

Initial Calibration Report for SequenceID : FG051225AL

AreaCount

Parameter Range	FG015808.D	FG015809.D	FG015810.D	FG015811.D	FG015812.D	
Aliphatic C9-C12	33295942.000	16499792.000	7024777.000	3642600.000	1621906.000	
Aliphatic C12-C16	22865120.000	11327347.000	4825816.000	2488063.000	1109781.000	
Aliphatic C16-C21	34869189.000	17472981.000	7561496.000	3954937.000	1806351.000	
Aliphatic C21-C28	44892339.000	22630004.000	9865090.000	5240936.000	2420128.000	
Aliphatic C28-C40	60510740.000	30618492.000	13413681.000	7248091.000	3500150.000	
Aliphatic EPH	196433330.000	98548616.000	42690860.000	22574627.000	10458316.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aliphatic C9-C12	113522.3539996	4.884				
Aliphatic C12-C16	116725.144	4.79				
Aliphatic C16-C21	122199.3473332	5.472				
Aliphatic C21-C28	120144.8585	6.456				
Aliphatic C28-C40	110433.346333	7.973				
Aliphatic EPH	115766.3835552	5.868				

Concentration

Parameter Range	FG015808.D	FG015809.D	FG015810.D	FG015811.D	FG015812.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	FG015808.D	FG015809.D	FG015810.D	FG015811.D	FG015812.D	
Aliphatic C9-C12	110986.473333	109998.613333	117079.616666	121420.000000	108127.066666	
Aliphatic C12-C16	114325.600000	113273.470000	120645.400000	124403.150000	110978.100000	
Aliphatic C16-C21	116230.630000	116486.540000	126024.933333	131831.233333	120423.400000	

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Aliphatic C21-C28	112230.847500	113150.020000	123313.625000	131023.400000	121006.400000	
Aliphatic C28-C40	100851.233333	102061.640000	111780.675000	120801.516666	116671.666666	
Aliphatic EPH	109129.627777	109498.462222	118585.722222	125414.594444	116203.511111	

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG051225AL\
 Data File : FG015808.D
 Signal(s) : FID1A.ch
 Acq On : 12 May 2025 10:30
 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: May 12 11:43:27 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 051225.M
 Quant Title : GC Extractables
 QLast Update : Mon May 12 11:41:19 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)	11.908	14285857	96.452 ug/ml
Spiked Amount 50.000		Recovery =	192.90%
12) S 1-chlorooctadecane (S...	13.349	10985534	96.021 ug/ml
Spiked Amount 50.000		Recovery =	192.04%
Target Compounds			
1) T n-Nonane (C9)	3.248	10920112	97.134 ug/ml
2) T n-Decane (C10)	4.507	11082680	97.449 ug/ml
3) T A~Naphthalene (C11.7)	6.219	12073119	99.339 ug/ml
4) T n-Dodecane (C12)	6.687	11293150	97.399 ug/ml
5) T A~2-methylnaphthalene...	7.323	12080339	100.009 ug/ml
6) T n-Tetradecane (C14)	8.524	11313251	97.569 ug/ml
7) T n-Hexadecane (C16)	10.139	11551869	97.059 ug/ml
8) T n-Octadecane (C18)	11.589	11693673	96.386 ug/ml
10) T n-Eicosane (C20)	12.902	11615349	95.823 ug/ml
11) T n-Heneicosane (C21)	13.517	11560167	95.661 ug/ml
13) T n-Docosane (C22)	14.105	11485556	95.644 ug/ml
14) T n-Tetracosane (C24)	15.213	11362245	95.418 ug/ml
15) T n-Hexacosane (C26)	16.238	11159200	95.187 ug/ml
16) T n-Octacosane (C28)	17.190	10885338	94.912 ug/ml
17) T n-Tricontane (C30)	18.080	10827008	94.534 ug/ml
18) T n-Dotriacontane (C32)	18.914	10646758	94.242 ug/ml
19) T n-Tetratriacontane (C34)	19.700	10180353	94.394 ug/ml
20) T n-Hexatriacontane (C36)	20.440	10006499	94.875 ug/ml
21) T n-Octatriacontane (C38)	21.181	9515311	95.091 ug/ml
22) T n-Tetracontane (C40)	22.105	9334811	96.228 ug/ml

(f)=RT Delta > 1/2 Window

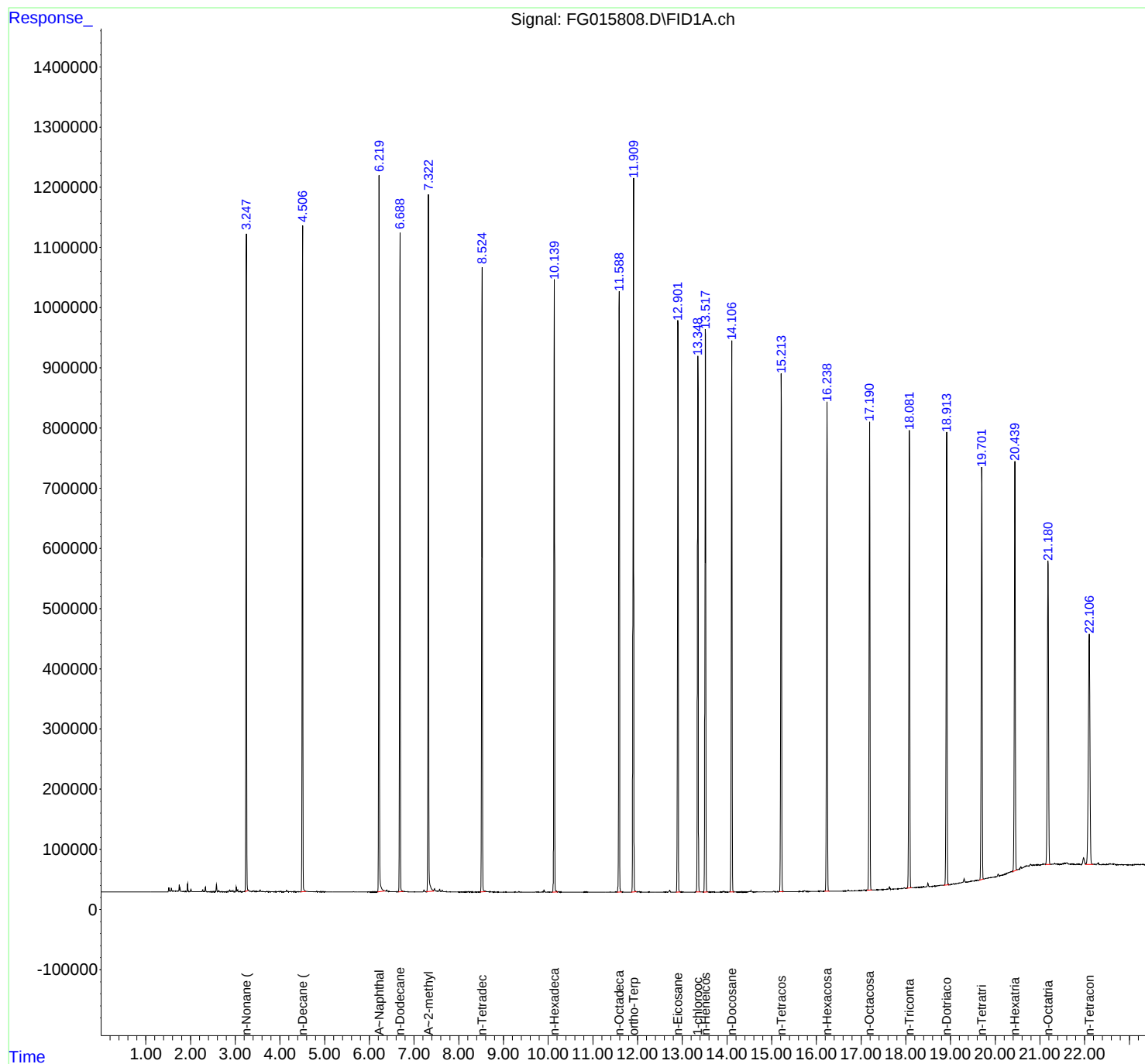
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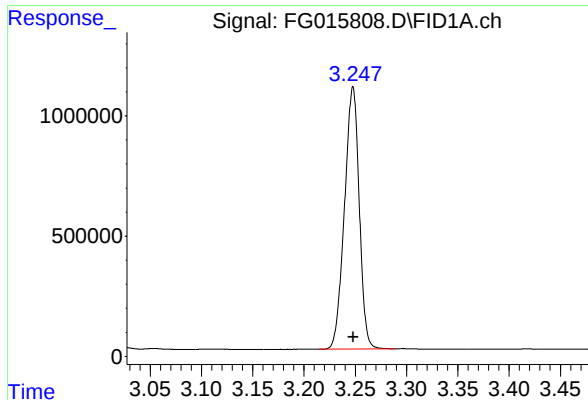
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Data File : FG015808.D
Signal(s) : FID1A.ch
Acq On : 12 May 2025 10:30
Operator : YP\AJ
Sample : 100 PPM ALIPHATIC HC STD1
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
100 PPM ALIPHATIC HC STD1

Integration File: autoint1.e
Quant Time: May 12 11:43:27 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 051225.M
Quant Title : GC Extractables
QLast Update : Mon May 12 11:41:19 2025
Response via : Initial Calibration
Integrator: ChemStation

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

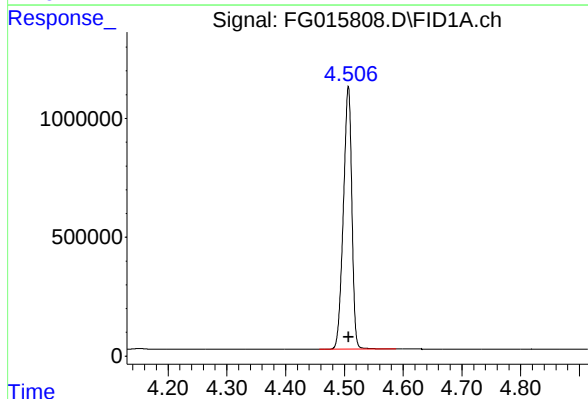




#1 n-Nonane (C9)

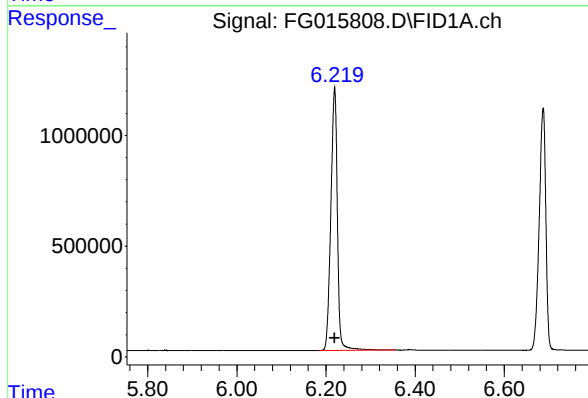
R.T.: 3.248 min
Delta R.T.: 0.000 min
Response: 10920112
Conc: 97.13 ug/ml

Instrument :
FID_G
ClientSampleId :
100 PPM ALIPHATIC HC STD1



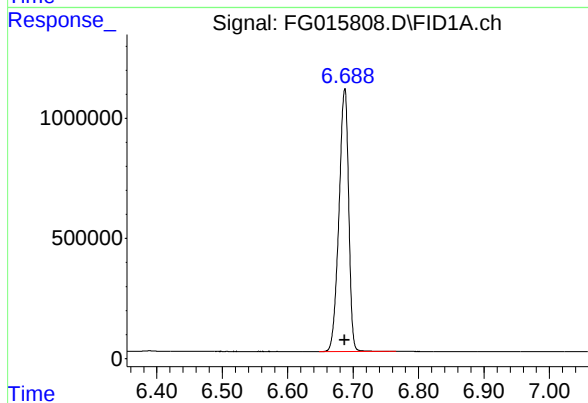
#2 n-Decane (C10)

R.T.: 4.507 min
Delta R.T.: 0.000 min
Response: 11082680
Conc: 97.45 ug/ml



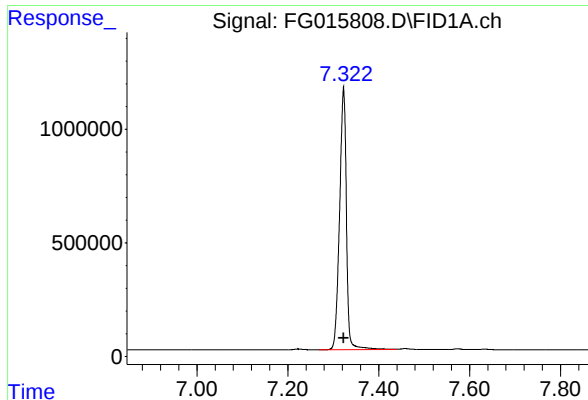
#3 A~Naphthalene (C11.7)

R.T.: 6.219 min
Delta R.T.: 0.000 min
Response: 12073119
Conc: 99.34 ug/ml



#4 n-Dodecane (C12)

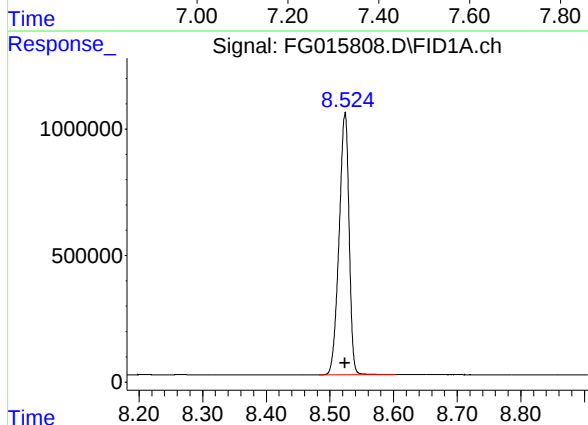
R.T.: 6.687 min
Delta R.T.: 0.000 min
Response: 11293150
Conc: 97.40 ug/ml



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

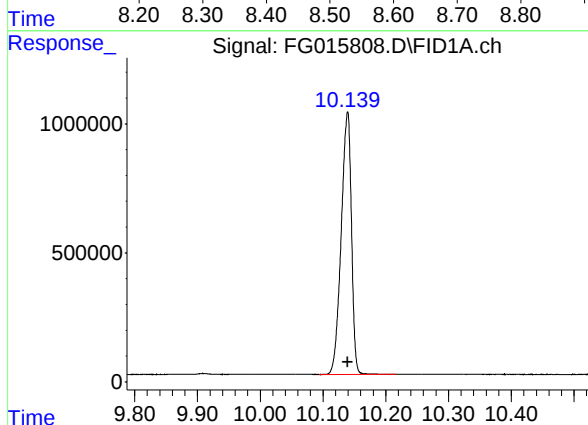
R.T.: 7.323 min
Delta R.T.: 0.000 min
Response: 12080339
Conc: 100.01 ug/ml

Instrument :
FID_G
ClientSampleId :
100 PPM ALIPHATIC HC STD1



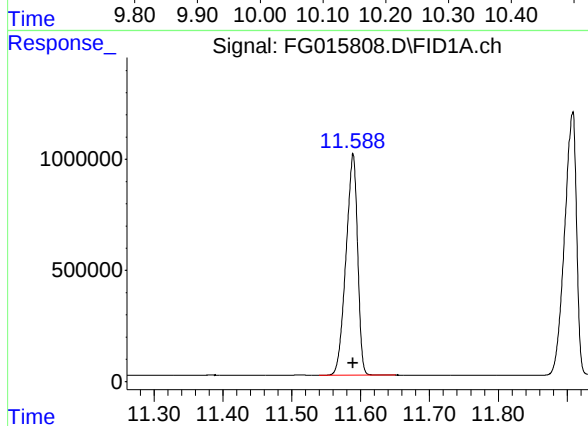
#6 n-Tetradecane (C14)

R.T.: 8.524 min
Delta R.T.: 0.000 min
Response: 11313251
Conc: 97.57 ug/ml



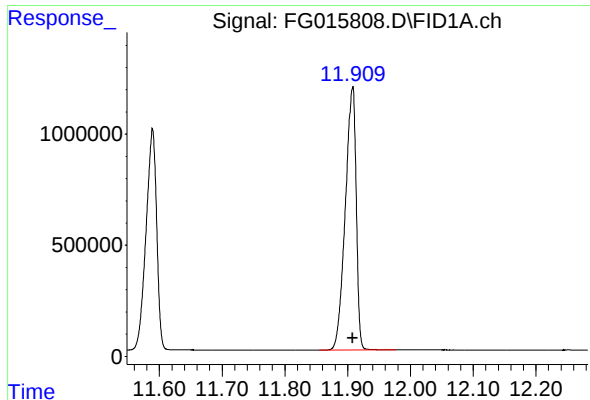
#7 n-Hexadecane (C16)

R.T.: 10.139 min
Delta R.T.: 0.000 min
Response: 11551869
Conc: 97.06 ug/ml



#8 n-Octadecane (C18)

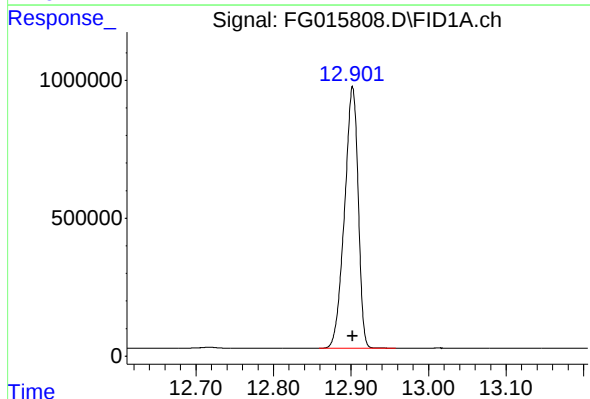
R.T.: 11.589 min
Delta R.T.: 0.000 min
Response: 11693673
Conc: 96.39 ug/ml



#9 ortho-Terphenyl (SURR)

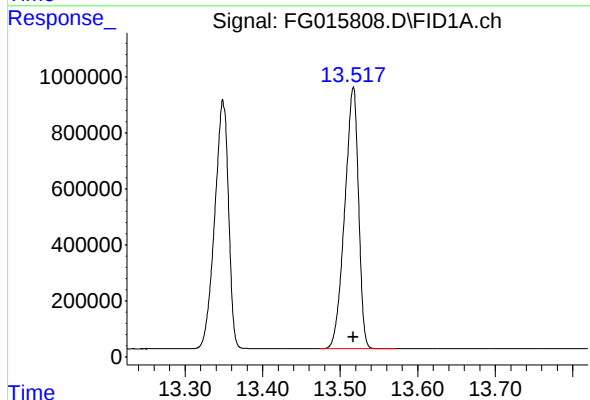
R.T.: 11.908 min
Delta R.T.: 0.000 min
Response: 14285857
Conc: 96.45 ug/ml

Instrument :
FID_G
ClientSampleId :
100 PPM ALIPHATIC HC STD1



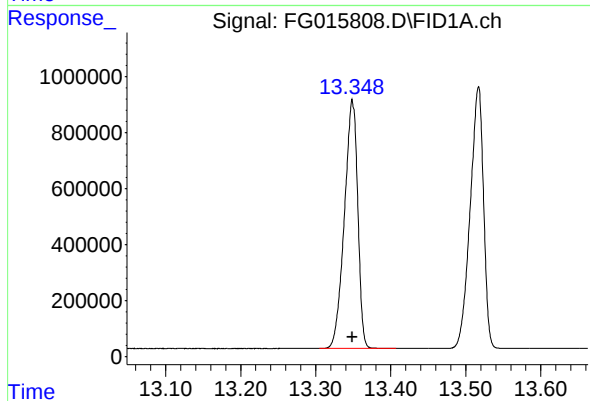
#10 n-Eicosane (C20)

R.T.: 12.902 min
Delta R.T.: 0.000 min
Response: 11615349
Conc: 95.82 ug/ml



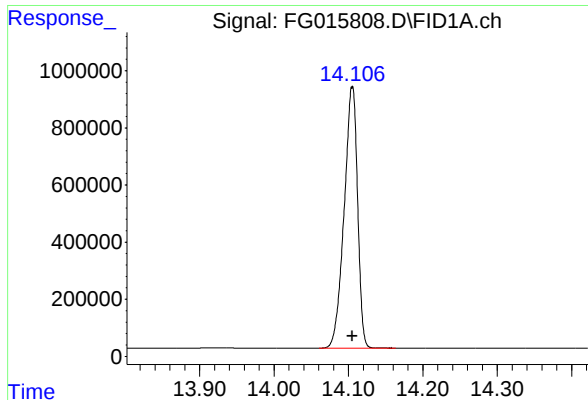
#11 n-Heneicosane (C21)

R.T.: 13.517 min
Delta R.T.: 0.000 min
Response: 11560167
Conc: 95.66 ug/ml



#12 1-chlorooctadecane (SURR)

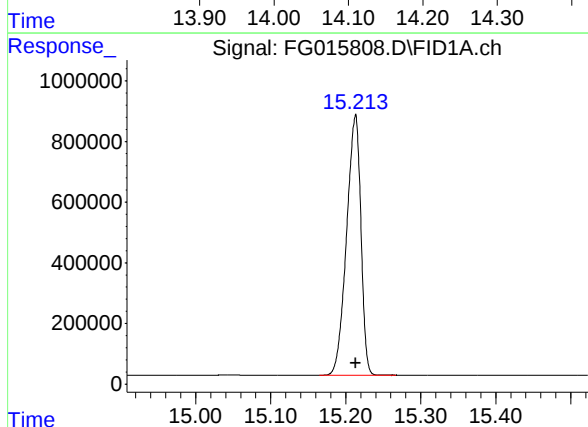
R.T.: 13.349 min
Delta R.T.: 0.000 min
Response: 10985534
Conc: 96.02 ug/ml



#13 n-Docosane (C22)

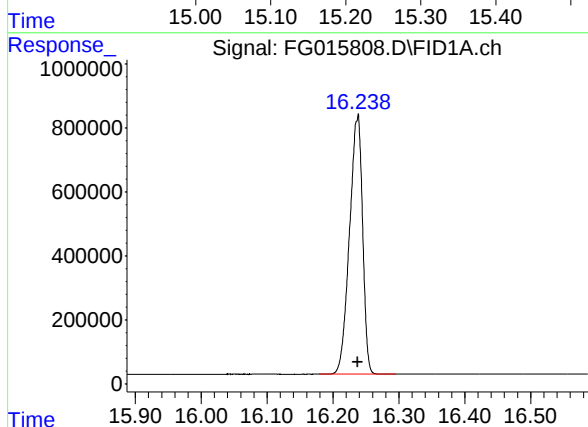
R.T.: 14.105 min
Delta R.T.: 0.000 min
Response: 11485556
Conc: 95.64 ug/ml

Instrument :
FID_G
ClientSampleId :
100 PPM ALIPHATIC HC STD1



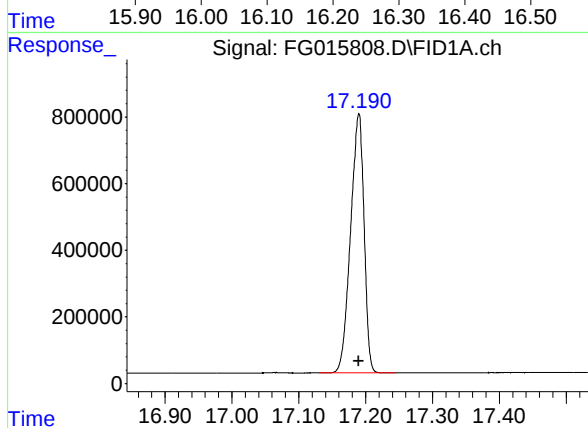
#14 n-Tetracosane (C24)

R.T.: 15.213 min
Delta R.T.: 0.000 min
Response: 11362245
Conc: 95.42 ug/ml



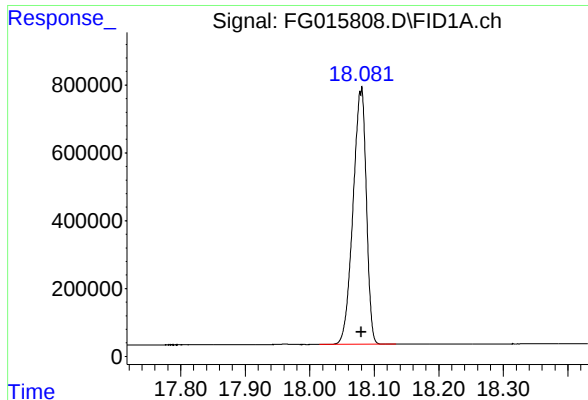
#15 n-Hexacosane (C26)

R.T.: 16.238 min
Delta R.T.: 0.000 min
Response: 11159200
Conc: 95.19 ug/ml



#16 n-Octacosane (C28)

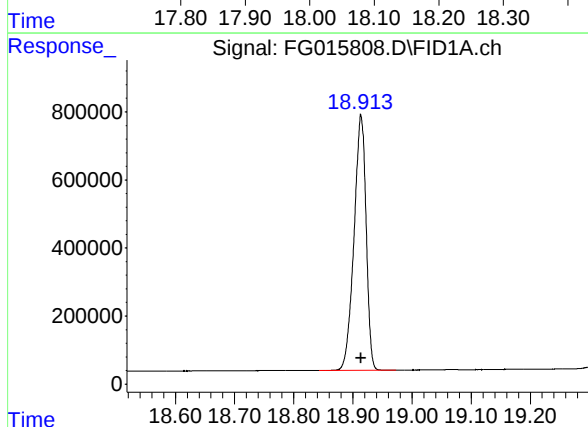
R.T.: 17.190 min
Delta R.T.: 0.000 min
Response: 10885338
Conc: 94.91 ug/ml



#17 n-Tricontane (C30)

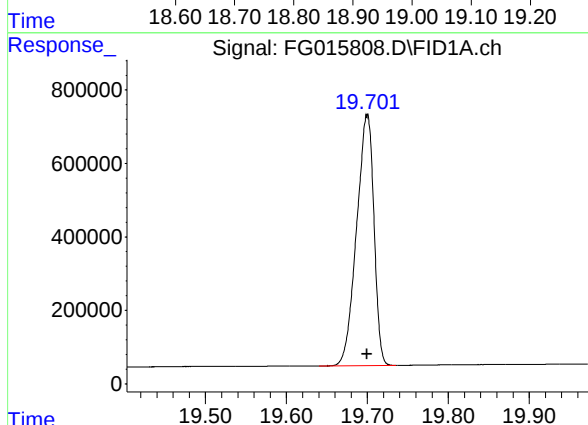
R.T.: 18.080 min
Delta R.T.: 0.000 min
Response: 10827008
Conc: 94.53 ug/ml

Instrument :
FID_G
ClientSampleId :
100 PPM ALIPHATIC HC STD1



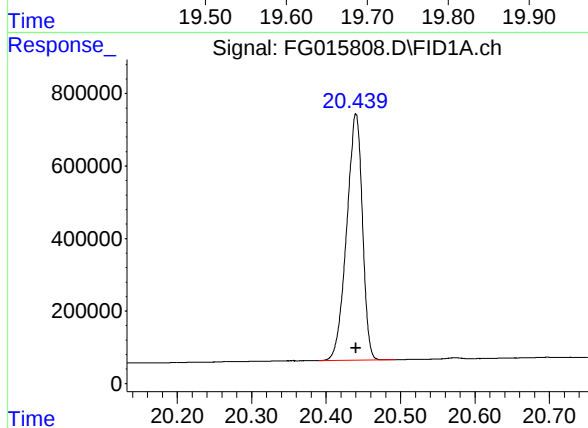
#18 n-Dotriacontane (C32)

R.T.: 18.914 min
Delta R.T.: 0.000 min
Response: 10646758
Conc: 94.24 ug/ml



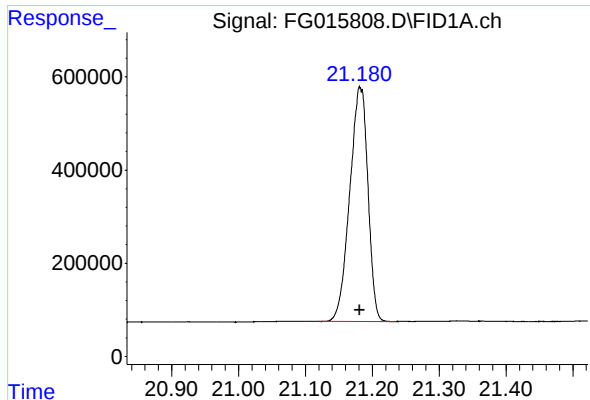
#19 n-Tetatriacontane (C34)

R.T.: 19.700 min
Delta R.T.: 0.000 min
Response: 10180353
Conc: 94.39 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.440 min
Delta R.T.: 0.000 min
Response: 10006499
Conc: 94.88 ug/ml



#21 n-Octatriacontane (C38)

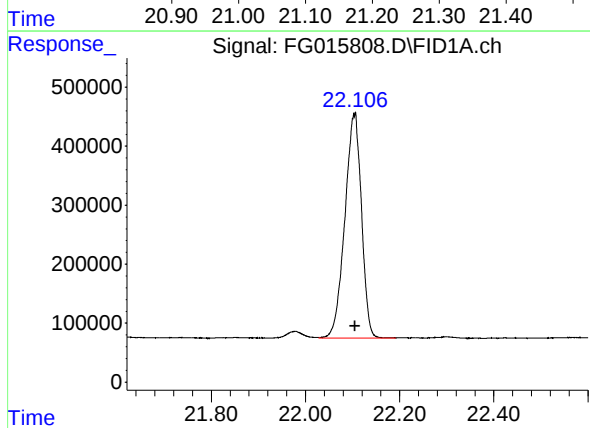
R.T.: 21.181 min
Delta R.T.: 0.000 min
Response: 9515311
Conc: 95.09 ug/ml

Instrument :

FID_G

ClientSampleId :

100 PPM ALIPHATIC HC STD1



#22 n-Tetracontane (C40)

R.T.: 22.105 min
Delta R.T.: 0.000 min
Response: 9334811
Conc: 96.23 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG051225AL\
 Data File : FG015808.D
 Signal(s) : FID1A.ch
 Acq On : 12 May 2025 10:30
 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 051225.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	3.248	3.215	3.290	PV	1092382	10920112	76.44%	4.442%
2	4.507	4.457	4.588	BB	1106009	11082680	77.58%	4.508%
3	6.219	6.184	6.357	BB	1189908	12073119	84.51%	4.911%
4	6.687	6.648	6.765	BB	1092992	11293150	79.05%	4.593%
5	7.323	7.269	7.438	BV	1156511	12080339	84.56%	4.914%
6	8.524	8.483	8.604	BB	1031623	11313251	79.19%	4.602%
7	10.139	10.094	10.216	BB	1018232	11551869	80.86%	4.699%
8	11.589	11.540	11.651	BB	993262	11693673	81.85%	4.756%
9	11.908	11.855	11.977	BB	1179180	14285857	100.00%	5.811%
10	12.902	12.859	12.958	BB	947545	11615349	81.31%	4.724%
11	13.349	13.305	13.407	BB	887278	10985534	76.90%	4.468%
12	13.517	13.473	13.572	BB	934388	11560167	80.92%	4.702%
13	14.105	14.060	14.164	BB	911149	11485556	80.40%	4.672%
14	15.213	15.165	15.267	BB	856134	11362245	79.53%	4.621%
15	16.238	16.179	16.295	BB	806102	11159200	78.11%	4.539%
16	17.190	17.130	17.245	BB	777963	10885338	76.20%	4.427%
17	18.080	18.015	18.134	BB	752450	10827008	75.79%	4.404%
18	18.914	18.843	18.973	BB	749372	10646758	74.53%	4.330%
19	19.700	19.640	19.735	BB	678244	10180353	71.26%	4.141%
20	20.440	20.390	20.494	BV	678225	10006499	70.04%	4.070%
21	21.181	21.120	21.235	BV	502691	9515311	66.61%	3.870%
22	22.105	22.029	22.192	VV	378744	9334811	65.34%	3.797%
Sum of corrected areas:						245858178		

Aliphatic EPH 051225.M Mon May 12 13:53:06 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG051225AL\
 Data File : FG015809.D
 Signal(s) : FID1A.ch
 Acq On : 12 May 2025 10:59
 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: May 12 11:44:52 2025
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Compound	R.T.	Response	Conc Units

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Spiked Amount 50.000		Recovery =	97.45%
12) S 1-chlorooctadecane (S...	13.343	5502847	48.716 ug/ml
Spiked Amount 50.000		Recovery =	97.43%
Target Compounds			
1) T n-Nonane (C9)	3.244	5439413	48.910 ug/ml
2) T n-Decane (C10)	4.503	5482947	48.793 ug/ml
3) T A~Naphthalene (C11.7)	6.215	5899885	49.020 ug/ml
4) T n-Dodecane (C12)	6.683	5577432	48.719 ug/ml
5) T A~2-methylnaphthalene...	7.318	5854552	48.968 ug/ml
6) T n-Tetradecane (C14)	8.520	5593973	48.815 ug/ml
7) T n-Hexadecane (C16)	10.134	5733374	48.766 ug/ml
8) T n-Octadecane (C18)	11.584	5838904	48.736 ug/ml
10) T n-Eicosane (C20)	12.897	5826997	48.697 ug/ml
11) T n-Heneicosane (C21)	13.512	5807080	48.685 ug/ml
13) T n-Docosane (C22)	14.100	5775786	48.715 ug/ml
14) T n-Tetracosane (C24)	15.207	5723420	48.693 ug/ml
15) T n-Hexacosane (C26)	16.232	5628641	48.657 ug/ml
16) T n-Octacosane (C28)	17.185	5502157	48.631 ug/ml
17) T n-Tricontane (C30)	18.075	5488201	48.593 ug/ml
18) T n-Dotriacontane (C32)	18.910	5406675	48.552 ug/ml
19) T n-Tetratriacontane (C34)	19.695	5165487	48.577 ug/ml
20) T n-Hexatriacontane (C36)	20.436	5059937	48.632 ug/ml
21) T n-Octatriacontane (C38)	21.177	4810203	48.697 ug/ml
22) T n-Tetracontane (C40)	22.098	4687989	48.872 ug/ml

(f)=RT Delta > 1/2 Window

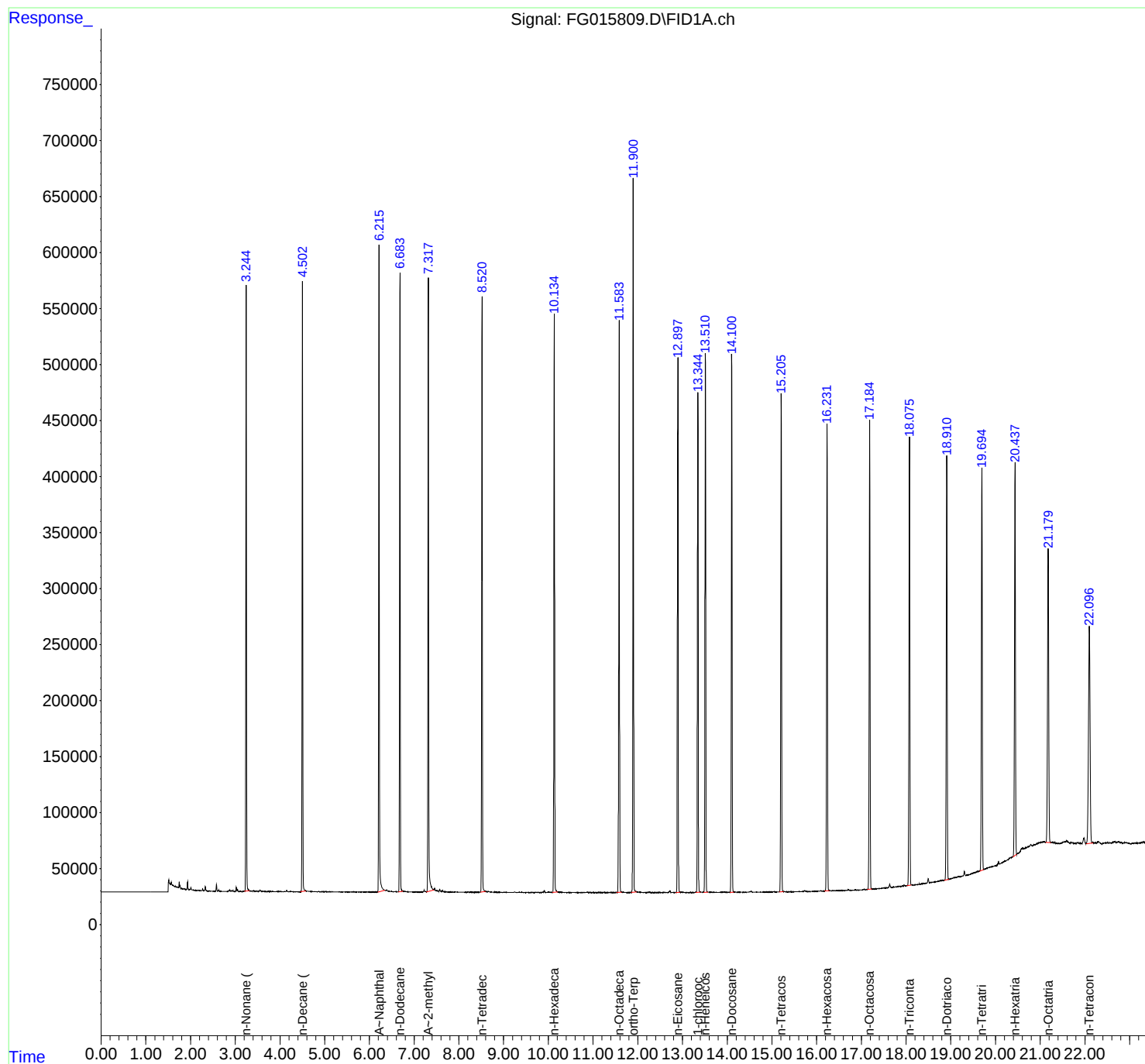
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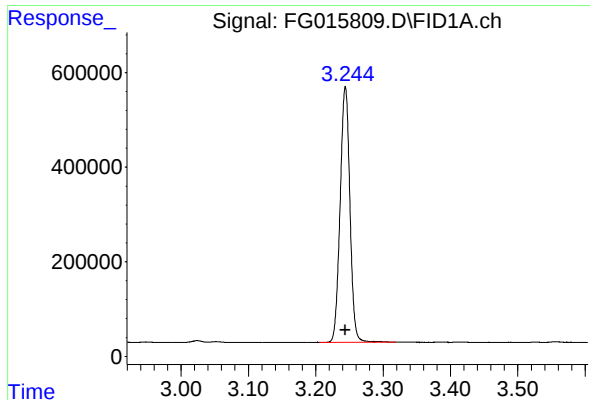
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG051225AL\
Data File : FG015809.D
Signal(s) : FID1A.ch
Acq On : 12 May 2025 10:59
Operator : YP\AJ
Sample : 50 PPM ALIPHATIC HC STD2
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
50 PPM ALIPHATIC HC STD2

Integration File: autoint1.e
Quant Time: May 12 11:44:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 051225.M
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Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

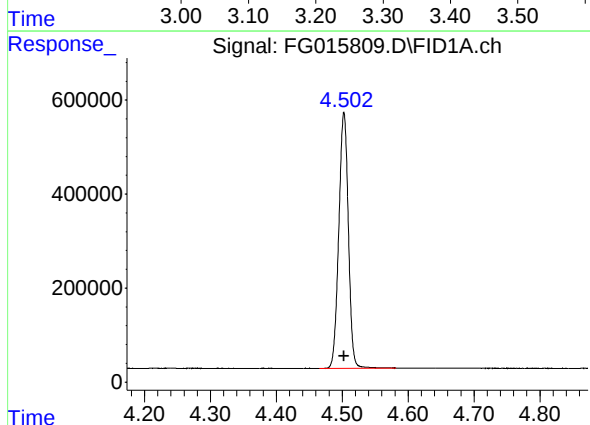




#1 n-Nonane (C9)

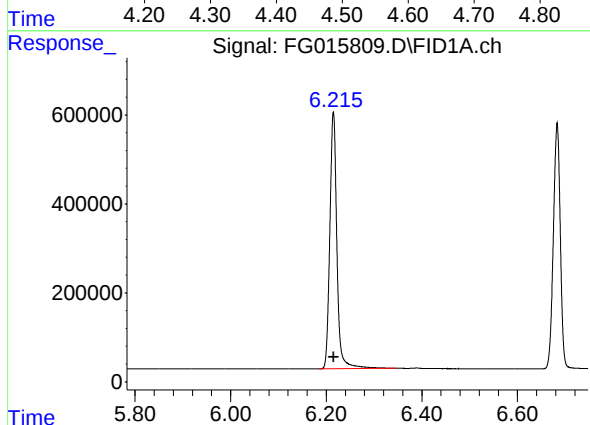
R.T.: 3.244 min
Delta R.T.: 0.000 min
Response: 5439413
Conc: 48.91 ug/ml

Instrument :
FID_G
ClientSampleId :
50 PPM ALIPHATIC HC STD2



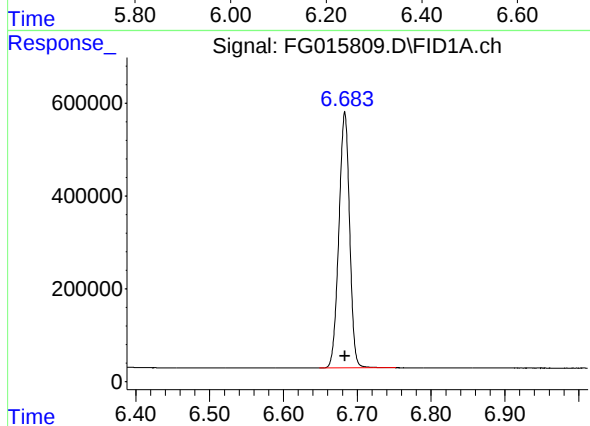
#2 n-Decane (C10)

R.T.: 4.503 min
Delta R.T.: 0.000 min
Response: 5482947
Conc: 48.79 ug/ml



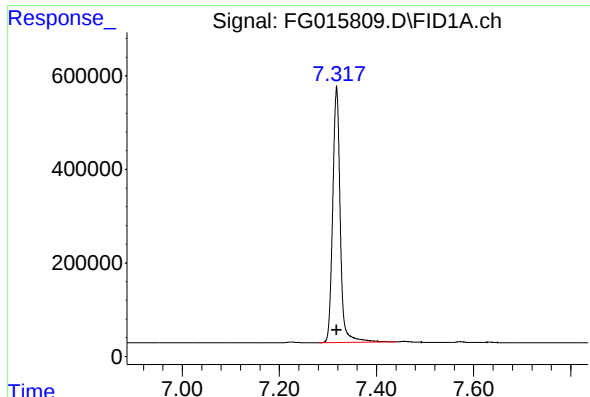
#3 A~Naphthalene (C11.7)

R.T.: 6.215 min
Delta R.T.: 0.000 min
Response: 5899885
Conc: 49.02 ug/ml



#4 n-Dodecane (C12)

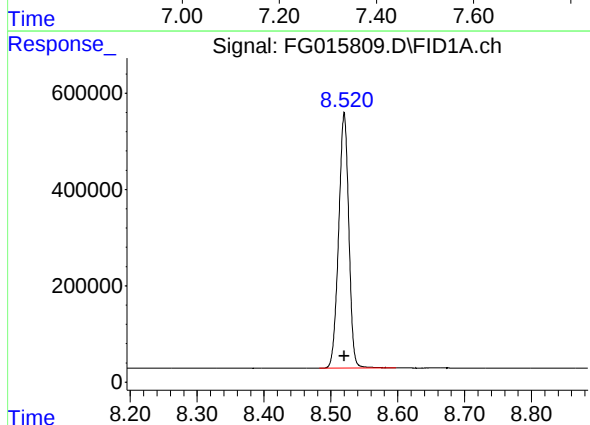
R.T.: 6.683 min
Delta R.T.: 0.000 min
Response: 5577432
Conc: 48.72 ug/ml



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

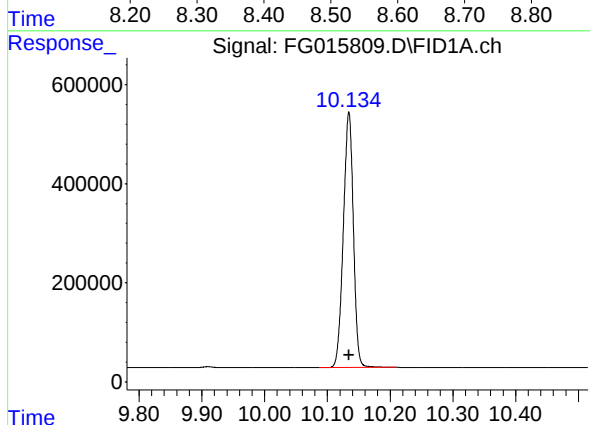
R.T.: 7.318 min
Delta R.T.: 0.000 min
Response: 5854552
Conc: 48.97 ug/ml

Instrument :
FID_G
ClientSampleId :
50 PPM ALIPHATIC HC STD2



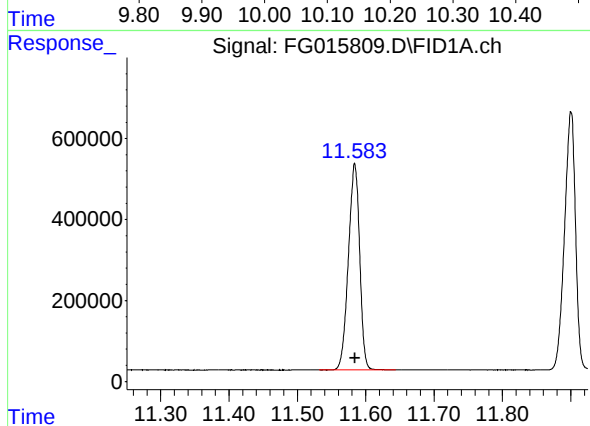
#6 n-Tetradecane (C14)

R.T.: 8.520 min
Delta R.T.: 0.000 min
Response: 5593973
Conc: 48.82 ug/ml



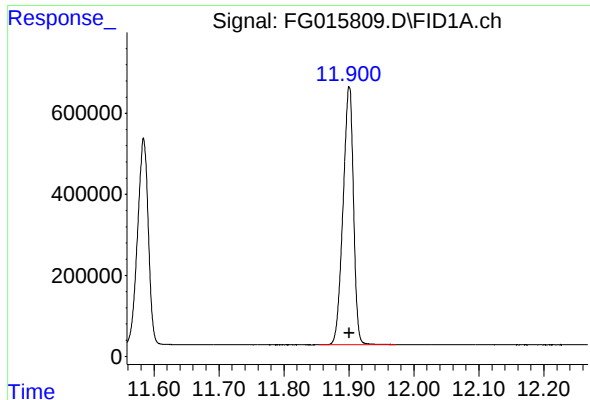
#7 n-Hexadecane (C16)

R.T.: 10.134 min
Delta R.T.: 0.000 min
Response: 5733374
Conc: 48.77 ug/ml



#8 n-Octadecane (C18)

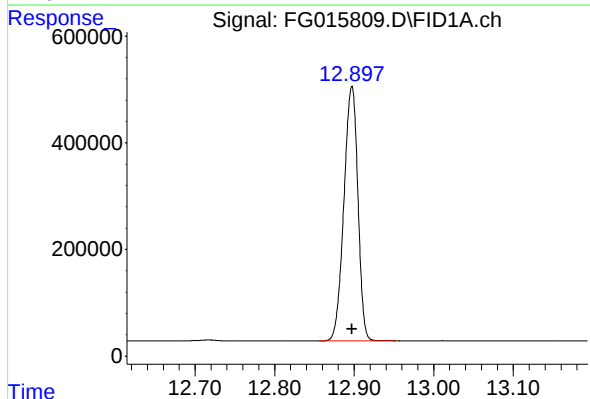
R.T.: 11.584 min
Delta R.T.: 0.000 min
Response: 5838904
Conc: 48.74 ug/ml



#9 ortho-Terphenyl (SURR)

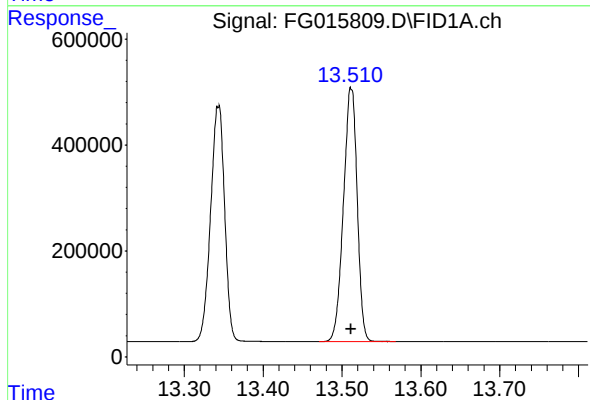
R.T.: 11.901 min
Delta R.T.: 0.000 min
Response: 7125825
Conc: 48.72 ug/ml

Instrument :
FID_G
ClientSampleId :
50 PPM ALIPHATIC HC STD2



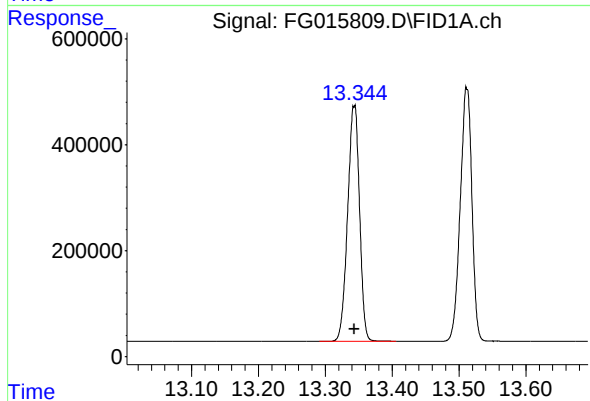
#10 n-Eicosane (C20)

R.T.: 12.897 min
Delta R.T.: 0.000 min
Response: 5826997
Conc: 48.70 ug/ml



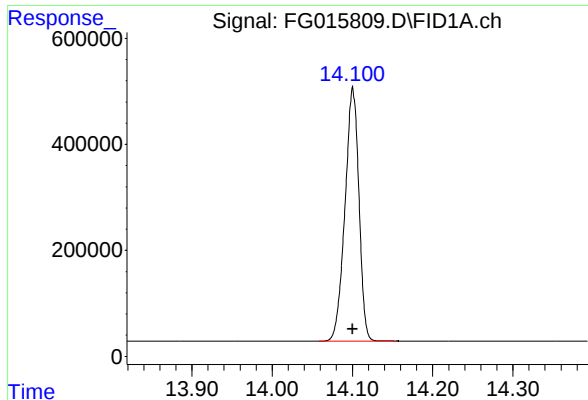
#11 n-Heneicosane (C21)

R.T.: 13.512 min
Delta R.T.: 0.000 min
Response: 5807080
Conc: 48.69 ug/ml



#12 1-chlorooctadecane (SURR)

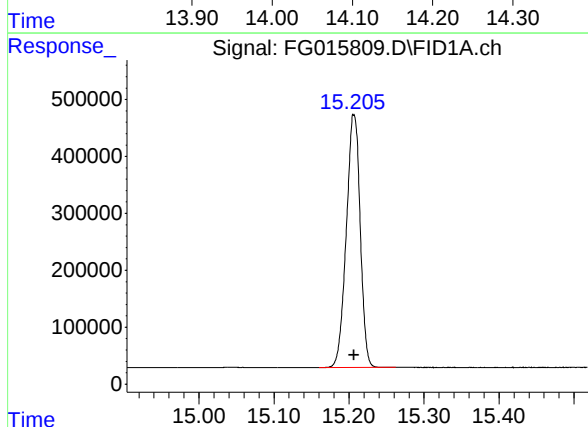
R.T.: 13.343 min
Delta R.T.: 0.000 min
Response: 5502847
Conc: 48.72 ug/ml



#13 n-Docosane (C22)

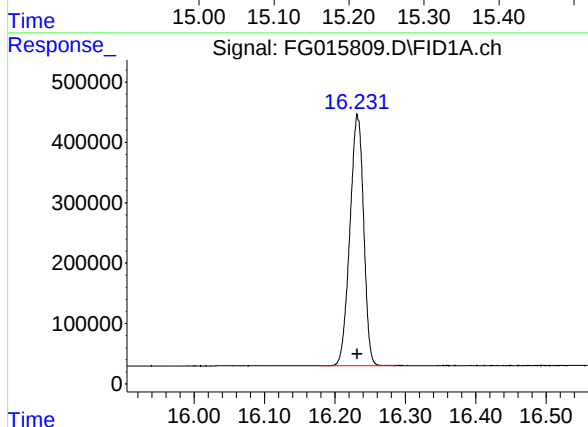
R.T.: 14.100 min
Delta R.T.: 0.000 min
Response: 5775786
Conc: 48.71 ug/ml

Instrument :
FID_G
ClientSampleId :
50 PPM ALIPHATIC HC STD2



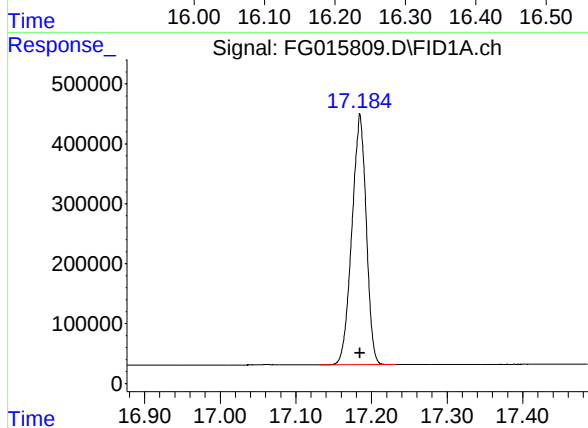
#14 n-Tetracosane (C24)

R.T.: 15.207 min
Delta R.T.: 0.000 min
Response: 5723420
Conc: 48.69 ug/ml



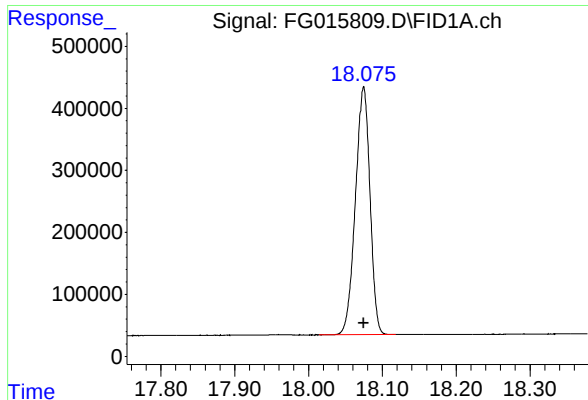
#15 n-Hexacosane (C26)

R.T.: 16.232 min
Delta R.T.: 0.000 min
Response: 5628641
Conc: 48.66 ug/ml



#16 n-Octacosane (C28)

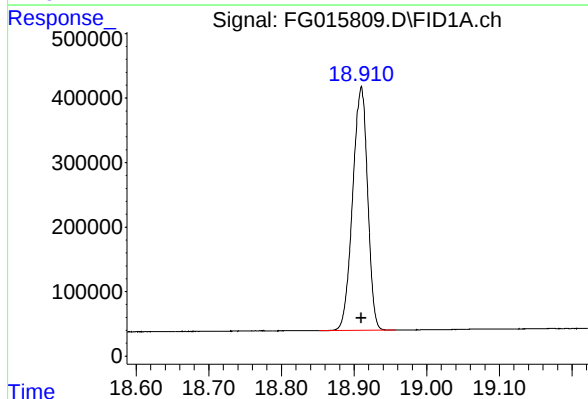
R.T.: 17.185 min
Delta R.T.: 0.000 min
Response: 5502157
Conc: 48.63 ug/ml



#17 n-Tricontane (C30)

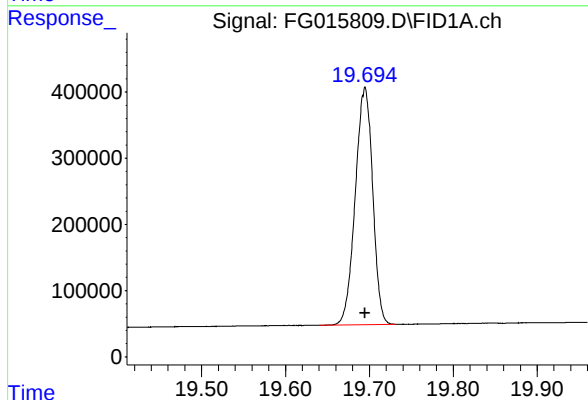
R.T.: 18.075 min
Delta R.T.: 0.000 min
Response: 5488201
Conc: 48.59 ug/ml

Instrument :
FID_G
ClientSampleId :
50 PPM ALIPHATIC HC STD2



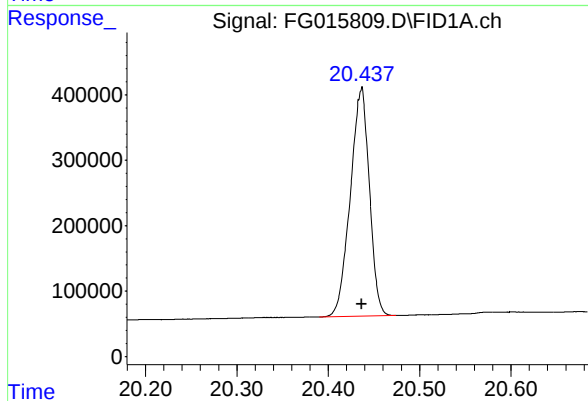
#18 n-Dotriacontane (C32)

R.T.: 18.910 min
Delta R.T.: 0.000 min
Response: 5406675
Conc: 48.55 ug/ml



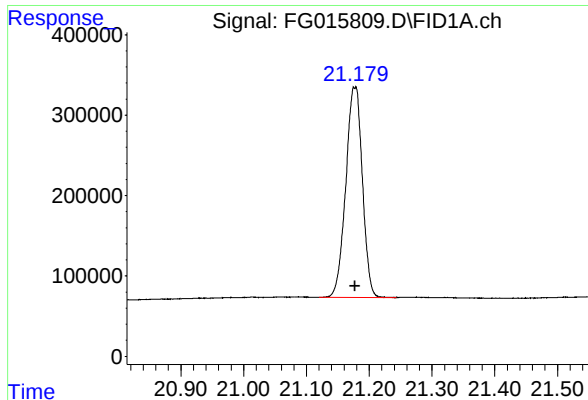
#19 n-Tetratriacontane (C34)

R.T.: 19.695 min
Delta R.T.: 0.000 min
Response: 5165487
Conc: 48.58 ug/ml



#20 n-Hexatriacontane (C36)

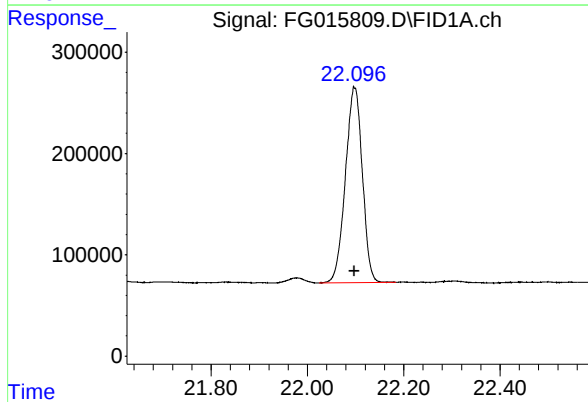
R.T.: 20.436 min
Delta R.T.: 0.000 min
Response: 5059937
Conc: 48.63 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.177 min
Delta R.T.: 0.000 min
Response: 4810203
Conc: 48.70 ug/ml

Instrument :
FID_G
ClientSampleId :
50 PPM ALIPHATIC HC STD2



#22 n-Tetracontane (C40)

R.T.: 22.098 min
Delta R.T.: 0.000 min
Response: 4687989
Conc: 48.87 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG051225AL\
Data File : FG015809.D
Signal(s) : FID1A.ch
Acq On : 12 May 2025 10:59
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 051225.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	3.244	3.205	3.319	BB	540484	5439413	76.33%	4.425%
2	4.503	4.465	4.582	BB	545025	5482947	76.94%	4.460%
3	6.215	6.185	6.346	BB	577088	5899885	82.80%	4.799%
4	6.683	6.648	6.753	BB	551923	5577432	78.27%	4.537%
5	7.318	7.282	7.440	BV	546558	5854552	82.16%	4.762%
6	8.520	8.482	8.598	BB	531616	5593973	78.50%	4.550%
7	10.134	10.087	10.209	BB	516308	5733374	80.46%	4.664%
8	11.584	11.532	11.644	BB	509264	5838904	81.94%	4.750%
9	11.901	11.854	11.973	BB	635421	7125825	100.00%	5.797%
10	12.897	12.856	12.953	BB	477641	5826997	81.77%	4.740%
11	13.343	13.291	13.406	BB	441974	5502847	77.22%	4.476%
12	13.512	13.471	13.568	BB	475865	5807080	81.49%	4.724%
13	14.100	14.058	14.154	BB	478710	5775786	81.05%	4.698%
14	15.207	15.160	15.263	BB	443365	5723420	80.32%	4.656%
15	16.232	16.178	16.287	BB	414894	5628641	78.99%	4.579%
16	17.185	17.131	17.233	BB	417949	5502157	77.21%	4.476%
17	18.075	18.014	18.118	BB	400670	5488201	77.02%	4.464%
18	18.910	18.852	18.958	BB	378226	5406675	75.87%	4.398%
19	19.695	19.640	19.732	BB	359469	5165487	72.49%	4.202%
20	20.436	20.390	20.474	BV	348873	5059937	71.01%	4.116%
21	21.177	21.120	21.243	BB	259614	4810203	67.50%	3.913%
22	22.098	22.024	22.184	PV	192836	4687989	65.79%	3.813%
Sum of corrected areas:						122931726		

Aliphatic EPH 051225.M Mon May 12 13:53:37 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG051225AL\
 Data File : FG015810.D
 Signal(s) : FID1A.ch
 Acq On : 12 May 2025 11:28
 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: May 12 11:41:36 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 051225.M
 Quant Title : GC Extractables
 QLast Update : Mon May 12 11:41:19 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)	11.896	3067401	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
12) S 1-chlorooctadecane (S...	13.341	2379192	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
Target Compounds			
1) T n-Nonane (C9)	3.242	2312924	20.000 ug/ml
2) T n-Decane (C10)	4.501	2332582	20.000 ug/ml
3) T A~Naphthalene (C11.7)	6.214	2446759	20.000 ug/ml
4) T n-Dodecane (C12)	6.681	2379271	20.000 ug/ml
5) T A~2-methylnaphthalene...	7.316	2415642	20.000 ug/ml
6) T n-Tetradecane (C14)	8.518	2375415	20.000 ug/ml
7) T n-Hexadecane (C16)	10.131	2450401	20.000 ug/ml
8) T n-Octadecane (C18)	11.580	2514102	20.000 ug/ml
10) T n-Eicosane (C20)	12.895	2525610	20.000 ug/ml
11) T n-Heneicosane (C21)	13.508	2521784	20.000 ug/ml
13) T n-Docosane (C22)	14.097	2506351	20.000 ug/ml
14) T n-Tetracosane (C24)	15.204	2490681	20.000 ug/ml
15) T n-Hexacosane (C26)	16.229	2457561	20.000 ug/ml
16) T n-Octacosane (C28)	17.181	2410497	20.000 ug/ml
17) T n-Tricontane (C30)	18.071	2415823	20.000 ug/ml
18) T n-Dotriacontane (C32)	18.906	2389551	20.000 ug/ml
19) T n-Tetratriacontane (C34)	19.691	2277934	20.000 ug/ml
20) T n-Hexatriacontane (C36)	20.432	2217509	20.000 ug/ml
21) T n-Octatriacontane (C38)	21.172	2099538	20.000 ug/ml
22) T n-Tetracontane (C40)	22.092	2013326	20.000 ug/ml

(f)=RT Delta > 1/2 Window

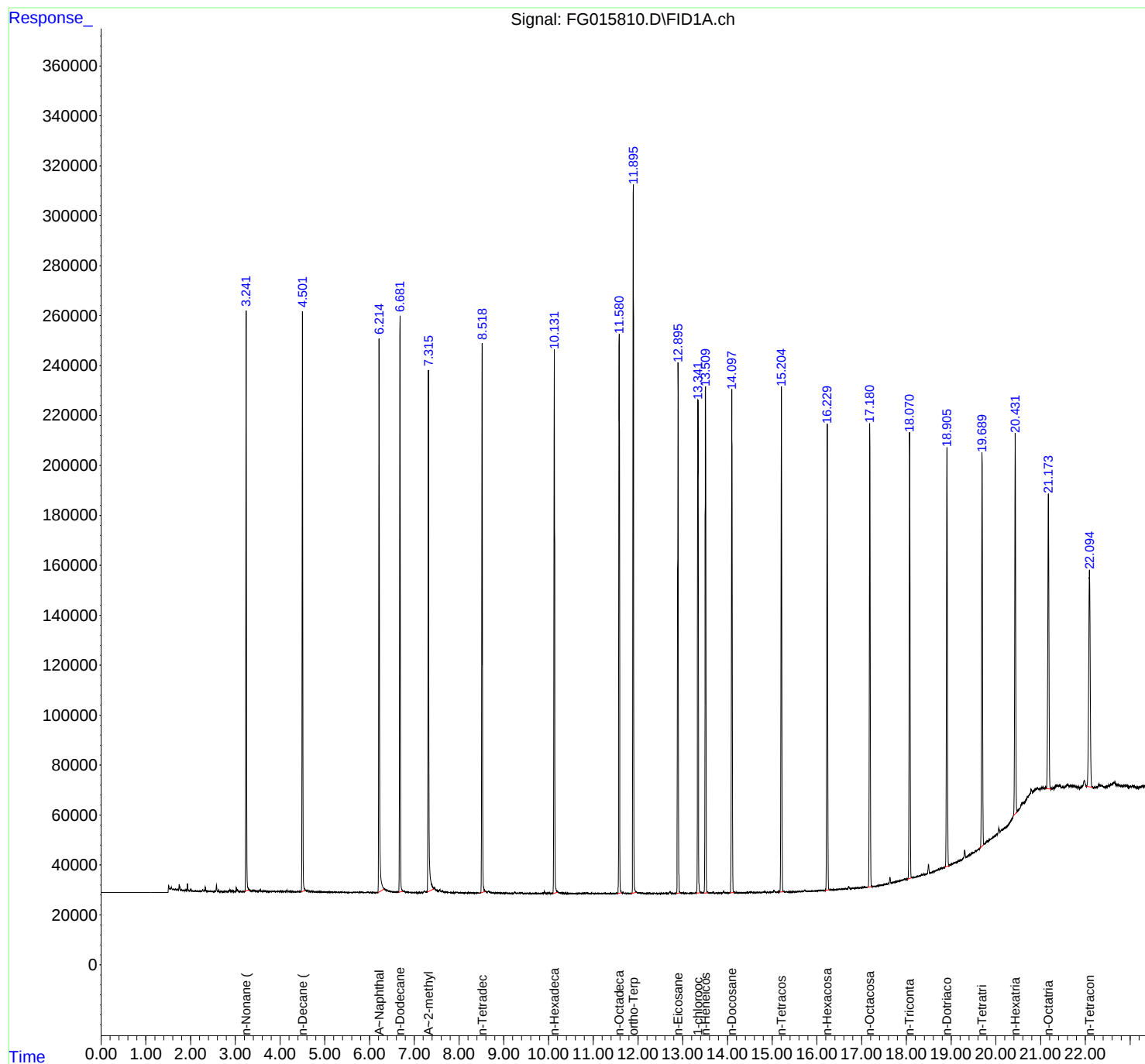
(m)=manual int.

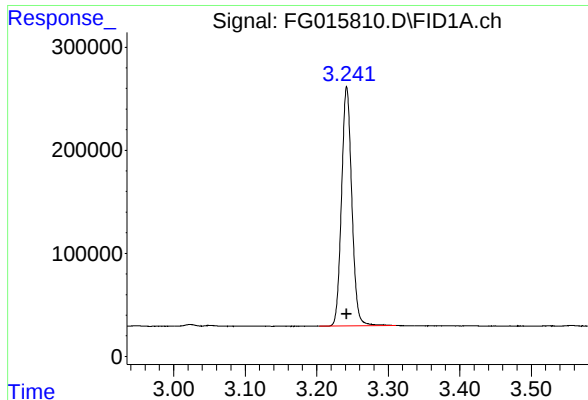
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG051225AL\
Data File : FG015810.D
Signal(s) : FID1A.ch
Acq On : 12 May 2025 11:28
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD3
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD3

Integration File: autoint1.e
Quant Time: May 12 11:41:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 051225.M
Quant Title : GC Extractables
QLast Update : Mon May 12 11:41:19 2025
Response via : Initial Calibration
Integrator: ChemStation

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

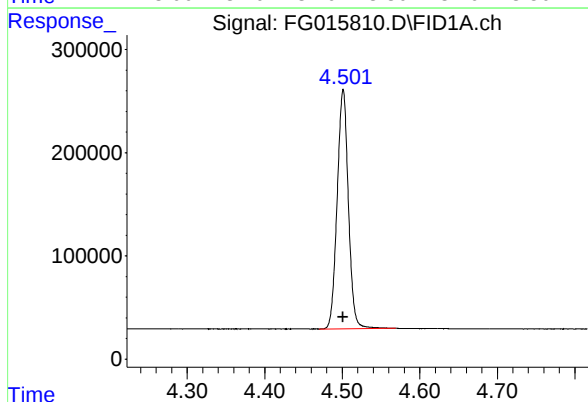




#1 n-Nonane (C9)

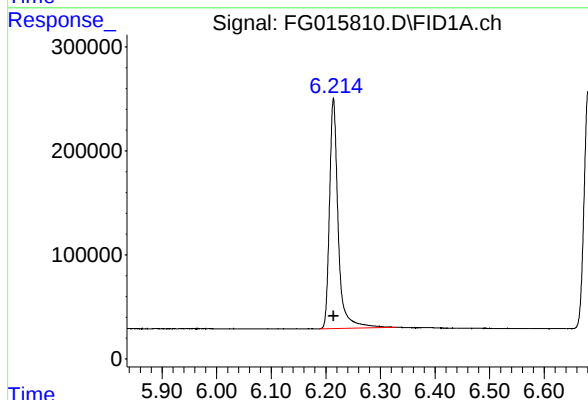
R.T.: 3.242 min
Delta R.T.: 0.000 min
Response: 2312924
Conc: 20.00 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD3



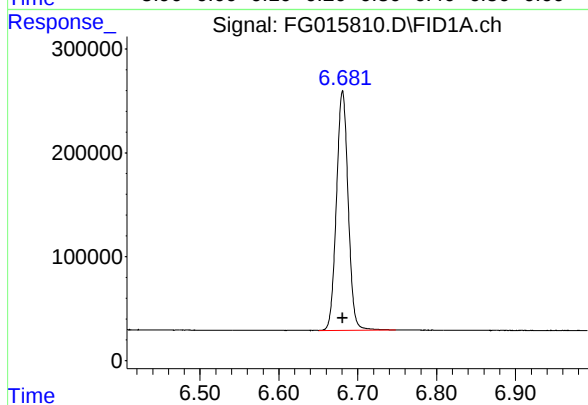
#2 n-Decane (C10)

R.T.: 4.501 min
Delta R.T.: 0.000 min
Response: 2332582
Conc: 20.00 ug/ml



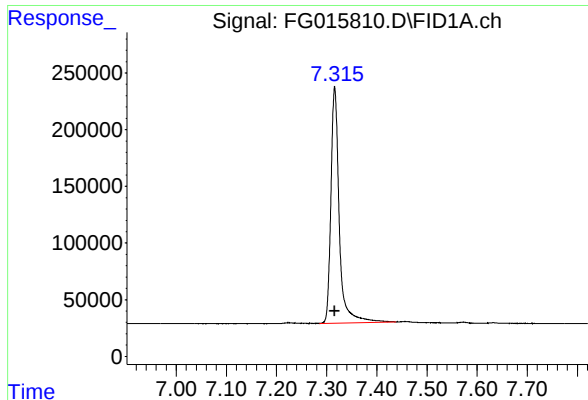
#3 A~Naphthalene (C11.7)

R.T.: 6.214 min
Delta R.T.: 0.000 min
Response: 2446759
Conc: 20.00 ug/ml



#4 n-Dodecane (C12)

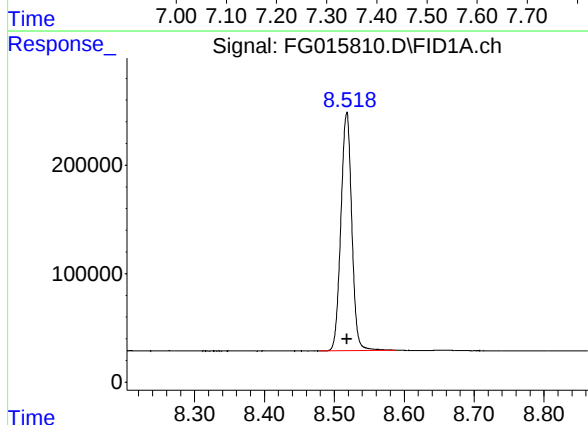
R.T.: 6.681 min
Delta R.T.: 0.000 min
Response: 2379271
Conc: 20.00 ug/ml



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

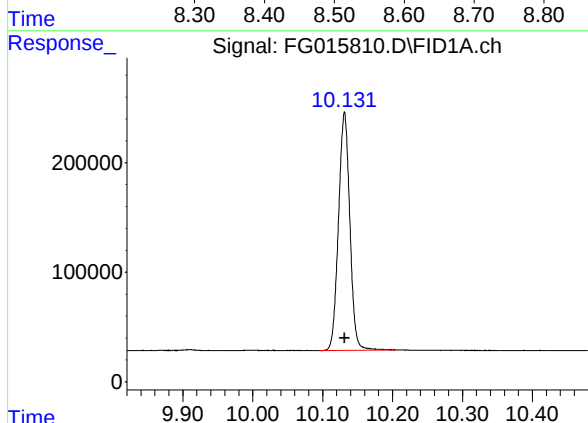
R.T.: 7.316 min
Delta R.T.: 0.000 min
Response: 2415642
Conc: 20.00 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD3



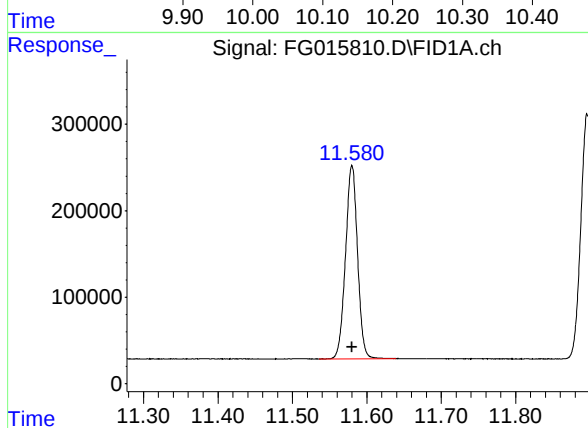
#6 n-Tetradecane (C14)

R.T.: 8.518 min
Delta R.T.: 0.000 min
Response: 2375415
Conc: 20.00 ug/ml



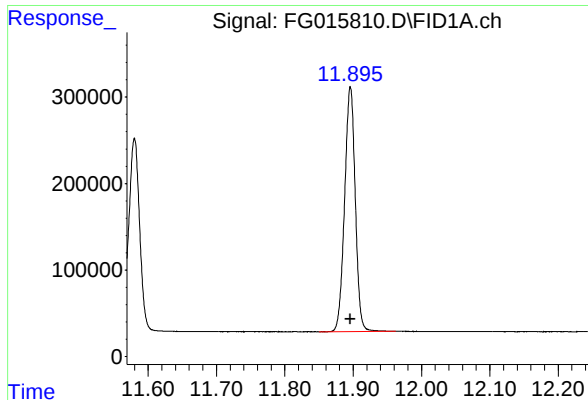
#7 n-Hexadecane (C16)

R.T.: 10.131 min
Delta R.T.: 0.000 min
Response: 2450401
Conc: 20.00 ug/ml



#8 n-Octadecane (C18)

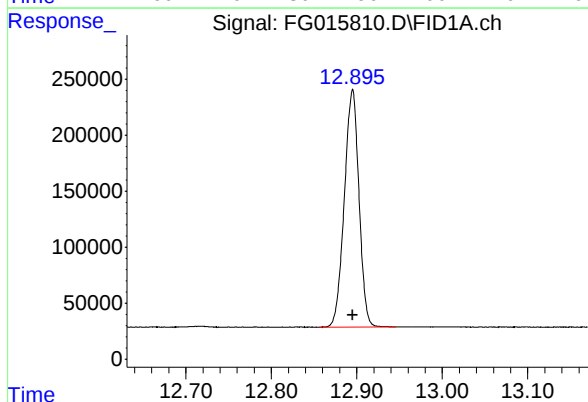
R.T.: 11.580 min
Delta R.T.: 0.000 min
Response: 2514102
Conc: 20.00 ug/ml



#9 ortho-Terphenyl (SURR)

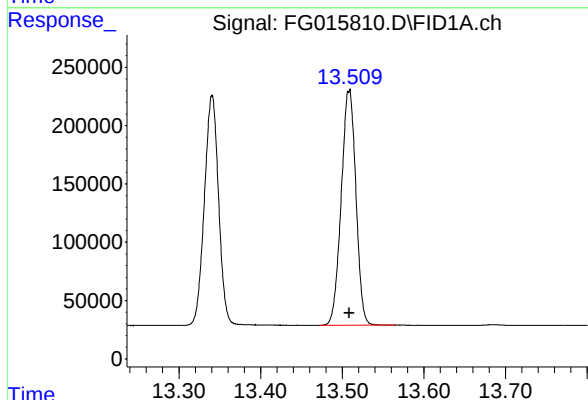
R.T.: 11.896 min
Delta R.T.: 0.000 min
Response: 3067401
Conc: 20.00 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD3



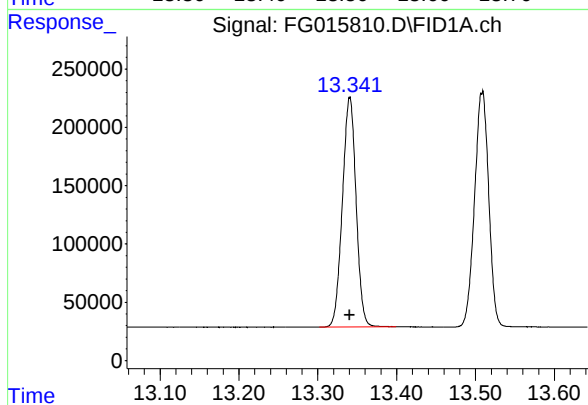
#10 n-Eicosane (C20)

R.T.: 12.895 min
Delta R.T.: 0.000 min
Response: 2525610
Conc: 20.00 ug/ml



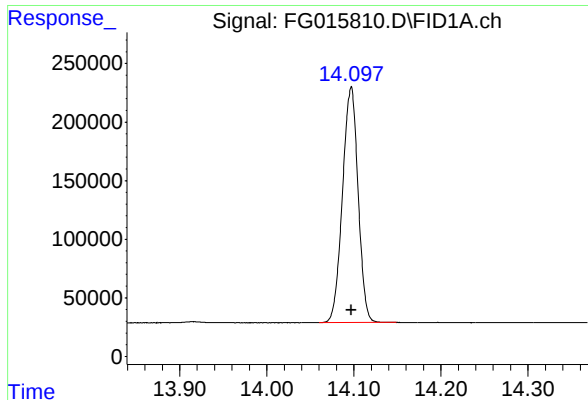
#11 n-Heneicosane (C21)

R.T.: 13.508 min
Delta R.T.: 0.000 min
Response: 2521784
Conc: 20.00 ug/ml



#12 1-chlorooctadecane (SURR)

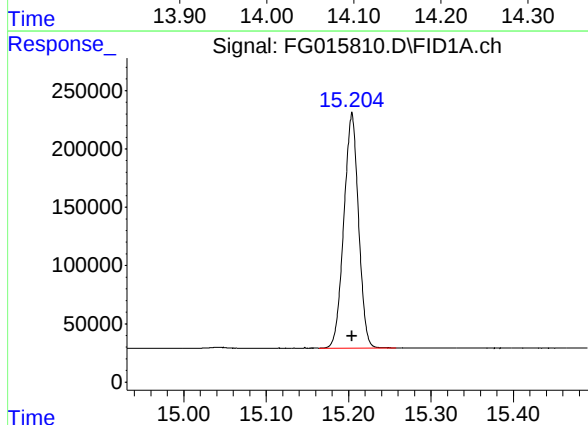
R.T.: 13.341 min
Delta R.T.: 0.000 min
Response: 2379192
Conc: 20.00 ug/ml



#13 n-Docosane (C22)

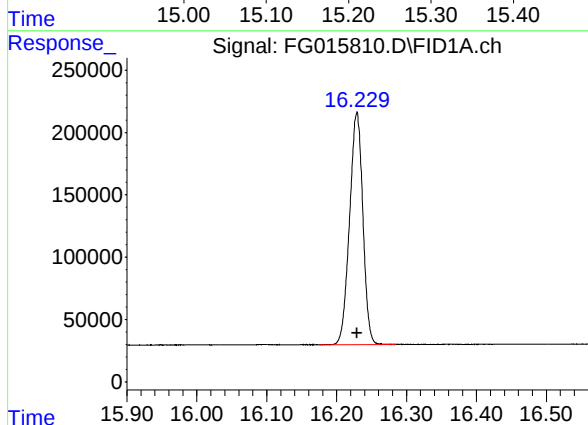
R.T.: 14.097 min
Delta R.T.: 0.000 min
Response: 2506351
Conc: 20.00 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD3



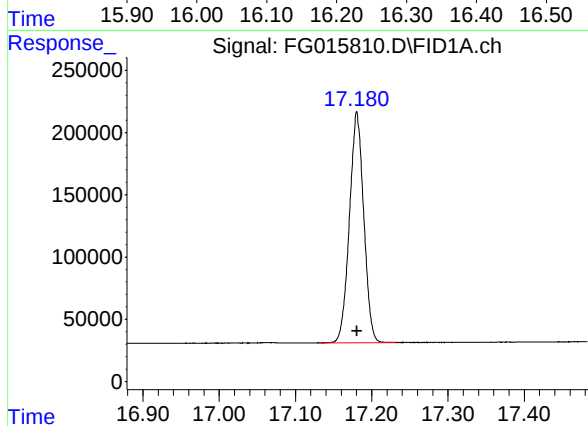
#14 n-Tetracosane (C24)

R.T.: 15.204 min
Delta R.T.: 0.000 min
Response: 2490681
Conc: 20.00 ug/ml



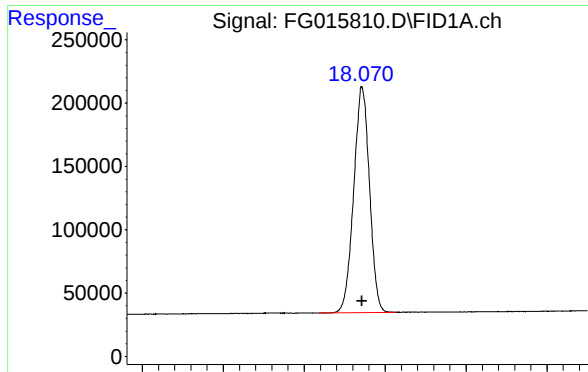
#15 n-Hexacosane (C26)

R.T.: 16.229 min
Delta R.T.: 0.000 min
Response: 2457561
Conc: 20.00 ug/ml



#16 n-Octacosane (C28)

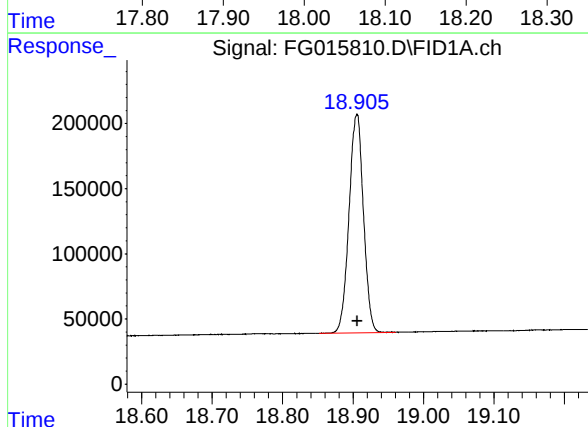
R.T.: 17.181 min
Delta R.T.: 0.000 min
Response: 2410497
Conc: 20.00 ug/ml



#17 n-Tricontane (C30)

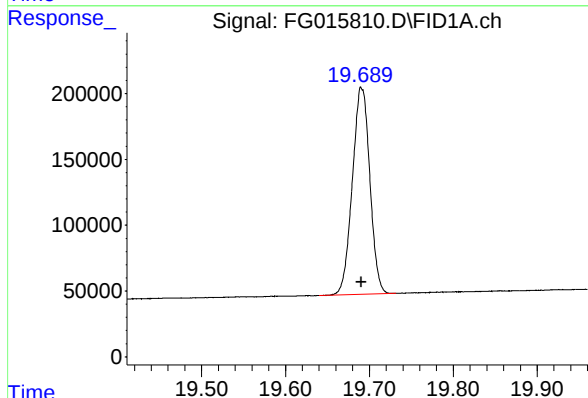
R.T.: 18.071 min
Delta R.T.: 0.000 min
Response: 2415823
Conc: 20.00 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD3



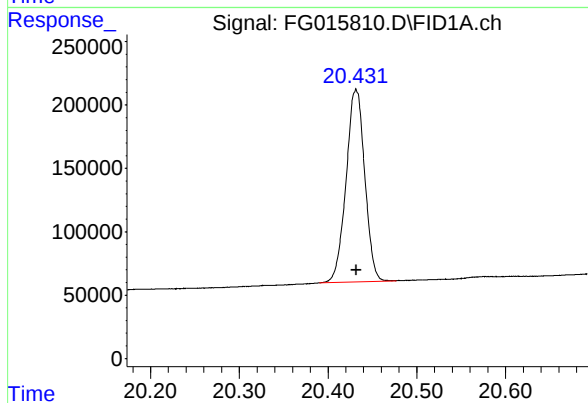
#18 n-Dotriacontane (C32)

R.T.: 18.906 min
Delta R.T.: 0.000 min
Response: 2389551
Conc: 20.00 ug/ml



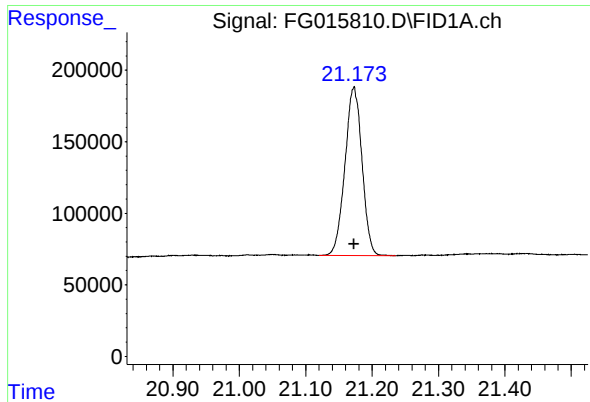
#19 n-Tetratriacontane (C34)

R.T.: 19.691 min
Delta R.T.: 0.000 min
Response: 2277934
Conc: 20.00 ug/ml



#20 n-Hexatriacontane (C36)

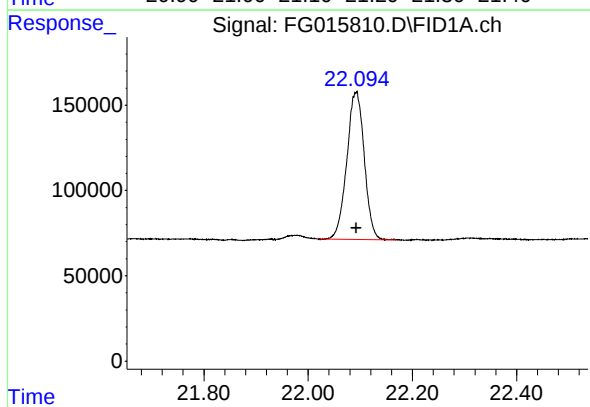
R.T.: 20.432 min
Delta R.T.: 0.000 min
Response: 2217509
Conc: 20.00 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.172 min
Delta R.T.: 0.000 min
Response: 2099538
Conc: 20.00 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD3



#22 n-Tetracontane (C40)

R.T.: 22.092 min
Delta R.T.: 0.000 min
Response: 2013326
Conc: 20.00 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG051225AL\
 Data File : FG015810.D
 Signal(s) : FID1A.ch
 Acq On : 12 May 2025 11:28
 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 051225.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	3.242	3.203	3.311	BB	232299	2312924	75.40%	4.364%
2	4.501	4.470	4.569	BB	232264	2332582	76.04%	4.401%
3	6.214	6.188	6.328	BB	221561	2446759	79.77%	4.617%
4	6.681	6.651	6.748	BB	230570	2379271	77.57%	4.489%
5	7.316	7.285	7.438	BB	208577	2415642	78.75%	4.558%
6	8.518	8.478	8.588	BB	218836	2375415	77.44%	4.482%
7	10.131	10.095	10.205	BB	218084	2450401	79.89%	4.623%
8	11.580	11.536	11.639	BB	223782	2514102	81.96%	4.744%
9	11.896	11.850	11.963	BB	283220	3067401	100.00%	5.788%
10	12.895	12.856	12.946	BB	212184	2525610	82.34%	4.765%
11	13.341	13.302	13.399	BB	197033	2379192	77.56%	4.489%
12	13.508	13.472	13.566	BB	199816	2521784	82.21%	4.758%
13	14.097	14.060	14.148	BB	200836	2506351	81.71%	4.729%
14	15.204	15.164	15.258	BB	201953	2490681	81.20%	4.699%
15	16.229	16.175	16.285	BB	186199	2457561	80.12%	4.637%
16	17.181	17.131	17.232	BB	185632	2410497	78.58%	4.548%
17	18.071	18.018	18.113	BB	177962	2415823	78.76%	4.558%
18	18.906	18.852	18.961	BB	167567	2389551	77.90%	4.509%
19	19.691	19.640	19.732	BB	156432	2277934	74.26%	4.298%
20	20.432	20.390	20.477	BB	152380	2217509	72.29%	4.184%
21	21.172	21.120	21.236	BB	117574	2099538	68.45%	3.961%
22	22.092	22.021	22.168	BB	85898	2013326	65.64%	3.799%
Sum of corrected areas:						52999853		

Aliphatic EPH 051225.M Mon May 12 13:53:59 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG051225AL\
 Data File : FG015811.D
 Signal(s) : FID1A.ch
 Acq On : 12 May 2025 11:58
 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: May 12 12:05:20 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 051225.M
 Quant Title : GC Extractables
 QLast Update : Mon May 12 12:05:12 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)	11.895	1602836	10.703 ug/ml
Spiked Amount 50.000		Recovery =	21.41%
12) S 1-chlorooctadecane (S...	13.341	1243902	10.740 ug/ml
Spiked Amount 50.000		Recovery =	21.48%
Target Compounds			
1) T n-Nonane (C9)	3.242	1201212	10.589 ug/ml
2) T n-Decane (C10)	4.501	1210017	10.565 ug/ml
3) T A~Naphthalene (C11.7)	6.214	1233022	10.182 ug/ml
4) T n-Dodecane (C12)	6.680	1231371	10.557 ug/ml
5) T A~2-methylnaphthalene...	7.317	1189879	9.964 ug/ml
6) T n-Tetradecane (C14)	8.517	1226578	10.519 ug/ml
7) T n-Hexadecane (C16)	10.131	1261485	10.538 ug/ml
8) T n-Octadecane (C18)	11.580	1305400	10.657 ug/ml
10) T n-Eicosane (C20)	12.894	1323436	10.775 ug/ml
11) T n-Heneicosane (C21)	13.508	1326101	10.816 ug/ml
13) T n-Docosane (C22)	14.096	1322212	10.840 ug/ml
14) T n-Tetracosane (C24)	15.203	1317600	10.881 ug/ml
15) T n-Hexacosane (C26)	16.226	1308211	10.950 ug/ml
16) T n-Octacosane (C28)	17.180	1292913	11.034 ug/ml
17) T n-Tricontane (C30)	18.071	1309744	11.152 ug/ml
18) T n-Dotriacontane (C32)	18.904	1302970	11.223 ug/ml
19) T n-Tetratriacontane (C34)	19.689	1230523	11.134 ug/ml
20) T n-Hexatriacontane (C36)	20.431	1187406	11.023 ug/ml
21) T n-Octatriacontane (C38)	21.172	1143762	11.139 ug/ml
22) T n-Tetracontane (C40)	22.091	1073686	10.869 ug/ml

(f)=RT Delta > 1/2 Window

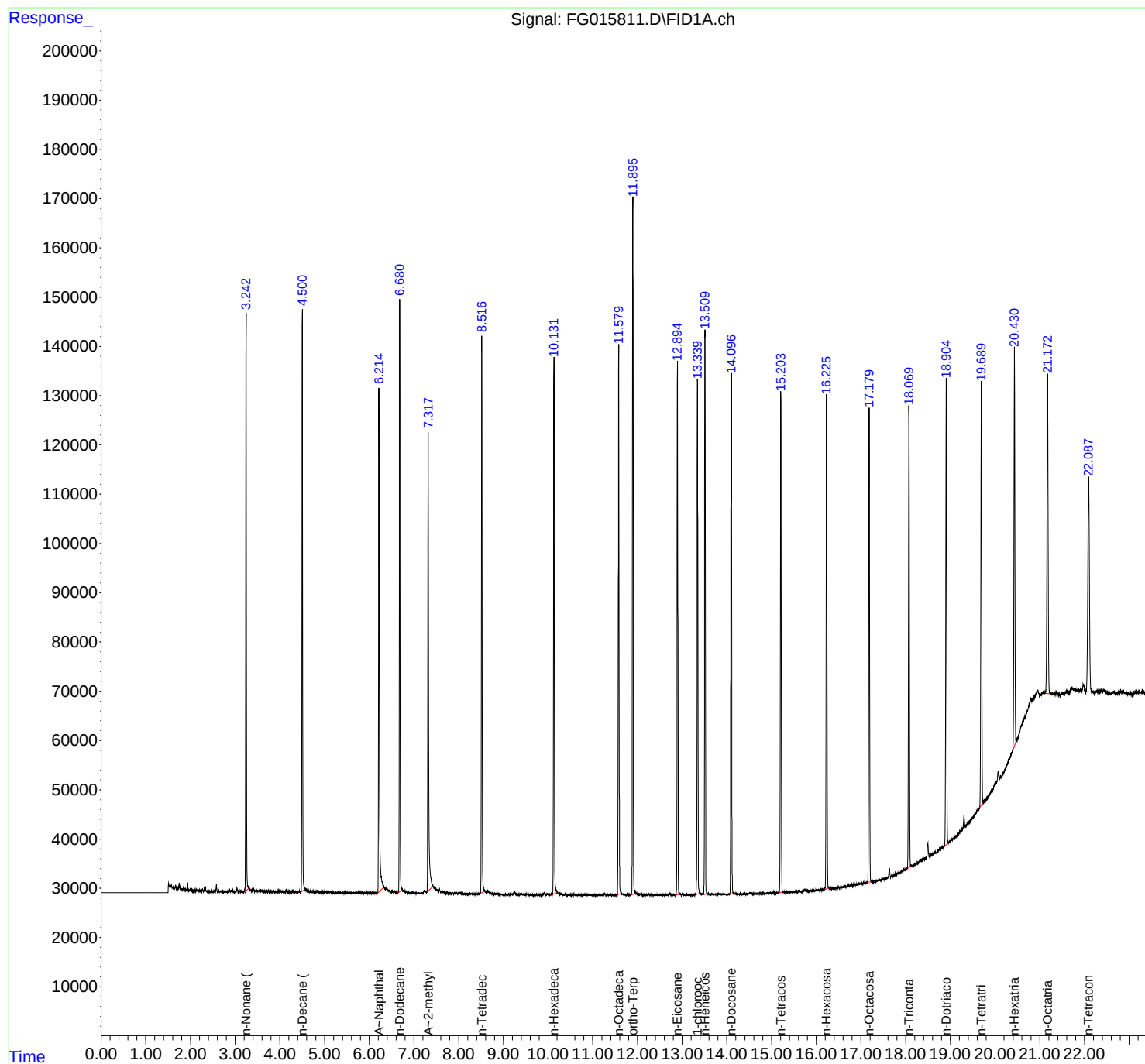
(m)=manual int.

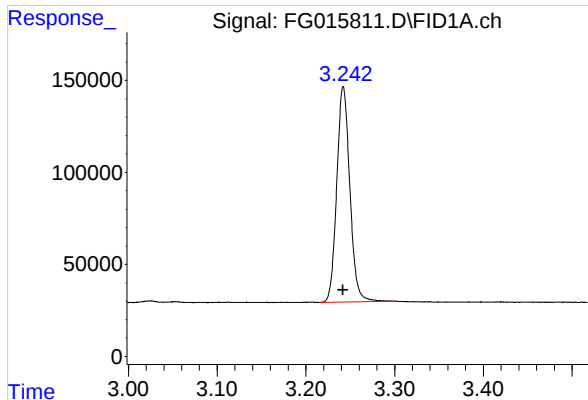
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG051225AL\
Data File : FG015811.D
Signal(s) : FID1A.ch
Acq On : 12 May 2025 11:58
Operator : YP\AJ
Sample : 10 PPM ALIPHATIC HC STD4
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
10 PPM ALIPHATIC HC STD4

Integration File: autoint1.e
Quant Time: May 12 12:05:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 051225.M
Quant Title : GC Extractables
QLast Update : Mon May 12 12:05:12 2025
Response via : Initial Calibration
Integrator: ChemStation

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

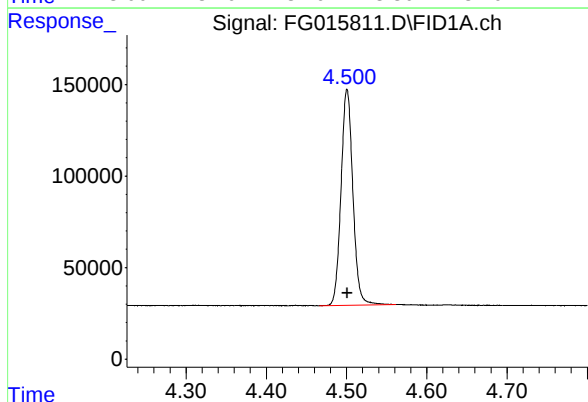




#1 n-Nonane (C9)

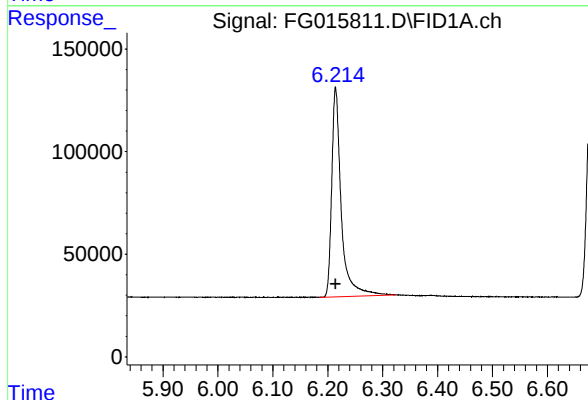
R.T.: 3.242 min
Delta R.T.: 0.000 min
Response: 1201212
Conc: 10.59 ug/ml

Instrument :
FID_G
ClientSampleId :
10 PPM ALIPHATIC HC STD4



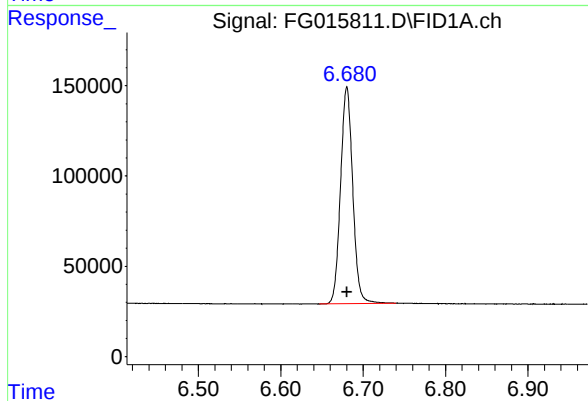
#2 n-Decane (C10)

R.T.: 4.501 min
Delta R.T.: 0.000 min
Response: 1210017
Conc: 10.57 ug/ml



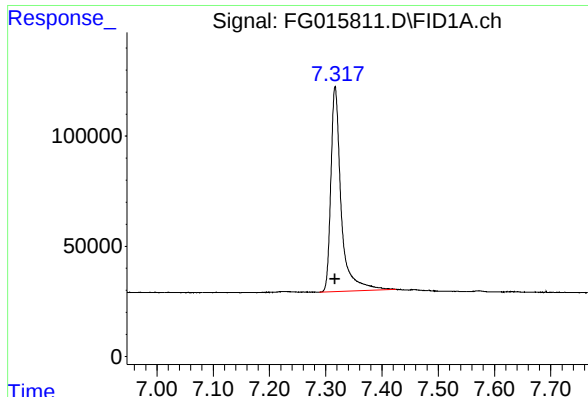
#3 A~Naphthalene (C11.7)

R.T.: 6.214 min
Delta R.T.: 0.000 min
Response: 1233022
Conc: 10.18 ug/ml



#4 n-Dodecane (C12)

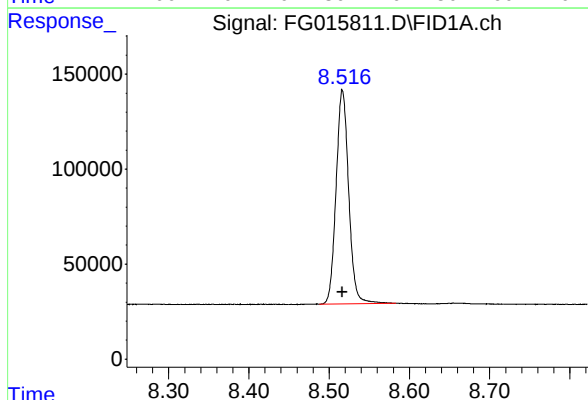
R.T.: 6.680 min
Delta R.T.: 0.000 min
Response: 1231371
Conc: 10.56 ug/ml



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

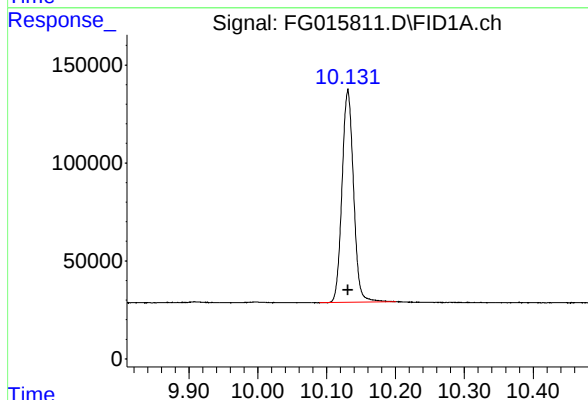
R.T.: 7.317 min
Delta R.T.: 0.000 min
Response: 1189879
Conc: 9.96 ug/ml

Instrument :
FID_G
ClientSampleId :
10 PPM ALIPHATIC HC STD4



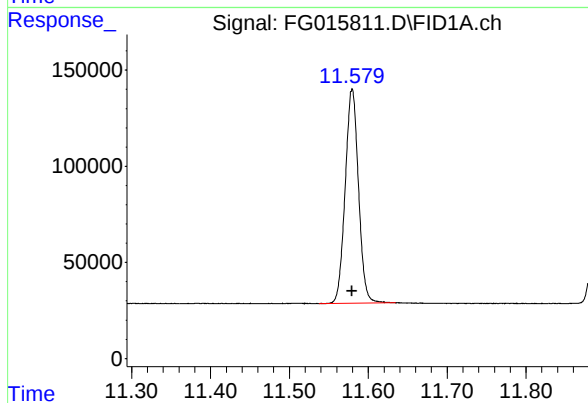
#6 n-Tetradecane (C14)

R.T.: 8.517 min
Delta R.T.: 0.000 min
Response: 1226578
Conc: 10.52 ug/ml



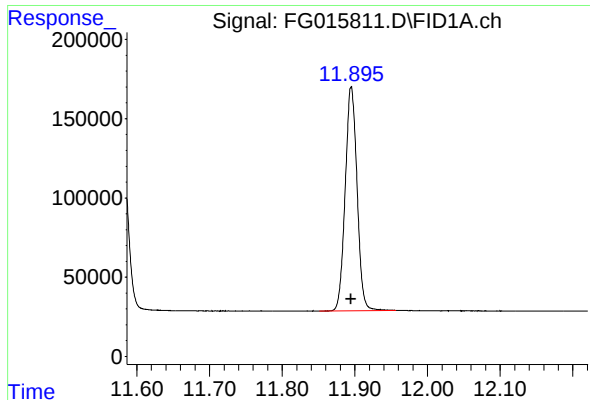
#7 n-Hexadecane (C16)

R.T.: 10.131 min
Delta R.T.: 0.000 min
Response: 1261485
Conc: 10.54 ug/ml



#8 n-Octadecane (C18)

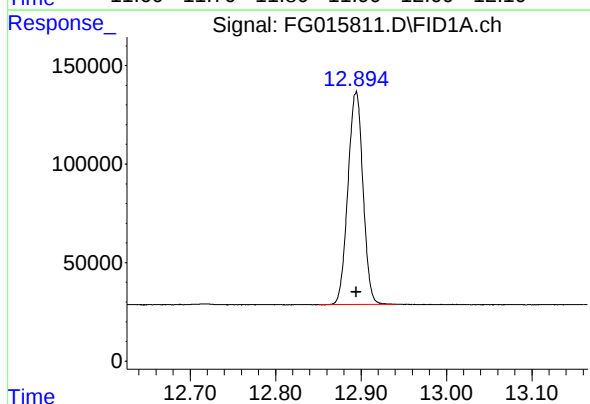
R.T.: 11.580 min
Delta R.T.: 0.000 min
Response: 1305400
Conc: 10.66 ug/ml



#9 ortho-Terphenyl (SURR)

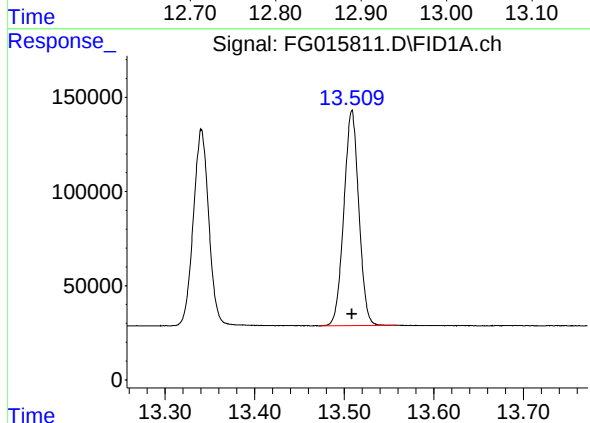
R.T.: 11.895 min
Delta R.T.: 0.000 min
Response: 1602836
Conc: 10.70 ug/ml

Instrument :
FID_G
ClientSampleId :
10 PPM ALIPHATIC HC STD4



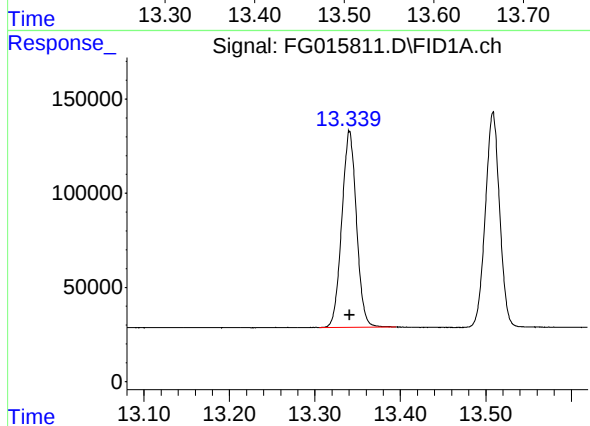
#10 n-Eicosane (C20)

R.T.: 12.894 min
Delta R.T.: 0.000 min
Response: 1323436
Conc: 10.77 ug/ml



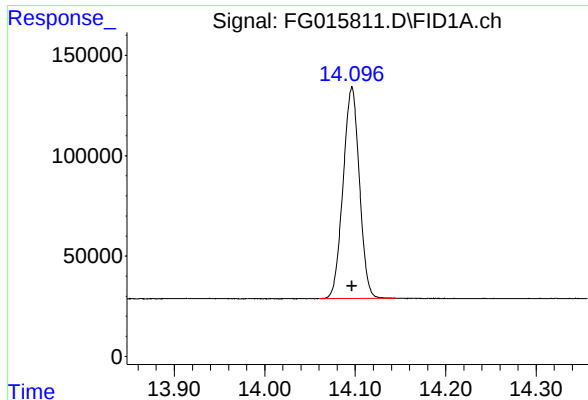
#11 n-Heneicosane (C21)

R.T.: 13.508 min
Delta R.T.: 0.000 min
Response: 1326101
Conc: 10.82 ug/ml



#12 1-chlorooctadecane (SURR)

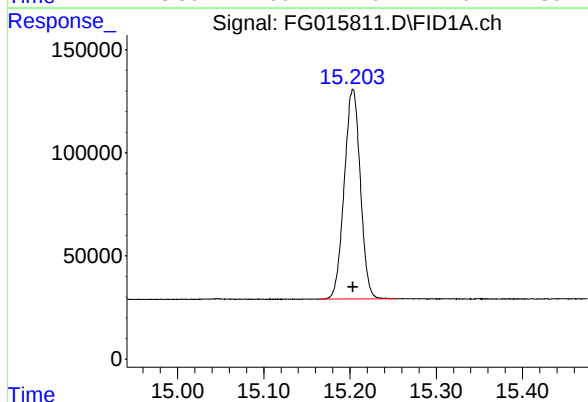
R.T.: 13.341 min
Delta R.T.: 0.000 min
Response: 1243902
Conc: 10.74 ug/ml



#13 n-Docosane (C22)

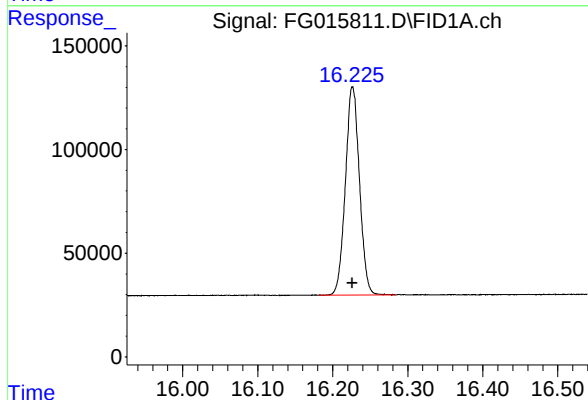
R.T.: 14.096 min
Delta R.T.: 0.000 min
Response: 1322212
Conc: 10.84 ug/ml

Instrument :
FID_G
ClientSampleId :
10 PPM ALIPHATIC HC STD4



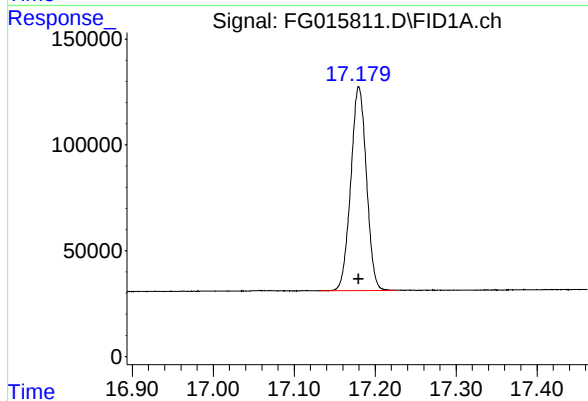
#14 n-Tetracosane (C24)

R.T.: 15.203 min
Delta R.T.: 0.000 min
Response: 1317600
Conc: 10.88 ug/ml



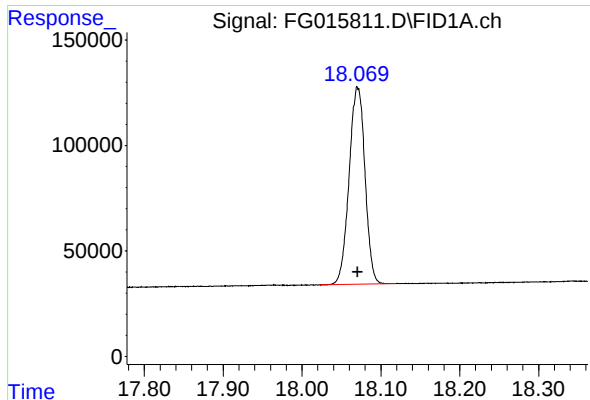
#15 n-Hexacosane (C26)

R.T.: 16.226 min
Delta R.T.: 0.000 min
Response: 1308211
Conc: 10.95 ug/ml



#16 n-Octacosane (C28)

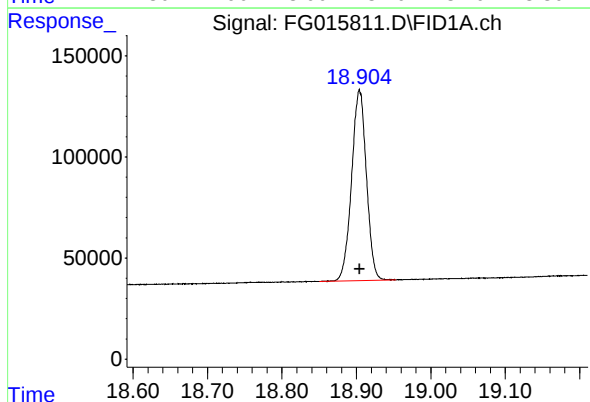
R.T.: 17.180 min
Delta R.T.: 0.000 min
Response: 1292913
Conc: 11.03 ug/ml



#17 n-Tricontane (C30)

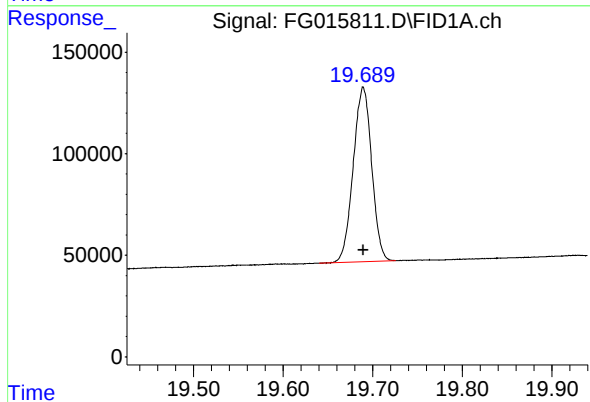
R.T.: 18.071 min
Delta R.T.: 0.000 min
Response: 1309744
Conc: 11.15 ug/ml

Instrument :
FID_G
ClientSampleId :
10 PPM ALIPHATIC HC STD4



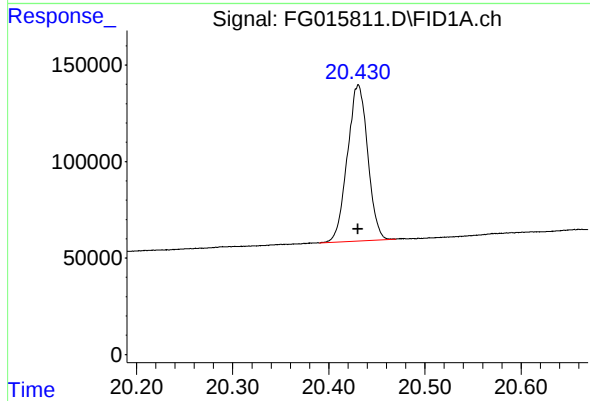
#18 n-Dotriacontane (C32)

R.T.: 18.904 min
Delta R.T.: 0.000 min
Response: 1302970
Conc: 11.22 ug/ml



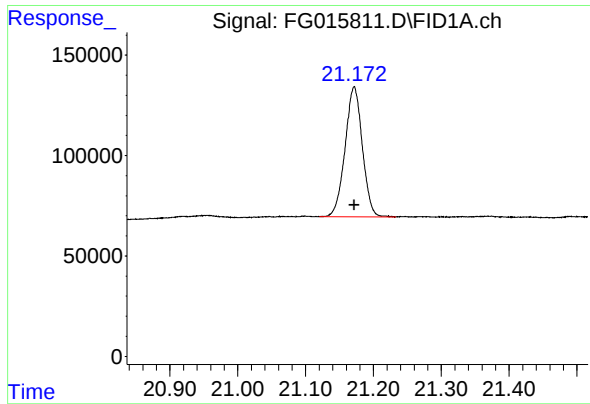
#19 n-Tetatriacontane (C34)

R.T.: 19.689 min
Delta R.T.: 0.000 min
Response: 1230523
Conc: 11.13 ug/ml



#20 n-Hexatriacontane (C36)

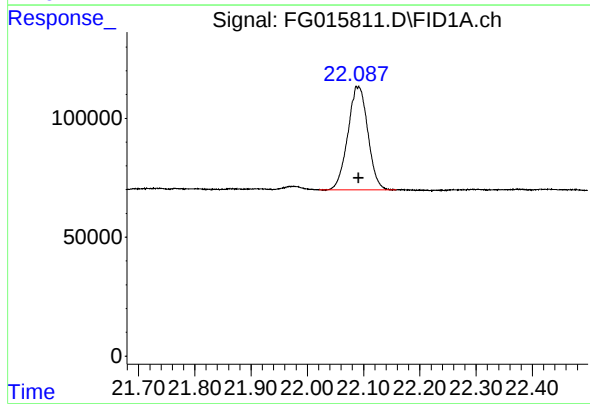
R.T.: 20.431 min
Delta R.T.: 0.000 min
Response: 1187406
Conc: 11.02 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.172 min
Delta R.T.: 0.000 min
Response: 1143762
Conc: 11.14 ug/ml

Instrument :
FID_G
ClientSampleId :
10 PPM ALIPHATIC HC STD4



#22 n-Tetracontane (C40)

R.T.: 22.091 min
Delta R.T.: 0.000 min
Response: 1073686
Conc: 10.87 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG051225AL\
Data File : FG015811.D
Signal(s) : FID1A.ch
Acq On : 12 May 2025 11:58
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 051225.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	3.242	3.215	3.302	BB	117080	1201212	74.94%	4.314%
2	4.501	4.466	4.562	BB	118043	1210017	75.49%	4.346%
3	6.214	6.184	6.324	BB	102004	1233022	76.93%	4.428%
4	6.680	6.647	6.740	BB	120140	1231371	76.82%	4.422%
5	7.317	7.288	7.425	BB	93066	1189879	74.24%	4.273%
6	8.517	8.488	8.583	BB	112300	1226578	76.53%	4.405%
7	10.131	10.089	10.201	BB	108618	1261485	78.70%	4.531%
8	11.580	11.538	11.635	BB	111639	1305400	81.44%	4.688%
9	11.895	11.851	11.957	BB	141252	1602836	100.00%	5.756%
10	12.894	12.851	12.941	BB	107781	1323436	82.57%	4.753%
11	13.341	13.305	13.395	BB	104032	1243902	77.61%	4.467%
12	13.508	13.472	13.558	BB	114194	1326101	82.73%	4.763%
13	14.096	14.060	14.145	BB	105755	1322212	82.49%	4.749%
14	15.203	15.164	15.253	BB	101710	1317600	82.20%	4.732%
15	16.226	16.182	16.284	BB	100262	1308211	81.62%	4.698%
16	17.180	17.131	17.226	BB	96163	1292913	80.66%	4.643%
17	18.071	18.022	18.119	BB	92660	1309744	81.71%	4.704%
18	18.904	18.850	18.953	BB	94303	1302970	81.29%	4.679%
19	19.689	19.640	19.726	BB	86073	1230523	76.77%	4.419%
20	20.431	20.390	20.470	BB	81056	1187406	74.08%	4.264%
21	21.172	21.120	21.233	BB	64849	1143762	71.36%	4.108%
22	22.091	22.021	22.158	BB	43530	1073686	66.99%	3.856%
Sum of corrected areas:							27844266	

Aliphatic EPH 051225.M Mon May 12 13:54:18 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG051225AL\
 Data File : FG015812.D
 Signal(s) : FID1A.ch
 Acq On : 12 May 2025 12:27
 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: May 12 12:44:15 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 051225.M
 Quant Title : GC Extractables
 QLast Update : Mon May 12 12:43:51 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)	11.894	727053	4.883 ug/ml
Spiked Amount 50.000		Recovery =	9.77%
12) S 1-chlorooctadecane (S...	13.340	563684	4.893 ug/ml
Spiked Amount 50.000		Recovery =	9.79%
Target Compounds			
1) T n-Nonane (C9)	3.243	536107	4.778 ug/ml
2) T n-Decane (C10)	4.500	537959	4.755 ug/ml
3) T A~Naphthalene (C11.7)	6.217	500900	4.284 ug/ml
4) T n-Dodecane (C12)	6.680	547840	4.754 ug/ml
5) T A~2-methylnaphthalene...	7.319	467175	4.090 ug/ml
6) T n-Tetradecane (C14)	8.516	547379	4.752 ug/ml
7) T n-Hexadecane (C16)	10.130	562402	4.755 ug/ml
8) T n-Octadecane (C18)	11.578	589123	4.846 ug/ml
10) T n-Eicosane (C20)	12.894	607268	4.955 ug/ml
11) T n-Heneicosane (C21)	13.507	609960	4.980 ug/ml
13) T n-Docosane (C22)	14.096	606356	4.977 ug/ml
14) T n-Tetracosane (C24)	15.202	606195	5.005 ug/ml
15) T n-Hexacosane (C26)	16.227	603362	5.040 ug/ml
16) T n-Octacosane (C28)	17.179	604215	5.124 ug/ml
17) T n-Tricontane (C30)	18.069	621666	5.232 ug/ml
18) T n-Dotriacontane (C32)	18.904	631069	5.343 ug/ml
19) T n-Tetratriacontane (C34)	19.688	581348	5.206 ug/ml
20) T n-Hexatriacontane (C36)	20.431	548987	5.077 ug/ml
21) T n-Octatriacontane (C38)	21.168	543362	5.231 ug/ml
22) T n-Tetracontane (C40)	22.090	573718	5.626 ug/ml

(f)=RT Delta > 1/2 Window

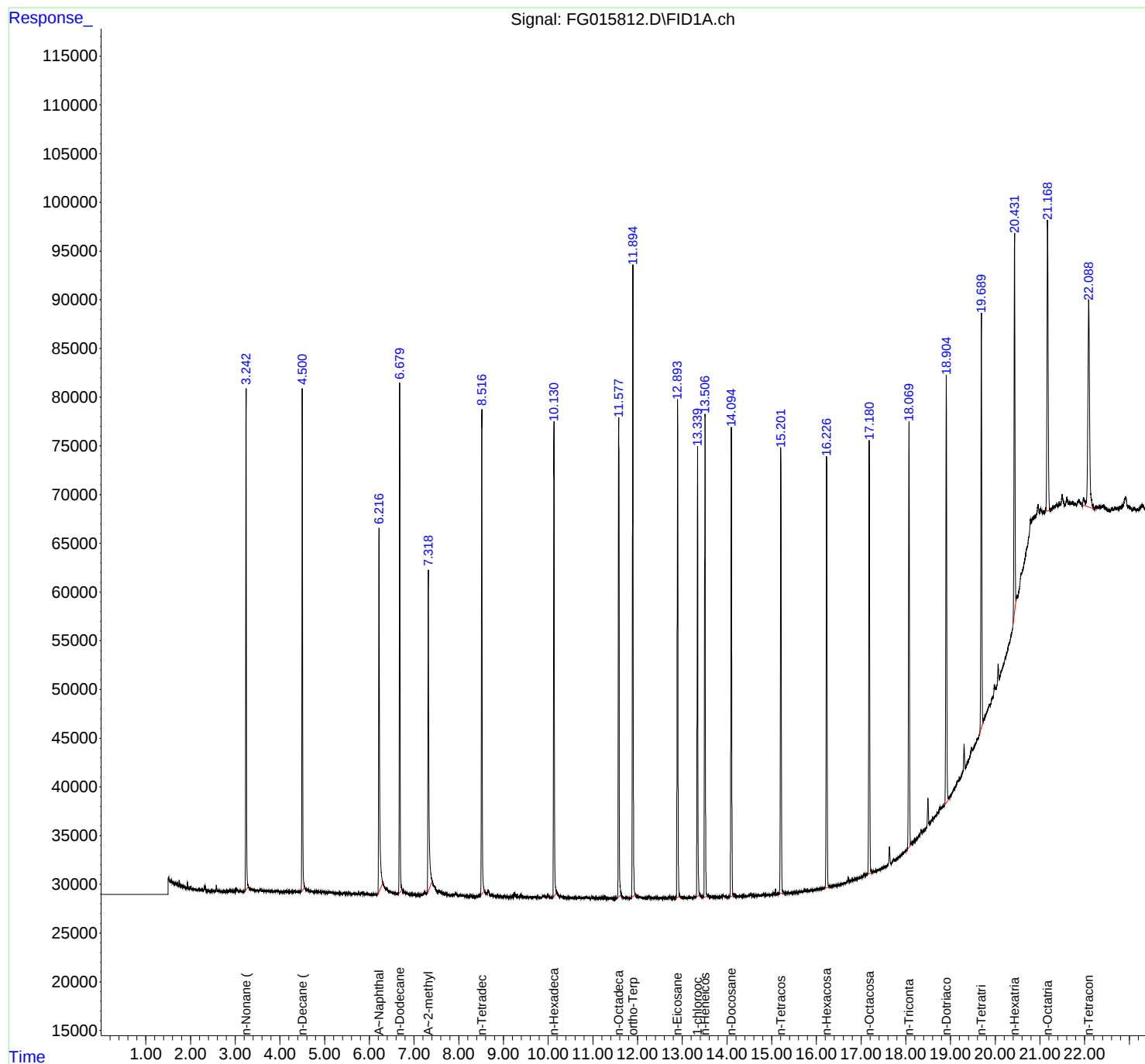
(m)=manual int.

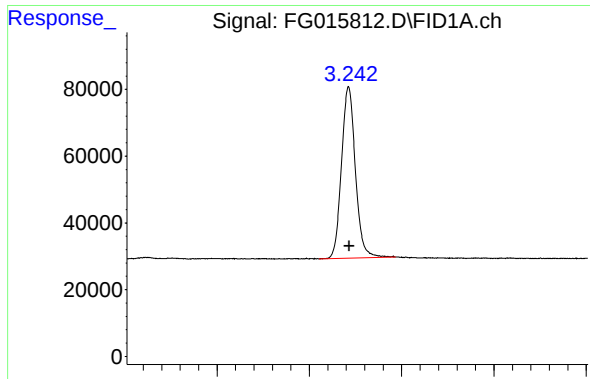
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG051225AL\
Data File : FG015812.D
Signal(s) : FID1A.ch
Acq On : 12 May 2025 12:27
Operator : YP\AJ
Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
5 PPM ALIPHATIC HC STD5

Integration File: autoint1.e
Quant Time: May 12 12:44:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 051225.M
Quant Title : GC Extractables
QLast Update : Mon May 12 12:43:51 2025
Response via : Initial Calibration
Integrator: ChemStation

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

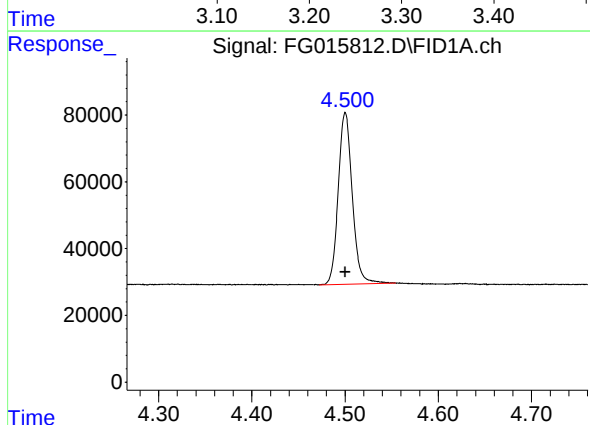




#1 n-Nonane (C9)

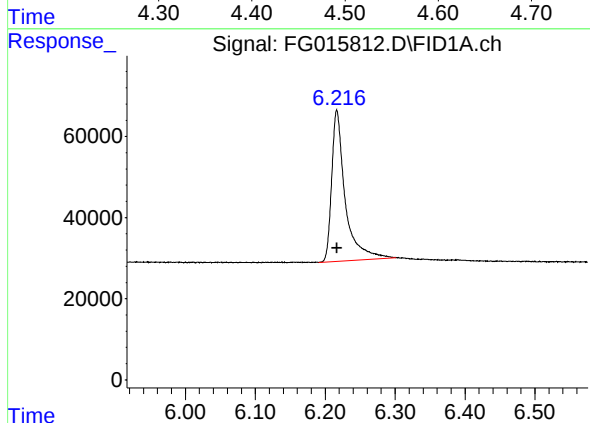
R.T.: 3.243 min
Delta R.T.: 0.000 min
Response: 536107
Conc: 4.78 ug/ml

Instrument :
FID_G
ClientSampleId :
5 PPM ALIPHATIC HC STD5



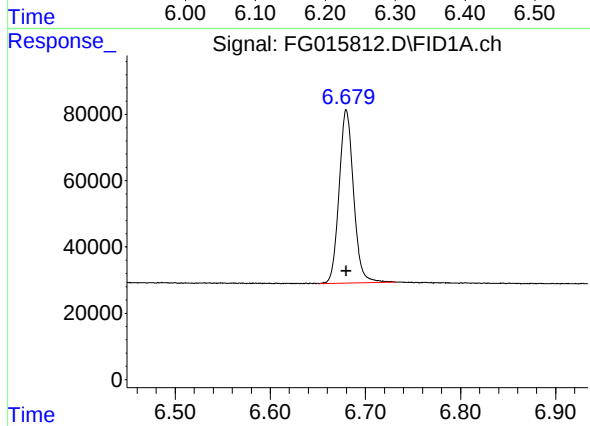
#2 n-Decane (C10)

R.T.: 4.500 min
Delta R.T.: 0.000 min
Response: 537959
Conc: 4.75 ug/ml



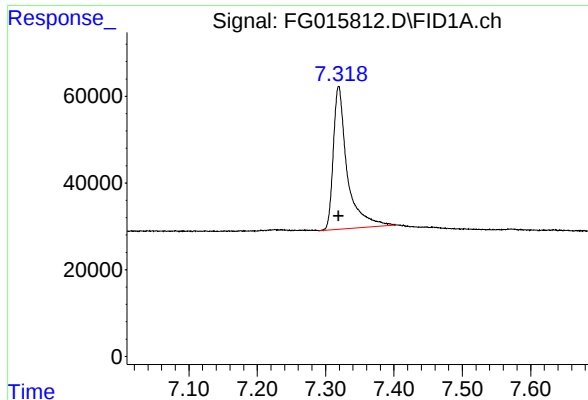
#3 A~Naphthalene (C11.7)

R.T.: 6.217 min
Delta R.T.: 0.000 min
Response: 500900
Conc: 4.28 ug/ml



#4 n-Dodecane (C12)

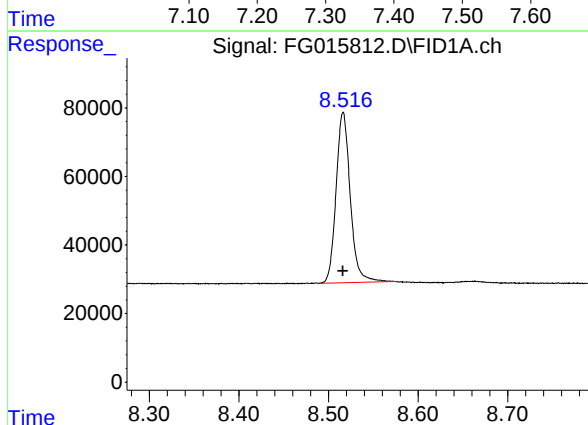
R.T.: 6.680 min
Delta R.T.: 0.000 min
Response: 547840
Conc: 4.75 ug/ml



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

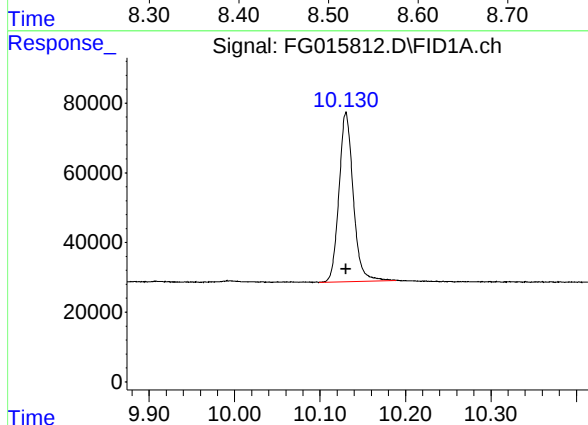
R.T.: 7.319 min
Delta R.T.: 0.000 min
Response: 467175
Conc: 4.09 ug/ml

Instrument :
FID_G
ClientSampleId :
5 PPM ALIPHATIC HC STD5



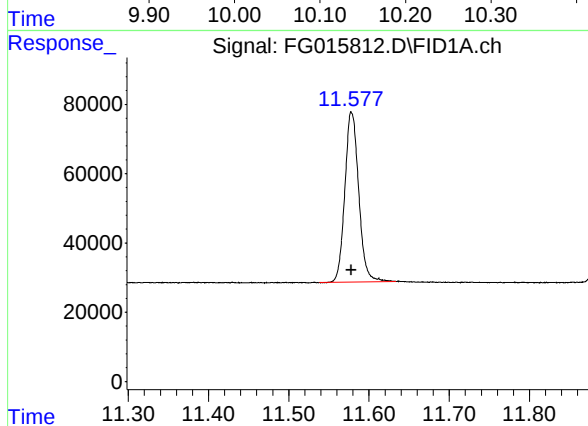
#6 n-Tetradecane (C14)

R.T.: 8.516 min
Delta R.T.: 0.000 min
Response: 547379
Conc: 4.75 ug/ml



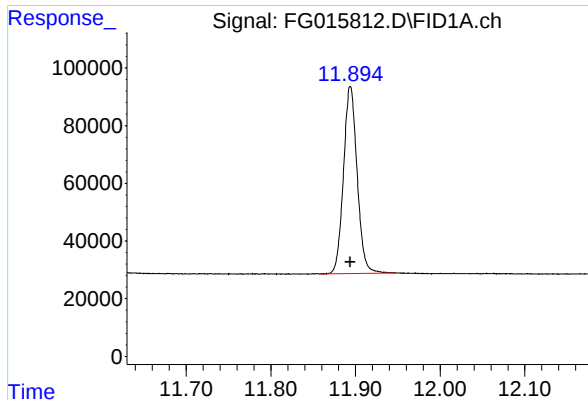
#7 n-Hexadecane (C16)

R.T.: 10.130 min
Delta R.T.: 0.000 min
Response: 562402
Conc: 4.76 ug/ml



#8 n-Octadecane (C18)

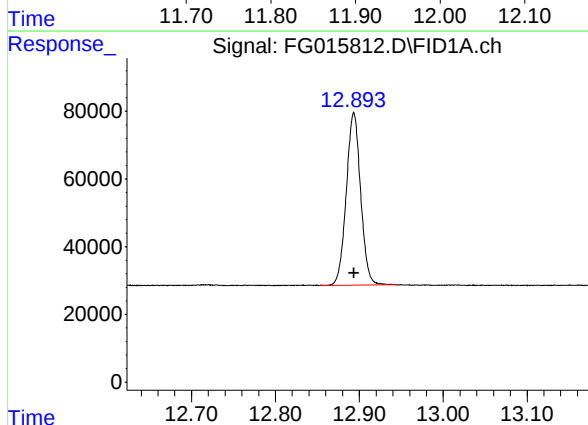
R.T.: 11.578 min
Delta R.T.: 0.000 min
Response: 589123
Conc: 4.85 ug/ml



#9 ortho-Terphenyl (SURR)

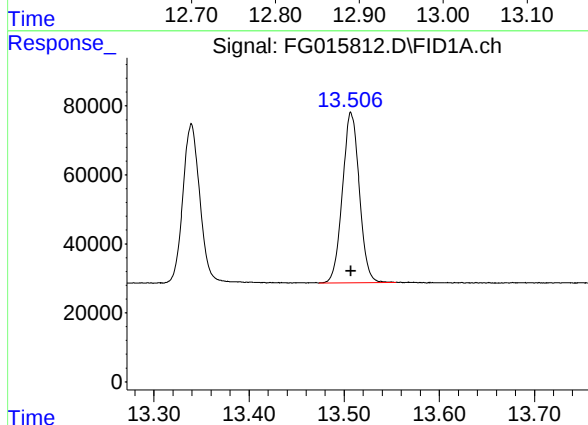
R.T.: 11.894 min
Delta R.T.: 0.000 min
Response: 727053
Conc: 4.88 ug/ml

Instrument :
FID_G
ClientSampleId :
5 PPM ALIPHATIC HC STD5



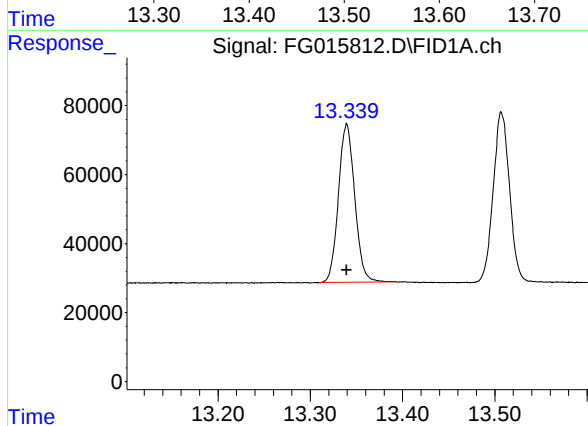
#10 n-Eicosane (C20)

R.T.: 12.894 min
Delta R.T.: 0.000 min
Response: 607268
Conc: 4.96 ug/ml



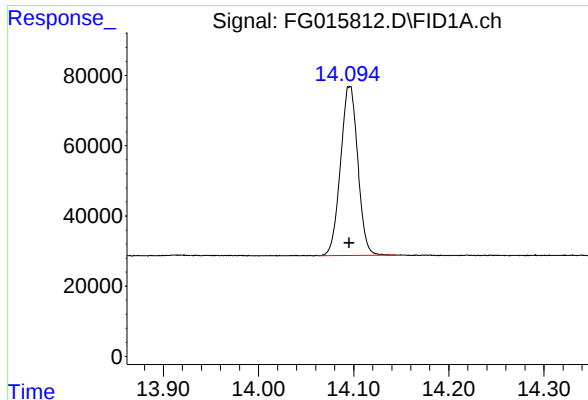
#11 n-Heneicosane (C21)

R.T.: 13.507 min
Delta R.T.: 0.000 min
Response: 609960
Conc: 4.98 ug/ml



#12 1-chlorooctadecane (SURR)

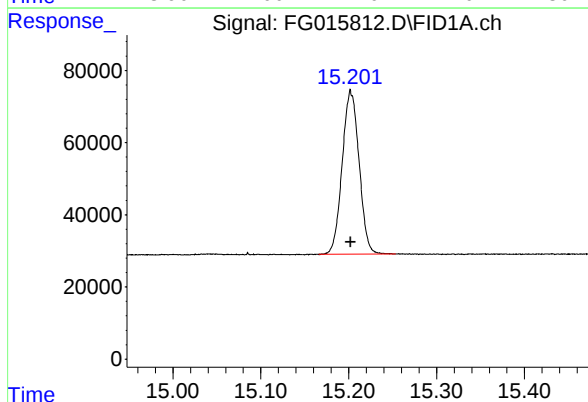
R.T.: 13.340 min
Delta R.T.: 0.000 min
Response: 563684
Conc: 4.89 ug/ml



#13 n-Docosane (C22)

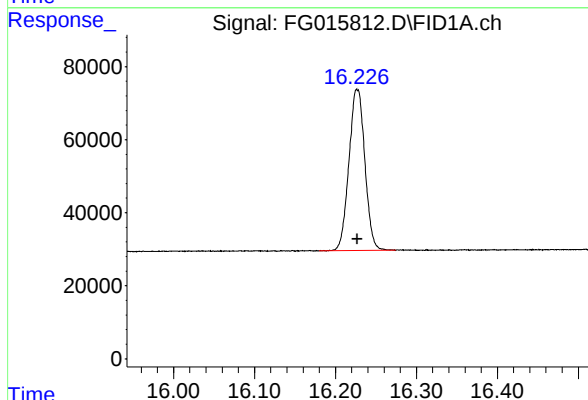
R.T.: 14.096 min
Delta R.T.: 0.000 min
Response: 606356
Conc: 4.98 ug/ml

Instrument :
FID_G
ClientSampleId :
5 PPM ALIPHATIC HC STD5



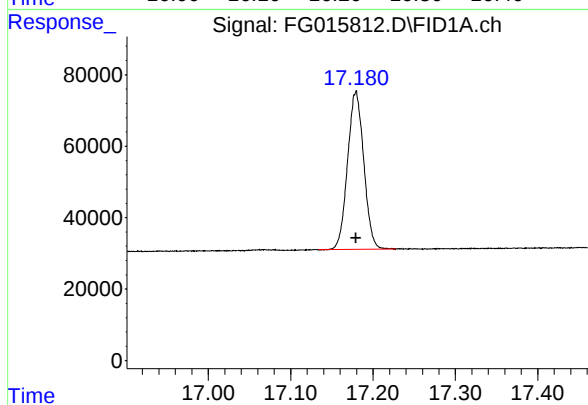
#14 n-Tetracosane (C24)

R.T.: 15.202 min
Delta R.T.: 0.000 min
Response: 606195
Conc: 5.00 ug/ml



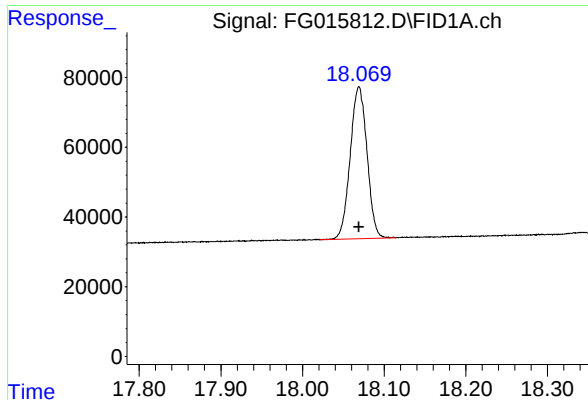
#15 n-Hexacosane (C26)

R.T.: 16.227 min
Delta R.T.: 0.000 min
Response: 603362
Conc: 5.04 ug/ml



#16 n-Octacosane (C28)

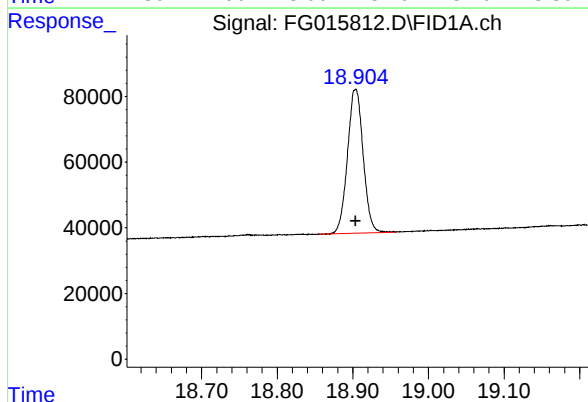
R.T.: 17.179 min
Delta R.T.: 0.000 min
Response: 604215
Conc: 5.12 ug/ml



#17 n-Tricontane (C30)

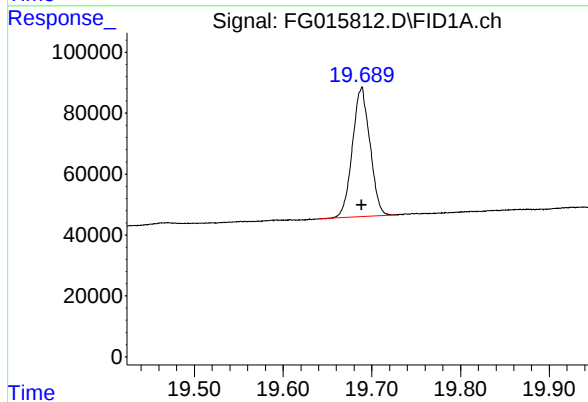
R.T.: 18.069 min
Delta R.T.: 0.000 min
Response: 621666
Conc: 5.23 ug/ml

Instrument :
FID_G
ClientSampleId :
5 PPM ALIPHATIC HC STD5



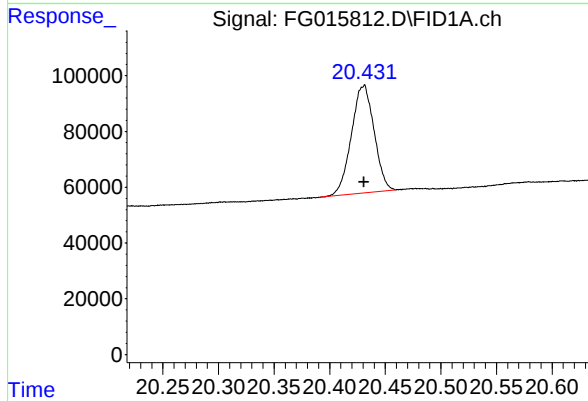
#18 n-Dotriacontane (C32)

R.T.: 18.904 min
Delta R.T.: 0.000 min
Response: 631069
Conc: 5.34 ug/ml



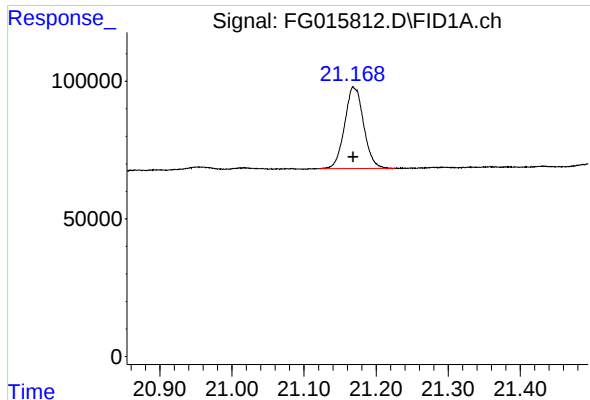
#19 n-Tetratriacontane (C34)

R.T.: 19.688 min
Delta R.T.: 0.000 min
Response: 581348
Conc: 5.21 ug/ml



#20 n-Hexatriacontane (C36)

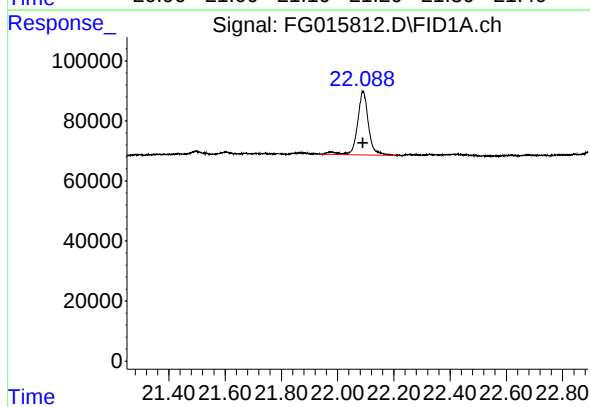
R.T.: 20.431 min
Delta R.T.: 0.000 min
Response: 548987
Conc: 5.08 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.168 min
Delta R.T.: 0.000 min
Response: 543362
Conc: 5.23 ug/ml

Instrument :
FID_G
ClientSampleId :
5 PPM ALIPHATIC HC STD5



#22 n-Tetracontane (C40)

R.T.: 22.090 min
Delta R.T.: 0.000 min
Response: 573718
Conc: 5.63 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG051225AL\
 Data File : FG015812.D
 Signal(s) : FID1A.ch
 Acq On : 12 May 2025 12:27
 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 051225.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	3.243	3.210	3.294	BB	51421	536107	73.74%	4.216%
2	4.500	4.472	4.555	BB	51433	537959	73.99%	4.230%
3	6.217	6.191	6.301	BB	37223	500900	68.89%	3.939%
4	6.680	6.651	6.732	BB	52241	547840	75.35%	4.308%
5	7.319	7.290	7.403	BB	32938	467175	64.26%	3.674%
6	8.516	8.489	8.575	BB	49691	547379	75.29%	4.304%
7	10.130	10.099	10.189	BB	48660	562402	77.35%	4.422%
8	11.578	11.538	11.634	BB	48791	589123	81.03%	4.633%
9	11.894	11.857	11.948	BB	64833	727053	100.00%	5.717%
10	12.894	12.852	12.944	BB	51025	607268	83.52%	4.775%
11	13.340	13.310	13.393	BB	46086	563684	77.53%	4.432%
12	13.507	13.474	13.555	BB	49429	609960	83.89%	4.796%
13	14.096	14.064	14.145	BB	47971	606356	83.40%	4.768%
14	15.202	15.166	15.254	BB	45386	606195	83.38%	4.767%
15	16.227	16.180	16.275	BB	43959	603362	82.99%	4.744%
16	17.179	17.134	17.228	BB	44349	604215	83.10%	4.751%
17	18.069	18.020	18.115	BB	43610	621666	85.50%	4.888%
18	18.904	18.855	18.957	BB	43758	631069	86.80%	4.962%
19	19.688	19.640	19.727	BB	42448	581348	79.96%	4.571%
20	20.431	20.390	20.460	BV	38210	548987	75.51%	4.317%
21	21.168	21.121	21.227	BB	29454	543362	74.73%	4.273%
22	22.090	21.934	22.207	BB	20923	573718	78.91%	4.511%
Sum of corrected areas:							12717128	

Aliphatic EPH 051225.M Mon May 12 13:54:35 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG051225AL\
 Data File : FG015813.D
 Signal(s) : FID1A.ch
 Acq On : 12 May 2025 12:56
 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: May 12 13:33:39 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 051225.M
 Quant Title : GC Extractables
 QLast Update : Mon May 12 12:44:43 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)	11.895	3059416	20.548 ug/ml
Spiked Amount 50.000		Recovery =	41.10%
12) S 1-chlorooctadecane (S...	13.340	2369854	20.572 ug/ml
Spiked Amount 50.000		Recovery =	41.14%
Target Compounds			
1) T n-Nonane (C9)	3.242	2310984	20.598 ug/ml
2) T n-Decane (C10)	4.501	2326906	20.566 ug/ml
3) T A~Naphthalene (C11.7)	6.214	2447205	20.932 ug/ml
4) T n-Dodecane (C12)	6.681	2372395	20.588 ug/ml
5) T A~2-methylnaphthalene...	7.316	2407866	21.081 ug/ml
6) T n-Tetradecane (C14)	8.517	2371992	20.593 ug/ml
7) T n-Hexadecane (C16)	10.131	2441866	20.647 ug/ml
8) T n-Octadecane (C18)	11.580	2505960	20.616 ug/ml
10) T n-Eicosane (C20)	12.894	2514844	20.520 ug/ml
11) T n-Heneicosane (C21)	13.508	2506872	20.466 ug/ml
13) T n-Docosane (C22)	14.097	2495966	20.486 ug/ml
14) T n-Tetracosane (C24)	15.203	2475703	20.439 ug/ml
15) T n-Hexacosane (C26)	16.228	2437848	20.365 ug/ml
16) T n-Octacosane (C28)	17.181	2386626	20.241 ug/ml
17) T n-Tricontane (C30)	18.070	2386236	20.082 ug/ml
18) T n-Dotriacontane (C32)	18.905	2372181	20.083 ug/ml
19) T n-Tetratriacontane (C34)	19.690	2251845	20.166 ug/ml
20) T n-Hexatriacontane (C36)	20.432	2198487	20.331 ug/ml
21) T n-Octatriacontane (C38)	21.173	2107171	20.285 ug/ml
22) T n-Tetracontane (C40)	22.089	2027880	19.886 ug/ml

(f)=RT Delta > 1/2 Window

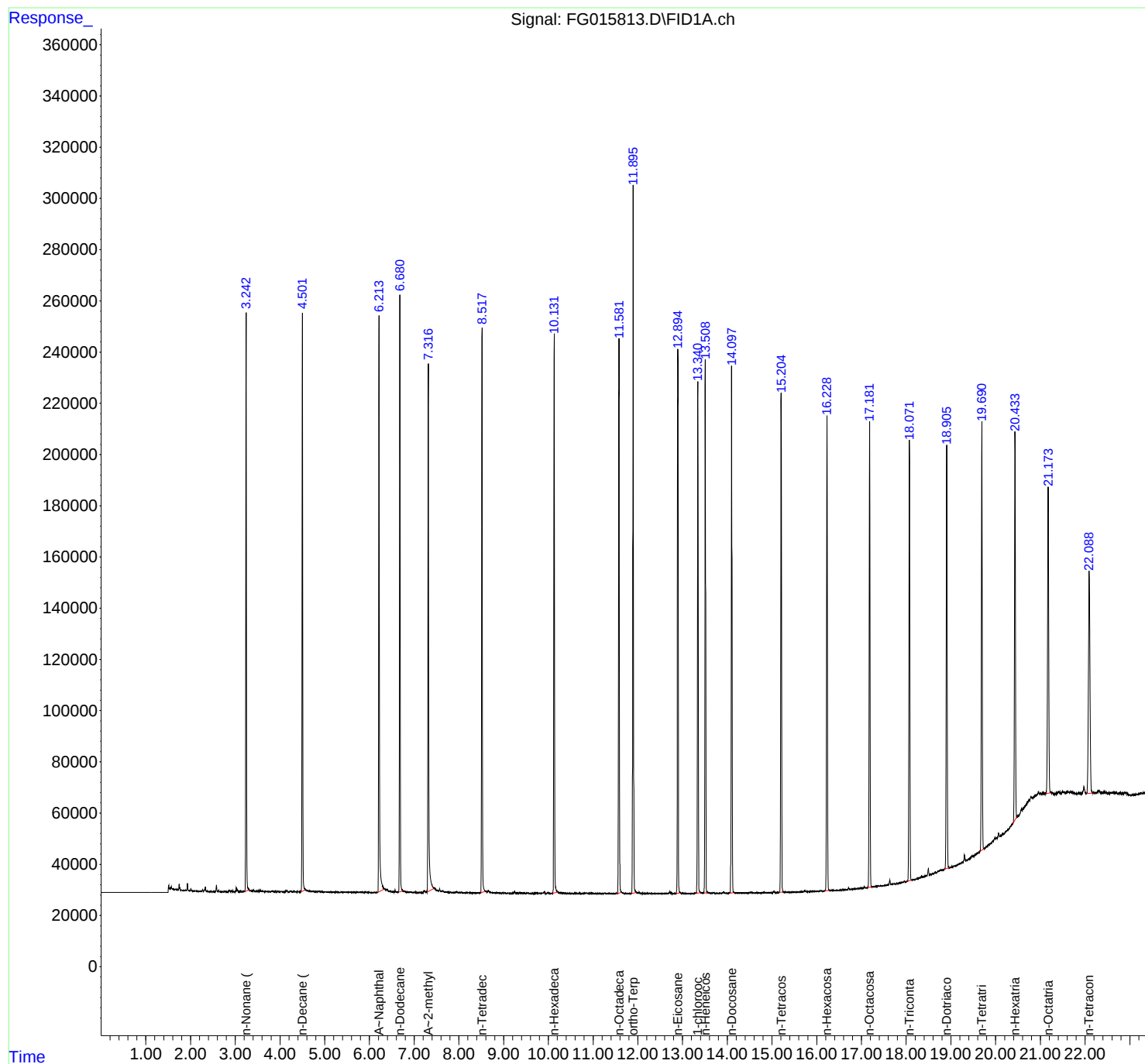
(m)=manual int.

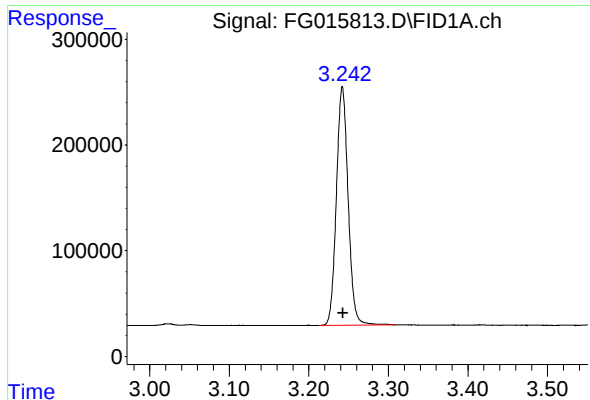
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG051225AL\
Data File : FG015813.D
Signal(s) : FID1A.ch
Acq On : 12 May 2025 12:56
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD ICV
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV

Integration File: autoint1.e
Quant Time: May 12 13:33:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 051225.M
Quant Title : GC Extractables
QLast Update : Mon May 12 12:44:43 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)

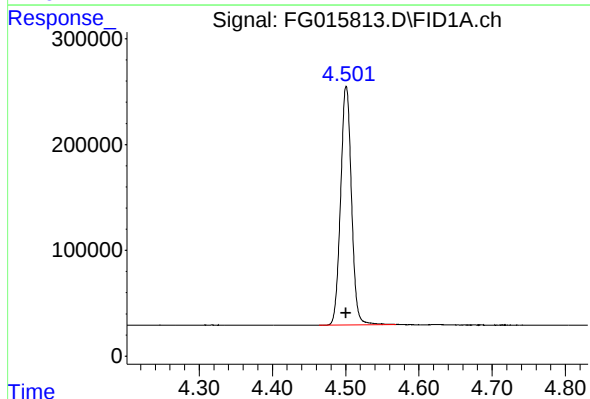
R.T.: 3.242 min
Delta R.T.: 0.000 min
Response: 2310984
Conc: 20.60 ug/ml

Instrument :

FID_G

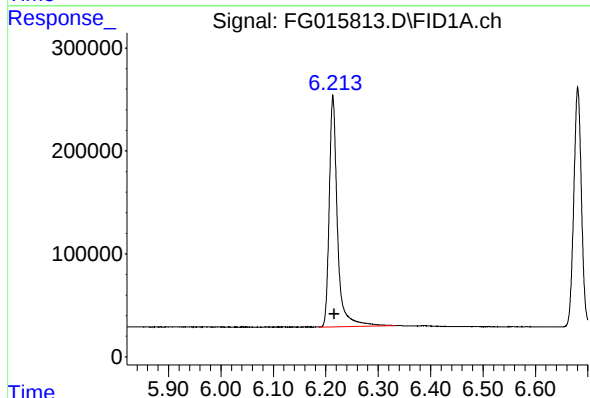
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



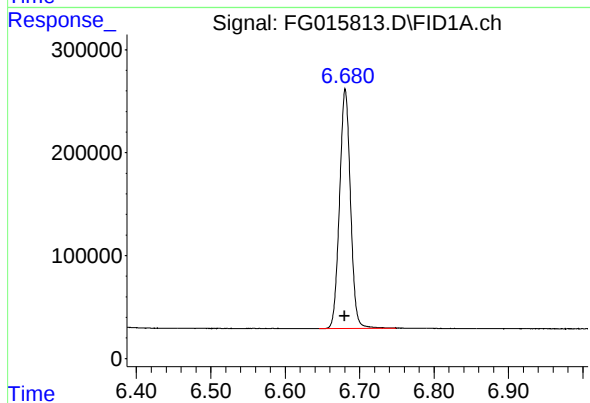
#2 n-Decane (C10)

R.T.: 4.501 min
Delta R.T.: 0.000 min
Response: 2326906
Conc: 20.57 ug/ml



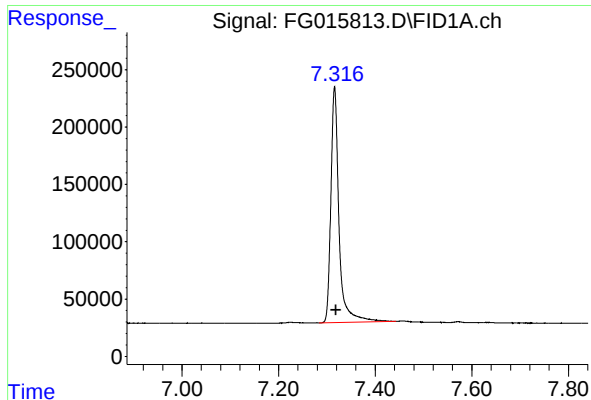
#3 A~Naphthalene (C11.7)

R.T.: 6.214 min
Delta R.T.: -0.003 min
Response: 2447205
Conc: 20.93 ug/ml



#4 n-Dodecane (C12)

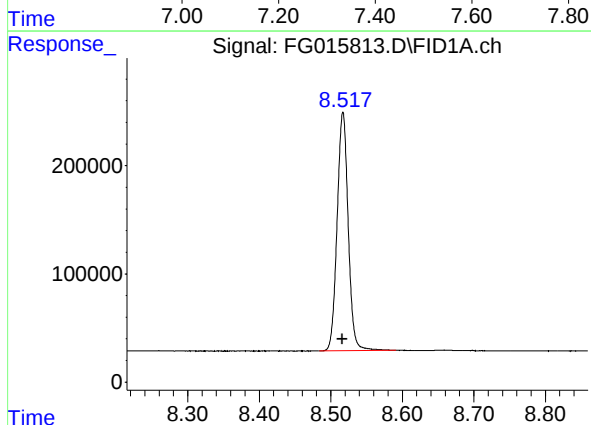
R.T.: 6.681 min
Delta R.T.: 0.000 min
Response: 2372395
Conc: 20.59 ug/ml



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

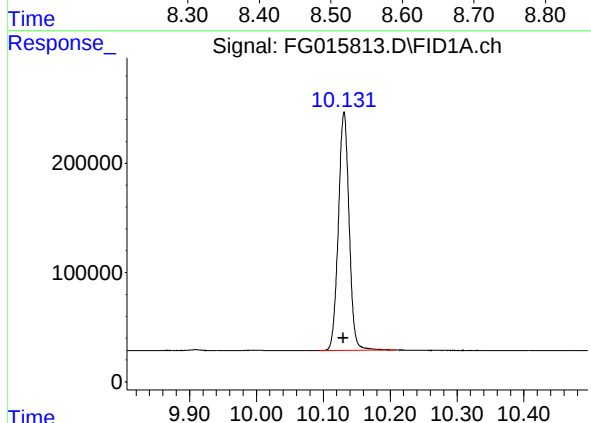
R.T.: 7.316 min
Delta R.T.: -0.003 min
Response: 2407866
Conc: 21.08 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



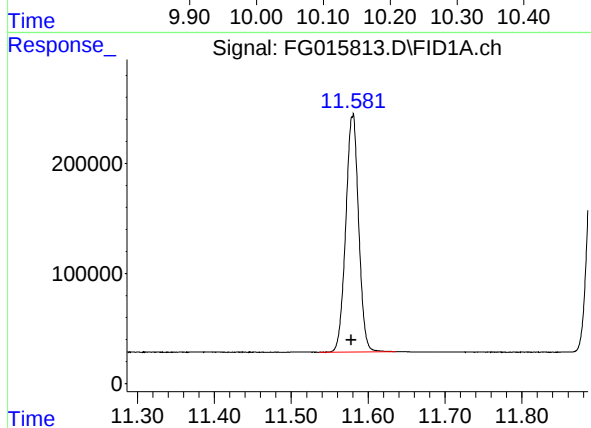
#6 n-Tetradecane (C14)

R.T.: 8.517 min
Delta R.T.: 0.000 min
Response: 2371992
Conc: 20.59 ug/ml



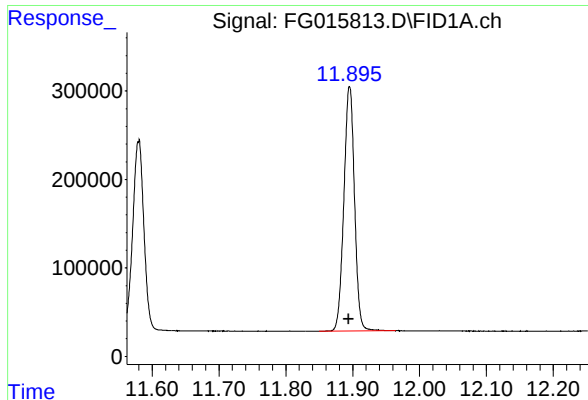
#7 n-Hexadecane (C16)

R.T.: 10.131 min
Delta R.T.: 0.000 min
Response: 2441866
Conc: 20.65 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.580 min
Delta R.T.: 0.002 min
Response: 2505960
Conc: 20.62 ug/ml



#9 ortho-Terphenyl (SURR)

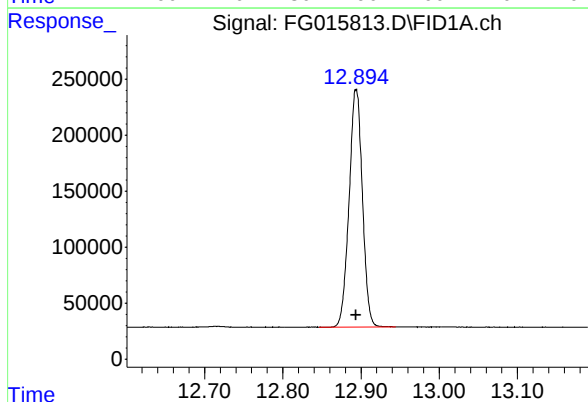
R.T.: 11.895 min
Delta R.T.: 0.001 min
Response: 3059416
Conc: 20.55 ug/ml

Instrument :

FID_G

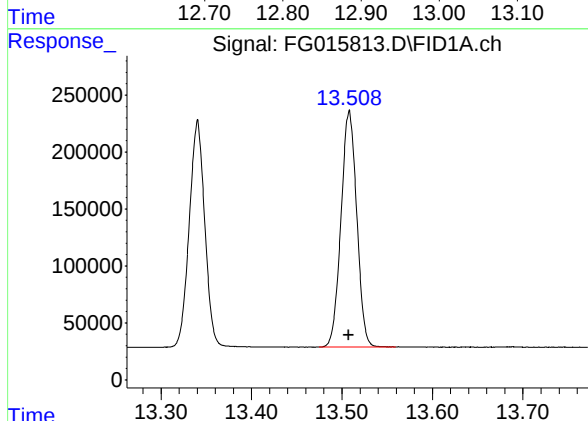
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



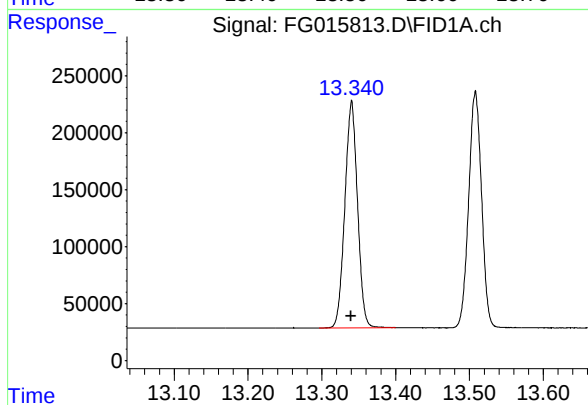
#10 n-Eicosane (C20)

R.T.: 12.894 min
Delta R.T.: 0.000 min
Response: 2514844
Conc: 20.52 ug/ml



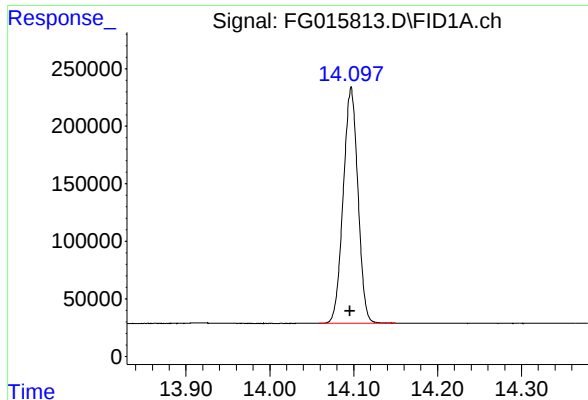
#11 n-Heneicosane (C21)

R.T.: 13.508 min
Delta R.T.: 0.000 min
Response: 2506872
Conc: 20.47 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.340 min
Delta R.T.: 0.000 min
Response: 2369854
Conc: 20.57 ug/ml



#13 n-Docosane (C22)

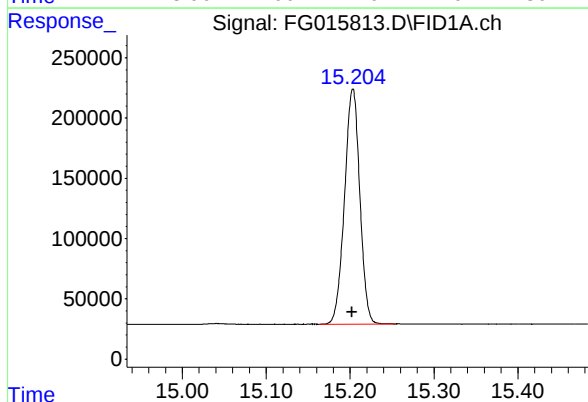
R.T.: 14.097 min
Delta R.T.: 0.001 min
Response: 2495966
Conc: 20.49 ug/ml

Instrument :

FID_G

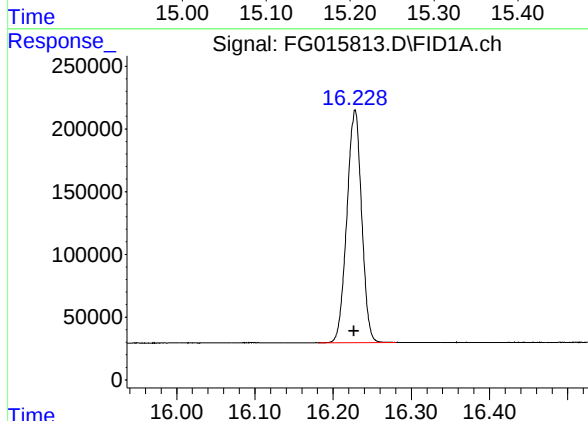
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



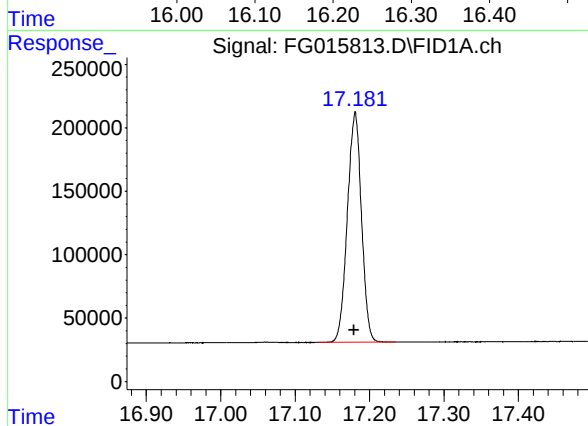
#14 n-Tetracosane (C24)

R.T.: 15.203 min
Delta R.T.: 0.001 min
Response: 2475703
Conc: 20.44 ug/ml



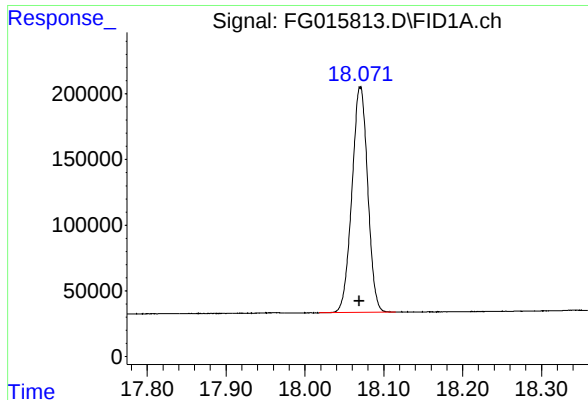
#15 n-Hexacosane (C26)

R.T.: 16.228 min
Delta R.T.: 0.001 min
Response: 2437848
Conc: 20.37 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.181 min
Delta R.T.: 0.002 min
Response: 2386626
Conc: 20.24 ug/ml



#17 n-Tricontane (C30)

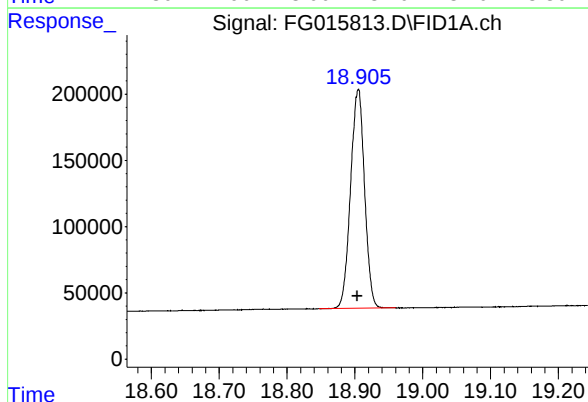
R.T.: 18.070 min
Delta R.T.: 0.001 min
Response: 2386236
Conc: 20.08 ug/ml

Instrument :

FID_G

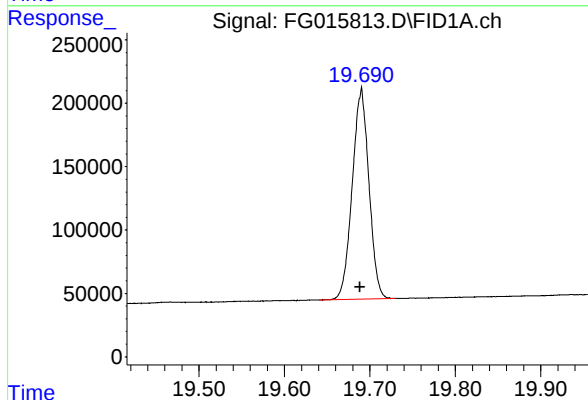
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



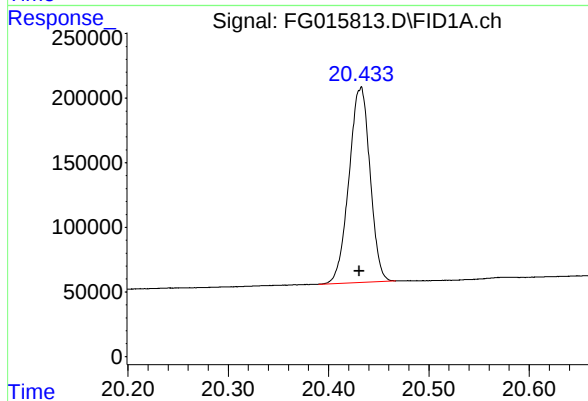
#18 n-Dotriacontane (C32)

R.T.: 18.905 min
Delta R.T.: 0.002 min
Response: 2372181
Conc: 20.08 ug/ml



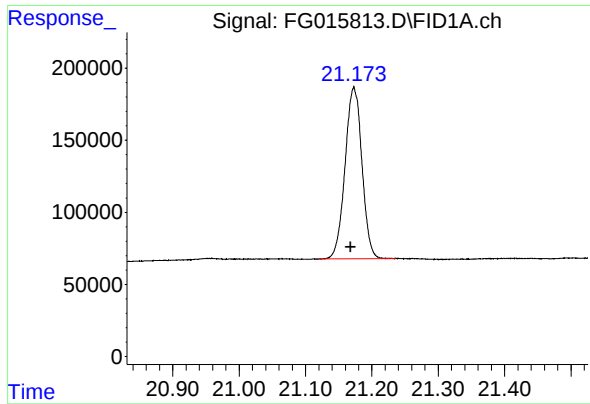
#19 n-Tetatriacontane (C34)

R.T.: 19.690 min
Delta R.T.: 0.002 min
Response: 2251845
Conc: 20.17 ug/ml



#20 n-Hexatriacontane (C36)

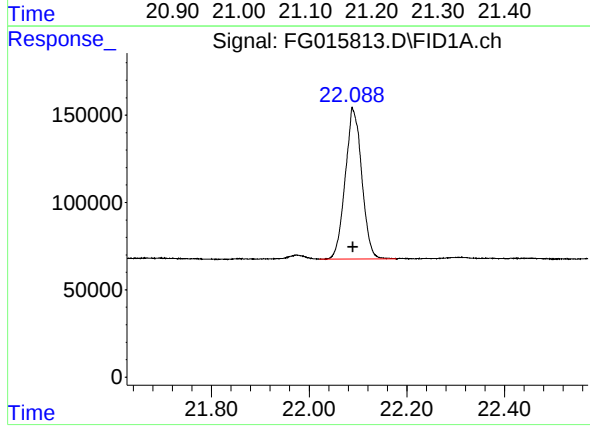
R.T.: 20.432 min
Delta R.T.: 0.001 min
Response: 2198487
Conc: 20.33 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.173 min
Delta R.T.: 0.004 min
Response: 2107171
Conc: 20.29 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



#22 n-Tetracontane (C40)

R.T.: 22.089 min
Delta R.T.: 0.000 min
Response: 2027880
Conc: 19.89 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG051225AL\
 Data File : FG015813.D
 Signal(s) : FID1A.ch
 Acq On : 12 May 2025 12:56
 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 051225.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	3.242	3.213	3.310	BB	225854	2310984	75.54%	4.379%
2	4.501	4.464	4.569	BB	225785	2326906	76.06%	4.409%
3	6.214	6.187	6.334	BB	224860	2447205	79.99%	4.637%
4	6.681	6.645	6.749	BB	232121	2372395	77.54%	4.495%
5	7.316	7.284	7.443	BB	206140	2407866	78.70%	4.562%
6	8.517	8.484	8.591	BB	220467	2371992	77.53%	4.494%
7	10.131	10.094	10.209	BB	218349	2441866	79.81%	4.627%
8	11.580	11.536	11.636	BB	214505	2505960	81.91%	4.748%
9	11.895	11.850	11.965	BB	276218	3059416	100.00%	5.797%
10	12.894	12.846	12.945	BB	211352	2514844	82.20%	4.765%
11	13.340	13.296	13.400	BB	199833	2369854	77.46%	4.490%
12	13.508	13.475	13.560	BB	207575	2506872	81.94%	4.750%
13	14.097	14.059	14.150	BB	205813	2495966	81.58%	4.729%
14	15.203	15.163	15.255	BB	194987	2475703	80.92%	4.691%
15	16.228	16.182	16.280	BB	185634	2437848	79.68%	4.619%
16	17.181	17.132	17.235	BB	181989	2386626	78.01%	4.522%
17	18.070	18.018	18.115	BB	170663	2386236	78.00%	4.521%
18	18.905	18.847	18.960	BB	165325	2372181	77.54%	4.495%
19	19.690	19.640	19.730	BB	167650	2251845	73.60%	4.267%
20	20.432	20.390	20.467	BB	150105	2198487	71.86%	4.166%
21	21.173	21.120	21.236	BB	119331	2107171	68.87%	3.993%
22	22.089	22.020	22.178	BB	86450	2027880	66.28%	3.842%
Sum of corrected areas:							52776101	

Aliphatic EPH 051225.M Mon May 12 13:52:16 2025