

Initial Calibration Report for SequenceID : FD012425AL

AreaCount

Parameter Range	FD048955.D	FD048956.D	FD048957.D	FD048958.D	FD048959.D	
Aliphatic C9-C12	46227531.000	23525399.000	9977692.000	5260939.000	2426157.000	
Aliphatic C12-C16	31896740.000	16327788.000	6936963.000	3618725.000	1672392.000	
Aliphatic C16-C21	48373085.000	24810443.000	10660639.000	5570816.000	2617445.000	
Aliphatic C21-C28	62091618.000	32115771.000	13763846.000	7236435.000	3481181.000	
Aliphatic C28-C40	70146324.000	36812511.000	15863603.000	8428495.000	4353744.000	
Aliphatic EPH	258735298.000	133591912.000	57202743.000	30115410.000	14550919.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aliphatic C9-C12	162866.2126664	5.161				
Aliphatic C12-C16	168872.221	5.028				
Aliphatic C16-C21	172902.8173328	5.646				
Aliphatic C21-C28	168565.18	6.196				
Aliphatic C28-C40	131483.0636664	8.973				
Aliphatic EPH	156011.7018884	6.214				

Concentration

Parameter Range	FD048955.D	FD048956.D	FD048957.D	FD048958.D	FD048959.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	FD048955.D	FD048956.D	FD048957.D	FD048958.D	FD048959.D	
Aliphatic C9-C12	154091.770000	156835.993333	166294.866666	175364.633333	161743.800000	
Aliphatic C12-C16	159483.700000	163277.880000	173424.075000	180936.250000	167239.200000	
Aliphatic C16-C21	161243.616666	165402.953333	177677.316666	185693.866666	174496.333333	

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Aliphatic C21-C28	155229.045000	160578.855000	172048.075000	180910.875000	174059.050000	
Aliphatic C28-C40	116910.540000	122708.370000	132196.691666	140474.916666	145124.800000	
Aliphatic EPH	143741.832222	148435.457777	158896.508333	167307.833333	161676.877777	

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD012425AL\
 Data File : FD048955.D
 Signal(s) : FID2B.ch
 Acq On : 24 Jan 2025 14:50
 Operator : YP/AJ
 Sample : 100 PPM ALIPHATIC HC STD1
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 100 PPM ALIPHATIC HC STD1

Integration File: autoint1.e
 Quant Time: Jan 25 05:52:50 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 012425.M
 Quant Title : GC Extractables
 QLast Update : Sat Jan 25 05:52:04 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)	11.251	18175252	91.317 ug/ml
Spiked Amount 50.000		Recovery =	182.63%
12) S 1-chlorooctadecane (S...	12.691	13867975	91.691 ug/ml
Spiked Amount 50.000		Recovery =	183.38%
Target Compounds			
1) T n-Nonane (C9)	3.110	15141146	92.795 ug/ml
2) T n-Decane (C10)	4.156	15437863	92.697 ug/ml
3) T A~Naphthalene (C11.7)	5.702	16999028	95.862 ug/ml
4) T n-Dodecane (C12)	6.150	15648522	92.499 ug/ml
5) T A~2-methylnaphthalene...	6.750	16554106	97.581 ug/ml
6) T n-Tetradecane (C14)	7.931	15643396	92.321 ug/ml
7) T n-Hexadecane (C16)	9.520	16253344	91.619 ug/ml
8) T n-Octadecane (C18)	10.954	16521396	91.038 ug/ml
10) T n-Eicosane (C20)	12.254	16016927	90.555 ug/ml
11) T n-Heneicosane (C21)	12.862	15834762	90.650 ug/ml
13) T n-Docosane (C22)	13.445	15791189	90.677 ug/ml
14) T n-Tetracosane (C24)	14.543	15771052	90.618 ug/ml
15) T n-Hexacosane (C26)	15.557	15486022	90.500 ug/ml
16) T n-Octacosane (C28)	16.502	15043355	89.072 ug/ml
17) T n-Tricontane (C30)	17.385	14970847	86.998 ug/ml
18) T n-Dotriacontane (C32)	18.211	14063812	85.801 ug/ml
19) T n-Tetratriacontane (C34)	18.990	12138917	87.211 ug/ml
20) T n-Hexatriacontane (C36)	19.724	10332554	89.100 ug/ml
21) T n-Octatriacontane (C38)	20.420	9564742	91.159 ug/ml
22) T n-Tetracontane (C40)	21.196	9075452	93.460 ug/ml

(f)=RT Delta > 1/2 Window

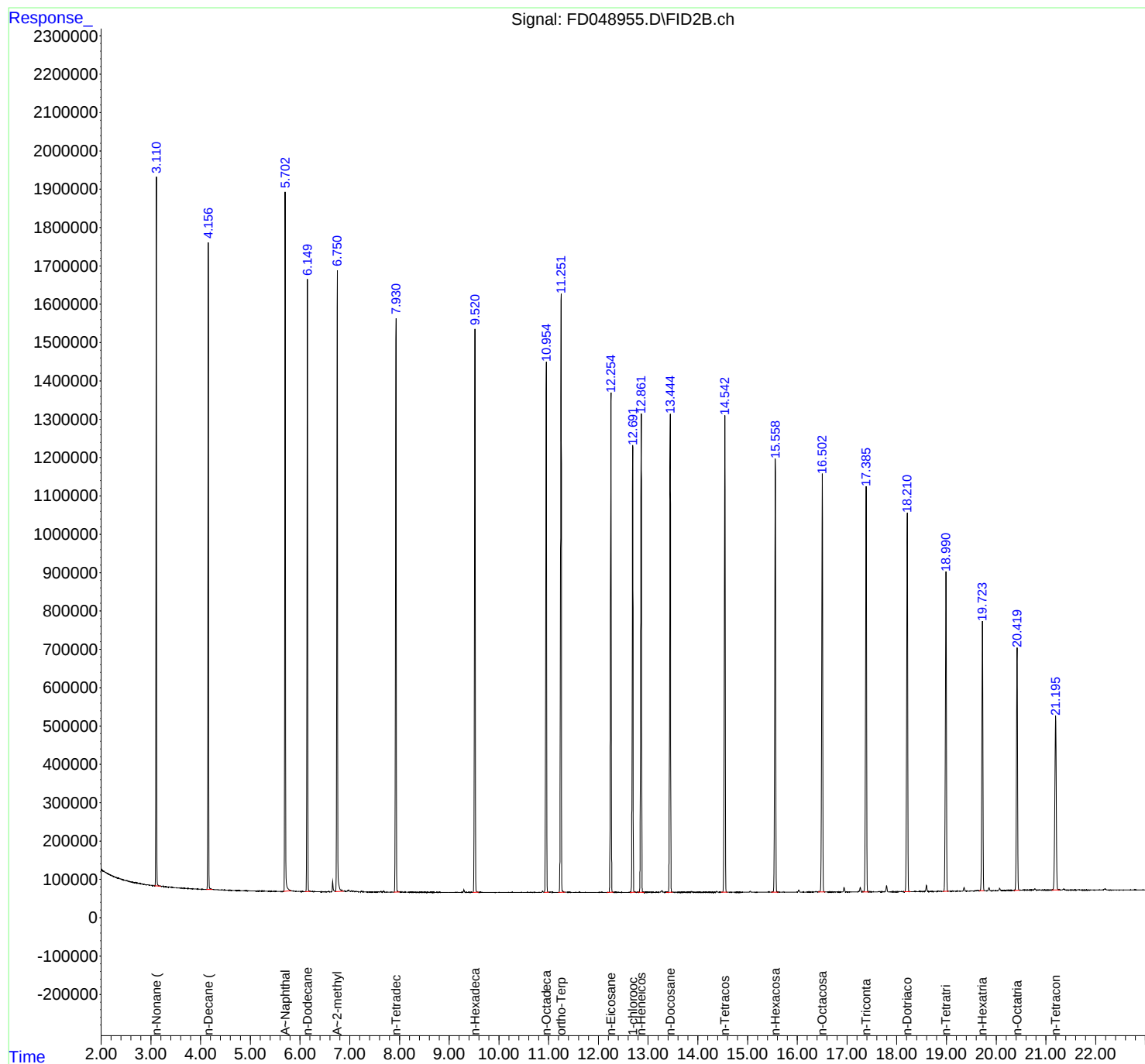
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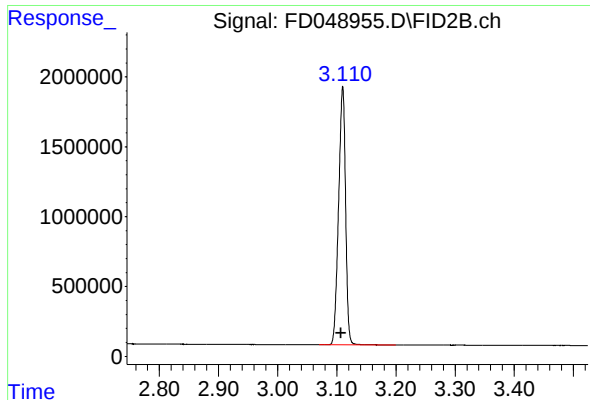
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD012425AL\
Data File : FD048955.D
Signal(s) : FID2B.ch
Acq On : 24 Jan 2025 14:50
Operator : YP/AJ
Sample : 100 PPM ALIPHATIC HC STD1
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
100 PPM ALIPHATIC HC STD1

Integration File: autoint1.e
Quant Time: Jan 25 05:52:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 012425.M
Quant Title : GC Extractables
QLast Update : Sat Jan 25 05:52:04 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)

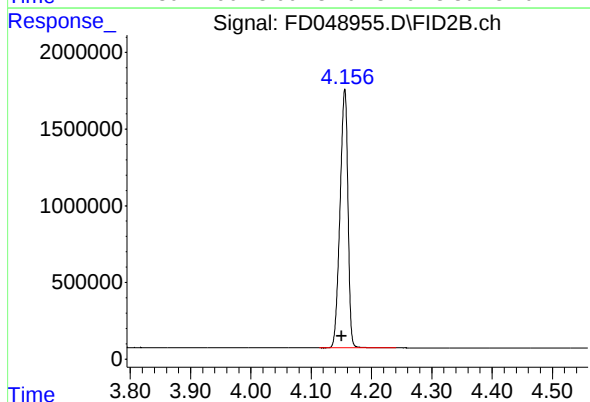
R.T.: 3.110 min
Delta R.T.: 0.003 min
Response: 15141146
Conc: 92.80 ug/ml

Instrument :

FID_D

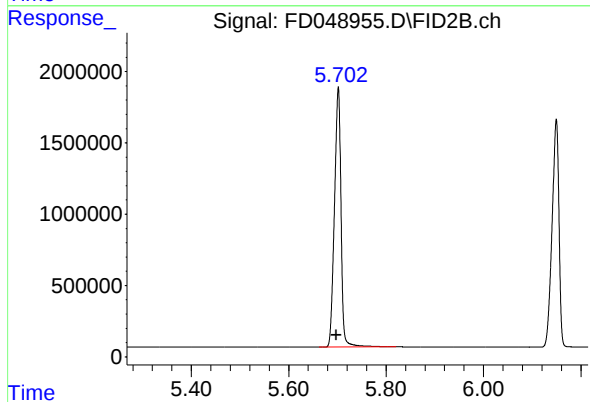
ClientSampleId :

100 PPM ALIPHATIC HC STD1



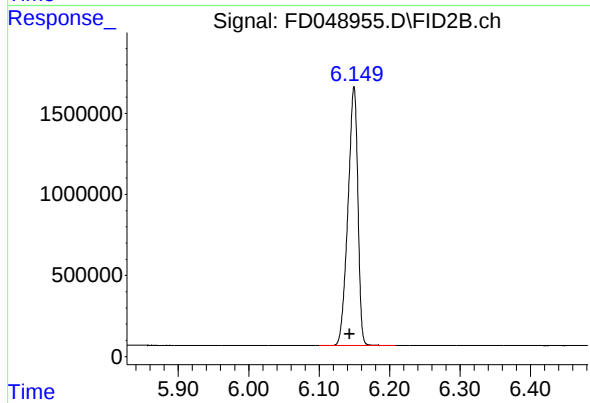
#2 n-Decane (C10)

R.T.: 4.156 min
Delta R.T.: 0.005 min
Response: 15437863
Conc: 92.70 ug/ml



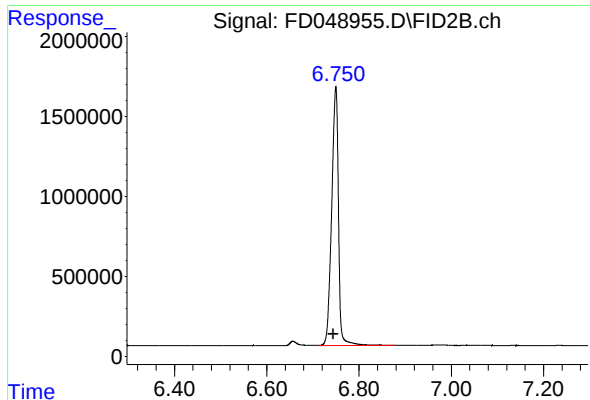
#3 A~Naphthalene (C11.7)

R.T.: 5.702 min
Delta R.T.: 0.004 min
Response: 16999028
Conc: 95.86 ug/ml



#4 n-Dodecane (C12)

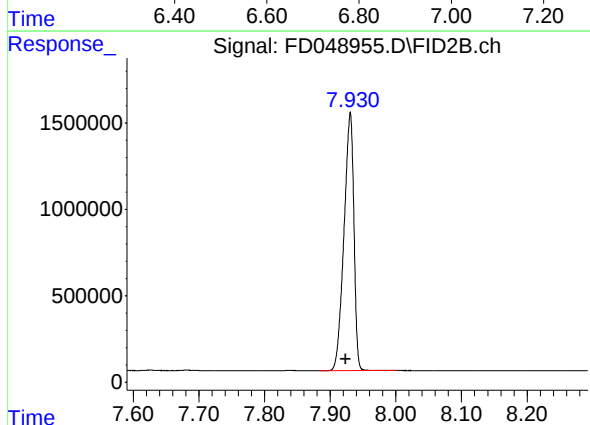
R.T.: 6.150 min
Delta R.T.: 0.006 min
Response: 15648522
Conc: 92.50 ug/ml



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

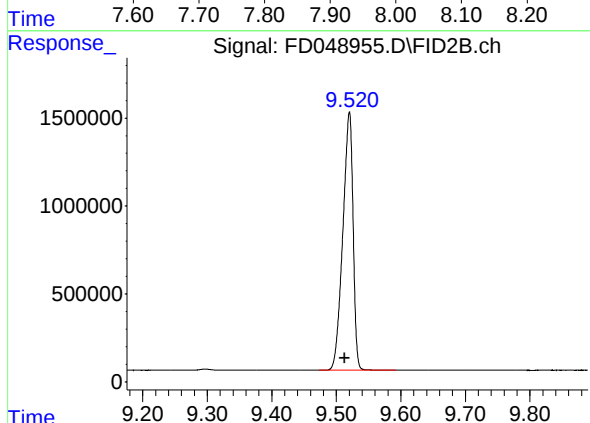
R.T.: 6.750 min
Delta R.T.: 0.006 min
Response: 16554106
Conc: 97.58 ug/ml

Instrument :
FID_D
ClientSampleId :
100 PPM ALIPHATIC HC STD1



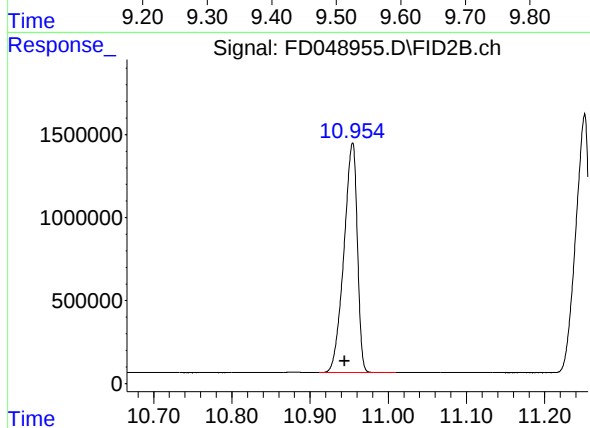
#6 n-Tetradecane (C14)

R.T.: 7.931 min
Delta R.T.: 0.007 min
Response: 15643396
Conc: 92.32 ug/ml



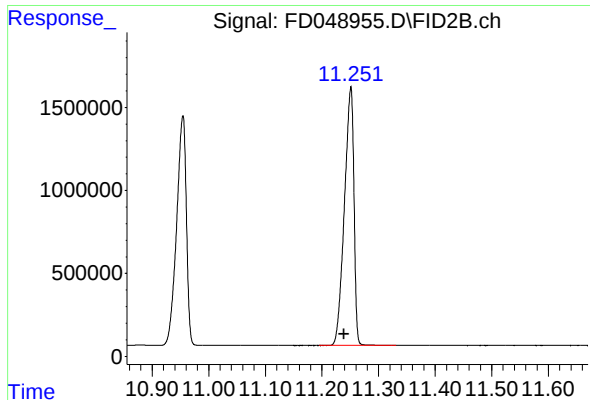
#7 n-Hexadecane (C16)

R.T.: 9.520 min
Delta R.T.: 0.007 min
Response: 16253344
Conc: 91.62 ug/ml



#8 n-Octadecane (C18)

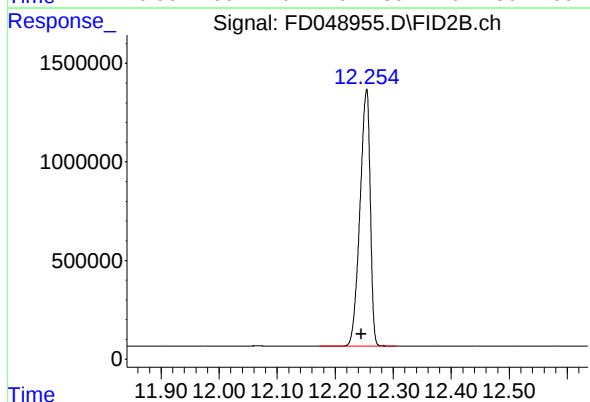
R.T.: 10.954 min
Delta R.T.: 0.010 min
Response: 16521396
Conc: 91.04 ug/ml



#9 ortho-Terphenyl (SURR)

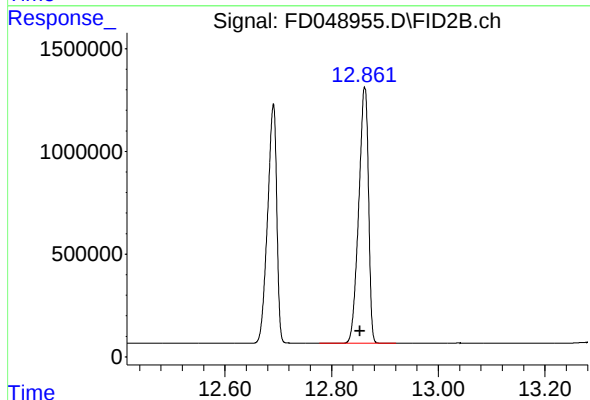
R.T.: 11.251 min
Delta R.T.: 0.012 min
Response: 18175252
Conc: 91.32 ug/ml

Instrument :
FID_D
ClientSampleId :
100 PPM ALIPHATIC HC STD1



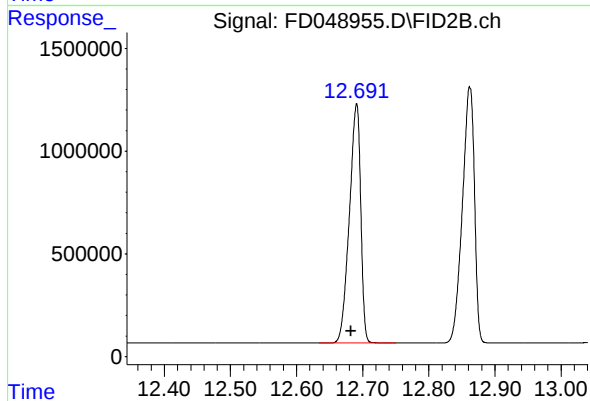
#10 n-Eicosane (C20)

R.T.: 12.254 min
Delta R.T.: 0.009 min
Response: 16016927
Conc: 90.56 ug/ml



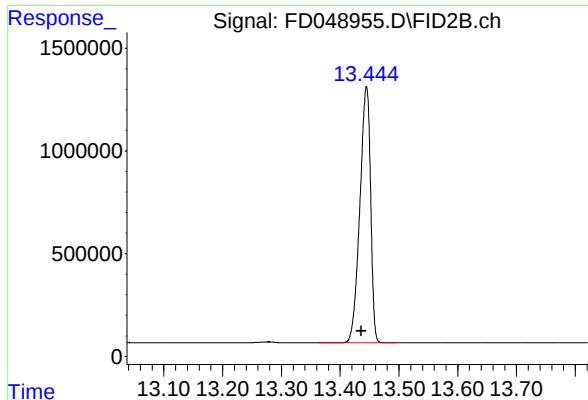
#11 n-Heneicosane (C21)

R.T.: 12.862 min
Delta R.T.: 0.009 min
Response: 15834762
Conc: 90.65 ug/ml



#12 1-chlorooctadecane (SURR)

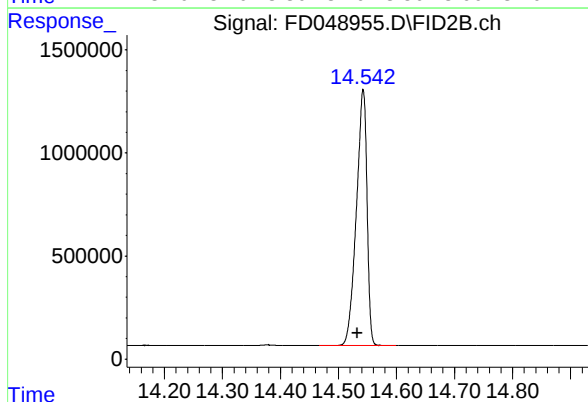
R.T.: 12.691 min
Delta R.T.: 0.008 min
Response: 13867975
Conc: 91.69 ug/ml



#13 n-Docosane (C22)

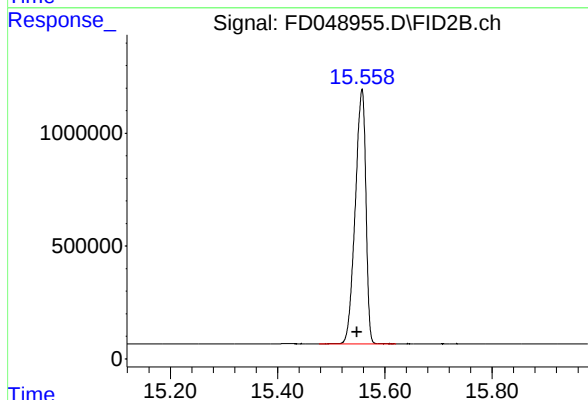
R.T.: 13.445 min
Delta R.T.: 0.009 min
Response: 15791189
Conc: 90.68 ug/ml

Instrument :
FID_D
ClientSampleId :
100 PPM ALIPHATIC HC STD1



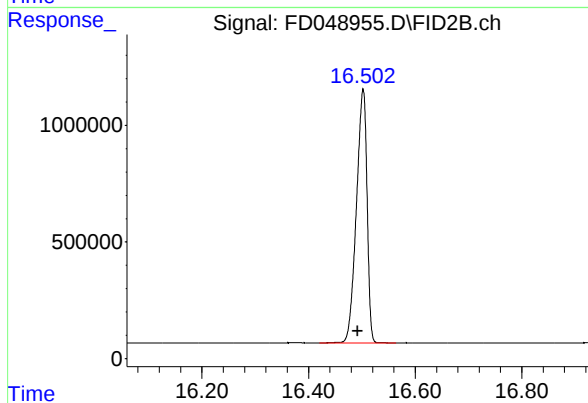
#14 n-Tetracosane (C24)

R.T.: 14.543 min
Delta R.T.: 0.010 min
Response: 15771052
Conc: 90.62 ug/ml



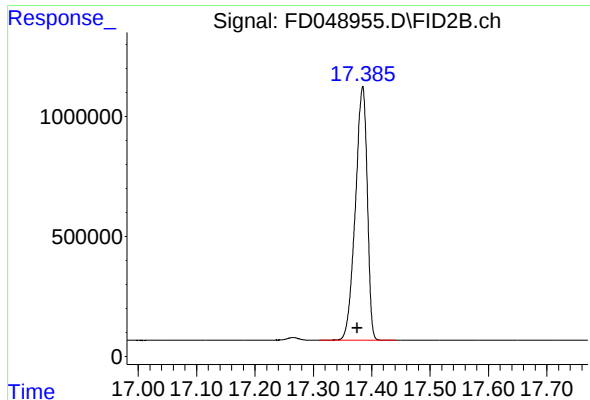
#15 n-Hexacosane (C26)

R.T.: 15.557 min
Delta R.T.: 0.010 min
Response: 15486022
Conc: 90.50 ug/ml



#16 n-Octacosane (C28)

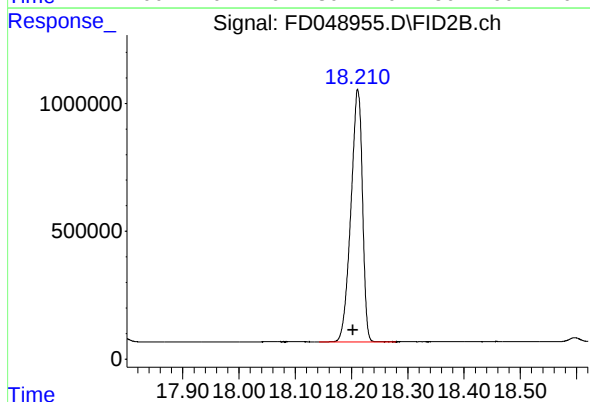
R.T.: 16.502 min
Delta R.T.: 0.010 min
Response: 15043355
Conc: 89.07 ug/ml



#17 n-Tricontane (C30)

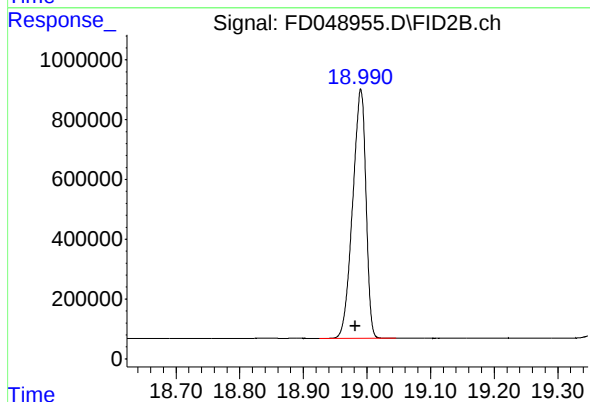
R.T.: 17.385 min
Delta R.T.: 0.010 min
Response: 14970847
Conc: 87.00 ug/ml

Instrument :
FID_D
ClientSampleId :
100 PPM ALIPHATIC HC STD1



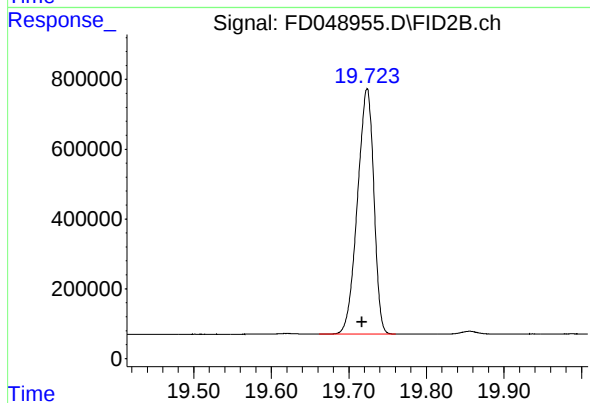
#18 n-Dotriacontane (C32)

R.T.: 18.211 min
Delta R.T.: 0.008 min
Response: 14063812
Conc: 85.80 ug/ml



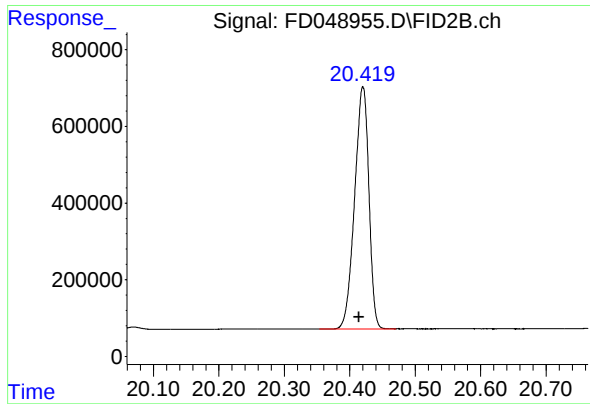
#19 n-Tetratriacontane (C34)

R.T.: 18.990 min
Delta R.T.: 0.009 min
Response: 12138917
Conc: 87.21 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.724 min
Delta R.T.: 0.007 min
Response: 10332554
Conc: 89.10 ug/ml



#21 n-Octatriacontane (C38)

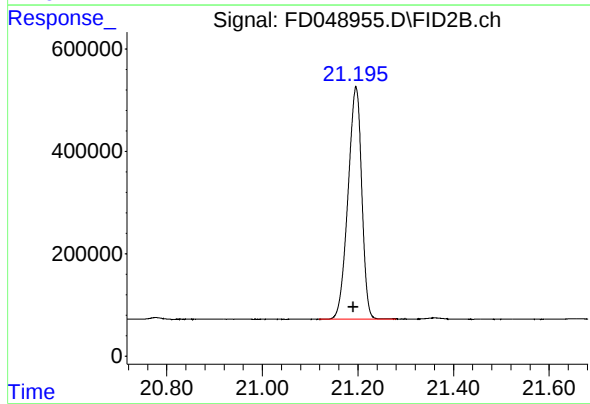
R.T.: 20.420 min
Delta R.T.: 0.006 min
Response: 9564742
Conc: 91.16 ug/ml

Instrument :

FID_D

ClientSampleId :

100 PPM ALIPHATIC HC STD1



#22 n-Tetracontane (C40)

R.T.: 21.196 min
Delta R.T.: 0.005 min
Response: 9075452
Conc: 93.46 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD012425AL\
 Data File : FD048955.D
 Signal(s) : FID2B.ch
 Acq On : 24 Jan 2025 14:50
 Sample : 100 PPM ALIPHATIC HC STD1
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 012425.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	3.110	3.070	3.200	BB	1848178	15141146	83.31%	4.668%
2	4.156	4.113	4.241	BB	1686725	15437863	84.94%	4.760%
3	5.702	5.662	5.820	BBA	1826275	16999028	93.53%	5.241%
4	6.150	6.100	6.209	BB	1598557	15648522	86.10%	4.825%
5	6.750	6.713	6.880	VB	1620474	16554106	91.08%	5.104%
6	7.931	7.883	8.000	BBA	1495644	15643396	86.07%	4.823%
7	9.520	9.473	9.592	BB	1470878	16253344	89.43%	5.011%
8	10.954	10.911	11.010	PB	1382881	16521396	90.90%	5.094%
9	11.251	11.195	11.331	BB	1553576	18175252	100.00%	5.604%
10	12.254	12.172	12.305	BB	1300724	16016927	88.12%	4.938%
11	12.691	12.634	12.750	BBA	1165390	13867975	76.30%	4.276%
12	12.862	12.776	12.921	BB	1242392	15834762	87.12%	4.882%
13	13.445	13.364	13.495	BB	1247384	15791189	86.88%	4.869%
14	14.543	14.466	14.599	BB	1242880	15771052	86.77%	4.863%
15	15.557	15.477	15.621	BB	1128779	15486022	85.20%	4.775%
16	16.502	16.420	16.564	BB	1089039	15043355	82.77%	4.638%
17	17.385	17.310	17.441	BB	1057966	14970847	82.37%	4.616%
18	18.211	18.142	18.279	BB	986128	14063812	77.38%	4.336%
19	18.990	18.925	19.046	BB	833045	12138917	66.79%	3.743%
20	19.724	19.661	19.761	BB	703557	10332554	56.85%	3.186%
21	20.420	20.353	20.471	BB	632325	9564742	52.63%	2.949%
22	21.196	21.119	21.279	BBA	455035	9075452	49.93%	2.798%
Sum of corrected areas:						324331661		

Aliphatic EPH 012425.M Sat Jan 25 06:07:14 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD012425AL\
 Data File : FD048956.D
 Signal(s) : FID2B.ch
 Acq On : 24 Jan 2025 15:26
 Operator : YP/AJ
 Sample : 50 PPM ALIPHATIC HC STD2
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 50 PPM ALIPHATIC HC STD2

Integration File: autoint1.e
 Quant Time: Jan 25 05:53:57 2025
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Spiked Amount 50.000		Recovery =	93.47%
12) S 1-chlorooctadecane (S...	12.685	7082127	46.825 ug/ml
Spiked Amount 50.000		Recovery =	93.65%
Target Compounds			
1) T n-Nonane (C9)	3.108	7684506	47.096 ug/ml
2) T n-Decane (C10)	4.153	7861390	47.204 ug/ml
3) T A~Naphthalene (C11.7)	5.698	8564339	48.297 ug/ml
4) T n-Dodecane (C12)	6.145	7979503	47.167 ug/ml
5) T A~2-methylnaphthalene...	6.745	8355653	49.254 ug/ml
6) T n-Tetradecane (C14)	7.926	7995704	47.187 ug/ml
7) T n-Hexadecane (C16)	9.516	8332084	46.967 ug/ml
8) T n-Octadecane (C18)	10.948	8480813	46.732 ug/ml
10) T n-Eicosane (C20)	12.248	8218056	46.463 ug/ml
11) T n-Heneicosane (C21)	12.857	8111574	46.437 ug/ml
13) T n-Docosane (C22)	13.439	8134794	46.712 ug/ml
14) T n-Tetracosane (C24)	14.536	8135157	46.743 ug/ml
15) T n-Hexacosane (C26)	15.552	7991708	46.703 ug/ml
16) T n-Octacosane (C28)	16.496	7854112	46.505 ug/ml
17) T n-Tricontane (C30)	17.379	7909786	45.965 ug/ml
18) T n-Dotriacontane (C32)	18.206	7467321	45.557 ug/ml
19) T n-Tetratriacontane (C34)	18.986	6419464	46.120 ug/ml
20) T n-Hexatriacontane (C36)	19.720	5393314	46.508 ug/ml
21) T n-Octatriacontane (C38)	20.417	4947810	47.156 ug/ml
22) T n-Tetracontane (C40)	21.191	4674816	48.142 ug/ml

(f)=RT Delta > 1/2 Window

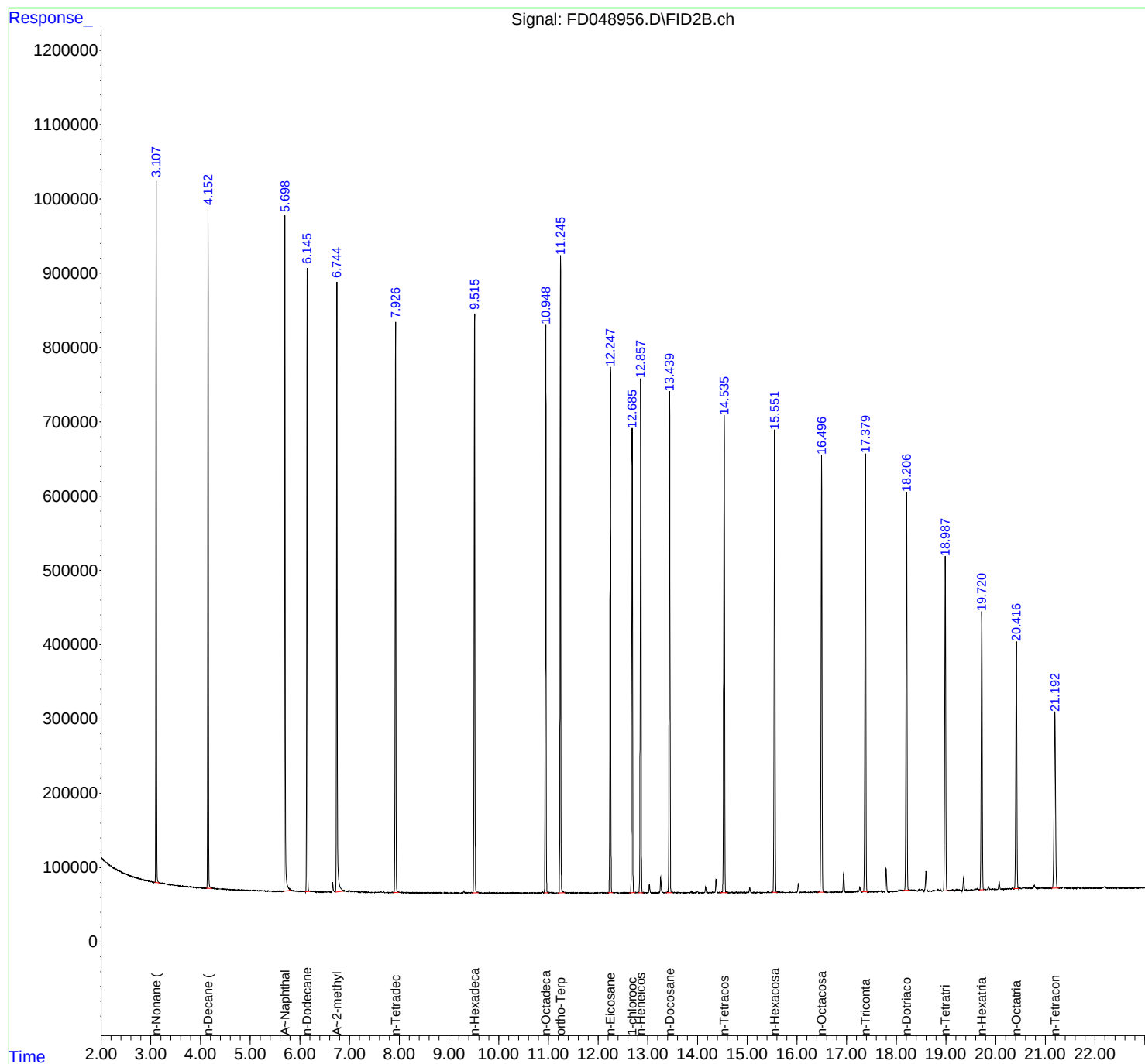
(m)=manual int.

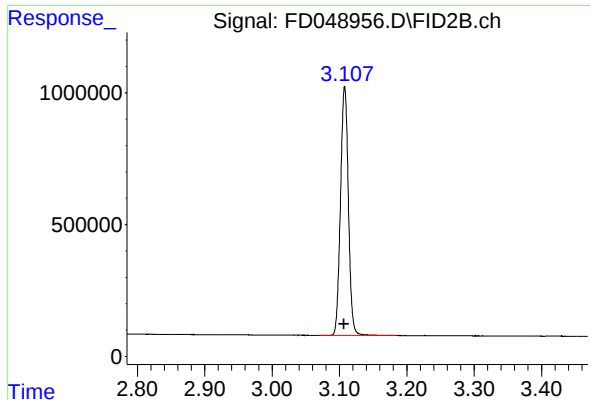
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD012425AL\
Data File : FD048956.D
Signal(s) : FID2B.ch
Acq On : 24 Jan 2025 15:26
Operator : YP/AJ
Sample : 50 PPM ALIPHATIC HC STD2
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
50 PPM ALIPHATIC HC STD2

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

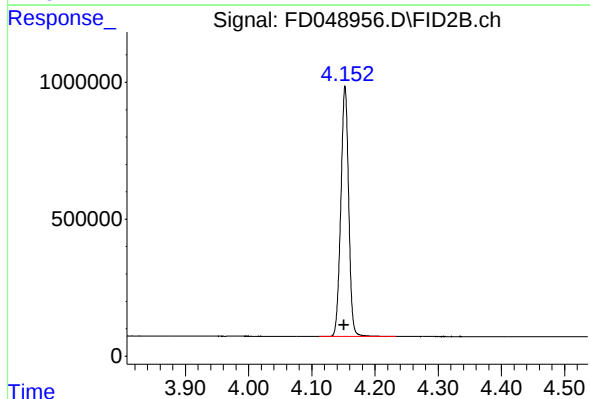




#1 n-Nonane (C9)

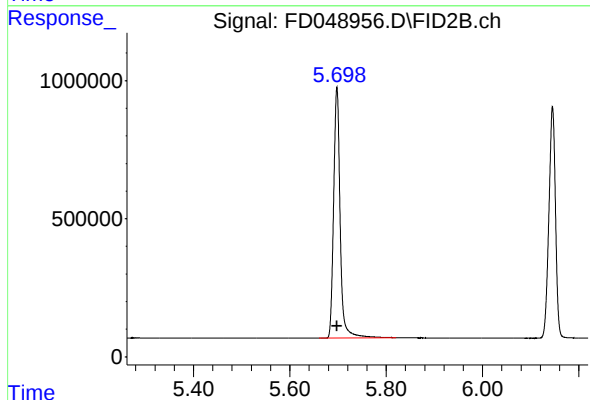
R.T.: 3.108 min
Delta R.T.: 0.000 min
Response: 7684506
Conc: 47.10 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM ALIPHATIC HC STD2



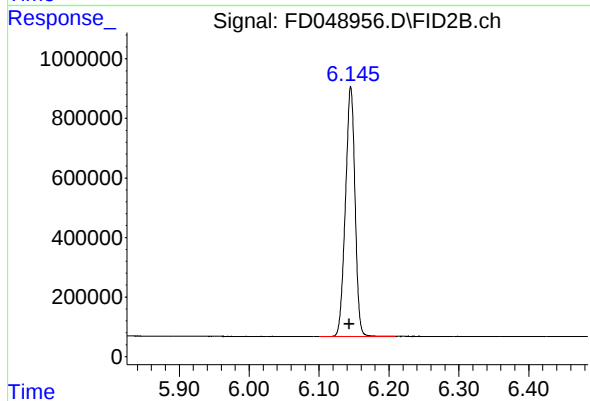
#2 n-Decane (C10)

R.T.: 4.153 min
Delta R.T.: 0.002 min
Response: 7861390
Conc: 47.20 ug/ml



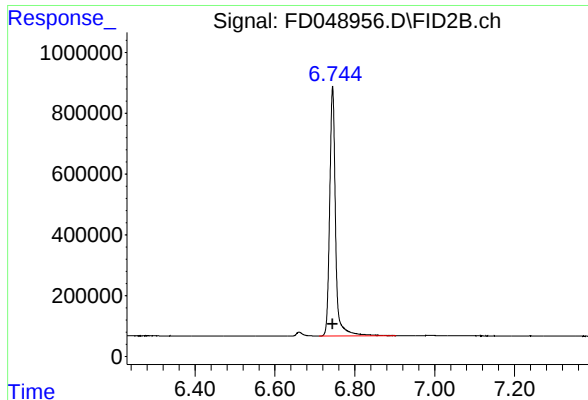
#3 A~Naphthalene (C11.7)

R.T.: 5.698 min
Delta R.T.: 0.000 min
Response: 8564339
Conc: 48.30 ug/ml



#4 n-Dodecane (C12)

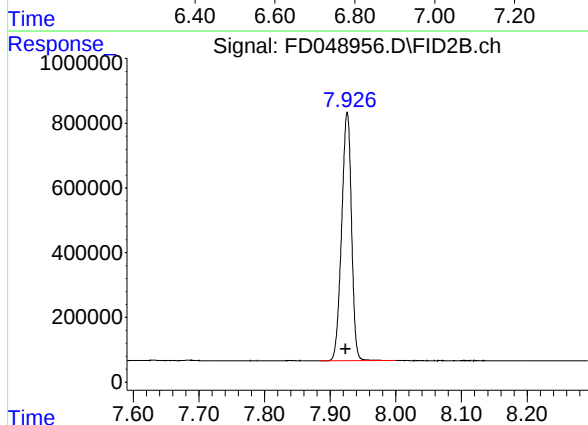
R.T.: 6.145 min
Delta R.T.: 0.002 min
Response: 7979503
Conc: 47.17 ug/ml



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

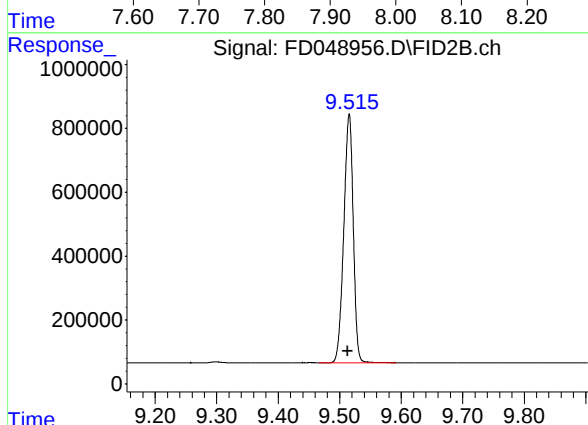
R.T.: 6.745 min
Delta R.T.: 0.000 min
Response: 8355653
Conc: 49.25 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM ALIPHATIC HC STD2



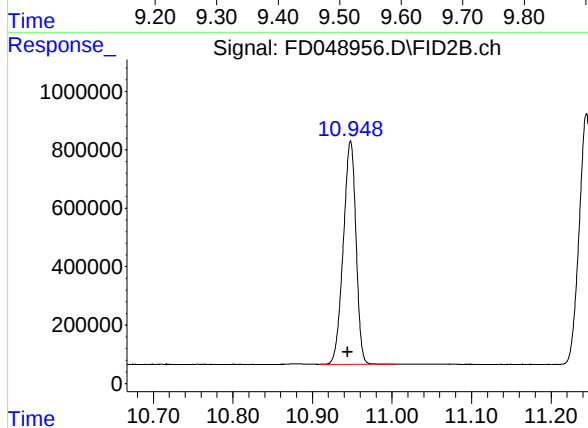
#6 n-Tetradecane (C14)

R.T.: 7.926 min
Delta R.T.: 0.003 min
Response: 7995704
Conc: 47.19 ug/ml



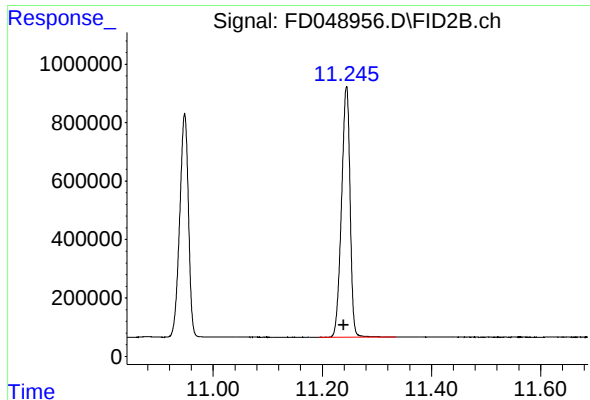
#7 n-Hexadecane (C16)

R.T.: 9.516 min
Delta R.T.: 0.003 min
Response: 8332084
Conc: 46.97 ug/ml



#8 n-Octadecane (C18)

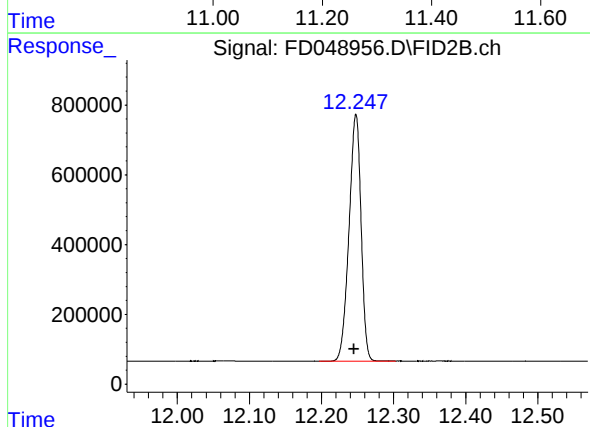
R.T.: 10.948 min
Delta R.T.: 0.004 min
Response: 8480813
Conc: 46.73 ug/ml



#9 ortho-Terphenyl (SURR)

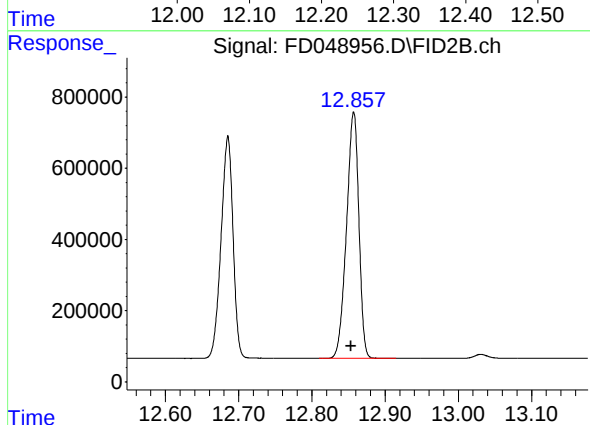
R.T.: 11.244 min
Delta R.T.: 0.005 min
Response: 9302035
Conc: 46.74 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM ALIPHATIC HC STD2



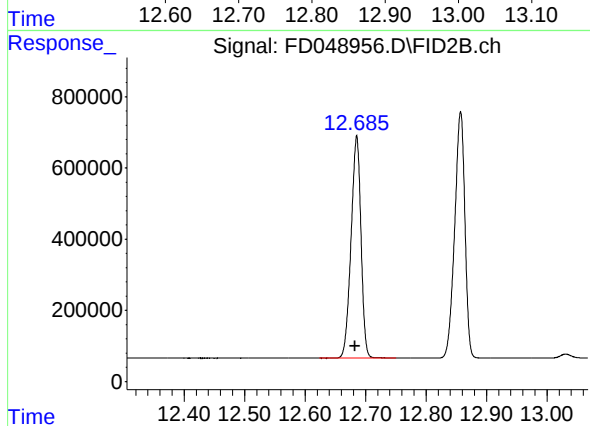
#10 n-Eicosane (C20)

R.T.: 12.248 min
Delta R.T.: 0.003 min
Response: 8218056
Conc: 46.46 ug/ml



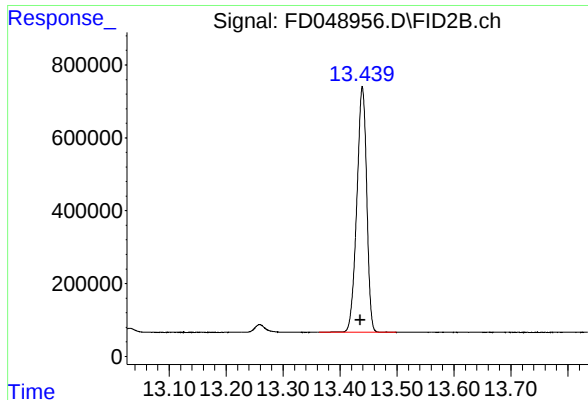
#11 n-Heneicosane (C21)

R.T.: 12.857 min
Delta R.T.: 0.004 min
Response: 8111574
Conc: 46.44 ug/ml



#12 1-chlorooctadecane (SURR)

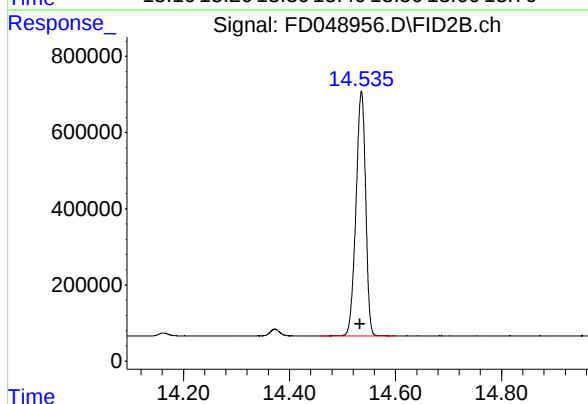
R.T.: 12.685 min
Delta R.T.: 0.003 min
Response: 7082127
Conc: 46.82 ug/ml



#13 n-Docosane (C22)

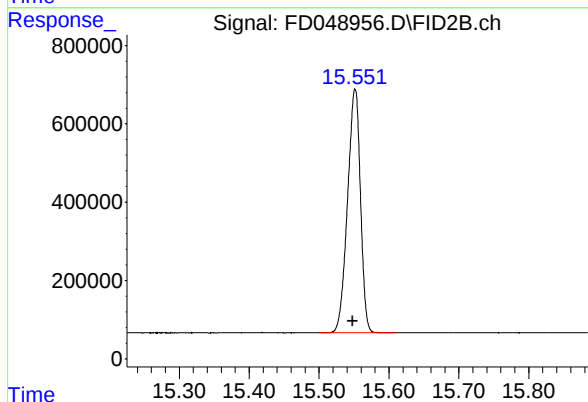
R.T.: 13.439 min
Delta R.T.: 0.003 min
Response: 8134794
Conc: 46.71 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM ALIPHATIC HC STD2



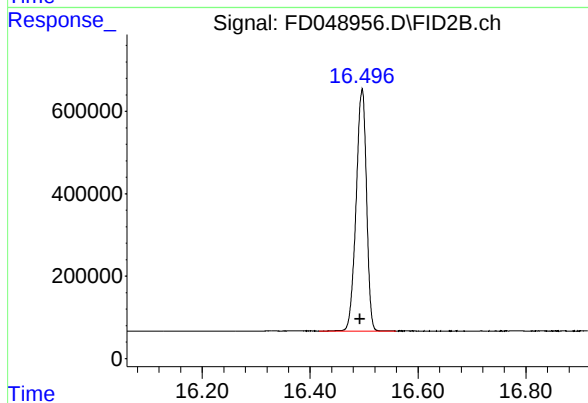
#14 n-Tetracosane (C24)

R.T.: 14.536 min
Delta R.T.: 0.003 min
Response: 8135157
Conc: 46.74 ug/ml



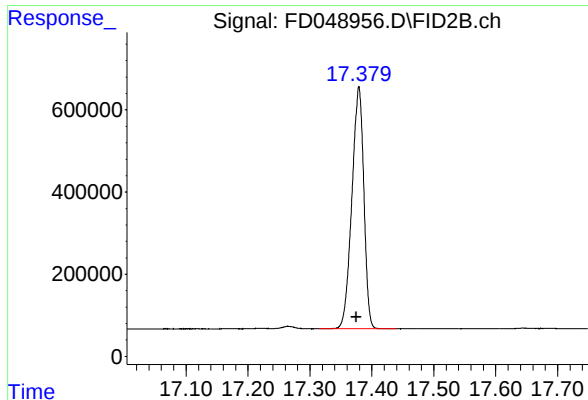
#15 n-Hexacosane (C26)

R.T.: 15.552 min
Delta R.T.: 0.004 min
Response: 7991708
Conc: 46.70 ug/ml



#16 n-Octacosane (C28)

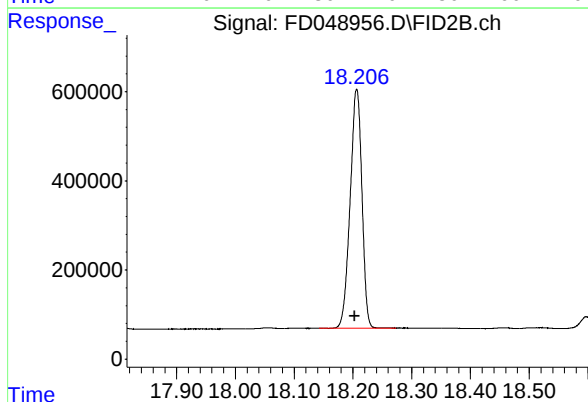
R.T.: 16.496 min
Delta R.T.: 0.004 min
Response: 7854112
Conc: 46.50 ug/ml



#17 n-Tricontane (C30)

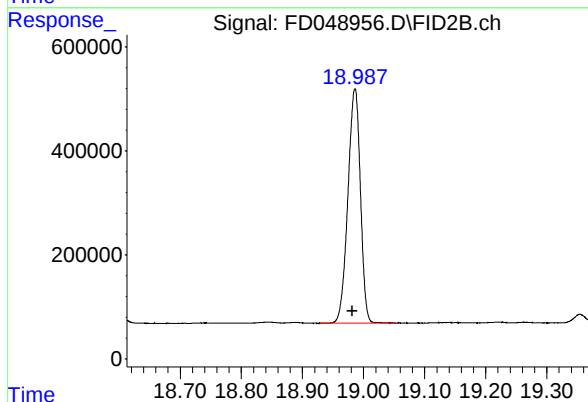
R.T.: 17.379 min
Delta R.T.: 0.004 min
Response: 7909786
Conc: 45.96 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM ALIPHATIC HC STD2



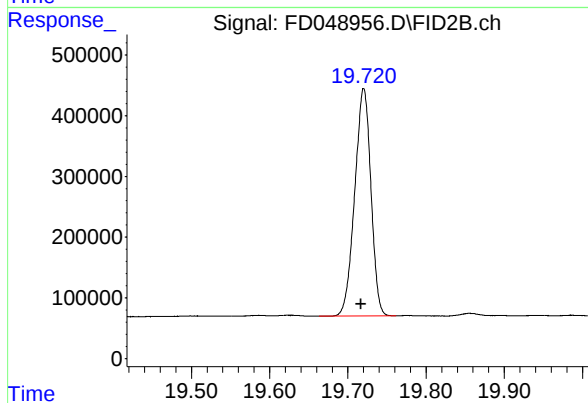
#18 n-Dotriacontane (C32)

R.T.: 18.206 min
Delta R.T.: 0.004 min
Response: 7467321
Conc: 45.56 ug/ml



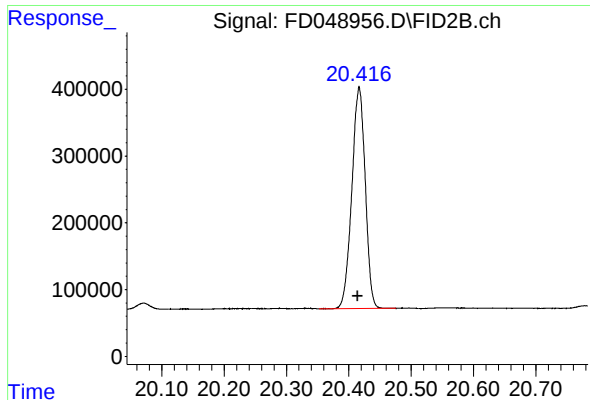
#19 n-Tetatriacontane (C34)

R.T.: 18.986 min
Delta R.T.: 0.004 min
Response: 6419464
Conc: 46.12 ug/ml



#20 n-Hexatriacontane (C36)

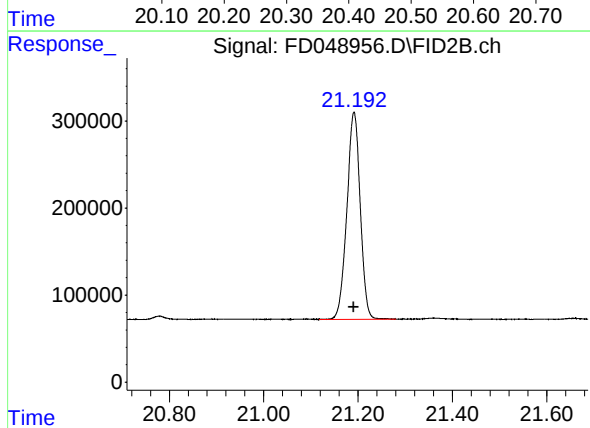
R.T.: 19.720 min
Delta R.T.: 0.003 min
Response: 5393314
Conc: 46.51 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.417 min
Delta R.T.: 0.002 min
Response: 4947810
Conc: 47.16 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM ALIPHATIC HC STD2



#22 n-Tetracontane (C40)

R.T.: 21.191 min
Delta R.T.: 0.001 min
Response: 4674816
Conc: 48.14 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD012425AL\
Data File : FD048956.D
Signal(s) : FID2B.ch
Acq On : 24 Jan 2025 15:26
Sample : 50 PPM ALIPHATIC HC STD2
Misc :
ALS Vial : 12 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 012425.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	3.108	3.070	3.184	BB	943286	7684506	82.61%	4.604%
2	4.153	4.111	4.233	BB	913502	7861390	84.51%	4.710%
3	5.698	5.661	5.820	BBA	908684	8564339	92.07%	5.132%
4	6.145	6.100	6.210	BB	837374	7979503	85.78%	4.781%
5	6.745	6.711	6.903	PB	821824	8355653	89.83%	5.007%
6	7.926	7.883	8.000	BBA	767099	7995704	85.96%	4.791%
7	9.516	9.466	9.591	BB	779388	8332084	89.57%	4.992%
8	10.948	10.908	11.005	BB	764669	8480813	91.17%	5.081%
9	11.244	11.194	11.335	BB	859019	9302035	100.00%	5.574%
10	12.248	12.196	12.303	BB	707461	8218056	88.35%	4.924%
11	12.685	12.623	12.750	BBA	625283	7082127	76.14%	4.243%
12	12.857	12.810	12.915	BB	691771	8111574	87.20%	4.860%
13	13.439	13.363	13.498	BB	674574	8134794	87.45%	4.874%
14	14.536	14.456	14.601	BB	642019	8135157	87.46%	4.874%
15	15.552	15.500	15.610	BB	621915	7991708	85.91%	4.788%
16	16.496	16.416	16.559	BB	588138	7854112	84.43%	4.706%
17	17.379	17.315	17.439	BB	589273	7909786	85.03%	4.739%
18	18.206	18.142	18.273	BB	536433	7467321	80.28%	4.474%
19	18.986	18.927	19.053	BB	450503	6419464	69.01%	3.846%
20	19.720	19.663	19.761	BV	374780	5393314	57.98%	3.232%
21	20.417	20.352	20.476	BB	332313	4947810	53.19%	2.965%
22	21.191	21.117	21.280	BBA	237739	4674816	50.26%	2.801%
Sum of corrected areas:						166896065		

Aliphatic EPH 012425.M Sat Jan 25 06:08:53 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD012425AL\
 Data File : FD048957.D
 Signal(s) : FID2B.ch
 Acq On : 24 Jan 2025 16:03
 Operator : YP/AJ
 Sample : 20 PPM ALIPHATIC HC STD3
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 20 PPM ALIPHATIC HC STD3

Integration File: autoint1.e
 Quant Time: Jan 25 05:54:07 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 012425.M
 Quant Title : GC Extractables
 QLast Update : Sat Jan 25 05:52:04 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)	11.239	3980701	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
12) S 1-chlorooctadecane (S...	12.682	3024945	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
Target Compounds			
1) T n-Nonane (C9)	3.107	3263352	20.000 ug/ml
2) T n-Decane (C10)	4.151	3330837	20.000 ug/ml
3) T A~Naphthalene (C11.7)	5.698	3546562	20.000 ug/ml
4) T n-Dodecane (C12)	6.143	3383503	20.000 ug/ml
5) T A~2-methylnaphthalene...	6.744	3392892	20.000 ug/ml
6) T n-Tetradecane (C14)	7.923	3388926	20.000 ug/ml
7) T n-Hexadecane (C16)	9.513	3548037	20.000 ug/ml
8) T n-Octadecane (C18)	10.944	3629555	20.000 ug/ml
10) T n-Eicosane (C20)	12.245	3537484	20.000 ug/ml
11) T n-Heneicosane (C21)	12.853	3493600	20.000 ug/ml
13) T n-Docosane (C22)	13.436	3482968	20.000 ug/ml
14) T n-Tetracosane (C24)	14.533	3480775	20.000 ug/ml
15) T n-Hexacosane (C26)	15.548	3422317	20.000 ug/ml
16) T n-Octacosane (C28)	16.493	3377786	20.000 ug/ml
17) T n-Tricontane (C30)	17.375	3441663	20.000 ug/ml
18) T n-Dotriacontane (C32)	18.203	3278250	20.000 ug/ml
19) T n-Tetratriacontane (C34)	18.982	2783794	20.000 ug/ml
20) T n-Hexatriacontane (C36)	19.717	2319303	20.000 ug/ml
21) T n-Octatriacontane (C38)	20.414	2098483	20.000 ug/ml
22) T n-Tetracontane (C40)	21.190	1942110	20.000 ug/ml

(f)=RT Delta > 1/2 Window

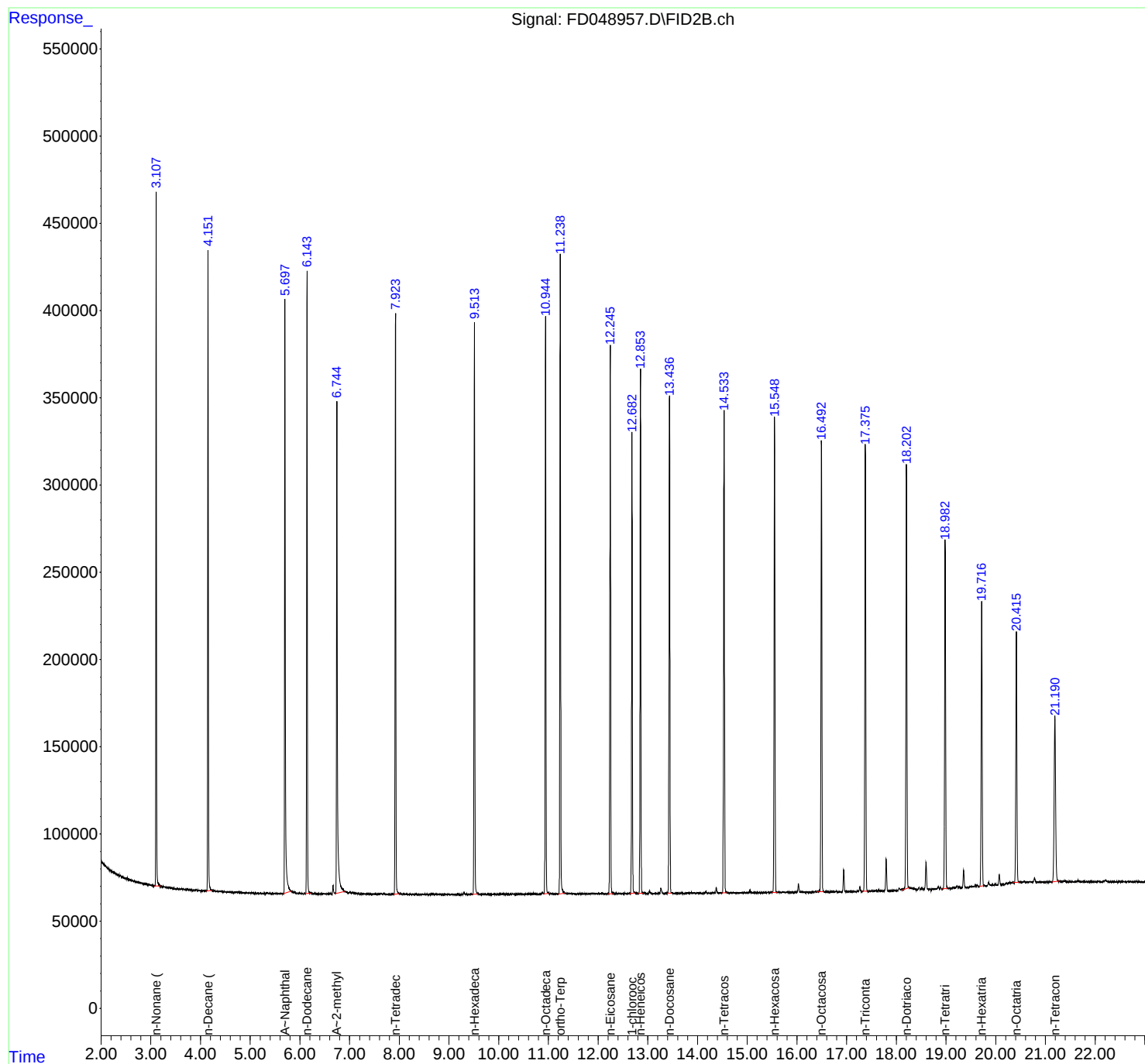
(m)=manual int.

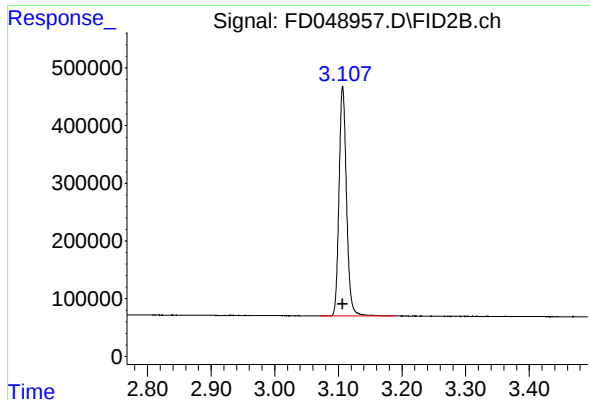
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD012425AL\
Data File : FD048957.D
Signal(s) : FID2B.ch
Acq On : 24 Jan 2025 16:03
Operator : YP/AJ
Sample : 20 PPM ALIPHATIC HC STD3
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
20 PPM ALIPHATIC HC STD3

Integration File: autoint1.e
Quant Time: Jan 25 05:54:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 012425.M
Quant Title : GC Extractables
QLast Update : Sat Jan 25 05:52:04 2025
Response via : Initial Calibration
Integrator: ChemStation

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

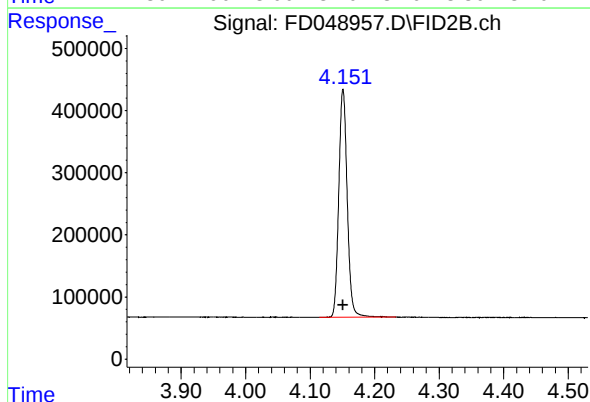




#1 n-Nonane (C9)

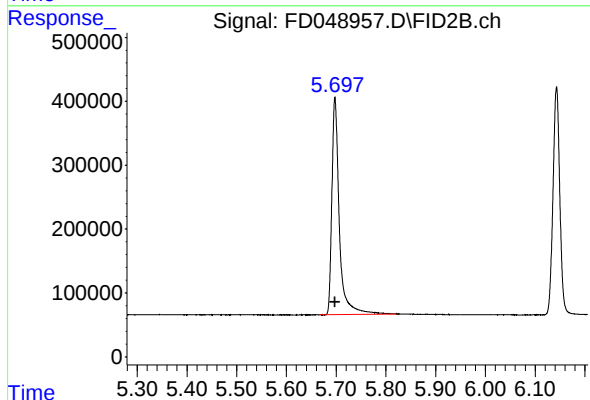
R.T.: 3.107 min
Delta R.T.: 0.000 min
Response: 3263352
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM ALIPHATIC HC STD3



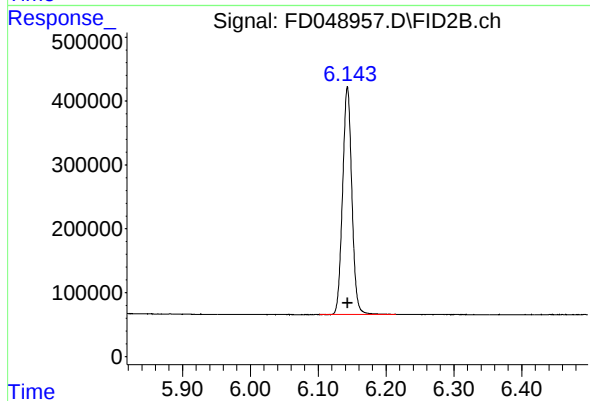
#2 n-Decane (C10)

R.T.: 4.151 min
Delta R.T.: 0.000 min
Response: 3330837
Conc: 20.00 ug/ml



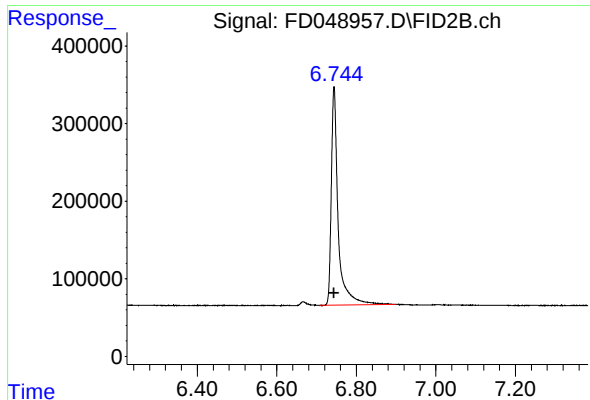
#3 A~Naphthalene (C11.7)

R.T.: 5.698 min
Delta R.T.: 0.000 min
Response: 3546562
Conc: 20.00 ug/ml



#4 n-Dodecane (C12)

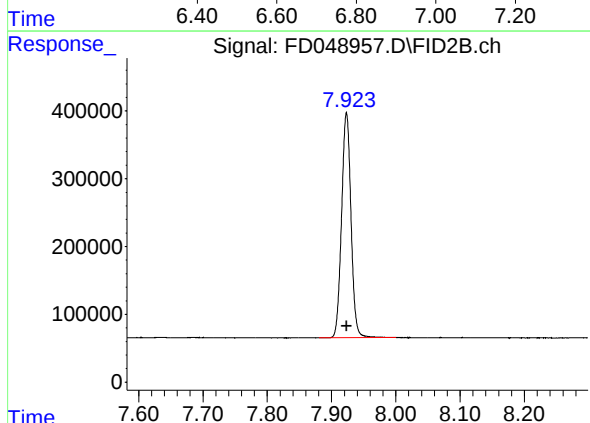
R.T.: 6.143 min
Delta R.T.: 0.000 min
Response: 3383503
Conc: 20.00 ug/ml



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

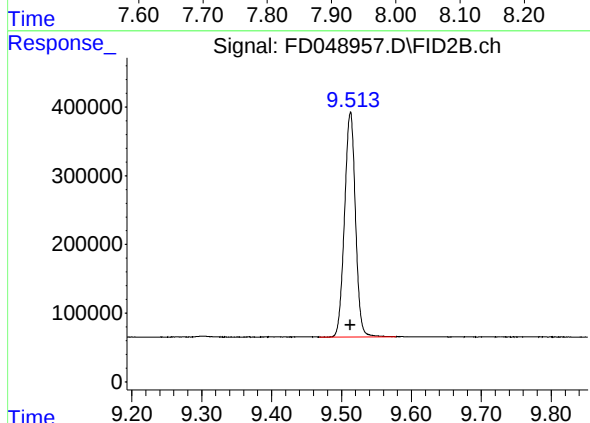
R.T.: 6.744 min
Delta R.T.: 0.000 min
Response: 3392892
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM ALIPHATIC HC STD3



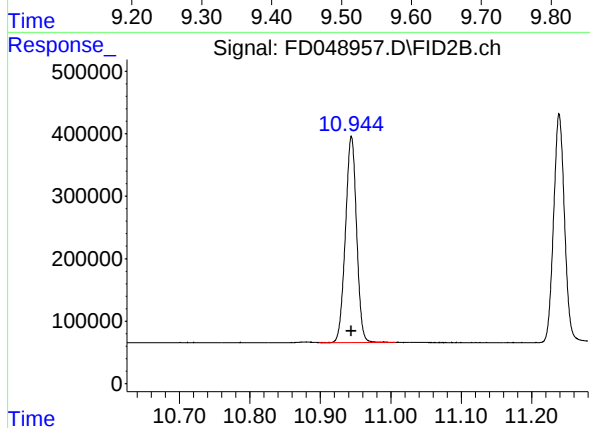
#6 n-Tetradecane (C14)

R.T.: 7.923 min
Delta R.T.: 0.000 min
Response: 3388926
Conc: 20.00 ug/ml



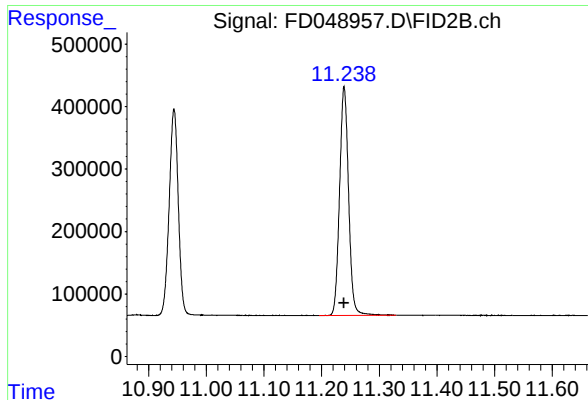
#7 n-Hexadecane (C16)

R.T.: 9.513 min
Delta R.T.: 0.000 min
Response: 3548037
Conc: 20.00 ug/ml



#8 n-Octadecane (C18)

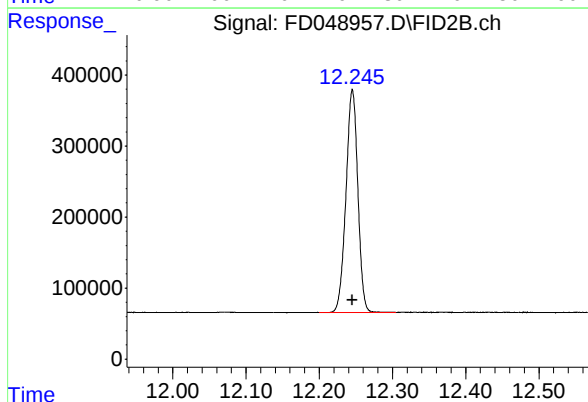
R.T.: 10.944 min
Delta R.T.: 0.000 min
Response: 3629555
Conc: 20.00 ug/ml



#9 ortho-Terphenyl (SURR)

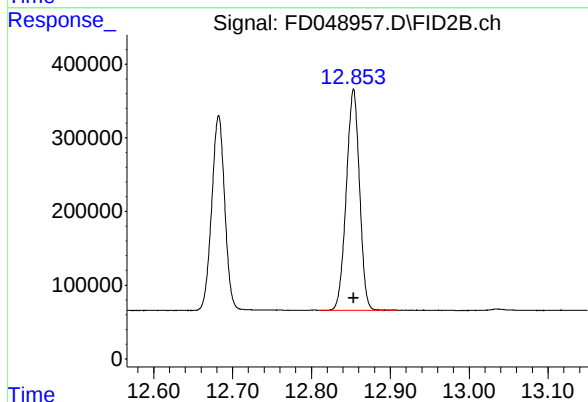
R.T.: 11.239 min
Delta R.T.: 0.000 min
Response: 3980701
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM ALIPHATIC HC STD3



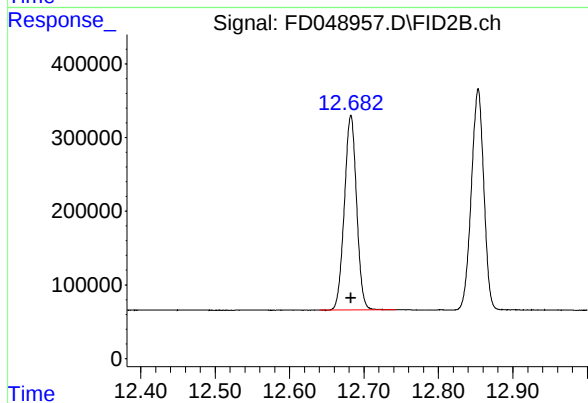
#10 n-Eicosane (C20)

R.T.: 12.245 min
Delta R.T.: 0.000 min
Response: 3537484
Conc: 20.00 ug/ml



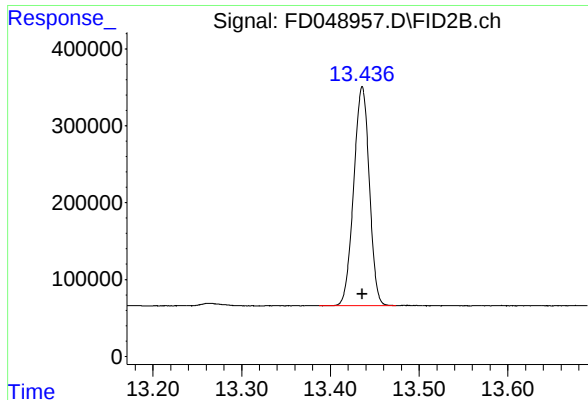
#11 n-Heneicosane (C21)

R.T.: 12.853 min
Delta R.T.: 0.000 min
Response: 3493600
Conc: 20.00 ug/ml



#12 1-chlorooctadecane (SURR)

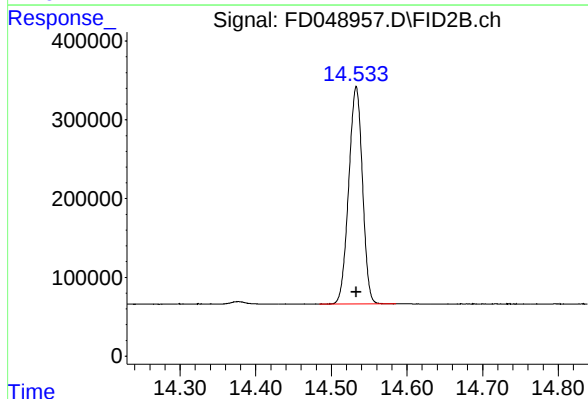
R.T.: 12.682 min
Delta R.T.: 0.000 min
Response: 3024945
Conc: 20.00 ug/ml



#13 n-Docosane (C22)

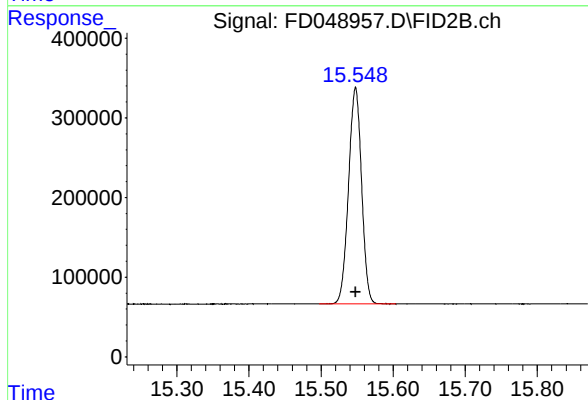
R.T.: 13.436 min
Delta R.T.: 0.000 min
Response: 3482968
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM ALIPHATIC HC STD3



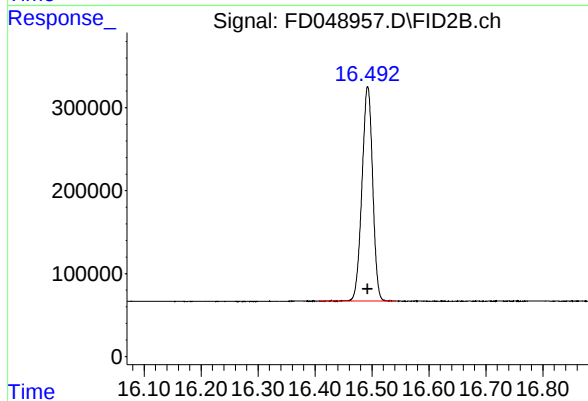
#14 n-Tetracosane (C24)

R.T.: 14.533 min
Delta R.T.: 0.000 min
Response: 3480775
Conc: 20.00 ug/ml



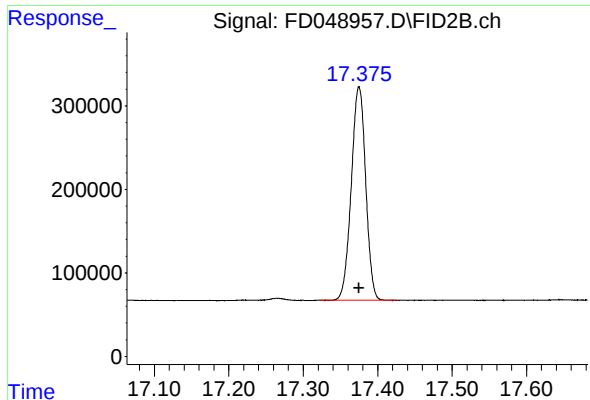
#15 n-Hexacosane (C26)

R.T.: 15.548 min
Delta R.T.: 0.000 min
Response: 3422317
Conc: 20.00 ug/ml



#16 n-Octacosane (C28)

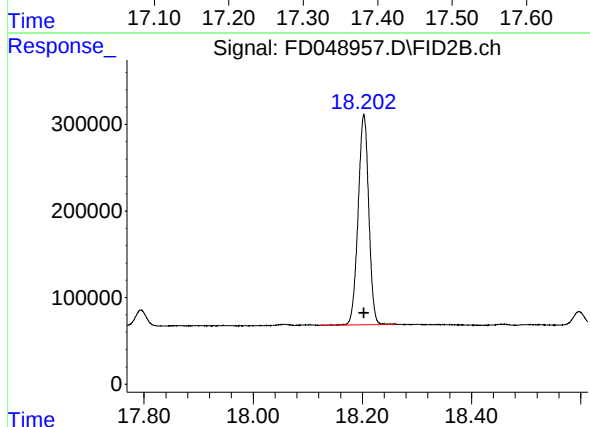
R.T.: 16.493 min
Delta R.T.: 0.000 min
Response: 3377786
Conc: 20.00 ug/ml



#17 n-Tricontane (C30)

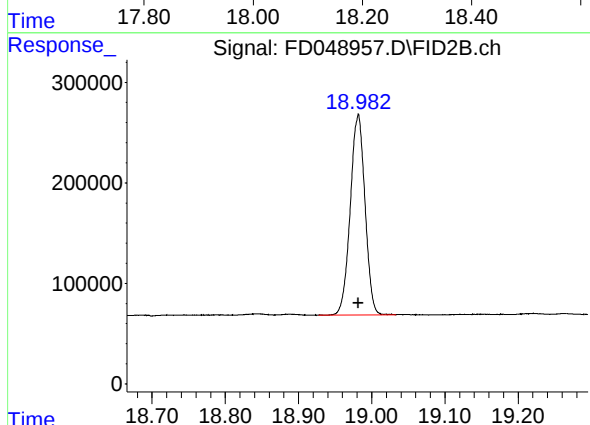
R.T.: 17.375 min
Delta R.T.: 0.000 min
Response: 3441663
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM ALIPHATIC HC STD3



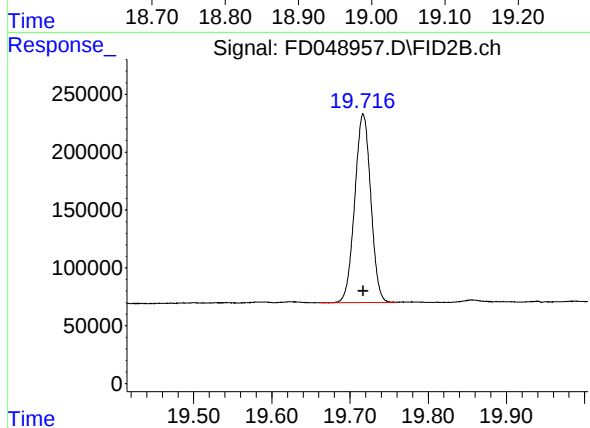
#18 n-Dotriacontane (C32)

R.T.: 18.203 min
Delta R.T.: 0.000 min
Response: 3278250
Conc: 20.00 ug/ml



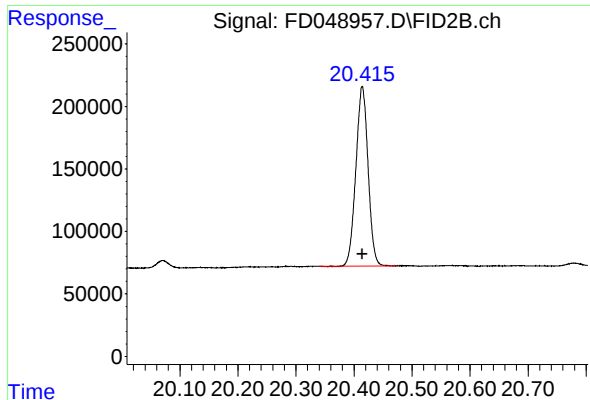
#19 n-Tetratriacontane (C34)

R.T.: 18.982 min
Delta R.T.: 0.000 min
Response: 2783794
Conc: 20.00 ug/ml



#20 n-Hexatriacontane (C36)

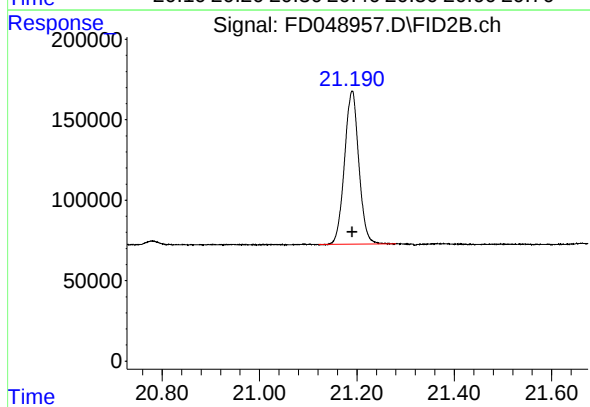
R.T.: 19.717 min
Delta R.T.: 0.000 min
Response: 2319303
Conc: 20.00 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.414 min
Delta R.T.: 0.000 min
Response: 2098483
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM ALIPHATIC HC STD3



#22 n-Tetracontane (C40)

R.T.: 21.190 min
Delta R.T.: 0.000 min
Response: 1942110
Conc: 20.00 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD012425AL\
 Data File : FD048957.D
 Signal(s) : FID2B.ch
 Acq On : 24 Jan 2025 16:03
 Sample : 20 PPM ALIPHATIC HC STD3
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 012425.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	3.107	3.070	3.191	BB	397478	3263352	81.98%	4.587%
2	4.151	4.114	4.233	BB	367109	3330837	83.67%	4.682%
3	5.698	5.666	5.820	BBA	340392	3546562	89.09%	4.985%
4	6.143	6.101	6.215	BB	356660	3383503	85.00%	4.756%
5	6.744	6.706	6.900	BB	281707	3392892	85.23%	4.769%
6	7.923	7.881	8.000	BBA	332358	3388926	85.13%	4.763%
7	9.513	9.468	9.578	BB	327540	3548037	89.13%	4.987%
8	10.944	10.898	11.007	BB	330603	3629555	91.18%	5.101%
9	11.239	11.196	11.329	BB	366405	3980701	100.00%	5.595%
10	12.245	12.200	12.305	BB	314102	3537484	88.87%	4.972%
11	12.682	12.640	12.743	BB	264270	3024945	75.99%	4.252%
12	12.853	12.810	12.907	BB	300602	3493600	87.76%	4.910%
13	13.436	13.387	13.474	BB	285101	3482968	87.50%	4.895%
14	14.533	14.484	14.586	BB	276655	3480775	87.44%	4.892%
15	15.548	15.497	15.604	BB	272444	3422317	85.97%	4.810%
16	16.493	16.407	16.542	BB	258728	3377786	84.85%	4.748%
17	17.375	17.321	17.425	BB	255970	3441663	86.46%	4.837%
18	18.203	18.121	18.261	BB	243160	3278250	82.35%	4.608%
19	18.982	18.928	19.033	BB	199533	2783794	69.93%	3.913%
20	19.717	19.661	19.759	BB	162935	2319303	58.26%	3.260%
21	20.414	20.340	20.472	BB	143868	2098483	52.72%	2.949%
22	21.190	21.122	21.280	BBA	95087	1942110	48.79%	2.730%
Sum of corrected areas:							71147843	

Aliphatic EPH 012425.M Sat Jan 25 06:09:53 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD012425AL\
 Data File : FD048958.D
 Signal(s) : FID2B.ch
 Acq On : 24 Jan 2025 16:39
 Operator : YP/AJ
 Sample : 10 PPM ALIPHATIC HC STD4
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 10 PPM ALIPHATIC HC STD4

Integration File: autoint1.e
 Quant Time: Jan 25 05:54:16 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 012425.M
 Quant Title : GC Extractables
 QLast Update : Sat Jan 25 05:52:04 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)	11.240	2061185	10.356 ug/ml
Spiked Amount 50.000		Recovery =	20.71%
12) S 1-chlorooctadecane (S...	12.682	1564090	10.341 ug/ml
Spiked Amount 50.000		Recovery =	20.68%
Target Compounds			
1) T n-Nonane (C9)	3.107	1721241	10.549 ug/ml
2) T n-Decane (C10)	4.151	1756217	10.545 ug/ml
3) T A~Naphthalene (C11.7)	5.700	1810598	10.210 ug/ml
4) T n-Dodecane (C12)	6.143	1783481	10.542 ug/ml
5) T A~2-methylnaphthalene...	6.748	1715475	10.112 ug/ml
6) T n-Tetradecane (C14)	7.924	1773276	10.465 ug/ml
7) T n-Hexadecane (C16)	9.512	1845449	10.403 ug/ml
8) T n-Octadecane (C18)	10.943	1895311	10.444 ug/ml
10) T n-Eicosane (C20)	12.244	1844999	10.431 ug/ml
11) T n-Heneicosane (C21)	12.852	1830506	10.479 ug/ml
13) T n-Docosane (C22)	13.435	1826383	10.488 ug/ml
14) T n-Tetracosane (C24)	14.531	1831157	10.522 ug/ml
15) T n-Hexacosane (C26)	15.546	1800363	10.521 ug/ml
16) T n-Octacosane (C28)	16.491	1778532	10.531 ug/ml
17) T n-Tricontane (C30)	17.372	1831119	10.641 ug/ml
18) T n-Dotriacontane (C32)	18.202	1740107	10.616 ug/ml
19) T n-Tetratriacontane (C34)	18.981	1505456	10.816 ug/ml
20) T n-Hexatriacontane (C36)	19.716	1233205	10.634 ug/ml
21) T n-Octatriacontane (C38)	20.414	1113475	10.612 ug/ml
22) T n-Tetracontane (C40)	21.191	1005133	10.351 ug/ml

(f)=RT Delta > 1/2 Window

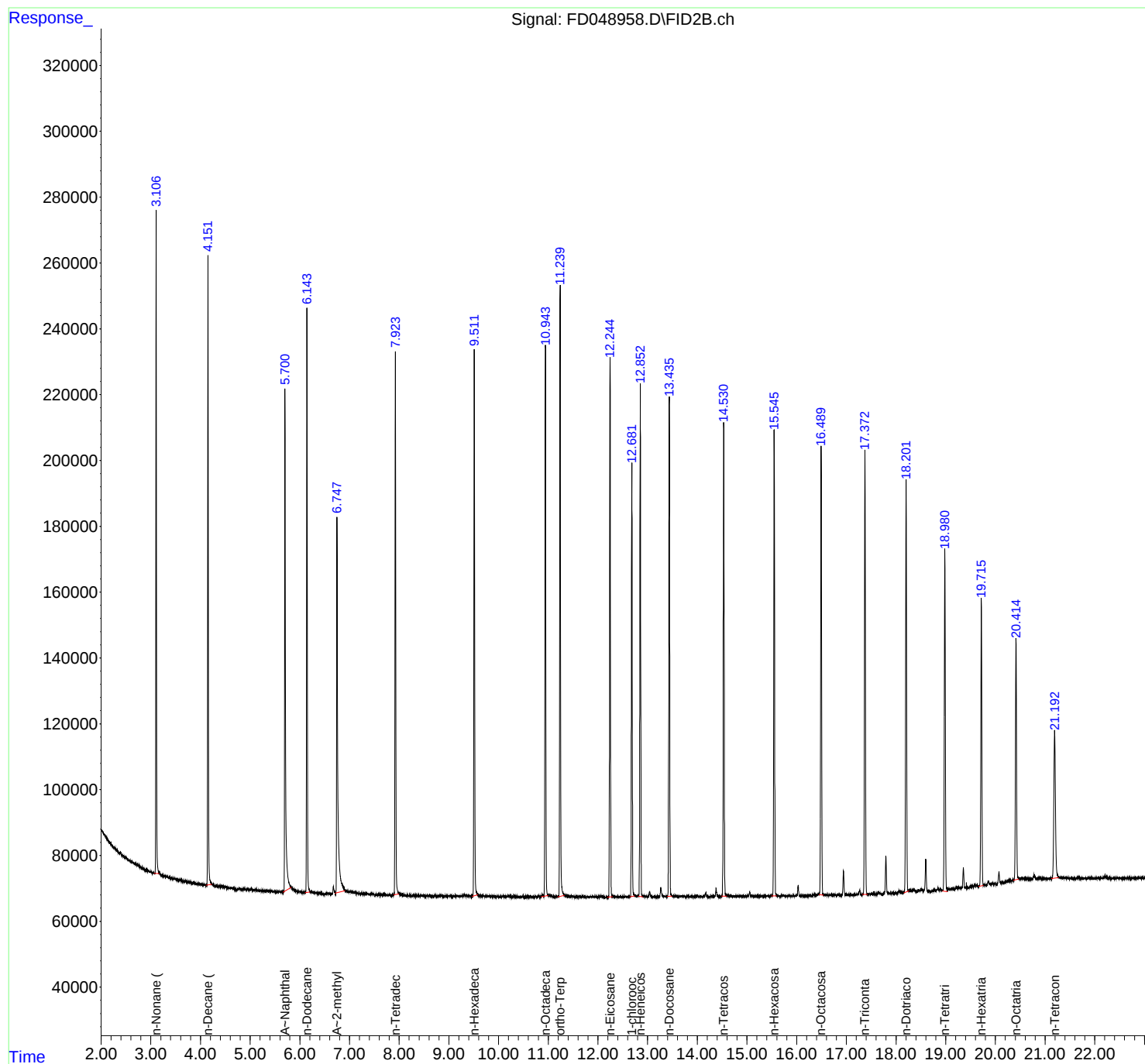
(m)=manual int.

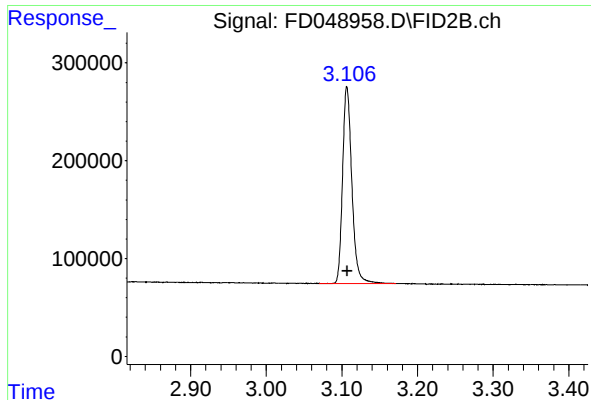
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD012425AL\
Data File : FD048958.D
Signal(s) : FID2B.ch
Acq On : 24 Jan 2025 16:39
Operator : YP/AJ
Sample : 10 PPM ALIPHATIC HC STD4
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
10 PPM ALIPHATIC HC STD4

Integration File: autoint1.e
Quant Time: Jan 25 05:54:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 012425.M
Quant Title : GC Extractables
QLast Update : Sat Jan 25 05:52:04 2025
Response via : Initial Calibration
Integrator: ChemStation

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

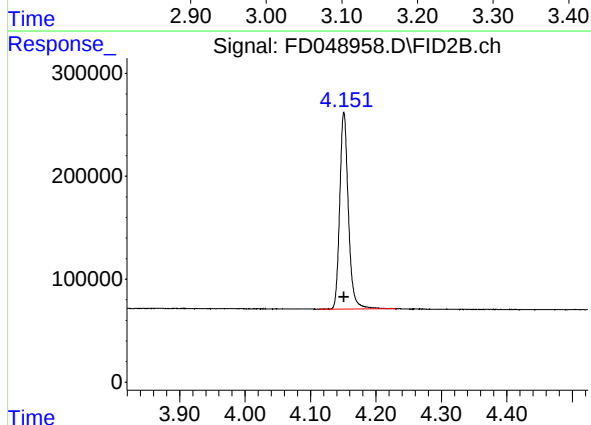




#1 n-Nonane (C9)

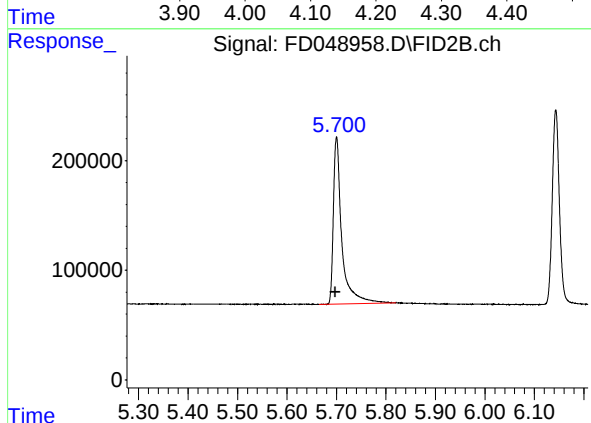
R.T.: 3.107 min
Delta R.T.: 0.000 min
Response: 1721241
Conc: 10.55 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM ALIPHATIC HC STD4



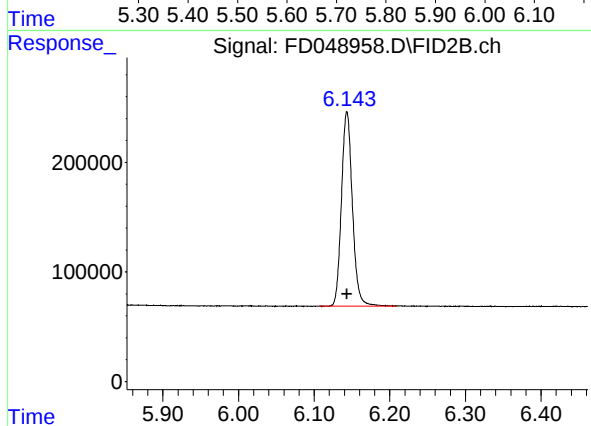
#2 n-Decane (C10)

R.T.: 4.151 min
Delta R.T.: 0.000 min
Response: 1756217
Conc: 10.55 ug/ml



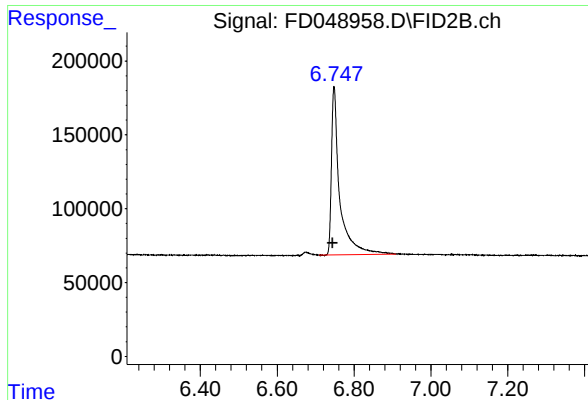
#3 A~Naphthalene (C11.7)

R.T.: 5.700 min
Delta R.T.: 0.003 min
Response: 1810598
Conc: 10.21 ug/ml



#4 n-Dodecane (C12)

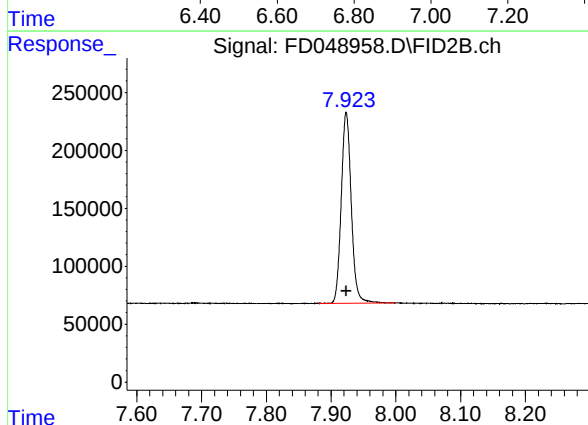
R.T.: 6.143 min
Delta R.T.: 0.000 min
Response: 1783481
Conc: 10.54 ug/ml



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

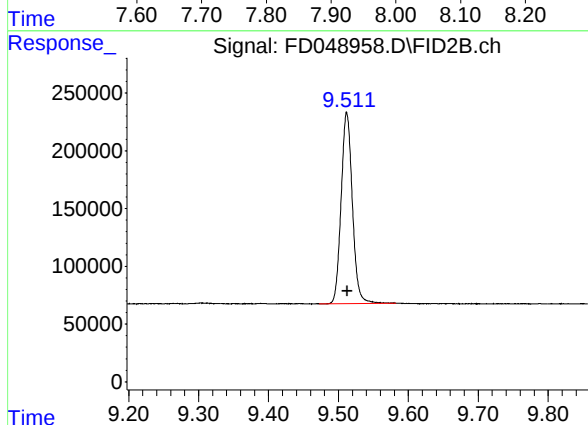
R.T.: 6.748 min
Delta R.T.: 0.004 min
Response: 1715475
Conc: 10.11 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM ALIPHATIC HC STD4



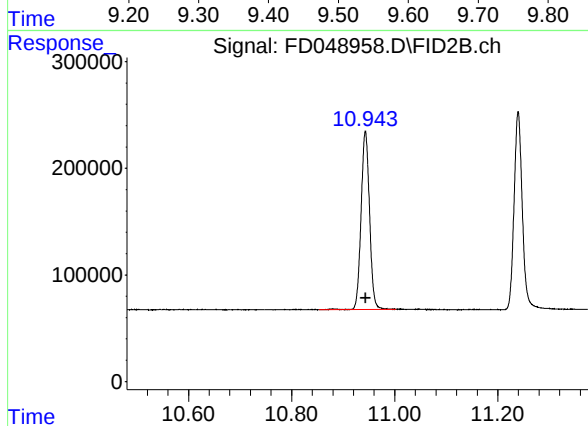
#6 n-Tetradecane (C14)

R.T.: 7.924 min
Delta R.T.: 0.000 min
Response: 1773276
Conc: 10.47 ug/ml



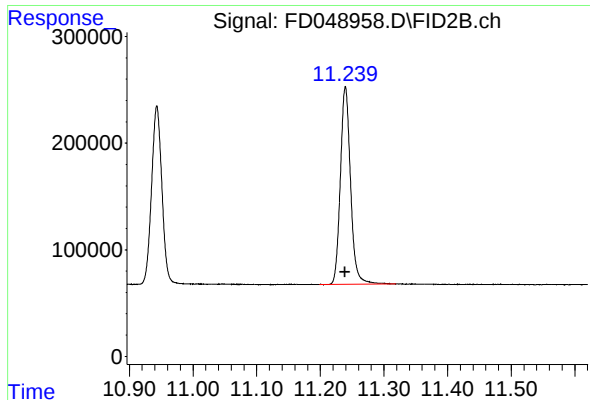
#7 n-Hexadecane (C16)

R.T.: 9.512 min
Delta R.T.: 0.000 min
Response: 1845449
Conc: 10.40 ug/ml



#8 n-Octadecane (C18)

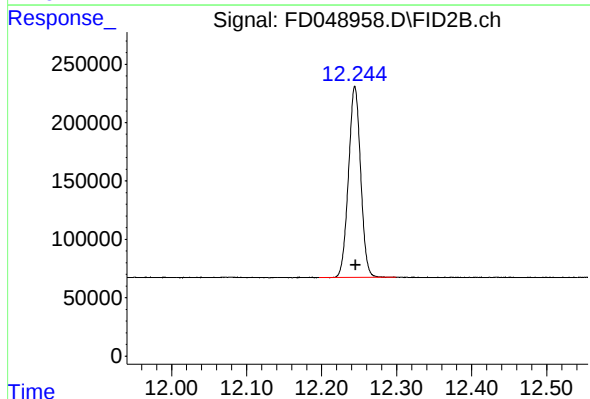
R.T.: 10.943 min
Delta R.T.: 0.000 min
Response: 1895311
Conc: 10.44 ug/ml



#9 ortho-Terphenyl (SURR)

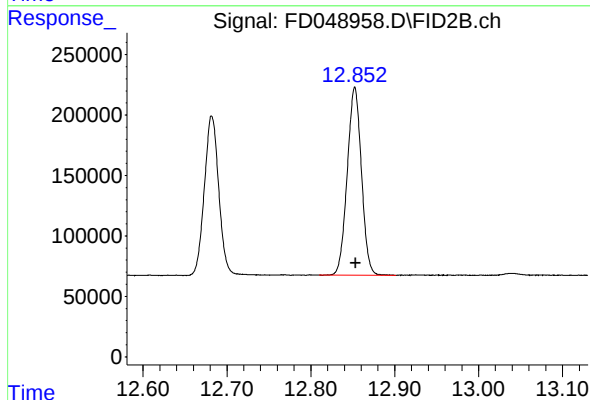
R.T.: 11.240 min
Delta R.T.: 0.000 min
Response: 2061185
Conc: 10.36 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM ALIPHATIC HC STD4



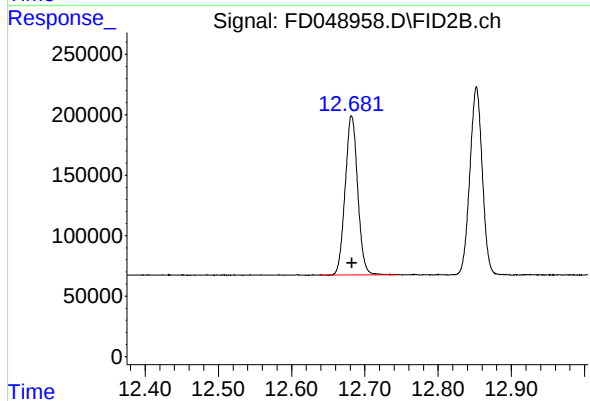
#10 n-Eicosane (C20)

R.T.: 12.244 min
Delta R.T.: 0.000 min
Response: 1844999
Conc: 10.43 ug/ml



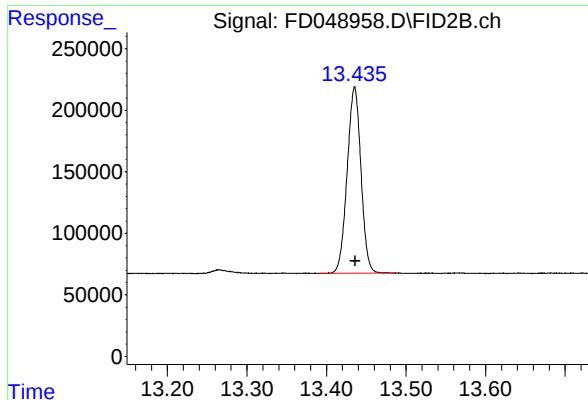
#11 n-Heneicosane (C21)

R.T.: 12.852 min
Delta R.T.: -0.001 min
Response: 1830506
Conc: 10.48 ug/ml



#12 1-chlorooctadecane (SURR)

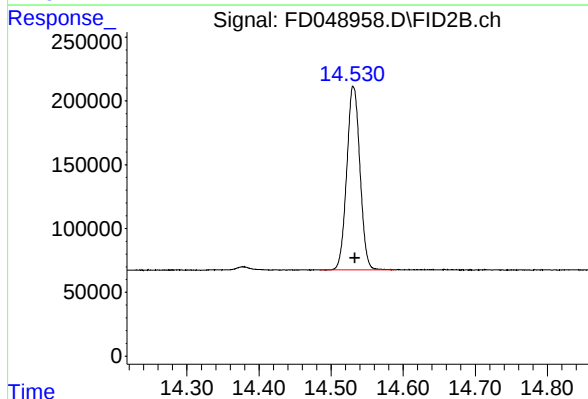
R.T.: 12.682 min
Delta R.T.: 0.000 min
Response: 1564090
Conc: 10.34 ug/ml



#13 n-Docosane (C22)

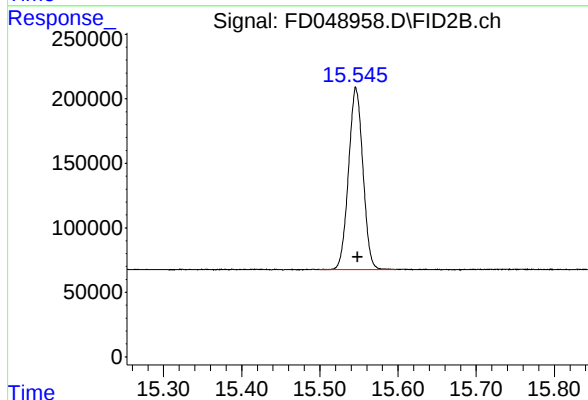
R.T.: 13.435 min
Delta R.T.: 0.000 min
Response: 1826383
Conc: 10.49 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM ALIPHATIC HC STD4



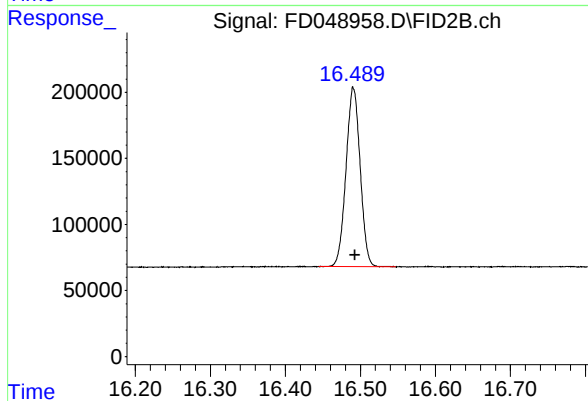
#14 n-Tetracosane (C24)

R.T.: 14.531 min
Delta R.T.: -0.002 min
Response: 1831157
Conc: 10.52 ug/ml



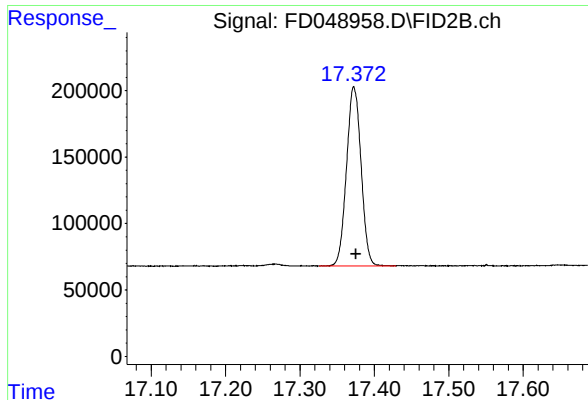
#15 n-Hexacosane (C26)

R.T.: 15.546 min
Delta R.T.: -0.002 min
Response: 1800363
Conc: 10.52 ug/ml



#16 n-Octacosane (C28)

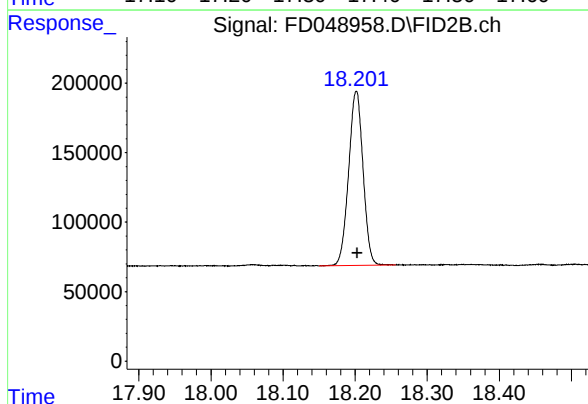
R.T.: 16.491 min
Delta R.T.: -0.002 min
Response: 1778532
Conc: 10.53 ug/ml



#17 n-Tricontane (C30)

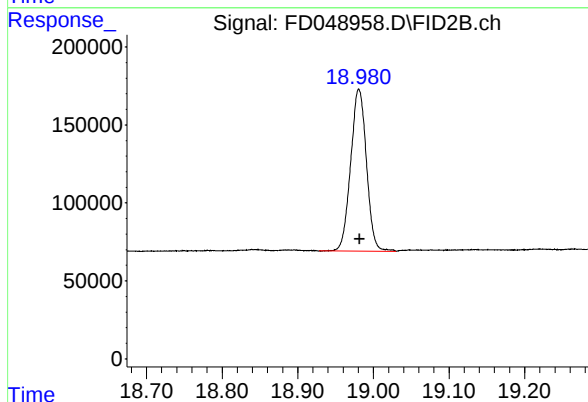
R.T.: 17.372 min
Delta R.T.: -0.003 min
Response: 1831119
Conc: 10.64 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM ALIPHATIC HC STD4



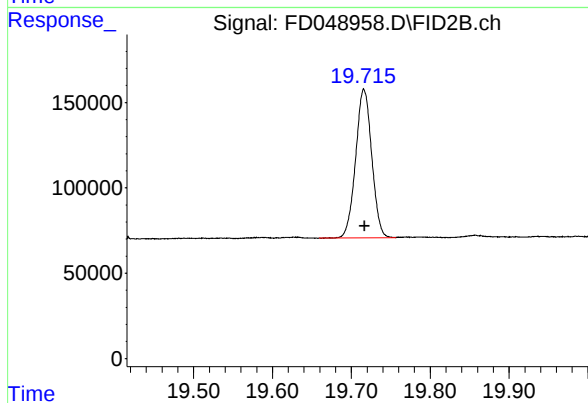
#18 n-Dotriacontane (C32)

R.T.: 18.202 min
Delta R.T.: -0.001 min
Response: 1740107
Conc: 10.62 ug/ml



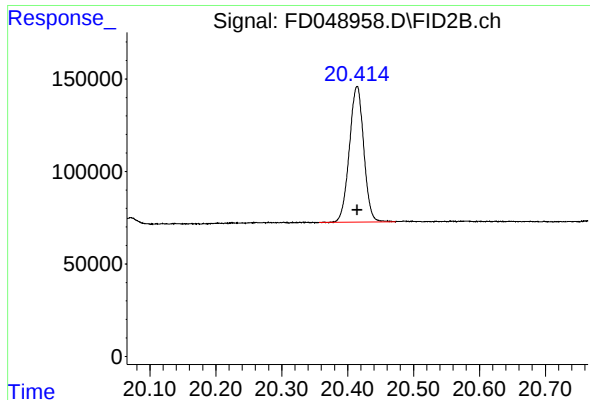
#19 n-Tetatriacontane (C34)

R.T.: 18.981 min
Delta R.T.: 0.000 min
Response: 1505456
Conc: 10.82 ug/ml



#20 n-Hexatriacontane (C36)

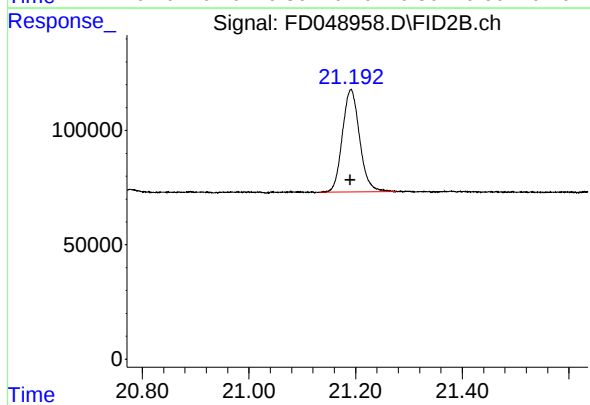
R.T.: 19.716 min
Delta R.T.: 0.000 min
Response: 1233205
Conc: 10.63 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.414 min
Delta R.T.: 0.000 min
Response: 1113475
Conc: 10.61 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM ALIPHATIC HC STD4



#22 n-Tetracontane (C40)

R.T.: 21.191 min
Delta R.T.: 0.000 min
Response: 1005133
Conc: 10.35 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD012425AL\
 Data File : FD048958.D
 Signal(s) : FID2B.ch
 Acq On : 24 Jan 2025 16:39
 Sample : 10 PPM ALIPHATIC HC STD4
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 012425.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	3.107	3.070	3.171	BB	201300	1721241	83.51%	4.619%
2	4.151	4.113	4.231	BB	190878	1756217	85.20%	4.713%
3	5.700	5.665	5.820	BBA	152545	1810598	87.84%	4.858%
4	6.143	6.106	6.208	BB	177576	1783481	86.53%	4.786%
5	6.748	6.709	6.909	BB	114053	1715475	83.23%	4.603%
6	7.924	7.881	8.000	BBA	164894	1773276	86.03%	4.758%
7	9.512	9.472	9.582	BB	165293	1845449	89.53%	4.952%
8	10.943	10.853	11.002	BB	167384	1895311	91.95%	5.086%
9	11.240	11.198	11.319	BB	185709	2061185	100.00%	5.531%
10	12.244	12.196	12.299	BB	163721	1844999	89.51%	4.951%
11	12.682	12.637	12.742	BB	131427	1564090	75.88%	4.197%
12	12.852	12.810	12.901	BB	155591	1830506	88.81%	4.912%
13	13.435	13.391	13.487	BB	151800	1826383	88.61%	4.901%
14	14.531	14.483	14.590	BB	143576	1831157	88.84%	4.914%
15	15.546	15.499	15.597	BB	140641	1800363	87.35%	4.831%
16	16.491	16.445	16.547	BB	135096	1778532	86.29%	4.772%
17	17.372	17.326	17.429	BB	134902	1831119	88.84%	4.914%
18	18.202	18.150	18.256	BB	125369	1740107	84.42%	4.669%
19	18.981	18.928	19.030	BV	104013	1505456	73.04%	4.040%
20	19.716	19.659	19.756	BB	87354	1233205	59.83%	3.309%
21	20.414	20.356	20.473	BB	73395	1113475	54.02%	2.988%
22	21.191	21.131	21.276	BB	44853	1005133	48.76%	2.697%
Sum of corrected areas:							37266758	

Aliphatic EPH 012425.M Sat Jan 25 06:10:21 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD012425AL\
 Data File : FD048959.D
 Signal(s) : FID2B.ch
 Acq On : 24 Jan 2025 17:17
 Operator : YP/AJ
 Sample : 5 PPM ALIPHATIC HC STD5
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 5 PPM ALIPHATIC HC STD5

Integration File: autoint1.e
 Quant Time: Jan 25 05:54:27 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 012425.M
 Quant Title : GC Extractables
 QLast Update : Sat Jan 25 05:52:04 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)	11.241	962625	4.836 ug/ml
Spiked Amount 50.000		Recovery =	9.67%
12) S 1-chlorooctadecane (S...	12.683	729696	4.825 ug/ml
Spiked Amount 50.000		Recovery =	9.65%
Target Compounds			
1) T n-Nonane (C9)	3.109	796124	4.879 ug/ml
2) T n-Decane (C10)	4.153	807517	4.849 ug/ml
3) T A~Naphthalene (C11.7)	5.706	773975	4.365 ug/ml
4) T n-Dodecane (C12)	6.144	822516	4.862 ug/ml
5) T A~2-methylnaphthalene...	6.760	660675	3.894 ug/ml
6) T n-Tetradecane (C14)	7.925	817393	4.824 ug/ml
7) T n-Hexadecane (C16)	9.514	854999	4.820 ug/ml
8) T n-Octadecane (C18)	10.943	878881	4.843 ug/ml
10) T n-Eicosane (C20)	12.245	873103	4.936 ug/ml
11) T n-Heneicosane (C21)	12.852	865461	4.955 ug/ml
13) T n-Docosane (C22)	13.435	864209	4.962 ug/ml
14) T n-Tetracosane (C24)	14.532	871301	5.006 ug/ml
15) T n-Hexacosane (C26)	15.547	858158	5.015 ug/ml
16) T n-Octacosane (C28)	16.492	887513	5.255 ug/ml
17) T n-Tricontane (C30)	17.374	975826	5.671 ug/ml
18) T n-Dotriacontane (C32)	18.202	947482	5.780 ug/ml
19) T n-Tetratriacontane (C34)	18.981	785370	5.642 ug/ml
20) T n-Hexatriacontane (C36)	19.716	622331	5.367 ug/ml
21) T n-Octatriacontane (C38)	20.414	536112	5.110 ug/ml
22) T n-Tetracontane (C40)	21.195	486623	5.011 ug/ml

(f)=RT Delta > 1/2 Window

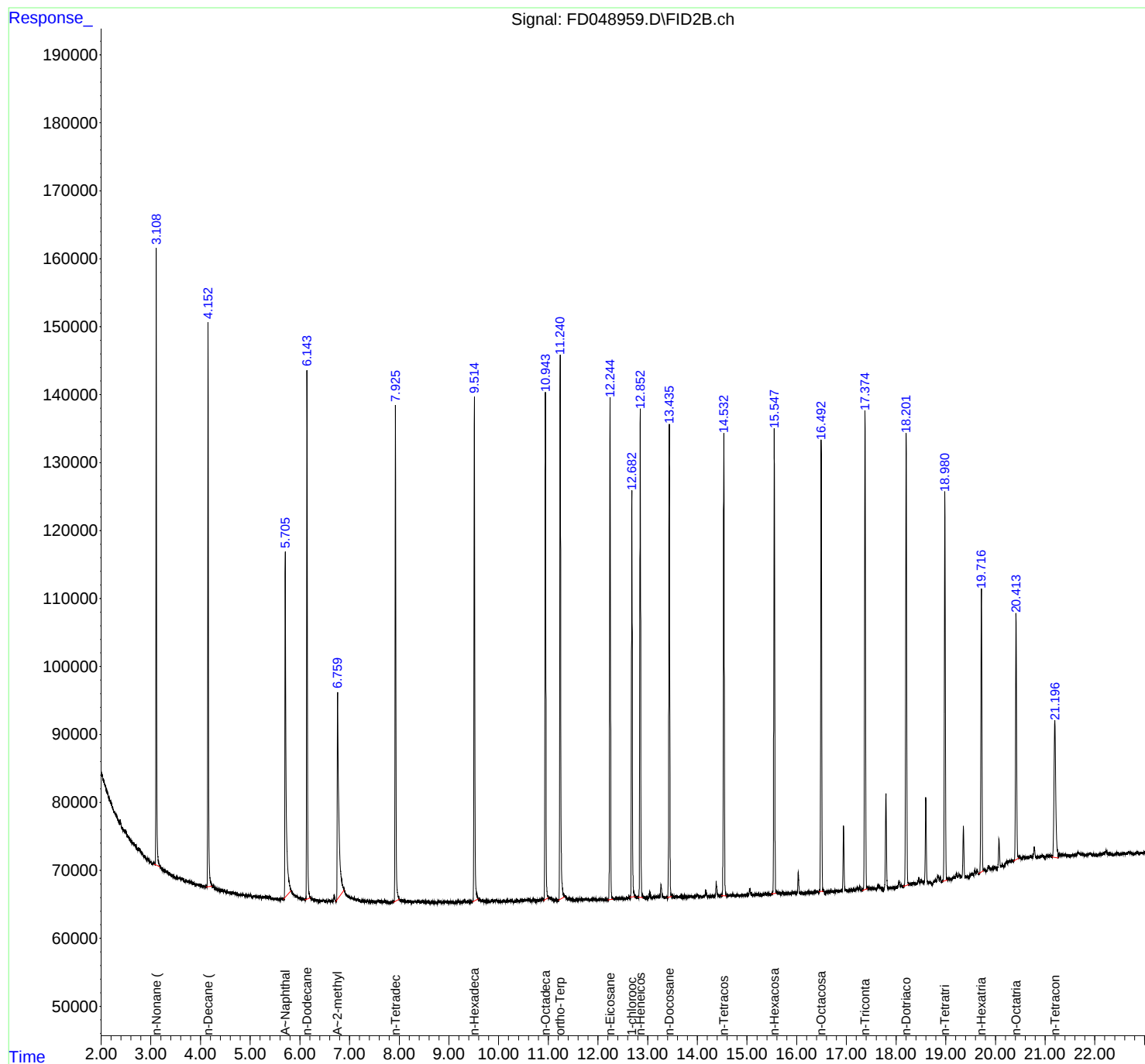
(m)=manual int.

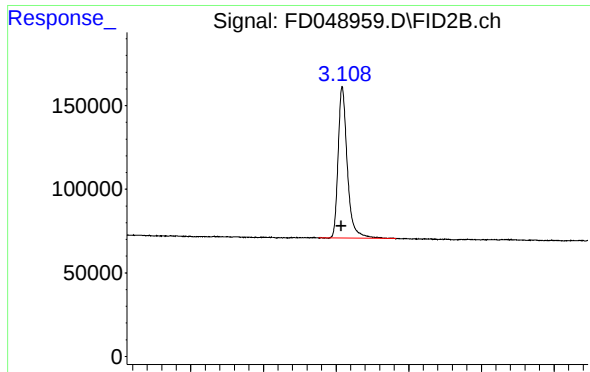
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD012425AL\
Data File : FD048959.D
Signal(s) : FID2B.ch
Acq On : 24 Jan 2025 17:17
Operator : YP/AJ
Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
5 PPM ALIPHATIC HC STD5

Integration File: autoint1.e
Quant Time: Jan 25 05:54:27 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 012425.M
Quant Title : GC Extractables
QLast Update : Sat Jan 25 05:52:04 2025
Response via : Initial Calibration
Integrator: ChemStation

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

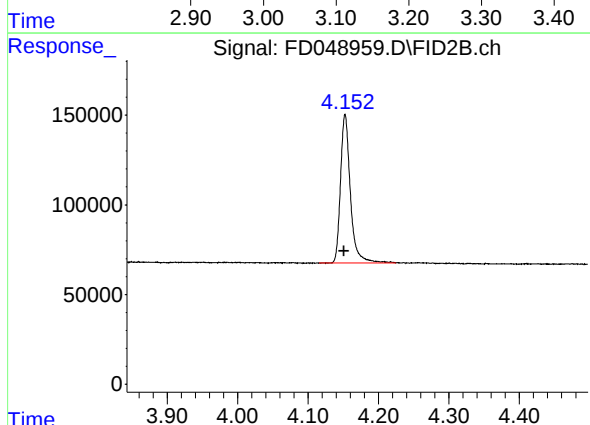




#1 n-Nonane (C9)

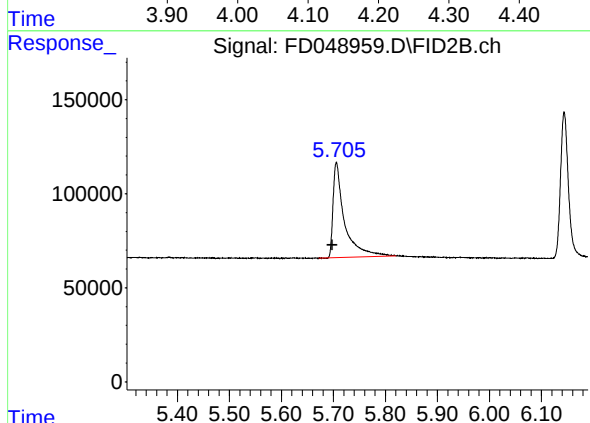
R.T.: 3.109 min
Delta R.T.: 0.002 min
Response: 796124
Conc: 4.88 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM ALIPHATIC HC STD5



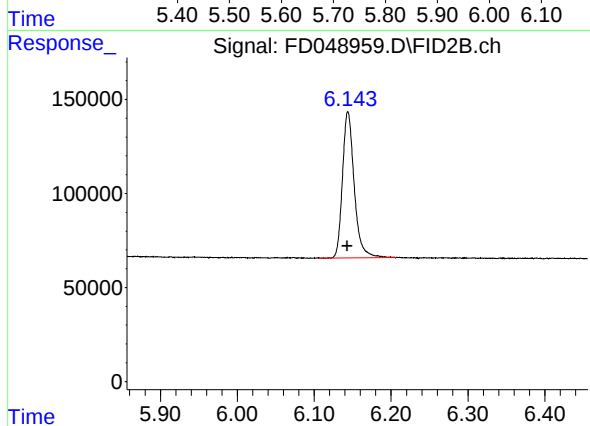
#2 n-Decane (C10)

R.T.: 4.153 min
Delta R.T.: 0.002 min
Response: 807517
Conc: 4.85 ug/ml



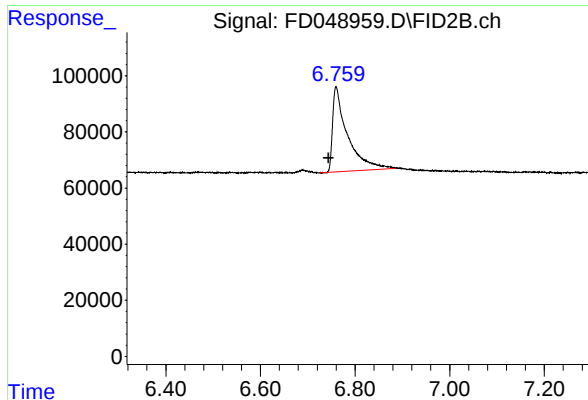
#3 A~Naphthalene (C11.7)

R.T.: 5.706 min
Delta R.T.: 0.008 min
Response: 773975
Conc: 4.36 ug/ml



#4 n-Dodecane (C12)

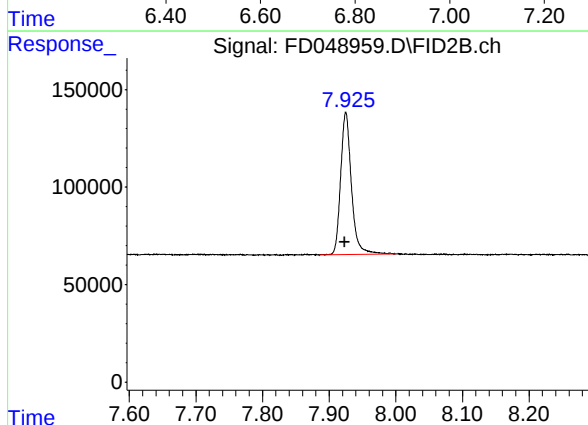
R.T.: 6.144 min
Delta R.T.: 0.000 min
Response: 822516
Conc: 4.86 ug/ml



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

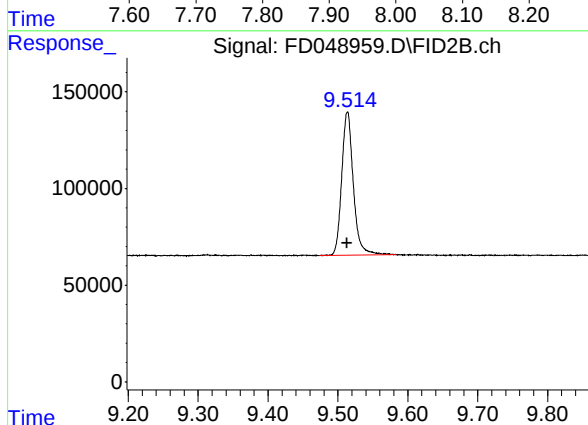
R.T.: 6.760 min
Delta R.T.: 0.016 min
Response: 660675
Conc: 3.89 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM ALIPHATIC HC STD5



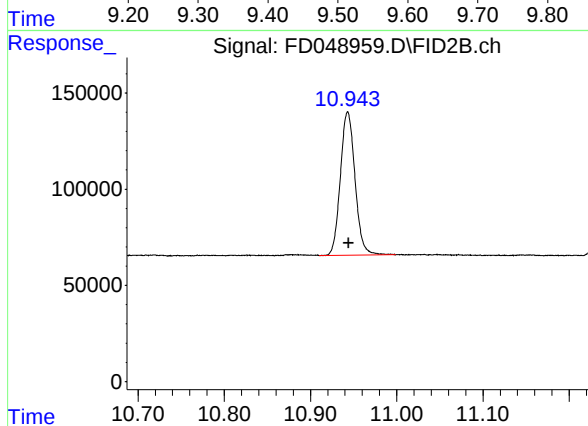
#6 n-Tetradecane (C14)

R.T.: 7.925 min
Delta R.T.: 0.002 min
Response: 817393
Conc: 4.82 ug/ml



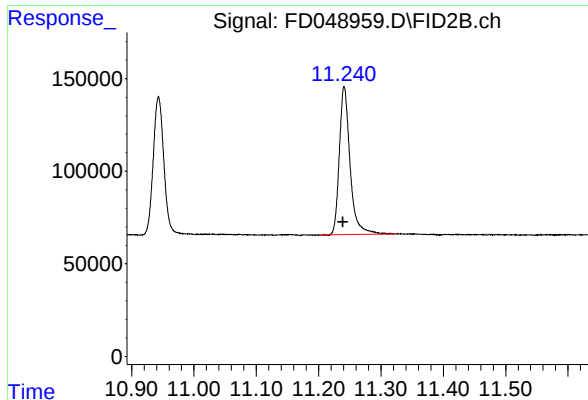
#7 n-Hexadecane (C16)

R.T.: 9.514 min
Delta R.T.: 0.000 min
Response: 854999
Conc: 4.82 ug/ml



#8 n-Octadecane (C18)

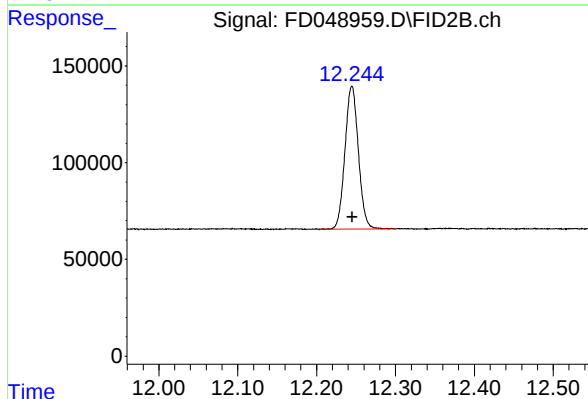
R.T.: 10.943 min
Delta R.T.: 0.000 min
Response: 878881
Conc: 4.84 ug/ml



#9 ortho-Terphenyl (SURR)

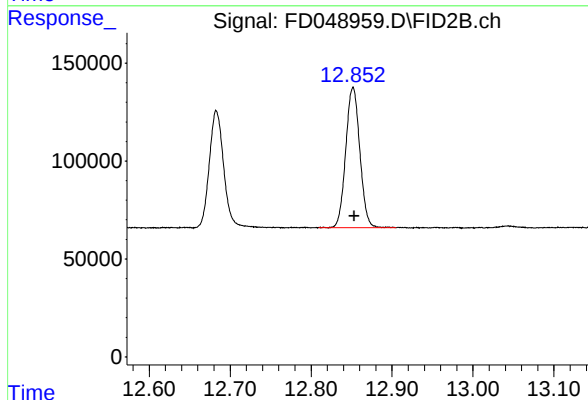
R.T.: 11.241 min
Delta R.T.: 0.002 min
Response: 962625
Conc: 4.84 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM ALIPHATIC HC STD5



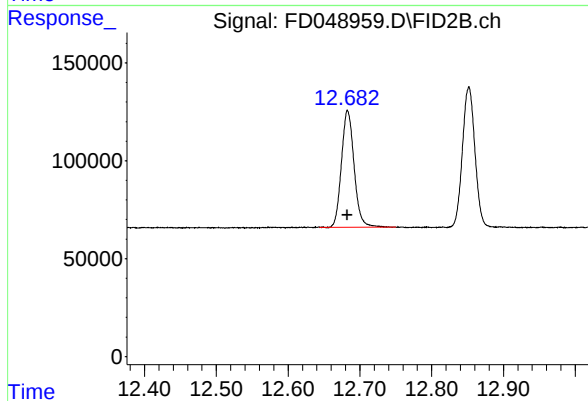
#10 n-Eicosane (C20)

R.T.: 12.245 min
Delta R.T.: 0.000 min
Response: 873103
Conc: 4.94 ug/ml



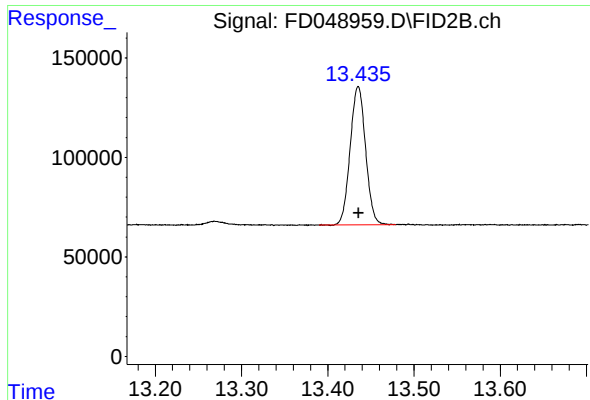
#11 n-Heneicosane (C21)

R.T.: 12.852 min
Delta R.T.: -0.002 min
Response: 865461
Conc: 4.95 ug/ml



#12 1-chlorooctadecane (SURR)

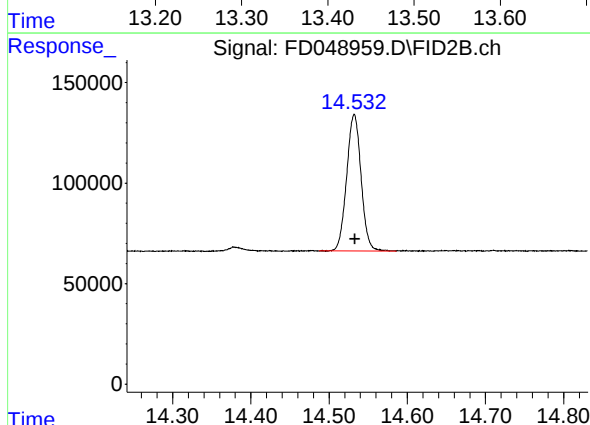
R.T.: 12.683 min
Delta R.T.: 0.000 min
Response: 729696
Conc: 4.82 ug/ml



#13 n-Docosane (C22)

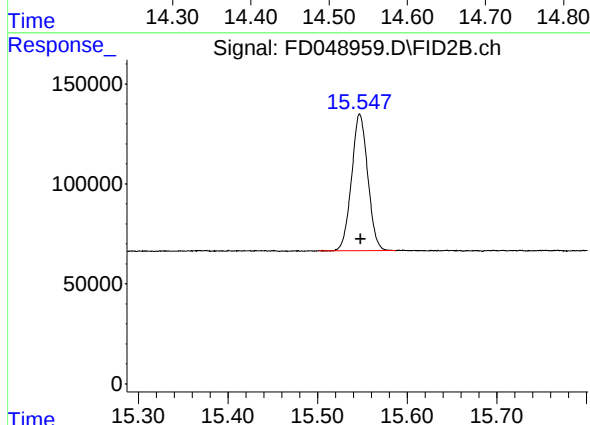
R.T.: 13.435 min
Delta R.T.: 0.000 min
Response: 864209
Conc: 4.96 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM ALIPHATIC HC STD5



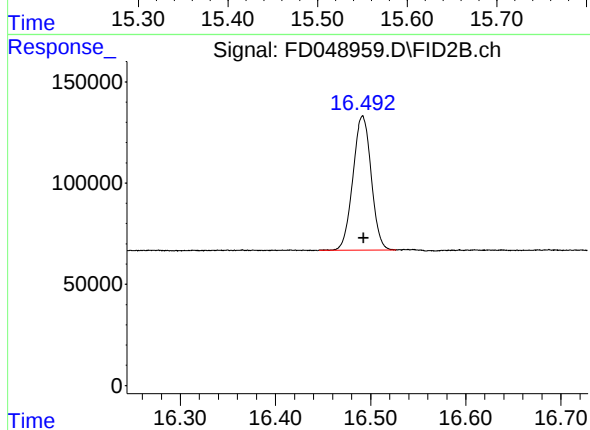
#14 n-Tetracosane (C24)

R.T.: 14.532 min
Delta R.T.: 0.000 min
Response: 871301
Conc: 5.01 ug/ml



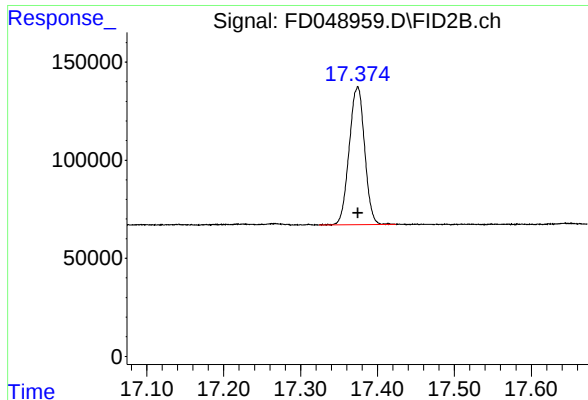
#15 n-Hexacosane (C26)

R.T.: 15.547 min
Delta R.T.: 0.000 min
Response: 858158
Conc: 5.02 ug/ml



#16 n-Octacosane (C28)

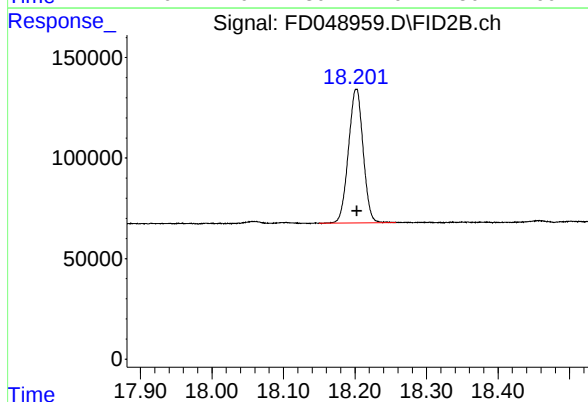
R.T.: 16.492 min
Delta R.T.: 0.000 min
Response: 887513
Conc: 5.25 ug/ml



#17 n-Tricontane (C30)

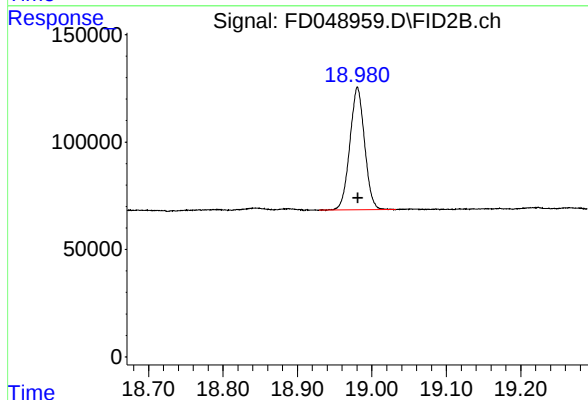
R.T.: 17.374 min
Delta R.T.: 0.000 min
Response: 975826
Conc: 5.67 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM ALIPHATIC HC STD5



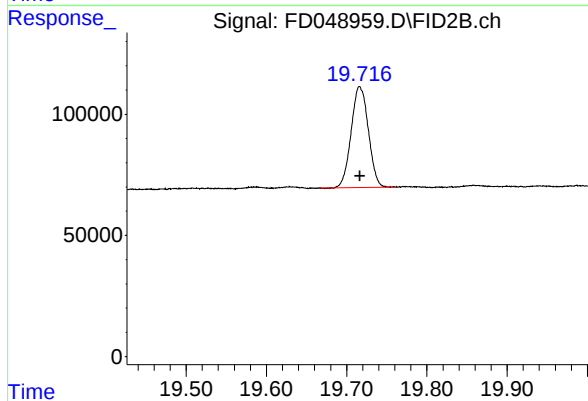
#18 n-Dotriacontane (C32)

R.T.: 18.202 min
Delta R.T.: 0.000 min
Response: 947482
Conc: 5.78 ug/ml



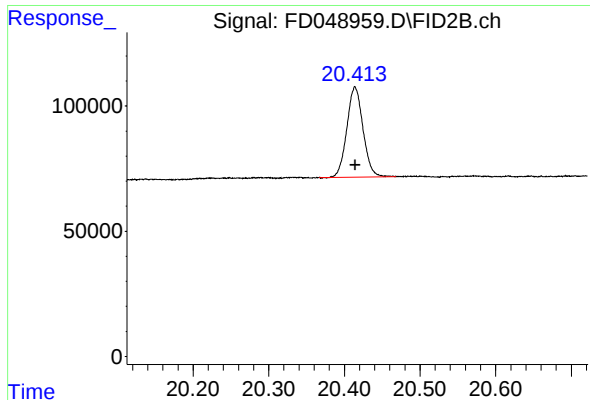
#19 n-Tetatriacontane (C34)

R.T.: 18.981 min
Delta R.T.: -0.001 min
Response: 785370
Conc: 5.64 ug/ml



#20 n-Hexatriacontane (C36)

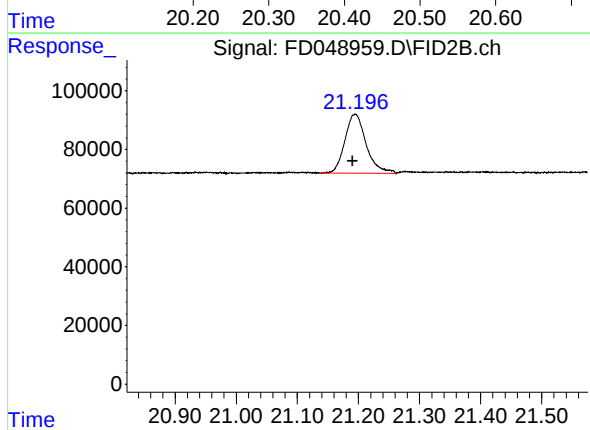
R.T.: 19.716 min
Delta R.T.: 0.000 min
Response: 622331
Conc: 5.37 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.414 min
Delta R.T.: 0.000 min
Response: 536112
Conc: 5.11 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM ALIPHATIC HC STD5



#22 n-Tetracontane (C40)

R.T.: 21.195 min
Delta R.T.: 0.004 min
Response: 486623
Conc: 5.01 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD012425AL\
 Data File : FD048959.D
 Signal(s) : FID2B.ch
 Acq On : 24 Jan 2025 17:17
 Sample : 5 PPM ALIPHATIC HC STD5
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 012425.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	3.109	3.077	3.182	BB	90581	796124	81.58%	4.504%
2	4.153	4.116	4.225	BB	82935	807517	82.75%	4.568%
3	5.706	5.672	5.820	BBA	50719	773975	79.31%	4.378%
4	6.144	6.107	6.207	BB	77772	822516	84.29%	4.653%
5	6.760	6.724	6.887	BB	30359	660675	67.70%	3.737%
6	7.925	7.885	8.000	BBA	72985	817393	83.76%	4.624%
7	9.514	9.473	9.583	BB	74110	854999	87.62%	4.837%
8	10.943	10.910	10.999	BB	74646	878881	90.07%	4.972%
9	11.241	11.201	11.324	BB	80008	962625	98.65%	5.445%
10	12.245	12.203	12.301	BB	73843	873103	89.47%	4.939%
11	12.683	12.643	12.750	BBA	59621	729696	74.78%	4.128%
12	12.852	12.810	12.905	BB	71659	865461	88.69%	4.896%
13	13.435	13.390	13.479	BB	69662	864209	88.56%	4.889%
14	14.532	14.487	14.586	BB	68074	871301	89.29%	4.929%
15	15.547	15.502	15.587	BB	68265	858158	87.94%	4.854%
16	16.492	16.446	16.527	BB	66257	887513	90.95%	5.020%
17	17.374	17.324	17.424	BB	70293	975826	100.00%	5.520%
18	18.202	18.150	18.257	BB	66503	947482	97.10%	5.360%
19	18.981	18.929	19.032	BB	57234	785370	80.48%	4.443%
20	19.716	19.666	19.762	BB	41699	622331	63.77%	3.520%
21	20.414	20.367	20.468	BB	36224	536112	54.94%	3.033%
22	21.195	21.136	21.262	BV	20089	486623	49.87%	2.753%
Sum of corrected areas:							17677890	

Aliphatic EPH 012425.M Sat Jan 25 06:10:55 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD012425AL\
 Data File : FD048960.D
 Signal(s) : FID2B.ch
 Acq On : 24 Jan 2025 17:53
 Operator : YP/AJ
 Sample : 20 PPM ALIPHATIC HC STD ICV
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 20 PPM ALIPHATIC HC STD ICV

Integration File: autoint1.e
 Quant Time: Jan 25 05:58:23 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 012425.M
 Quant Title : GC Extractables
 QLast Update : Sat Jan 25 05:57:24 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)	11.240	3617096	18.732 ug/ml
Spiked Amount 50.000		Recovery =	37.46%
12) S 1-chlorooctadecane (S...	12.682	2744267	18.696 ug/ml
Spiked Amount 50.000		Recovery =	37.39%
Target Compounds			
1) T n-Nonane (C9)	3.107	3024644	18.913 ug/ml
2) T n-Decane (C10)	4.151	3075772	18.863 ug/ml
3) T A~Naphthalene (C11.7)	5.698	3273838	19.157 ug/ml
4) T n-Dodecane (C12)	6.143	3120092	18.839 ug/ml
5) T A~2-methylnaphthalene...	6.744	3110615	19.297 ug/ml
6) T n-Tetradecane (C14)	7.923	3101427	18.760 ug/ml
7) T n-Hexadecane (C16)	9.512	3232715	18.749 ug/ml
8) T n-Octadecane (C18)	10.943	3303846	18.737 ug/ml
10) T n-Eicosane (C20)	12.244	3207234	18.635 ug/ml
11) T n-Heneicosane (C21)	12.852	3175256	18.647 ug/ml
13) T n-Docosane (C22)	13.436	3161587	18.592 ug/ml
14) T n-Tetracosane (C24)	14.532	3146448	18.469 ug/ml
15) T n-Hexacosane (C26)	15.547	3080079	18.389 ug/ml
16) T n-Octacosane (C28)	16.491	2984549	17.941 ug/ml
17) T n-Tricontane (C30)	17.373	2951630	17.195 ug/ml
18) T n-Dotriacontane (C32)	18.202	2777498	16.990 ug/ml
19) T n-Tetratriacontane (C34)	18.980	2392354	17.172 ug/ml
20) T n-Hexatriacontane (C36)	19.717	2030247	17.656 ug/ml
21) T n-Octatriacontane (C38)	20.412	1876840	18.113 ug/ml
22) T n-Tetracontane (C40)	21.188	1721720	17.965 ug/ml

(f)=RT Delta > 1/2 Window

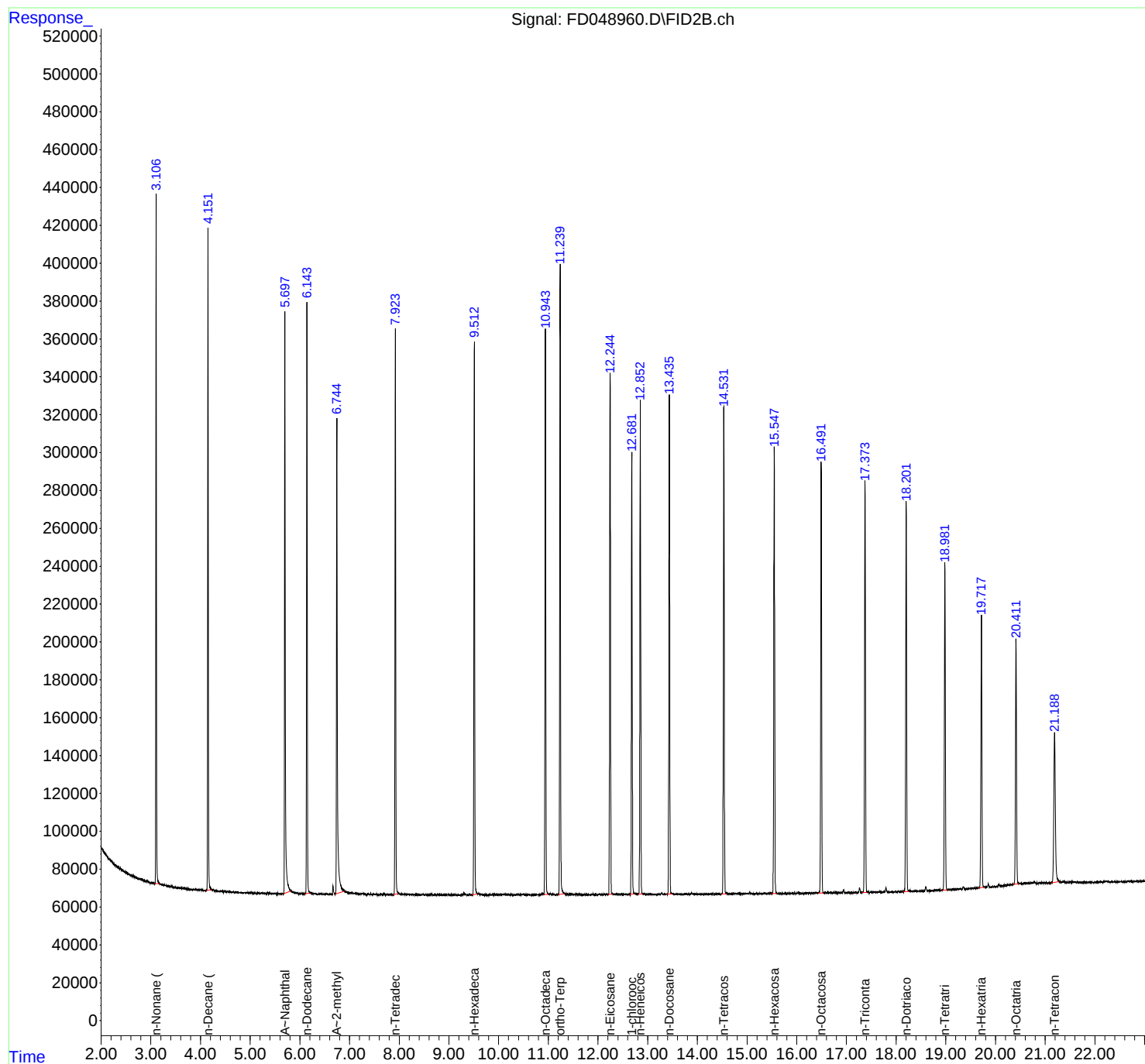
(m)=manual int.

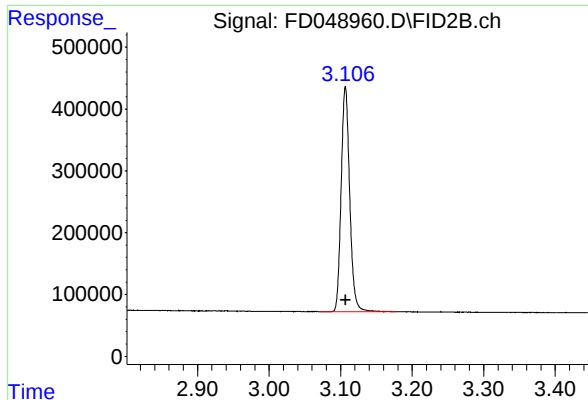
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD012425AL\
Data File : FD048960.D
Signal(s) : FID2B.ch
Acq On : 24 Jan 2025 17:53
Operator : YP/AJ
Sample : 20 PPM ALIPHATIC HC STD ICV
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV

Integration File: autoint1.e
Quant Time: Jan 25 05:58:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 012425.M
Quant Title : GC Extractables
QLast Update : Sat Jan 25 05:57:24 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)

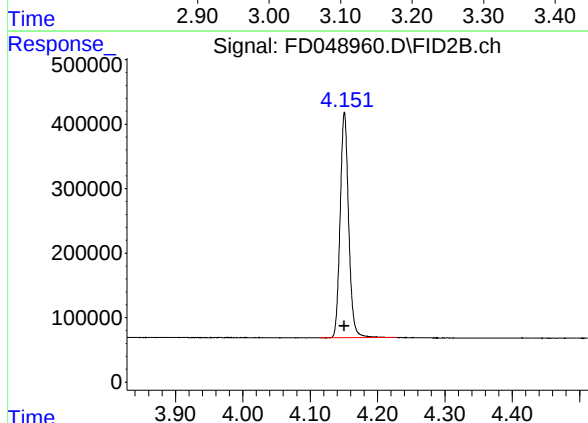
R.T.: 3.107 min
Delta R.T.: 0.000 min
Response: 3024644
Conc: 18.91 ug/ml

Instrument :

FID_D

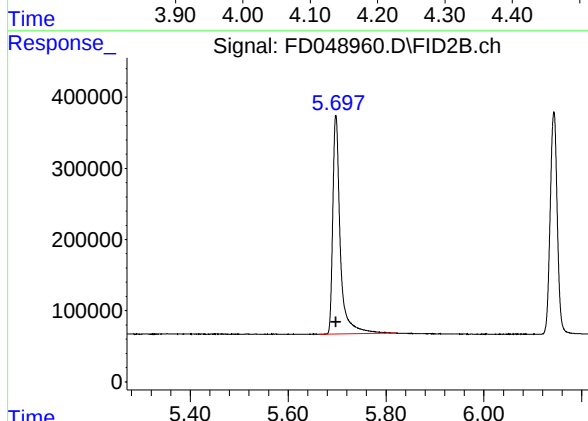
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



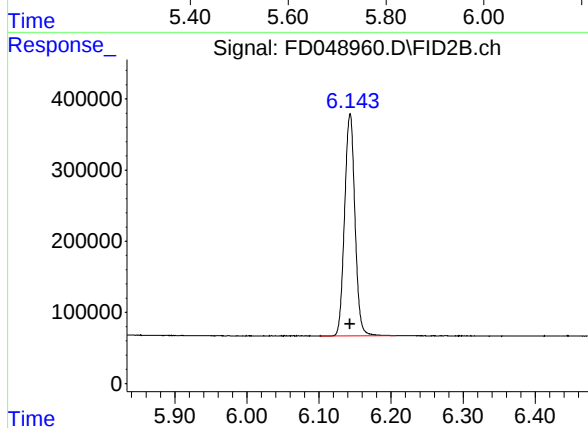
#2 n-Decane (C10)

R.T.: 4.151 min
Delta R.T.: 0.000 min
Response: 3075772
Conc: 18.86 ug/ml



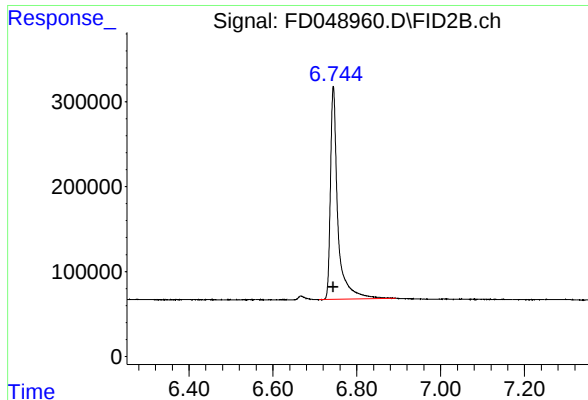
#3 A~Naphthalene (C11.7)

R.T.: 5.698 min
Delta R.T.: 0.000 min
Response: 3273838
Conc: 19.16 ug/ml



#4 n-Dodecane (C12)

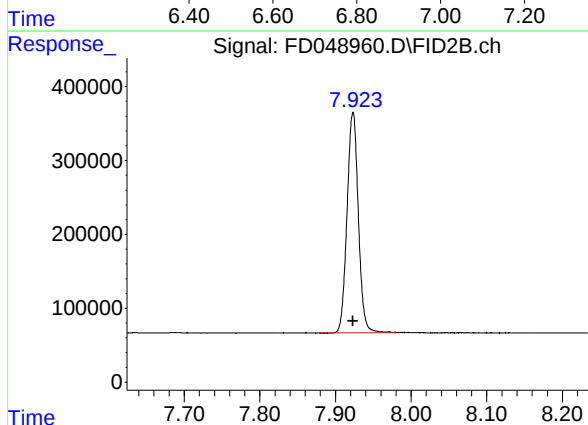
R.T.: 6.143 min
Delta R.T.: 0.000 min
Response: 3120092
Conc: 18.84 ug/ml



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

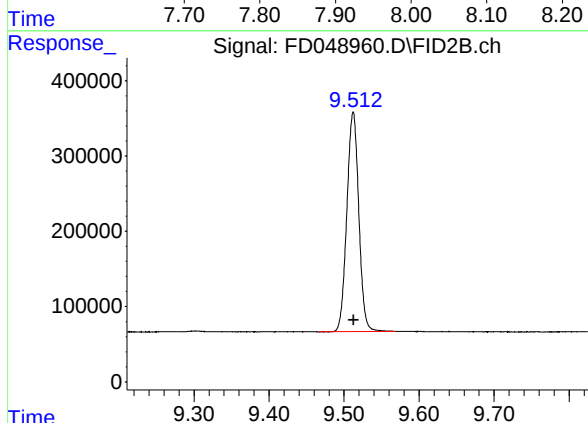
R.T.: 6.744 min
Delta R.T.: 0.000 min
Response: 3110615
Conc: 19.30 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



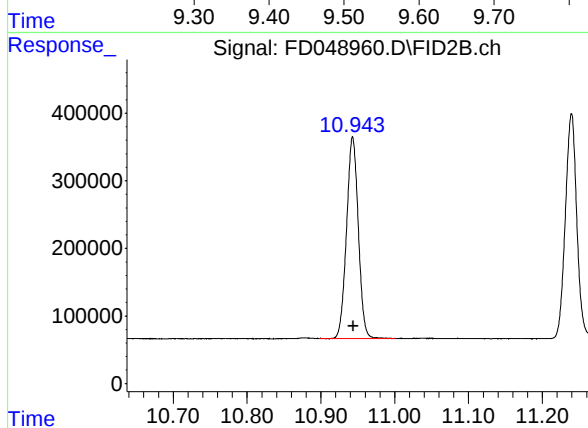
#6 n-Tetradecane (C14)

R.T.: 7.923 min
Delta R.T.: 0.000 min
Response: 3101427
Conc: 18.76 ug/ml



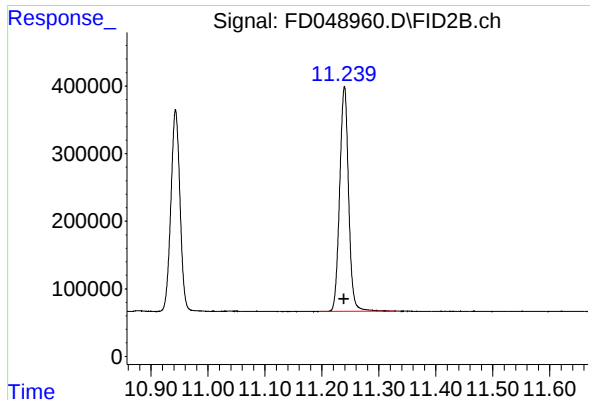
#7 n-Hexadecane (C16)

R.T.: 9.512 min
Delta R.T.: 0.000 min
Response: 3232715
Conc: 18.75 ug/ml



#8 n-Octadecane (C18)

R.T.: 10.943 min
Delta R.T.: -0.001 min
Response: 3303846
Conc: 18.74 ug/ml



#9 ortho-Terphenyl (SURR)

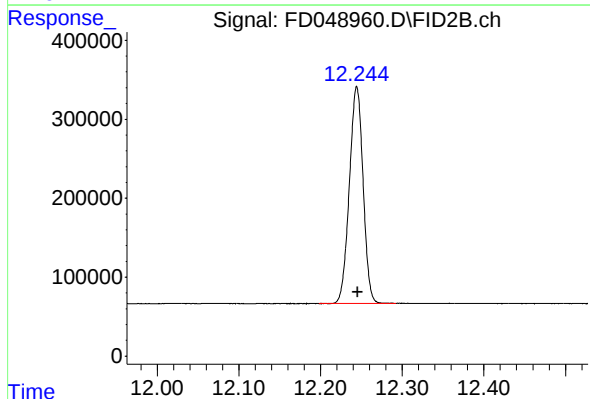
R.T.: 11.240 min
Delta R.T.: 0.000 min
Response: 3617096
Conc: 18.73 ug/ml

Instrument :

FID_D

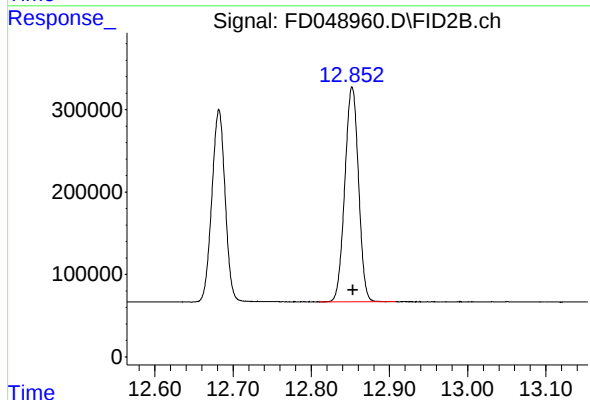
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



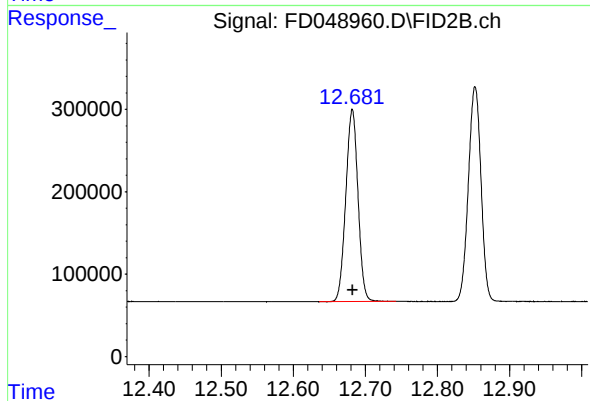
#10 n-Eicosane (C20)

R.T.: 12.244 min
Delta R.T.: 0.000 min
Response: 3207234
Conc: 18.64 ug/ml



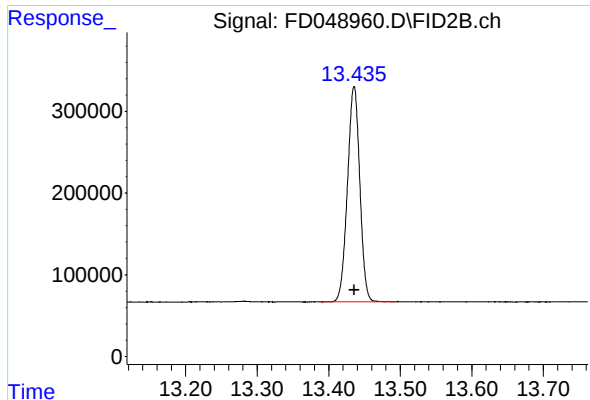
#11 n-Heneicosane (C21)

R.T.: 12.852 min
Delta R.T.: -0.001 min
Response: 3175256
Conc: 18.65 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.682 min
Delta R.T.: 0.000 min
Response: 2744267
Conc: 18.70 ug/ml



#13 n-Docosane (C22)

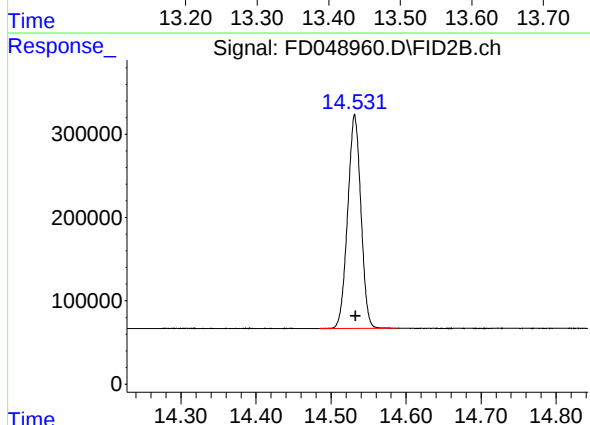
R.T.: 13.436 min
Delta R.T.: 0.000 min
Response: 3161587
Conc: 18.59 ug/ml

Instrument :

FID_D

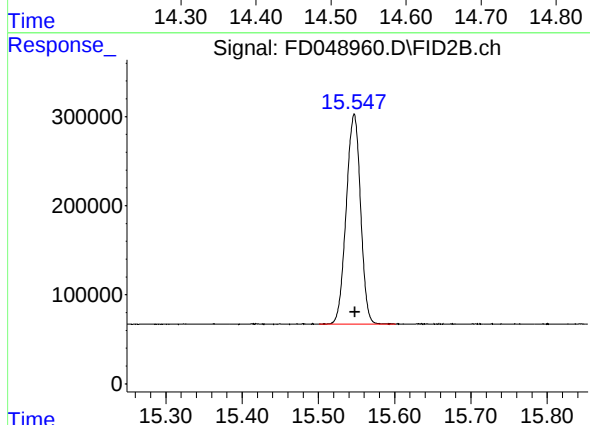
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



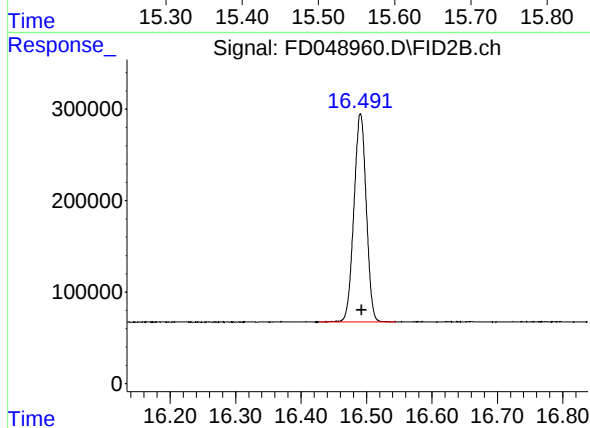
#14 n-Tetracosane (C24)

R.T.: 14.532 min
Delta R.T.: -0.001 min
Response: 3146448
Conc: 18.47 ug/ml



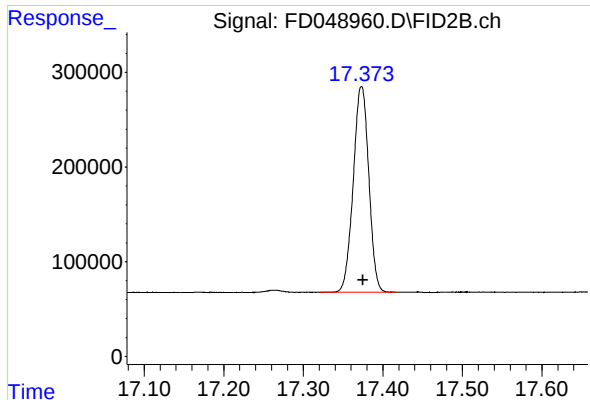
#15 n-Hexacosane (C26)

R.T.: 15.547 min
Delta R.T.: 0.000 min
Response: 3080079
Conc: 18.39 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.491 min
Delta R.T.: -0.002 min
Response: 2984549
Conc: 17.94 ug/ml



#17 n-Tricontane (C30)

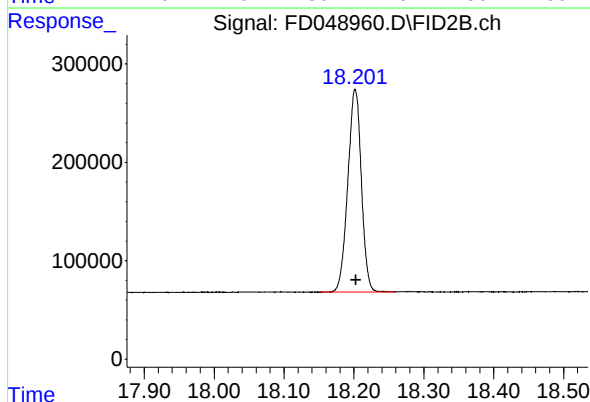
R.T.: 17.373 min
Delta R.T.: -0.002 min
Response: 2951630
Conc: 17.20 ug/ml

Instrument :

FID_D

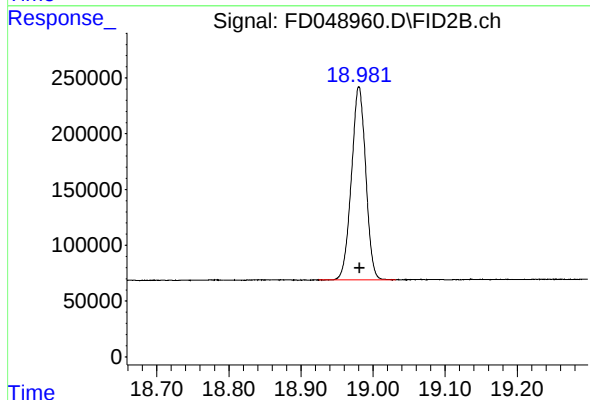
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



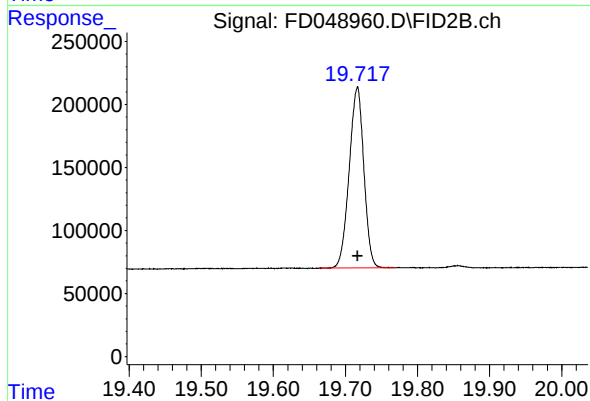
#18 n-Dotriacontane (C32)

R.T.: 18.202 min
Delta R.T.: -0.001 min
Response: 2777498
Conc: 16.99 ug/ml



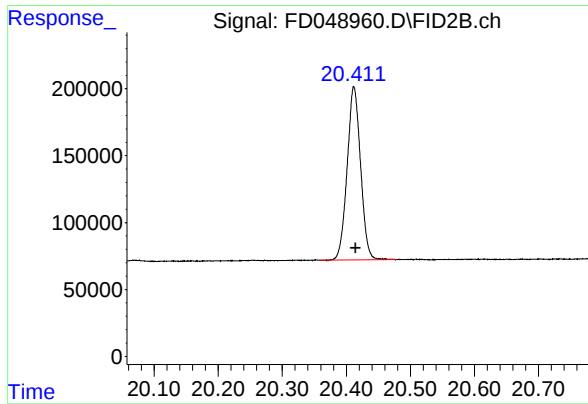
#19 n-Tetatriacontane (C34)

R.T.: 18.980 min
Delta R.T.: -0.001 min
Response: 2392354
Conc: 17.17 ug/ml



#20 n-Hexatriacontane (C36)

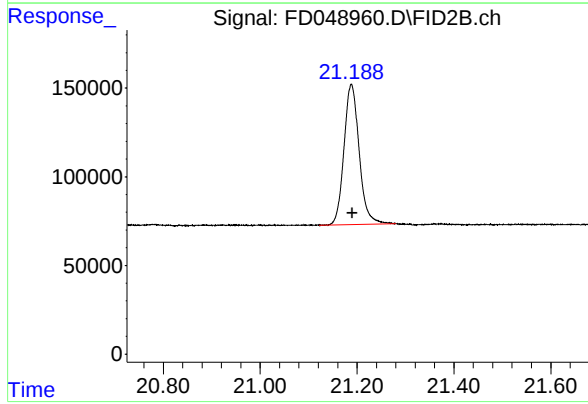
R.T.: 19.717 min
Delta R.T.: 0.000 min
Response: 2030247
Conc: 17.66 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.412 min
Delta R.T.: -0.003 min
Response: 1876840
Conc: 18.11 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



#22 n-Tetracontane (C40)

R.T.: 21.188 min
Delta R.T.: -0.002 min
Response: 1721720
Conc: 17.96 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD012425AL\
 Data File : FD048960.D
 Signal(s) : FID2B.ch
 Acq On : 24 Jan 2025 17:53
 Sample : 20 PPM ALIPHATIC HC STD ICV
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 012425.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	3.107	3.070	3.177	BB	364002	3024644	83.62%	4.718%
2	4.151	4.113	4.227	BB	349455	3075772	85.03%	4.798%
3	5.698	5.663	5.820	BBA	307235	3273838	90.51%	5.107%
4	6.143	6.100	6.207	BB	312330	3120092	86.26%	4.867%
5	6.744	6.710	6.893	BB	250974	3110615	86.00%	4.852%
6	7.923	7.878	7.980	BB	298815	3101427	85.74%	4.838%
7	9.512	9.467	9.569	BB	291964	3232715	89.37%	5.042%
8	10.943	10.897	11.002	BB	298500	3303846	91.34%	5.153%
9	11.240	11.195	11.330	BB	332712	3617096	100.00%	5.642%
10	12.244	12.198	12.292	BB	274939	3207234	88.67%	5.003%
11	12.682	12.636	12.742	BB	233545	2744267	75.87%	4.281%
12	12.852	12.810	12.908	BB	260510	3175256	87.78%	4.953%
13	13.436	13.387	13.494	BB	263841	3161587	87.41%	4.932%
14	14.532	14.484	14.587	BB	257104	3146448	86.99%	4.908%
15	15.547	15.501	15.602	BB	236073	3080079	85.15%	4.804%
16	16.491	16.427	16.545	BB	227675	2984549	82.51%	4.655%
17	17.373	17.320	17.417	BB	217336	2951630	81.60%	4.604%
18	18.202	18.150	18.260	BB	206086	2777498	76.79%	4.332%
19	18.980	18.925	19.032	BB	173015	2392354	66.14%	3.732%
20	19.717	19.663	19.770	BB	143508	2030247	56.13%	3.167%
21	20.412	20.357	20.477	BB	129527	1876840	51.89%	2.928%
22	21.188	21.122	21.280	BBA	79161	1721720	47.60%	2.686%
Sum of corrected areas:							64109754	

Aliphatic EPH 012425.M Sat Jan 25 06:11:25 2025