

Initial Calibration Report for SequenceID : FD072023AL

AreaCount

Parameter Range	FD046142.D	FD046143.D	FD046144.D	FD046145.D	FD046146.D	
Aliphatic C9-C12	44234562.000	22319889.000	9677291.000	5146189.000	2561150.000	
Aliphatic C12-C16	29953590.000	15096362.000	6514213.000	3428363.000	1695301.000	
Aliphatic C16-C21	42889606.000	21467095.000	9228600.000	4816668.000	2366431.000	
Aliphatic C21-C28	49666507.000	24624922.000	10629931.000	5585070.000	2779904.000	
Aliphatic C28-C40	65879747.000	33062992.000	14249340.000	7518597.000	3782822.000	
Aliphatic EPH	232624012.000	116571260.000	50299375.000	26494887.000	13185608.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aliphatic C9-C12	159963.7899998	7.218				
Aliphatic C12-C16	160907.029	6.304				
Aliphatic C16-C21	151641.397333	5.414				
Aliphatic C21-C28	131757.393	5.973				
Aliphatic C28-C40	118031.6136664	6.663				
Aliphatic EPH	138436.0485552	6.334				

Concentration

Parameter Range	FD046142.D	FD046143.D	FD046144.D	FD046145.D	FD046146.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	FD046142.D	FD046143.D	FD046144.D	FD046145.D	FD046146.D	
Aliphatic C9-C12	147448.540000	148799.260000	161288.183333	171539.633333	170743.333333	
Aliphatic C12-C16	149767.950000	150963.620000	162855.325000	171418.150000	169530.100000	
Aliphatic C16-C21	142965.353333	143113.966666	153810.000000	160555.600000	157762.066666	
Aliphatic C21-C28	124166.267500	123124.610000	132874.137500	139626.750000	138995.200000	
Aliphatic C28-C40	109799.578333	110209.973333	118744.500000	125309.950000	126094.066666	



284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Initial Calibration Report for SequenceID : FD072023AL

Aliphatic EPH	129235.562222	129523.622222	139720.486111	147193.816666	146506.755555	
---------------	---------------	---------------	---------------	---------------	---------------	--

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD072023AL\
 Data File : FD046142.D
 Signal(s) : FID2B.ch
 Acq On : 20 Jul 2023 10:57
 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: Jul 20 13:18:51 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 072023.M
 Quant Title : GC Extractables
 QLast Update : Thu Jul 20 13:18:25 2023
 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)	11.409	16344678	92.506 ug/ml
Spiked Amount 50.000		Recovery =	185.01%
12) S 1-chlorooctadecane (S...	12.840	11744366	96.166 ug/ml
Spiked Amount 50.000		Recovery =	192.33%
Target Compounds			
1) T n-Nonane (C9)	3.235	14500161	91.185 ug/ml
2) T n-Decane (C10)	4.289	14795453	91.404 ug/ml
3) T A~Naphthalene (C11.7)	5.852	16081725	91.234 ug/ml
4) T n-Dodecane (C12)	6.292	14938948	91.663 ug/ml
5) T A~2-methylnaphthalene...	6.902	15491590	92.666 ug/ml
6) T n-Tetradecane (C14)	8.077	14784917	91.991 ug/ml
7) T n-Hexadecane (C16)	9.669	15168673	91.938 ug/ml
8) T n-Octadecane (C18)	11.104	15100662	92.223 ug/ml
10) T n-Eicosane (C20)	12.401	14119185	93.211 ug/ml
11) T n-Heneicosane (C21)	13.010	13669759	93.491 ug/ml
13) T n-Docosane (C22)	13.592	13328244	94.026 ug/ml
14) T n-Tetracosane (C24)	14.686	12793415	92.655 ug/ml
15) T n-Hexacosane (C26)	15.699	12059514	93.756 ug/ml
16) T n-Octacosane (C28)	16.642	11485334	93.344 ug/ml
17) T n-Tricontane (C30)	17.522	11446100	91.286 ug/ml
18) T n-Dotriacontane (C32)	18.347	11301829	91.528 ug/ml
19) T n-Tetratriacontane (C34)	19.124	11443563	88.276 ug/ml
20) T n-Hexatriacontane (C36)	19.858	10961785	94.970 ug/ml
21) T n-Octatriacontane (C38)	20.558	10734528	96.082 ug/ml
22) T n-Tetracontane (C40)	21.376	9991942	93.539 ug/ml

(f)=RT Delta > 1/2 Window

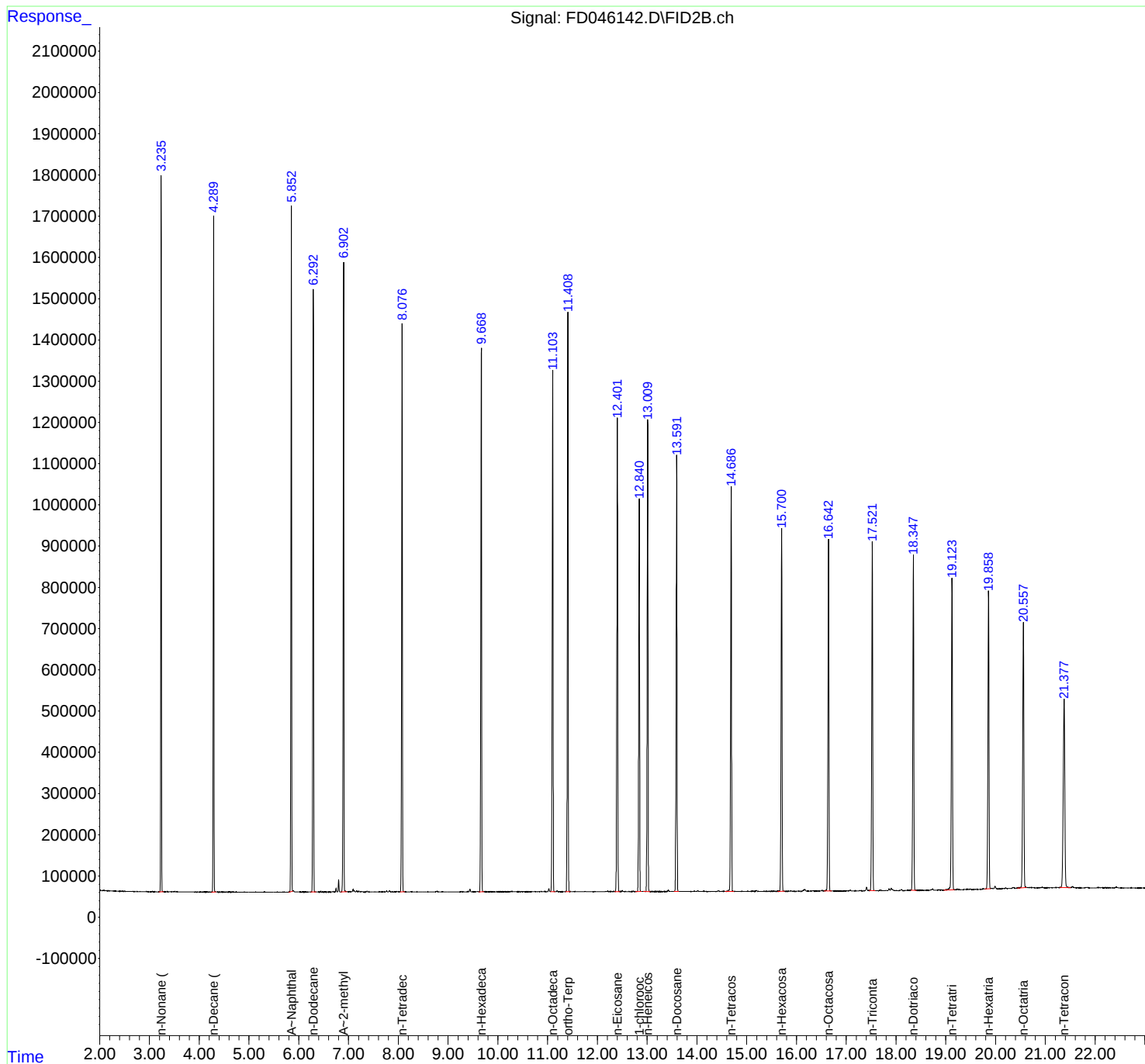
(m)=manual int.

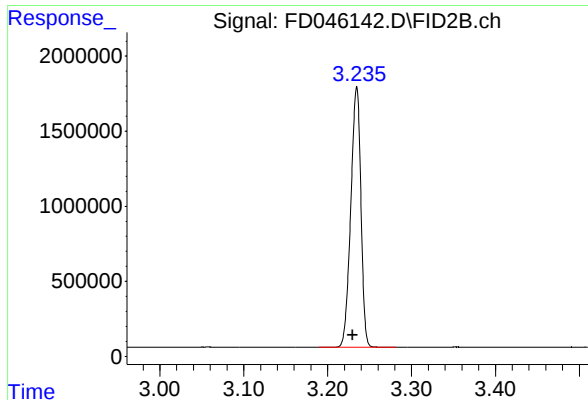
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD072023AL\
Data File : FD046142.D
Signal(s) : FID2B.ch
Acq On : 20 Jul 2023 10:57
Operator : YP/AJ
Sample : 100 PPM ALIPHATIC HC STD1
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
100 PPM ALIPHATIC HC STD1

Integration File: autoint1.e
Quant Time: Jul 20 13:18:51 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 072023.M
Quant Title : GC Extractables
QLast Update : Thu Jul 20 13:18:25 2023
Response via : Initial Calibration
Integrator: ChemStation

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

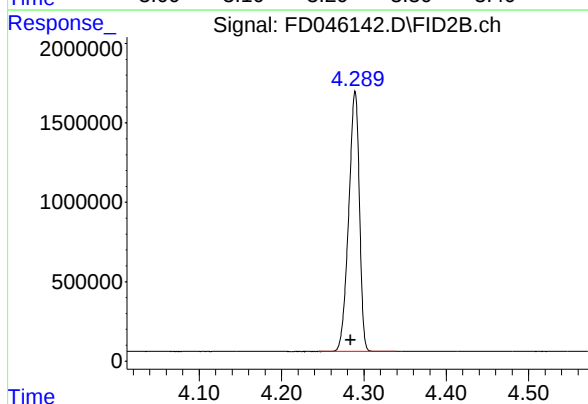




#1 n-Nonane (C9)

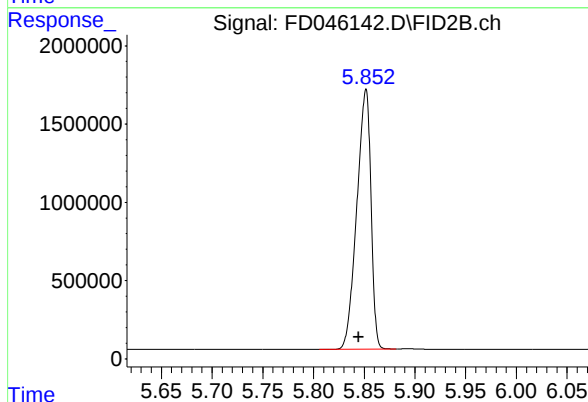
R.T.: 3.235 min
Delta R.T.: 0.005 min
Response: 14500161
Conc: 91.19 ug/ml

Instrument :
FID_D
ClientSampleId :
100 PPM ALIPHATIC HC STD1



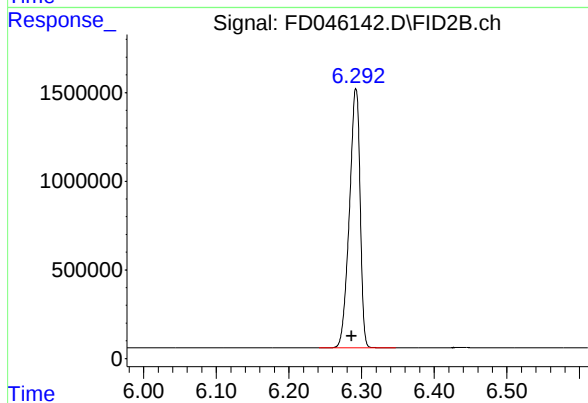
#2 n-Decane (C10)

R.T.: 4.289 min
Delta R.T.: 0.005 min
Response: 14795453
Conc: 91.40 ug/ml



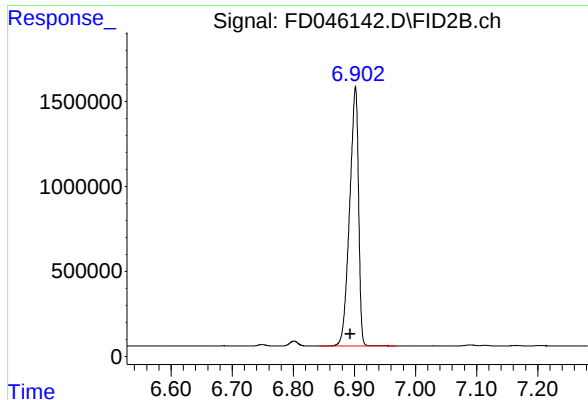
#3 A~Naphthalene (C11.7)

R.T.: 5.852 min
Delta R.T.: 0.007 min
Response: 16081725
Conc: 91.23 ug/ml



#4 n-Dodecane (C12)

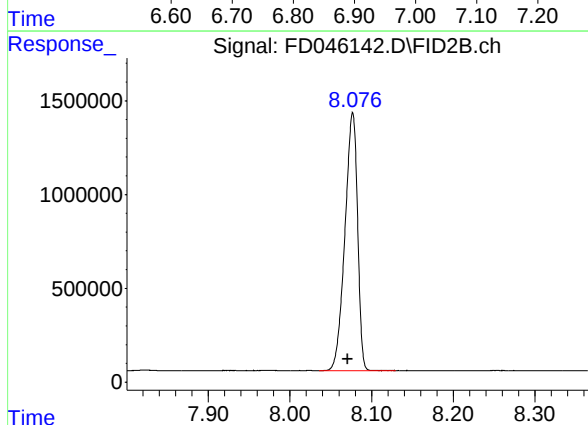
R.T.: 6.292 min
Delta R.T.: 0.006 min
Response: 14938948
Conc: 91.66 ug/ml



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

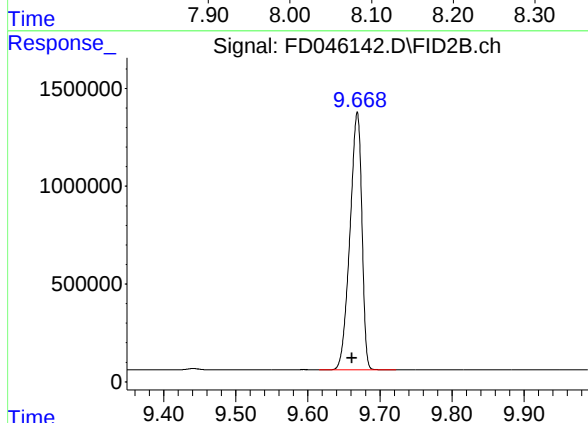
R.T.: 6.902 min
Delta R.T.: 0.008 min
Response: 15491590
Conc: 92.67 ug/ml

Instrument :
FID_D
ClientSampleId :
100 PPM ALIPHATIC HC STD1



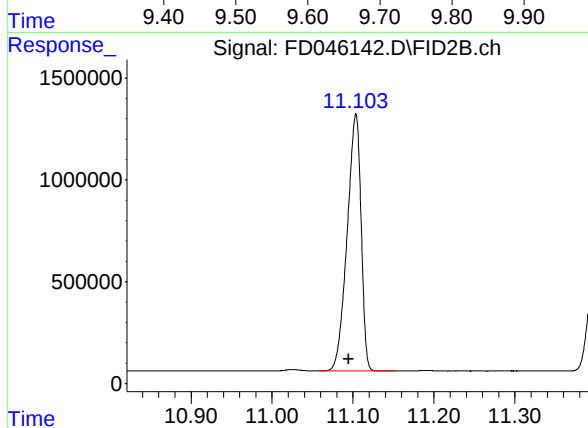
#6 n-Tetradecane (C14)

R.T.: 8.077 min
Delta R.T.: 0.006 min
Response: 14784917
Conc: 91.99 ug/ml



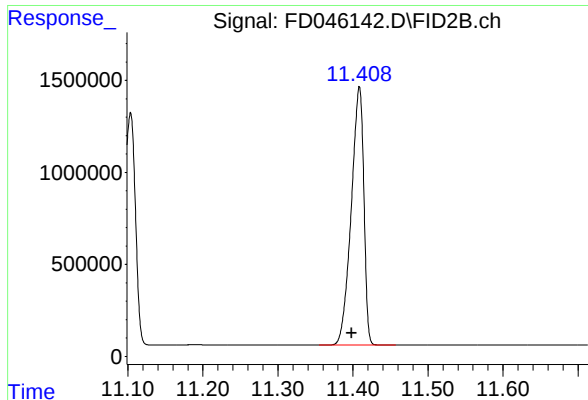
#7 n-Hexadecane (C16)

R.T.: 9.669 min
Delta R.T.: 0.007 min
Response: 15168673
Conc: 91.94 ug/ml



#8 n-Octadecane (C18)

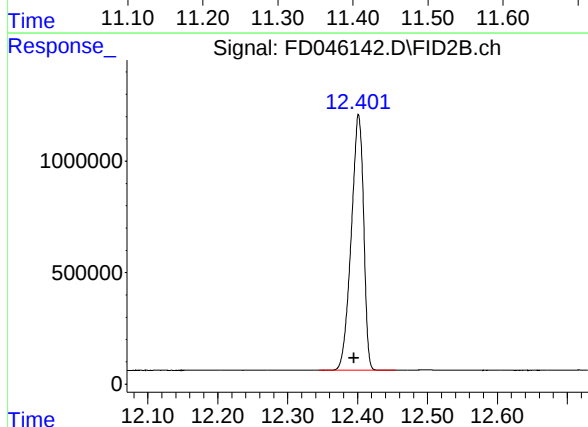
R.T.: 11.104 min
Delta R.T.: 0.009 min
Response: 15100662
Conc: 92.22 ug/ml



#9 ortho-Terphenyl (SURR)

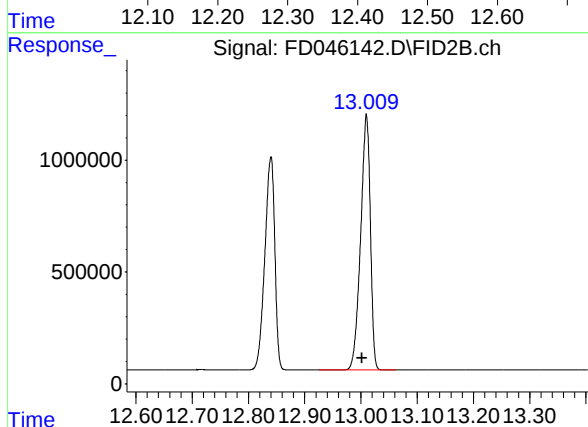
R.T.: 11.409 min
Delta R.T.: 0.010 min
Response: 16344678
Conc: 92.51 ug/ml

Instrument :
FID_D
ClientSampleId :
100 PPM ALIPHATIC HC STD1



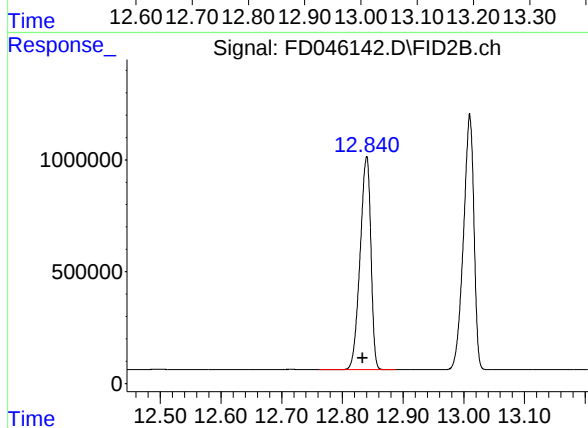
#10 n-Eicosane (C20)

R.T.: 12.401 min
Delta R.T.: 0.007 min
Response: 14119185
Conc: 93.21 ug/ml



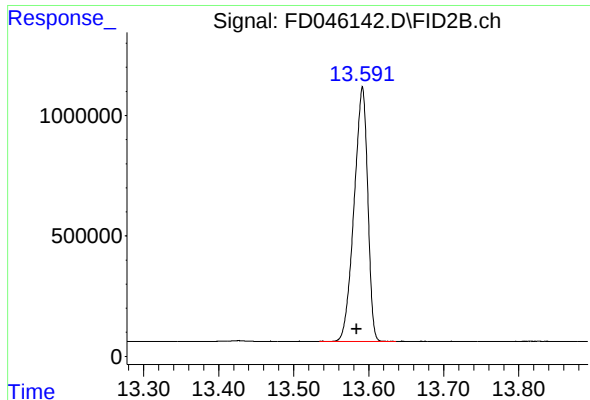
#11 n-Heneicosane (C21)

R.T.: 13.010 min
Delta R.T.: 0.008 min
Response: 13669759
Conc: 93.49 ug/ml



#12 1-chlorooctadecane (SURR)

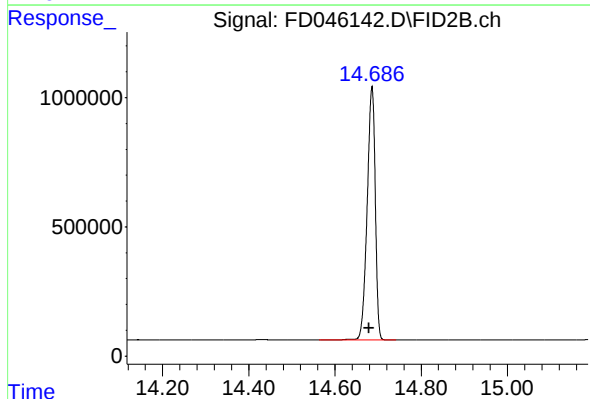
R.T.: 12.840 min
Delta R.T.: 0.007 min
Response: 11744366
Conc: 96.17 ug/ml



#13 n-Docosane (C22)

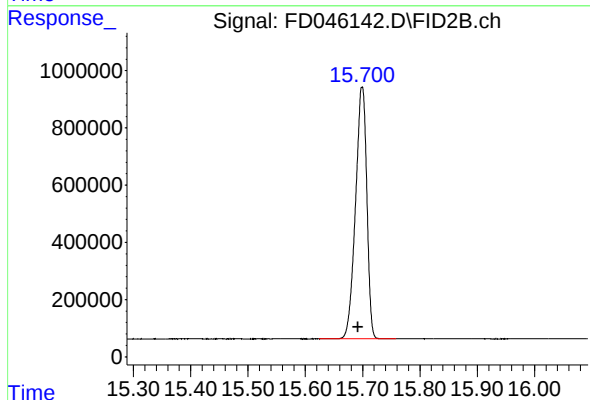
R.T.: 13.592 min
Delta R.T.: 0.008 min
Response: 13328244
Conc: 94.03 ug/ml

Instrument :
FID_D
ClientSampleId :
100 PPM ALIPHATIC HC STD1



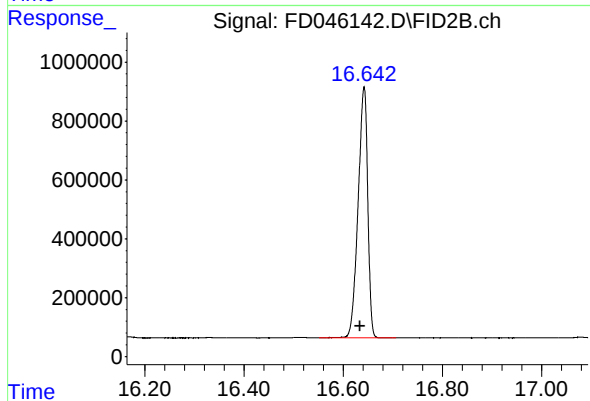
#14 n-Tetracosane (C24)

R.T.: 14.686 min
Delta R.T.: 0.007 min
Response: 12793415
Conc: 92.65 ug/ml



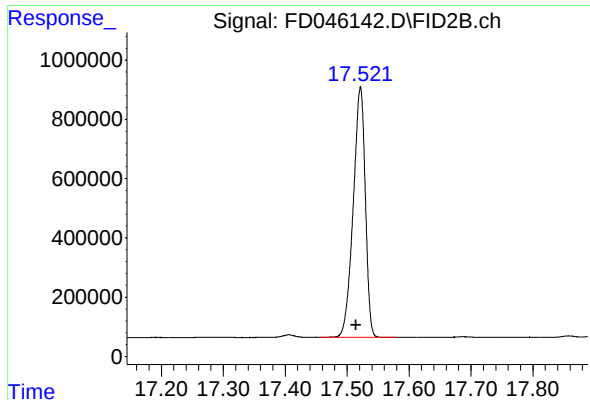
#15 n-Hexacosane (C26)

R.T.: 15.699 min
Delta R.T.: 0.007 min
Response: 12059514
Conc: 93.76 ug/ml



#16 n-Octacosane (C28)

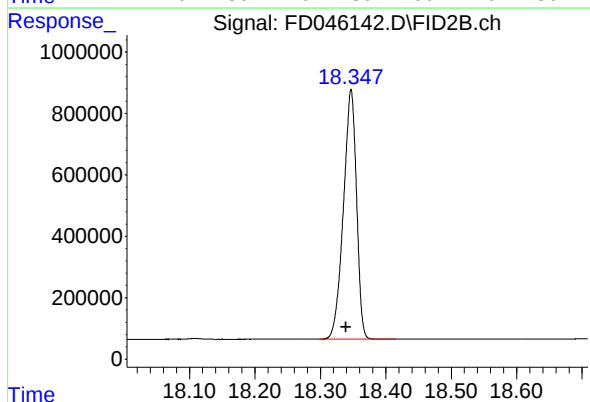
R.T.: 16.642 min
Delta R.T.: 0.008 min
Response: 11485334
Conc: 93.34 ug/ml



#17 n-Tricontane (C30)

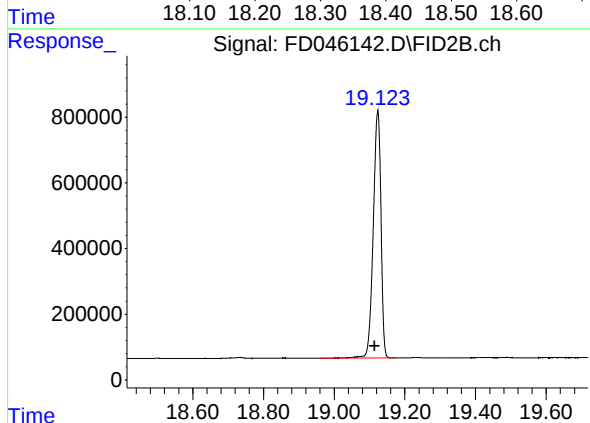
R.T.: 17.522 min
Delta R.T.: 0.007 min
Response: 11446100
Conc: 91.29 ug/ml

Instrument :
FID_D
ClientSampleId :
100 PPM ALIPHATIC HC STD1



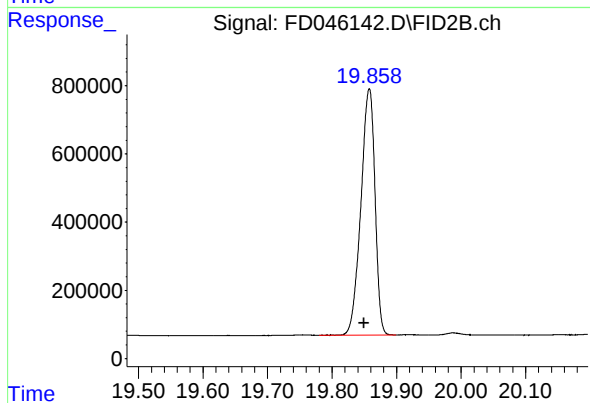
#18 n-Dotriacontane (C32)

R.T.: 18.347 min
Delta R.T.: 0.008 min
Response: 11301829
Conc: 91.53 ug/ml



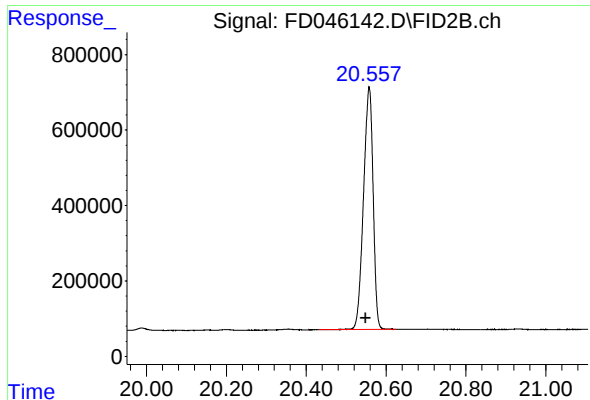
#19 n-Tetatriacontane (C34)

R.T.: 19.124 min
Delta R.T.: 0.009 min
Response: 11443563
Conc: 88.28 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.858 min
Delta R.T.: 0.008 min
Response: 10961785
Conc: 94.97 ug/ml



#21 n-Octatriacontane (C38)

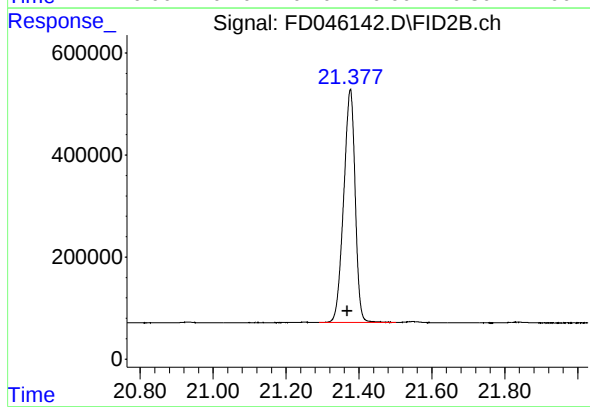
R.T.: 20.558 min
Delta R.T.: 0.008 min
Response: 10734528
Conc: 96.08 ug/ml

Instrument :

FID_D

ClientSampleId :

100 PPM ALIPHATIC HC STD1



#22 n-Tetracontane (C40)

R.T.: 21.376 min
Delta R.T.: 0.008 min
Response: 9991942
Conc: 93.54 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD072023AL\
 Data File : FD046142.D
 Signal(s) : FID2B.ch
 Acq On : 20 Jul 2023 10:57
 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 072023.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	3.235	3.190	3.281	BB	1737131	14500161	88.71%	4.961%
2	4.289	4.246	4.339	BB	1639841	14795453	90.52%	5.062%
3	5.852	5.806	5.881	BV	1660649	16081725	98.39%	5.502%
4	6.292	6.241	6.347	BB	1460297	14938948	91.40%	5.111%
5	6.902	6.842	6.968	BB	1525095	15491590	94.78%	5.300%
6	8.077	8.036	8.130	BB	1376628	14784917	90.46%	5.058%
7	9.669	9.616	9.722	BB	1319156	15168673	92.80%	5.190%
8	11.104	11.058	11.153	VB	1263390	15100662	92.39%	5.166%
9	11.409	11.355	11.457	BB	1405038	16344678	100.00%	5.592%
10	12.401	12.345	12.455	BB	1146592	14119185	86.38%	4.831%
11	12.840	12.761	12.888	BB	952211	11744366	71.85%	4.018%
12	13.010	12.926	13.062	BB	1142272	13669759	83.63%	4.677%
13	13.592	13.534	13.636	BB	1057575	13328244	81.54%	4.560%
14	14.686	14.563	14.741	BB	979211	12793415	78.27%	4.377%
15	15.699	15.624	15.758	BB	878972	12059514	73.78%	4.126%
16	16.642	16.551	16.706	BB	852671	11485334	70.27%	3.929%
17	17.522	17.455	17.579	BB	846343	11446100	70.03%	3.916%
18	18.347	18.298	18.416	BB	814119	11301829	69.15%	3.867%
19	19.124	18.957	19.175	BB	756114	11443563	70.01%	3.915%
20	19.858	19.780	19.899	BB	722757	10961785	67.07%	3.750%
21	20.558	20.432	20.625	BB	641783	10734528	65.68%	3.673%
22	21.376	21.291	21.501	BB	456827	9991942	61.13%	3.419%
Sum of corrected areas:						292286370		

Aliphatic EPH 072023.M Fri Jul 21 02:23:58 2023

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD072023AL\
 Data File : FD046143.D
 Signal(s) : FID2B.ch
 Acq On : 20 Jul 2023 11:40
 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: Jul 20 13:19:05 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 072023.M
 Quant Title : GC Extractables
 QLast Update : Thu Jul 20 13:18:25 2023
 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)	11.403	8176358	46.276 ug/ml
Spiked Amount 50.000		Recovery =	92.55%
12) S 1-chlorooctadecane (S...	12.836	5784613	47.366 ug/ml
Spiked Amount 50.000		Recovery =	94.73%
Target Compounds			
1) T n-Nonane (C9)	3.232	7318247	46.021 ug/ml
2) T n-Decane (C10)	4.286	7468762	46.141 ug/ml
3) T A~Naphthalene (C11.7)	5.847	8093725	45.917 ug/ml
4) T n-Dodecane (C12)	6.289	7532880	46.221 ug/ml
5) T A~2-methylnaphthalene...	6.896	7779199	46.533 ug/ml
6) T n-Tetradecane (C14)	8.073	7452781	46.371 ug/ml
7) T n-Hexadecane (C16)	9.665	7643581	46.328 ug/ml
8) T n-Octadecane (C18)	11.098	7594140	46.379 ug/ml
10) T n-Eicosane (C20)	12.398	7062518	46.625 ug/ml
11) T n-Heneicosane (C21)	13.005	6810437	46.579 ug/ml
13) T n-Docosane (C22)	13.586	6622010	46.716 ug/ml
14) T n-Tetracosane (C24)	14.682	6357737	46.045 ug/ml
15) T n-Hexacosane (C26)	15.695	5961559	46.348 ug/ml
16) T n-Octacosane (C28)	16.636	5683616	46.192 ug/ml
17) T n-Tricontane (C30)	17.516	5735879	45.745 ug/ml
18) T n-Dotriacontane (C32)	18.342	5669468	45.914 ug/ml
19) T n-Tetratriacontane (C34)	19.119	5890484	45.439 ug/ml
20) T n-Hexatriacontane (C36)	19.853	5457100	47.279 ug/ml
21) T n-Octatriacontane (C38)	20.554	5312163	47.548 ug/ml
22) T n-Tetracontane (C40)	21.372	4997898	46.788 ug/ml

(f)=RT Delta > 1/2 Window

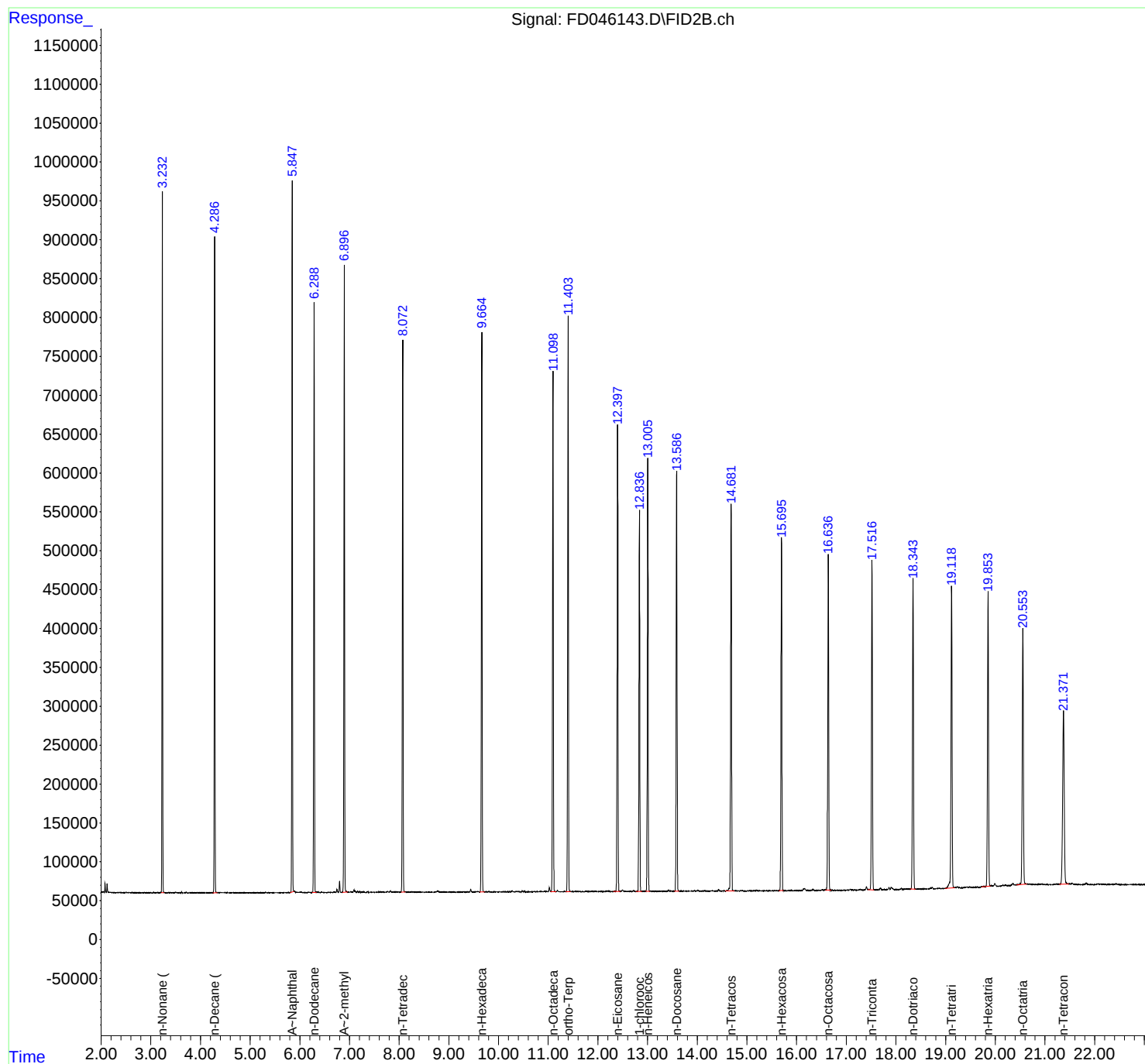
(m)=manual int.

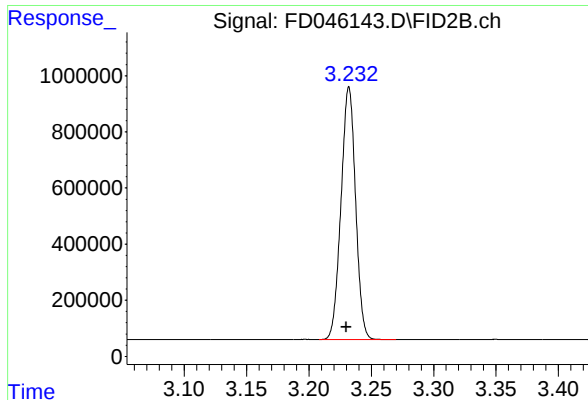
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD072023AL\
Data File : FD046143.D
Signal(s) : FID2B.ch
Acq On : 20 Jul 2023 11:40
Operator : YP/AJ
Sample : 50 PPM ALIPHATIC HC STD2
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
50 PPM ALIPHATIC HC STD2

Integration File: autoint1.e
Quant Time: Jul 20 13:19:05 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 072023.M
Quant Title : GC Extractables
QLast Update : Thu Jul 20 13:18:25 2023
Response via : Initial Calibration
Integrator: ChemStation

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

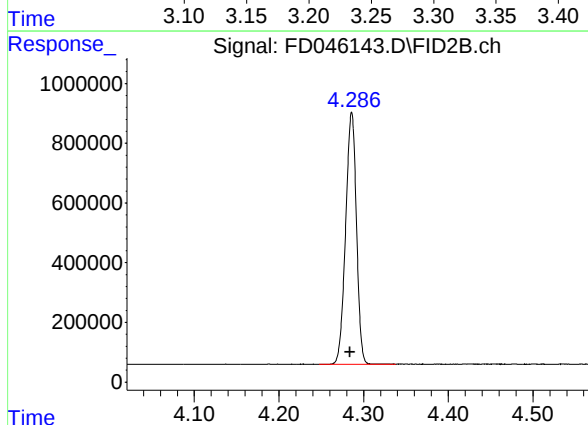




#1 n-Nonane (C9)

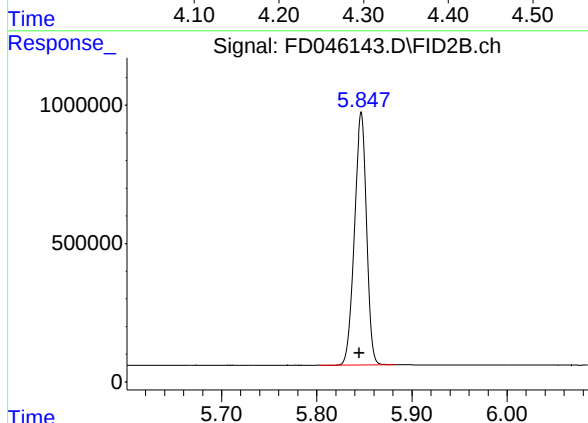
R.T.: 3.232 min
Delta R.T.: 0.002 min
Response: 7318247
Conc: 46.02 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM ALIPHATIC HC STD2



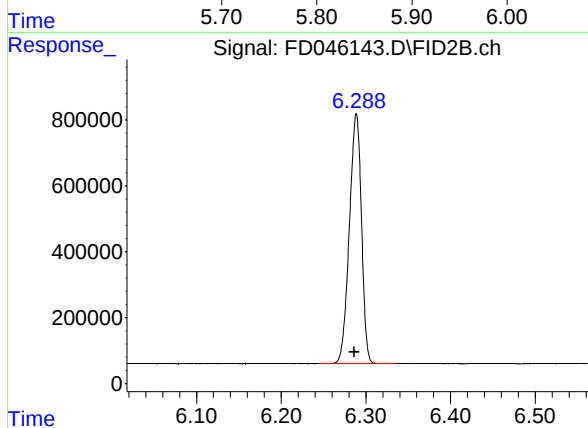
#2 n-Decane (C10)

R.T.: 4.286 min
Delta R.T.: 0.002 min
Response: 7468762
Conc: 46.14 ug/ml



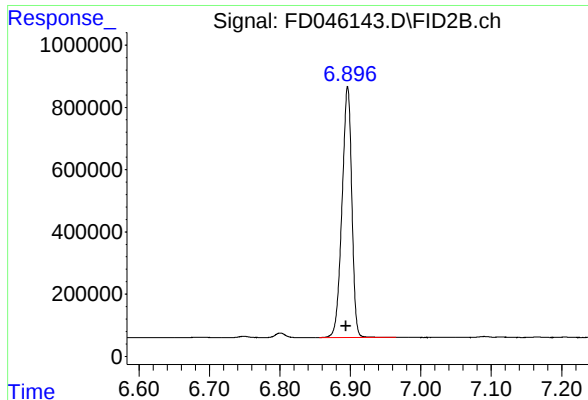
#3 A~Naphthalene (C11.7)

R.T.: 5.847 min
Delta R.T.: 0.002 min
Response: 8093725
Conc: 45.92 ug/ml



#4 n-Dodecane (C12)

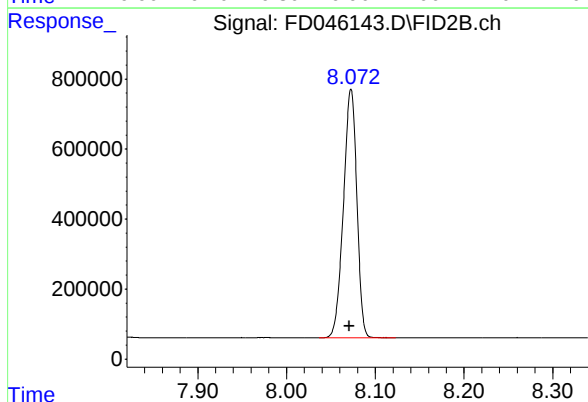
R.T.: 6.289 min
Delta R.T.: 0.003 min
Response: 7532880
Conc: 46.22 ug/ml



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

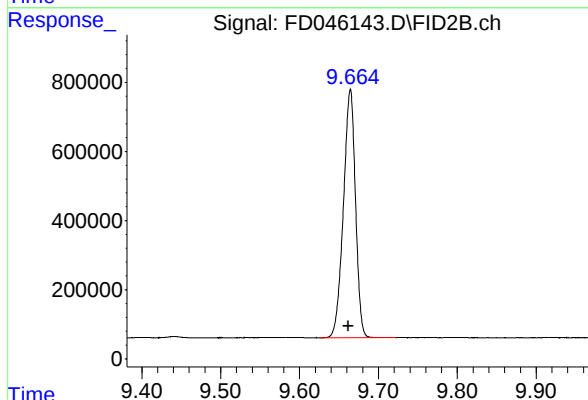
R.T.: 6.896 min
Delta R.T.: 0.003 min
Response: 7779199
Conc: 46.53 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM ALIPHATIC HC STD2



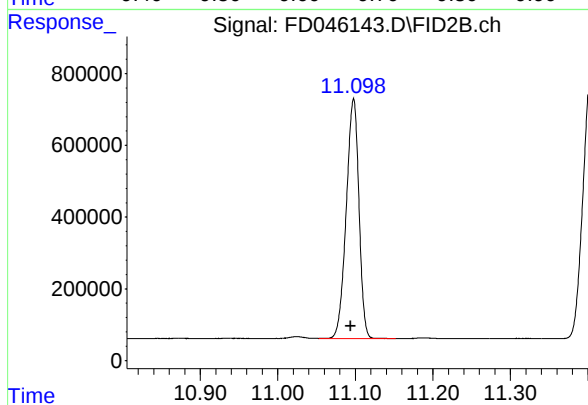
#6 n-Tetradecane (C14)

R.T.: 8.073 min
Delta R.T.: 0.002 min
Response: 7452781
Conc: 46.37 ug/ml



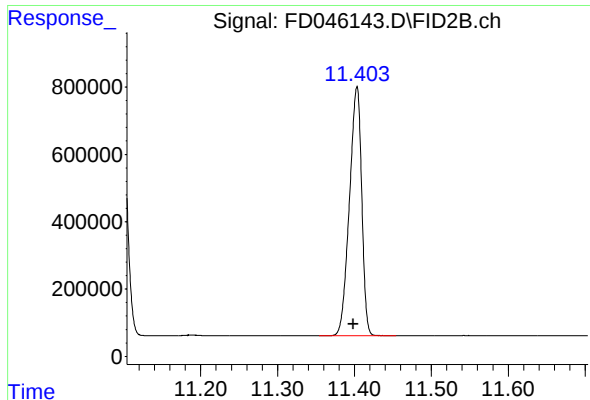
#7 n-Hexadecane (C16)

R.T.: 9.665 min
Delta R.T.: 0.003 min
Response: 7643581
Conc: 46.33 ug/ml



#8 n-Octadecane (C18)

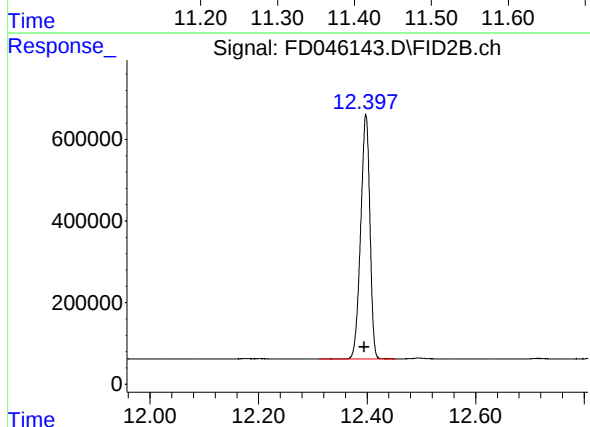
R.T.: 11.098 min
Delta R.T.: 0.004 min
Response: 7594140
Conc: 46.38 ug/ml



#9 ortho-Terphenyl (SURR)

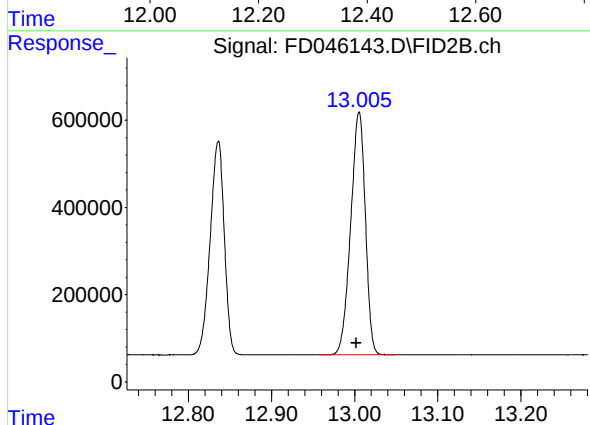
R.T.: 11.403 min
Delta R.T.: 0.005 min
Response: 8176358
Conc: 46.28 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM ALIPHATIC HC STD2



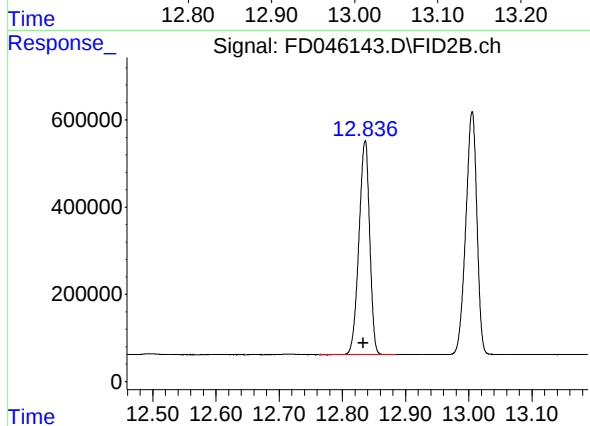
#10 n-Eicosane (C20)

R.T.: 12.398 min
Delta R.T.: 0.003 min
Response: 7062518
Conc: 46.63 ug/ml



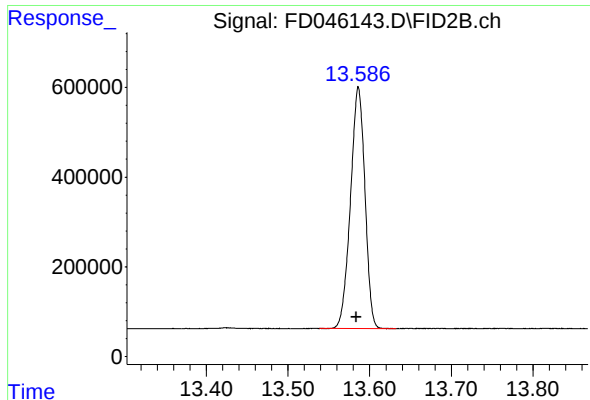
#11 n-Heneicosane (C21)

R.T.: 13.005 min
Delta R.T.: 0.003 min
Response: 6810437
Conc: 46.58 ug/ml



#12 1-chlorooctadecane (SURR)

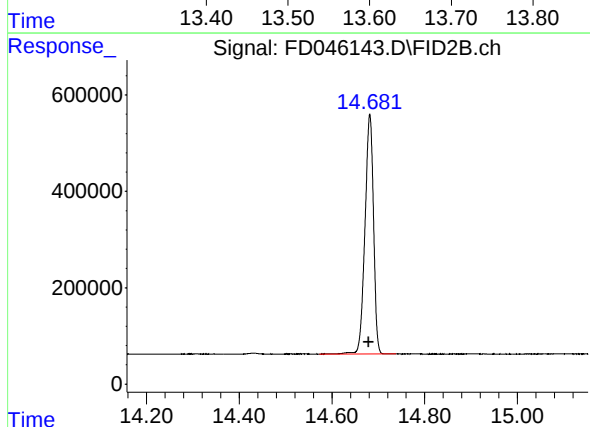
R.T.: 12.836 min
Delta R.T.: 0.003 min
Response: 5784613
Conc: 47.37 ug/ml



#13 n-Docosane (C22)

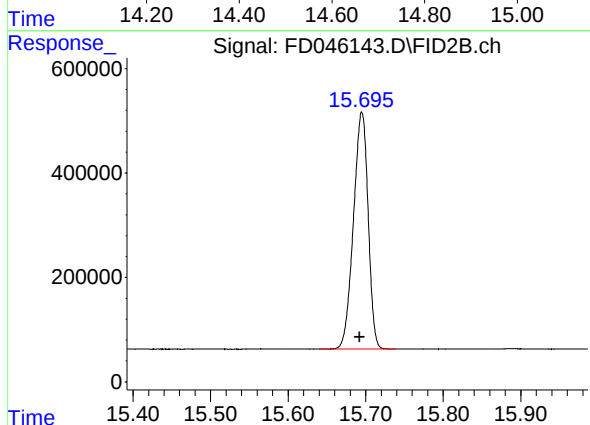
R.T.: 13.586 min
Delta R.T.: 0.003 min
Response: 6622010
Conc: 46.72 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM ALIPHATIC HC STD2



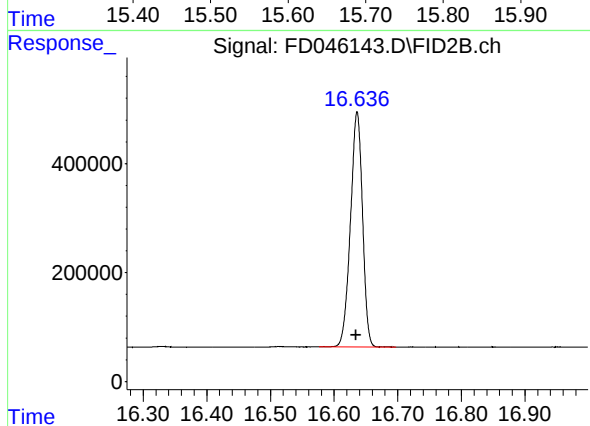
#14 n-Tetracosane (C24)

R.T.: 14.682 min
Delta R.T.: 0.003 min
Response: 6357737
Conc: 46.05 ug/ml



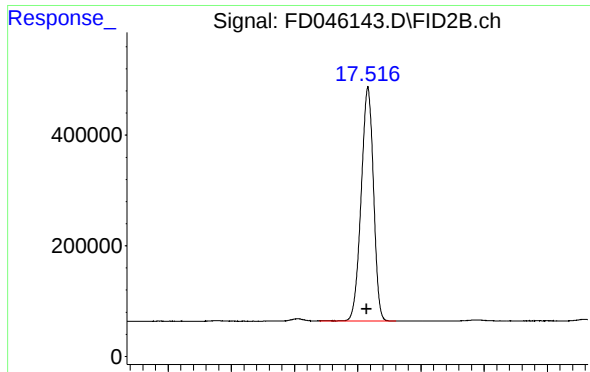
#15 n-Hexacosane (C26)

R.T.: 15.695 min
Delta R.T.: 0.003 min
Response: 5961559
Conc: 46.35 ug/ml



#16 n-Octacosane (C28)

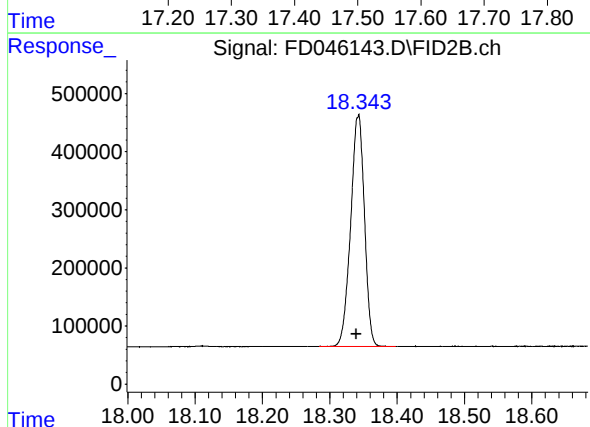
R.T.: 16.636 min
Delta R.T.: 0.002 min
Response: 5683616
Conc: 46.19 ug/ml



#17 n-Tricontane (C30)

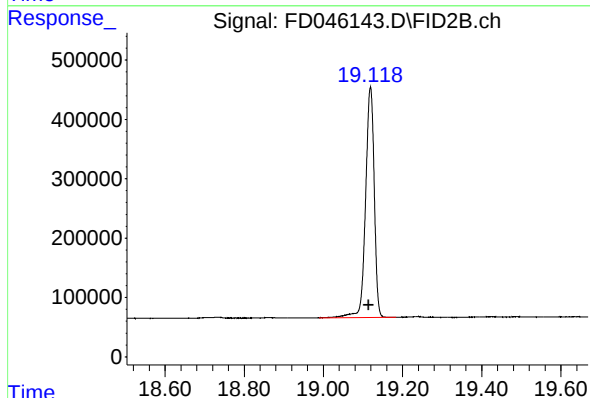
R.T.: 17.516 min
Delta R.T.: 0.002 min
Response: 5735879
Conc: 45.75 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM ALIPHATIC HC STD2



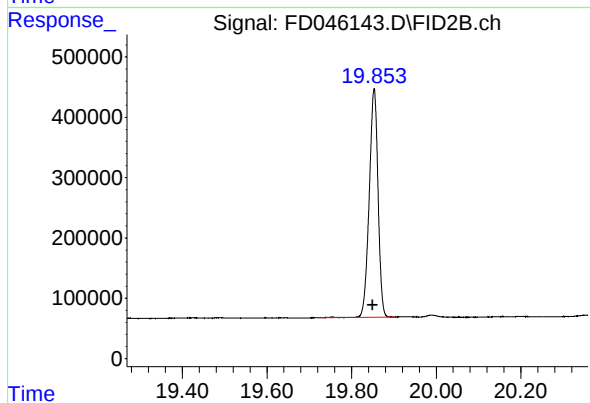
#18 n-Dotriacontane (C32)

R.T.: 18.342 min
Delta R.T.: 0.003 min
Response: 5669468
Conc: 45.91 ug/ml



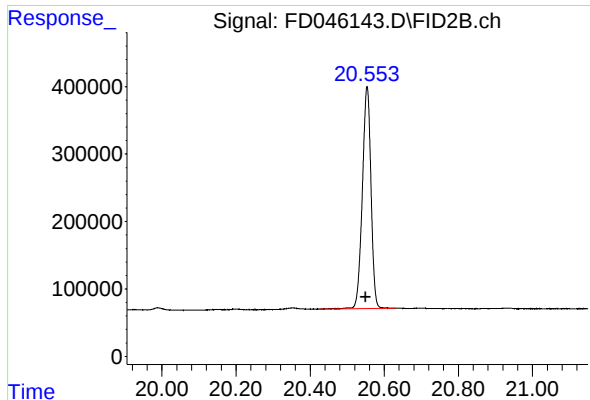
#19 n-Tetatriacontane (C34)

R.T.: 19.119 min
Delta R.T.: 0.004 min
Response: 5890484
Conc: 45.44 ug/ml



#20 n-Hexatriacontane (C36)

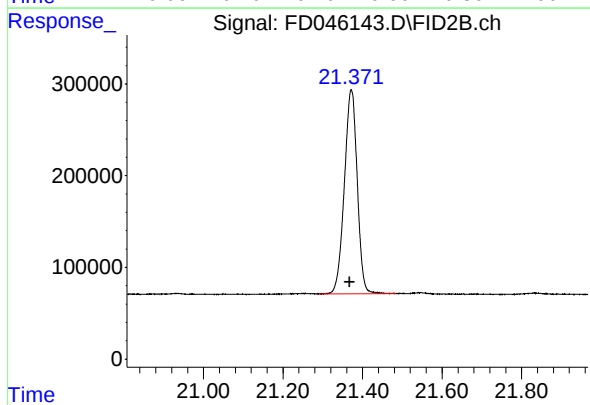
R.T.: 19.853 min
Delta R.T.: 0.004 min
Response: 5457100
Conc: 47.28 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.554 min
Delta R.T.: 0.004 min
Response: 5312163
Conc: 47.55 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM ALIPHATIC HC STD2



#22 n-Tetracontane (C40)

R.T.: 21.372 min
Delta R.T.: 0.004 min
Response: 4997898
Conc: 46.79 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD072023AL\
Data File : FD046143.D
Signal(s) : FID2B.ch
Acq On : 20 Jul 2023 11:40
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 072023.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	3.232	3.208	3.270	PB	901141	7318247	89.50%	4.999%
2	4.286	4.247	4.338	BB	843230	7468762	91.35%	5.101%
3	5.847	5.802	5.883	BV	915464	8093725	98.99%	5.528%
4	6.289	6.245	6.336	BB	758279	7532880	92.13%	5.145%
5	6.896	6.856	6.965	BB	805725	7779199	95.14%	5.313%
6	8.073	8.036	8.123	BB	709815	7452781	91.15%	5.091%
7	9.665	9.625	9.722	BB	720738	7643581	93.48%	5.221%
8	11.098	11.053	11.152	VB	669849	7594140	92.88%	5.187%
9	11.403	11.354	11.454	BB	738534	8176358	100.00%	5.585%
10	12.398	12.311	12.453	BB	597957	7062518	86.38%	4.824%
11	12.836	12.763	12.885	BB	490637	5784613	70.75%	3.951%
12	13.005	12.957	13.050	BB	557513	6810437	83.29%	4.652%
13	13.586	13.538	13.632	BB	538420	6622010	80.99%	4.523%
14	14.682	14.572	14.738	BB	497818	6357737	77.76%	4.343%
15	15.695	15.640	15.739	BB	453990	5961559	72.91%	4.072%
16	16.636	16.576	16.697	BB	432014	5683616	69.51%	3.882%
17	17.516	17.439	17.561	BB	424839	5735879	70.15%	3.918%
18	18.342	18.284	18.398	BB	396081	5669468	69.34%	3.872%
19	19.119	18.989	19.183	BB	388468	5890484	72.04%	4.023%
20	19.853	19.723	19.905	BB	378729	5457100	66.74%	3.727%
21	20.554	20.424	20.631	BB	329099	5312163	64.97%	3.628%
22	21.372	21.291	21.484	BB	222962	4997898	61.13%	3.414%
Sum of corrected areas:						146405154		

Aliphatic EPH 072023.M Fri Jul 21 02:24:47 2023

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD072023AL\
 Data File : FD046144.D
 Signal(s) : FID2B.ch
 Acq On : 20 Jul 2023 12:24
 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: Jul 20 13:19:18 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 072023.M
 Quant Title : GC Extractables
 QLast Update : Thu Jul 20 13:18:25 2023
 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)	11.399	3533757	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
12) S 1-chlorooctadecane (S...	12.833	2442529	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
Target Compounds			
1) T n-Nonane (C9)	3.230	3180366	20.000 ug/ml
2) T n-Decane (C10)	4.284	3237390	20.000 ug/ml
3) T A~Naphthalene (C11.7)	5.845	3525361	20.000 ug/ml
4) T n-Dodecane (C12)	6.286	3259535	20.000 ug/ml
5) T A~2-methylnaphthalene...	6.894	3343521	20.000 ug/ml
6) T n-Tetradecane (C14)	8.071	3214436	20.000 ug/ml
7) T n-Hexadecane (C16)	9.662	3299777	20.000 ug/ml
8) T n-Octadecane (C18)	11.094	3274823	20.000 ug/ml
10) T n-Eicosane (C20)	12.395	3029498	20.000 ug/ml
11) T n-Heneicosane (C21)	13.002	2924279	20.000 ug/ml
13) T n-Docosane (C22)	13.584	2835000	20.000 ug/ml
14) T n-Tetracosane (C24)	14.679	2761527	20.000 ug/ml
15) T n-Hexacosane (C26)	15.692	2572533	20.000 ug/ml
16) T n-Octacosane (C28)	16.634	2460871	20.000 ug/ml
17) T n-Tricontane (C30)	17.514	2507743	20.000 ug/ml
18) T n-Dotriacontane (C32)	18.339	2469580	20.000 ug/ml
19) T n-Tetratriacontane (C34)	19.115	2592677	20.000 ug/ml
20) T n-Hexatriacontane (C36)	19.849	2308463	20.000 ug/ml
21) T n-Octatriacontane (C38)	20.550	2234463	20.000 ug/ml
22) T n-Tetracontane (C40)	21.368	2136414	20.000 ug/ml

(f)=RT Delta > 1/2 Window

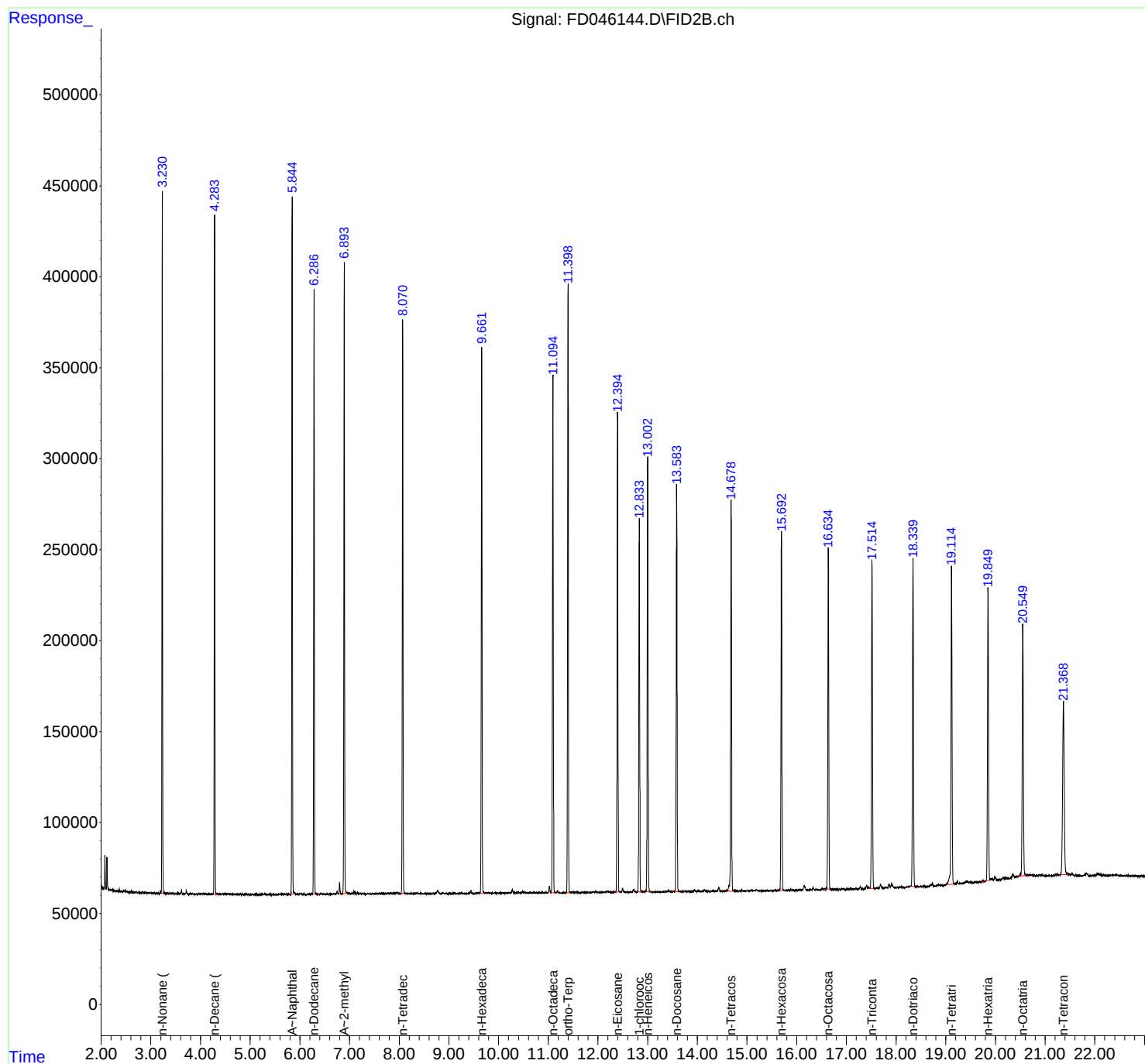
(m)=manual int.

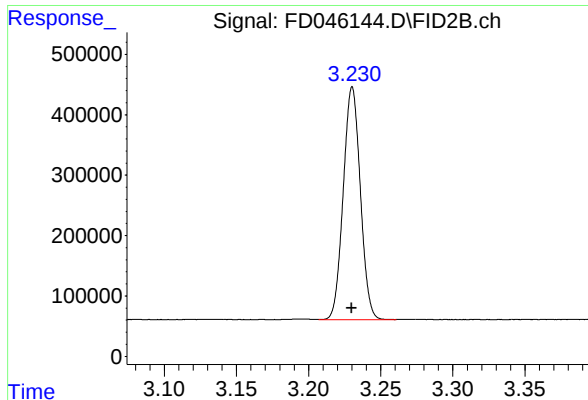
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD072023AL\
Data File : FD046144.D
Signal(s) : FID2B.ch
Acq On : 20 Jul 2023 12:24
Operator : YP/AJ
Sample : 20 PPM ALIPHATIC HC STD3
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
20 PPM ALIPHATIC HC STD3

Integration File: autoint1.e
Quant Time: Jul 20 13:19:18 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 072023.M
Quant Title : GC Extractables
QLast Update : Thu Jul 20 13:18:25 2023
Response via : Initial Calibration
Integrator: ChemStation

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

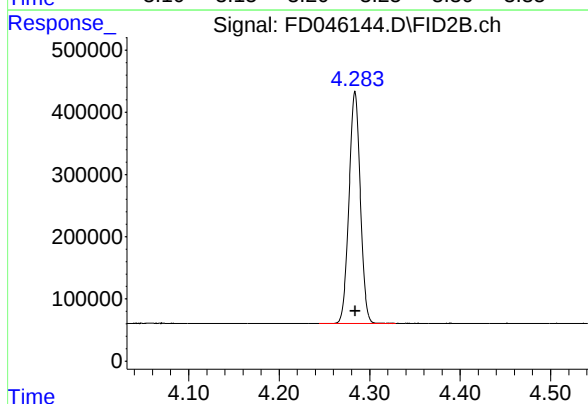




#1 n-Nonane (C9)

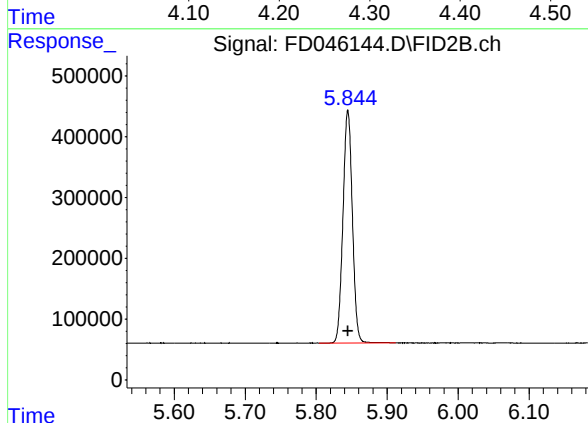
R.T.: 3.230 min
Delta R.T.: 0.000 min
Response: 3180366
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM ALIPHATIC HC STD3



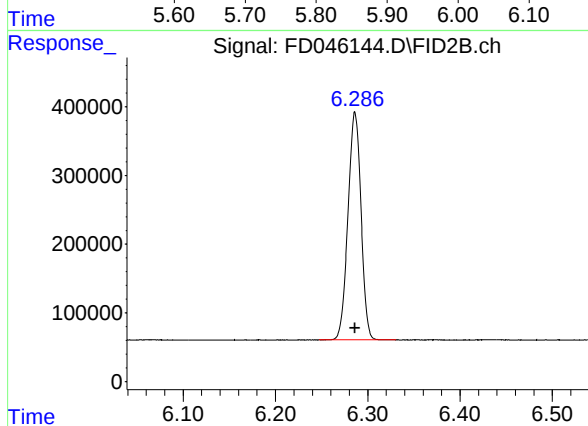
#2 n-Decane (C10)

R.T.: 4.284 min
Delta R.T.: 0.000 min
Response: 3237390
Conc: 20.00 ug/ml



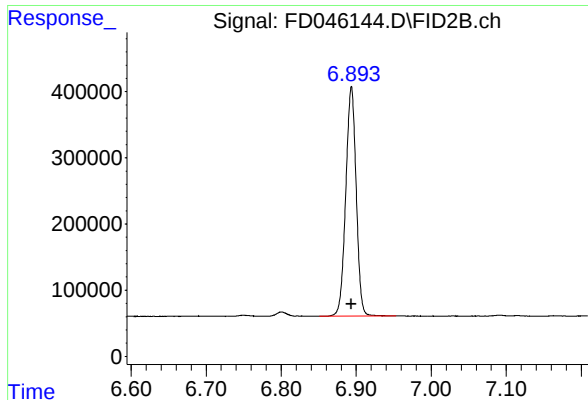
#3 A~Naphthalene (C11.7)

R.T.: 5.845 min
Delta R.T.: 0.000 min
Response: 3525361
Conc: 20.00 ug/ml



#4 n-Dodecane (C12)

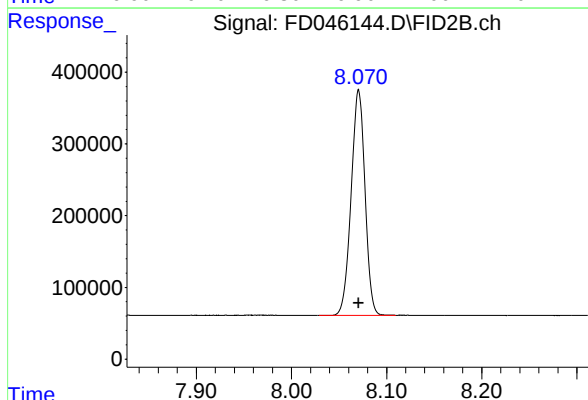
R.T.: 6.286 min
Delta R.T.: 0.000 min
Response: 3259535
Conc: 20.00 ug/ml



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

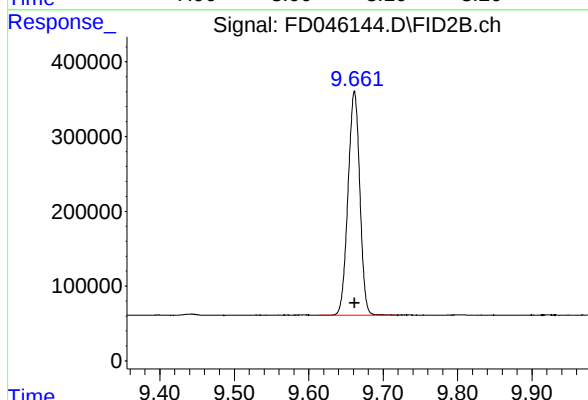
R.T.: 6.894 min
Delta R.T.: 0.000 min
Response: 3343521
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM ALIPHATIC HC STD3



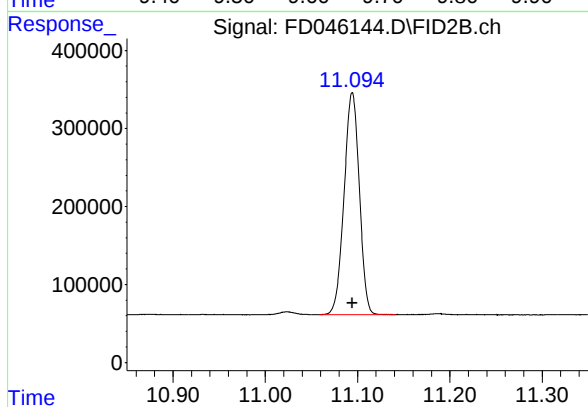
#6 n-Tetradecane (C14)

R.T.: 8.071 min
Delta R.T.: 0.000 min
Response: 3214436
Conc: 20.00 ug/ml



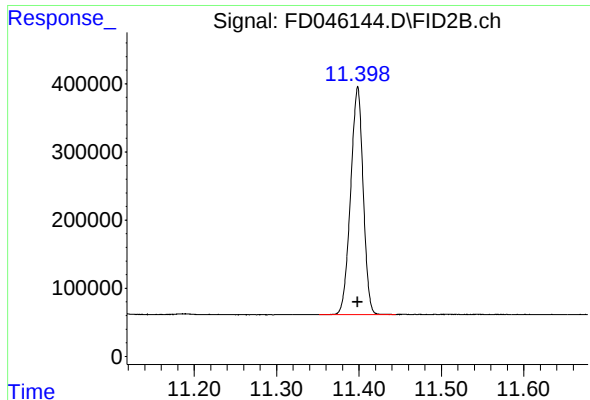
#7 n-Hexadecane (C16)

R.T.: 9.662 min
Delta R.T.: 0.000 min
Response: 3299777
Conc: 20.00 ug/ml



#8 n-Octadecane (C18)

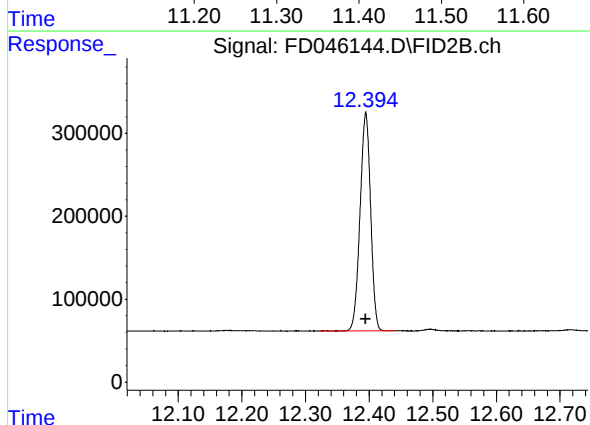
R.T.: 11.094 min
Delta R.T.: 0.000 min
Response: 3274823
Conc: 20.00 ug/ml



#9 ortho-Terphenyl (SURR)

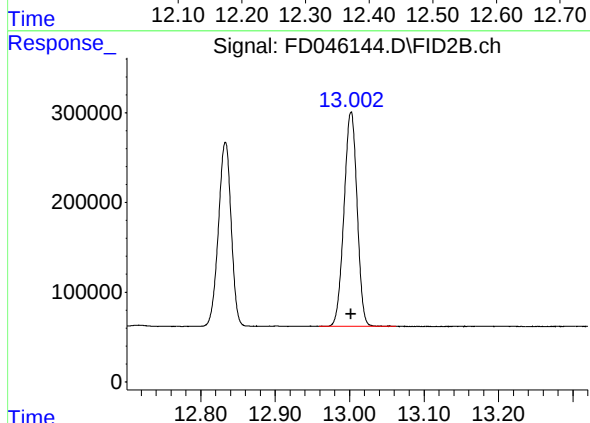
R.T.: 11.399 min
Delta R.T.: 0.000 min
Response: 3533757
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM ALIPHATIC HC STD3



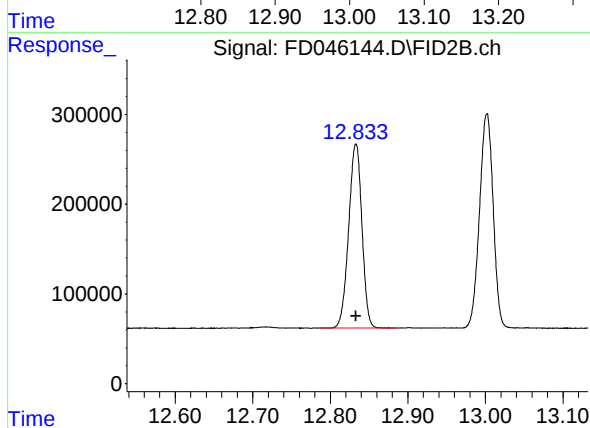
#10 n-Eicosane (C20)

R.T.: 12.395 min
Delta R.T.: 0.000 min
Response: 3029498
Conc: 20.00 ug/ml



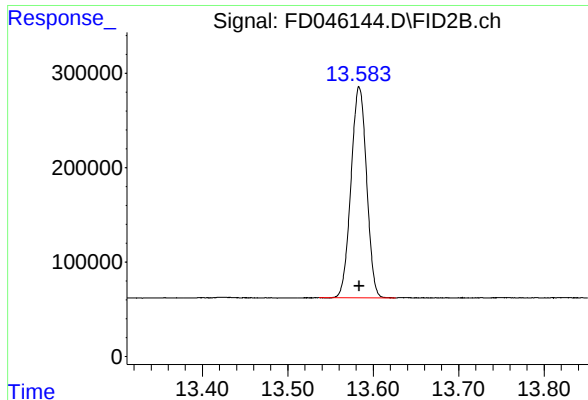
#11 n-Heneicosane (C21)

R.T.: 13.002 min
Delta R.T.: 0.000 min
Response: 2924279
Conc: 20.00 ug/ml



#12 1-chlorooctadecane (SURR)

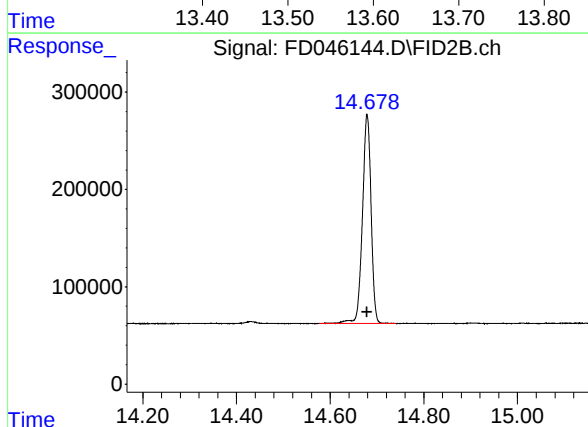
R.T.: 12.833 min
Delta R.T.: 0.000 min
Response: 2442529
Conc: 20.00 ug/ml



#13 n-Docosane (C22)

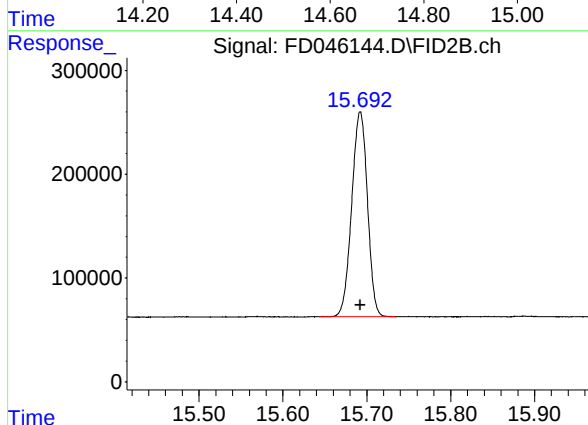
R.T.: 13.584 min
Delta R.T.: 0.000 min
Response: 2835000
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM ALIPHATIC HC STD3



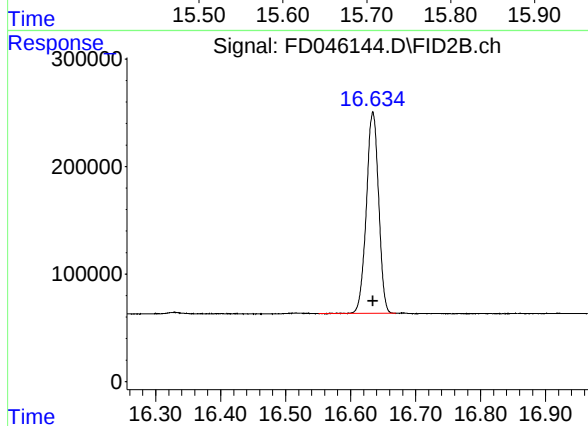
#14 n-Tetracosane (C24)

R.T.: 14.679 min
Delta R.T.: 0.000 min
Response: 2761527
Conc: 20.00 ug/ml



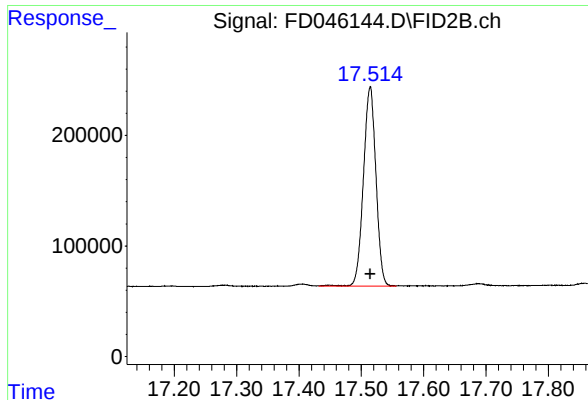
#15 n-Hexacosane (C26)

R.T.: 15.692 min
Delta R.T.: 0.000 min
Response: 2572533
Conc: 20.00 ug/ml



#16 n-Octacosane (C28)

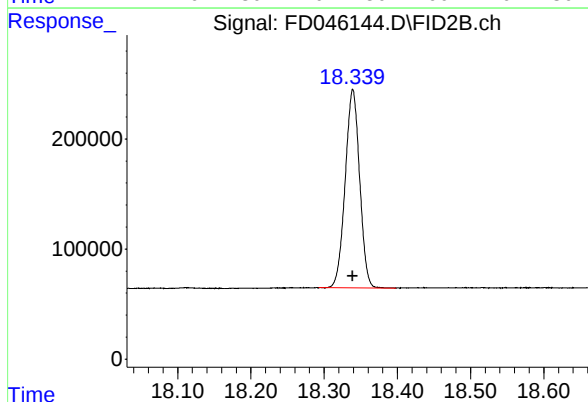
R.T.: 16.634 min
Delta R.T.: 0.000 min
Response: 2460871
Conc: 20.00 ug/ml



#17 n-Tricontane (C30)

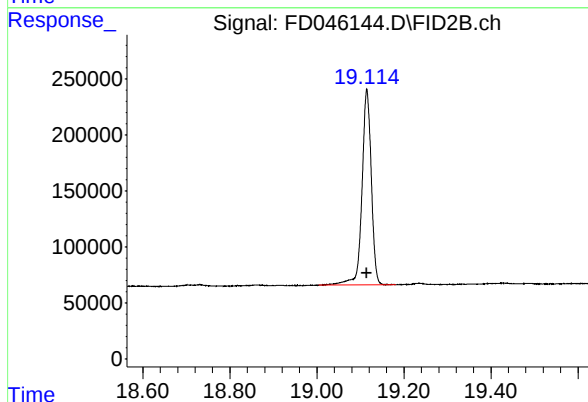
R.T.: 17.514 min
Delta R.T.: 0.000 min
Response: 2507743
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM ALIPHATIC HC STD3



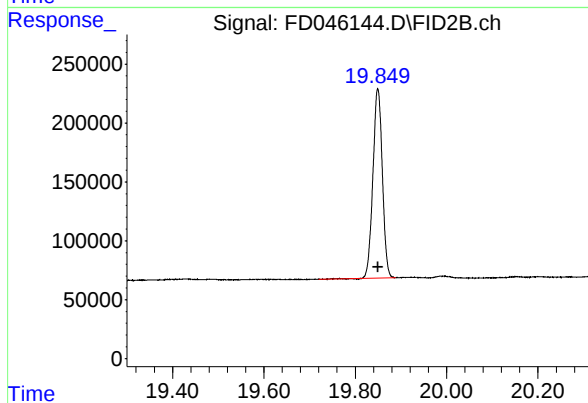
#18 n-Dotriacontane (C32)

R.T.: 18.339 min
Delta R.T.: 0.000 min
Response: 2469580
Conc: 20.00 ug/ml



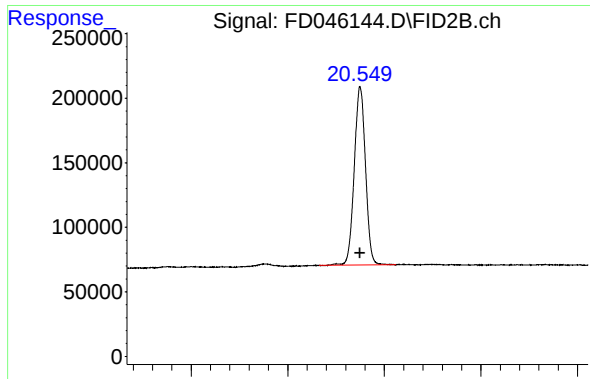
#19 n-Tetratriacontane (C34)

R.T.: 19.115 min
Delta R.T.: 0.000 min
Response: 2592677
Conc: 20.00 ug/ml



#20 n-Hexatriacontane (C36)

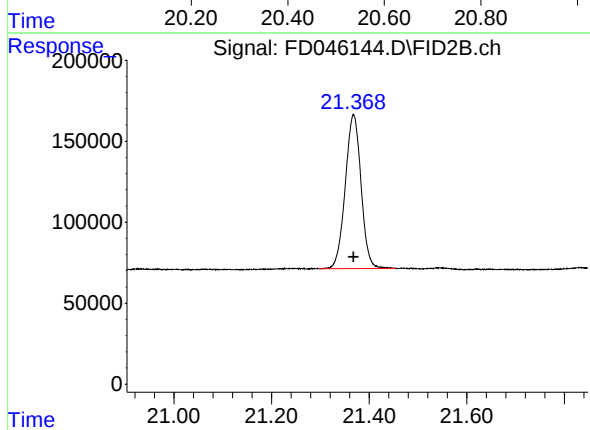
R.T.: 19.849 min
Delta R.T.: 0.000 min
Response: 2308463
Conc: 20.00 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.550 min
Delta R.T.: 0.000 min
Response: 2234463
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM ALIPHATIC HC STD3



#22 n-Tetracontane (C40)

R.T.: 21.368 min
Delta R.T.: 0.000 min
Response: 2136414
Conc: 20.00 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD072023AL\
Data File : FD046144.D
Signal(s) : FID2B.ch
Acq On : 20 Jul 2023 12:24
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 072023.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	3.230	3.207	3.261	VB	385677	3180366	90.00%	5.037%
2	4.284	4.244	4.329	BB	373052	3237390	91.61%	5.127%
3	5.845	5.804	5.912	BB	383056	3525361	99.76%	5.583%
4	6.286	6.247	6.331	BB	331753	3259535	92.24%	5.162%
5	6.894	6.851	6.953	BB	347214	3343521	94.62%	5.295%
6	8.071	8.029	8.110	BB	314810	3214436	90.96%	5.091%
7	9.662	9.614	9.717	BB	300000	3299777	93.38%	5.226%
8	11.094	11.058	11.141	BB	284978	3274823	92.67%	5.186%
9	11.399	11.351	11.445	BB	334912	3533757	100.00%	5.596%
10	12.395	12.321	12.442	BB	263740	3029498	85.73%	4.798%
11	12.833	12.786	12.885	BB	205388	2442529	69.12%	3.868%
12	13.002	12.959	13.062	BB	239095	2924279	82.75%	4.631%
13	13.584	13.536	13.626	BB	223140	2835000	80.23%	4.490%
14	14.679	14.576	14.741	BB	214648	2761527	78.15%	4.373%
15	15.692	15.643	15.735	BB	197407	2572533	72.80%	4.074%
16	16.634	16.551	16.670	BV	187730	2460871	69.64%	3.897%
17	17.514	17.432	17.556	BB	180814	2507743	70.97%	3.971%
18	18.339	18.293	18.398	BB	180538	2469580	69.89%	3.911%
19	19.115	19.005	19.181	BB	174989	2592677	73.37%	4.106%
20	19.849	19.721	19.889	BB	160573	2308463	65.33%	3.656%
21	20.550	20.465	20.624	BB	138307	2234463	63.23%	3.539%
22	21.368	21.297	21.455	BB	95357	2136414	60.46%	3.383%
Sum of corrected areas:						63144543		

Aliphatic EPH 072023.M Fri Jul 21 02:29:48 2023

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD072023AL\
 Data File : FD046145.D
 Signal(s) : FID2B.ch
 Acq On : 20 Jul 2023 13:10
 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: Jul 20 14:29:42 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 072023.M
 Quant Title : GC Extractables
 QLast Update : Thu Jul 20 13:18:25 2023
 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)	11.397	1852391	10.484 ug/ml
Spiked Amount 50.000		Recovery =	20.97%
12) S 1-chlorooctadecane (S...	12.832	1248232	10.221 ug/ml
Spiked Amount 50.000		Recovery =	20.44%
Target Compounds			
1) T n-Nonane (C9)	3.231	1691547	10.637 ug/ml
2) T n-Decane (C10)	4.284	1721889	10.638 ug/ml
3) T A~Naphthalene (C11.7)	5.845	1843673	10.459 ug/ml
4) T n-Dodecane (C12)	6.285	1732753	10.632 ug/ml
5) T A~2-methylnaphthalene...	6.893	1749192	10.463 ug/ml
6) T n-Tetradecane (C14)	8.070	1698779	10.570 ug/ml
7) T n-Hexadecane (C16)	9.661	1729584	10.483 ug/ml
8) T n-Octadecane (C18)	11.093	1714437	10.470 ug/ml
10) T n-Eicosane (C20)	12.394	1577901	10.417 ug/ml
11) T n-Heneicosane (C21)	13.001	1524330	10.425 ug/ml
13) T n-Docosane (C22)	13.582	1469622	10.368 ug/ml
14) T n-Tetracosane (C24)	14.678	1463489	10.599 ug/ml
15) T n-Hexacosane (C26)	15.691	1354569	10.531 ug/ml
16) T n-Octacosane (C28)	16.633	1297390	10.544 ug/ml
17) T n-Tricontane (C30)	17.513	1329475	10.603 ug/ml
18) T n-Dotriacontane (C32)	18.340	1305422	10.572 ug/ml
19) T n-Tetratriacontane (C34)	19.117	1363445	10.518 ug/ml
20) T n-Hexatriacontane (C36)	19.850	1199532	10.392 ug/ml
21) T n-Octatriacontane (C38)	20.550	1184151	10.599 ug/ml
22) T n-Tetracontane (C40)	21.367	1136572	10.640 ug/ml

(f)=RT Delta > 1/2 Window

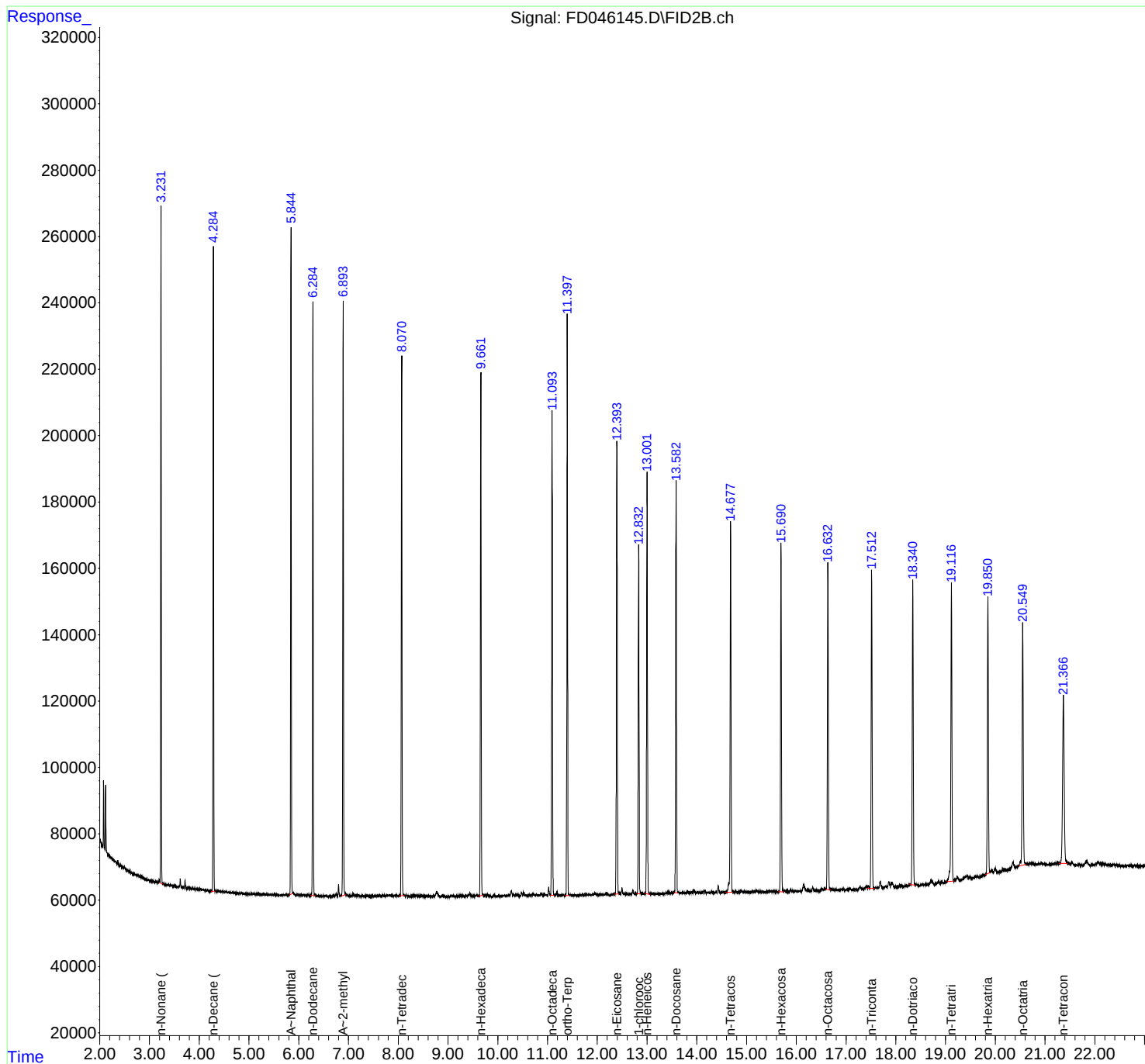
(m)=manual int.

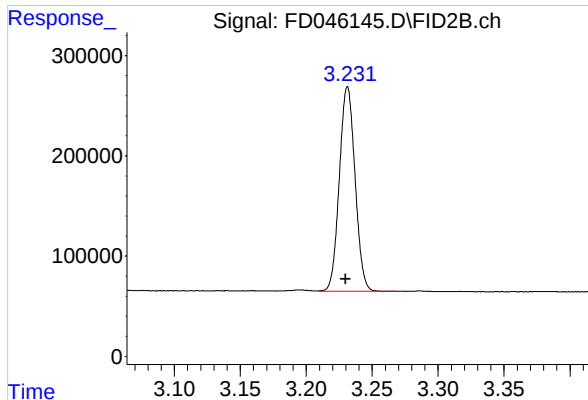
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD072023AL\
Data File : FD046145.D
Signal(s) : FID2B.ch
Acq On : 20 Jul 2023 13:10
Operator : YP/AJ
Sample : 10 PPM ALIPHATIC HC STD4
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
10 PPM ALIPHATIC HC STD4

Integration File: autoint1.e
Quant Time: Jul 20 14:29:42 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 072023.M
Quant Title : GC Extractables
QLast Update : Thu Jul 20 13:18:25 2023
Response via : Initial Calibration
Integrator: ChemStation

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

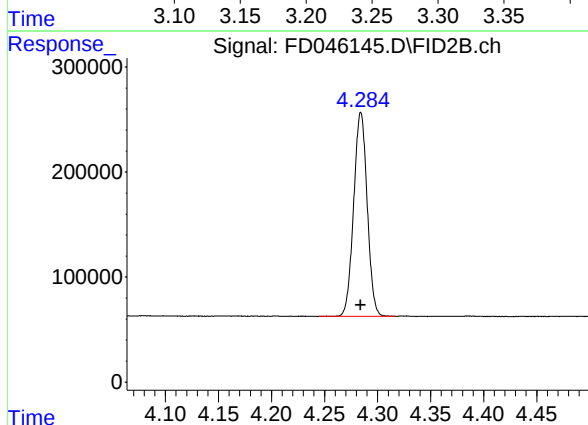




#1 n-Nonane (C9)

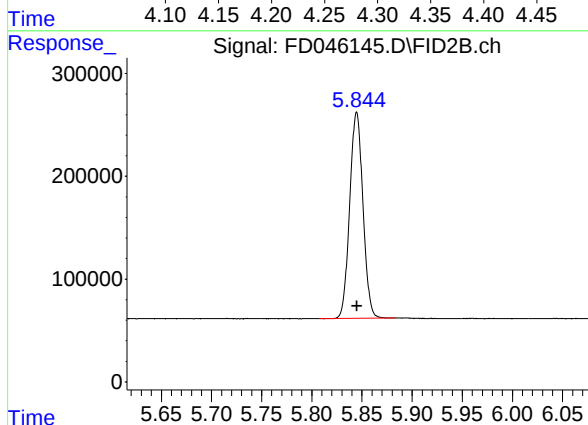
R.T.: 3.231 min
Delta R.T.: 0.001 min
Response: 1691547
Conc: 10.64 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM ALIPHATIC HC STD4



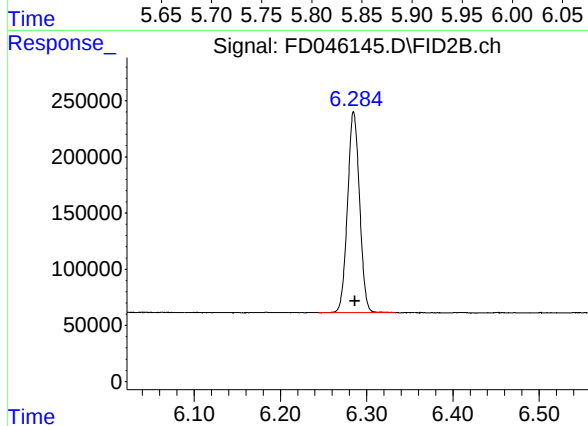
#2 n-Decane (C10)

R.T.: 4.284 min
Delta R.T.: 0.000 min
Response: 1721889
Conc: 10.64 ug/ml



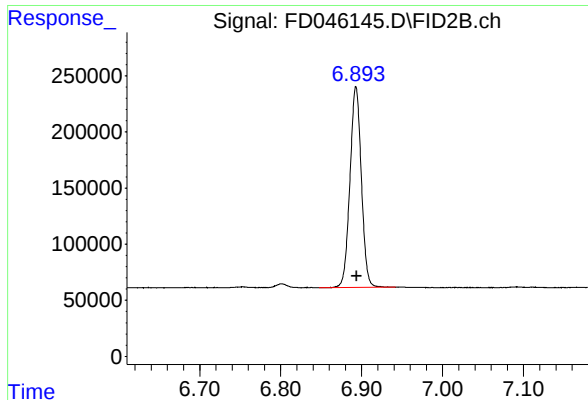
#3 A~Naphthalene (C11.7)

R.T.: 5.845 min
Delta R.T.: 0.000 min
Response: 1843673
Conc: 10.46 ug/ml



#4 n-Dodecane (C12)

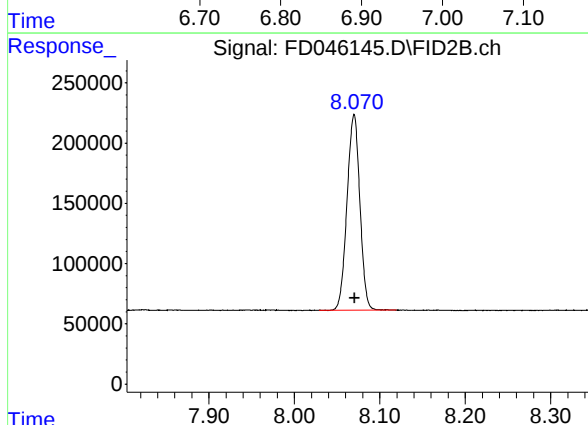
R.T.: 6.285 min
Delta R.T.: -0.001 min
Response: 1732753
Conc: 10.63 ug/ml



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

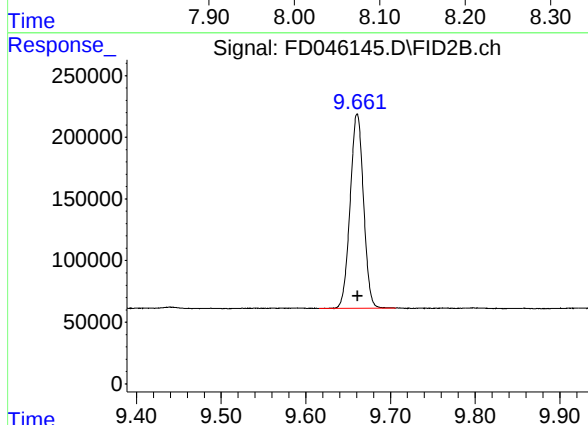
R.T.: 6.893 min
Delta R.T.: 0.000 min
Response: 1749192
Conc: 10.46 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM ALIPHATIC HC STD4



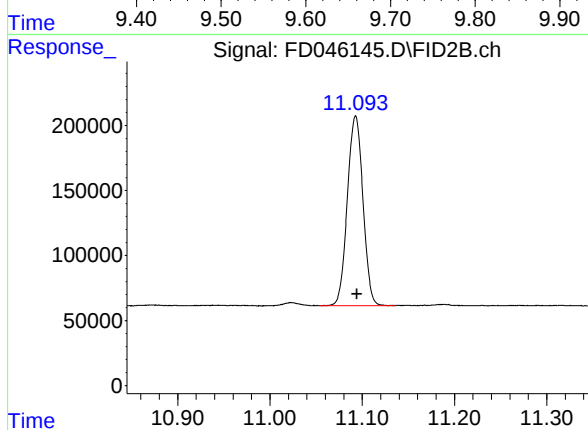
#6 n-Tetradecane (C14)

R.T.: 8.070 min
Delta R.T.: 0.000 min
Response: 1698779
Conc: 10.57 ug/ml



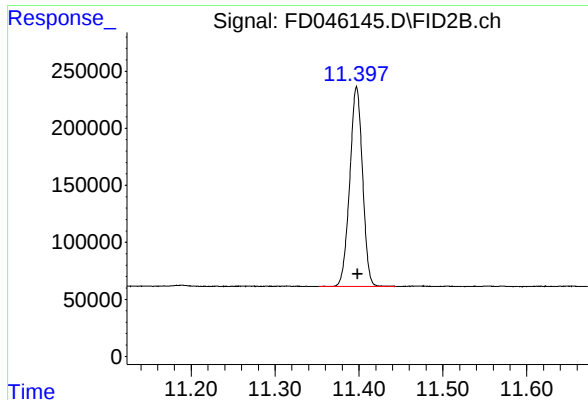
#7 n-Hexadecane (C16)

R.T.: 9.661 min
Delta R.T.: 0.000 min
Response: 1729584
Conc: 10.48 ug/ml



#8 n-Octadecane (C18)

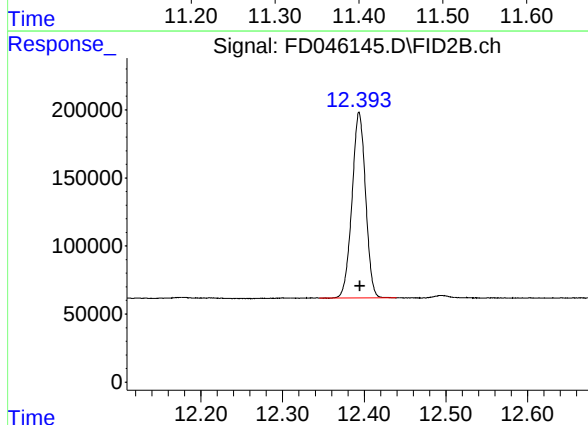
R.T.: 11.093 min
Delta R.T.: -0.001 min
Response: 1714437
Conc: 10.47 ug/ml



#9 ortho-Terphenyl (SURR)

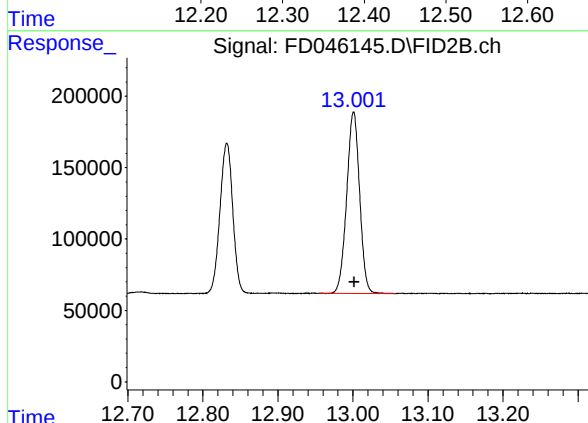
R.T.: 11.397 min
Delta R.T.: -0.001 min
Response: 1852391
Conc: 10.48 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM ALIPHATIC HC STD4



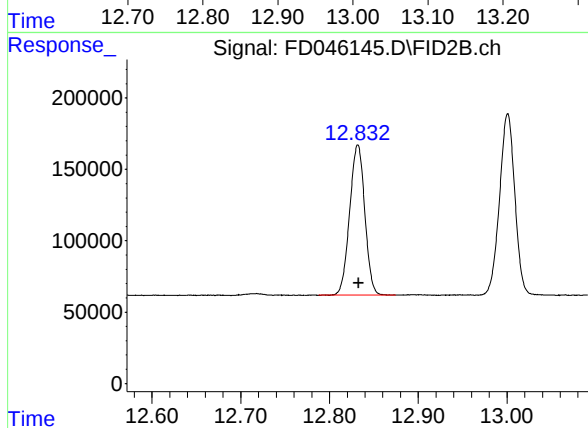
#10 n-Eicosane (C20)

R.T.: 12.394 min
Delta R.T.: -0.001 min
Response: 1577901
Conc: 10.42 ug/ml



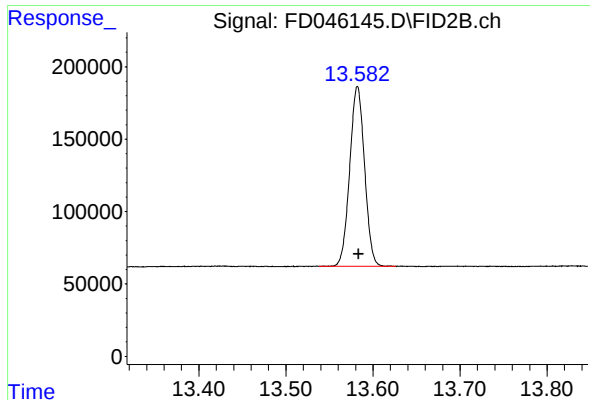
#11 n-Heneicosane (C21)

R.T.: 13.001 min
Delta R.T.: -0.001 min
Response: 1524330
Conc: 10.43 ug/ml



#12 1-chlorooctadecane (SURR)

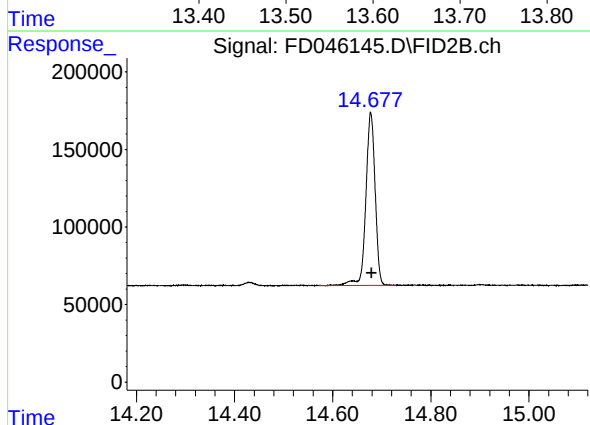
R.T.: 12.832 min
Delta R.T.: -0.001 min
Response: 1248232
Conc: 10.22 ug/ml



#13 n-Docosane (C22)

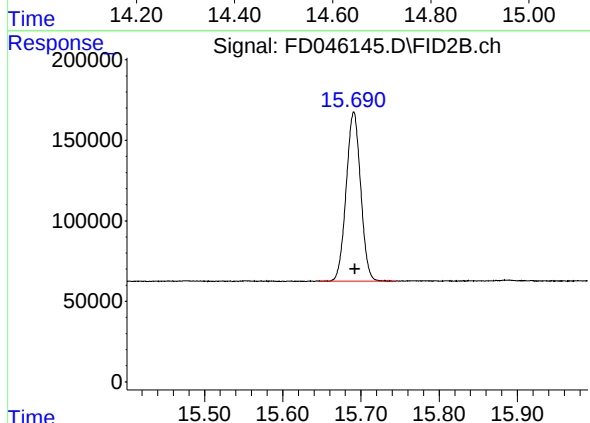
R.T.: 13.582 min
Delta R.T.: -0.001 min
Response: 1469622
Conc: 10.37 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM ALIPHATIC HC STD4



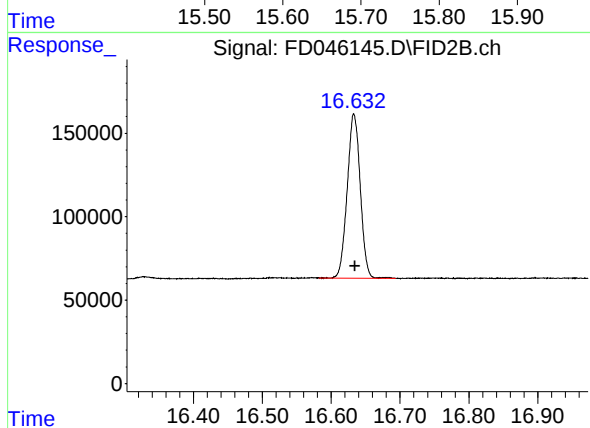
#14 n-Tetracosane (C24)

R.T.: 14.678 min
Delta R.T.: -0.001 min
Response: 1463489
Conc: 10.60 ug/ml



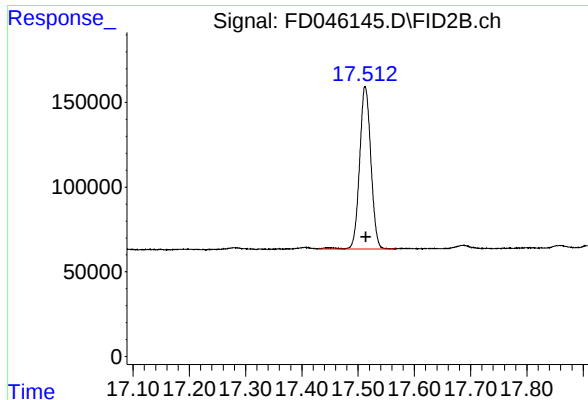
#15 n-Hexacosane (C26)

R.T.: 15.691 min
Delta R.T.: -0.001 min
Response: 1354569
Conc: 10.53 ug/ml



#16 n-Octacosane (C28)

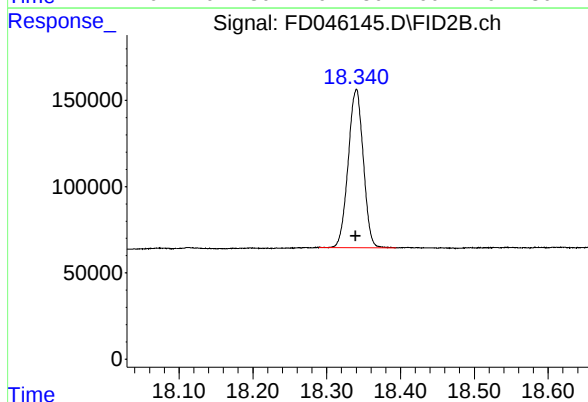
R.T.: 16.633 min
Delta R.T.: -0.001 min
Response: 1297390
Conc: 10.54 ug/ml



#17 n-Tricontane (C30)

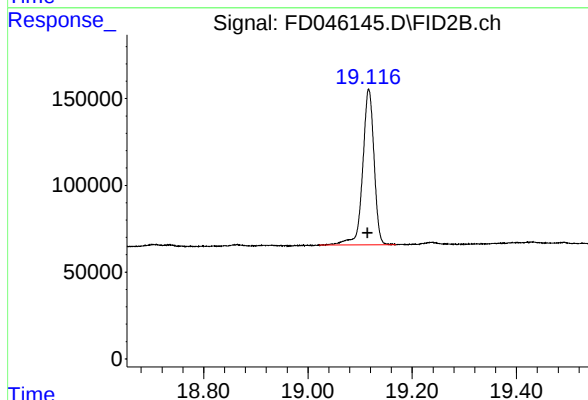
R.T.: 17.513 min
Delta R.T.: -0.002 min
Response: 1329475
Conc: 10.60 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM ALIPHATIC HC STD4



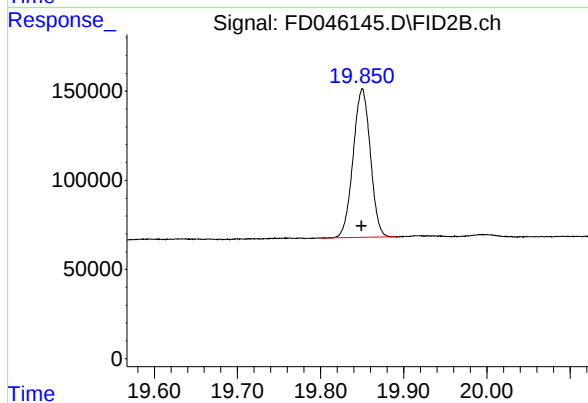
#18 n-Dotriacontane (C32)

R.T.: 18.340 min
Delta R.T.: 0.001 min
Response: 1305422
Conc: 10.57 ug/ml



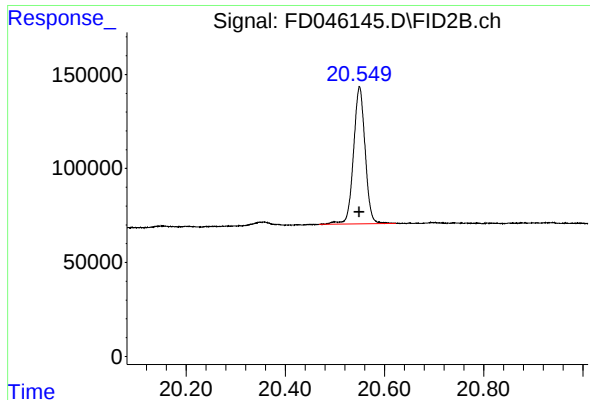
#19 n-Tetratriacontane (C34)

R.T.: 19.117 min
Delta R.T.: 0.002 min
Response: 1363445
Conc: 10.52 ug/ml



#20 n-Hexatriacontane (C36)

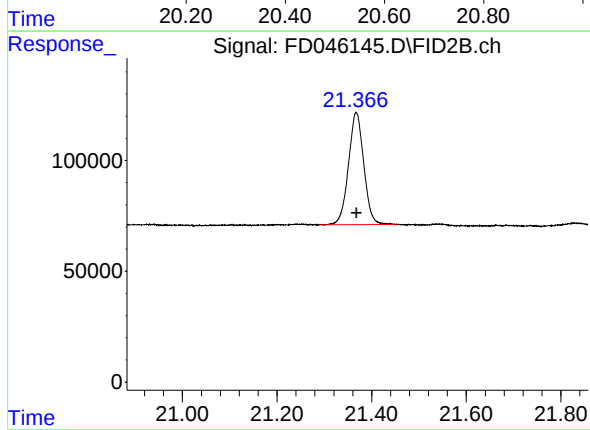
R.T.: 19.850 min
Delta R.T.: 0.000 min
Response: 1199532
Conc: 10.39 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.550 min
Delta R.T.: 0.000 min
Response: 1184151
Conc: 10.60 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM ALIPHATIC HC STD4



#22 n-Tetracontane (C40)

R.T.: 21.367 min
Delta R.T.: 0.000 min
Response: 1136572
Conc: 10.64 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD072023AL\
 Data File : FD046145.D
 Signal(s) : FID2B.ch
 Acq On : 20 Jul 2023 13:10
 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 072023.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	3.231	3.210	3.268	VB	204152	1691547	91.32%	5.097%
2	4.284	4.245	4.317	BB	194304	1721889	92.95%	5.188%
3	5.845	5.807	5.884	BB	200917	1843673	99.53%	5.555%
4	6.285	6.245	6.334	BB	178865	1732753	93.54%	5.221%
5	6.893	6.847	6.942	BB	179053	1749192	94.43%	5.270%
6	8.070	8.029	8.119	BB	162599	1698779	91.71%	5.119%
7	9.661	9.616	9.706	BB	157475	1729584	93.37%	5.211%
8	11.093	11.053	11.136	BB	146184	1714437	92.55%	5.166%
9	11.397	11.352	11.444	BB	175105	1852391	100.00%	5.581%
10	12.394	12.345	12.439	BB	136482	1577901	85.18%	4.754%
11	12.832	12.788	12.875	BB	105201	1248232	67.38%	3.761%
12	13.001	12.955	13.057	BB	127093	1524330	82.29%	4.593%
13	13.582	13.538	13.626	BB	124229	1469622	79.34%	4.428%
14	14.678	14.572	14.729	BB	111528	1463489	79.01%	4.410%
15	15.691	15.646	15.745	BB	105117	1354569	73.13%	4.081%
16	16.633	16.582	16.694	BB	98422	1297390	70.04%	3.909%
17	17.513	17.431	17.567	BB	95919	1329475	71.77%	4.006%
18	18.340	18.290	18.394	BB	91955	1305422	70.47%	3.933%
19	19.117	19.021	19.169	BB	89892	1363445	73.60%	4.108%
20	19.850	19.798	19.891	BB	83528	1199532	64.76%	3.614%
21	20.550	20.468	20.623	BB	73030	1184151	63.93%	3.568%
22	21.367	21.289	21.451	BB	50663	1136572	61.36%	3.425%
Sum of corrected areas:						33188375		

Aliphatic EPH 072023.M Fri Jul 21 02:30:19 2023

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD072023AL\
 Data File : FD046146.D
 Signal(s) : FID2B.ch
 Acq On : 20 Jul 2023 13:55
 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

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/21/2023
 Supervised By :Ankita Jodhani 07/21/2023

Integration File: autoint1.e
 Quant Time: Jul 20 14:30:00 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 072023.M
 Quant Title : GC Extractables
 QLast Update : Thu Jul 20 13:25:53 2023
 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)	11.396	914242	5.174 ug/ml
Spiked Amount 50.000		Recovery =	10.35%
12) S 1-chlorooctadecane (S...	12.832	607711	4.976 ug/ml
Spiked Amount 50.000		Recovery =	9.95%
Target Compounds			
1) T n-Nonane (C9)	3.231	843781	5.306 ug/ml
2) T n-Decane (C10)	4.284	857927	5.300 ug/ml
3) T A~Naphthalene (C11.7)	5.845	911534	5.171 ug/ml
4) T n-Dodecane (C12)	6.285	859442	5.273 ug/ml
5) T A~2-methylnaphthalene...	6.893	863010	5.162 ug/ml
6) T n-Tetradecane (C14)	8.069	839679	5.224 ug/ml
7) T n-Hexadecane (C16)	9.660	855622	5.186 ug/ml
8) T n-Octadecane (C18)	11.092	842247	5.144 ug/ml
10) T n-Eicosane (C20)	12.393	773203	5.104 ug/ml
11) T n-Heneicosane (C21)	13.000	750981	5.136 ug/ml
13) T n-Docosane (C22)	13.583	720907	5.086 ug/ml
14) T n-Tetracosane (C24)	14.678	744881	5.395 ug/mlm
15) T n-Hexacosane (C26)	15.690	676500	5.259 ug/ml
16) T n-Octacosane (C28)	16.633	637616	5.182 ug/ml
17) T n-Tricontane (C30)	17.512	656554	5.236 ug/ml
18) T n-Dotriacontane (C32)	18.339	650516	5.268 ug/ml
19) T n-Tetratriacontane (C34)	19.116	707406	5.457 ug/ml
20) T n-Hexatriacontane (C36)	19.849	592417	5.133 ug/ml
21) T n-Octatriacontane (C38)	20.549	596007	5.335 ug/ml
22) T n-Tetracontane (C40)	21.368	579922	5.429 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD072023AL\
Data File : FD046146.D
Signal(s) : FID2B.ch
Acq On : 20 Jul 2023 13:55
Operator : YP/AJ
Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 15 Sample Multiplier: 1

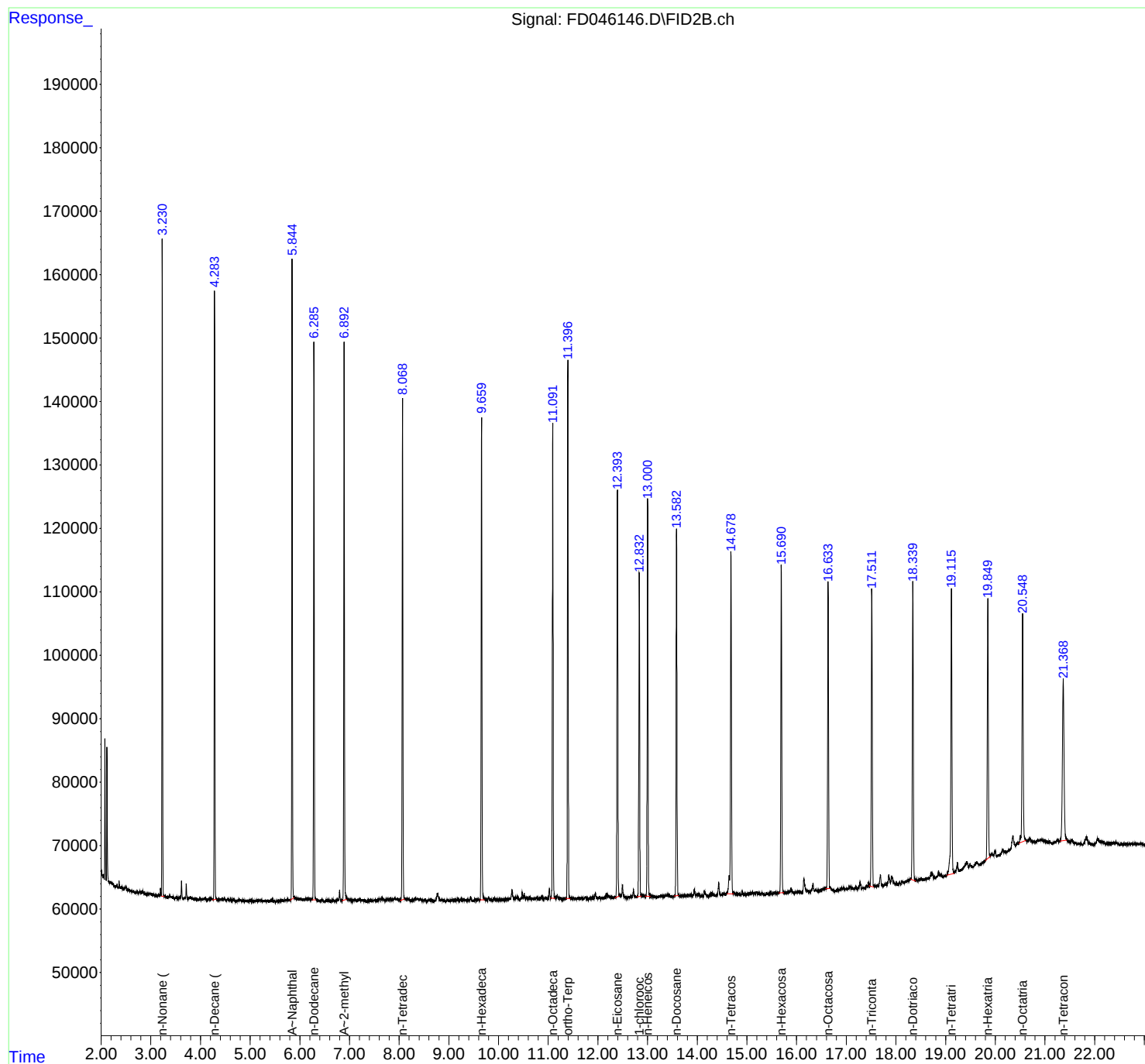
Instrument :
FID_D
ClientSampleId :
5 PPM ALIPHATIC HC STD5

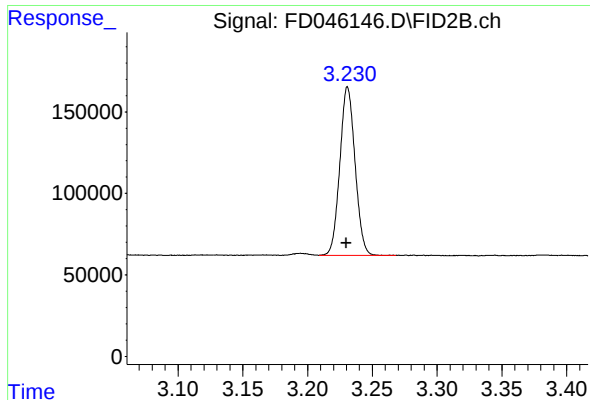
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/21/2023
Supervised By :Ankita Jodhani 07/21/2023

Integration File: autoint1.e
Quant Time: Jul 20 14:30:00 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 072023.
Quant Title : GC Extractables
Qlast Update : Thu Jul 20 13:25:53 2023
Response via : Initial Calibration
Integrator: ChemStation

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





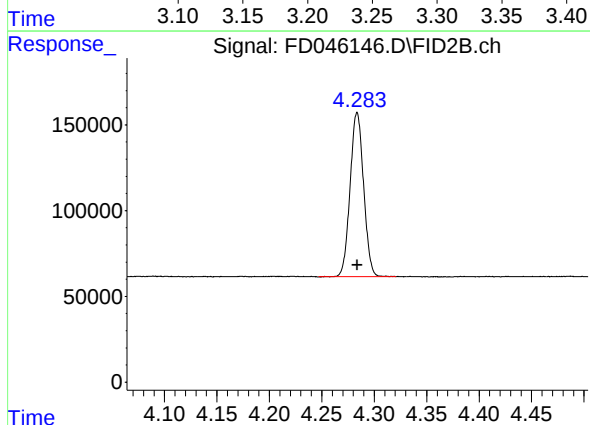
#1 n-Nonane (C9)

R.T.: 3.231 min
Delta R.T.: 0.000 min
Response: 843781
Conc: 5.31 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM ALIPHATIC HC STD5

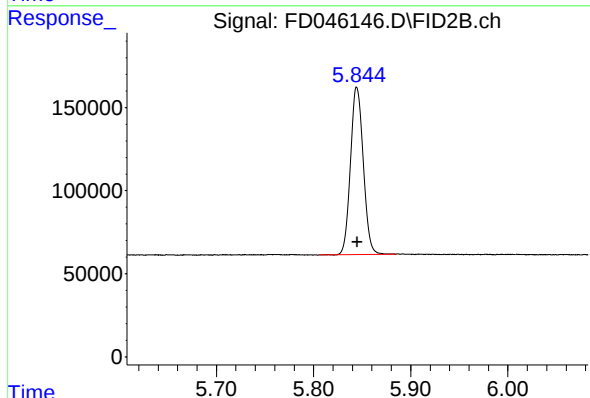
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/21/2023
Supervised By :Ankita Jodhani 07/21/2023



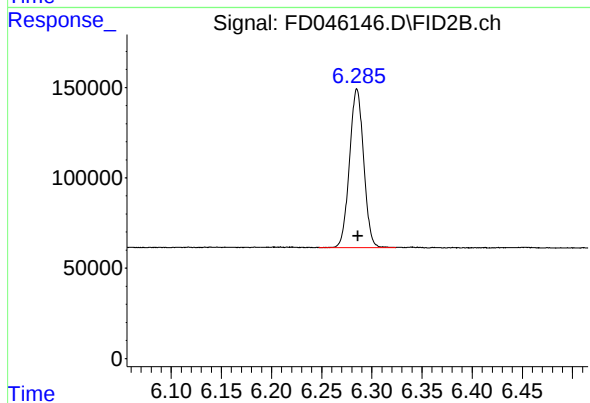
#2 n-Decane (C10)

R.T.: 4.284 min
Delta R.T.: 0.000 min
Response: 857927
Conc: 5.30 ug/ml



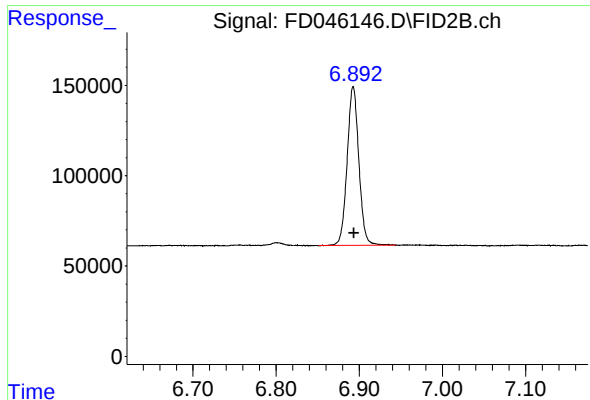
#3 A~Naphthalene (C11.7)

R.T.: 5.845 min
Delta R.T.: 0.000 min
Response: 911534
Conc: 5.17 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.285 min
Delta R.T.: -0.001 min
Response: 859442
Conc: 5.27 ug/ml



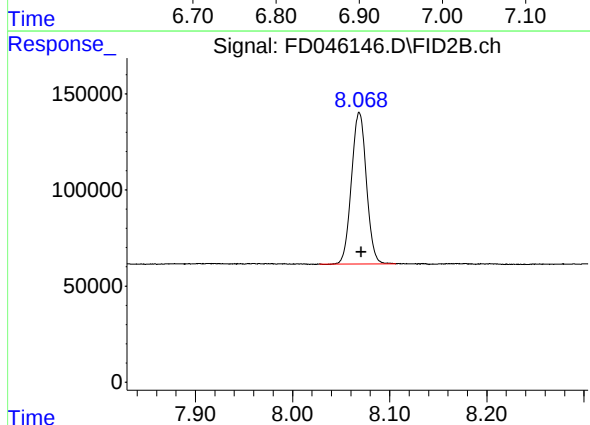
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.893 min
Delta R.T.: 0.000 min
Response: 863010
Conc: 5.16 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM ALIPHATIC HC STD5

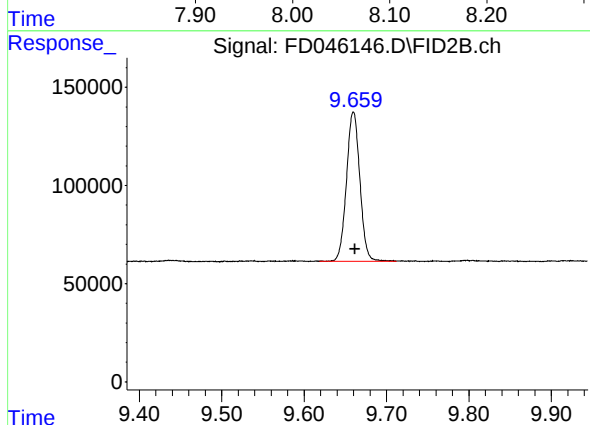
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/21/2023
Supervised By :Ankita Jodhani 07/21/2023



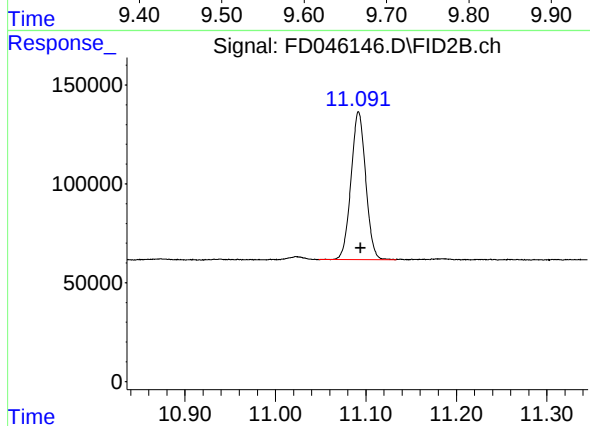
#6 n-Tetradecane (C14)

R.T.: 8.069 min
Delta R.T.: -0.002 min
Response: 839679
Conc: 5.22 ug/ml



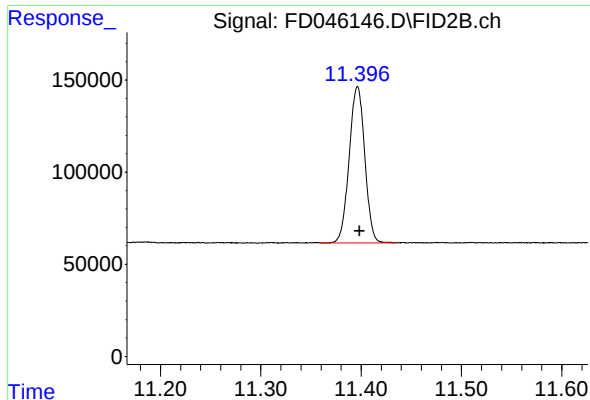
#7 n-Hexadecane (C16)

R.T.: 9.660 min
Delta R.T.: -0.002 min
Response: 855622
Conc: 5.19 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.092 min
Delta R.T.: -0.002 min
Response: 842247
Conc: 5.14 ug/ml



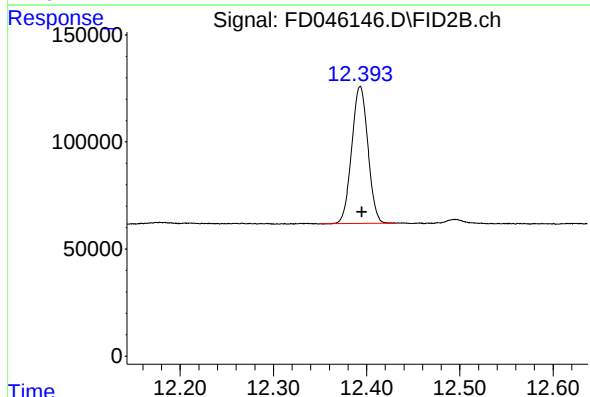
#9 ortho-Terphenyl (SURR)

R.T.: 11.396 min
Delta R.T.: -0.002 min
Response: 914242
Conc: 5.17 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM ALIPHATIC HC STD5

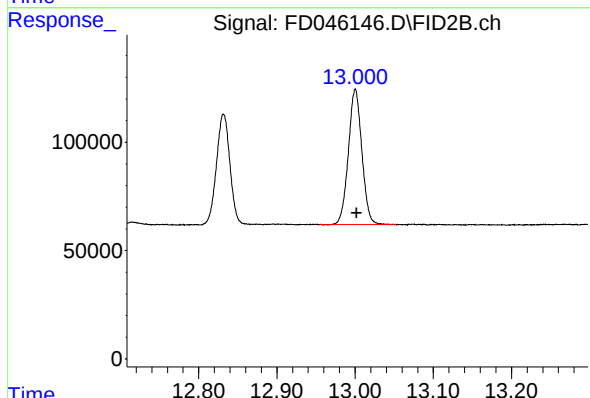
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/21/2023
Supervised By :Ankita Jodhani 07/21/2023



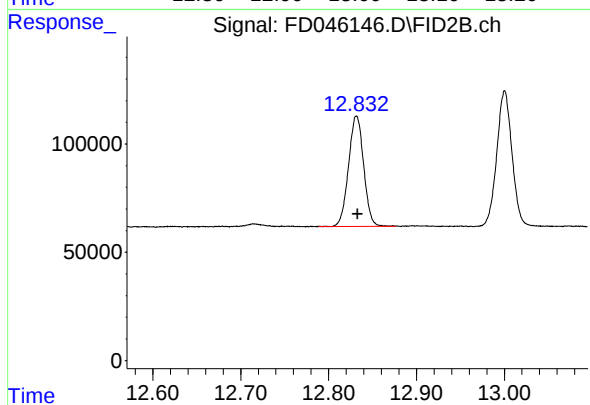
#10 n-Eicosane (C20)

R.T.: 12.393 min
Delta R.T.: -0.002 min
Response: 773203
Conc: 5.10 ug/ml



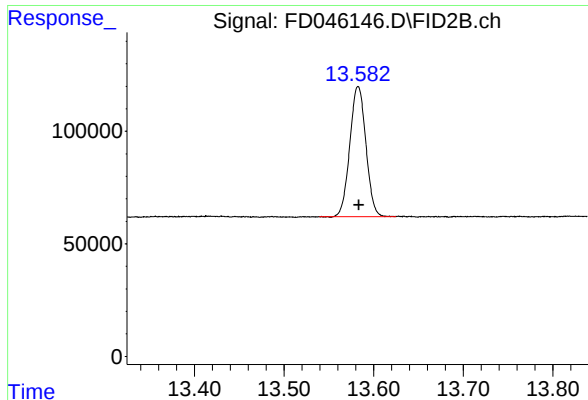
#11 n-Heneicosane (C21)

R.T.: 13.000 min
Delta R.T.: -0.002 min
Response: 750981
Conc: 5.14 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.832 min
Delta R.T.: -0.001 min
Response: 607711
Conc: 4.98 ug/ml



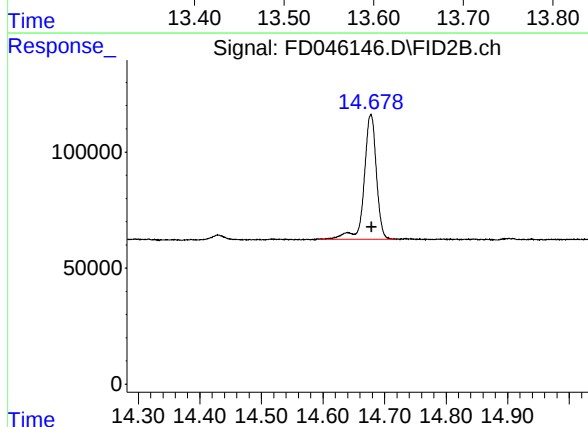
#13 n-Docosane (C22)

R.T.: 13.583 min
Delta R.T.: -0.001 min
Response: 720907
Conc: 5.09 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM ALIPHATIC HC STD5

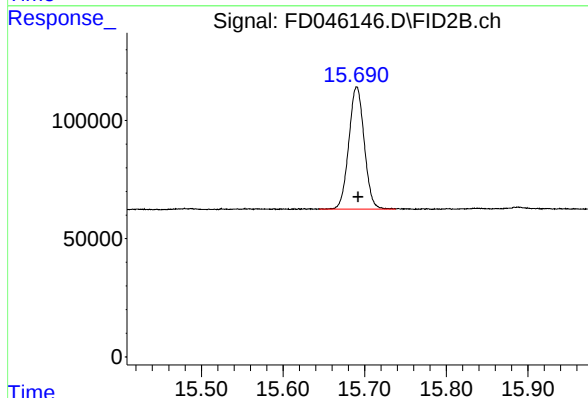
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/21/2023
Supervised By :Ankita Jodhani 07/21/2023



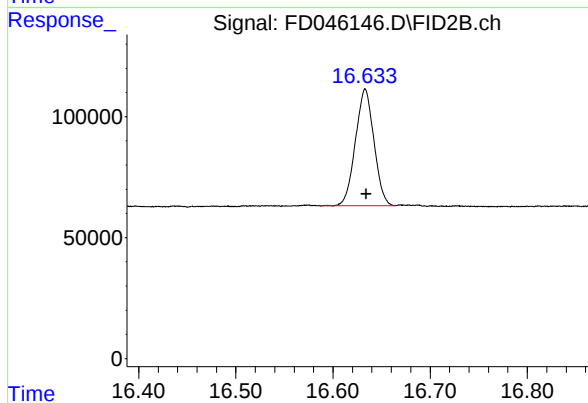
#14 n-Tetracosane (C24)

R.T.: 14.678 min
Delta R.T.: -0.001 min
Response: 744881
Conc: 5.39 ug/ml m



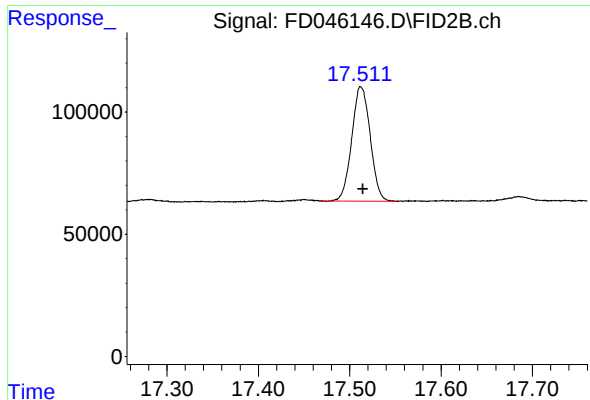
#15 n-Hexacosane (C26)

R.T.: 15.690 min
Delta R.T.: -0.002 min
Response: 676500
Conc: 5.26 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.633 min
Delta R.T.: -0.001 min
Response: 637616
Conc: 5.18 ug/ml



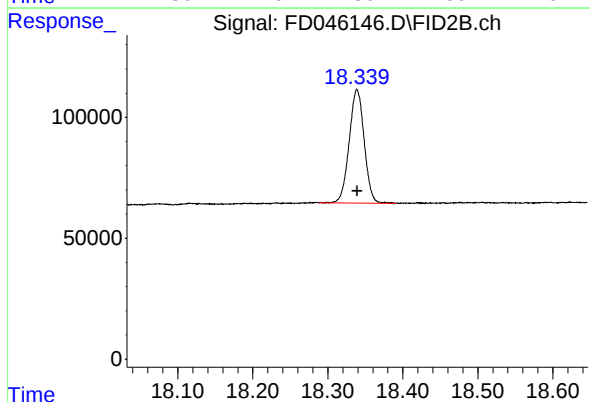
#17 n-Tricontane (C30)

R.T.: 17.512 min
Delta R.T.: -0.002 min
Response: 656554
Conc: 5.24 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM ALIPHATIC HC STD5

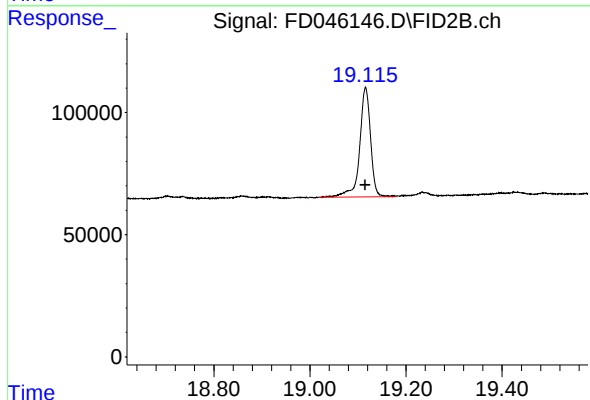
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/21/2023
Supervised By :Ankita Jodhani 07/21/2023



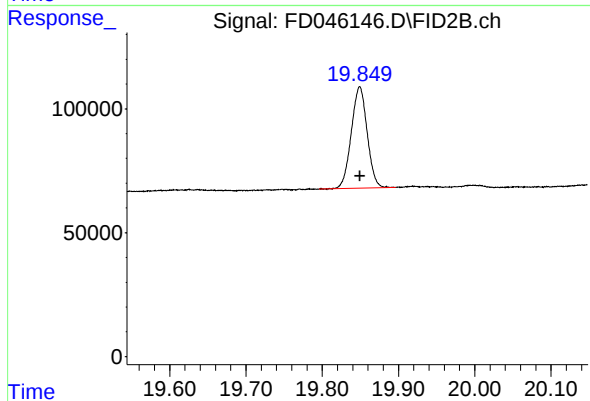
#18 n-Dotriacontane (C32)

R.T.: 18.339 min
Delta R.T.: 0.000 min
Response: 650516
Conc: 5.27 ug/ml



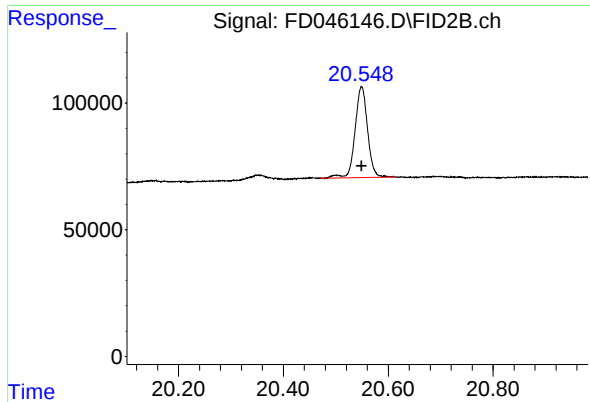
#19 n-Tetratriacontane (C34)

R.T.: 19.116 min
Delta R.T.: 0.001 min
Response: 707406
Conc: 5.46 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.849 min
Delta R.T.: 0.000 min
Response: 592417
Conc: 5.13 ug/ml



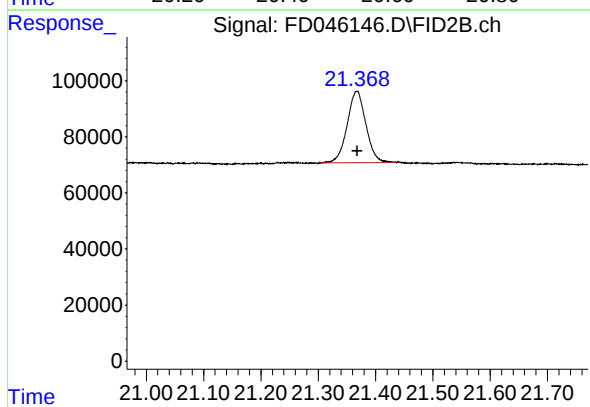
#21 n-Octatriacontane (C38)

R.T.: 20.549 min
Delta R.T.: 0.000 min
Response: 596007
Conc: 5.33 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM ALIPHATIC HC STD5

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/21/2023
Supervised By :Ankita Jodhani 07/21/2023



#22 n-Tetracontane (C40)

R.T.: 21.368 min
Delta R.T.: 0.000 min
Response: 579922
Conc: 5.43 ug/ml

Instrument :
FID_D
LabSampleId :
5 PPM ALIPHATIC HC STD5

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 07/21/2023
Supervised By :Ankita Jodhani 07/21/2023

rteres

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD
Data File : FD046146.D
Signal(s) : FID2B.ch
Acq On : 20 Jul 2023 13:55
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 072023.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	3.231	3.209	3.268	PB	103470	843781	92.29%	5.133%
2	4.284	4.247	4.321	BB	95886	857927	93.84%	5.220%
3	5.845	5.806	5.885	BB	100457	911534	99.70%	5.546%
4	6.285	6.247	6.324	BB	87896	859442	94.01%	5.229%
5	6.893	6.852	6.944	BB	87912	863010	94.40%	5.250%
6	8.069	8.027	8.107	BB	78722	839679	91.84%	5.108%
7	9.660	9.618	9.712	BB	76002	855622	93.59%	5.205%
8	11.092	11.048	11.133	BB	74698	842247	92.13%	5.124%
9	11.396	11.358	11.435	BB	84815	914242	100.00%	5.562%
10	12.393	12.349	12.432	BB	64045	773203	84.57%	4.704%
11	12.832	12.789	12.877	BB	50949	607711	66.47%	3.697%
12	13.000	12.954	13.052	BB	62686	750981	82.14%	4.569%
13	13.583	13.539	13.625	BB	57879	720907	78.85%	4.386%
14	14.678	14.652	14.722	VB	53934	699711	76.53%	4.257%
15	15.690	15.644	15.738	BB	51741	676500	74.00%	4.116%
16	16.633	16.586	16.665	BB	48307	637616	69.74%	3.879%
17	17.512	17.467	17.551	BB	46730	656554	71.81%	3.994%
18	18.339	18.288	18.391	BB	47077	650516	71.15%	3.958%
19	19.116	19.019	19.179	BB	45017	707406	77.38%	4.304%
20	19.849	19.796	19.897	BB	40994	592417	64.80%	3.604%
21	20.549	20.468	20.615	BB	35881	596007	65.19%	3.626%
22	21.368	21.302	21.436	BB	25503	579922	63.43%	3.528%
Sum of corrected areas:						16436936		

Aliphatic EPH 072023.M Fri Jul 21 02:30:40 2023

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD072023AL\
 Data File : FD046147.D
 Signal(s) : FID2B.ch
 Acq On : 20 Jul 2023 14:40
 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: Jul 21 01:38:15 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 072023.M
 Quant Title : GC Extractables
 QLast Update : Thu Jul 20 14:31:50 2023
 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)	11.398	3486560	19.997 ug/ml
Spiked Amount 50.000		Recovery =	39.99%
12) S 1-chlorooctadecane (S...	12.833	2401130	19.955 ug/ml
Spiked Amount 50.000		Recovery =	39.91%
Target Compounds			
1) T n-Nonane (C9)	3.230	3145829	19.953 ug/ml
2) T n-Decane (C10)	4.284	3206011	19.963 ug/ml
3) T A~Naphthalene (C11.7)	5.845	3480500	20.104 ug/ml
4) T n-Dodecane (C12)	6.286	3224583	19.949 ug/ml
5) T A~2-methylnaphthalene...	6.894	3300615	19.999 ug/ml
6) T n-Tetradecane (C14)	8.070	3172335	19.941 ug/ml
7) T n-Hexadecane (C16)	9.661	3252268	19.986 ug/ml
8) T n-Octadecane (C18)	11.094	3232546	20.040 ug/ml
10) T n-Eicosane (C20)	12.395	2978959	19.957 ug/ml
11) T n-Heneicosane (C21)	13.003	2882437	19.968 ug/ml
13) T n-Docosane (C22)	13.584	2797503	20.022 ug/ml
14) T n-Tetracosane (C24)	14.679	2711851	19.694 ug/ml
15) T n-Hexacosane (C26)	15.693	2553175	19.971 ug/ml
16) T n-Octacosane (C28)	16.635	2438571	20.027 ug/ml
17) T n-Tricontane (C30)	17.515	2482815	20.061 ug/ml
18) T n-Dotriacontane (C32)	18.340	2442646	20.004 ug/ml
19) T n-Tetratriacontane (C34)	19.117	2439316	19.066 ug/ml
20) T n-Hexatriacontane (C36)	19.851	2268289	19.806 ug/ml
21) T n-Octatriacontane (C38)	20.550	2155235	19.143 ug/ml
22) T n-Tetracontane (C40)	21.368	1832553	17.084 ug/ml

(f)=RT Delta > 1/2 Window

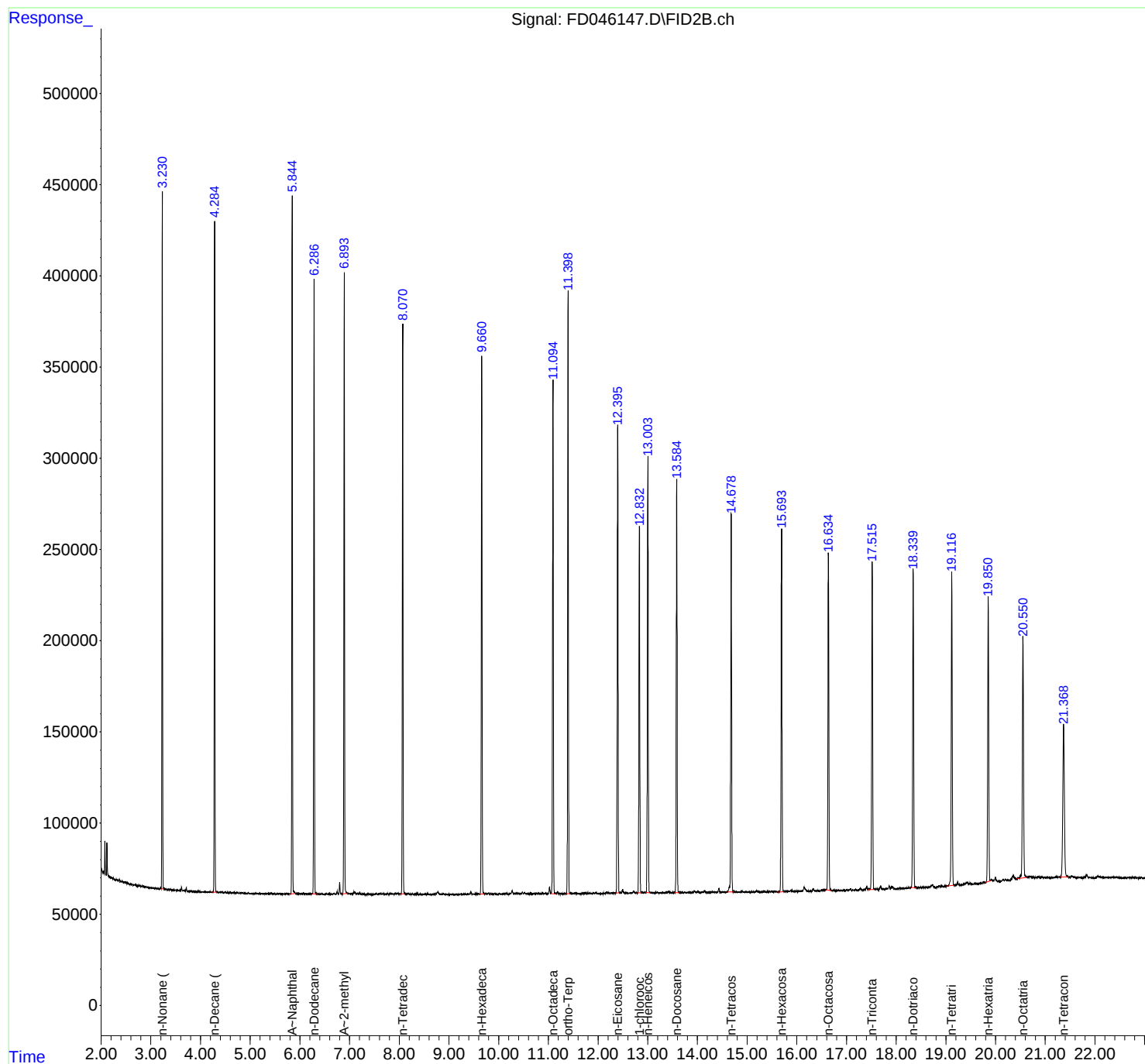
(m)=manual int.

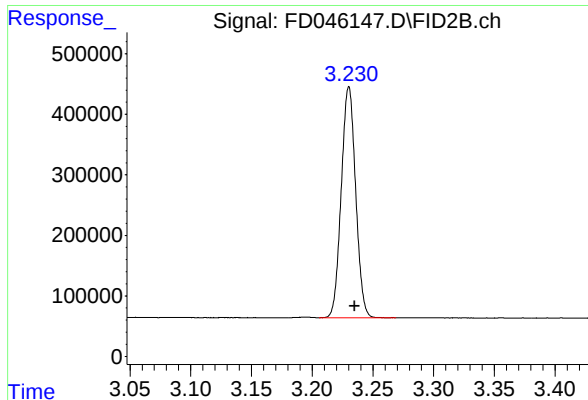
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD072023AL\
Data File : FD046147.D
Signal(s) : FID2B.ch
Acq On : 20 Jul 2023 14:40
Operator : YP/AJ
Sample : 20 PPM ALIPHATIC HC STD ICV
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV

Integration File: autoint1.e
Quant Time: Jul 21 01:38:15 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 072023.M
Quant Title : GC Extractables
QLast Update : Thu Jul 20 14:31:50 2023
Response via : Initial Calibration
Integrator: ChemStation

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

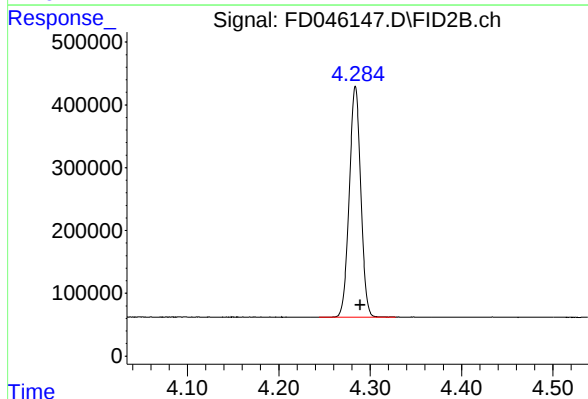




#1 n-Nonane (C9)

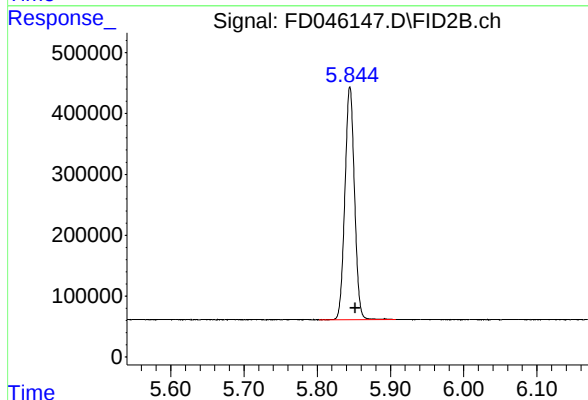
R.T.: 3.230 min
Delta R.T.: -0.005 min
Response: 3145829
Conc: 19.95 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



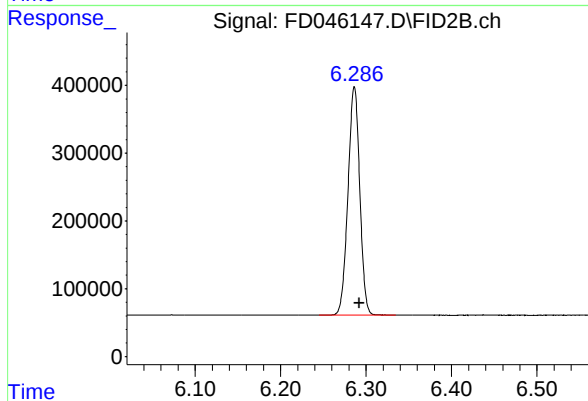
#2 n-Decane (C10)

R.T.: 4.284 min
Delta R.T.: -0.005 min
Response: 3206011
Conc: 19.96 ug/ml



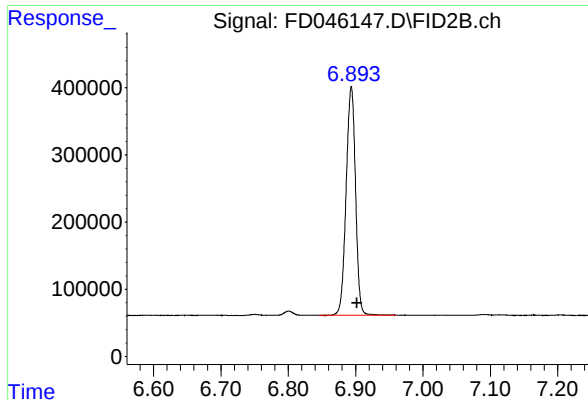
#3 A~Naphthalene (C11.7)

R.T.: 5.845 min
Delta R.T.: -0.007 min
Response: 3480500
Conc: 20.10 ug/ml



#4 n-Dodecane (C12)

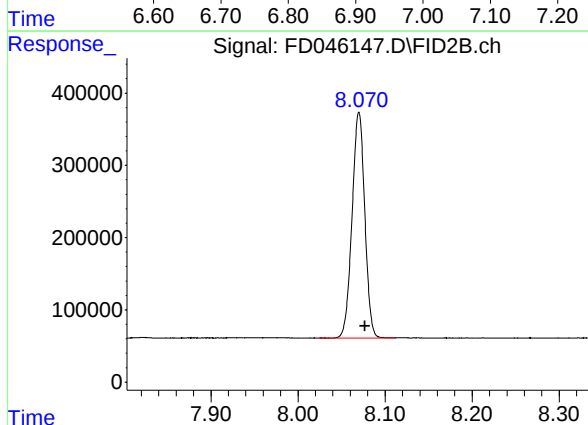
R.T.: 6.286 min
Delta R.T.: -0.006 min
Response: 3224583
Conc: 19.95 ug/ml



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

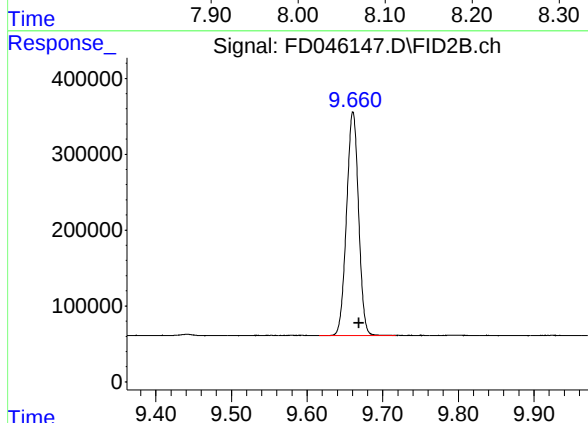
R.T.: 6.894 min
Delta R.T.: -0.008 min
Response: 3300615
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



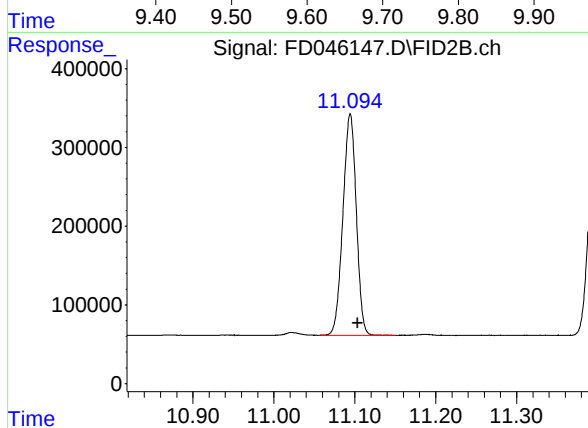
#6 n-Tetradecane (C14)

R.T.: 8.070 min
Delta R.T.: -0.007 min
Response: 3172335
Conc: 19.94 ug/ml



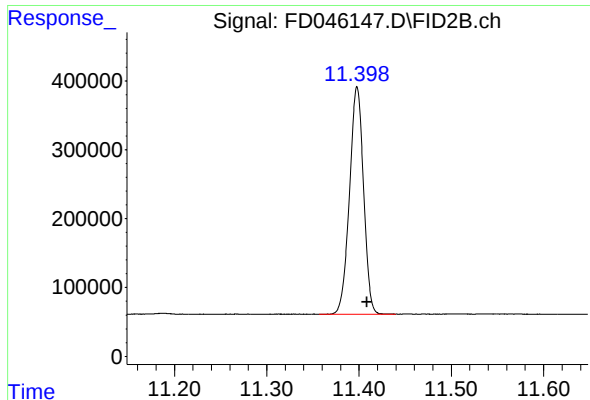
#7 n-Hexadecane (C16)

R.T.: 9.661 min
Delta R.T.: -0.008 min
Response: 3252268
Conc: 19.99 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.094 min
Delta R.T.: -0.009 min
Response: 3232546
Conc: 20.04 ug/ml



#9 ortho-Terphenyl (SURR)

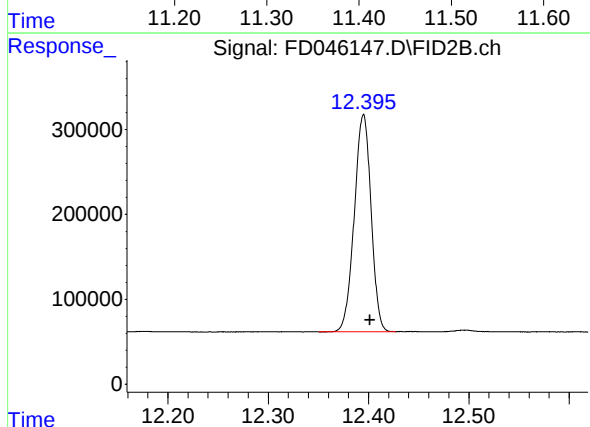
R.T.: 11.398 min
Delta R.T.: -0.011 min
Response: 3486560
Conc: 20.00 ug/ml

Instrument :

FID_D

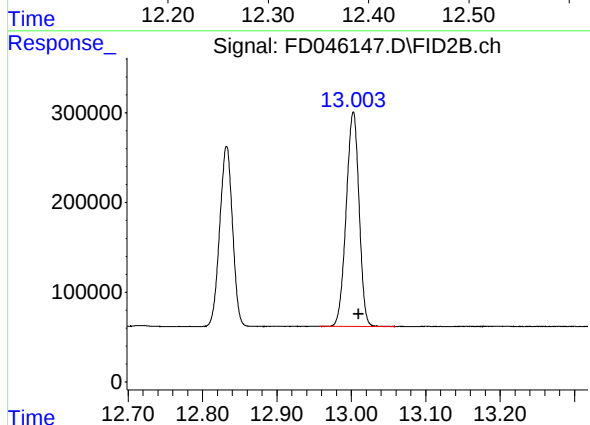
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



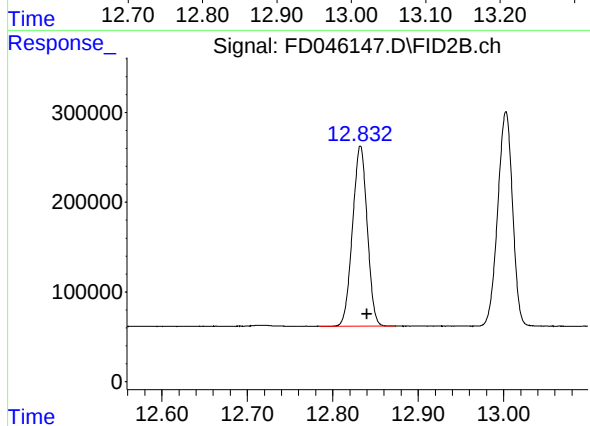
#10 n-Eicosane (C20)

R.T.: 12.395 min
Delta R.T.: -0.006 min
Response: 2978959
Conc: 19.96 ug/ml



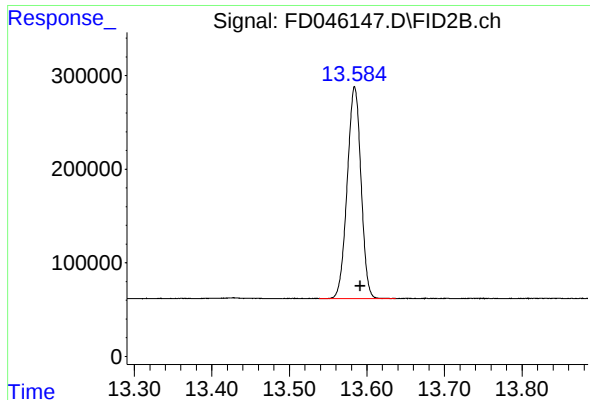
#11 n-Heneicosane (C21)

R.T.: 13.003 min
Delta R.T.: -0.007 min
Response: 2882437
Conc: 19.97 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.833 min
Delta R.T.: -0.008 min
Response: 2401130
Conc: 19.96 ug/ml



#13 n-Docosane (C22)

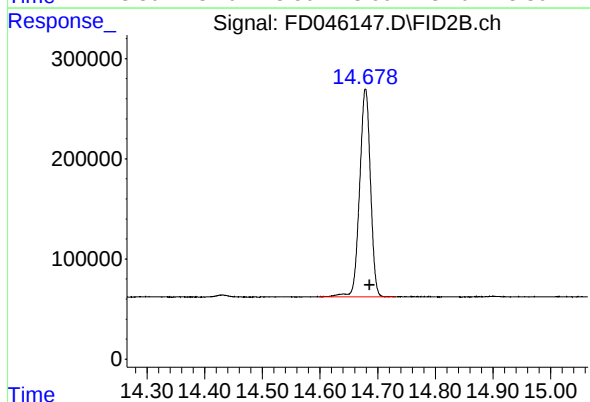
R.T.: 13.584 min
Delta R.T.: -0.007 min
Response: 2797503
Conc: 20.02 ug/ml

Instrument :

FID_D

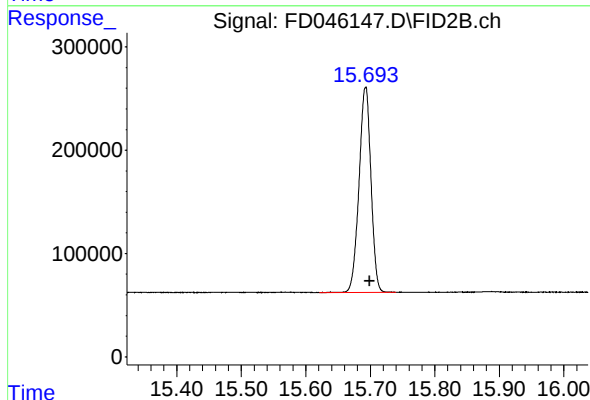
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



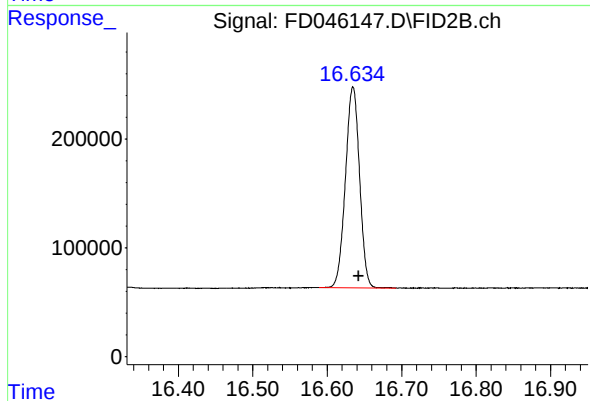
#14 n-Tetracosane (C24)

R.T.: 14.679 min
Delta R.T.: -0.007 min
Response: 2711851
Conc: 19.69 ug/ml



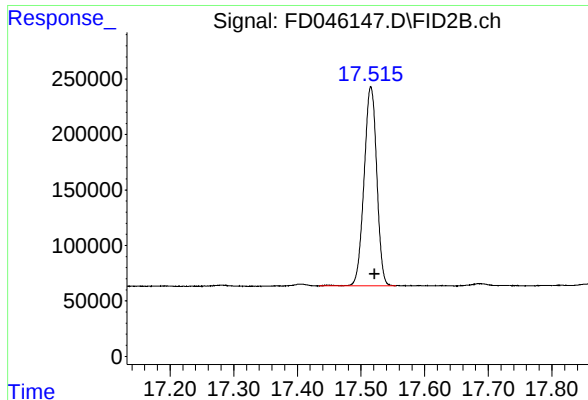
#15 n-Hexacosane (C26)

R.T.: 15.693 min
Delta R.T.: -0.006 min
Response: 2553175
Conc: 19.97 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.635 min
Delta R.T.: -0.008 min
Response: 2438571
Conc: 20.03 ug/ml



#17 n-Tricontane (C30)

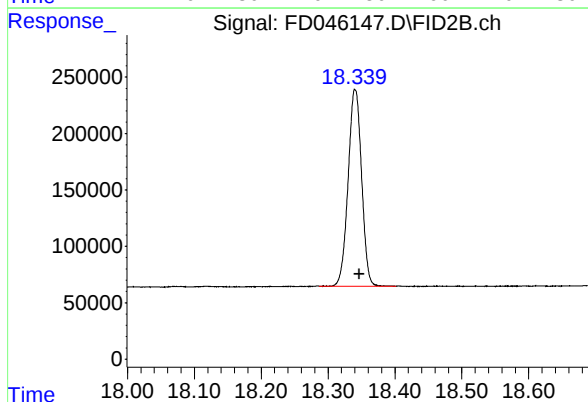
R.T.: 17.515 min
Delta R.T.: -0.006 min
Response: 2482815
Conc: 20.06 ug/ml

Instrument :

FID_D

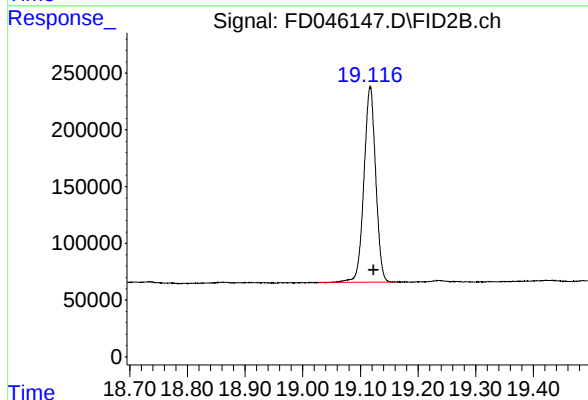
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



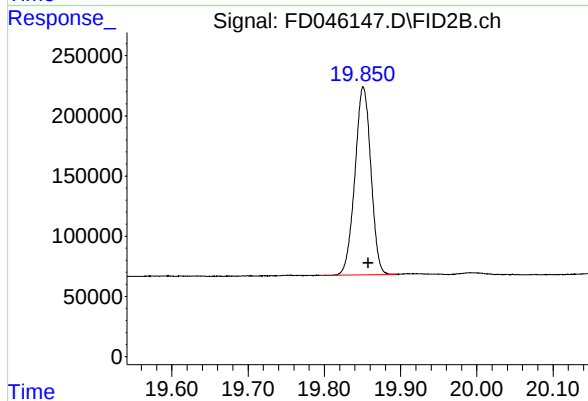
#18 n-Dotriacontane (C32)

R.T.: 18.340 min
Delta R.T.: -0.006 min
Response: 2442646
Conc: 20.00 ug/ml



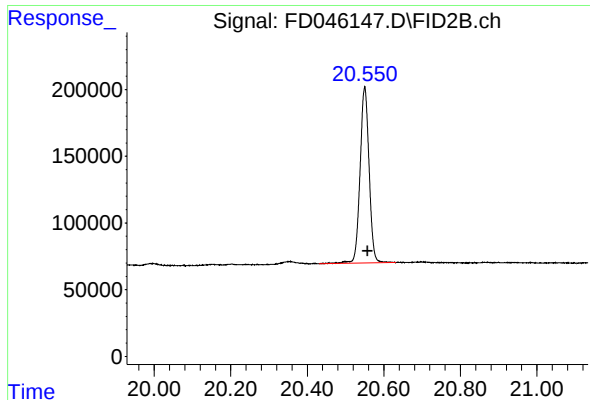
#19 n-Tetratriacontane (C34)

R.T.: 19.117 min
Delta R.T.: -0.006 min
Response: 2439316
Conc: 19.07 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.851 min
Delta R.T.: -0.007 min
Response: 2268289
Conc: 19.81 ug/ml



#21 n-Octatriacontane (C38)

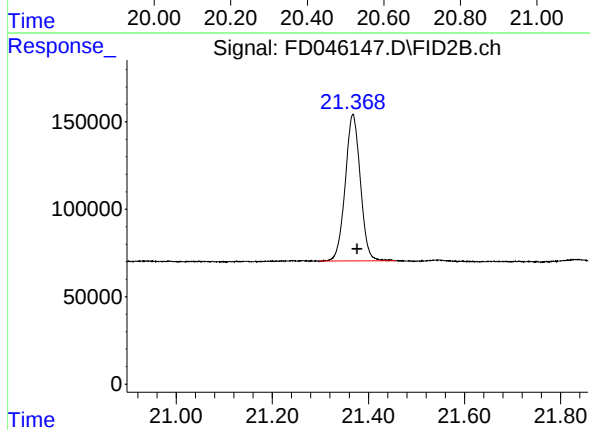
R.T.: 20.550 min
Delta R.T.: -0.008 min
Response: 2155235
Conc: 19.14 ug/ml

Instrument :

FID_D

ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



#22 n-Tetracontane (C40)

R.T.: 21.368 min
Delta R.T.: -0.009 min
Response: 1832553
Conc: 17.08 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD072023AL\
 Data File : FD046147.D
 Signal(s) : FID2B.ch
 Acq On : 20 Jul 2023 14:40
 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 072023.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	3.230	3.206	3.269	PB	382506	3145829	90.23%	5.083%
2	4.284	4.244	4.328	BB	367571	3206011	91.95%	5.181%
3	5.845	5.802	5.907	BB	382623	3480500	99.83%	5.624%
4	6.286	6.245	6.335	BB	336955	3224583	92.49%	5.211%
5	6.894	6.846	6.960	BB	340588	3300615	94.67%	5.333%
6	8.070	8.024	8.112	BB	312501	3172335	90.99%	5.126%
7	9.661	9.616	9.717	BB	294977	3252268	93.28%	5.255%
8	11.094	11.056	11.151	VB	281736	3232546	92.71%	5.223%
9	11.398	11.356	11.440	BB	330280	3486560	100.00%	5.634%
10	12.395	12.351	12.427	BB	256156	2978959	85.44%	4.814%
11	12.833	12.784	12.874	BB	200862	2401130	68.87%	3.880%
12	13.003	12.956	13.060	BB	239485	2882437	82.67%	4.658%
13	13.584	13.538	13.637	BB	226458	2797503	80.24%	4.520%
14	14.679	14.598	14.731	BB	207354	2711851	77.78%	4.382%
15	15.693	15.621	15.740	BB	198812	2553175	73.23%	4.126%
16	16.635	16.589	16.692	BB	184702	2438571	69.94%	3.940%
17	17.515	17.434	17.555	BB	179691	2482815	71.21%	4.012%
18	18.340	18.286	18.401	BB	174024	2442646	70.06%	3.947%
19	19.117	19.028	19.161	BB	171518	2439316	69.96%	3.942%
20	19.851	19.793	19.894	BV	155823	2268289	65.06%	3.665%
21	20.550	20.431	20.631	BB	131903	2155235	61.82%	3.483%
22	21.368	21.297	21.457	BB	83910	1832553	52.56%	2.961%
Sum of corrected areas:						61885724		

Aliphatic EPH 072023.M Fri Jul 21 02:31:14 2023