

Initial Calibration Report for SequenceID : FG061325AL

AreaCount

Parameter Range	FG016071.D	FG016072.D	FG016073.D	FG016074.D	FG016075.D	
Aliphatic C9-C12	31187111.000	16030205.000	6399100.000	3273415.000	1801158.000	
Aliphatic C12-C16	21347944.000	10942901.000	4353077.000	2229026.000	1226761.000	
Aliphatic C16-C21	32827684.000	16845928.000	6678934.000	3420442.000	1880042.000	
Aliphatic C21-C28	43338555.000	22406907.000	8923987.000	4573238.000	2513785.000	
Aliphatic C28-C40	50822649.000	26534359.000	10867391.000	5588296.000	3093801.000	
Aliphatic EPH	179523943.000	92760300.000	37222489.000	19084417.000	10515547.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aliphatic C9-C12	109333.5539996	5.742				
Aliphatic C12-C16	111824.611	5.629				
Aliphatic C16-C21	114479.6466662	5.496				
Aliphatic C21-C28	114390.192	5.829				
Aliphatic C28-C40	91995.767333	7.551				
Aliphatic EPH	105812.4553328	6.196				

Concentration

Parameter Range	FG016071.D	FG016072.D	FG016073.D	FG016074.D	FG016075.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	FG016071.D	FG016072.D	FG016073.D	FG016074.D	FG016075.D	
Aliphatic C9-C12	103957.036666	106868.033333	106651.666666	109113.833333	120077.200000	
Aliphatic C12-C16	106739.720000	109429.010000	108826.925000	111451.300000	122676.100000	
Aliphatic C16-C21	109425.613333	112306.186666	111315.566666	114014.733333	125336.133333	

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Aliphatic C21-C28	108346.387500	112034.535000	111549.837500	114330.950000	125689.250000	
Aliphatic C28-C40	84704.415000	88447.863333	90561.591666	93138.266666	103126.700000	
Aliphatic EPH	99735.523888	103067.000000	103395.802777	106024.538888	116839.411111	

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG061325AL\
 Data File : FG016071.D
 Signal(s) : FID1A.ch
 Acq On : 13 Jun 2025 14:05
 Operator : YP\AJ
 Sample : 100 PPM ALIPHATIC HC STD1
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 100 PPM ALIPHATIC HC STD1

Integration File: autoint1.e
 Quant Time: Jun 16 06:40:46 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 061325.M
 Quant Title : GC Extractables
 QLast Update : Mon Jun 16 06:39:56 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	12.102	12319256	98.060 ug/ml
Spiked Amount 50.000		Recovery =	196.12%
12) S 1-chlorooctadecane (S...	13.541	9625924	98.129 ug/ml
Spiked Amount 50.000		Recovery =	196.26%
Target Compounds			
1) T n-Nonane (C9)	3.424	10265834	97.267 ug/ml
2) T n-Decane (C10)	4.684	10421015	97.345 ug/ml
3) T A~Naphthalene (C11.7)	6.401	11351238	97.258 ug/ml
4) T n-Dodecane (C12)	6.863	10500262	97.805 ug/ml
5) T A~2-methylnaphthalene...	7.504	11069941	97.522 ug/ml
6) T n-Tetradecane (C14)	8.702	10460547	97.915 ug/ml
7) T n-Hexadecane (C16)	10.321	10887397	98.243 ug/ml
8) T n-Octadecane (C18)	11.776	11131441	98.379 ug/ml
10) T n-Eicosane (C20)	13.093	10887120	98.345 ug/ml
11) T n-Heneicosane (C21)	13.709	10809123	98.180 ug/ml
13) T n-Docosane (C22)	14.299	10847807	98.085 ug/ml
14) T n-Tetracosane (C24)	15.408	10956206	97.496 ug/ml
15) T n-Hexacosane (C26)	16.436	10874105	96.775 ug/ml
16) T n-Octacosane (C28)	17.391	10660437	96.159 ug/ml
17) T n-Tricontane (C30)	18.282	10619759	94.655 ug/ml
18) T n-Dotriacontane (C32)	19.119	10002723	93.329 ug/ml
19) T n-Tetratriacontane (C34)	19.905	9047304	92.873 ug/ml
20) T n-Hexatriacontane (C36)	20.646	7775206	92.817 ug/ml
21) T n-Octatriacontane (C38)	21.437	6940056	93.207 ug/ml
22) T n-Tetracontane (C40)	22.443	6437601	94.181 ug/ml

(f)=RT Delta > 1/2 Window

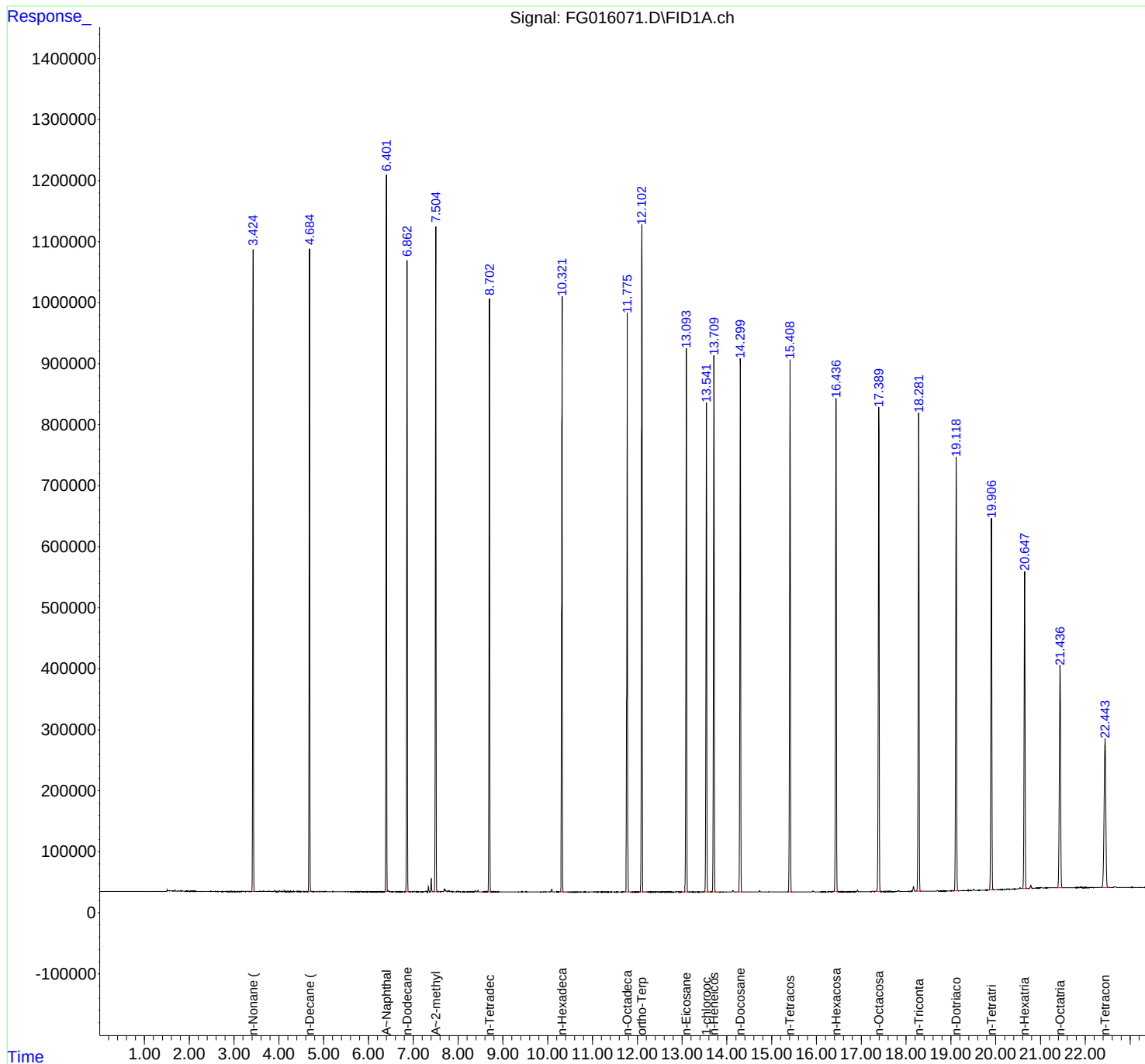
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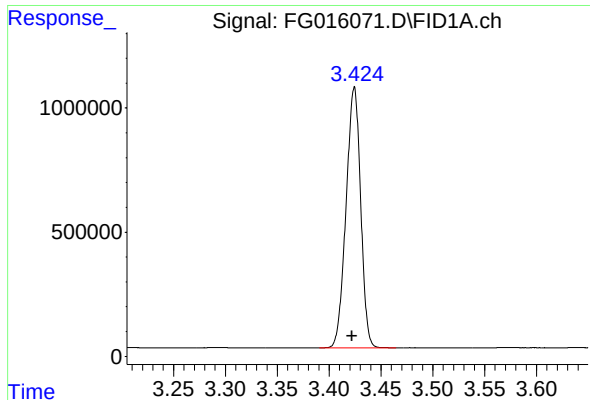
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Data File : FG016071.D
Signal(s) : FID1A.ch
Acq On : 13 Jun 2025 14:05
Operator : YP\AJ
Sample : 100 PPM ALIPHATIC HC STD1
Misc :
ALS Vial : 21 Sample Multiplier: 1

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FID_G
ClientSampleId :
100 PPM ALIPHATIC HC STD1

Integration File: autoint1.e
Quant Time: Jun 16 06:40:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 061325.M
Quant Title : GC Extractables
QLast Update : Mon Jun 16 06:39:56 2025
Response via : Initial Calibration
Integrator: ChemStation

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

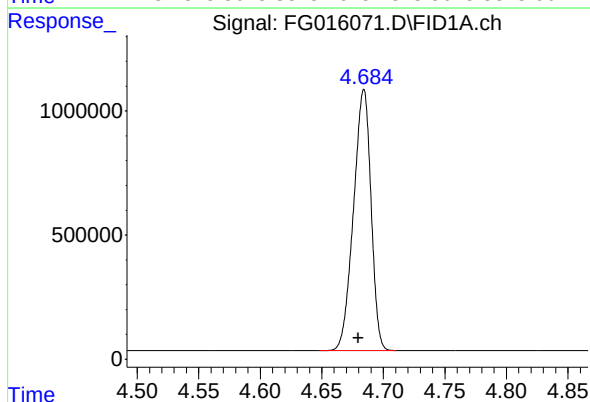




#1 n-Nonane (C9)

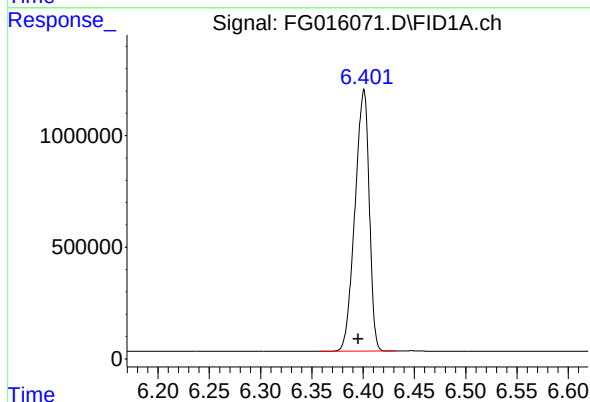
R.T.: 3.424 min
Delta R.T.: 0.002 min
Response: 10265834
Conc: 97.27 ug/ml

Instrument :
FID_G
ClientSampleId :
100 PPM ALIPHATIC HC STD1



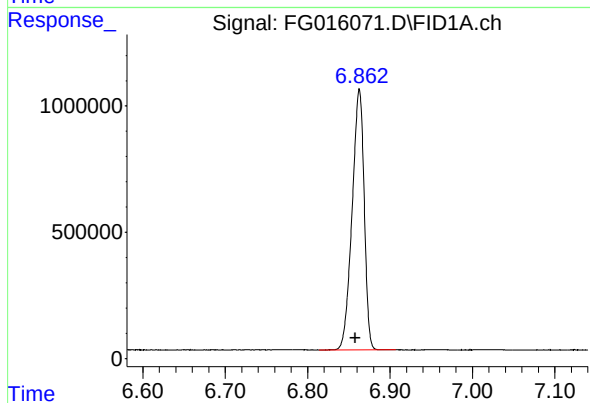
#2 n-Decane (C10)

R.T.: 4.684 min
Delta R.T.: 0.004 min
Response: 10421015
Conc: 97.34 ug/ml



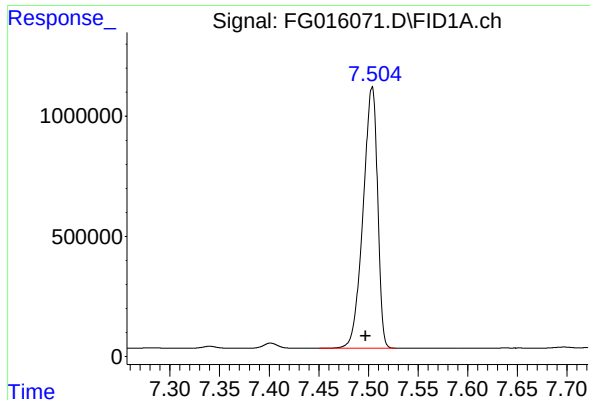
#3 A~Naphthalene (C11.7)

R.T.: 6.401 min
Delta R.T.: 0.005 min
Response: 11351238
Conc: 97.26 ug/ml



#4 n-Dodecane (C12)

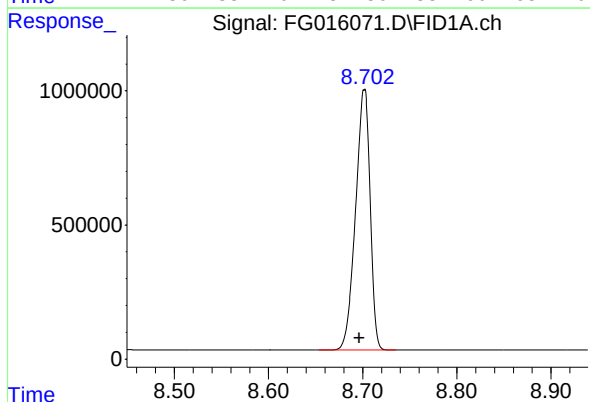
R.T.: 6.863 min
Delta R.T.: 0.005 min
Response: 10500262
Conc: 97.80 ug/ml



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

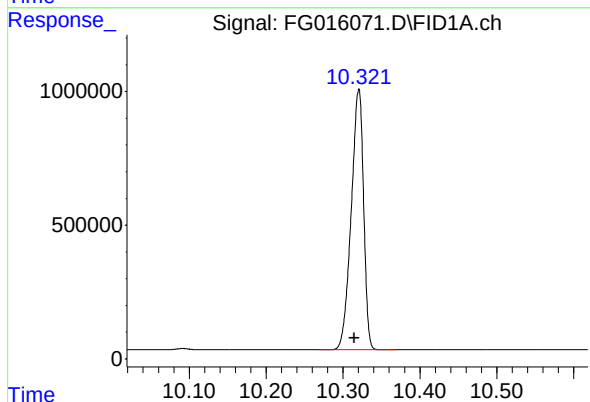
R.T.: 7.504 min
Delta R.T.: 0.006 min
Response: 11069941
Conc: 97.52 ug/ml

Instrument :
FID_G
ClientSampleId :
100 PPM ALIPHATIC HC STD1



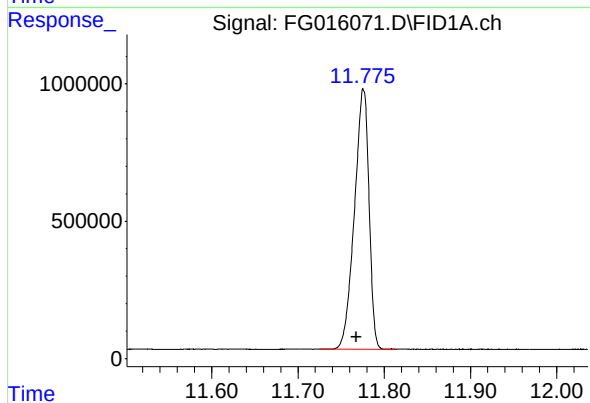
#6 n-Tetradecane (C14)

R.T.: 8.702 min
Delta R.T.: 0.005 min
Response: 10460547
Conc: 97.92 ug/ml



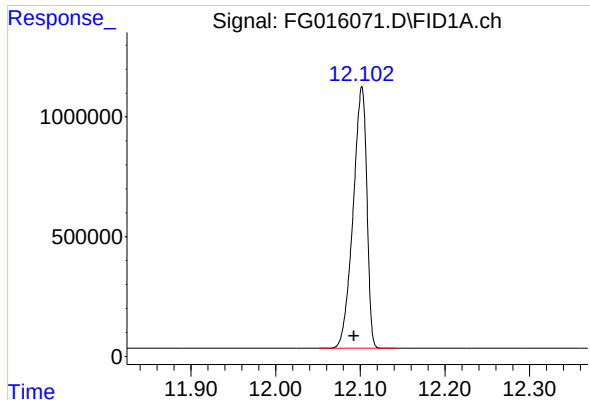
#7 n-Hexadecane (C16)

R.T.: 10.321 min
Delta R.T.: 0.006 min
Response: 10887397
Conc: 98.24 ug/ml



#8 n-Octadecane (C18)

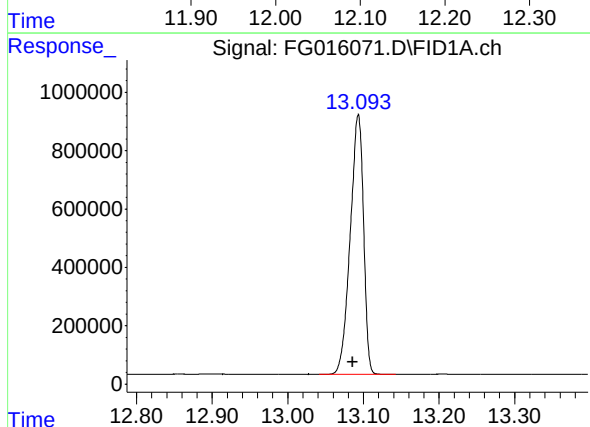
R.T.: 11.776 min
Delta R.T.: 0.009 min
Response: 11131441
Conc: 98.38 ug/ml



#9 ortho-Terphenyl (SURR)

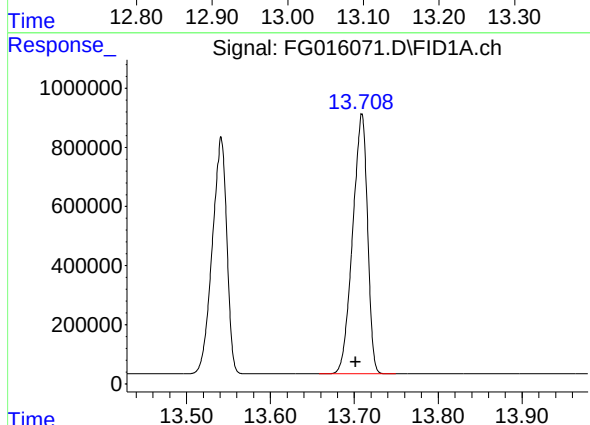
R.T.: 12.102 min
Delta R.T.: 0.009 min
Response: 12319256
Conc: 98.06 ug/ml

Instrument :
FID_G
ClientSampleId :
100 PPM ALIPHATIC HC STD1



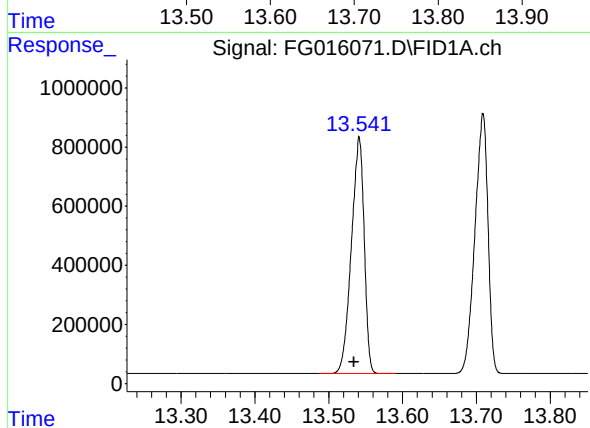
#10 n-Eicosane (C20)

R.T.: 13.093 min
Delta R.T.: 0.008 min
Response: 10887120
Conc: 98.35 ug/ml



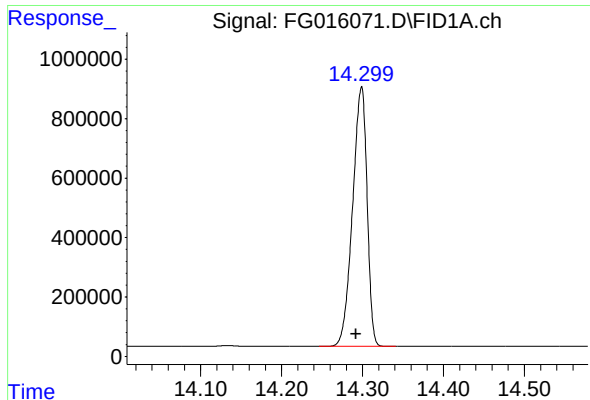
#11 n-Heneicosane (C21)

R.T.: 13.709 min
Delta R.T.: 0.008 min
Response: 10809123
Conc: 98.18 ug/ml



#12 1-chlorooctadecane (SURR)

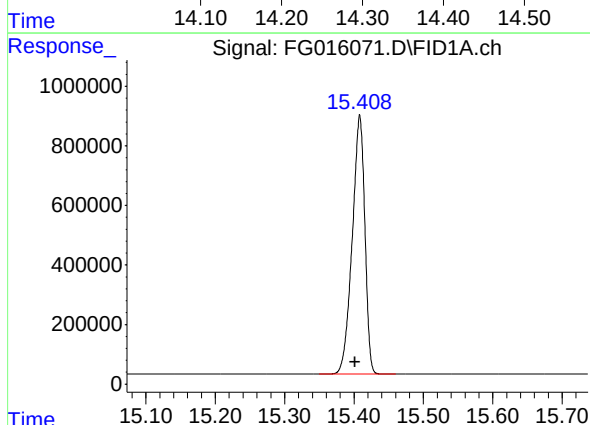
R.T.: 13.541 min
Delta R.T.: 0.007 min
Response: 9625924
Conc: 98.13 ug/ml



#13 n-Docosane (C22)

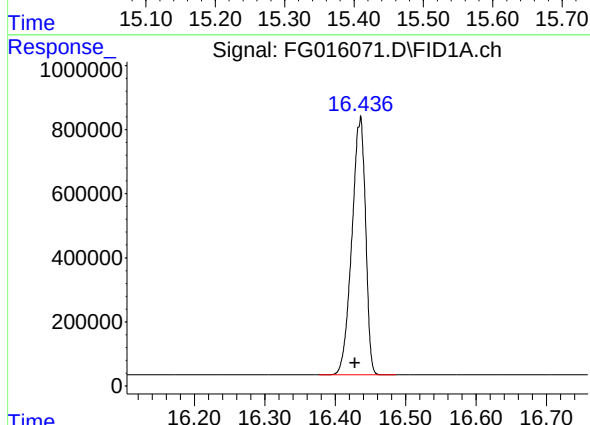
R.T.: 14.299 min
Delta R.T.: 0.007 min
Response: 10847807
Conc: 98.09 ug/ml

Instrument :
FID_G
ClientSampleId :
100 PPM ALIPHATIC HC STD1



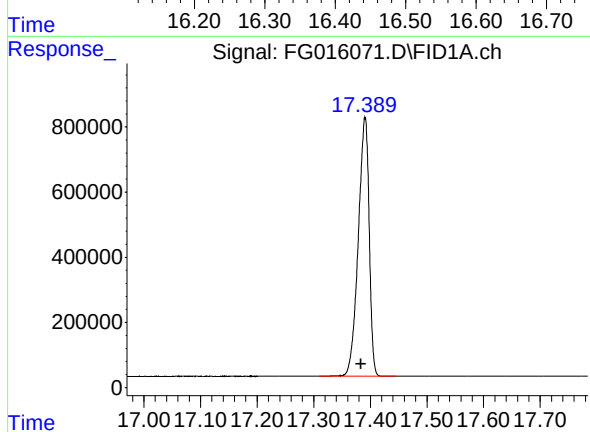
#14 n-Tetracosane (C24)

R.T.: 15.408 min
Delta R.T.: 0.007 min
Response: 10956206
Conc: 97.50 ug/ml



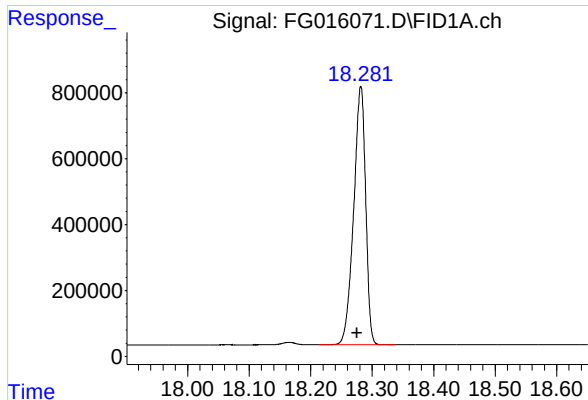
#15 n-Hexacosane (C26)

R.T.: 16.436 min
Delta R.T.: 0.008 min
Response: 10874105
Conc: 96.78 ug/ml



#16 n-Octacosane (C28)

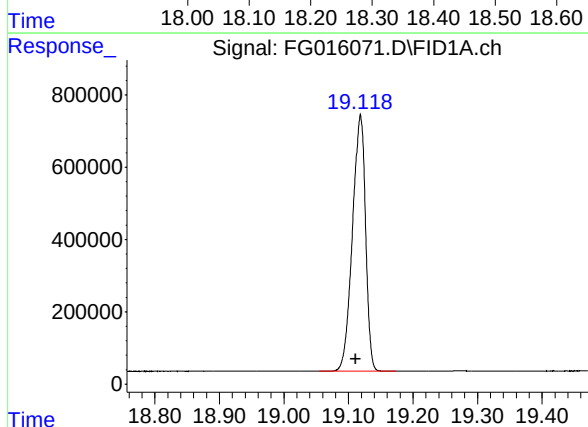
R.T.: 17.391 min
Delta R.T.: 0.007 min
Response: 10660437
Conc: 96.16 ug/ml



#17 n-Tricontane (C30)

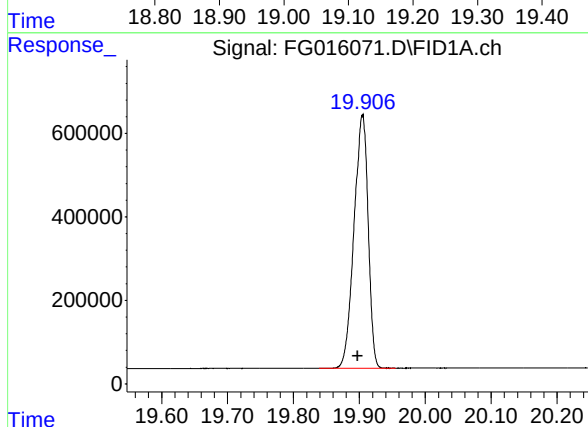
R.T.: 18.282 min
Delta R.T.: 0.007 min
Response: 10619759
Conc: 94.65 ug/ml

Instrument :
FID_G
ClientSampleId :
100 PPM ALIPHATIC HC STD1



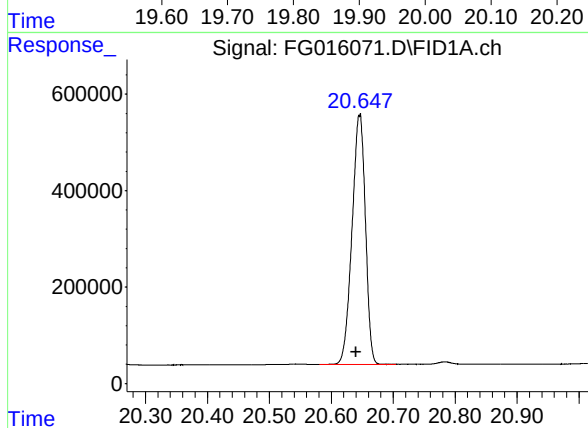
#18 n-Dotriacontane (C32)

R.T.: 19.119 min
Delta R.T.: 0.008 min
Response: 10002723
Conc: 93.33 ug/ml



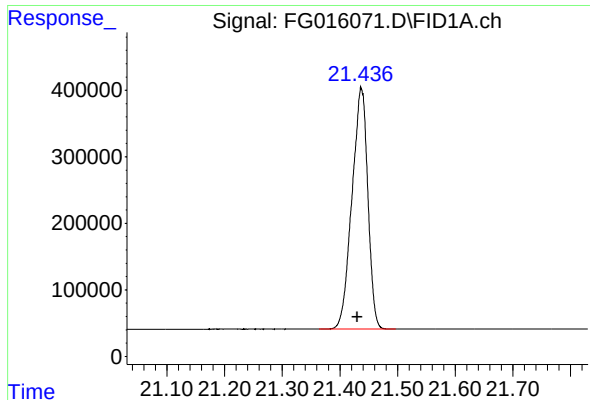
#19 n-Tetatriacontane (C34)

R.T.: 19.905 min
Delta R.T.: 0.007 min
Response: 9047304
Conc: 92.87 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.646 min
Delta R.T.: 0.006 min
Response: 7775206
Conc: 92.82 ug/ml



#21 n-Octatriacontane (C38)

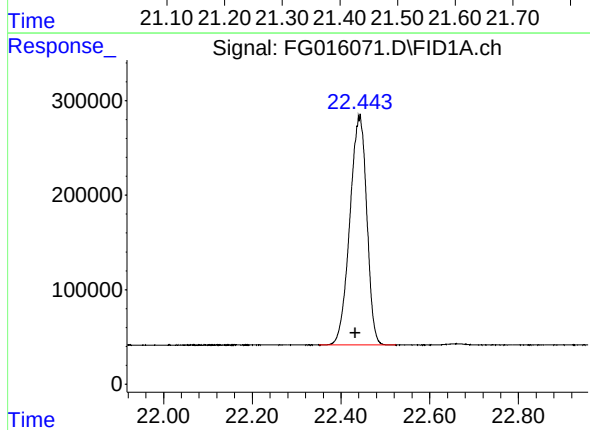
R.T.: 21.437 min
Delta R.T.: 0.007 min
Response: 6940056
Conc: 93.21 ug/ml

Instrument :

FID_G

ClientSampleId :

100 PPM ALIPHATIC HC STD1



#22 n-Tetracontane (C40)

R.T.: 22.443 min
Delta R.T.: 0.011 min
Response: 6437601
Conc: 94.18 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG061325AL\
Data File : FG016071.D
Signal(s) : FID1A.ch
Acq On : 13 Jun 2025 14:05
Sample : 100 PPM ALIPHATIC HC STD1
Misc :
ALS Vial : 21 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 061325.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	3.424	3.390	3.465	BB	1052357	10265834	83.33%	4.585%
2	4.684	4.648	4.710	BB	1053856	10421015	84.59%	4.655%
3	6.401	6.357	6.432	BV	1169744	11351238	92.14%	5.070%
4	6.863	6.814	6.907	BB	1033033	10500262	85.23%	4.690%
5	7.504	7.450	7.528	BB	1085196	11069941	89.86%	4.944%
6	8.702	8.654	8.735	BB	969591	10460547	84.91%	4.672%
7	10.321	10.269	10.369	BB	974328	10887397	88.38%	4.863%
8	11.776	11.725	11.814	BB	943511	11131441	90.36%	4.972%
9	12.102	12.051	12.142	BB	1093779	12319256	100.00%	5.502%
10	13.093	13.041	13.143	BB	888505	10887120	88.37%	4.863%
11	13.541	13.487	13.591	BB	800655	9625924	78.14%	4.299%
12	13.709	13.658	13.750	BB	879914	10809123	87.74%	4.828%
13	14.299	14.246	14.341	BB	873265	10847807	88.06%	4.845%
14	15.408	15.350	15.460	BB	869218	10956206	88.94%	4.894%
15	16.436	16.377	16.486	BB	807724	10874105	88.27%	4.857%
16	17.391	17.310	17.445	BB	793279	10660437	86.53%	4.761%
17	18.282	18.214	18.339	BB	783730	10619759	86.20%	4.743%
18	19.119	19.055	19.174	BB	710210	10002723	81.20%	4.468%
19	19.905	19.839	19.955	BB	603725	9047304	73.44%	4.041%
20	20.646	20.580	20.704	BB	514279	7775206	63.11%	3.473%
21	21.437	21.364	21.497	BB	361018	6940056	56.34%	3.100%
22	22.443	22.350	22.524	BB	244066	6437601	52.26%	2.875%
Sum of corrected areas:						223890303		

Aliphatic EPH 061325.M Mon Jun 16 07:03:50 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG061325AL\
 Data File : FG016072.D
 Signal(s) : FID1A.ch
 Acq On : 13 Jun 2025 14:34
 Operator : YP\AJ
 Sample : 50 PPM ALIPHATIC HC STD2
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 50 PPM ALIPHATIC HC STD2

Integration File: autoint1.e
 Quant Time: Jun 16 06:41:08 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 061325.M
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Spiked Amount 50.000		Recovery =	100.67%
12) S 1-chlorooctadecane (S...	13.537	4942965	50.390 ug/ml
Spiked Amount 50.000		Recovery =	100.78%
Target Compounds			
1) T n-Nonane (C9)	3.422	5282413	50.050 ug/ml
2) T n-Decane (C10)	4.681	5358787	50.057 ug/ml
3) T A~Naphthalene (C11.7)	6.397	5839682	50.034 ug/ml
4) T n-Dodecane (C12)	6.859	5389005	50.196 ug/ml
5) T A~2-methylnaphthalene...	7.499	5689440	50.122 ug/ml
6) T n-Tetradecane (C14)	8.698	5364151	50.211 ug/ml
7) T n-Hexadecane (C16)	10.317	5578750	50.340 ug/ml
8) T n-Octadecane (C18)	11.770	5705865	50.428 ug/ml
10) T n-Eicosane (C20)	13.088	5586554	50.464 ug/ml
11) T n-Heneicosane (C21)	13.704	5553509	50.443 ug/ml
13) T n-Docosane (C22)	14.295	5578784	50.443 ug/ml
14) T n-Tetracosane (C24)	15.404	5654747	50.320 ug/ml
15) T n-Hexacosane (C26)	16.431	5630584	50.110 ug/ml
16) T n-Octacosane (C28)	17.386	5542792	49.997 ug/ml
17) T n-Tricontane (C30)	18.278	5543018	49.405 ug/ml
18) T n-Dotriacontane (C32)	19.114	5238666	48.879 ug/ml
19) T n-Tetratriacontane (C34)	19.901	4741671	48.674 ug/ml
20) T n-Hexatriacontane (C36)	20.644	4064127	48.516 ug/ml
21) T n-Octatriacontane (C38)	21.434	3616216	48.567 ug/ml
22) T n-Tetracontane (C40)	22.437	3330661	48.727 ug/ml

(f)=RT Delta > 1/2 Window

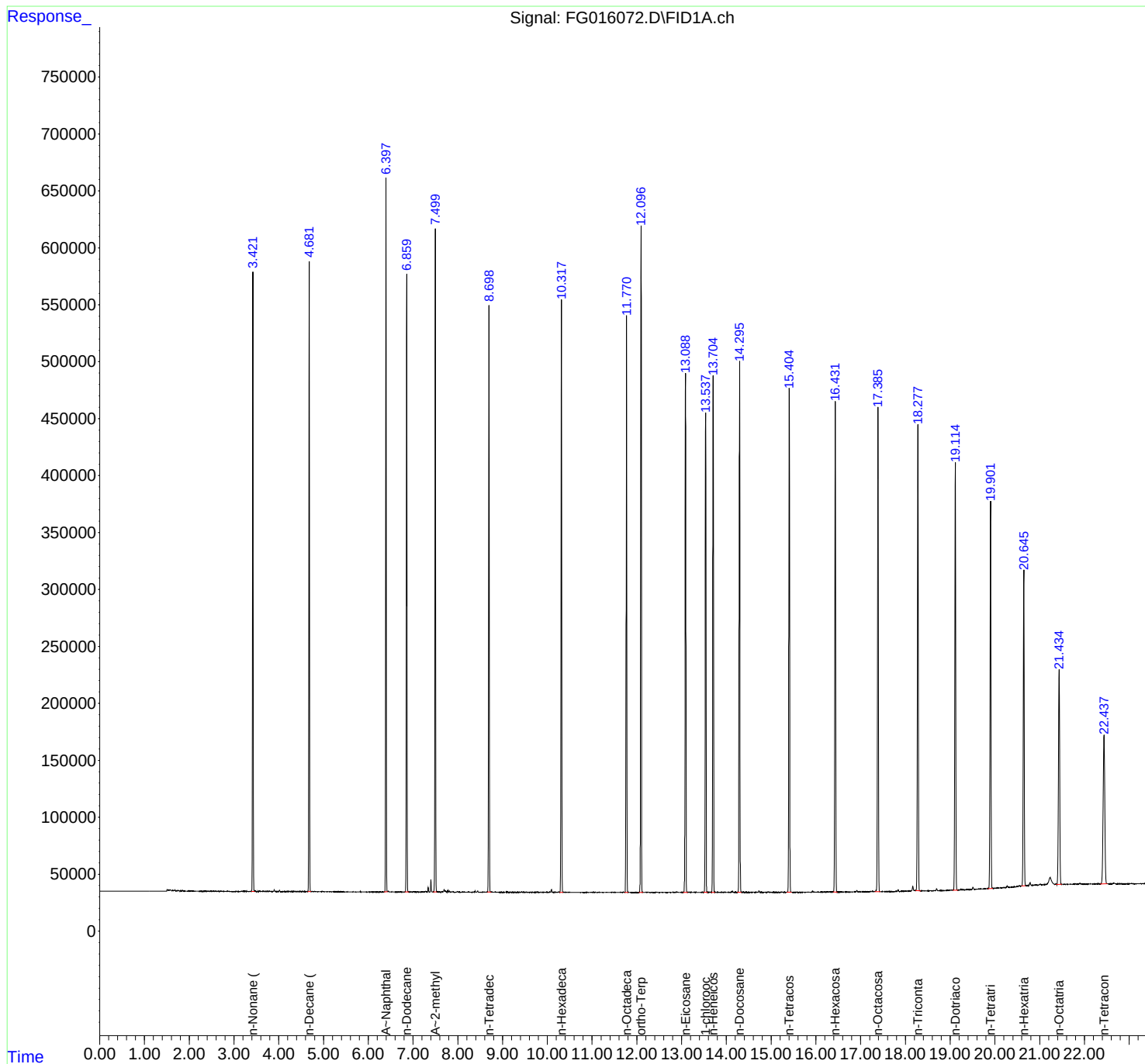
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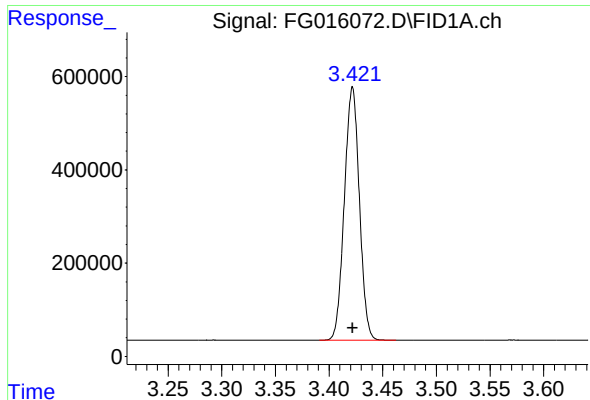
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG061325AL\
Data File : FG016072.D
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FID_G
ClientSampleId :
50 PPM ALIPHATIC HC STD2

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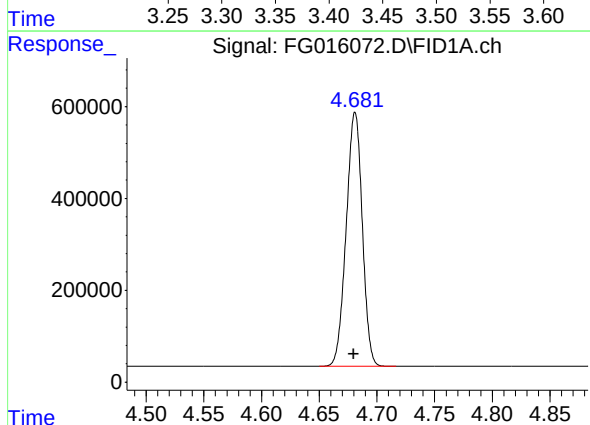




#1 n-Nonane (C9)

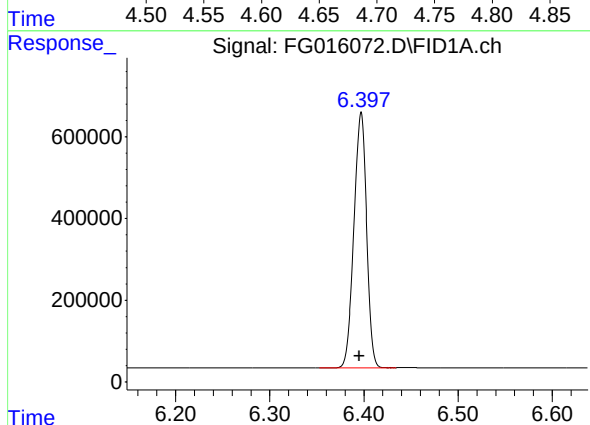
R.T.: 3.422 min
Delta R.T.: 0.000 min
Response: 5282413
Conc: 50.05 ug/ml

Instrument :
FID_G
ClientSampleId :
50 PPM ALIPHATIC HC STD2



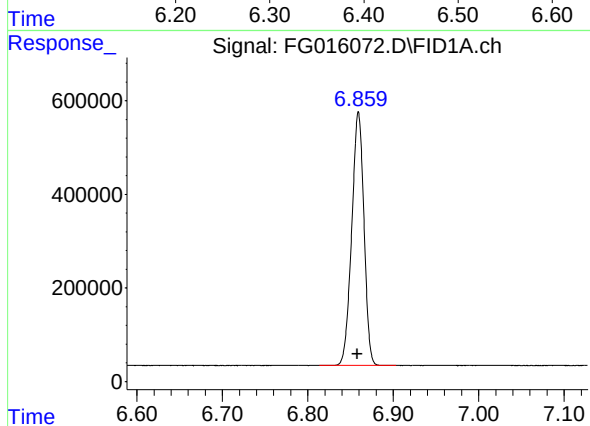
#2 n-Decane (C10)

R.T.: 4.681 min
Delta R.T.: 0.001 min
Response: 5358787
Conc: 50.06 ug/ml



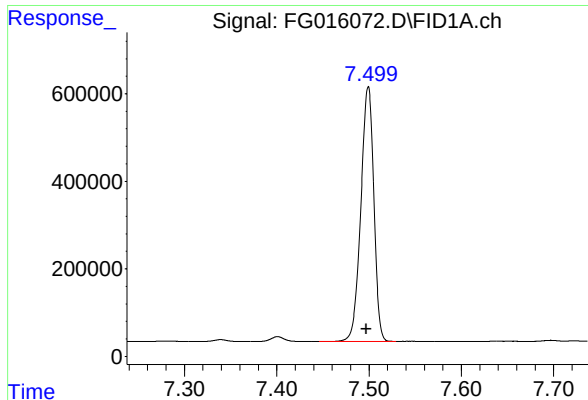
#3 A~Naphthalene (C11.7)

R.T.: 6.397 min
Delta R.T.: 0.002 min
Response: 5839682
Conc: 50.03 ug/ml



#4 n-Dodecane (C12)

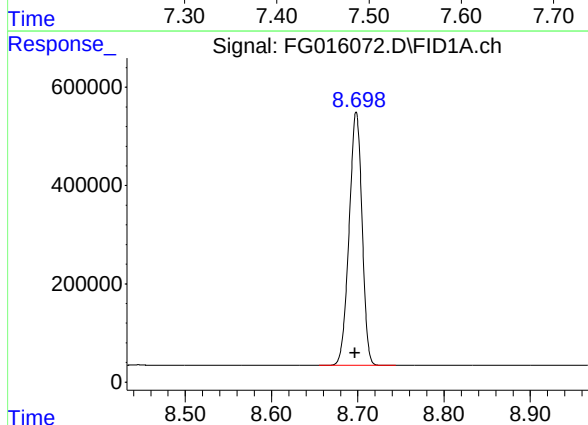
R.T.: 6.859 min
Delta R.T.: 0.001 min
Response: 5389005
Conc: 50.20 ug/ml



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

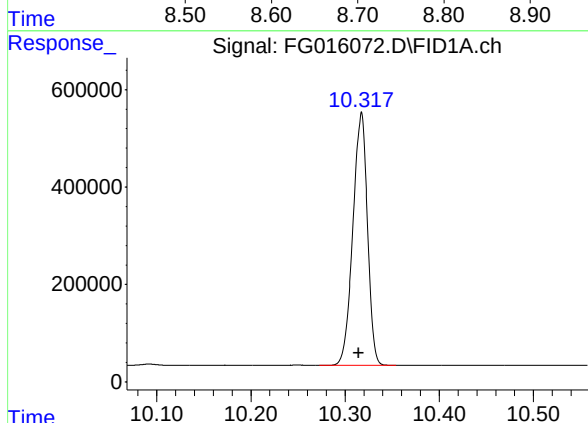
R.T.: 7.499 min
Delta R.T.: 0.002 min
Response: 5689440
Conc: 50.12 ug/ml

Instrument :
FID_G
ClientSampleId :
50 PPM ALIPHATIC HC STD2



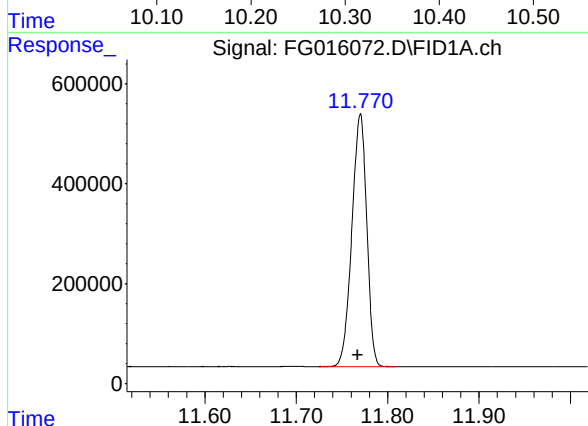
#6 n-Tetradecane (C14)

R.T.: 8.698 min
Delta R.T.: 0.002 min
Response: 5364151
Conc: 50.21 ug/ml



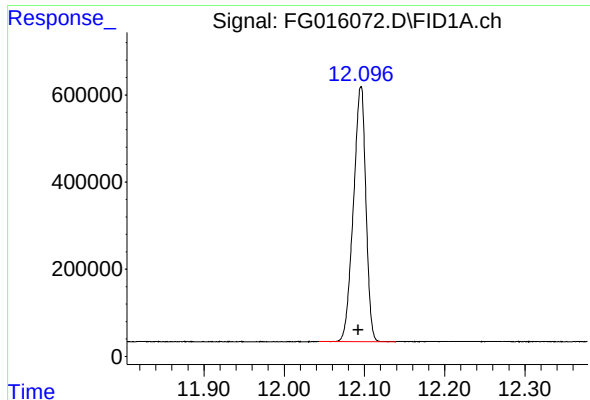
#7 n-Hexadecane (C16)

R.T.: 10.317 min
Delta R.T.: 0.003 min
Response: 5578750
Conc: 50.34 ug/ml



#8 n-Octadecane (C18)

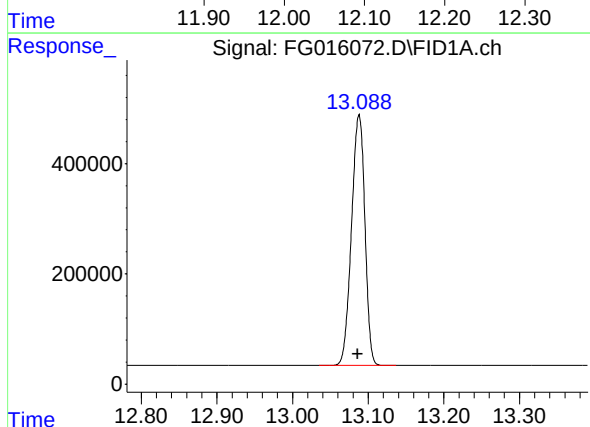
R.T.: 11.770 min
Delta R.T.: 0.003 min
Response: 5705865
Conc: 50.43 ug/ml



#9 ortho-Terphenyl (SURR)

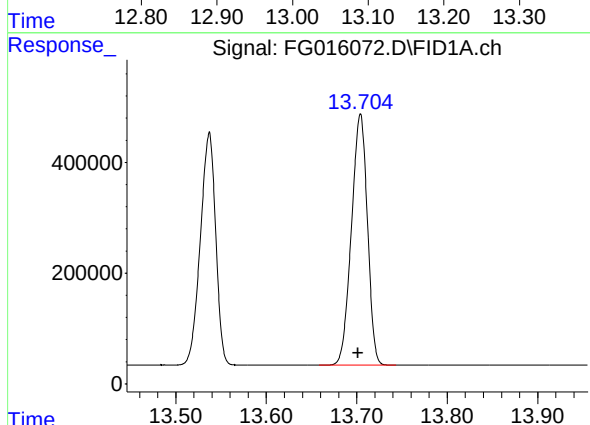
R.T.: 12.096 min
Delta R.T.: 0.003 min
Response: 6323398
Conc: 50.33 ug/ml

Instrument :
FID_G
ClientSampleId :
50 PPM ALIPHATIC HC STD2



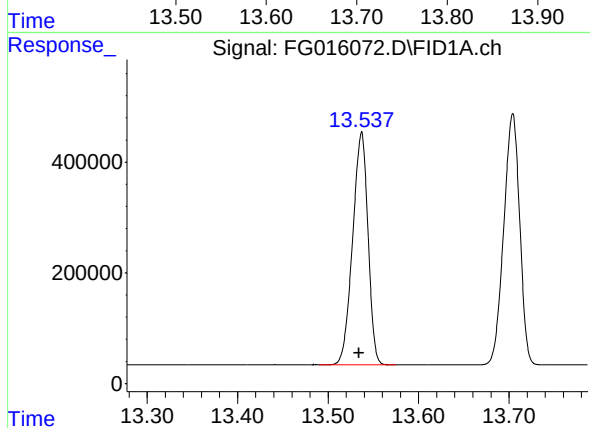
#10 n-Eicosane (C20)

R.T.: 13.088 min
Delta R.T.: 0.002 min
Response: 5586554
Conc: 50.46 ug/ml



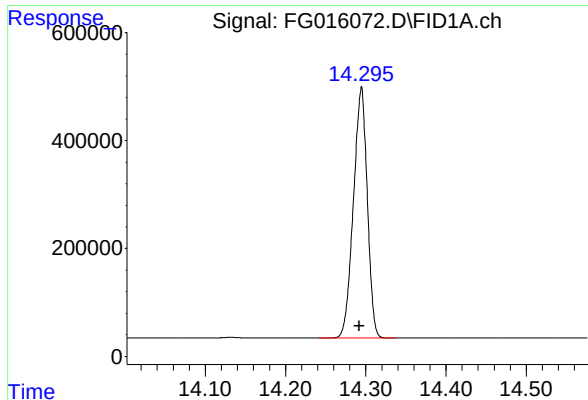
#11 n-Heneicosane (C21)

R.T.: 13.704 min
Delta R.T.: 0.003 min
Response: 5553509
Conc: 50.44 ug/ml



#12 1-chlorooctadecane (SURR)

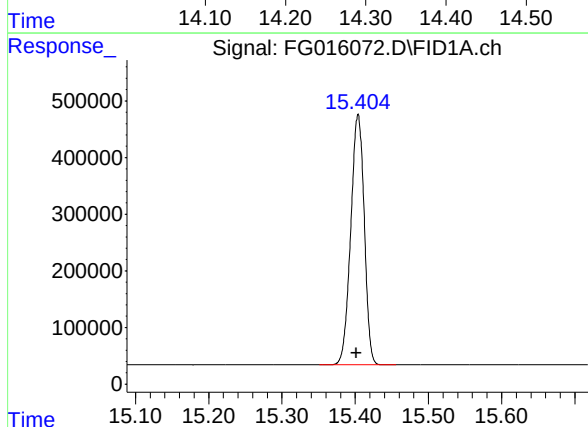
R.T.: 13.537 min
Delta R.T.: 0.003 min
Response: 4942965
Conc: 50.39 ug/ml



#13 n-Docosane (C22)

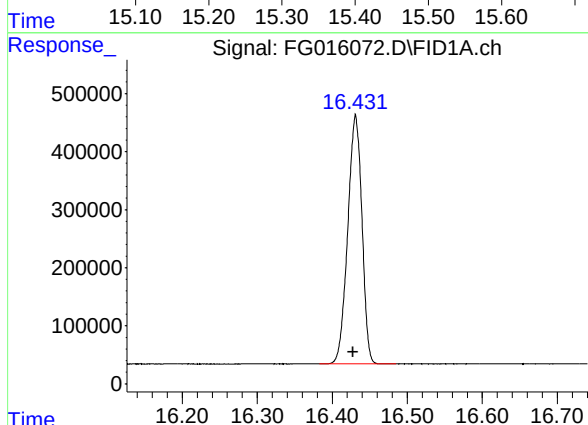
R.T.: 14.295 min
Delta R.T.: 0.003 min
Response: 5578784
Conc: 50.44 ug/ml

Instrument :
FID_G
ClientSampleId :
50 PPM ALIPHATIC HC STD2



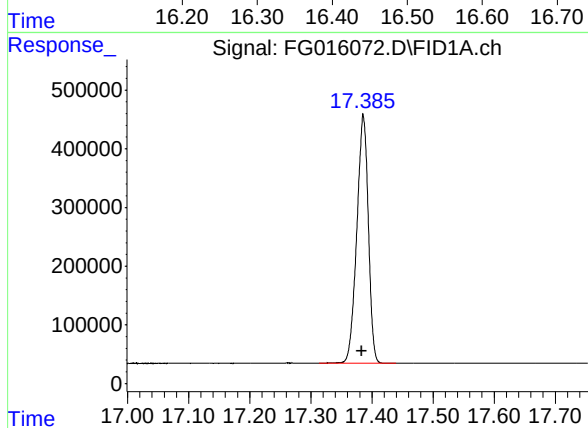
#14 n-Tetracosane (C24)

R.T.: 15.404 min
Delta R.T.: 0.003 min
Response: 5654747
Conc: 50.32 ug/ml



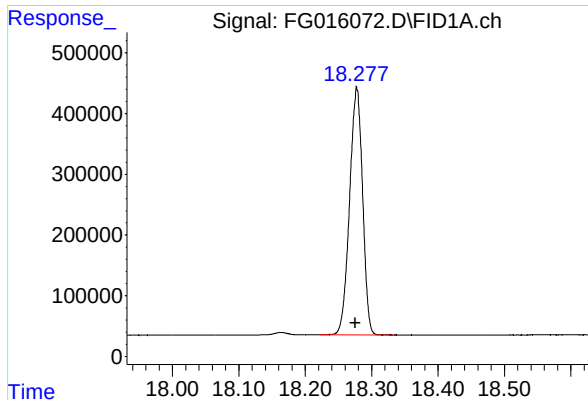
#15 n-Hexacosane (C26)

R.T.: 16.431 min
Delta R.T.: 0.003 min
Response: 5630584
Conc: 50.11 ug/ml



#16 n-Octacosane (C28)

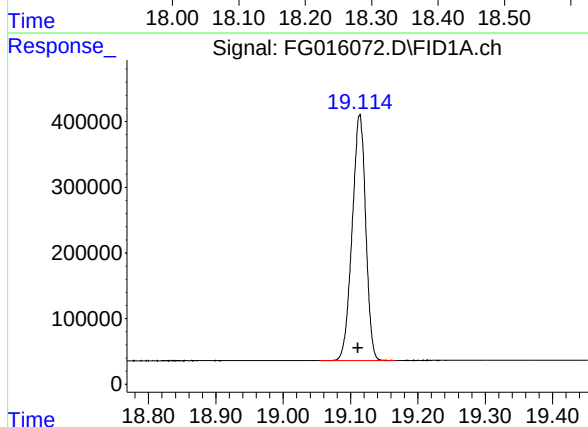
R.T.: 17.386 min
Delta R.T.: 0.003 min
Response: 5542792
Conc: 50.00 ug/ml



#17 n-Tricontane (C30)

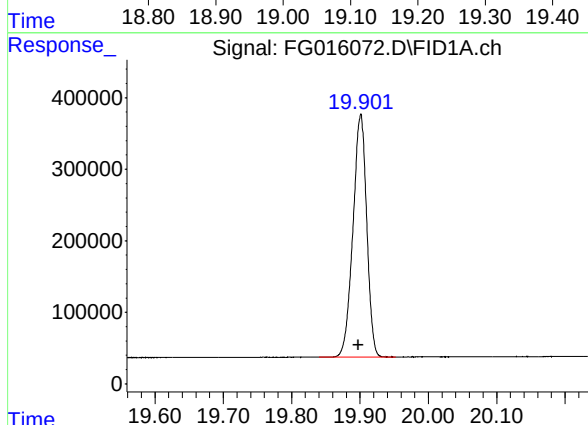
R.T.: 18.278 min
Delta R.T.: 0.003 min
Response: 5543018
Conc: 49.41 ug/ml

Instrument :
FID_G
ClientSampleId :
50 PPM ALIPHATIC HC STD2



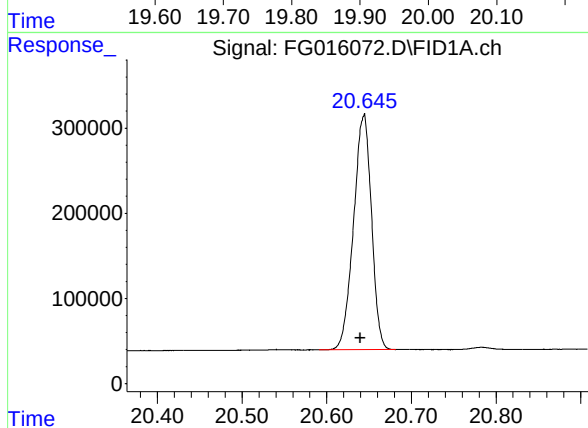
#18 n-Dotriacontane (C32)

R.T.: 19.114 min
Delta R.T.: 0.002 min
Response: 5238666
Conc: 48.88 ug/ml



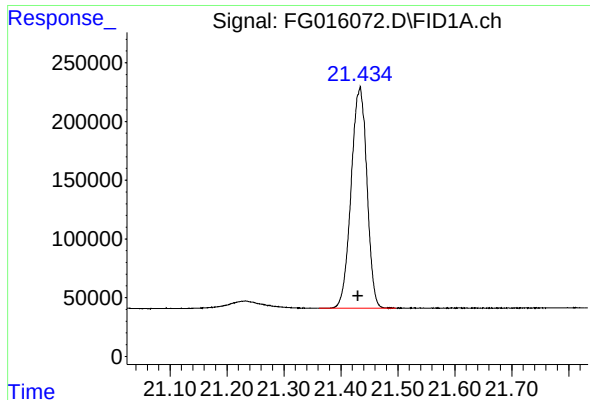
#19 n-Tetratriacontane (C34)

R.T.: 19.901 min
Delta R.T.: 0.003 min
Response: 4741671
Conc: 48.67 ug/ml



#20 n-Hexatriacontane (C36)

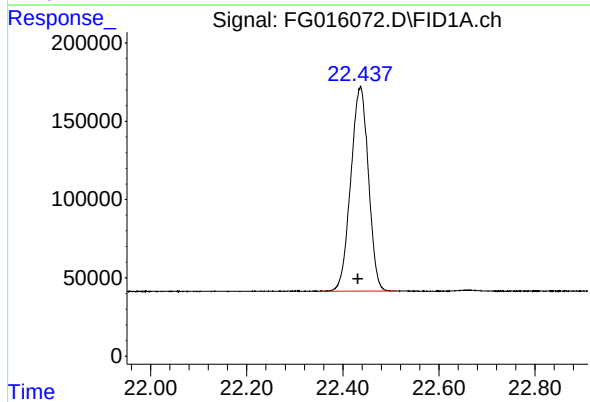
R.T.: 20.644 min
Delta R.T.: 0.004 min
Response: 4064127
Conc: 48.52 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.434 min
Delta R.T.: 0.003 min
Response: 3616216
Conc: 48.57 ug/ml

Instrument :
FID_G
ClientSampleId :
50 PPM ALIPHATIC HC STD2



#22 n-Tetracontane (C40)

R.T.: 22.437 min
Delta R.T.: 0.005 min
Response: 3330661
Conc: 48.73 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG061325AL\
 Data File : FG016072.D
 Signal(s) : FID1A.ch
 Acq On : 13 Jun 2025 14:34
 Sample : 50 PPM ALIPHATIC HC STD2
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 061325.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	3.422	3.391	3.463	BB	543888	5282413	83.54%	4.571%
2	4.681	4.650	4.717	BB	553263	5358787	84.75%	4.637%
3	6.397	6.353	6.434	BV	627309	5839682	92.35%	5.054%
4	6.859	6.813	6.903	BB	542258	5389005	85.22%	4.664%
5	7.499	7.446	7.529	BB	581901	5689440	89.97%	4.924%
6	8.698	8.655	8.744	BB	515326	5364151	84.83%	4.642%
7	10.317	10.273	10.354	BB	520515	5578750	88.22%	4.828%
8	11.770	11.725	11.809	BB	504995	5705865	90.23%	4.938%
9	12.096	12.043	12.139	BB	585107	6323398	100.00%	5.472%
10	13.088	13.035	13.137	BB	456224	5586554	88.35%	4.835%
11	13.537	13.490	13.575	BB	421902	4942965	78.17%	4.278%
12	13.704	13.658	13.743	BB	453752	5553509	87.82%	4.806%
13	14.295	14.242	14.338	BB	467118	5578784	88.22%	4.828%
14	15.404	15.351	15.456	BB	442544	5654747	89.43%	4.894%
15	16.431	16.383	16.485	BB	429618	5630584	89.04%	4.873%
16	17.386	17.313	17.439	BB	423056	5542792	87.66%	4.797%
17	18.278	18.221	18.337	BB	407546	5543018	87.66%	4.797%
18	19.114	19.053	19.168	BB	373275	5238666	82.85%	4.533%
19	19.901	19.840	19.953	BB	339150	4741671	74.99%	4.103%
20	20.644	20.591	20.682	BB	275777	4064127	64.27%	3.517%
21	21.434	21.362	21.497	BB	187569	3616216	57.19%	3.129%
22	22.437	22.350	22.510	BB	130908	3330661	52.67%	2.882%
Sum of corrected areas:						115555784		

Aliphatic EPH 061325.M Mon Jun 16 07:04:16 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG061325AL\
 Data File : FG016073.D
 Signal(s) : FID1A.ch
 Acq On : 13 Jun 2025 15:03
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD3
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 20 PPM ALIPHATIC HC STD3

Integration File: autoint1.e
 Quant Time: Jun 16 06:41:28 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 061325.M
 Quant Title : GC Extractables
 QLast Update : Mon Jun 16 06:39:56 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	12.092	2512588	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
12) S 1-chlorooctadecane (S...	13.534	1961882	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
Target Compounds			
1) T n-Nonane (C9)	3.422	2110859	20.000 ug/ml
2) T n-Decane (C10)	4.680	2141056	20.000 ug/ml
3) T A~Naphthalene (C11.7)	6.395	2334263	20.000 ug/ml
4) T n-Dodecane (C12)	6.858	2147185	20.000 ug/ml
5) T A~2-methylnaphthalene...	7.497	2270238	20.000 ug/ml
6) T n-Tetradecane (C14)	8.697	2136654	20.000 ug/ml
7) T n-Hexadecane (C16)	10.315	2216423	20.000 ug/ml
8) T n-Octadecane (C18)	11.767	2262977	20.000 ug/ml
10) T n-Eicosane (C20)	13.086	2214059	20.000 ug/ml
11) T n-Heneicosane (C21)	13.701	2201898	20.000 ug/ml
13) T n-Docosane (C22)	14.292	2211918	20.000 ug/ml
14) T n-Tetracosane (C24)	15.401	2247523	20.000 ug/ml
15) T n-Hexacosane (C26)	16.428	2247292	20.000 ug/ml
16) T n-Octacosane (C28)	17.383	2217254	20.000 ug/ml
17) T n-Tricontane (C30)	18.275	2243899	20.000 ug/ml
18) T n-Dotriacontane (C32)	19.111	2143536	20.000 ug/ml
19) T n-Tetratriacontane (C34)	19.898	1948322	20.000 ug/ml
20) T n-Hexatriacontane (C36)	20.640	1675390	20.000 ug/ml
21) T n-Octatriacontane (C38)	21.430	1489170	20.000 ug/ml
22) T n-Tetracontane (C40)	22.432	1367074	20.000 ug/ml

(f)=RT Delta > 1/2 Window

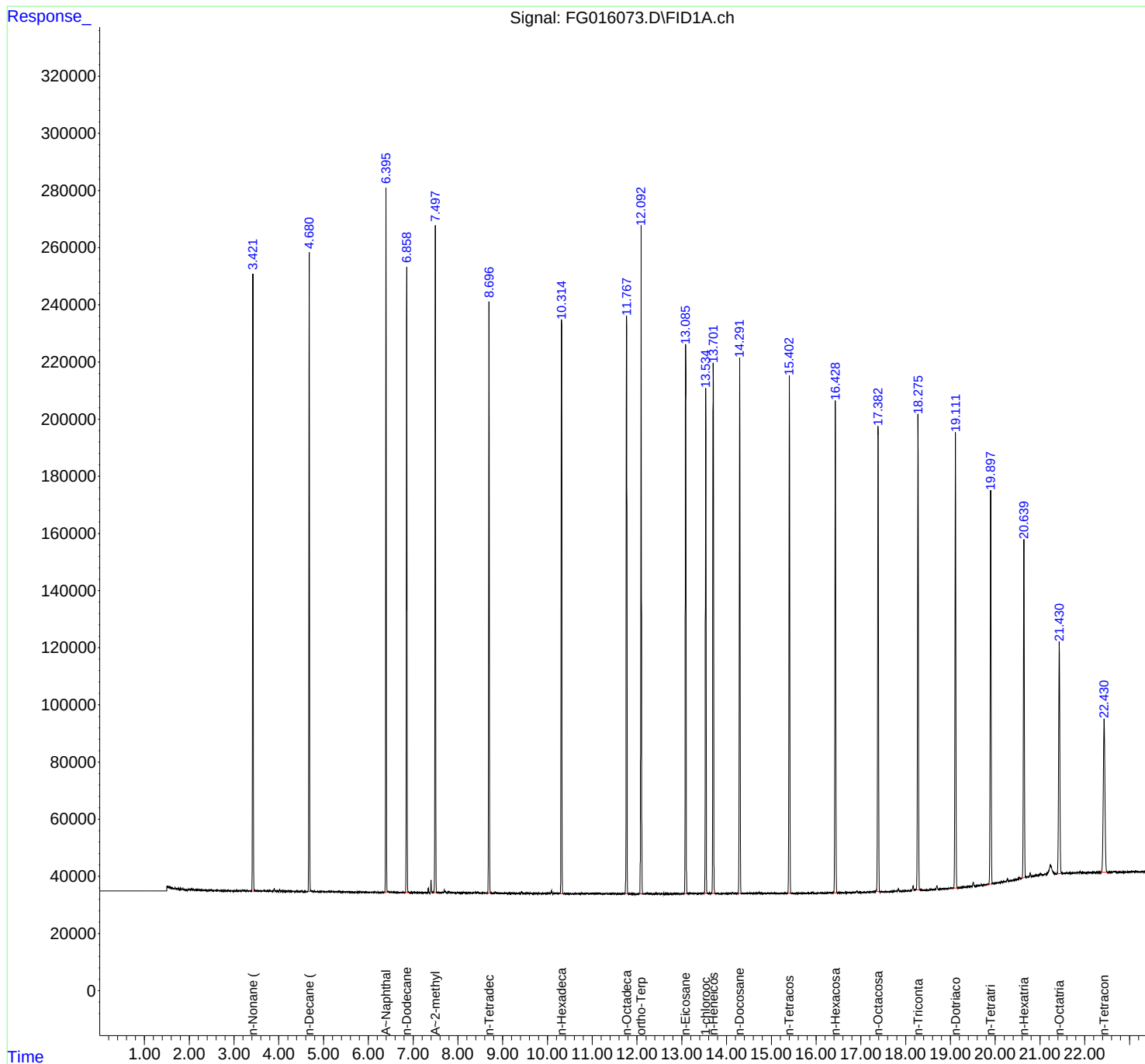
(m)=manual int.

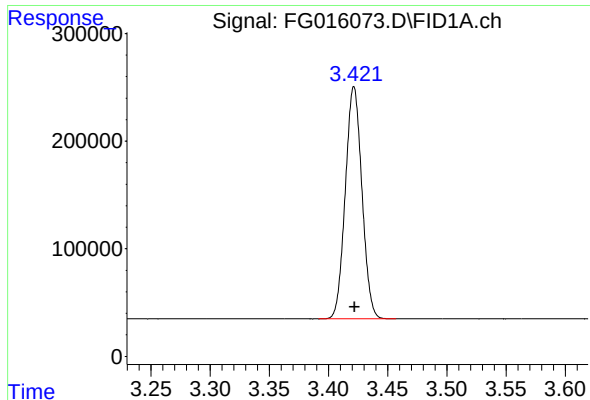
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG061325AL\
Data File : FG016073.D
Signal(s) : FID1A.ch
Acq On : 13 Jun 2025 15:03
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD3
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD3

Integration File: autoint1.e
Quant Time: Jun 16 06:41:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 061325.M
Quant Title : GC Extractables
QLast Update : Mon Jun 16 06:39:56 2025
Response via : Initial Calibration
Integrator: ChemStation

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

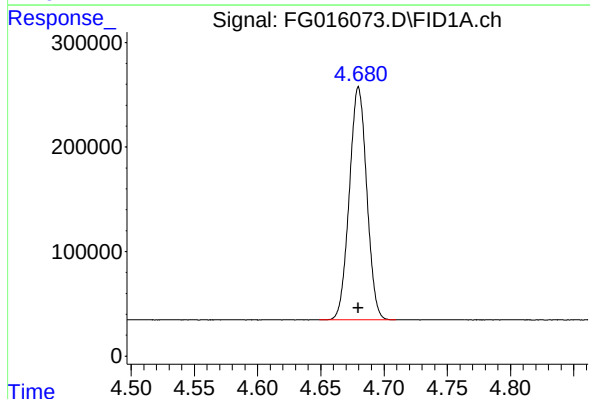




#1 n-Nonane (C9)

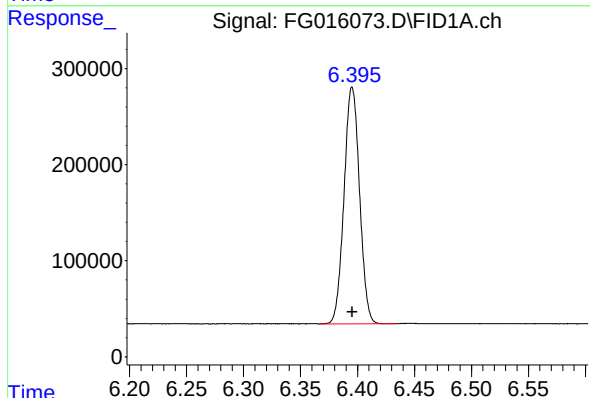
R.T.: 3.422 min
Delta R.T.: 0.000 min
Response: 2110859
Conc: 20.00 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD3



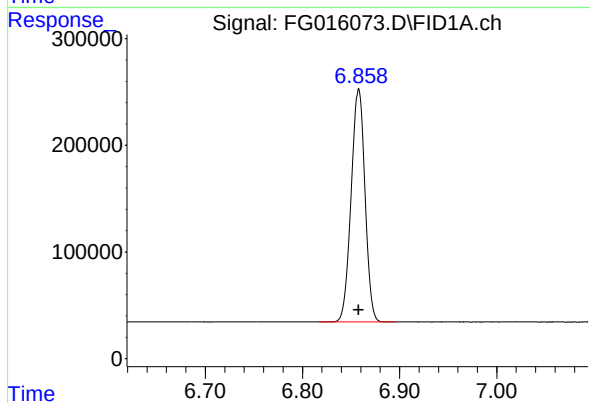
#2 n-Decane (C10)

R.T.: 4.680 min
Delta R.T.: 0.000 min
Response: 2141056
Conc: 20.00 ug/ml



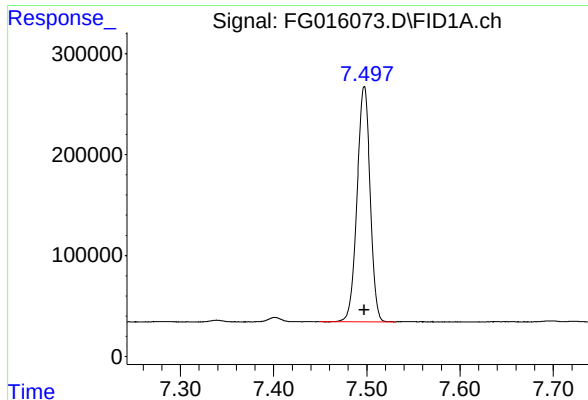
#3 A~Naphthalene (C11.7)

R.T.: 6.395 min
Delta R.T.: 0.000 min
Response: 2334263
Conc: 20.00 ug/ml



#4 n-Dodecane (C12)

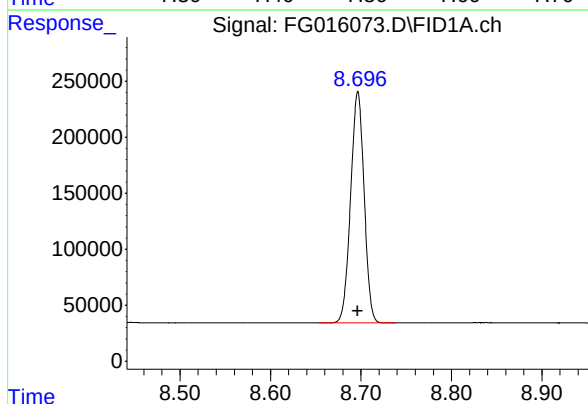
R.T.: 6.858 min
Delta R.T.: 0.000 min
Response: 2147185
Conc: 20.00 ug/ml



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

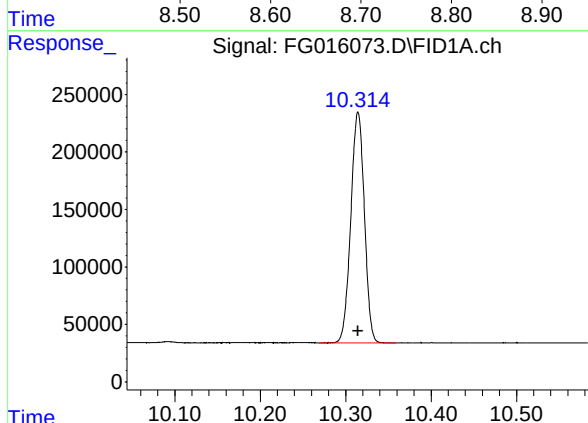
R.T.: 7.497 min
Delta R.T.: 0.000 min
Response: 2270238
Conc: 20.00 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD3



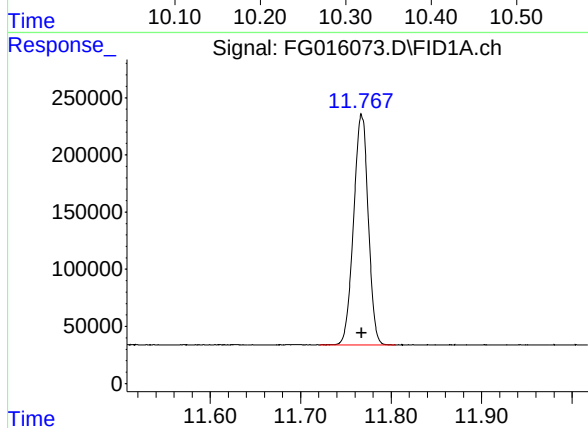
#6 n-Tetradecane (C14)

R.T.: 8.697 min
Delta R.T.: 0.000 min
Response: 2136654
Conc: 20.00 ug/ml



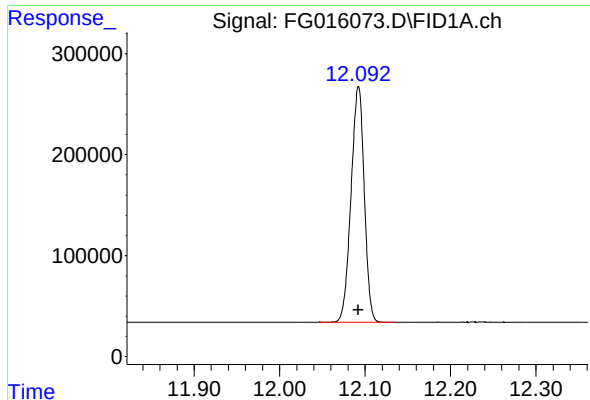
#7 n-Hexadecane (C16)

R.T.: 10.315 min
Delta R.T.: 0.000 min
Response: 2216423
Conc: 20.00 ug/ml



#8 n-Octadecane (C18)

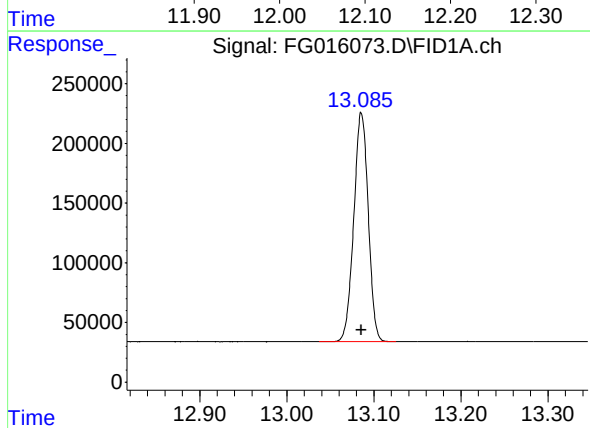
R.T.: 11.767 min
Delta R.T.: 0.000 min
Response: 2262977
Conc: 20.00 ug/ml



#9 ortho-Terphenyl (SURR)

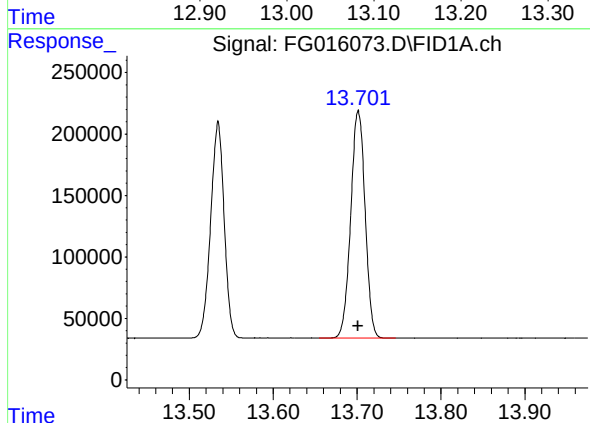
R.T.: 12.092 min
Delta R.T.: 0.000 min
Response: 2512588
Conc: 20.00 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD3



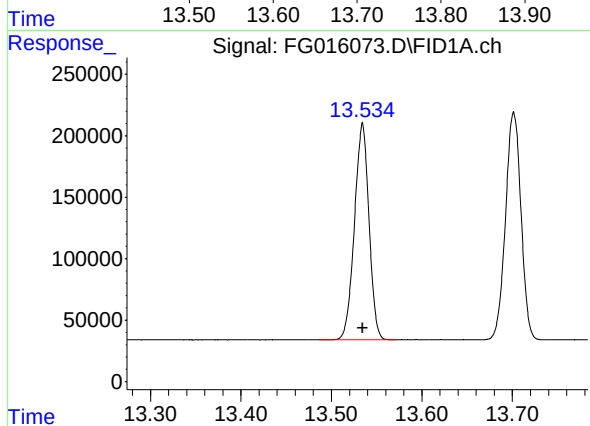
#10 n-Eicosane (C20)

R.T.: 13.086 min
Delta R.T.: 0.000 min
Response: 2214059
Conc: 20.00 ug/ml



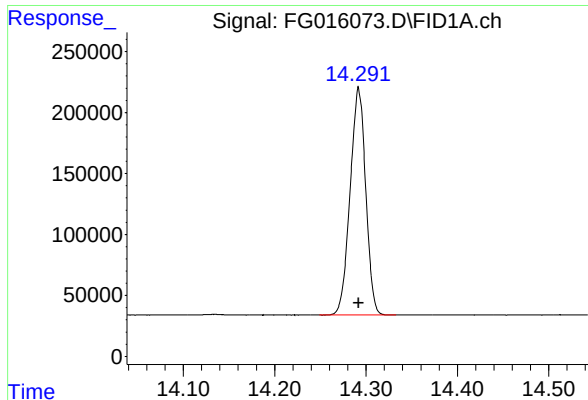
#11 n-Heneicosane (C21)

R.T.: 13.701 min
Delta R.T.: 0.000 min
Response: 2201898
Conc: 20.00 ug/ml



#12 1-chlorooctadecane (SURR)

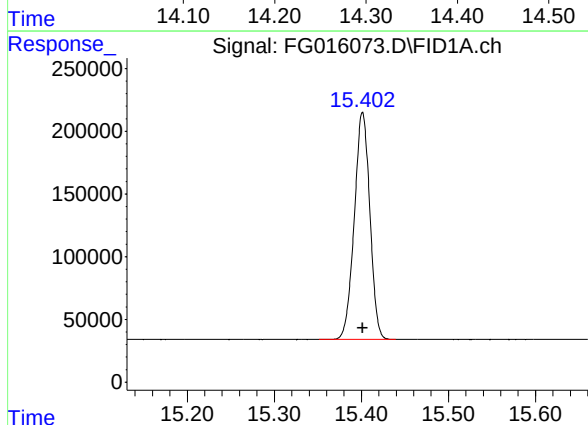
R.T.: 13.534 min
Delta R.T.: 0.000 min
Response: 1961882
Conc: 20.00 ug/ml



#13 n-Docosane (C22)

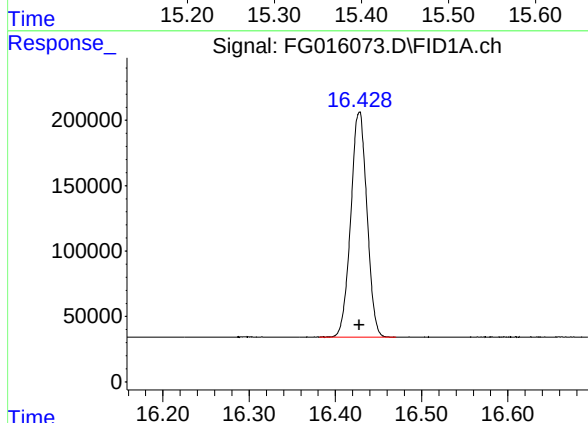
R.T.: 14.292 min
Delta R.T.: 0.000 min
Response: 2211918
Conc: 20.00 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD3



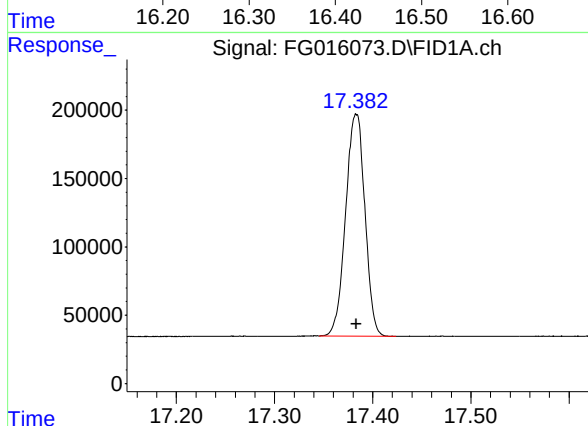
#14 n-Tetracosane (C24)

R.T.: 15.401 min
Delta R.T.: 0.000 min
Response: 2247523
Conc: 20.00 ug/ml



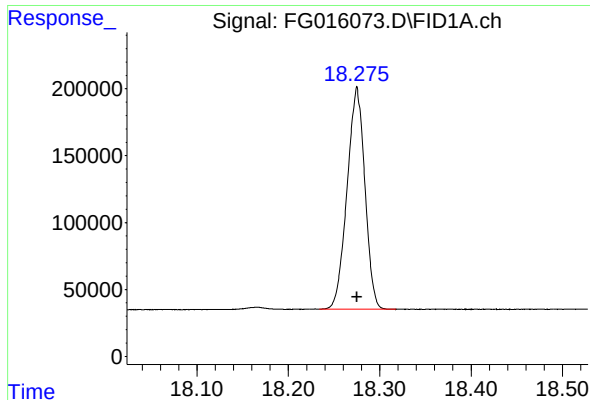
#15 n-Hexacosane (C26)

R.T.: 16.428 min
Delta R.T.: 0.000 min
Response: 2247292
Conc: 20.00 ug/ml



#16 n-Octacosane (C28)

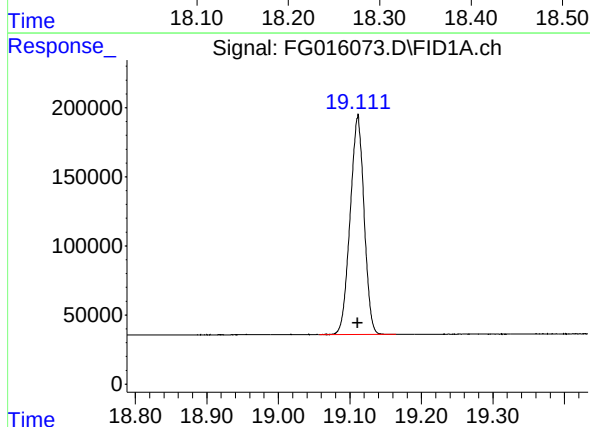
R.T.: 17.383 min
Delta R.T.: 0.000 min
Response: 2217254
Conc: 20.00 ug/ml



#17 n-Tricontane (C30)

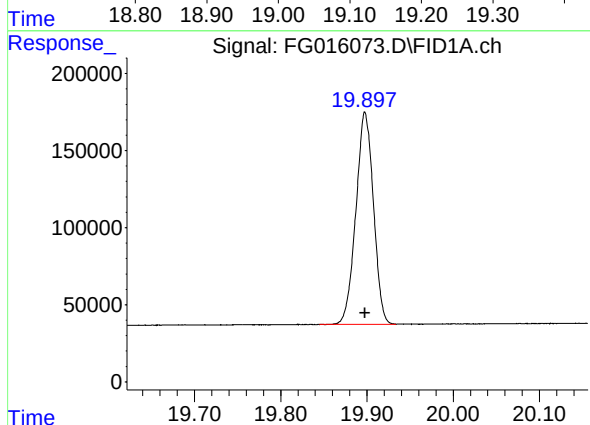
R.T.: 18.275 min
Delta R.T.: 0.000 min
Response: 2243899
Conc: 20.00 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD3



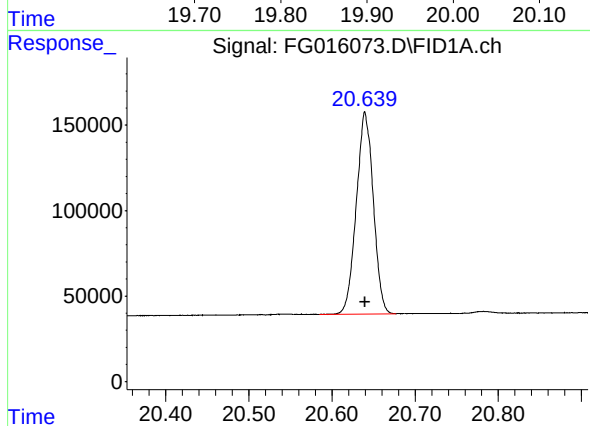
#18 n-Dotriacontane (C32)

R.T.: 19.111 min
Delta R.T.: 0.000 min
Response: 2143536
Conc: 20.00 ug/ml



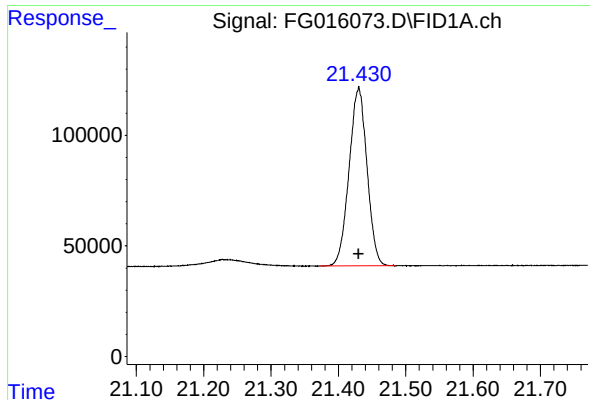
#19 n-Tetratriacontane (C34)

R.T.: 19.898 min
Delta R.T.: 0.000 min
Response: 1948322
Conc: 20.00 ug/ml



#20 n-Hexatriacontane (C36)

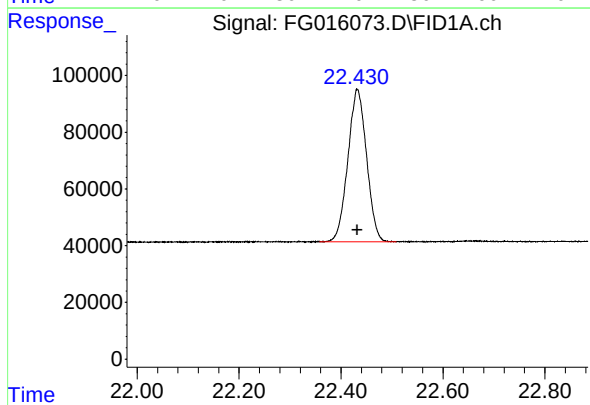
R.T.: 20.640 min
Delta R.T.: 0.000 min
Response: 1675390
Conc: 20.00 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.430 min
Delta R.T.: 0.000 min
Response: 1489170
Conc: 20.00 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD3



#22 n-Tetracontane (C40)

R.T.: 22.432 min
Delta R.T.: 0.000 min
Response: 1367074
Conc: 20.00 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG061325AL\
Data File : FG016073.D
Signal(s) : FID1A.ch
Acq On : 13 Jun 2025 15:03
Sample : 20 PPM ALIPHATIC HC STD3
Misc :
ALS Vial : 23 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 061325.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	3.422	3.392	3.457	BB	215954	2110859	84.01%	4.559%
2	4.680	4.649	4.710	BB	223012	2141056	85.21%	4.624%
3	6.395	6.366	6.434	BB	246459	2334263	92.90%	5.041%
4	6.858	6.817	6.896	BB	218683	2147185	85.46%	4.637%
5	7.497	7.449	7.531	BB	233356	2270238	90.35%	4.903%
6	8.697	8.654	8.739	BB	207028	2136654	85.04%	4.615%
7	10.315	10.269	10.359	BB	200667	2216423	88.21%	4.787%
8	11.767	11.720	11.805	BB	200267	2262977	90.07%	4.887%
9	12.092	12.046	12.136	BB	233767	2512588	100.00%	5.427%
10	13.086	13.037	13.125	BB	191623	2214059	88.12%	4.782%
11	13.534	13.486	13.571	BB	176573	1961882	78.08%	4.237%
12	13.701	13.655	13.746	BB	185016	2201898	87.63%	4.756%
13	14.292	14.249	14.333	BB	186757	2211918	88.03%	4.777%
14	15.401	15.351	15.440	BB	180924	2247523	89.45%	4.854%
15	16.428	16.381	16.470	BB	171976	2247292	89.44%	4.854%
16	17.383	17.345	17.424	BB	161770	2217254	88.25%	4.789%
17	18.275	18.234	18.318	BB	166537	2243899	89.31%	4.846%
18	19.111	19.057	19.165	BB	158160	2143536	85.31%	4.630%
19	19.898	19.845	19.934	BB	137655	1948322	77.54%	4.208%
20	20.640	20.585	20.677	BB	118225	1675390	66.68%	3.618%
21	21.430	21.371	21.485	BB	81200	1489170	59.27%	3.216%
22	22.432	22.357	22.508	BB	53553	1367074	54.41%	2.953%
Sum of corrected areas:							46301461	

Aliphatic EPH 061325.M Mon Jun 16 07:05:26 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG061325AL\
 Data File : FG016074.D
 Signal(s) : FID1A.ch
 Acq On : 13 Jun 2025 15:33
 Operator : YP\AJ
 Sample : 10 PPM ALIPHATIC HC STD4
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 10 PPM ALIPHATIC HC STD4

Integration File: autoint1.e
 Quant Time: Jun 16 06:41:48 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 061325.M
 Quant Title : GC Extractables
 QLast Update : Mon Jun 16 06:39:56 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	12.091	1286511	10.241 ug/ml
Spiked Amount 50.000		Recovery =	20.48%
12) S 1-chlorooctadecane (S...	13.534	1004341	10.239 ug/ml
Spiked Amount 50.000		Recovery =	20.48%
Target Compounds			
1) T n-Nonane (C9)	3.421	1080527	10.238 ug/ml
2) T n-Decane (C10)	4.680	1095102	10.230 ug/ml
3) T A~Naphthalene (C11.7)	6.396	1191754	10.211 ug/ml
4) T n-Dodecane (C12)	6.858	1097786	10.225 ug/ml
5) T A~2-methylnaphthalene...	7.497	1159323	10.213 ug/ml
6) T n-Tetradecane (C14)	8.696	1095723	10.256 ug/ml
7) T n-Hexadecane (C16)	10.314	1133303	10.226 ug/ml
8) T n-Octadecane (C18)	11.766	1158461	10.238 ug/ml
10) T n-Eicosane (C20)	13.084	1134527	10.248 ug/ml
11) T n-Heneicosane (C21)	13.701	1127454	10.241 ug/ml
13) T n-Docosane (C22)	14.290	1133031	10.245 ug/ml
14) T n-Tetracosane (C24)	15.400	1150621	10.239 ug/ml
15) T n-Hexacosane (C26)	16.427	1150749	10.241 ug/ml
16) T n-Octacosane (C28)	17.382	1138837	10.272 ug/ml
17) T n-Tricontane (C30)	18.273	1151501	10.263 ug/ml
18) T n-Dotriacontane (C32)	19.110	1100779	10.271 ug/ml
19) T n-Tetratriacontane (C34)	19.897	1003430	10.300 ug/ml
20) T n-Hexatriacontane (C36)	20.641	862082	10.291 ug/ml
21) T n-Octatriacontane (C38)	21.429	766676	10.297 ug/ml
22) T n-Tetracontane (C40)	22.435	703828	10.297 ug/ml

(f)=RT Delta > 1/2 Window

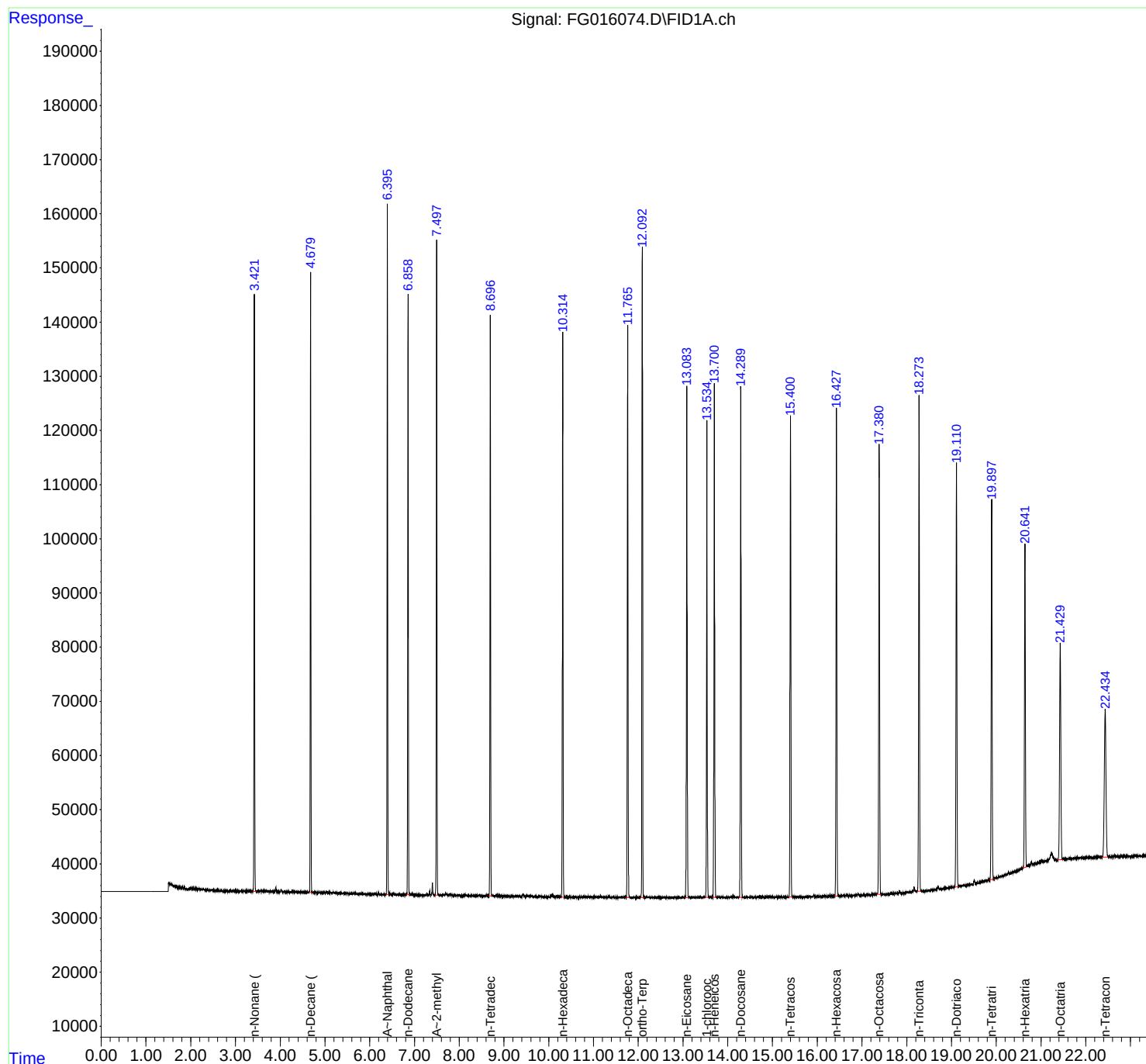
(m)=manual int.

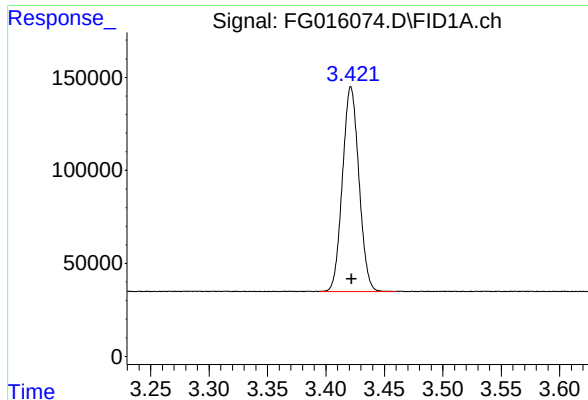
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG061325AL\
Data File : FG016074.D
Signal(s) : FID1A.ch
Acq On : 13 Jun 2025 15:33
Operator : YP\AJ
Sample : 10 PPM ALIPHATIC HC STD4
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
10 PPM ALIPHATIC HC STD4

Integration File: autoint1.e
Quant Time: Jun 16 06:41:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 061325.M
Quant Title : GC Extractables
QLast Update : Mon Jun 16 06:39:56 2025
Response via : Initial Calibration
Integrator: ChemStation

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

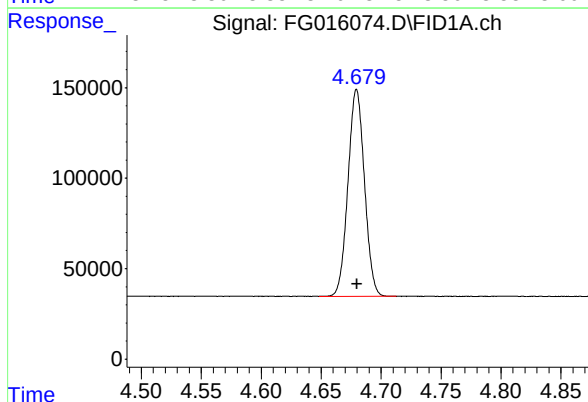




#1 n-Nonane (C9)

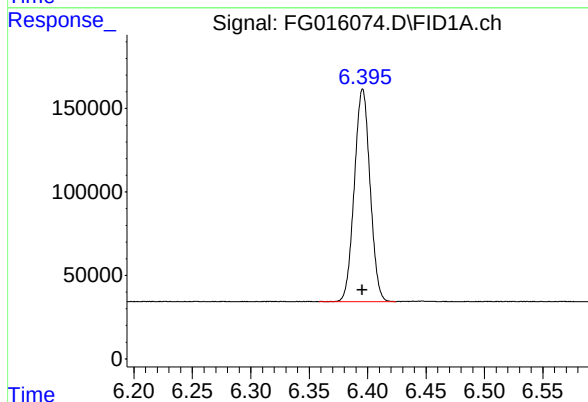
R.T.: 3.421 min
Delta R.T.: 0.000 min
Response: 1080527
Conc: 10.24 ug/ml

Instrument :
FID_G
ClientSampleId :
10 PPM ALIPHATIC HC STD4



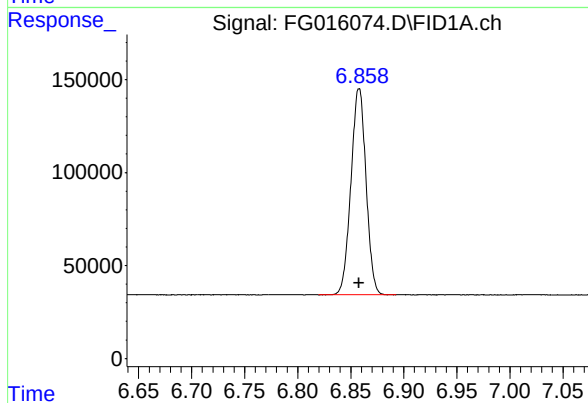
#2 n-Decane (C10)

R.T.: 4.680 min
Delta R.T.: 0.000 min
Response: 1095102
Conc: 10.23 ug/ml



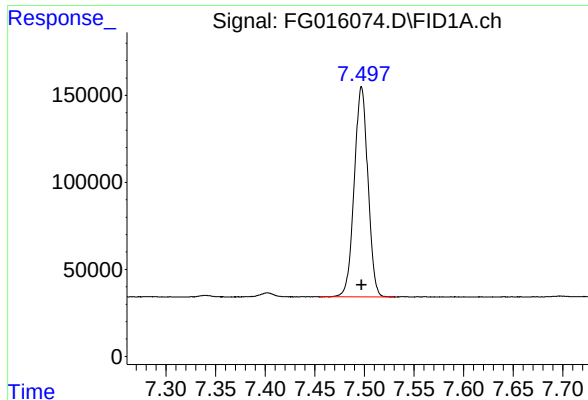
#3 A~Naphthalene (C11.7)

R.T.: 6.396 min
Delta R.T.: 0.000 min
Response: 1191754
Conc: 10.21 ug/ml



#4 n-Dodecane (C12)

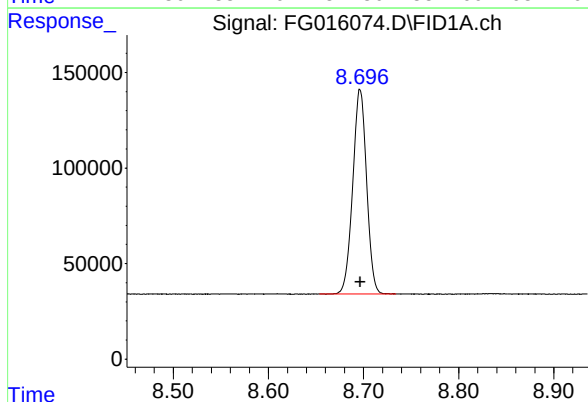
R.T.: 6.858 min
Delta R.T.: 0.000 min
Response: 1097786
Conc: 10.23 ug/ml



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

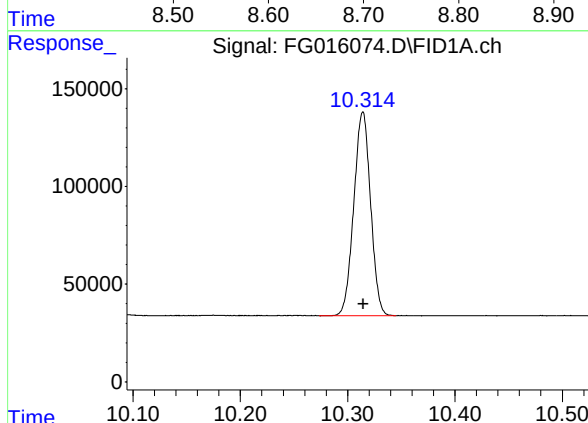
R.T.: 7.497 min
Delta R.T.: 0.000 min
Response: 1159323
Conc: 10.21 ug/ml

Instrument :
FID_G
ClientSampleId :
10 PPM ALIPHATIC HC STD4



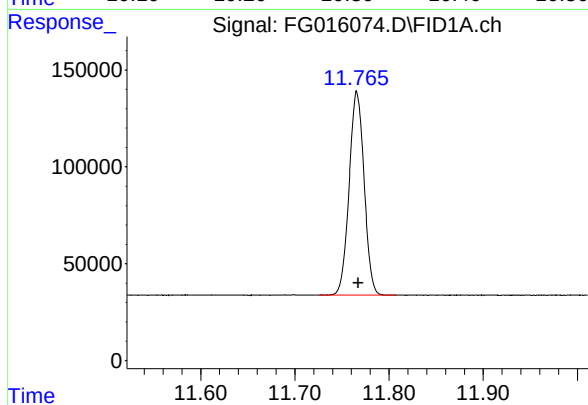
#6 n-Tetradecane (C14)

R.T.: 8.696 min
Delta R.T.: 0.000 min
Response: 1095723
Conc: 10.26 ug/ml



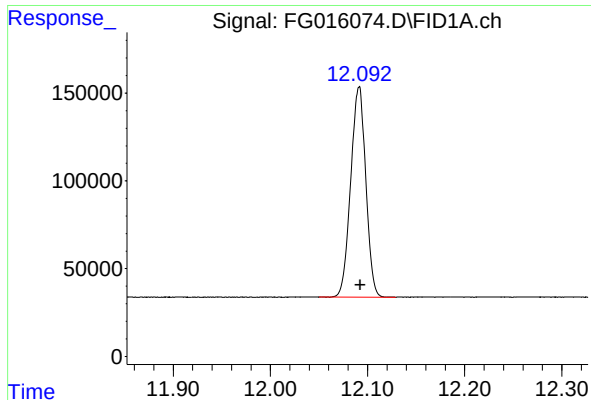
#7 n-Hexadecane (C16)

R.T.: 10.314 min
Delta R.T.: 0.000 min
Response: 1133303
Conc: 10.23 ug/ml



#8 n-Octadecane (C18)

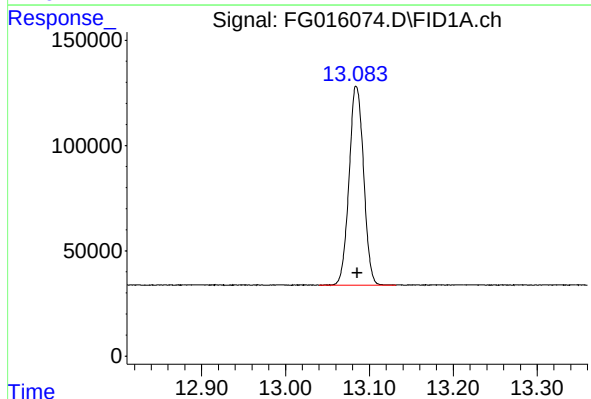
R.T.: 11.766 min
Delta R.T.: -0.002 min
Response: 1158461
Conc: 10.24 ug/ml



#9 ortho-Terphenyl (SURR)

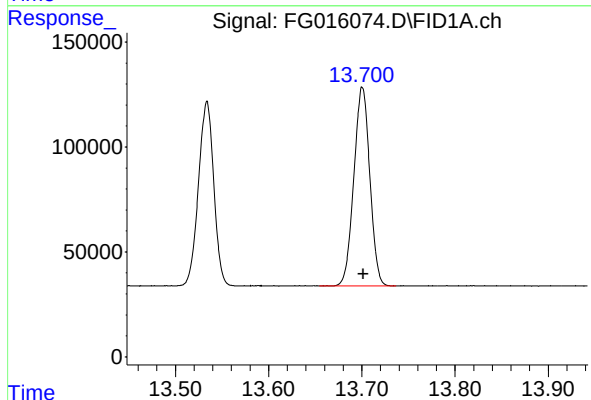
R.T.: 12.091 min
Delta R.T.: -0.001 min
Response: 1286511
Conc: 10.24 ug/ml

Instrument :
FID_G
ClientSampleId :
10 PPM ALIPHATIC HC STD4



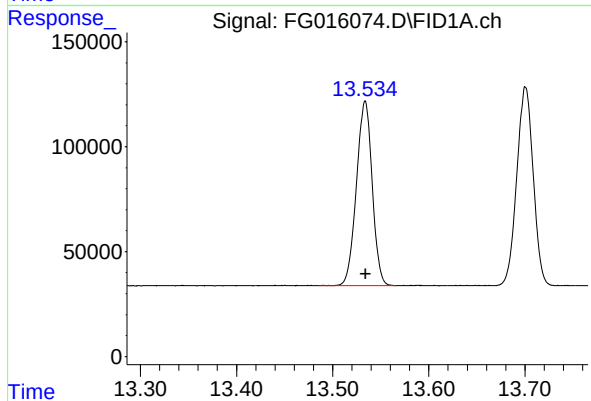
#10 n-Eicosane (C20)

R.T.: 13.084 min
Delta R.T.: -0.001 min
Response: 1134527
Conc: 10.25 ug/ml



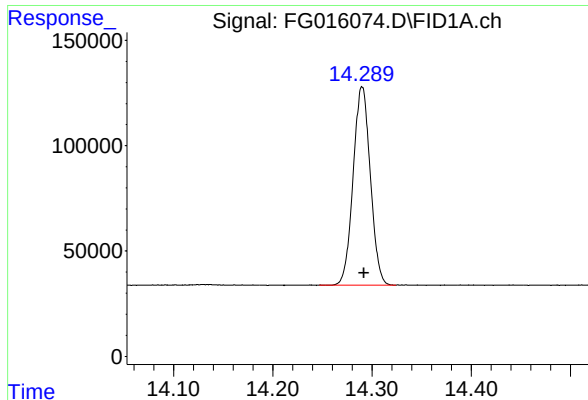
#11 n-Heneicosane (C21)

R.T.: 13.701 min
Delta R.T.: 0.000 min
Response: 1127454
Conc: 10.24 ug/ml



#12 1-chlorooctadecane (SURR)

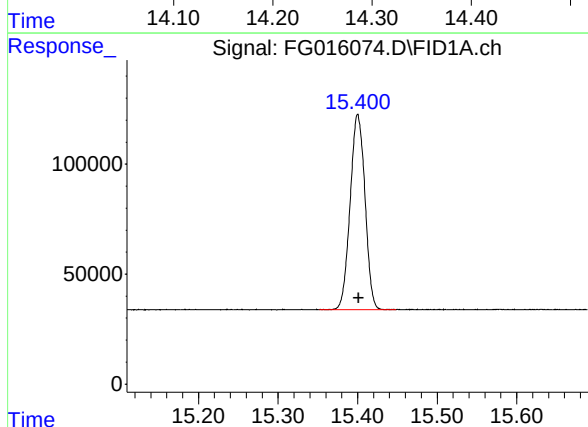
R.T.: 13.534 min
Delta R.T.: 0.000 min
Response: 1004341
Conc: 10.24 ug/ml



#13 n-Docosane (C22)

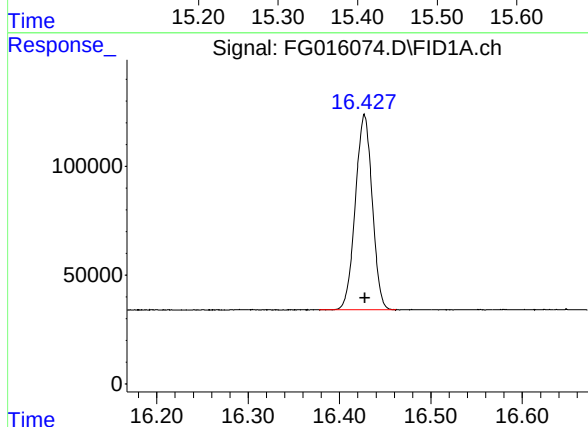
R.T.: 14.290 min
Delta R.T.: -0.002 min
Response: 1133031
Conc: 10.24 ug/ml

Instrument :
FID_G
ClientSampleId :
10 PPM ALIPHATIC HC STD4



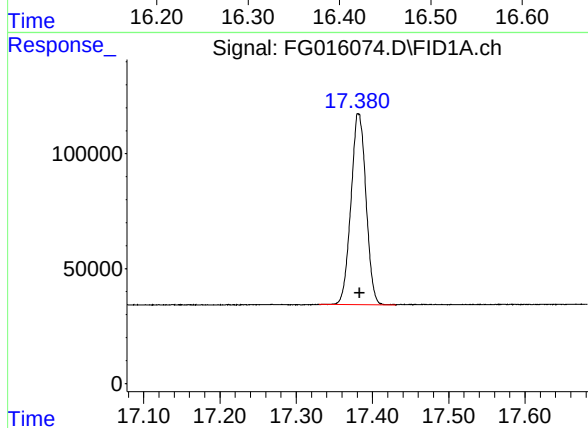
#14 n-Tetracosane (C24)

R.T.: 15.400 min
Delta R.T.: -0.001 min
Response: 1150621
Conc: 10.24 ug/ml



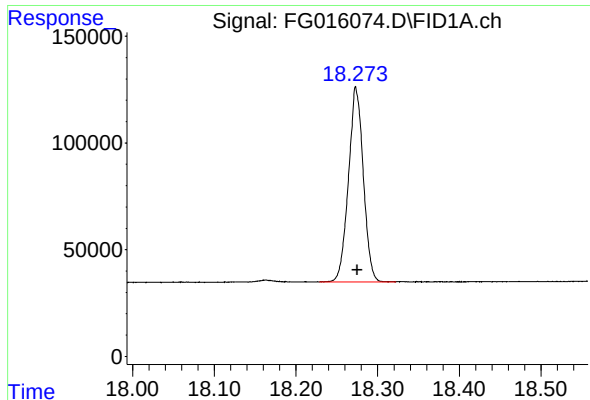
#15 n-Hexacosane (C26)

R.T.: 16.427 min
Delta R.T.: 0.000 min
Response: 1150749
Conc: 10.24 ug/ml



#16 n-Octacosane (C28)

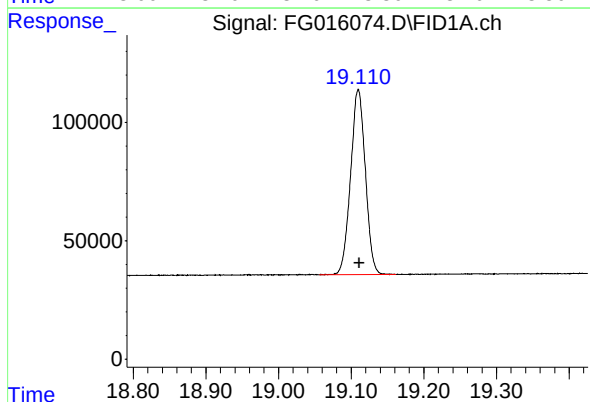
R.T.: 17.382 min
Delta R.T.: -0.002 min
Response: 1138837
Conc: 10.27 ug/ml



#17 n-Tricontane (C30)

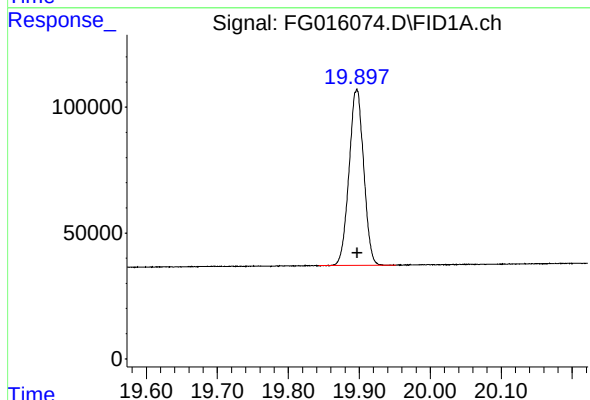
R.T.: 18.273 min
Delta R.T.: -0.002 min
Response: 1151501
Conc: 10.26 ug/ml

Instrument :
FID_G
ClientSampleId :
10 PPM ALIPHATIC HC STD4



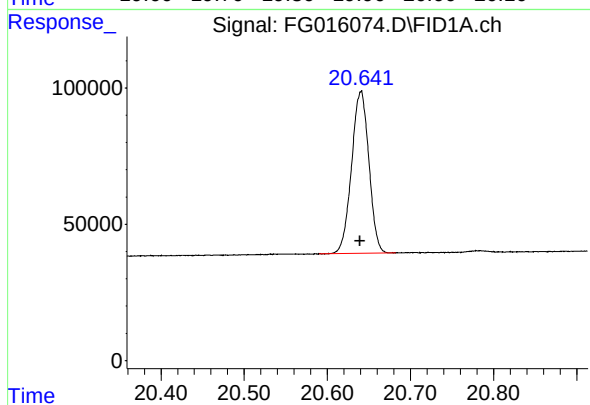
#18 n-Dotriacontane (C32)

R.T.: 19.110 min
Delta R.T.: -0.001 min
Response: 1100779
Conc: 10.27 ug/ml



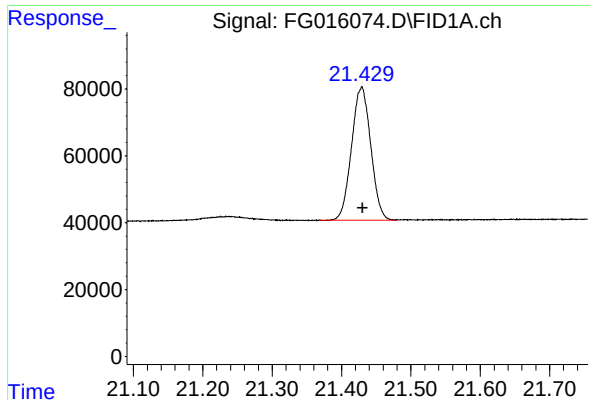
#19 n-Tetatriacontane (C34)

R.T.: 19.897 min
Delta R.T.: -0.001 min
Response: 1003430
Conc: 10.30 ug/ml



#20 n-Hexatriacontane (C36)

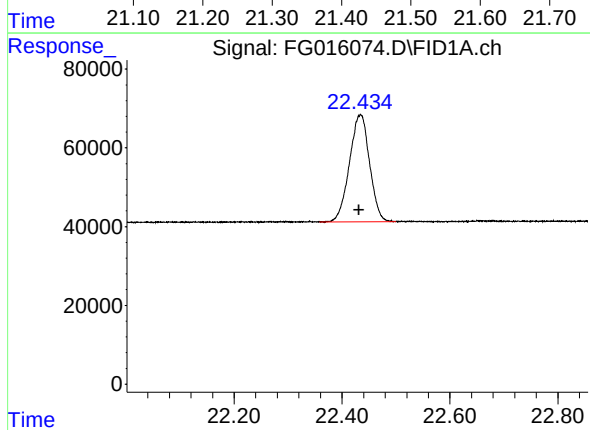
R.T.: 20.641 min
Delta R.T.: 0.000 min
Response: 862082
Conc: 10.29 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.429 min
Delta R.T.: 0.000 min
Response: 766676
Conc: 10.30 ug/ml

Instrument :
FID_G
ClientSampleId :
10 PPM ALIPHATIC HC STD4



#22 n-Tetracontane (C40)

R.T.: 22.435 min
Delta R.T.: 0.003 min
Response: 703828
Conc: 10.30 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG061325AL\
Data File : FG016074.D
Signal(s) : FID1A.ch
Acq On : 13 Jun 2025 15:33
Sample : 10 PPM ALIPHATIC HC STD4
Misc :
ALS Vial : 24 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 061325.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	3.421	3.394	3.460	BB	110148	1080527	83.99%	4.554%
2	4.680	4.648	4.713	BB	114547	1095102	85.12%	4.616%
3	6.396	6.358	6.424	BB	127447	1191754	92.63%	5.023%
4	6.858	6.820	6.893	BB	110851	1097786	85.33%	4.627%
5	7.497	7.454	7.532	BB	120590	1159323	90.11%	4.886%
6	8.696	8.653	8.734	BB	106899	1095723	85.17%	4.618%
7	10.314	10.273	10.345	BB	104318	1133303	88.09%	4.777%
8	11.766	11.726	11.808	BB	105022	1158461	90.05%	4.883%
9	12.091	12.050	12.129	BB	119787	1286511	100.00%	5.422%
10	13.084	13.040	13.132	BB	94323	1134527	88.19%	4.782%
11	13.534	13.486	13.566	BB	88092	1004341	78.07%	4.233%
12	13.701	13.654	13.737	BB	94496	1127454	87.64%	4.752%
13	14.290	14.247	14.324	BB	94175	1133031	88.07%	4.775%
14	15.400	15.352	15.448	BB	88694	1150621	89.44%	4.850%
15	16.427	16.378	16.462	BB	89763	1150749	89.45%	4.850%
16	17.382	17.330	17.431	BB	82997	1138837	88.52%	4.800%
17	18.273	18.228	18.323	BB	91227	1151501	89.51%	4.853%
18	19.110	19.056	19.162	BB	78328	1100779	85.56%	4.639%
19	19.897	19.843	19.952	BB	70173	1003430	78.00%	4.229%
20	20.641	20.590	20.683	BB	59420	862082	67.01%	3.633%
21	21.429	21.368	21.478	BB	39978	766676	59.59%	3.231%
22	22.435	22.358	22.500	BB	27167	703828	54.71%	2.966%
Sum of corrected areas:							23726347	

Aliphatic EPH 061325.M Mon Jun 16 07:05:41 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG061325AL\
 Data File : FG016075.D
 Signal(s) : FID1A.ch
 Acq On : 13 Jun 2025 16:02
 Operator : YP\AJ
 Sample : 5 PPM ALIPHATIC HC STD5
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 5 PPM ALIPHATIC HC STD5

Integration File: autoint1.e
 Quant Time: Jun 16 06:42:09 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 061325.M
 Quant Title : GC Extractables
 QLast Update : Mon Jun 16 06:39:56 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	12.089	705923	5.619 ug/ml
Spiked Amount 50.000		Recovery =	11.24%
12) S 1-chlorooctadecane (S...	13.532	550881	5.616 ug/ml
Spiked Amount 50.000		Recovery =	11.23%
Target Compounds			
1) T n-Nonane (C9)	3.422	595428	5.642 ug/ml
2) T n-Decane (C10)	4.680	602565	5.629 ug/ml
3) T A~Naphthalene (C11.7)	6.396	656045	5.621 ug/ml
4) T n-Dodecane (C12)	6.857	603165	5.618 ug/ml
5) T A~2-methylnaphthalene...	7.497	638058	5.621 ug/ml
6) T n-Tetradecane (C14)	8.696	604003	5.654 ug/ml
7) T n-Hexadecane (C16)	10.313	622758	5.619 ug/ml
8) T n-Octadecane (C18)	11.766	638246	5.641 ug/ml
10) T n-Eicosane (C20)	13.084	621489	5.614 ug/ml
11) T n-Heneicosane (C21)	13.701	620307	5.634 ug/ml
13) T n-Docosane (C22)	14.290	622270	5.627 ug/ml
14) T n-Tetracosane (C24)	15.400	632301	5.627 ug/ml
15) T n-Hexacosane (C26)	16.427	632980	5.633 ug/ml
16) T n-Octacosane (C28)	17.382	626234	5.649 ug/ml
17) T n-Tricontane (C30)	18.273	640242	5.707 ug/ml
18) T n-Dotriacontane (C32)	19.110	615463	5.743 ug/ml
19) T n-Tetratriacontane (C34)	19.897	558031	5.728 ug/ml
20) T n-Hexatriacontane (C36)	20.640	476929	5.693 ug/ml
21) T n-Octatriacontane (C38)	21.428	423048	5.682 ug/ml
22) T n-Tetracontane (C40)	22.431	380088	5.561 ug/ml

(f)=RT Delta > 1/2 Window

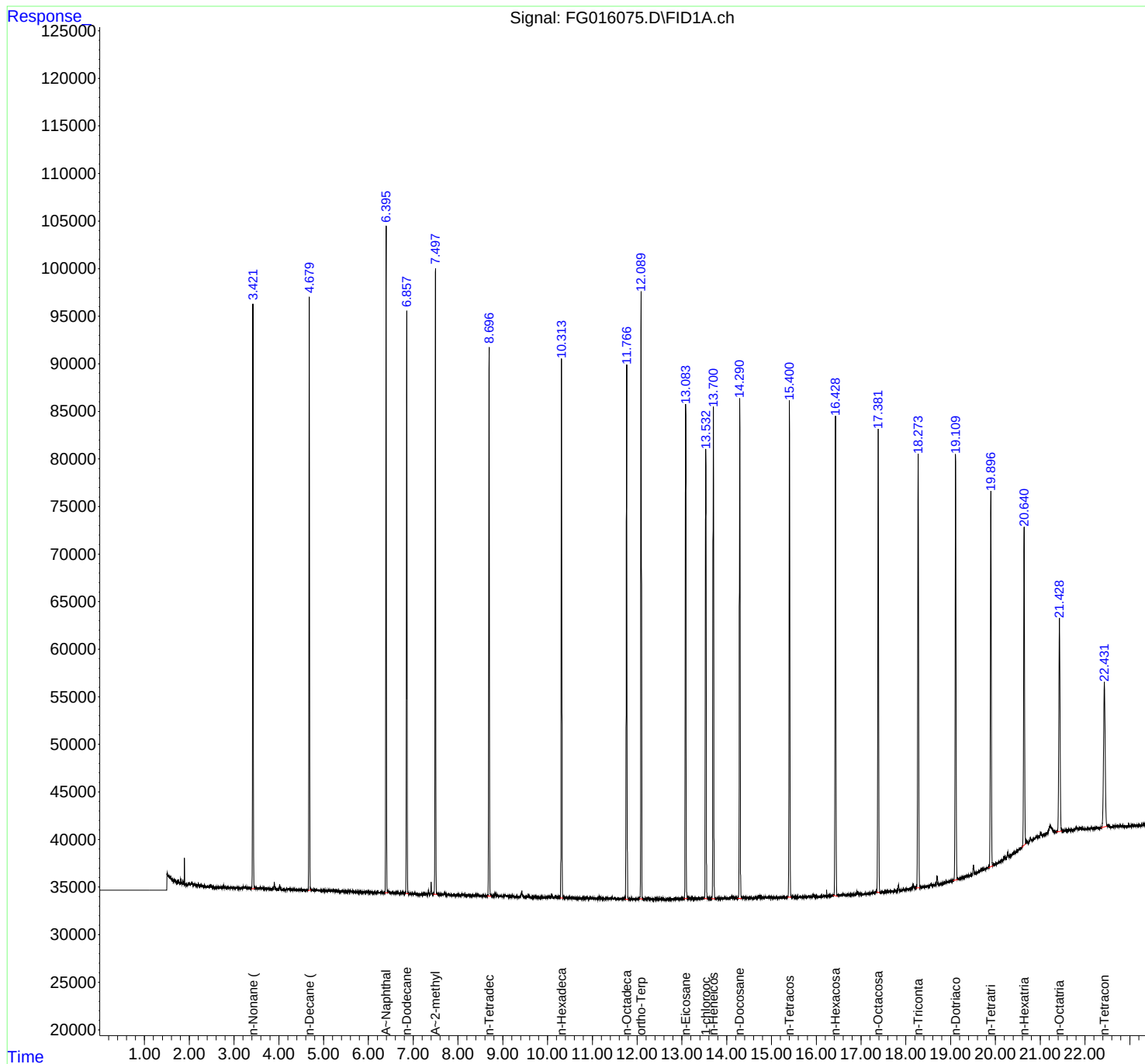
(m)=manual int.

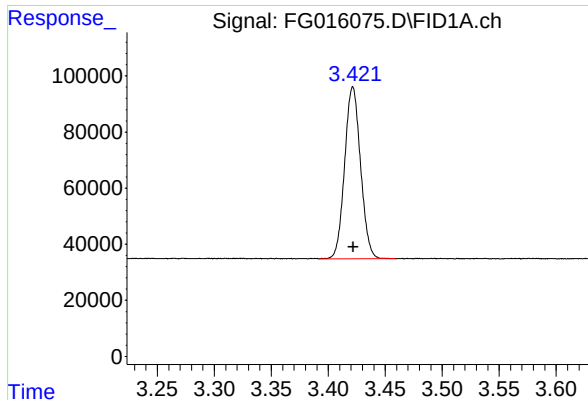
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG061325AL\
Data File : FG016075.D
Signal(s) : FID1A.ch
Acq On : 13 Jun 2025 16:02
Operator : YP\AJ
Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
5 PPM ALIPHATIC HC STD5

Integration File: autoint1.e
Quant Time: Jun 16 06:42:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 061325.M
Quant Title : GC Extractables
QLast Update : Mon Jun 16 06:39:56 2025
Response via : Initial Calibration
Integrator: ChemStation

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

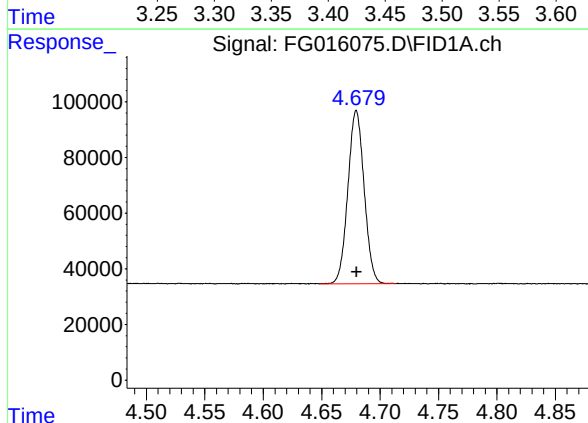




#1 n-Nonane (C9)

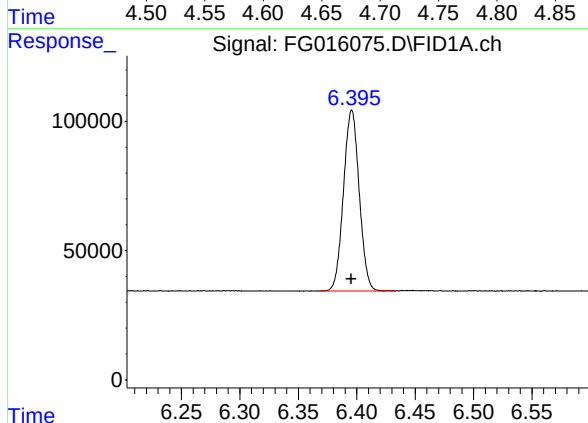
R.T.: 3.422 min
Delta R.T.: 0.000 min
Response: 595428
Conc: 5.64 ug/ml

Instrument :
FID_G
ClientSampleId :
5 PPM ALIPHATIC HC STD5



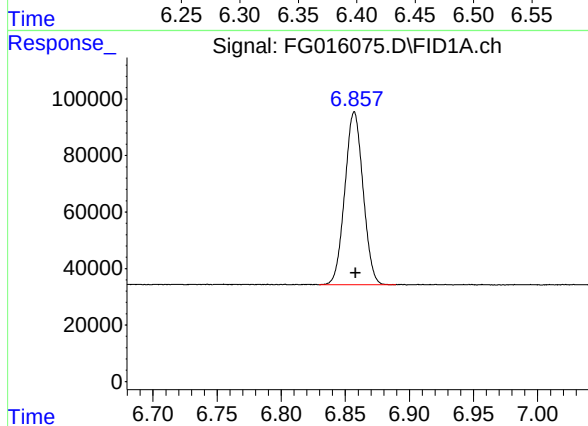
#2 n-Decane (C10)

R.T.: 4.680 min
Delta R.T.: 0.000 min
Response: 602565
Conc: 5.63 ug/ml



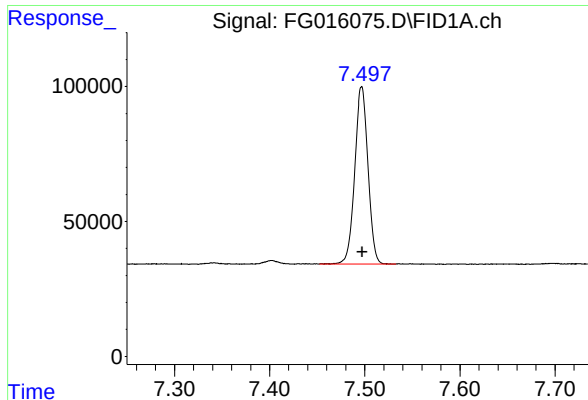
#3 A~Naphthalene (C11.7)

R.T.: 6.396 min
Delta R.T.: 0.000 min
Response: 656045
Conc: 5.62 ug/ml



#4 n-Dodecane (C12)

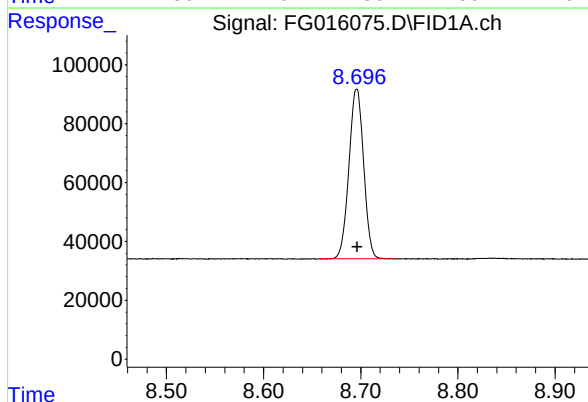
R.T.: 6.857 min
Delta R.T.: 0.000 min
Response: 603165
Conc: 5.62 ug/ml



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

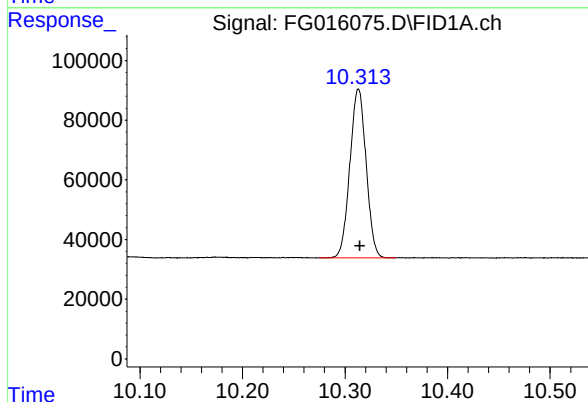
R.T.: 7.497 min
Delta R.T.: 0.000 min
Response: 638058
Conc: 5.62 ug/ml

Instrument :
FID_G
ClientSampleId :
5 PPM ALIPHATIC HC STD5



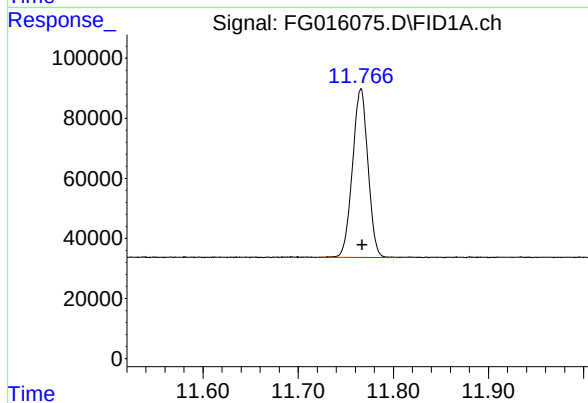
#6 n-Tetradecane (C14)

R.T.: 8.696 min
Delta R.T.: 0.000 min
Response: 604003
Conc: 5.65 ug/ml



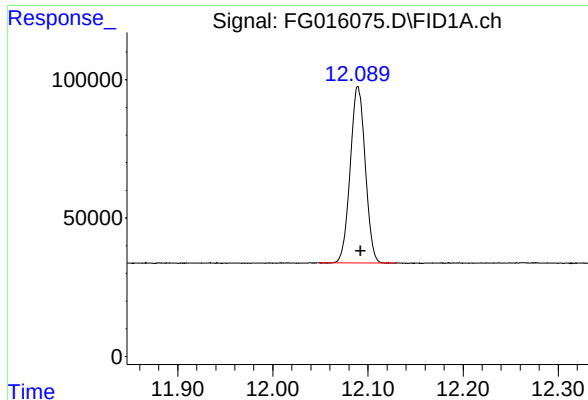
#7 n-Hexadecane (C16)

R.T.: 10.313 min
Delta R.T.: -0.001 min
Response: 622758
Conc: 5.62 ug/ml



#8 n-Octadecane (C18)

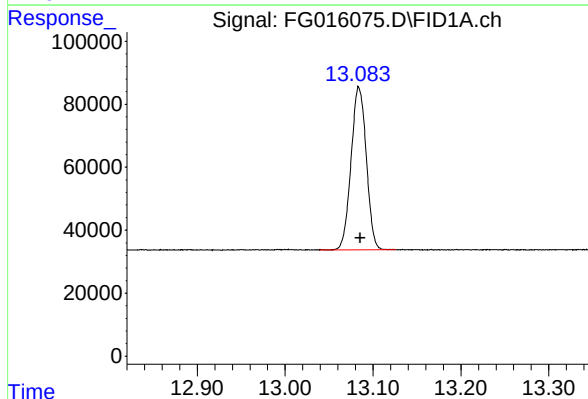
R.T.: 11.766 min
Delta R.T.: -0.001 min
Response: 638246
Conc: 5.64 ug/ml



#9 ortho-Terphenyl (SURR)

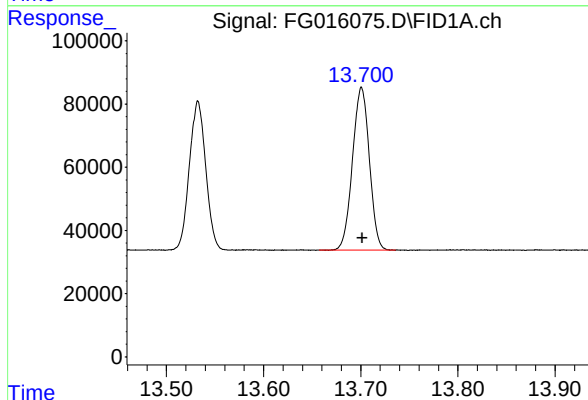
R.T.: 12.089 min
Delta R.T.: -0.003 min
Response: 705923
Conc: 5.62 ug/ml

Instrument :
FID_G
ClientSampleId :
5 PPM ALIPHATIC HC STD5



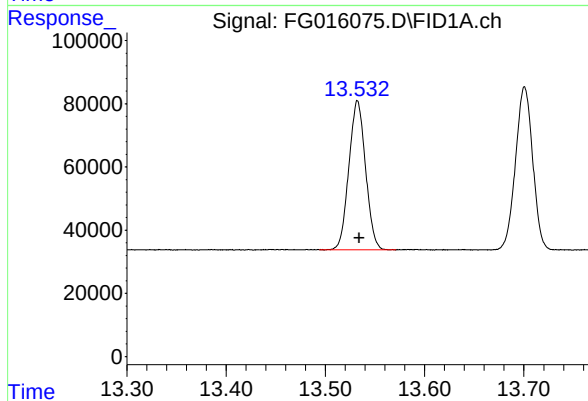
#10 n-Eicosane (C20)

R.T.: 13.084 min
Delta R.T.: -0.002 min
Response: 621489
Conc: 5.61 ug/ml



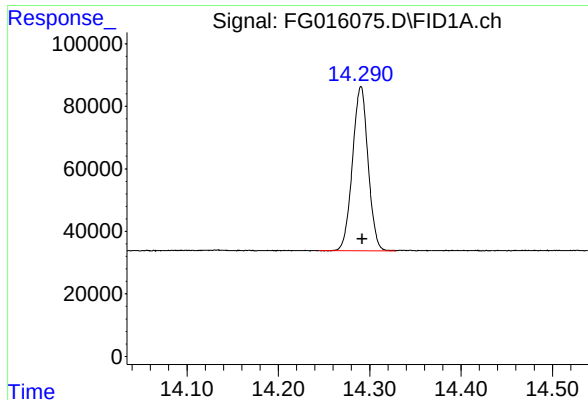
#11 n-Heneicosane (C21)

R.T.: 13.701 min
Delta R.T.: 0.000 min
Response: 620307
Conc: 5.63 ug/ml



#12 1-chlorooctadecane (SURR)

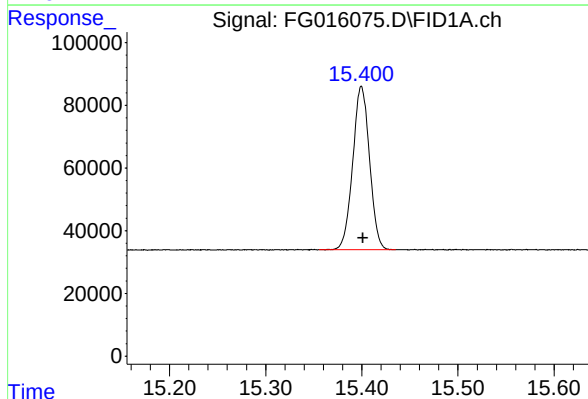
R.T.: 13.532 min
Delta R.T.: -0.002 min
Response: 550881
Conc: 5.62 ug/ml



#13 n-Docosane (C22)

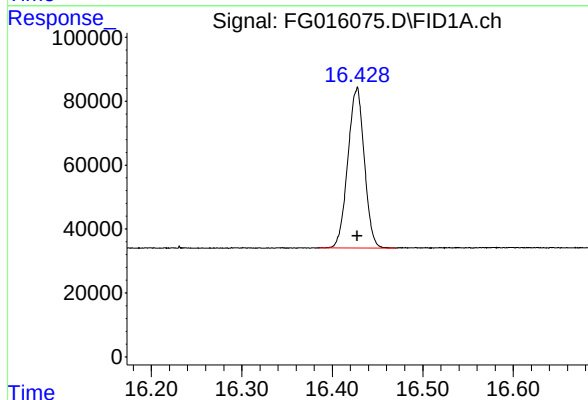
R.T.: 14.290 min
Delta R.T.: -0.001 min
Response: 622270
Conc: 5.63 ug/ml

Instrument :
FID_G
ClientSampleId :
5 PPM ALIPHATIC HC STD5



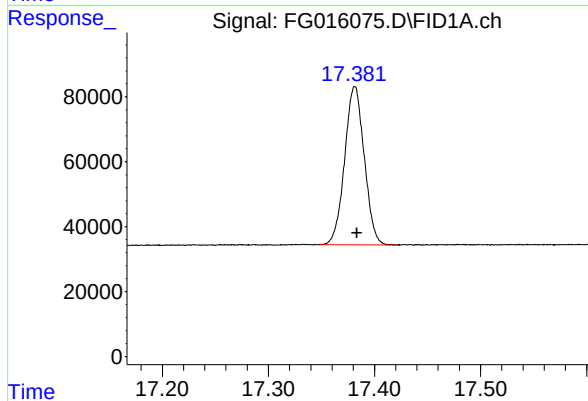
#14 n-Tetracosane (C24)

R.T.: 15.400 min
Delta R.T.: -0.002 min
Response: 632301
Conc: 5.63 ug/ml



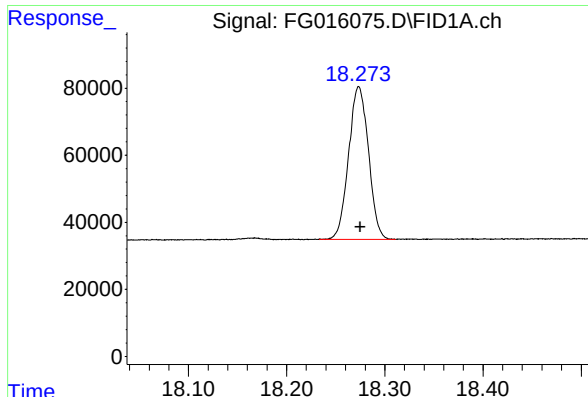
#15 n-Hexacosane (C26)

R.T.: 16.427 min
Delta R.T.: 0.000 min
Response: 632980
Conc: 5.63 ug/ml



#16 n-Octacosane (C28)

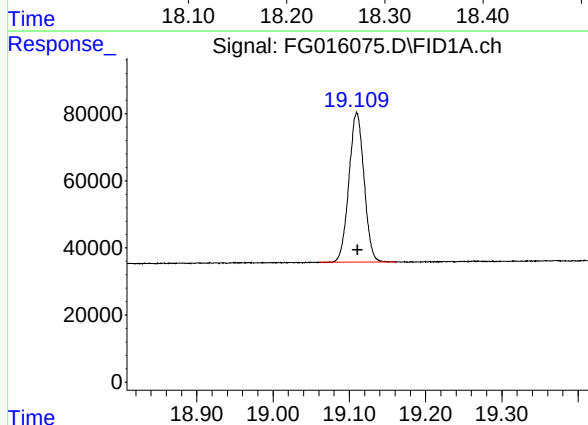
R.T.: 17.382 min
Delta R.T.: -0.002 min
Response: 626234
Conc: 5.65 ug/ml



#17 n-Tricontane (C30)

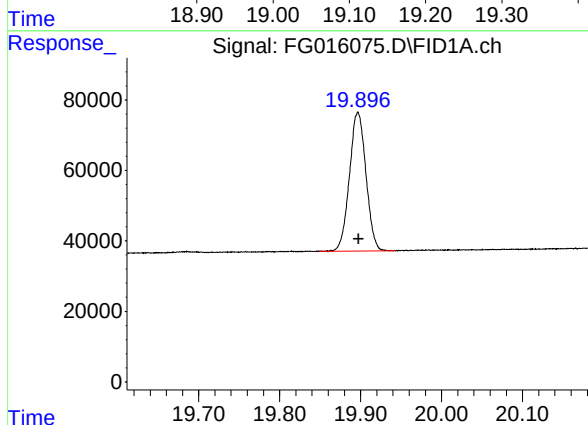
R.T.: 18.273 min
Delta R.T.: -0.002 min
Response: 640242
Conc: 5.71 ug/ml

Instrument :
FID_G
ClientSampleId :
5 PPM ALIPHATIC HC STD5



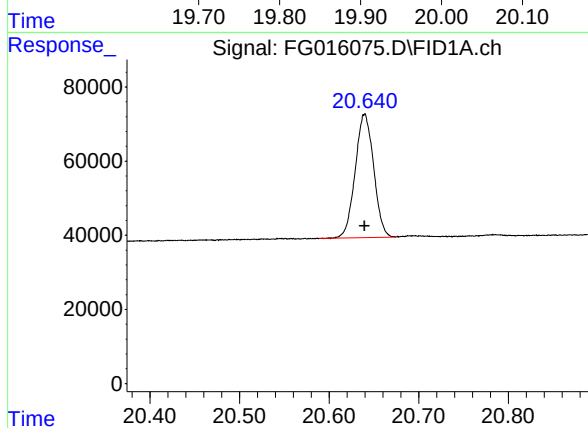
#18 n-Dotriacontane (C32)

R.T.: 19.110 min
Delta R.T.: -0.001 min
Response: 615463
Conc: 5.74 ug/ml



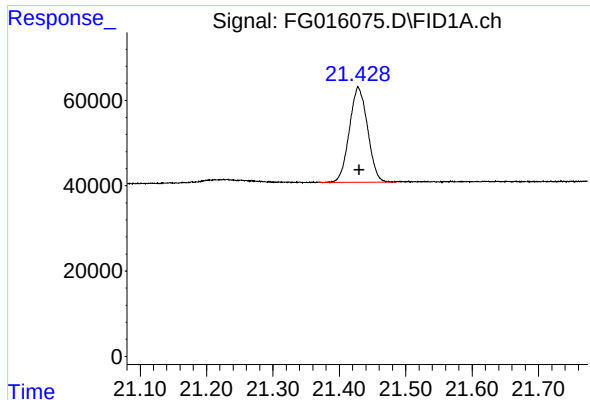
#19 n-Tetatriacontane (C34)

R.T.: 19.897 min
Delta R.T.: 0.000 min
Response: 558031
Conc: 5.73 ug/ml



#20 n-Hexatriacontane (C36)

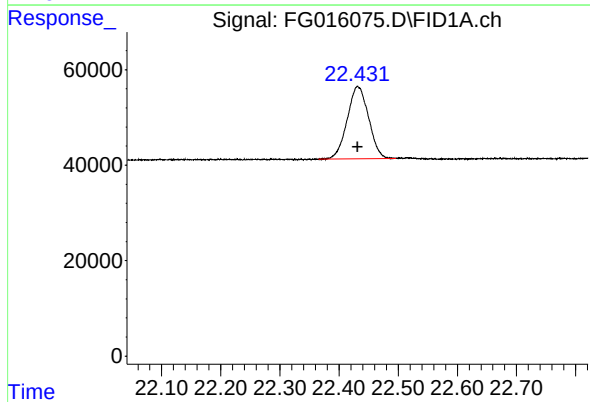
R.T.: 20.640 min
Delta R.T.: 0.000 min
Response: 476929
Conc: 5.69 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.428 min
Delta R.T.: -0.002 min
Response: 423048
Conc: 5.68 ug/ml

Instrument :
FID_G
ClientSampleId :
5 PPM ALIPHATIC HC STD5



#22 n-Tetracontane (C40)

R.T.: 22.431 min
Delta R.T.: 0.000 min
Response: 380088
Conc: 5.56 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG061325AL\
 Data File : FG016075.D
 Signal(s) : FID1A.ch
 Acq On : 13 Jun 2025 16:02
 Sample : 5 PPM ALIPHATIC HC STD5
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 061325.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	3.422	3.392	3.460	BB	61497	595428	84.35%	4.557%
2	4.680	4.648	4.714	BB	62269	602565	85.36%	4.612%
3	6.396	6.368	6.434	BB	70068	656045	92.93%	5.021%
4	6.857	6.830	6.890	BB	61239	603165	85.44%	4.616%
5	7.497	7.452	7.533	BB	65733	638058	90.39%	4.883%
6	8.696	8.657	8.736	BB	57684	604003	85.56%	4.623%
7	10.313	10.275	10.350	BB	56682	622758	88.22%	4.766%
8	11.766	11.722	11.803	BB	56123	638246	90.41%	4.885%
9	12.089	12.049	12.130	BB	63796	705923	100.00%	5.403%
10	13.084	13.039	13.126	BB	51725	621489	88.04%	4.756%
11	13.532	13.494	13.571	BB	47277	550881	78.04%	4.216%
12	13.701	13.657	13.736	BB	51653	620307	87.87%	4.747%
13	14.290	14.245	14.329	BB	52525	622270	88.15%	4.762%
14	15.400	15.355	15.435	BB	52156	632301	89.57%	4.839%
15	16.427	16.385	16.470	BB	49652	632980	89.67%	4.844%
16	17.382	17.348	17.420	BB	48741	626234	88.71%	4.793%
17	18.274	18.233	18.311	BB	45558	640242	90.70%	4.900%
18	19.110	19.060	19.161	BB	44682	615463	87.19%	4.710%
19	19.897	19.849	19.944	BB	39516	558031	79.05%	4.271%
20	20.640	20.589	20.675	BB	33201	476929	67.56%	3.650%
21	21.428	21.370	21.485	BB	22295	423048	59.93%	3.238%
22	22.431	22.366	22.496	BB	15228	380088	53.84%	2.909%
Sum of corrected areas:							13066454	

Aliphatic EPH 061325.M Mon Jun 16 07:05:59 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG061325AL\
 Data File : FG016076.D
 Signal(s) : FID1A.ch
 Acq On : 13 Jun 2025 16:31
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD ICV
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 20 PPM ALIPHATIC HC STD ICV

Integration File: autoint1.e
 Quant Time: Jun 16 06:53:35 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 061325.M
 Quant Title : GC Extractables
 QLast Update : Mon Jun 16 06:39:56 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	12.092	2567824	19.902 ug/ml
Spiked Amount 50.000		Recovery =	39.80%
12) S 1-chlorooctadecane (S...	13.535	2004431	19.892 ug/ml
Spiked Amount 50.000		Recovery =	39.78%
Target Compounds			
1) T n-Nonane (C9)	3.421	2150053	19.872 ug/ml
2) T n-Decane (C10)	4.679	2180482	19.878 ug/ml
3) T A~Naphthalene (C11.7)	6.396	2378221	19.905 ug/ml
4) T n-Dodecane (C12)	6.858	2189329	19.883 ug/ml
5) T A~2-methylnaphthalene...	7.497	2315022	19.904 ug/ml
6) T n-Tetradecane (C14)	8.697	2181040	19.860 ug/ml
7) T n-Hexadecane (C16)	10.315	2260732	19.861 ug/ml
8) T n-Octadecane (C18)	11.768	2313229	19.871 ug/ml
10) T n-Eicosane (C20)	13.086	2264403	19.896 ug/ml
11) T n-Heneicosane (C21)	13.702	2251669	19.889 ug/ml
13) T n-Docosane (C22)	14.293	2260832	19.887 ug/ml
14) T n-Tetracosane (C24)	15.402	2298513	19.933 ug/ml
15) T n-Hexacosane (C26)	16.429	2295139	19.944 ug/ml
16) T n-Octacosane (C28)	17.383	2262244	19.933 ug/ml
17) T n-Tricontane (C30)	18.275	2280889	19.922 ug/ml
18) T n-Dotriacontane (C32)	19.112	2171208	19.914 ug/ml
19) T n-Tetratriacontane (C34)	19.899	1971723	19.930 ug/ml
20) T n-Hexatriacontane (C36)	20.641	1693739	19.955 ug/ml
21) T n-Octatriacontane (C38)	21.431	1505383	19.941 ug/ml
22) T n-Tetracontane (C40)	22.436	1382050	19.987 ug/ml

(f)=RT Delta > 1/2 Window

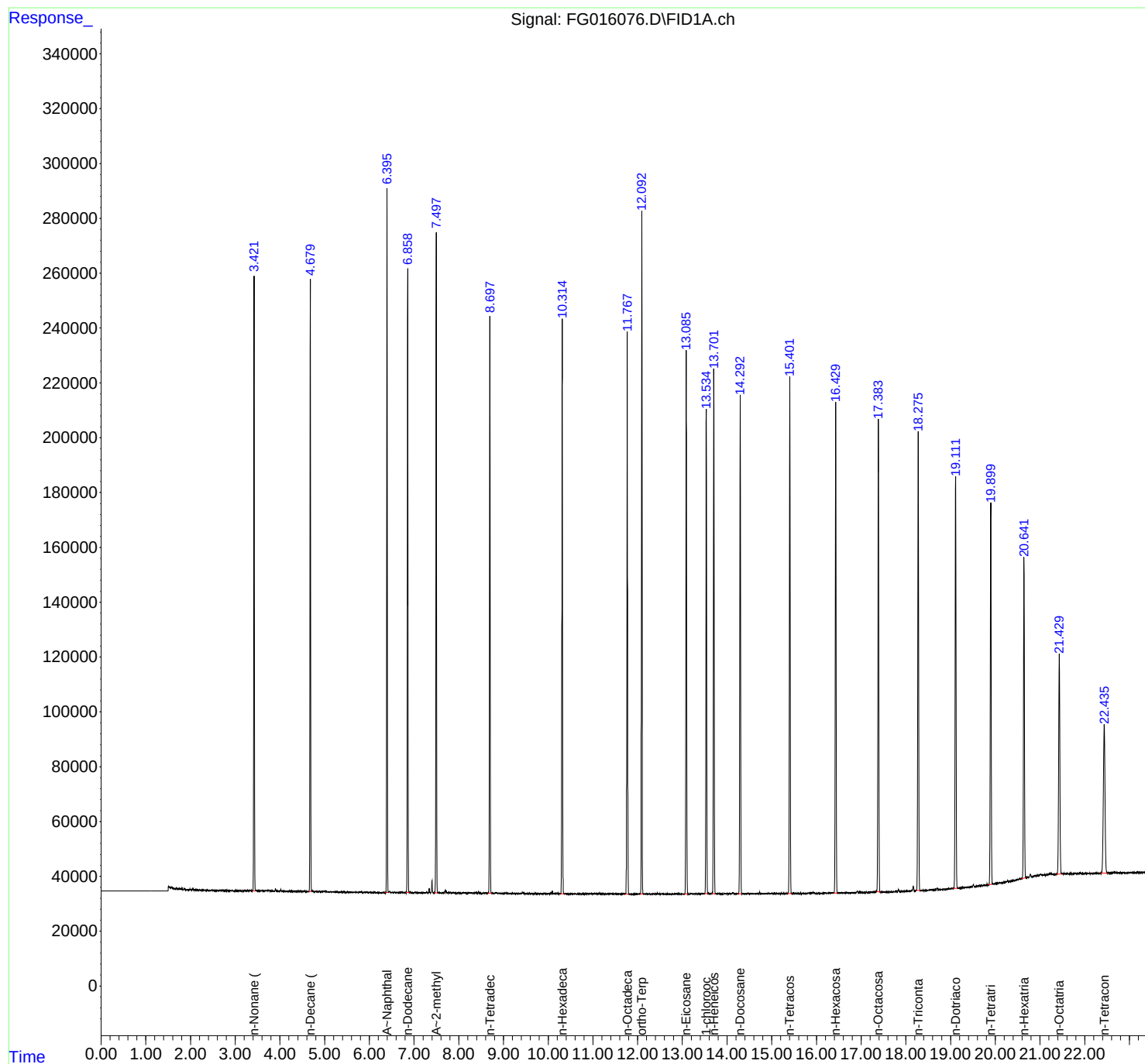
(m)=manual int.

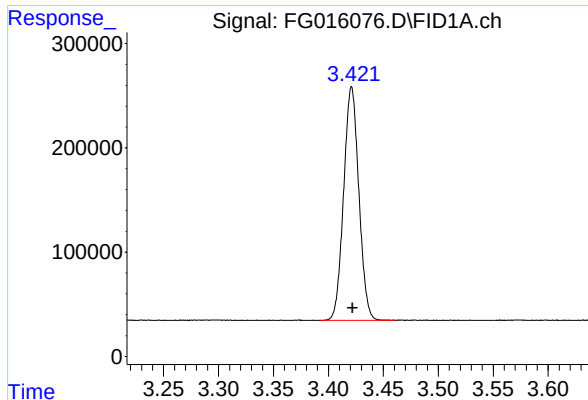
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG061325AL\
Data File : FG016076.D
Signal(s) : FID1A.ch
Acq On : 13 Jun 2025 16:31
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD ICV
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV

Integration File: autoint1.e
Quant Time: Jun 16 06:53:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 061325.M
Quant Title : GC Extractables
QLast Update : Mon Jun 16 06:39:56 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)

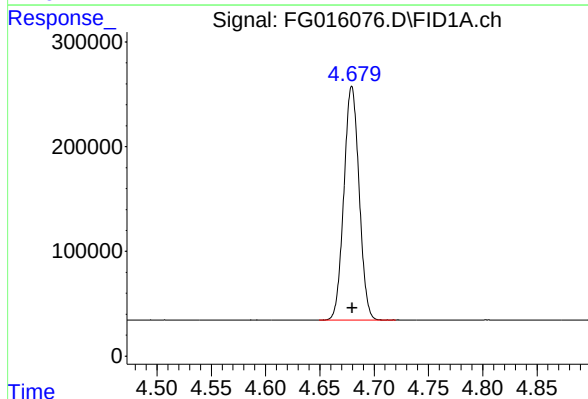
R.T.: 3.421 min
Delta R.T.: 0.000 min
Response: 2150053
Conc: 19.87 ug/ml

Instrument :

FID_G

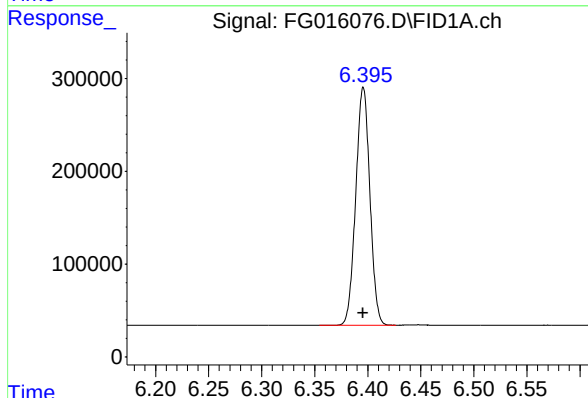
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



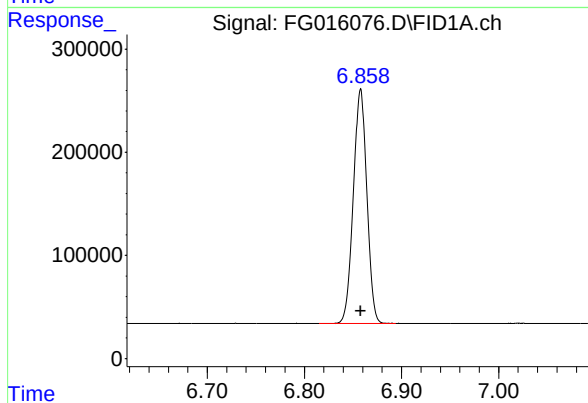
#2 n-Decane (C10)

R.T.: 4.679 min
Delta R.T.: 0.000 min
Response: 2180482
Conc: 19.88 ug/ml



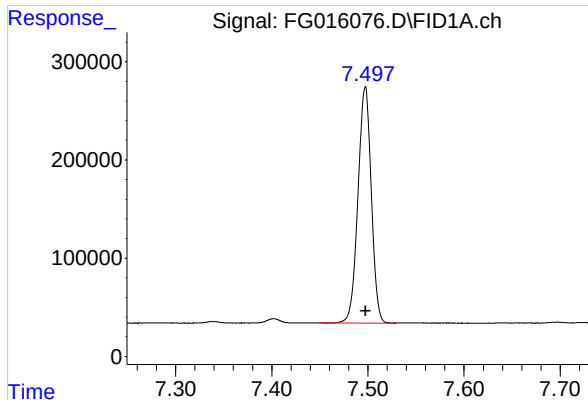
#3 A~Naphthalene (C11.7)

R.T.: 6.396 min
Delta R.T.: 0.000 min
Response: 2378221
Conc: 19.90 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.858 min
Delta R.T.: 0.000 min
Response: 2189329
Conc: 19.88 ug/ml



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

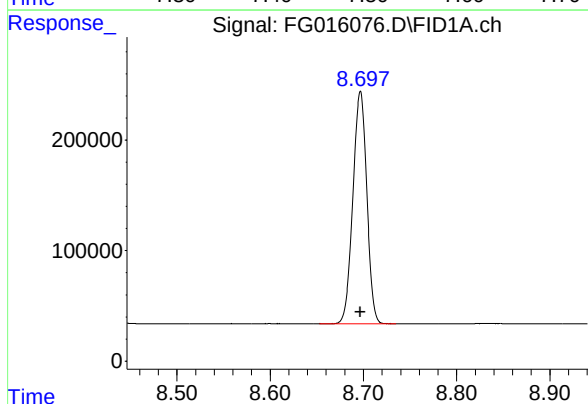
R.T.: 7.497 min
Delta R.T.: 0.000 min
Response: 2315022
Conc: 19.90 ug/ml

Instrument :

FID_G

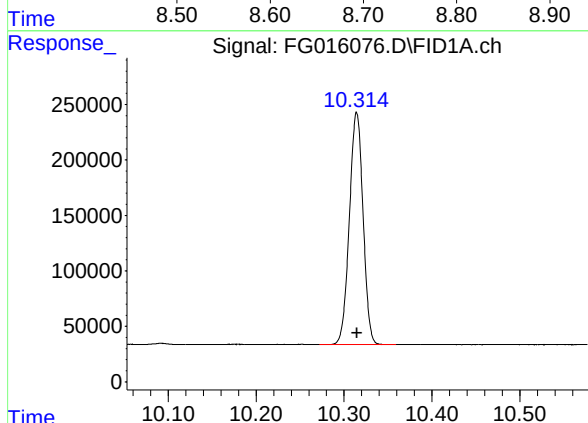
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



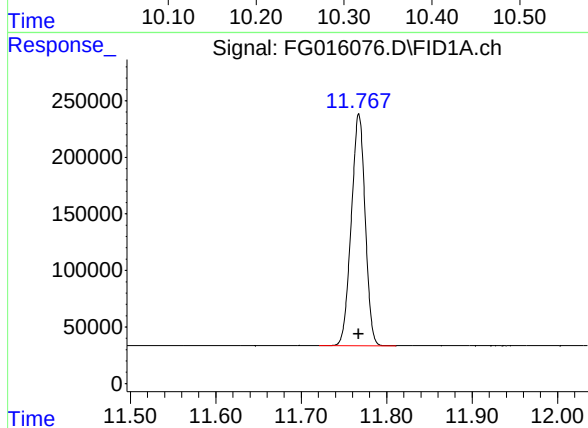
#6 n-Tetradecane (C14)

R.T.: 8.697 min
Delta R.T.: 0.000 min
Response: 2181040
Conc: 19.86 ug/ml



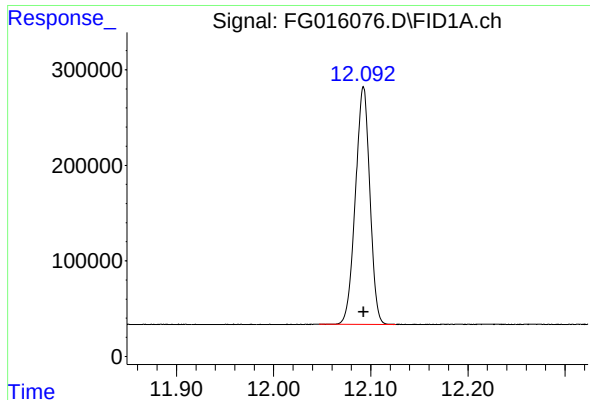
#7 n-Hexadecane (C16)

R.T.: 10.315 min
Delta R.T.: 0.000 min
Response: 2260732
Conc: 19.86 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.768 min
Delta R.T.: 0.000 min
Response: 2313229
Conc: 19.87 ug/ml



#9 ortho-Terphenyl (SURR)

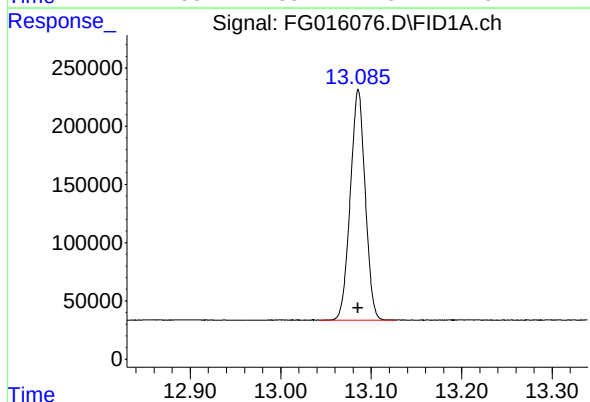
R.T.: 12.092 min
Delta R.T.: 0.000 min
Response: 2567824
Conc: 19.90 ug/ml

Instrument :

FID_G

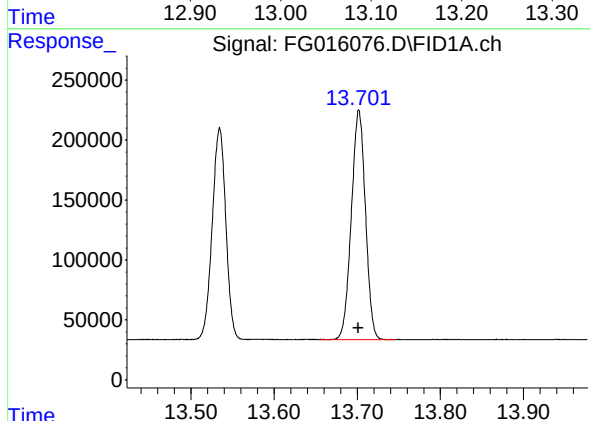
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



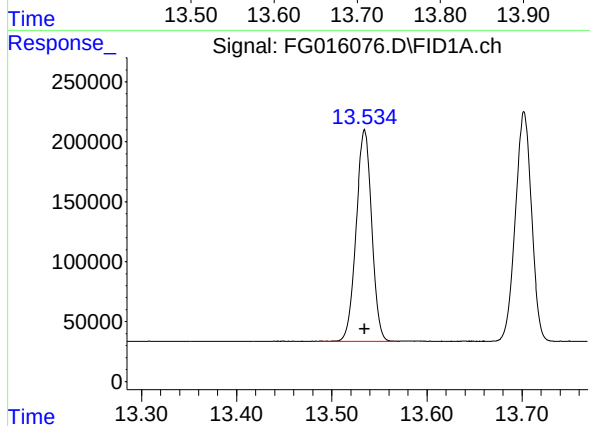
#10 n-Eicosane (C20)

R.T.: 13.086 min
Delta R.T.: 0.000 min
Response: 2264403
Conc: 19.90 ug/ml



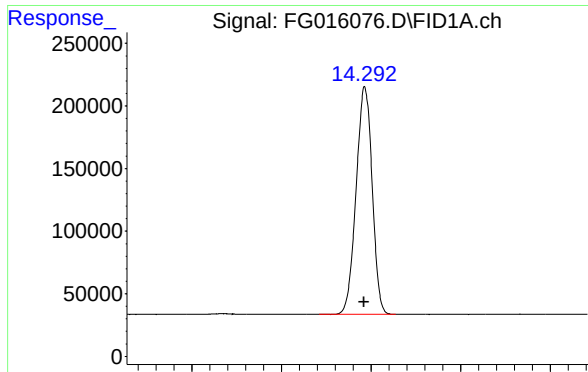
#11 n-Heneicosane (C21)

R.T.: 13.702 min
Delta R.T.: 0.000 min
Response: 2251669
Conc: 19.89 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.535 min
Delta R.T.: 0.000 min
Response: 2004431
Conc: 19.89 ug/ml



#13 n-Docosane (C22)

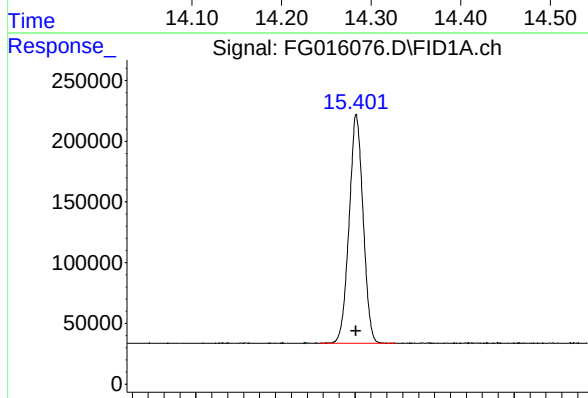
R.T.: 14.293 min
Delta R.T.: 0.000 min
Response: 2260832
Conc: 19.89 ug/ml

Instrument :

FID_G

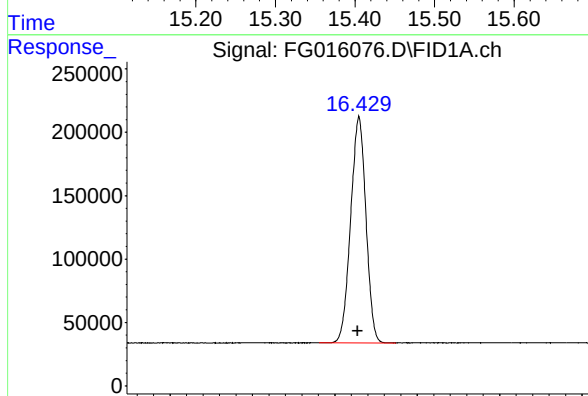
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



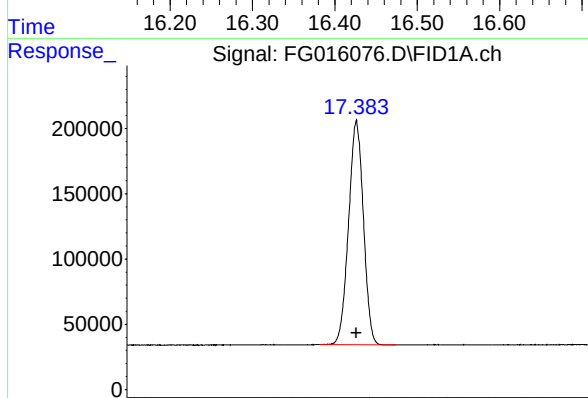
#14 n-Tetracosane (C24)

R.T.: 15.402 min
Delta R.T.: 0.000 min
Response: 2298513
Conc: 19.93 ug/ml



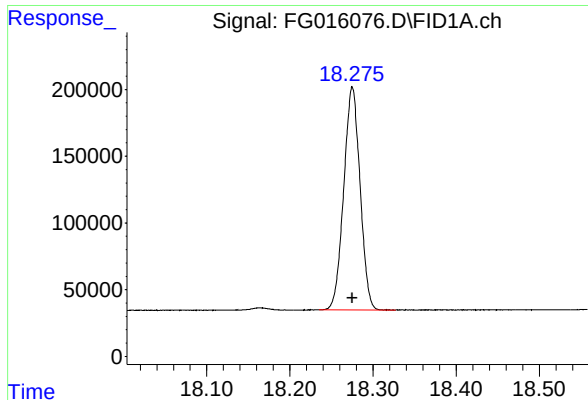
#15 n-Hexacosane (C26)

R.T.: 16.429 min
Delta R.T.: 0.001 min
Response: 2295139
Conc: 19.94 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.383 min
Delta R.T.: 0.000 min
Response: 2262244
Conc: 19.93 ug/ml



#17 n-Tricontane (C30)

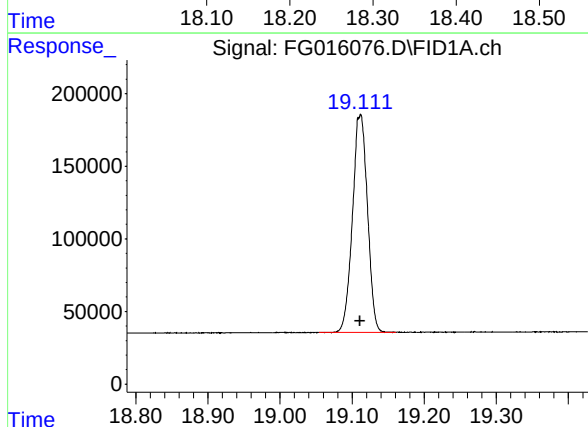
R.T.: 18.275 min
Delta R.T.: 0.000 min
Response: 2280889
Conc: 19.92 ug/ml

Instrument :

FID_G

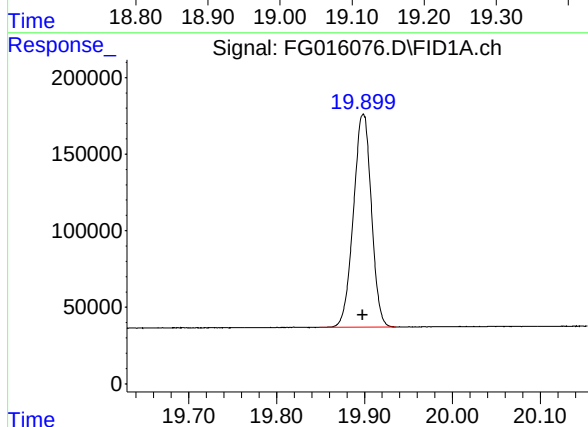
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



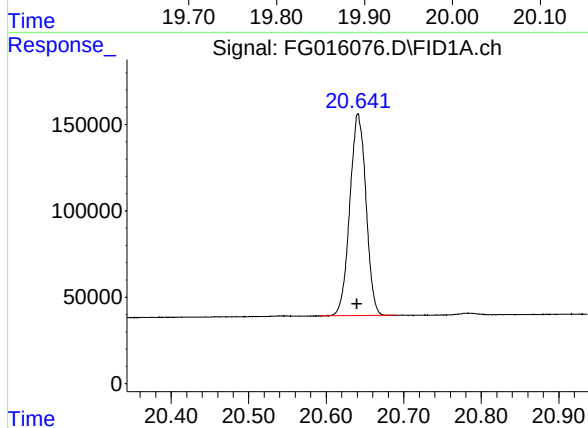
#18 n-Dotriacontane (C32)

R.T.: 19.112 min
Delta R.T.: 0.000 min
Response: 2171208
Conc: 19.91 ug/ml



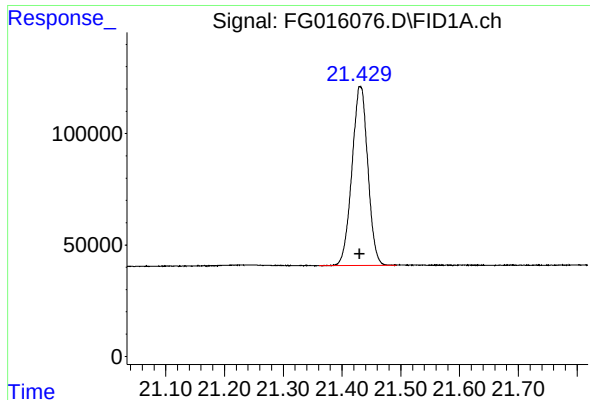
#19 n-Tetratriacontane (C34)

R.T.: 19.899 min
Delta R.T.: 0.000 min
Response: 1971723
Conc: 19.93 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.641 min
Delta R.T.: 0.001 min
Response: 1693739
Conc: 19.95 ug/ml



#21 n-Octatriacontane (C38)

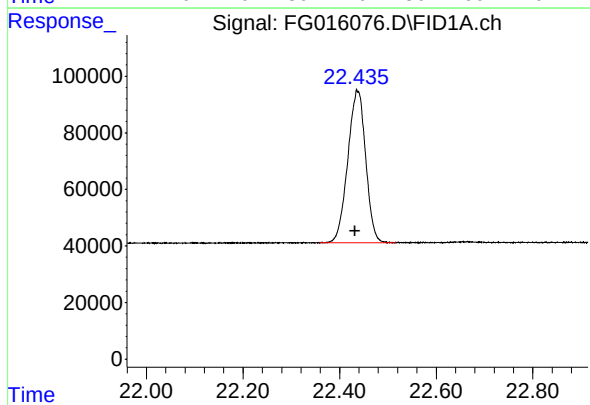
R.T.: 21.431 min
Delta R.T.: 0.000 min
Response: 1505383
Conc: 19.94 ug/ml

Instrument :

FID_G

ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



#22 n-Tetracontane (C40)

R.T.: 22.436 min
Delta R.T.: 0.004 min
Response: 1382050
Conc: 19.99 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG061325AL\
 Data File : FG016076.D
 Signal(s) : FID1A.ch
 Acq On : 13 Jun 2025 16:31
 Sample : 20 PPM ALIPHATIC HC STD ICV
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 061325.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	3.421	3.392	3.462	BB	224170	2150053	83.73%	4.557%
2	4.679	4.649	4.720	BB	223134	2180482	84.92%	4.622%
3	6.396	6.354	6.427	BB	256642	2378221	92.62%	5.041%
4	6.858	6.815	6.894	BB	227162	2189329	85.26%	4.641%
5	7.497	7.449	7.529	BB	240781	2315022	90.15%	4.907%
6	8.697	8.652	8.735	BB	210461	2181040	84.94%	4.623%
7	10.315	10.272	10.359	BB	209250	2260732	88.04%	4.792%
8	11.768	11.721	11.811	BB	204807	2313229	90.09%	4.903%
9	12.092	12.047	12.126	BB	248620	2567824	100.00%	5.443%
10	13.086	13.043	13.128	BB	197777	2264403	88.18%	4.800%
11	13.535	13.487	13.568	BB	176385	2004431	78.06%	4.249%
12	13.702	13.654	13.747	BB	191654	2251669	87.69%	4.773%
13	14.293	14.242	14.328	BB	181842	2260832	88.04%	4.792%
14	15.402	15.355	15.452	BB	188413	2298513	89.51%	4.872%
15	16.429	16.381	16.474	BB	178837	2295139	89.38%	4.865%
16	17.383	17.336	17.434	BB	171759	2262244	88.10%	4.795%
17	18.275	18.235	18.328	BB	167252	2280889	88.83%	4.835%
18	19.112	19.054	19.161	BB	150243	2171208	84.55%	4.602%
19	19.899	19.848	19.936	BB	138997	1971723	76.79%	4.179%
20	20.641	20.591	20.690	BB	116814	1693739	65.96%	3.590%
21	21.431	21.361	21.492	BB	80078	1505383	58.62%	3.191%
22	22.436	22.358	22.517	BB	53575	1382050	53.82%	2.929%
Sum of corrected areas:							47178153	

Aliphatic EPH 061325.M Mon Jun 16 07:06:16 2025