

Initial Calibration Report for SequenceID : FC050625AL

AreaCount

Parameter Range	FC068781.D	FC068782.D	FC068783.D	FC068784.D	FC068785.D	
Aliphatic C9-C12	27880831.000	14168342.000	6134963.000	3195282.000	1492730.000	
Aliphatic C12-C16	16912815.000	8652812.000	3764747.000	1956091.000	919066.000	
Aliphatic C16-C21	23844810.000	12210662.000	5322269.000	2761699.000	1307311.000	
Aliphatic C21-C28	31086803.000	15724596.000	6816713.000	3578057.000	1689101.000	
Aliphatic C28-C40	47720501.000	24011560.000	10345705.000	5495913.000	2571840.000	
Aliphatic EPH	147445760.000	74767972.000	32384397.000	16987042.000	7980048.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aliphatic C9-C12	99133.1666664	5.629				
Aliphatic C12-C16	90984.404	5.976				
Aliphatic C16-C21	85760.459333	6.077				
Aliphatic C21-C28	83091.075	5.885				
Aliphatic C28-C40	84622.6919998	5.889				
Aliphatic EPH	87597.2298886	5.859				

Concentration

Parameter Range	FC068781.D	FC068782.D	FC068783.D	FC068784.D	FC068785.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	FC068781.D	FC068782.D	FC068783.D	FC068784.D	FC068785.D	
Aliphatic C9-C12	92936.103333	94455.613333	102249.383333	106509.400000	99515.333333	
Aliphatic C12-C16	84564.075000	86528.120000	94118.675000	97804.550000	91906.600000	
Aliphatic C16-C21	79482.700000	81404.413333	88704.483333	92056.633333	87154.066666	

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Aliphatic C21-C28	77717.007500	78622.980000	85208.912500	89451.425000	84455.050000	
Aliphatic C28-C40	79534.168333	80038.533333	86214.208333	91598.550000	85728.000000	
Aliphatic EPH	81914.311111	83075.524444	89956.658333	94372.455555	88667.200000	

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC050625AL\
 Data File : FC068781.D
 Signal(s) : FID1A.ch
 Acq On : 06 May 2025 15:33
 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 07 08:36:16 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 050625.M
 Quant Title : GC Extractables
 QLast Update : Wed May 07 08:32:40 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)	11.719	10663591	90.357 ug/ml
Spiked Amount 50.000		Recovery =	180.71%
12) S 1-chlorooctadecane (S...	13.148	7506812	90.440 ug/ml
Spiked Amount 50.000		Recovery =	180.88%
Target Compounds			
1) T n-Nonane (C9)	3.446	9452990	91.096 ug/ml
2) T n-Decane (C10)	4.522	9350074	91.009 ug/ml
3) T A~Naphthalene (C11.7)	6.120	10375040	91.117 ug/ml
4) T n-Dodecane (C12)	6.547	9077767	90.560 ug/ml
5) T A~2-methylnaphthalene...	7.179	10106516	90.819 ug/ml
6) T n-Tetradecane (C14)	8.345	8598731	90.089 ug/ml
7) T n-Hexadecane (C16)	9.948	8314084	89.600 ug/ml
8) T n-Octadecane (C18)	11.393	8110111	89.374 ug/ml
10) T n-Eicosane (C20)	12.703	7900541	89.681 ug/ml
11) T n-Heneicosane (C21)	13.316	7834158	89.765 ug/ml
13) T n-Docosane (C22)	13.902	7786407	90.161 ug/ml
14) T n-Tetracosane (C24)	15.007	7763690	90.799 ug/ml
15) T n-Hexacosane (C26)	16.028	7766538	91.654 ug/ml
16) T n-Octacosane (C28)	16.979	7770168	92.247 ug/ml
17) T n-Tricontane (C30)	17.869	7942026	92.146 ug/ml
18) T n-Dotriacontane (C32)	18.703	8053843	92.130 ug/ml
19) T n-Tetratriacontane (C34)	19.488	7971732	92.003 ug/ml
20) T n-Hexatriacontane (C36)	20.229	8070568	92.069 ug/ml
21) T n-Octatriacontane (C38)	21.005	7905156	92.304 ug/ml
22) T n-Tetracontane (C40)	21.984	7777176	92.883 ug/ml

(f)=RT Delta > 1/2 Window

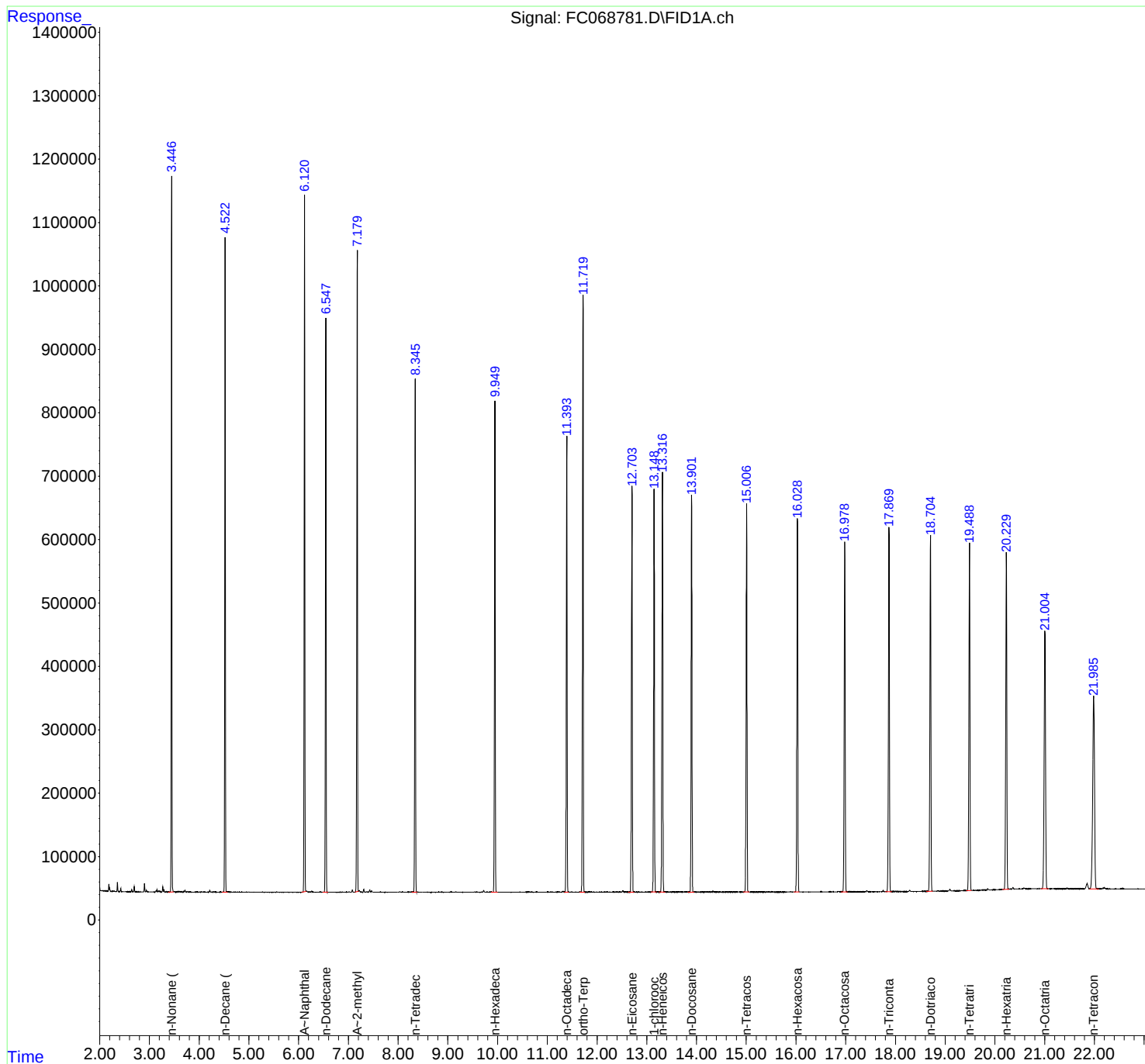
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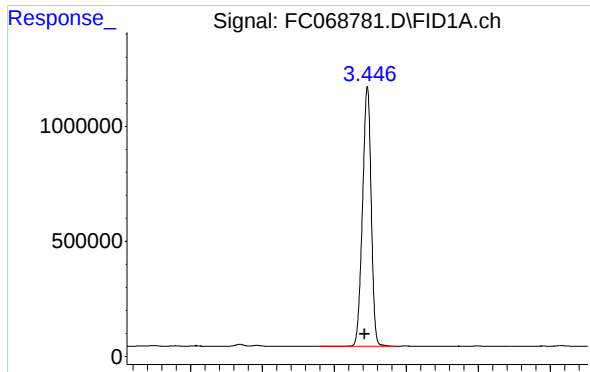
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC050625AL\
Data File : FC068781.D
Signal(s) : FID1A.ch
Acq On : 06 May 2025 15:33
Operator : YP/AJ
Sample : 100 PPM ALIPHATIC HC STD1
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1

Integration File: autoint1.e
Quant Time: May 07 08:36:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 050625.M
Quant Title : GC Extractables
QLast Update : Wed May 07 08:32:40 2025
Response via : Initial Calibration
Integrator: ChemStation

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

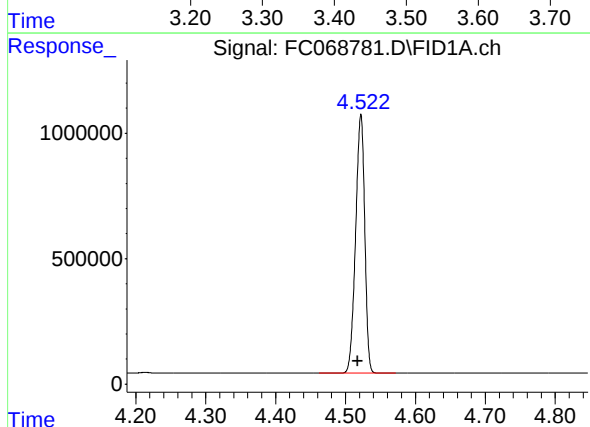




#1 n-Nonane (C9)

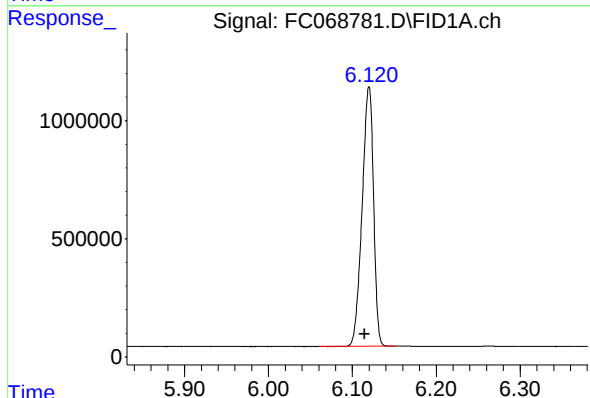
R.T.: 3.446 min
Delta R.T.: 0.004 min
Response: 9452990
Conc: 91.10 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



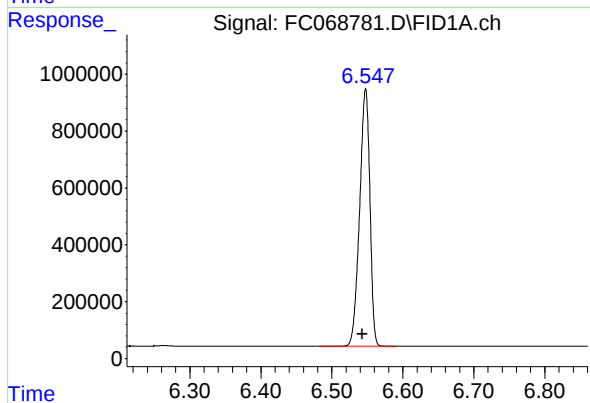
#2 n-Decane (C10)

R.T.: 4.522 min
Delta R.T.: 0.004 min
Response: 9350074
Conc: 91.01 ug/ml



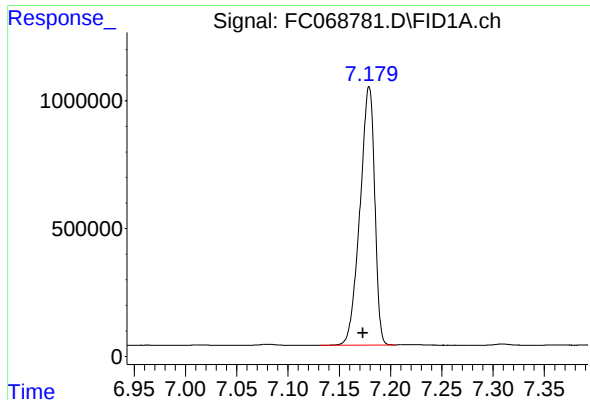
#3 A~Naphthalene (C11.7)

R.T.: 6.120 min
Delta R.T.: 0.005 min
Response: 10375040
Conc: 91.12 ug/ml



#4 n-Dodecane (C12)

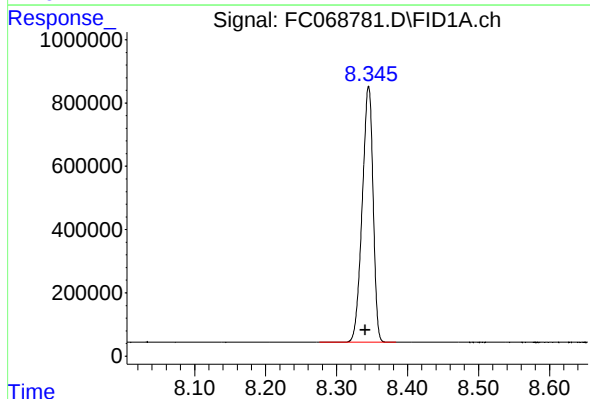
R.T.: 6.547 min
Delta R.T.: 0.004 min
Response: 9077767
Conc: 90.56 ug/ml



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

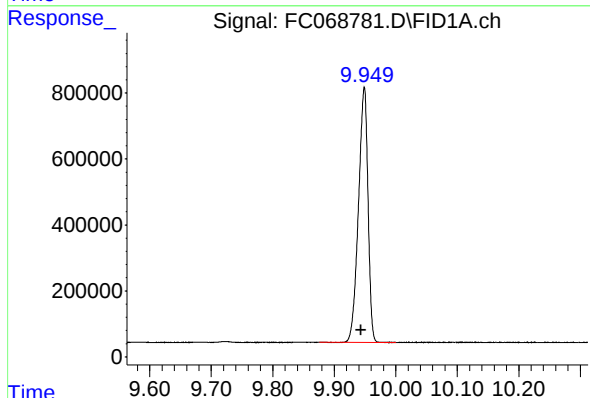
R.T.: 7.179 min
Delta R.T.: 0.006 min
Response: 10106516
Conc: 90.82 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



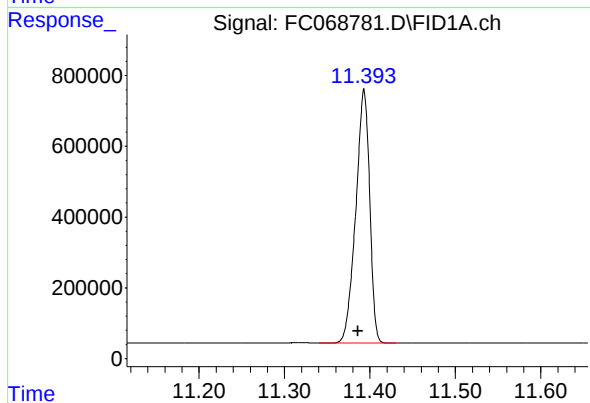
#6 n-Tetradecane (C14)

R.T.: 8.345 min
Delta R.T.: 0.004 min
Response: 8598731
Conc: 90.09 ug/ml



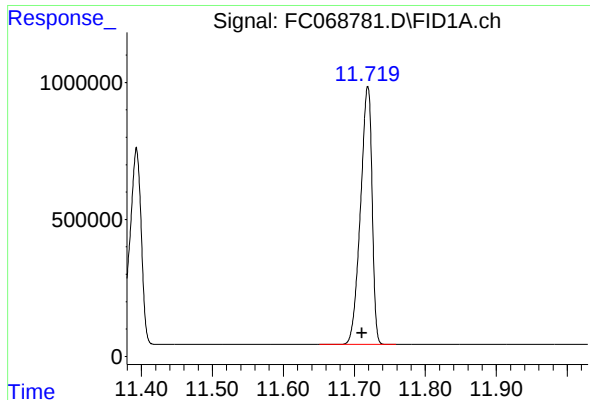
#7 n-Hexadecane (C16)

R.T.: 9.948 min
Delta R.T.: 0.005 min
Response: 8314084
Conc: 89.60 ug/ml



#8 n-Octadecane (C18)

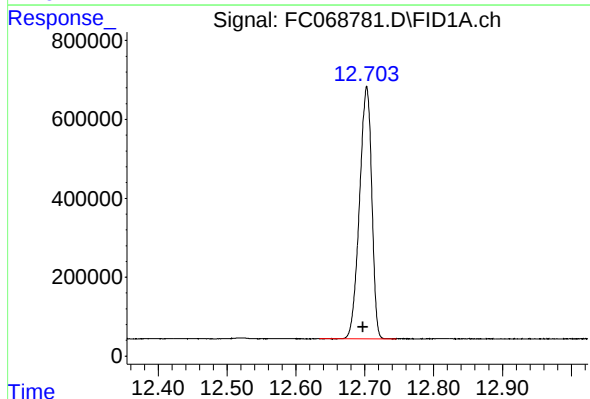
R.T.: 11.393 min
Delta R.T.: 0.007 min
Response: 8110111
Conc: 89.37 ug/ml



#9 ortho-Terphenyl (SURR)

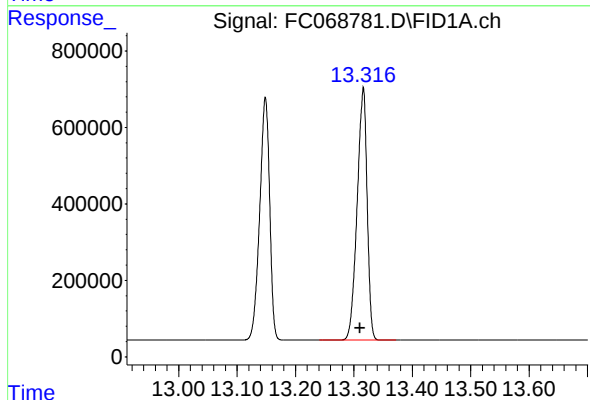
R.T.: 11.719 min
Delta R.T.: 0.008 min
Response: 10663591
Conc: 90.36 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



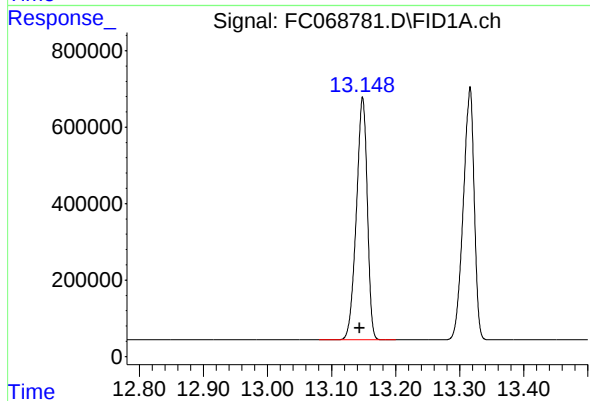
#10 n-Eicosane (C20)

R.T.: 12.703 min
Delta R.T.: 0.005 min
Response: 7900541
Conc: 89.68 ug/ml



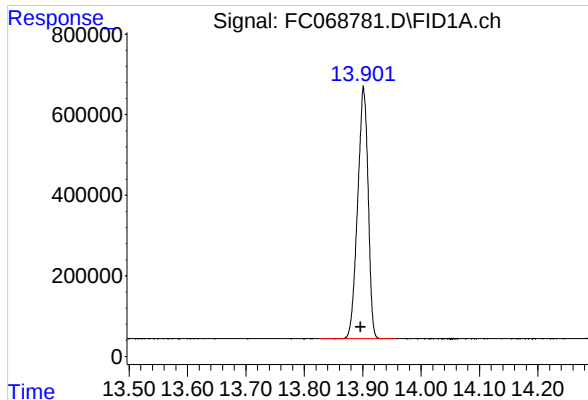
#11 n-Heneicosane (C21)

R.T.: 13.316 min
Delta R.T.: 0.005 min
Response: 7834158
Conc: 89.77 ug/ml



#12 1-chlorooctadecane (SURR)

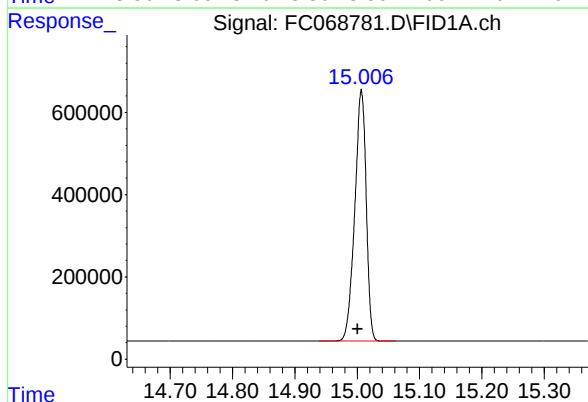
R.T.: 13.148 min
Delta R.T.: 0.004 min
Response: 7506812
Conc: 90.44 ug/ml



#13 n-Docosane (C22)

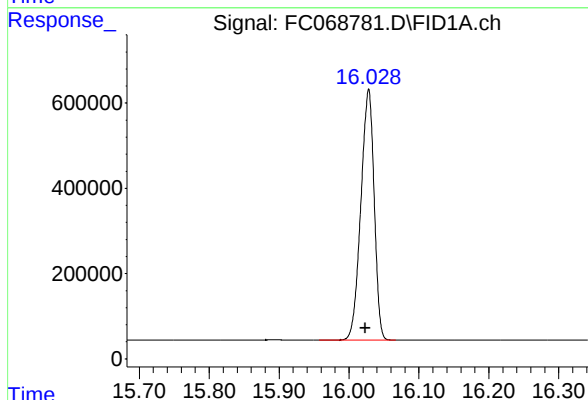
R.T.: 13.902 min
Delta R.T.: 0.005 min
Response: 7786407
Conc: 90.16 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



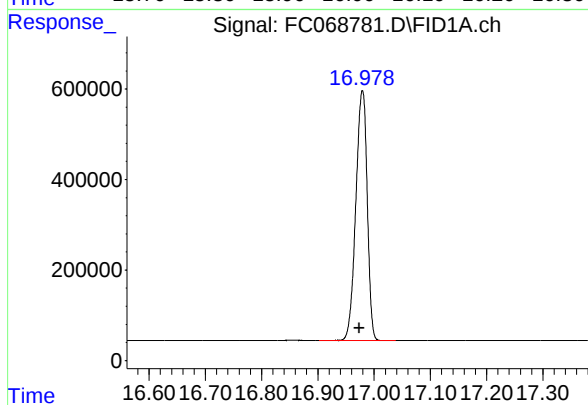
#14 n-Tetracosane (C24)

R.T.: 15.007 min
Delta R.T.: 0.006 min
Response: 7763690
Conc: 90.80 ug/ml



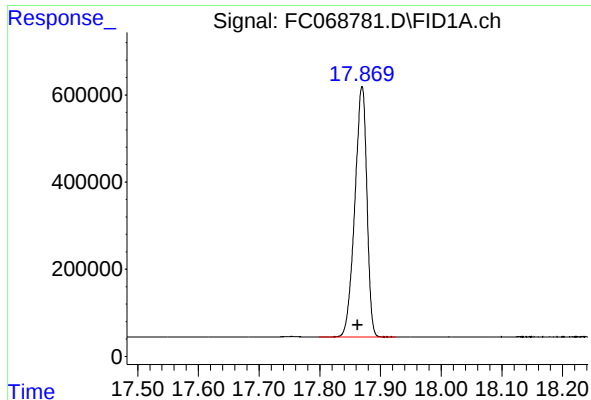
#15 n-Hexacosane (C26)

R.T.: 16.028 min
Delta R.T.: 0.005 min
Response: 7766538
Conc: 91.65 ug/ml



#16 n-Octacosane (C28)

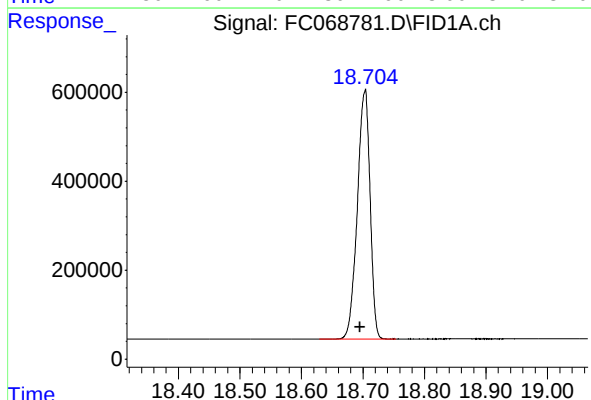
R.T.: 16.979 min
Delta R.T.: 0.005 min
Response: 7770168
Conc: 92.25 ug/ml



#17 n-Tricontane (C30)

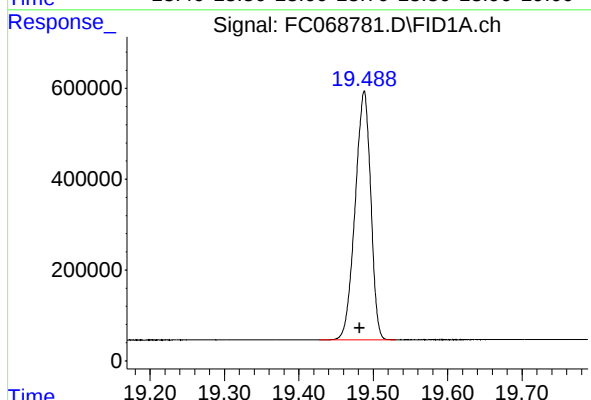
R.T.: 17.869 min
Delta R.T.: 0.007 min
Response: 7942026
Conc: 92.15 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



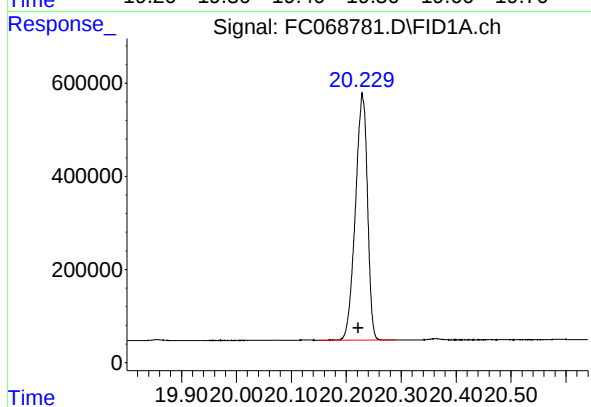
#18 n-Dotriacontane (C32)

R.T.: 18.703 min
Delta R.T.: 0.007 min
Response: 8053843
Conc: 92.13 ug/ml



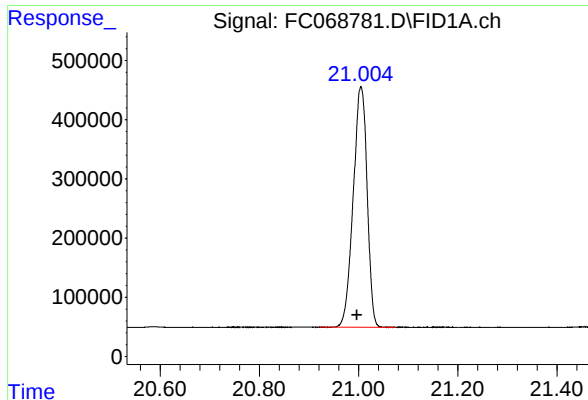
#19 n-Tetatriacontane (C34)

R.T.: 19.488 min
Delta R.T.: 0.006 min
Response: 7971732
Conc: 92.00 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.229 min
Delta R.T.: 0.007 min
Response: 8070568
Conc: 92.07 ug/ml



#21 n-Octatriacontane (C38)

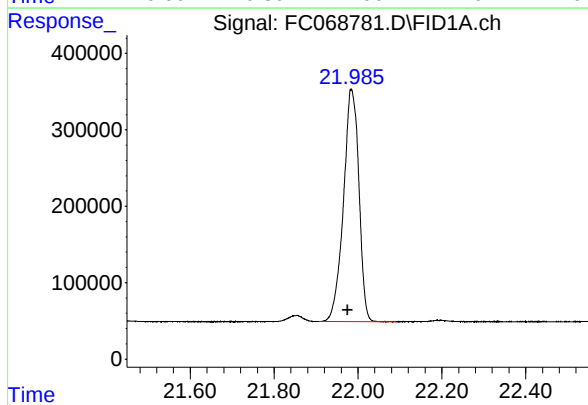
R.T.: 21.005 min
Delta R.T.: 0.008 min
Response: 7905156
Conc: 92.30 ug/ml

Instrument :

FID_C

ClientSampleId :

100 PPM ALIPHATIC HC STD1



#22 n-Tetracontane (C40)

R.T.: 21.984 min
Delta R.T.: 0.009 min
Response: 7777176
Conc: 92.88 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC050625AL\
 Data File : FC068781.D
 Signal(s) : FID1A.ch
 Acq On : 06 May 2025 15:33
 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 050625.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	3.446	3.379	3.486	BV	1129688	9452990	88.65%	5.080%
2	4.522	4.462	4.572	BB	1035042	9350074	87.68%	5.024%
3	6.120	6.060	6.152	BV	1096833	10375040	97.29%	5.575%
4	6.547	6.482	6.590	BB	904836	9077767	85.13%	4.878%
5	7.179	7.130	7.205	BV	1013537	10106516	94.78%	5.431%
6	8.345	8.275	8.384	BB	810803	8598731	80.64%	4.621%
7	9.948	9.875	10.000	BB	775582	8314084	77.97%	4.468%
8	11.393	11.340	11.430	BB	717485	8110111	76.05%	4.358%
9	11.719	11.650	11.759	BB	944228	10663591	100.00%	5.730%
10	12.703	12.634	12.745	BB	638688	7900541	74.09%	4.245%
11	13.148	13.080	13.200	BB	635291	7506812	70.40%	4.034%
12	13.316	13.240	13.372	BB	656730	7834158	73.47%	4.210%
13	13.902	13.825	13.957	BB	619594	7786407	73.02%	4.184%
14	15.007	14.939	15.062	BB	610530	7763690	72.81%	4.172%
15	16.028	15.957	16.067	BB	591954	7766538	72.83%	4.173%
16	16.979	16.902	17.039	BB	553331	7770168	72.87%	4.175%
17	17.869	17.799	17.925	BB	573859	7942026	74.48%	4.268%
18	18.703	18.629	18.754	BB	555957	8053843	75.53%	4.328%
19	19.488	19.427	19.530	BB	547546	7971732	74.76%	4.284%
20	20.229	20.150	20.290	BB	529354	8070568	75.68%	4.337%
21	21.005	20.920	21.075	BB	406107	7905156	74.13%	4.248%
22	21.984	21.907	22.090	VB	302688	7777176	72.93%	4.179%
Sum of corrected areas:						186097717		

Aliphatic EPH 050625.M Wed May 07 09:07:08 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC050625AL\
 Data File : FC068782.D
 Signal(s) : FID1A.ch
 Acq On : 06 May 2025 16:11
 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 07 08:36:38 2025
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System Monitoring Compounds			
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Spiked Amount 50.000		Recovery =	92.21%
12) S 1-chlorooctadecane (S...	13.145	3828109	46.120 ug/ml
Spiked Amount 50.000		Recovery =	92.24%
Target Compounds			
1) T n-Nonane (C9)	3.444	4793918	46.198 ug/ml
2) T n-Decane (C10)	4.519	4749857	46.233 ug/ml
3) T A~Naphthalene (C11.7)	6.116	5278650	46.359 ug/ml
4) T n-Dodecane (C12)	6.545	4624567	46.135 ug/ml
5) T A~2-methylnaphthalene...	7.175	5122386	46.031 ug/ml
6) T n-Tetradecane (C14)	8.342	4394825	46.045 ug/ml
7) T n-Hexadecane (C16)	9.945	4257987	45.888 ug/ml
8) T n-Octadecane (C18)	11.389	4159655	45.839 ug/ml
10) T n-Eicosane (C20)	12.698	4047839	45.948 ug/ml
11) T n-Heneicosane (C21)	13.312	4003168	45.869 ug/ml
13) T n-Docosane (C22)	13.898	3969368	45.962 ug/ml
14) T n-Tetracosane (C24)	15.002	3939821	46.077 ug/ml
15) T n-Hexacosane (C26)	16.024	3918274	46.240 ug/ml
16) T n-Octacosane (C28)	16.976	3897133	46.267 ug/ml
17) T n-Tricontane (C30)	17.865	3988283	46.273 ug/ml
18) T n-Dotriacontane (C32)	18.698	4044691	46.268 ug/ml
19) T n-Tetratriacontane (C34)	19.483	4012023	46.303 ug/ml
20) T n-Hexatriacontane (C36)	20.224	4065667	46.381 ug/ml
21) T n-Octatriacontane (C38)	21.000	3986154	46.544 ug/ml
22) T n-Tetracontane (C40)	21.980	3914742	46.754 ug/ml

(f)=RT Delta > 1/2 Window

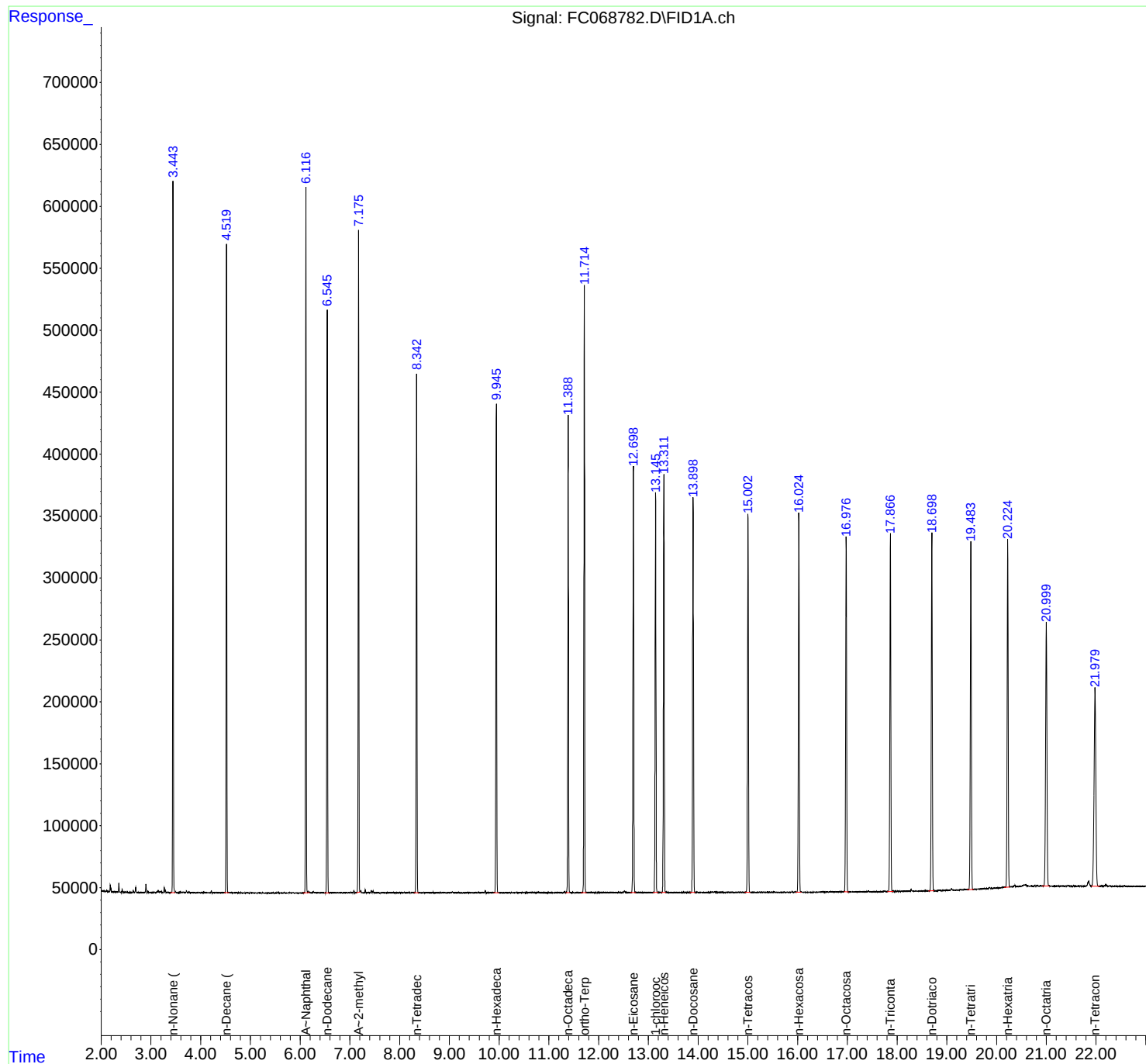
(m)=manual int.

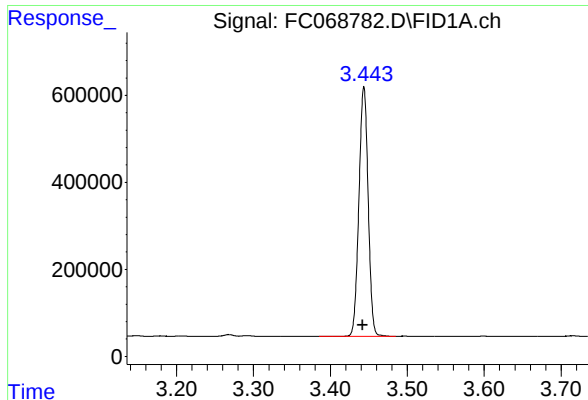
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC050625AL\
Data File : FC068782.D
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Instrument :
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50 PPM ALIPHATIC HC STD2

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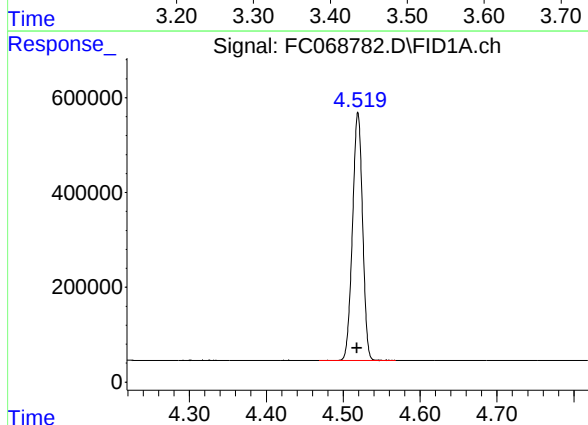




#1 n-Nonane (C9)

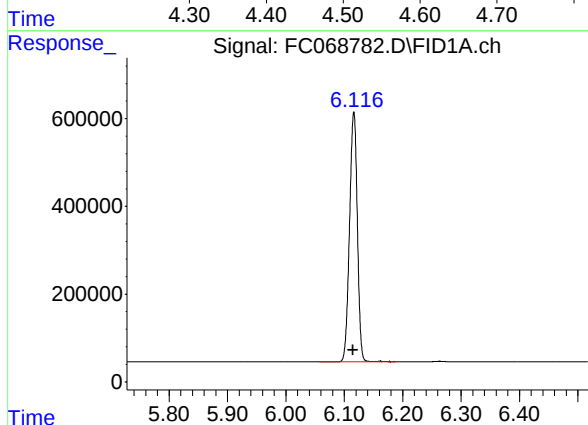
R.T.: 3.444 min
Delta R.T.: 0.002 min
Response: 4793918
Conc: 46.20 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



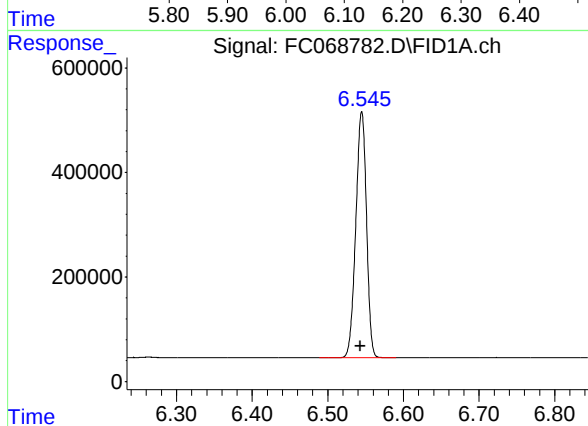
#2 n-Decane (C10)

R.T.: 4.519 min
Delta R.T.: 0.001 min
Response: 4749857
Conc: 46.23 ug/ml



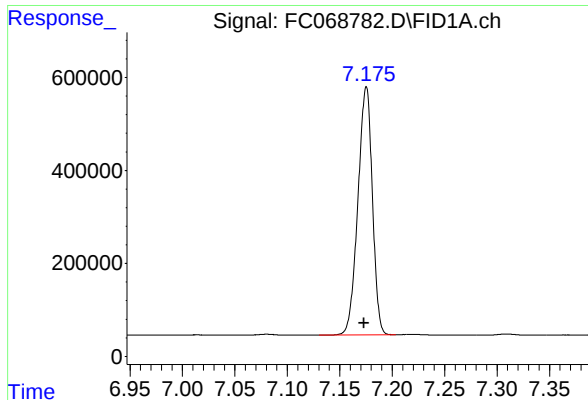
#3 A~Naphthalene (C11.7)

R.T.: 6.116 min
Delta R.T.: 0.002 min
Response: 5278650
Conc: 46.36 ug/ml



#4 n-Dodecane (C12)

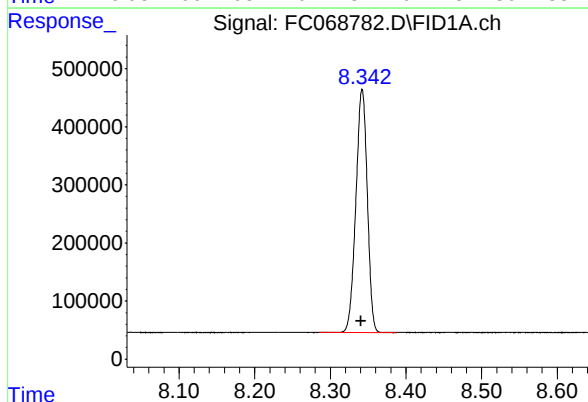
R.T.: 6.545 min
Delta R.T.: 0.002 min
Response: 4624567
Conc: 46.13 ug/ml



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

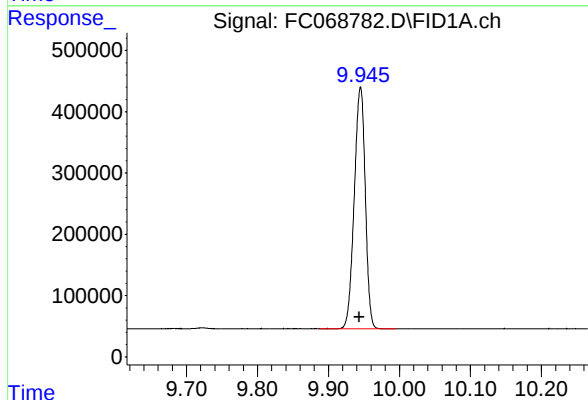
R.T.: 7.175 min
Delta R.T.: 0.002 min
Response: 5122386
Conc: 46.03 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



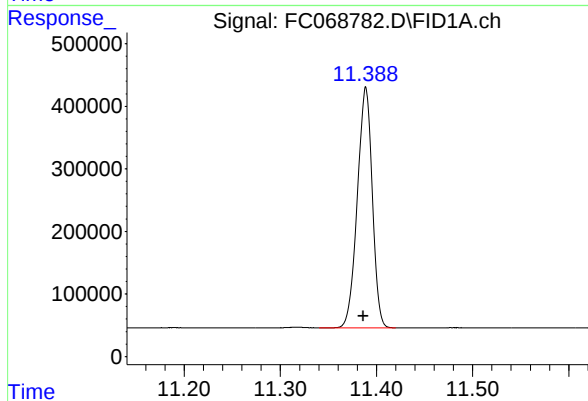
#6 n-Tetradecane (C14)

R.T.: 8.342 min
Delta R.T.: 0.001 min
Response: 4394825
Conc: 46.04 ug/ml



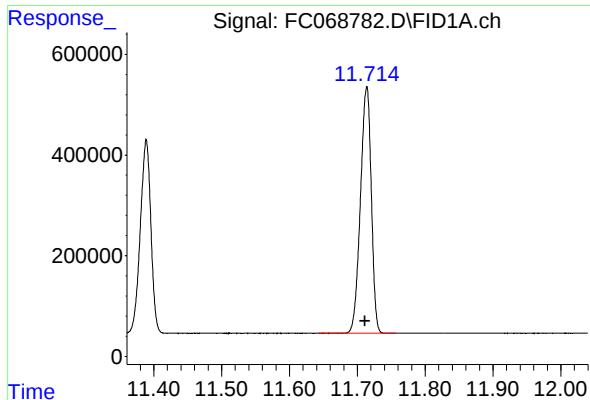
#7 n-Hexadecane (C16)

R.T.: 9.945 min
Delta R.T.: 0.001 min
Response: 4257987
Conc: 45.89 ug/ml



#8 n-Octadecane (C18)

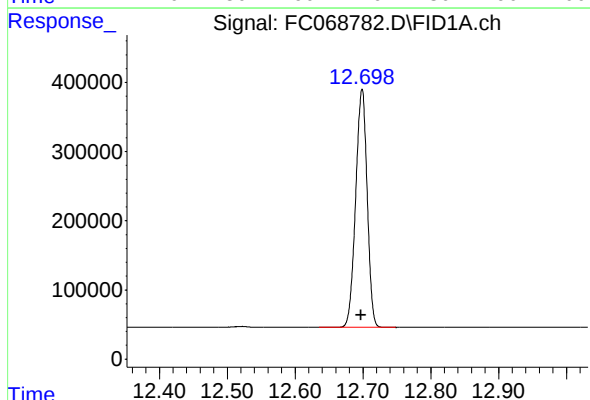
R.T.: 11.389 min
Delta R.T.: 0.003 min
Response: 4159655
Conc: 45.84 ug/ml



#9 ortho-Terphenyl (SURR)

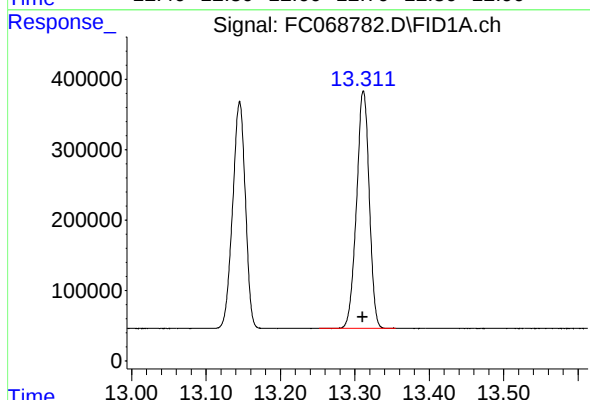
R.T.: 11.714 min
Delta R.T.: 0.003 min
Response: 5441207
Conc: 46.11 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



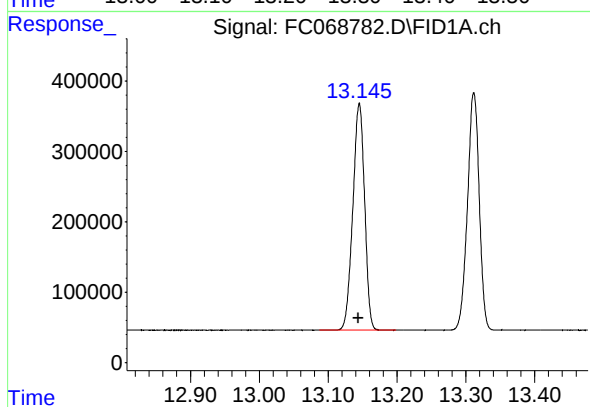
#10 n-Eicosane (C20)

R.T.: 12.698 min
Delta R.T.: 0.001 min
Response: 4047839
Conc: 45.95 ug/ml



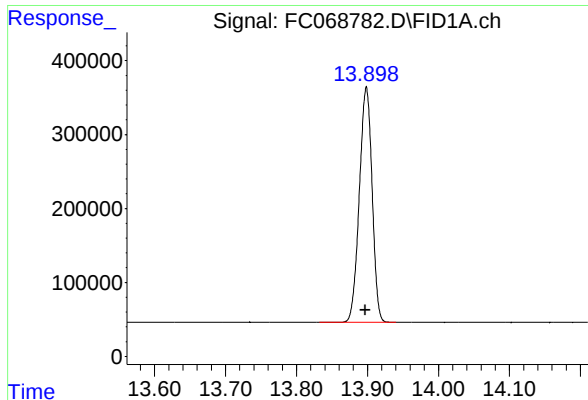
#11 n-Heneicosane (C21)

R.T.: 13.312 min
Delta R.T.: 0.001 min
Response: 4003168
Conc: 45.87 ug/ml



#12 1-chlorooctadecane (SURR)

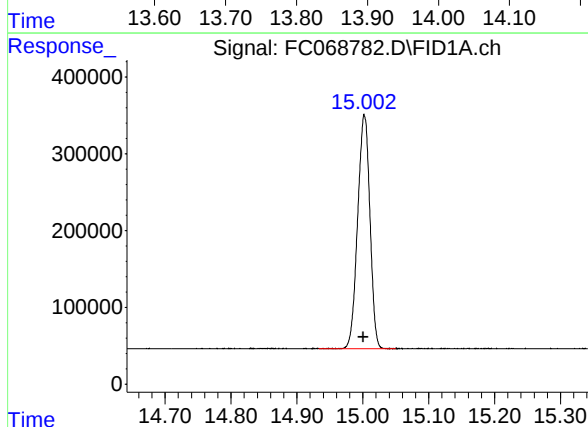
R.T.: 13.145 min
Delta R.T.: 0.001 min
Response: 3828109
Conc: 46.12 ug/ml



#13 n-Docosane (C22)

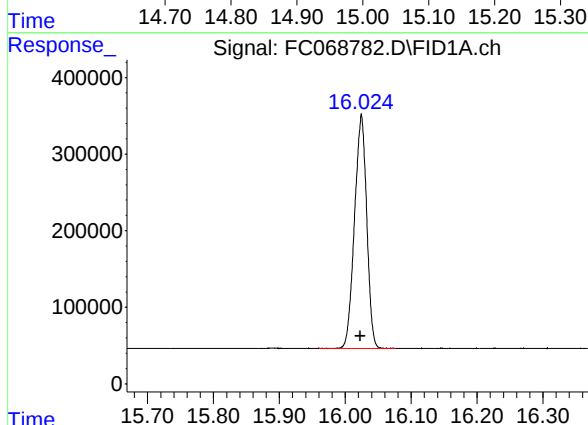
R.T.: 13.898 min
Delta R.T.: 0.002 min
Response: 3969368
Conc: 45.96 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



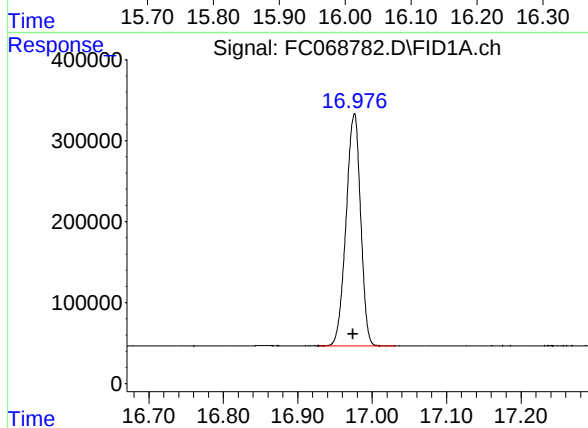
#14 n-Tetracosane (C24)

R.T.: 15.002 min
Delta R.T.: 0.002 min
Response: 3939821
Conc: 46.08 ug/ml



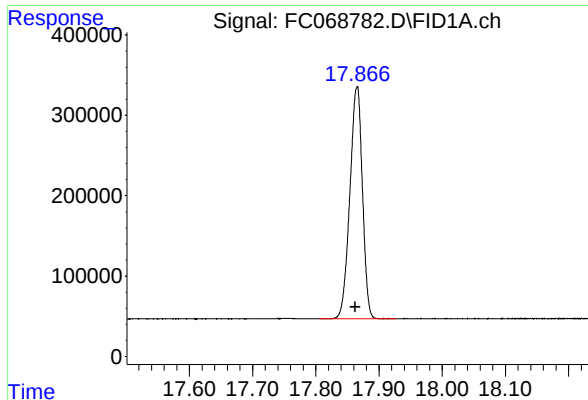
#15 n-Hexacosane (C26)

R.T.: 16.024 min
Delta R.T.: 0.001 min
Response: 3918274
Conc: 46.24 ug/ml



#16 n-Octacosane (C28)

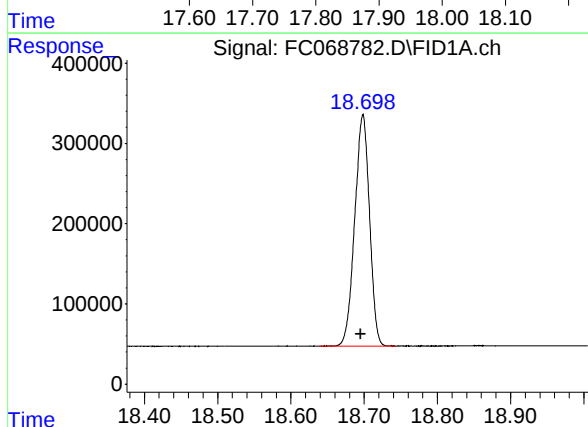
R.T.: 16.976 min
Delta R.T.: 0.002 min
Response: 3897133
Conc: 46.27 ug/ml



#17 n-Tricontane (C30)

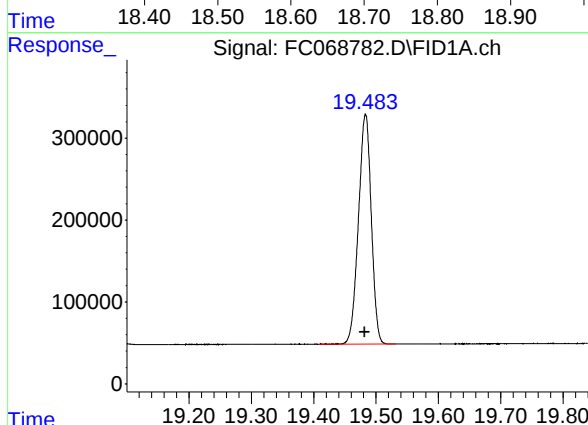
R.T.: 17.865 min
Delta R.T.: 0.003 min
Response: 3988283
Conc: 46.27 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



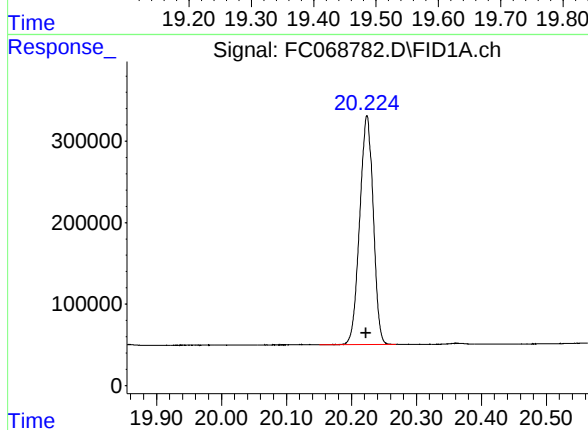
#18 n-Dotriacontane (C32)

R.T.: 18.698 min
Delta R.T.: 0.003 min
Response: 4044691
Conc: 46.27 ug/ml



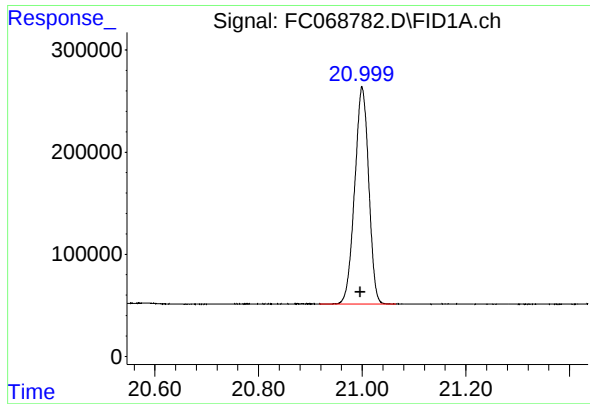
#19 n-Tetratriacontane (C34)

R.T.: 19.483 min
Delta R.T.: 0.001 min
Response: 4012023
Conc: 46.30 ug/ml



#20 n-Hexatriacontane (C36)

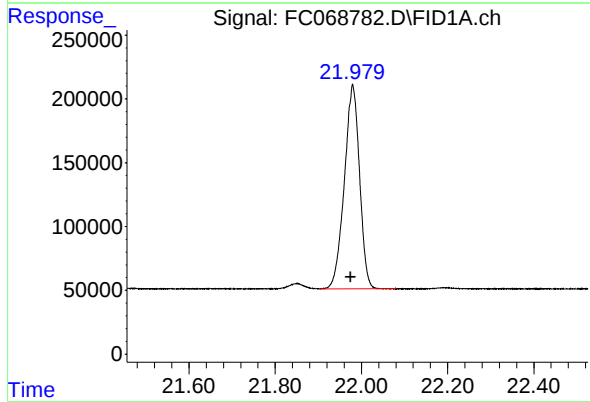
R.T.: 20.224 min
Delta R.T.: 0.001 min
Response: 4065667
Conc: 46.38 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.000 min
Delta R.T.: 0.003 min
Response: 3986154
Conc: 46.54 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



#22 n-Tetracontane (C40)

R.T.: 21.980 min
Delta R.T.: 0.005 min
Response: 3914742
Conc: 46.75 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC050625AL\
Data File : FC068782.D
Signal(s) : FID1A.ch
Acq On : 06 May 2025 16:11
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 050625.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	3.444	3.385	3.485	BV	574667	4793918	88.10%	5.076%
2	4.519	4.469	4.569	BB	523128	4749857	87.29%	5.030%
3	6.116	6.057	6.189	BB	572205	5278650	97.01%	5.590%
4	6.545	6.489	6.590	BB	471329	4624567	84.99%	4.897%
5	7.175	7.130	7.204	BV	535416	5122386	94.14%	5.424%
6	8.342	8.285	8.387	BB	418679	4394825	80.77%	4.654%
7	9.945	9.887	9.995	BB	395436	4257987	78.25%	4.509%
8	11.389	11.340	11.420	BB	385218	4159655	76.45%	4.405%
9	11.714	11.644	11.757	BB	488432	5441207	100.00%	5.762%
10	12.699	12.635	12.749	BB	345120	4047839	74.39%	4.286%
11	13.145	13.087	13.199	BB	322558	3828109	70.35%	4.054%
12	13.312	13.252	13.355	BB	337391	4003168	73.57%	4.239%
13	13.898	13.832	13.940	BB	318990	3969368	72.95%	4.203%
14	15.002	14.934	15.050	BB	305123	3939821	72.41%	4.172%
15	16.024	15.960	16.077	BB	306028	3918274	72.01%	4.149%
16	16.976	16.929	17.032	BB	285617	3897133	71.62%	4.127%
17	17.865	17.805	17.927	BB	288468	3988283	73.30%	4.223%
18	18.698	18.639	18.744	BB	289046	4044691	74.33%	4.283%
19	19.483	19.409	19.532	BB	280526	4012023	73.73%	4.248%
20	20.224	20.150	20.269	BB	281259	4065667	74.72%	4.305%
21	21.000	20.917	21.065	BB	212347	3986154	73.26%	4.221%
22	21.980	21.902	22.080	PB	159997	3914742	71.95%	4.145%
Sum of corrected areas:							94438323	

Aliphatic EPH 050625.M Wed May 07 09:07:49 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC050625AL\
 Data File : FC068783.D
 Signal(s) : FID1A.ch
 Acq On : 06 May 2025 16:48
 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 07 08:37:02 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 050625.M
 Quant Title : GC Extractables
 QLast Update : Wed May 07 08:32:40 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)	11.711	2360314	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
12) S 1-chlorooctadecane (S...	13.144	1660070	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
Target Compounds			
1) T n-Nonane (C9)	3.442	2075388	20.000 ug/ml
2) T n-Decane (C10)	4.518	2054768	20.000 ug/ml
3) T A~Naphthalene (C11.7)	6.115	2277305	20.000 ug/ml
4) T n-Dodecane (C12)	6.543	2004807	20.000 ug/ml
5) T A~2-methylnaphthalene...	7.173	2225640	20.000 ug/ml
6) T n-Tetradecane (C14)	8.341	1908934	20.000 ug/ml
7) T n-Hexadecane (C16)	9.944	1855813	20.000 ug/ml
8) T n-Octadecane (C18)	11.386	1814880	20.000 ug/ml
10) T n-Eicosane (C20)	12.697	1761914	20.000 ug/ml
11) T n-Heneicosane (C21)	13.310	1745475	20.000 ug/ml
13) T n-Docosane (C22)	13.897	1727226	20.000 ug/ml
14) T n-Tetracosane (C24)	15.001	1710088	20.000 ug/ml
15) T n-Hexacosane (C26)	16.023	1694760	20.000 ug/ml
16) T n-Octacosane (C28)	16.974	1684639	20.000 ug/ml
17) T n-Tricontane (C30)	17.862	1723787	20.000 ug/ml
18) T n-Dotriacontane (C32)	18.695	1748360	20.000 ug/ml
19) T n-Tetratriacontane (C34)	19.482	1732928	20.000 ug/ml
20) T n-Hexatriacontane (C36)	20.222	1753150	20.000 ug/ml
21) T n-Octatriacontane (C38)	20.996	1712858	20.000 ug/ml
22) T n-Tetracontane (C40)	21.975	1674622	20.000 ug/ml

(f)=RT Delta > 1/2 Window

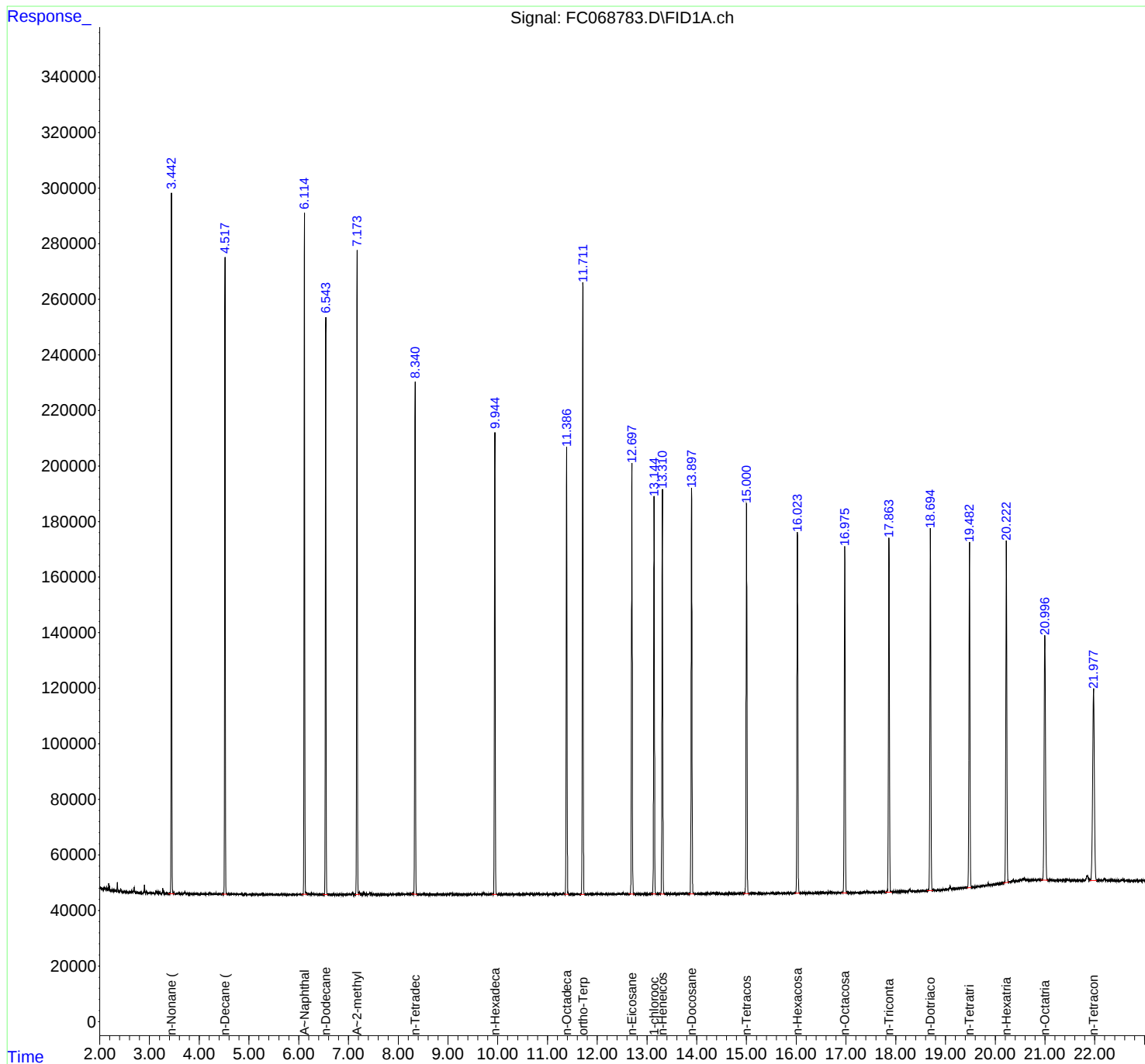
(m)=manual int.

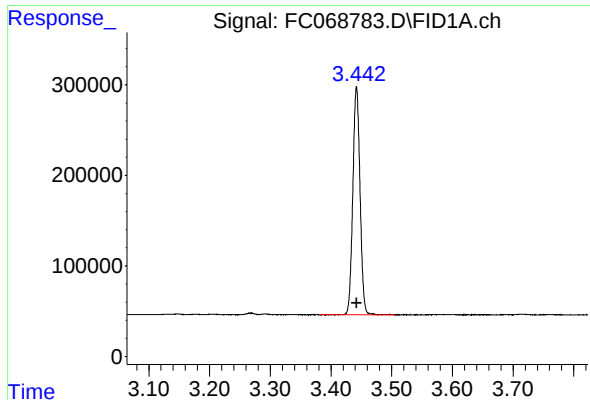
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC050625AL\
Data File : FC068783.D
Signal(s) : FID1A.ch
Acq On : 06 May 2025 16:48
Operator : YP/AJ
Sample : 20 PPM ALIPHATIC HC STD3
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3

Integration File: autoint1.e
Quant Time: May 07 08:37:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 050625.M
Quant Title : GC Extractables
QLast Update : Wed May 07 08:32:40 2025
Response via : Initial Calibration
Integrator: ChemStation

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

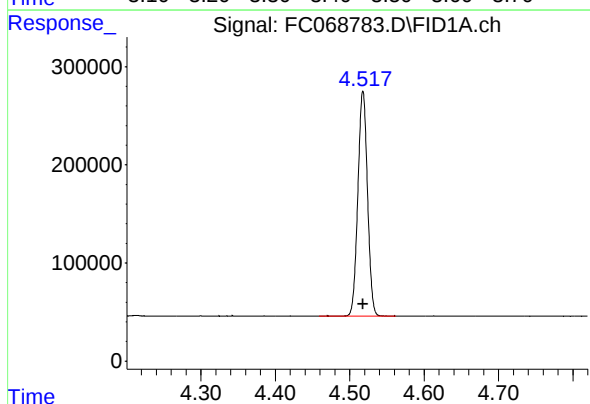




#1 n-Nonane (C9)

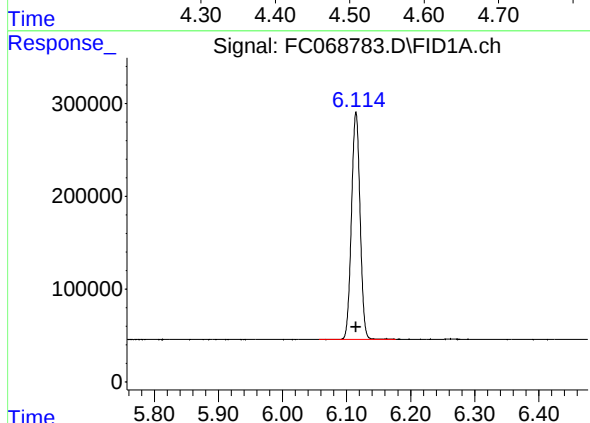
R.T.: 3.442 min
Delta R.T.: 0.000 min
Response: 2075388
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



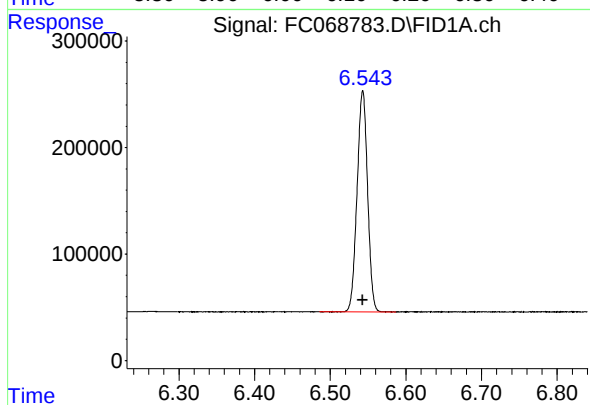
#2 n-Decane (C10)

R.T.: 4.518 min
Delta R.T.: 0.000 min
Response: 2054768
Conc: 20.00 ug/ml



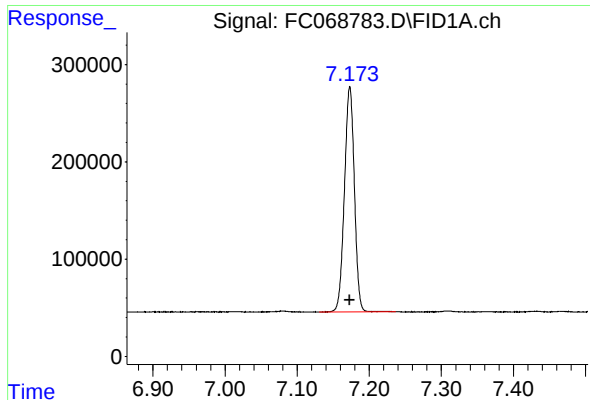
#3 A~Naphthalene (C11.7)

R.T.: 6.115 min
Delta R.T.: 0.000 min
Response: 2277305
Conc: 20.00 ug/ml



#4 n-Dodecane (C12)

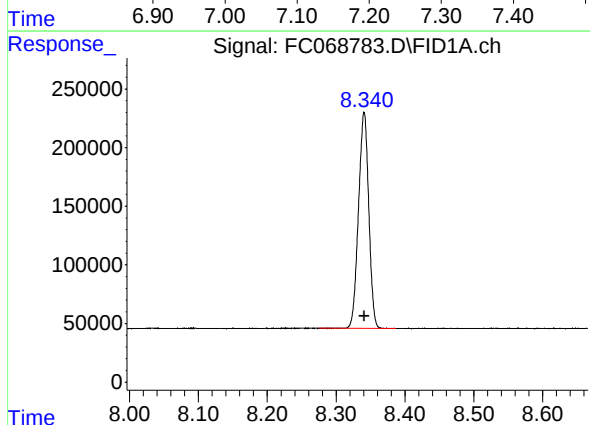
R.T.: 6.543 min
Delta R.T.: 0.000 min
Response: 2004807
Conc: 20.00 ug/ml



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

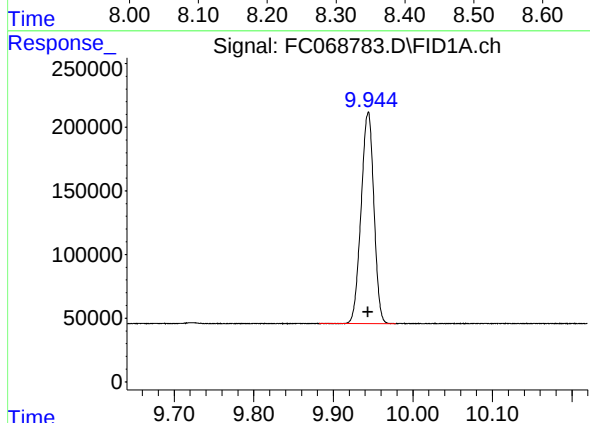
R.T.: 7.173 min
Delta R.T.: 0.000 min
Response: 2225640
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



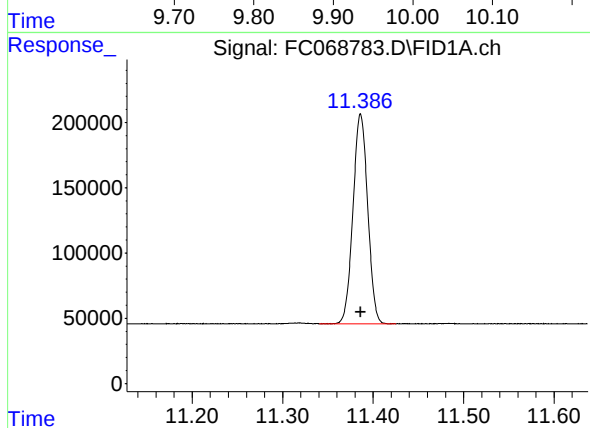
#6 n-Tetradecane (C14)

R.T.: 8.341 min
Delta R.T.: 0.000 min
Response: 1908934
Conc: 20.00 ug/ml



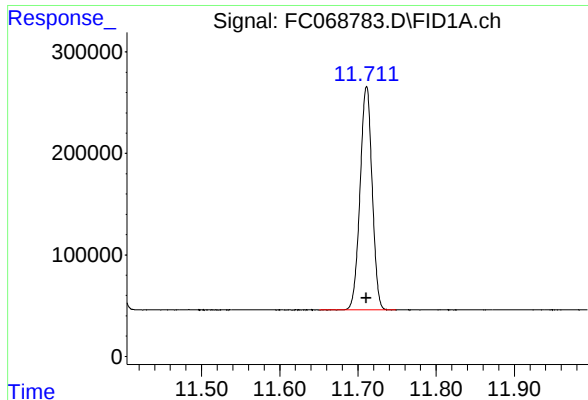
#7 n-Hexadecane (C16)

R.T.: 9.944 min
Delta R.T.: 0.000 min
Response: 1855813
Conc: 20.00 ug/ml



#8 n-Octadecane (C18)

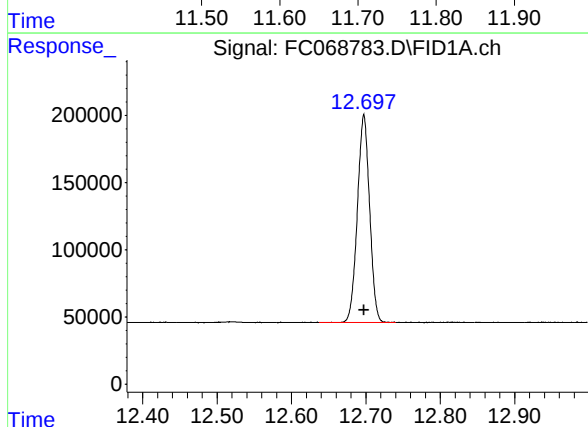
R.T.: 11.386 min
Delta R.T.: 0.000 min
Response: 1814880
Conc: 20.00 ug/ml



#9 ortho-Terphenyl (SURR)

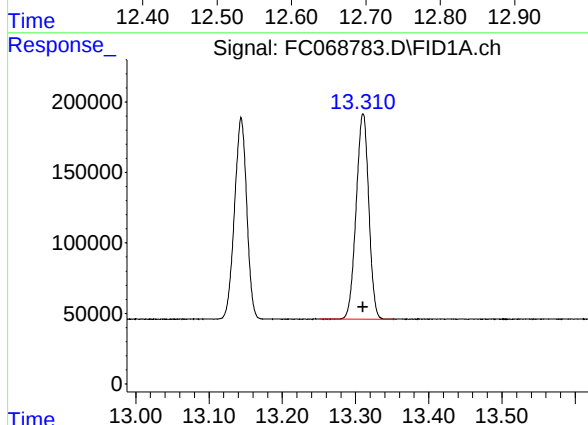
R.T.: 11.711 min
Delta R.T.: 0.000 min
Response: 2360314
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



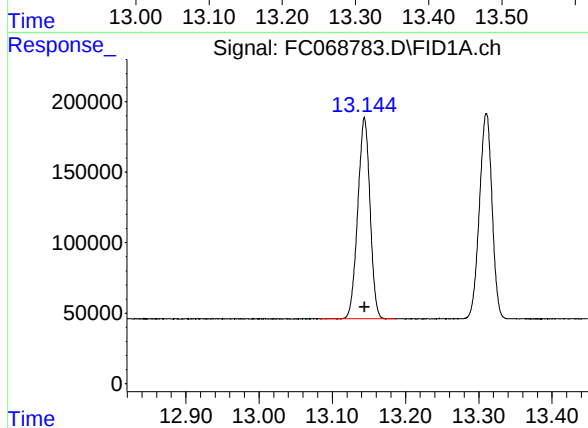
#10 n-Eicosane (C20)

R.T.: 12.697 min
Delta R.T.: 0.000 min
Response: 1761914
Conc: 20.00 ug/ml



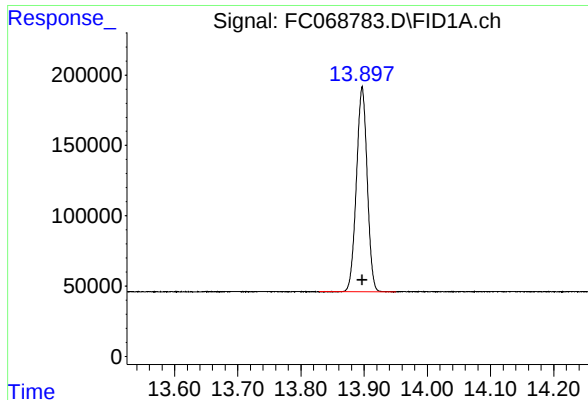
#11 n-Heneicosane (C21)

R.T.: 13.310 min
Delta R.T.: 0.000 min
Response: 1745475
Conc: 20.00 ug/ml



#12 1-chlorooctadecane (SURR)

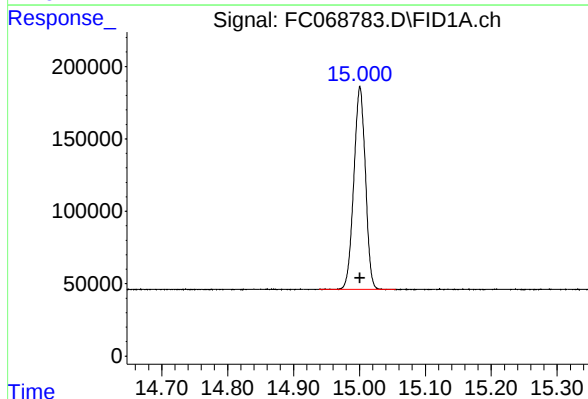
R.T.: 13.144 min
Delta R.T.: 0.000 min
Response: 1660070
Conc: 20.00 ug/ml



#13 n-Docosane (C22)

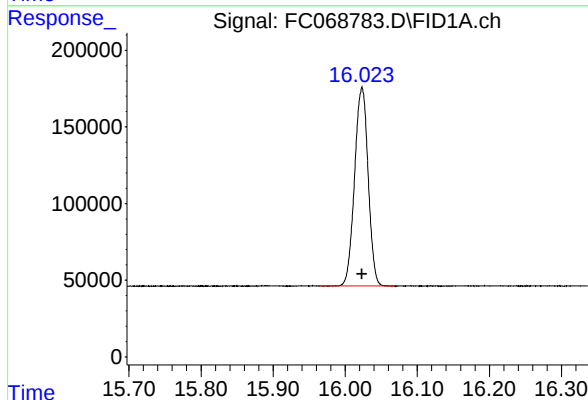
R.T.: 13.897 min
Delta R.T.: 0.000 min
Response: 1727226
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



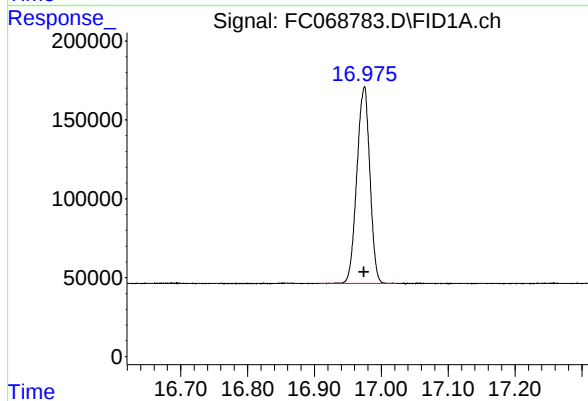
#14 n-Tetracosane (C24)

R.T.: 15.001 min
Delta R.T.: 0.000 min
Response: 1710088
Conc: 20.00 ug/ml



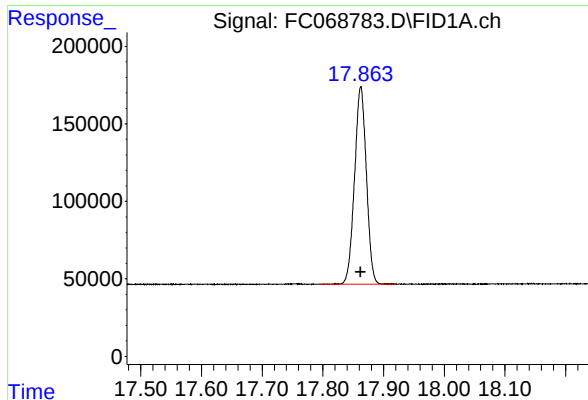
#15 n-Hexacosane (C26)

R.T.: 16.023 min
Delta R.T.: 0.000 min
Response: 1694760
Conc: 20.00 ug/ml



#16 n-Octacosane (C28)

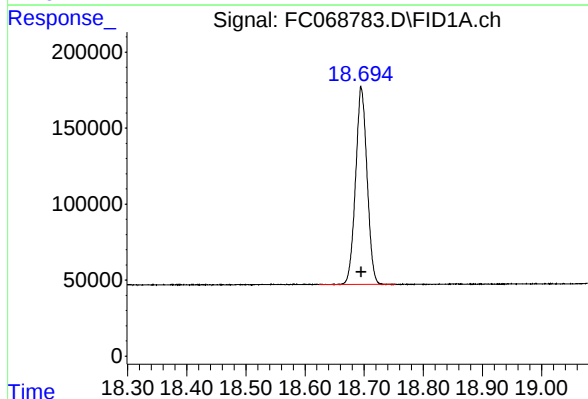
R.T.: 16.974 min
Delta R.T.: 0.000 min
Response: 1684639
Conc: 20.00 ug/ml



#17 n-Tricontane (C30)

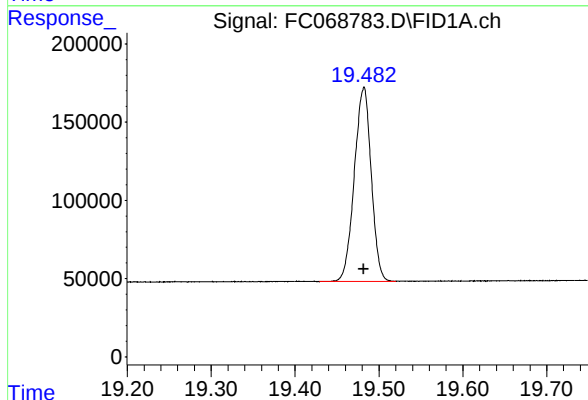
R.T.: 17.862 min
Delta R.T.: 0.000 min
Response: 1723787
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



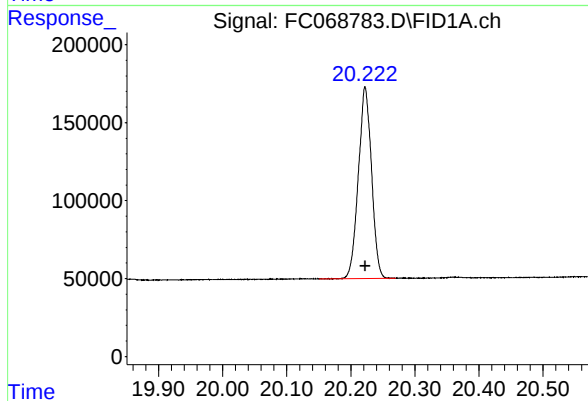
#18 n-Dotriacontane (C32)

R.T.: 18.695 min
Delta R.T.: 0.000 min
Response: 1748360
Conc: 20.00 ug/ml



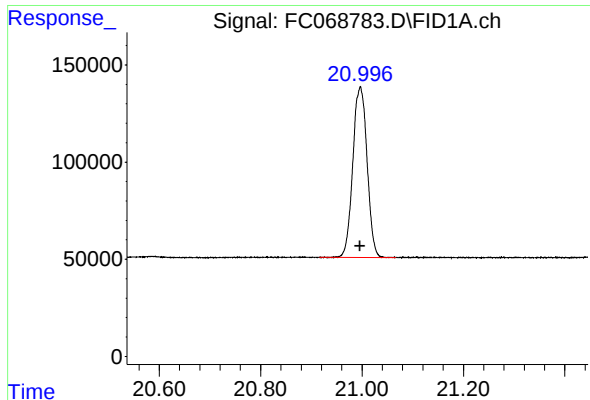
#19 n-Tetratriacontane (C34)

R.T.: 19.482 min
Delta R.T.: 0.000 min
Response: 1732928
Conc: 20.00 ug/ml



#20 n-Hexatriacontane (C36)

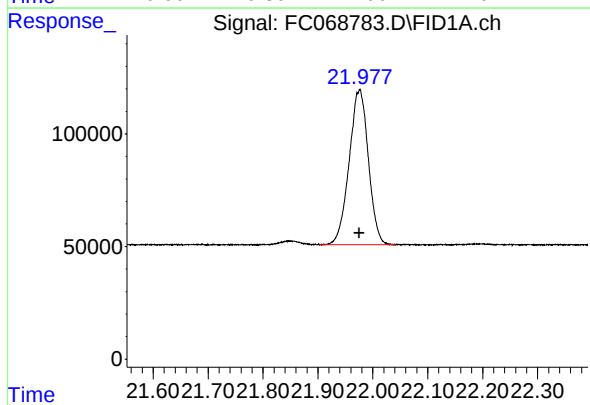
R.T.: 20.222 min
Delta R.T.: 0.000 min
Response: 1753150
Conc: 20.00 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.996 min
Delta R.T.: 0.000 min
Response: 1712858
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



#22 n-Tetracontane (C40)

R.T.: 21.975 min
Delta R.T.: 0.000 min
Response: 1674622
Conc: 20.00 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC050625AL\
Data File : FC068783.D
Signal(s) : FID1A.ch
Acq On : 06 May 2025 16:48
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 050625.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	3.380	3.507	BB	251852	2075388	87.93%	5.073%
2	4.518	4.459	4.562	BB	229508	2054768	87.05%	5.023%
3	6.115	6.057	6.177	BB	245252	2277305	96.48%	5.567%
4	6.543	6.485	6.587	BB	208645	2004807	84.94%	4.901%
5	7.173	7.130	7.237	BB	232123	2225640	94.29%	5.441%
6	8.341	8.275	8.387	BB	184616	1908934	80.88%	4.666%
7	9.944	9.882	9.979	BB	165547	1855813	78.63%	4.537%
8	11.386	11.340	11.425	BB	160482	1814880	76.89%	4.437%
9	11.711	11.650	11.749	BB	220270	2360314	100.00%	5.770%
10	12.697	12.637	12.740	BB	154757	1761914	74.65%	4.307%
11	13.144	13.082	13.187	BB	142866	1660070	70.33%	4.058%
12	13.310	13.250	13.355	BB	145962	1745475	73.95%	4.267%
13	13.897	13.829	13.950	BB	145860	1727226	73.18%	4.222%
14	15.001	14.939	15.055	BB	140132	1710088	72.45%	4.180%
15	16.023	15.964	16.070	BB	129921	1694760	71.80%	4.143%
16	16.974	16.907	17.022	BB	124139	1684639	71.37%	4.118%
17	17.862	17.794	17.920	BB	127255	1723787	73.03%	4.214%
18	18.695	18.624	18.754	BB	129041	1748360	74.07%	4.274%
19	19.482	19.429	19.520	BB	124106	1732928	73.42%	4.236%
20	20.222	20.150	20.270	BB	122758	1753150	74.28%	4.286%
21	20.996	20.915	21.067	BB	88216	1712858	72.57%	4.187%
22	21.975	21.902	22.042	BB	68753	1674622	70.95%	4.094%
Sum of corrected areas:							40907725	

Aliphatic EPH 050625.M Wed May 07 09:08:12 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC050625AL\
 Data File : FC068784.D
 Signal(s) : FID1A.ch
 Acq On : 06 May 2025 17:26
 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 07 08:37:27 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 050625.M
 Quant Title : GC Extractables
 QLast Update : Wed May 07 08:32:40 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)	11.709	1229812	10.421 ug/ml
Spiked Amount 50.000		Recovery =	20.84%
12) S 1-chlorooctadecane (S...	13.143	860839	10.371 ug/ml
Spiked Amount 50.000		Recovery =	20.74%
Target Compounds			
1) T n-Nonane (C9)	3.442	1080668	10.414 ug/ml
2) T n-Decane (C10)	4.517	1070751	10.422 ug/ml
3) T A~Naphthalene (C11.7)	6.115	1184915	10.406 ug/ml
4) T n-Dodecane (C12)	6.542	1043863	10.414 ug/ml
5) T A~2-methylnaphthalene...	7.172	1152025	10.352 ug/ml
6) T n-Tetradecane (C14)	8.340	994145	10.416 ug/ml
7) T n-Hexadecane (C16)	9.942	961946	10.367 ug/ml
8) T n-Octadecane (C18)	11.385	941672	10.377 ug/ml
10) T n-Eicosane (C20)	12.697	914473	10.380 ug/ml
11) T n-Heneicosane (C21)	13.309	905554	10.376 ug/ml
13) T n-Docosane (C22)	13.895	899148	10.411 ug/ml
14) T n-Tetracosane (C24)	15.000	894756	10.464 ug/ml
15) T n-Hexacosane (C26)	16.022	892257	10.530 ug/ml
16) T n-Octacosane (C28)	16.973	891896	10.589 ug/ml
17) T n-Tricontane (C30)	17.862	915267	10.619 ug/ml
18) T n-Dotriacontane (C32)	18.696	933373	10.677 ug/ml
19) T n-Tetratriacontane (C34)	19.481	923565	10.659 ug/ml
20) T n-Hexatriacontane (C36)	20.221	931989	10.632 ug/ml
21) T n-Octatriacontane (C38)	20.996	908621	10.609 ug/ml
22) T n-Tetracontane (C40)	21.971	883098	10.547 ug/ml

(f)=RT Delta > 1/2 Window

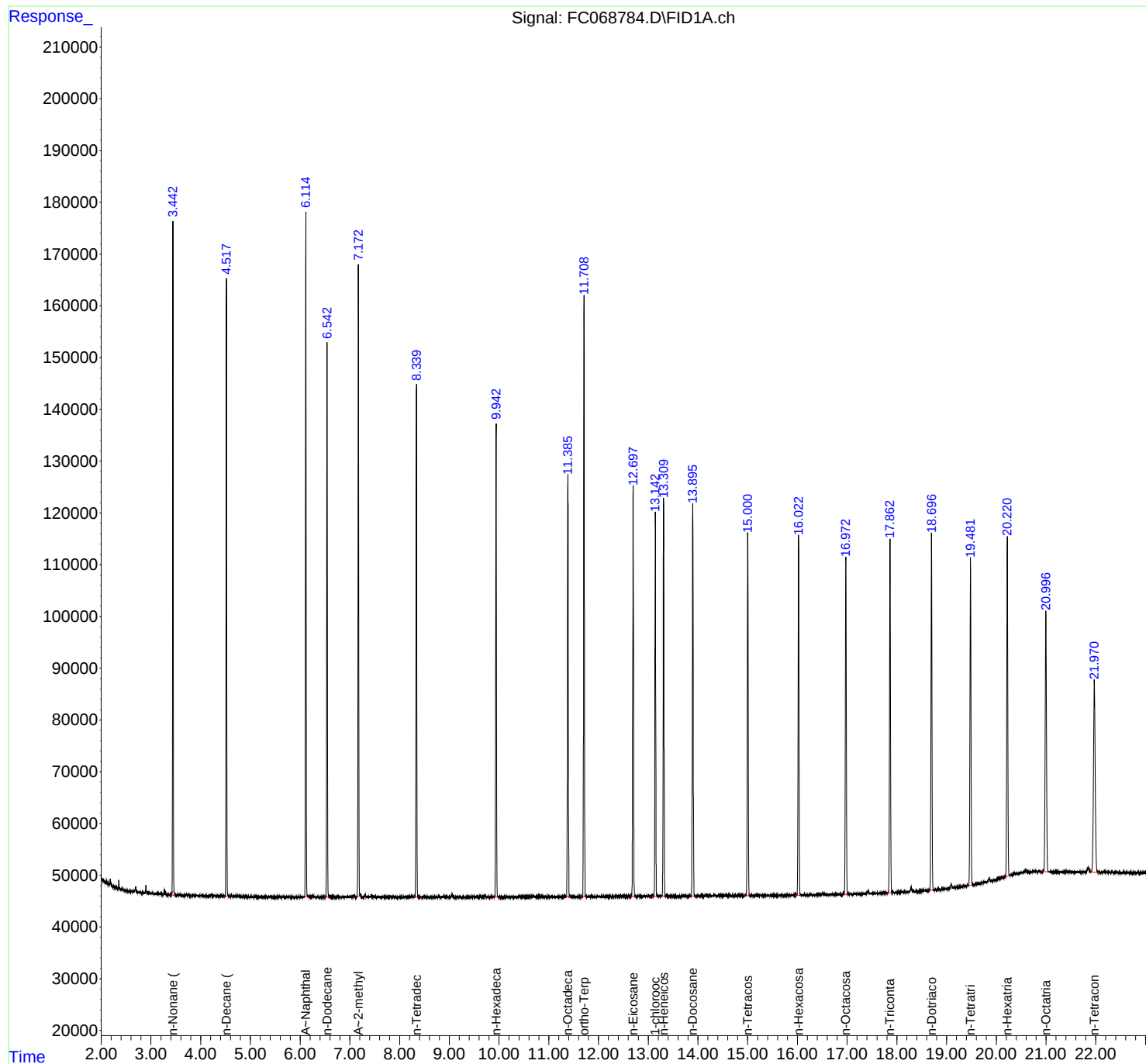
(m)=manual int.

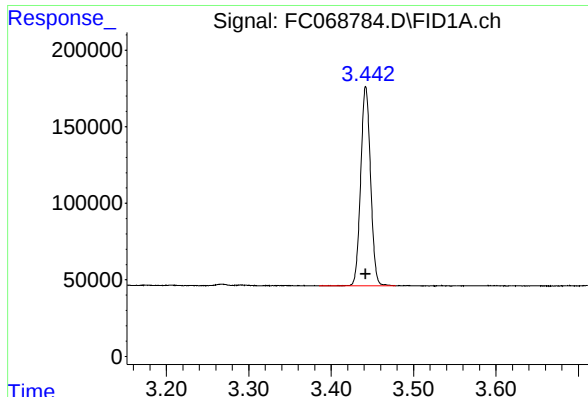
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC050625AL\
Data File : FC068784.D
Signal(s) : FID1A.ch
Acq On : 06 May 2025 17:26
Operator : YP/AJ
Sample : 10 PPM ALIPHATIC HC STD4
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4

Integration File: autoint1.e
Quant Time: May 07 08:37:27 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 050625.M
Quant Title : GC Extractables
QLast Update : Wed May 07 08:32:40 2025
Response via : Initial Calibration
Integrator: ChemStation

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

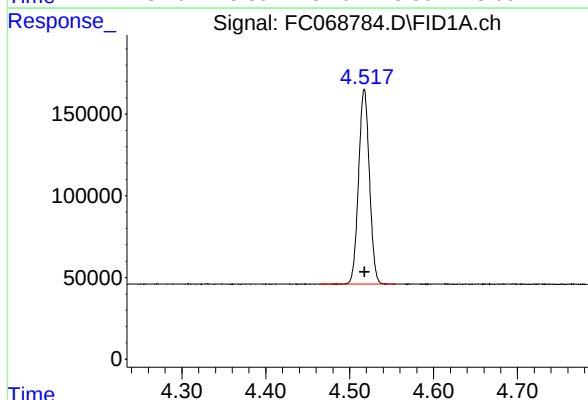




#1 n-Nonane (C9)

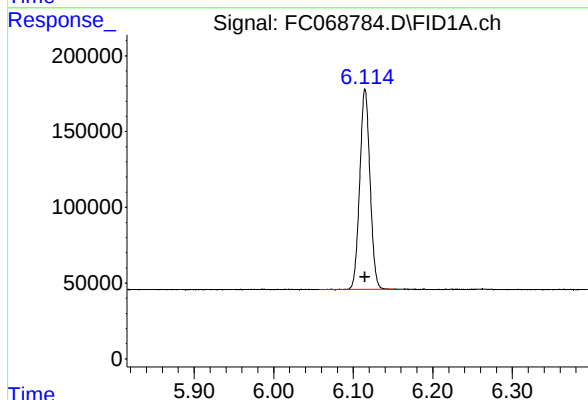
R.T.: 3.442 min
Delta R.T.: 0.000 min
Response: 1080668
Conc: 10.41 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



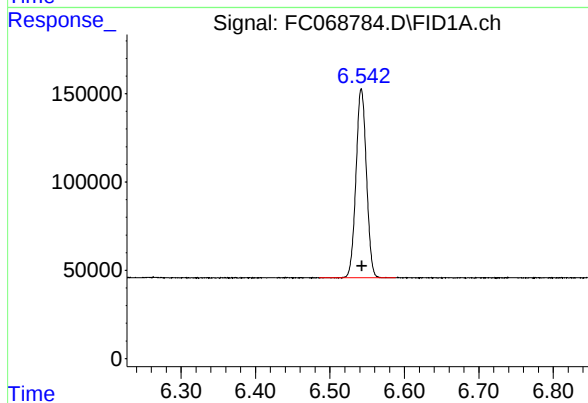
#2 n-Decane (C10)

R.T.: 4.517 min
Delta R.T.: 0.000 min
Response: 1070751
Conc: 10.42 ug/ml



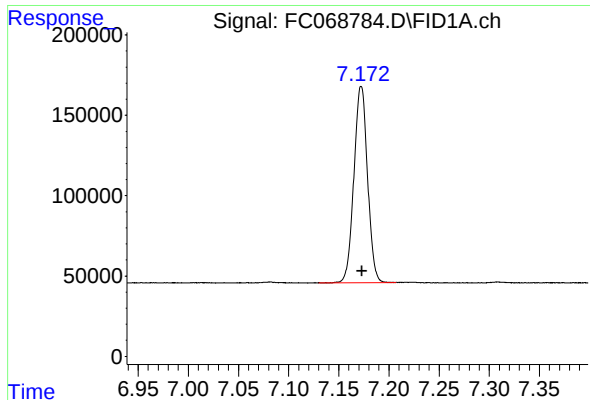
#3 A~Naphthalene (C11.7)

R.T.: 6.115 min
Delta R.T.: 0.000 min
Response: 1184915
Conc: 10.41 ug/ml



#4 n-Dodecane (C12)

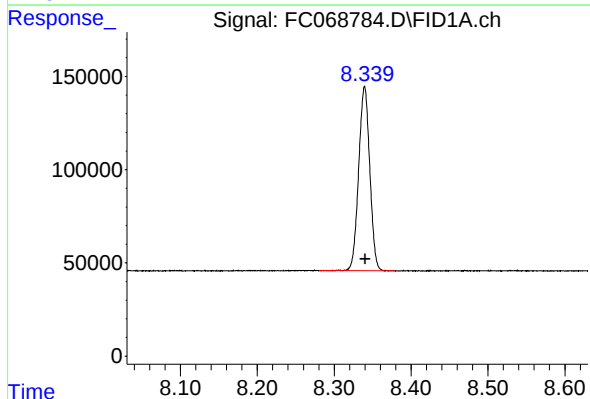
R.T.: 6.542 min
Delta R.T.: 0.000 min
Response: 1043863
Conc: 10.41 ug/ml



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

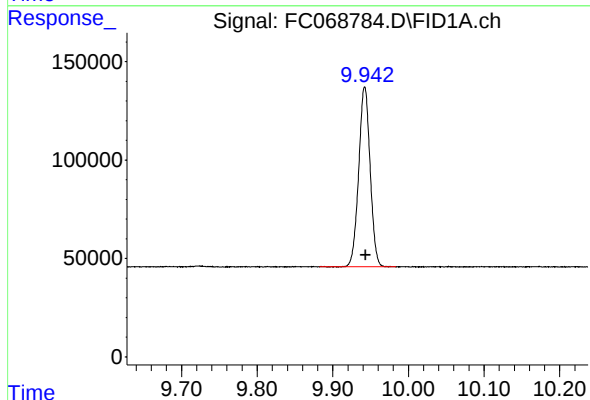
R.T.: 7.172 min
Delta R.T.: 0.000 min
Response: 1152025
Conc: 10.35 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



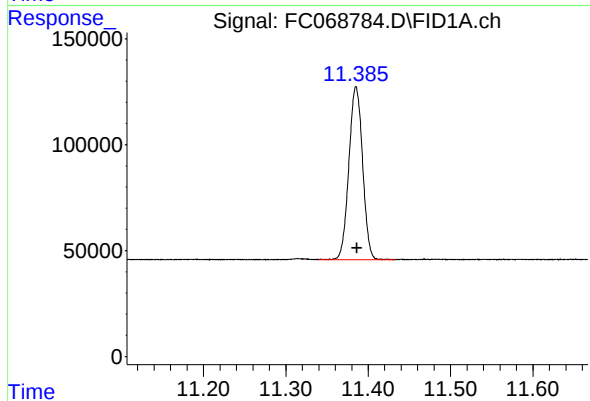
#6 n-Tetradecane (C14)

R.T.: 8.340 min
Delta R.T.: -0.001 min
Response: 994145
Conc: 10.42 ug/ml



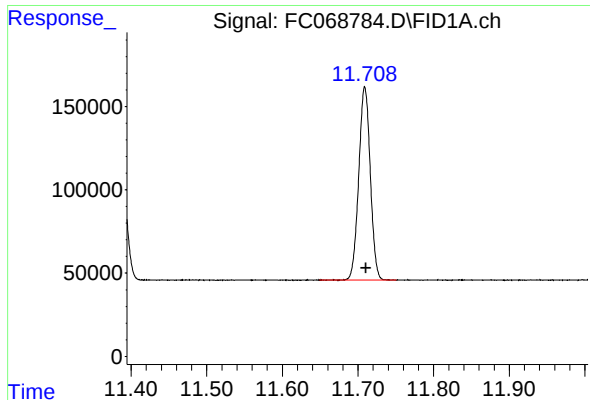
#7 n-Hexadecane (C16)

R.T.: 9.942 min
Delta R.T.: -0.001 min
Response: 961946
Conc: 10.37 ug/ml



#8 n-Octadecane (C18)

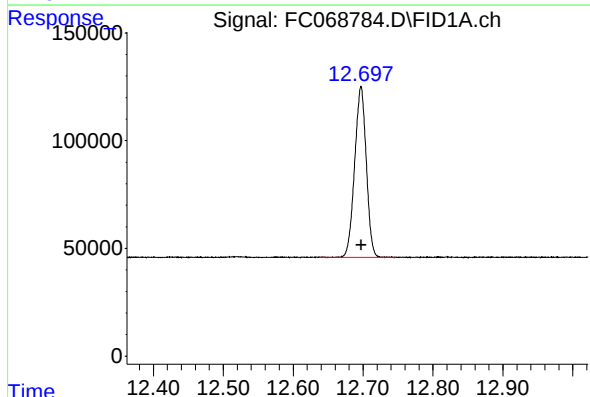
R.T.: 11.385 min
Delta R.T.: 0.000 min
Response: 941672
Conc: 10.38 ug/ml



#9 ortho-Terphenyl (SURR)

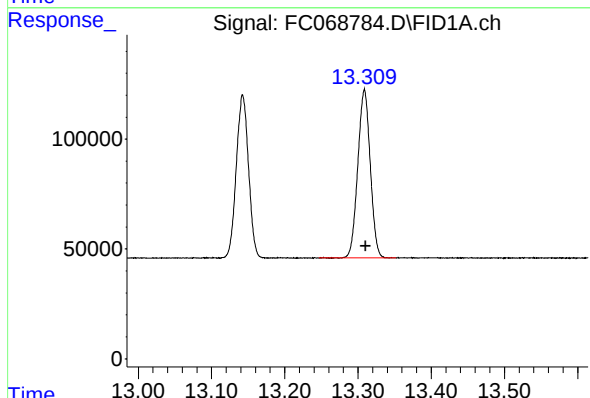
R.T.: 11.709 min
Delta R.T.: -0.002 min
Response: 1229812
Conc: 10.42 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



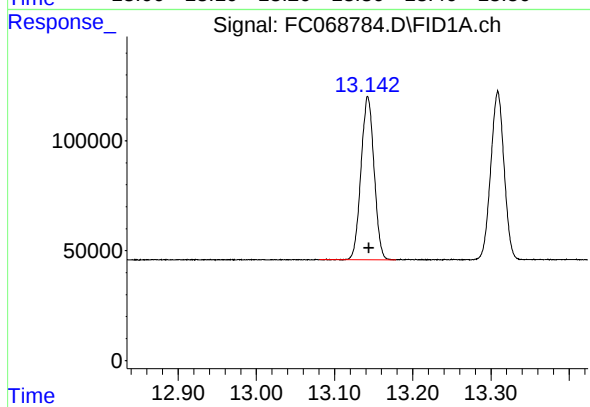
#10 n-Eicosane (C20)

R.T.: 12.697 min
Delta R.T.: 0.000 min
Response: 914473
Conc: 10.38 ug/ml



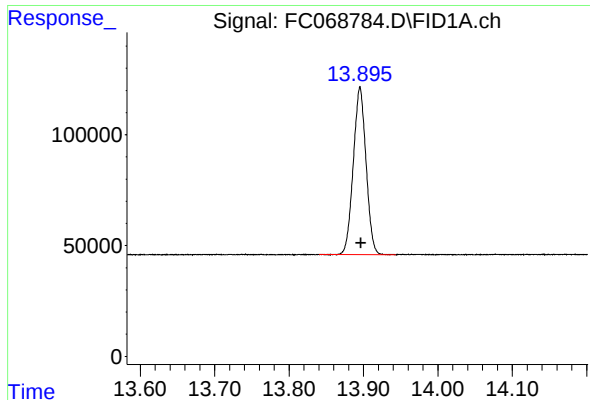
#11 n-Heneicosane (C21)

R.T.: 13.309 min
Delta R.T.: -0.002 min
Response: 905554
Conc: 10.38 ug/ml



#12 1-chlorooctadecane (SURR)

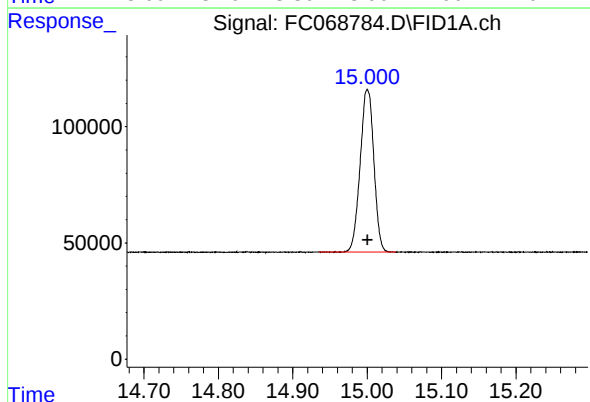
R.T.: 13.143 min
Delta R.T.: -0.001 min
Response: 860839
Conc: 10.37 ug/ml



#13 n-Docosane (C22)

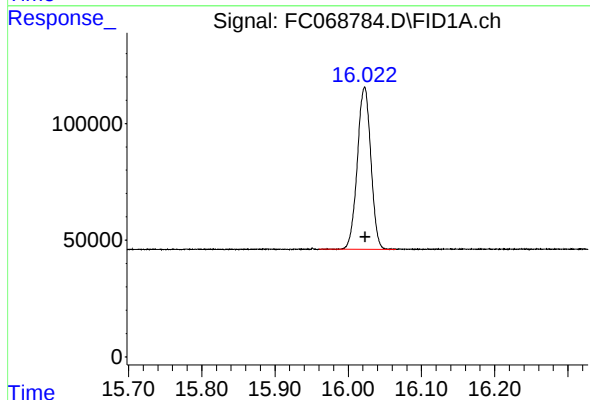
R.T.: 13.895 min
Delta R.T.: -0.001 min
Response: 899148
Conc: 10.41 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



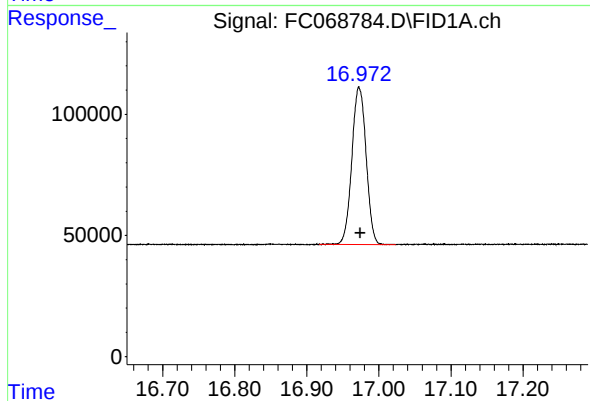
#14 n-Tetracosane (C24)

R.T.: 15.000 min
Delta R.T.: 0.000 min
Response: 894756
Conc: 10.46 ug/ml



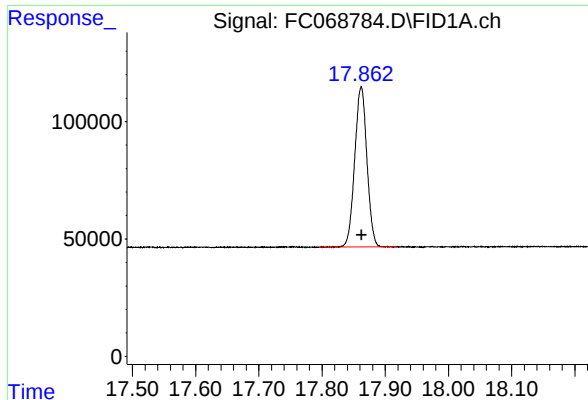
#15 n-Hexacosane (C26)

R.T.: 16.022 min
Delta R.T.: -0.001 min
Response: 892257
Conc: 10.53 ug/ml



#16 n-Octacosane (C28)

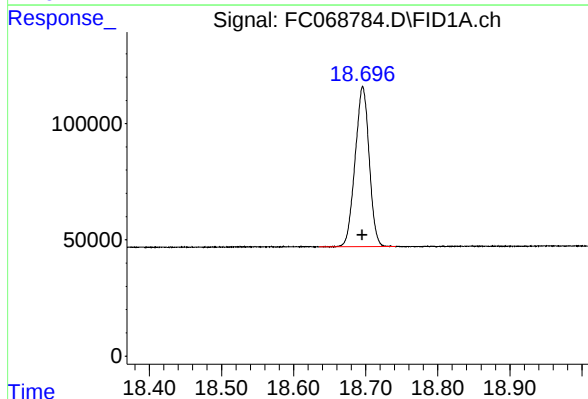
R.T.: 16.973 min
Delta R.T.: -0.001 min
Response: 891896
Conc: 10.59 ug/ml



#17 n-Tricontane (C30)

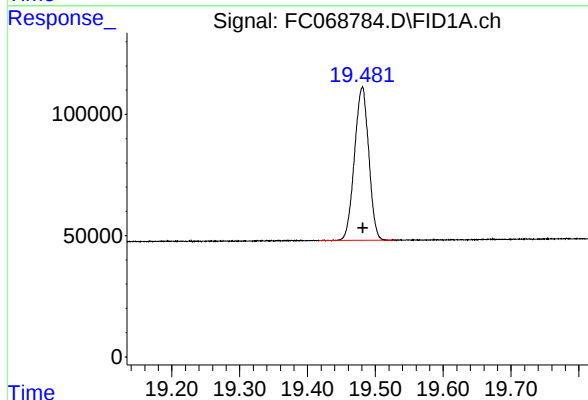
R.T.: 17.862 min
Delta R.T.: 0.000 min
Response: 915267
Conc: 10.62 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



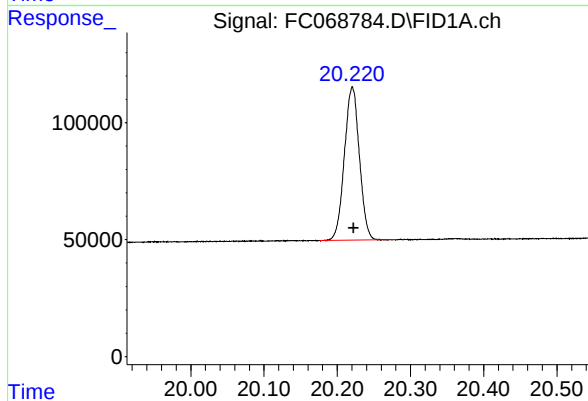
#18 n-Dotriacontane (C32)

R.T.: 18.696 min
Delta R.T.: 0.000 min
Response: 933373
Conc: 10.68 ug/ml



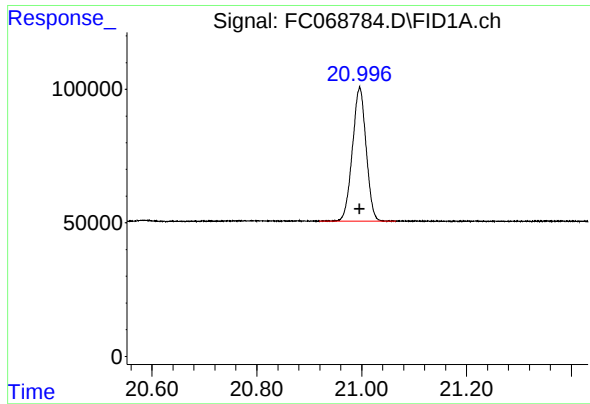
#19 n-Tetratriacontane (C34)

R.T.: 19.481 min
Delta R.T.: -0.001 min
Response: 923565
Conc: 10.66 ug/ml



#20 n-Hexatriacontane (C36)

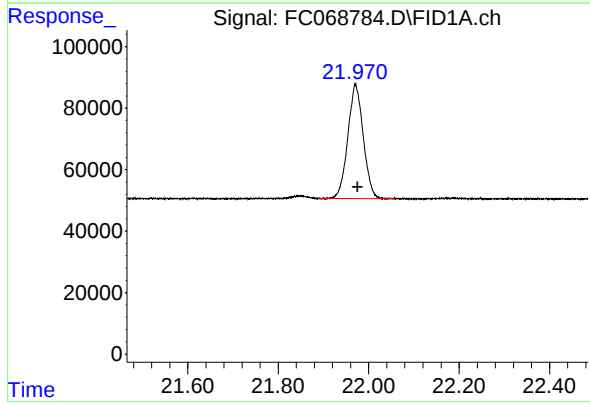
R.T.: 20.221 min
Delta R.T.: -0.002 min
Response: 931989
Conc: 10.63 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.996 min
Delta R.T.: 0.000 min
Response: 908621
Conc: 10.61 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



#22 n-Tetracontane (C40)

R.T.: 21.971 min
Delta R.T.: -0.004 min
Response: 883098
Conc: 10.55 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC050625AL\
Data File : FC068784.D
Signal(s) : FID1A.ch
Acq On : 06 May 2025 17:26
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 050625.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	3.385	3.479	BB	130084	1080668	87.87%	5.046%
2	4.517	4.464	4.555	BB	119114	1070751	87.07%	5.000%
3	6.115	6.057	6.154	BB	132196	1184915	96.35%	5.533%
4	6.542	6.485	6.589	BB	106875	1043863	84.88%	4.875%
5	7.172	7.130	7.207	BB	122451	1152025	93.67%	5.380%
6	8.340	8.280	8.380	BB	99151	994145	80.84%	4.642%
7	9.942	9.882	9.984	BB	91549	961946	78.22%	4.492%
8	11.385	11.340	11.434	BB	81573	941672	76.57%	4.397%
9	11.709	11.649	11.750	BB	116052	1229812	100.00%	5.743%
10	12.697	12.637	12.747	BB	79424	914473	74.36%	4.270%
11	13.143	13.080	13.179	BB	74502	860839	70.00%	4.020%
12	13.309	13.247	13.352	BB	76619	905554	73.63%	4.229%
13	13.895	13.840	13.944	BB	75690	899148	73.11%	4.199%
14	15.000	14.935	15.039	BB	69939	894756	72.76%	4.178%
15	16.022	15.960	16.065	BB	69455	892257	72.55%	4.167%
16	16.973	16.917	17.024	BB	64973	891896	72.52%	4.165%
17	17.862	17.795	17.917	BB	68311	915267	74.42%	4.274%
18	18.696	18.635	18.742	BB	68859	933373	75.90%	4.359%
19	19.481	19.417	19.530	BB	63016	923565	75.10%	4.313%
20	20.221	20.175	20.280	BB	65563	931989	75.78%	4.352%
21	20.996	20.919	21.065	BB	50318	908621	73.88%	4.243%
22	21.971	21.890	22.060	BB	37156	883098	71.81%	4.124%
Sum of corrected areas:							21414632	

Aliphatic EPH 050625.M Wed May 07 09:08:31 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC050625AL\
 Data File : FC068785.D
 Signal(s) : FID1A.ch
 Acq On : 06 May 2025 18:03
 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 07 08:37:53 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 050625.M
 Quant Title : GC Extractables
 QLast Update : Wed May 07 08:32:40 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)	11.709	571192	4.840 ug/ml
Spiked Amount 50.000		Recovery =	9.68%
12) S 1-chlorooctadecane (S...	13.142	402064	4.844 ug/ml
Spiked Amount 50.000		Recovery =	9.69%
Target Compounds			
1) T n-Nonane (C9)	3.442	503286	4.850 ug/ml
2) T n-Decane (C10)	4.517	499484	4.862 ug/ml
3) T A~Naphthalene (C11.7)	6.115	548144	4.814 ug/ml
4) T n-Dodecane (C12)	6.542	489960	4.888 ug/ml
5) T A~2-methylnaphthalene...	7.172	533329	4.793 ug/ml
6) T n-Tetradecane (C14)	8.339	466893	4.892 ug/ml
7) T n-Hexadecane (C16)	9.942	452173	4.873 ug/ml
8) T n-Octadecane (C18)	11.386	446925	4.925 ug/ml
10) T n-Eicosane (C20)	12.697	432929	4.914 ug/ml
11) T n-Heneicosane (C21)	13.309	427457	4.898 ug/ml
13) T n-Docosane (C22)	13.896	423815	4.907 ug/ml
14) T n-Tetracosane (C24)	15.000	423107	4.948 ug/ml
15) T n-Hexacosane (C26)	16.022	421364	4.973 ug/ml
16) T n-Octacosane (C28)	16.971	420815	4.996 ug/ml
17) T n-Tricontane (C30)	17.861	430802	4.998 ug/ml
18) T n-Dotriacontane (C32)	18.695	442453	5.061 ug/ml
19) T n-Tetratriacontane (C34)	19.479	435198	5.023 ug/ml
20) T n-Hexatriacontane (C36)	20.220	434336	4.955 ug/ml
21) T n-Octatriacontane (C38)	20.995	420695	4.912 ug/ml
22) T n-Tetracontane (C40)	21.970	408356	4.877 ug/ml

(f)=RT Delta > 1/2 Window

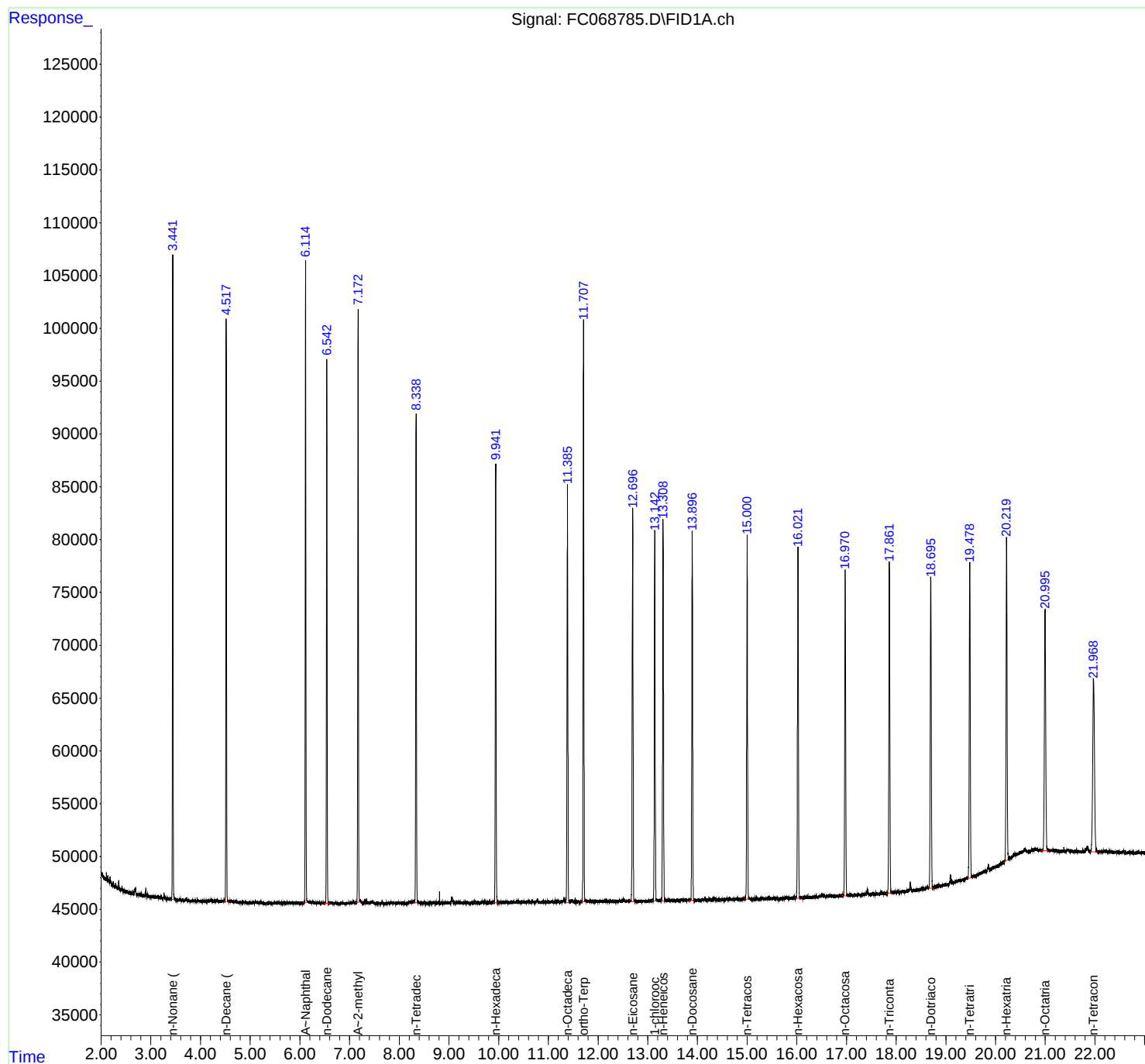
(m)=manual int.

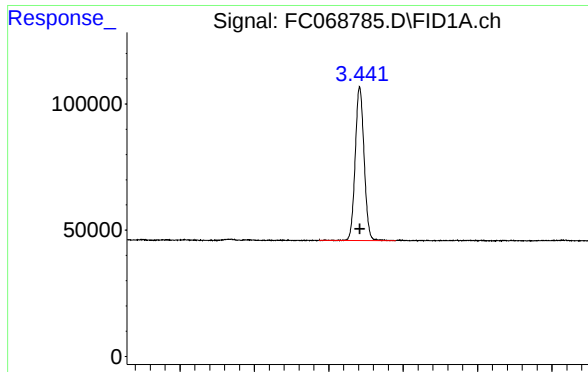
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC050625AL\
Data File : FC068785.D
Signal(s) : FID1A.ch
Acq On : 06 May 2025 18:03
Operator : YP/AJ
Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5

Integration File: autoint1.e
Quant Time: May 07 08:37:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 050625.M
Quant Title : GC Extractables
QLast Update : Wed May 07 08:32:40 2025
Response via : Initial Calibration
Integrator: ChemStation

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

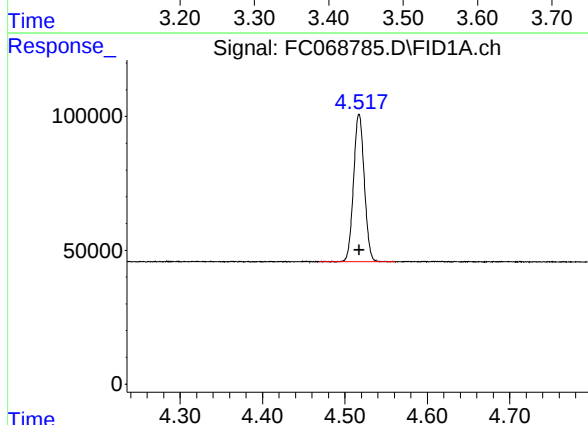




#1 n-Nonane (C9)

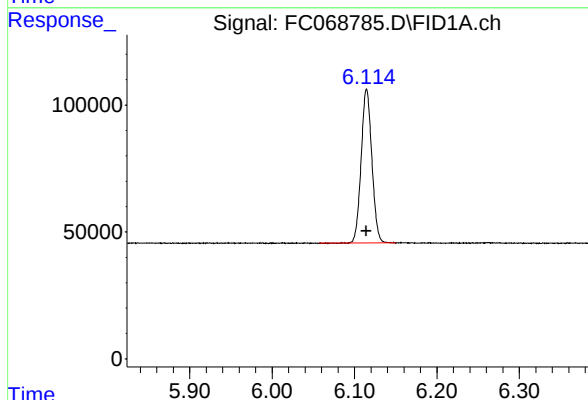
R.T.: 3.442 min
Delta R.T.: 0.000 min
Response: 503286
Conc: 4.85 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



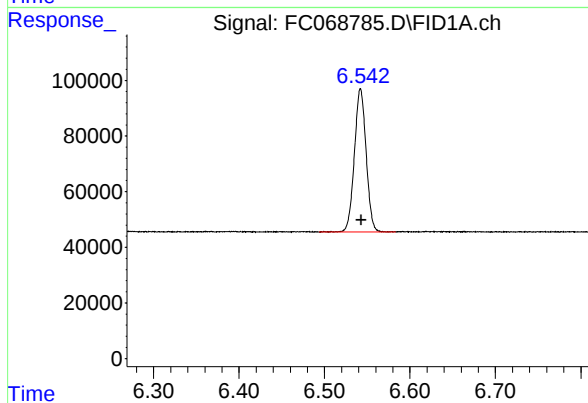
#2 n-Decane (C10)

R.T.: 4.517 min
Delta R.T.: 0.000 min
Response: 499484
Conc: 4.86 ug/ml



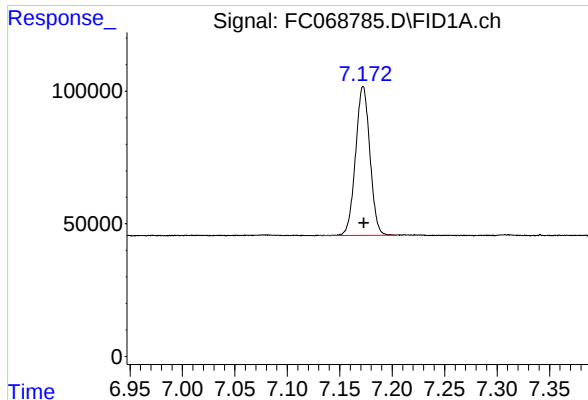
#3 A~Naphthalene (C11.7)

R.T.: 6.115 min
Delta R.T.: 0.000 min
Response: 548144
Conc: 4.81 ug/ml



#4 n-Dodecane (C12)

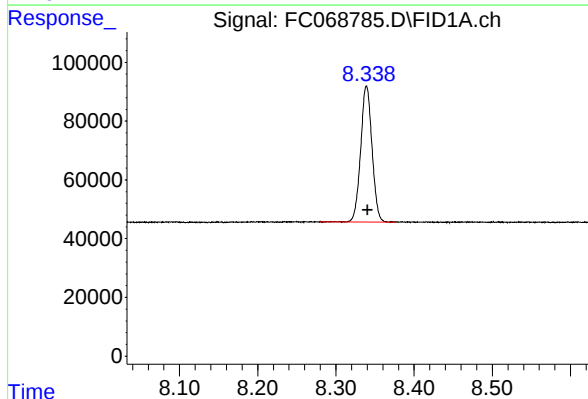
R.T.: 6.542 min
Delta R.T.: 0.000 min
Response: 489960
Conc: 4.89 ug/ml



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

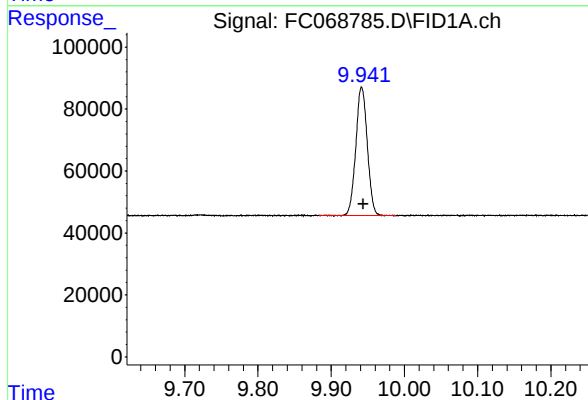
R.T.: 7.172 min
Delta R.T.: 0.000 min
Response: 533329
Conc: 4.79 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



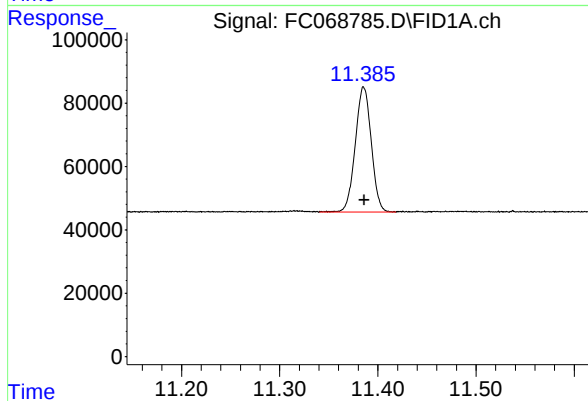
#6 n-Tetradecane (C14)

R.T.: 8.339 min
Delta R.T.: -0.001 min
Response: 466893
Conc: 4.89 ug/ml



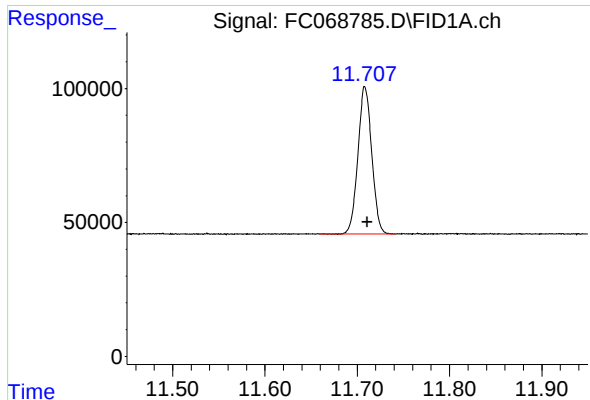
#7 n-Hexadecane (C16)

R.T.: 9.942 min
Delta R.T.: -0.002 min
Response: 452173
Conc: 4.87 ug/ml



#8 n-Octadecane (C18)

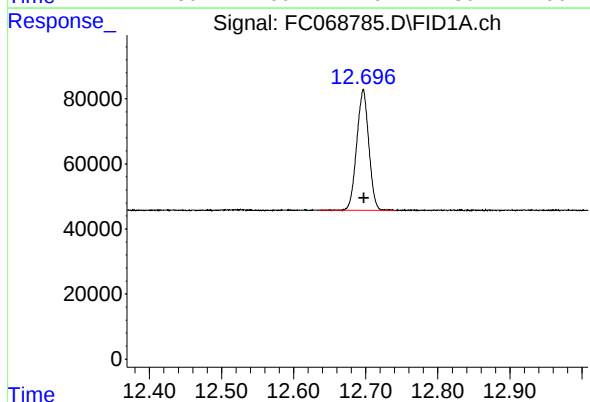
R.T.: 11.386 min
Delta R.T.: 0.000 min
Response: 446925
Conc: 4.93 ug/ml



#9 ortho-Terphenyl (SURR)

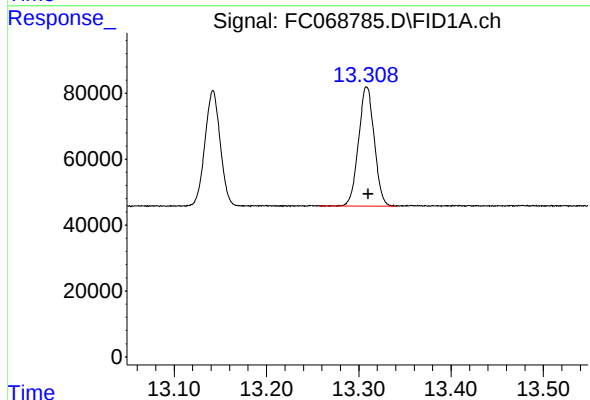
R.T.: 11.709 min
Delta R.T.: -0.002 min
Response: 571192
Conc: 4.84 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



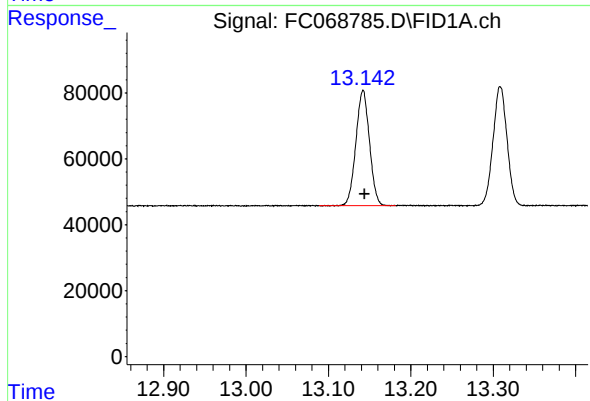
#10 n-Eicosane (C20)

R.T.: 12.697 min
Delta R.T.: 0.000 min
Response: 432929
Conc: 4.91 ug/ml



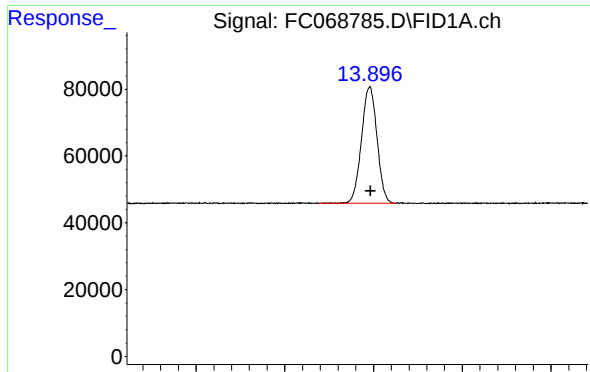
#11 n-Heneicosane (C21)

R.T.: 13.309 min
Delta R.T.: -0.002 min
Response: 427457
Conc: 4.90 ug/ml



#12 1-chlorooctadecane (SURR)

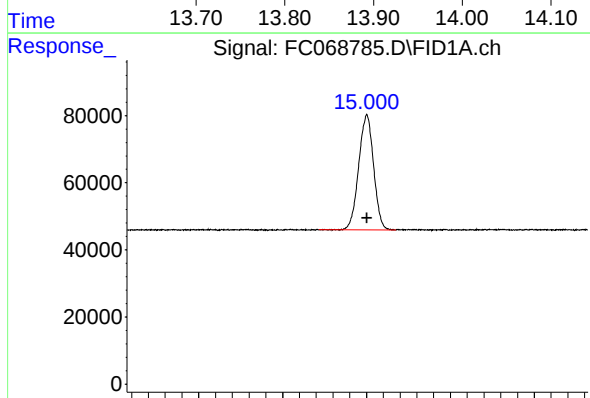
R.T.: 13.142 min
Delta R.T.: -0.002 min
Response: 402064
Conc: 4.84 ug/ml



#13 n-Docosane (C22)

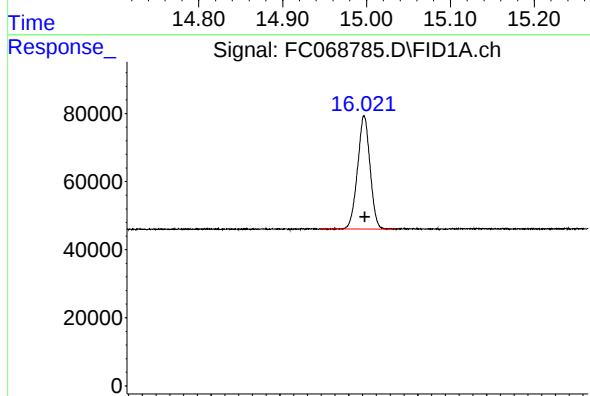
R.T.: 13.896 min
Delta R.T.: -0.001 min
Response: 423815
Conc: 4.91 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



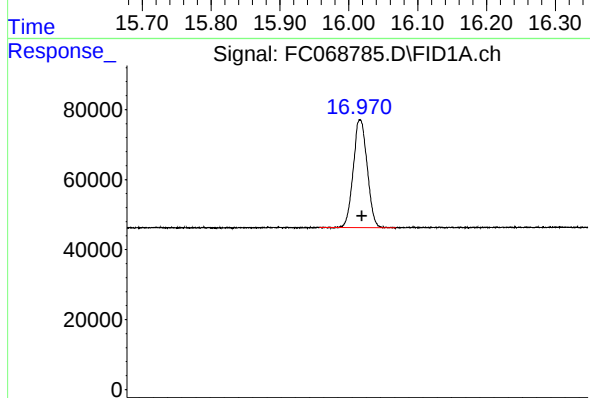
#14 n-Tetracosane (C24)

R.T.: 15.000 min
Delta R.T.: 0.000 min
Response: 423107
Conc: 4.95 ug/ml



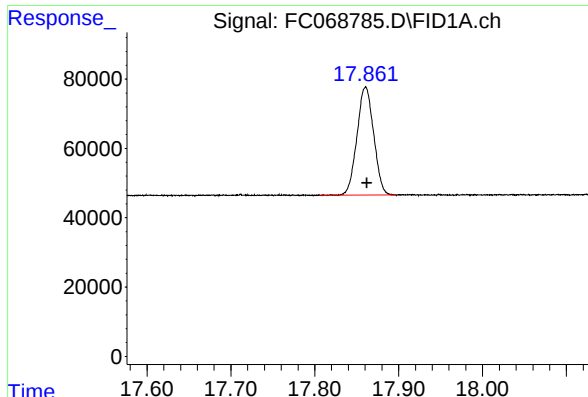
#15 n-Hexacosane (C26)

R.T.: 16.022 min
Delta R.T.: 0.000 min
Response: 421364
Conc: 4.97 ug/ml



#16 n-Octacosane (C28)

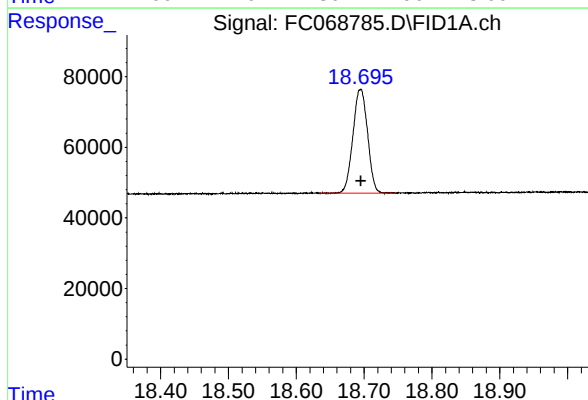
R.T.: 16.971 min
Delta R.T.: -0.003 min
Response: 420815
Conc: 5.00 ug/ml



#17 n-Tricontane (C30)

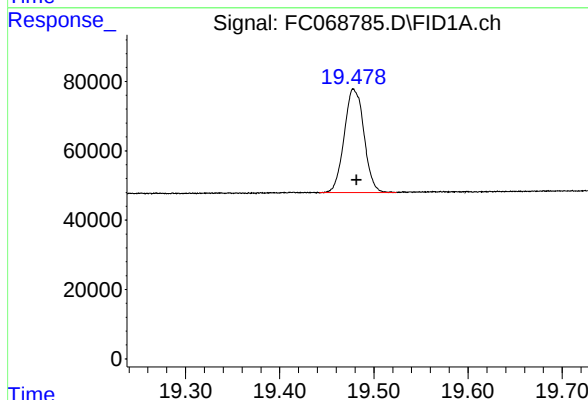
R.T.: 17.861 min
Delta R.T.: -0.002 min
Response: 430802
Conc: 5.00 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



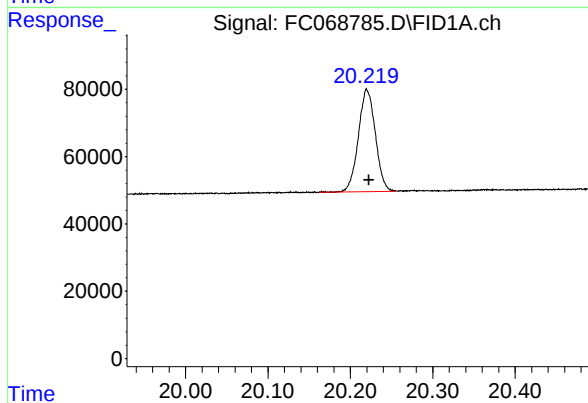
#18 n-Dotriacontane (C32)

R.T.: 18.695 min
Delta R.T.: 0.000 min
Response: 442453
Conc: 5.06 ug/ml



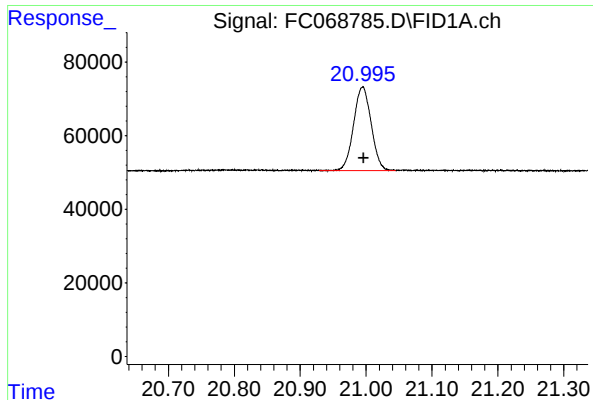
#19 n-Tetratriacontane (C34)

R.T.: 19.479 min
Delta R.T.: -0.003 min
Response: 435198
Conc: 5.02 ug/ml



#20 n-Hexatriacontane (C36)

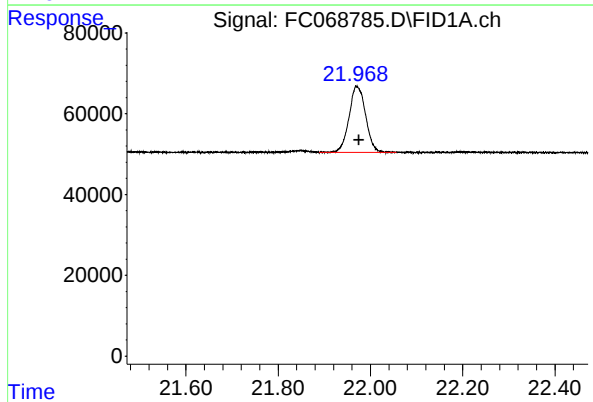
R.T.: 20.220 min
Delta R.T.: -0.002 min
Response: 434336
Conc: 4.95 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.995 min
Delta R.T.: -0.002 min
Response: 420695
Conc: 4.91 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



#22 n-Tetracontane (C40)

R.T.: 21.970 min
Delta R.T.: -0.005 min
Response: 408356
Conc: 4.88 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC050625AL\
 Data File : FC068785.D
 Signal(s) : FID1A.ch
 Acq On : 06 May 2025 18:03
 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 050625.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	3.387	3.490	BB	60717	503286	88.11%	5.015%
2	4.517	4.469	4.562	BB	55182	499484	87.45%	4.978%
3	6.115	6.057	6.150	BB	60631	548144	95.96%	5.462%
4	6.542	6.494	6.584	BB	51463	489960	85.78%	4.883%
5	7.172	7.130	7.204	BB	56115	533329	93.37%	5.315%
6	8.339	8.279	8.377	BB	46269	466893	81.74%	4.653%
7	9.942	9.884	9.989	BB	41401	452173	79.16%	4.506%
8	11.386	11.340	11.419	BB	39573	446925	78.24%	4.454%
9	11.709	11.659	11.742	BB	54817	571192	100.00%	5.692%
10	12.697	12.635	12.742	BB	37319	432929	75.79%	4.314%
11	13.142	13.089	13.182	BB	35081	402064	70.39%	4.007%
12	13.309	13.257	13.340	BB	36149	427457	74.84%	4.260%
13	13.896	13.839	13.925	BB	34710	423815	74.20%	4.223%
14	15.000	14.944	15.035	BB	34361	423107	74.07%	4.216%
15	16.022	15.957	16.069	BB	33287	421364	73.77%	4.199%
16	16.971	16.914	17.022	BB	30809	420815	73.67%	4.194%
17	17.861	17.805	17.897	BB	31137	430802	75.42%	4.293%
18	18.695	18.634	18.747	BB	29408	442453	77.46%	4.409%
19	19.479	19.442	19.524	BB	29774	435198	76.19%	4.337%
20	20.220	20.162	20.255	BB	30175	434336	76.04%	4.328%
21	20.995	20.929	21.045	BB	22752	420695	73.65%	4.192%
22	21.970	21.889	22.055	BB	16263	408356	71.49%	4.069%
Sum of corrected areas:							10034777	

Aliphatic EPH 050625.M Wed May 07 09:09:03 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC050625AL\
 Data File : FC068786.D
 Signal(s) : FID1A.ch
 Acq On : 06 May 2025 18:40
 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: May 07 08:53:57 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 050625.M
 Quant Title : GC Extractables
 QLast Update : Wed May 07 08:52:03 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)	11.711	2355158	20.634 ug/ml
Spiked Amount 50.000		Recovery =	41.27%
12) S 1-chlorooctadecane (S...	13.143	1650109	20.568 ug/ml
Spiked Amount 50.000		Recovery =	41.14%
Target Compounds			
1) T n-Nonane (C9)	3.442	2081542	20.695 ug/ml
2) T n-Decane (C10)	4.518	2058071	20.655 ug/ml
3) T A~Naphthalene (C11.7)	6.115	2278649	20.666 ug/ml
4) T n-Dodecane (C12)	6.543	2004473	20.627 ug/ml
5) T A~2-methylnaphthalene...	7.173	2210420	20.594 ug/ml
6) T n-Tetradecane (C14)	8.340	1902473	20.584 ug/ml
7) T n-Hexadecane (C16)	9.943	1844094	20.594 ug/ml
8) T n-Octadecane (C18)	11.387	1800440	20.525 ug/ml
10) T n-Eicosane (C20)	12.697	1749876	20.534 ug/ml
11) T n-Heneicosane (C21)	13.310	1732609	20.542 ug/ml
13) T n-Docosane (C22)	13.896	1718343	20.540 ug/ml
14) T n-Tetracosane (C24)	15.001	1707173	20.517 ug/ml
15) T n-Hexacosane (C26)	16.022	1697577	20.489 ug/ml
16) T n-Octacosane (C28)	16.973	1687805	20.422 ug/ml
17) T n-Tricontane (C30)	17.863	1728320	20.426 ug/ml
18) T n-Dotriacontane (C32)	18.696	1757564	20.405 ug/ml
19) T n-Tetratriacontane (C34)	19.482	1737972	20.399 ug/ml
20) T n-Hexatriacontane (C36)	20.223	1753728	20.404 ug/ml
21) T n-Octatriacontane (C38)	20.997	1714449	20.438 ug/ml
22) T n-Tetracontane (C40)	21.974	1669453	20.370 ug/ml

(f)=RT Delta > 1/2 Window

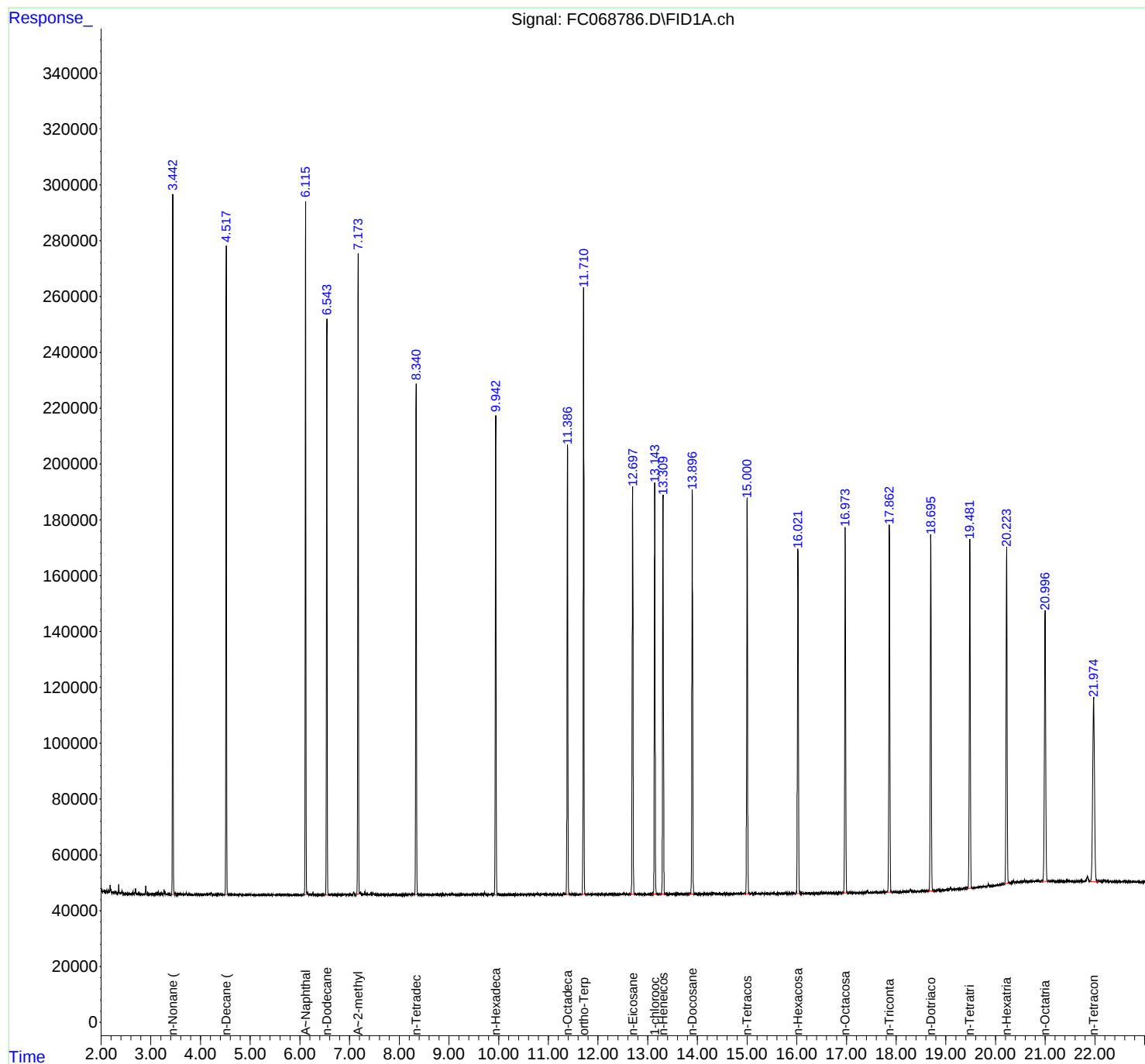
(m)=manual int.

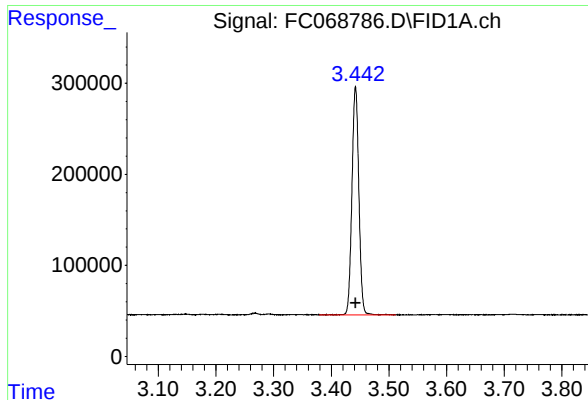
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC050625AL\
Data File : FC068786.D
Signal(s) : FID1A.ch
Acq On : 06 May 2025 18:40
Operator : YP/AJ
Sample : 20 PPM ALIPHATIC HC STD ICV
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV

Integration File: autoint1.e
Quant Time: May 07 08:53:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 050625.M
Quant Title : GC Extractables
QLast Update : Wed May 07 08:52:03 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)

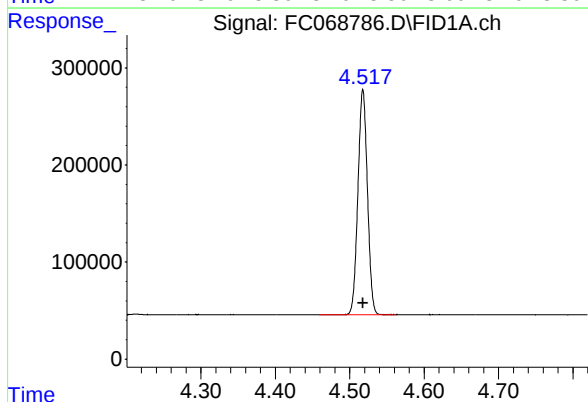
R.T.: 3.442 min
Delta R.T.: 0.000 min
Response: 2081542
Conc: 20.70 ug/ml

Instrument :

FID_C

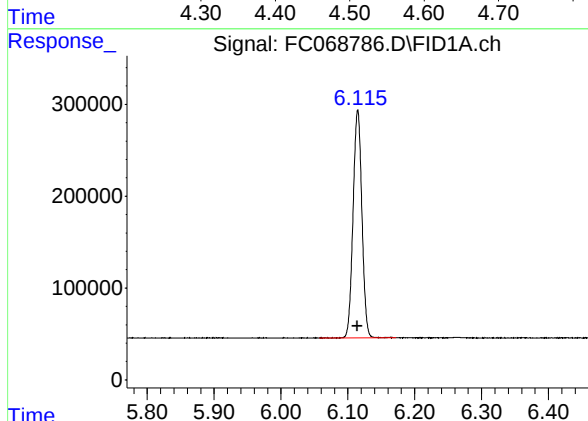
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



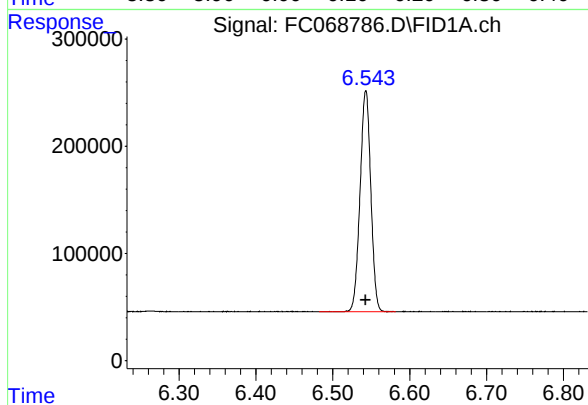
#2 n-Decane (C10)

R.T.: 4.518 min
Delta R.T.: 0.000 min
Response: 2058071
Conc: 20.65 ug/ml



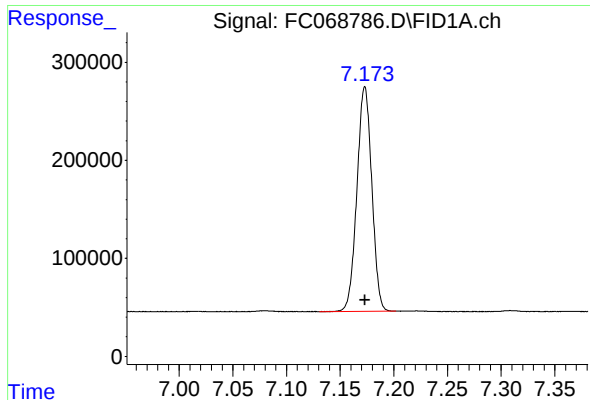
#3 A~Naphthalene (C11.7)

R.T.: 6.115 min
Delta R.T.: 0.000 min
Response: 2278649
Conc: 20.67 ug/ml



#4 n-Dodecane (C12)

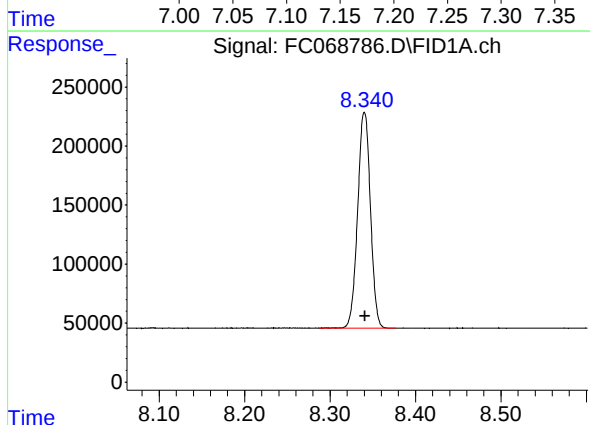
R.T.: 6.543 min
Delta R.T.: 0.000 min
Response: 2004473
Conc: 20.63 ug/ml



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

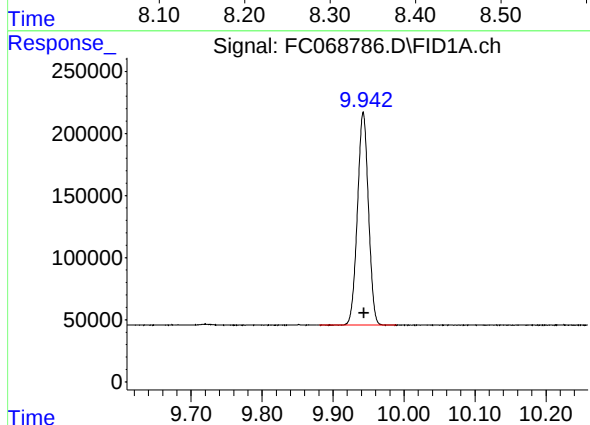
R.T.: 7.173 min
Delta R.T.: 0.000 min
Response: 2210420
Conc: 20.59 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



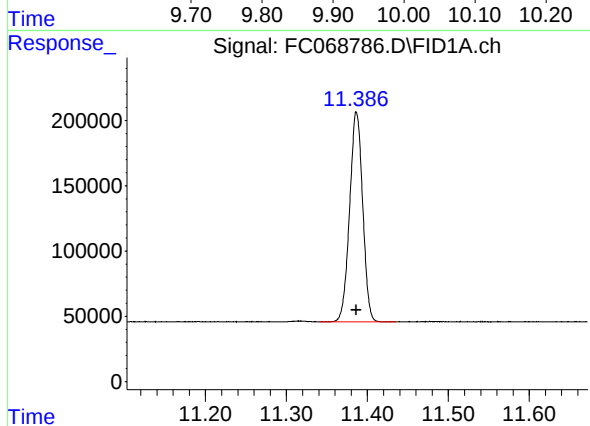
#6 n-Tetradecane (C14)

R.T.: 8.340 min
Delta R.T.: 0.000 min
Response: 1902473
Conc: 20.58 ug/ml



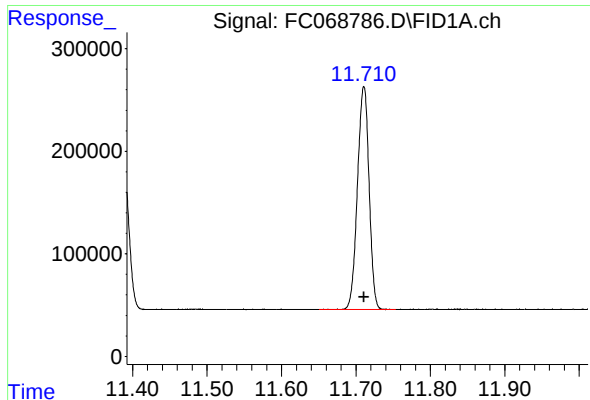
#7 n-Hexadecane (C16)

R.T.: 9.943 min
Delta R.T.: -0.001 min
Response: 1844094
Conc: 20.59 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.387 min
Delta R.T.: 0.000 min
Response: 1800440
Conc: 20.53 ug/ml



#9 ortho-Terphenyl (SURR)

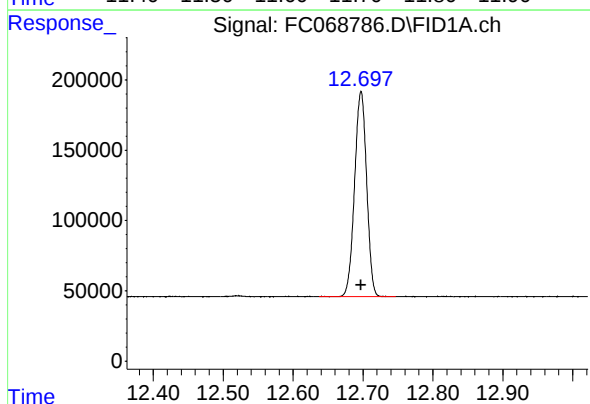
R.T.: 11.711 min
Delta R.T.: 0.000 min
Response: 2355158
Conc: 20.63 ug/ml

Instrument :

FID_C

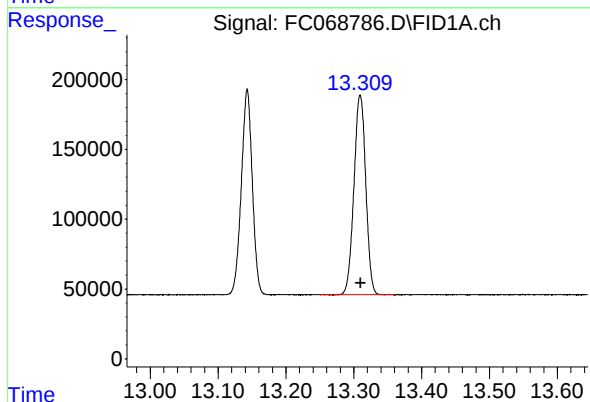
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



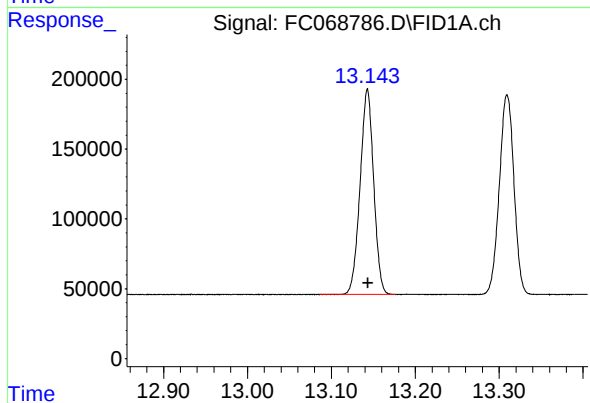
#10 n-Eicosane (C20)

R.T.: 12.697 min
Delta R.T.: 0.000 min
Response: 1749876
Conc: 20.53 ug/ml



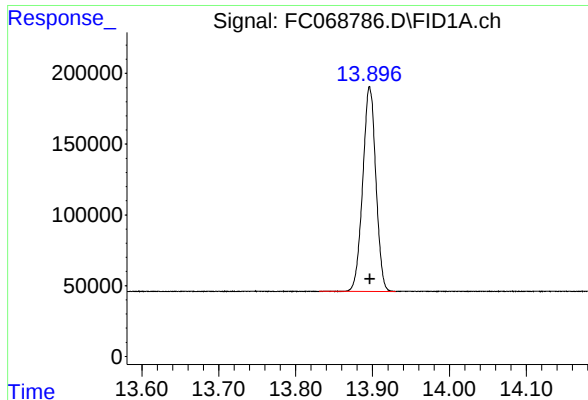
#11 n-Heneicosane (C21)

R.T.: 13.310 min
Delta R.T.: 0.000 min
Response: 1732609
Conc: 20.54 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.143 min
Delta R.T.: 0.000 min
Response: 1650109
Conc: 20.57 ug/ml



#13 n-Docosane (C22)

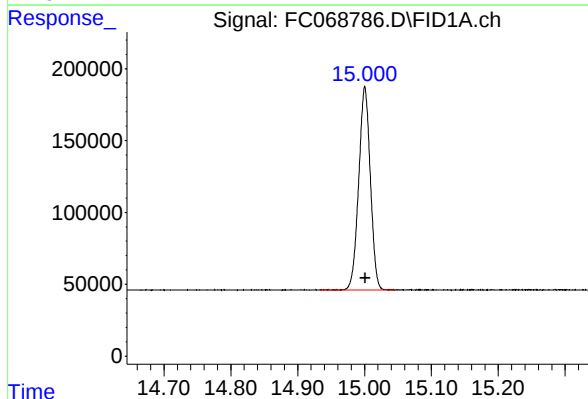
R.T.: 13.896 min
Delta R.T.: 0.000 min
Response: 1718343
Conc: 20.54 ug/ml

Instrument :

FID_C

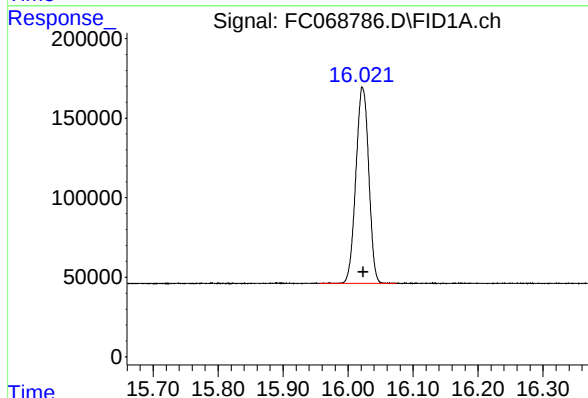
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



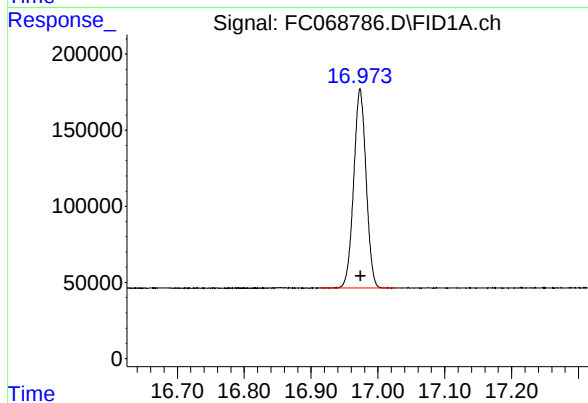
#14 n-Tetracosane (C24)

R.T.: 15.001 min
Delta R.T.: 0.000 min
Response: 1707173
Conc: 20.52 ug/ml



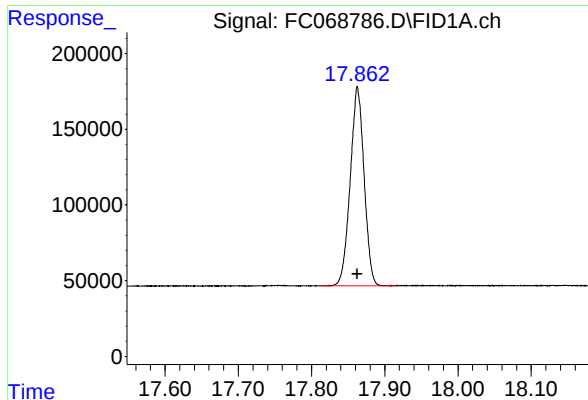
#15 n-Hexacosane (C26)

R.T.: 16.022 min
Delta R.T.: 0.000 min
Response: 1697577
Conc: 20.49 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.973 min
Delta R.T.: 0.000 min
Response: 1687805
Conc: 20.42 ug/ml



#17 n-Tricontane (C30)

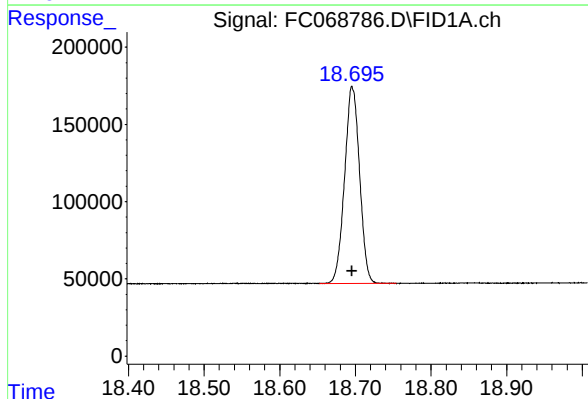
R.T.: 17.863 min
Delta R.T.: 0.000 min
Response: 1728320
Conc: 20.43 ug/ml

Instrument :

FID_C

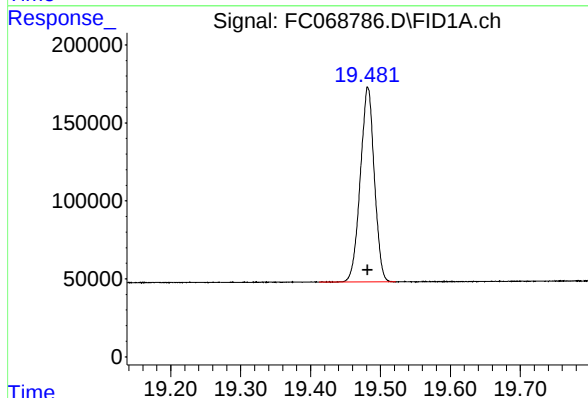
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



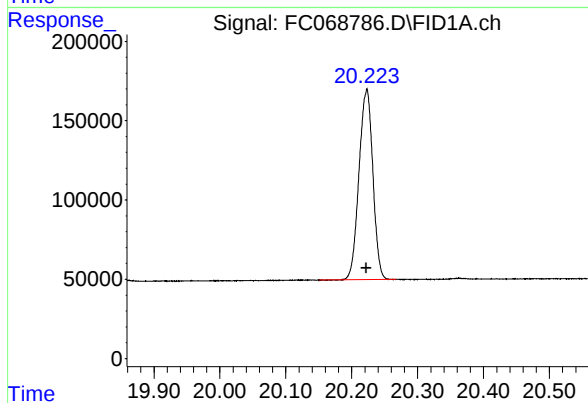
#18 n-Dotriacontane (C32)

R.T.: 18.696 min
Delta R.T.: 0.000 min
Response: 1757564
Conc: 20.40 ug/ml



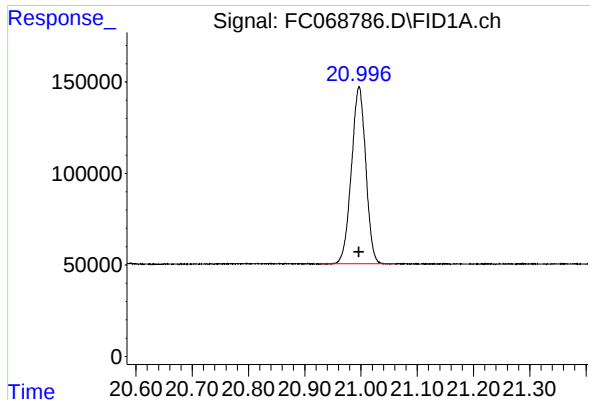
#19 n-Tetatriacontane (C34)

R.T.: 19.482 min
Delta R.T.: 0.000 min
Response: 1737972
Conc: 20.40 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.223 min
Delta R.T.: 0.000 min
Response: 1753728
Conc: 20.40 ug/ml



#21 n-Octatriacontane (C38)

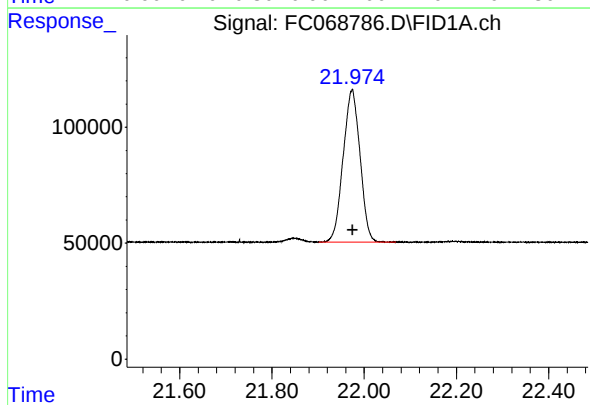
R.T.: 20.997 min
Delta R.T.: 0.000 min
Response: 1714449
Conc: 20.44 ug/ml

Instrument :

FID_C

ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



#22 n-Tetracontane (C40)

R.T.: 21.974 min
Delta R.T.: -0.002 min
Response: 1669453
Conc: 20.37 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC050625AL\
Data File : FC068786.D
Signal(s) : FID1A.ch
Acq On : 06 May 2025 18:40
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 050625.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	3.379	3.512	BB	250694	2081542	88.38%	5.097%
2	4.518	4.459	4.562	BB	231932	2058071	87.39%	5.039%
3	6.115	6.057	6.172	BB	249029	2278649	96.75%	5.579%
4	6.543	6.482	6.582	BB	207468	2004473	85.11%	4.908%
5	7.173	7.130	7.202	BB	229639	2210420	93.85%	5.412%
6	8.340	8.287	8.377	BB	182930	1902473	80.78%	4.658%
7	9.943	9.880	9.989	BB	171273	1844094	78.30%	4.515%
8	11.387	11.340	11.435	BB	159991	1800440	76.45%	4.408%
9	11.711	11.650	11.754	BB	217837	2355158	100.00%	5.767%
10	12.697	12.637	12.747	BB	146326	1749876	74.30%	4.285%
11	13.143	13.085	13.177	BB	147670	1650109	70.06%	4.040%
12	13.310	13.249	13.362	BB	142942	1732609	73.57%	4.242%
13	13.896	13.830	13.930	BB	143765	1718343	72.96%	4.207%
14	15.001	14.932	15.047	BB	141597	1707173	72.49%	4.180%
15	16.022	15.955	16.074	BB	123224	1697577	72.08%	4.157%
16	16.973	16.912	17.027	BB	130891	1687805	71.66%	4.133%
17	17.863	17.810	17.915	BB	129951	1728320	73.38%	4.232%
18	18.696	18.652	18.754	BB	127231	1757564	74.63%	4.304%
19	19.482	19.412	19.522	BB	124751	1737972	73.79%	4.256%
20	20.223	20.150	20.267	BB	119167	1753728	74.46%	4.294%
21	20.997	20.925	21.062	BB	96959	1714449	72.80%	4.198%
22	21.974	21.902	22.069	BB	65711	1669453	70.88%	4.088%
Sum of corrected areas:							40840301	

Aliphatic EPH 050625.M Wed May 07 09:09:22 2025