

Initial Calibration Report for SequenceID : FC040925AL

AreaCount

Parameter Range	FC068515.D	FC068516.D	FC068517.D	FC068518.D	FC068519.D	
Aliphatic C9-C12	28917690.000	15222657.000	6286032.000	3422392.000	1645296.000	
Aliphatic C12-C16	18431489.000	9897338.000	4088590.000	2253140.000	1056103.000	
Aliphatic C16-C21	26693561.000	14380121.000	5937795.000	3290227.000	1508988.000	
Aliphatic C21-C28	34681529.000	18246305.000	7529133.000	4137443.000	1908822.000	
Aliphatic C28-C40	51686216.000	25852842.000	10689091.000	5728785.000	2776165.000	
Aliphatic EPH	160410485.000	83599263.000	34530641.000	18831987.000	8895374.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aliphatic C9-C12	105282.0026666	6.555				
Aliphatic C12-C16	102322.575	7.446				
Aliphatic C16-C21	98816.5386664	7.616				
Aliphatic C21-C28	94185.337	6.542				
Aliphatic C28-C40	89882.8349998	4.545				
Aliphatic EPH	96276.6184442	6.125				

Concentration

Parameter Range	FC068515.D	FC068516.D	FC068517.D	FC068518.D	FC068519.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	FC068515.D	FC068516.D	FC068517.D	FC068518.D	FC068519.D	
Aliphatic C9-C12	96392.300000	101484.380000	104767.200000	114079.733333	109686.400000	
Aliphatic C12-C16	92157.445000	98973.380000	102214.750000	112657.000000	105610.300000	
Aliphatic C16-C21	88978.536666	95867.473333	98963.250000	109674.233333	100599.200000	

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Aliphatic C21-C28	86703.822500	91231.525000	94114.162500	103436.075000	95441.100000	
Aliphatic C28-C40	86143.693333	86176.140000	89075.758333	95479.750000	92538.833333	
Aliphatic EPH	89116.936111	92888.070000	95918.447222	104622.150000	98837.488888	

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040925AL\
 Data File : FC068515.D
 Signal(s) : FID1A.ch
 Acq On : 08 Apr 2025 14:19
 Operator : YP/AJ
 Sample : 100 PPM ALIPHATIC HC STD1
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 100 PPM ALIPHATIC HC STD1

Integration File: autoint1.e
 Quant Time: Apr 08 16:11:35 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040925.M
 Quant Title : GC Extractables
 QLast Update : Tue Apr 08 16:09:32 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)	11.728	11630513	95.399 ug/ml
Spiked Amount 50.000		Recovery =	190.80%
12) S 1-chlorooctadecane (S...	13.158	8442696	95.111 ug/ml
Spiked Amount 50.000		Recovery =	190.22%
Target Compounds			
1) T n-Nonane (C9)	3.453	9676433	96.008 ug/ml
2) T n-Decane (C10)	4.529	9659989	95.940 ug/ml
3) T A~Naphthalene (C11.7)	6.128	10706854	96.012 ug/ml
4) T n-Dodecane (C12)	6.555	9581268	95.561 ug/ml
5) T A~2-methylnaphthalene...	7.187	10590076	95.557 ug/ml
6) T n-Tetradecane (C14)	8.352	9286080	95.024 ug/ml
7) T n-Hexadecane (C16)	9.956	9145409	94.626 ug/ml
8) T n-Octadecane (C18)	11.401	9035245	94.602 ug/ml
10) T n-Eicosane (C20)	12.711	8860913	94.629 ug/ml
11) T n-Heneicosane (C21)	13.324	8797403	94.833 ug/ml
13) T n-Docosane (C22)	13.911	8749331	94.989 ug/ml
14) T n-Tetracosane (C24)	15.015	8697977	95.532 ug/ml
15) T n-Hexacosane (C26)	16.037	8653533	96.207 ug/ml
16) T n-Octacosane (C28)	16.989	8580688	96.922 ug/ml
17) T n-Tricontane (C30)	17.879	8693384	97.557 ug/ml
18) T n-Dotriacontane (C32)	18.714	8726742	98.108 ug/ml
19) T n-Tetratriacontane (C34)	19.499	8562598	98.394 ug/ml
20) T n-Hexatriacontane (C36)	20.240	8639575	98.692 ug/ml
21) T n-Octatriacontane (C38)	21.019	8521663	98.543 ug/ml
22) T n-Tetracontane (C40)	22.004	8542254	98.690 ug/ml

(f)=RT Delta > 1/2 Window

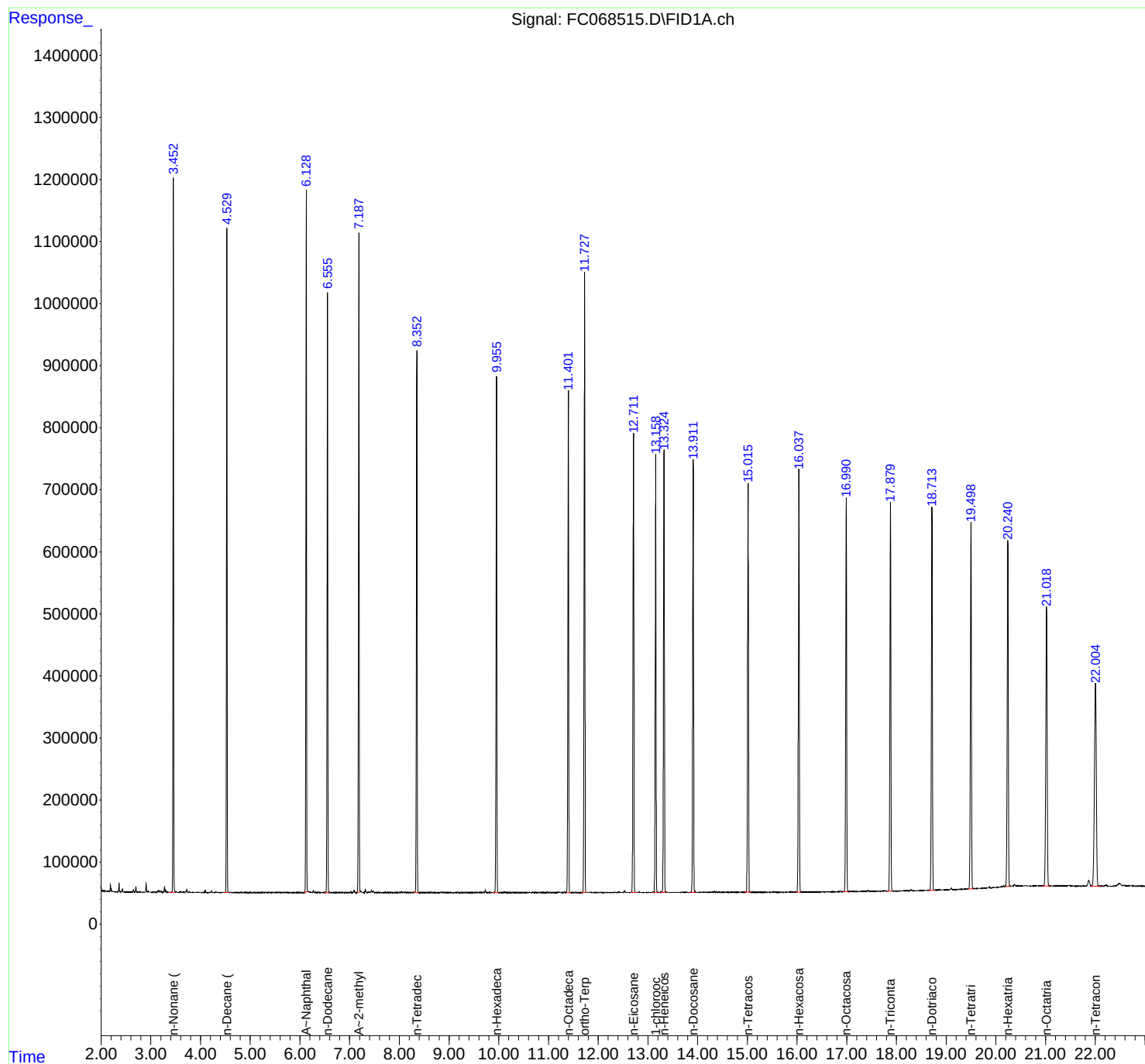
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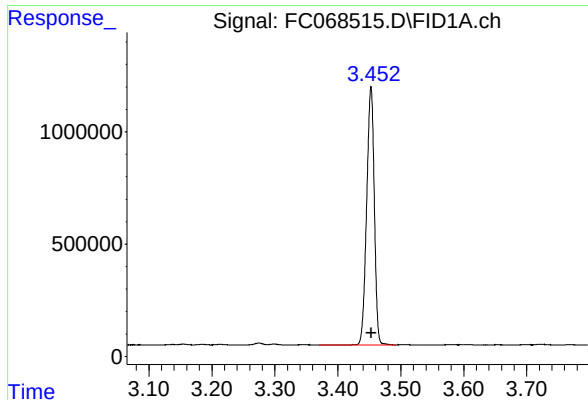
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Data File : FC068515.D
Signal(s) : FID1A.ch
Acq On : 08 Apr 2025 14:19
Operator : YP/AJ
Sample : 100 PPM ALIPHATIC HC STD1
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1

Integration File: autoint1.e
Quant Time: Apr 08 16:11:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040925.M
Quant Title : GC Extractables
QLast Update : Tue Apr 08 16:09:32 2025
Response via : Initial Calibration
Integrator: ChemStation

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

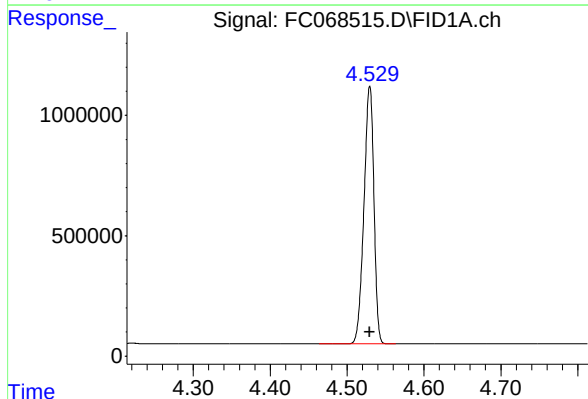




#1 n-Nonane (C9)

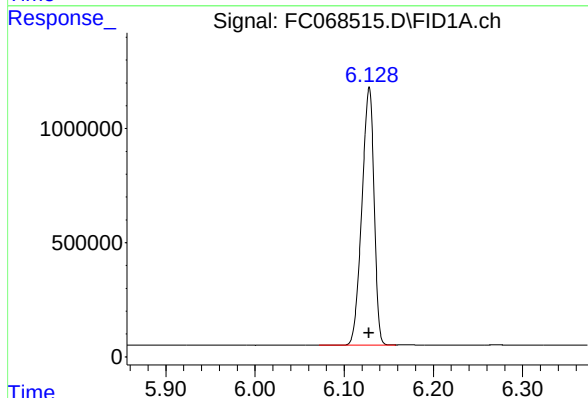
R.T.: 3.453 min
Delta R.T.: 0.000 min
Response: 9676433
Conc: 96.01 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



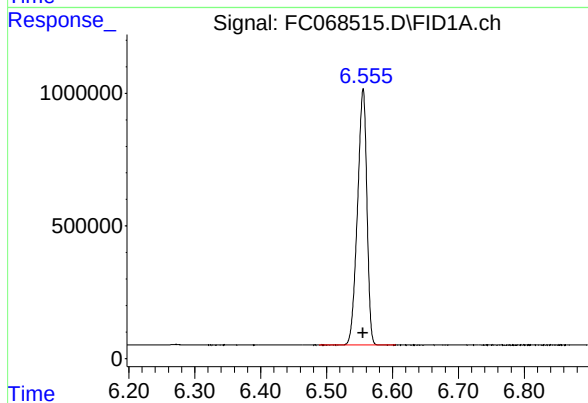
#2 n-Decane (C10)

R.T.: 4.529 min
Delta R.T.: 0.000 min
Response: 9659989
Conc: 95.94 ug/ml



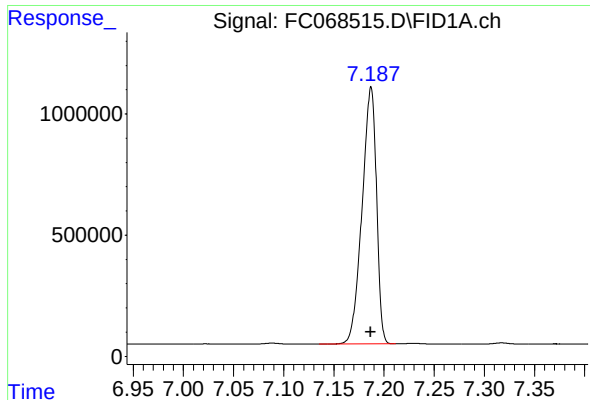
#3 A~Naphthalene (C11.7)

R.T.: 6.128 min
Delta R.T.: 0.000 min
Response: 10706854
Conc: 96.01 ug/ml



#4 n-Dodecane (C12)

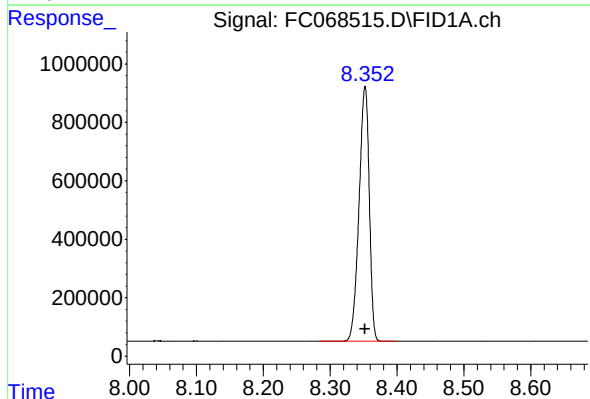
R.T.: 6.555 min
Delta R.T.: 0.000 min
Response: 9581268
Conc: 95.56 ug/ml



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

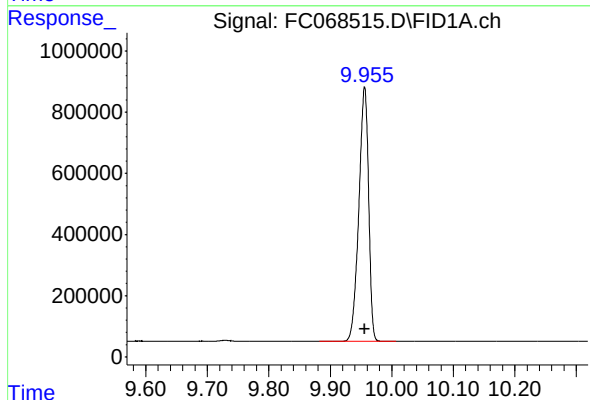
R.T.: 7.187 min
Delta R.T.: 0.000 min
Response: 10590076
Conc: 95.56 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



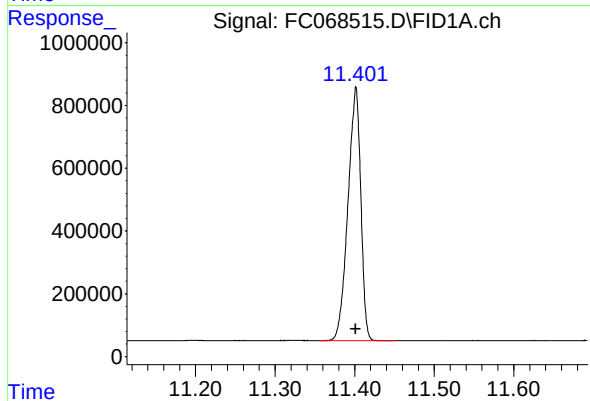
#6 n-Tetradecane (C14)

R.T.: 8.352 min
Delta R.T.: 0.000 min
Response: 9286080
Conc: 95.02 ug/ml



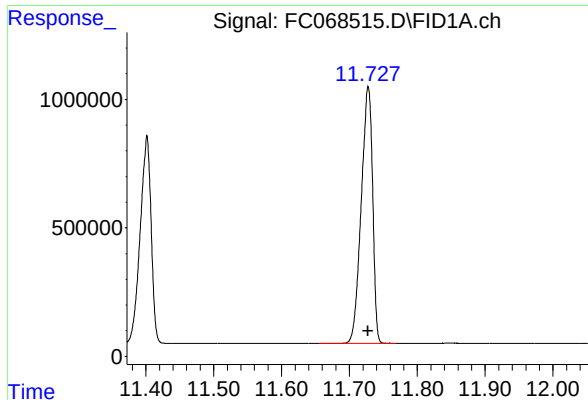
#7 n-Hexadecane (C16)

R.T.: 9.956 min
Delta R.T.: 0.000 min
Response: 9145409
Conc: 94.63 ug/ml



#8 n-Octadecane (C18)

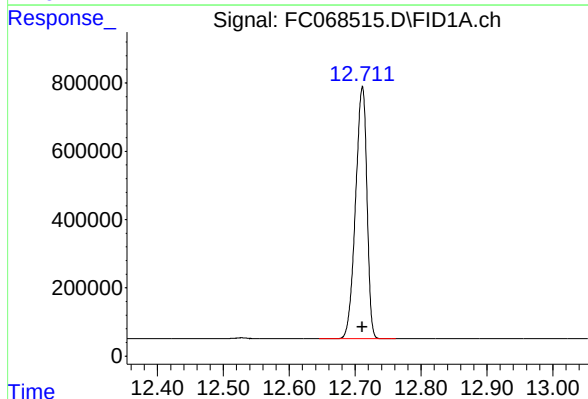
R.T.: 11.401 min
Delta R.T.: 0.000 min
Response: 9035245
Conc: 94.60 ug/ml



#9 ortho-Terphenyl (SURR)

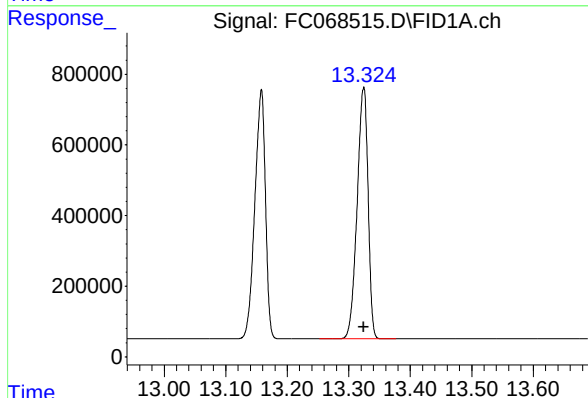
R.T.: 11.728 min
Delta R.T.: 0.000 min
Response: 11630513
Conc: 95.40 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



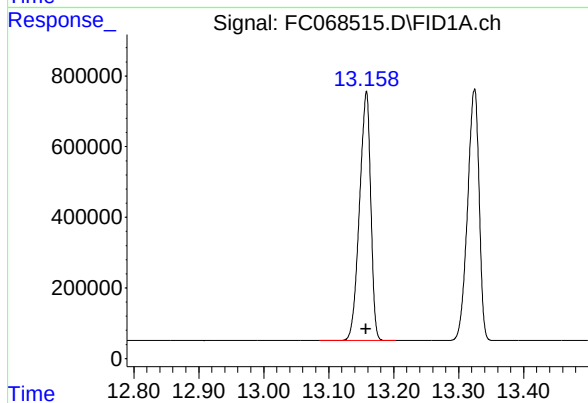
#10 n-Eicosane (C20)

R.T.: 12.711 min
Delta R.T.: 0.000 min
Response: 8860913
Conc: 94.63 ug/ml



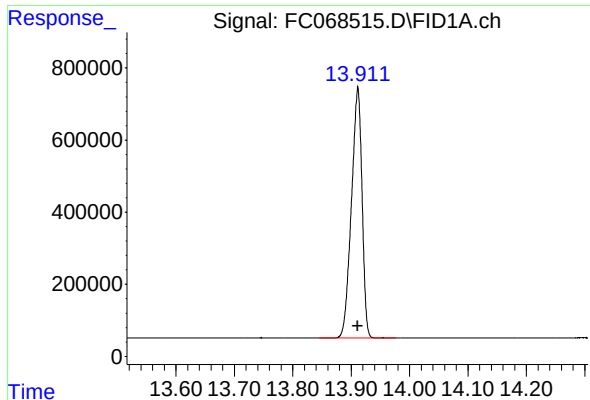
#11 n-Heneicosane (C21)

R.T.: 13.324 min
Delta R.T.: 0.000 min
Response: 8797403
Conc: 94.83 ug/ml



#12 1-chlorooctadecane (SURR)

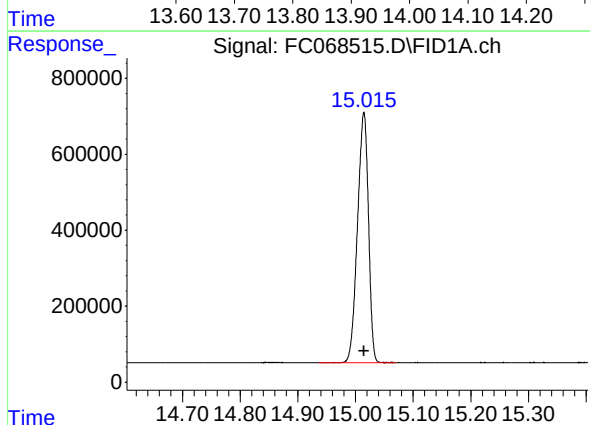
R.T.: 13.158 min
Delta R.T.: 0.000 min
Response: 8442696
Conc: 95.11 ug/ml



#13 n-Docosane (C22)

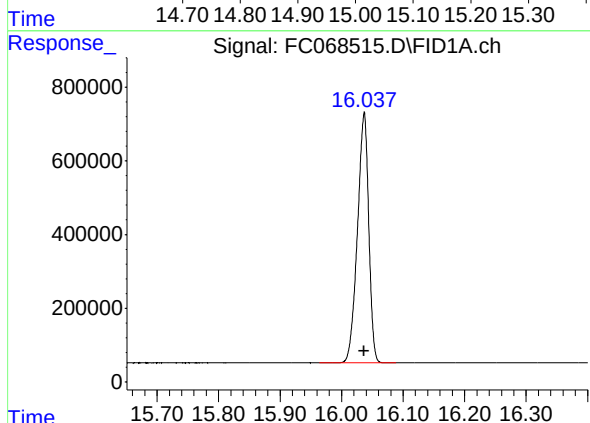
R.T.: 13.911 min
Delta R.T.: 0.000 min
Response: 8749331
Conc: 94.99 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



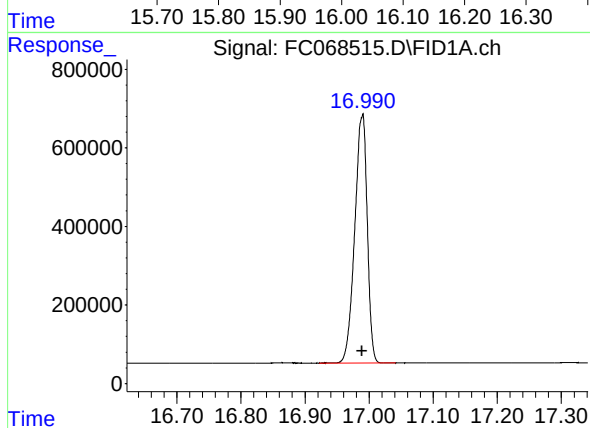
#14 n-Tetracosane (C24)

R.T.: 15.015 min
Delta R.T.: 0.000 min
Response: 8697977
Conc: 95.53 ug/ml



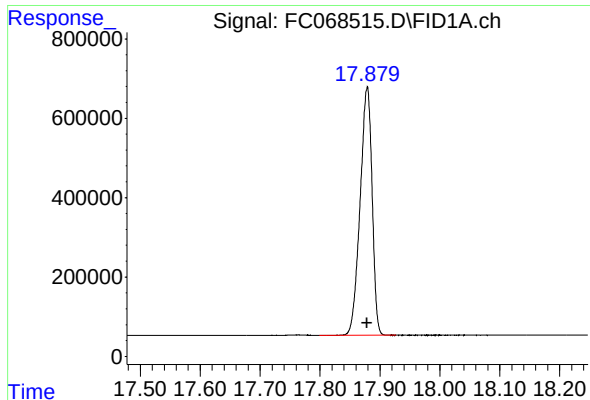
#15 n-Hexacosane (C26)

R.T.: 16.037 min
Delta R.T.: 0.000 min
Response: 8653533
Conc: 96.21 ug/ml



#16 n-Octacosane (C28)

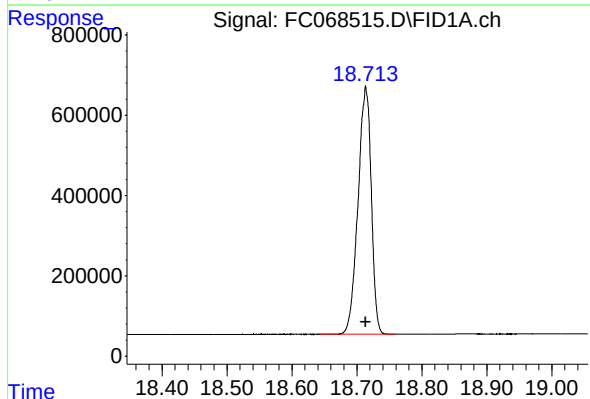
R.T.: 16.989 min
Delta R.T.: 0.000 min
Response: 8580688
Conc: 96.92 ug/ml



#17 n-Tricontane (C30)

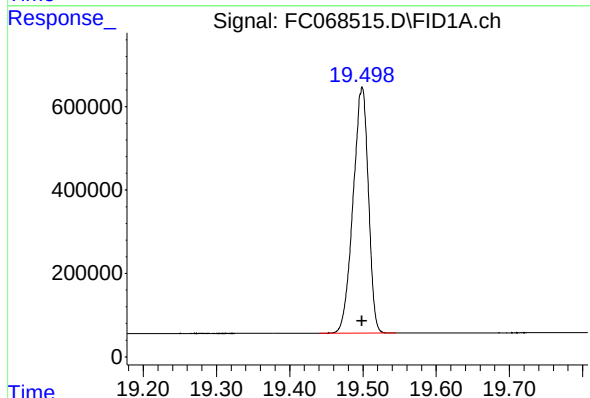
R.T.: 17.879 min
Delta R.T.: 0.000 min
Response: 8693384
Conc: 97.56 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



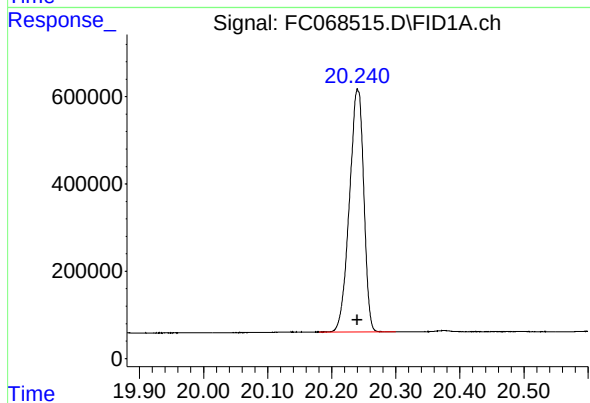
#18 n-Dotriacontane (C32)

R.T.: 18.714 min
Delta R.T.: 0.000 min
Response: 8726742
Conc: 98.11 ug/ml



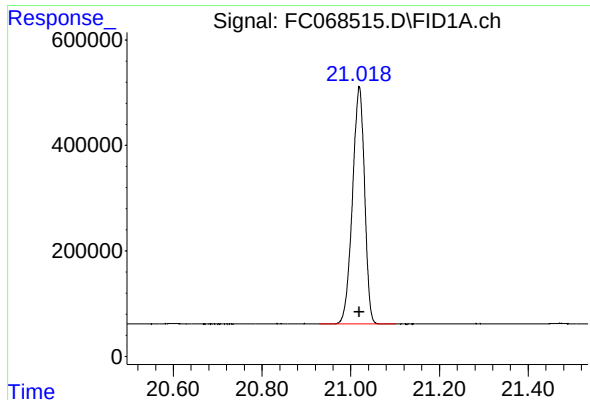
#19 n-Tetratriacontane (C34)

R.T.: 19.499 min
Delta R.T.: 0.000 min
Response: 8562598
Conc: 98.39 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.240 min
Delta R.T.: 0.000 min
Response: 8639575
Conc: 98.69 ug/ml



#21 n-Octatriacontane (C38)

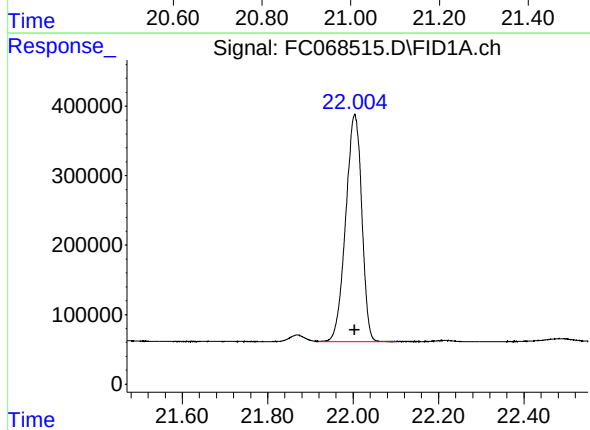
R.T.: 21.019 min
Delta R.T.: 0.000 min
Response: 8521663
Conc: 98.54 ug/ml

Instrument :

FID_C

ClientSampleId :

100 PPM ALIPHATIC HC STD1



#22 n-Tetracontane (C40)

R.T.: 22.004 min
Delta R.T.: 0.000 min
Response: 8542254
Conc: 98.69 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040925AL\
Data File : FC068515.D
Signal(s) : FID1A.ch
Acq On : 08 Apr 2025 14:19
Sample : 100 PPM ALIPHATIC HC STD1
Misc :
ALS Vial : 11 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040925.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	3.453	3.370	3.492	BV	1145582	9676433	83.20%	4.796%
2	4.529	4.463	4.563	BB	1078376	9659989	83.06%	4.787%
3	6.128	6.072	6.158	BV	1138205	10706854	92.06%	5.306%
4	6.555	6.488	6.605	BB	967686	9581268	82.38%	4.748%
5	7.187	7.135	7.212	BV	1064531	10590076	91.05%	5.248%
6	8.352	8.283	8.398	BB	872245	9286080	79.84%	4.602%
7	9.956	9.882	10.007	BB	832904	9145409	78.63%	4.532%
8	11.401	11.355	11.452	BB	815335	9035245	77.69%	4.478%
9	11.728	11.655	11.768	BB	999215	11630513	100.00%	5.764%
10	12.711	12.645	12.762	BB	736232	8860913	76.19%	4.391%
11	13.158	13.085	13.203	BB	702214	8442696	72.59%	4.184%
12	13.324	13.252	13.377	BB	710181	8797403	75.64%	4.360%
13	13.911	13.845	13.977	BB	699886	8749331	75.23%	4.336%
14	15.015	14.937	15.070	BB	660889	8697977	74.79%	4.311%
15	16.037	15.990	16.088	BB	681330	8649133	74.37%	4.286%
16	16.989	16.922	17.042	BB	627588	8580688	73.78%	4.253%
17	17.879	17.798	17.927	BB	624317	8693384	74.75%	4.308%
18	18.714	18.642	18.760	BB	617422	8726742	75.03%	4.325%
19	19.499	19.440	19.545	BB	589437	8562598	73.62%	4.244%
20	20.240	20.180	20.300	BB	556281	8639575	74.28%	4.282%
21	21.019	20.928	21.102	BB	451075	8521663	73.27%	4.223%
22	22.004	21.920	22.100	VB	327316	8542254	73.45%	4.234%

Sum of corrected areas: 201776225

Aliphatic EPH 040925.M Wed Apr 09 02:01:57 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040925AL\
 Data File : FC068516.D
 Signal(s) : FID1A.ch
 Acq On : 08 Apr 2025 14:56
 Operator : YP/AJ
 Sample : 50 PPM ALIPHATIC HC STD2
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 50 PPM ALIPHATIC HC STD2

Integration File: autoint1.e
 Quant Time: Apr 08 16:13:04 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040925.M
 Quant Title : GC Extractables
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Spiked Amount 50.000		Recovery =	101.13%
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1) T n-Nonane (C9)	3.450	5067341	50.185 ug/ml
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4) T n-Dodecane (C12)	6.553	5078941	50.435 ug/ml
5) T A~2-methylnaphthalene...	7.185	5572356	50.187 ug/ml
6) T n-Tetradecane (C14)	8.351	4969100	50.562 ug/ml
7) T n-Hexadecane (C16)	9.955	4928238	50.657 ug/ml
8) T n-Octadecane (C18)	11.400	4878449	50.714 ug/ml
10) T n-Eicosane (C20)	12.711	4775746	50.664 ug/ml
11) T n-Heneicosane (C21)	13.324	4725926	50.625 ug/ml
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17) T n-Tricontane (C30)	17.878	4424204	49.765 ug/ml
18) T n-Dotriacontane (C32)	18.712	4393250	49.592 ug/ml
19) T n-Tetratriacontane (C34)	19.496	4277762	49.434 ug/ml
20) T n-Hexatriacontane (C36)	20.237	4294870	49.370 ug/ml
21) T n-Octatriacontane (C38)	21.016	4234644	49.308 ug/ml
22) T n-Tetracontane (C40)	22.000	4228112	49.226 ug/ml

(f)=RT Delta > 1/2 Window

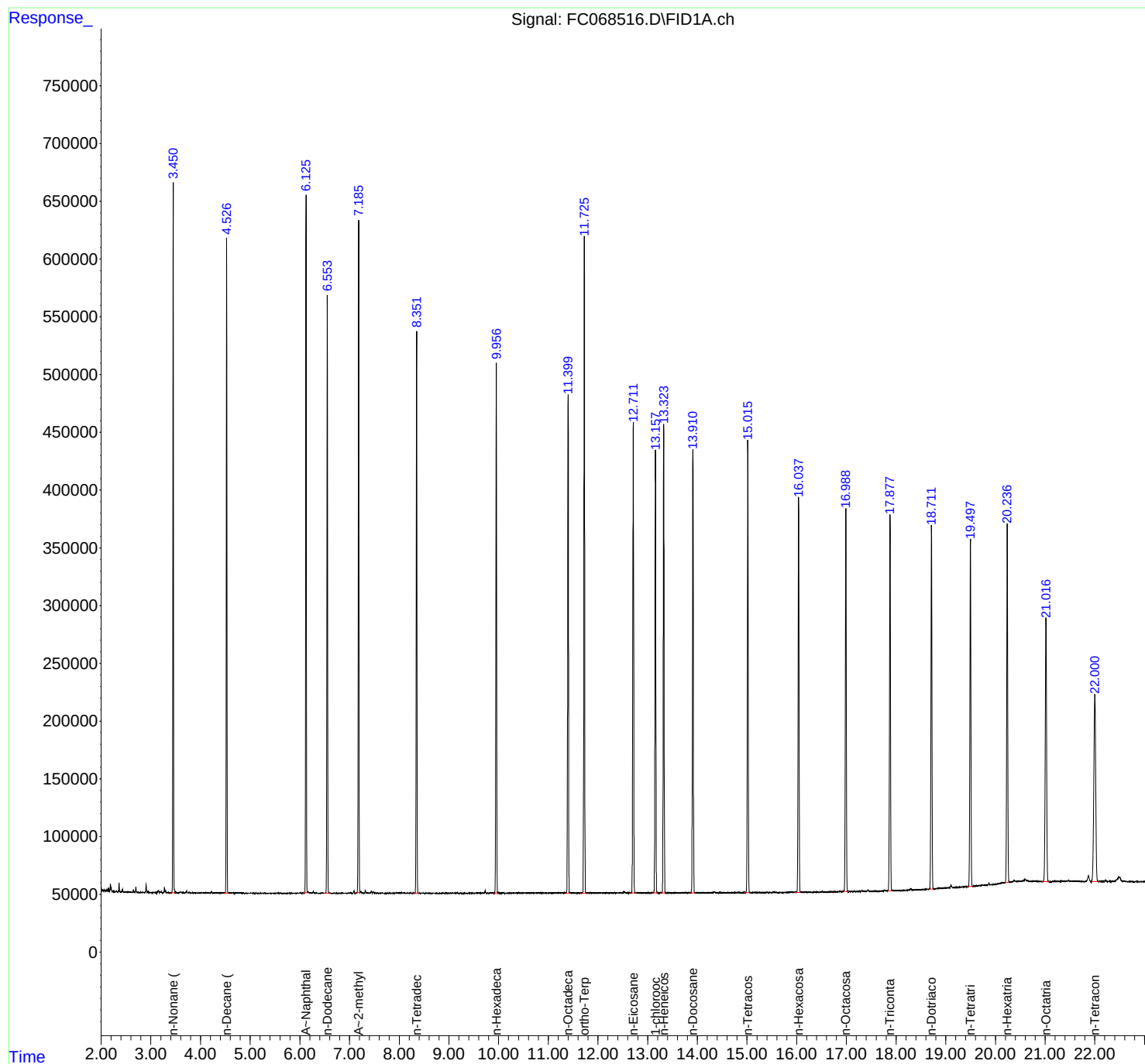
(m)=manual int.

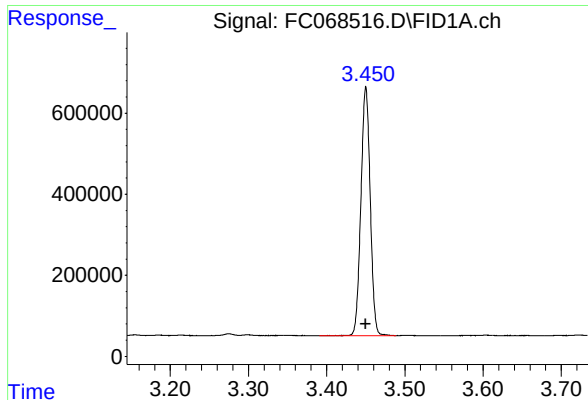
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040925AL\
Data File : FC068516.D
Signal(s) : FID1A.ch
Acq On : 08 Apr 2025 14:56
Operator : YP/AJ
Sample : 50 PPM ALIPHATIC HC STD2
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2

Integration File: autoint1.e
Quant Time: Apr 08 16:13:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040925.M
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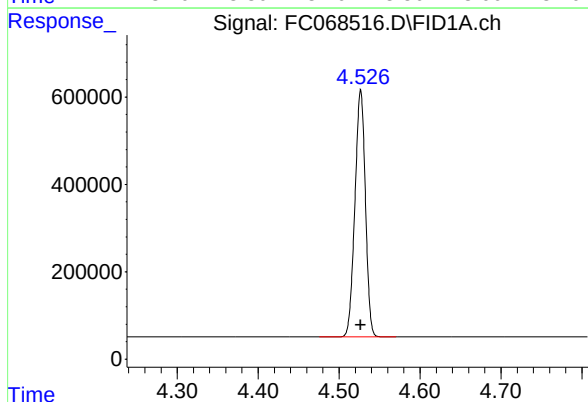




#1 n-Nonane (C9)

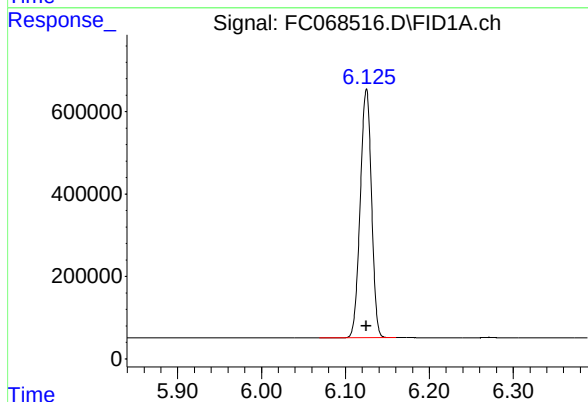
R.T.: 3.450 min
Delta R.T.: 0.000 min
Response: 5067341
Conc: 50.18 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



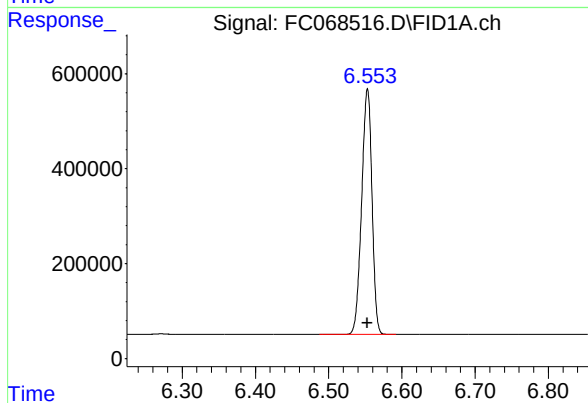
#2 n-Decane (C10)

R.T.: 4.527 min
Delta R.T.: 0.000 min
Response: 5076375
Conc: 50.28 ug/ml



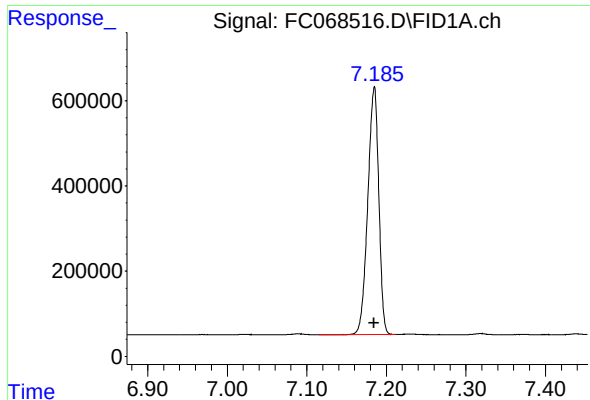
#3 A~Naphthalene (C11.7)

R.T.: 6.125 min
Delta R.T.: 0.000 min
Response: 5619945
Conc: 50.26 ug/ml



#4 n-Dodecane (C12)

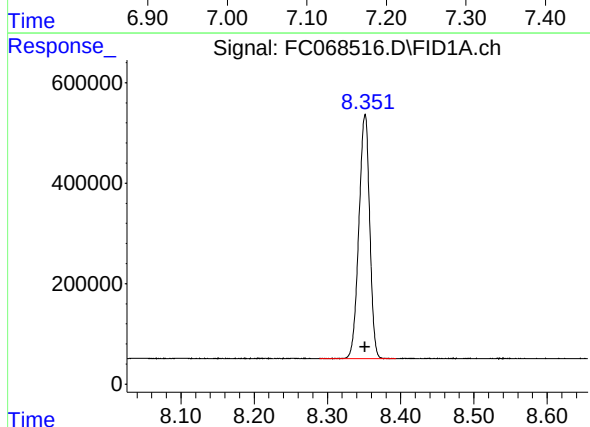
R.T.: 6.553 min
Delta R.T.: 0.000 min
Response: 5078941
Conc: 50.44 ug/ml



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

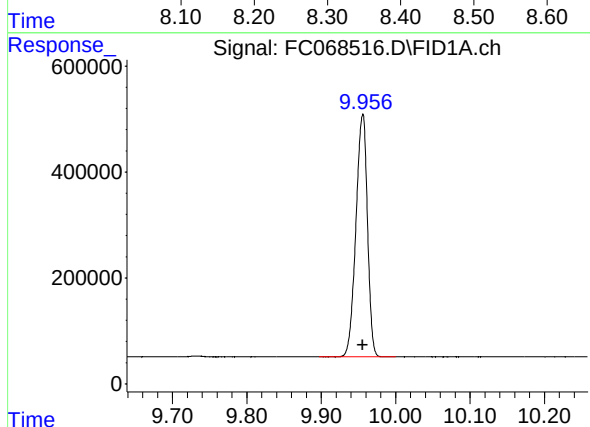
R.T.: 7.185 min
Delta R.T.: 0.000 min
Response: 5572356
Conc: 50.19 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



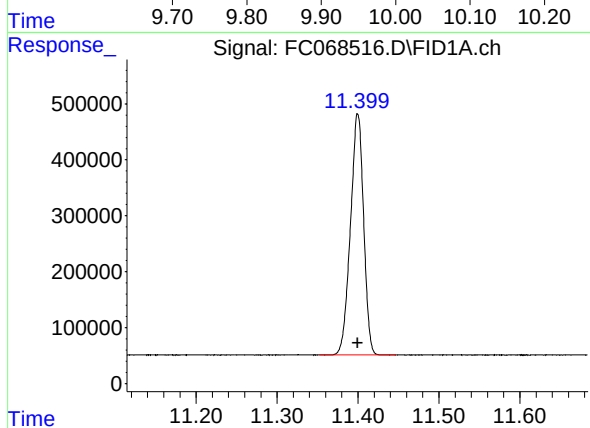
#6 n-Tetradecane (C14)

R.T.: 8.351 min
Delta R.T.: 0.000 min
Response: 4969100
Conc: 50.56 ug/ml



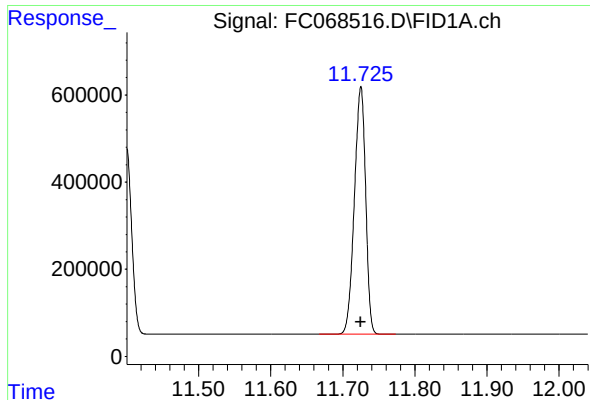
#7 n-Hexadecane (C16)

R.T.: 9.955 min
Delta R.T.: 0.000 min
Response: 4928238
Conc: 50.66 ug/ml



#8 n-Octadecane (C18)

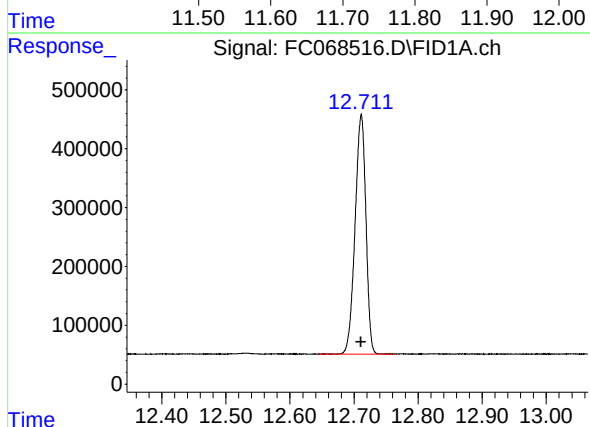
R.T.: 11.400 min
Delta R.T.: 0.000 min
Response: 4878449
Conc: 50.71 ug/ml



#9 ortho-Terphenyl (SURR)

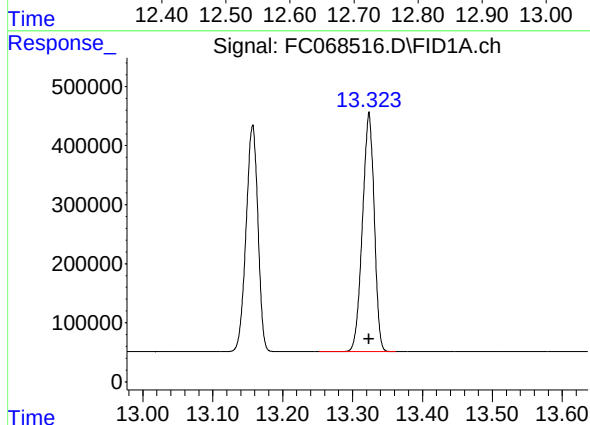
R.T.: 11.725 min
Delta R.T.: 0.000 min
Response: 6161100
Conc: 50.36 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



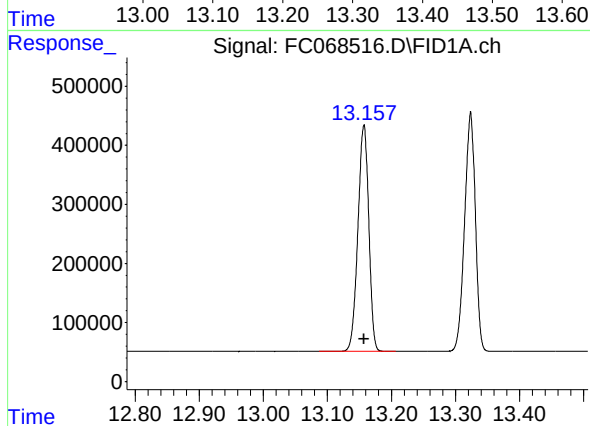
#10 n-Eicosane (C20)

R.T.: 12.711 min
Delta R.T.: 0.000 min
Response: 4775746
Conc: 50.66 ug/ml



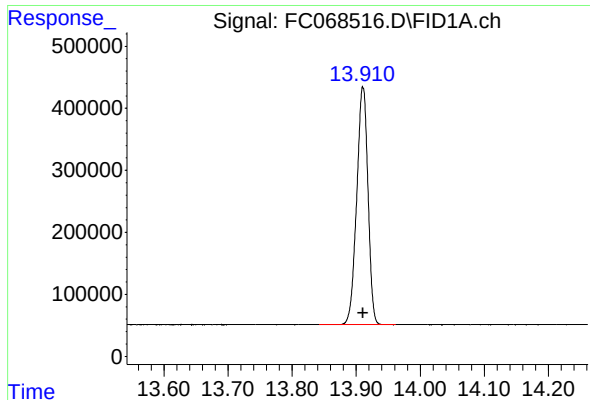
#11 n-Heneicosane (C21)

R.T.: 13.324 min
Delta R.T.: 0.000 min
Response: 4725926
Conc: 50.63 ug/ml



#12 1-chlorooctadecane (SURR)

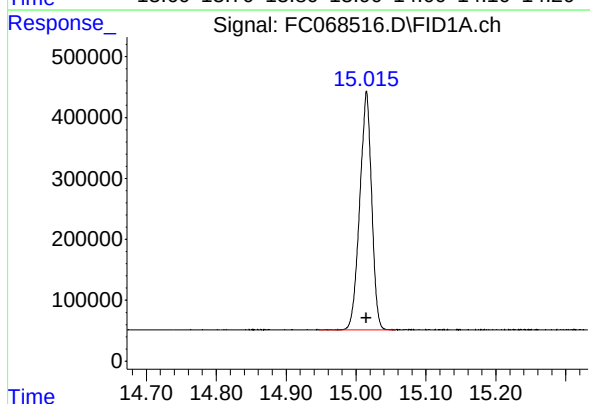
R.T.: 13.157 min
Delta R.T.: 0.000 min
Response: 4514187
Conc: 50.57 ug/ml



#13 n-Docosane (C22)

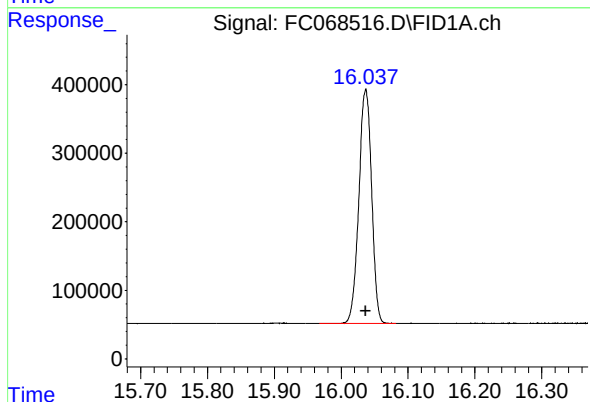
R.T.: 13.910 min
Delta R.T.: 0.000 min
Response: 4681649
Conc: 50.55 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



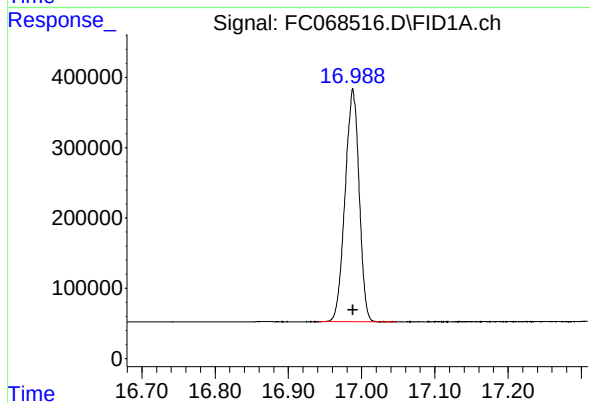
#14 n-Tetracosane (C24)

R.T.: 15.015 min
Delta R.T.: 0.000 min
Response: 4612534
Conc: 50.44 ug/ml



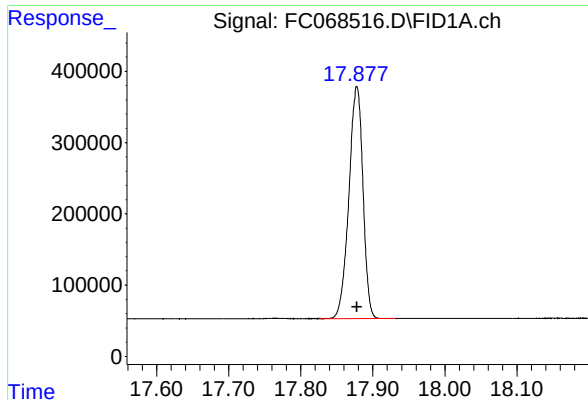
#15 n-Hexacosane (C26)

R.T.: 16.037 min
Delta R.T.: 0.000 min
Response: 4527712
Conc: 50.22 ug/ml



#16 n-Octacosane (C28)

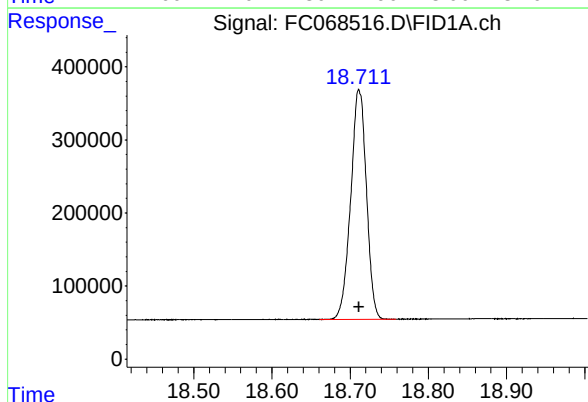
R.T.: 16.988 min
Delta R.T.: 0.000 min
Response: 4424410
Conc: 49.98 ug/ml



#17 n-Tricontane (C30)

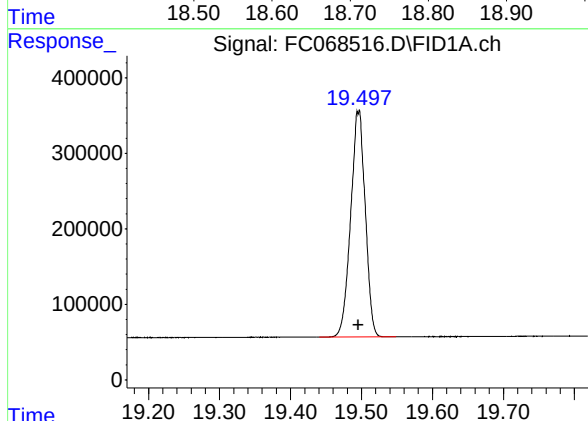
R.T.: 17.878 min
Delta R.T.: 0.000 min
Response: 4424204
Conc: 49.77 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



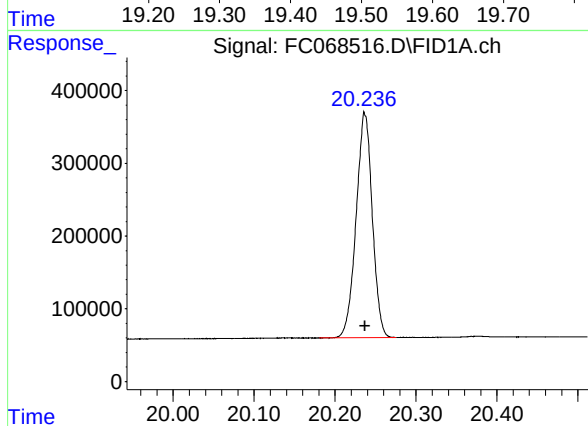
#18 n-Dotriacontane (C32)

R.T.: 18.712 min
Delta R.T.: 0.000 min
Response: 4393250
Conc: 49.59 ug/ml



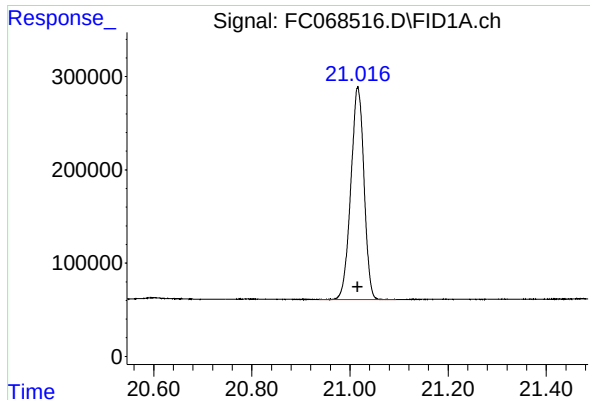
#19 n-Tetratriacontane (C34)

R.T.: 19.496 min
Delta R.T.: 0.000 min
Response: 4277762
Conc: 49.43 ug/ml



#20 n-Hexatriacontane (C36)

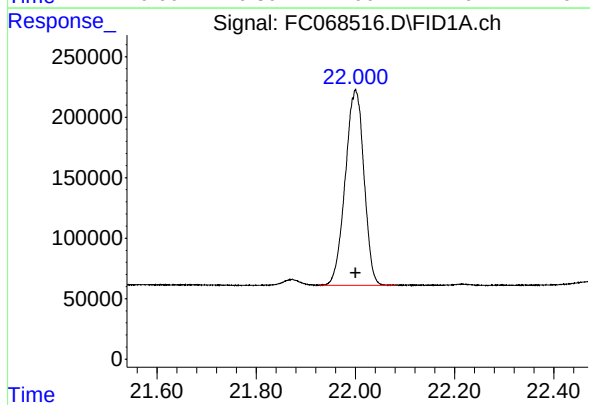
R.T.: 20.237 min
Delta R.T.: 0.000 min
Response: 4294870
Conc: 49.37 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.016 min
Delta R.T.: 0.000 min
Response: 4234644
Conc: 49.31 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



#22 n-Tetracontane (C40)

R.T.: 22.000 min
Delta R.T.: 0.000 min
Response: 4228112
Conc: 49.23 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040925AL\
Data File : FC068516.D
Signal(s) : FID1A.ch
Acq On : 08 Apr 2025 14:56
Sample : 50 PPM ALIPHATIC HC STD2
Misc :
ALS Vial : 12 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040925.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	3.450	3.390	3.489	BV	614195	5067341	82.25%	4.805%
2	4.527	4.475	4.570	BB	566581	5076375	82.39%	4.813%
3	6.125	6.069	6.160	BV	605260	5619945	91.22%	5.329%
4	6.553	6.487	6.592	BB	518970	5078941	82.44%	4.816%
5	7.185	7.115	7.212	BV	587046	5572356	90.44%	5.284%
6	8.351	8.289	8.394	BB	488782	4969100	80.65%	4.712%
7	9.955	9.897	10.000	BB	457482	4928238	79.99%	4.673%
8	11.400	11.352	11.447	BB	430140	4878449	79.18%	4.626%
9	11.725	11.667	11.774	BB	570322	6161100	100.00%	5.842%
10	12.711	12.645	12.765	BB	404785	4775746	77.51%	4.528%
11	13.157	13.087	13.207	BB	383072	4514187	73.27%	4.280%
12	13.324	13.252	13.362	BB	405122	4725926	76.71%	4.481%
13	13.910	13.842	13.962	BB	383565	4681649	75.99%	4.439%
14	15.015	14.947	15.057	BB	393040	4612534	74.87%	4.373%
15	16.037	15.990	16.082	BB	342528	4526622	73.47%	4.292%
16	16.988	16.942	17.047	BB	330582	4424410	71.81%	4.195%
17	17.878	17.825	17.932	BB	326941	4424204	71.81%	4.195%
18	18.712	18.660	18.759	BB	312516	4393250	71.31%	4.166%
19	19.496	19.440	19.549	BB	296964	4277762	69.43%	4.056%
20	20.237	20.180	20.275	BB	306583	4294870	69.71%	4.072%
21	21.016	20.937	21.094	BB	228457	4234644	68.73%	4.015%
22	22.000	21.927	22.082	VB	161807	4228112	68.63%	4.009%
Sum of corrected areas:						105465761		

Aliphatic EPH 040925.M Wed Apr 09 02:02:27 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040925AL\
 Data File : FC068517.D
 Signal(s) : FID1A.ch
 Acq On : 08 Apr 2025 15:34
 Operator : YP/AJ
 Sample : 20 PPM ALIPHATIC HC STD3
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 20 PPM ALIPHATIC HC STD3

Integration File: autoint1.e
 Quant Time: Apr 08 16:09:48 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040925.M
 Quant Title : GC Extractables
 QLast Update : Tue Apr 08 16:09:32 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)	11.722	2550464	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
12) S 1-chlorooctadecane (S...	13.154	1862131	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
Target Compounds			
1) T n-Nonane (C9)	3.449	2096221	20.000 ug/ml
2) T n-Decane (C10)	4.526	2095530	20.000 ug/ml
3) T A~Naphthalene (C11.7)	6.124	2319276	20.000 ug/ml
4) T n-Dodecane (C12)	6.551	2094281	20.000 ug/ml
5) T A~2-methylnaphthalene...	7.183	2314991	20.000 ug/ml
6) T n-Tetradecane (C14)	8.350	2051743	20.000 ug/ml
7) T n-Hexadecane (C16)	9.953	2036847	20.000 ug/ml
8) T n-Octadecane (C18)	11.397	2013255	20.000 ug/ml
10) T n-Eicosane (C20)	12.708	1973342	20.000 ug/ml
11) T n-Heneicosane (C21)	13.320	1951198	20.000 ug/ml
13) T n-Docosane (C22)	13.907	1934500	20.000 ug/ml
14) T n-Tetracosane (C24)	15.012	1902333	20.000 ug/ml
15) T n-Hexacosane (C26)	16.034	1867179	20.000 ug/ml
16) T n-Octacosane (C28)	16.985	1825121	20.000 ug/ml
17) T n-Tricontane (C30)	17.874	1825746	20.000 ug/ml
18) T n-Dotriacontane (C32)	18.708	1812670	20.000 ug/ml
19) T n-Tetratriacontane (C34)	19.492	1768427	20.000 ug/ml
20) T n-Hexatriacontane (C36)	20.234	1773721	20.000 ug/ml
21) T n-Octatriacontane (C38)	21.012	1754719	20.000 ug/ml
22) T n-Tetracontane (C40)	21.991	1753808	20.000 ug/ml

(f)=RT Delta > 1/2 Window

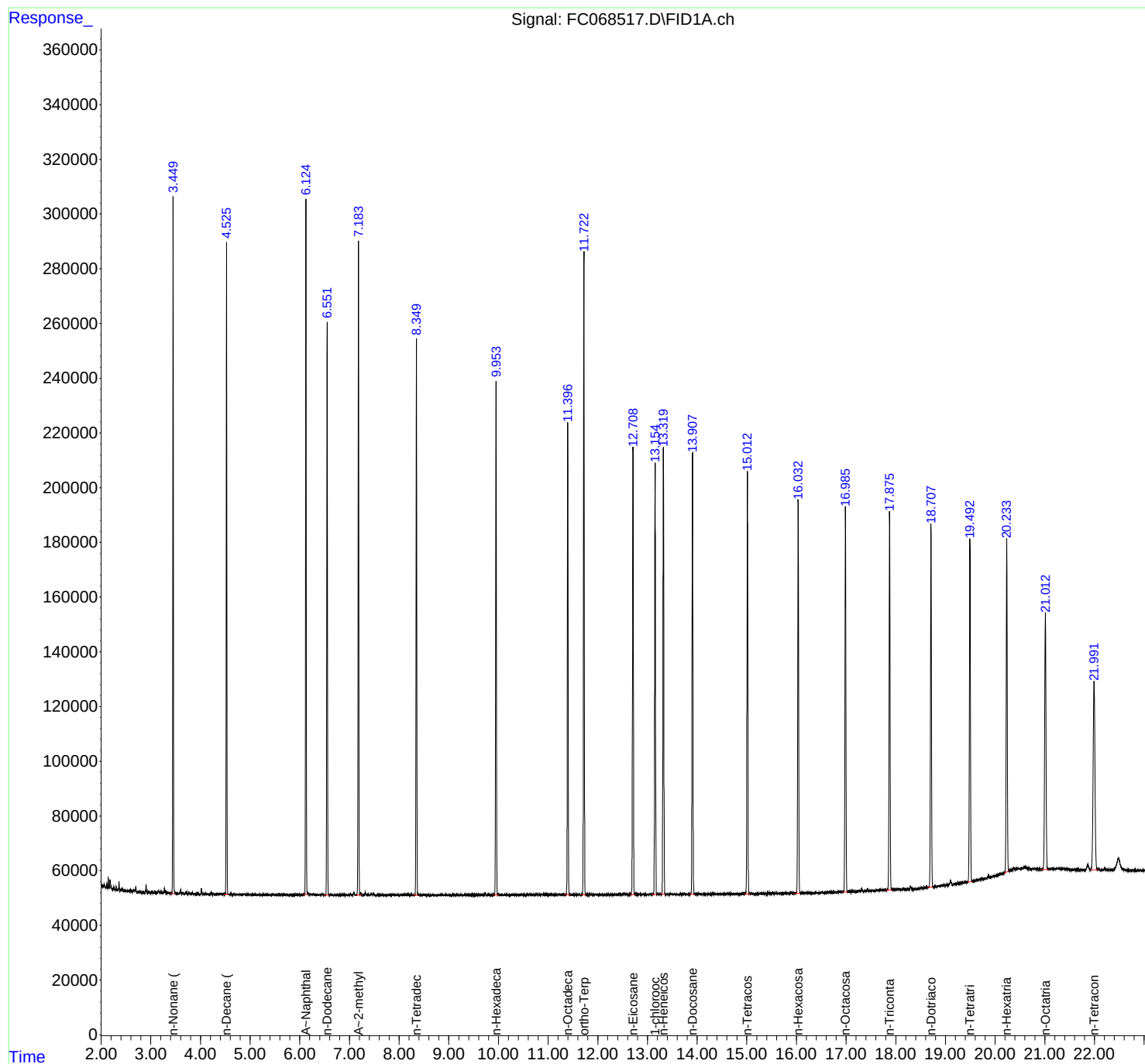
(m)=manual int.

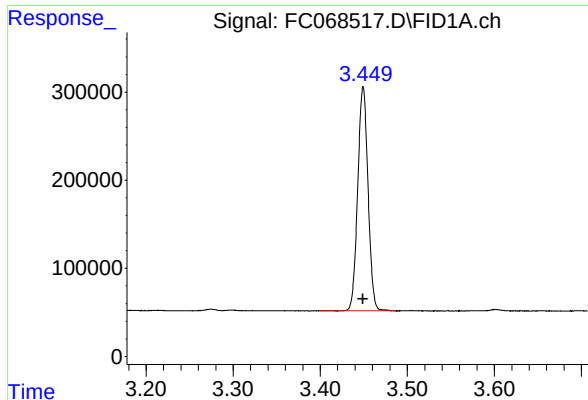
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040925AL\
Data File : FC068517.D
Signal(s) : FID1A.ch
Acq On : 08 Apr 2025 15:34
Operator : YP/AJ
Sample : 20 PPM ALIPHATIC HC STD3
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3

Integration File: autoint1.e
Quant Time: Apr 08 16:09:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040925.M
Quant Title : GC Extractables
QLast Update : Tue Apr 08 16:09:32 2025
Response via : Initial Calibration
Integrator: ChemStation

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

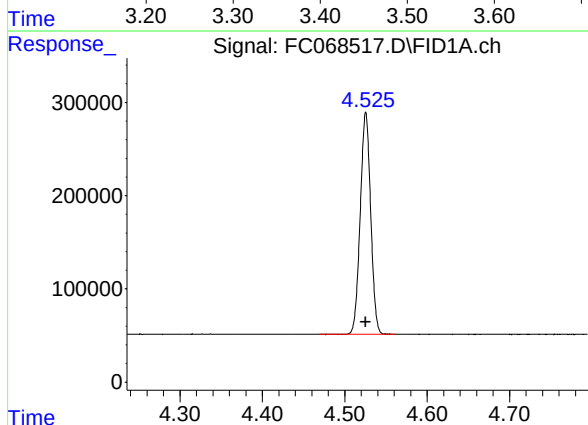




#1 n-Nonane (C9)

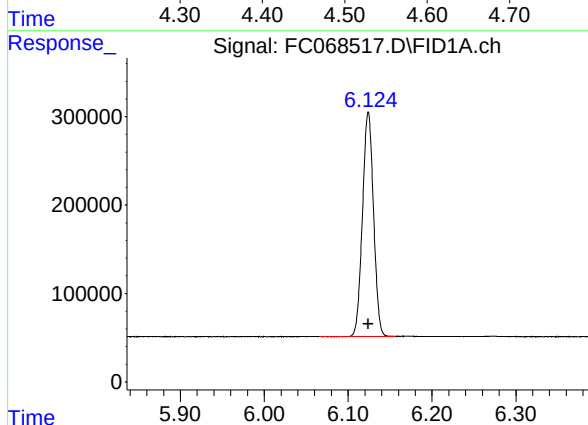
R.T.: 3.449 min
Delta R.T.: 0.000 min
Response: 2096221
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



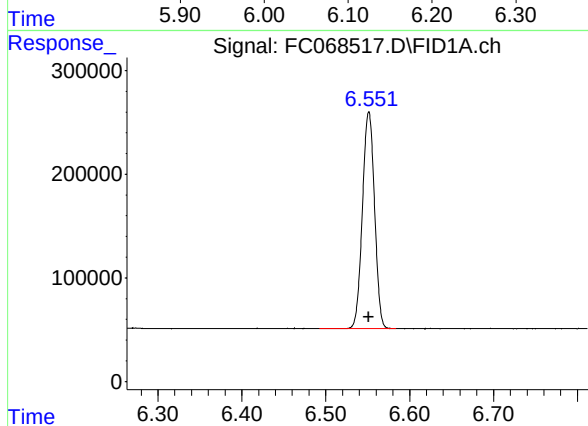
#2 n-Decane (C10)

R.T.: 4.526 min
Delta R.T.: 0.000 min
Response: 2095530
Conc: 20.00 ug/ml



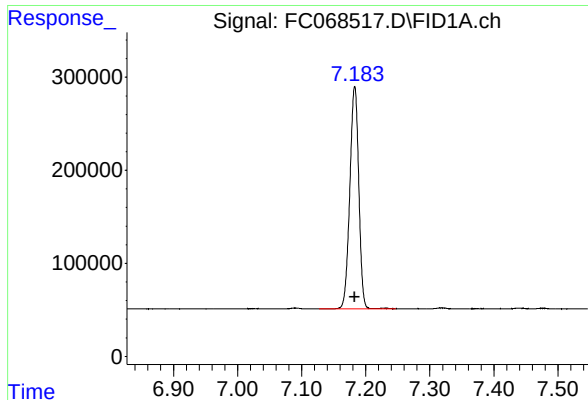
#3 A~Naphthalene (C11.7)

R.T.: 6.124 min
Delta R.T.: 0.000 min
Response: 2319276
Conc: 20.00 ug/ml



#4 n-Dodecane (C12)

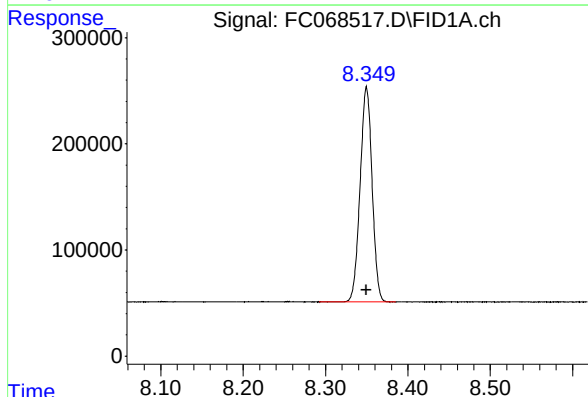
R.T.: 6.551 min
Delta R.T.: 0.000 min
Response: 2094281
Conc: 20.00 ug/ml



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

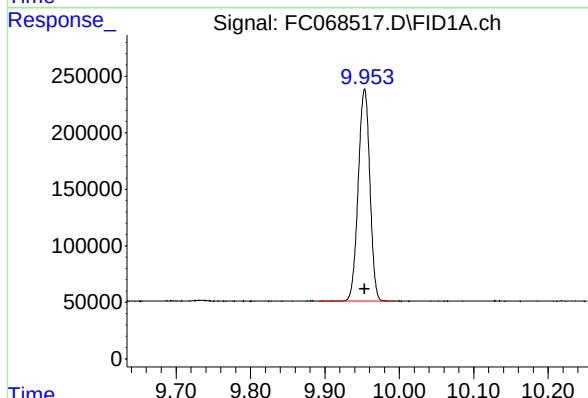
R.T.: 7.183 min
Delta R.T.: 0.000 min
Response: 2314991
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



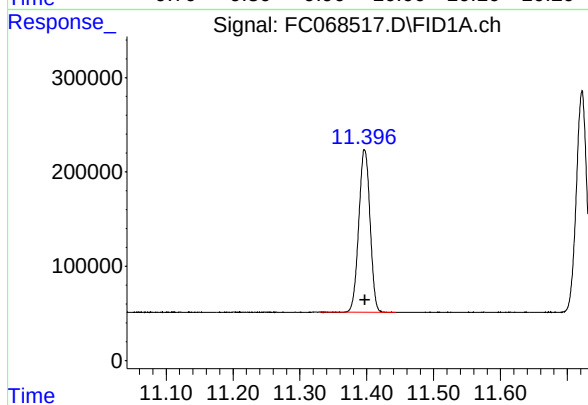
#6 n-Tetradecane (C14)

R.T.: 8.350 min
Delta R.T.: 0.000 min
Response: 2051743
Conc: 20.00 ug/ml



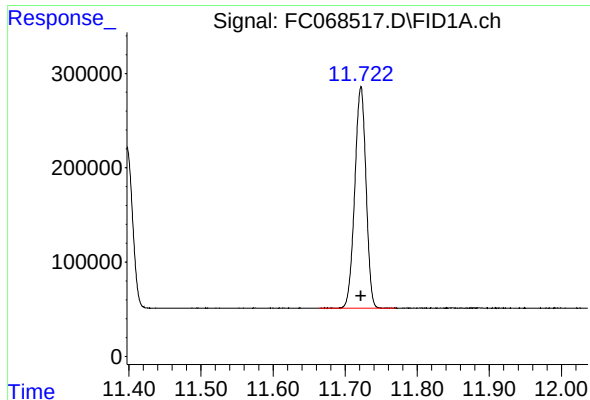
#7 n-Hexadecane (C16)

R.T.: 9.953 min
Delta R.T.: 0.000 min
Response: 2036847
Conc: 20.00 ug/ml



#8 n-Octadecane (C18)

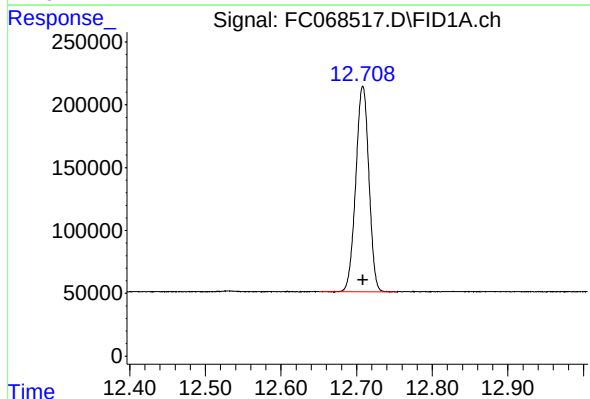
R.T.: 11.397 min
Delta R.T.: 0.000 min
Response: 2013255
Conc: 20.00 ug/ml



#9 ortho-Terphenyl (SURR)

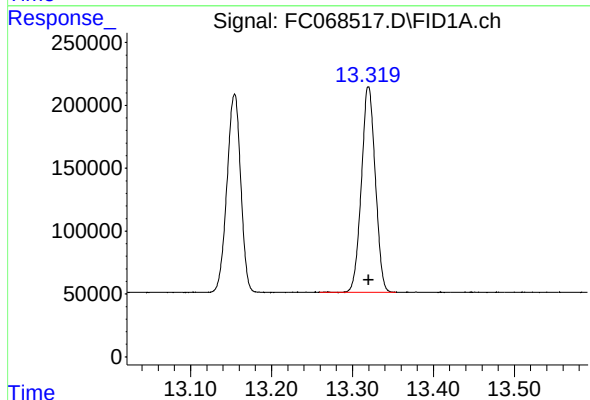
R.T.: 11.722 min
Delta R.T.: 0.000 min
Response: 2550464
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



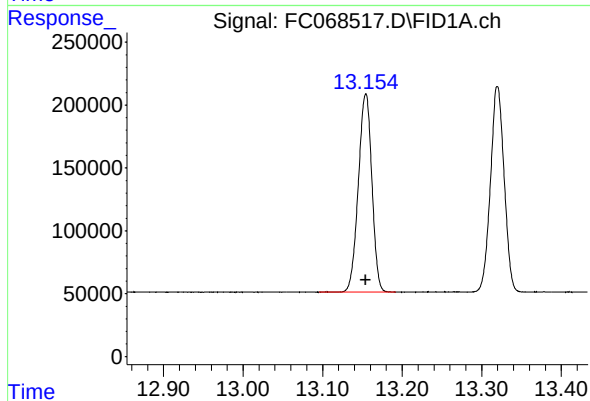
#10 n-Eicosane (C20)

R.T.: 12.708 min
Delta R.T.: 0.000 min
Response: 1973342
Conc: 20.00 ug/ml



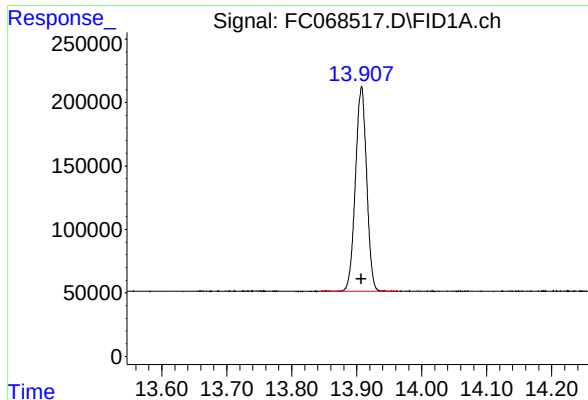
#11 n-Heneicosane (C21)

R.T.: 13.320 min
Delta R.T.: 0.000 min
Response: 1951198
Conc: 20.00 ug/ml



#12 1-chlorooctadecane (SURR)

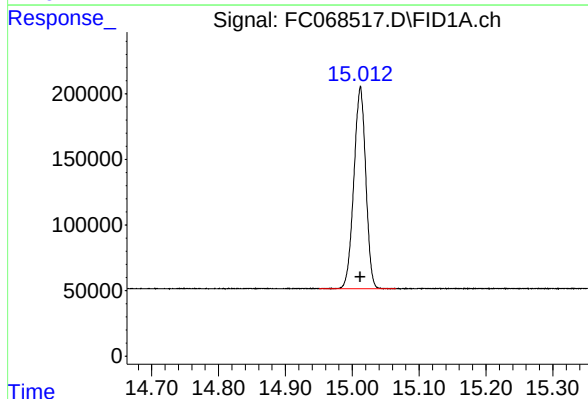
R.T.: 13.154 min
Delta R.T.: 0.000 min
Response: 1862131
Conc: 20.00 ug/ml



#13 n-Docosane (C22)

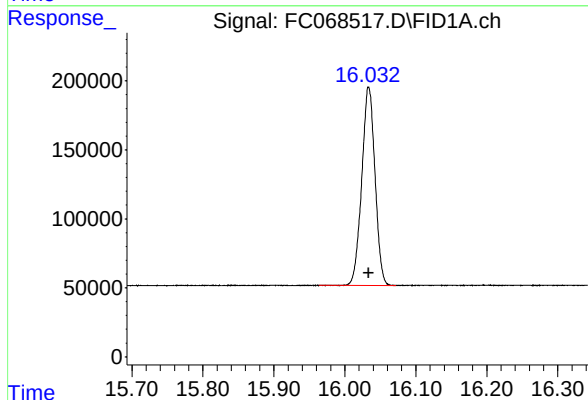
R.T.: 13.907 min
Delta R.T.: 0.000 min
Response: 1934500
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



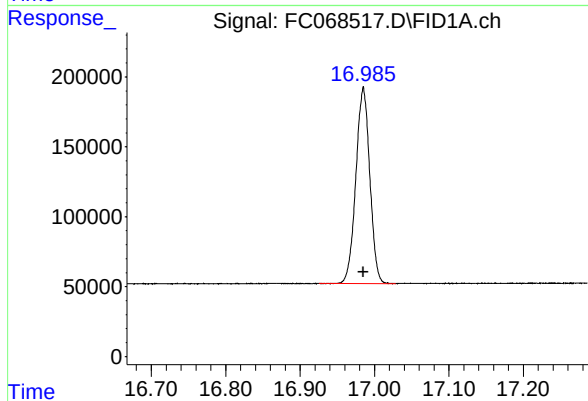
#14 n-Tetracosane (C24)

R.T.: 15.012 min
Delta R.T.: 0.000 min
Response: 1902333
Conc: 20.00 ug/ml



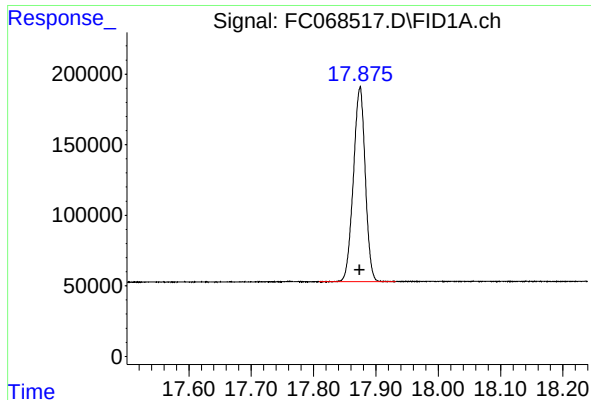
#15 n-Hexacosane (C26)

R.T.: 16.034 min
Delta R.T.: 0.000 min
Response: 1867179
Conc: 20.00 ug/ml



#16 n-Octacosane (C28)

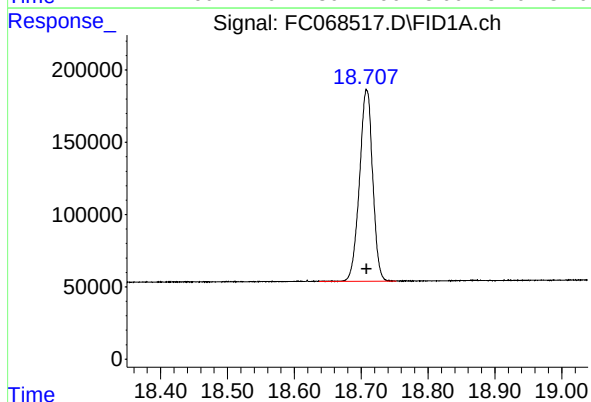
R.T.: 16.985 min
Delta R.T.: 0.000 min
Response: 1825121
Conc: 20.00 ug/ml



#17 n-Tricontane (C30)

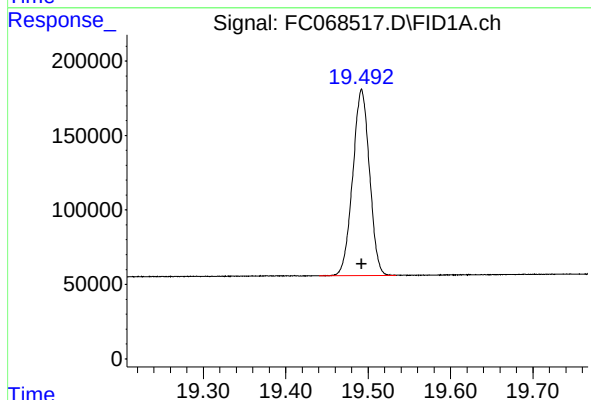
R.T.: 17.874 min
Delta R.T.: 0.000 min
Response: 1825746
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



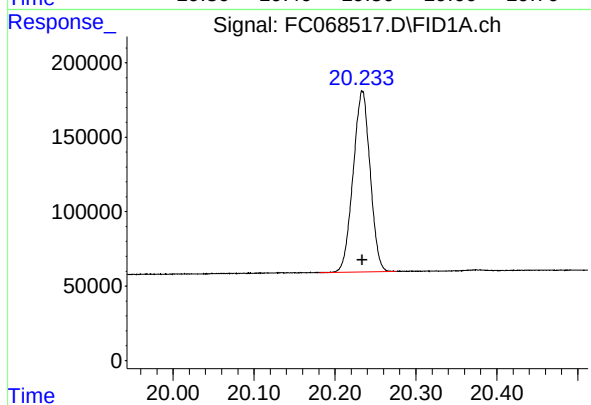
#18 n-Dotriacontane (C32)

R.T.: 18.708 min
Delta R.T.: 0.000 min
Response: 1812670
Conc: 20.00 ug/ml



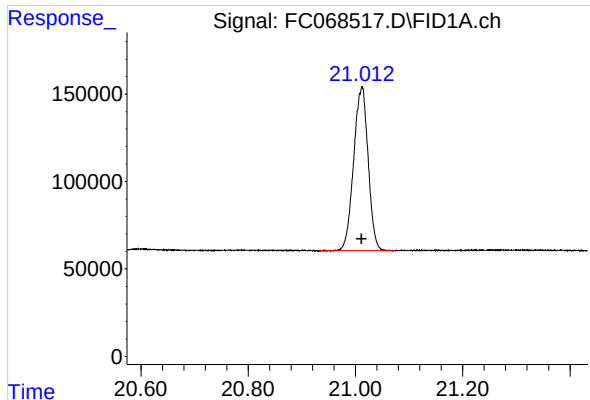
#19 n-Tetratriacontane (C34)

R.T.: 19.492 min
Delta R.T.: 0.000 min
Response: 1768427
Conc: 20.00 ug/ml



#20 n-Hexatriacontane (C36)

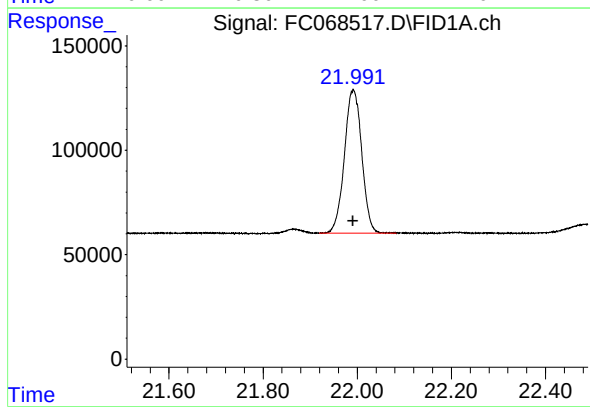
R.T.: 20.234 min
Delta R.T.: 0.000 min
Response: 1773721
Conc: 20.00 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.012 min
Delta R.T.: 0.000 min
Response: 1754719
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



#22 n-Tetracontane (C40)

R.T.: 21.991 min
Delta R.T.: 0.000 min
Response: 1753808
Conc: 20.00 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040925AL\
Data File : FC068517.D
Signal(s) : FID1A.ch
Acq On : 08 Apr 2025 15:34
Sample : 20 PPM ALIPHATIC HC STD3
Misc :
ALS Vial : 13 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040925.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	3.449	3.399	3.487	BV	253958	2096221	82.19%	4.810%
2	4.526	4.469	4.562	BB	238340	2095530	82.16%	4.809%
3	6.124	6.065	6.157	BB	253815	2319276	90.94%	5.322%
4	6.551	6.492	6.584	BB	209737	2094281	82.11%	4.806%
5	7.183	7.127	7.247	BB	239201	2314991	90.77%	5.312%
6	8.350	8.292	8.385	BB	201953	2051743	80.45%	4.708%
7	9.953	9.892	9.995	BB	188220	2036847	79.86%	4.674%
8	11.397	11.329	11.444	BB	171872	2013255	78.94%	4.620%
9	11.722	11.664	11.770	BB	235078	2550464	100.00%	5.853%
10	12.708	12.650	12.752	BB	163857	1973342	77.37%	4.528%
11	13.154	13.095	13.192	BB	157485	1862131	73.01%	4.273%
12	13.320	13.259	13.354	BB	163602	1951198	76.50%	4.478%
13	13.907	13.842	13.960	BB	161073	1934500	75.85%	4.439%
14	15.012	14.950	15.065	BB	154219	1902333	74.59%	4.365%
15	16.034	15.990	16.072	BB	143647	1867249	73.21%	4.285%
16	16.985	16.925	17.029	BB	140633	1825121	71.56%	4.188%
17	17.874	17.809	17.932	BB	137283	1825746	71.58%	4.190%
18	18.708	18.637	18.752	BB	132106	1812670	71.07%	4.160%
19	19.492	19.440	19.534	BB	125064	1768427	69.34%	4.058%
20	20.234	20.180	20.275	BB	121667	1773721	69.55%	4.070%
21	21.012	20.932	21.075	BB	93948	1754719	68.80%	4.027%
22	21.991	21.919	22.082	BB	68732	1753808	68.76%	4.025%
Sum of corrected areas:							43577572	

Aliphatic EPH 040925.M Wed Apr 09 02:02:52 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040925AL\
 Data File : FC068518.D
 Signal(s) : FID1A.ch
 Acq On : 08 Apr 2025 16:12
 Operator : YP/AJ
 Sample : 10 PPM ALIPHATIC HC STD4
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 10 PPM ALIPHATIC HC STD4

Integration File: autoint1.e
 Quant Time: Apr 08 17:03:34 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040925.M
 Quant Title : GC Extractables
 QLast Update : Tue Apr 08 17:03:20 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)	11.720	1388282	10.977 ug/ml
Spiked Amount 50.000		Recovery =	21.95%
12) S 1-chlorooctadecane (S...	13.154	1026505	11.083 ug/ml
Spiked Amount 50.000		Recovery =	22.17%
Target Compounds			
1) T n-Nonane (C9)	3.450	1136561	10.913 ug/ml
2) T n-Decane (C10)	4.525	1140863	10.944 ug/ml
3) T A~Naphthalene (C11.7)	6.124	1256563	10.901 ug/ml
4) T n-Dodecane (C12)	6.551	1144968	10.993 ug/ml
5) T A~2-methylnaphthalene...	7.181	1247891	10.901 ug/ml
6) T n-Tetradecane (C14)	8.348	1128652	11.073 ug/ml
7) T n-Hexadecane (C16)	9.952	1124488	11.125 ug/ml
8) T n-Octadecane (C18)	11.396	1115425	11.151 ug/ml
10) T n-Eicosane (C20)	12.707	1092518	11.147 ug/ml
11) T n-Heneicosane (C21)	13.320	1082284	11.149 ug/ml
13) T n-Docosane (C22)	13.907	1070404	11.124 ug/ml
14) T n-Tetracosane (C24)	15.011	1051523	11.083 ug/ml
15) T n-Hexacosane (C26)	16.034	1022441	10.974 ug/ml
16) T n-Octacosane (C28)	16.985	993075	10.887 ug/ml
17) T n-Tricontane (C30)	17.873	990582	10.833 ug/ml
18) T n-Dotriacontane (C32)	18.707	985052	10.817 ug/ml
19) T n-Tetratriacontane (C34)	19.492	949339	10.711 ug/ml
20) T n-Hexatriacontane (C36)	20.233	947135	10.651 ug/ml
21) T n-Octatriacontane (C38)	21.009	932368	10.629 ug/ml
22) T n-Tetracontane (C40)	21.991	924309	10.560 ug/ml

(f)=RT Delta > 1/2 Window

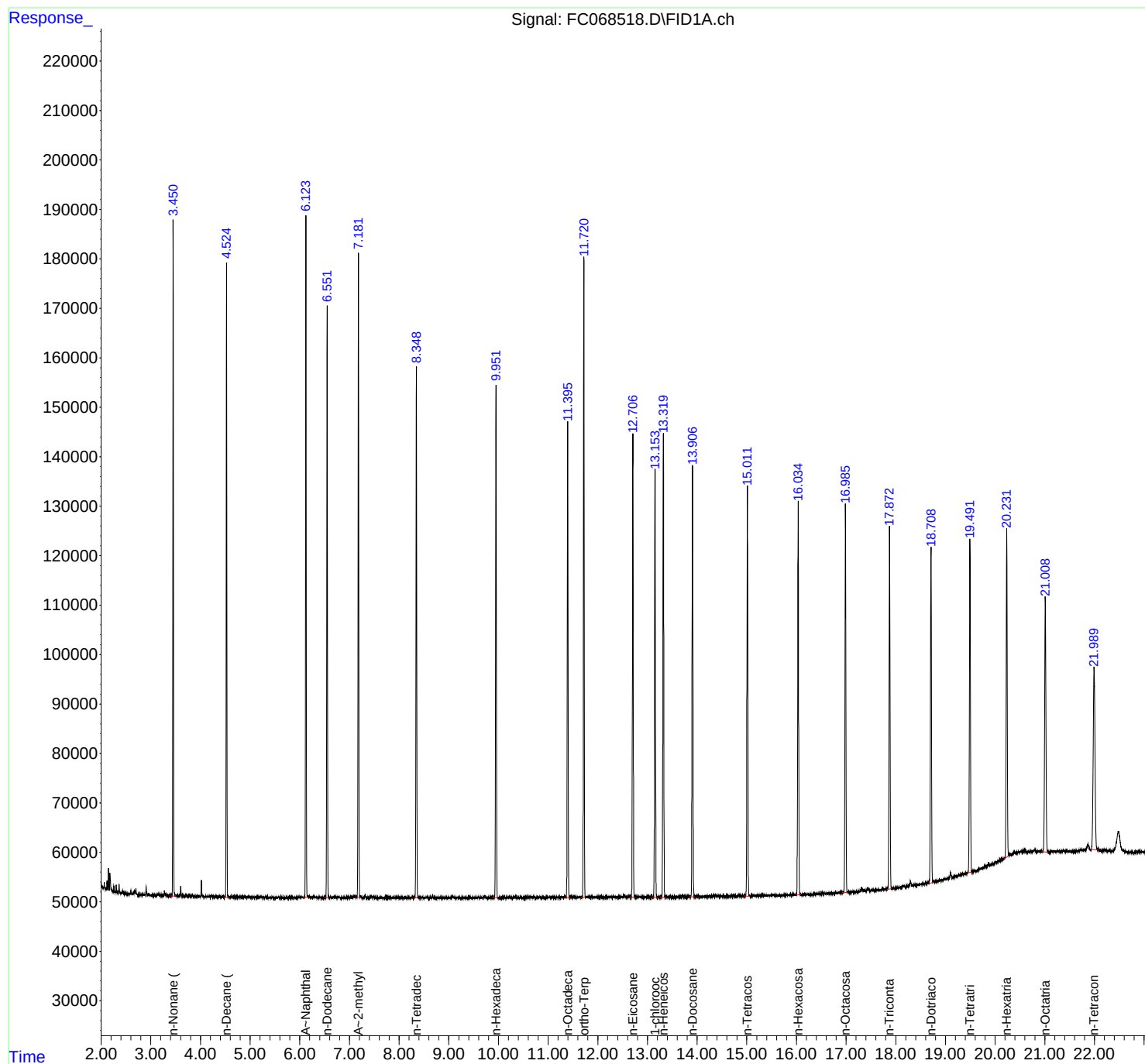
(m)=manual int.

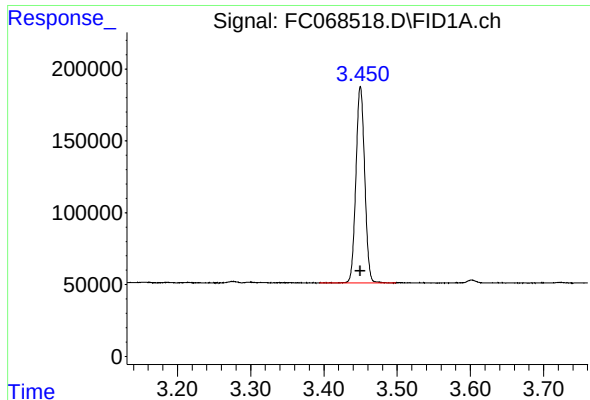
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040925AL\
Data File : FC068518.D
Signal(s) : FID1A.ch
Acq On : 08 Apr 2025 16:12
Operator : YP/AJ
Sample : 10 PPM ALIPHATIC HC STD4
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4

Integration File: autoint1.e
Quant Time: Apr 08 17:03:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040925.M
Quant Title : GC Extractables
QLast Update : Tue Apr 08 17:03:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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

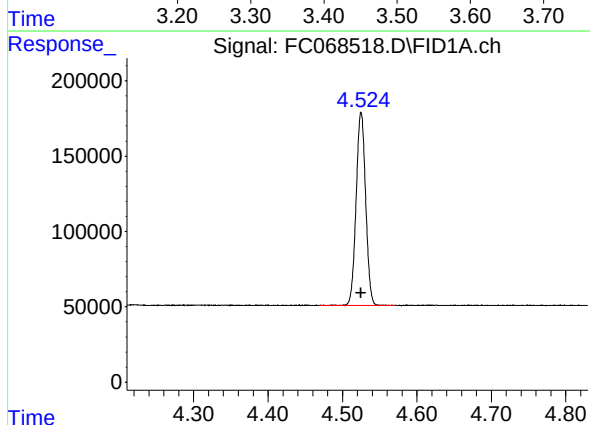




#1 n-Nonane (C9)

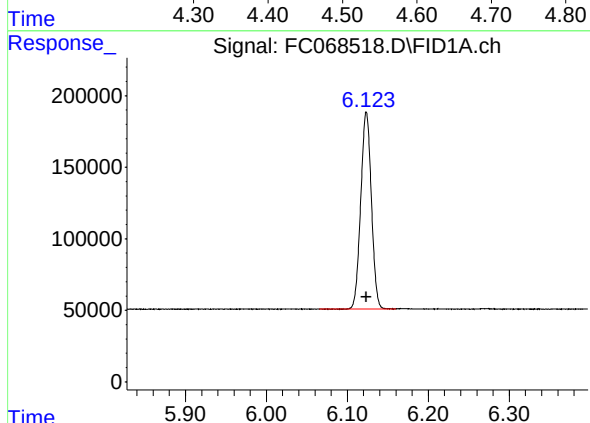
R.T.: 3.450 min
Delta R.T.: 0.000 min
Response: 1136561
Conc: 10.91 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



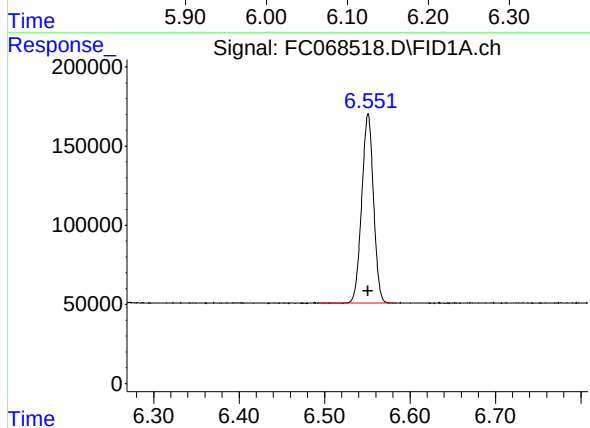
#2 n-Decane (C10)

R.T.: 4.525 min
Delta R.T.: 0.000 min
Response: 1140863
Conc: 10.94 ug/ml



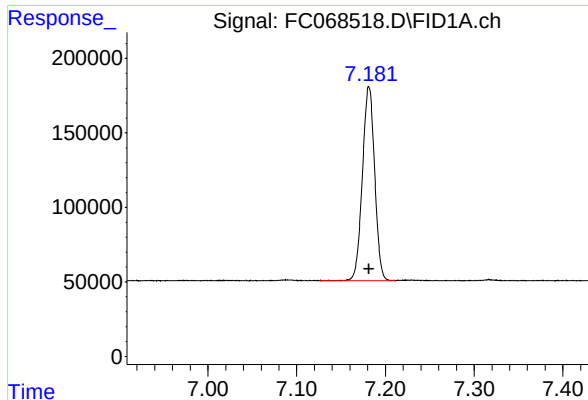
#3 A~Naphthalene (C11.7)

R.T.: 6.124 min
Delta R.T.: 0.000 min
Response: 1256563
Conc: 10.90 ug/ml



#4 n-Dodecane (C12)

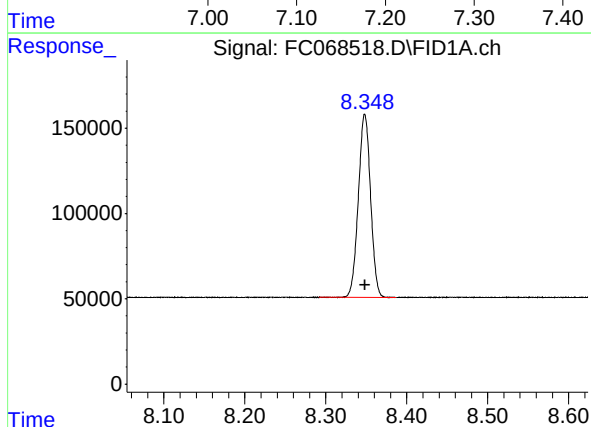
R.T.: 6.551 min
Delta R.T.: 0.000 min
Response: 1144968
Conc: 10.99 ug/ml



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

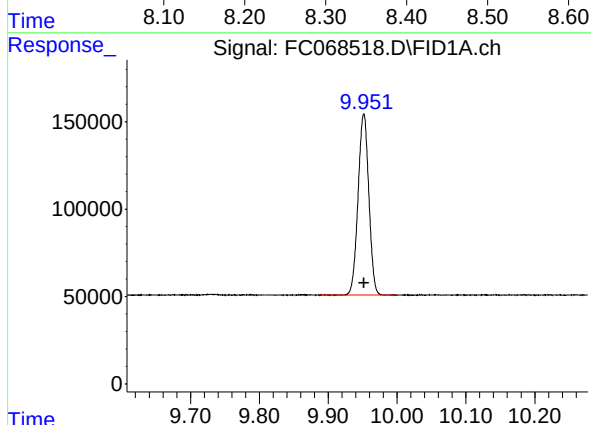
R.T.: 7.181 min
Delta R.T.: 0.000 min
Response: 1247891
Conc: 10.90 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



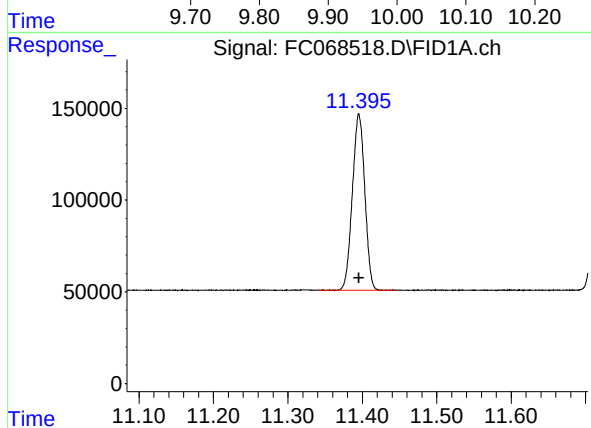
#6 n-Tetradecane (C14)

R.T.: 8.348 min
Delta R.T.: 0.000 min
Response: 1128652
Conc: 11.07 ug/ml



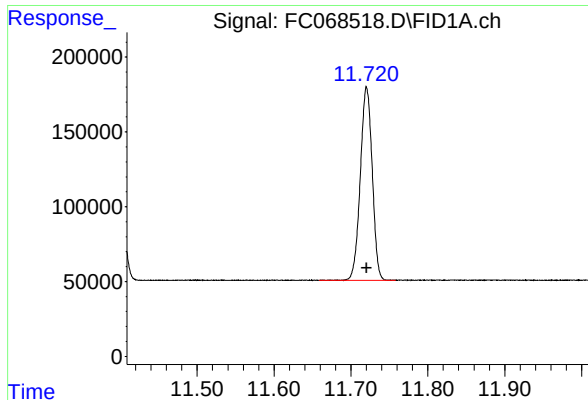
#7 n-Hexadecane (C16)

R.T.: 9.952 min
Delta R.T.: 0.000 min
Response: 1124488
Conc: 11.13 ug/ml



#8 n-Octadecane (C18)

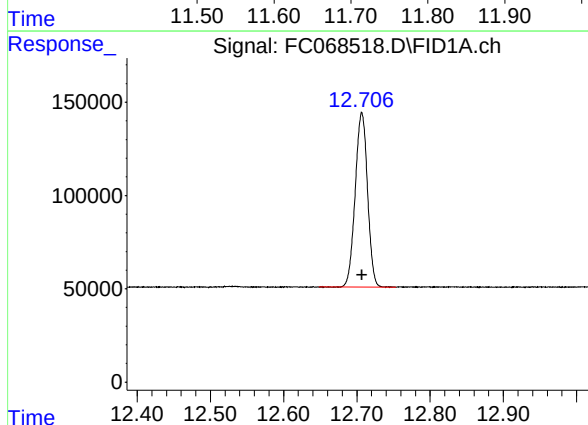
R.T.: 11.396 min
Delta R.T.: 0.000 min
Response: 1115425
Conc: 11.15 ug/ml



#9 ortho-Terphenyl (SURR)

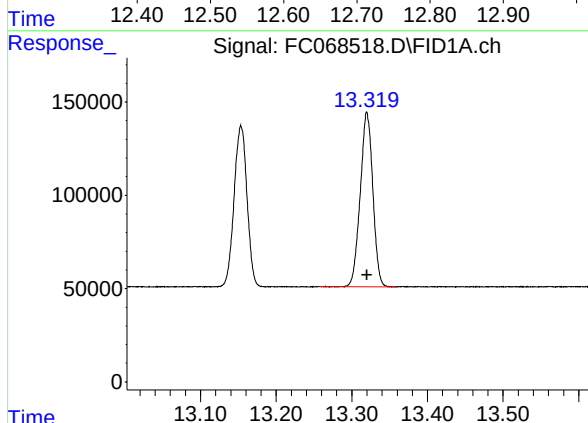
R.T.: 11.720 min
Delta R.T.: 0.000 min
Response: 1388282
Conc: 10.98 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



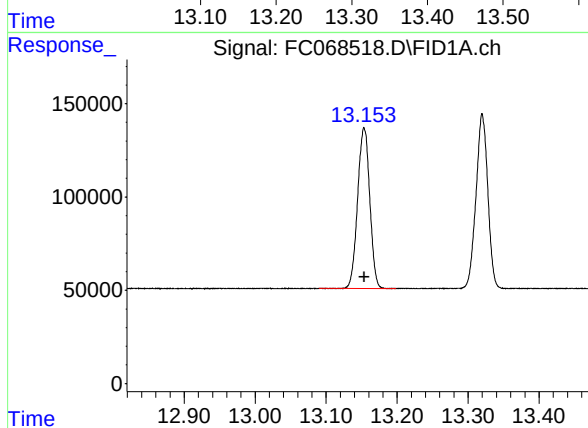
#10 n-Eicosane (C20)

R.T.: 12.707 min
Delta R.T.: 0.000 min
Response: 1092518
Conc: 11.15 ug/ml



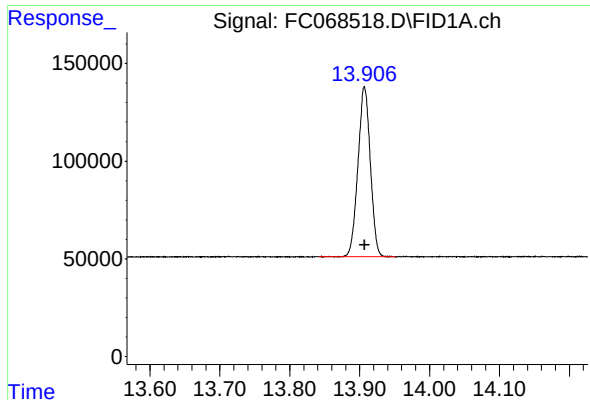
#11 n-Heneicosane (C21)

R.T.: 13.320 min
Delta R.T.: 0.000 min
Response: 1082284
Conc: 11.15 ug/ml



#12 1-chlorooctadecane (SURR)

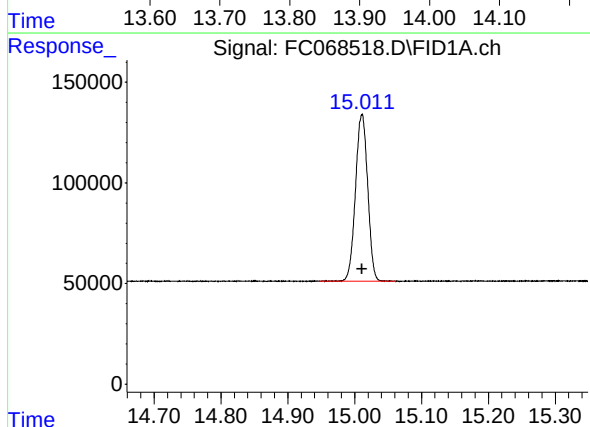
R.T.: 13.154 min
Delta R.T.: 0.000 min
Response: 1026505
Conc: 11.08 ug/ml



#13 n-Docosane (C22)

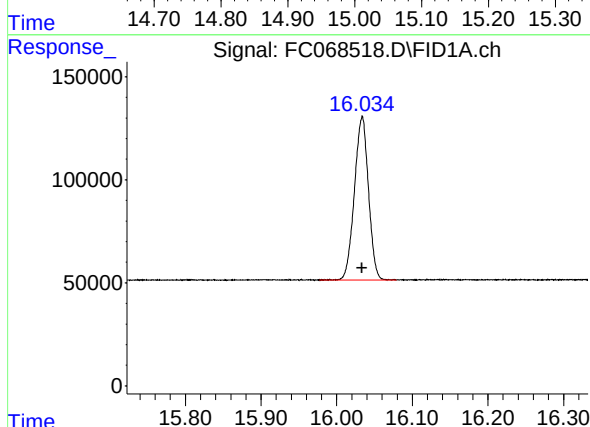
R.T.: 13.907 min
Delta R.T.: 0.000 min
Response: 1070404
Conc: 11.12 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



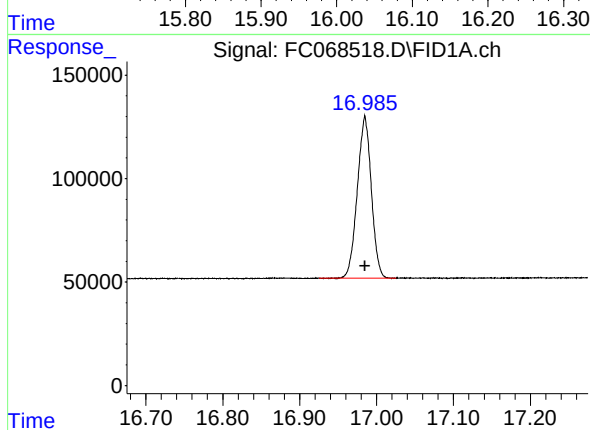
#14 n-Tetracosane (C24)

R.T.: 15.011 min
Delta R.T.: 0.000 min
Response: 1051523
Conc: 11.08 ug/ml



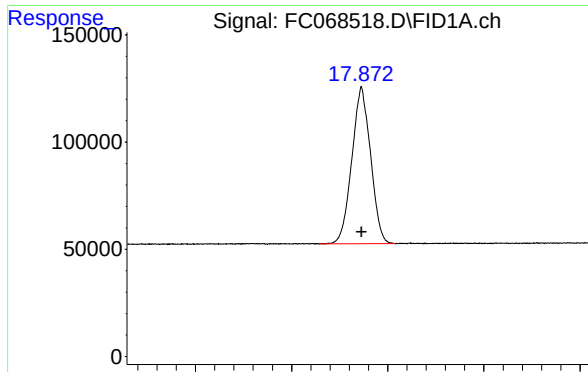
#15 n-Hexacosane (C26)

R.T.: 16.034 min
Delta R.T.: 0.000 min
Response: 1022441
Conc: 10.97 ug/ml



#16 n-Octacosane (C28)

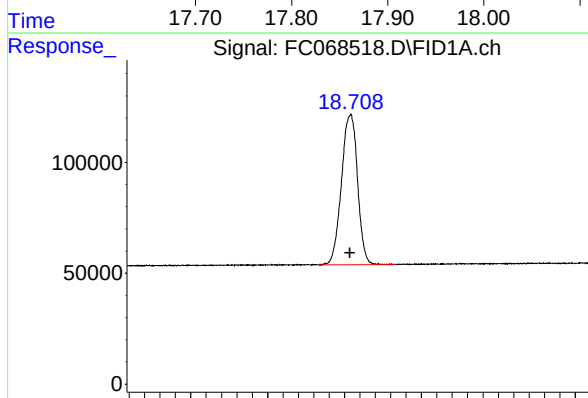
R.T.: 16.985 min
Delta R.T.: 0.000 min
Response: 993075
Conc: 10.89 ug/ml



#17 n-Tricontane (C30)

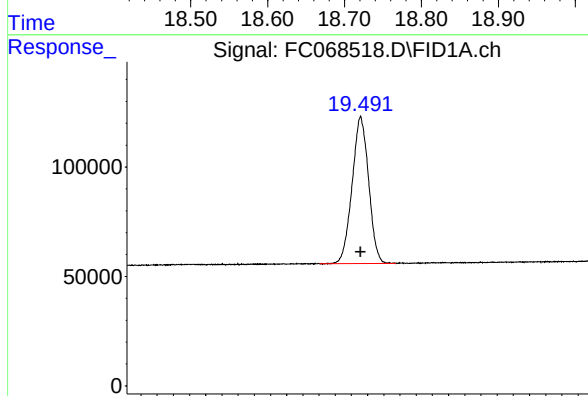
R.T.: 17.873 min
Delta R.T.: 0.000 min
Response: 990582
Conc: 10.83 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



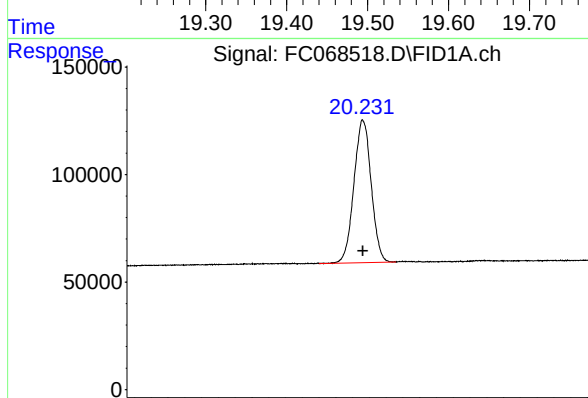
#18 n-Dotriacontane (C32)

R.T.: 18.707 min
Delta R.T.: 0.000 min
Response: 985052
Conc: 10.82 ug/ml



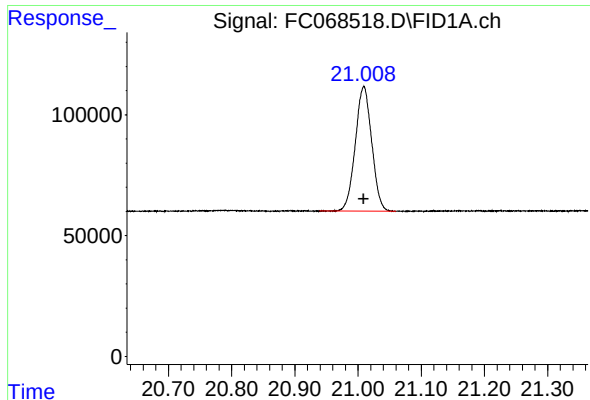
#19 n-Tetatriacontane (C34)

R.T.: 19.492 min
Delta R.T.: 0.000 min
Response: 949339
Conc: 10.71 ug/ml



#20 n-Hexatriacontane (C36)

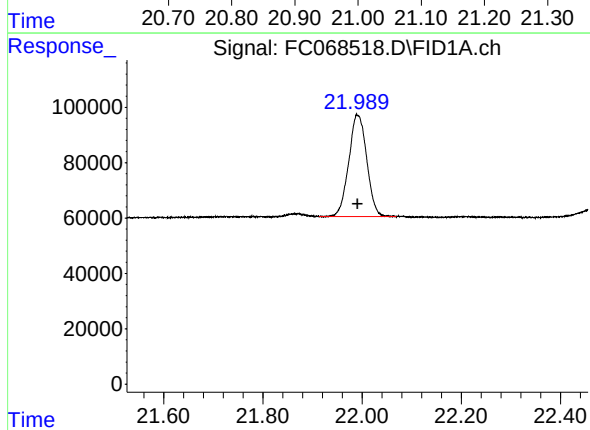
R.T.: 20.233 min
Delta R.T.: 0.000 min
Response: 947135
Conc: 10.65 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.009 min
Delta R.T.: 0.000 min
Response: 932368
Conc: 10.63 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



#22 n-Tetracontane (C40)

R.T.: 21.991 min
Delta R.T.: 0.000 min
Response: 924309
Conc: 10.56 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040925AL\
Data File : FC068518.D
Signal(s) : FID1A.ch
Acq On : 08 Apr 2025 16:12
Sample : 10 PPM ALIPHATIC HC STD4
Misc :
ALS Vial : 14 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040925.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	3.450	3.393	3.498	BB	136592	1136561	81.87%	4.786%
2	4.525	4.468	4.572	BB	128280	1140863	82.18%	4.804%
3	6.124	6.065	6.160	BB	137899	1256563	90.51%	5.291%
4	6.551	6.493	6.583	BB	119252	1144968	82.47%	4.821%
5	7.181	7.125	7.212	BB	129998	1247891	89.89%	5.255%
6	8.348	8.292	8.387	BB	107295	1128652	81.30%	4.752%
7	9.952	9.887	9.998	BB	103764	1124488	81.00%	4.735%
8	11.396	11.342	11.445	BB	96197	1115425	80.35%	4.697%
9	11.720	11.658	11.758	BB	129278	1388282	100.00%	5.846%
10	12.707	12.648	12.753	BB	93709	1092518	78.70%	4.600%
11	13.154	13.090	13.198	BB	86387	1026505	73.94%	4.322%
12	13.320	13.257	13.358	BB	93486	1082284	77.96%	4.557%
13	13.907	13.842	13.952	BB	86937	1070404	77.10%	4.507%
14	15.011	14.947	15.062	BB	82738	1051523	75.74%	4.428%
15	16.034	15.990	16.078	BB	79228	1020144	73.48%	4.296%
16	16.985	16.925	17.025	BB	78376	993075	71.53%	4.182%
17	17.873	17.828	17.908	BB	73117	990582	71.35%	4.171%
18	18.707	18.667	18.767	BB	67397	985052	70.95%	4.148%
19	19.492	19.440	19.535	BB	67160	949339	68.38%	3.997%
20	20.233	20.180	20.272	BB	66319	947135	68.22%	3.988%
21	21.009	20.938	21.060	BB	51593	932368	67.16%	3.926%
22	21.991	21.913	22.068	BB	36350	924309	66.58%	3.892%
Sum of corrected areas:							23748929	

Aliphatic EPH 040925.M Wed Apr 09 02:03:17 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040925AL\
 Data File : FC068519.D
 Signal(s) : FID1A.ch
 Acq On : 08 Apr 2025 16:48
 Operator : YP/AJ
 Sample : 5 PPM ALIPHATIC HC STD5
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 5 PPM ALIPHATIC HC STD5

Integration File: autoint1.e
 Quant Time: Apr 08 17:30:54 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040925.M
 Quant Title : GC Extractables
 QLast Update : Tue Apr 08 17:30:46 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.719	654057	5.136 ug/ml
Spiked Amount 50.000		Recovery =	10.27%
12) S 1-chlorooctadecane (S...	13.152	470010	5.060 ug/ml
Spiked Amount 50.000		Recovery =	10.12%
Target Compounds			
1) T n-Nonane (C9)	3.449	550187	5.224 ug/ml
2) T n-Decane (C10)	4.525	549045	5.211 ug/ml
3) T A~Naphthalene (C11.7)	6.124	606085	5.204 ug/ml
4) T n-Dodecane (C12)	6.550	546064	5.193 ug/ml
5) T A~2-methylnaphthalene...	7.181	598007	5.178 ug/ml
6) T n-Tetradecane (C14)	8.348	531626	5.171 ug/ml
7) T n-Hexadecane (C16)	9.951	524477	5.150 ug/ml
8) T n-Octadecane (C18)	11.395	515183	5.119 ug/ml
10) T n-Eicosane (C20)	12.706	498787	5.071 ug/ml
11) T n-Heneicosane (C21)	13.318	495018	5.079 ug/ml
13) T n-Docosane (C22)	13.905	490416	5.077 ug/ml
14) T n-Tetracosane (C24)	15.010	482111	5.065 ug/ml
15) T n-Hexacosane (C26)	16.032	471652	5.050 ug/ml
16) T n-Octacosane (C28)	16.984	464643	5.075 ug/ml
17) T n-Tricontane (C30)	17.871	469479	5.107 ug/ml
18) T n-Dotriacontane (C32)	18.706	471859	5.144 ug/ml
19) T n-Tetratriacontane (C34)	19.492	460798	5.158 ug/ml
20) T n-Hexatriacontane (C36)	20.232	461012	5.146 ug/ml
21) T n-Octatriacontane (C38)	21.009	455897	5.156 ug/ml
22) T n-Tetracontane (C40)	21.989	457120	5.177 ug/ml

(f)=RT Delta > 1/2 Window

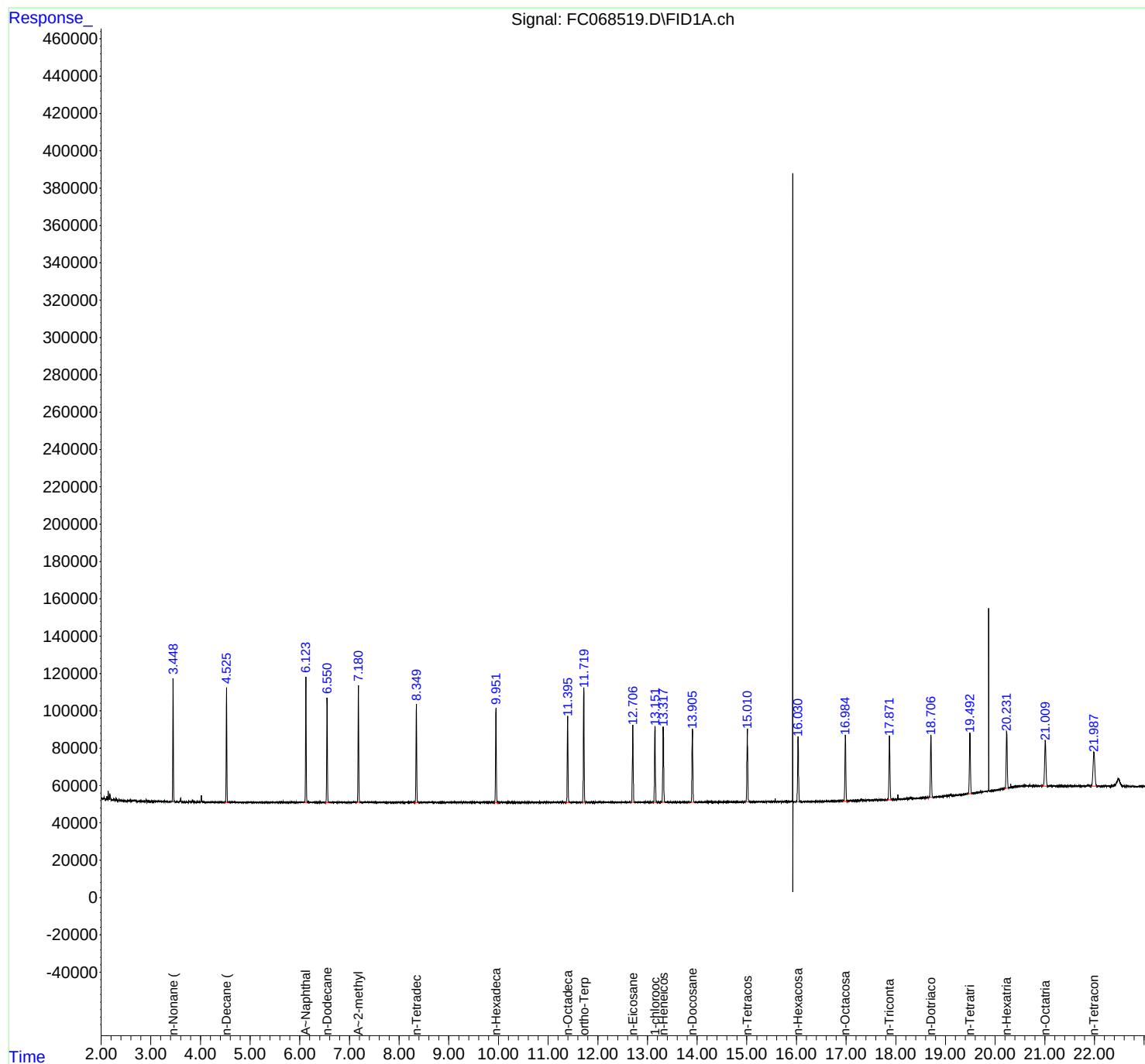
(m)=manual int.

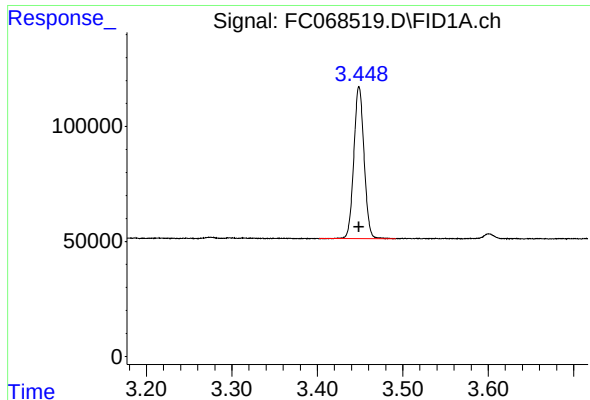
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040925AL\
Data File : FC068519.D
Signal(s) : FID1A.ch
Acq On : 08 Apr 2025 16:48
Operator : YP/AJ
Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5

Integration File: autoint1.e
Quant Time: Apr 08 17:30:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040925.M
Quant Title : GC Extractables
QLast Update : Tue Apr 08 17:30:46 2025
Response via : Initial Calibration
Integrator: ChemStation

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

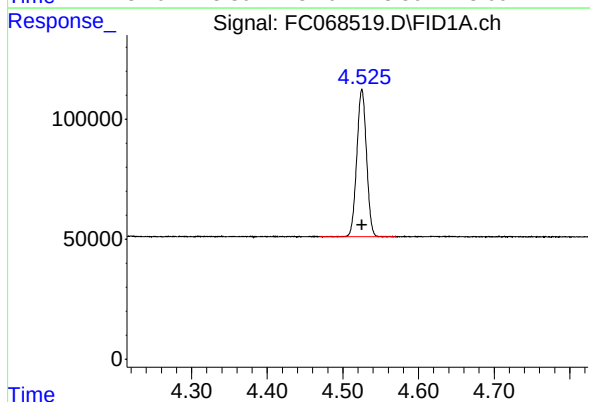




#1 n-Nonane (C9)

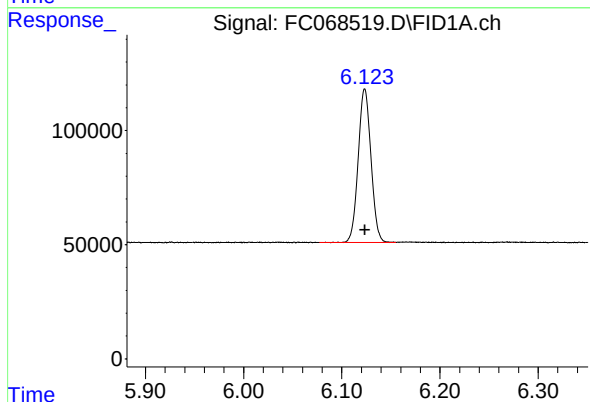
R.T.: 3.449 min
Delta R.T.: 0.000 min
Response: 550187
Conc: 5.22 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



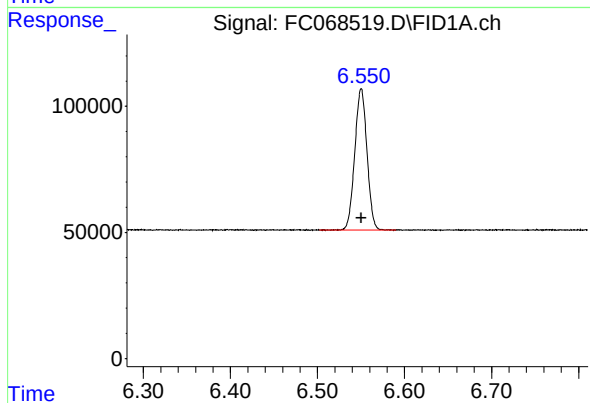
#2 n-Decane (C10)

R.T.: 4.525 min
Delta R.T.: 0.000 min
Response: 549045
Conc: 5.21 ug/ml



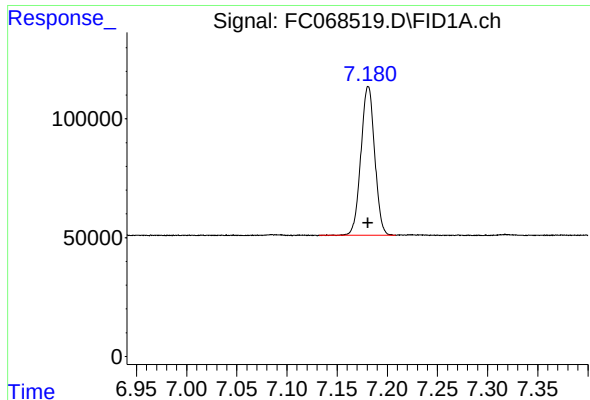
#3 A~Naphthalene (C11.7)

R.T.: 6.124 min
Delta R.T.: 0.000 min
Response: 606085
Conc: 5.20 ug/ml



#4 n-Dodecane (C12)

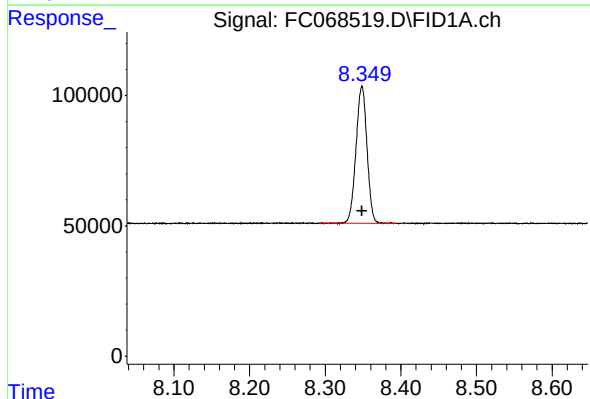
R.T.: 6.550 min
Delta R.T.: 0.000 min
Response: 546064
Conc: 5.19 ug/ml



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

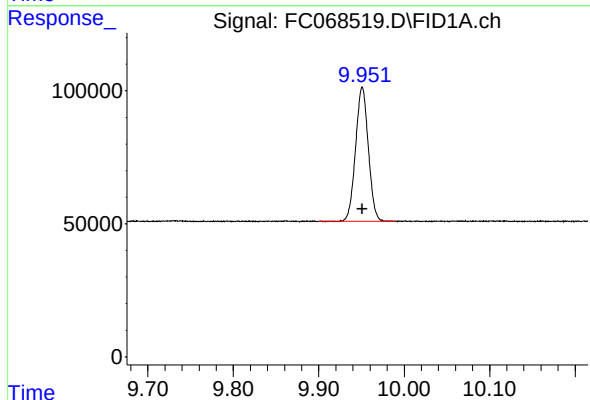
R.T.: 7.181 min
Delta R.T.: 0.000 min
Response: 598007
Conc: 5.18 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



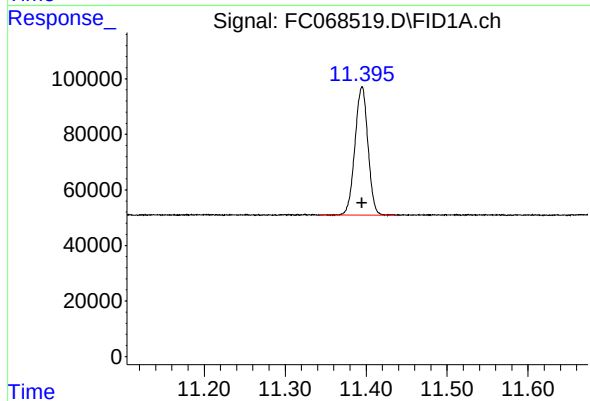
#6 n-Tetradecane (C14)

R.T.: 8.348 min
Delta R.T.: 0.000 min
Response: 531626
Conc: 5.17 ug/ml



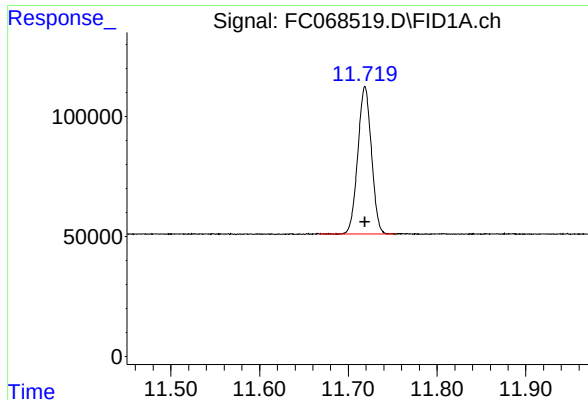
#7 n-Hexadecane (C16)

R.T.: 9.951 min
Delta R.T.: 0.000 min
Response: 524477
Conc: 5.15 ug/ml



#8 n-Octadecane (C18)

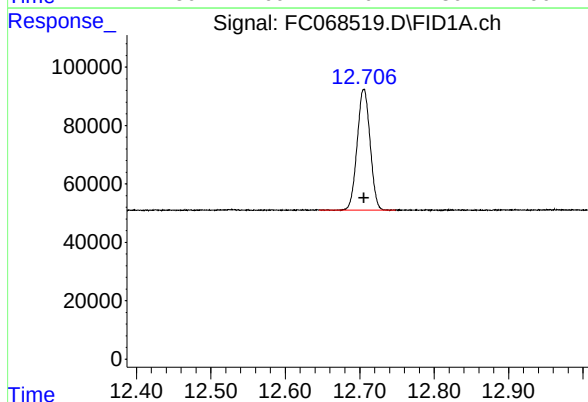
R.T.: 11.395 min
Delta R.T.: 0.000 min
Response: 515183
Conc: 5.12 ug/ml



#9 ortho-Terphenyl (SURR)

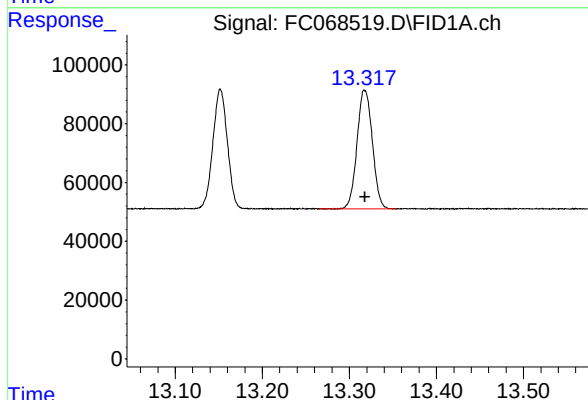
R.T.: 11.719 min
Delta R.T.: 0.000 min
Response: 654057
Conc: 5.14 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



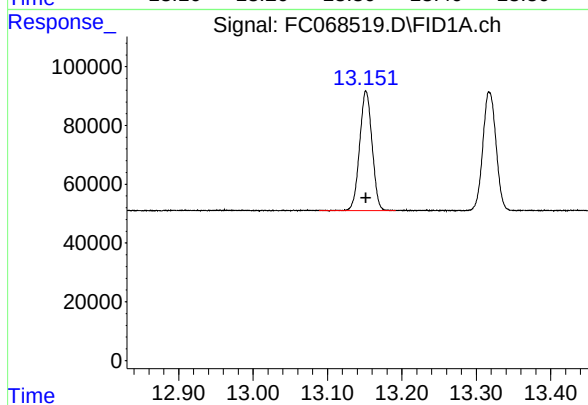
#10 n-Eicosane (C20)

R.T.: 12.706 min
Delta R.T.: 0.000 min
Response: 498787
Conc: 5.07 ug/ml



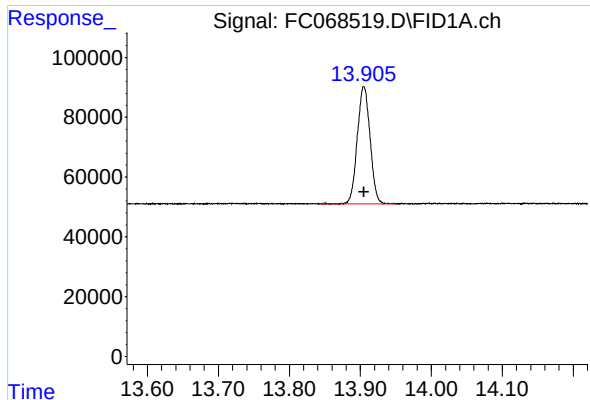
#11 n-Heneicosane (C21)

R.T.: 13.318 min
Delta R.T.: 0.000 min
Response: 495018
Conc: 5.08 ug/ml



#12 1-chlorooctadecane (SURR)

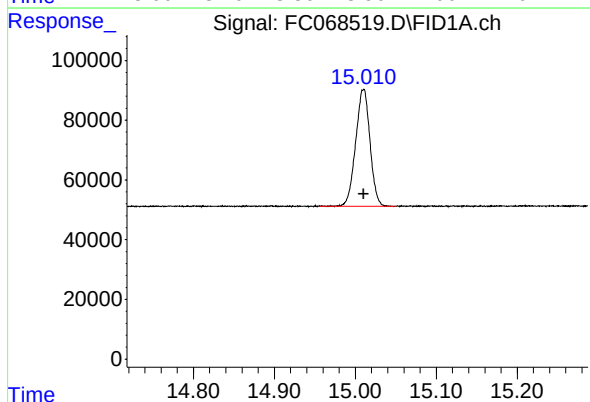
R.T.: 13.152 min
Delta R.T.: 0.000 min
Response: 470010
Conc: 5.06 ug/ml



#13 n-Docosane (C22)

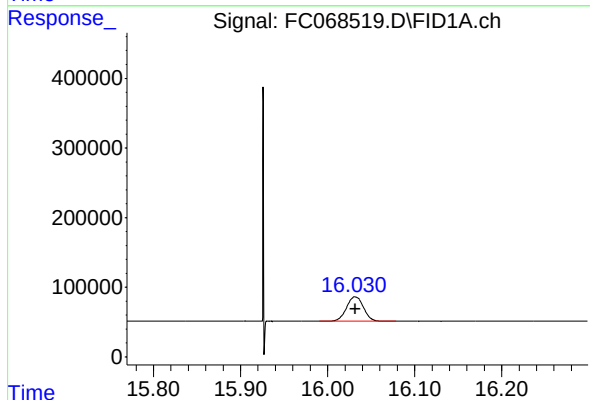
R.T.: 13.905 min
Delta R.T.: 0.000 min
Response: 490416
Conc: 5.08 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



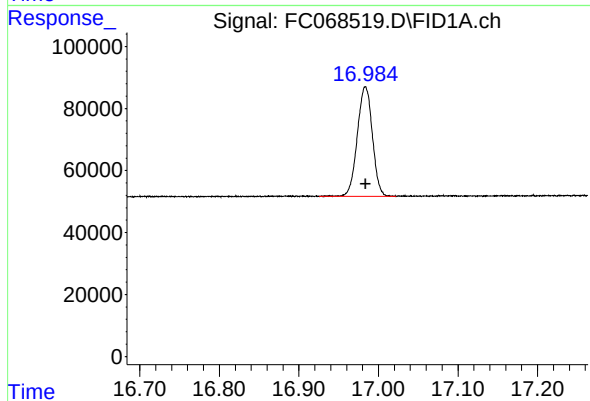
#14 n-Tetracosane (C24)

R.T.: 15.010 min
Delta R.T.: 0.000 min
Response: 482111
Conc: 5.07 ug/ml



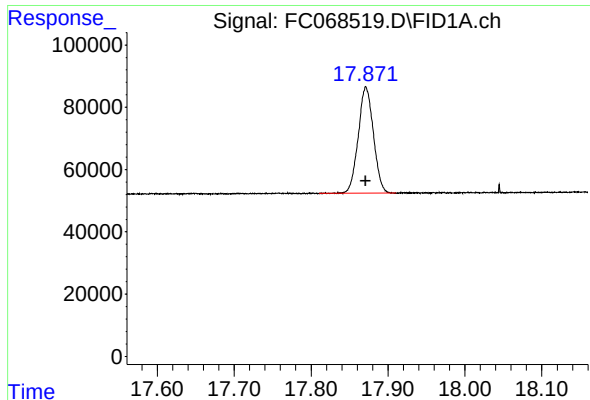
#15 n-Hexacosane (C26)

R.T.: 16.032 min
Delta R.T.: 0.000 min
Response: 471652
Conc: 5.05 ug/ml



#16 n-Octacosane (C28)

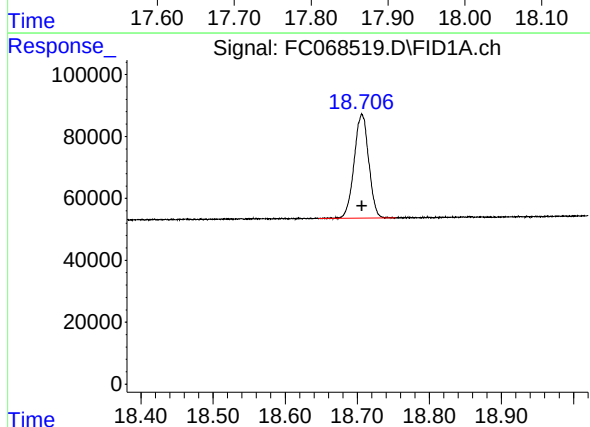
R.T.: 16.984 min
Delta R.T.: 0.000 min
Response: 464643
Conc: 5.07 ug/ml



#17 n-Tricontane (C30)

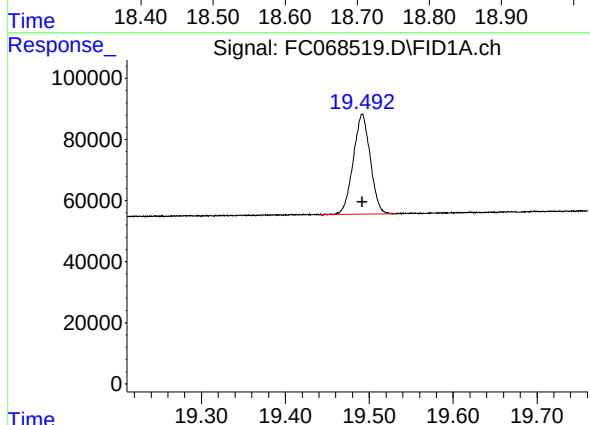
R.T.: 17.871 min
Delta R.T.: 0.000 min
Response: 469479
Conc: 5.11 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



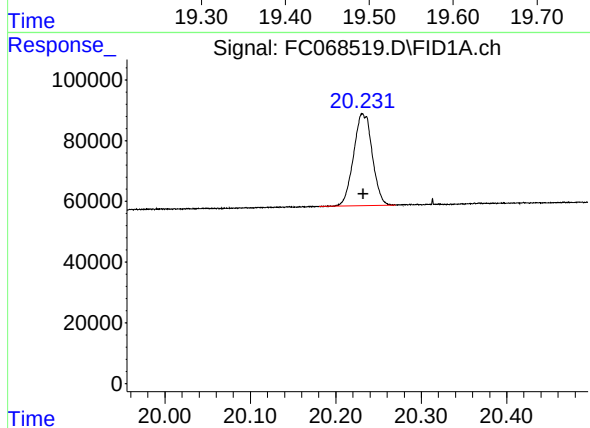
#18 n-Dotriacontane (C32)

R.T.: 18.706 min
Delta R.T.: 0.000 min
Response: 471859
Conc: 5.14 ug/ml



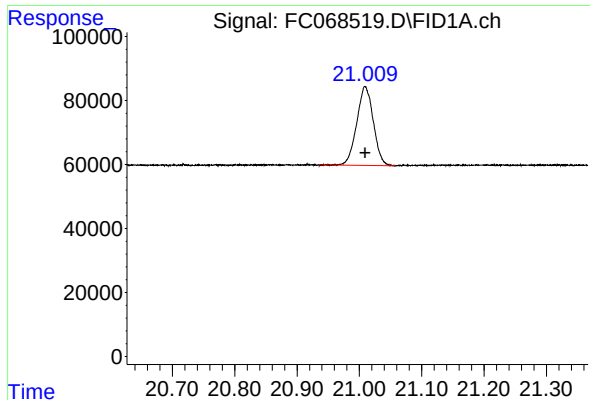
#19 n-Tetatriacontane (C34)

R.T.: 19.492 min
Delta R.T.: 0.000 min
Response: 460798
Conc: 5.16 ug/ml



#20 n-Hexatriacontane (C36)

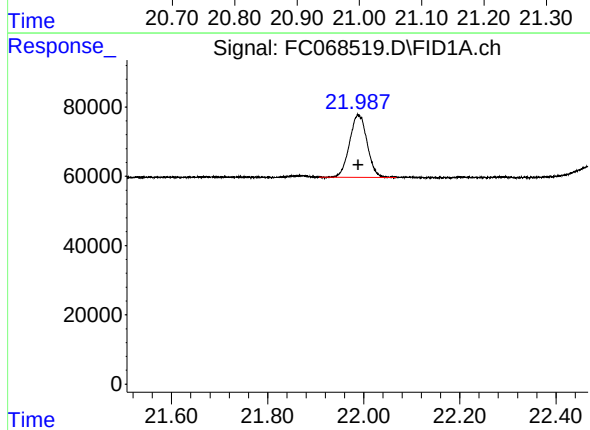
R.T.: 20.232 min
Delta R.T.: 0.000 min
Response: 461012
Conc: 5.15 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.009 min
Delta R.T.: 0.000 min
Response: 455897
Conc: 5.16 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



#22 n-Tetracontane (C40)

R.T.: 21.989 min
Delta R.T.: 0.000 min
Response: 457120
Conc: 5.18 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040925AL\
 Data File : FC068519.D
 Signal(s) : FID1A.ch
 Acq On : 08 Apr 2025 16:48
 Sample : 5 PPM ALIPHATIC HC STD5
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040925.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	3.449	3.402	3.492	BB	66232	550187	84.12%	4.902%
2	4.525	4.469	4.570	BB	61433	549045	83.94%	4.892%
3	6.124	6.077	6.155	BB	67157	606085	92.67%	5.400%
4	6.550	6.502	6.590	BB	56117	546064	83.49%	4.865%
5	7.181	7.132	7.209	BB	62637	598007	91.43%	5.328%
6	8.348	8.292	8.394	BB	52506	531626	81.28%	4.737%
7	9.951	9.900	9.990	BB	50448	524477	80.19%	4.673%
8	11.395	11.342	11.437	BB	46359	515183	78.77%	4.590%
9	11.719	11.667	11.754	BB	61429	654057	100.00%	5.828%
10	12.706	12.645	12.749	BB	41337	498787	76.26%	4.444%
11	13.152	13.089	13.192	BB	40685	470010	71.86%	4.188%
12	13.318	13.265	13.354	BB	40194	495018	75.68%	4.411%
13	13.905	13.842	13.950	BB	39220	490416	74.98%	4.370%
14	15.010	14.955	15.050	BB	39129	482111	73.71%	4.296%
15	16.032	15.990	16.079	BB	34767	471652	72.11%	4.202%
16	16.984	16.925	17.022	BB	35366	464643	71.04%	4.140%
17	17.871	17.810	17.910	BB	34125	469479	71.78%	4.183%
18	18.706	18.647	18.754	BB	33576	471859	72.14%	4.204%
19	19.492	19.440	19.532	BB	32784	460798	70.45%	4.106%
20	20.232	20.180	20.270	BB	30000	461012	70.48%	4.108%
21	21.009	20.935	21.059	BB	24672	455897	69.70%	4.062%
22	21.989	21.907	22.067	BB	17907	457120	69.89%	4.073%
Sum of corrected areas:							11223533	

Aliphatic EPH 040925.M Wed Apr 09 02:04:09 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040925AL\
 Data File : FC068520.D
 Signal(s) : FID1A.ch
 Acq On : 08 Apr 2025 17:26
 Operator : YP/AJ
 Sample : 20 PPM ALIPHATIC HC STD ICV
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 20 PPM ALIPHATIC HC STD ICV

Integration File: autoint1.e
 Quant Time: Apr 08 18:06:14 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040925.M
 Quant Title : GC Extractables
 QLast Update : Tue Apr 08 17:31:27 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)	11.722	2509889	19.710 ug/ml
Spiked Amount 50.000		Recovery =	39.42%
12) S 1-chlorooctadecane (S...	13.154	1813783	19.525 ug/ml
Spiked Amount 50.000		Recovery =	39.05%
Target Compounds			
1) T n-Nonane (C9)	3.450	2152986	20.442 ug/ml
2) T n-Decane (C10)	4.526	2151620	20.422 ug/ml
3) T A~Naphthalene (C11.7)	6.124	2370053	20.351 ug/ml
4) T n-Dodecane (C12)	6.551	2138499	20.335 ug/ml
5) T A~2-methylnaphthalene...	7.182	2340318	20.263 ug/ml
6) T n-Tetradecane (C14)	8.349	2073539	20.170 ug/ml
7) T n-Hexadecane (C16)	9.952	2031391	19.947 ug/ml
8) T n-Octadecane (C18)	11.397	1983646	19.712 ug/ml
10) T n-Eicosane (C20)	12.708	1924584	19.567 ug/ml
11) T n-Heneicosane (C21)	13.322	1900069	19.497 ug/ml
13) T n-Docosane (C22)	13.908	1874678	19.408 ug/ml
14) T n-Tetracosane (C24)	15.012	1840193	19.333 ug/ml
15) T n-Hexacosane (C26)	16.035	1805920	19.334 ug/ml
16) T n-Octacosane (C28)	16.986	1775159	19.388 ug/ml
17) T n-Tricontane (C30)	17.874	1789949	19.470 ug/ml
18) T n-Dotriacontane (C32)	18.709	1790701	19.522 ug/ml
19) T n-Tetratriacontane (C34)	19.494	1754814	19.642 ug/ml
20) T n-Hexatriacontane (C36)	20.234	1766416	19.719 ug/ml
21) T n-Octatriacontane (C38)	21.013	1737168	19.648 ug/ml
22) T n-Tetracontane (C40)	21.995	1737661	19.678 ug/ml

(f)=RT Delta > 1/2 Window

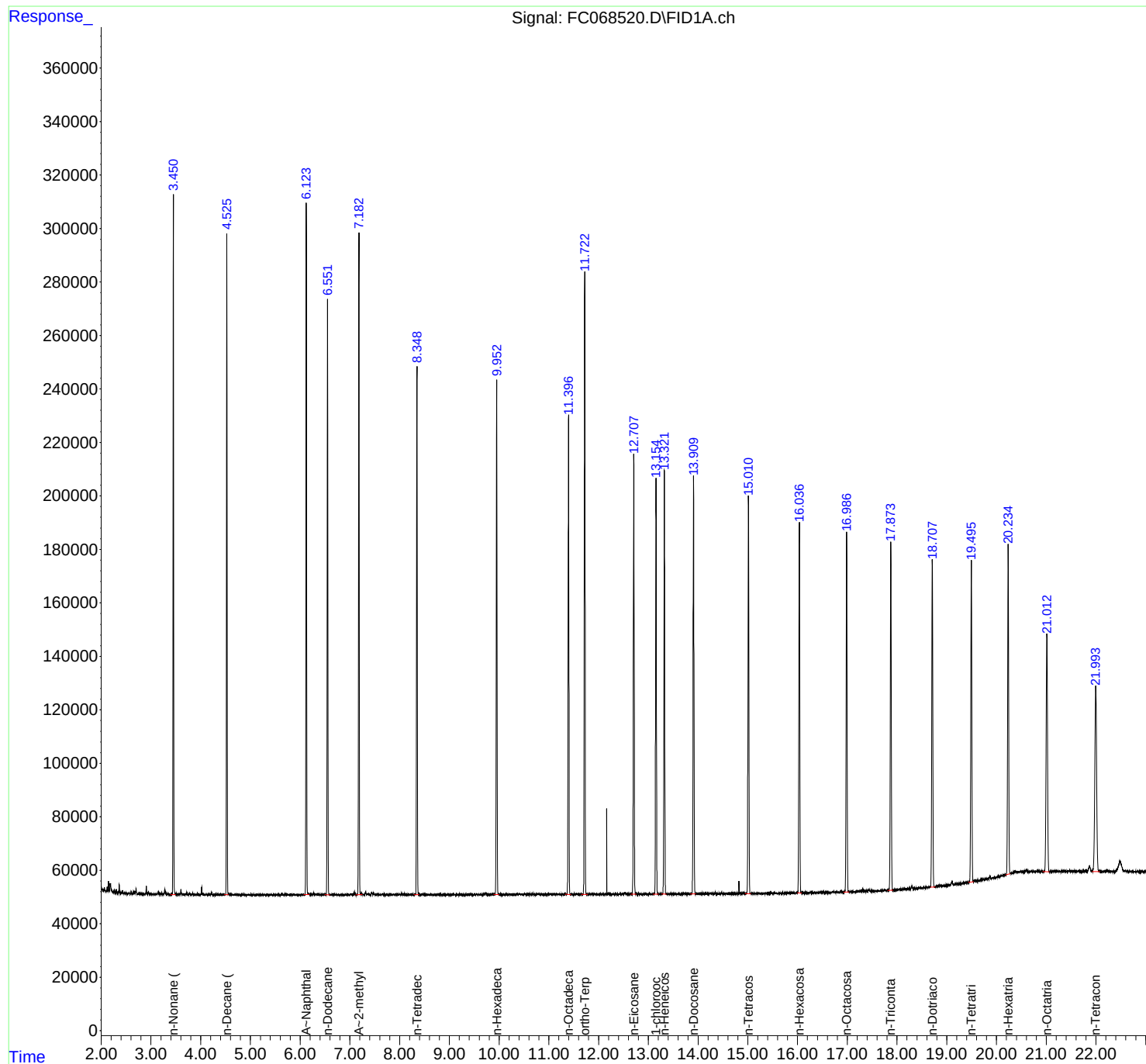
(m)=manual int.

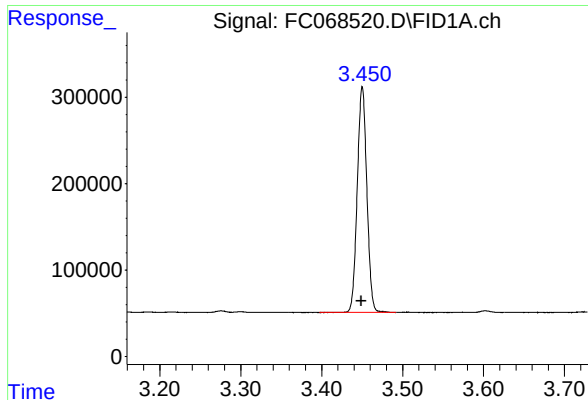
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040925AL\
Data File : FC068520.D
Signal(s) : FID1A.ch
Acq On : 08 Apr 2025 17:26
Operator : YP/AJ
Sample : 20 PPM ALIPHATIC HC STD ICV
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV

Integration File: autoint1.e
Quant Time: Apr 08 18:06:14 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040925.M
Quant Title : GC Extractables
QLast Update : Tue Apr 08 17:31:27 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)

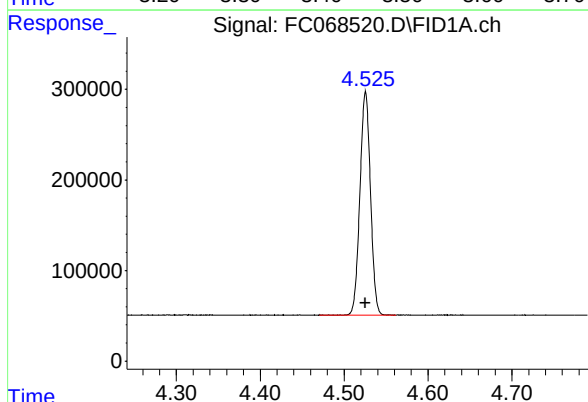
R.T.: 3.450 min
Delta R.T.: 0.001 min
Response: 2152986
Conc: 20.44 ug/ml

Instrument :

FID_C

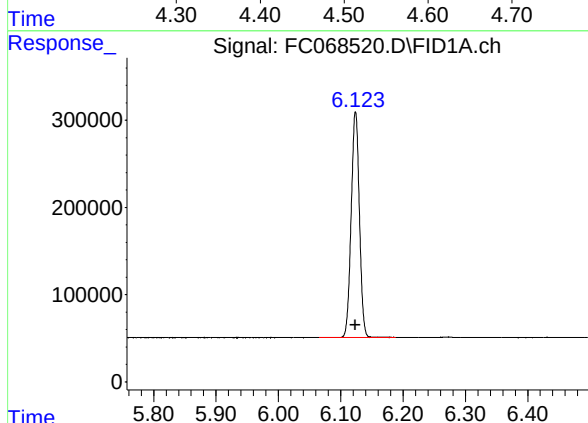
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



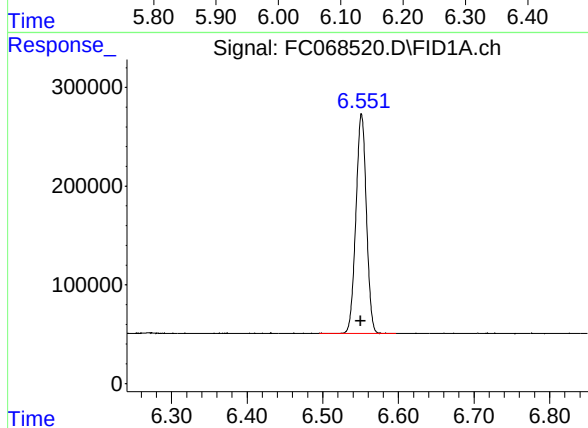
#2 n-Decane (C10)

R.T.: 4.526 min
Delta R.T.: 0.000 min
Response: 2151620
Conc: 20.42 ug/ml



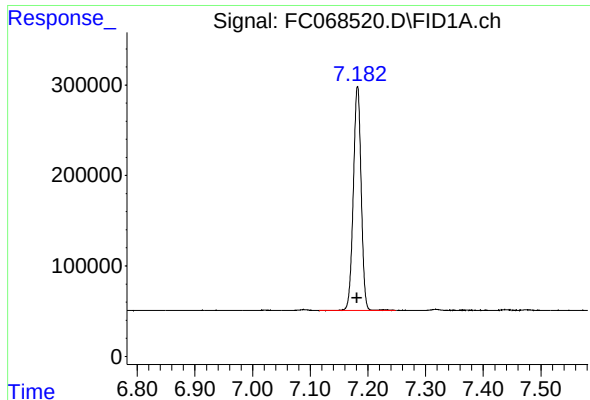
#3 A~Naphthalene (C11.7)

R.T.: 6.124 min
Delta R.T.: 0.000 min
Response: 2370053
Conc: 20.35 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.551 min
Delta R.T.: 0.000 min
Response: 2138499
Conc: 20.34 ug/ml



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

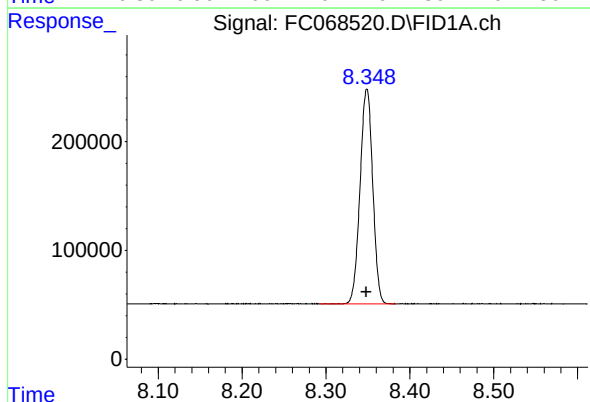
R.T.: 7.182 min
Delta R.T.: 0.001 min
Response: 2340318
Conc: 20.26 ug/ml

Instrument :

FID_C

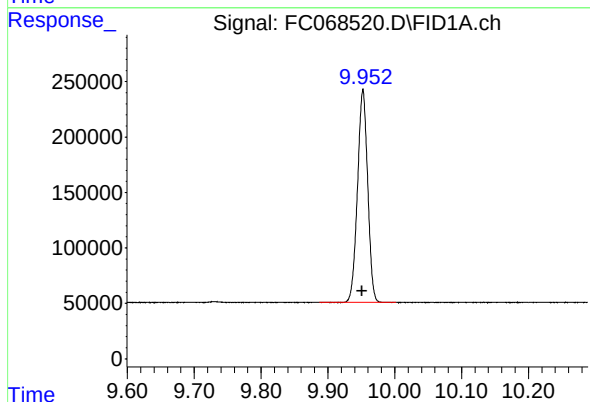
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



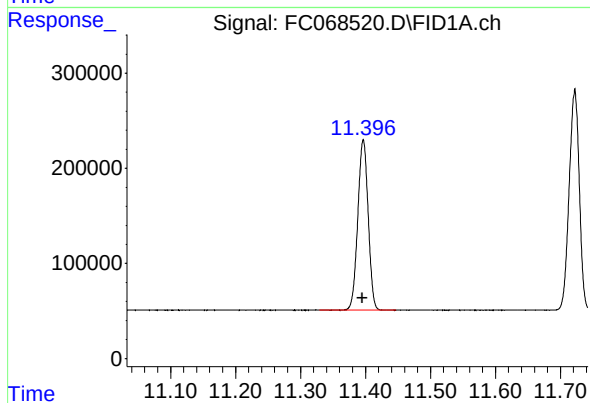
#6 n-Tetradecane (C14)

R.T.: 8.349 min
Delta R.T.: 0.000 min
Response: 2073539
Conc: 20.17 ug/ml



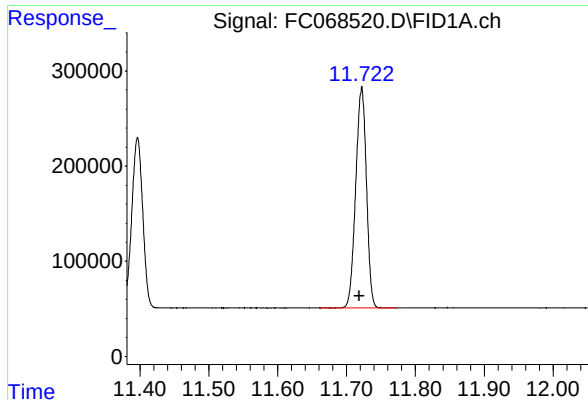
#7 n-Hexadecane (C16)

R.T.: 9.952 min
Delta R.T.: 0.001 min
Response: 2031391
Conc: 19.95 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.397 min
Delta R.T.: 0.002 min
Response: 1983646
Conc: 19.71 ug/ml



#9 ortho-Terphenyl (SURR)

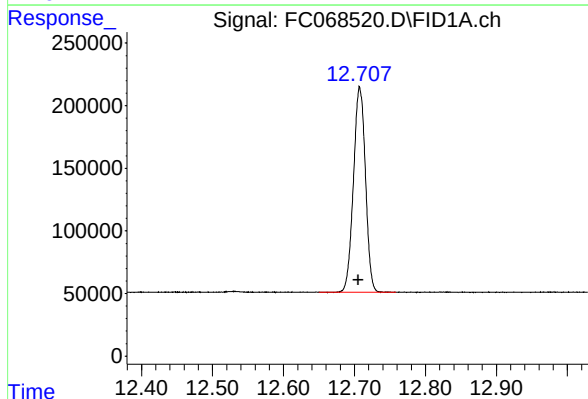
R.T.: 11.722 min
Delta R.T.: 0.003 min
Response: 2509889
Conc: 19.71 ug/ml

Instrument :

FID_C

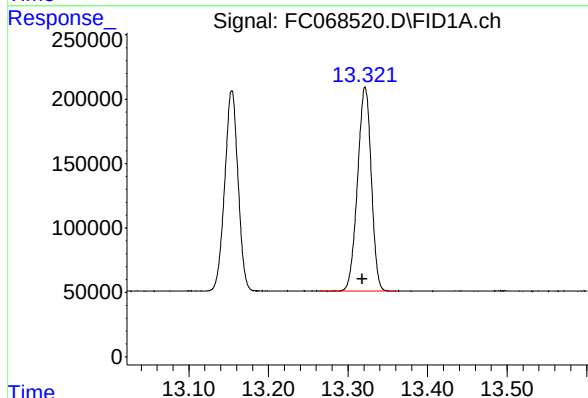
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



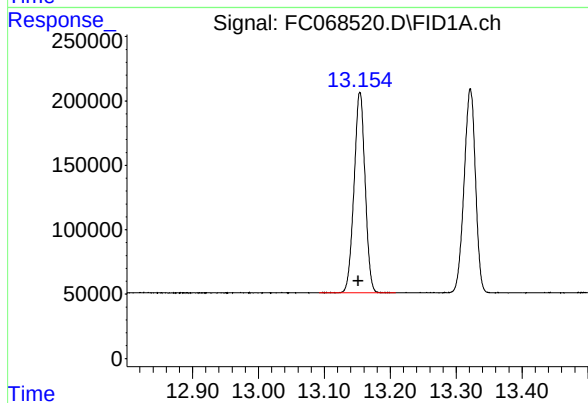
#10 n-Eicosane (C20)

R.T.: 12.708 min
Delta R.T.: 0.002 min
Response: 1924584
Conc: 19.57 ug/ml



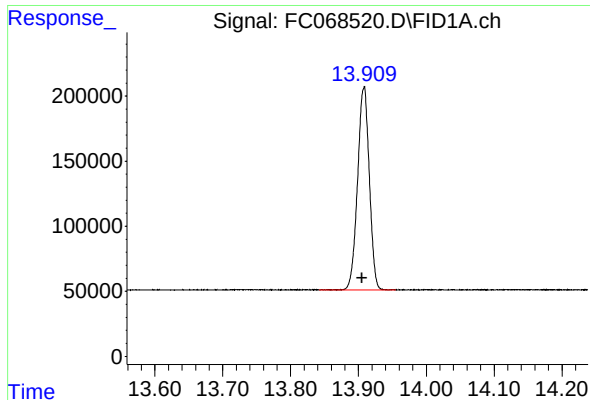
#11 n-Heneicosane (C21)

R.T.: 13.322 min
Delta R.T.: 0.004 min
Response: 1900069
Conc: 19.50 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.154 min
Delta R.T.: 0.002 min
Response: 1813783
Conc: 19.53 ug/ml



#13 n-Docosane (C22)

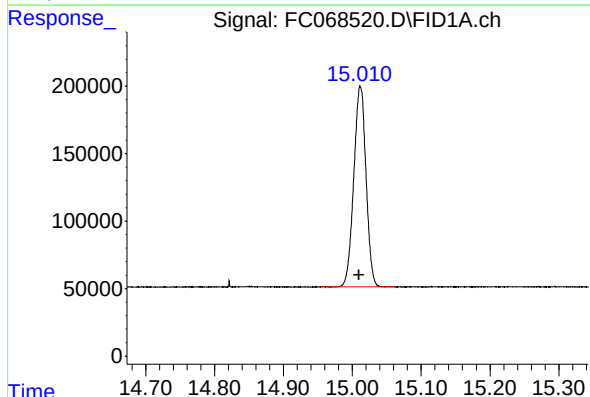
R.T.: 13.908 min
Delta R.T.: 0.003 min
Response: 1874678
Conc: 19.41 ug/ml

Instrument :

FID_C

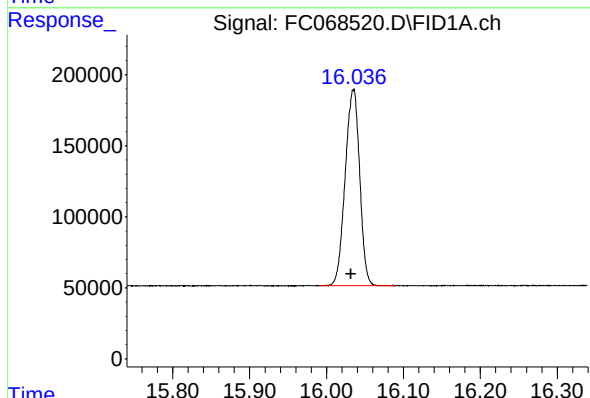
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



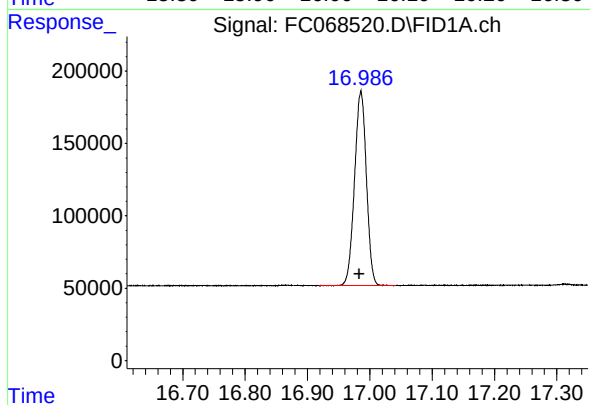
#14 n-Tetracosane (C24)

R.T.: 15.012 min
Delta R.T.: 0.002 min
Response: 1840193
Conc: 19.33 ug/ml



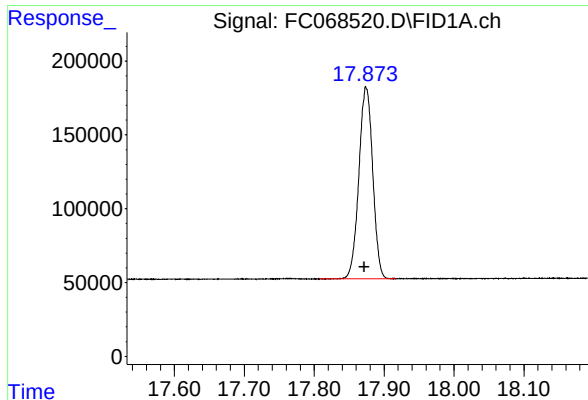
#15 n-Hexacosane (C26)

R.T.: 16.035 min
Delta R.T.: 0.003 min
Response: 1805920
Conc: 19.33 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.986 min
Delta R.T.: 0.002 min
Response: 1775159
Conc: 19.39 ug/ml



#17 n-Tricontane (C30)

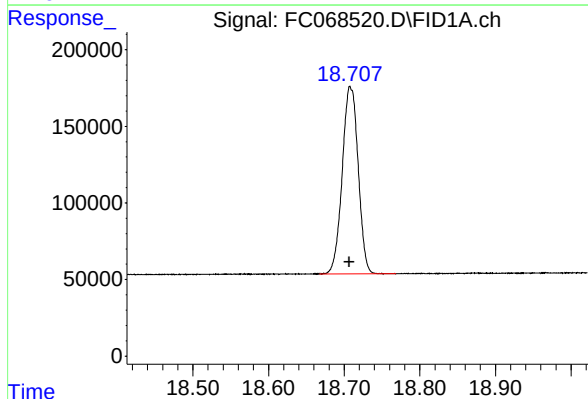
R.T.: 17.874 min
Delta R.T.: 0.003 min
Response: 1789949
Conc: 19.47 ug/ml

Instrument :

FID_C

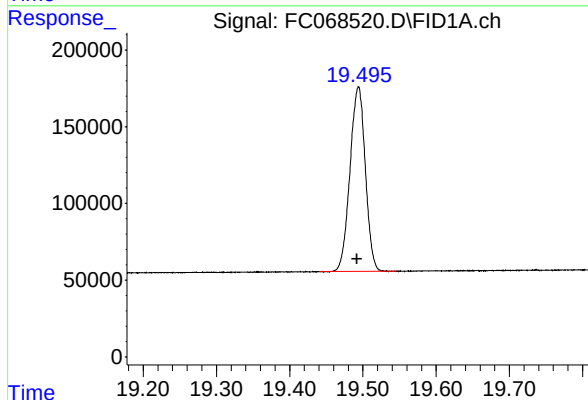
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



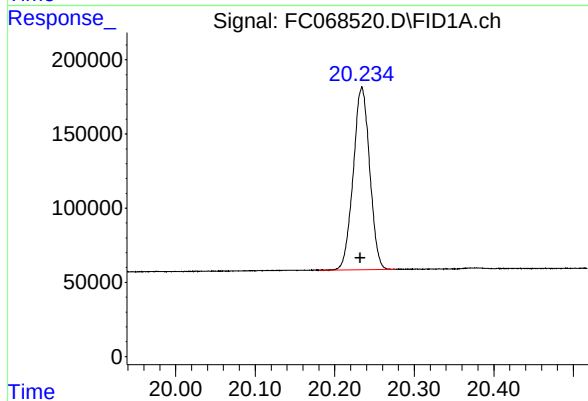
#18 n-Dotriacontane (C32)

R.T.: 18.709 min
Delta R.T.: 0.002 min
Response: 1790701
Conc: 19.52 ug/ml



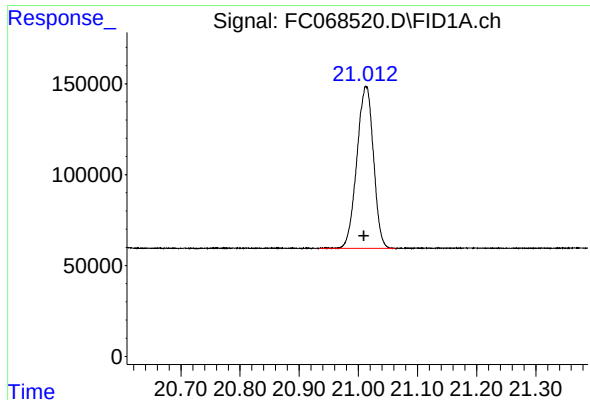
#19 n-Tetratriacontane (C34)

R.T.: 19.494 min
Delta R.T.: 0.002 min
Response: 1754814
Conc: 19.64 ug/ml



#20 n-Hexatriacontane (C36)

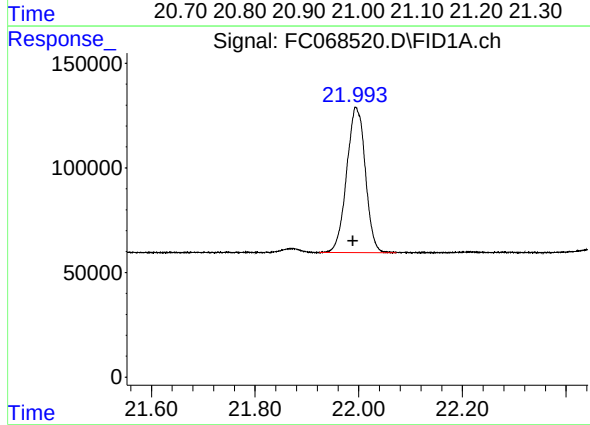
R.T.: 20.234 min
Delta R.T.: 0.002 min
Response: 1766416
Conc: 19.72 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.013 min
Delta R.T.: 0.004 min
Response: 1737168
Conc: 19.65 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



#22 n-Tetracontane (C40)

R.T.: 21.995 min
Delta R.T.: 0.006 min
Response: 1737661
Conc: 19.68 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040925AL\
Data File : FC068520.D
Signal(s) : FID1A.ch
Acq On : 08 Apr 2025 17:26
Sample : 20 PPM ALIPHATIC HC STD ICV
Misc :
ALS Vial : 16 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040925.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	3.450	3.397	3.492	BV	261815	2152986	85.78%	4.977%
2	4.526	4.470	4.562	BB	246519	2151620	85.73%	4.973%
3	6.124	6.065	6.189	BB	259162	2370053	94.43%	5.478%
4	6.551	6.495	6.597	BB	221869	2138499	85.20%	4.943%
5	7.182	7.115	7.249	BB	248160	2340318	93.24%	5.410%
6	8.349	8.292	8.384	BB	197952	2073539	82.61%	4.793%
7	9.952	9.887	10.002	BB	191548	2031391	80.94%	4.695%
8	11.397	11.329	11.447	BB	179415	1983646	79.03%	4.585%
9	11.722	11.660	11.772	BB	230868	2509889	100.00%	5.801%
10	12.708	12.650	12.759	BB	163927	1924584	76.68%	4.449%
11	13.154	13.092	13.209	BB	155654	1813783	72.27%	4.192%
12	13.322	13.264	13.360	BB	158466	1900069	75.70%	4.392%
13	13.908	13.842	13.955	BB	156193	1874678	74.69%	4.333%
14	15.012	14.952	15.064	BB	148360	1840193	73.32%	4.254%
15	16.035	15.990	16.090	BB	138007	1805920	71.95%	4.174%
16	16.986	16.919	17.042	BB	133594	1775159	70.73%	4.103%
17	17.874	17.807	17.917	BB	130326	1789949	71.32%	4.137%
18	18.709	18.667	18.769	BB	121479	1790701	71.35%	4.139%
19	19.494	19.440	19.545	BB	120222	1754814	69.92%	4.056%
20	20.234	20.180	20.277	BB	122561	1766416	70.38%	4.083%
21	21.013	20.934	21.064	BB	88867	1737168	69.21%	4.015%
22	21.995	21.924	22.072	BB	69207	1737661	69.23%	4.017%
Sum of corrected areas:							43263036	

Aliphatic EPH 040925.M Wed Apr 09 02:04:39 2025