

Initial Calibration Report for SequenceID : FF072924AL

AreaCount

Parameter Range	FF014308.D	FF014309.D	FF014310.D	FF014311.D	FF014312.D	
Aliphatic C9-C12	39180840.000	19271149.000	7795531.000	3958644.000	1998513.000	
Aliphatic C12-C16	26422842.000	12920978.000	5162602.000	2577542.000	1262451.000	
Aliphatic C16-C21	38684626.000	18894607.000	7585397.000	3805660.000	1886515.000	
Aliphatic C21-C28	46281278.000	22763322.000	9182137.000	4609943.000	2308197.000	
Aliphatic C28-C40	45006891.000	23997872.000	10360448.000	5661929.000	3101361.000	
Aliphatic EPH	195576477.000	97847928.000	40086115.000	20613718.000	10557037.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aliphatic C9-C12	130838.3286664	1.402				
Aliphatic C12-C16	129102.248	1.611				
Aliphatic C16-C21	126791.8166662	1.007				
Aliphatic C21-C28	114990.9885	0.641				
Aliphatic C28-C40	87817.128333	12.889				
Aliphatic EPH	112108.9808886	3.36				

Concentration

Parameter Range	FF014308.D	FF014309.D	FF014310.D	FF014311.D	FF014312.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	FF014308.D	FF014309.D	FF014310.D	FF014311.D	FF014312.D	
Aliphatic C9-C12	130602.800000	128474.326666	129925.516666	131954.800000	133234.200000	
Aliphatic C12-C16	132114.210000	129209.780000	129065.050000	128877.100000	126245.100000	
Aliphatic C16-C21	128948.753333	125964.046666	126423.283333	126855.333333	125767.666666	

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Aliphatic C21-C28	115703.195000	113816.610000	114776.712500	115248.575000	115409.850000	
Aliphatic C28-C40	75011.485000	79992.906666	86337.066666	94365.483333	103378.700000	
Aliphatic EPH	108653.598333	108719.920000	111350.319444	114520.655555	117300.411111	

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF072924AL\
 Data File : FF014308.D
 Signal(s) : FID2B.ch
 Acq On : 29 Jul 2024 17:25
 Operator : YP\AJ
 Sample : 100 PPM ALIPHATIC HC STD1
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 FID_F
 ClientSampleId :
 100 PPM ALIPHATIC HC STD1

Integration File: autoint1.e
 Quant Time: Jul 30 05:42:13 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 072924.M
 Quant Title : GC Extractables
 QLast Update : Tue Jul 30 05:39:29 2024
 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)	11.831	14071077	100.411 ug/ml
Spiked Amount 50.000		Recovery =	200.82%
12) S 1-chlorooctadecane (S...	13.270	9948284	102.929 ug/ml
Spiked Amount 50.000		Recovery =	205.86%
Target Compounds			
1) T n-Nonane (C9)	3.224	12845966	100.235 ug/ml
2) T n-Decane (C10)	4.475	13103317	100.246 ug/ml
3) T A~Naphthalene (C11.7)	6.170	13514100	103.017 ug/ml
4) T n-Dodecane (C12)	6.641	13231557	100.298 ug/ml
5) T A~2-methylnaphthalene...	7.266	12724425	103.693 ug/ml
6) T n-Tetradecane (C14)	8.468	13037562	100.837 ug/ml
7) T n-Hexadecane (C16)	10.075	13385280	101.491 ug/ml
8) T n-Octadecane (C18)	11.519	13505488	101.148 ug/ml
10) T n-Eicosane (C20)	12.828	12742225	100.865 ug/ml
11) T n-Heneicosane (C21)	13.440	12436913	100.943 ug/ml
13) T n-Docosane (C22)	14.027	12223146	101.188 ug/ml
14) T n-Tetracosane (C24)	15.130	11905791	100.984 ug/ml
15) T n-Hexacosane (C26)	16.152	11340684	100.259 ug/ml
16) T n-Octacosane (C28)	17.101	10811657	99.052 ug/ml
17) T n-Tricontane (C30)	17.990	10510403	96.920 ug/ml
18) T n-Dotriacontane (C32)	18.822	9791475	94.697 ug/ml
19) T n-Tetratriacontane (C34)	19.606	8701699	92.446 ug/ml
20) T n-Hexatriacontane (C36)	20.345	7270952	91.467 ug/ml
21) T n-Octatriacontane (C38)	21.065	5494568	90.963 ug/ml
22) T n-Tetracontane (C40)	21.936	3237794	84.808 ug/ml

(f)=RT Delta > 1/2 Window

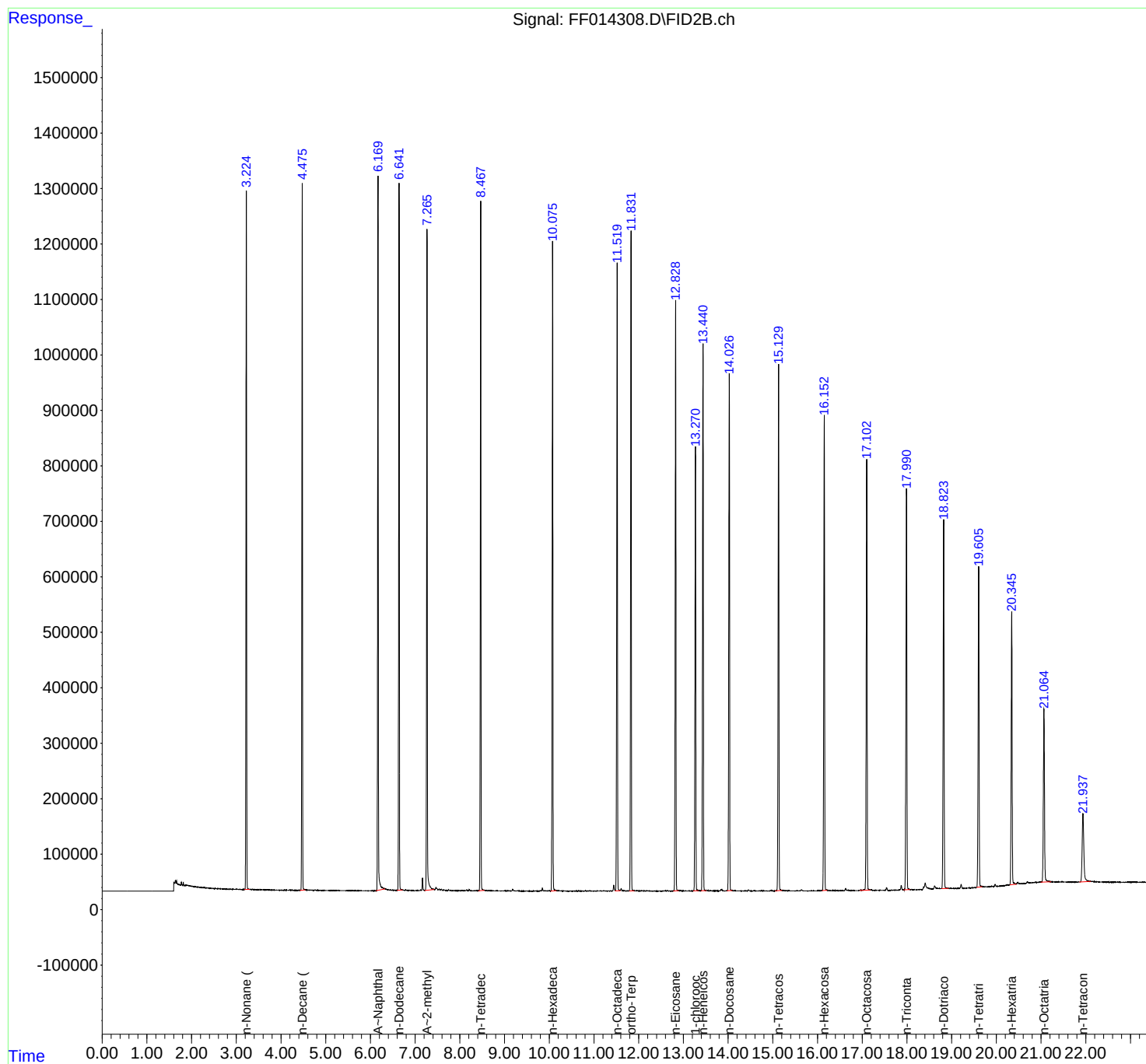
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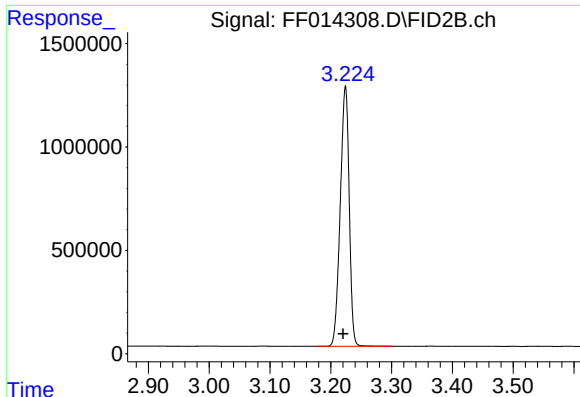
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF072924AL\
Data File : FF014308.D
Signal(s) : FID2B.ch
Acq On : 29 Jul 2024 17:25
Operator : YP\AJ
Sample : 100 PPM ALIPHATIC HC STD1
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
100 PPM ALIPHATIC HC STD1

Integration File: autoint1.e
Quant Time: Jul 30 05:42:13 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 072924.M
Quant Title : GC Extractables
QLast Update : Tue Jul 30 05:39:29 2024
Response via : Initial Calibration
Integrator: ChemStation

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

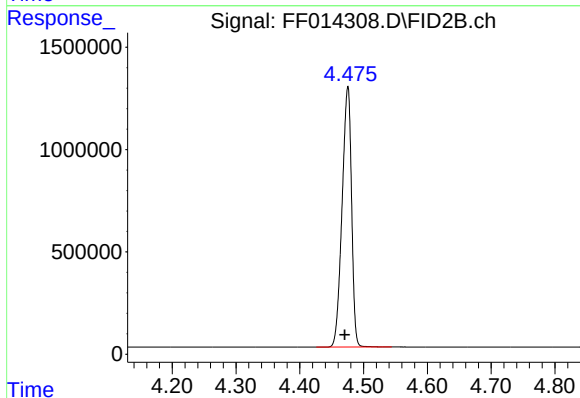




#1 n-Nonane (C9)

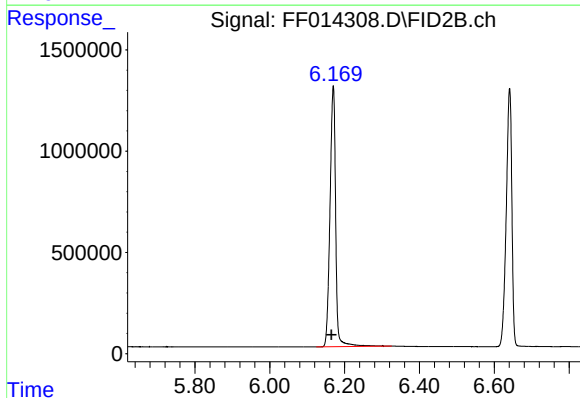
R.T.: 3.224 min
Delta R.T.: 0.004 min
Response: 12845966
Conc: 100.23 ug/ml

Instrument :
FID_F
ClientSampleId :
100 PPM ALIPHATIC HC STD1



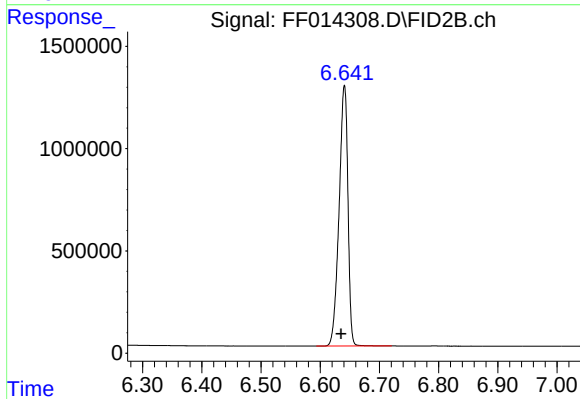
#2 n-Decane (C10)

R.T.: 4.475 min
Delta R.T.: 0.005 min
Response: 13103317
Conc: 100.25 ug/ml



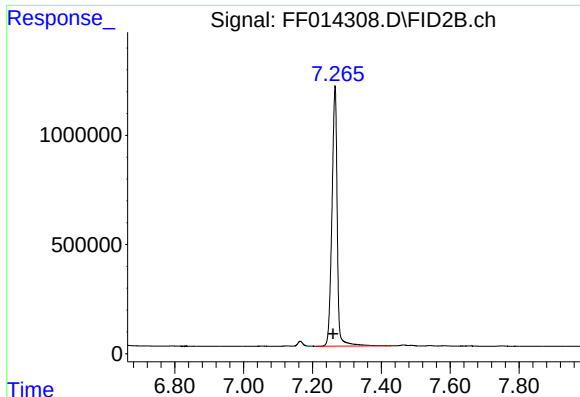
#3 A~Naphthalene (C11.7)

R.T.: 6.170 min
Delta R.T.: 0.005 min
Response: 13514100
Conc: 103.02 ug/ml



#4 n-Dodecane (C12)

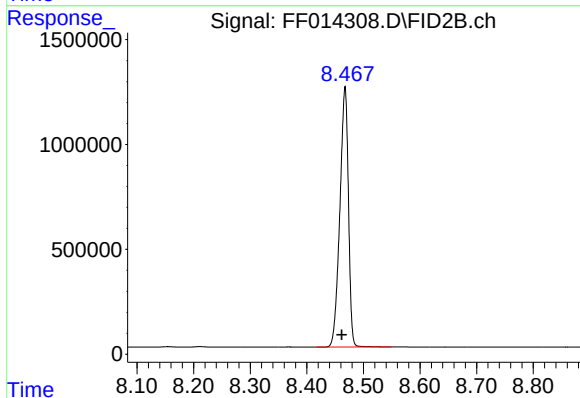
R.T.: 6.641 min
Delta R.T.: 0.006 min
Response: 13231557
Conc: 100.30 ug/ml



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

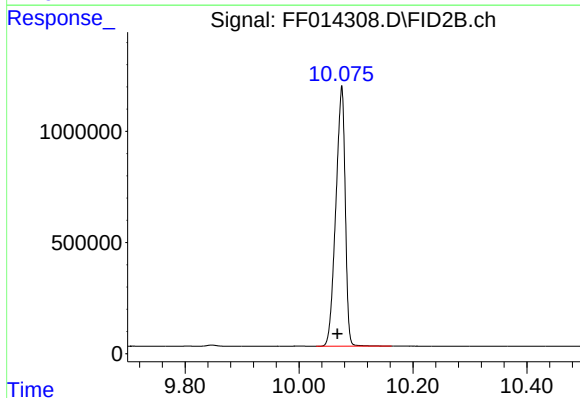
R.T.: 7.266 min
Delta R.T.: 0.006 min
Response: 12724425
Conc: 103.69 ug/ml

Instrument :
FID_F
ClientSampleId :
100 PPM ALIPHATIC HC STD1



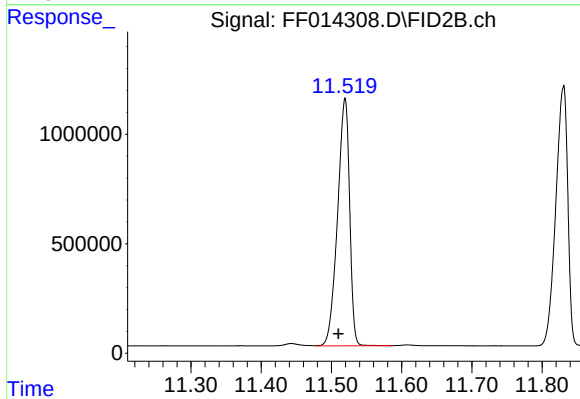
#6 n-Tetradecane (C14)

R.T.: 8.468 min
Delta R.T.: 0.006 min
Response: 13037562
Conc: 100.84 ug/ml



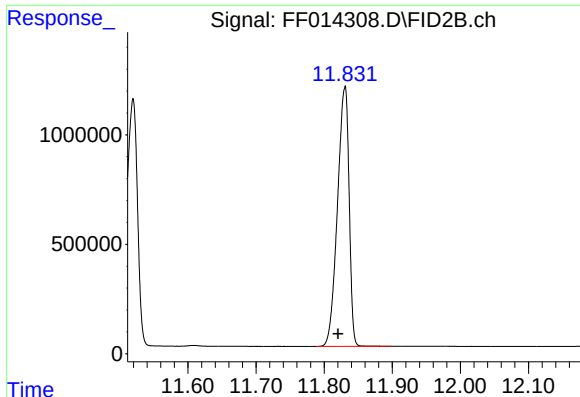
#7 n-Hexadecane (C16)

R.T.: 10.075 min
Delta R.T.: 0.008 min
Response: 13385280
Conc: 101.49 ug/ml



#8 n-Octadecane (C18)

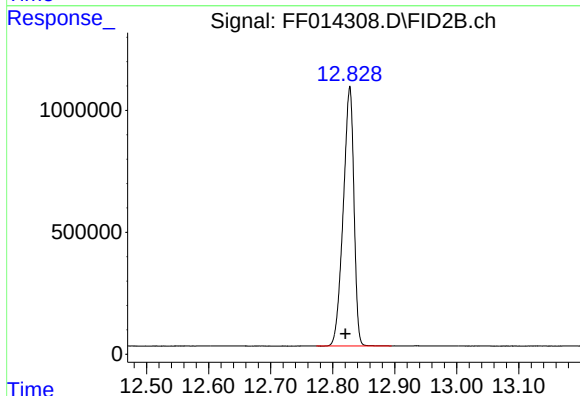
R.T.: 11.519 min
Delta R.T.: 0.009 min
Response: 13505488
Conc: 101.15 ug/ml



#9 ortho-Terphenyl (SURR)

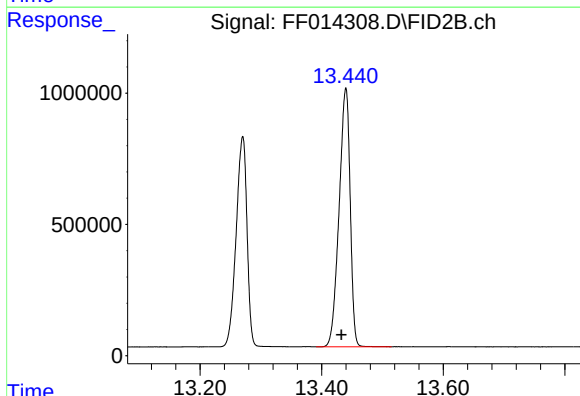
R.T.: 11.831 min
Delta R.T.: 0.010 min
Response: 14071077
Conc: 100.41 ug/ml

Instrument :
FID_F
ClientSampleId :
100 PPM ALIPHATIC HC STD1



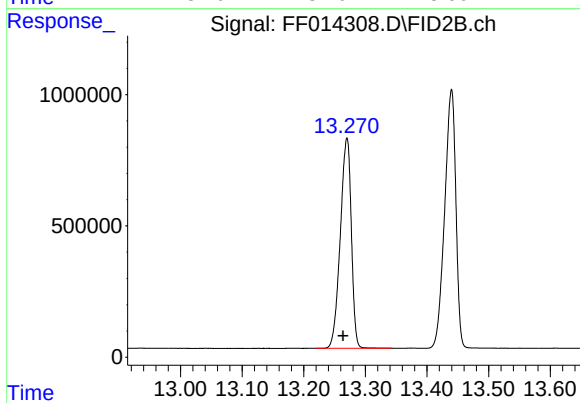
#10 n-Eicosane (C20)

R.T.: 12.828 min
Delta R.T.: 0.007 min
Response: 12742225
Conc: 100.86 ug/ml



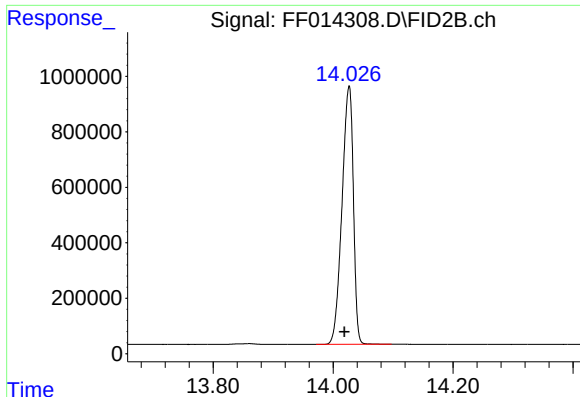
#11 n-Heneicosane (C21)

R.T.: 13.440 min
Delta R.T.: 0.007 min
Response: 12436913
Conc: 100.94 ug/ml



#12 1-chlorooctadecane (SURR)

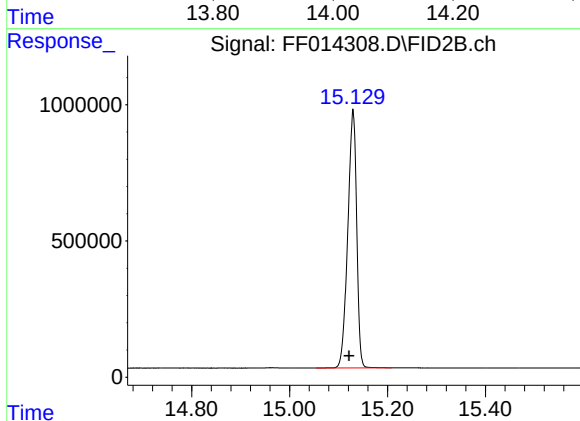
R.T.: 13.270 min
Delta R.T.: 0.006 min
Response: 9948284
Conc: 102.93 ug/ml



#13 n-Docosane (C22)

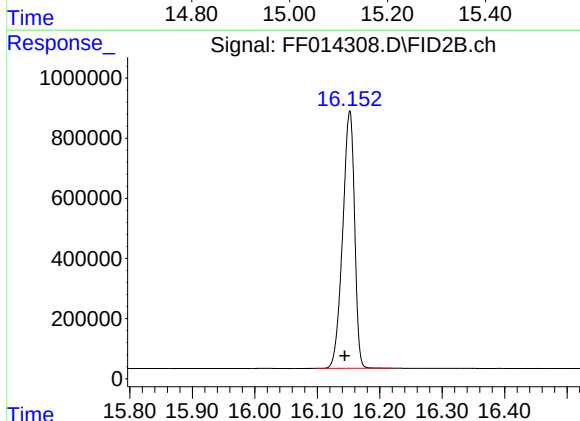
R.T.: 14.027 min
Delta R.T.: 0.008 min
Response: 12223146
Conc: 101.19 ug/ml

Instrument :
FID_F
ClientSampleId :
100 PPM ALIPHATIC HC STD1



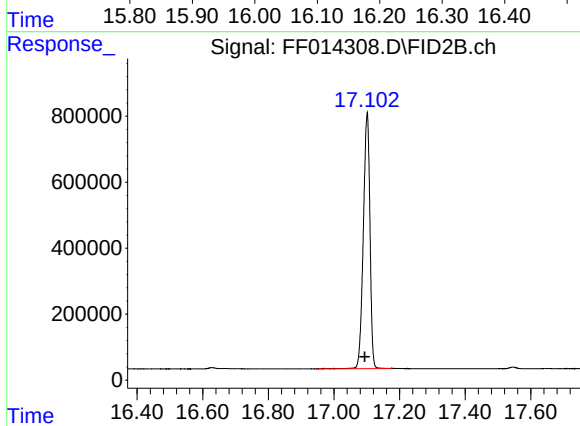
#14 n-Tetracosane (C24)

R.T.: 15.130 min
Delta R.T.: 0.008 min
Response: 11905791
Conc: 100.98 ug/ml



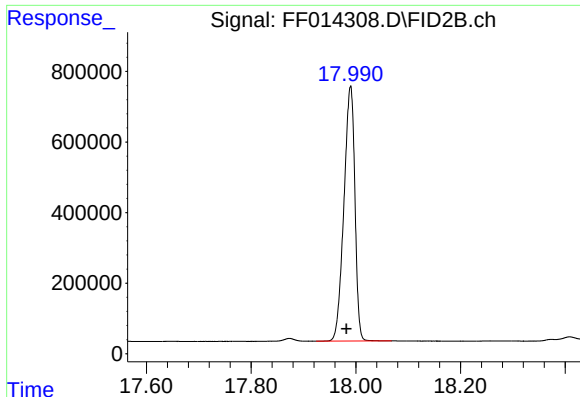
#15 n-Hexacosane (C26)

R.T.: 16.152 min
Delta R.T.: 0.008 min
Response: 11340684
Conc: 100.26 ug/ml



#16 n-Octacosane (C28)

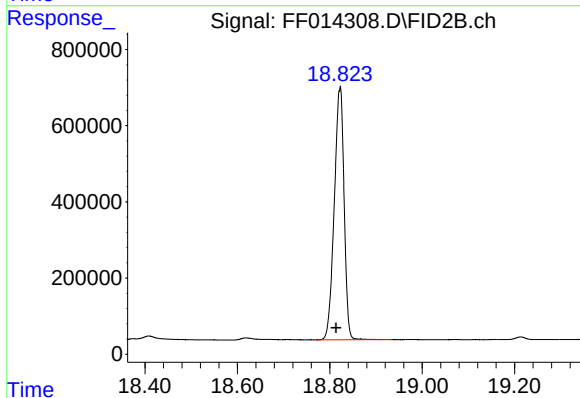
R.T.: 17.101 min
Delta R.T.: 0.008 min
Response: 10811657
Conc: 99.05 ug/ml



#17 n-Tricontane (C30)

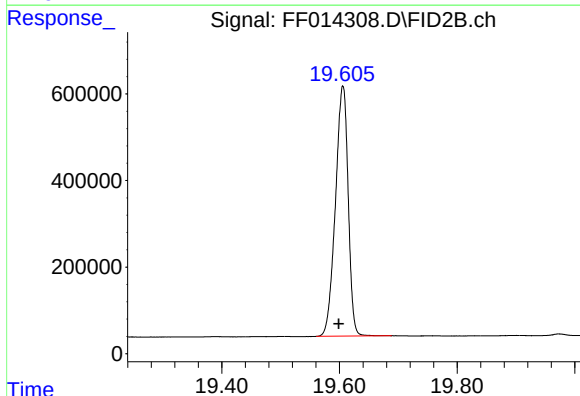
R.T.: 17.990 min
Delta R.T.: 0.008 min
Response: 10510403
Conc: 96.92 ug/ml

Instrument :
FID_F
ClientSampleId :
100 PPM ALIPHATIC HC STD1



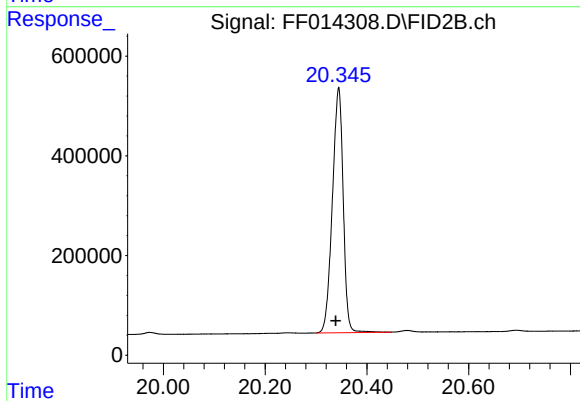
#18 n-Dotriacontane (C32)

R.T.: 18.822 min
Delta R.T.: 0.008 min
Response: 9791475
Conc: 94.70 ug/ml



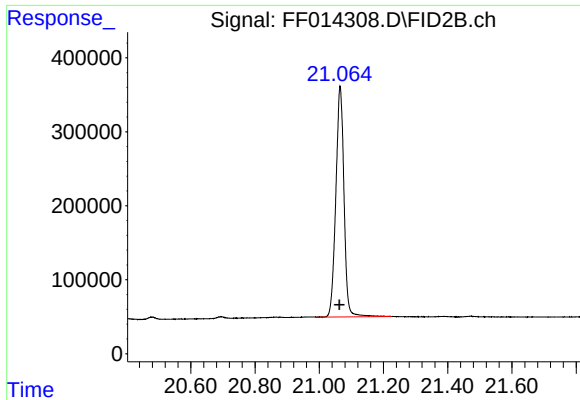
#19 n-Tetratriacontane (C34)

R.T.: 19.606 min
Delta R.T.: 0.007 min
Response: 8701699
Conc: 92.45 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.345 min
Delta R.T.: 0.006 min
Response: 7270952
Conc: 91.47 ug/ml



#21 n-Octatriacontane (C38)

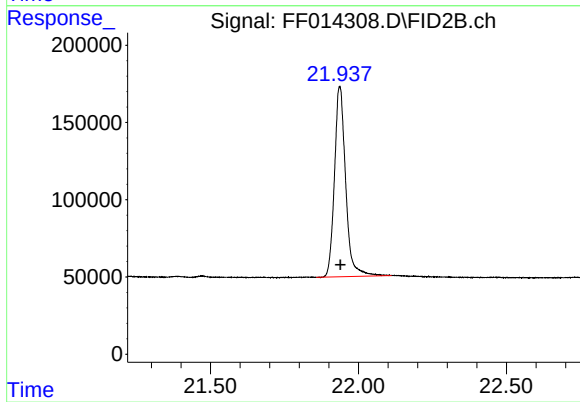
R.T.: 21.065 min
Delta R.T.: 0.003 min
Response: 5494568
Conc: 90.96 ug/ml

Instrument :

FID_F

ClientSampleId :

100 PPM ALIPHATIC HC STD1



#22 n-Tetracontane (C40)

R.T.: 21.936 min
Delta R.T.: -0.003 min
Response: 3237794
Conc: 84.81 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF072924AL\
Data File : FF014308.D
Signal(s) : FID2B.ch
Acq On : 29 Jul 2024 17:25
Sample : 100 PPM ALIPHATIC HC STD1
Misc :
ALS Vial : 11 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 072924.M
Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.224	3.176	3.300	BB	1258946	12845966	91.29%	5.225%
2	4.475	4.426	4.544	BB	1275889	13103317	93.12%	5.330%
3	6.170	6.124	6.326	BB	1288276	13514100	96.04%	5.497%
4	6.641	6.593	6.721	BB	1274342	13231557	94.03%	5.382%
5	7.266	7.211	7.430	BB	1191878	12724425	90.43%	5.176%
6	8.468	8.417	8.550	BB	1241512	13037562	92.66%	5.303%
7	10.075	10.030	10.163	BB	1171435	13385280	95.13%	5.445%
8	11.519	11.478	11.586	VV	1131690	13505488	95.98%	5.494%
9	11.831	11.788	11.899	BB	1188106	14071077	100.00%	5.724%
10	12.828	12.773	12.895	BB	1063190	12742225	90.56%	5.183%
11	13.270	13.220	13.343	BB	801089	9948284	70.70%	4.047%
12	13.440	13.391	13.515	BB	986596	12436913	88.39%	5.059%
13	14.027	13.972	14.098	BB	932027	12223146	86.87%	4.972%
14	15.130	15.054	15.208	BB	948735	11905791	84.61%	4.843%
15	16.152	16.098	16.219	BB	857352	11340684	80.60%	4.613%
16	17.101	16.946	17.176	BB	777089	10811657	76.84%	4.398%
17	17.990	17.924	18.068	BB	722318	10510403	74.70%	4.275%
18	18.822	18.770	18.934	BB	659622	9791475	69.59%	3.983%
19	19.606	19.560	19.689	BB	578638	8701699	61.84%	3.540%
20	20.345	20.300	20.449	BV	492612	7270952	51.67%	2.958%
21	21.065	20.990	21.225	BB	312000	5494568	39.05%	2.235%
22	21.936	21.857	22.112	BB	123073	3237794	23.01%	1.317%
Sum of corrected areas:						245834362		

Aliphatic EPH 072924.M Tue Jul 30 06:12:41 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF072924AL\
 Data File : FF014309.D
 Signal(s) : FID2B.ch
 Acq On : 29 Jul 2024 17:55
 Operator : YP\AJ
 Sample : 50 PPM ALIPHATIC HC STD2
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 FID_F
 ClientSampleId :
 50 PPM ALIPHATIC HC STD2

Integration File: autoint1.e
 Quant Time: Jul 30 05:47:36 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 072924.M
 Quant Title : GC Extractables
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 Integrator: ChemStation

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Compound	R.T.	Response	Conc Units

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Spiked Amount 50.000		Recovery =	97.88%
12) S 1-chlorooctadecane (S...	13.266	4799307	51.052 ug/ml
Spiked Amount 50.000		Recovery =	102.10%
Target Compounds			
1) T n-Nonane (C9)	3.222	6316951	48.998 ug/ml
2) T n-Decane (C10)	4.472	6448165	49.305 ug/ml
3) T A~Naphthalene (C11.7)	6.166	6538202	51.067 ug/ml
4) T n-Dodecane (C12)	6.637	6506033	49.297 ug/ml
5) T A~2-methylnaphthalene...	7.261	6140472	52.490 ug/ml
6) T n-Tetradecane (C14)	8.464	6387139	49.647 ug/ml
7) T n-Hexadecane (C16)	10.070	6533839	50.390 ug/ml
8) T n-Octadecane (C18)	11.514	6594277	49.937 ug/ml
10) T n-Eicosane (C20)	12.823	6223635	49.548 ug/ml
11) T n-Heneicosane (C21)	13.435	6076695	49.538 ug/ml
13) T n-Docosane (C22)	14.022	5961493	49.743 ug/ml
14) T n-Tetracosane (C24)	15.125	5815383	49.695 ug/ml
15) T n-Hexacosane (C26)	16.146	5597583	49.555 ug/ml
16) T n-Octacosane (C28)	17.097	5388863	49.042 ug/ml
17) T n-Tricontane (C30)	17.985	5345711	48.254 ug/ml
18) T n-Dotriacontane (C32)	18.817	5075162	46.904 ug/ml
19) T n-Tetratriacontane (C34)	19.600	4618646	45.860 ug/ml
20) T n-Hexatriacontane (C36)	20.341	3945300	45.300 ug/ml
21) T n-Octatriacontane (C38)	21.062	3054052	45.336 ug/ml
22) T n-Tetracontane (C40)	21.939	1959001	45.639 ug/ml

(f)=RT Delta > 1/2 Window

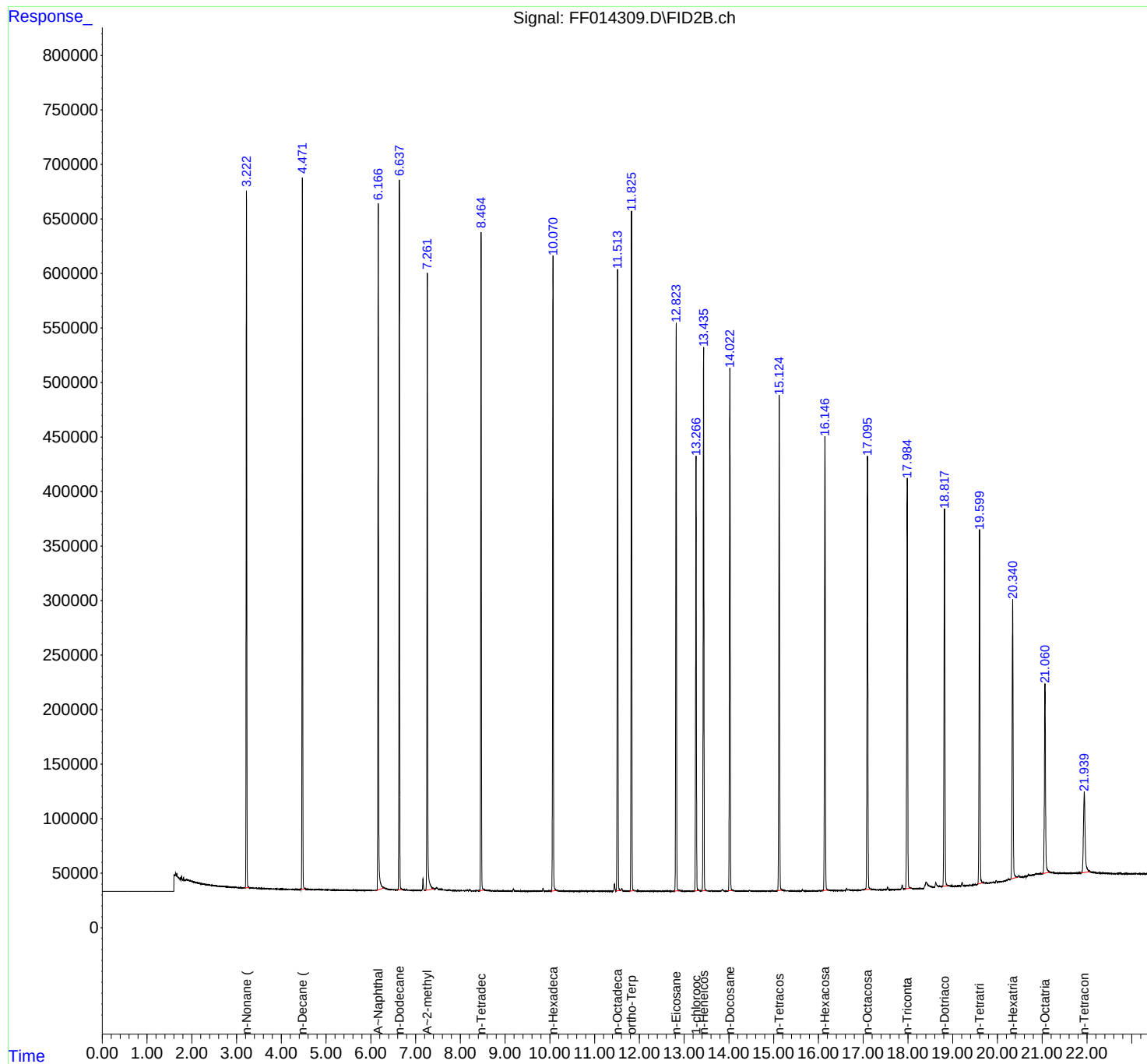
(m)=manual int.

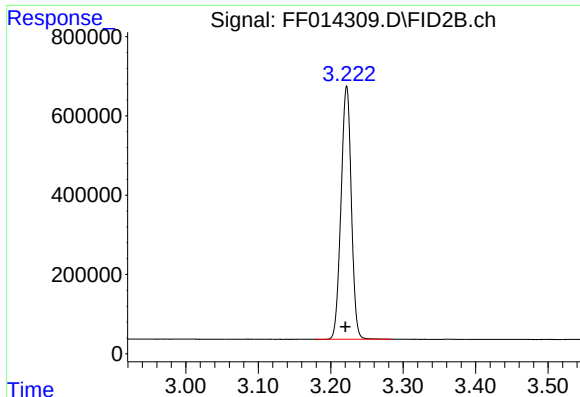
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF072924AL\
Data File : FF014309.D
Signal(s) : FID2B.ch
Acq On : 29 Jul 2024 17:55
Operator : YP\AJ
Sample : 50 PPM ALIPHATIC HC STD2
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
50 PPM ALIPHATIC HC STD2

Integration File: autoint1.e
Quant Time: Jul 30 05:47:36 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 072924.M
Quant Title : GC Extractables
QLast Update : Tue Jul 30 05:47:26 2024
Response via : Initial Calibration
Integrator: ChemStation

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Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

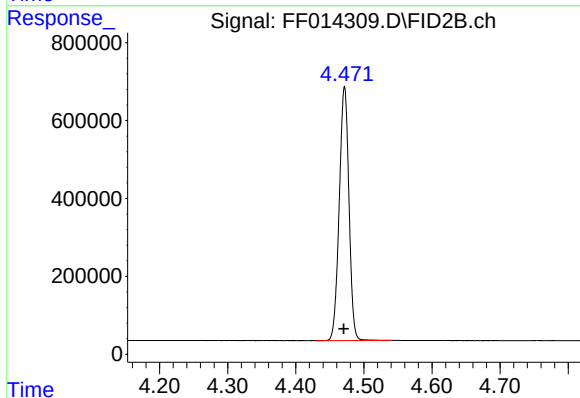




#1 n-Nonane (C9)

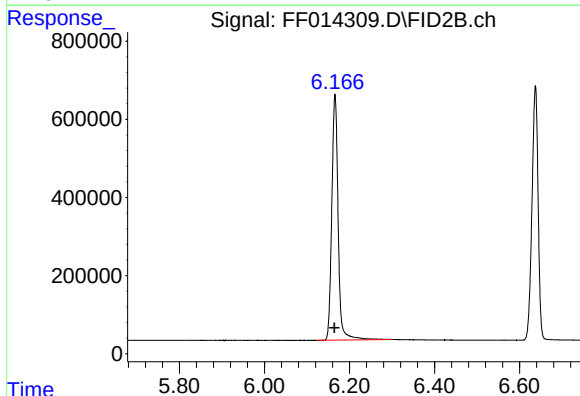
R.T.: 3.222 min
Delta R.T.: 0.002 min
Response: 6316951
Conc: 49.00 ug/ml

Instrument :
FID_F
ClientSampleId :
50 PPM ALIPHATIC HC STD2



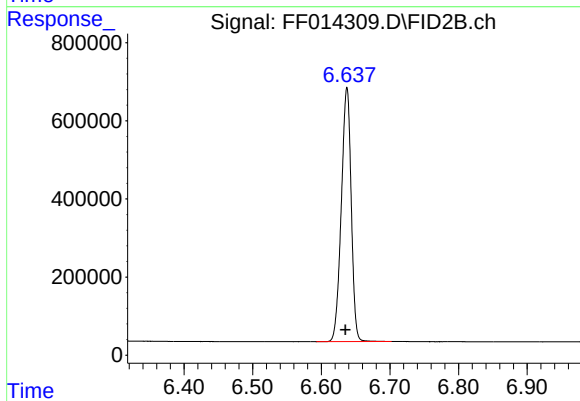
#2 n-Decane (C10)

R.T.: 4.472 min
Delta R.T.: 0.001 min
Response: 6448165
Conc: 49.31 ug/ml



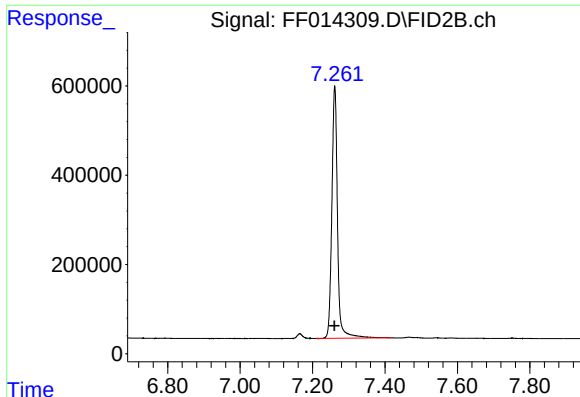
#3 A~Naphthalene (C11.7)

R.T.: 6.166 min
Delta R.T.: 0.001 min
Response: 6538202
Conc: 51.07 ug/ml



#4 n-Dodecane (C12)

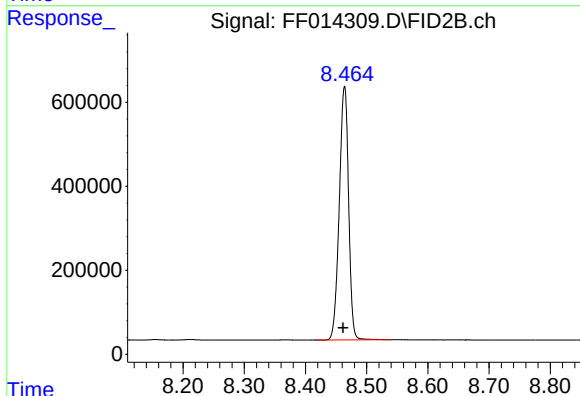
R.T.: 6.637 min
Delta R.T.: 0.002 min
Response: 6506033
Conc: 49.30 ug/ml



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

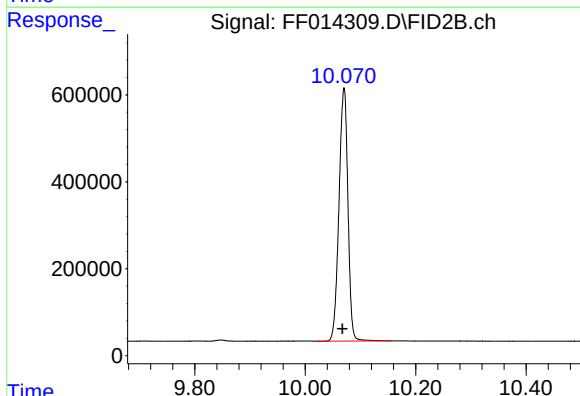
R.T.: 7.261 min
Delta R.T.: 0.001 min
Response: 6140472
Conc: 52.49 ug/ml

Instrument :
FID_F
ClientSampleId :
50 PPM ALIPHATIC HC STD2



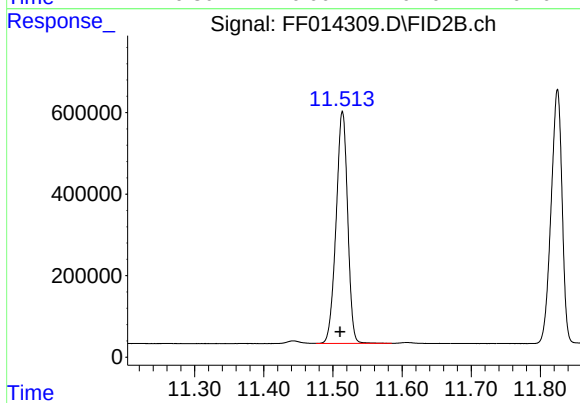
#6 n-Tetradecane (C14)

R.T.: 8.464 min
Delta R.T.: 0.002 min
Response: 6387139
Conc: 49.65 ug/ml



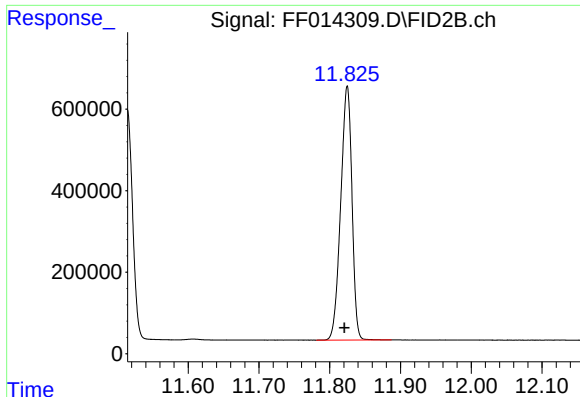
#7 n-Hexadecane (C16)

R.T.: 10.070 min
Delta R.T.: 0.003 min
Response: 6533839
Conc: 50.39 ug/ml



#8 n-Octadecane (C18)

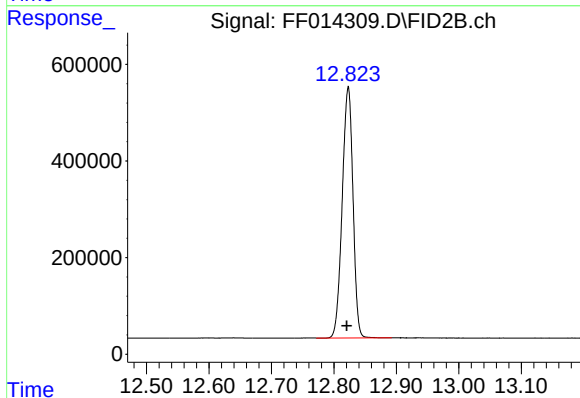
R.T.: 11.514 min
Delta R.T.: 0.004 min
Response: 6594277
Conc: 49.94 ug/ml



#9 ortho-Terphenyl (SURR)

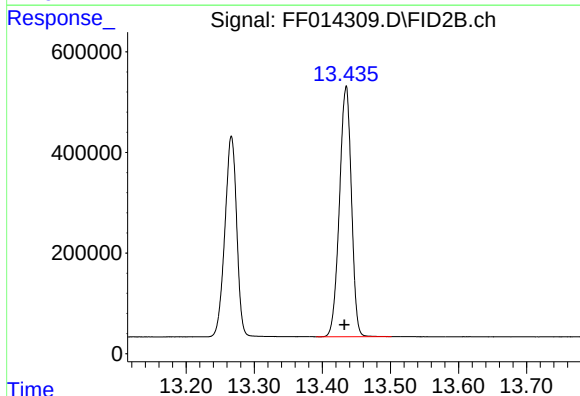
R.T.: 11.825 min
Delta R.T.: 0.004 min
Response: 6882314
Conc: 48.94 ug/ml

Instrument :
FID_F
ClientSampleId :
50 PPM ALIPHATIC HC STD2



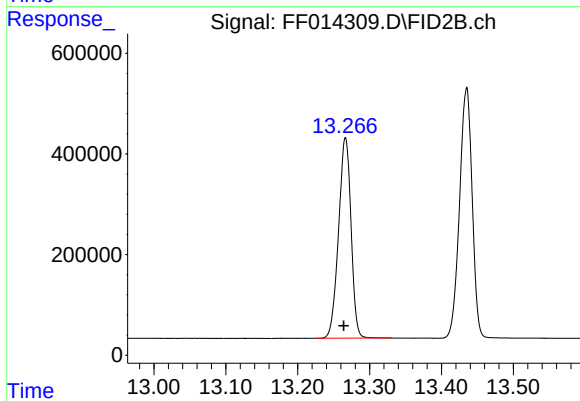
#10 n-Eicosane (C20)

R.T.: 12.823 min
Delta R.T.: 0.003 min
Response: 6223635
Conc: 49.55 ug/ml



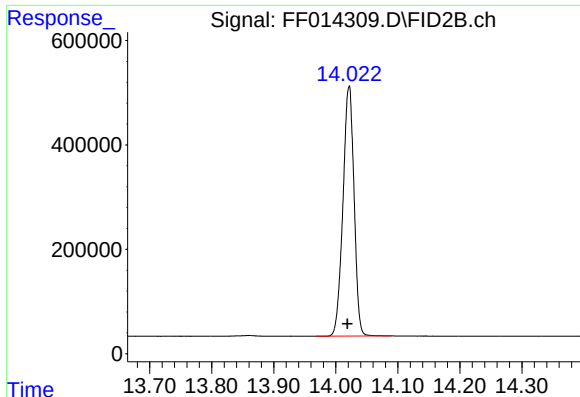
#11 n-Heneicosane (C21)

R.T.: 13.435 min
Delta R.T.: 0.002 min
Response: 6076695
Conc: 49.54 ug/ml



#12 1-chlorooctadecane (SURR)

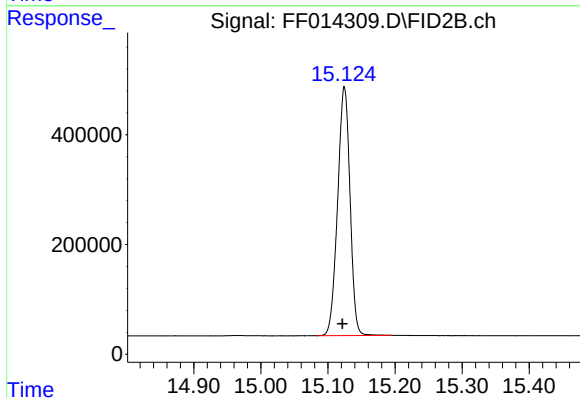
R.T.: 13.266 min
Delta R.T.: 0.002 min
Response: 4799307
Conc: 51.05 ug/ml



#13 n-Docosane (C22)

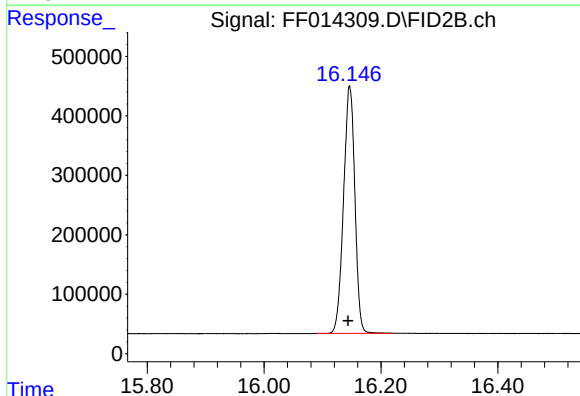
R.T.: 14.022 min
Delta R.T.: 0.003 min
Response: 5961493
Conc: 49.74 ug/ml

Instrument :
FID_F
ClientSampleId :
50 PPM ALIPHATIC HC STD2



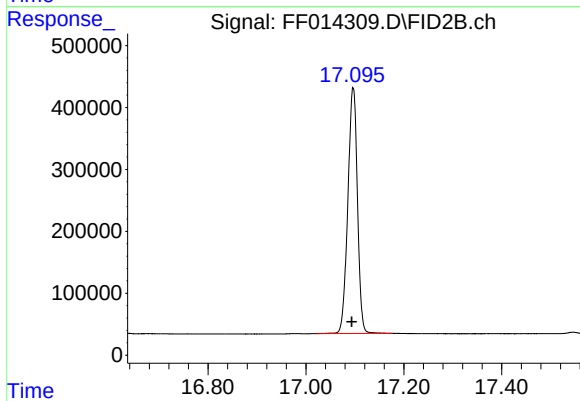
#14 n-Tetracosane (C24)

R.T.: 15.125 min
Delta R.T.: 0.003 min
Response: 5815383
Conc: 49.70 ug/ml



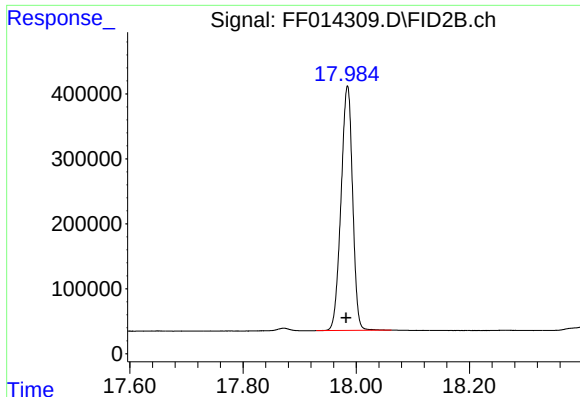
#15 n-Hexacosane (C26)

R.T.: 16.146 min
Delta R.T.: 0.003 min
Response: 5597583
Conc: 49.55 ug/ml



#16 n-Octacosane (C28)

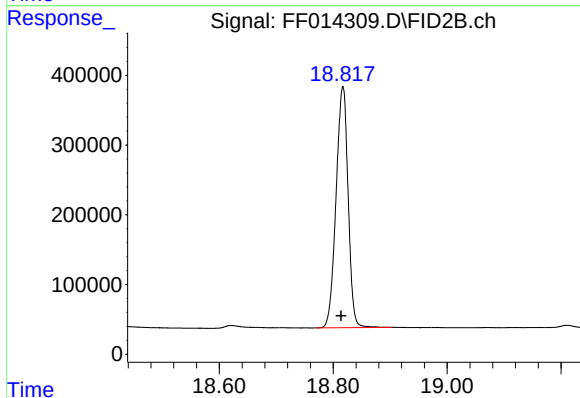
R.T.: 17.097 min
Delta R.T.: 0.003 min
Response: 5388863
Conc: 49.04 ug/ml



#17 n-Tricontane (C30)

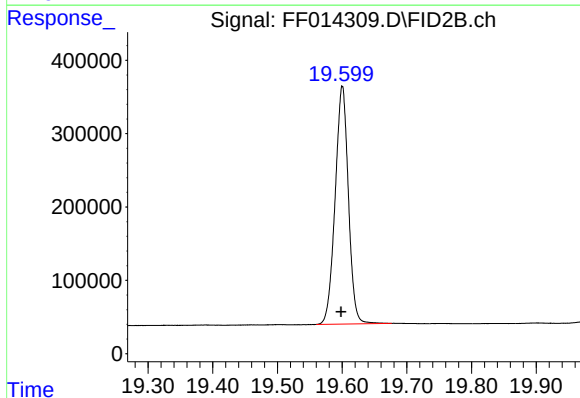
R.T.: 17.985 min
Delta R.T.: 0.002 min
Response: 5345711
Conc: 48.25 ug/ml

Instrument :
FID_F
ClientSampleId :
50 PPM ALIPHATIC HC STD2



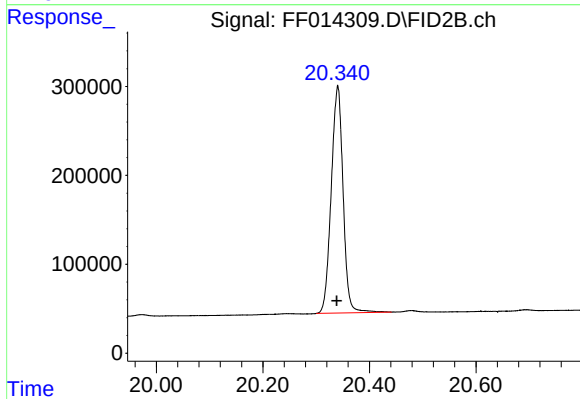
#18 n-Dotriacontane (C32)

R.T.: 18.817 min
Delta R.T.: 0.003 min
Response: 5075162
Conc: 46.90 ug/ml



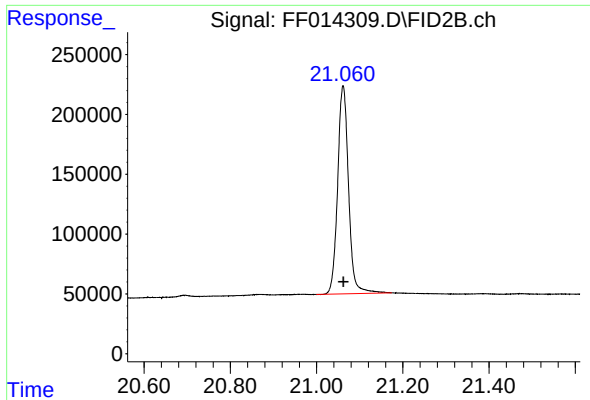
#19 n-Tetratriacontane (C34)

R.T.: 19.600 min
Delta R.T.: 0.002 min
Response: 4618646
Conc: 45.86 ug/ml



#20 n-Hexatriacontane (C36)

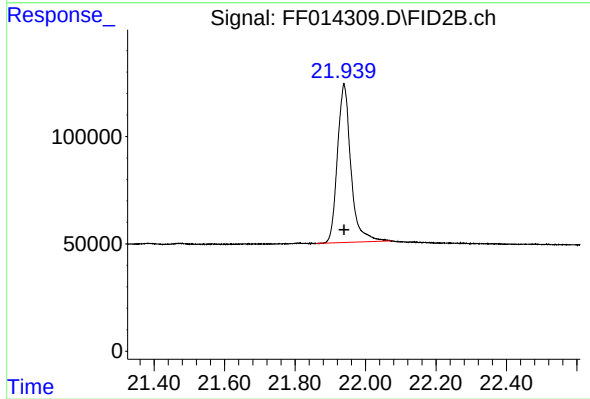
R.T.: 20.341 min
Delta R.T.: 0.002 min
Response: 3945300
Conc: 45.30 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.062 min
Delta R.T.: 0.000 min
Response: 3054052
Conc: 45.34 ug/ml

Instrument :
FID_F
ClientSampleId :
50 PPM ALIPHATIC HC STD2



#22 n-Tetracontane (C40)

R.T.: 21.939 min
Delta R.T.: 0.000 min
Response: 1959001
Conc: 45.64 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF072924AL\
Data File : FF014309.D
Signal(s) : FID2B.ch
Acq On : 29 Jul 2024 17:55
Sample : 50 PPM ALIPHATIC HC STD2
Misc :
ALS Vial : 12 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 072924.M
Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.222	3.180	3.284	BB	639408	6316951	91.79%	5.169%
2	4.472	4.430	4.541	BB	652642	6448165	93.69%	5.276%
3	6.166	6.122	6.299	BB	628879	6538202	95.00%	5.350%
4	6.637	6.593	6.703	BB	651123	6506033	94.53%	5.324%
5	7.261	7.210	7.418	BB	565274	6140472	89.22%	5.025%
6	8.464	8.418	8.541	BB	603854	6387139	92.81%	5.226%
7	10.071	10.020	10.157	BB	581730	6533839	94.94%	5.346%
8	11.514	11.476	11.585	VV	569136	6594277	95.81%	5.396%
9	11.825	11.781	11.888	BB	623890	6882314	100.00%	5.632%
10	12.823	12.772	12.893	BB	521269	6223635	90.43%	5.093%
11	13.266	13.226	13.331	BB	398962	4799307	69.73%	3.927%
12	13.435	13.391	13.502	BB	498322	6076695	88.29%	4.972%
13	14.022	13.968	14.090	BB	478777	5961493	86.62%	4.878%
14	15.125	15.083	15.195	BB	453718	5815383	84.50%	4.759%
15	16.146	16.089	16.218	BB	415866	5597583	81.33%	4.580%
16	17.097	17.021	17.175	BB	396193	5388863	78.30%	4.410%
17	17.985	17.929	18.063	BB	376509	5345711	77.67%	4.374%
18	18.817	18.770	18.903	BB	346301	5075162	73.74%	4.153%
19	19.600	19.560	19.677	BB	324422	4618646	67.11%	3.779%
20	20.341	20.300	20.442	BB	255961	3945300	57.33%	3.228%
21	21.062	20.999	21.174	BB	173861	3054052	44.38%	2.499%
22	21.939	21.860	22.074	BB	74132	1959001	28.46%	1.603%

Sum of corrected areas: 122208222

Aliphatic EPH 072924.M Tue Jul 30 06:13:11 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF072924AL\
 Data File : FF014310.D
 Signal(s) : FID2B.ch
 Acq On : 29 Jul 2024 18:24
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD3
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 FID_F
 ClientSampleId :
 20 PPM ALIPHATIC HC STD3

Integration File: autoint1.e
 Quant Time: Jul 30 05:39:49 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 072924.M
 Quant Title : GC Extractables
 QLast Update : Tue Jul 30 05:39:29 2024
 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)	11.821	2791200	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
12) S 1-chlorooctadecane (S...	13.264	1876428	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
Target Compounds			
1) T n-Nonane (C9)	3.220	2557151	20.000 ug/ml
2) T n-Decane (C10)	4.470	2607776	20.000 ug/ml
3) T A~Naphthalene (C11.7)	6.165	2544515	20.000 ug/ml
4) T n-Dodecane (C12)	6.635	2630604	20.000 ug/ml
5) T A~2-methylnaphthalene...	7.260	2363630	20.000 ug/ml
6) T n-Tetradecane (C14)	8.462	2564218	20.000 ug/ml
7) T n-Hexadecane (C16)	10.068	2598384	20.000 ug/ml
8) T n-Octadecane (C18)	11.510	2639766	20.000 ug/ml
10) T n-Eicosane (C20)	12.821	2504740	20.000 ug/ml
11) T n-Heneicosane (C21)	13.433	2440891	20.000 ug/ml
13) T n-Docosane (C22)	14.019	2387248	20.000 ug/ml
14) T n-Tetracosane (C24)	15.122	2334747	20.000 ug/ml
15) T n-Hexacosane (C26)	16.144	2256440	20.000 ug/ml
16) T n-Octacosane (C28)	17.094	2203702	20.000 ug/ml
17) T n-Tricontane (C30)	17.982	2235695	20.000 ug/ml
18) T n-Dotriacontane (C32)	18.814	2177633	20.000 ug/ml
19) T n-Tetratriacontane (C34)	19.599	2024773	20.000 ug/ml
20) T n-Hexatriacontane (C36)	20.339	1725518	20.000 ug/ml
21) T n-Octatriacontane (C38)	21.062	1317268	20.000 ug/ml
22) T n-Tetracontane (C40)	21.939	879561	20.000 ug/ml

(f)=RT Delta > 1/2 Window

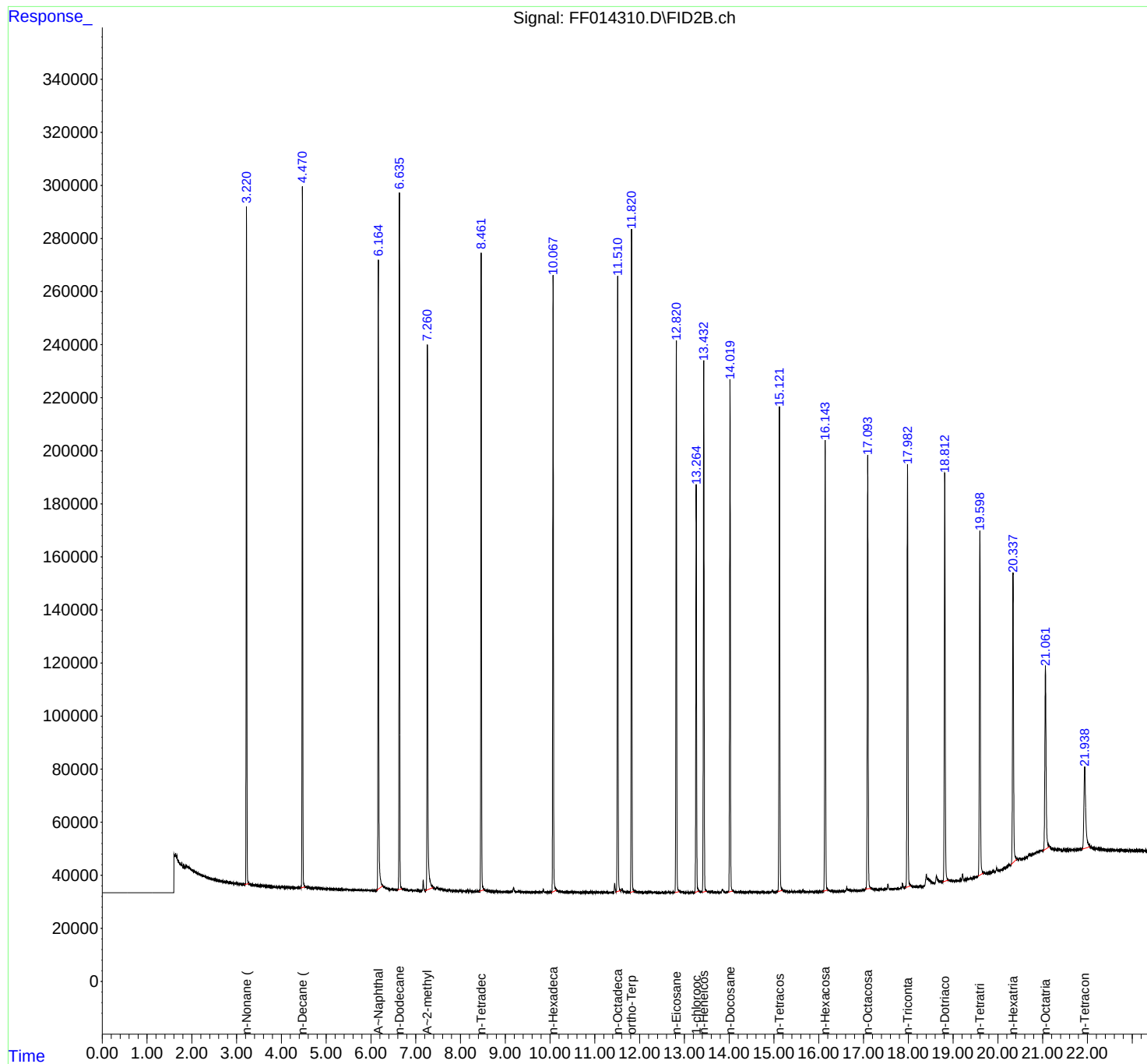
(m)=manual int.

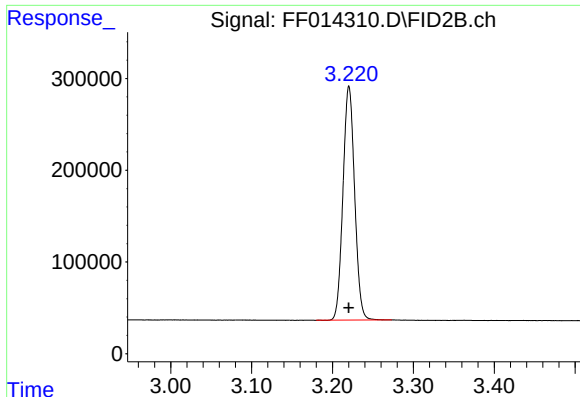
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF072924AL\
Data File : FF014310.D
Signal(s) : FID2B.ch
Acq On : 29 Jul 2024 18:24
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD3
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
20 PPM ALIPHATIC HC STD3

Integration File: autoint1.e
Quant Time: Jul 30 05:39:49 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 072924.M
Quant Title : GC Extractables
QLast Update : Tue Jul 30 05:39:29 2024
Response via : Initial Calibration
Integrator: ChemStation

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

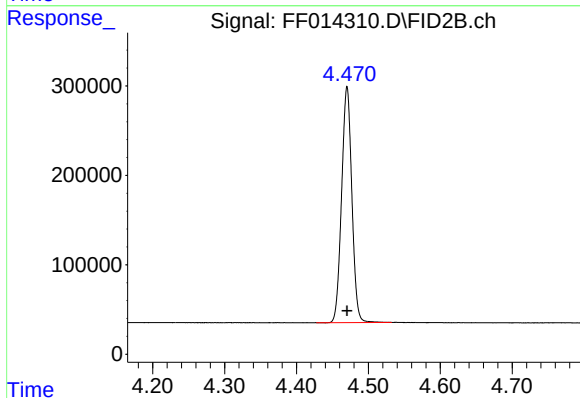




#1 n-Nonane (C9)

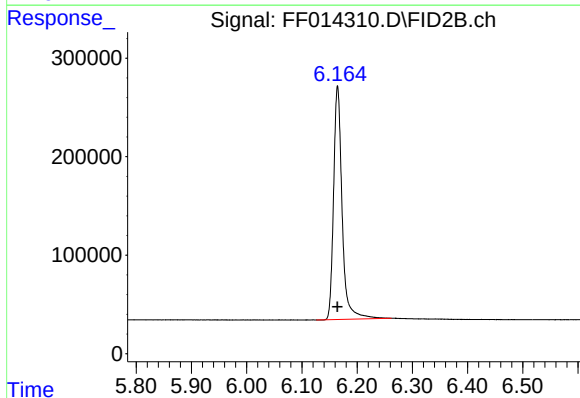
R.T.: 3.220 min
Delta R.T.: 0.000 min
Response: 2557151
Conc: 20.00 ug/ml

Instrument :
FID_F
ClientSampleId :
20 PPM ALIPHATIC HC STD3



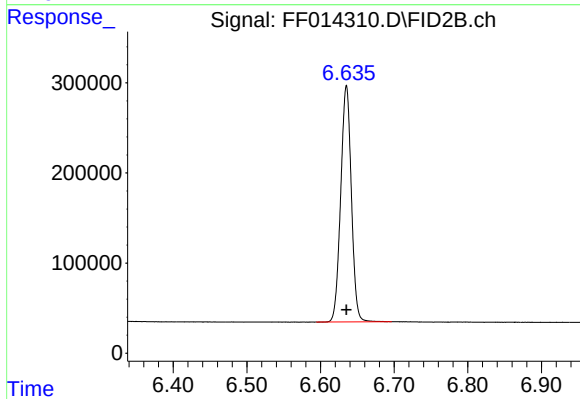
#2 n-Decane (C10)

R.T.: 4.470 min
Delta R.T.: 0.000 min
Response: 2607776
Conc: 20.00 ug/ml



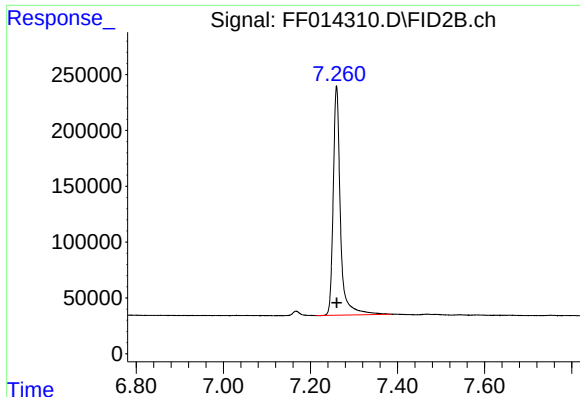
#3 A~Naphthalene (C11.7)

R.T.: 6.165 min
Delta R.T.: 0.000 min
Response: 2544515
Conc: 20.00 ug/ml



#4 n-Dodecane (C12)

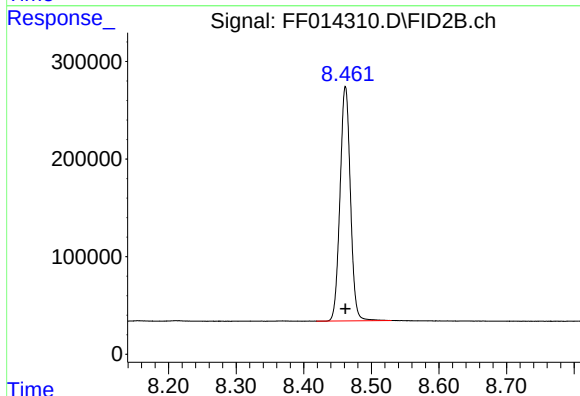
R.T.: 6.635 min
Delta R.T.: 0.000 min
Response: 2630604
Conc: 20.00 ug/ml



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

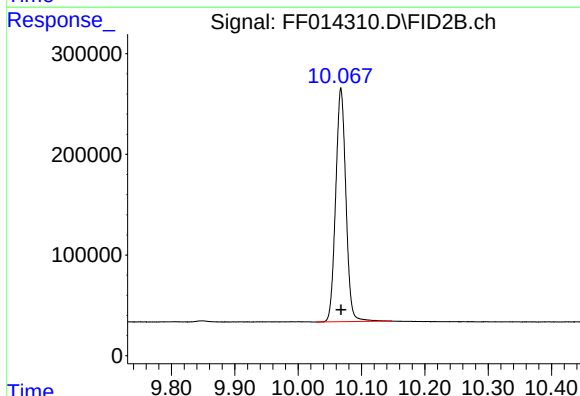
R.T.: 7.260 min
Delta R.T.: 0.000 min
Response: 2363630
Conc: 20.00 ug/ml

Instrument :
FID_F
ClientSampleId :
20 PPM ALIPHATIC HC STD3



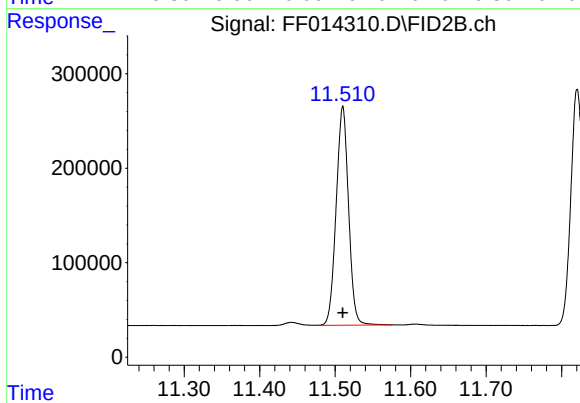
#6 n-Tetradecane (C14)

R.T.: 8.462 min
Delta R.T.: 0.000 min
Response: 2564218
Conc: 20.00 ug/ml



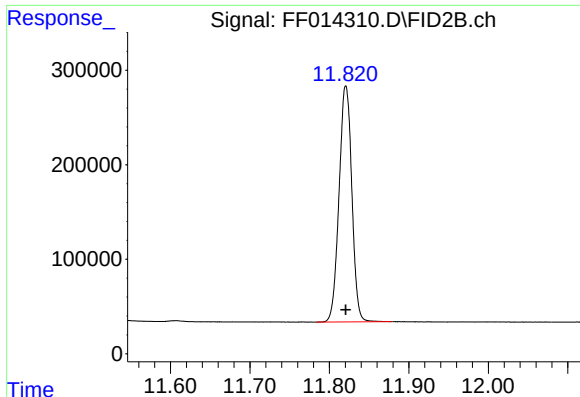
#7 n-Hexadecane (C16)

R.T.: 10.068 min
Delta R.T.: 0.000 min
Response: 2598384
Conc: 20.00 ug/ml



#8 n-Octadecane (C18)

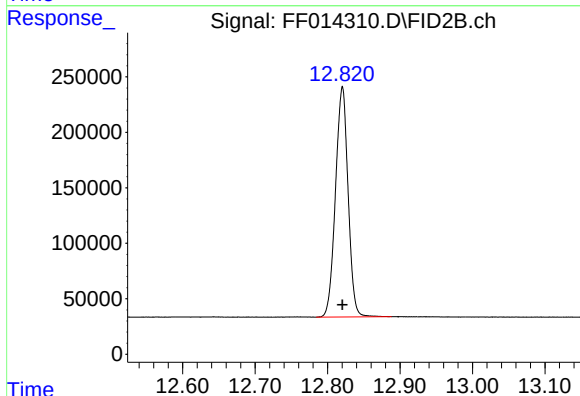
R.T.: 11.510 min
Delta R.T.: 0.000 min
Response: 2639766
Conc: 20.00 ug/ml



#9 ortho-Terphenyl (SURR)

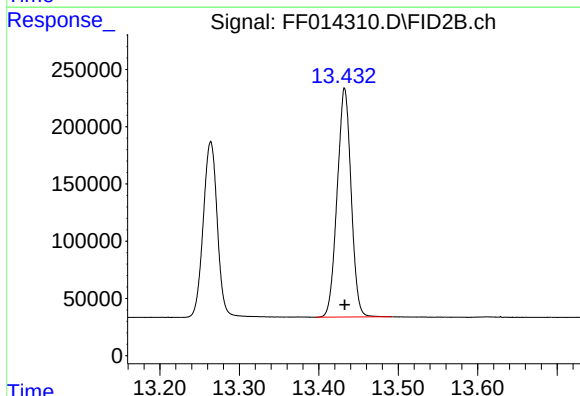
R.T.: 11.821 min
Delta R.T.: 0.000 min
Response: 2791200
Conc: 20.00 ug/ml

Instrument :
FID_F
ClientSampleId :
20 PPM ALIPHATIC HC STD3



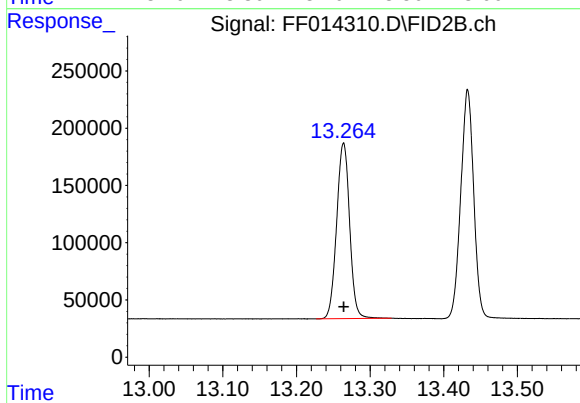
#10 n-Eicosane (C20)

R.T.: 12.821 min
Delta R.T.: 0.000 min
Response: 2504740
Conc: 20.00 ug/ml



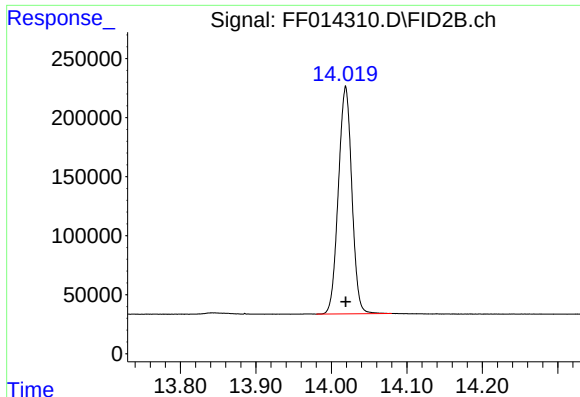
#11 n-Heneicosane (C21)

R.T.: 13.433 min
Delta R.T.: 0.000 min
Response: 2440891
Conc: 20.00 ug/ml



#12 1-chlorooctadecane (SURR)

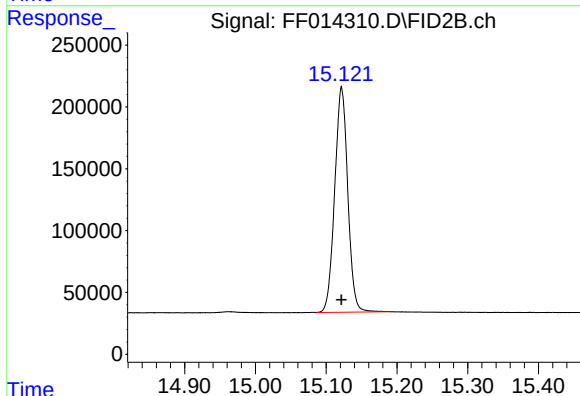
R.T.: 13.264 min
Delta R.T.: 0.000 min
Response: 1876428
Conc: 20.00 ug/ml



#13 n-Docosane (C22)

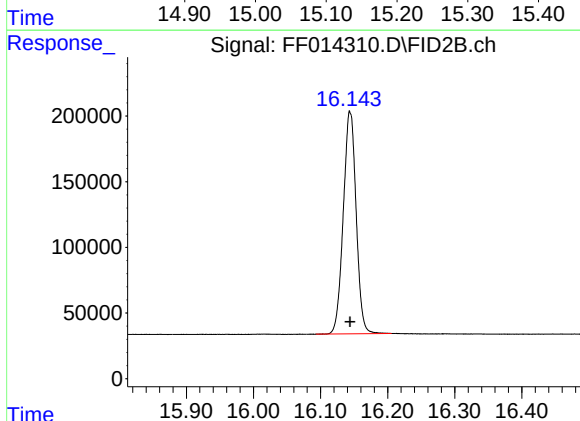
R.T.: 14.019 min
Delta R.T.: 0.000 min
Response: 2387248
Conc: 20.00 ug/ml

Instrument :
FID_F
ClientSampleId :
20 PPM ALIPHATIC HC STD3



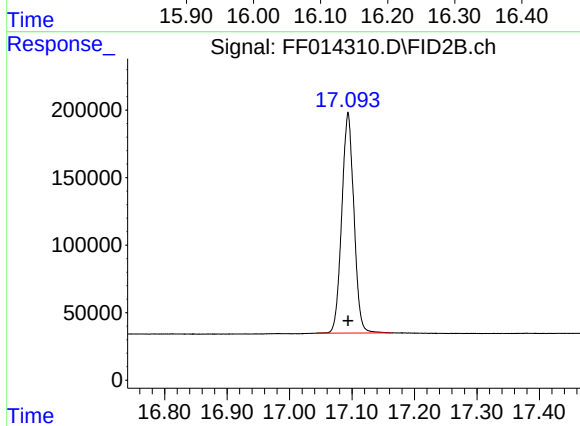
#14 n-Tetracosane (C24)

R.T.: 15.122 min
Delta R.T.: 0.000 min
Response: 2334747
Conc: 20.00 ug/ml



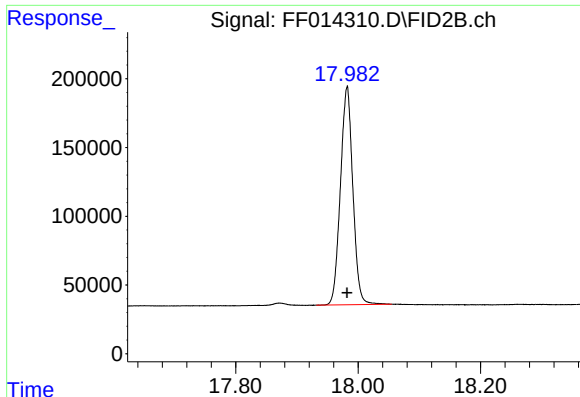
#15 n-Hexacosane (C26)

R.T.: 16.144 min
Delta R.T.: 0.000 min
Response: 2256440
Conc: 20.00 ug/ml



#16 n-Octacosane (C28)

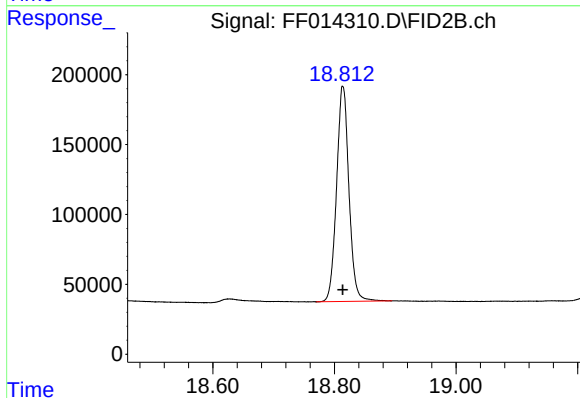
R.T.: 17.094 min
Delta R.T.: 0.000 min
Response: 2203702
Conc: 20.00 ug/ml



#17 n-Tricontane (C30)

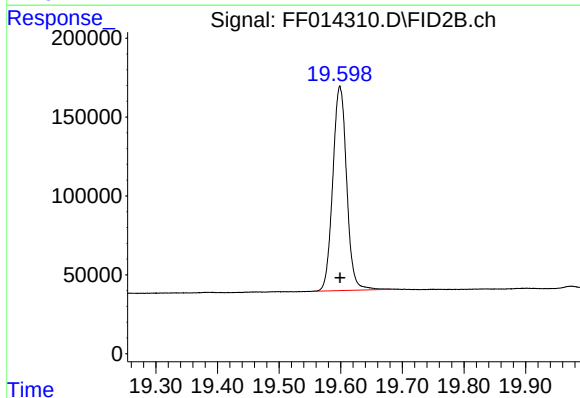
R.T.: 17.982 min
Delta R.T.: 0.000 min
Response: 2235695
Conc: 20.00 ug/ml

Instrument :
FID_F
ClientSampleId :
20 PPM ALIPHATIC HC STD3



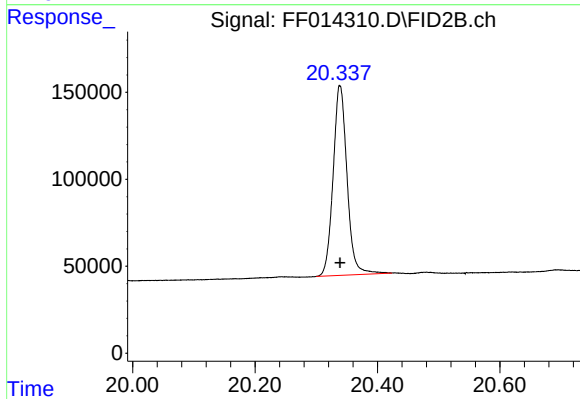
#18 n-Dotriacontane (C32)

R.T.: 18.814 min
Delta R.T.: 0.000 min
Response: 2177633
Conc: 20.00 ug/ml



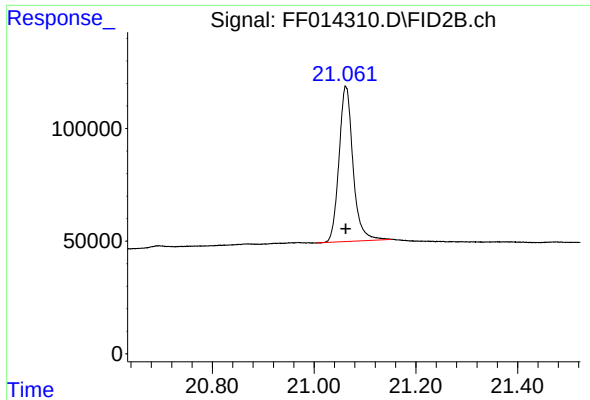
#19 n-Tetratriacontane (C34)

R.T.: 19.599 min
Delta R.T.: 0.000 min
Response: 2024773
Conc: 20.00 ug/ml



#20 n-Hexatriacontane (C36)

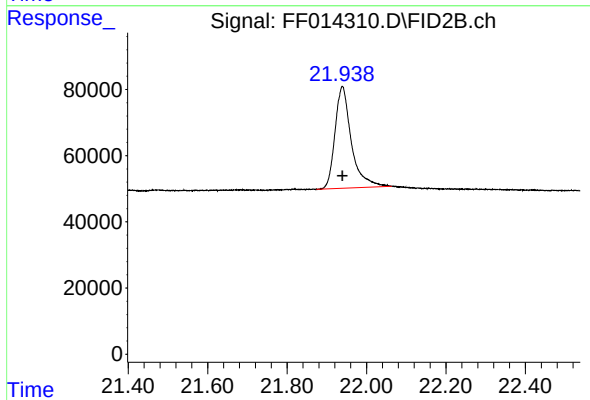
R.T.: 20.339 min
Delta R.T.: 0.000 min
Response: 1725518
Conc: 20.00 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.062 min
Delta R.T.: 0.000 min
Response: 1317268
Conc: 20.00 ug/ml

Instrument :
FID_F
ClientSampleId :
20 PPM ALIPHATIC HC STD3



#22 n-Tetracontane (C40)

R.T.: 21.939 min
Delta R.T.: 0.000 min
Response: 879561
Conc: 20.00 ug/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF072924AL\
 Data File : FF014311.D
 Signal(s) : FID2B.ch
 Acq On : 29 Jul 2024 18:54
 Operator : YP\AJ
 Sample : 10 PPM ALIPHATIC HC STD4
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 FID_F
 ClientSampleId :
 10 PPM ALIPHATIC HC STD4

Integration File: autoint1.e
 Quant Time: Jul 30 05:50:33 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 072924.M
 Quant Title : GC Extractables
 QLast Update : Tue Jul 30 05:50:13 2024
 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)	11.820	1416952	10.061 ug/ml
Spiked Amount 50.000		Recovery =	20.12%
12) S 1-chlorooctadecane (S...	13.263	914461	9.781 ug/ml
Spiked Amount 50.000		Recovery =	19.56%
Target Compounds			
1) T n-Nonane (C9)	3.221	1305169	10.099 ug/ml
2) T n-Decane (C10)	4.470	1320023	10.075 ug/ml
3) T A~Naphthalene (C11.7)	6.165	1245168	9.779 ug/ml
4) T n-Dodecane (C12)	6.635	1333452	10.083 ug/ml
5) T A~2-methylnaphthalene...	7.261	1113344	9.610 ug/ml
6) T n-Tetradecane (C14)	8.461	1290361	10.024 ug/ml
7) T n-Hexadecane (C16)	10.067	1287181	9.941 ug/ml
8) T n-Octadecane (C18)	11.510	1319848	9.996 ug/ml
10) T n-Eicosane (C20)	12.819	1259902	10.024 ug/ml
11) T n-Heneicosane (C21)	13.431	1225910	9.995 ug/ml
13) T n-Docosane (C22)	14.017	1198115	9.998 ug/ml
14) T n-Tetracosane (C24)	15.122	1162716	9.949 ug/ml
15) T n-Hexacosane (C26)	16.144	1132857	10.023 ug/ml
16) T n-Octacosane (C28)	17.095	1116255	10.126 ug/ml
17) T n-Tricontane (C30)	17.982	1149593	10.299 ug/ml
18) T n-Dotriacontane (C32)	18.814	1159893	10.568 ug/ml
19) T n-Tetratriacontane (C34)	19.599	1103788	10.753 ug/ml
20) T n-Hexatriacontane (C36)	20.338	980048	10.978 ug/ml
21) T n-Octatriacontane (C38)	21.062	748661	10.871 ug/ml
22) T n-Tetracontane (C40)	21.941	519946	11.622 ug/ml

(f)=RT Delta > 1/2 Window

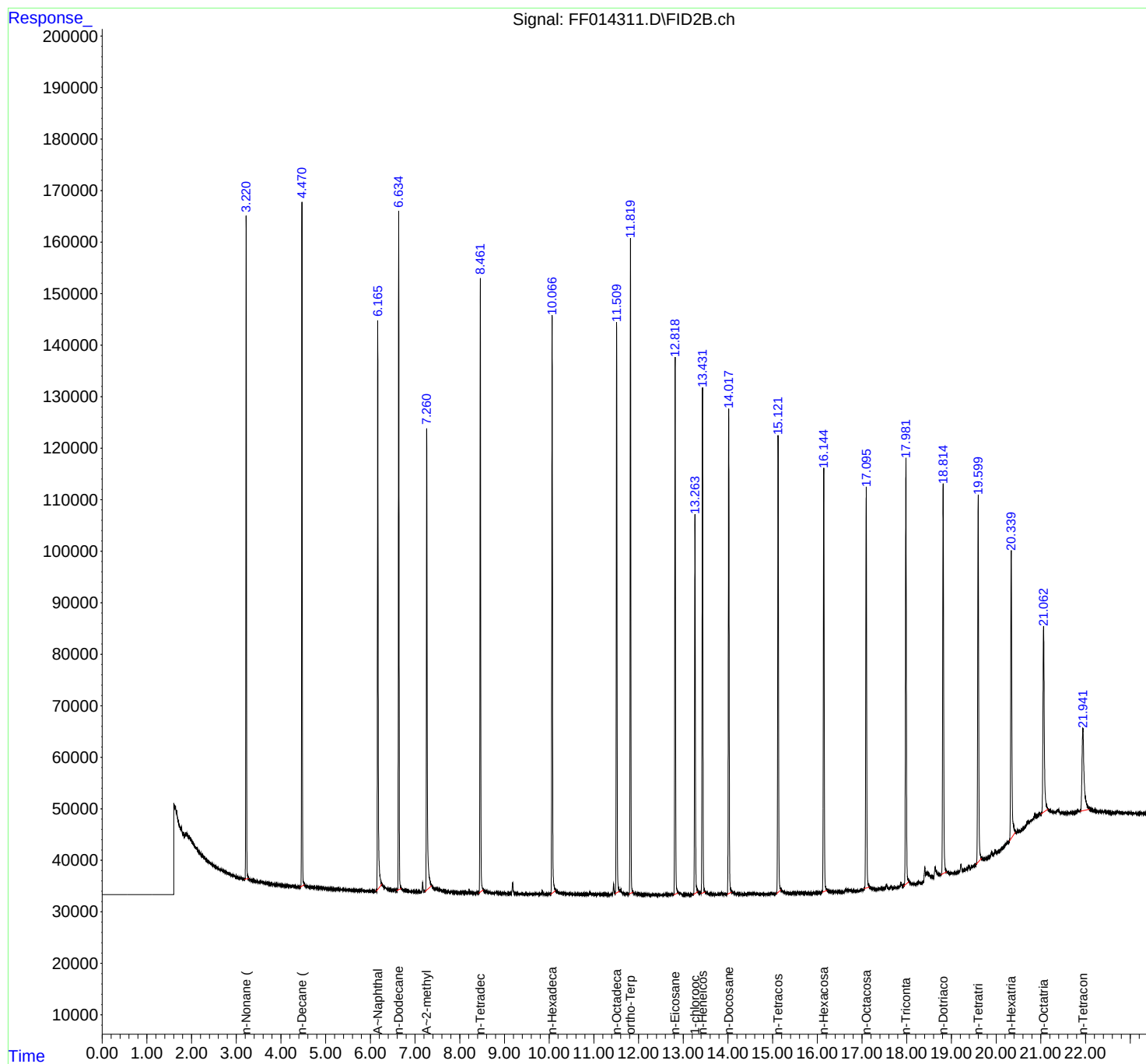
(m)=manual int.

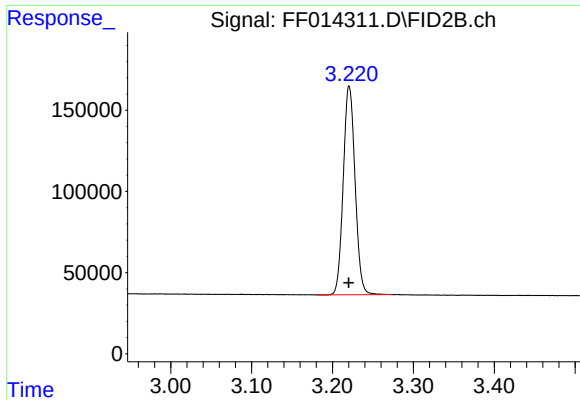
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF072924AL\
Data File : FF014311.D
Signal(s) : FID2B.ch
Acq On : 29 Jul 2024 18:54
Operator : YP\AJ
Sample : 10 PPM ALIPHATIC HC STD4
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
10 PPM ALIPHATIC HC STD4

Integration File: autoint1.e
Quant Time: Jul 30 05:50:33 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 072924.M
Quant Title : GC Extractables
QLast Update : Tue Jul 30 05:50:13 2024
Response via : Initial Calibration
Integrator: ChemStation

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

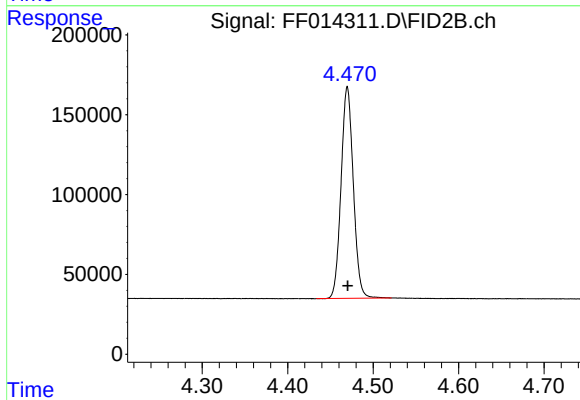




#1 n-Nonane (C9)

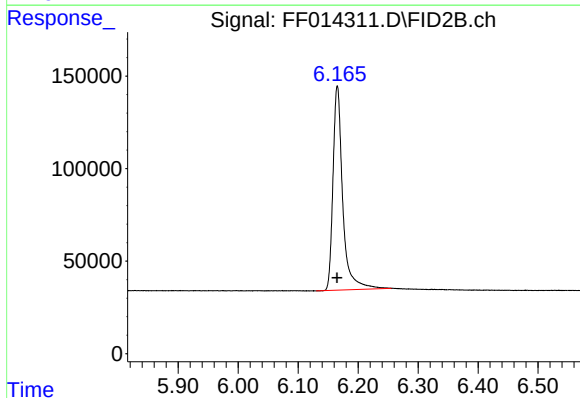
R.T.: 3.221 min
Delta R.T.: 0.000 min
Response: 1305169
Conc: 10.10 ug/ml

Instrument :
FID_F
ClientSampleId :
10 PPM ALIPHATIC HC STD4



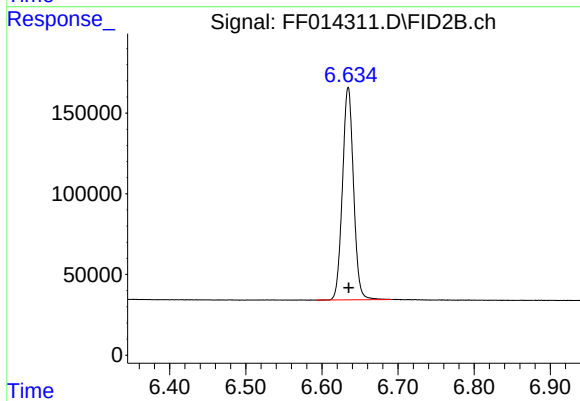
#2 n-Decane (C10)

R.T.: 4.470 min
Delta R.T.: 0.000 min
Response: 1320023
Conc: 10.07 ug/ml



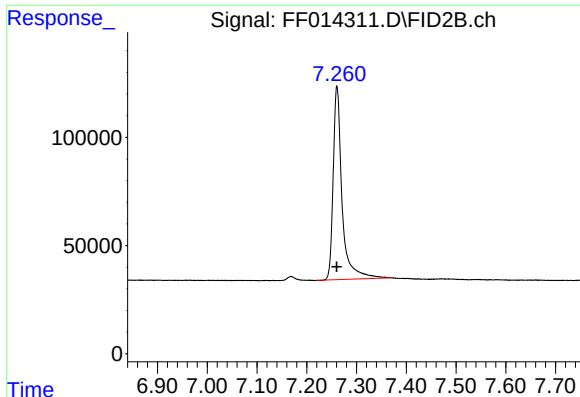
#3 A~Naphthalene (C11.7)

R.T.: 6.165 min
Delta R.T.: 0.000 min
Response: 1245168
Conc: 9.78 ug/ml



#4 n-Dodecane (C12)

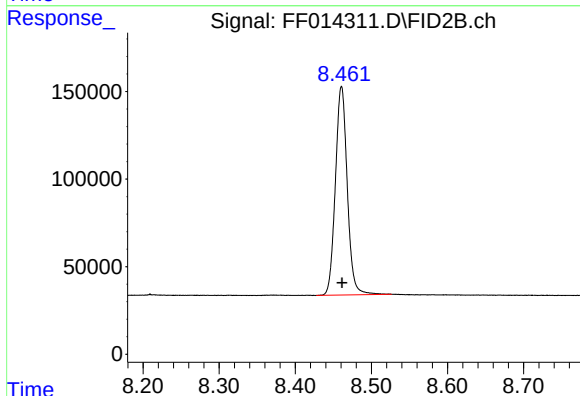
R.T.: 6.635 min
Delta R.T.: 0.000 min
Response: 1333452
Conc: 10.08 ug/ml



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

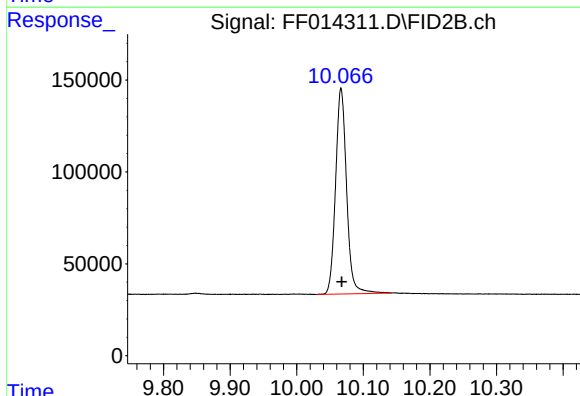
R.T.: 7.261 min
Delta R.T.: 0.000 min
Response: 1113344
Conc: 9.61 ug/ml

Instrument :
FID_F
ClientSampleId :
10 PPM ALIPHATIC HC STD4



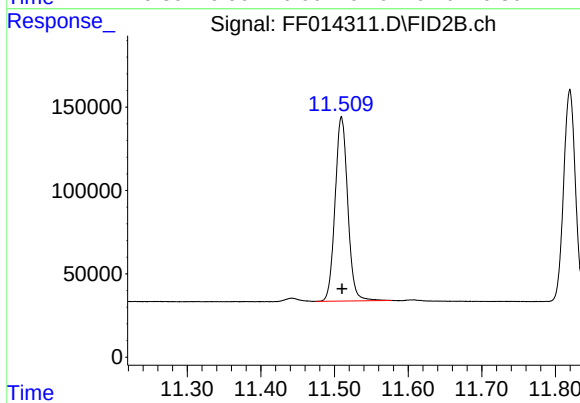
#6 n-Tetradecane (C14)

R.T.: 8.461 min
Delta R.T.: 0.000 min
Response: 1290361
Conc: 10.02 ug/ml



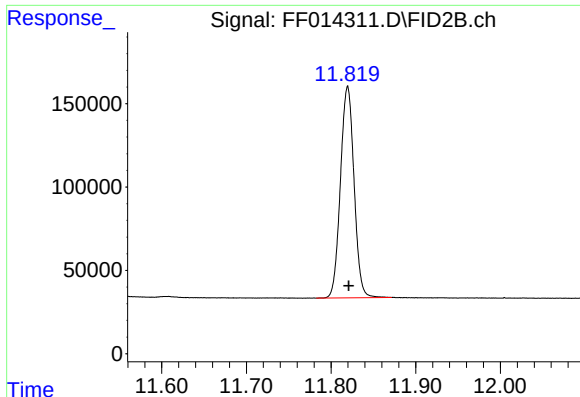
#7 n-Hexadecane (C16)

R.T.: 10.067 min
Delta R.T.: 0.000 min
Response: 1287181
Conc: 9.94 ug/ml



#8 n-Octadecane (C18)

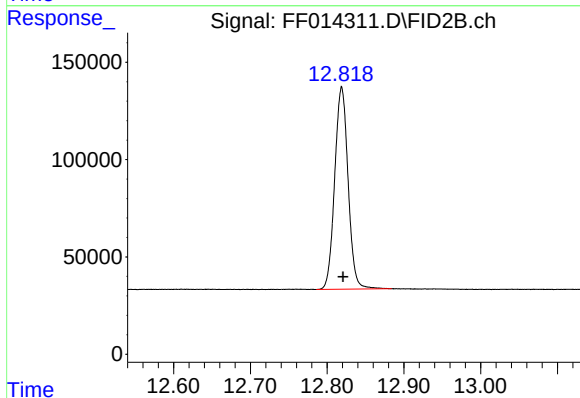
R.T.: 11.510 min
Delta R.T.: 0.000 min
Response: 1319848
Conc: 10.00 ug/ml



#9 ortho-Terphenyl (SURR)

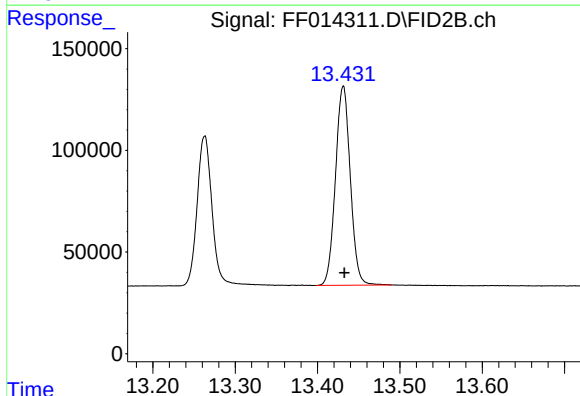
R.T.: 11.820 min
Delta R.T.: -0.001 min
Response: 1416952
Conc: 10.06 ug/ml

Instrument :
FID_F
ClientSampleId :
10 PPM ALIPHATIC HC STD4



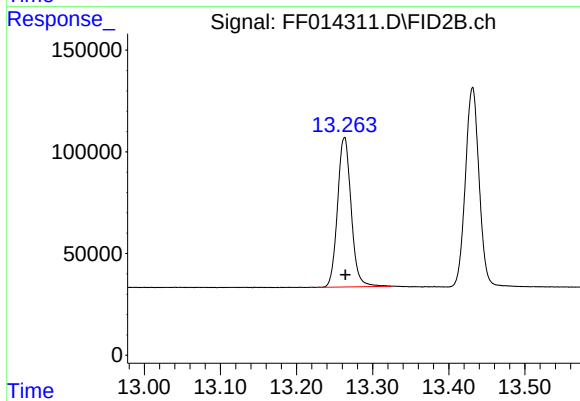
#10 n-Eicosane (C20)

R.T.: 12.819 min
Delta R.T.: -0.002 min
Response: 1259902
Conc: 10.02 ug/ml



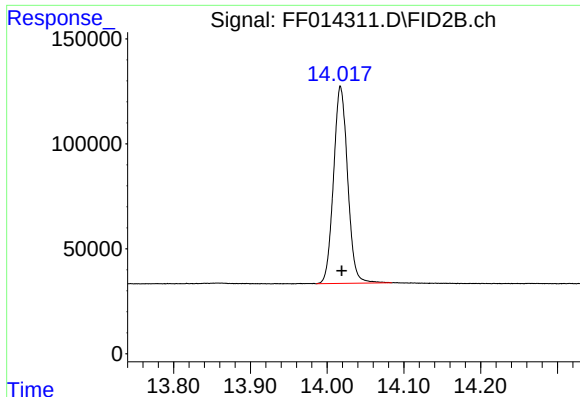
#11 n-Heneicosane (C21)

R.T.: 13.431 min
Delta R.T.: -0.001 min
Response: 1225910
Conc: 10.00 ug/ml



#12 1-chlorooctadecane (SURR)

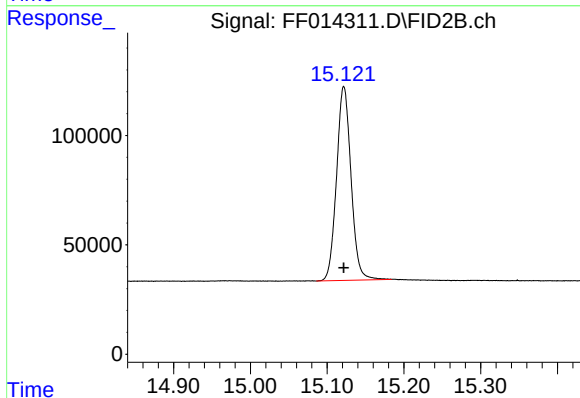
R.T.: 13.263 min
Delta R.T.: -0.001 min
Response: 914461
Conc: 9.78 ug/ml



#13 n-Docosane (C22)

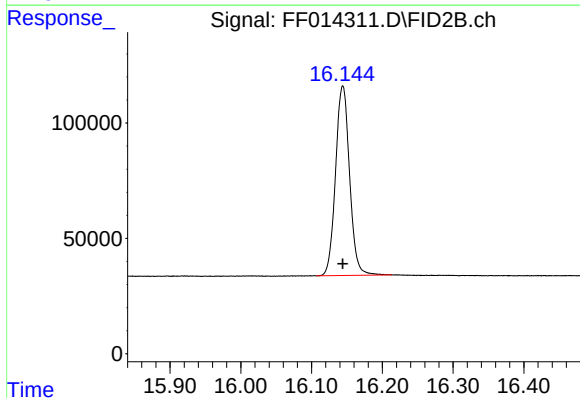
R.T.: 14.017 min
Delta R.T.: -0.002 min
Response: 1198115
Conc: 10.00 ug/ml

Instrument :
FID_F
ClientSampleId :
10 PPM ALIPHATIC HC STD4



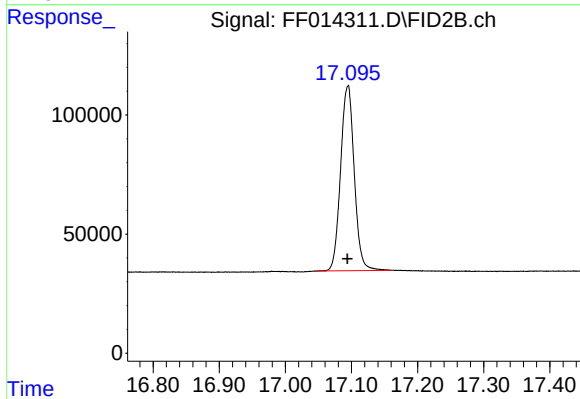
#14 n-Tetracosane (C24)

R.T.: 15.122 min
Delta R.T.: 0.000 min
Response: 1162716
Conc: 9.95 ug/ml



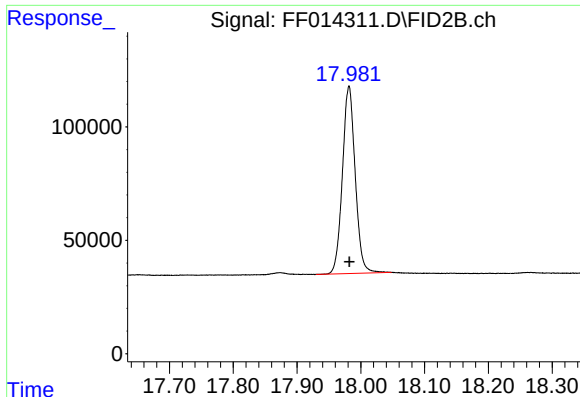
#15 n-Hexacosane (C26)

R.T.: 16.144 min
Delta R.T.: 0.000 min
Response: 1132857
Conc: 10.02 ug/ml



#16 n-Octacosane (C28)

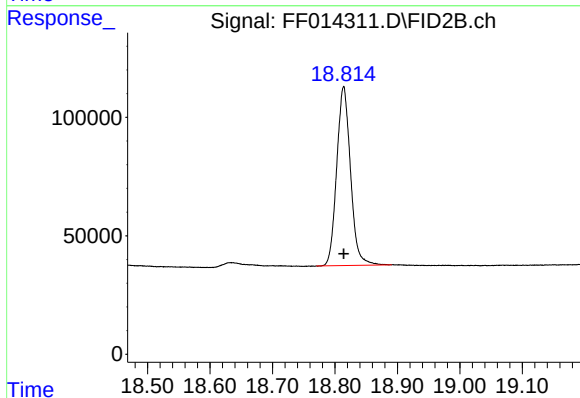
R.T.: 17.095 min
Delta R.T.: 0.000 min
Response: 1116255
Conc: 10.13 ug/ml



#17 n-Tricontane (C30)

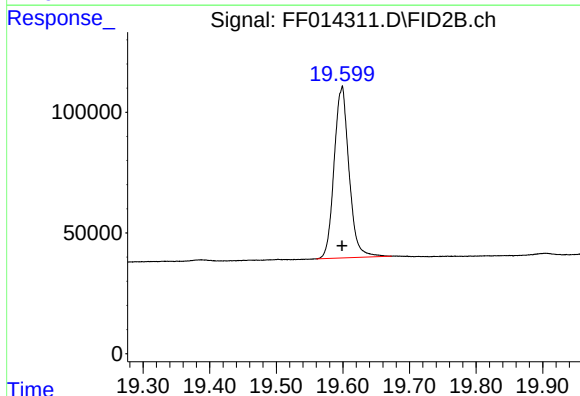
R.T.: 17.982 min
Delta R.T.: 0.000 min
Response: 1149593
Conc: 10.30 ug/ml

Instrument :
FID_F
ClientSampleId :
10 PPM ALIPHATIC HC STD4



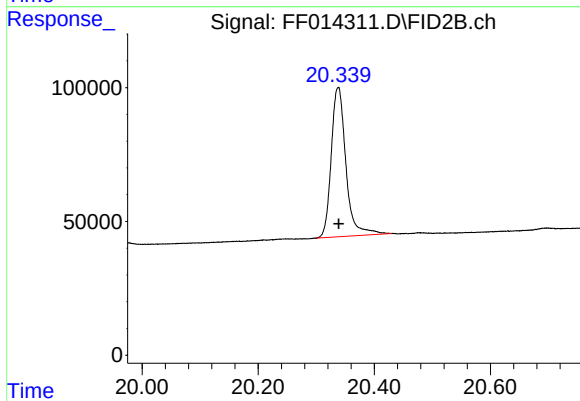
#18 n-Dotriacontane (C32)

R.T.: 18.814 min
Delta R.T.: 0.000 min
Response: 1159893
Conc: 10.57 ug/ml



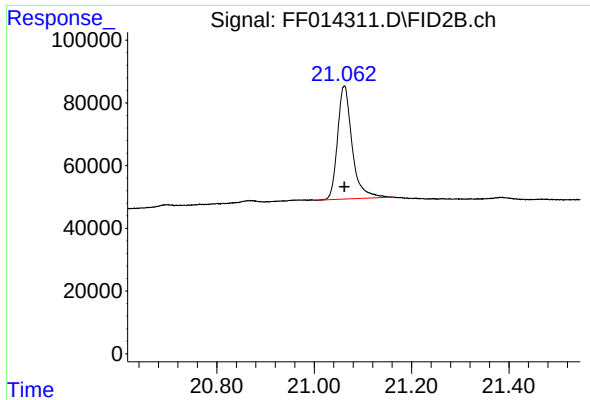
#19 n-Tetratriacontane (C34)

R.T.: 19.599 min
Delta R.T.: 0.000 min
Response: 1103788
Conc: 10.75 ug/ml



#20 n-Hexatriacontane (C36)

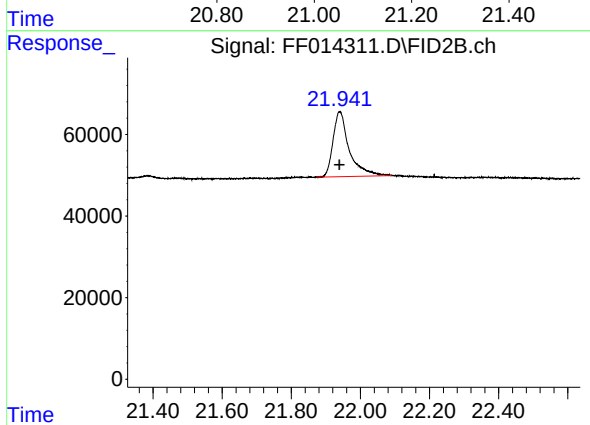
R.T.: 20.338 min
Delta R.T.: 0.000 min
Response: 980048
Conc: 10.98 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.062 min
Delta R.T.: 0.000 min
Response: 748661
Conc: 10.87 ug/ml

Instrument :
FID_F
ClientSampleId :
10 PPM ALIPHATIC HC STD4



#22 n-Tetracontane (C40)

R.T.: 21.941 min
Delta R.T.: 0.002 min
Response: 519946
Conc: 11.62 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF072924AL\
Data File : FF014311.D
Signal(s) : FID2B.ch
Acq On : 29 Jul 2024 18:54
Sample : 10 PPM ALIPHATIC HC STD4
Misc :
ALS Vial : 14 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 072924.M
Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.221	3.180	3.273	BB	128527	1305169	92.11%	5.158%
2	4.470	4.433	4.522	BB	132792	1320023	93.16%	5.217%
3	6.166	6.130	6.256	BB	110367	1245168	87.88%	4.921%
4	6.635	6.593	6.692	BB	131921	1333452	94.11%	5.270%
5	7.261	7.219	7.371	BB	89460	1113344	78.57%	4.400%
6	8.461	8.428	8.527	BB	119167	1290361	91.07%	5.100%
7	10.067	10.029	10.143	BB	112090	1287181	90.84%	5.087%
8	11.510	11.475	11.578	BB	110639	1319848	93.15%	5.216%
9	11.820	11.783	11.872	BB	127322	1416952	100.00%	5.600%
10	12.819	12.786	12.884	BB	104090	1259902	88.92%	4.979%
11	13.263	13.226	13.325	BB	73559	914461	64.54%	3.614%
12	13.431	13.398	13.490	BB	98206	1225910	86.52%	4.845%
13	14.017	13.986	14.084	BB	93886	1198115	84.56%	4.735%
14	15.122	15.086	15.184	BB	88678	1162716	82.06%	4.595%
15	16.144	16.107	16.213	BB	82240	1132857	79.95%	4.477%
16	17.095	17.047	17.161	BB	77686	1116255	78.78%	4.411%
17	17.982	17.930	18.048	BB	82766	1149593	81.13%	4.543%
18	18.814	18.770	18.891	BB	75671	1159893	81.86%	4.584%
19	19.599	19.560	19.673	BB	71237	1103788	77.90%	4.362%
20	20.338	20.300	20.430	BB	55717	980048	69.17%	3.873%
21	21.062	21.004	21.159	BB	36097	748661	52.84%	2.959%
22	21.941	21.872	22.090	BB	15958	519946	36.69%	2.055%
Sum of corrected areas:						25303642		

Aliphatic EPH 072924.M Tue Jul 30 06:14:02 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF072924AL\
 Data File : FF014312.D
 Signal(s) : FID2B.ch
 Acq On : 29 Jul 2024 19:23
 Operator : YP\AJ
 Sample : 5 PPM ALIPHATIC HC STD5
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 FID_F
 ClientSampleId :
 5 PPM ALIPHATIC HC STD5

Integration File: autoint1.e
 Quant Time: Jul 30 05:45:21 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 072924.M
 Quant Title : GC Extractables
 QLast Update : Tue Jul 30 05:45:05 2024
 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)	11.819	722941	5.105 ug/ml
Spiked Amount 50.000		Recovery =	10.21%
12) S 1-chlorooctadecane (S...	13.264	433702	4.646 ug/ml
Spiked Amount 50.000		Recovery =	9.29%
Target Compounds			
1) T n-Nonane (C9)	3.221	665156	5.125 ug/ml
2) T n-Decane (C10)	4.470	663683	5.051 ug/ml
3) T A~Naphthalene (C11.7)	6.167	594974	4.680 ug/ml
4) T n-Dodecane (C12)	6.635	669674	5.051 ug/ml
5) T A~2-methylnaphthalene...	7.263	498478	4.333 ug/ml
6) T n-Tetradecane (C14)	8.461	641376	4.974 ug/ml
7) T n-Hexadecane (C16)	10.067	621075	4.802 ug/ml
8) T n-Octadecane (C18)	11.510	646399	4.893 ug/ml
10) T n-Eicosane (C20)	12.820	626502	4.973 ug/ml
11) T n-Heneicosane (C21)	13.431	613614	4.987 ug/ml
13) T n-Docosane (C22)	14.018	592782	4.938 ug/ml
14) T n-Tetracosane (C24)	15.122	579896	4.945 ug/ml
15) T n-Hexacosane (C26)	16.143	568257	5.016 ug/ml
16) T n-Octacosane (C28)	17.095	567262	5.130 ug/ml
17) T n-Tricontane (C30)	17.982	596639	5.324 ug/ml
18) T n-Dotriacontane (C32)	18.816	622549	5.637 ug/ml
19) T n-Tetratriacontane (C34)	19.600	611104	5.905 ug/ml
20) T n-Hexatriacontane (C36)	20.339	552416	6.150 ug/ml
21) T n-Octatriacontane (C38)	21.064	437849	6.304 ug/ml
22) T n-Tetracontane (C40)	21.944	280804	6.357 ug/ml

(f)=RT Delta > 1/2 Window

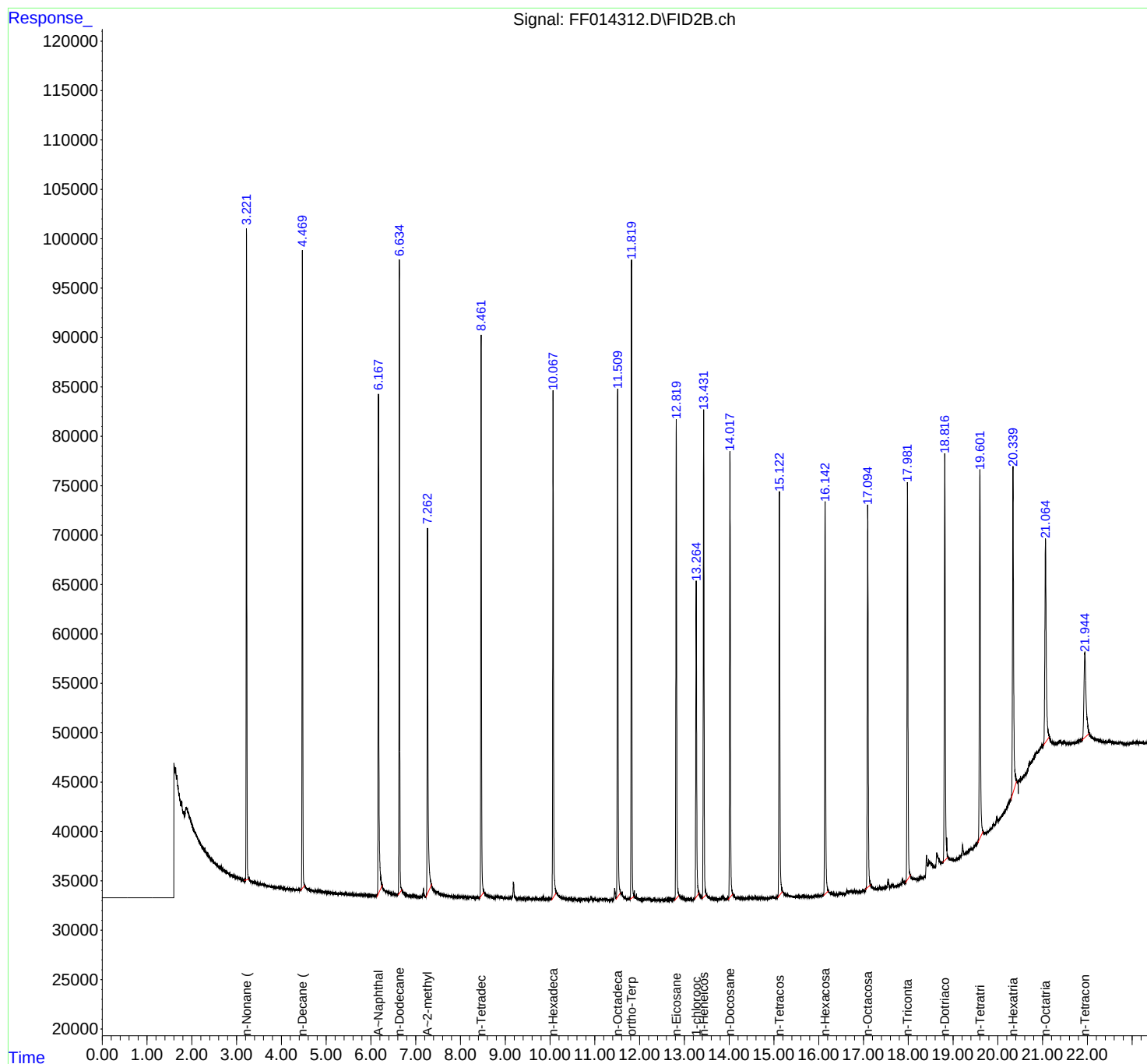
(m)=manual int.

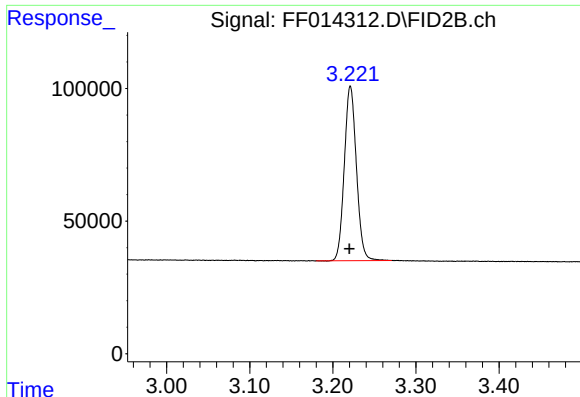
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF072924AL\
Data File : FF014312.D
Signal(s) : FID2B.ch
Acq On : 29 Jul 2024 19:23
Operator : YP\AJ
Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
5 PPM ALIPHATIC HC STD5

Integration File: autoint1.e
Quant Time: Jul 30 05:45:21 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 072924.M
Quant Title : GC Extractables
QLast Update : Tue Jul 30 05:45:05 2024
Response via : Initial Calibration
Integrator: ChemStation

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

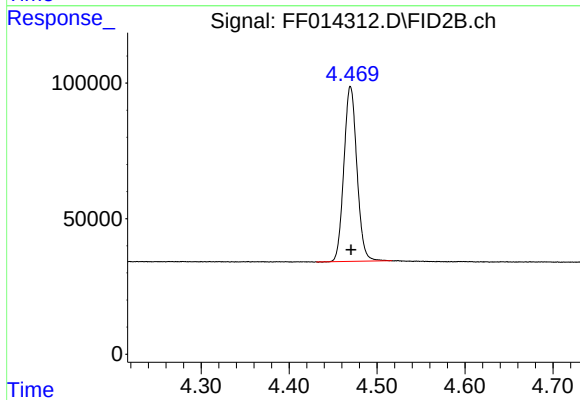




#1 n-Nonane (C9)

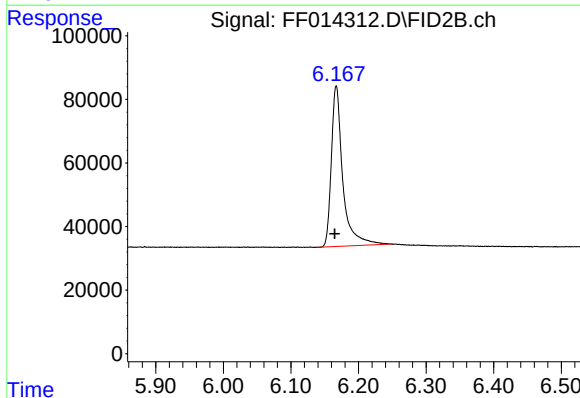
R.T.: 3.221 min
Delta R.T.: 0.001 min
Response: 665156
Conc: 5.13 ug/ml

Instrument :
FID_F
ClientSampleId :
5 PPM ALIPHATIC HC STD5



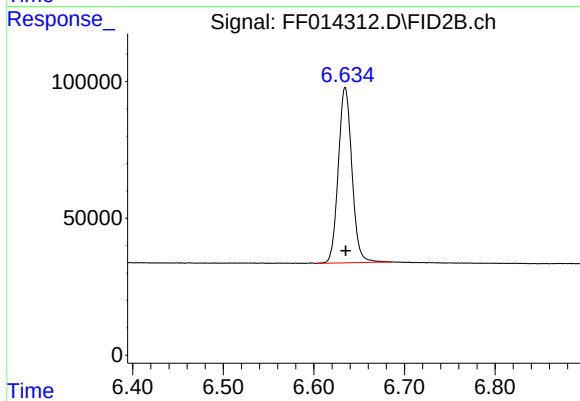
#2 n-Decane (C10)

R.T.: 4.470 min
Delta R.T.: 0.000 min
Response: 663683
Conc: 5.05 ug/ml



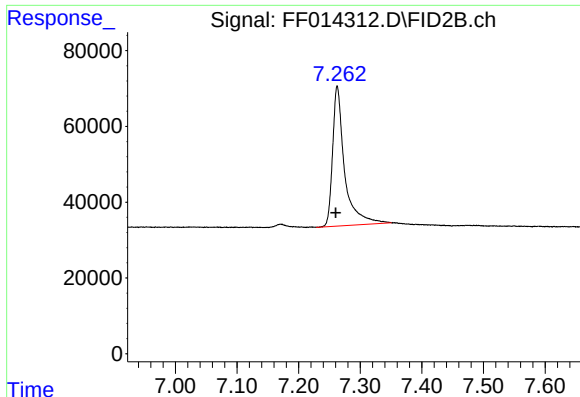
#3 A~Naphthalene (C11.7)

R.T.: 6.167 min
Delta R.T.: 0.002 min
Response: 594974
Conc: 4.68 ug/ml



#4 n-Dodecane (C12)

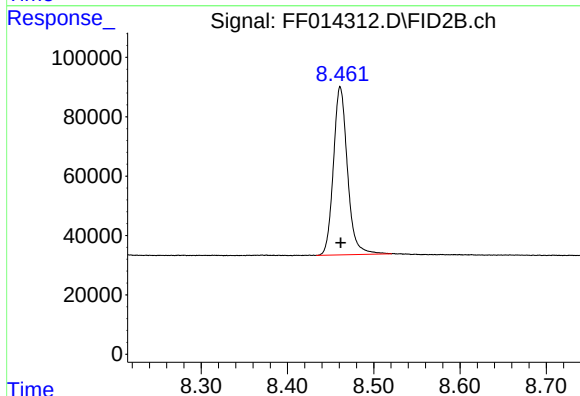
R.T.: 6.635 min
Delta R.T.: 0.000 min
Response: 669674
Conc: 5.05 ug/ml



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

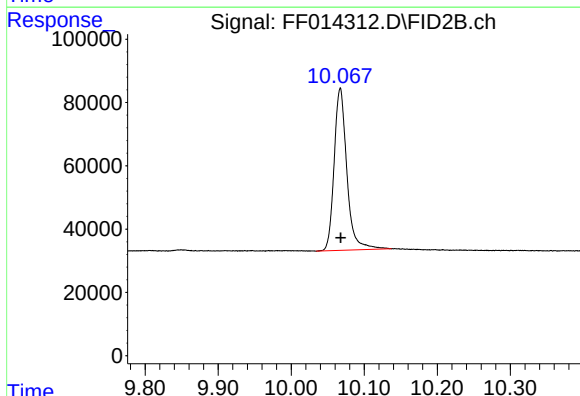
R.T.: 7.263 min
Delta R.T.: 0.003 min
Response: 498478
Conc: 4.33 ug/ml

Instrument :
FID_F
ClientSampleId :
5 PPM ALIPHATIC HC STD5



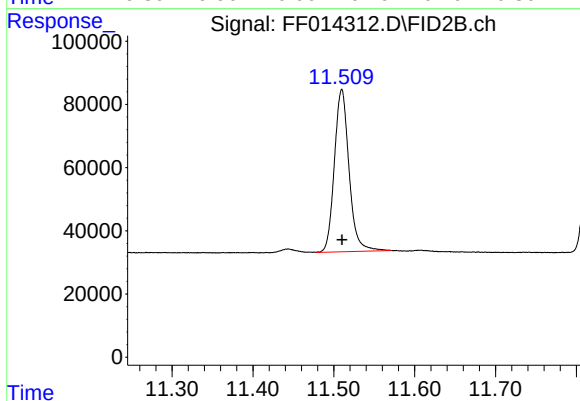
#6 n-Tetradecane (C14)

R.T.: 8.461 min
Delta R.T.: 0.000 min
Response: 641376
Conc: 4.97 ug/ml



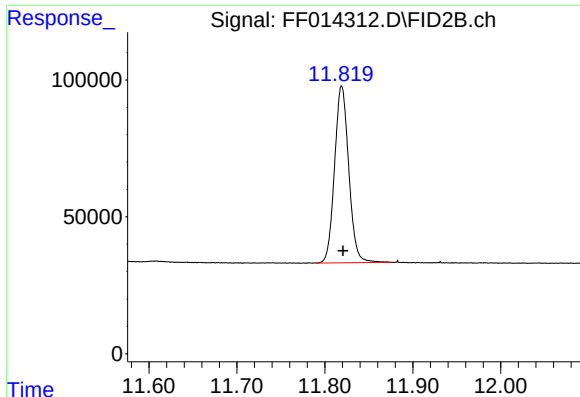
#7 n-Hexadecane (C16)

R.T.: 10.067 min
Delta R.T.: 0.000 min
Response: 621075
Conc: 4.80 ug/ml



#8 n-Octadecane (C18)

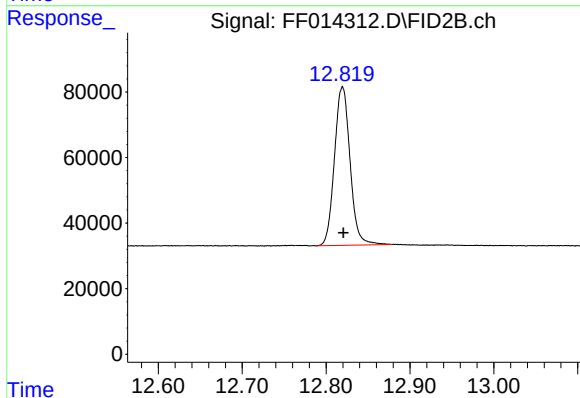
R.T.: 11.510 min
Delta R.T.: 0.000 min
Response: 646399
Conc: 4.89 ug/ml



#9 ortho-Terphenyl (SURR)

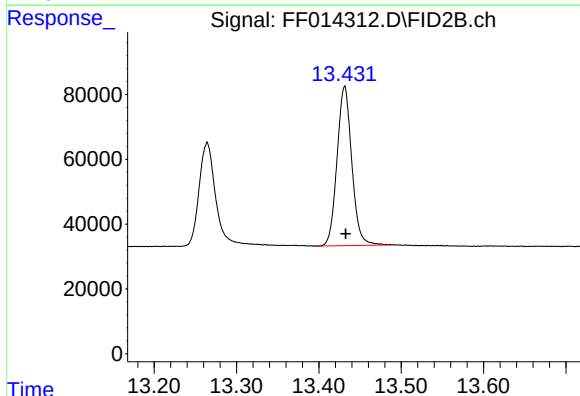
R.T.: 11.819 min
Delta R.T.: -0.002 min
Response: 722941
Conc: 5.10 ug/ml

Instrument :
FID_F
ClientSampleId :
5 PPM ALIPHATIC HC STD5



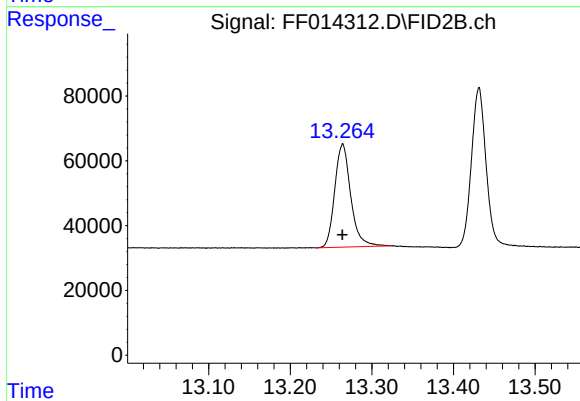
#10 n-Eicosane (C20)

R.T.: 12.820 min
Delta R.T.: 0.000 min
Response: 626502
Conc: 4.97 ug/ml



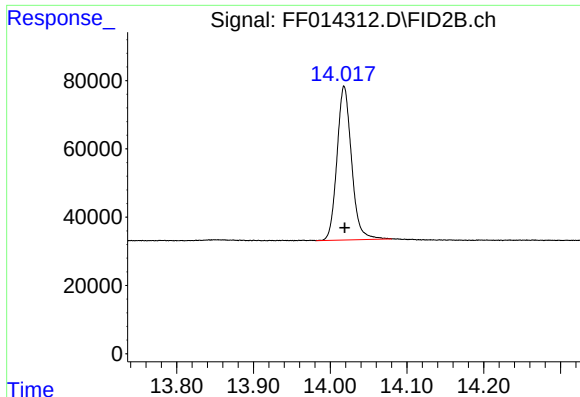
#11 n-Heneicosane (C21)

R.T.: 13.431 min
Delta R.T.: -0.001 min
Response: 613614
Conc: 4.99 ug/ml



#12 1-chlorooctadecane (SURR)

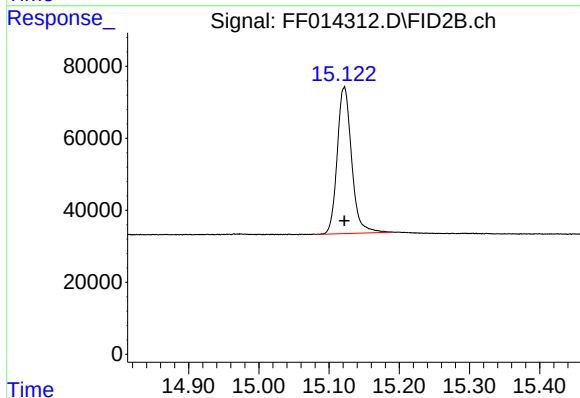
R.T.: 13.264 min
Delta R.T.: 0.000 min
Response: 433702
Conc: 4.65 ug/ml



#13 n-Docosane (C22)

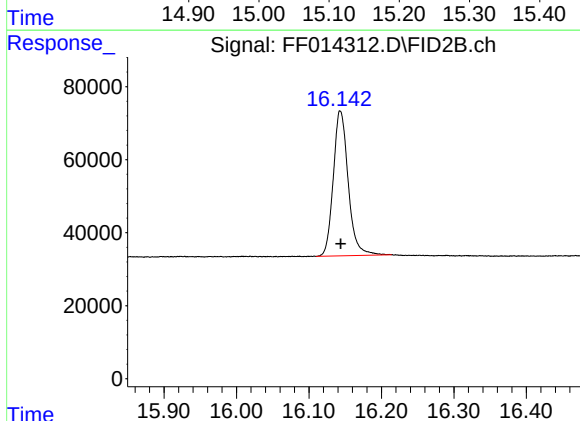
R.T.: 14.018 min
Delta R.T.: 0.000 min
Response: 592782
Conc: 4.94 ug/ml

Instrument :
FID_F
ClientSampleId :
5 PPM ALIPHATIC HC STD5



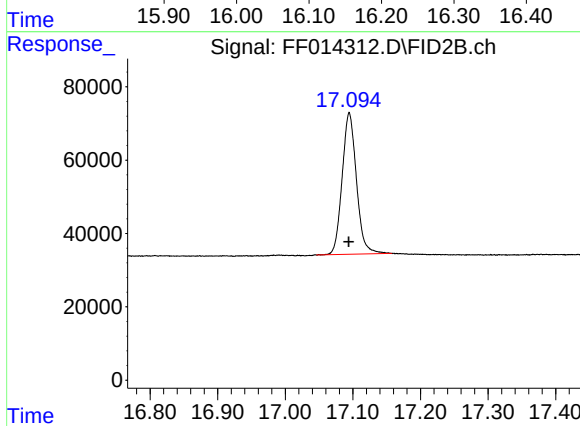
#14 n-Tetracosane (C24)

R.T.: 15.122 min
Delta R.T.: 0.000 min
Response: 579896
Conc: 4.95 ug/ml



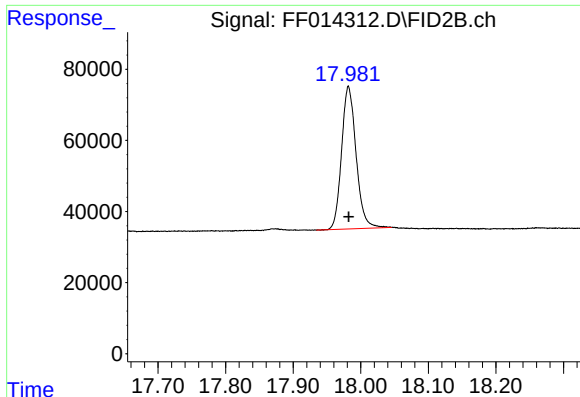
#15 n-Hexacosane (C26)

R.T.: 16.143 min
Delta R.T.: 0.000 min
Response: 568257
Conc: 5.02 ug/ml



#16 n-Octacosane (C28)

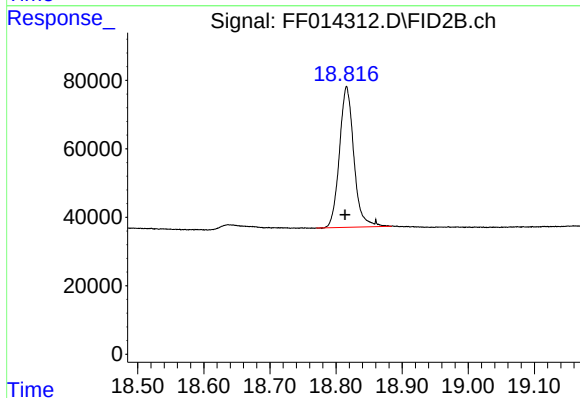
R.T.: 17.095 min
Delta R.T.: 0.000 min
Response: 567262
Conc: 5.13 ug/ml



#17 n-Tricontane (C30)

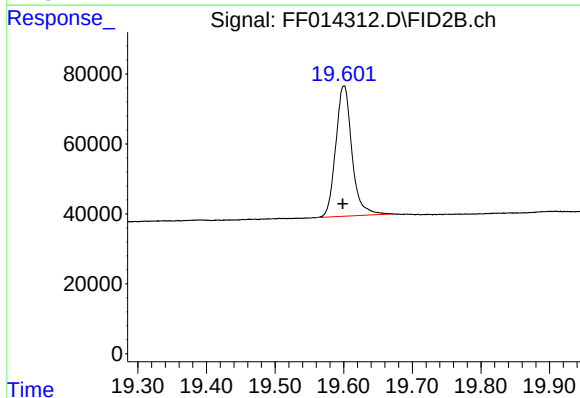
R.T.: 17.982 min
Delta R.T.: 0.000 min
Response: 596639
Conc: 5.32 ug/ml

Instrument :
FID_F
ClientSampleId :
5 PPM ALIPHATIC HC STD5



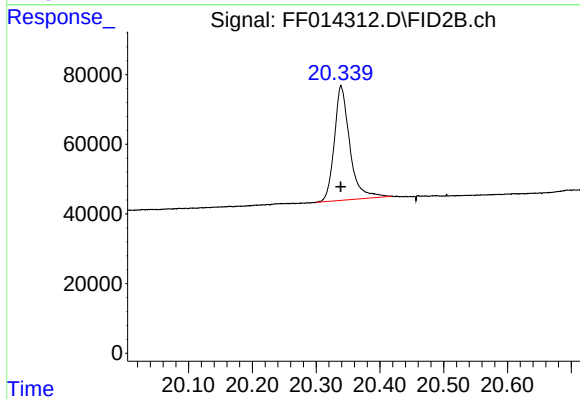
#18 n-Dotriacontane (C32)

R.T.: 18.816 min
Delta R.T.: 0.002 min
Response: 622549
Conc: 5.64 ug/ml



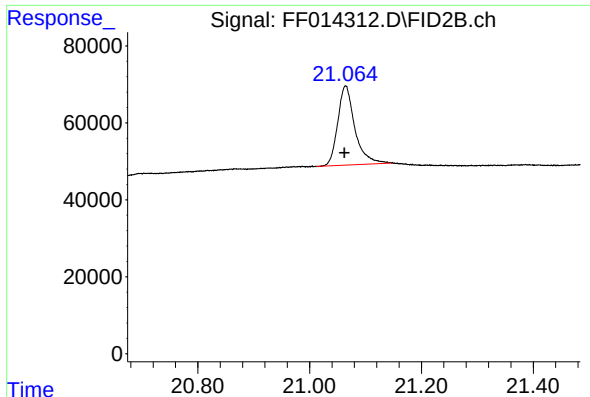
#19 n-Tetratriacontane (C34)

R.T.: 19.600 min
Delta R.T.: 0.002 min
Response: 611104
Conc: 5.90 ug/ml



#20 n-Hexatriacontane (C36)

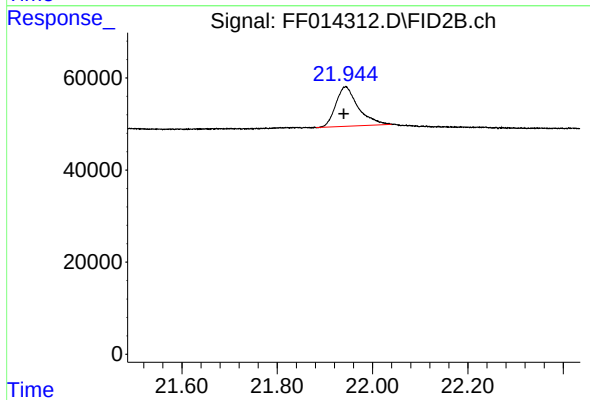
R.T.: 20.339 min
Delta R.T.: 0.000 min
Response: 552416
Conc: 6.15 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.064 min
Delta R.T.: 0.002 min
Response: 437849
Conc: 6.30 ug/ml

Instrument :
FID_F
ClientSampleId :
5 PPM ALIPHATIC HC STD5



#22 n-Tetracontane (C40)

R.T.: 21.944 min
Delta R.T.: 0.005 min
Response: 280804
Conc: 6.36 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF072924AL\
Data File : FF014312.D
Signal(s) : FID2B.ch
Acq On : 29 Jul 2024 19:23
Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 15 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 072924.M
Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.221	3.180	3.271	BB	65875	665156	92.01%	5.194%
2	4.470	4.431	4.517	BB	64519	663683	91.80%	5.182%
3	6.167	6.138	6.249	BB	50562	594974	82.30%	4.646%
4	6.635	6.603	6.686	BB	64152	669674	92.63%	5.229%
5	7.263	7.228	7.351	BB	36976	498478	68.95%	3.892%
6	8.461	8.433	8.521	BB	56564	641376	88.72%	5.008%
7	10.067	10.034	10.138	BB	51418	621075	85.91%	4.849%
8	11.510	11.478	11.572	BB	51442	646399	89.41%	5.047%
9	11.819	11.790	11.876	BB	64577	722941	100.00%	5.645%
10	12.820	12.788	12.878	BB	48454	626502	86.66%	4.892%
11	13.264	13.232	13.324	BB	31964	433702	59.99%	3.386%
12	13.431	13.397	13.488	BB	49425	613614	84.88%	4.791%
13	14.018	13.982	14.080	BB	45034	592782	82.00%	4.629%
14	15.122	15.082	15.189	BB	40721	579896	80.21%	4.528%
15	16.143	16.110	16.214	BB	39637	568257	78.60%	4.437%
16	17.095	17.046	17.158	BB	38726	567262	78.47%	4.429%
17	17.982	17.934	18.046	BB	40202	596639	82.53%	4.659%
18	18.816	18.770	18.884	BB	41214	622549	86.11%	4.861%
19	19.600	19.560	19.670	BB	37321	611104	84.53%	4.772%
20	20.339	20.300	20.418	BB	32954	552416	76.41%	4.313%
21	21.064	21.012	21.147	BB	20586	437849	60.56%	3.419%
22	21.944	21.882	22.040	BB	8675	280804	38.84%	2.193%
Sum of corrected areas:						12807134		

Aliphatic EPH 072924.M Tue Jul 30 06:14:20 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF072924AL\
 Data File : FF014313.D
 Signal(s) : FID2B.ch
 Acq On : 29 Jul 2024 20:23
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD ICV
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 FID_F
 ClientSampleId :
 20 PPM ALIPHATIC HC STD ICV

Integration File: autoint1.e
 Quant Time: Jul 30 06:06:50 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 072924.M
 Quant Title : GC Extractables
 QLast Update : Tue Jul 30 05:51:52 2024
 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)	11.821	2810014	19.952 ug/ml
Spiked Amount 50.000		Recovery =	39.90%
12) S 1-chlorooctadecane (S...	13.263	1888026	20.194 ug/ml
Spiked Amount 50.000		Recovery =	40.39%
Target Compounds			
1) T n-Nonane (C9)	3.220	2577301	19.942 ug/ml
2) T n-Decane (C10)	4.470	2626360	20.045 ug/ml
3) T A~Naphthalene (C11.7)	6.164	2577539	20.243 ug/ml
4) T n-Dodecane (C12)	6.635	2650814	20.044 ug/ml
5) T A~2-methylnaphthalene...	7.259	2369385	20.452 ug/ml
6) T n-Tetradecane (C14)	8.461	2588219	20.106 ug/ml
7) T n-Hexadecane (C16)	10.067	2626184	20.283 ug/ml
8) T n-Octadecane (C18)	11.510	2667150	20.200 ug/ml
10) T n-Eicosane (C20)	12.819	2520972	20.058 ug/ml
11) T n-Heneicosane (C21)	13.432	2462534	20.077 ug/ml
13) T n-Docosane (C22)	14.018	2410763	20.117 ug/ml
14) T n-Tetracosane (C24)	15.122	2342131	20.040 ug/ml
15) T n-Hexacosane (C26)	16.143	2265665	20.046 ug/ml
16) T n-Octacosane (C28)	17.093	2191102	19.877 ug/ml
17) T n-Tricontane (C30)	17.981	2190652	19.626 ug/ml
18) T n-Dotriacontane (C32)	18.815	2100514	19.137 ug/ml
19) T n-Tetratriacontane (C34)	19.599	1934404	18.845 ug/ml
20) T n-Hexatriacontane (C36)	20.339	1650563	18.488 ug/ml
21) T n-Octatriacontane (C38)	21.061	1263103	18.342 ug/ml
22) T n-Tetracontane (C40)	21.938	756994	16.920 ug/ml

(f)=RT Delta > 1/2 Window

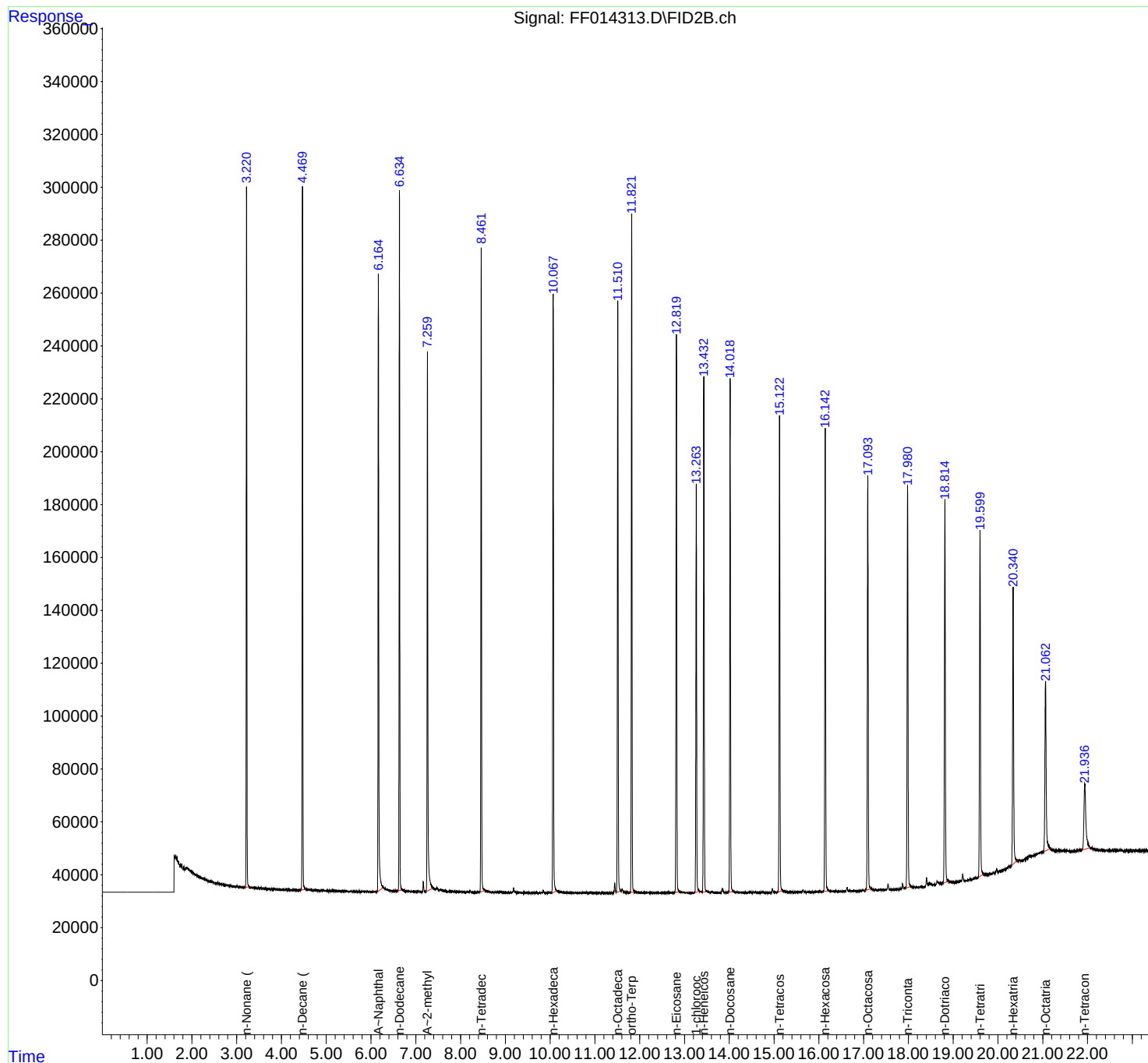
(m)=manual int.

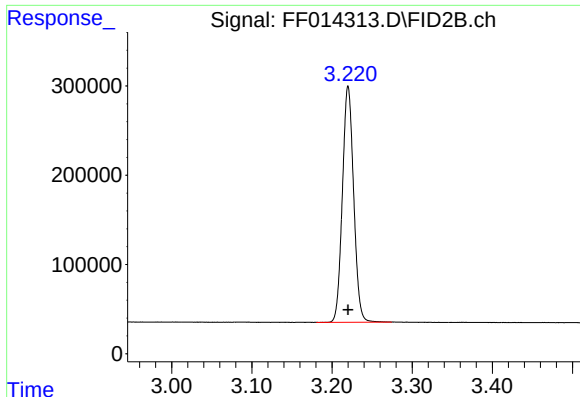
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF072924AL\
Data File : FF014313.D
Signal(s) : FID2B.ch
Acq On : 29 Jul 2024 20:23
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD ICV
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV

Integration File: autoint1.e
Quant Time: Jul 30 06:06:50 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 072924.M
Quant Title : GC Extractables
QLast Update : Tue Jul 30 05:51:52 2024
Response via : Initial Calibration
Integrator: ChemStation

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

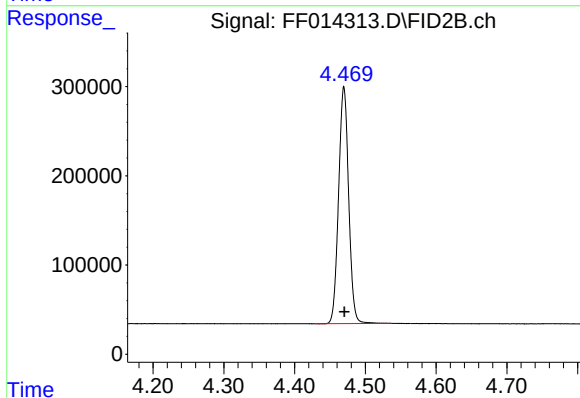




#1 n-Nonane (C9)

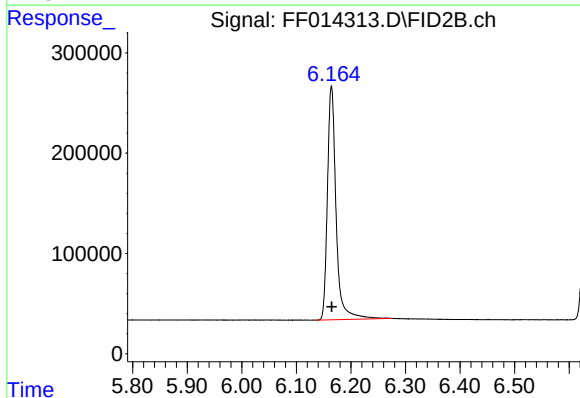
R.T.: 3.220 min
Delta R.T.: 0.000 min
Response: 2577301
Conc: 19.94 ug/ml

Instrument :
FID_F
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



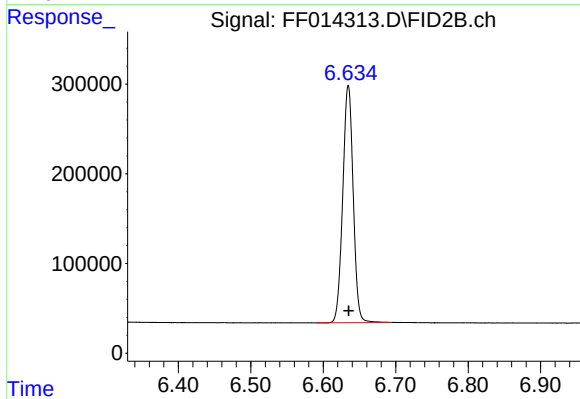
#2 n-Decane (C10)

R.T.: 4.470 min
Delta R.T.: 0.000 min
Response: 2626360
Conc: 20.04 ug/ml



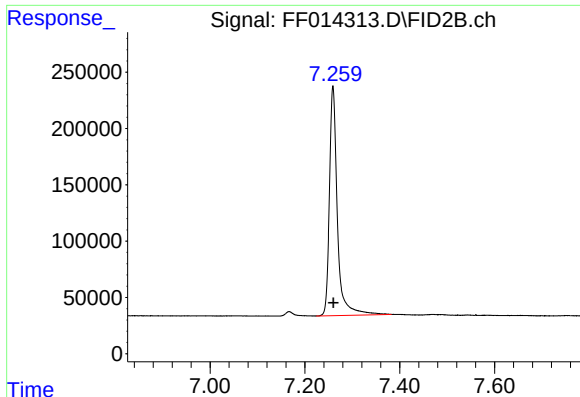
#3 A~Naphthalene (C11.7)

R.T.: 6.164 min
Delta R.T.: 0.000 min
Response: 2577539
Conc: 20.24 ug/ml



#4 n-Dodecane (C12)

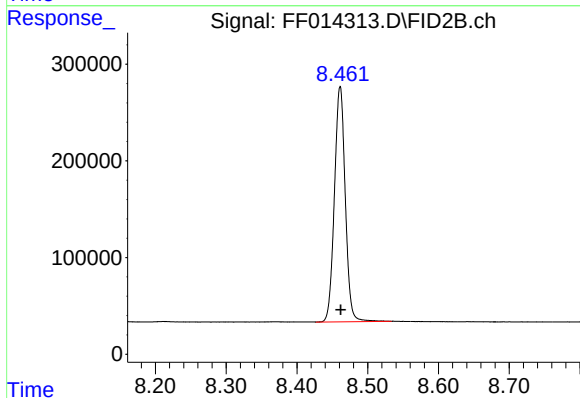
R.T.: 6.635 min
Delta R.T.: 0.000 min
Response: 2650814
Conc: 20.04 ug/ml



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

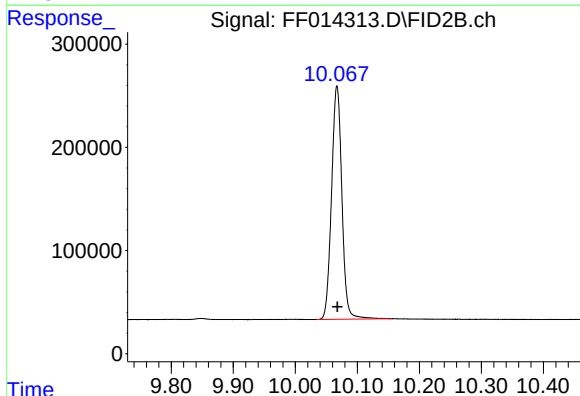
R.T.: 7.259 min
Delta R.T.: 0.000 min
Response: 2369385
Conc: 20.45 ug/ml

Instrument :
FID_F
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



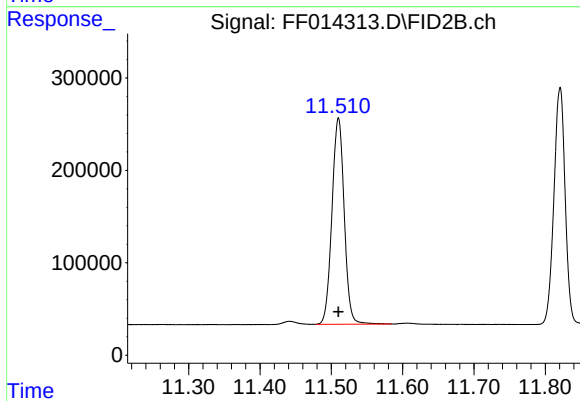
#6 n-Tetradecane (C14)

R.T.: 8.461 min
Delta R.T.: 0.000 min
Response: 2588219
Conc: 20.11 ug/ml



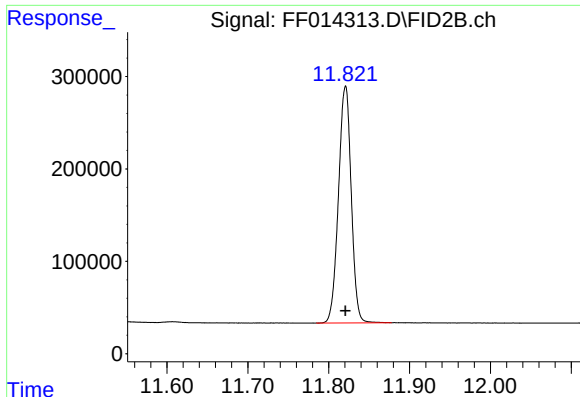
#7 n-Hexadecane (C16)

R.T.: 10.067 min
Delta R.T.: 0.000 min
Response: 2626184
Conc: 20.28 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.510 min
Delta R.T.: 0.000 min
Response: 2667150
Conc: 20.20 ug/ml



#9 ortho-Terphenyl (SURR)

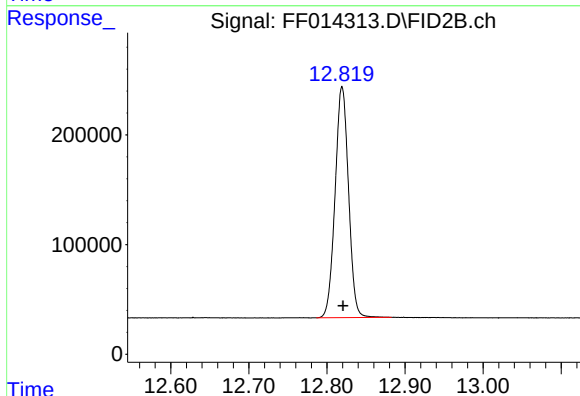
R.T.: 11.821 min
Delta R.T.: 0.000 min
Response: 2810014
Conc: 19.95 ug/ml

Instrument :

FID_F

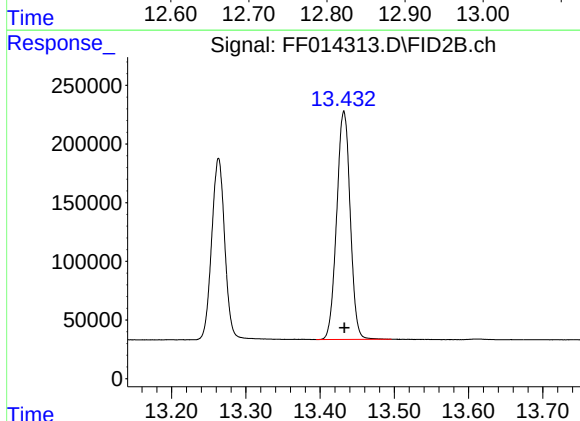
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



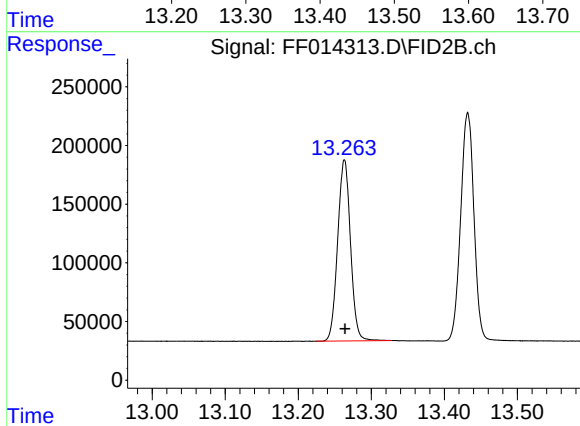
#10 n-Eicosane (C20)

R.T.: 12.819 min
Delta R.T.: -0.001 min
Response: 2520972
Conc: 20.06 ug/ml



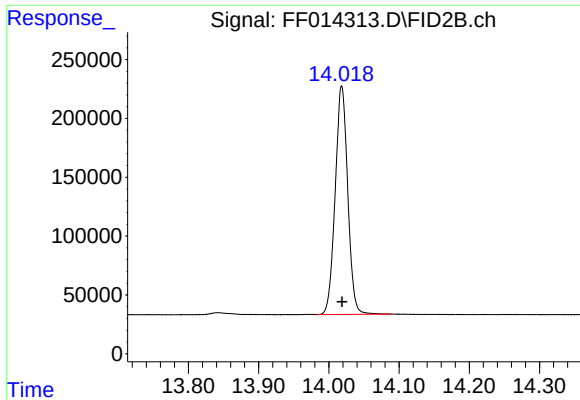
#11 n-Heneicosane (C21)

R.T.: 13.432 min
Delta R.T.: 0.000 min
Response: 2462534
Conc: 20.08 ug/ml



#12 1-chlorooctadecane (SURR)

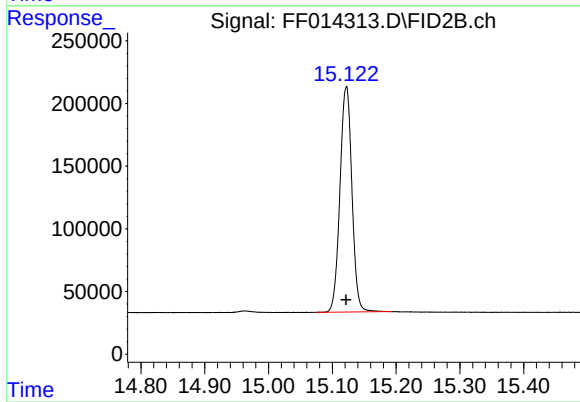
R.T.: 13.263 min
Delta R.T.: 0.000 min
Response: 1888026
Conc: 20.19 ug/ml



#13 n-Docosane (C22)

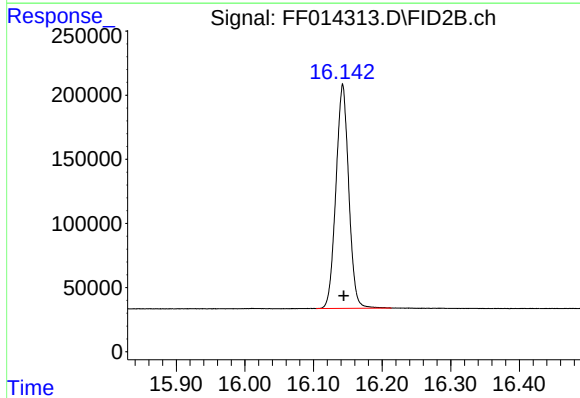
R.T.: 14.018 min
Delta R.T.: 0.000 min
Response: 2410763
Conc: 20.12 ug/ml

Instrument :
FID_F
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



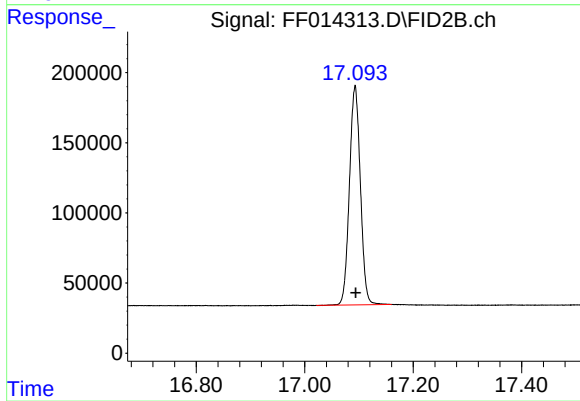
#14 n-Tetracosane (C24)

R.T.: 15.122 min
Delta R.T.: 0.000 min
Response: 2342131
Conc: 20.04 ug/ml



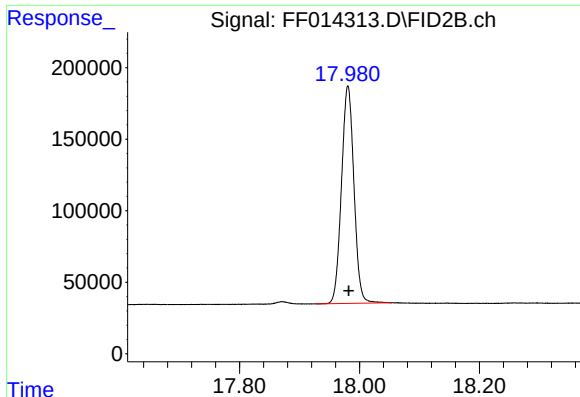
#15 n-Hexacosane (C26)

R.T.: 16.143 min
Delta R.T.: -0.001 min
Response: 2265665
Conc: 20.05 ug/ml



#16 n-Octacosane (C28)

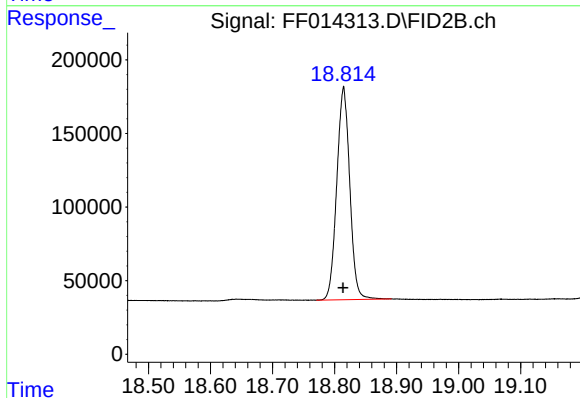
R.T.: 17.093 min
Delta R.T.: 0.000 min
Response: 2191102
Conc: 19.88 ug/ml



#17 n-Tricontane (C30)

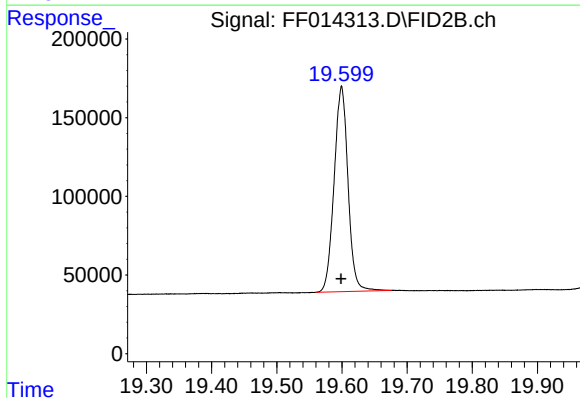
R.T.: 17.981 min
Delta R.T.: -0.001 min
Response: 2190652
Conc: 19.63 ug/ml

Instrument :
FID_F
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



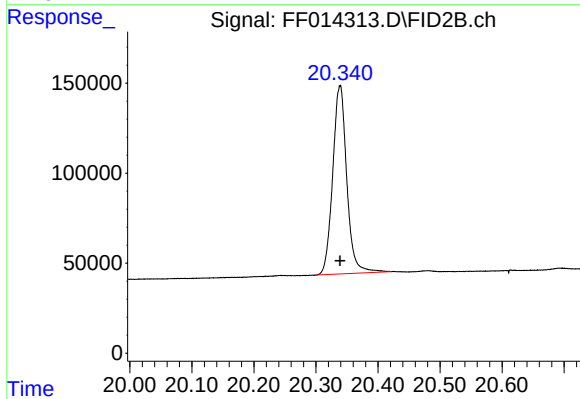
#18 n-Dotriacontane (C32)

R.T.: 18.815 min
Delta R.T.: 0.000 min
Response: 2100514
Conc: 19.14 ug/ml



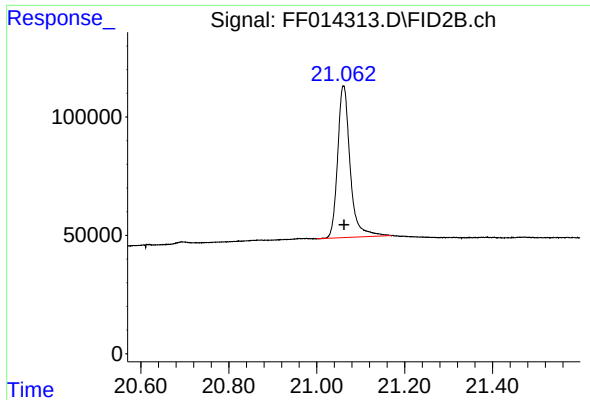
#19 n-Tetratriacontane (C34)

R.T.: 19.599 min
Delta R.T.: 0.000 min
Response: 1934404
Conc: 18.85 ug/ml



#20 n-Hexatriacontane (C36)

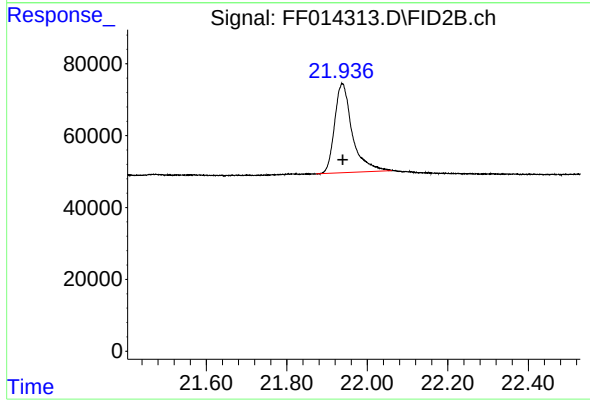
R.T.: 20.339 min
Delta R.T.: 0.000 min
Response: 1650563
Conc: 18.49 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.061 min
Delta R.T.: -0.001 min
Response: 1263103
Conc: 18.34 ug/ml

Instrument :
FID_F
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



#22 n-Tetracontane (C40)

R.T.: 21.938 min
Delta R.T.: -0.002 min
Response: 756994
Conc: 16.92 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF072924AL\
Data File : FF014313.D
Signal(s) : FID2B.ch
Acq On : 29 Jul 2024 20:23
Sample : 20 PPM ALIPHATIC HC STD ICV
Misc :
ALS Vial : 13 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 072924.M
Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.220	3.180	3.275	BB	264725	2577301	91.72%	5.210%
2	4.470	4.430	4.537	BB	265764	2626360	93.46%	5.309%
3	6.164	6.136	6.275	BB	233222	2577539	91.73%	5.210%
4	6.635	6.590	6.695	BB	264604	2650814	94.33%	5.358%
5	7.259	7.224	7.383	BB	203890	2369385	84.32%	4.790%
6	8.461	8.427	8.534	BB	243433	2588219	92.11%	5.232%
7	10.067	10.034	10.155	BB	226459	2626184	93.46%	5.309%
8	11.510	11.479	11.585	BB	223466	2667150	94.92%	5.391%
9	11.821	11.785	11.878	BB	256856	2810014	100.00%	5.680%
10	12.819	12.786	12.883	BB	210788	2520972	89.71%	5.096%
11	13.263	13.225	13.328	BB	154458	1888026	67.19%	3.816%
12	13.432	13.395	13.496	BB	194828	2462534	87.63%	4.978%
13	14.018	13.982	14.090	BB	194372	2410763	85.79%	4.873%
14	15.122	15.075	15.193	BB	179881	2342131	83.35%	4.734%
15	16.143	16.104	16.214	BB	174693	2265665	80.63%	4.580%
16	17.093	17.021	17.160	BB	156478	2191102	77.97%	4.429%
17	17.981	17.928	18.054	BB	152102	2190652	77.96%	4.428%
18	18.815	18.770	18.892	BB	144739	2100514	74.75%	4.246%
19	19.599	19.560	19.676	BB	130732	1934404	68.84%	3.910%
20	20.339	20.300	20.422	BB	104460	1650563	58.74%	3.336%
21	21.061	20.999	21.170	BB	63963	1263103	44.95%	2.553%
22	21.938	21.873	22.060	BB	24749	756994	26.94%	1.530%
Sum of corrected areas:						49470385		

Aliphatic EPH 072924.M Tue Jul 30 06:14:54 2024