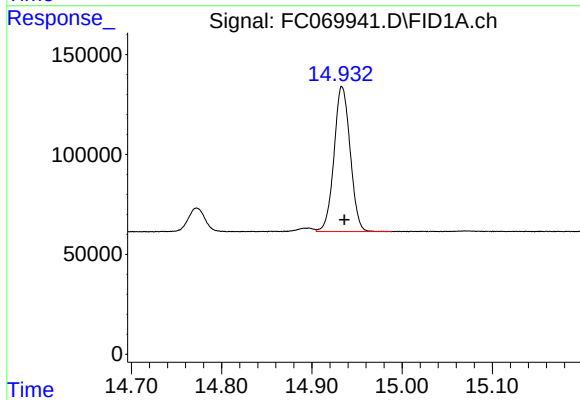
R.T.: 13.077 min
Delta R.T.: -0.002 min
Response: 725060
Conc: 5.80 ug/ml



#13 n-Docosane (C22)

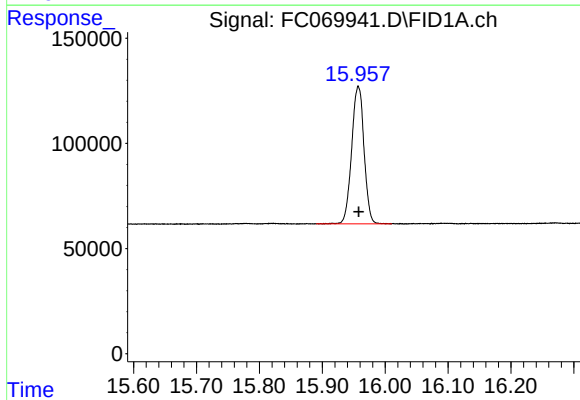
R.T.: 13.831 min
Delta R.T.: 0.000 min
Response: 859000
Conc: 6.16 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



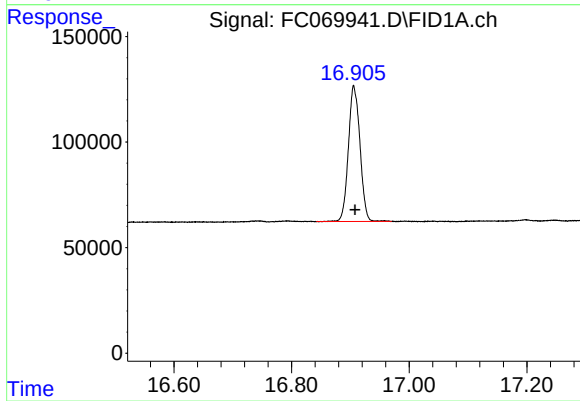
#14 n-Tetracosane (C24)

R.T.: 14.934 min
Delta R.T.: -0.003 min
Response: 901906
Conc: 6.77 ug/ml



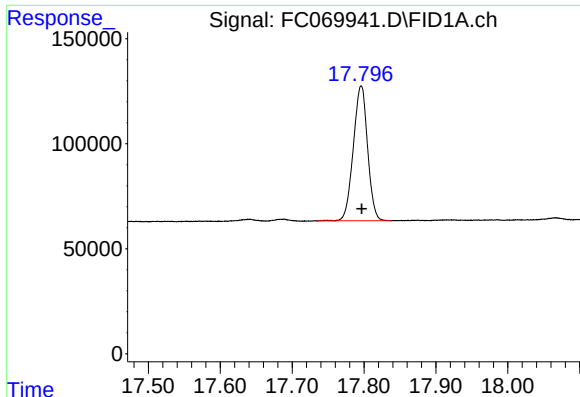
#15 n-Hexacosane (C26)

R.T.: 15.957 min
Delta R.T.: 0.000 min
Response: 890282
Conc: 7.09 ug/ml



#16 n-Octacosane (C28)

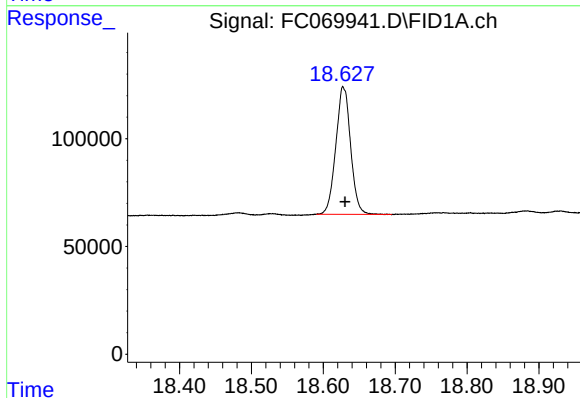
R.T.: 16.906 min
Delta R.T.: -0.002 min
Response: 879183
Conc: 7.45 ug/ml



#17 n-Tricontane (C30)

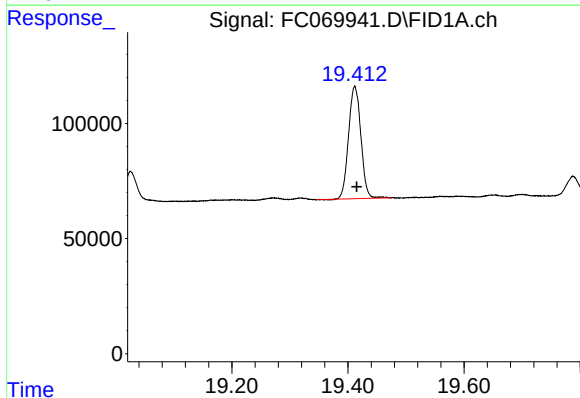
R.T.: 17.796 min
Delta R.T.: -0.001 min
Response: 882722
Conc: 7.66 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



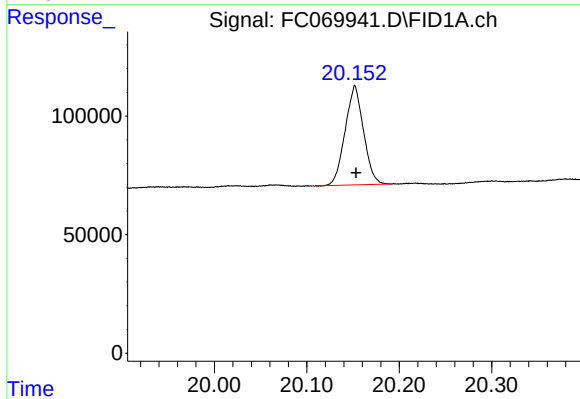
#18 n-Dotriacontane (C32)

R.T.: 18.628 min
Delta R.T.: -0.002 min
Response: 847118
Conc: 7.85 ug/ml



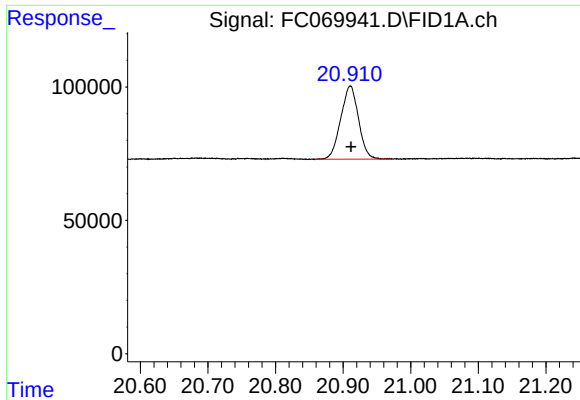
#19 n-Tetratriacontane (C34)

R.T.: 19.412 min
Delta R.T.: -0.003 min
Response: 720186
Conc: 7.36 ug/ml



#20 n-Hexatriacontane (C36)

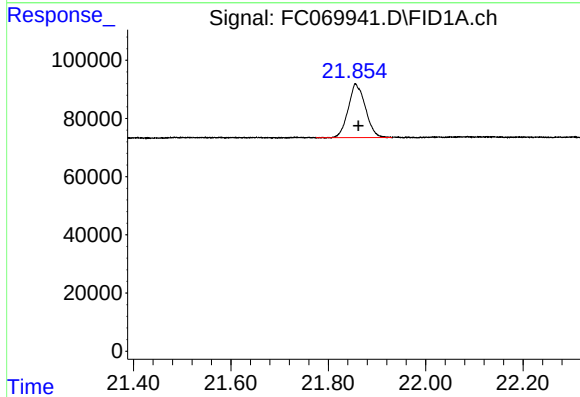
R.T.: 20.152 min
Delta R.T.: -0.001 min
Response: 578690
Conc: 6.75 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.910 min
Delta R.T.: -0.001 min
Response: 500729
Conc: 6.39 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



#22 n-Tetracontane (C40)

R.T.: 21.856 min
Delta R.T.: -0.005 min
Response: 450964
Conc: 6.00 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC100725AL\
 Data File : FC069941.D
 Signal(s) : FID1A.ch
 Acq On : 06 Oct 2025 19:19
 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 100725.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	3.360	3.432	BB	87399	738481	78.12%	4.211%
2	4.455	4.427	4.503	BB	85389	768097	81.25%	4.380%
3	6.048	6.018	6.123	BB	89131	858039	90.77%	4.893%
4	6.477	6.438	6.530	BB	82846	814407	86.15%	4.644%
5	7.106	7.052	7.200	BB	80824	839181	88.77%	4.786%
6	8.274	8.212	8.322	BB	79816	834987	88.33%	4.762%
7	9.877	9.822	9.948	BB	81191	890828	94.24%	5.080%
8	11.320	11.260	11.382	BB	78919	907348	95.98%	5.174%
9	11.642	11.583	11.697	BB	85468	945317	100.00%	5.391%
10	12.631	12.567	12.665	BB	74880	864853	91.49%	4.932%
11	13.077	13.015	13.113	BB	61432	725060	76.70%	4.135%
12	13.243	13.183	13.287	BB	68289	838040	88.65%	4.779%
13	13.831	13.801	13.873	VB	68032	859000	90.87%	4.899%
14	14.934	14.905	14.988	VB	72431	901906	95.41%	5.143%
15	15.957	15.890	16.010	BB	65508	890282	94.18%	5.077%
16	16.906	16.842	16.970	BB	63384	879183	93.00%	5.014%
17	17.796	17.733	17.838	BB	64281	882722	93.38%	5.034%
18	18.628	18.590	18.695	BB	58574	847118	89.61%	4.831%
19	19.412	19.345	19.475	BB	48804	720186	76.18%	4.107%
20	20.152	20.110	20.192	BV	41987	578690	61.22%	3.300%
21	20.910	20.860	20.972	BB	27441	500729	52.97%	2.856%
22	21.856	21.775	21.930	BB	18425	450964	47.71%	2.572%
Sum of corrected areas:							17535417	

Aliphatic EPH 100725.M Tue Oct 07 09:57:59 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC100725AL\
 Data File : FC069942.D
 Signal(s) : FID1A.ch
 Acq On : 06 Oct 2025 20:02
 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: Oct 07 09:37:44 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100725.M
 Quant Title : GC Extractables
 QLast Update : Tue Oct 07 09:35:40 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)	11.643	3426826	19.515 ug/ml
Spiked Amount 50.000		Recovery =	39.03%
12) S 1-chlorooctadecane (S...	13.078	2637598	19.431 ug/ml
Spiked Amount 50.000		Recovery =	38.86%
Target Compounds			
1) T n-Nonane (C9)	3.384	2690163	19.591 ug/ml
2) T n-Decane (C10)	4.455	2807684	19.530 ug/ml
3) T A~Naphthalene (C11.7)	6.048	3180233	19.678 ug/ml
4) T n-Dodecane (C12)	6.477	2978686	19.433 ug/ml
5) T A~2-methylnaphthalene...	7.106	3136946	19.661 ug/ml
6) T n-Tetradecane (C14)	8.275	3069732	19.301 ug/ml
7) T n-Hexadecane (C16)	9.878	3247204	19.269 ug/ml
8) T n-Octadecane (C18)	11.322	3293110	19.356 ug/ml
10) T n-Eicosane (C20)	12.632	3100336	19.325 ug/ml
11) T n-Heneicosane (C21)	13.245	3008707	19.377 ug/ml
13) T n-Docosane (C22)	13.832	2942368	19.119 ug/ml
14) T n-Tetracosane (C24)	14.936	2823498	18.621 ug/ml
15) T n-Hexacosane (C26)	15.957	2666763	18.425 ug/ml
16) T n-Octacosane (C28)	16.908	2509230	18.143 ug/ml
17) T n-Tricontane (C30)	17.796	2433398	17.823 ug/ml
18) T n-Dotriacontane (C32)	18.630	2267655	17.588 ug/ml
19) T n-Tetratriacontane (C34)	19.413	2049192	17.960 ug/ml
20) T n-Hexatriacontane (C36)	20.154	1789545	18.504 ug/ml
21) T n-Octatriacontane (C38)	20.913	1635409	18.764 ug/ml
22) T n-Tetracontane (C40)	21.863	1551501	18.883 ug/ml

(f)=RT Delta > 1/2 Window

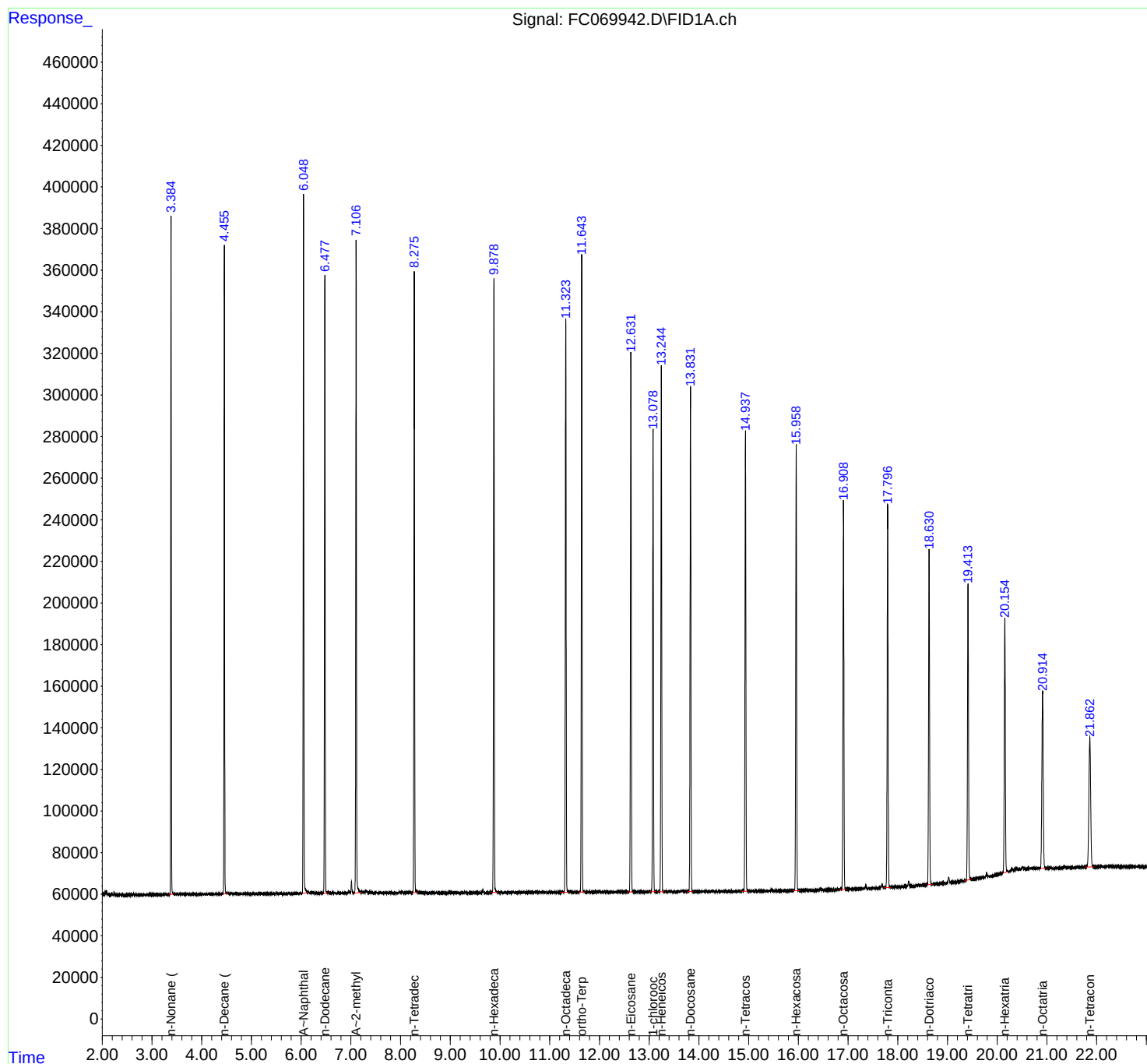
(m)=manual int.

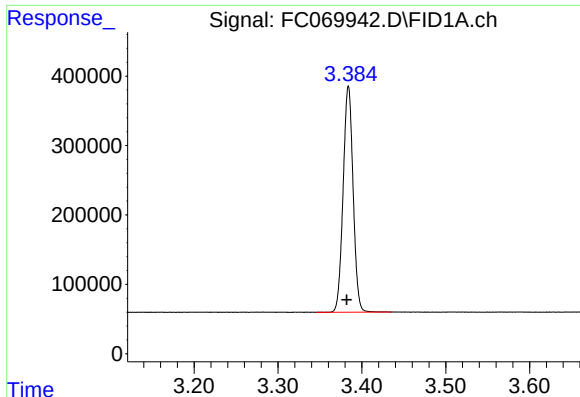
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC100725AL\
Data File : FC069942.D
Signal(s) : FID1A.ch
Acq On : 06 Oct 2025 20:02
Operator : YP/AJ
Sample : 20 PPM ALIPHATIC HC STD ICV
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV

Integration File: autoint1.e
Quant Time: Oct 07 09:37:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100725.M
Quant Title : GC Extractables
QLast Update : Tue Oct 07 09:35:40 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)

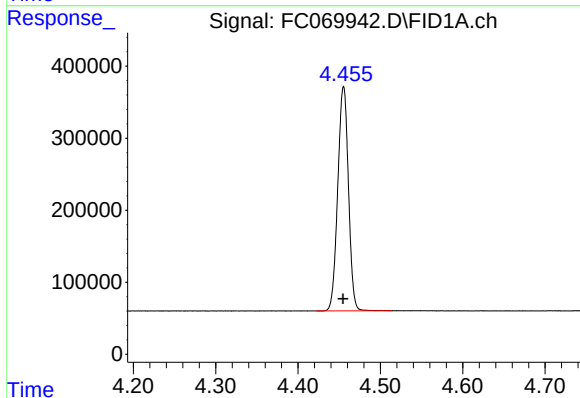
R.T.: 3.384 min
Delta R.T.: 0.002 min
Response: 2690163
Conc: 19.59 ug/ml

Instrument :

FID_C

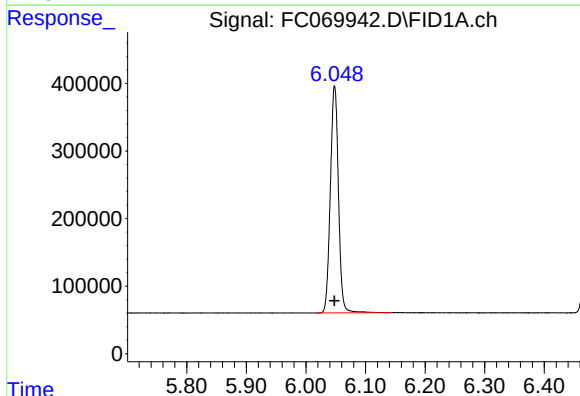
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



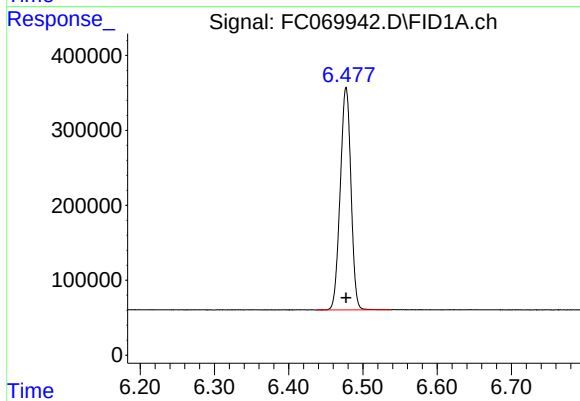
#2 n-Decane (C10)

R.T.: 4.455 min
Delta R.T.: 0.000 min
Response: 2807684
Conc: 19.53 ug/ml



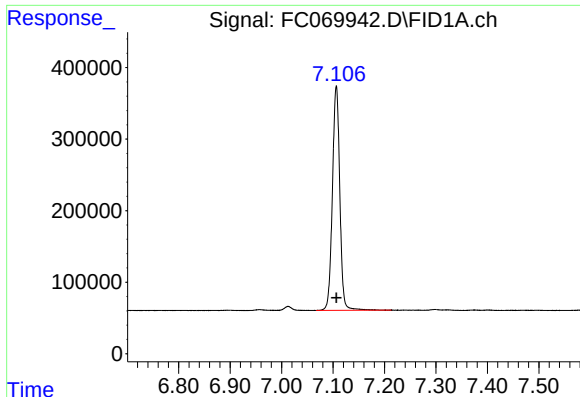
#3 A~Naphthalene (C11.7)

R.T.: 6.048 min
Delta R.T.: 0.000 min
Response: 3180233
Conc: 19.68 ug/ml



#4 n-Dodecane (C12)

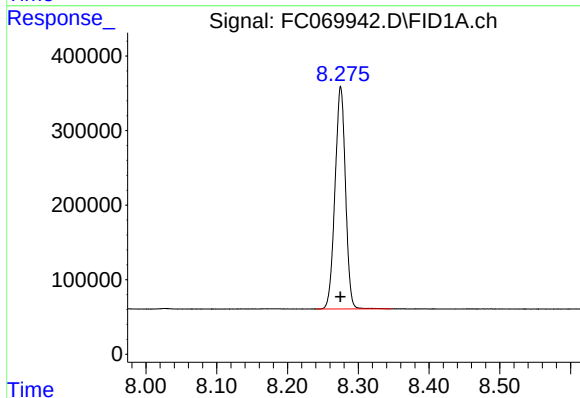
R.T.: 6.477 min
Delta R.T.: 0.000 min
Response: 2978686
Conc: 19.43 ug/ml



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

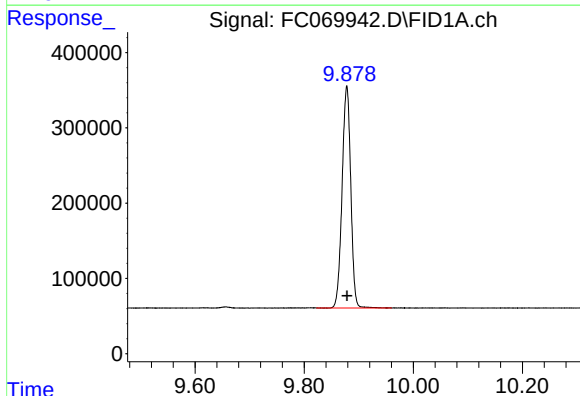
R.T.: 7.106 min
Delta R.T.: 0.000 min
Response: 3136946
Conc: 19.66 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



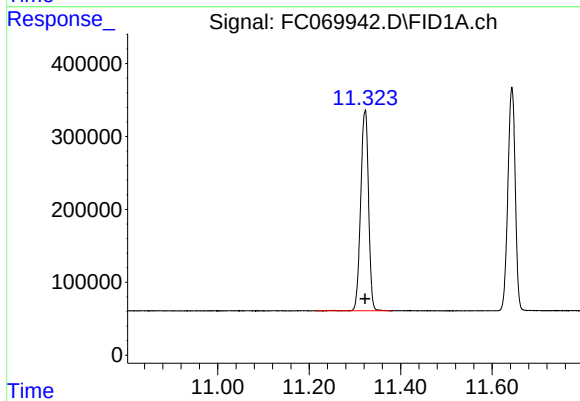
#6 n-Tetradecane (C14)

R.T.: 8.275 min
Delta R.T.: 0.000 min
Response: 3069732
Conc: 19.30 ug/ml



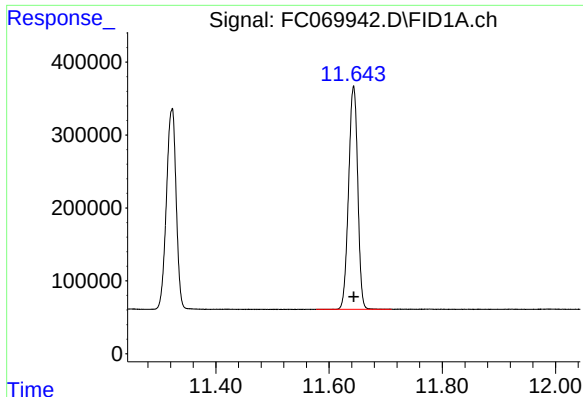
#7 n-Hexadecane (C16)

R.T.: 9.878 min
Delta R.T.: 0.000 min
Response: 3247204
Conc: 19.27 ug/ml



#8 n-Octadecane (C18)

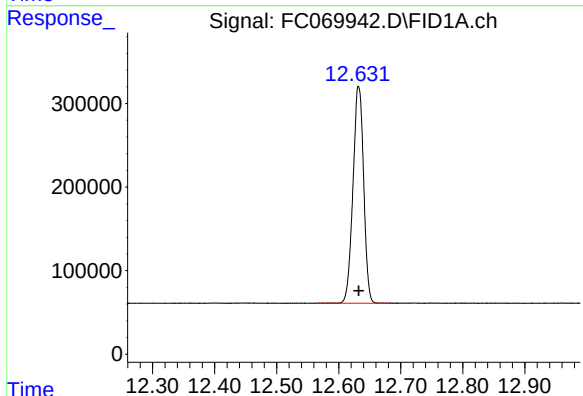
R.T.: 11.322 min
Delta R.T.: 0.000 min
Response: 3293110
Conc: 19.36 ug/ml



#9 ortho-Terphenyl (SURR)

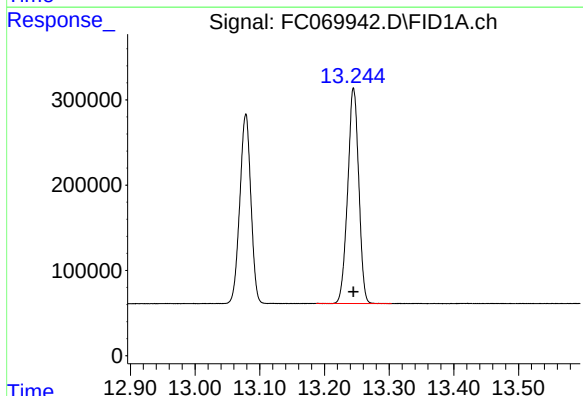
R.T.: 11.643 min
Delta R.T.: 0.000 min
Response: 3426826
Conc: 19.51 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



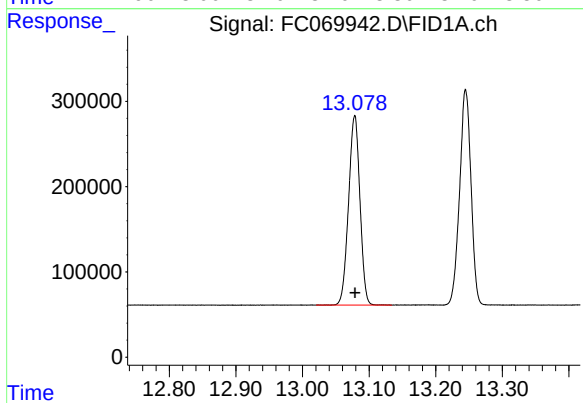
#10 n-Eicosane (C20)

R.T.: 12.632 min
Delta R.T.: 0.000 min
Response: 3100336
Conc: 19.32 ug/ml



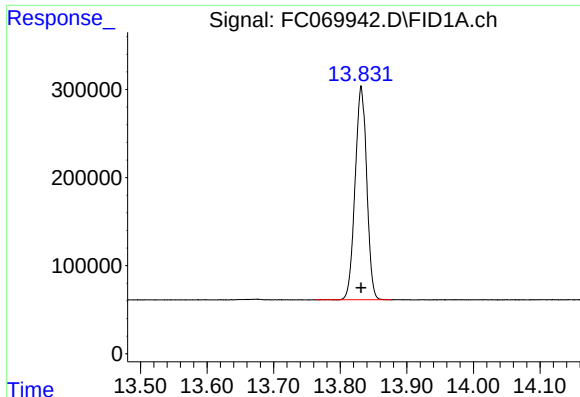
#11 n-Heneicosane (C21)

R.T.: 13.245 min
Delta R.T.: 0.000 min
Response: 3008707
Conc: 19.38 ug/ml



#12 1-chlorooctadecane (SURR)

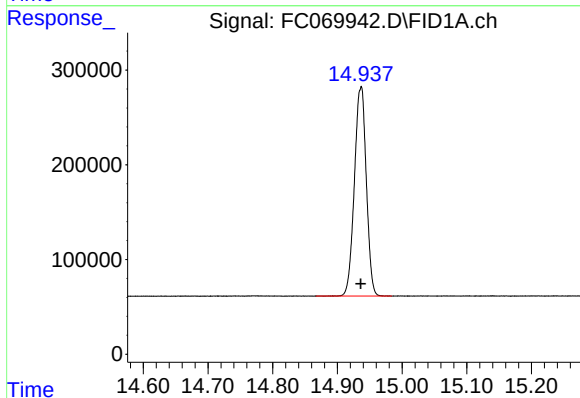
R.T.: 13.078 min
Delta R.T.: 0.000 min
Response: 2637598
Conc: 19.43 ug/ml



#13 n-Docosane (C22)

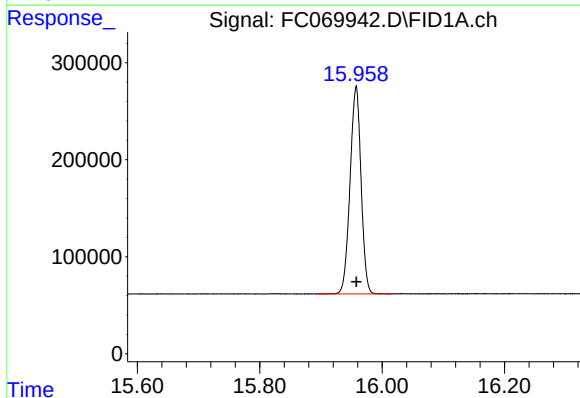
R.T.: 13.832 min
Delta R.T.: 0.000 min
Response: 2942368
Conc: 19.12 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



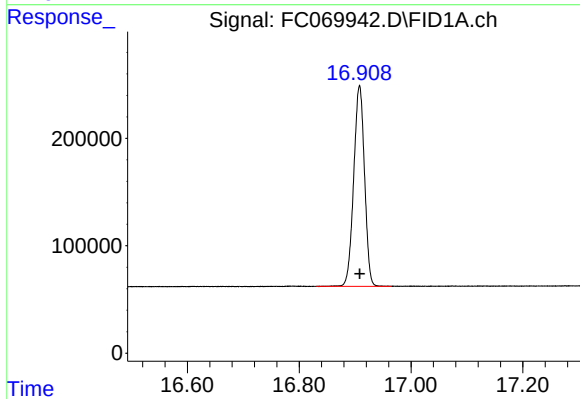
#14 n-Tetracosane (C24)

R.T.: 14.936 min
Delta R.T.: 0.000 min
Response: 2823498
Conc: 18.62 ug/ml



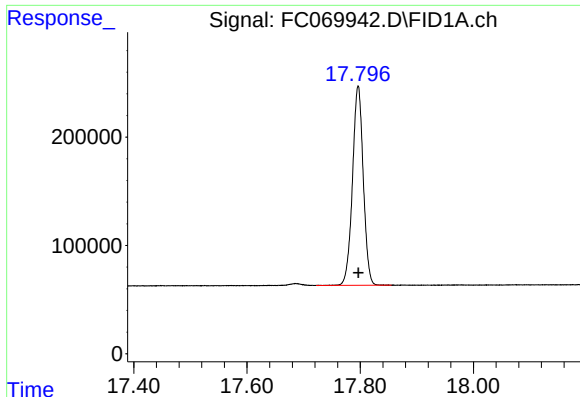
#15 n-Hexacosane (C26)

R.T.: 15.957 min
Delta R.T.: 0.000 min
Response: 2666763
Conc: 18.42 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.908 min
Delta R.T.: 0.000 min
Response: 2509230
Conc: 18.14 ug/ml



#17 n-Tricontane (C30)

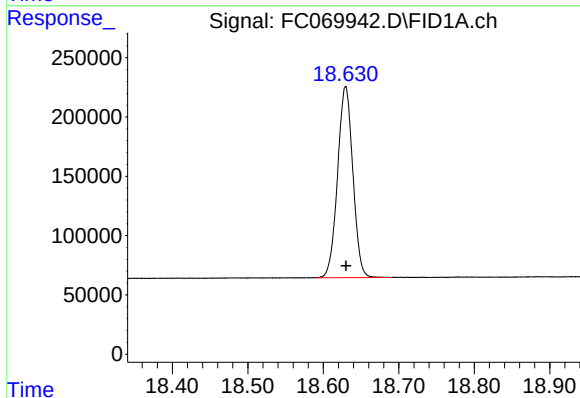
R.T.: 17.796 min
Delta R.T.: 0.000 min
Response: 2433398
Conc: 17.82 ug/ml

Instrument :

FID_C

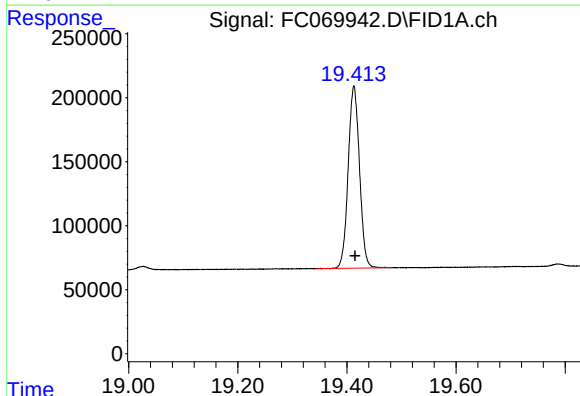
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



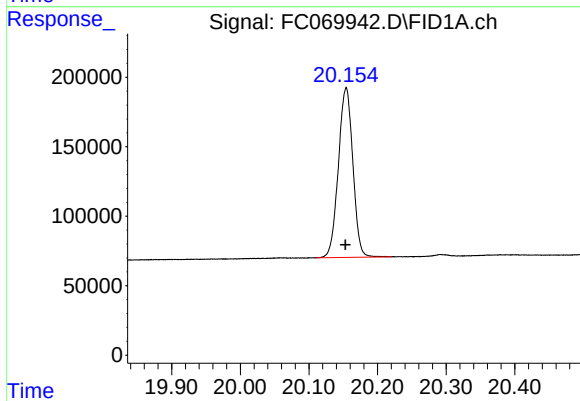
#18 n-Dotriacontane (C32)

R.T.: 18.630 min
Delta R.T.: 0.000 min
Response: 2267655
Conc: 17.59 ug/ml



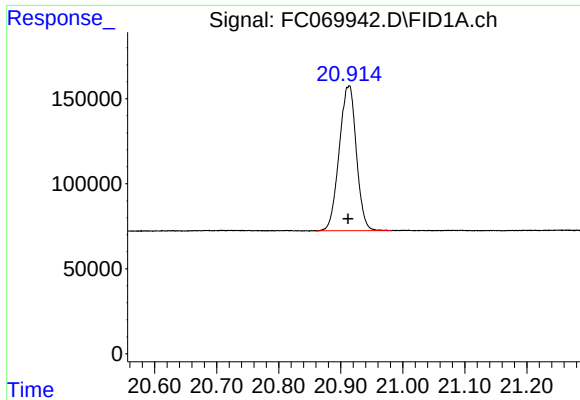
#19 n-Tetratriacontane (C34)

R.T.: 19.413 min
Delta R.T.: -0.002 min
Response: 2049192
Conc: 17.96 ug/ml



#20 n-Hexatriacontane (C36)

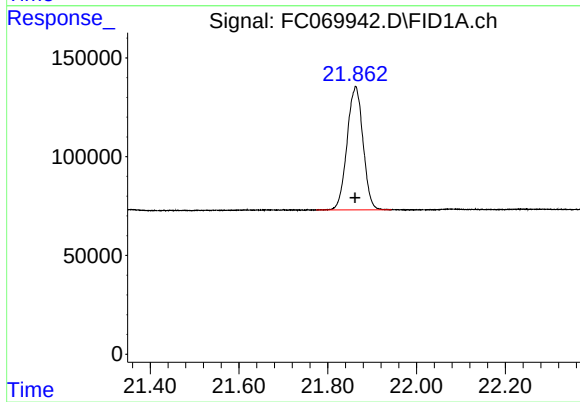
R.T.: 20.154 min
Delta R.T.: 0.000 min
Response: 1789545
Conc: 18.50 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.913 min
Delta R.T.: 0.001 min
Response: 1635409
Conc: 18.76 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



#22 n-Tetracontane (C40)

R.T.: 21.863 min
Delta R.T.: 0.001 min
Response: 1551501
Conc: 18.88 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC100725AL\
Data File : FC069942.D
Signal(s) : FID1A.ch
Acq On : 06 Oct 2025 20:02
Sample : 20 PPM ALIPHATIC HC STD ICV
Misc :
ALS Vial : 16 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100725.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	3.345	3.435	BB	326047	2690163	78.50%	4.541%
2	4.455	4.422	4.514	BB	312168	2807684	81.93%	4.739%
3	6.048	6.017	6.144	BB	335724	3180233	92.80%	5.368%
4	6.477	6.437	6.539	BB	296904	2978686	86.92%	5.028%
5	7.106	7.067	7.214	BB	314883	3136946	91.54%	5.295%
6	8.275	8.240	8.347	BB	298279	3069732	89.58%	5.181%
7	9.878	9.822	9.960	BB	295818	3247204	94.76%	5.481%
8	11.322	11.215	11.380	BB	274076	3293110	96.10%	5.558%
9	11.643	11.577	11.710	BB	306886	3426826	100.00%	5.784%
10	12.632	12.564	12.685	BB	259116	3100336	90.47%	5.233%
11	13.078	13.020	13.134	BB	222898	2637598	76.97%	4.452%
12	13.245	13.187	13.304	BB	252002	3008707	87.80%	5.078%
13	13.832	13.764	13.877	BB	241087	2942368	85.86%	4.966%
14	14.936	14.867	14.984	BB	219598	2823498	82.39%	4.766%
15	15.957	15.892	16.015	BB	213617	2666763	77.82%	4.501%
16	16.908	16.830	16.965	BB	186423	2509230	73.22%	4.235%
17	17.796	17.722	17.855	BB	184577	2433398	71.01%	4.107%
18	18.630	18.590	18.690	BB	161232	2267655	66.17%	3.828%
19	19.413	19.344	19.482	BB	142309	2049192	59.80%	3.459%
20	20.154	20.110	20.220	BB	121981	1789545	52.22%	3.021%
21	20.913	20.860	20.982	BB	84630	1635409	47.72%	2.760%
22	21.863	21.774	21.944	BB	62588	1551501	45.28%	2.619%
Sum of corrected areas:							59245785	

Aliphatic EPH 100725.M Tue Oct 07 09:58:19 2025