

Initial Calibration Report for SequenceID : FC040225AL

AreaCount

Parameter Range	FC068487.D	FC068488.D	FC068489.D	FC068490.D	FC068491.D	
Aliphatic C9-C12	31367127.000	16130027.000	6778558.000	3641705.000	1827350.000	
Aliphatic C12-C16	20853084.000	10782879.000	4521531.000	2435718.000	1179147.000	
Aliphatic C16-C21	30321517.000	15706100.000	6611532.000	3549560.000	1753192.000	
Aliphatic C21-C28	39460175.000	19791819.000	8362333.000	4426042.000	2778833.000	
Aliphatic C28-C40	48104700.000	23485614.000	9405447.000	4618163.000	2799253.000	
Aliphatic EPH	170106603.000	85896439.000	35679401.000	18671188.000	10337775.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aliphatic C9-C12	113656.0139996	6.918				
Aliphatic C12-C16	112966.617	6.328				
Aliphatic C16-C21	110233.8779996	6.789				
Aliphatic C21-C28	110346.279	15.151				
Aliphatic C28-C40	81423.2843332	8.279				
Aliphatic EPH	101529.318444	8.166				

Concentration

Parameter Range	FC068487.D	FC068488.D	FC068489.D	FC068490.D	FC068491.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	FC068487.D	FC068488.D	FC068489.D	FC068490.D	FC068491.D	
Aliphatic C9-C12	104557.090000	107533.513333	112975.966666	121390.166666	121823.333333	
Aliphatic C12-C16	104265.420000	107828.790000	113038.275000	121785.900000	117914.700000	
Aliphatic C16-C21	101071.723333	104707.333333	110192.200000	118318.666666	116879.466666	

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Aliphatic C21-C28	98650.437500	98959.095000	104529.162500	110651.050000	138941.650000	
Aliphatic C28-C40	80174.500000	78285.380000	78378.725000	76969.383333	93308.433333	
Aliphatic EPH	94503.668333	95440.487777	99109.447222	103728.822222	114864.166666	

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040225AL\
 Data File : FC068487.D
 Signal(s) : FID1A.ch
 Acq On : 02 Apr 2025 15:55
 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 02 18:40:11 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040225.M
 Quant Title : GC Extractables
 QLast Update : Wed Apr 02 18:36:21 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)	11.724	11880180	95.656 ug/ml
Spiked Amount 50.000		Recovery =	191.31%
12) S 1-chlorooctadecane (S...	13.319	9868760	95.935 ug/ml
Spiked Amount 50.000		Recovery =	191.87%
Target Compounds			
1) T n-Nonane (C9)	3.452	10365720	96.196 ug/ml
2) T n-Decane (C10)	4.529	10521483	96.105 ug/ml
3) T A~Naphthalene (C11.7)	6.127	11665756	96.161 ug/ml
4) T n-Dodecane (C12)	6.555	10486955	96.034 ug/ml
5) T A~2-methylnaphthalene...	7.186	11170905	96.220 ug/ml
6) T n-Tetradecane (C14)	8.351	10270310	95.833 ug/ml
7) T n-Hexadecane (C16)	9.954	10571379	96.046 ug/ml
8) T n-Octadecane (C18)	11.398	10427644	95.368 ug/ml
10) T n-Eicosane (C20)	12.707	10010883	95.620 ug/ml
11) T n-Heneicosane (C21)	13.152	8643827	96.750 ug/ml
13) T n-Docosane (C22)	13.905	9857768	96.157 ug/ml
14) T n-Tetracosane (C24)	15.008	9949523	96.654 ug/ml
15) T n-Hexacosane (C26)	16.029	9895654	97.633 ug/ml
16) T n-Octacosane (C28)	16.978	9762020	98.466 ug/ml
17) T n-Tricontane (C30)	17.867	9828298	98.386 ug/ml
18) T n-Dotriacontane (C32)	18.699	9379832	98.492 ug/ml
19) T n-Tetratriacontane (C34)	19.482	8564585	99.243 ug/ml
20) T n-Hexatriacontane (C36)	20.220	7527188	100.403 ug/ml
21) T n-Octatriacontane (C38)	20.994	6779473	103.145 ug/ml
22) T n-Tetracontane (C40)	21.972	6015830	112.470 ug/ml

(f)=RT Delta > 1/2 Window

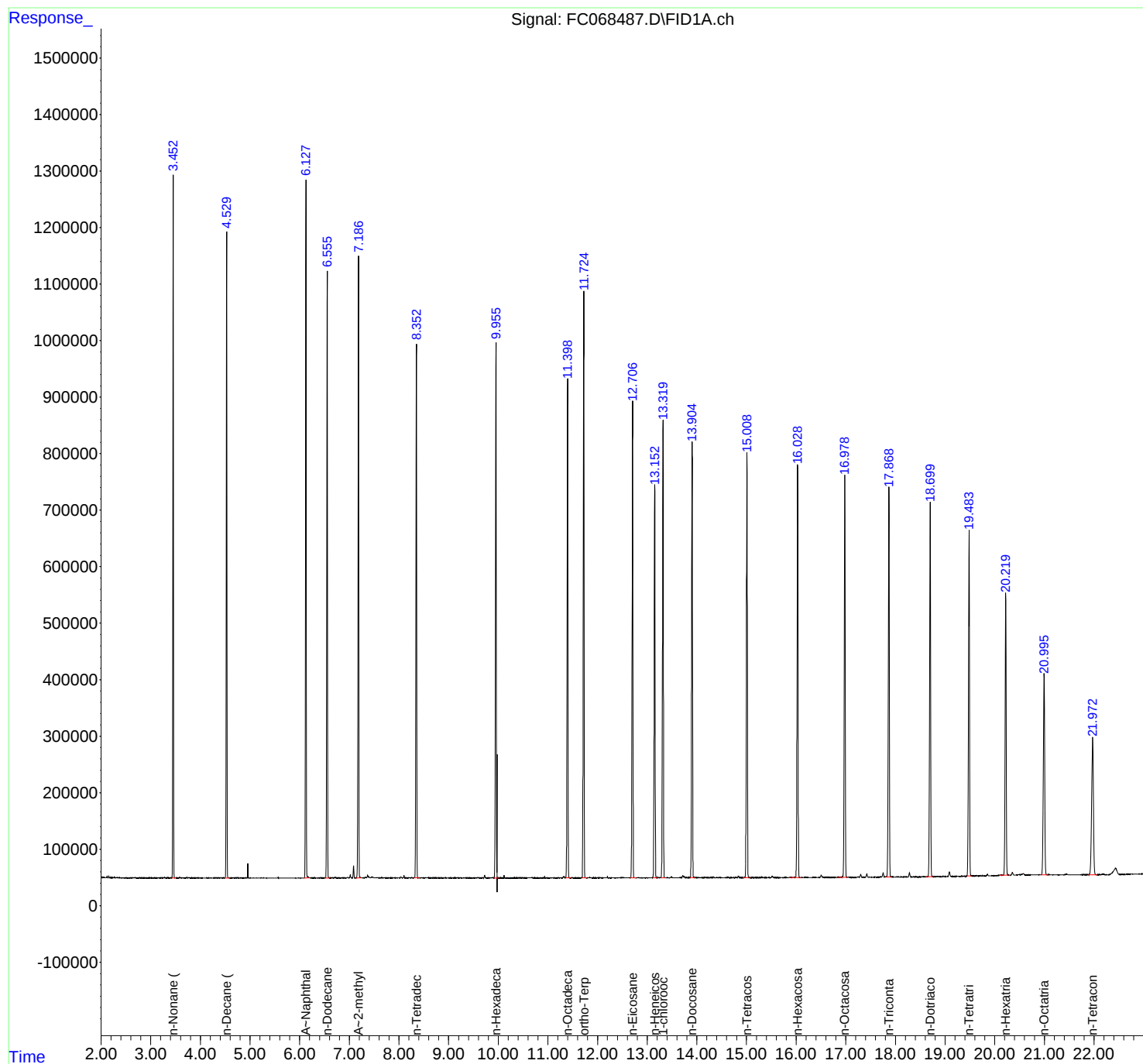
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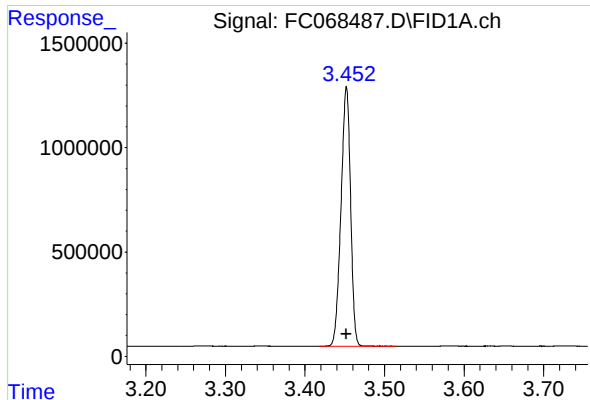
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Data File : FC068487.D
Signal(s) : FID1A.ch
Acq On : 02 Apr 2025 15:55
Operator : YP/AJ
Sample : 100 PPM ALIPHATIC HC STD1
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1

Integration File: autoint1.e
Quant Time: Apr 02 18:40:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040225.M
Quant Title : GC Extractables
QLast Update : Wed Apr 02 18:36:21 2025
Response via : Initial Calibration
Integrator: ChemStation

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

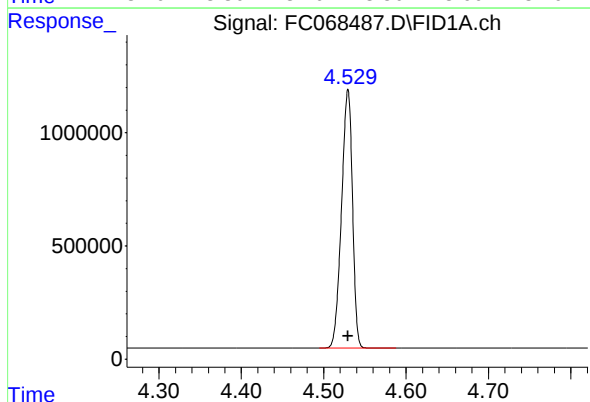




#1 n-Nonane (C9)

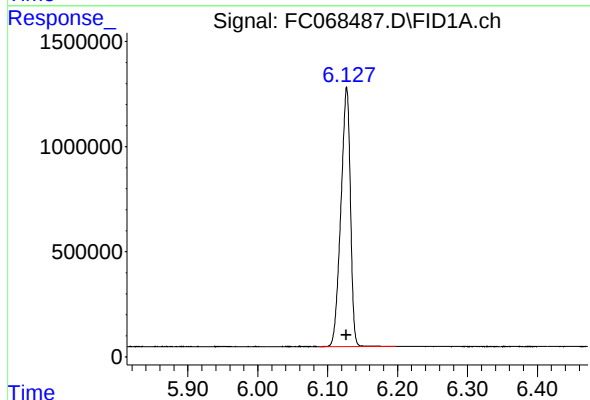
R.T.: 3.452 min
Delta R.T.: 0.000 min
Response: 10365720
Conc: 96.20 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



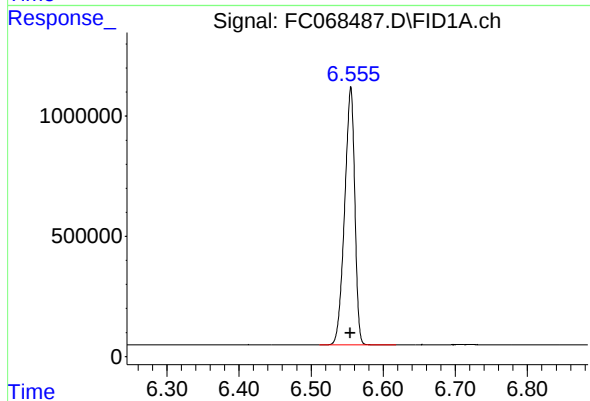
#2 n-Decane (C10)

R.T.: 4.529 min
Delta R.T.: 0.000 min
Response: 10521483
Conc: 96.10 ug/ml



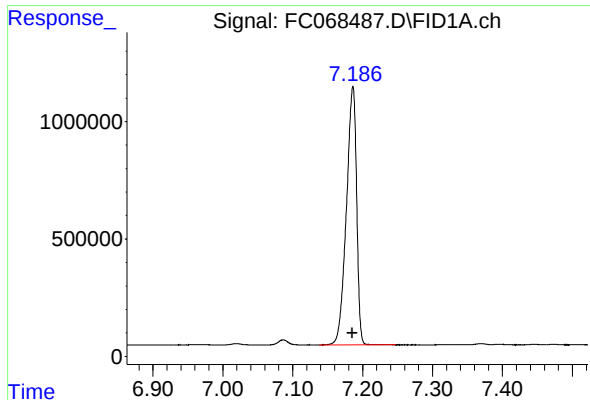
#3 A~Naphthalene (C11.7)

R.T.: 6.127 min
Delta R.T.: 0.000 min
Response: 11665756
Conc: 96.16 ug/ml



#4 n-Dodecane (C12)

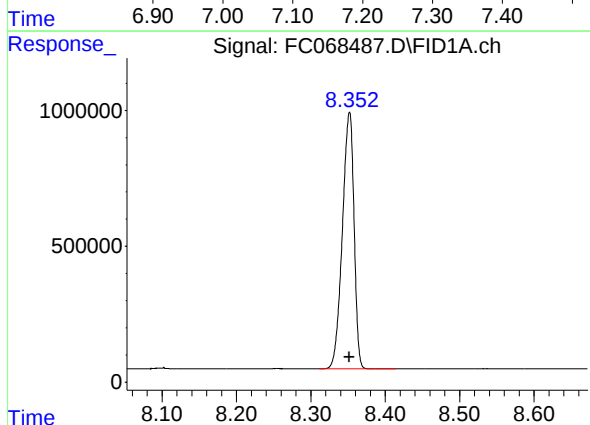
R.T.: 6.555 min
Delta R.T.: 0.000 min
Response: 10486955
Conc: 96.03 ug/ml



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

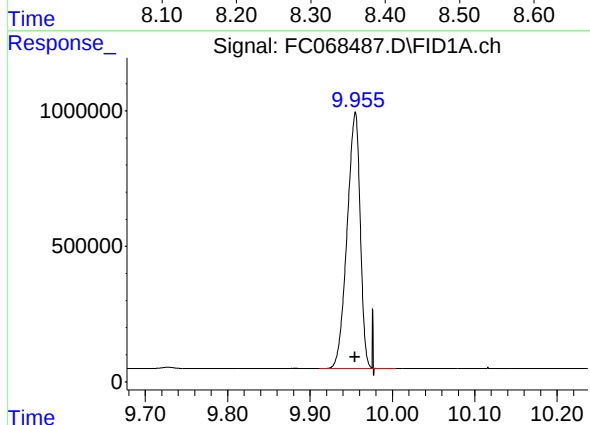
R.T.: 7.186 min
Delta R.T.: 0.000 min
Response: 11170905
Conc: 96.22 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



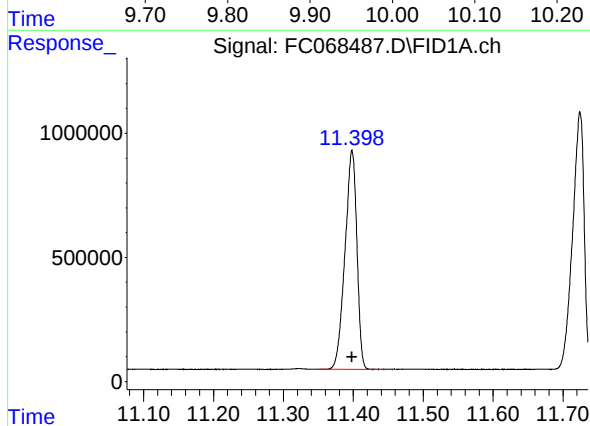
#6 n-Tetradecane (C14)

R.T.: 8.351 min
Delta R.T.: 0.000 min
Response: 10270310
Conc: 95.83 ug/ml



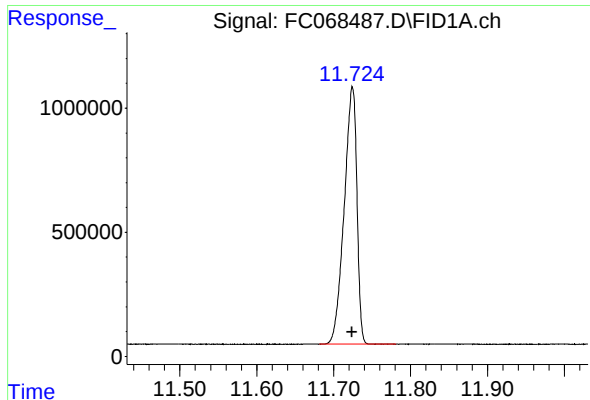
#7 n-Hexadecane (C16)

R.T.: 9.954 min
Delta R.T.: 0.000 min
Response: 10571379
Conc: 96.05 ug/ml



#8 n-Octadecane (C18)

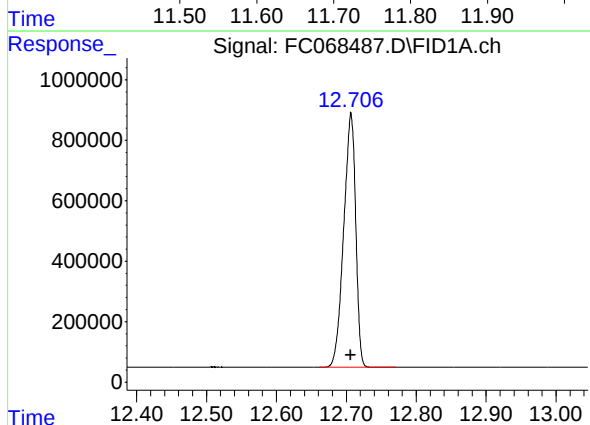
R.T.: 11.398 min
Delta R.T.: 0.000 min
Response: 10427644
Conc: 95.37 ug/ml



#9 ortho-Terphenyl (SURR)

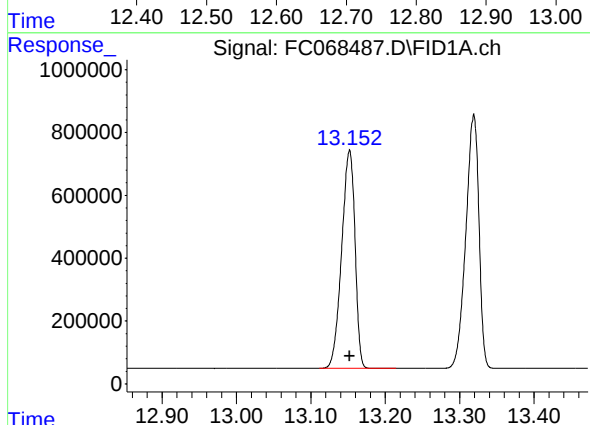
R.T.: 11.724 min
Delta R.T.: 0.000 min
Response: 11880180
Conc: 95.66 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



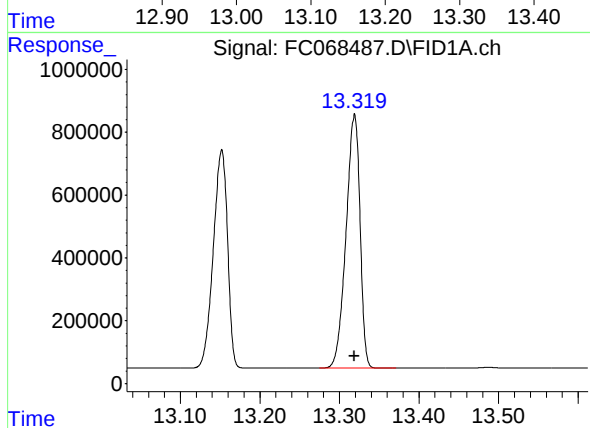
#10 n-Eicosane (C20)

R.T.: 12.707 min
Delta R.T.: 0.000 min
Response: 10010883
Conc: 95.62 ug/ml



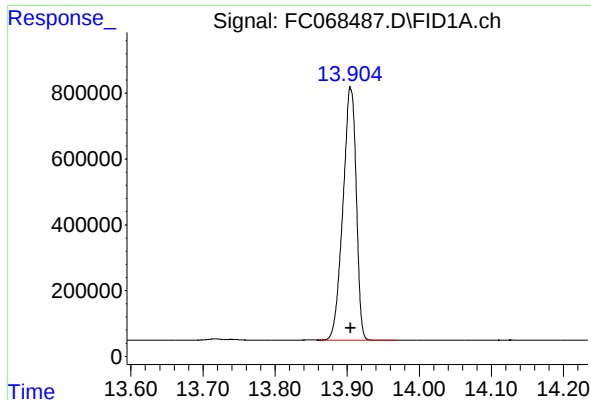
#11 n-Heneicosane (C21)

R.T.: 13.152 min
Delta R.T.: 0.000 min
Response: 8643827
Conc: 96.75 ug/ml



#12 1-chlorooctadecane (SURR)

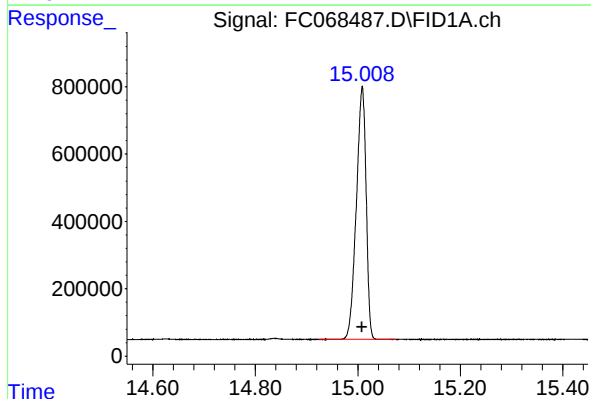
R.T.: 13.319 min
Delta R.T.: 0.000 min
Response: 9868760
Conc: 95.94 ug/ml



#13 n-Docosane (C22)

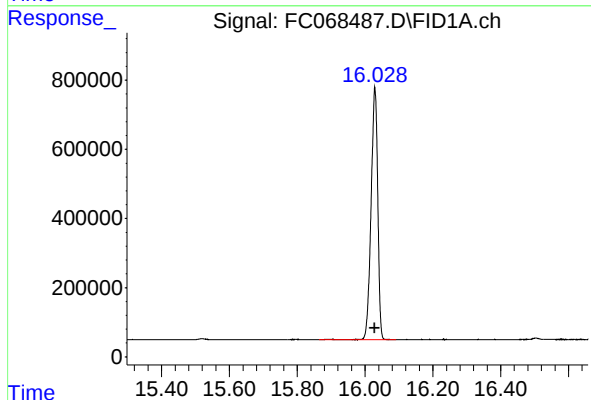
R.T.: 13.905 min
Delta R.T.: 0.000 min
Response: 9857768
Conc: 96.16 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



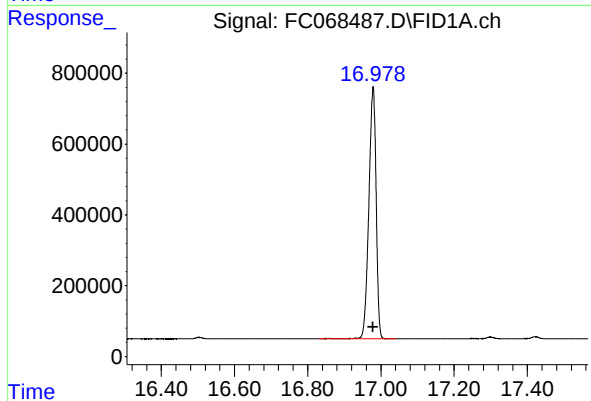
#14 n-Tetracosane (C24)

R.T.: 15.008 min
Delta R.T.: 0.000 min
Response: 9949523
Conc: 96.65 ug/ml



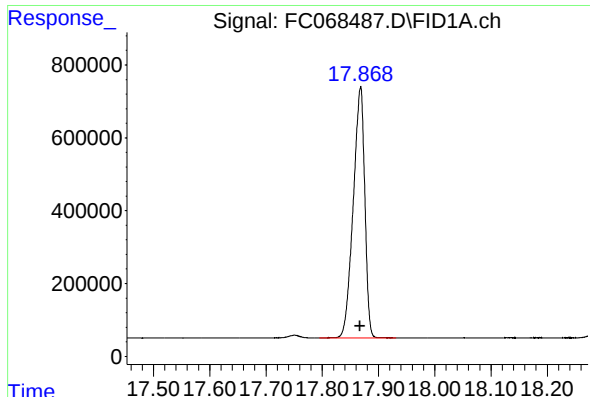
#15 n-Hexacosane (C26)

R.T.: 16.029 min
Delta R.T.: 0.000 min
Response: 9895654
Conc: 97.63 ug/ml



#16 n-Octacosane (C28)

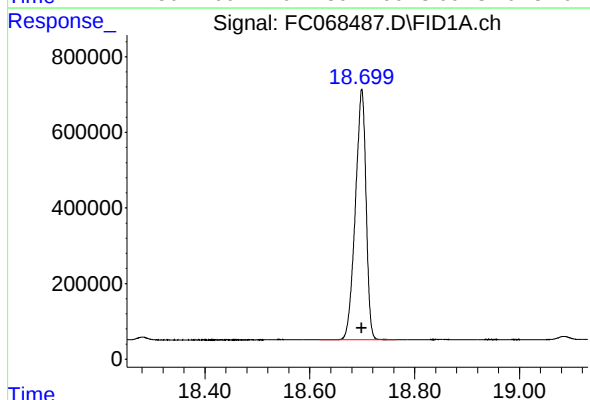
R.T.: 16.978 min
Delta R.T.: 0.000 min
Response: 9762020
Conc: 98.47 ug/ml



#17 n-Tricontane (C30)

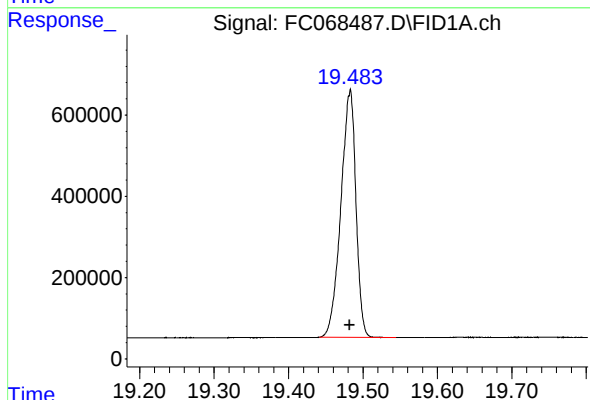
R.T.: 17.867 min
Delta R.T.: 0.000 min
Response: 9828298
Conc: 98.39 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



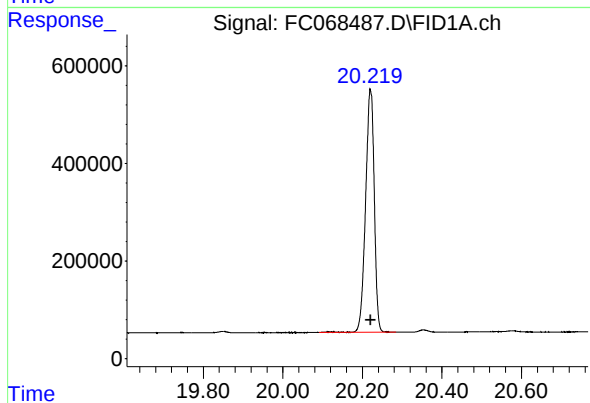
#18 n-Dotriacontane (C32)

R.T.: 18.699 min
Delta R.T.: 0.000 min
Response: 9379832
Conc: 98.49 ug/ml



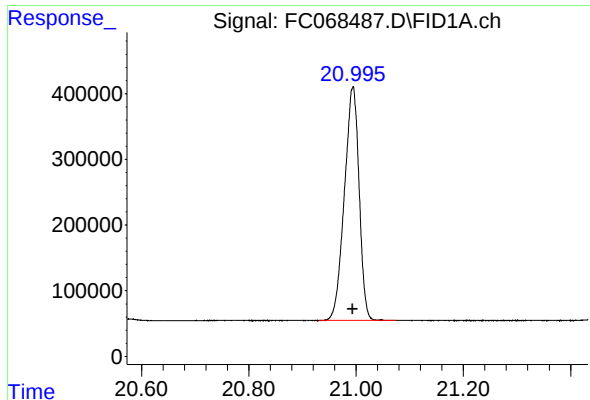
#19 n-Tetratriacontane (C34)

R.T.: 19.482 min
Delta R.T.: 0.000 min
Response: 8564585
Conc: 99.24 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.220 min
Delta R.T.: 0.000 min
Response: 7527188
Conc: 100.40 ug/ml



#21 n-Octatriacontane (C38)

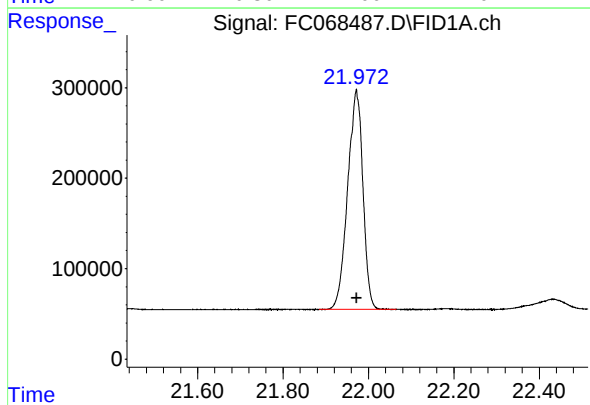
R.T.: 20.994 min
Delta R.T.: 0.000 min
Response: 6779473
Conc: 103.14 ug/ml

Instrument :

FID_C

ClientSampleId :

100 PPM ALIPHATIC HC STD1



#22 n-Tetracontane (C40)

R.T.: 21.972 min
Delta R.T.: 0.000 min
Response: 6015830
Conc: 112.47 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040225AL\
 Data File : FC068487.D
 Signal(s) : FID1A.ch
 Acq On : 02 Apr 2025 15:55
 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 040225.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	3.452	3.394	3.489	BB	1244812	10363876	87.23%	4.857%
2	4.529	4.465	4.589	BB	1137434	10520101	88.54%	4.930%
3	6.127	6.070	6.159	BV	1235695	11591816	97.56%	5.432%
4	6.555	6.485	6.607	BB	1080006	10483150	88.23%	4.912%
5	7.186	7.132	7.259	BB	1095149	11169562	94.01%	5.234%
6	8.351	8.290	8.392	BB	948351	10281027	86.53%	4.818%
7	9.955	9.905	9.994	BB	953107	10572057	88.98%	4.954%
8	11.398	11.350	11.439	VB	882700	10435293	87.83%	4.890%
9	11.724	11.652	11.755	BB	1037992	11881348	100.00%	5.568%
10	12.707	12.660	12.754	BB	843179	10011347	84.26%	4.691%
11	13.152	13.079	13.209	BB	694811	8648431	72.79%	4.053%
12	13.319	13.232	13.370	BB	805528	9874877	83.11%	4.627%
13	13.905	13.825	13.945	BB	762856	9872787	83.09%	4.626%
14	15.008	14.925	15.065	BB	753269	9951208	83.75%	4.663%
15	16.029	15.947	16.090	BB	729864	9887874	83.22%	4.634%
16	16.978	16.892	17.042	BB	712949	9748306	82.05%	4.568%
17	17.868	17.804	17.945	BB	686373	9836699	82.79%	4.610%
18	18.699	18.624	18.772	BB	663923	9381590	78.96%	4.396%
19	19.482	19.440	19.554	BB	601873	8574594	72.17%	4.018%
20	20.220	20.154	20.295	BB	495856	7513944	63.24%	3.521%
21	20.994	20.909	21.075	BB	354666	6777428	57.04%	3.176%
22	21.972	21.872	22.077	BB	242986	6020445	50.67%	2.821%
Sum of corrected areas:						213397756		

Aliphatic EPH 040225.M Thu Apr 03 04:43:33 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040225AL\
 Data File : FC068488.D
 Signal(s) : FID1A.ch
 Acq On : 02 Apr 2025 16:32
 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 02 18:42:09 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040225.M
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Volume Inj. : 1 ul
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Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
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Spiked Amount 50.000		Recovery =	99.17%
12) S 1-chlorooctadecane (S...	13.316	5068423	49.511 ug/ml
Spiked Amount 50.000		Recovery =	99.02%
Target Compounds			
1) T n-Nonane (C9)	3.450	5322320	49.593 ug/ml
2) T n-Decane (C10)	4.527	5408287	49.598 ug/ml
3) T A~Naphthalene (C11.7)	6.123	5978798	49.520 ug/ml
4) T n-Dodecane (C12)	6.551	5407228	49.677 ug/ml
5) T A~2-methylnaphthalene...	7.181	5719494	49.507 ug/ml
6) T n-Tetradecane (C14)	8.348	5329090	49.817 ug/ml
7) T n-Hexadecane (C16)	9.951	5452271	49.690 ug/ml
8) T n-Octadecane (C18)	11.395	5466510	49.997 ug/ml
10) T n-Eicosane (C20)	12.704	5173413	49.608 ug/ml
11) T n-Heneicosane (C21)	13.149	4417117	49.626 ug/ml
13) T n-Docosane (C22)	13.902	5029327	49.368 ug/ml
14) T n-Tetracosane (C24)	15.005	5013802	49.130 ug/ml
15) T n-Hexacosane (C26)	16.026	4920185	49.020 ug/ml
16) T n-Octacosane (C28)	16.976	4816075	49.043 ug/ml
17) T n-Tricontane (C30)	17.864	4845359	48.993 ug/ml
18) T n-Dotriacontane (C32)	18.696	4629419	49.065 ug/ml
19) T n-Tetratriacontane (C34)	19.480	4225995	49.308 ug/ml
20) T n-Hexatriacontane (C36)	20.218	3700388	49.570 ug/ml
21) T n-Octatriacontane (C38)	20.992	3298654	50.124 ug/ml
22) T n-Tetracontane (C40)	21.967	2766547	51.135 ug/ml

(f)=RT Delta > 1/2 Window

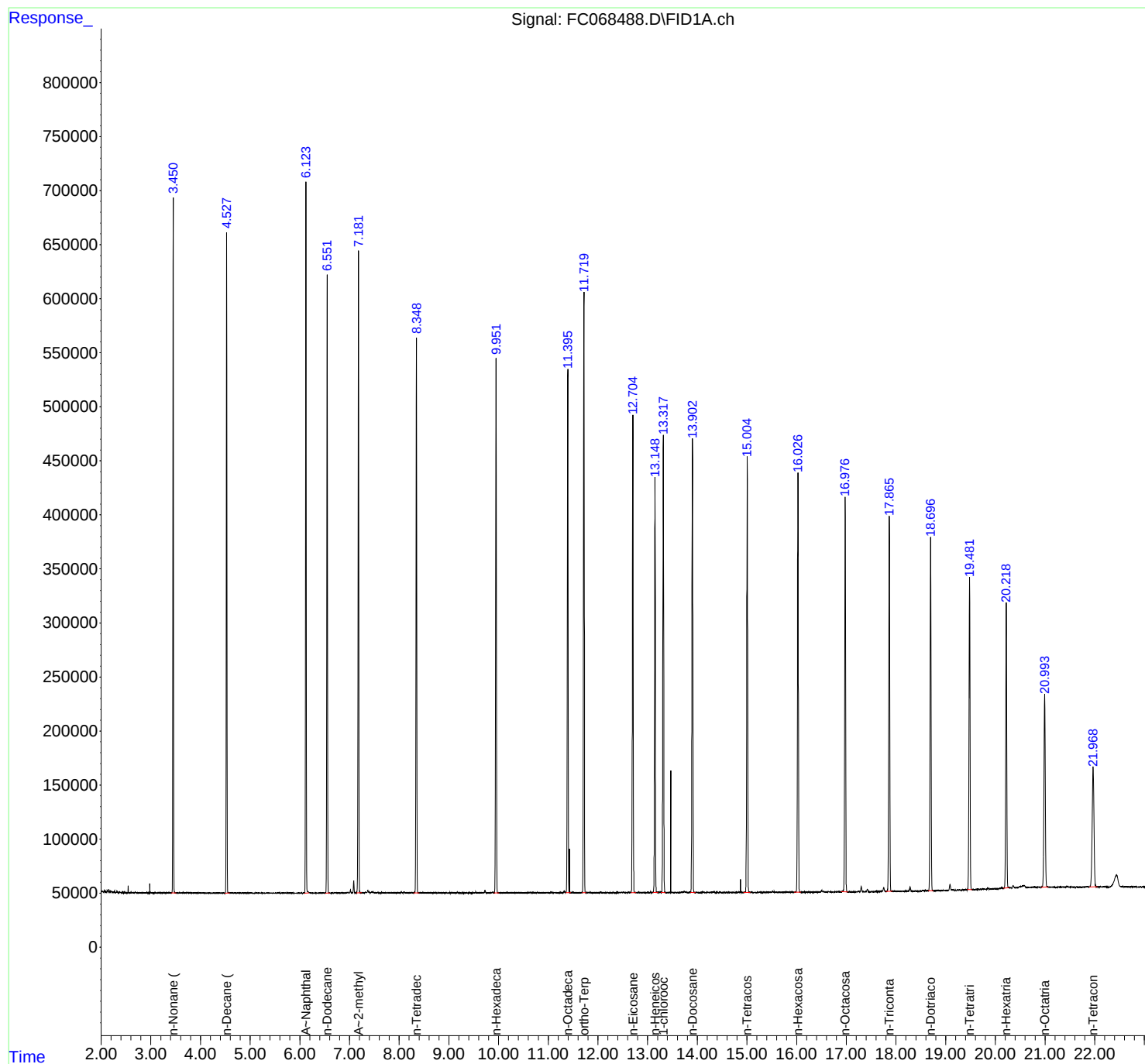
(m)=manual int.

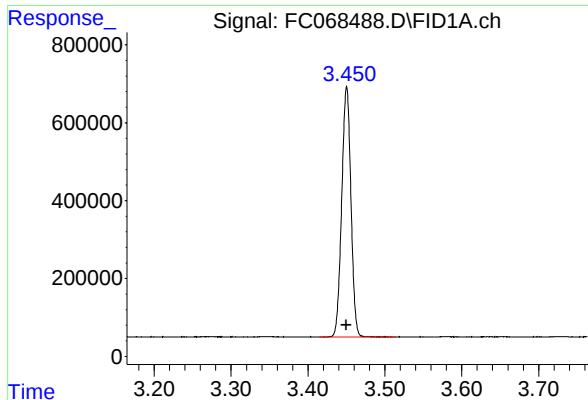
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040225AL\
Data File : FC068488.D
Signal(s) : FID1A.ch
Acq On : 02 Apr 2025 16:32
Operator : YP/AJ
Sample : 50 PPM ALIPHATIC HC STD2
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2

Integration File: autoint1.e
Quant Time: Apr 02 18:42:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040225.M
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Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

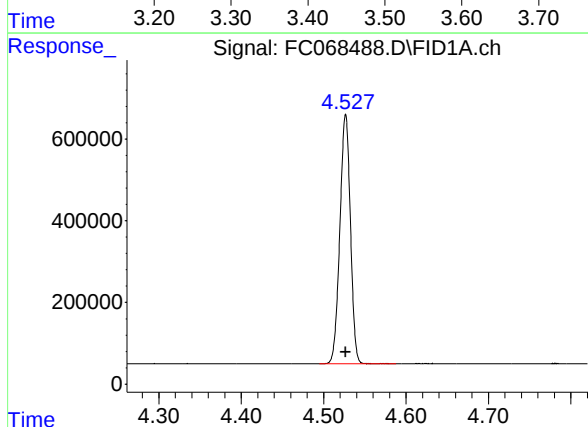




#1 n-Nonane (C9)

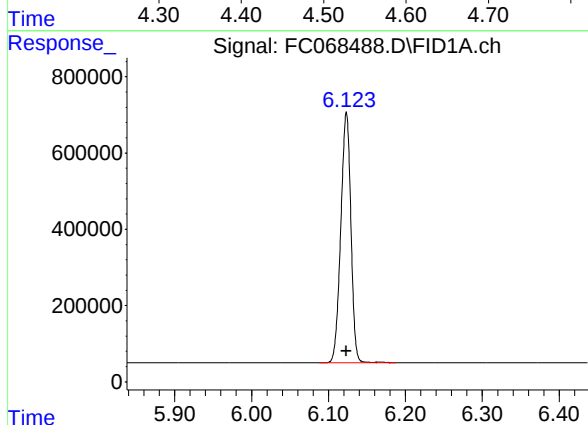
R.T.: 3.450 min
Delta R.T.: 0.000 min
Response: 5322320
Conc: 49.59 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



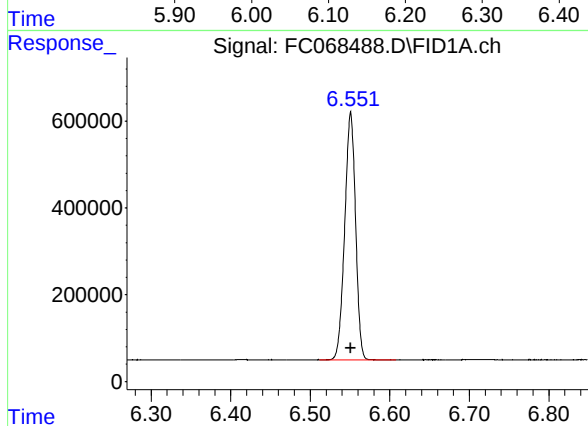
#2 n-Decane (C10)

R.T.: 4.527 min
Delta R.T.: 0.000 min
Response: 5408287
Conc: 49.60 ug/ml



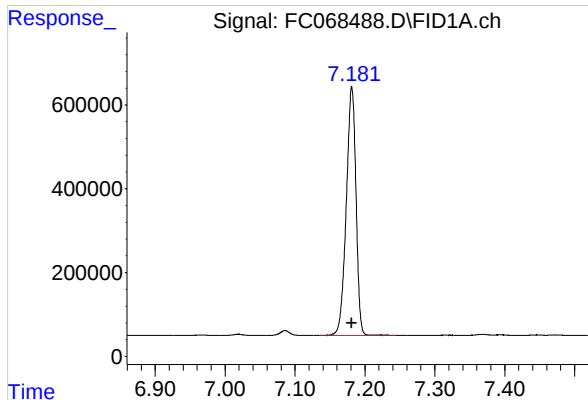
#3 A~Naphthalene (C11.7)

R.T.: 6.123 min
Delta R.T.: 0.000 min
Response: 5978798
Conc: 49.52 ug/ml



#4 n-Dodecane (C12)

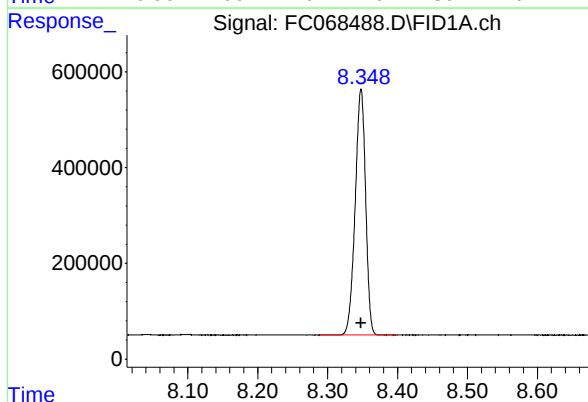
R.T.: 6.551 min
Delta R.T.: 0.000 min
Response: 5407228
Conc: 49.68 ug/ml



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

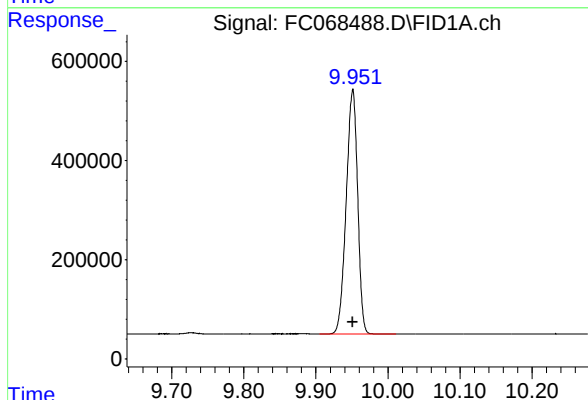
R.T.: 7.181 min
Delta R.T.: 0.000 min
Response: 5719494
Conc: 49.51 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



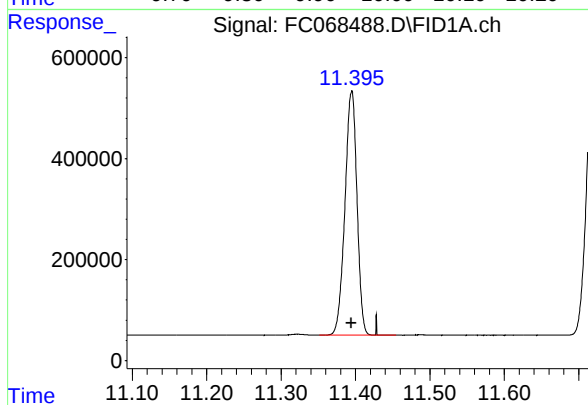
#6 n-Tetradecane (C14)

R.T.: 8.348 min
Delta R.T.: 0.000 min
Response: 5329090
Conc: 49.82 ug/ml



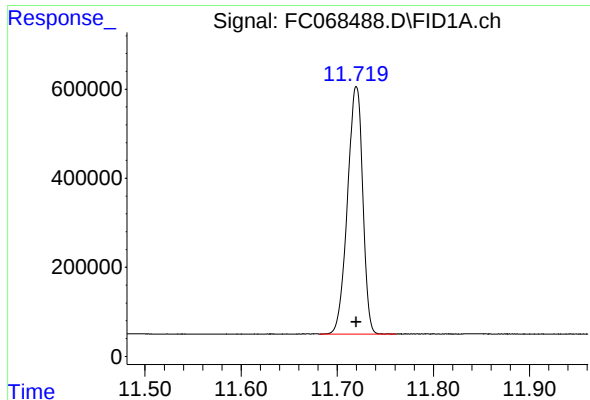
#7 n-Hexadecane (C16)

R.T.: 9.951 min
Delta R.T.: 0.000 min
Response: 5452271
Conc: 49.69 ug/ml



#8 n-Octadecane (C18)

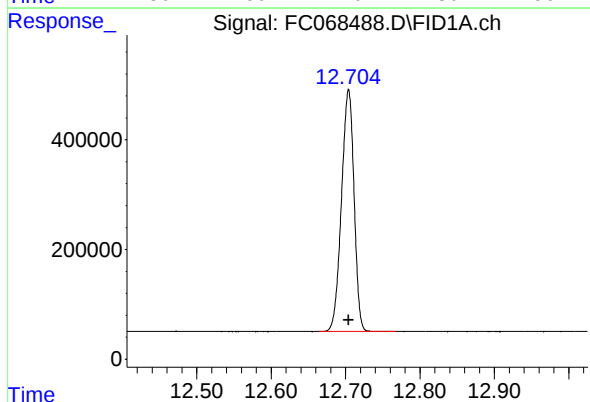
R.T.: 11.395 min
Delta R.T.: 0.000 min
Response: 5466510
Conc: 50.00 ug/ml



#9 ortho-Terphenyl (SURR)

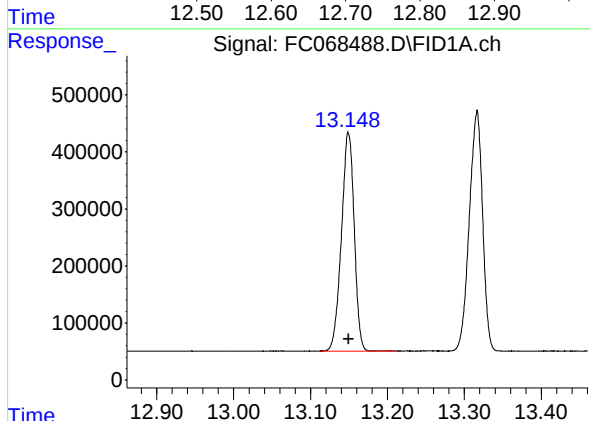
R.T.: 11.720 min
Delta R.T.: 0.000 min
Response: 6132743
Conc: 49.58 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



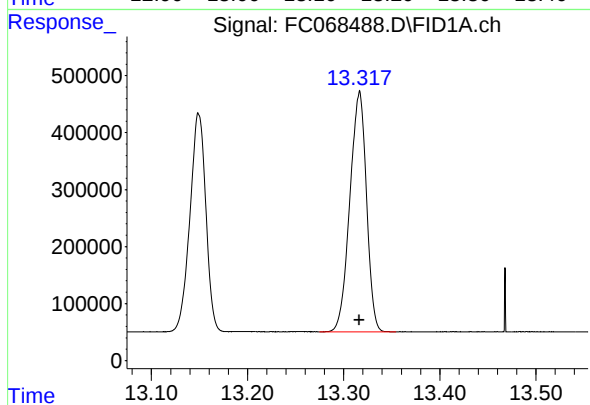
#10 n-Eicosane (C20)

R.T.: 12.704 min
Delta R.T.: 0.000 min
Response: 5173413
Conc: 49.61 ug/ml



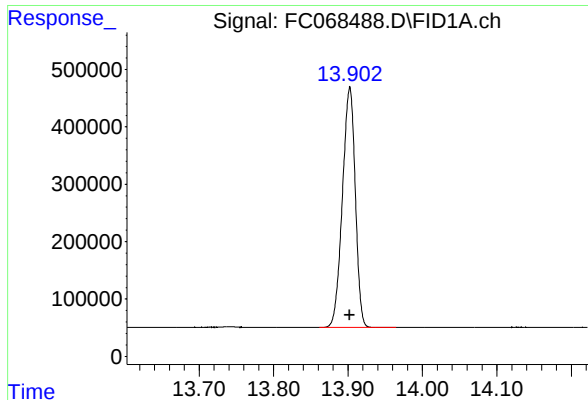
#11 n-Heneicosane (C21)

R.T.: 13.149 min
Delta R.T.: 0.000 min
Response: 4417117
Conc: 49.63 ug/ml



#12 1-chlorooctadecane (SURR)

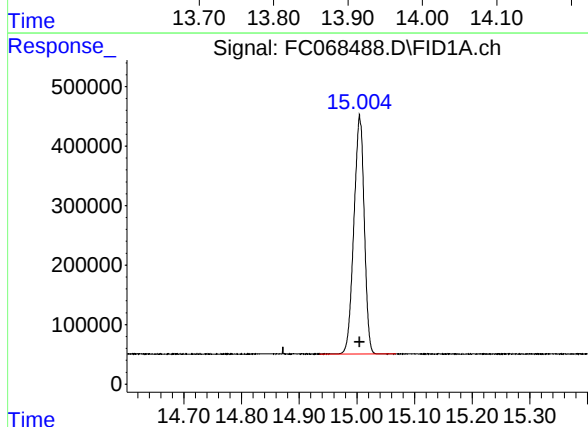
R.T.: 13.316 min
Delta R.T.: 0.000 min
Response: 5068423
Conc: 49.51 ug/ml



#13 n-Docosane (C22)

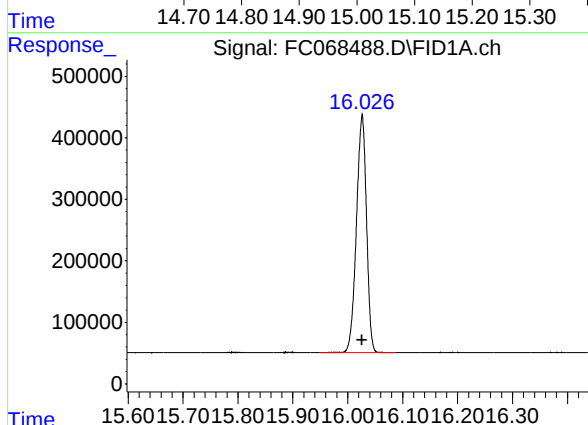
R.T.: 13.902 min
Delta R.T.: 0.000 min
Response: 5029327
Conc: 49.37 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



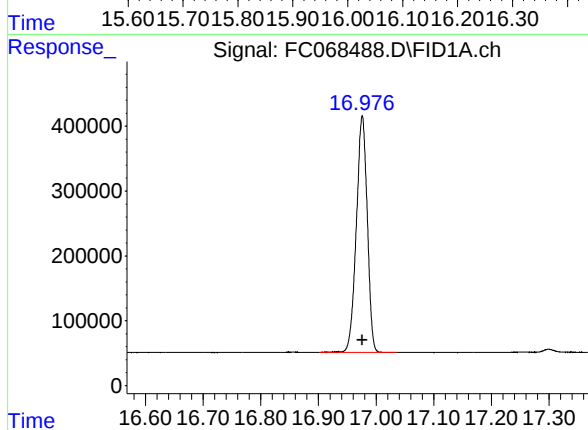
#14 n-Tetracosane (C24)

R.T.: 15.005 min
Delta R.T.: 0.000 min
Response: 5013802
Conc: 49.13 ug/ml



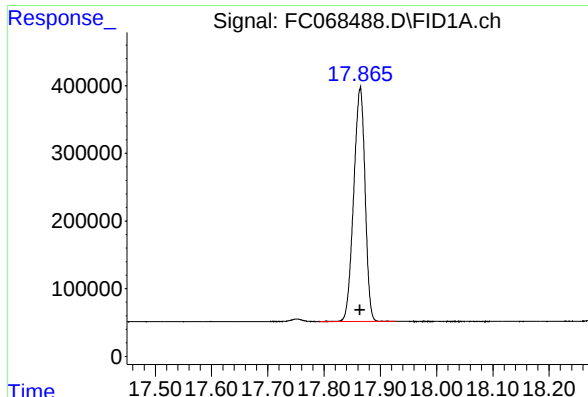
#15 n-Hexacosane (C26)

R.T.: 16.026 min
Delta R.T.: 0.000 min
Response: 4920185
Conc: 49.02 ug/ml



#16 n-Octacosane (C28)

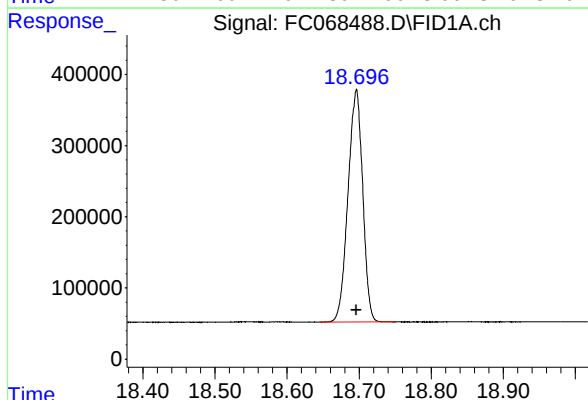
R.T.: 16.976 min
Delta R.T.: 0.000 min
Response: 4816075
Conc: 49.04 ug/ml



#17 n-Tricontane (C30)

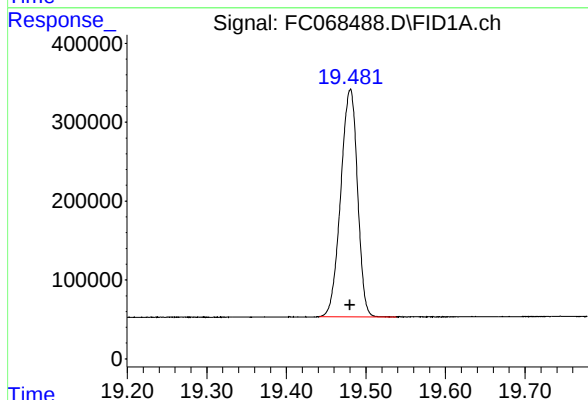
R.T.: 17.864 min
Delta R.T.: 0.000 min
Response: 4845359
Conc: 48.99 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



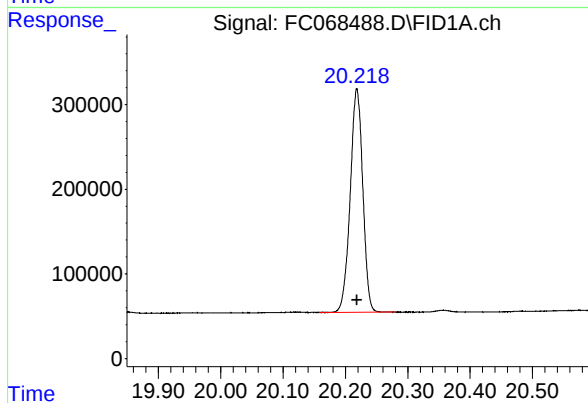
#18 n-Dotriacontane (C32)

R.T.: 18.696 min
Delta R.T.: 0.000 min
Response: 4629419
Conc: 49.07 ug/ml



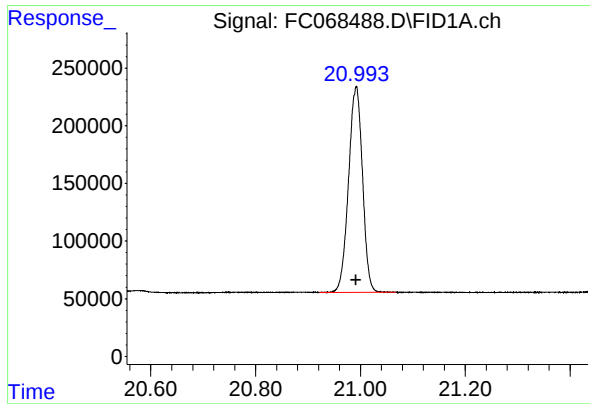
#19 n-Tetatriacontane (C34)

R.T.: 19.480 min
Delta R.T.: 0.000 min
Response: 4225995
Conc: 49.31 ug/ml



#20 n-Hexatriacontane (C36)

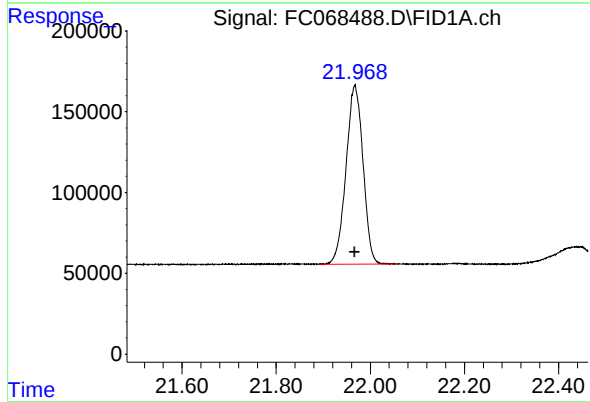
R.T.: 20.218 min
Delta R.T.: 0.000 min
Response: 3700388
Conc: 49.57 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.992 min
Delta R.T.: 0.000 min
Response: 3298654
Conc: 50.12 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



#22 n-Tetracontane (C40)

R.T.: 21.967 min
Delta R.T.: 0.000 min
Response: 2766547
Conc: 51.14 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040225AL\
Data File : FC068488.D
Signal(s) : FID1A.ch
Acq On : 02 Apr 2025 16:32
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 040225.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	3.417	3.495	BB	643548	5318977	86.71%	4.918%
2	4.527	4.472	4.562	BB	611654	5404406	88.10%	4.997%
3	6.123	6.067	6.195	BB	658673	5978980	97.47%	5.529%
4	6.551	6.490	6.600	BB	568824	5406644	88.14%	5.000%
5	7.181	7.132	7.239	BB	592622	5719500	93.24%	5.289%
6	8.348	8.285	8.397	BB	513188	5330711	86.90%	4.929%
7	9.951	9.905	10.005	BB	489950	5452168	88.88%	5.042%
8	11.395	11.355	11.454	BB	485239	5466805	89.12%	5.055%
9	11.720	11.660	11.762	BB	556307	6134078	100.00%	5.672%
10	12.704	12.637	12.759	BB	441563	5169871	84.28%	4.781%
11	13.149	13.079	13.184	BB	384099	4414115	71.96%	4.082%
12	13.316	13.275	13.357	BB	424508	5069424	82.64%	4.688%
13	13.902	13.837	13.942	BB	418234	5029032	81.99%	4.650%
14	15.005	14.935	15.052	BB	398093	5012342	81.71%	4.635%
15	16.026	15.960	16.082	BB	383817	4918591	80.18%	4.548%
16	16.976	16.830	17.034	BB	365107	4831854	78.77%	4.468%
17	17.864	17.797	17.927	BB	344325	4849869	79.06%	4.485%
18	18.696	18.645	18.762	BB	325694	4631503	75.50%	4.283%
19	19.480	19.440	19.537	BB	288362	4230904	68.97%	3.912%
20	20.218	20.149	20.292	BB	264179	3706900	60.43%	3.428%
21	20.992	20.905	21.070	BB	178401	3298239	53.77%	3.050%
22	21.967	21.877	22.062	BB	110535	2768199	45.13%	2.560%
Sum of corrected areas:						108143112		

Aliphatic EPH 040225.M Thu Apr 03 04:44:01 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040225AL\
 Data File : FC068489.D
 Signal(s) : FID1A.ch
 Acq On : 02 Apr 2025 17:09
 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 02 18:38:11 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040225.M
 Quant Title : GC Extractables
 QLast Update : Wed Apr 02 18:36:21 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.716	2591844	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
12) S 1-chlorooctadecane (S...	13.314	2141005	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
Target Compounds			
1) T n-Nonane (C9)	3.451	2237116	20.000 ug/ml
2) T n-Decane (C10)	4.526	2274882	20.000 ug/ml
3) T A~Naphthalene (C11.7)	6.123	2519456	20.000 ug/ml
4) T n-Dodecane (C12)	6.551	2270642	20.000 ug/ml
5) T A~2-methylnaphthalene...	7.180	2409709	20.000 ug/ml
6) T n-Tetradecane (C14)	8.347	2232688	20.000 ug/ml
7) T n-Hexadecane (C16)	9.950	2288357	20.000 ug/ml
8) T n-Octadecane (C18)	11.391	2288117	20.000 ug/ml
10) T n-Eicosane (C20)	12.702	2185592	20.000 ug/ml
11) T n-Heneicosane (C21)	13.148	1844920	20.000 ug/ml
13) T n-Docosane (C22)	13.901	2129148	20.000 ug/ml
14) T n-Tetracosane (C24)	15.004	2127660	20.000 ug/ml
15) T n-Hexacosane (C26)	16.025	2075088	20.000 ug/ml
16) T n-Octacosane (C28)	16.975	2013228	20.000 ug/ml
17) T n-Tricontane (C30)	17.863	2030134	20.000 ug/ml
18) T n-Dotriacontane (C32)	18.695	1933414	20.000 ug/ml
19) T n-Tetratriacontane (C34)	19.478	1739064	20.000 ug/ml
20) T n-Hexatriacontane (C36)	20.218	1493355	20.000 ug/ml
21) T n-Octatriacontane (C38)	20.990	1273221	20.000 ug/ml
22) T n-Tetracontane (C40)	21.965	936374	20.000 ug/ml

(f)=RT Delta > 1/2 Window

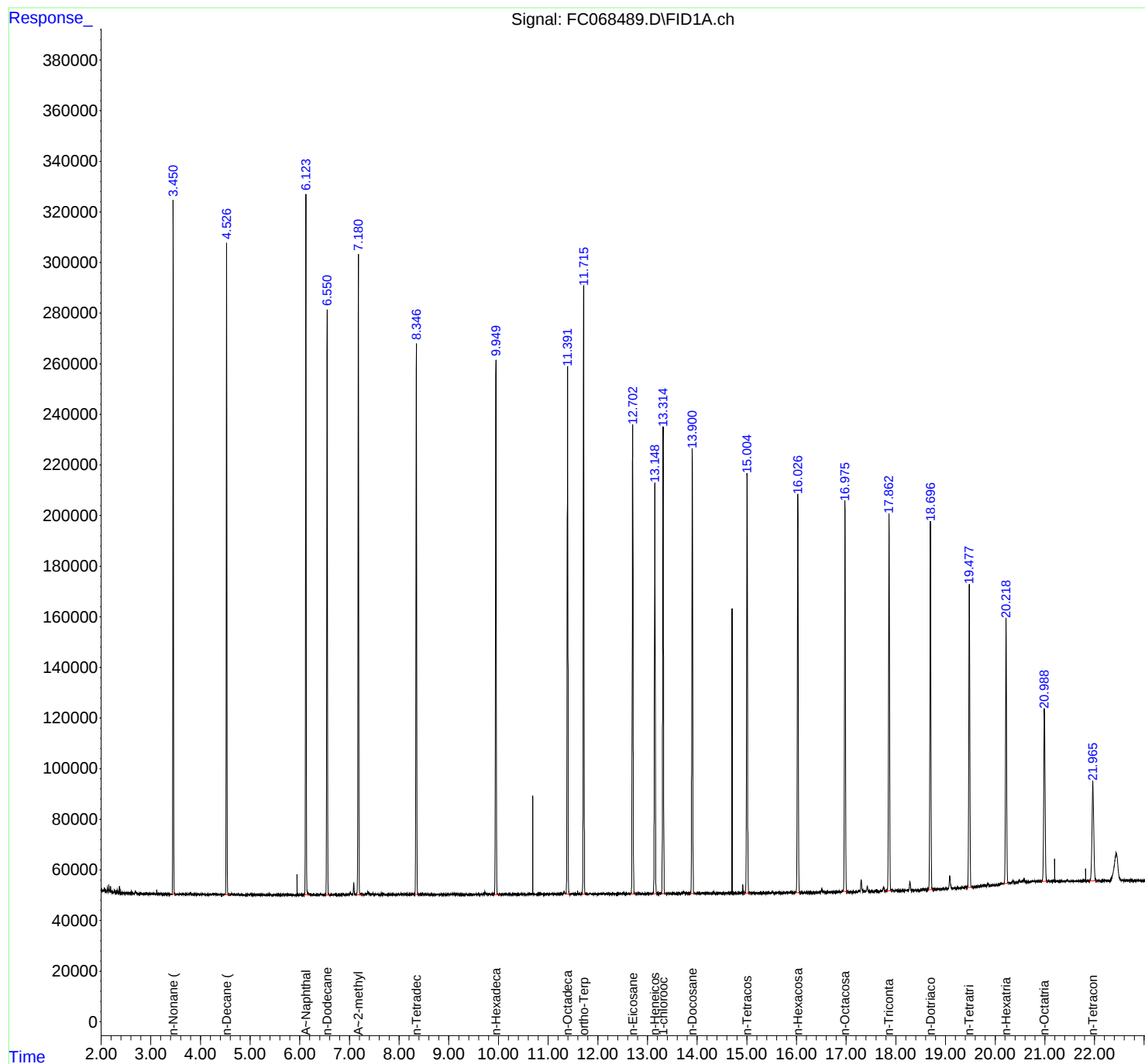
(m)=manual int.

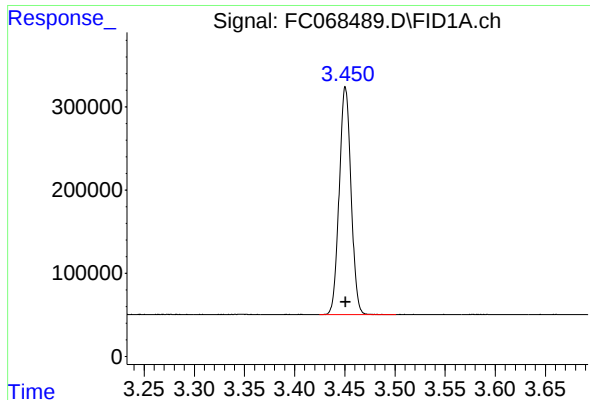
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040225AL\
Data File : FC068489.D
Signal(s) : FID1A.ch
Acq On : 02 Apr 2025 17:09
Operator : YP/AJ
Sample : 20 PPM ALIPHATIC HC STD3
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3

Integration File: autoint1.e
Quant Time: Apr 02 18:38:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040225.M
Quant Title : GC Extractables
QLast Update : Wed Apr 02 18:36:21 2025
Response via : Initial Calibration
Integrator: ChemStation

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

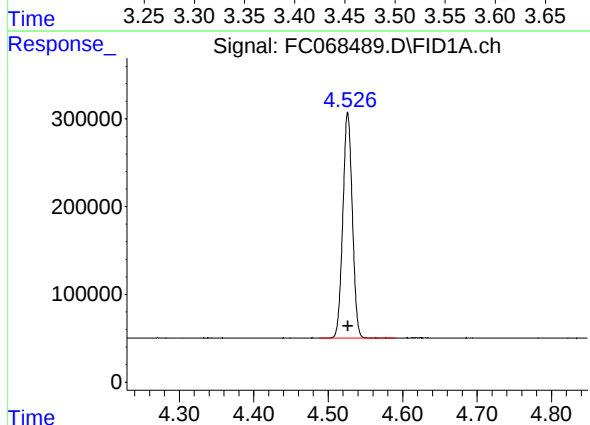




#1 n-Nonane (C9)

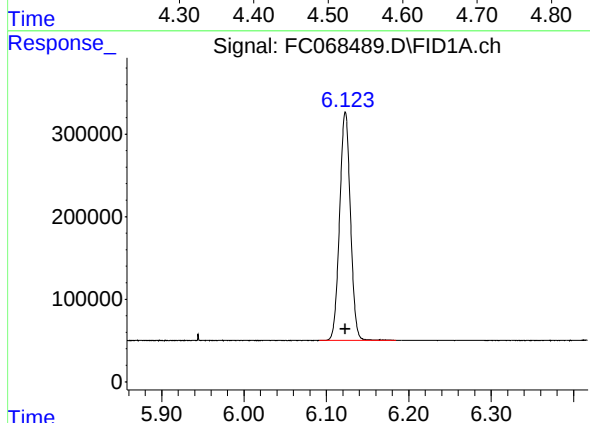
R.T.: 3.451 min
Delta R.T.: 0.000 min
Response: 2237116
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



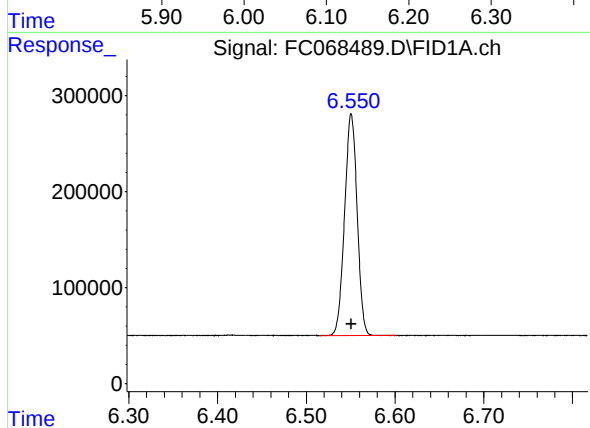
#2 n-Decane (C10)

R.T.: 4.526 min
Delta R.T.: 0.000 min
Response: 2274882
Conc: 20.00 ug/ml



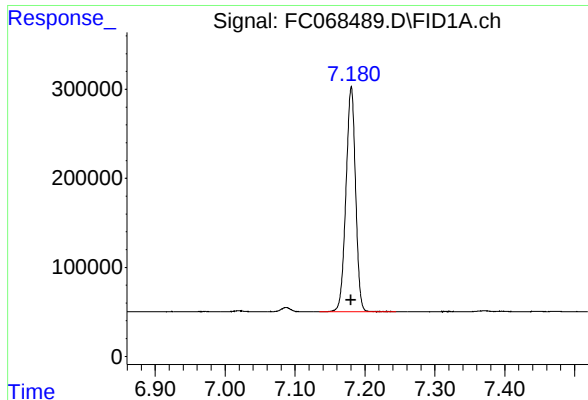
#3 A~Naphthalene (C11.7)

R.T.: 6.123 min
Delta R.T.: 0.000 min
Response: 2519456
Conc: 20.00 ug/ml



#4 n-Dodecane (C12)

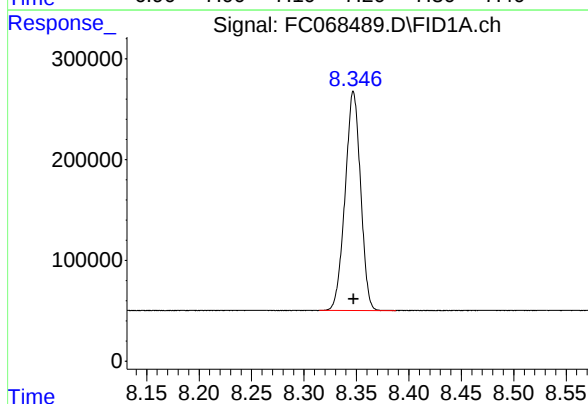
R.T.: 6.551 min
Delta R.T.: 0.000 min
Response: 2270642
Conc: 20.00 ug/ml



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

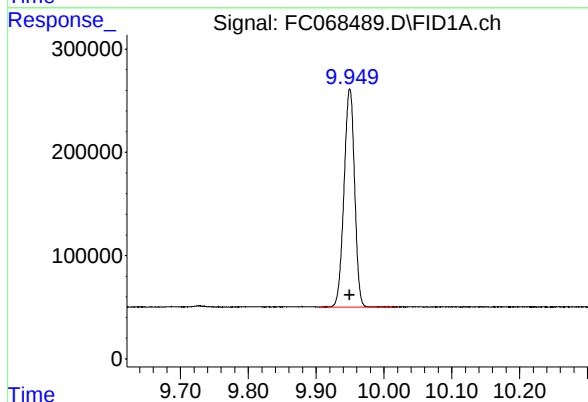
R.T.: 7.180 min
Delta R.T.: 0.000 min
Response: 2409709
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



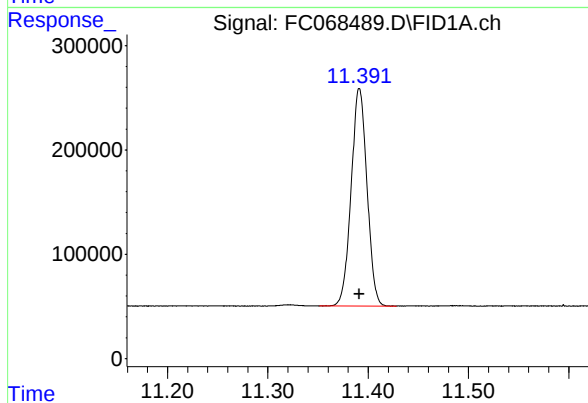
#6 n-Tetradecane (C14)

R.T.: 8.347 min
Delta R.T.: 0.000 min
Response: 2232688
Conc: 20.00 ug/ml



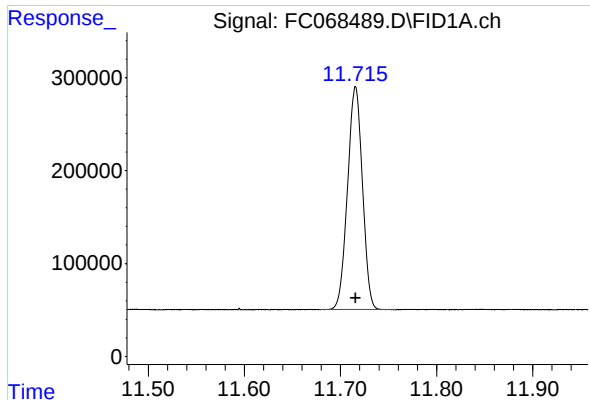
#7 n-Hexadecane (C16)

R.T.: 9.950 min
Delta R.T.: 0.000 min
Response: 2288357
Conc: 20.00 ug/ml



#8 n-Octadecane (C18)

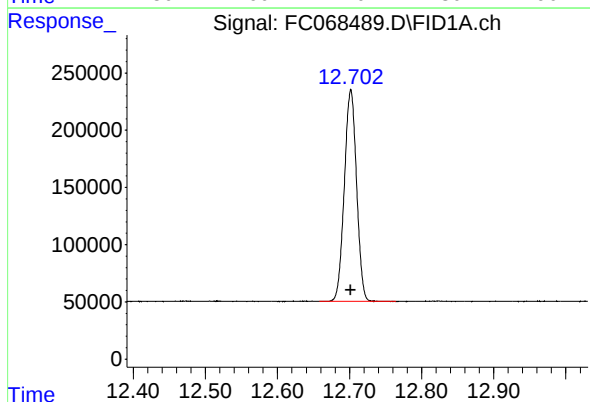
R.T.: 11.391 min
Delta R.T.: 0.000 min
Response: 2288117
Conc: 20.00 ug/ml



#9 ortho-Terphenyl (SURR)

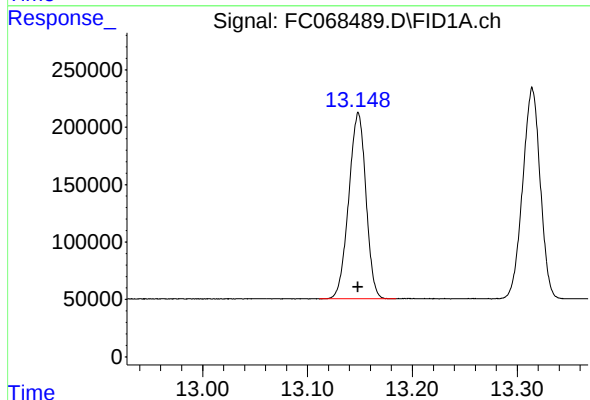
R.T.: 11.716 min
Delta R.T.: 0.000 min
Response: 2591844
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



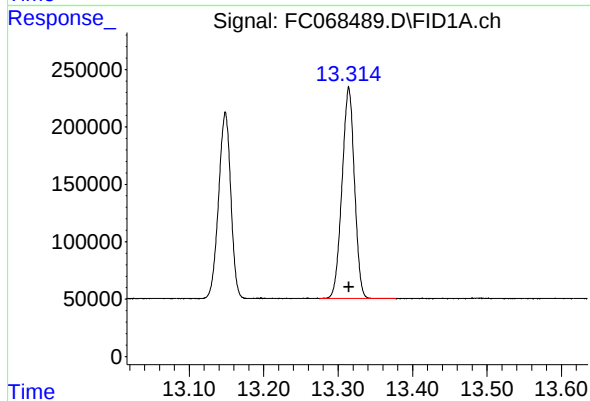
#10 n-Eicosane (C20)

R.T.: 12.702 min
Delta R.T.: 0.000 min
Response: 2185592
Conc: 20.00 ug/ml



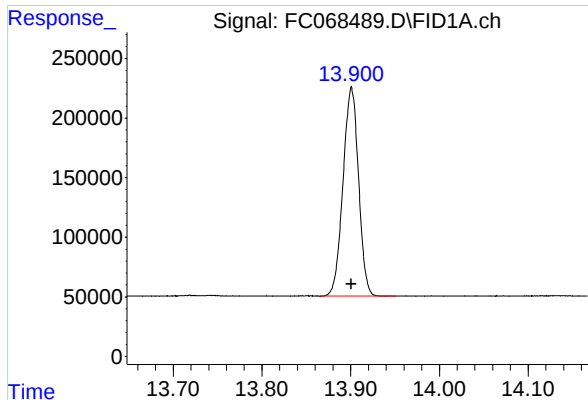
#11 n-Heneicosane (C21)

R.T.: 13.148 min
Delta R.T.: 0.000 min
Response: 1844920
Conc: 20.00 ug/ml



#12 1-chlorooctadecane (SURR)

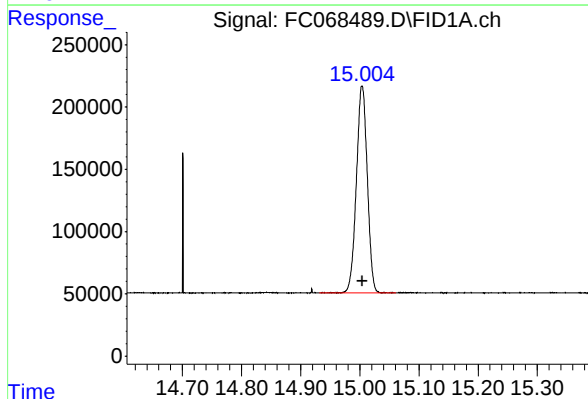
R.T.: 13.314 min
Delta R.T.: 0.000 min
Response: 2141005
Conc: 20.00 ug/ml



#13 n-Docosane (C22)

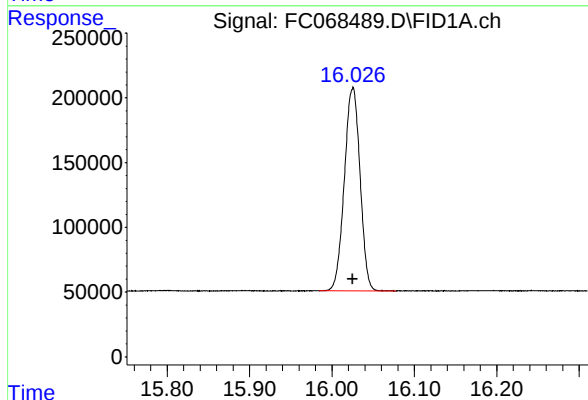
R.T.: 13.901 min
Delta R.T.: 0.000 min
Response: 2129148
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



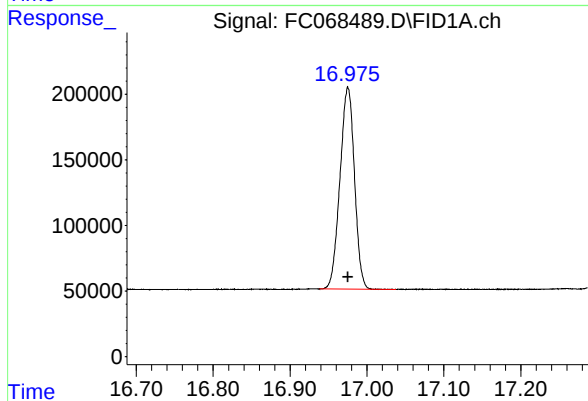
#14 n-Tetracosane (C24)

R.T.: 15.004 min
Delta R.T.: 0.000 min
Response: 2127660
Conc: 20.00 ug/ml



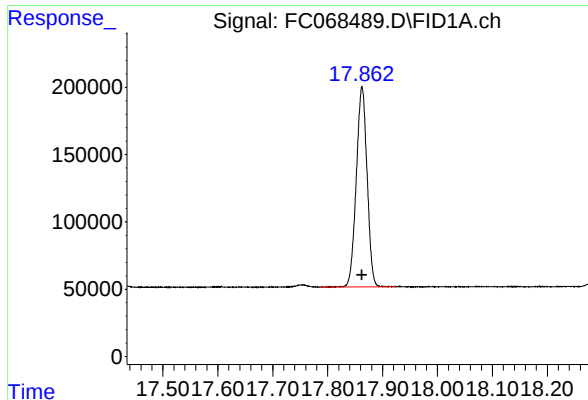
#15 n-Hexacosane (C26)

R.T.: 16.025 min
Delta R.T.: 0.000 min
Response: 2075088
Conc: 20.00 ug/ml



#16 n-Octacosane (C28)

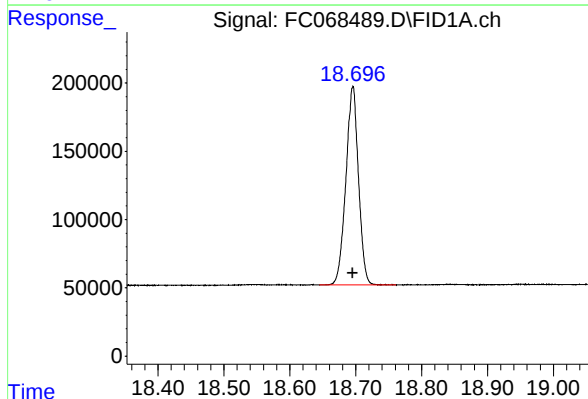
R.T.: 16.975 min
Delta R.T.: 0.000 min
Response: 2013228
Conc: 20.00 ug/ml



#17 n-Tricontane (C30)

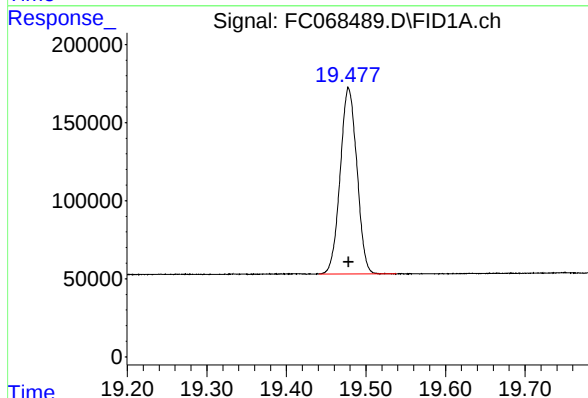
R.T.: 17.863 min
Delta R.T.: 0.000 min
Response: 2030134
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



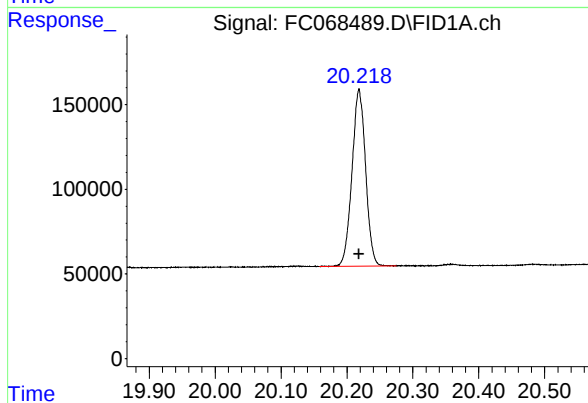
#18 n-Dotriacontane (C32)

R.T.: 18.695 min
Delta R.T.: 0.000 min
Response: 1933414
Conc: 20.00 ug/ml



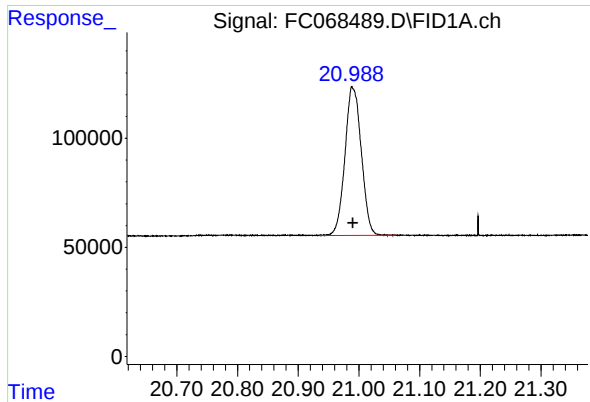
#19 n-Tetatriacontane (C34)

R.T.: 19.478 min
Delta R.T.: 0.000 min
Response: 1739064
Conc: 20.00 ug/ml



#20 n-Hexatriacontane (C36)

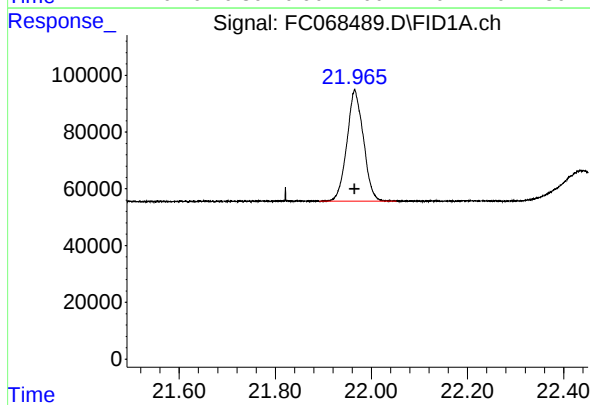
R.T.: 20.218 min
Delta R.T.: 0.000 min
Response: 1493355
Conc: 20.00 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.990 min
Delta R.T.: 0.000 min
Response: 1273221
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



#22 n-Tetracontane (C40)

R.T.: 21.965 min
Delta R.T.: 0.000 min
Response: 936374
Conc: 20.00 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040225AL\
 Data File : FC068489.D
 Signal(s) : FID1A.ch
 Acq On : 02 Apr 2025 17:09
 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 040225.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	3.451	3.397	3.492	BB	273892	2236131	86.27%	4.964%
2	4.526	4.474	4.562	BB	255746	2274213	87.74%	5.049%
3	6.123	6.072	6.194	BB	277535	2521641	97.29%	5.598%
4	6.551	6.499	6.595	BB	231229	2268214	87.51%	5.036%
5	7.180	7.134	7.222	BB	252605	2405296	92.80%	5.340%
6	8.347	8.289	8.387	BB	217801	2236984	86.30%	4.966%
7	9.950	9.894	9.990	BB	211474	2284547	88.14%	5.072%
8	11.391	11.354	11.427	BB	208925	2289647	88.34%	5.083%
9	11.716	11.659	11.759	BB	240360	2591995	100.00%	5.755%
10	12.702	12.644	12.757	BB	185520	2182814	84.21%	4.846%
11	13.148	13.090	13.184	BB	162705	1844367	71.16%	4.095%
12	13.314	13.252	13.364	BB	183703	2139071	82.53%	4.749%
13	13.901	13.842	13.939	BB	175059	2126312	82.03%	4.721%
14	15.004	14.934	15.052	BB	166053	2127278	82.07%	4.723%
15	16.025	15.964	16.077	BB	156807	2077986	80.17%	4.613%
16	16.975	16.889	17.025	BB	154393	2030757	78.35%	4.509%
17	17.863	17.790	17.904	BB	148810	2028137	78.25%	4.503%
18	18.695	18.645	18.754	BB	145089	1931861	74.53%	4.289%
19	19.478	19.440	19.539	BB	118871	1743088	67.25%	3.870%
20	20.218	20.089	20.275	BB	104579	1493285	57.61%	3.315%
21	20.990	20.912	21.065	BB	67071	1271399	49.05%	2.823%
22	21.965	21.880	22.060	BB	39436	937677	36.18%	2.082%
Sum of corrected areas:							45042699	

Aliphatic EPH 040225.M Thu Apr 03 04:44:24 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040225AL\
 Data File : FC068490.D
 Signal(s) : FID1A.ch
 Acq On : 02 Apr 2025 17:45
 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 02 18:44:06 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040225.M
 Quant Title : GC Extractables
 QLast Update : Wed Apr 02 18:36:21 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)	11.712	1390233	10.902 ug/ml
Spiked Amount 50.000		Recovery =	21.80%
12) S 1-chlorooctadecane (S...	13.310	1145180	10.864 ug/ml
Spiked Amount 50.000		Recovery =	21.73%
Target Compounds			
1) T n-Nonane (C9)	3.450	1201876	10.873 ug/ml
2) T n-Decane (C10)	4.525	1219789	10.864 ug/ml
3) T A~Naphthalene (C11.7)	6.121	1349544	10.858 ug/ml
4) T n-Dodecane (C12)	6.549	1219403	10.876 ug/ml
5) T A~2-methylnaphthalene...	7.178	1290927	10.855 ug/ml
6) T n-Tetradecane (C14)	8.345	1202170	10.901 ug/ml
7) T n-Hexadecane (C16)	9.946	1233954	10.906 ug/ml
8) T n-Octadecane (C18)	11.388	1246935	11.018 ug/ml
10) T n-Eicosane (C20)	12.697	1173081	10.908 ug/ml
11) T n-Heneicosane (C21)	13.143	976829	10.714 ug/ml
13) T n-Docosane (C22)	13.897	1135158	10.833 ug/ml
14) T n-Tetracosane (C24)	15.001	1133376	10.807 ug/ml
15) T n-Hexacosane (C26)	16.022	1092872	10.652 ug/ml
16) T n-Octacosane (C28)	16.974	1058084	10.570 ug/ml
17) T n-Tricontane (C30)	17.861	1069974	10.602 ug/ml
18) T n-Dotriacontane (C32)	18.694	1005787	10.487 ug/ml
19) T n-Tetratriacontane (C34)	19.479	883903	10.233 ug/ml
20) T n-Hexatriacontane (C36)	20.218	730670	9.840 ug/ml
21) T n-Octatriacontane (C38)	20.990	574412	9.015 ug/ml
22) T n-Tetracontane (C40)	21.966	348193	7.065 ug/ml

(f)=RT Delta > 1/2 Window

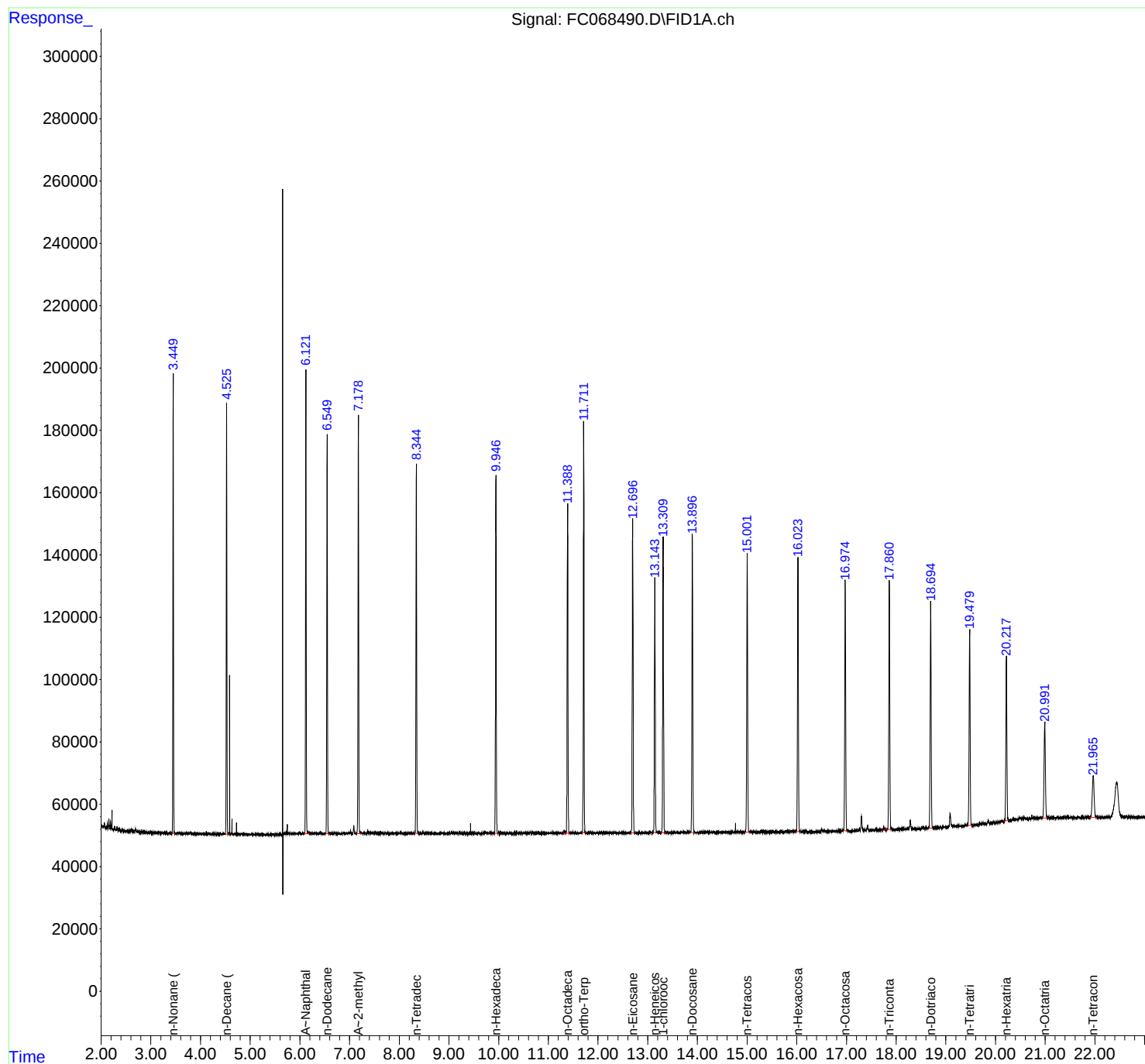
(m)=manual int.

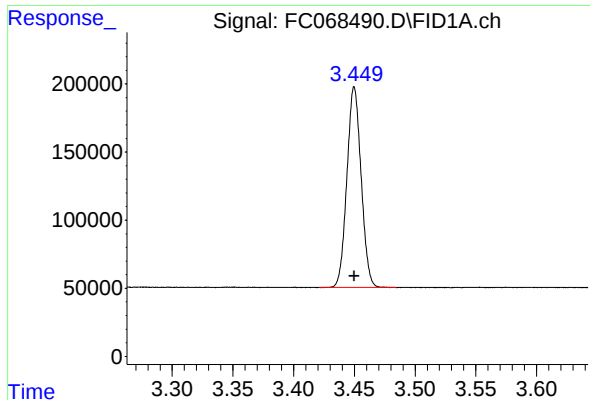
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040225AL\
Data File : FC068490.D
Signal(s) : FID1A.ch
Acq On : 02 Apr 2025 17:45
Operator : YP/AJ
Sample : 10 PPM ALIPHATIC HC STD4
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4

Integration File: autoint1.e
Quant Time: Apr 02 18:44:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040225.M
Quant Title : GC Extractables
QLast Update : Wed Apr 02 18:36:21 2025
Response via : Initial Calibration
Integrator: ChemStation

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

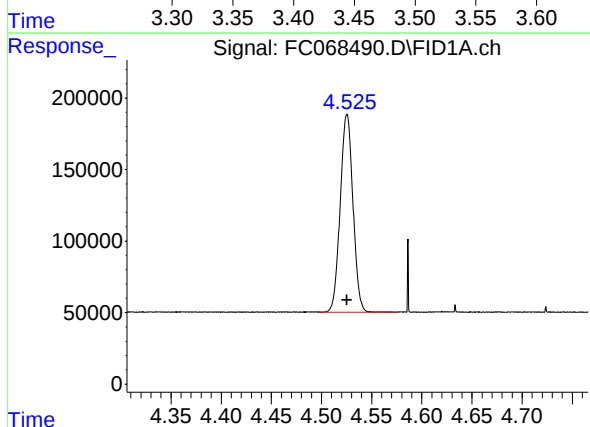




#1 n-Nonane (C9)

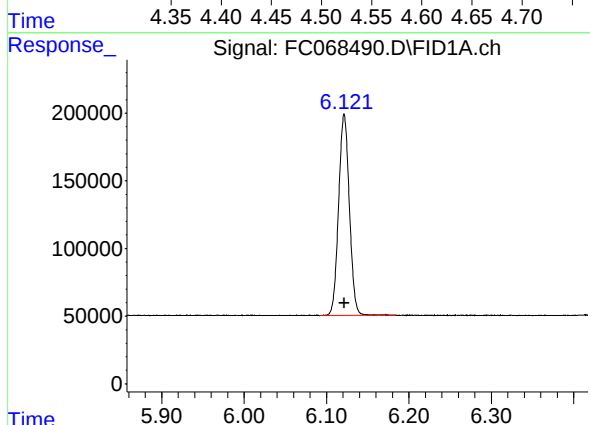
R.T.: 3.450 min
Delta R.T.: 0.000 min
Response: 1201876
Conc: 10.87 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



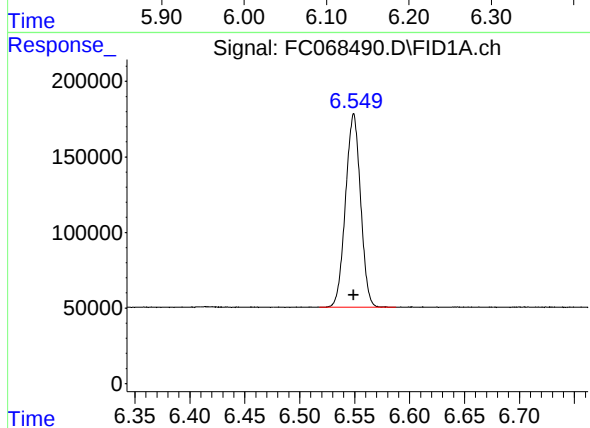
#2 n-Decane (C10)

R.T.: 4.525 min
Delta R.T.: 0.000 min
Response: 1219789
Conc: 10.86 ug/ml



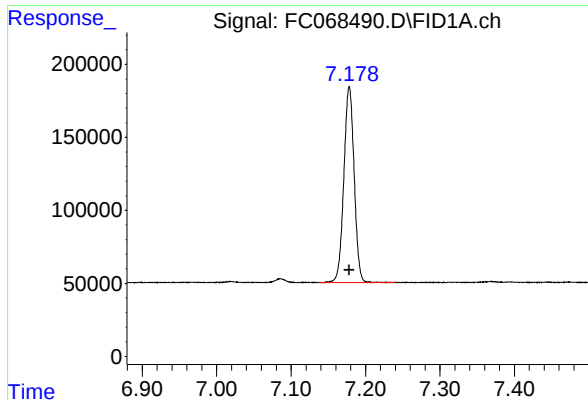
#3 A~Naphthalene (C11.7)

R.T.: 6.121 min
Delta R.T.: 0.000 min
Response: 1349544
Conc: 10.86 ug/ml



#4 n-Dodecane (C12)

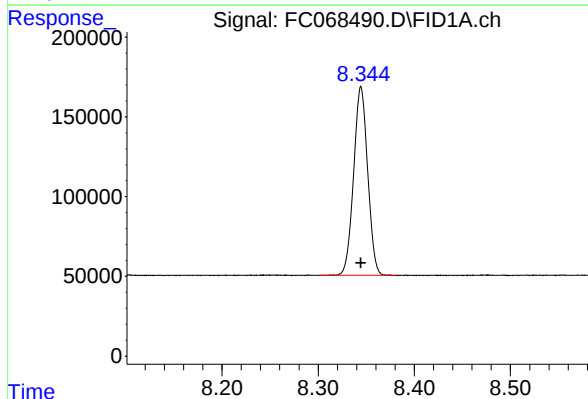
R.T.: 6.549 min
Delta R.T.: 0.000 min
Response: 1219403
Conc: 10.88 ug/ml



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

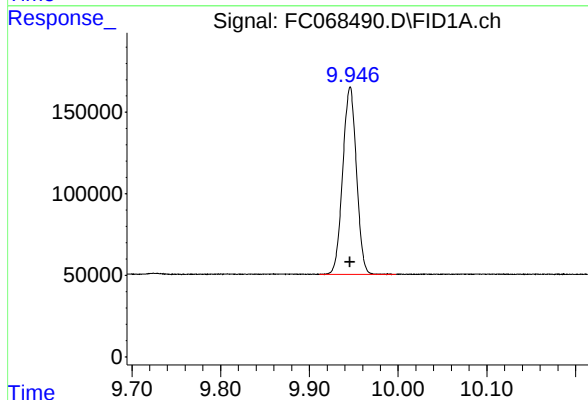
R.T.: 7.178 min
Delta R.T.: 0.000 min
Response: 1290927
Conc: 10.86 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



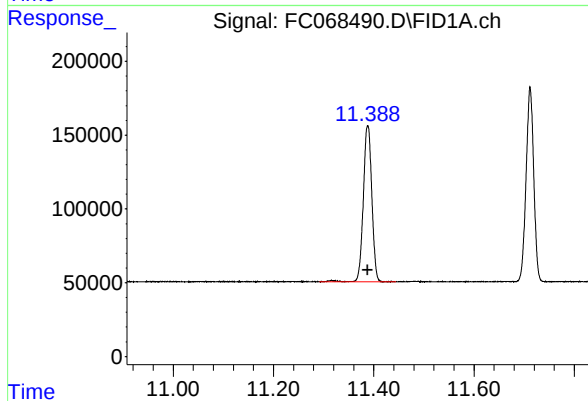
#6 n-Tetradecane (C14)

R.T.: 8.345 min
Delta R.T.: 0.000 min
Response: 1202170
Conc: 10.90 ug/ml



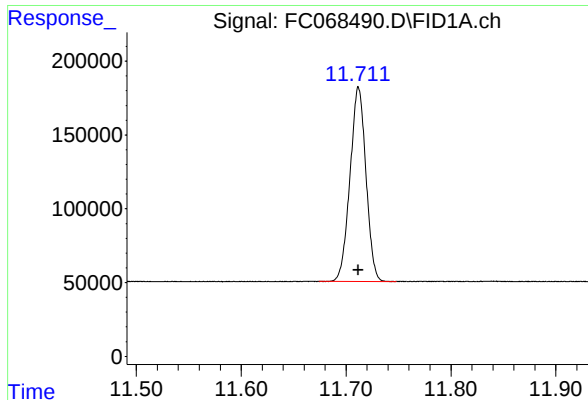
#7 n-Hexadecane (C16)

R.T.: 9.946 min
Delta R.T.: 0.000 min
Response: 1233954
Conc: 10.91 ug/ml



#8 n-Octadecane (C18)

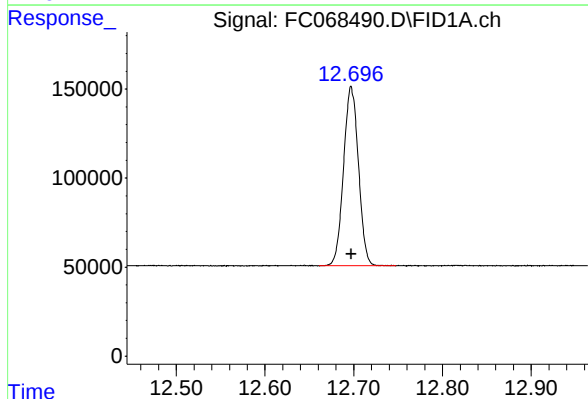
R.T.: 11.388 min
Delta R.T.: 0.000 min
Response: 1246935
Conc: 11.02 ug/ml



#9 ortho-Terphenyl (SURR)

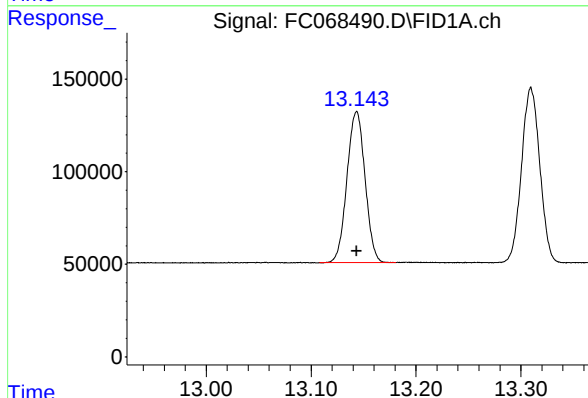
R.T.: 11.712 min
Delta R.T.: 0.000 min
Response: 1390233
Conc: 10.90 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



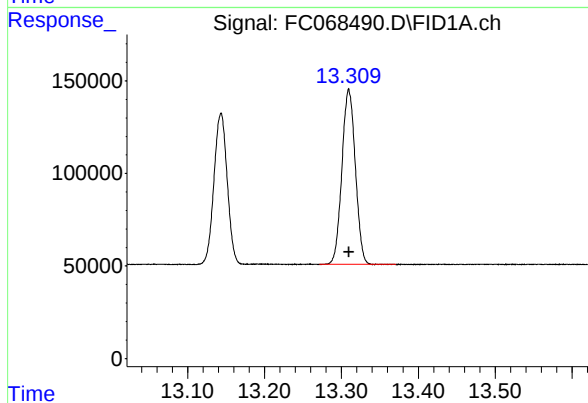
#10 n-Eicosane (C20)

R.T.: 12.697 min
Delta R.T.: 0.000 min
Response: 1173081
Conc: 10.91 ug/ml



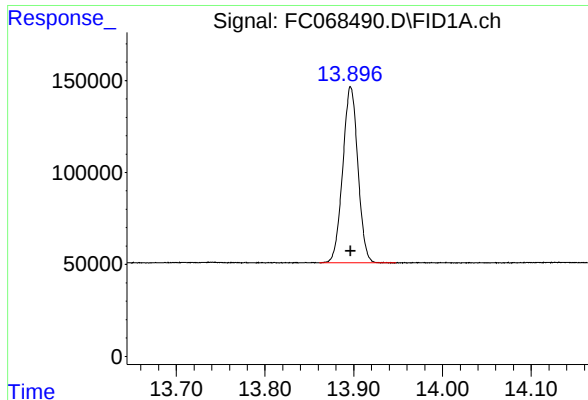
#11 n-Heneicosane (C21)

R.T.: 13.143 min
Delta R.T.: 0.000 min
Response: 976829
Conc: 10.71 ug/ml



#12 1-chlorooctadecane (SURR)

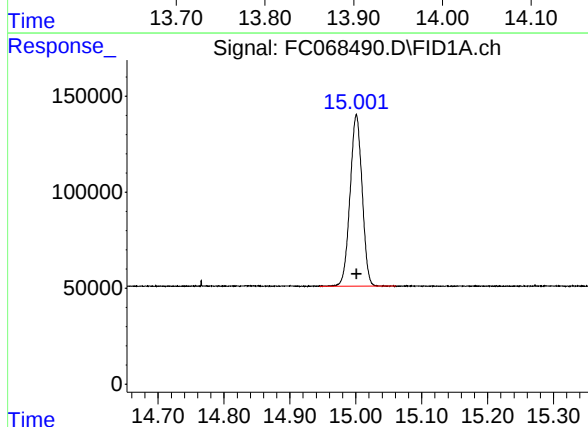
R.T.: 13.310 min
Delta R.T.: 0.000 min
Response: 1145180
Conc: 10.86 ug/ml



#13 n-Docosane (C22)

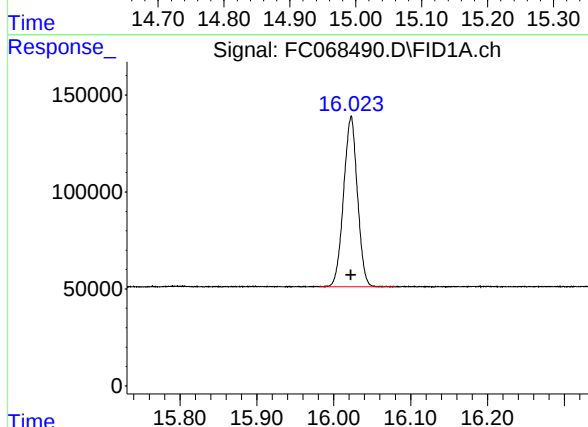
R.T.: 13.897 min
Delta R.T.: 0.000 min
Response: 1135158
Conc: 10.83 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



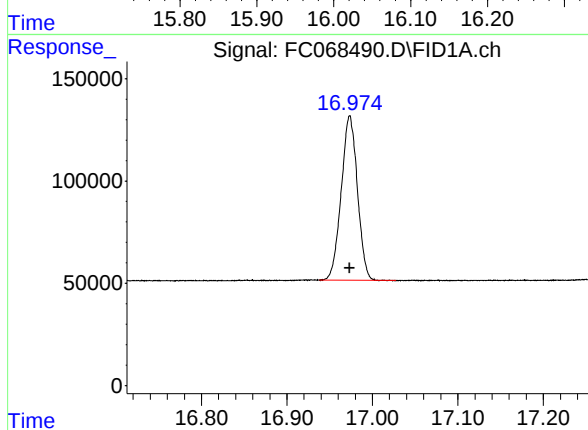
#14 n-Tetracosane (C24)

R.T.: 15.001 min
Delta R.T.: 0.000 min
Response: 1133376
Conc: 10.81 ug/ml



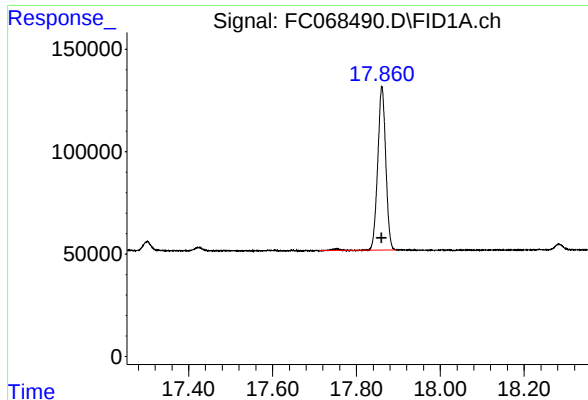
#15 n-Hexacosane (C26)

R.T.: 16.022 min
Delta R.T.: 0.000 min
Response: 1092872
Conc: 10.65 ug/ml



#16 n-Octacosane (C28)

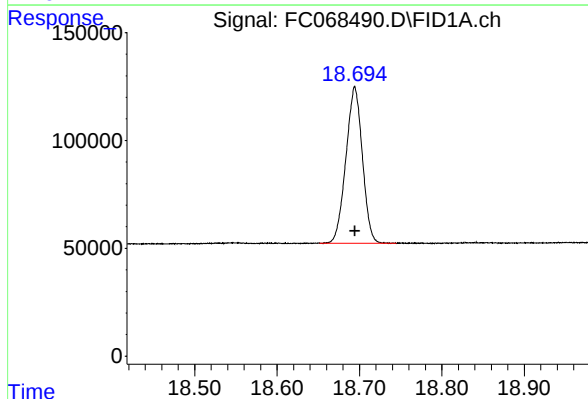
R.T.: 16.974 min
Delta R.T.: 0.000 min
Response: 1058084
Conc: 10.57 ug/ml



#17 n-Tricontane (C30)

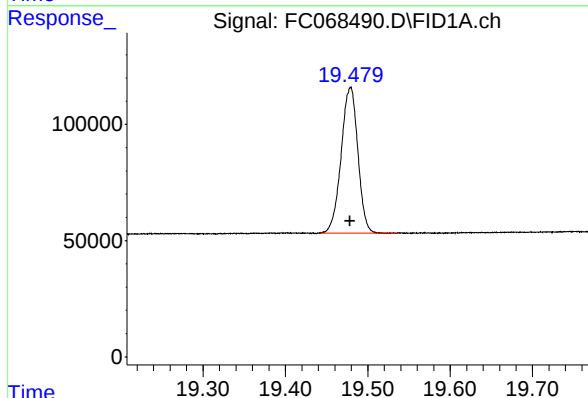
R.T.: 17.861 min
Delta R.T.: 0.000 min
Response: 1069974
Conc: 10.60 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



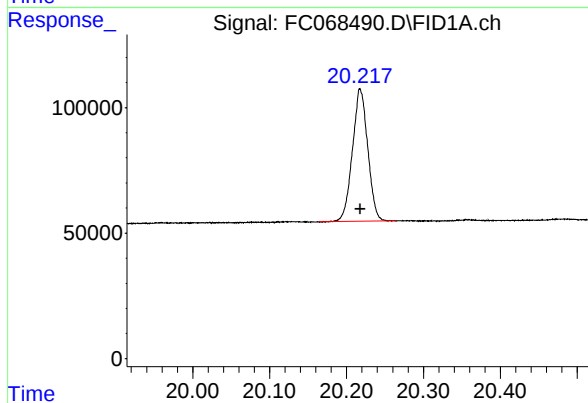
#18 n-Dotriacontane (C32)

R.T.: 18.694 min
Delta R.T.: 0.000 min
Response: 1005787
Conc: 10.49 ug/ml



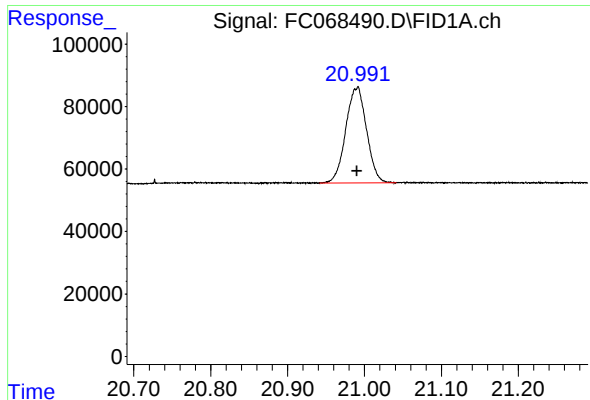
#19 n-Tetratriacontane (C34)

R.T.: 19.479 min
Delta R.T.: 0.000 min
Response: 883903
Conc: 10.23 ug/ml



#20 n-Hexatriacontane (C36)

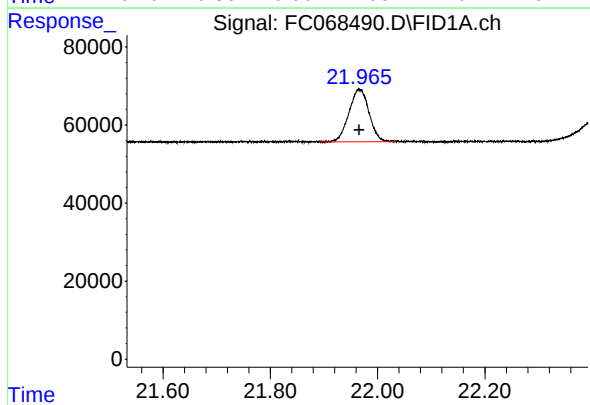
R.T.: 20.218 min
Delta R.T.: 0.000 min
Response: 730670
Conc: 9.84 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.990 min
Delta R.T.: 0.000 min
Response: 574412
Conc: 9.01 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



#22 n-Tetracontane (C40)

R.T.: 21.966 min
Delta R.T.: 0.000 min
Response: 348193
Conc: 7.07 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040225AL\
 Data File : FC068490.D
 Signal(s) : FID1A.ch
 Acq On : 02 Apr 2025 17:45
 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 040225.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	3.485	BB	147070	1201948	86.23%	5.054%
2	4.525	4.470	4.567	BB	138153	1219712	87.51%	5.129%
3	5.654	5.622	5.673	BB	89906	99529	7.14%	0.419%
4	6.122	6.060	6.190	BB	148699	1350754	96.91%	5.680%
5	6.549	6.497	6.587	BB	127617	1220045	87.53%	5.130%
6	7.178	7.115	7.225	BB	134219	1288889	92.47%	5.420%
7	8.345	8.292	8.382	BB	118254	1203274	86.33%	5.060%
8	9.946	9.882	9.997	BB	114476	1232444	88.42%	5.183%
9	11.388	11.343	11.423	BB	105736	1233569	88.50%	5.187%
10	11.712	11.652	11.747	BB	131923	1393818	100.00%	5.861%
11	12.697	12.642	12.748	BB	100660	1171298	84.04%	4.925%
12	13.143	13.082	13.175	BB	81787	976483	70.06%	4.106%
13	13.310	13.247	13.344	BB	94476	1144693	82.13%	4.814%
14	13.897	13.828	13.940	BB	95508	1136151	81.51%	4.778%
15	15.001	14.935	15.045	BB	89105	1133153	81.30%	4.765%
16	16.022	15.963	16.073	BB	87324	1094113	78.50%	4.601%
17	16.974	16.912	17.025	BB	80482	1062625	76.24%	4.468%
18	17.861	17.793	17.895	BB	80101	1064269	76.36%	4.475%
19	18.694	18.627	18.745	BB	72752	1010448	72.49%	4.249%
20	19.479	19.440	19.535	BB	62698	885284	63.52%	3.723%
21	20.218	20.155	20.265	BB	52210	731617	52.49%	3.077%
22	20.990	20.917	21.060	BB	30178	577919	41.46%	2.430%
23	21.966	21.880	22.047	BB	13217	348626	25.01%	1.466%
Sum of corrected areas:							23780663	

Aliphatic EPH 040225.M Thu Apr 03 04:44:46 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040225AL\
 Data File : FC068491.D
 Signal(s) : FID1A.ch
 Acq On : 02 Apr 2025 19:00
 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 03 04:11:03 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040225.M
 Quant Title : GC Extractables
 QLast Update : Wed Apr 02 19:03:12 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)	11.713	671418	5.241 ug/ml
Spiked Amount 50.000		Recovery =	10.48%
12) S 1-chlorooctadecane (S...	13.312	558601	5.270 ug/ml
Spiked Amount 50.000		Recovery =	10.54%
Target Compounds			
1) T n-Nonane (C9)	3.449	575716	5.191 ug/ml
2) T n-Decane (C10)	4.457f	666236	5.910 ug/ml
3) T A~Naphthalene (C11.7)	6.121	643451	5.170 ug/ml
4) T n-Dodecane (C12)	6.549	585398	5.201 ug/ml
5) T A~2-methylnaphthalene...	7.178	615511	5.165 ug/ml
6) T n-Tetradecane (C14)	8.345	582110	5.253 ug/ml
7) T n-Hexadecane (C16)	9.947	597037	5.256 ug/ml
8) T n-Octadecane (C18)	11.389	602829	5.292 ug/mlm
10) T n-Eicosane (C20)	12.699	585838	5.397 ug/ml
11) T n-Heneicosane (C21)	13.146	476560	5.220 ug/ml
13) T n-Docosane (C22)	13.897	602914	5.626 ug/ml
14) T n-Tetracosane (C24)	15.002	689645	6.234 ug/ml
15) T n-Hexacosane (C26)	16.024	727762	6.588 ug/ml
16) T n-Octacosane (C28)	16.973	745209	6.804 ug/mlm
17) T n-Tricontane (C30)	17.861	741958	6.733 ug/mlm
18) T n-Dotriacontane (C32)	18.695	682032	6.572 ug/ml
19) T n-Tetratriacontane (C34)	19.479	514685	5.736 ug/ml
20) T n-Hexatriacontane (C36)	20.220	386018	5.169 ug/ml
21) T n-Octatriacontane (C38)	20.992	287493	4.629 ug/ml
22) T n-Tetracontane (C40)	21.968	191044	4.143 ug/mlm

(f)=RT Delta > 1/2 Window

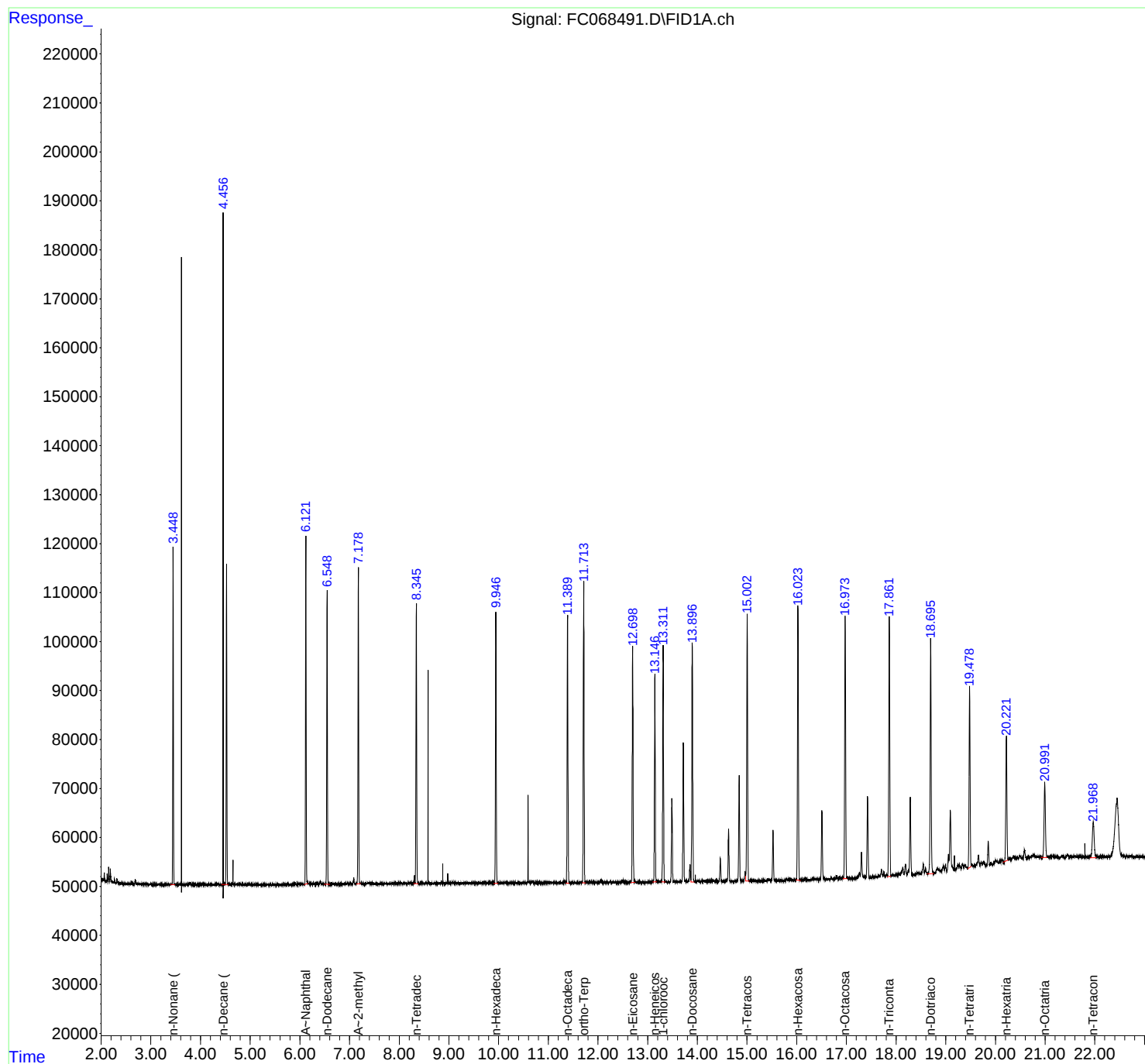
(m)=manual int.

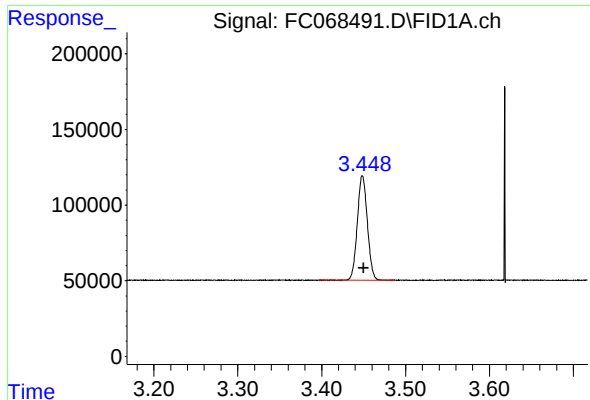
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040225AL\
Data File : FC068491.D
Signal(s) : FID1A.ch
Acq On : 02 Apr 2025 19:00
Operator : YP/AJ
Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5

Integration File: autoint1.e
Quant Time: Apr 03 04:11:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040225.M
Quant Title : GC Extractables
QLast Update : Wed Apr 02 19:03:12 2025
Response via : Initial Calibration
Integrator: ChemStation

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

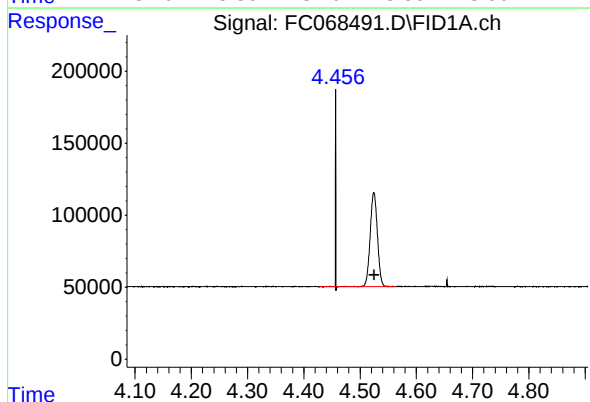




#1 n-Nonane (C9)

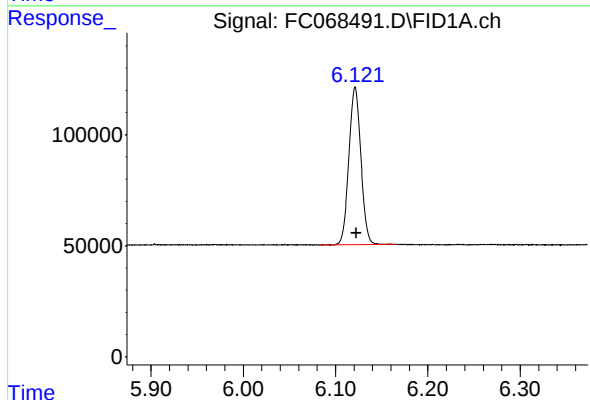
R.T.: 3.449 min
Delta R.T.: -0.001 min
Response: 575716
Conc: 5.19 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



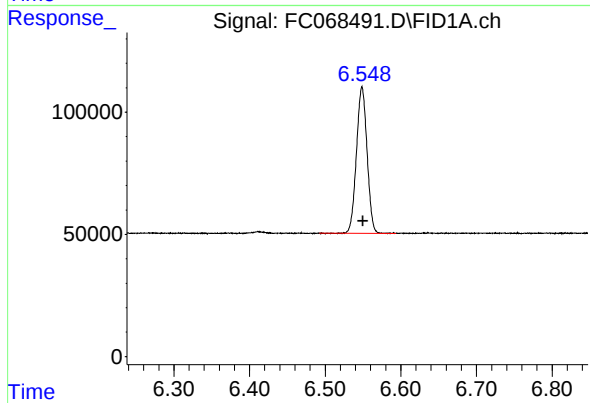
#2 n-Decane (C10)

R.T.: 4.457 min
Delta R.T.: -0.009 min
Response: 666236
Conc: 5.91 ug/ml



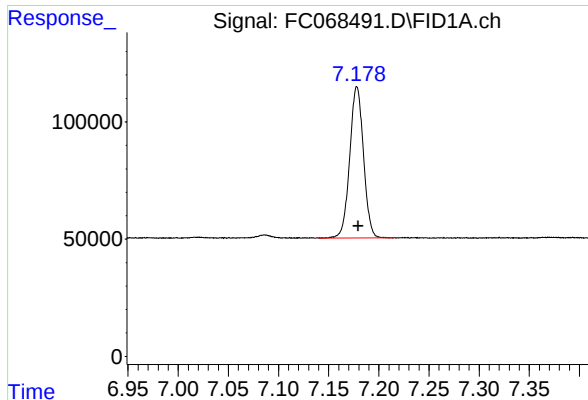
#3 A~Naphthalene (C11.7)

R.T.: 6.121 min
Delta R.T.: -0.001 min
Response: 643451
Conc: 5.17 ug/ml



#4 n-Dodecane (C12)

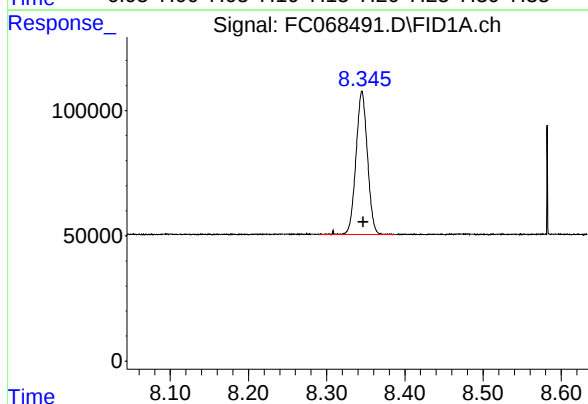
R.T.: 6.549 min
Delta R.T.: -0.001 min
Response: 585398
Conc: 5.20 ug/ml



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

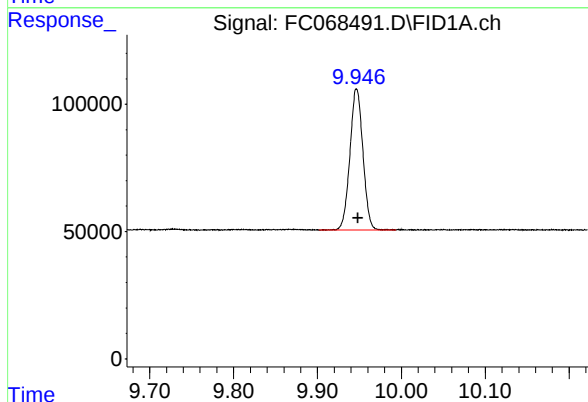
R.T.: 7.178 min
Delta R.T.: -0.002 min
Response: 615511
Conc: 5.16 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



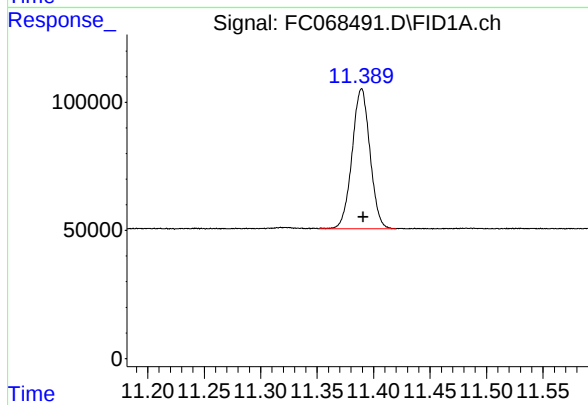
#6 n-Tetradecane (C14)

R.T.: 8.345 min
Delta R.T.: -0.002 min
Response: 582110
Conc: 5.25 ug/ml



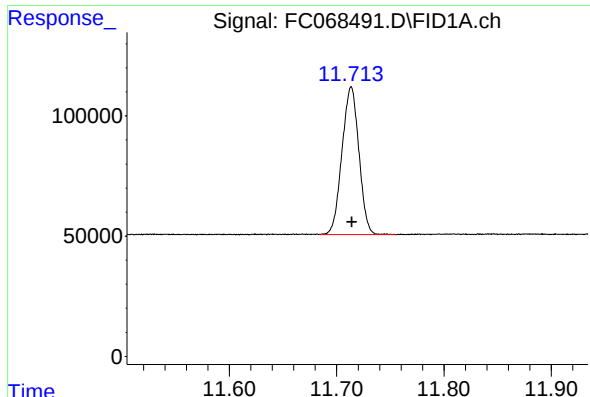
#7 n-Hexadecane (C16)

R.T.: 9.947 min
Delta R.T.: -0.002 min
Response: 597037
Conc: 5.26 ug/ml



#8 n-Octadecane (C18)

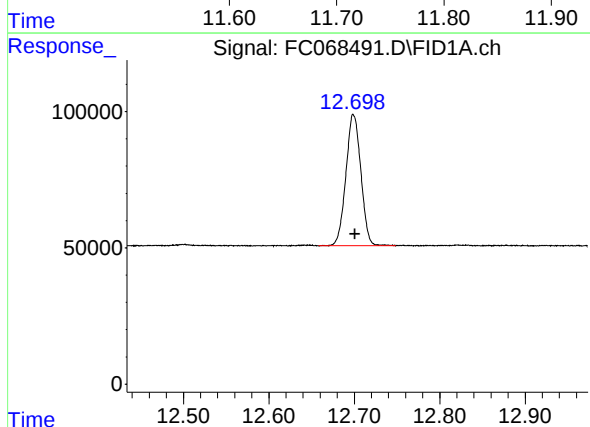
R.T.: 11.389 min
Delta R.T.: -0.002 min
Response: 602829
Conc: 5.29 ug/ml m



#9 ortho-Terphenyl (SURR)

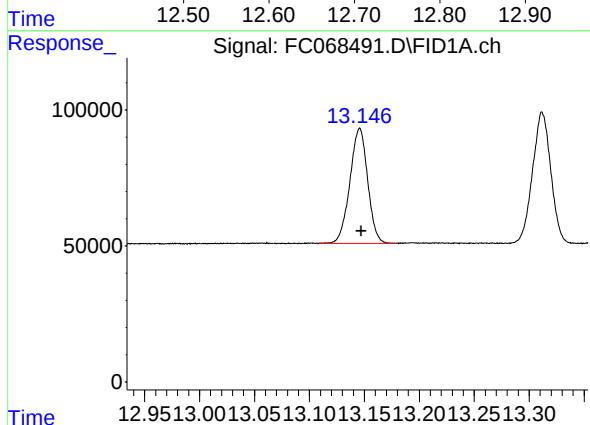
R.T.: 11.713 min
Delta R.T.: 0.000 min
Response: 671418
Conc: 5.24 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



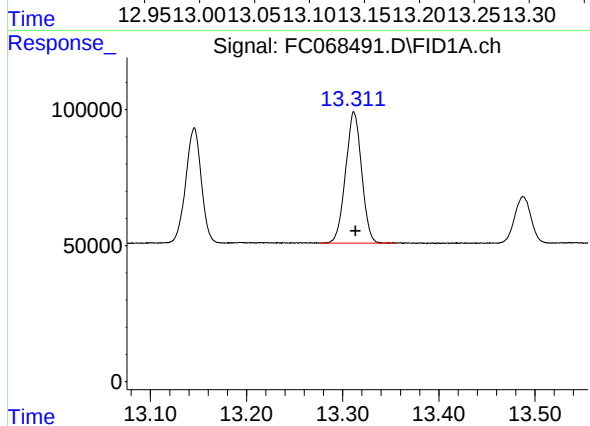
#10 n-Eicosane (C20)

R.T.: 12.699 min
Delta R.T.: -0.002 min
Response: 585838
Conc: 5.40 ug/ml



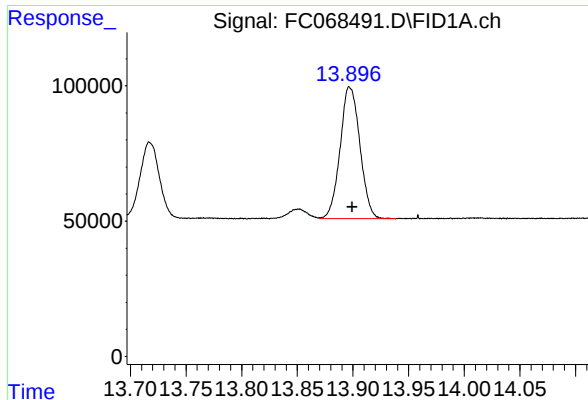
#11 n-Heneicosane (C21)

R.T.: 13.146 min
Delta R.T.: -0.002 min
Response: 476560
Conc: 5.22 ug/ml



#12 1-chlorooctadecane (SURR)

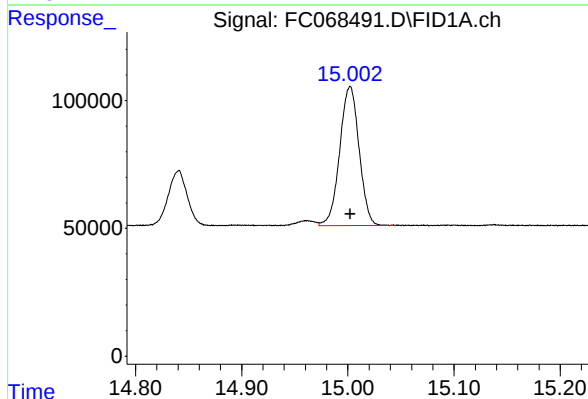
R.T.: 13.312 min
Delta R.T.: -0.002 min
Response: 558601
Conc: 5.27 ug/ml



#13 n-Docosane (C22)

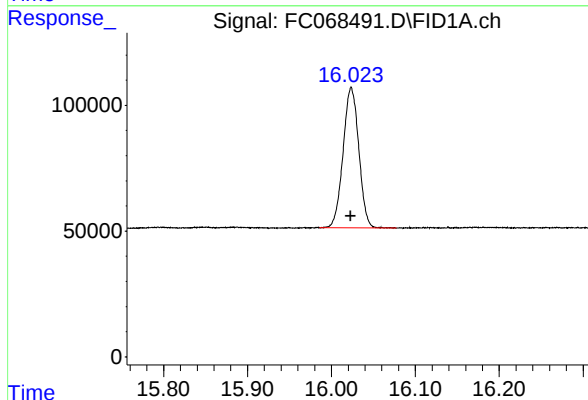
R.T.: 13.897 min
Delta R.T.: -0.002 min
Response: 602914
Conc: 5.63 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



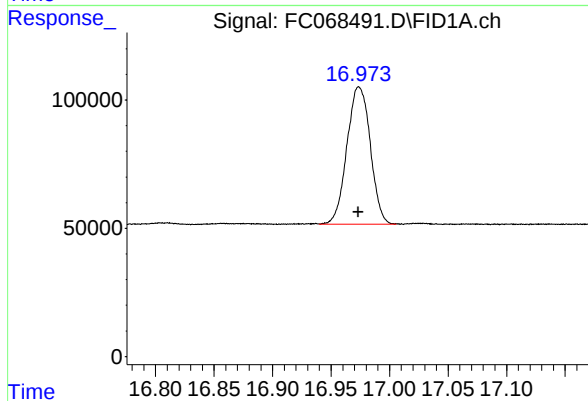
#14 n-Tetracosane (C24)

R.T.: 15.002 min
Delta R.T.: 0.000 min
Response: 689645
Conc: 6.23 ug/ml



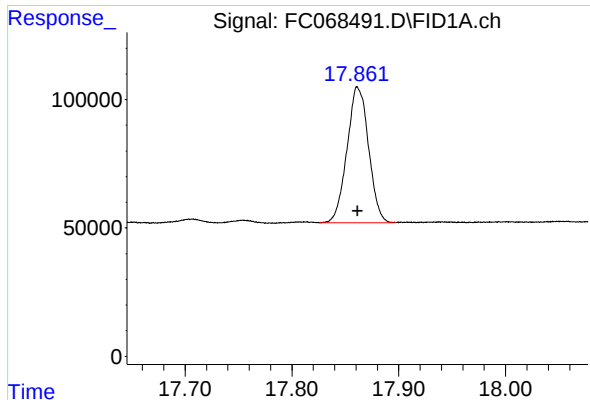
#15 n-Hexacosane (C26)

R.T.: 16.024 min
Delta R.T.: 0.000 min
Response: 727762
Conc: 6.59 ug/ml



#16 n-Octacosane (C28)

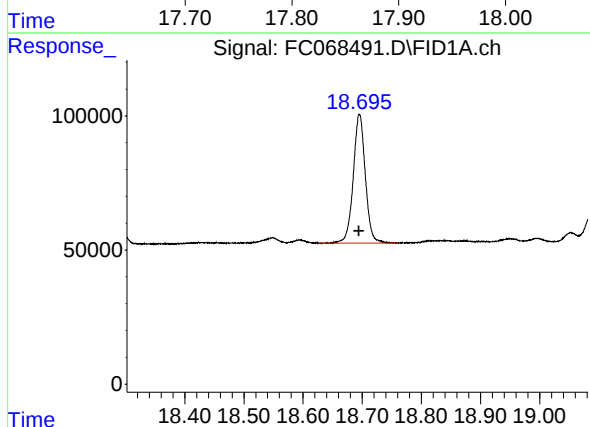
R.T.: 16.973 min
Delta R.T.: 0.000 min
Response: 745209
Conc: 6.80 ug/ml m



#17 n-Tricontane (C30)

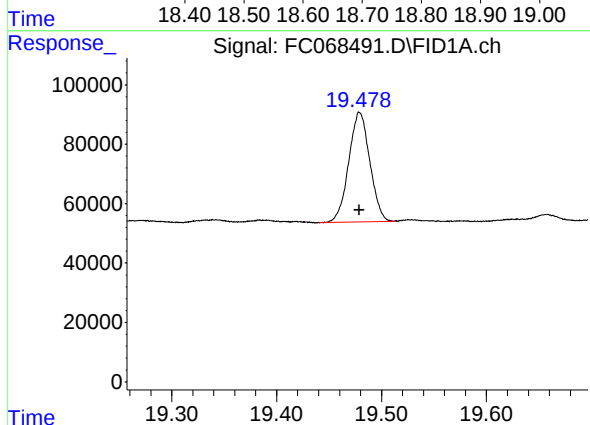
R.T.: 17.861 min
Delta R.T.: 0.000 min
Response: 741958
Conc: 6.73 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



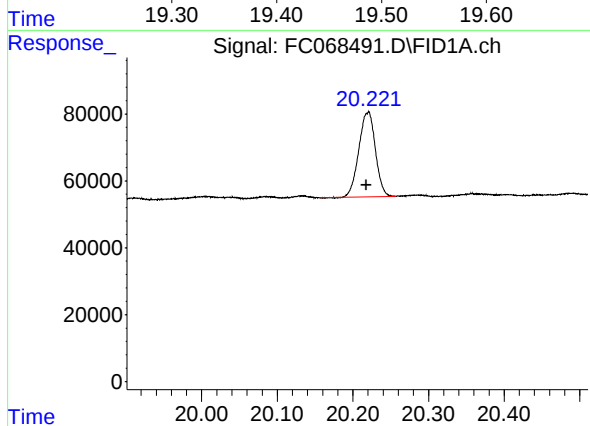
#18 n-Dotriacontane (C32)

R.T.: 18.695 min
Delta R.T.: 0.000 min
Response: 682032
Conc: 6.57 ug/ml



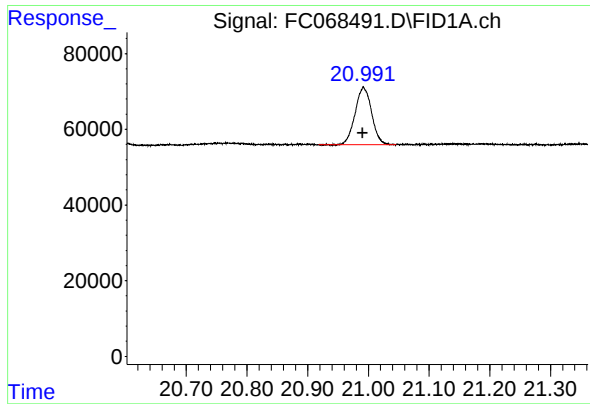
#19 n-Tetatriacontane (C34)

R.T.: 19.479 min
Delta R.T.: 0.000 min
Response: 514685
Conc: 5.74 ug/ml



#20 n-Hexatriacontane (C36)

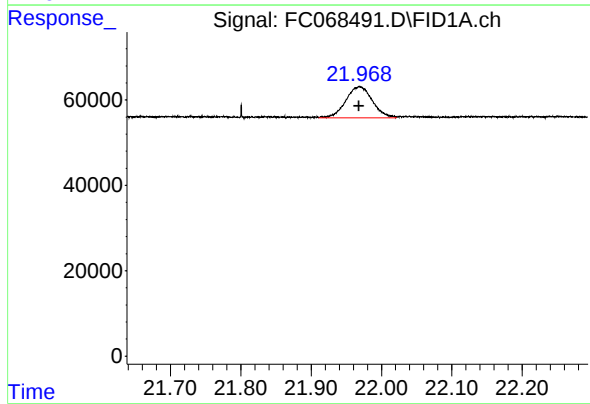
R.T.: 20.220 min
Delta R.T.: 0.002 min
Response: 386018
Conc: 5.17 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.992 min
Delta R.T.: 0.001 min
Response: 287493
Conc: 4.63 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



#22 n-Tetracontane (C40)

R.T.: 21.968 min
Delta R.T.: 0.000 min
Response: 191044
Conc: 4.14 ug/ml m

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040225AL\
Data File : FC068491.D
Signal(s) : FID1A.ch
Acq On : 02 Apr 2025 19:00
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 040225.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	3.397	3.489	BB	68941	575716	75.90%	4.546%
2	4.524	4.499	4.556	M	65478	586317	77.30%	4.630%
3	6.121	6.082	6.165	BB	71288	643451	84.83%	5.081%
4	6.549	6.492	6.594	BB	59963	585398	77.18%	4.622%
5	7.178	7.140	7.217	BB	64496	615511	81.15%	4.860%
6	8.345	8.290	8.389	BB	57228	582110	76.74%	4.596%
7	9.947	9.902	9.994	BB	55351	597037	78.71%	4.714%
8	11.389	11.295	11.429	BB	54614	608753	80.26%	4.807%
9	11.713	11.684	11.755	BB	61634	671418	88.52%	5.301%
10	12.699	12.659	12.749	BB	48124	585838	77.24%	4.626%
11	13.146	13.109	13.179	BB	42333	476560	62.83%	3.763%
12	13.312	13.275	13.355	BB	48126	558601	73.64%	4.411%
13	13.897	13.870	13.939	VB	48568	602914	79.49%	4.761%
14	15.002	14.973	15.045	VB	54425	689645	90.92%	5.445%
15	16.024	15.985	16.077	BB	55890	727762	95.95%	5.746%
16	16.974	16.834	17.012	BB	53563	758512	100.00%	5.989%
17	17.862	17.789	17.895	BB	52419	747589	98.56%	5.903%
18	18.695	18.627	18.757	BB	48018	682032	89.92%	5.385%
19	19.479	19.440	19.514	BV	36958	514685	67.85%	4.064%
20	20.220	20.155	20.257	BB	25283	386018	50.89%	3.048%
21	20.992	20.919	21.045	BB	15280	287493	37.90%	2.270%
22	21.969	21.895	22.020	BB	7175	181436	23.92%	1.433%
Sum of corrected areas:							12664796	

Aliphatic EPH 040225.M Thu Apr 03 04:45:38 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040225AL\
 Data File : FC068492.D
 Signal(s) : FID1A.ch
 Acq On : 02 Apr 2025 20:13
 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 03 07:42:36 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040225.M
 Quant Title : GC Extractables
 QLast Update : Thu Apr 03 07:41:29 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.716	2591401	20.108 ug/ml
Spiked Amount 50.000		Recovery =	40.22%
12) S 1-chlorooctadecane (S...	13.314	2149147	20.148 ug/ml
Spiked Amount 50.000		Recovery =	40.30%
Target Compounds			
1) T n-Nonane (C9)	3.448	2242104	20.116 ug/ml
2) T n-Decane (C10)	4.525	2274575	19.529 ug/ml
3) T A~Naphthalene (C11.7)	6.122	2513231	20.079 ug/ml
4) T n-Dodecane (C12)	6.550	2271902	20.085 ug/ml
5) T A~2-methylnaphthalene...	7.179	2400525	20.045 ug/ml
6) T n-Tetradecane (C14)	8.347	2242147	20.107 ug/ml
7) T n-Hexadecane (C16)	9.949	2292596	20.041 ug/ml
8) T n-Octadecane (C18)	11.392	2297837	20.041 ug/ml
10) T n-Eicosane (C20)	12.702	2190226	20.008 ug/ml
11) T n-Heneicosane (C21)	13.147	1866216	20.284 ug/ml
13) T n-Docosane (C22)	13.900	2138064	19.807 ug/ml
14) T n-Tetracosane (C24)	15.003	2142674	19.220 ug/ml
15) T n-Hexacosane (C26)	16.025	2106089	18.941 ug/ml
16) T n-Octacosane (C28)	16.975	2058682	18.734 ug/ml
17) T n-Tricontane (C30)	17.863	2080957	18.846 ug/ml
18) T n-Dotriacontane (C32)	18.696	1978446	19.022 ug/ml
19) T n-Tetratriacontane (C34)	19.480	1792702	19.988 ug/ml
20) T n-Hexatriacontane (C36)	20.219	1551401	20.729 ug/ml
21) T n-Octatriacontane (C38)	20.994	1342897	21.495 ug/ml
22) T n-Tetracontane (C40)	21.969	1072756	22.792 ug/ml

(f)=RT Delta > 1/2 Window

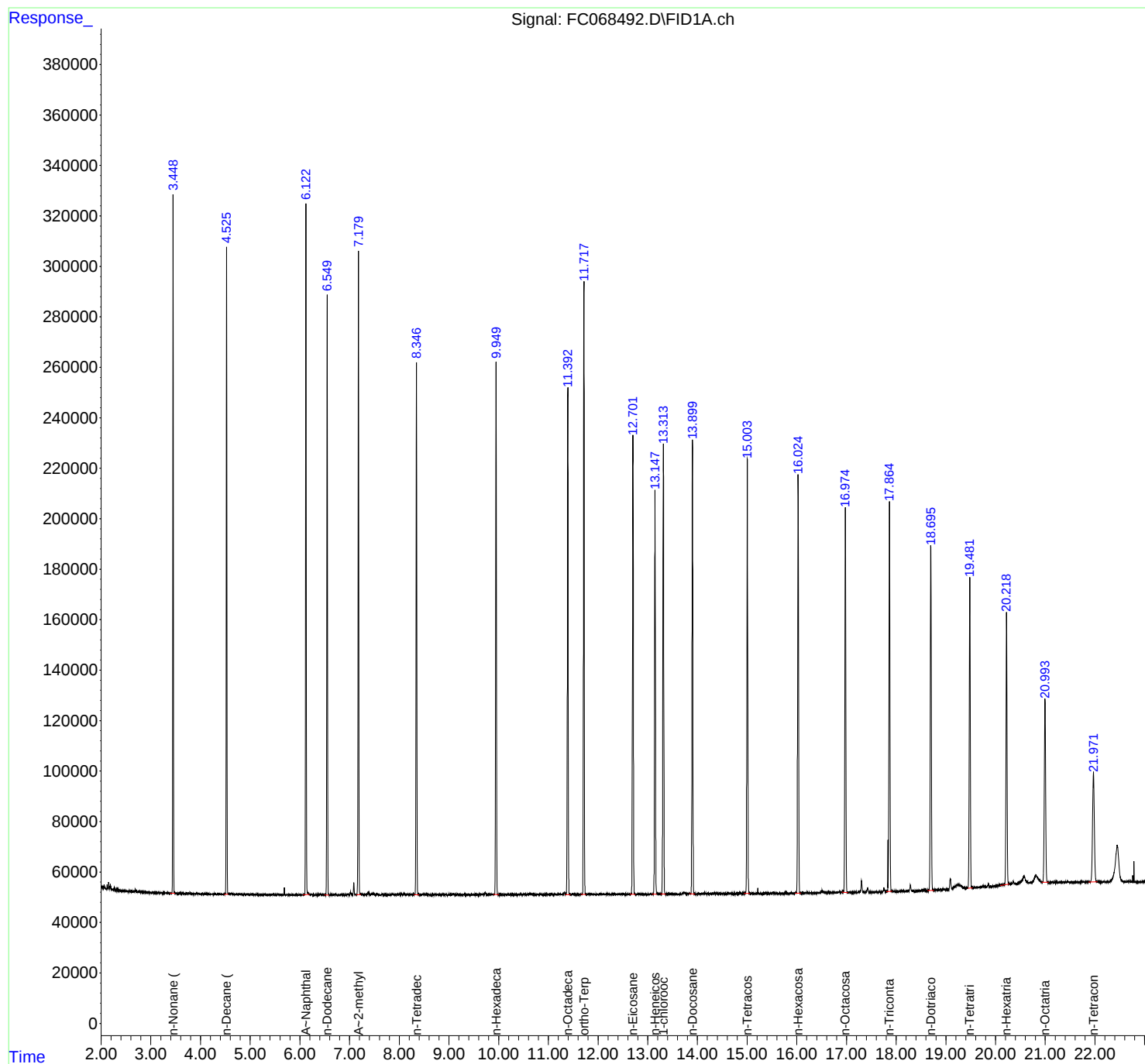
(m)=manual int.

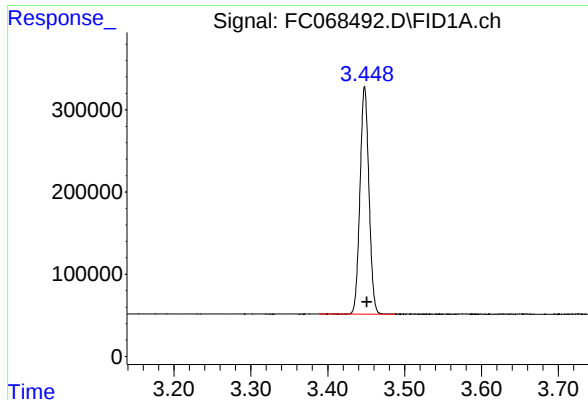
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040225AL\
Data File : FC068492.D
Signal(s) : FID1A.ch
Acq On : 02 Apr 2025 20:13
Operator : YP/AJ
Sample : 20 PPM ALIPHATIC HC STD ICV
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV

Integration File: autoint1.e
Quant Time: Apr 03 07:42:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040225.M
Quant Title : GC Extractables
QLast Update : Thu Apr 03 07:41:29 2025
Response via : Initial Calibration
Integrator: ChemStation

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

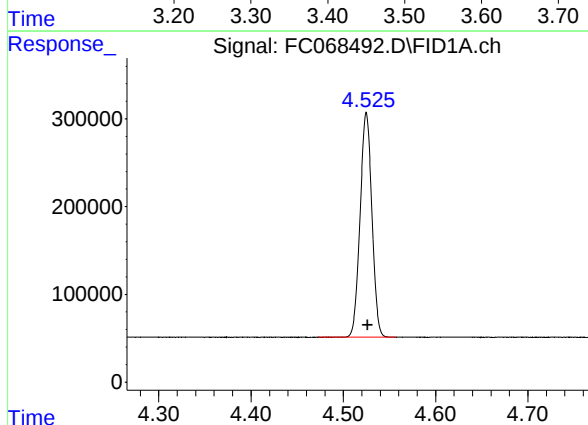




#1 n-Nonane (C9)

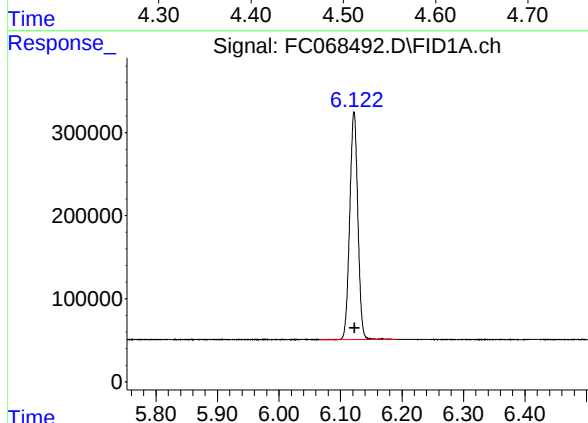
R.T.: 3.448 min
Delta R.T.: -0.003 min
Response: 2242104
Conc: 20.12 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



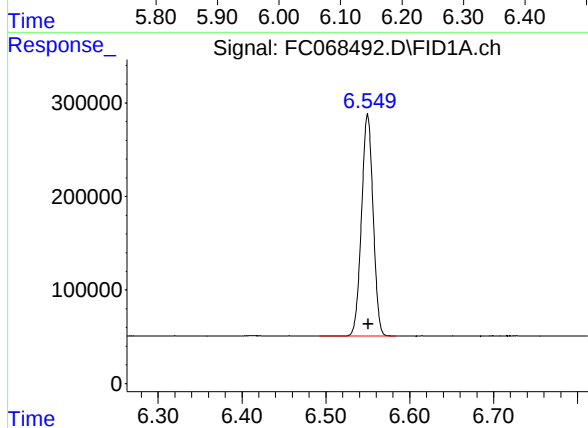
#2 n-Decane (C10)

R.T.: 4.525 min
Delta R.T.: -0.001 min
Response: 2274575
Conc: 19.53 ug/ml



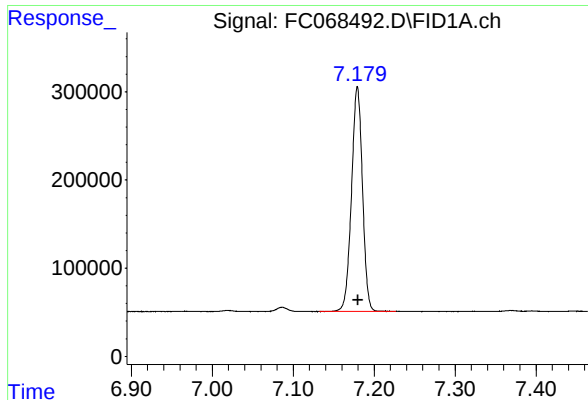
#3 A~Naphthalene (C11.7)

R.T.: 6.122 min
Delta R.T.: 0.000 min
Response: 2513231
Conc: 20.08 ug/ml



#4 n-Dodecane (C12)

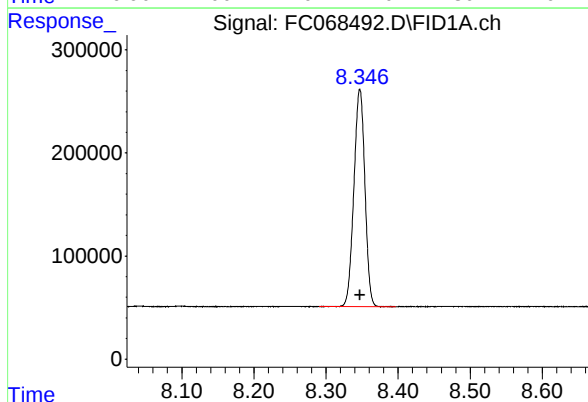
R.T.: 6.550 min
Delta R.T.: 0.000 min
Response: 2271902
Conc: 20.09 ug/ml



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

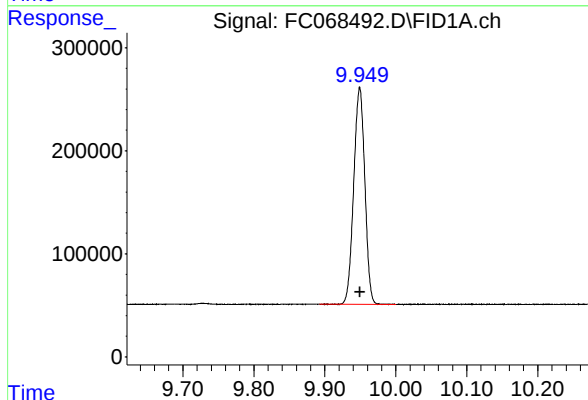
R.T.: 7.179 min
Delta R.T.: -0.001 min
Response: 2400525
Conc: 20.05 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



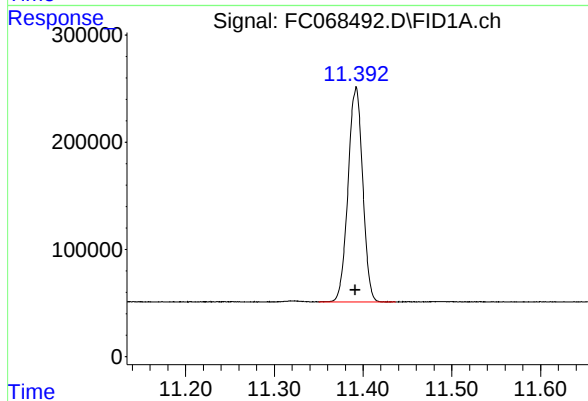
#6 n-Tetradecane (C14)

R.T.: 8.347 min
Delta R.T.: 0.000 min
Response: 2242147
Conc: 20.11 ug/ml



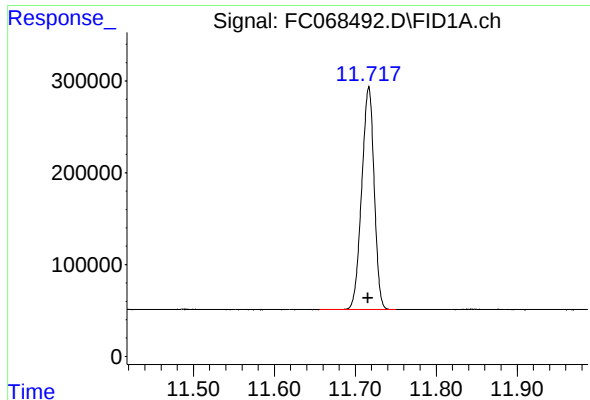
#7 n-Hexadecane (C16)

R.T.: 9.949 min
Delta R.T.: 0.000 min
Response: 2292596
Conc: 20.04 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.392 min
Delta R.T.: 0.000 min
Response: 2297837
Conc: 20.04 ug/ml



#9 ortho-Terphenyl (SURR)

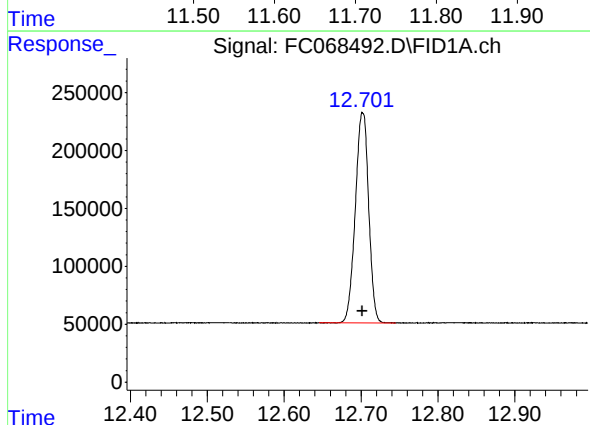
R.T.: 11.716 min
Delta R.T.: 0.000 min
Response: 2591401
Conc: 20.11 ug/ml

Instrument :

FID_C

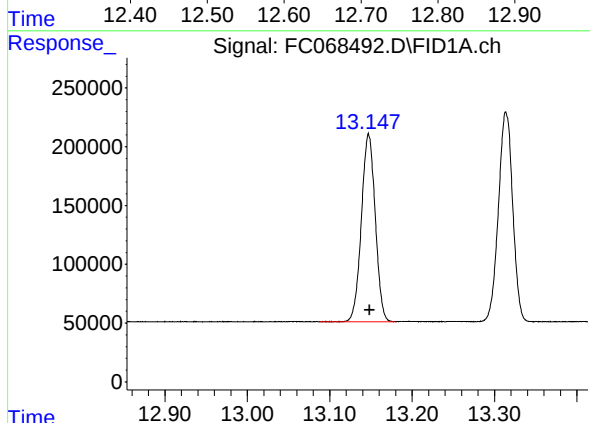
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



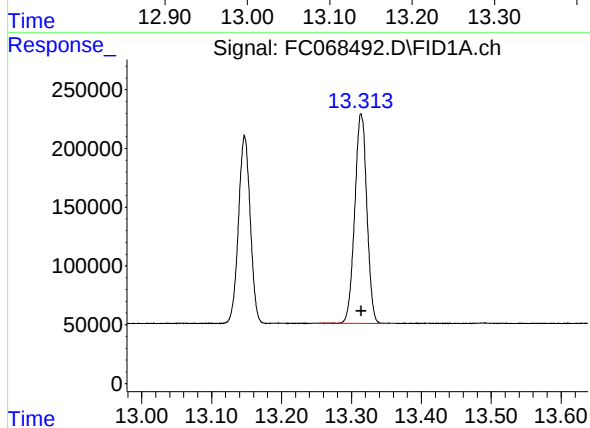
#10 n-Eicosane (C20)

R.T.: 12.702 min
Delta R.T.: 0.000 min
Response: 2190226
Conc: 20.01 ug/ml



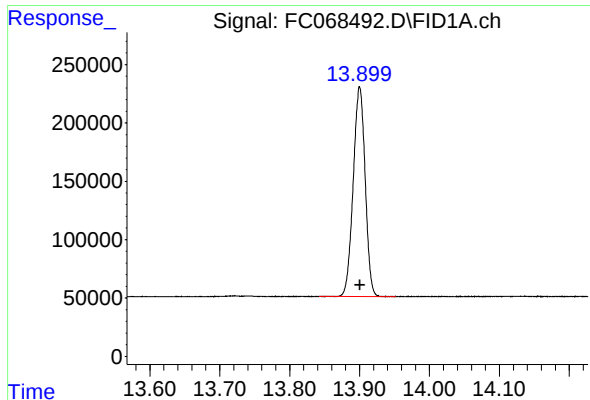
#11 n-Heneicosane (C21)

R.T.: 13.147 min
Delta R.T.: -0.001 min
Response: 1866216
Conc: 20.28 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.314 min
Delta R.T.: 0.000 min
Response: 2149147
Conc: 20.15 ug/ml



#13 n-Docosane (C22)

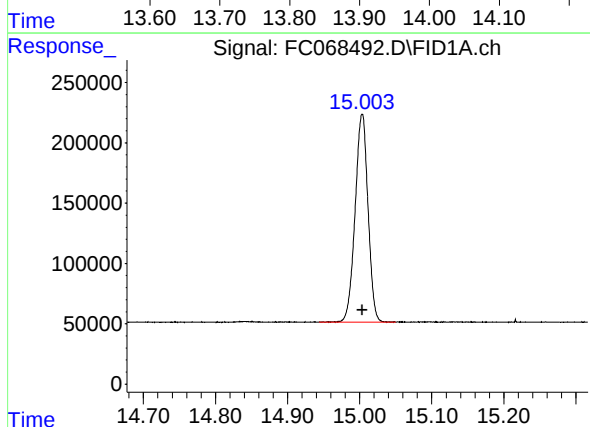
R.T.: 13.900 min
Delta R.T.: 0.000 min
Response: 2138064
Conc: 19.81 ug/ml

Instrument :

FID_C

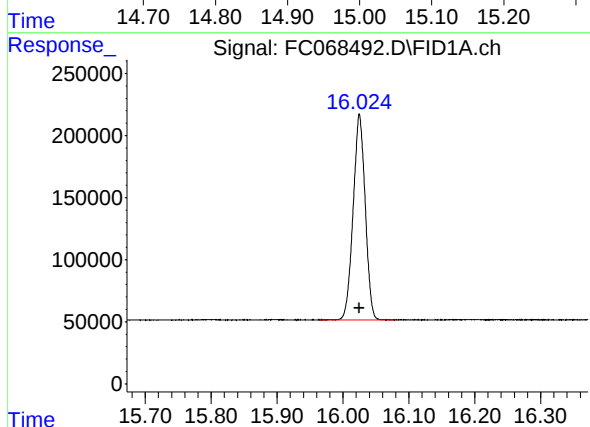
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



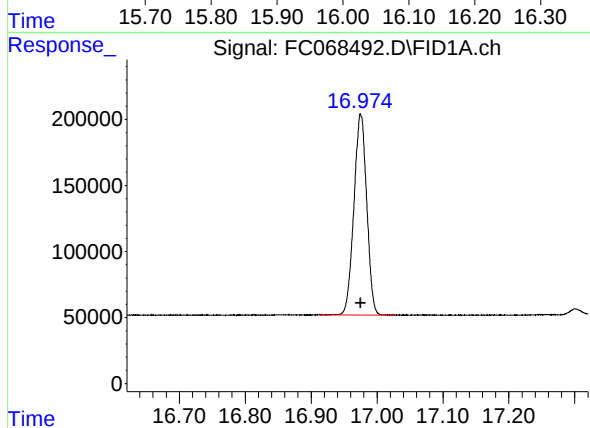
#14 n-Tetracosane (C24)

R.T.: 15.003 min
Delta R.T.: 0.000 min
Response: 2142674
Conc: 19.22 ug/ml



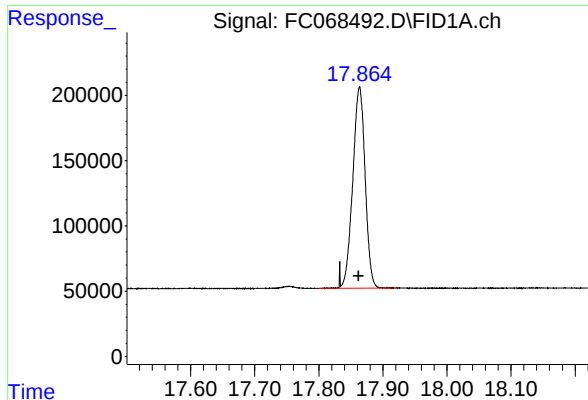
#15 n-Hexacosane (C26)

R.T.: 16.025 min
Delta R.T.: 0.000 min
Response: 2106089
Conc: 18.94 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.975 min
Delta R.T.: 0.000 min
Response: 2058682
Conc: 18.73 ug/ml



#17 n-Tricontane (C30)

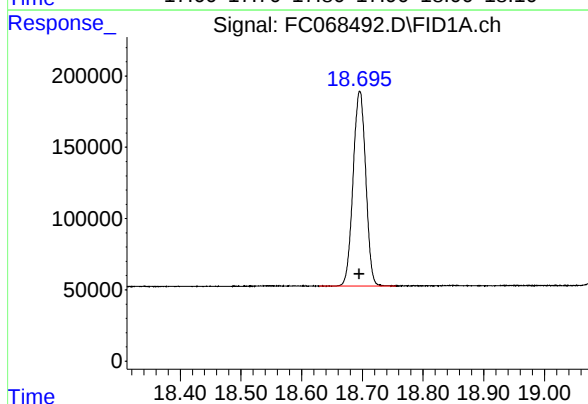
R.T.: 17.863 min
Delta R.T.: 0.000 min
Response: 2080957
Conc: 18.85 ug/ml

Instrument :

FID_C

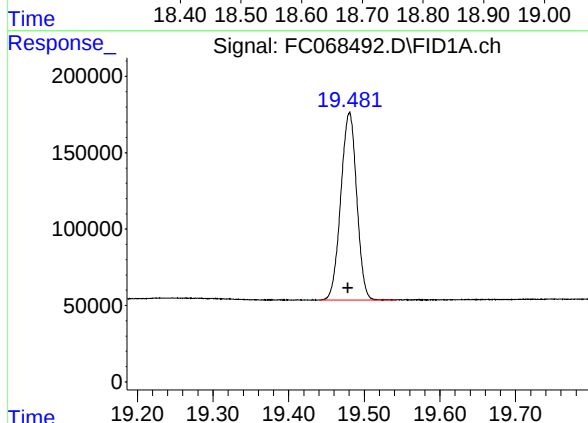
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



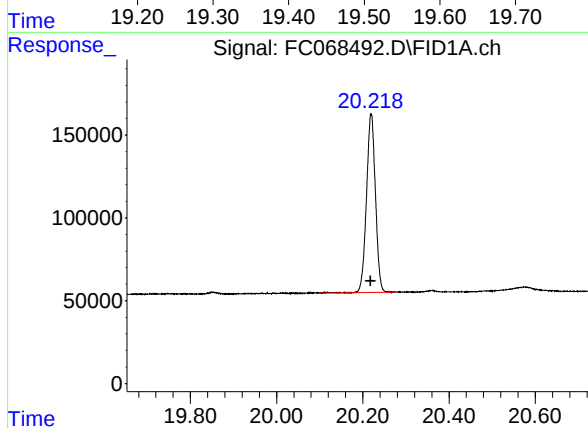
#18 n-Dotriacontane (C32)

R.T.: 18.696 min
Delta R.T.: 0.000 min
Response: 1978446
Conc: 19.02 ug/ml



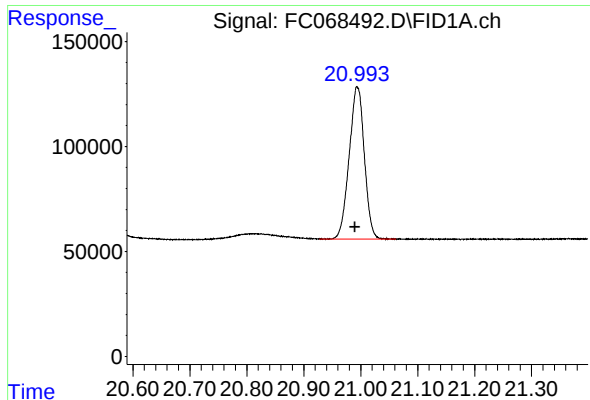
#19 n-Tetatriacontane (C34)

R.T.: 19.480 min
Delta R.T.: 0.002 min
Response: 1792702
Conc: 19.99 ug/ml



#20 n-Hexatriacontane (C36)

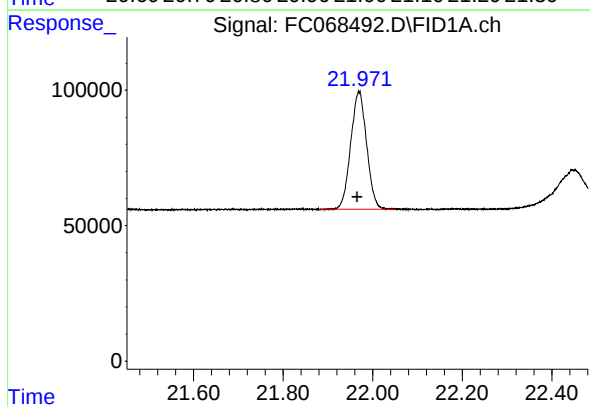
R.T.: 20.219 min
Delta R.T.: 0.000 min
Response: 1551401
Conc: 20.73 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.994 min
Delta R.T.: 0.004 min
Response: 1342897
Conc: 21.50 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



#22 n-Tetracontane (C40)

R.T.: 21.969 min
Delta R.T.: 0.004 min
Response: 1072756
Conc: 22.79 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC040225AL\
Data File : FC068492.D
Signal(s) : FID1A.ch
Acq On : 02 Apr 2025 20:13
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 040225.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	3.448	3.389	3.489	BB	276525	2242104	86.52%	4.917%
2	4.525	4.474	4.557	BB	255870	2274575	87.77%	4.988%
3	6.122	6.065	6.190	BB	274217	2513231	96.98%	5.512%
4	6.550	6.492	6.584	BB	237032	2271902	87.67%	4.983%
5	7.179	7.132	7.227	BB	254742	2400525	92.63%	5.265%
6	8.347	8.290	8.397	BB	211106	2242147	86.52%	4.917%
7	9.949	9.892	10.000	BB	210470	2292596	88.47%	5.028%
8	11.392	11.350	11.437	BB	200191	2297837	88.67%	5.039%
9	11.716	11.655	11.750	BB	243450	2591401	100.00%	5.683%
10	12.702	12.645	12.745	BB	181665	2190226	84.52%	4.803%
11	13.147	13.087	13.180	BB	159832	1866216	72.02%	4.093%
12	13.314	13.254	13.364	BB	178383	2149147	82.93%	4.713%
13	13.900	13.842	13.952	BB	179918	2138064	82.51%	4.689%
14	15.003	14.944	15.050	BB	172682	2142674	82.68%	4.699%
15	16.025	15.964	16.080	BB	165511	2106089	81.27%	4.619%
16	16.975	16.912	17.029	BB	151816	2058682	79.44%	4.515%
17	17.863	17.800	17.920	BB	154402	2080957	80.30%	4.564%
18	18.696	18.629	18.755	BB	136790	1978446	76.35%	4.339%
19	19.480	19.440	19.542	BB	122538	1792702	69.18%	3.932%
20	20.219	20.099	20.277	BB	107949	1551401	59.87%	3.402%
21	20.994	20.927	21.062	BB	72481	1342897	51.82%	2.945%
22	21.969	21.880	22.052	BB	43348	1072756	41.40%	2.353%
Sum of corrected areas:							45596573	

Aliphatic EPH 040225.M Thu Apr 03 04:46:00 2025