

Initial Calibration Report for SequenceID : FC052425AL

AreaCount

Parameter Range	FC068998.D	FC068999.D	FC069000.D	FC069001.D	FC069002.D	
Aliphatic C9-C12	30972986.000	14697820.000	6552580.000	3389981.000	1577245.000	
Aliphatic C12-C16	19730095.000	9409770.000	4233296.000	2174844.000	1026044.000	
Aliphatic C16-C21	27989044.000	13592271.000	6091143.000	3134146.000	1491343.000	
Aliphatic C21-C28	35203824.000	17414178.000	7749092.000	4002009.000	1940505.000	
Aliphatic C28-C40	51848700.000	25927287.000	11552782.000	6038750.000	3073121.000	
Aliphatic EPH	165744649.000	81041326.000	36178893.000	18739730.000	9108258.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aliphatic C9-C12	105717.490666	5.423				
Aliphatic C12-C16	101985.435	5.679				
Aliphatic C16-C21	97865.080666	5.889				
Aliphatic C21-C28	93803.915	6.254				
Aliphatic C28-C40	94439.034666	8.107				
Aliphatic EPH	97587.1362218	6.302				

Concentration

Parameter Range	FC068998.D	FC068999.D	FC069000.D	FC069001.D	FC069002.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	FC068998.D	FC068999.D	FC069000.D	FC069001.D	FC069002.D	
Aliphatic C9-C12	103243.286666	97985.466666	109209.666666	112999.366666	105149.666666	
Aliphatic C12-C16	98650.475000	94097.700000	105832.400000	108742.200000	102604.400000	
Aliphatic C16-C21	93296.813333	90615.140000	101519.050000	104471.533333	99422.866666	

Initial Calibration Report for SequenceID : FC052425AL

Aliphatic C21-C28	88009.560000	87070.890000	96863.650000	100050.225000	97025.250000	
Aliphatic C28-C40	86414.500000	86424.290000	96273.183333	100645.833333	102437.366666	
Aliphatic EPH	92080.360555	90045.917777	100496.925000	104109.611111	101202.866666	

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC052425AL\
 Data File : FC068998.D
 Signal(s) : FID1A.ch
 Acq On : 23 May 2025 14:12
 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: May 27 01:39:20 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 052425.M
 Quant Title : GC Extractables
 QLast Update : Tue May 27 01:38:24 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)	11.716	11821192	92.940 ug/ml
Spiked Amount 50.000		Recovery =	185.88%
12) S 1-chlorooctadecane (S...	13.146	8625984	92.876 ug/ml
Spiked Amount 50.000		Recovery =	185.75%
Target Compounds			
1) T n-Nonane (C9)	3.445	10375761	94.687 ug/ml
2) T n-Decane (C10)	4.520	10344503	94.653 ug/ml
3) T A~Naphthalene (C11.7)	6.117	11247275	94.020 ug/ml
4) T n-Dodecane (C12)	6.544	10252722	94.269 ug/ml
5) T A~2-methylnaphthalene...	7.176	11013065	93.634 ug/ml
6) T n-Tetradecane (C14)	8.342	9945148	93.548 ug/ml
7) T n-Hexadecane (C16)	9.945	9784947	92.877 ug/ml
8) T n-Octadecane (C18)	11.391	9583167	92.260 ug/ml
10) T n-Eicosane (C20)	12.700	9270018	91.772 ug/ml
11) T n-Heneicosane (C21)	13.312	9135859	91.657 ug/ml
13) T n-Docosane (C22)	13.899	9015652	91.358 ug/ml
14) T n-Tetracosane (C24)	15.003	8863510	90.984 ug/ml
15) T n-Hexacosane (C26)	16.025	8719578	90.867 ug/ml
16) T n-Octacosane (C28)	16.974	8605084	90.208 ug/ml
17) T n-Tricontane (C30)	17.865	8737224	88.800 ug/ml
18) T n-Dotriacontane (C32)	18.698	8810424	88.025 ug/ml
19) T n-Tetratriacontane (C34)	19.483	8674302	88.841 ug/ml
20) T n-Hexatriacontane (C36)	20.225	8737632	90.191 ug/ml
21) T n-Octatriacontane (C38)	20.997	8533328	91.107 ug/ml
22) T n-Tetracontane (C40)	21.977	8355790	91.845 ug/ml

(f)=RT Delta > 1/2 Window

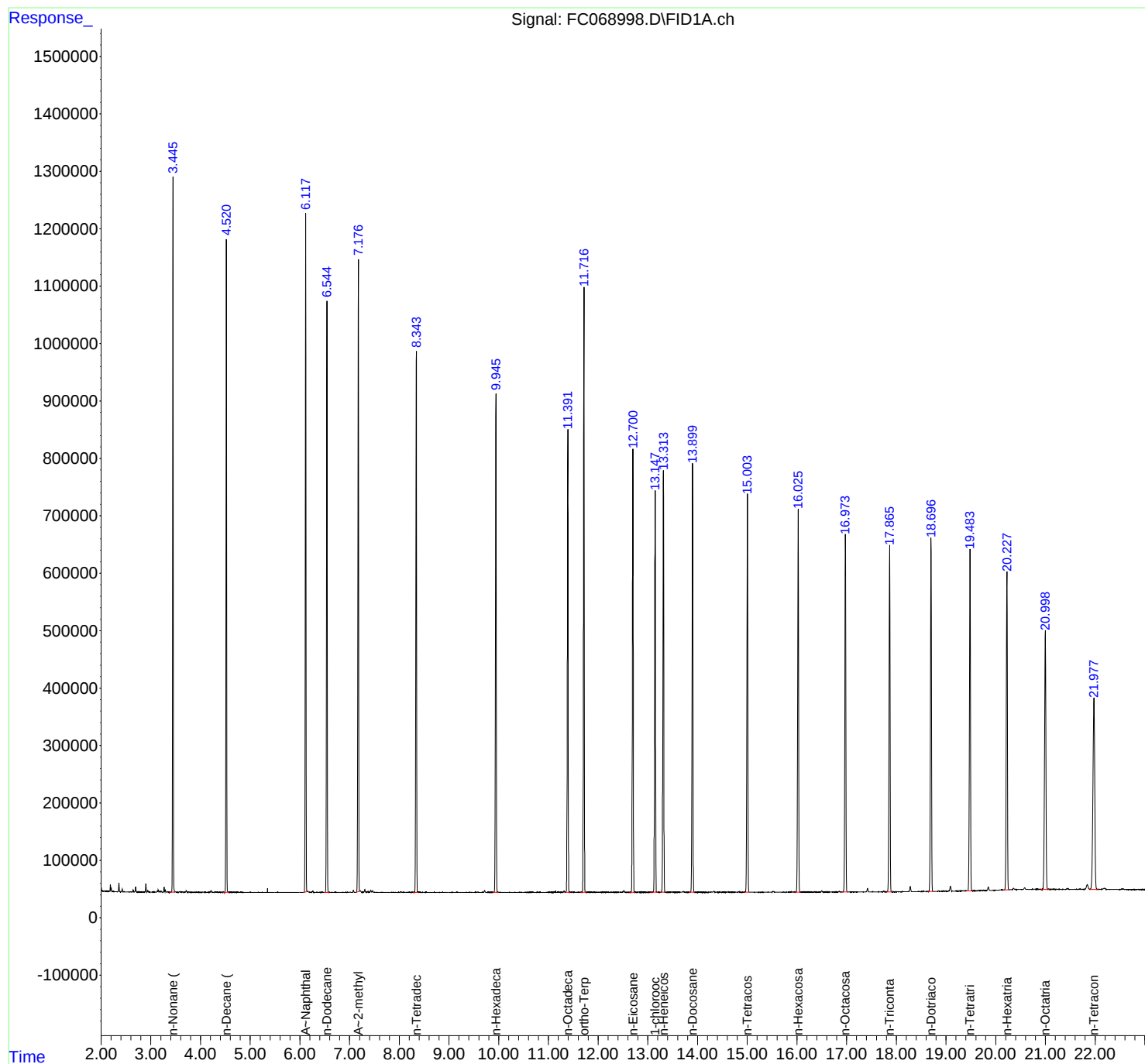
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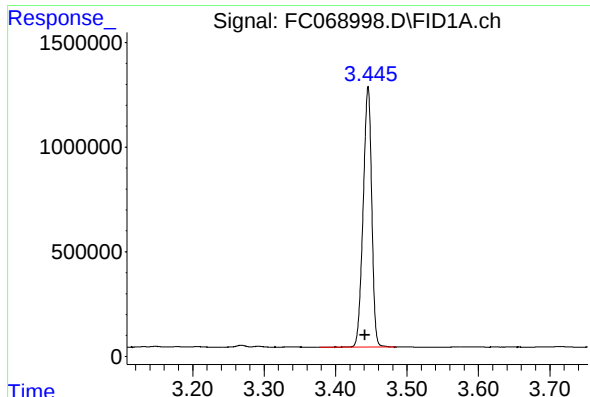
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Data File : FC068998.D
Signal(s) : FID1A.ch
Acq On : 23 May 2025 14:12
Operator : YP/AJ
Sample : 100 PPM ALIPHATIC HC STD1
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1

Integration File: autoint1.e
Quant Time: May 27 01:39:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 052425.M
Quant Title : GC Extractables
QLast Update : Tue May 27 01:38:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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

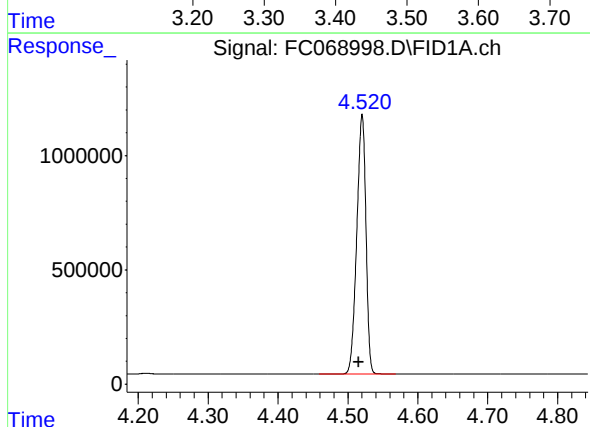




#1 n-Nonane (C9)

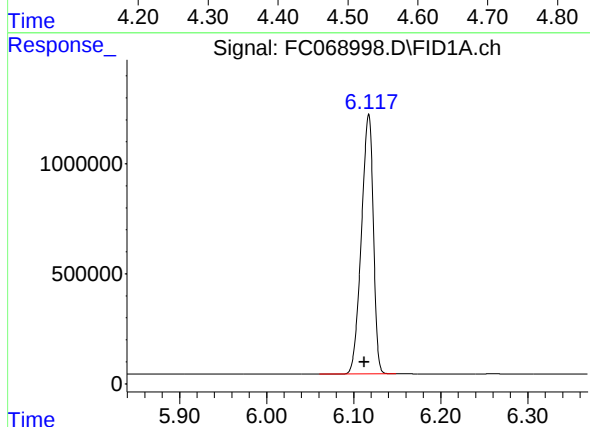
R.T.: 3.445 min
Delta R.T.: 0.004 min
Response: 10375761
Conc: 94.69 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



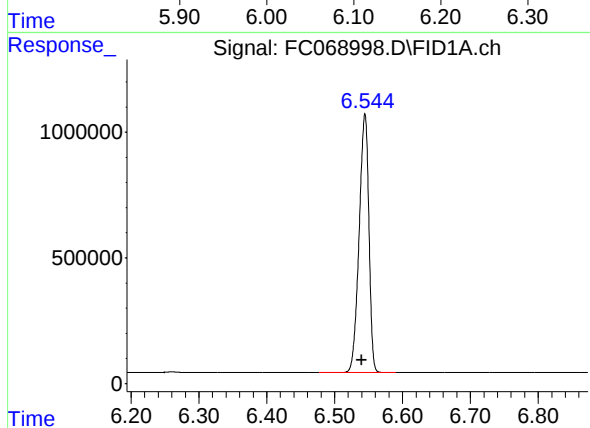
#2 n-Decane (C10)

R.T.: 4.520 min
Delta R.T.: 0.005 min
Response: 10344503
Conc: 94.65 ug/ml



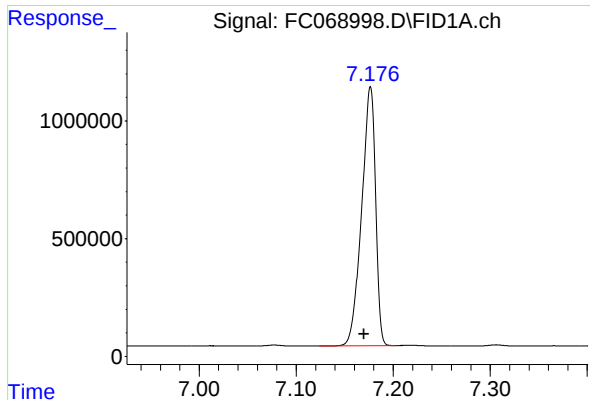
#3 A~Naphthalene (C11.7)

R.T.: 6.117 min
Delta R.T.: 0.005 min
Response: 11247275
Conc: 94.02 ug/ml



#4 n-Dodecane (C12)

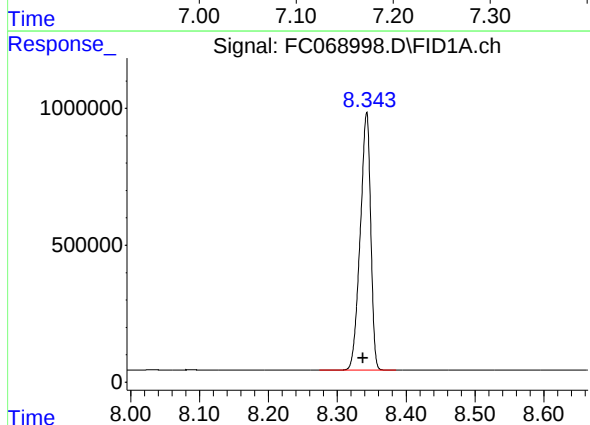
R.T.: 6.544 min
Delta R.T.: 0.005 min
Response: 10252722
Conc: 94.27 ug/ml



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

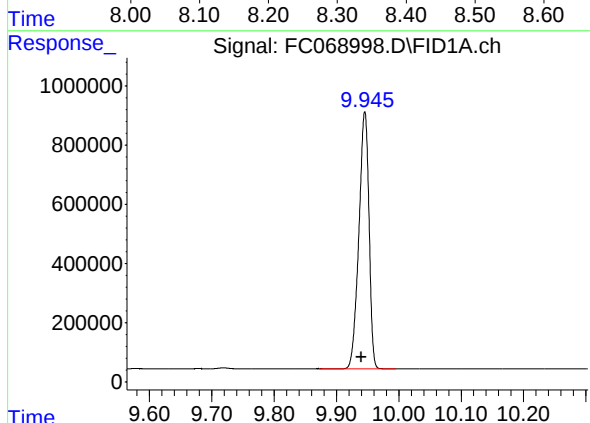
R.T.: 7.176 min
Delta R.T.: 0.006 min
Response: 11013065
Conc: 93.63 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



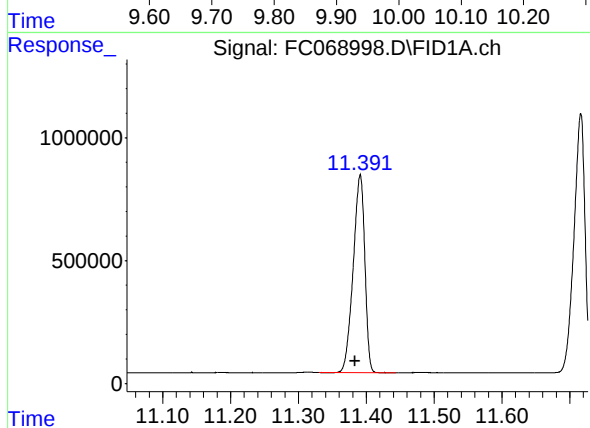
#6 n-Tetradecane (C14)

R.T.: 8.342 min
Delta R.T.: 0.005 min
Response: 9945148
Conc: 93.55 ug/ml



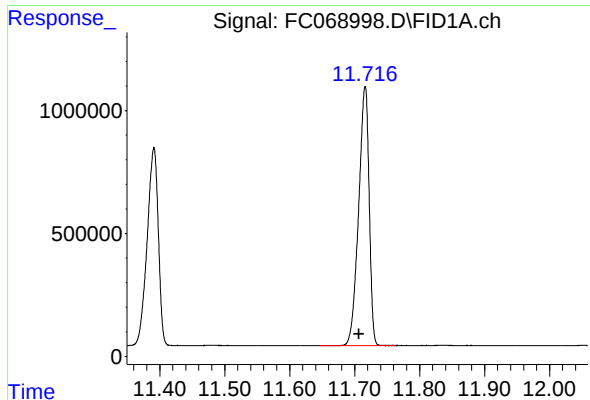
#7 n-Hexadecane (C16)

R.T.: 9.945 min
Delta R.T.: 0.005 min
Response: 9784947
Conc: 92.88 ug/ml



#8 n-Octadecane (C18)

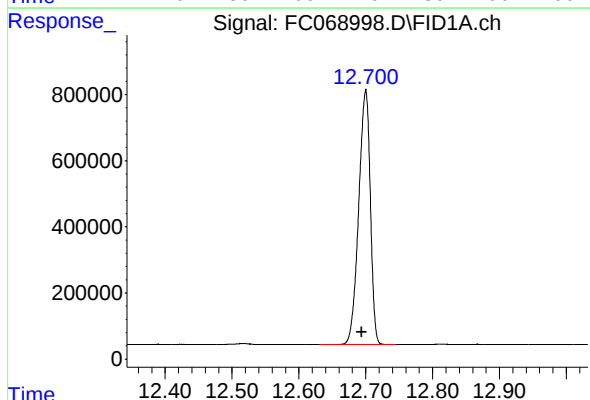
R.T.: 11.391 min
Delta R.T.: 0.008 min
Response: 9583167
Conc: 92.26 ug/ml



#9 ortho-Terphenyl (SURR)

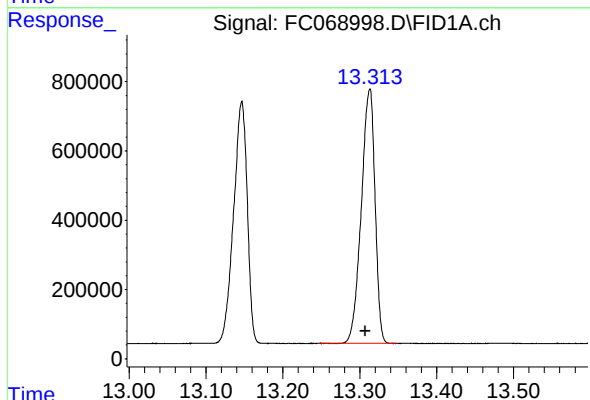
R.T.: 11.716 min
Delta R.T.: 0.009 min
Response: 11821192
Conc: 92.94 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



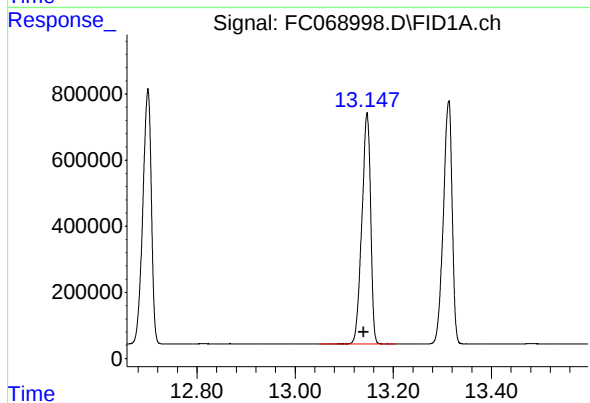
#10 n-Eicosane (C20)

R.T.: 12.700 min
Delta R.T.: 0.006 min
Response: 9270018
Conc: 91.77 ug/ml



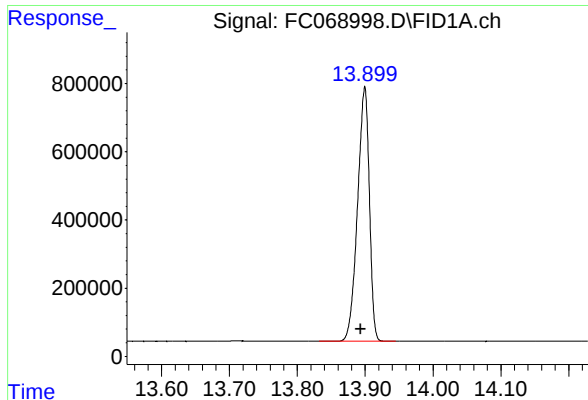
#11 n-Heneicosane (C21)

R.T.: 13.312 min
Delta R.T.: 0.005 min
Response: 9135859
Conc: 91.66 ug/ml



#12 1-chlorooctadecane (SURR)

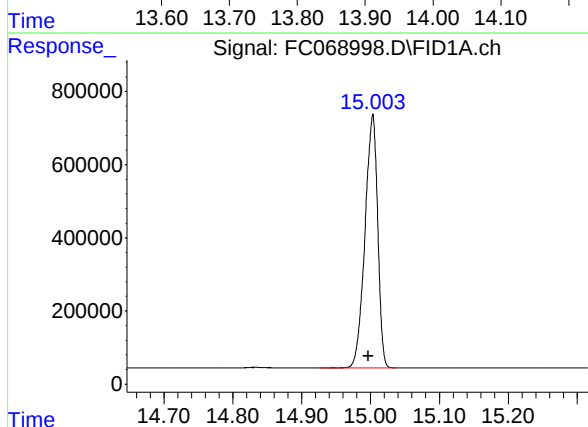
R.T.: 13.146 min
Delta R.T.: 0.007 min
Response: 8625984
Conc: 92.88 ug/ml



#13 n-Docosane (C22)

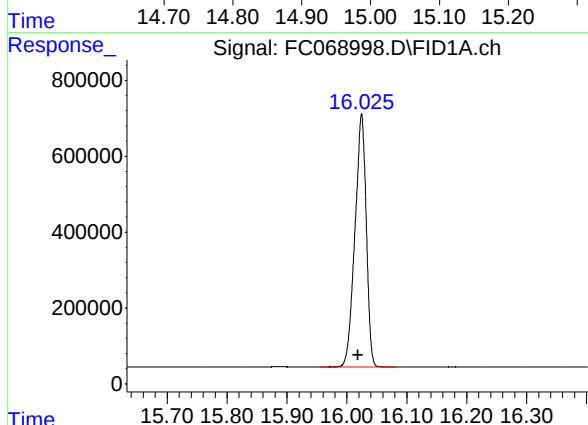
R.T.: 13.899 min
Delta R.T.: 0.006 min
Response: 9015652
Conc: 91.36 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



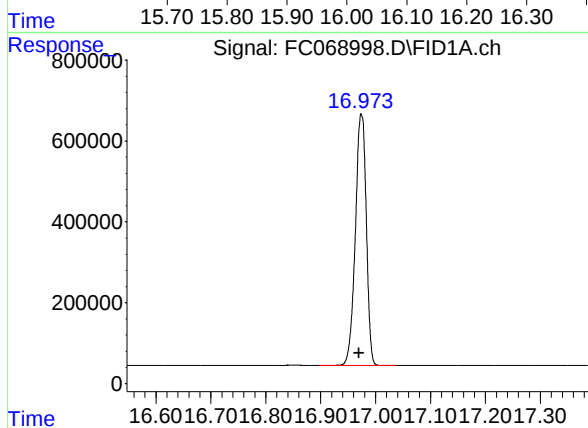
#14 n-Tetracosane (C24)

R.T.: 15.003 min
Delta R.T.: 0.006 min
Response: 8863510
Conc: 90.98 ug/ml



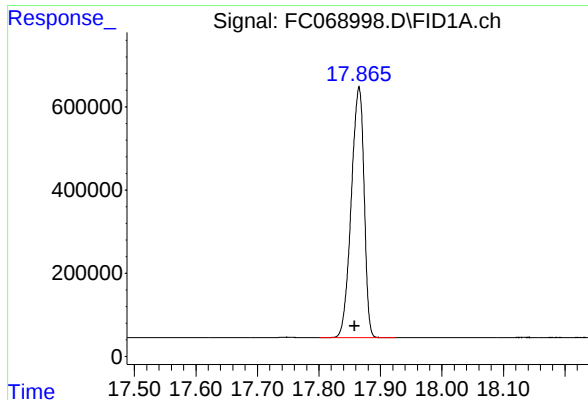
#15 n-Hexacosane (C26)

R.T.: 16.025 min
Delta R.T.: 0.006 min
Response: 8719578
Conc: 90.87 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.974 min
Delta R.T.: 0.004 min
Response: 8605084
Conc: 90.21 ug/ml



#17 n-Tricontane (C30)

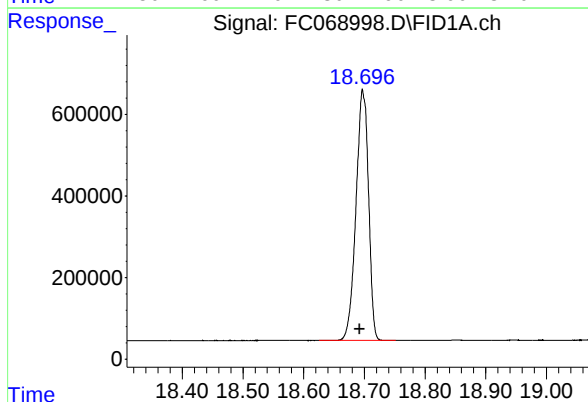
R.T.: 17.865 min
Delta R.T.: 0.007 min
Response: 8737224
Conc: 88.80 ug/ml

Instrument :

FID_C

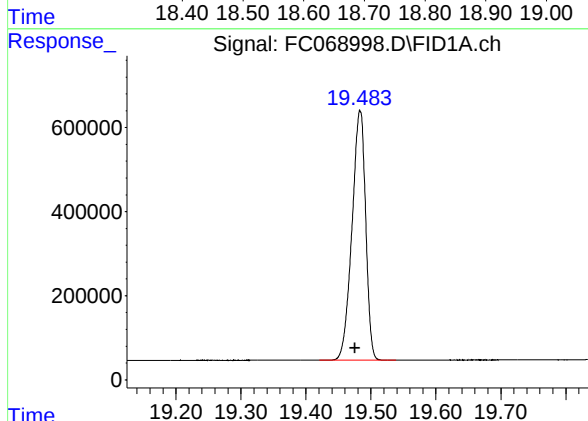
ClientSampleId :

100 PPM ALIPHATIC HC STD1



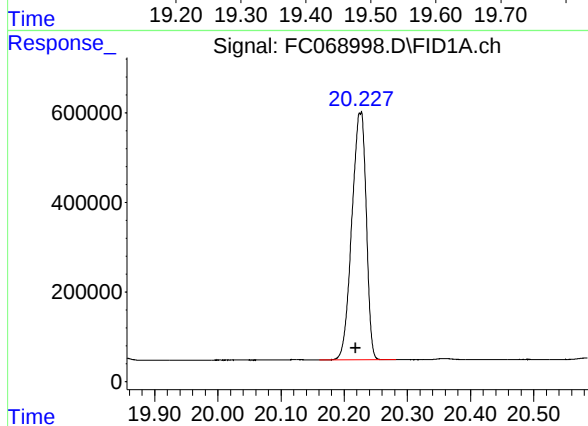
#18 n-Dotriacontane (C32)

R.T.: 18.698 min
Delta R.T.: 0.006 min
Response: 8810424
Conc: 88.03 ug/ml



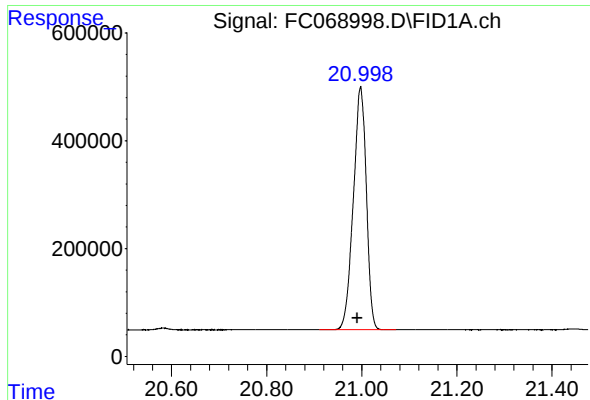
#19 n-Tetatriacontane (C34)

R.T.: 19.483 min
Delta R.T.: 0.007 min
Response: 8674302
Conc: 88.84 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.225 min
Delta R.T.: 0.008 min
Response: 8737632
Conc: 90.19 ug/ml



#21 n-Octatriacontane (C38)

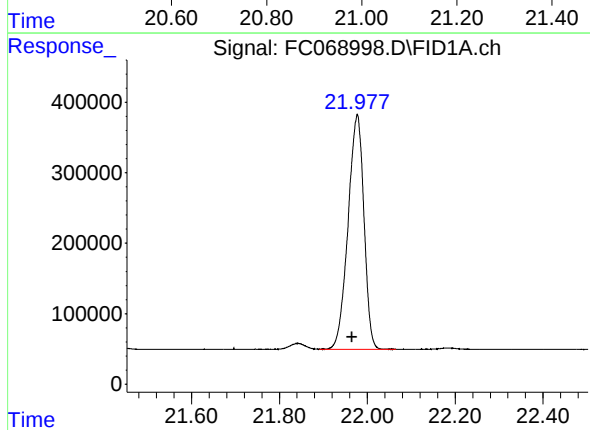
R.T.: 20.997 min
Delta R.T.: 0.006 min
Response: 8533328
Conc: 91.11 ug/ml

Instrument :

FID_C

ClientSampleId :

100 PPM ALIPHATIC HC STD1



#22 n-Tetracontane (C40)

R.T.: 21.977 min
Delta R.T.: 0.012 min
Response: 8355790
Conc: 91.84 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC052425AL\
Data File : FC068998.D
Signal(s) : FID1A.ch
Acq On : 23 May 2025 14:12
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 052425.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	3.445	3.377	3.485	BV	1245857	10375761	87.77%	4.978%
2	4.520	4.459	4.569	BB	1139741	10344503	87.51%	4.963%
3	6.117	6.060	6.149	BV	1182887	11247275	95.15%	5.396%
4	6.544	6.477	6.590	BB	1024554	10252722	86.73%	4.919%
5	7.176	7.124	7.203	BV	1106875	11013065	93.16%	5.283%
6	8.342	8.274	8.385	BB	937711	9945148	84.13%	4.771%
7	9.945	9.872	9.995	BB	870333	9784947	82.77%	4.694%
8	11.391	11.330	11.444	BB	803266	9583167	81.07%	4.597%
9	11.716	11.645	11.764	BB	1052756	11821192	100.00%	5.671%
10	12.700	12.630	12.745	BB	774229	9270018	78.42%	4.447%
11	13.146	13.049	13.205	BB	701129	8625984	72.97%	4.138%
12	13.312	13.247	13.347	BB	731109	9135859	77.28%	4.383%
13	13.899	13.832	13.945	BB	740734	9015652	76.27%	4.325%
14	15.003	14.925	15.037	BB	698012	8863510	74.98%	4.252%
15	16.025	15.954	16.082	BB	669933	8719578	73.76%	4.183%
16	16.974	16.897	17.037	BB	622882	8605084	72.79%	4.128%
17	17.865	17.800	17.925	BB	604094	8737224	73.91%	4.191%
18	18.698	18.625	18.752	BB	612062	8810424	74.53%	4.227%
19	19.483	19.420	19.539	BB	593618	8674302	73.38%	4.161%
20	20.225	20.160	20.282	BB	549814	8737632	73.91%	4.192%
21	20.997	20.910	21.072	BB	449374	8533328	72.19%	4.094%
22	21.977	21.890	22.065	BB	334060	8355790	70.68%	4.008%
Sum of corrected areas:						208452166		

Aliphatic EPH 052425.M Tue May 27 01:59:43 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC052425AL\
 Data File : FC068999.D
 Signal(s) : FID1A.ch
 Acq On : 23 May 2025 14:50
 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: May 27 01:39:38 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 052425.M
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Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
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Spiked Amount 50.000		Recovery =	90.19%
12) S 1-chlorooctadecane (S...	13.142	4189240	45.105 ug/ml
Spiked Amount 50.000		Recovery =	90.21%
Target Compounds			
1) T n-Nonane (C9)	3.442	4910353	44.811 ug/ml
2) T n-Decane (C10)	4.517	4908051	44.909 ug/ml
3) T A~Naphthalene (C11.7)	6.114	5384589	45.012 ug/ml
4) T n-Dodecane (C12)	6.542	4879416	44.864 ug/ml
5) T A~2-methylnaphthalene...	7.172	5298561	45.049 ug/ml
6) T n-Tetradecane (C14)	8.339	4738420	44.571 ug/ml
7) T n-Hexadecane (C16)	9.942	4671350	44.340 ug/ml
8) T n-Octadecane (C18)	11.386	4610111	44.383 ug/ml
10) T n-Eicosane (C20)	12.696	4512214	44.670 ug/ml
11) T n-Heneicosane (C21)	13.309	4469946	44.846 ug/ml
13) T n-Docosane (C22)	13.895	4429124	44.881 ug/ml
14) T n-Tetracosane (C24)	14.998	4378633	44.947 ug/ml
15) T n-Hexacosane (C26)	16.020	4321328	45.033 ug/ml
16) T n-Octacosane (C28)	16.971	4285093	44.921 ug/ml
17) T n-Tricontane (C30)	17.860	4377001	44.485 ug/ml
18) T n-Dotriacontane (C32)	18.694	4437356	44.334 ug/ml
19) T n-Tetratriacontane (C34)	19.479	4364158	44.697 ug/ml
20) T n-Hexatriacontane (C36)	20.220	4379219	45.203 ug/ml
21) T n-Octatriacontane (C38)	20.994	4251275	45.389 ug/ml
22) T n-Tetracontane (C40)	21.970	4118278	45.267 ug/ml

(f)=RT Delta > 1/2 Window

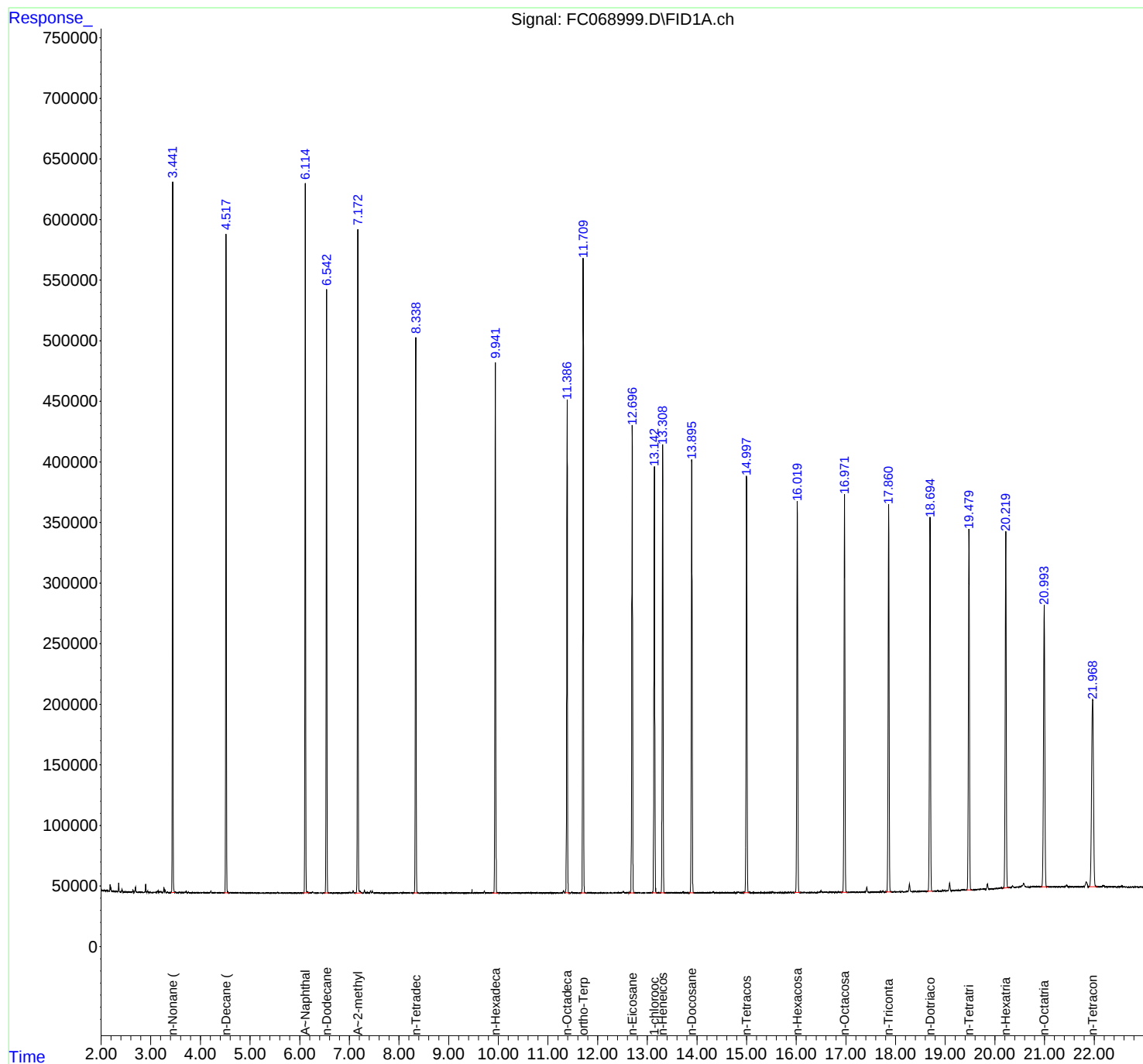
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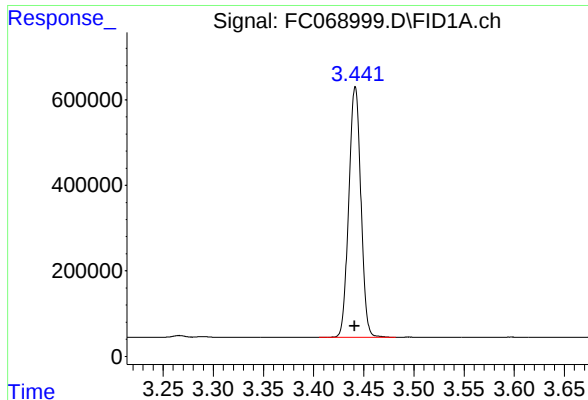
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC052425AL\
Data File : FC068999.D
Signal(s) : FID1A.ch
Acq On : 23 May 2025 14:50
Operator : YP/AJ
Sample : 50 PPM ALIPHATIC HC STD2
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2

Integration File: autoint1.e
Quant Time: May 27 01:39:38 2025
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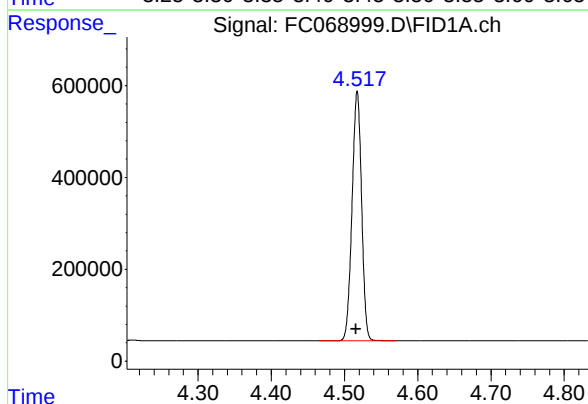




#1 n-Nonane (C9)

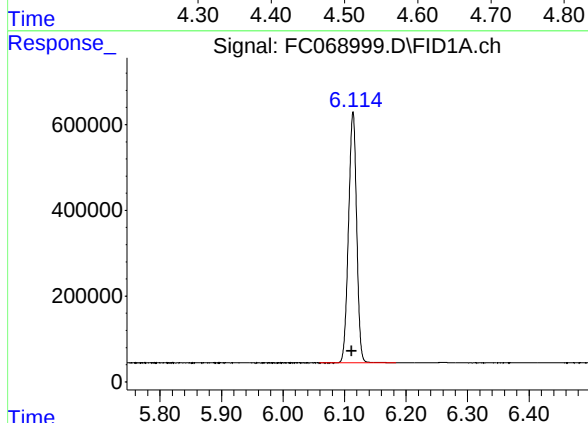
R.T.: 3.442 min
Delta R.T.: 0.000 min
Response: 4910353
Conc: 44.81 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



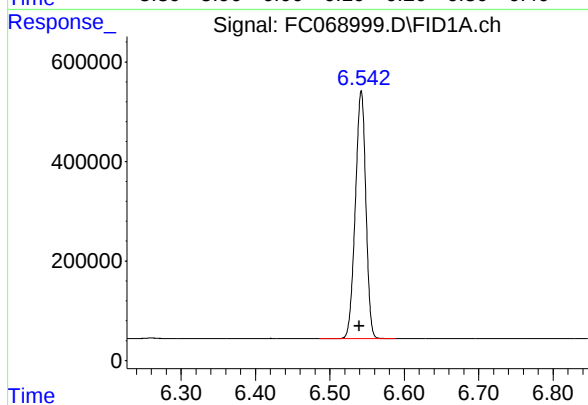
#2 n-Decane (C10)

R.T.: 4.517 min
Delta R.T.: 0.002 min
Response: 4908051
Conc: 44.91 ug/ml



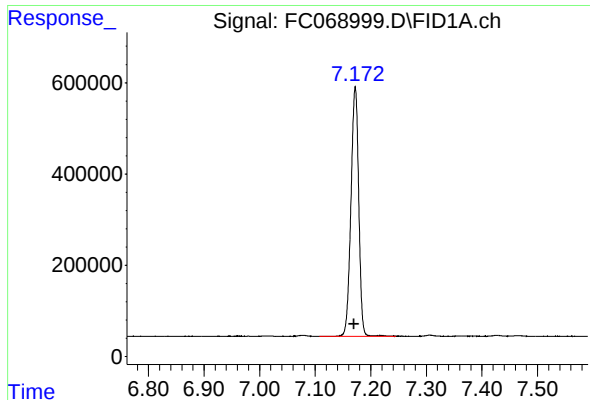
#3 A~Naphthalene (C11.7)

R.T.: 6.114 min
Delta R.T.: 0.002 min
Response: 5384589
Conc: 45.01 ug/ml



#4 n-Dodecane (C12)

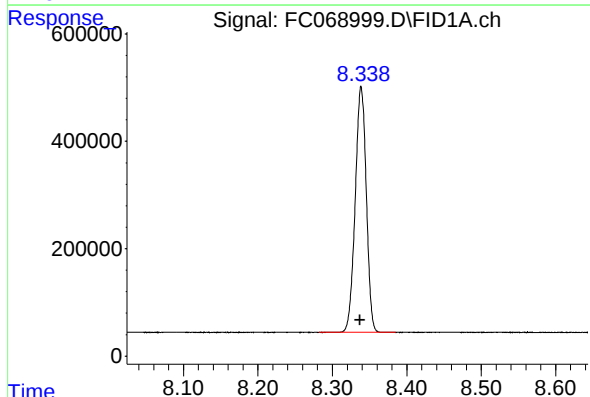
R.T.: 6.542 min
Delta R.T.: 0.002 min
Response: 4879416
Conc: 44.86 ug/ml



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

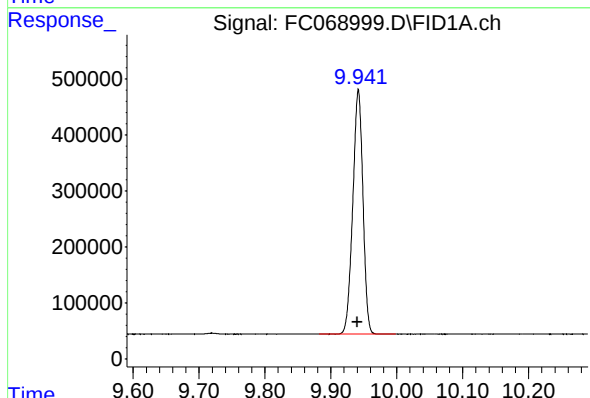
R.T.: 7.172 min
Delta R.T.: 0.002 min
Response: 5298561
Conc: 45.05 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



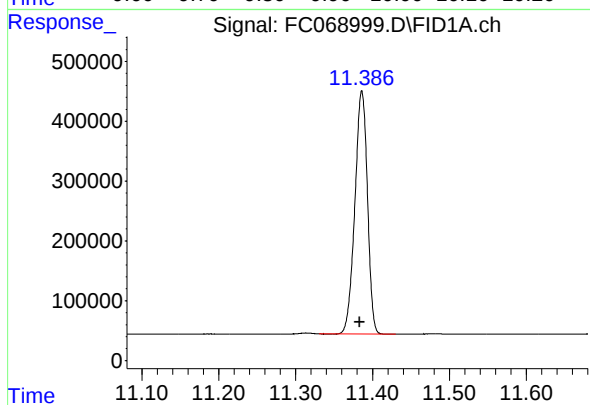
#6 n-Tetradecane (C14)

R.T.: 8.339 min
Delta R.T.: 0.002 min
Response: 4738420
Conc: 44.57 ug/ml



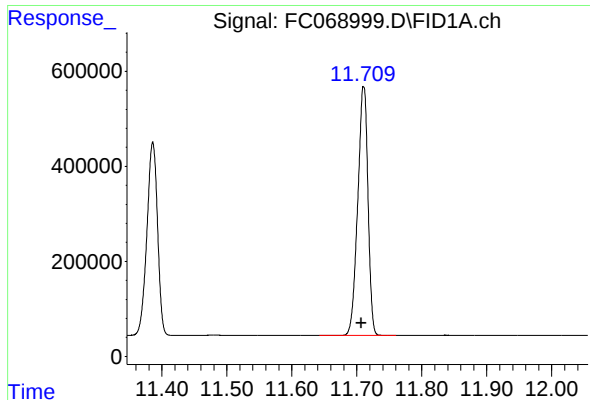
#7 n-Hexadecane (C16)

R.T.: 9.942 min
Delta R.T.: 0.002 min
Response: 4671350
Conc: 44.34 ug/ml



#8 n-Octadecane (C18)

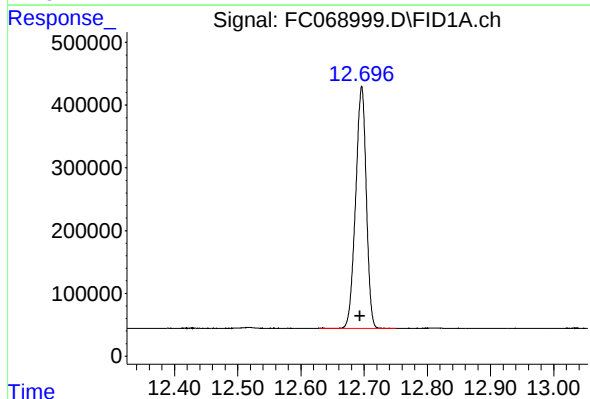
R.T.: 11.386 min
Delta R.T.: 0.003 min
Response: 4610111
Conc: 44.38 ug/ml



#9 ortho-Terphenyl (SURR)

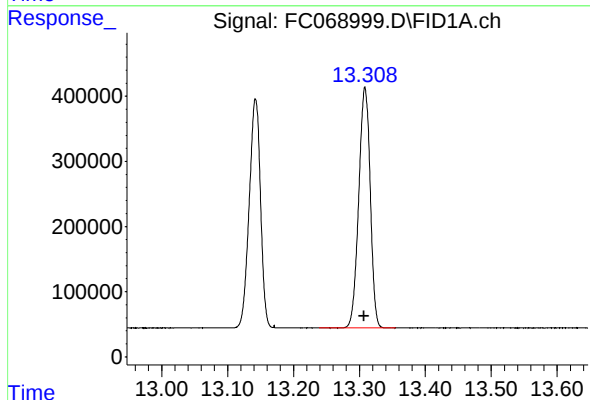
R.T.: 11.710 min
Delta R.T.: 0.004 min
Response: 5735770
Conc: 45.10 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



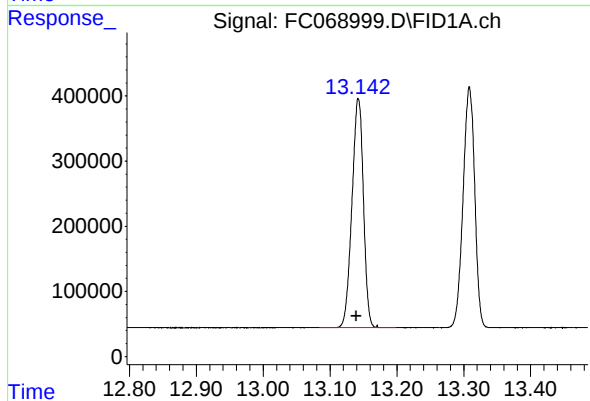
#10 n-Eicosane (C20)

R.T.: 12.696 min
Delta R.T.: 0.002 min
Response: 4512214
Conc: 44.67 ug/ml



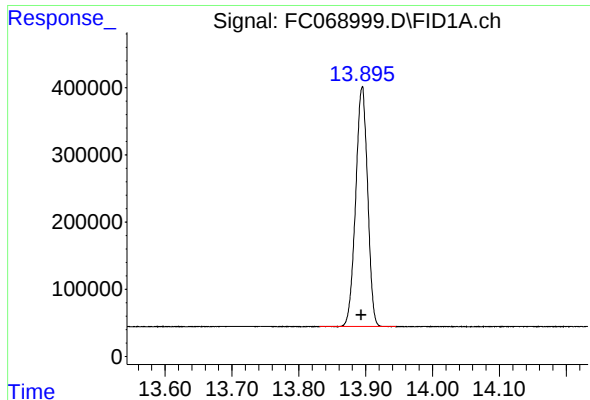
#11 n-Heneicosane (C21)

R.T.: 13.309 min
Delta R.T.: 0.002 min
Response: 4469946
Conc: 44.85 ug/ml



#12 1-chlorooctadecane (SURR)

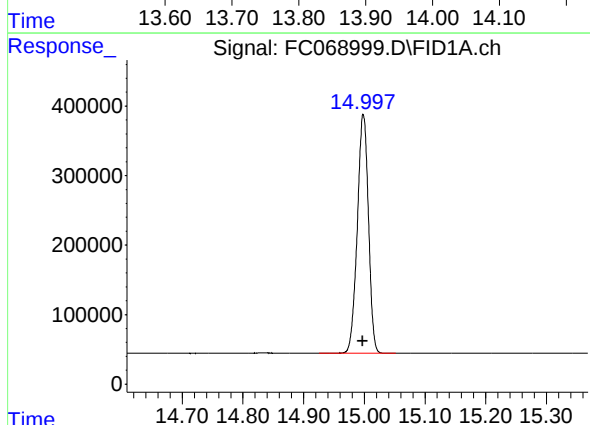
R.T.: 13.142 min
Delta R.T.: 0.003 min
Response: 4189240
Conc: 45.11 ug/ml



#13 n-Docosane (C22)

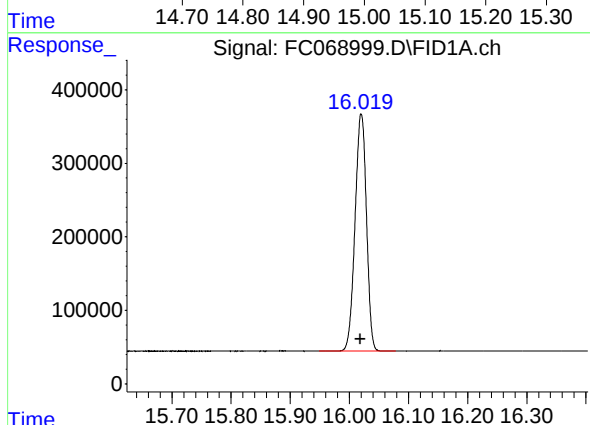
R.T.: 13.895 min
Delta R.T.: 0.001 min
Response: 4429124
Conc: 44.88 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



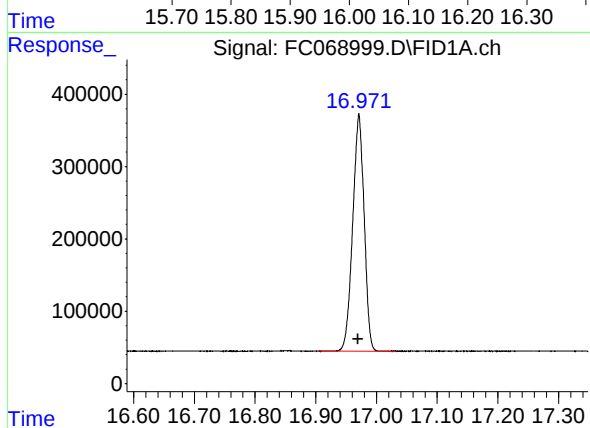
#14 n-Tetracosane (C24)

R.T.: 14.998 min
Delta R.T.: 0.001 min
Response: 4378633
Conc: 44.95 ug/ml



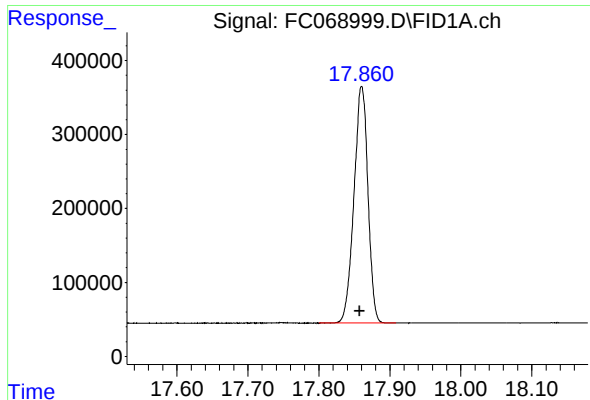
#15 n-Hexacosane (C26)

R.T.: 16.020 min
Delta R.T.: 0.002 min
Response: 4321328
Conc: 45.03 ug/ml



#16 n-Octacosane (C28)

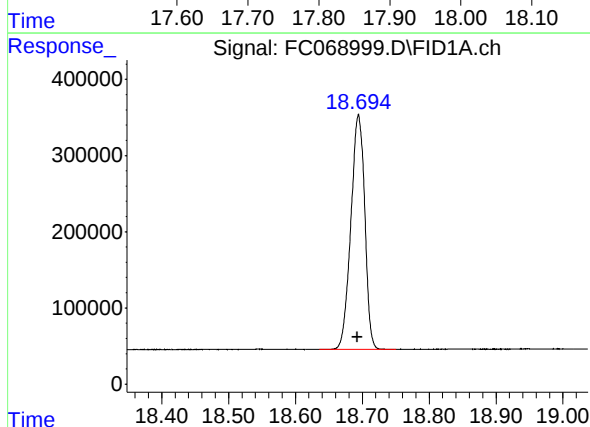
R.T.: 16.971 min
Delta R.T.: 0.001 min
Response: 4285093
Conc: 44.92 ug/ml



#17 n-Tricontane (C30)

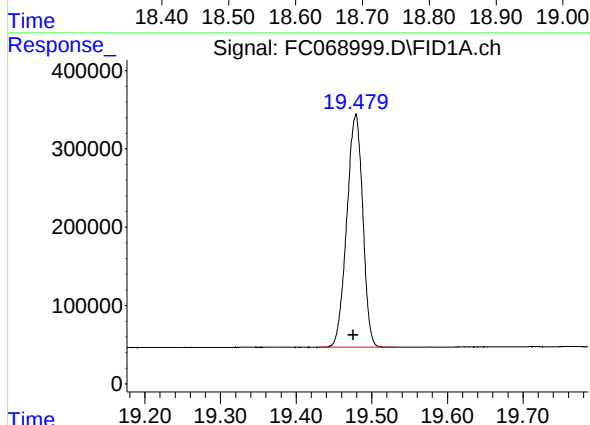
R.T.: 17.860 min
Delta R.T.: 0.003 min
Response: 4377001
Conc: 44.49 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



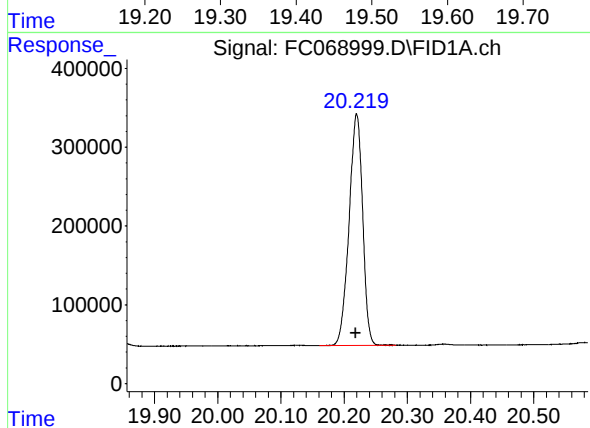
#18 n-Dotriacontane (C32)

R.T.: 18.694 min
Delta R.T.: 0.002 min
Response: 4437356
Conc: 44.33 ug/ml



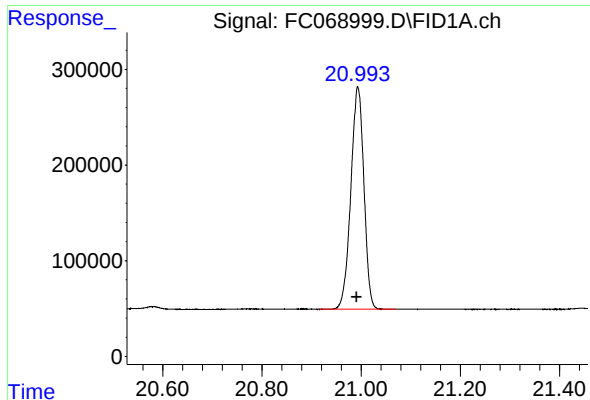
#19 n-Tetratriacontane (C34)

R.T.: 19.479 min
Delta R.T.: 0.003 min
Response: 4364158
Conc: 44.70 ug/ml



#20 n-Hexatriacontane (C36)

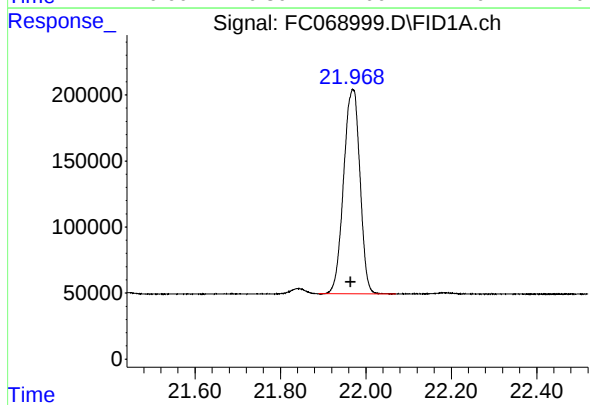
R.T.: 20.220 min
Delta R.T.: 0.002 min
Response: 4379219
Conc: 45.20 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.994 min
Delta R.T.: 0.003 min
Response: 4251275
Conc: 45.39 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



#22 n-Tetracontane (C40)

R.T.: 21.970 min
Delta R.T.: 0.005 min
Response: 4118278
Conc: 45.27 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC052425AL\
 Data File : FC068999.D
 Signal(s) : FID1A.ch
 Acq On : 23 May 2025 14:50
 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 052425.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	3.442	3.405	3.482	BV	586986	4910353	85.61%	4.831%
2	4.517	4.465	4.570	BB	543797	4908051	85.57%	4.828%
3	6.114	6.059	6.184	BB	586073	5384589	93.88%	5.297%
4	6.542	6.485	6.589	BB	498137	4879416	85.07%	4.800%
5	7.172	7.107	7.245	BB	548163	5298561	92.38%	5.213%
6	8.339	8.282	8.385	BB	457482	4738420	82.61%	4.662%
7	9.942	9.882	9.999	BB	437442	4671350	81.44%	4.596%
8	11.386	11.330	11.430	BB	406448	4610111	80.37%	4.535%
9	11.710	11.642	11.760	BB	524442	5735770	100.00%	5.643%
10	12.696	12.629	12.750	BB	385182	4512214	78.67%	4.439%
11	13.142	13.084	13.199	BB	352179	4189240	73.04%	4.121%
12	13.309	13.239	13.355	BB	369368	4469946	77.93%	4.397%
13	13.895	13.830	13.945	BB	359429	4429124	77.22%	4.357%
14	14.998	14.925	15.052	BB	342822	4378633	76.34%	4.308%
15	16.020	15.949	16.079	BB	322219	4321328	75.34%	4.251%
16	16.971	16.905	17.032	BB	326091	4285093	74.71%	4.216%
17	17.860	17.800	17.909	BB	319760	4377001	76.31%	4.306%
18	18.694	18.635	18.750	BB	307502	4437356	77.36%	4.365%
19	19.479	19.430	19.532	BB	296208	4364158	76.09%	4.293%
20	20.220	20.160	20.282	BB	293008	4379219	76.35%	4.308%
21	20.994	20.915	21.070	BB	232247	4251275	74.12%	4.182%
22	21.970	21.890	22.070	BB	154724	4118278	71.80%	4.051%
Sum of corrected areas:						101649484		

Aliphatic EPH 052425.M Tue May 27 02:01:58 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC052425AL\
 Data File : FC069000.D
 Signal(s) : FID1A.ch
 Acq On : 23 May 2025 15:28
 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: May 27 01:40:01 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 052425.M
 Quant Title : GC Extractables
 QLast Update : Tue May 27 01:38:24 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)	11.707	2543845	20.000 ug/ml
Spiked Amount	50.000	Recovery	= 40.00%
12) S 1-chlorooctadecane (S...	13.139	1857531	20.000 ug/ml
Spiked Amount	50.000	Recovery	= 40.00%
Target Compounds			
1) T n-Nonane (C9)	3.441	2191591	20.000 ug/ml
2) T n-Decane (C10)	4.516	2185781	20.000 ug/ml
3) T A~Naphthalene (C11.7)	6.112	2392521	20.000 ug/ml
4) T n-Dodecane (C12)	6.540	2175208	20.000 ug/ml
5) T A~2-methylnaphthalene...	7.170	2352374	20.000 ug/ml
6) T n-Tetradecane (C14)	8.337	2126214	20.000 ug/ml
7) T n-Hexadecane (C16)	9.940	2107082	20.000 ug/ml
8) T n-Octadecane (C18)	11.383	2077430	20.000 ug/ml
10) T n-Eicosane (C20)	12.694	2020235	20.000 ug/ml
11) T n-Heneicosane (C21)	13.307	1993478	20.000 ug/ml
13) T n-Docosane (C22)	13.893	1973697	20.000 ug/ml
14) T n-Tetracosane (C24)	14.997	1948364	20.000 ug/ml
15) T n-Hexacosane (C26)	16.019	1919191	20.000 ug/ml
16) T n-Octacosane (C28)	16.970	1907840	20.000 ug/ml
17) T n-Tricontane (C30)	17.858	1967833	20.000 ug/ml
18) T n-Dotriacontane (C32)	18.692	2001797	20.000 ug/ml
19) T n-Tetratriacontane (C34)	19.476	1952775	20.000 ug/ml
20) T n-Hexatriacontane (C36)	20.218	1937578	20.000 ug/ml
21) T n-Octatriacontane (C38)	20.991	1873251	20.000 ug/ml
22) T n-Tetracontane (C40)	21.965	1819548	20.000 ug/ml

(f)=RT Delta > 1/2 Window

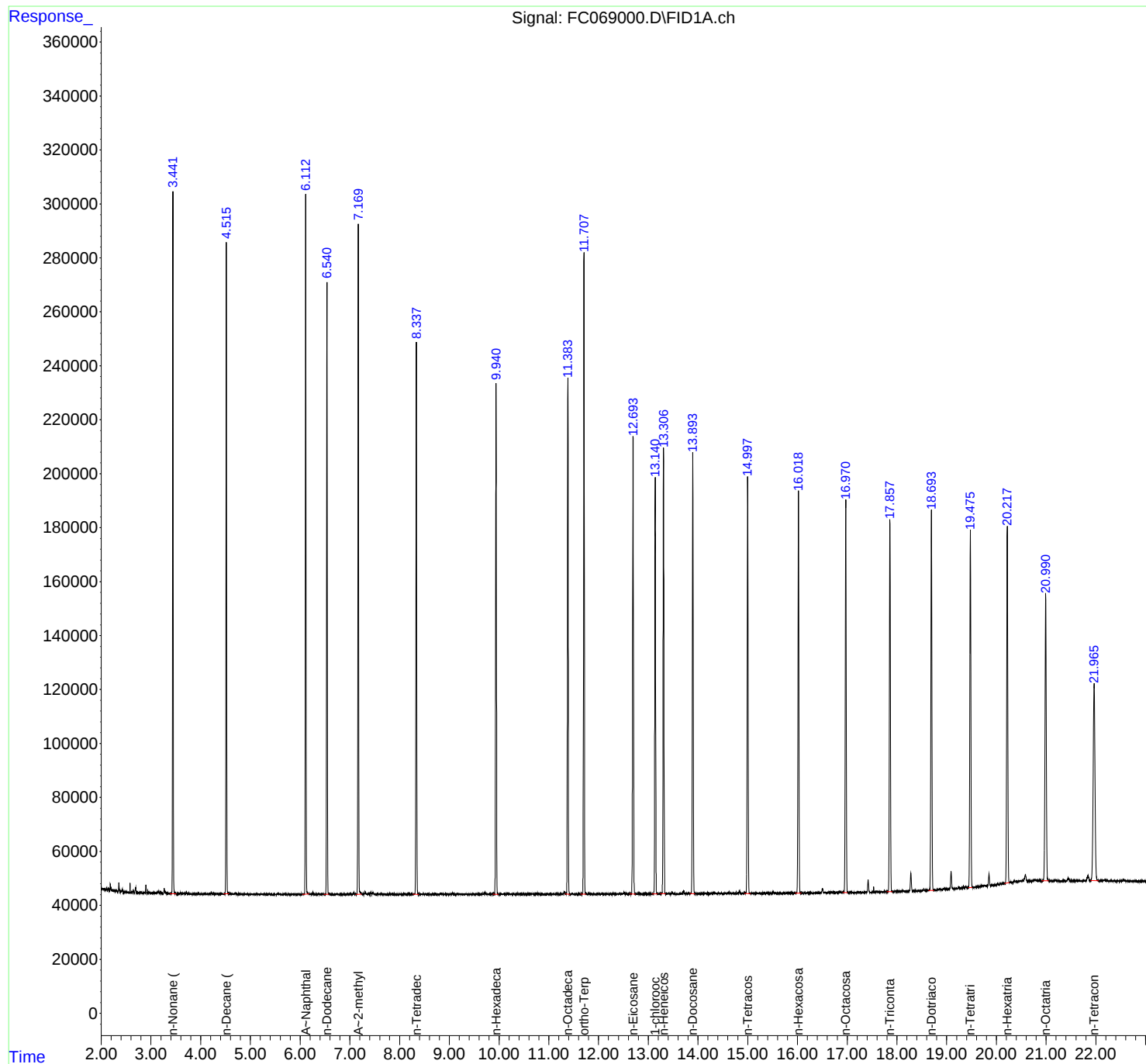
(m)=manual int.

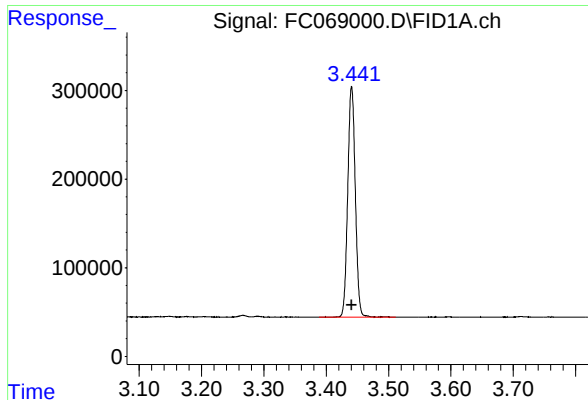
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC052425AL\
Data File : FC069000.D
Signal(s) : FID1A.ch
Acq On : 23 May 2025 15:28
Operator : YP/AJ
Sample : 20 PPM ALIPHATIC HC STD3
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3

Integration File: autoint1.e
Quant Time: May 27 01:40:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 052425.M
Quant Title : GC Extractables
QLast Update : Tue May 27 01:38:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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

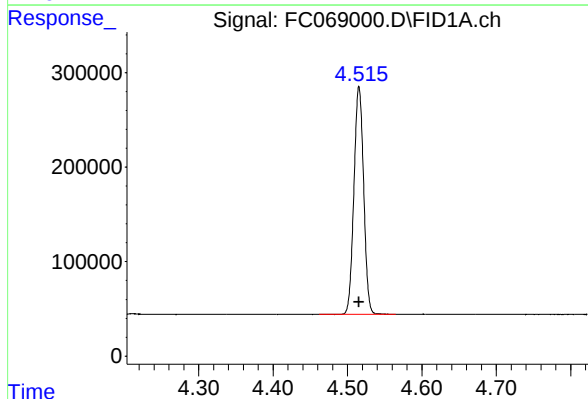




#1 n-Nonane (C9)

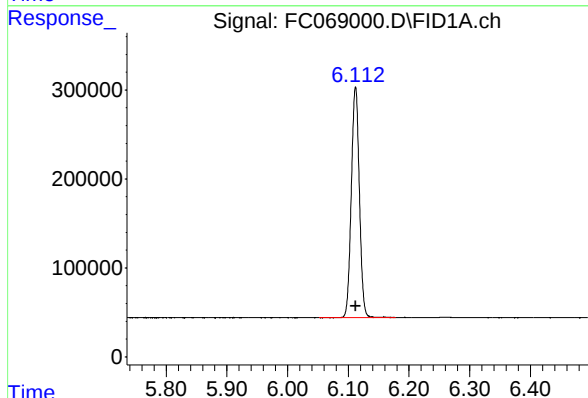
R.T.: 3.441 min
Delta R.T.: 0.000 min
Response: 2191591
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



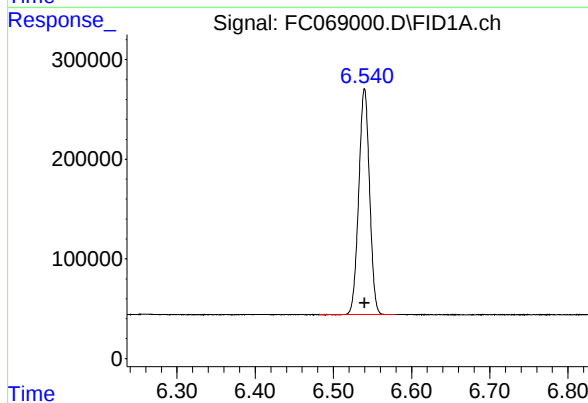
#2 n-Decane (C10)

R.T.: 4.516 min
Delta R.T.: 0.000 min
Response: 2185781
Conc: 20.00 ug/ml



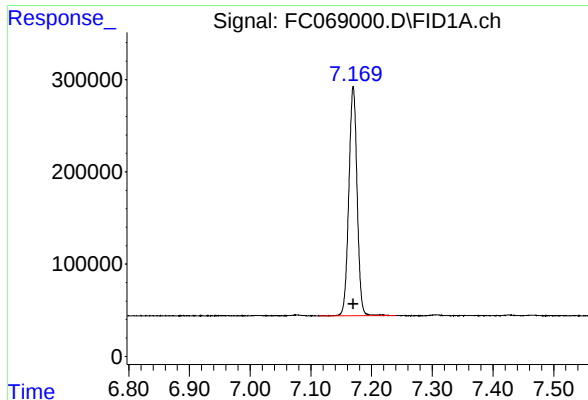
#3 A~Naphthalene (C11.7)

R.T.: 6.112 min
Delta R.T.: 0.000 min
Response: 2392521
Conc: 20.00 ug/ml



#4 n-Dodecane (C12)

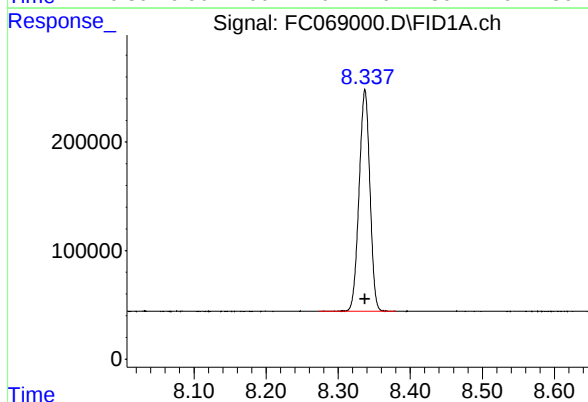
R.T.: 6.540 min
Delta R.T.: 0.000 min
Response: 2175208
Conc: 20.00 ug/ml



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

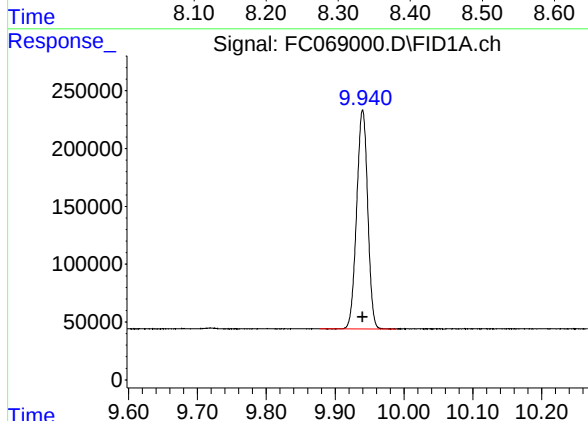
R.T.: 7.170 min
Delta R.T.: 0.000 min
Response: 2352374
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



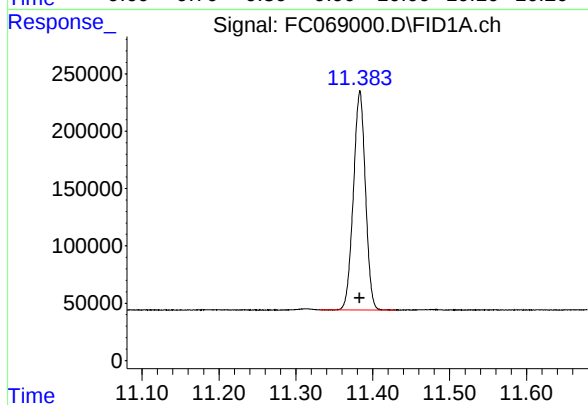
#6 n-Tetradecane (C14)

R.T.: 8.337 min
Delta R.T.: 0.000 min
Response: 2126214
Conc: 20.00 ug/ml



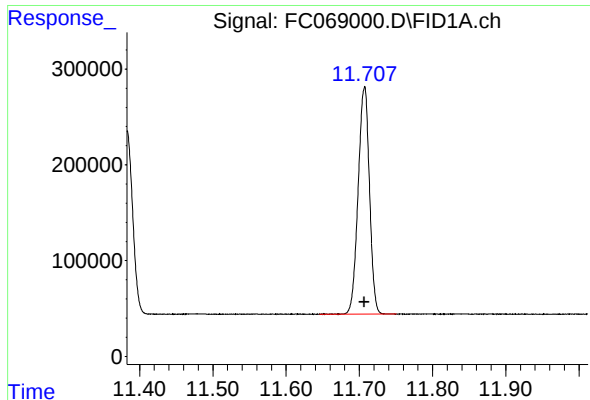
#7 n-Hexadecane (C16)

R.T.: 9.940 min
Delta R.T.: 0.000 min
Response: 2107082
Conc: 20.00 ug/ml



#8 n-Octadecane (C18)

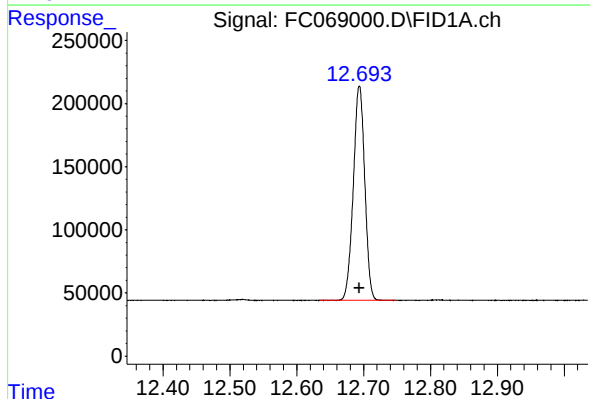
R.T.: 11.383 min
Delta R.T.: 0.000 min
Response: 2077430
Conc: 20.00 ug/ml



#9 ortho-Terphenyl (SURR)

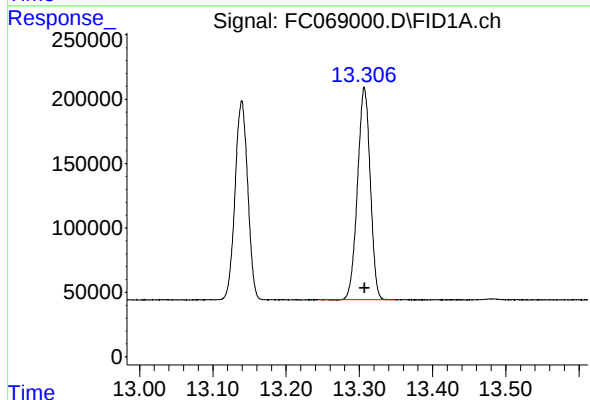
R.T.: 11.707 min
Delta R.T.: 0.000 min
Response: 2543845
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



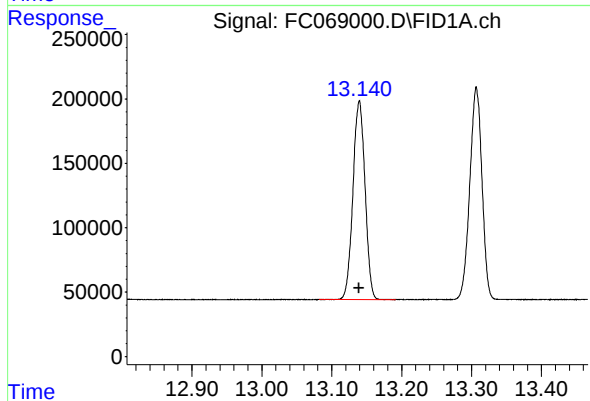
#10 n-Eicosane (C20)

R.T.: 12.694 min
Delta R.T.: 0.000 min
Response: 2020235
Conc: 20.00 ug/ml



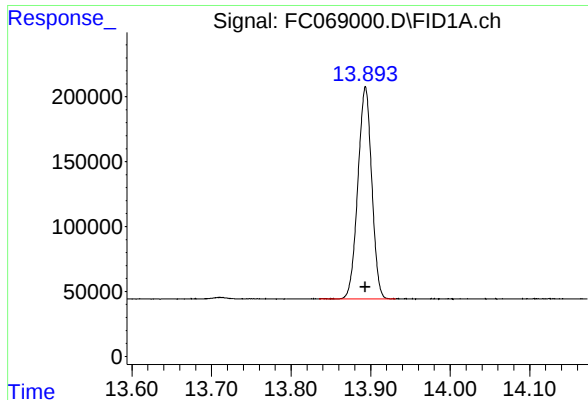
#11 n-Heneicosane (C21)

R.T.: 13.307 min
Delta R.T.: 0.000 min
Response: 1993478
Conc: 20.00 ug/ml



#12 1-chlorooctadecane (SURR)

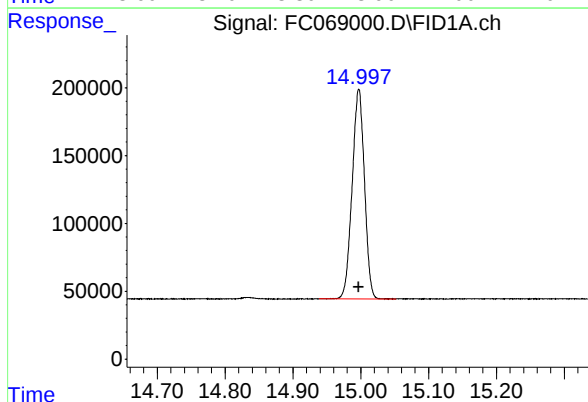
R.T.: 13.139 min
Delta R.T.: 0.000 min
Response: 1857531
Conc: 20.00 ug/ml



#13 n-Docosane (C22)

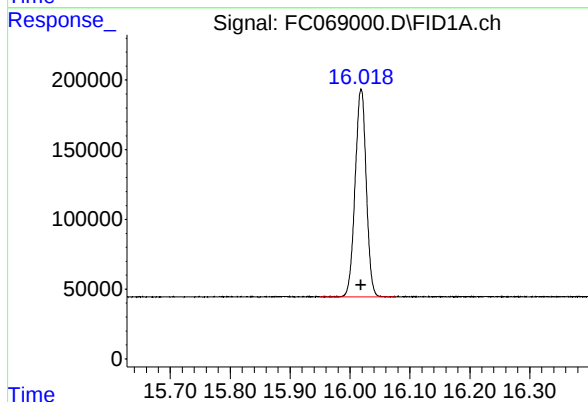
R.T.: 13.893 min
Delta R.T.: 0.000 min
Response: 1973697
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



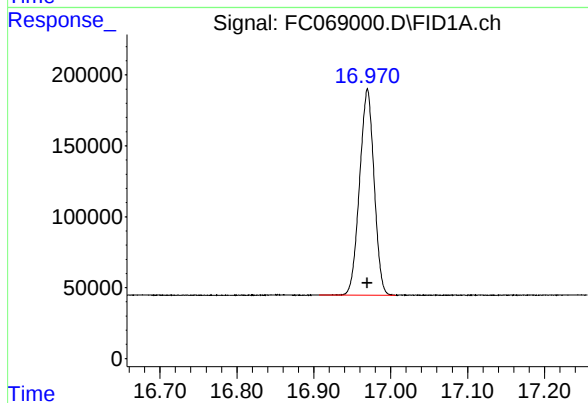
#14 n-Tetracosane (C24)

R.T.: 14.997 min
Delta R.T.: 0.000 min
Response: 1948364
Conc: 20.00 ug/ml



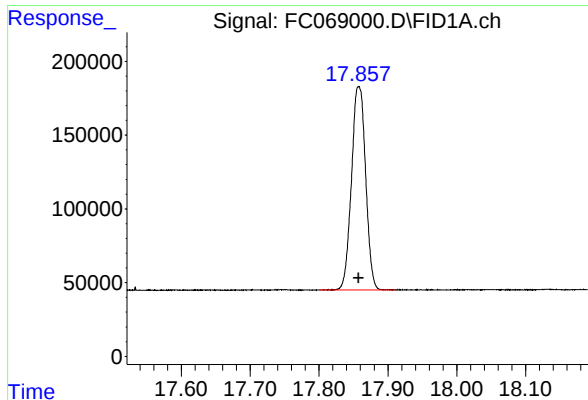
#15 n-Hexacosane (C26)

R.T.: 16.019 min
Delta R.T.: 0.000 min
Response: 1919191
Conc: 20.00 ug/ml



#16 n-Octacosane (C28)

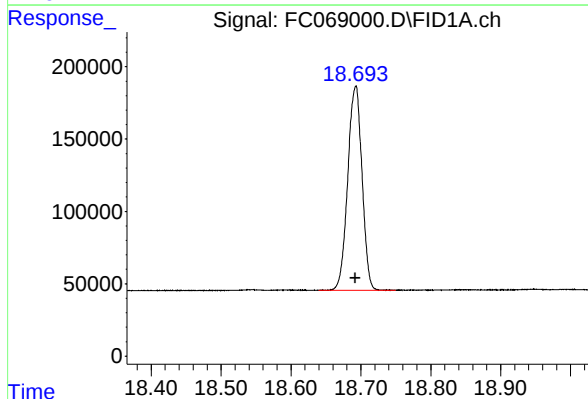
R.T.: 16.970 min
Delta R.T.: 0.000 min
Response: 1907840
Conc: 20.00 ug/ml



#17 n-Tricontane (C30)

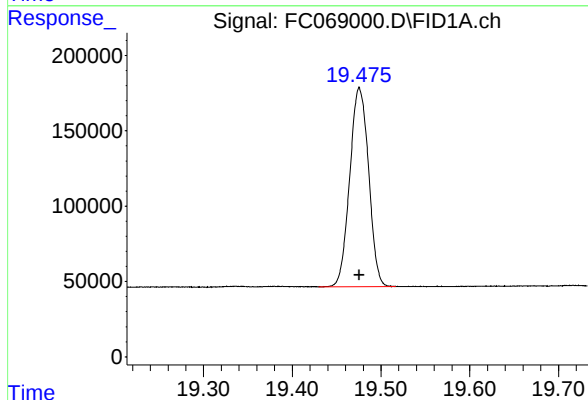
R.T.: 17.858 min
Delta R.T.: 0.000 min
Response: 1967833
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



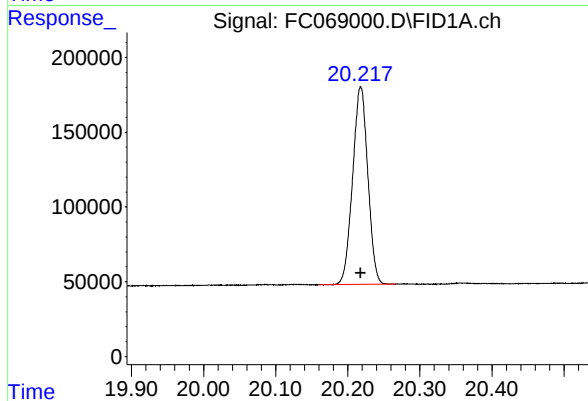
#18 n-Dotriacontane (C32)

R.T.: 18.692 min
Delta R.T.: 0.000 min
Response: 2001797
Conc: 20.00 ug/ml



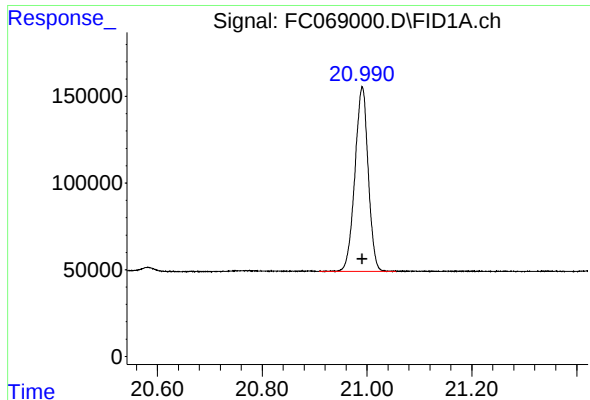
#19 n-Tetatriacontane (C34)

R.T.: 19.476 min
Delta R.T.: 0.000 min
Response: 1952775
Conc: 20.00 ug/ml



#20 n-Hexatriacontane (C36)

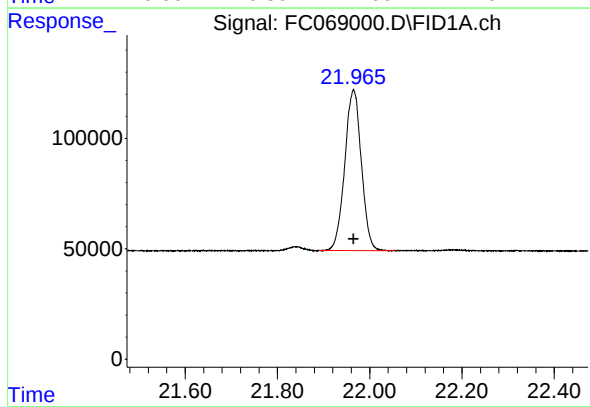
R.T.: 20.218 min
Delta R.T.: 0.000 min
Response: 1937578
Conc: 20.00 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.991 min
Delta R.T.: 0.000 min
Response: 1873251
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



#22 n-Tetracontane (C40)

R.T.: 21.965 min
Delta R.T.: 0.000 min
Response: 1819548
Conc: 20.00 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC052425AL\
Data File : FC069000.D
Signal(s) : FID1A.ch
Acq On : 23 May 2025 15:28
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 052425.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	3.441	3.388	3.512	BB	259994	2191591	86.15%	4.835%
2	4.516	4.462	4.565	BB	241145	2185781	85.92%	4.822%
3	6.112	6.052	6.178	BB	259823	2392521	94.05%	5.279%
4	6.540	6.482	6.580	BB	227144	2175208	85.51%	4.799%
5	7.170	7.113	7.240	BB	248543	2352374	92.47%	5.190%
6	8.337	8.273	8.380	BB	204200	2126214	83.58%	4.691%
7	9.940	9.877	9.988	BB	189414	2107082	82.83%	4.649%
8	11.383	11.330	11.430	BB	191285	2077430	81.66%	4.583%
9	11.707	11.645	11.750	BB	236625	2543845	100.00%	5.612%
10	12.694	12.633	12.748	BB	169758	2020235	79.42%	4.457%
11	13.139	13.082	13.192	BB	155216	1857531	73.02%	4.098%
12	13.307	13.245	13.350	BB	164974	1993478	78.36%	4.398%
13	13.893	13.835	13.932	BB	163565	1973697	77.59%	4.355%
14	14.997	14.938	15.052	BB	154851	1948364	76.59%	4.299%
15	16.019	15.948	16.077	BB	148898	1919191	75.44%	4.234%
16	16.970	16.907	17.007	BB	145720	1907840	75.00%	4.209%
17	17.858	17.800	17.912	BB	137891	1967833	77.36%	4.342%
18	18.692	18.640	18.750	BB	140486	2001797	78.69%	4.417%
19	19.476	19.430	19.517	BB	132135	1952775	76.76%	4.308%
20	20.218	20.160	20.267	BB	131983	1937578	76.17%	4.275%
21	20.991	20.908	21.055	BB	106228	1873251	73.64%	4.133%
22	21.965	21.890	22.057	BB	73043	1819548	71.53%	4.014%
Sum of corrected areas:							45325167	

Aliphatic EPH 052425.M Tue May 27 02:02:28 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC052425AL\
 Data File : FC069001.D
 Signal(s) : FID1A.ch
 Acq On : 23 May 2025 16:05
 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: May 27 01:40:24 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 052425.M
 Quant Title : GC Extractables
 QLast Update : Tue May 27 01:38:24 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)	11.706	1315471	10.342 ug/ml
Spiked Amount 50.000		Recovery =	20.68%
12) S 1-chlorooctadecane (S...	13.139	952000	10.250 ug/ml
Spiked Amount 50.000		Recovery =	20.50%
Target Compounds			
1) T n-Nonane (C9)	3.441	1134499	10.353 ug/ml
2) T n-Decane (C10)	4.515	1131353	10.352 ug/ml
3) T A~Naphthalene (C11.7)	6.112	1236532	10.337 ug/ml
4) T n-Dodecane (C12)	6.540	1124129	10.336 ug/ml
5) T A~2-methylnaphthalene...	7.170	1212200	10.306 ug/ml
6) T n-Tetradecane (C14)	8.337	1092781	10.279 ug/ml
7) T n-Hexadecane (C16)	9.939	1082063	10.271 ug/ml
8) T n-Octadecane (C18)	11.382	1067301	10.275 ug/ml
10) T n-Eicosane (C20)	12.693	1038541	10.281 ug/ml
11) T n-Heneicosane (C21)	13.305	1028304	10.317 ug/ml
13) T n-Docosane (C22)	13.892	1015479	10.290 ug/ml
14) T n-Tetracosane (C24)	14.996	1005198	10.318 ug/ml
15) T n-Hexacosane (C26)	16.018	990705	10.324 ug/ml
16) T n-Octacosane (C28)	16.969	990627	10.385 ug/ml
17) T n-Tricontane (C30)	17.857	1031496	10.484 ug/ml
18) T n-Dotriacontane (C32)	18.691	1059358	10.584 ug/ml
19) T n-Tetratriacontane (C34)	19.475	1028905	10.538 ug/ml
20) T n-Hexatriacontane (C36)	20.216	1012538	10.452 ug/ml
21) T n-Octatriacontane (C38)	20.989	969977	10.356 ug/ml
22) T n-Tetracontane (C40)	21.962	936476	10.294 ug/ml

(f)=RT Delta > 1/2 Window

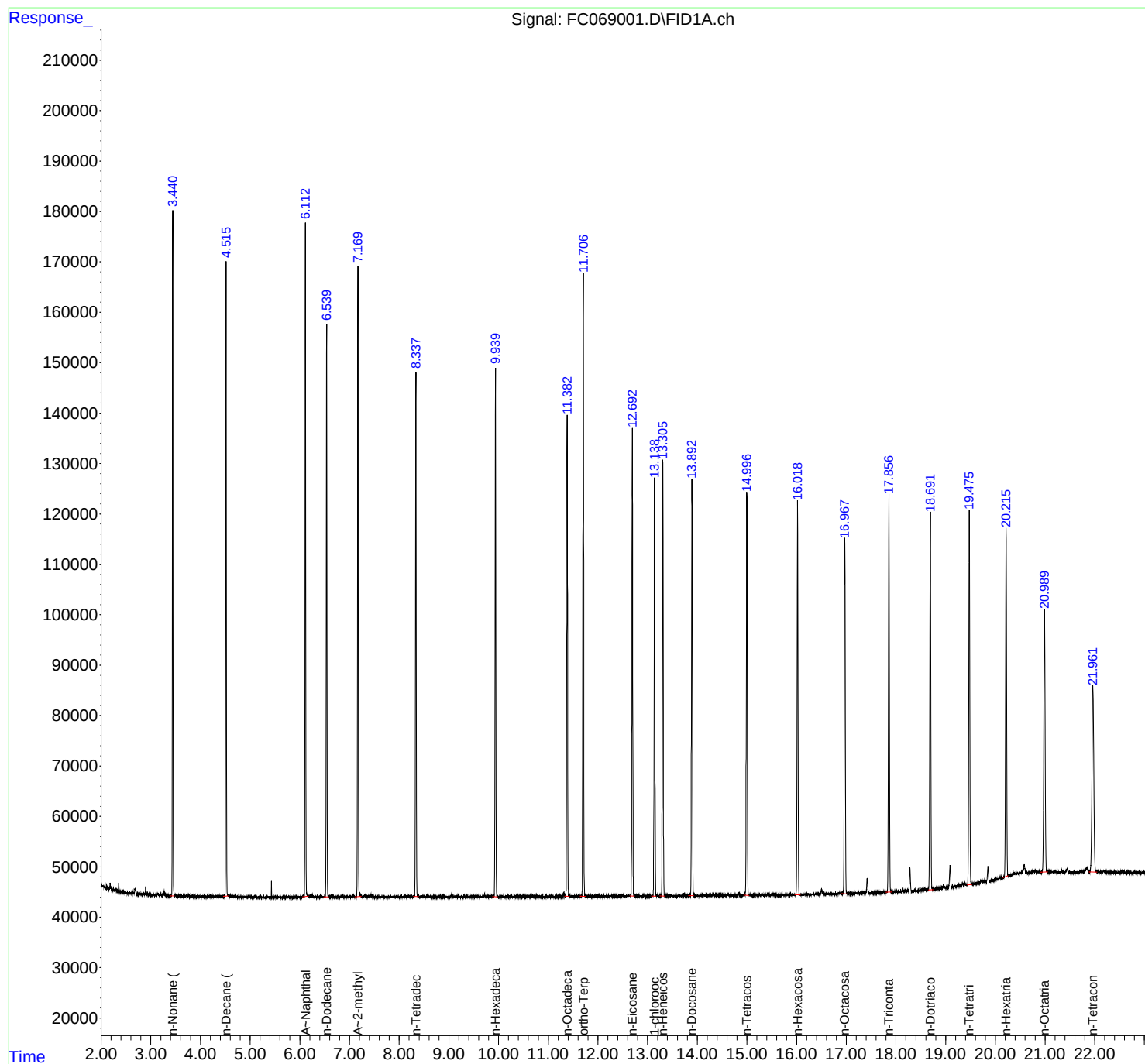
(m)=manual int.

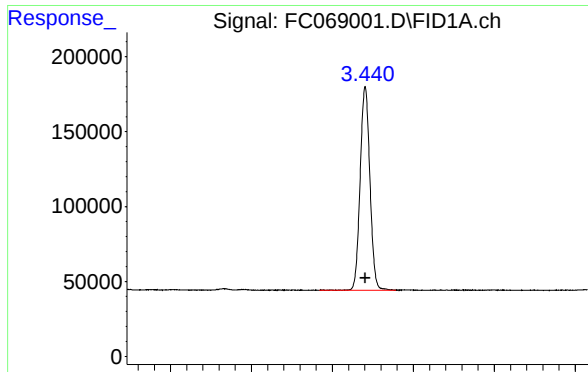
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC052425AL\
Data File : FC069001.D
Signal(s) : FID1A.ch
Acq On : 23 May 2025 16:05
Operator : YP/AJ
Sample : 10 PPM ALIPHATIC HC STD4
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4

Integration File: autoint1.e
Quant Time: May 27 01:40:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 052425.M
Quant Title : GC Extractables
QLast Update : Tue May 27 01:38:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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

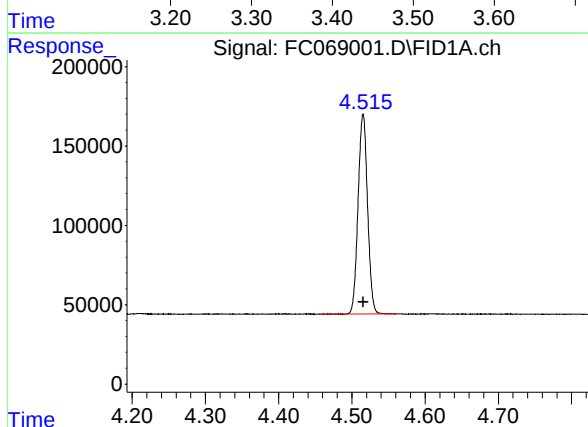




#1 n-Nonane (C9)

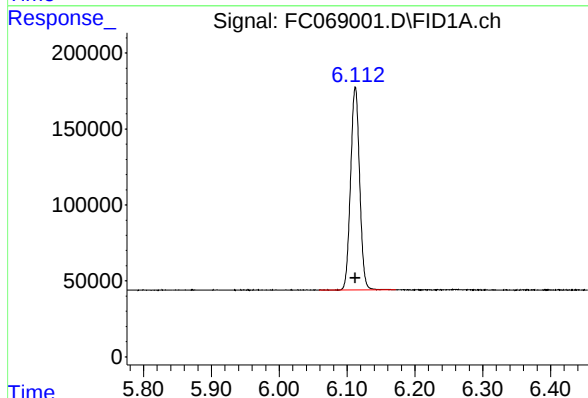
R.T.: 3.441 min
Delta R.T.: 0.000 min
Response: 1134499
Conc: 10.35 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



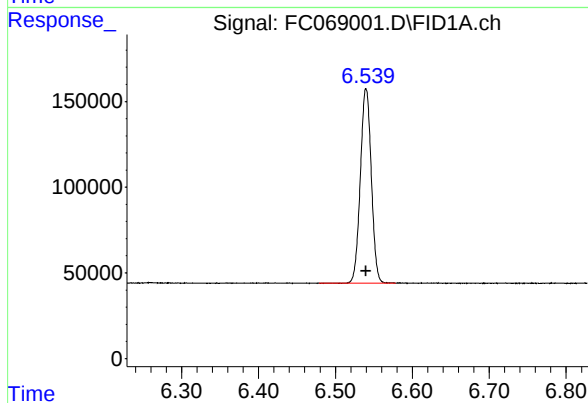
#2 n-Decane (C10)

R.T.: 4.515 min
Delta R.T.: 0.000 min
Response: 1131353
Conc: 10.35 ug/ml



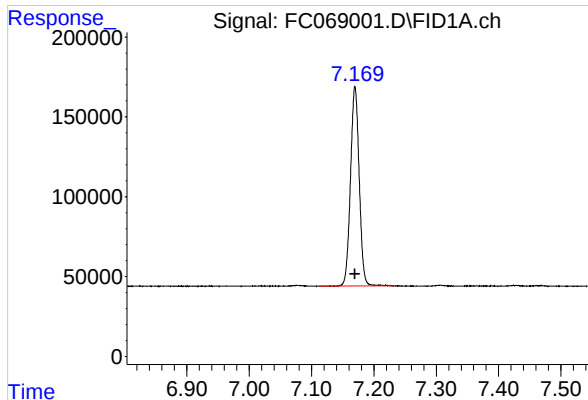
#3 A~Naphthalene (C11.7)

R.T.: 6.112 min
Delta R.T.: 0.000 min
Response: 1236532
Conc: 10.34 ug/ml



#4 n-Dodecane (C12)

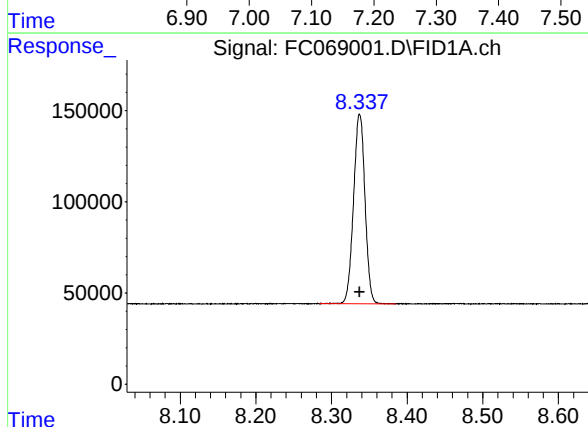
R.T.: 6.540 min
Delta R.T.: 0.000 min
Response: 1124129
Conc: 10.34 ug/ml



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

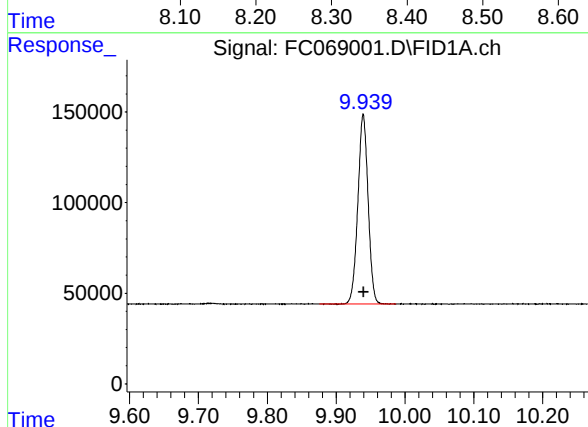
R.T.: 7.170 min
Delta R.T.: 0.000 min
Response: 1212200
Conc: 10.31 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



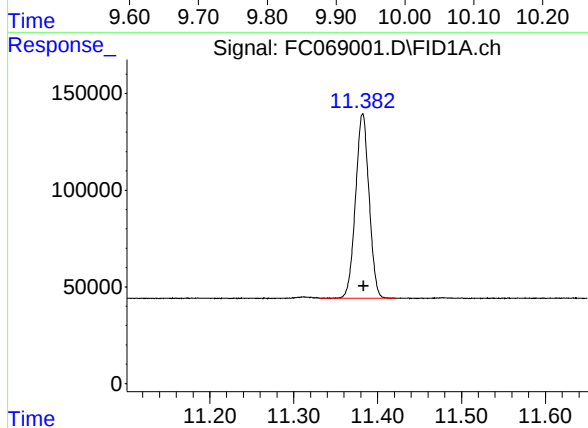
#6 n-Tetradecane (C14)

R.T.: 8.337 min
Delta R.T.: 0.000 min
Response: 1092781
Conc: 10.28 ug/ml



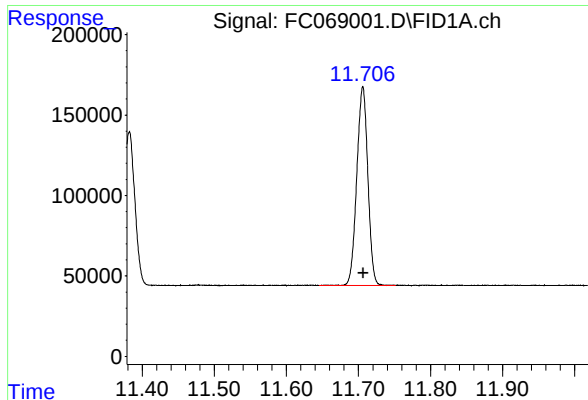
#7 n-Hexadecane (C16)

R.T.: 9.939 min
Delta R.T.: 0.000 min
Response: 1082063
Conc: 10.27 ug/ml



#8 n-Octadecane (C18)

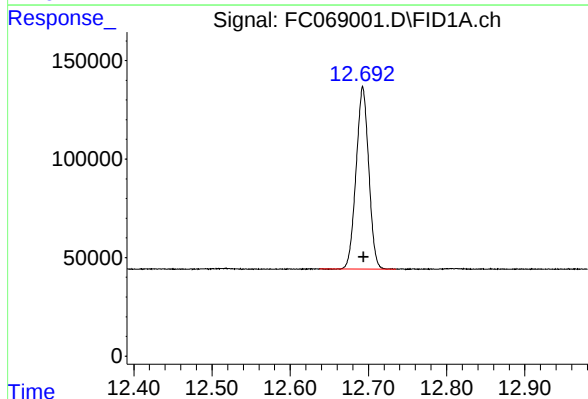
R.T.: 11.382 min
Delta R.T.: -0.001 min
Response: 1067301
Conc: 10.28 ug/ml



#9 ortho-Terphenyl (SURR)

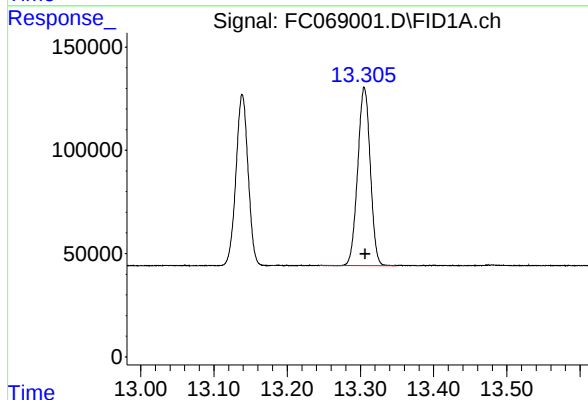
R.T.: 11.706 min
Delta R.T.: 0.000 min
Response: 1315471
Conc: 10.34 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



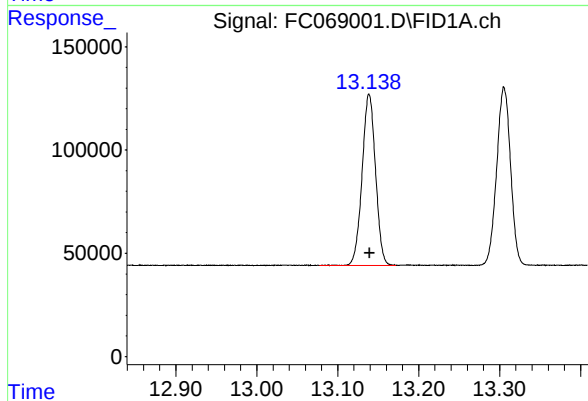
#10 n-Eicosane (C20)

R.T.: 12.693 min
Delta R.T.: 0.000 min
Response: 1038541
Conc: 10.28 ug/ml



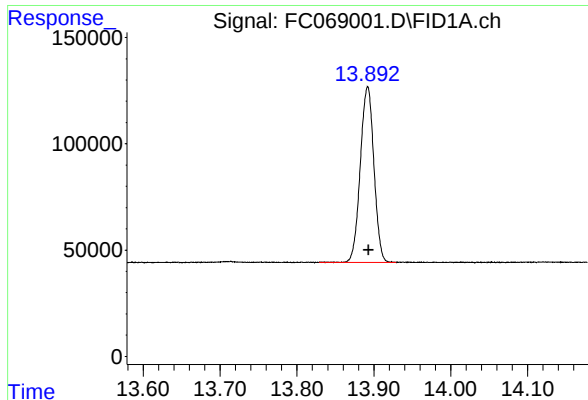
#11 n-Heneicosane (C21)

R.T.: 13.305 min
Delta R.T.: -0.002 min
Response: 1028304
Conc: 10.32 ug/ml



#12 1-chlorooctadecane (SURR)

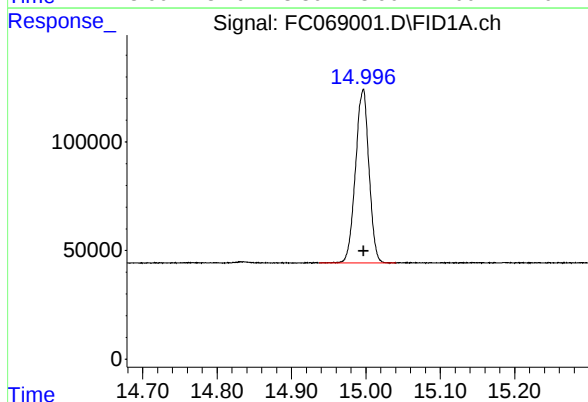
R.T.: 13.139 min
Delta R.T.: 0.000 min
Response: 952000
Conc: 10.25 ug/ml



#13 n-Docosane (C22)

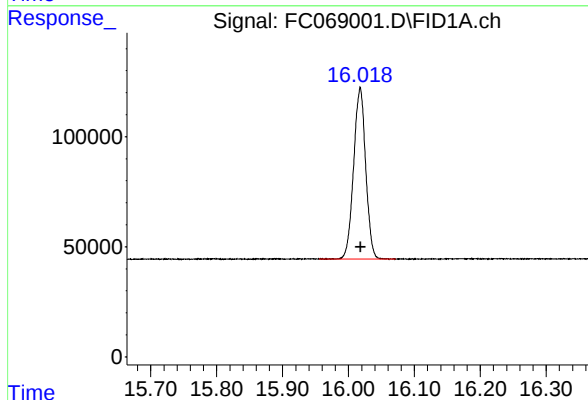
R.T.: 13.892 min
Delta R.T.: -0.002 min
Response: 1015479
Conc: 10.29 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



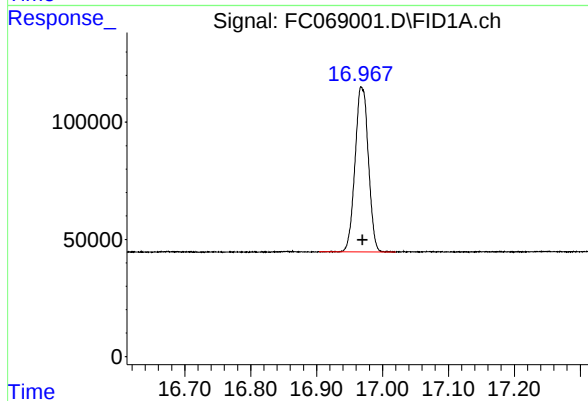
#14 n-Tetracosane (C24)

R.T.: 14.996 min
Delta R.T.: -0.001 min
Response: 1005198
Conc: 10.32 ug/ml



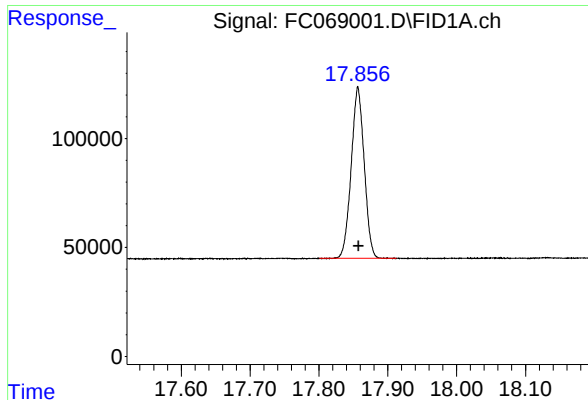
#15 n-Hexacosane (C26)

R.T.: 16.018 min
Delta R.T.: 0.000 min
Response: 990705
Conc: 10.32 ug/ml



#16 n-Octacosane (C28)

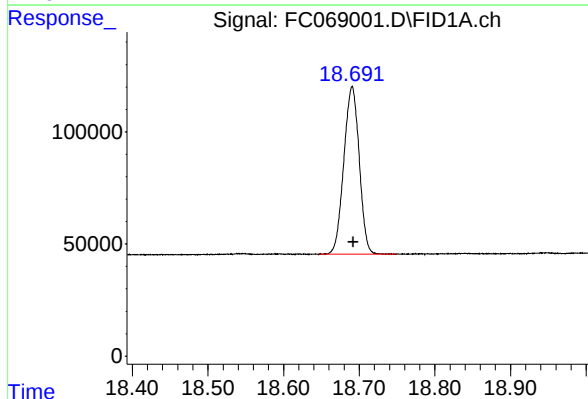
R.T.: 16.969 min
Delta R.T.: 0.000 min
Response: 990627
Conc: 10.38 ug/ml



#17 n-Tricontane (C30)

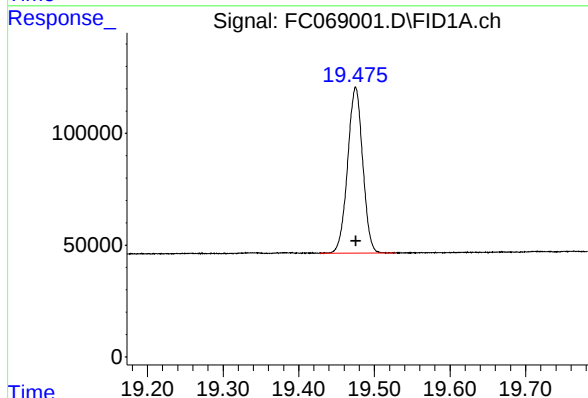
R.T.: 17.857 min
Delta R.T.: -0.001 min
Response: 1031496
Conc: 10.48 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



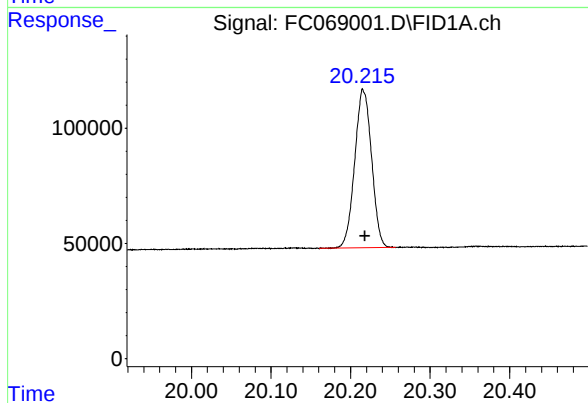
#18 n-Dotriacontane (C32)

R.T.: 18.691 min
Delta R.T.: -0.002 min
Response: 1059358
Conc: 10.58 ug/ml



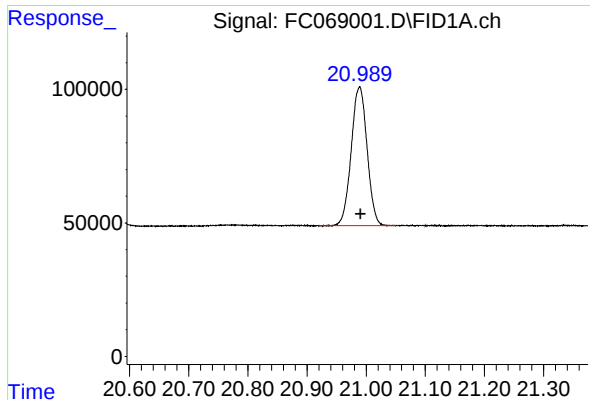
#19 n-Tetratriacontane (C34)

R.T.: 19.475 min
Delta R.T.: 0.000 min
Response: 1028905
Conc: 10.54 ug/ml



#20 n-Hexatriacontane (C36)

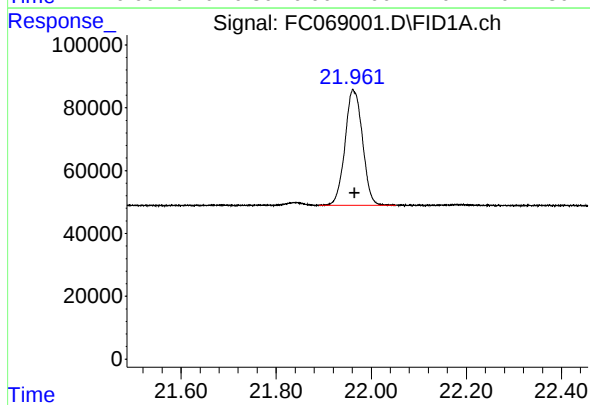
R.T.: 20.216 min
Delta R.T.: -0.002 min
Response: 1012538
Conc: 10.45 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.989 min
Delta R.T.: -0.002 min
Response: 969977
Conc: 10.36 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



#22 n-Tetracontane (C40)

R.T.: 21.962 min
Delta R.T.: -0.003 min
Response: 936476
Conc: 10.29 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC052425AL\
 Data File : FC069001.D
 Signal(s) : FID1A.ch
 Acq On : 23 May 2025 16:05
 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 052425.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	3.441	3.384	3.479	BB	135860	1134499	86.24%	4.837%
2	4.515	4.455	4.560	BB	126019	1131353	86.00%	4.823%
3	6.112	6.059	6.172	BB	133641	1236532	94.00%	5.272%
4	6.540	6.479	6.579	BB	113406	1124129	85.45%	4.793%
5	7.170	7.112	7.235	BB	124712	1212200	92.15%	5.168%
6	8.337	8.284	8.385	BB	103951	1092781	83.07%	4.659%
7	9.939	9.875	9.987	BB	104407	1082063	82.26%	4.613%
8	11.382	11.330	11.422	BB	95392	1067301	81.13%	4.550%
9	11.706	11.645	11.752	BB	123461	1315471	100.00%	5.608%
10	12.693	12.637	12.735	BB	92275	1038541	78.95%	4.428%
11	13.139	13.077	13.172	BB	82983	952000	72.37%	4.059%
12	13.305	13.244	13.349	BB	86365	1028304	78.17%	4.384%
13	13.892	13.829	13.929	BB	82835	1015479	77.20%	4.329%
14	14.996	14.937	15.040	BB	79351	1005198	76.41%	4.285%
15	16.018	15.955	16.072	BB	77464	990705	75.31%	4.224%
16	16.969	16.904	17.020	BB	70032	990627	75.31%	4.223%
17	17.857	17.800	17.912	BB	78767	1031496	78.41%	4.398%
18	18.691	18.647	18.749	BB	74787	1059358	80.53%	4.516%
19	19.475	19.427	19.529	BB	74346	1028905	78.22%	4.387%
20	20.216	20.160	20.257	BB	67548	1012538	76.97%	4.317%
21	20.989	20.920	21.050	BB	51998	969977	73.74%	4.135%
22	21.962	21.890	22.052	BB	36826	936476	71.19%	3.992%
Sum of corrected areas:							23455932	

Aliphatic EPH 052425.M Tue May 27 02:02:48 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC052425AL\
 Data File : FC069002.D
 Signal(s) : FID1A.ch
 Acq On : 23 May 2025 16:43
 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: May 27 01:40:47 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 052425.M
 Quant Title : GC Extractables
 QLast Update : Tue May 27 01:38:24 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)	11.705	625274	4.916 ug/ml
Spiked Amount 50.000		Recovery =	9.83%
12) S 1-chlorooctadecane (S...	13.138	452242	4.869 ug/ml
Spiked Amount 50.000		Recovery =	9.74%
Target Compounds			
1) T n-Nonane (C9)	3.441	528110	4.819 ug/ml
2) T n-Decane (C10)	4.515	527528	4.827 ug/ml
3) T A~Naphthalene (C11.7)	6.112	573671	4.796 ug/ml
4) T n-Dodecane (C12)	6.540	521607	4.796 ug/ml
5) T A~2-methylnaphthalene...	7.170	559547	4.757 ug/ml
6) T n-Tetradecane (C14)	8.336	513540	4.831 ug/ml
7) T n-Hexadecane (C16)	9.938	512504	4.865 ug/ml
8) T n-Octadecane (C18)	11.381	505430	4.866 ug/ml
10) T n-Eicosane (C20)	12.692	495899	4.909 ug/ml
11) T n-Heneicosane (C21)	13.305	490014	4.916 ug/ml
13) T n-Docosane (C22)	13.891	486862	4.934 ug/ml
14) T n-Tetracosane (C24)	14.995	483093	4.959 ug/ml
15) T n-Hexacosane (C26)	16.018	477776	4.979 ug/ml
16) T n-Octacosane (C28)	16.969	492774	5.166 ug/ml
17) T n-Tricontane (C30)	17.857	536669	5.454 ug/ml
18) T n-Dotriacontane (C32)	18.690	563065	5.626 ug/ml
19) T n-Tetratriacontane (C34)	19.475	536706	5.497 ug/ml
20) T n-Hexatriacontane (C36)	20.216	507777	5.241 ug/ml
21) T n-Octatriacontane (C38)	20.987	475775	5.080 ug/ml
22) T n-Tetracontane (C40)	21.962	453129	4.981 ug/ml

(f)=RT Delta > 1/2 Window

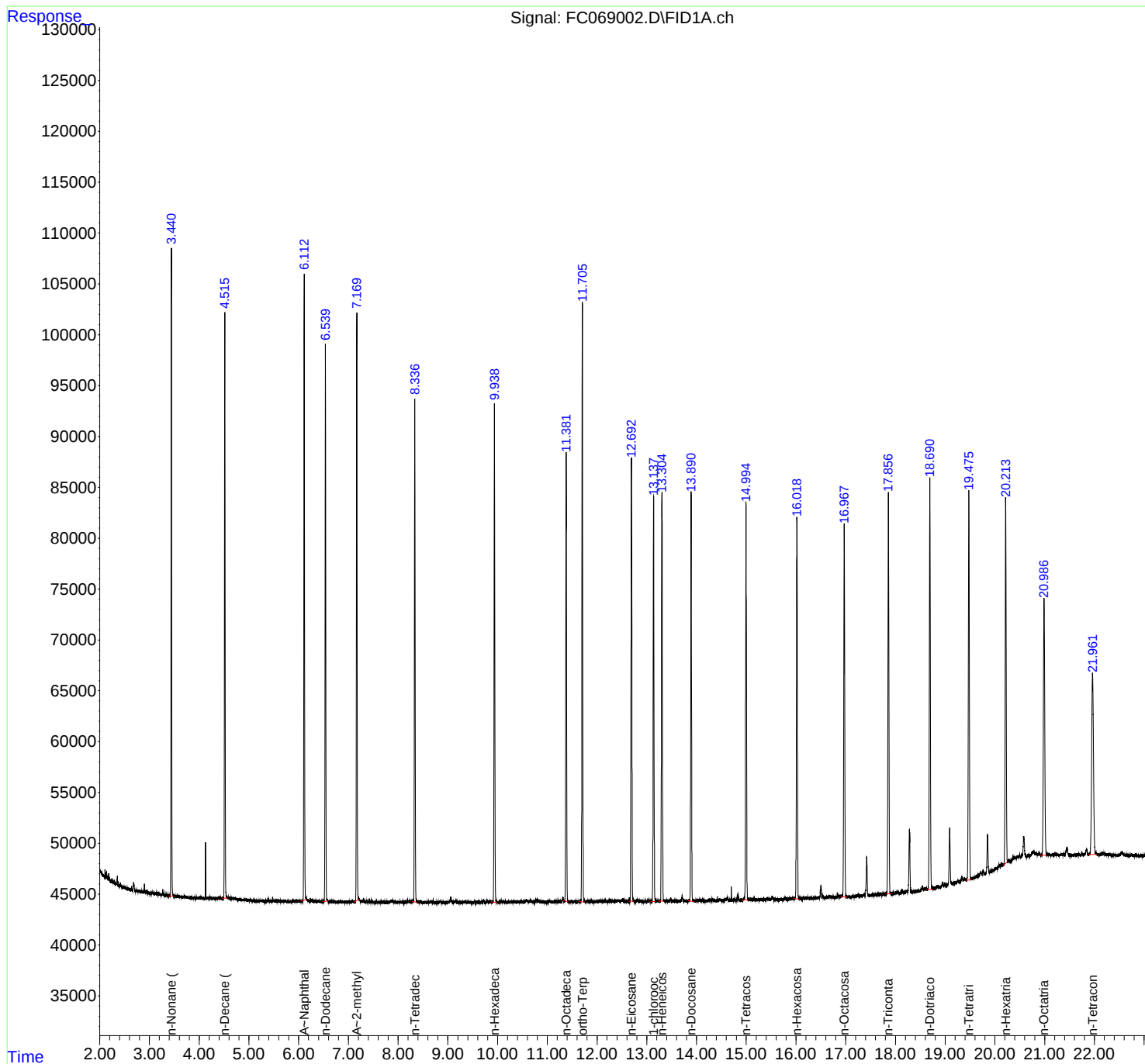
(m)=manual int.

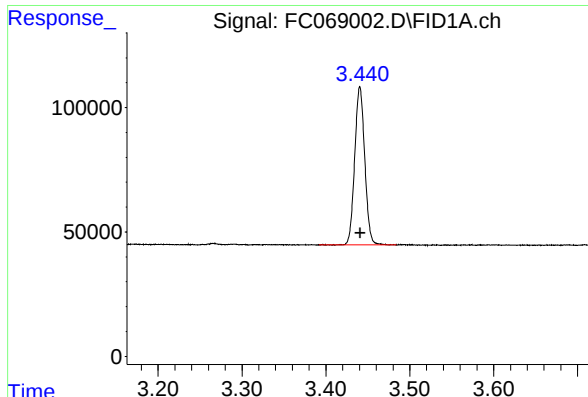
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC052425AL\
Data File : FC069002.D
Signal(s) : FID1A.ch
Acq On : 23 May 2025 16:43
Operator : YP/AJ
Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5

Integration File: autoint1.e
Quant Time: May 27 01:40:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 052425.M
Quant Title : GC Extractables
QLast Update : Tue May 27 01:38:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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

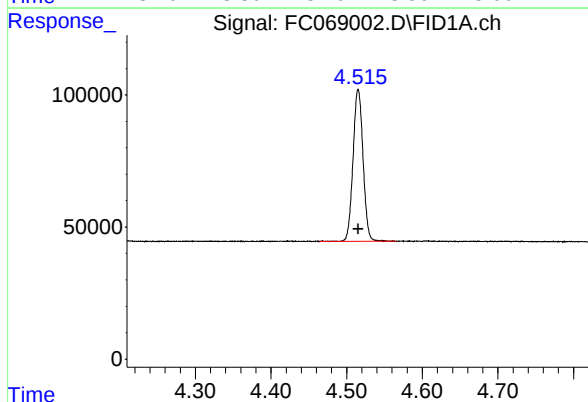




#1 n-Nonane (C9)

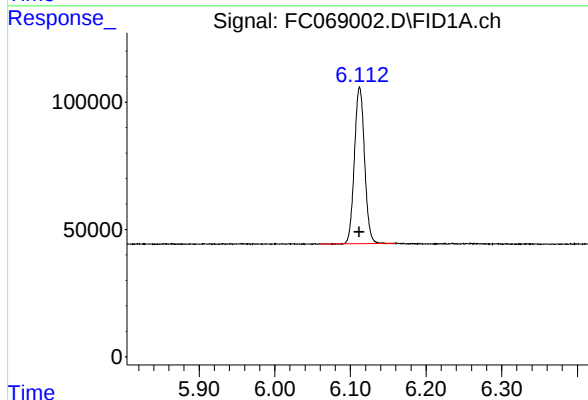
R.T.: 3.441 min
Delta R.T.: 0.000 min
Response: 528110
Conc: 4.82 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



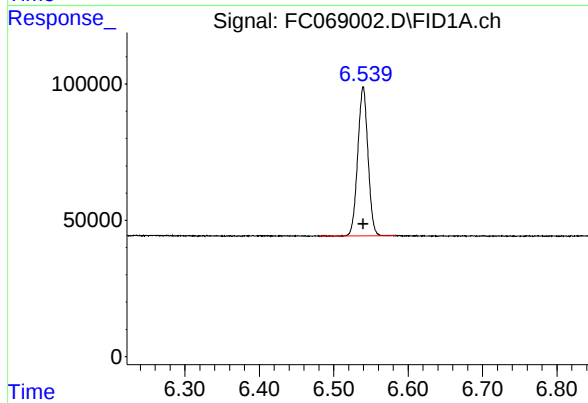
#2 n-Decane (C10)

R.T.: 4.515 min
Delta R.T.: 0.000 min
Response: 527528
Conc: 4.83 ug/ml



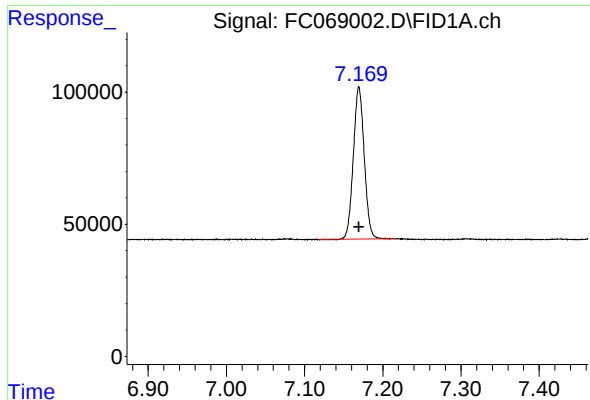
#3 A~Naphthalene (C11.7)

R.T.: 6.112 min
Delta R.T.: 0.000 min
Response: 573671
Conc: 4.80 ug/ml



#4 n-Dodecane (C12)

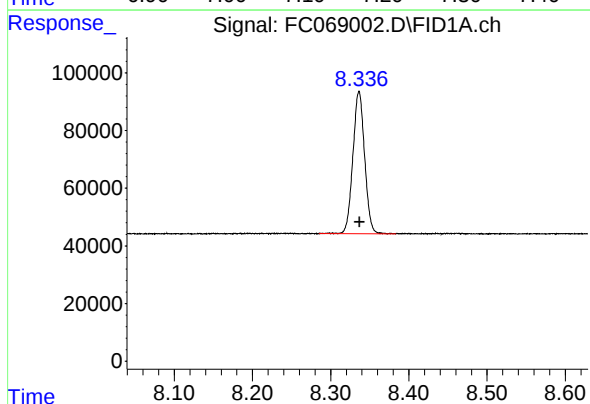
R.T.: 6.540 min
Delta R.T.: 0.000 min
Response: 521607
Conc: 4.80 ug/ml



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

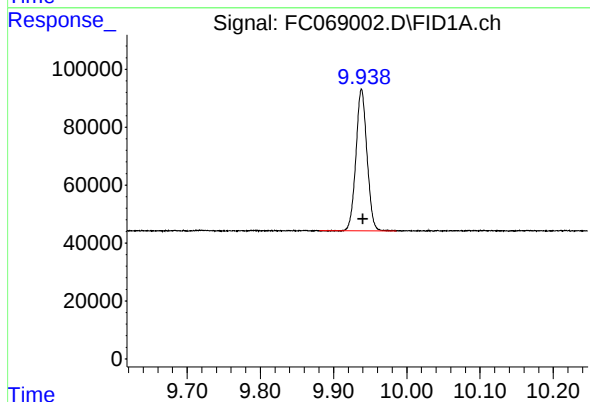
R.T.: 7.170 min
Delta R.T.: 0.000 min
Response: 559547
Conc: 4.76 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



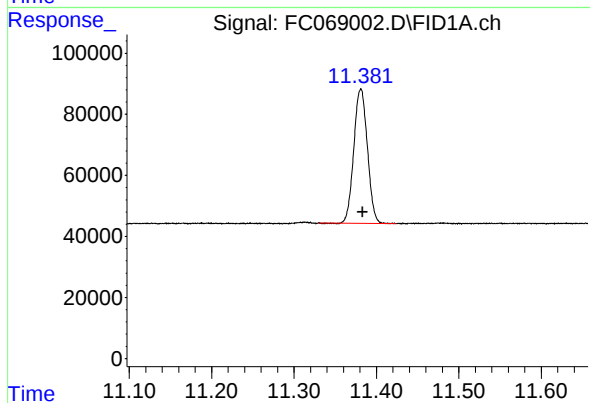
#6 n-Tetradecane (C14)

R.T.: 8.336 min
Delta R.T.: 0.000 min
Response: 513540
Conc: 4.83 ug/ml



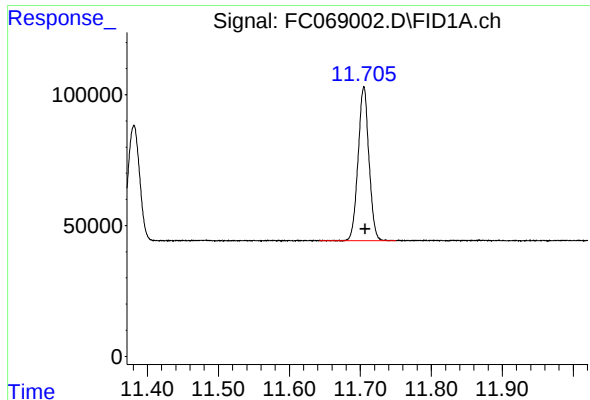
#7 n-Hexadecane (C16)

R.T.: 9.938 min
Delta R.T.: -0.002 min
Response: 512504
Conc: 4.86 ug/ml



#8 n-Octadecane (C18)

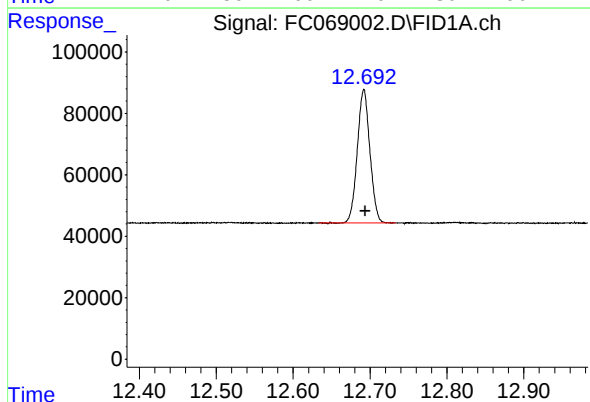
R.T.: 11.381 min
Delta R.T.: -0.002 min
Response: 505430
Conc: 4.87 ug/ml



#9 ortho-Terphenyl (SURR)

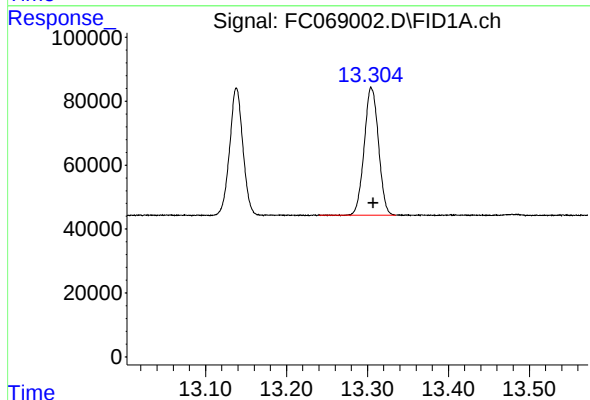
R.T.: 11.705 min
Delta R.T.: -0.002 min
Response: 625274
Conc: 4.92 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



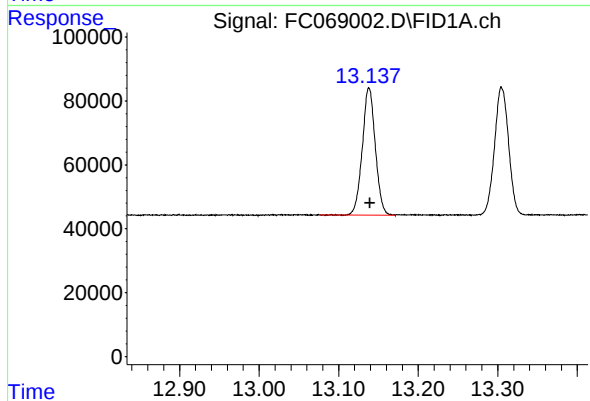
#10 n-Eicosane (C20)

R.T.: 12.692 min
Delta R.T.: -0.002 min
Response: 495899
Conc: 4.91 ug/ml



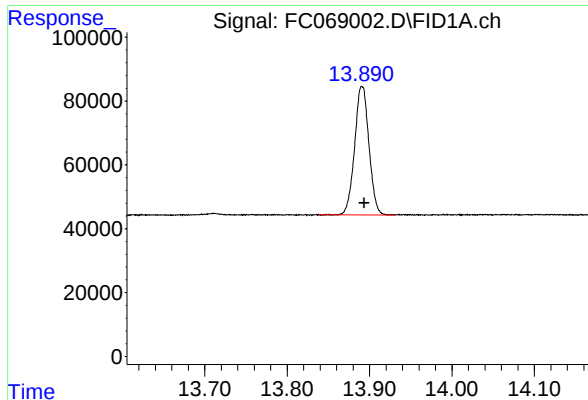
#11 n-Heneicosane (C21)

R.T.: 13.305 min
Delta R.T.: -0.002 min
Response: 490014
Conc: 4.92 ug/ml



#12 1-chlorooctadecane (SURR)

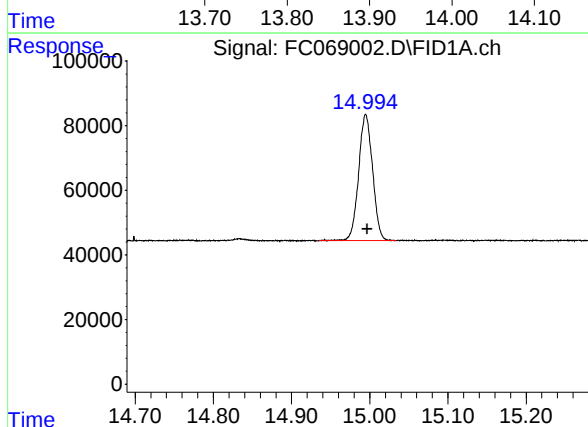
R.T.: 13.138 min
Delta R.T.: -0.001 min
Response: 452242
Conc: 4.87 ug/ml



#13 n-Docosane (C22)

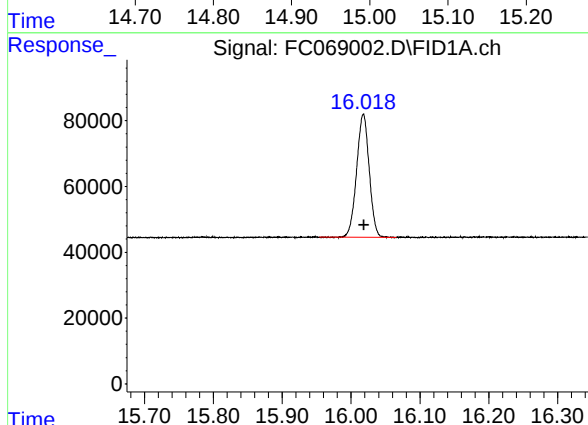
R.T.: 13.891 min
Delta R.T.: -0.003 min
Response: 486862
Conc: 4.93 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



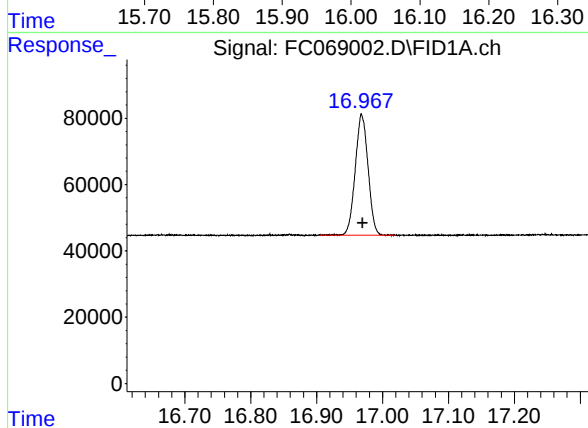
#14 n-Tetracosane (C24)

R.T.: 14.995 min
Delta R.T.: -0.002 min
Response: 483093
Conc: 4.96 ug/ml



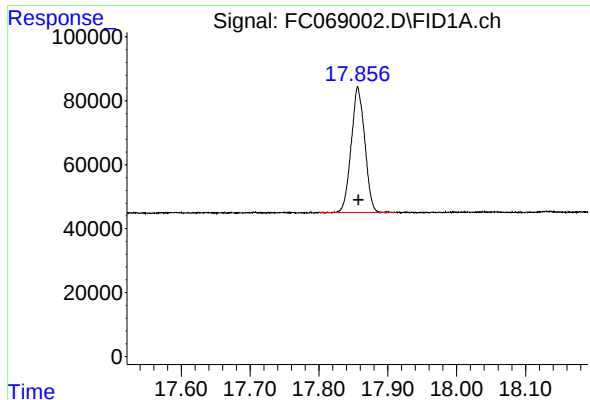
#15 n-Hexacosane (C26)

R.T.: 16.018 min
Delta R.T.: 0.000 min
Response: 477776
Conc: 4.98 ug/ml



#16 n-Octacosane (C28)

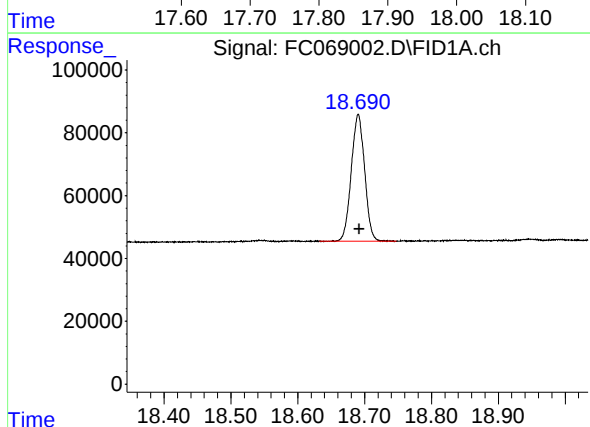
R.T.: 16.969 min
Delta R.T.: -0.001 min
Response: 492774
Conc: 5.17 ug/ml



#17 n-Tricontane (C30)

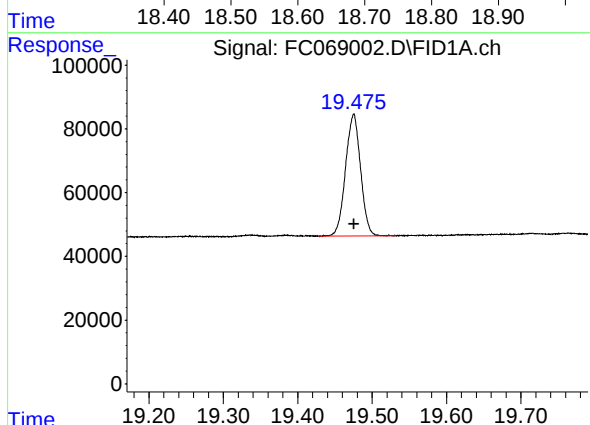
R.T.: 17.857 min
Delta R.T.: -0.001 min
Response: 536669
Conc: 5.45 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



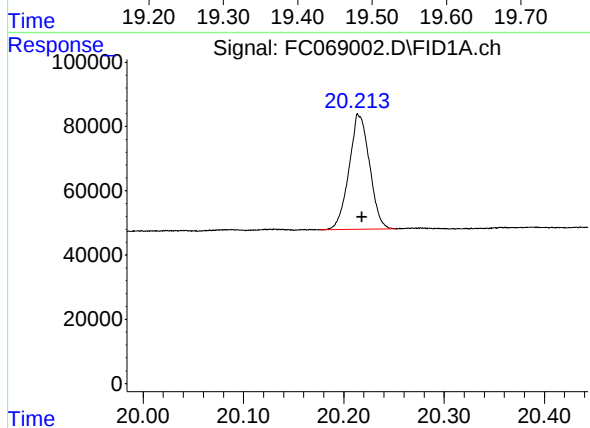
#18 n-Dotriacontane (C32)

R.T.: 18.690 min
Delta R.T.: -0.002 min
Response: 563065
Conc: 5.63 ug/ml



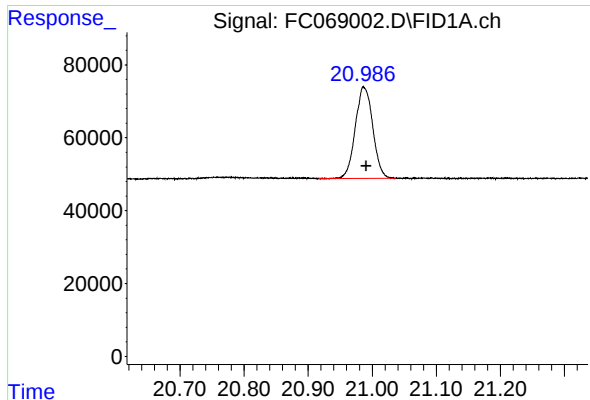
#19 n-Tetatriacontane (C34)

R.T.: 19.475 min
Delta R.T.: 0.000 min
Response: 536706
Conc: 5.50 ug/ml



#20 n-Hexatriacontane (C36)

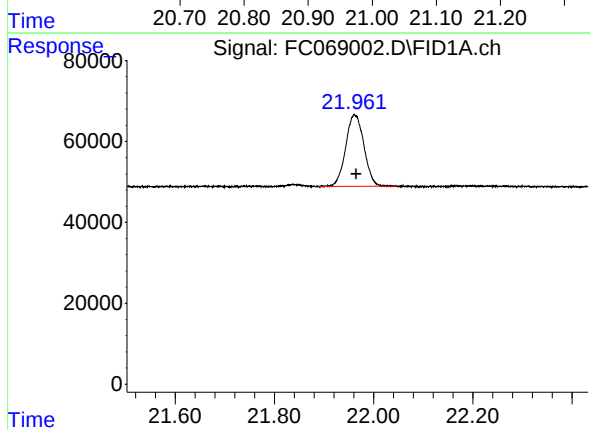
R.T.: 20.216 min
Delta R.T.: -0.002 min
Response: 507777
Conc: 5.24 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.987 min
Delta R.T.: -0.004 min
Response: 475775
Conc: 5.08 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



#22 n-Tetracontane (C40)

R.T.: 21.962 min
Delta R.T.: -0.003 min
Response: 453129
Conc: 4.98 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC052425AL\
 Data File : FC069002.D
 Signal(s) : FID1A.ch
 Acq On : 23 May 2025 16:43
 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 052425.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	3.441	3.392	3.484	BB	63551	528110	84.46%	4.666%
2	4.515	4.464	4.565	BB	57456	527528	84.37%	4.661%
3	6.112	6.059	6.160	BB	61460	573671	91.75%	5.068%
4	6.540	6.480	6.584	BB	54882	521607	83.42%	4.608%
5	7.170	7.119	7.217	BB	57569	559547	89.49%	4.943%
6	8.336	8.285	8.384	BB	49510	513540	82.13%	4.537%
7	9.938	9.880	9.985	BB	48912	512504	81.96%	4.528%
8	11.381	11.330	11.424	BB	43922	505430	80.83%	4.465%
9	11.705	11.642	11.750	BB	59103	625274	100.00%	5.524%
10	12.692	12.634	12.734	BB	43567	495899	79.31%	4.381%
11	13.138	13.075	13.172	BB	39777	452242	72.33%	3.995%
12	13.305	13.240	13.335	BB	39709	490014	78.37%	4.329%
13	13.891	13.839	13.932	BB	40319	486862	77.86%	4.301%
14	14.995	14.935	15.034	BB	39098	483093	77.26%	4.268%
15	16.018	15.954	16.065	BB	37625	477776	76.41%	4.221%
16	16.969	16.904	17.020	BB	36218	492774	78.81%	4.354%
17	17.857	17.800	17.912	BB	39192	536669	85.83%	4.741%
18	18.690	18.632	18.747	BB	40505	563065	90.05%	4.975%
19	19.475	19.429	19.532	BB	38336	536706	85.84%	4.742%
20	20.216	20.175	20.252	BB	35078	507777	81.21%	4.486%
21	20.987	20.917	21.037	BB	25001	475775	76.09%	4.203%
22	21.962	21.890	22.045	BB	17754	453129	72.47%	4.003%
Sum of corrected areas:							11318994	

Aliphatic EPH 052425.M Tue May 27 02:03:12 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC052425AL\
 Data File : FC069003.D
 Signal(s) : FID1A.ch
 Acq On : 23 May 2025 17:20
 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

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 05/27/2025
 Supervised By :mohammad ahmed 05/28/2025

Integration File: autoint1.e
 Quant Time: May 27 01:50:41 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 052425.M
 Quant Title : GC Extractables
 QLast Update : Tue May 27 01:48:55 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.707	2331287	18.901 ug/ml
Spiked Amount 50.000		Recovery =	37.80%
12) S 1-chlorooctadecane (S...	13.140	1699832	18.947 ug/ml
Spiked Amount 50.000		Recovery =	37.89%
Target Compounds			
1) T n-Nonane (C9)	3.441	2019084	19.026 ug/ml
2) T n-Decane (C10)	4.515	2011435	18.992 ug/ml
3) T A~Naphthalene (C11.7)	6.112	2198670	19.014 ug/ml
4) T n-Dodecane (C12)	6.540	1996427	18.992 ug/ml
5) T A~2-methylnaphthalene...	7.170	2159688	19.050 ug/ml
6) T n-Tetradecane (C14)	8.337	1941680	18.943 ug/ml
7) T n-Hexadecane (C16)	9.940	1918199	18.905 ug/ml
8) T n-Octadecane (C18)	11.383	1894928	18.960 ug/ml
10) T n-Eicosane (C20)	12.694	1851134	19.006 ug/ml
11) T n-Heneicosane (C21)	13.306	1825076	18.961 ug/ml
13) T n-Docosane (C22)	13.893	1834170	19.253 ug/ml
14) T n-Tetracosane (C24)	14.996	1860809	19.764 ug/mlm
15) T n-Hexacosane (C26)	16.019	1861946	20.055 ug/ml
16) T n-Octacosane (C28)	16.970	1859444	20.004 ug/mlm
17) T n-Tricontane (C30)	17.859	1898256	19.619 ug/ml
18) T n-Dotriacontane (C32)	18.692	1919820	19.373 ug/ml
19) T n-Tetratriacontane (C34)	19.477	1828587	18.973 ug/ml
20) T n-Hexatriacontane (C36)	20.218	1783767	18.790 ug/ml
21) T n-Octatriacontane (C38)	20.991	1708457	18.726 ug/ml
22) T n-Tetracontane (C40)	21.965	1646684	18.663 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC052425AL\
Data File : FC069003.D
Signal(s) : FID1A.ch
Acq On : 23 May 2025 17:20
Operator : YP/AJ
Sample : 20 PPM ALIPHATIC HC STD ICV
Misc :
ALS Vial : 16 Sample Multiplier: 1

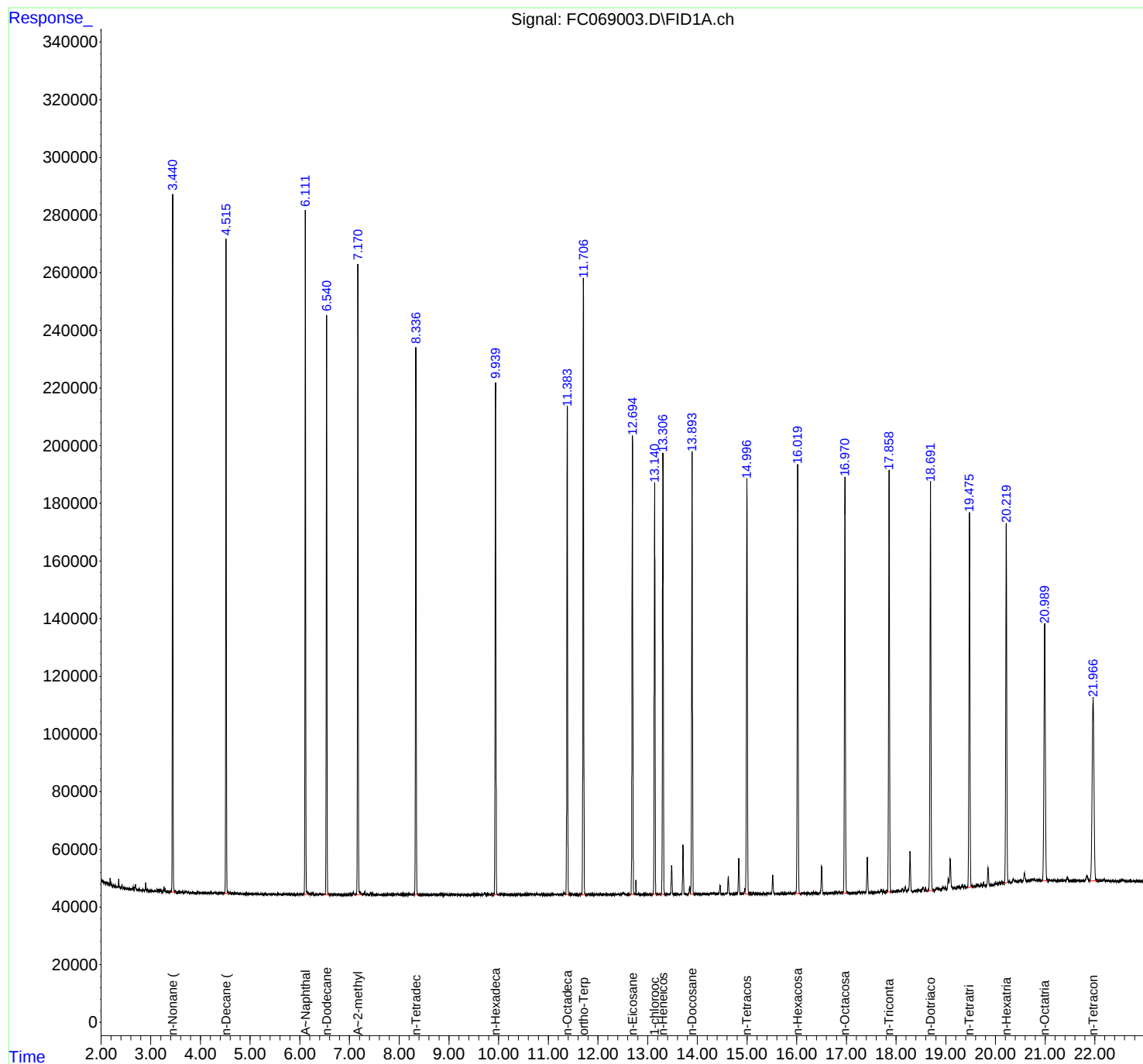
Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV

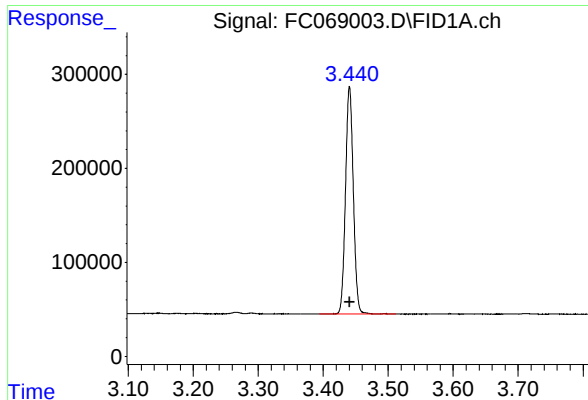
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/27/2025
Supervised By :mohammad ahmed 05/28/2025

Integration File: autoint1.e
Quant Time: May 27 01:50:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 052425.M
Quant Title : GC Extractables
QLast Update : Tue May 27 01:48:55 2025
Response via : Initial Calibration
Integrator: ChemStation

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





#1 n-Nonane (C9)

R.T.: 3.441 min
Delta R.T.: 0.000 min
Response: 2019084
Conc: 19.03 ug/ml

Instrument :

FID_C

ClientSampleId :

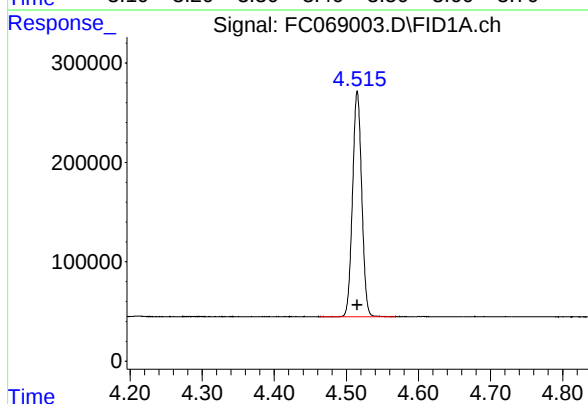
20 PPM ALIPHATIC HC STD ICV

Manual Integrations

APPROVED

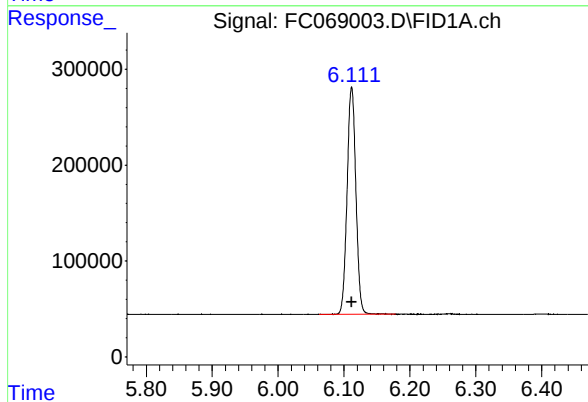
Reviewed By :Yogesh Patel 05/27/2025

Supervised By :mohammad ahmed 05/28/2025



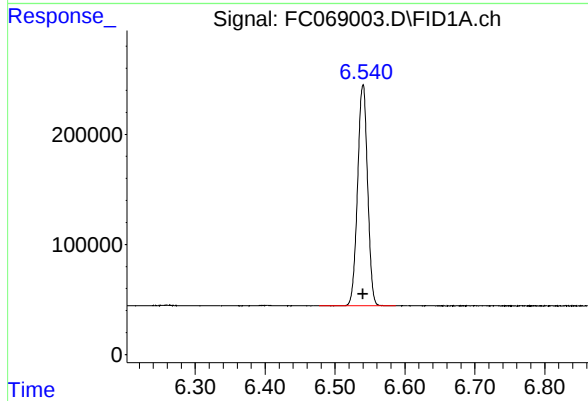
#2 n-Decane (C10)

R.T.: 4.515 min
Delta R.T.: 0.000 min
Response: 2011435
Conc: 18.99 ug/ml



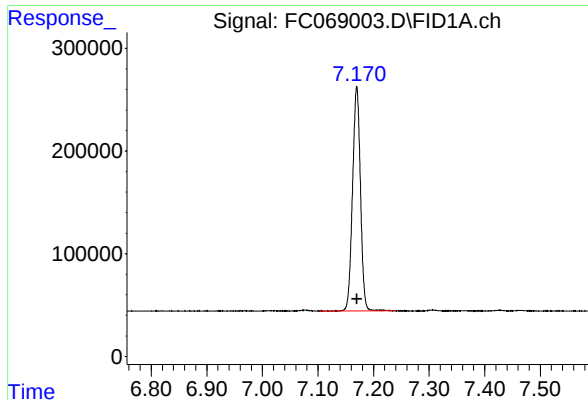
#3 A~Naphthalene (C11.7)

R.T.: 6.112 min
Delta R.T.: 0.000 min
Response: 2198670
Conc: 19.01 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.540 min
Delta R.T.: 0.000 min
Response: 1996427
Conc: 18.99 ug/ml



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

R.T.: 7.170 min
Delta R.T.: 0.000 min
Response: 2159688
Conc: 19.05 ug/ml

Instrument :

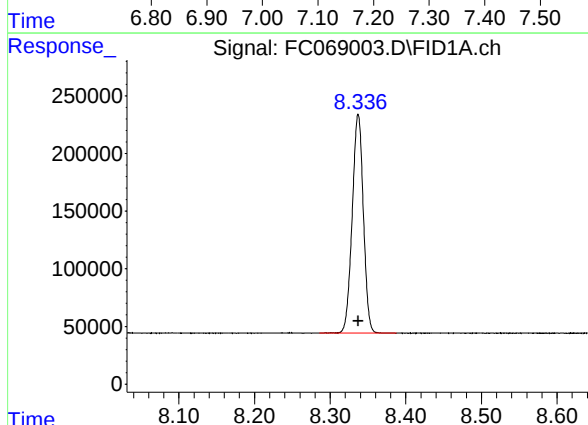
FID_C

ClientSampleId :

20 PPM ALIPHATIC HC STD ICV

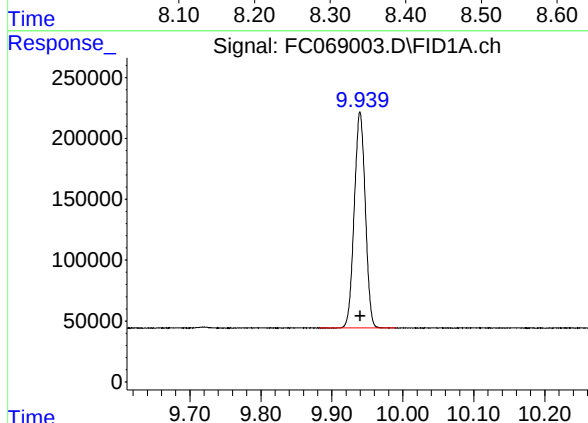
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/27/2025
Supervised By :mohammad ahmed 05/28/2025



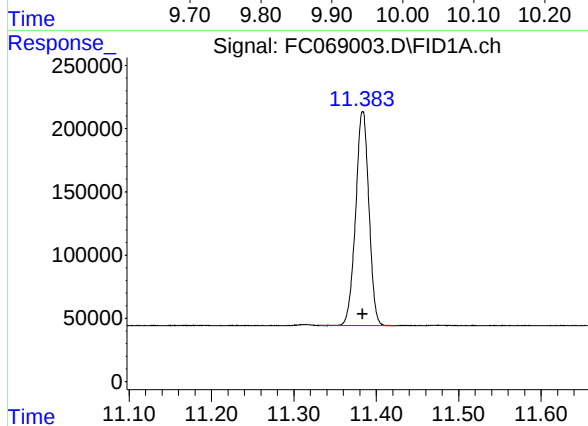
#6 n-Tetradecane (C14)

R.T.: 8.337 min
Delta R.T.: 0.000 min
Response: 1941680
Conc: 18.94 ug/ml



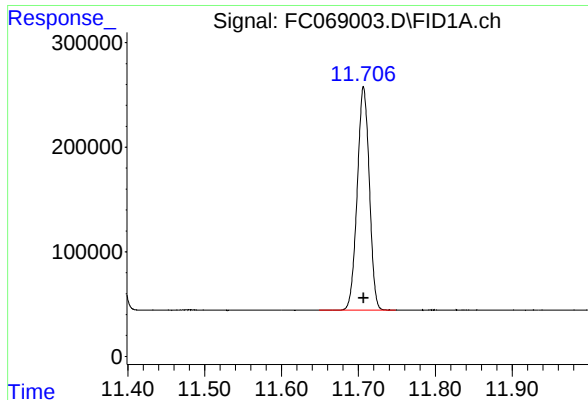
#7 n-Hexadecane (C16)

R.T.: 9.940 min
Delta R.T.: 0.000 min
Response: 1918199
Conc: 18.90 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.383 min
Delta R.T.: 0.000 min
Response: 1894928
Conc: 18.96 ug/ml



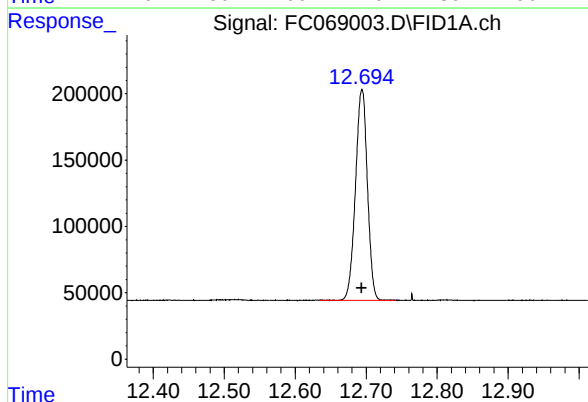
#9 ortho-Terphenyl (SURR)

R.T.: 11.707 min
Delta R.T.: 0.000 min
Response: 2331287
Conc: 18.90 ug/ml

Instrument : FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV

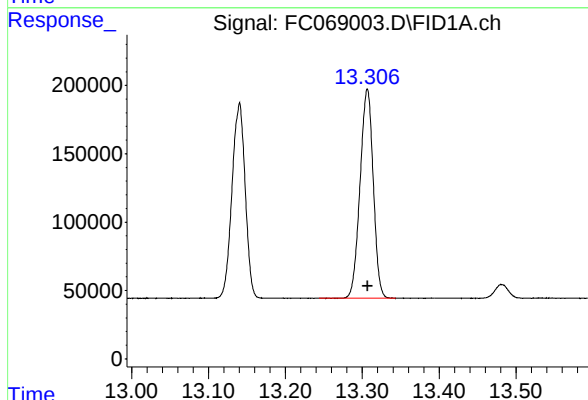
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/27/2025
Supervised By :mohammad ahmed 05/28/2025



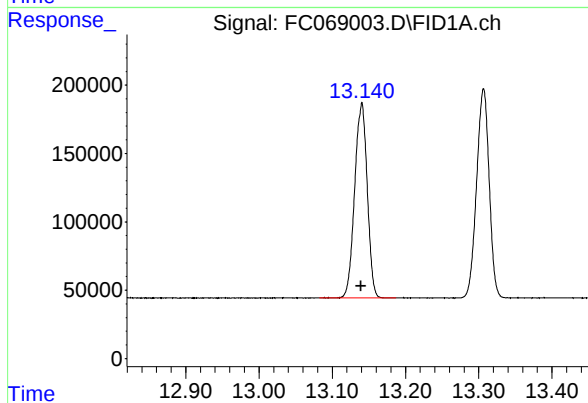
#10 n-Eicosane (C20)

R.T.: 12.694 min
Delta R.T.: 0.000 min
Response: 1851134
Conc: 19.01 ug/ml



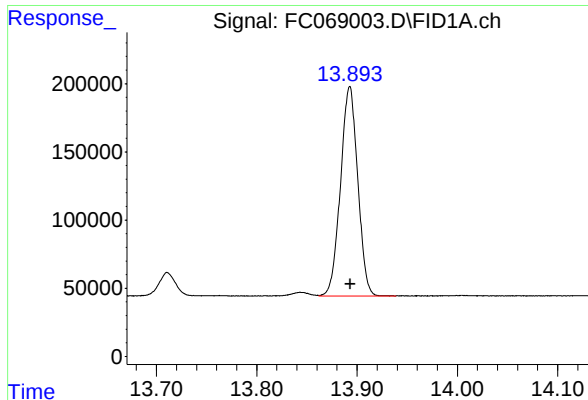
#11 n-Heneicosane (C21)

R.T.: 13.306 min
Delta R.T.: 0.000 min
Response: 1825076
Conc: 18.96 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.140 min
Delta R.T.: 0.000 min
Response: 1699832
Conc: 18.95 ug/ml



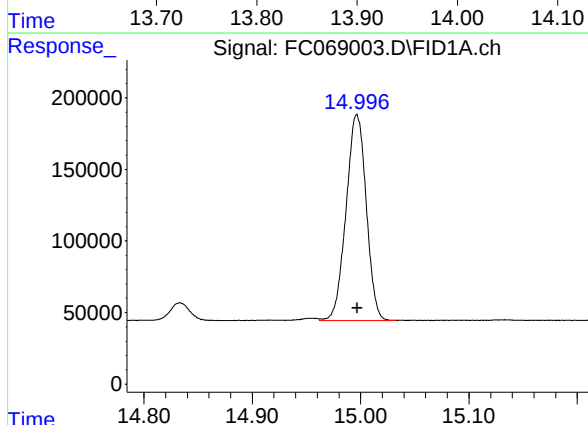
#13 n-Docosane (C22)

R.T.: 13.893 min
Delta R.T.: 0.000 min
Response: 1834170
Conc: 19.25 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV

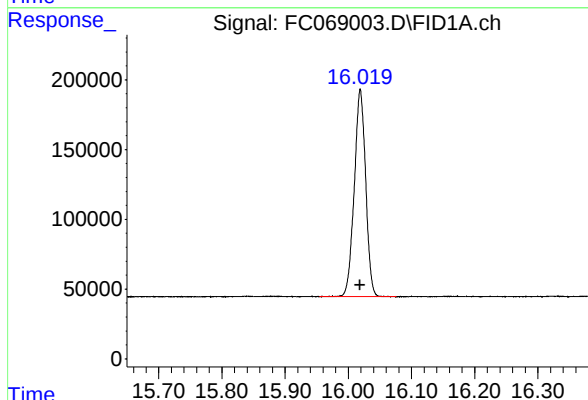
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/27/2025
Supervised By :mohammad ahmed 05/28/2025



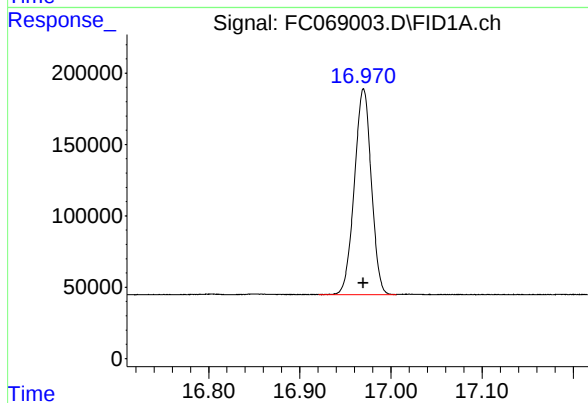
#14 n-Tetracosane (C24)

R.T.: 14.996 min
Delta R.T.: 0.000 min
Response: 1860809
Conc: 19.76 ug/ml m



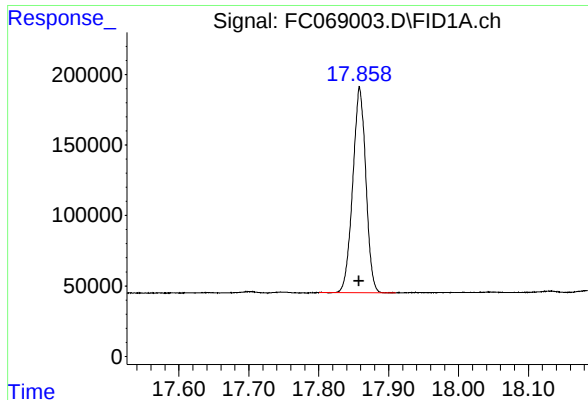
#15 n-Hexacosane (C26)

R.T.: 16.019 min
Delta R.T.: 0.000 min
Response: 1861946
Conc: 20.06 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.970 min
Delta R.T.: 0.000 min
Response: 1859444
Conc: 20.00 ug/ml m



#17 n-Tricontane (C30)

R.T.: 17.859 min
Delta R.T.: 0.000 min
Response: 1898256
Conc: 19.62 ug/ml

Instrument :

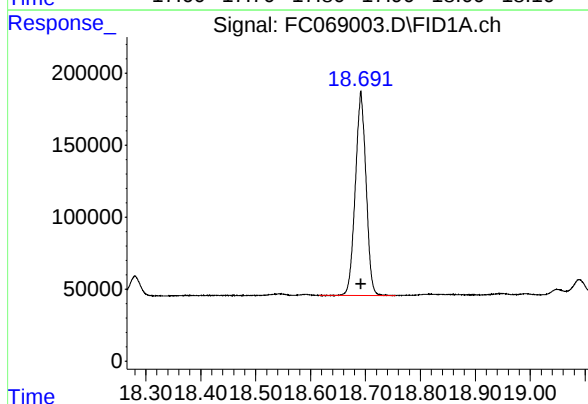
FID_C

ClientSampleId :

20 PPM ALIPHATIC HC STD ICV

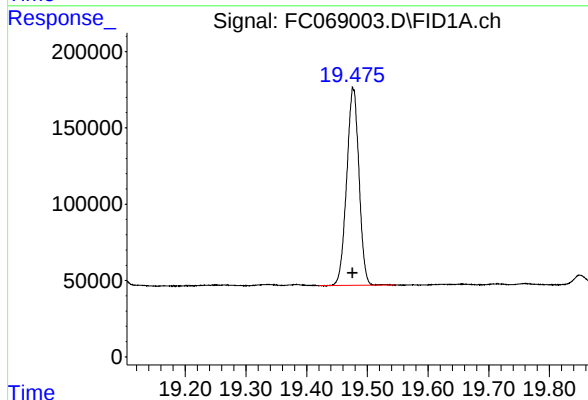
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/27/2025
Supervised By :mohammad ahmed 05/28/2025



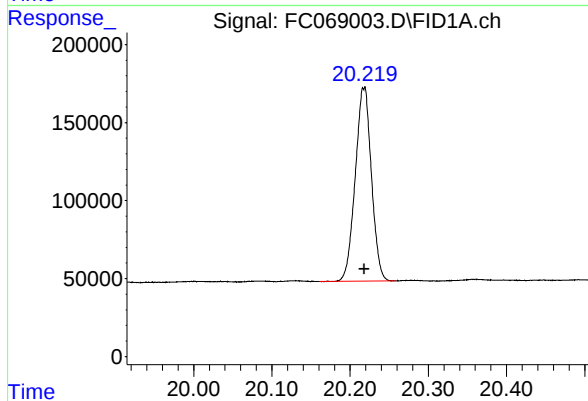
#18 n-Dotriacontane (C32)

R.T.: 18.692 min
Delta R.T.: 0.000 min
Response: 1919820
Conc: 19.37 ug/ml



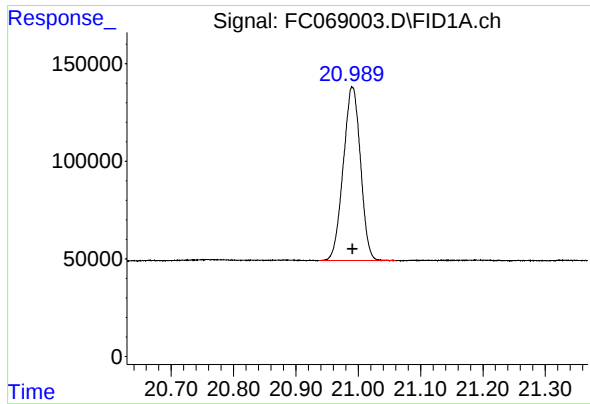
#19 n-Tetratriacontane (C34)

R.T.: 19.477 min
Delta R.T.: 0.001 min
Response: 1828587
Conc: 18.97 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.218 min
Delta R.T.: 0.000 min
Response: 1783767
Conc: 18.79 ug/ml



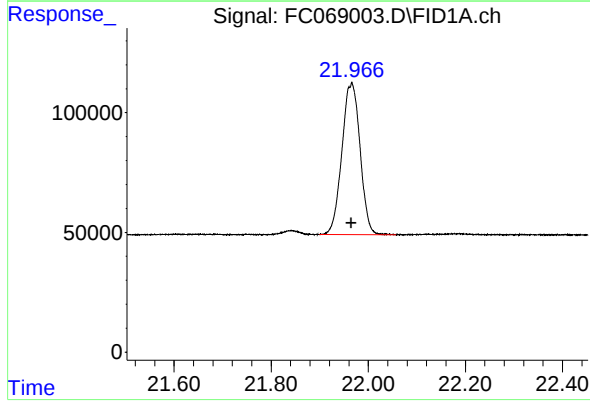
#21 n-Octatriacontane (C38)

R.T.: 20.991 min
Delta R.T.: 0.000 min
Response: 1708457
Conc: 18.73 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV

Manual Integrations
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#22 n-Tetracontane (C40)

R.T.: 21.965 min
Delta R.T.: 0.000 min
Response: 1646684
Conc: 18.66 ug/ml

rteres

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV
Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 05/27/2025
Supervised By :mohammad ahmed 05/28/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC05242
Data File : FC069003.D
Signal(s) : FID1A.ch
Acq On : 23 May 2025 17:20
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 052425.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	3.441	3.394	3.512	BB	241687	2019084	86.61%	4.800%
2	4.515	4.462	4.569	BB	226581	2011435	86.28%	4.782%
3	6.112	6.062	6.179	BB	237401	2198670	94.31%	5.227%
4	6.540	6.477	6.587	BB	201518	1996427	85.64%	4.746%
5	7.170	7.102	7.240	BB	218895	2159688	92.64%	5.135%
6	8.337	8.285	8.387	BB	189871	1941680	83.29%	4.616%
7	9.940	9.882	9.990	BB	177137	1918199	82.28%	4.560%
8	11.383	11.330	11.424	BB	169481	1894928	81.28%	4.505%
9	11.707	11.649	11.749	BB	213234	2331287	100.00%	5.543%
10	12.694	12.634	12.742	BB	158736	1851134	79.40%	4.401%
11	13.140	13.082	13.187	BB	143207	1699832	72.91%	4.041%
12	13.306	13.244	13.344	BB	153476	1825076	78.29%	4.339%
13	13.893	13.862	13.939	VB	153593	1834170	78.68%	4.361%
14	14.997	14.909	15.052	BB	143782	1874929	80.42%	4.458%
15	16.019	15.954	16.075	BB	148715	1861946	79.87%	4.427%
16	16.970	16.814	17.005	BB	144353	1857931	79.70%	4.417%
17	17.859	17.800	17.910	BB	145505	1898256	81.43%	4.513%
18	18.692	18.615	18.755	BB	141686	1919820	82.35%	4.564%
19	19.477	19.420	19.547	BB	128549	1828587	78.44%	4.347%
20	20.218	20.160	20.259	BB	123743	1783767	76.51%	4.241%
21	20.991	20.937	21.060	BB	88935	1708457	73.28%	4.062%
22	21.965	21.899	22.057	BB	63426	1646684	70.63%	3.915%
Sum of corrected areas:						42061986		

Aliphatic EPH 052425.M Tue May 27 02:03:47 2025