

Initial Calibration Report for SequenceID : FG021224AL

AreaCount

Parameter Range	FG013489.D	FG013490.D	FG013491.D	FG013492.D	FG013493.D	
Aliphatic C9-C12	36654110.000	18454490.000	7946970.000	4378541.000	2032915.000	
Aliphatic C12-C16	25081748.000	12654021.000	5440875.000	2983155.000	1393276.000	
Aliphatic C16-C21	37094276.000	18743967.000	8045146.000	4407802.000	2060962.000	
Aliphatic C21-C28	45844534.000	23155350.000	9920357.000	5433405.000	2543519.000	
Aliphatic C28-C40	59276497.000	30346179.000	13004569.000	7234021.000	3350846.000	
Aliphatic EPH	203951165.000	103354007.000	44357917.000	24436924.000	11381518.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aliphatic C9-C12	131827.7666662	7.433				
Aliphatic C12-C16	135291.235	7.236				
Aliphatic C16-C21	133403.4666662	7.168				
Aliphatic C21-C28	123480.7245	7.067				
Aliphatic C28-C40	108116.2766662	8.054				
Aliphatic EPH	122716.4848884	7.458				

Concentration

Parameter Range	FG013489.D	FG013490.D	FG013491.D	FG013492.D	FG013493.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	FG013489.D	FG013490.D	FG013491.D	FG013492.D	FG013493.D	
Aliphatic C9-C12	122180.366666	123029.933333	132449.500000	145951.366666	135527.666666	
Aliphatic C12-C16	125408.740000	126540.210000	136021.875000	149157.750000	139327.600000	
Aliphatic C16-C21	123647.586666	124959.780000	134085.766666	146926.733333	137397.466666	
Aliphatic C21-C28	114611.335000	115776.750000	124004.462500	135835.125000	127175.950000	
Aliphatic C28-C40	98794.161666	101153.930000	108371.408333	120567.016666	111694.866666	



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

Initial Calibration Report for SequenceID : FG021224AL

Aliphatic EPH	113306.202777	114837.785555	123216.436111	135760.688888	126461.311111	
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Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG021224AL\
 Data File : FG013489.D
 Signal(s) : FID1A.ch
 Acq On : 12 Feb 2024 14:24
 Operator : YP\AJ
 Sample : 100 PPM ALIPHATIC HC STD1
 Misc :
 ALS Vial : 61 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 100 PPM ALIPHATIC HC STD1

Integration File: autoint1.e
 Quant Time: Feb 12 22:34:44 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 021224.M
 Quant Title : GC Extractables
 QLast Update : Mon Feb 12 22:34:34 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.976	13374474	96.120 ug/ml
Spiked Amount 50.000		Recovery =	192.24%
12) S 1-chlorooctadecane (S...	13.415	10162230	96.175 ug/ml
Spiked Amount 50.000		Recovery =	192.35%
Target Compounds			
1) T n-Nonane (C9)	3.333	11972312	95.956 ug/ml
2) T n-Decane (C10)	4.588	12261792	95.976 ug/ml
3) T A~Naphthalene (C11.7)	6.294	13436386	96.032 ug/ml
4) T n-Dodecane (C12)	6.758	12420006	95.969 ug/ml
5) T A~2-methylnaphthalene...	7.394	13026769	96.050 ug/ml
6) T n-Tetradecane (C14)	8.591	12346010	95.957 ug/ml
7) T n-Hexadecane (C16)	10.205	12735738	95.925 ug/ml
8) T n-Octadecane (C18)	11.656	12825721	95.925 ug/ml
10) T n-Eicosane (C20)	12.970	12258216	95.963 ug/ml
11) T n-Heneicosane (C21)	13.584	12010339	95.963 ug/ml
13) T n-Docosane (C22)	14.173	11894178	95.956 ug/ml
14) T n-Tetracosane (C24)	15.280	11687542	95.991 ug/ml
15) T n-Hexacosane (C26)	16.304	11333104	96.075 ug/ml
16) T n-Octacosane (C28)	17.259	10929710	96.248 ug/ml
17) T n-Tricontane (C30)	18.150	10831685	95.865 ug/ml
18) T n-Dotriacontane (C32)	18.985	10407689	95.724 ug/ml
19) T n-Tetratriacontane (C34)	19.770	9970274	95.631 ug/ml
20) T n-Hexatriacontane (C36)	20.513	9524790	95.513 ug/ml
21) T n-Octatriacontane (C38)	21.268	9378640	95.008 ug/ml
22) T n-Tetracontane (C40)	22.215	9163419	94.383 ug/ml

(f)=RT Delta > 1/2 Window

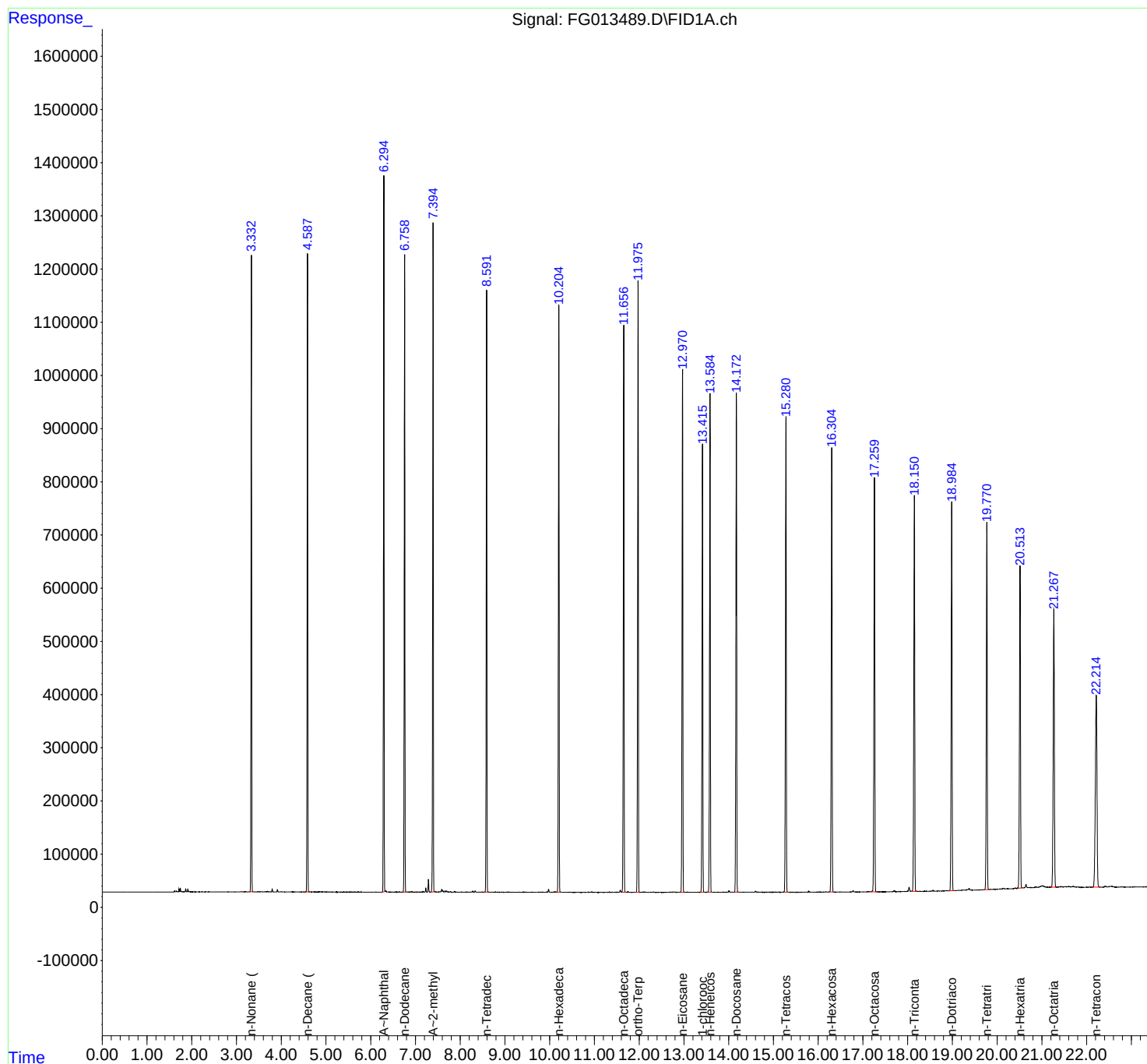
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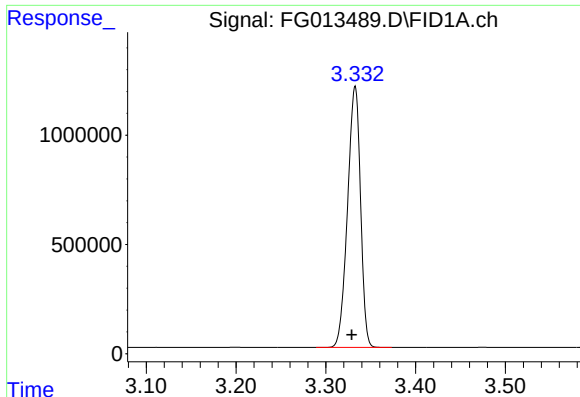
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Data File : FG013489.D
Signal(s) : FID1A.ch
Acq On : 12 Feb 2024 14:24
Operator : YP\AJ
Sample : 100 PPM ALIPHATIC HC STD1
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
100 PPM ALIPHATIC HC STD1

Integration File: autoint1.e
Quant Time: Feb 12 22:34:44 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 021224.M
Quant Title : GC Extractables
QLast Update : Mon Feb 12 22:34:34 2024
Response via : Initial Calibration
Integrator: ChemStation

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

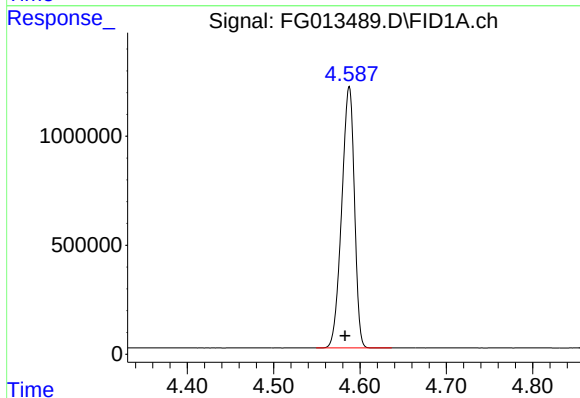




#1 n-Nonane (C9)

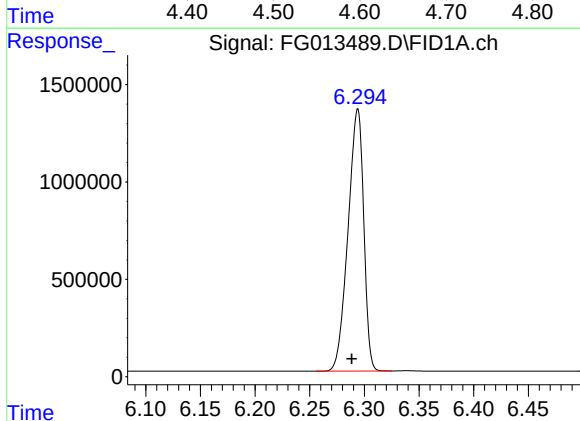
R.T.: 3.333 min
Delta R.T.: 0.004 min
Response: 11972312
Conc: 95.96 ug/ml

Instrument :
FID_G
ClientSampleId :
100 PPM ALIPHATIC HC STD1



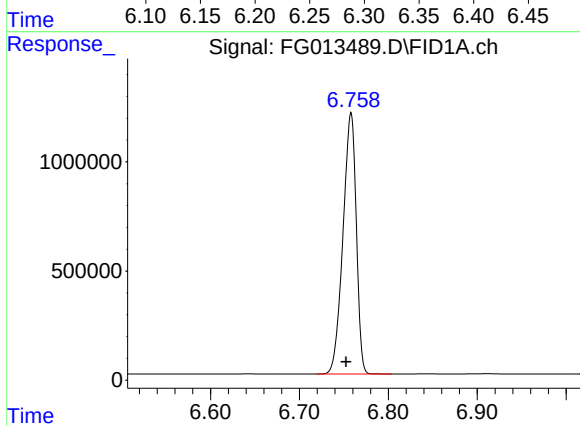
#2 n-Decane (C10)

R.T.: 4.588 min
Delta R.T.: 0.005 min
Response: 12261792
Conc: 95.98 ug/ml



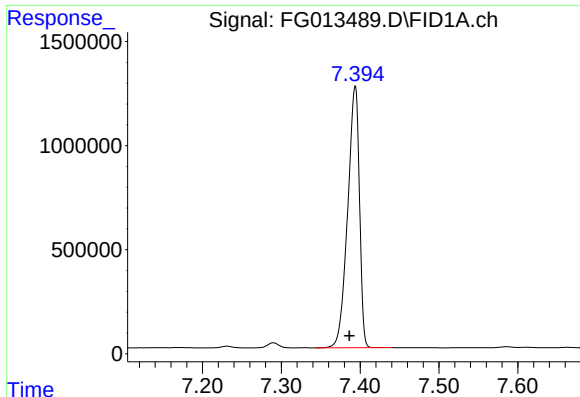
#3 A~Naphthalene (C11.7)

R.T.: 6.294 min
Delta R.T.: 0.005 min
Response: 13436386
Conc: 96.03 ug/ml



#4 n-Dodecane (C12)

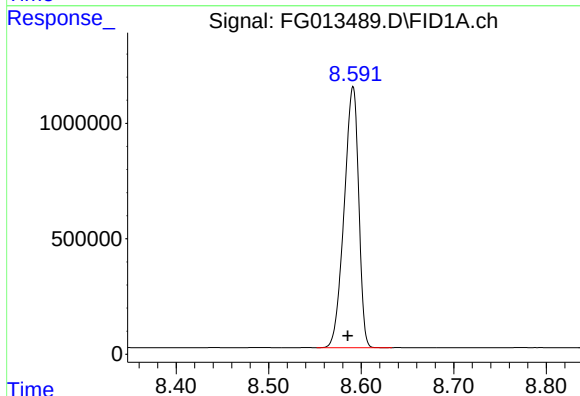
R.T.: 6.758 min
Delta R.T.: 0.005 min
Response: 12420006
Conc: 95.97 ug/ml



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

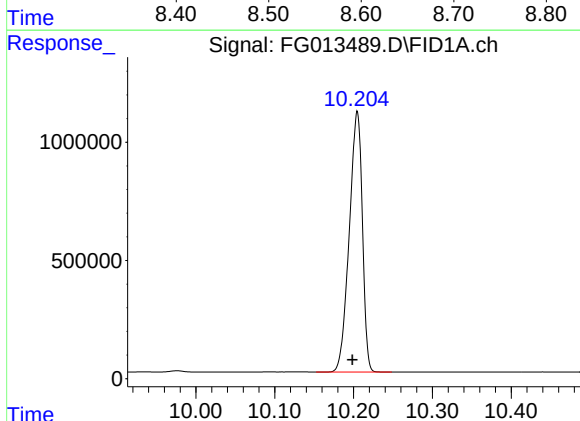
R.T.: 7.394 min
Delta R.T.: 0.007 min
Response: 13026769
Conc: 96.05 ug/ml

Instrument :
FID_G
ClientSampleId :
100 PPM ALIPHATIC HC STD1



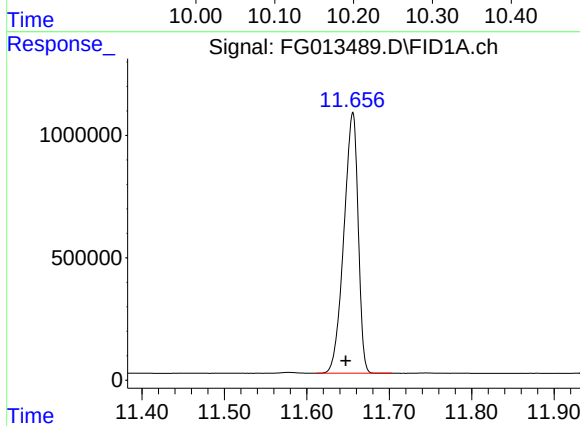
#6 n-Tetradecane (C14)

R.T.: 8.591 min
Delta R.T.: 0.006 min
Response: 12346010
Conc: 95.96 ug/ml



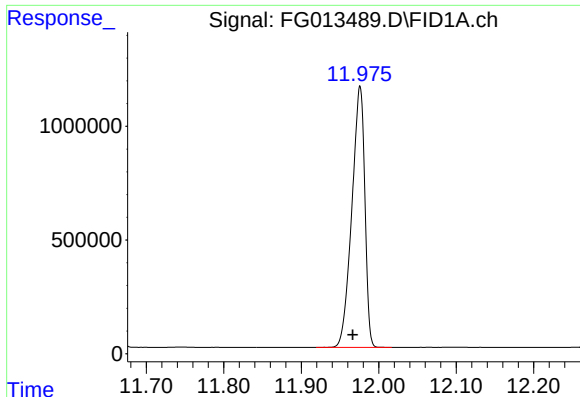
#7 n-Hexadecane (C16)

R.T.: 10.205 min
Delta R.T.: 0.006 min
Response: 12735738
Conc: 95.92 ug/ml



#8 n-Octadecane (C18)

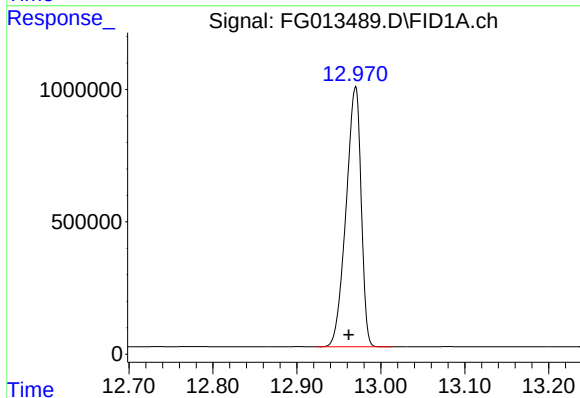
R.T.: 11.656 min
Delta R.T.: 0.009 min
Response: 12825721
Conc: 95.93 ug/ml



#9 ortho-Terphenyl (SURR)

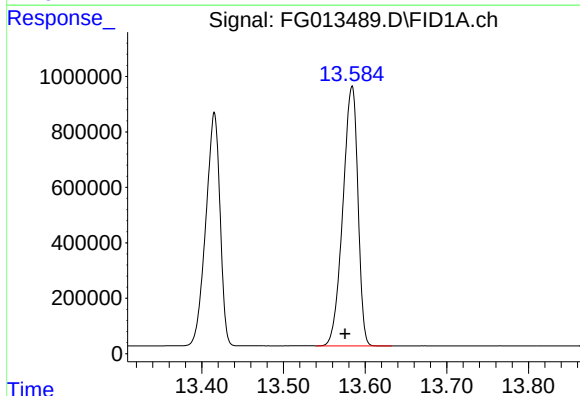
R.T.: 11.976 min
Delta R.T.: 0.009 min
Response: 13374474
Conc: 96.12 ug/ml

Instrument :
FID_G
ClientSampleId :
100 PPM ALIPHATIC HC STD1



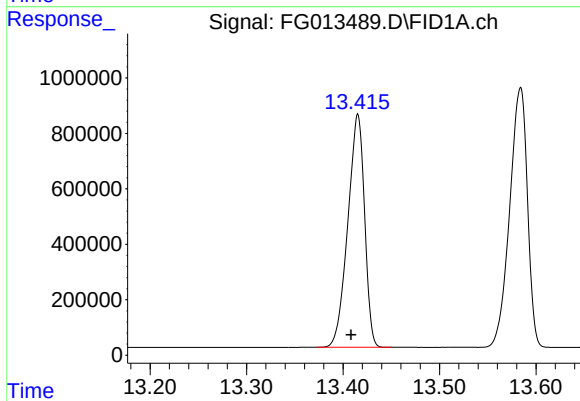
#10 n-Eicosane (C20)

R.T.: 12.970 min
Delta R.T.: 0.008 min
Response: 12258216
Conc: 95.96 ug/ml



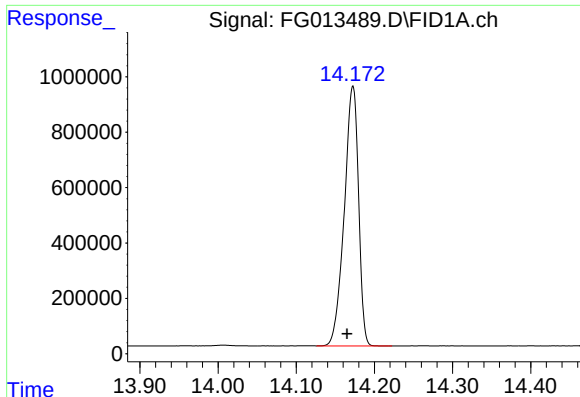
#11 n-Heneicosane (C21)

R.T.: 13.584 min
Delta R.T.: 0.009 min
Response: 12010339
Conc: 95.96 ug/ml



#12 1-chlorooctadecane (SURR)

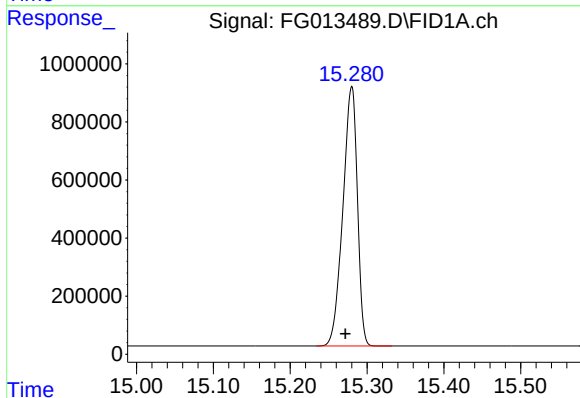
R.T.: 13.415 min
Delta R.T.: 0.007 min
Response: 10162230
Conc: 96.18 ug/ml



#13 n-Docosane (C22)

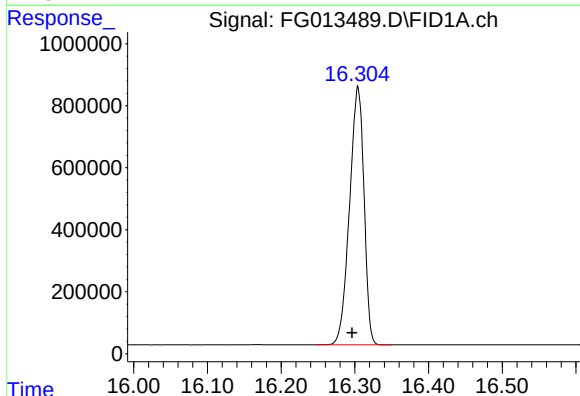
R.T.: 14.173 min
Delta R.T.: 0.007 min
Response: 11894178
Conc: 95.96 ug/ml

Instrument :
FID_G
ClientSampleId :
100 PPM ALIPHATIC HC STD1



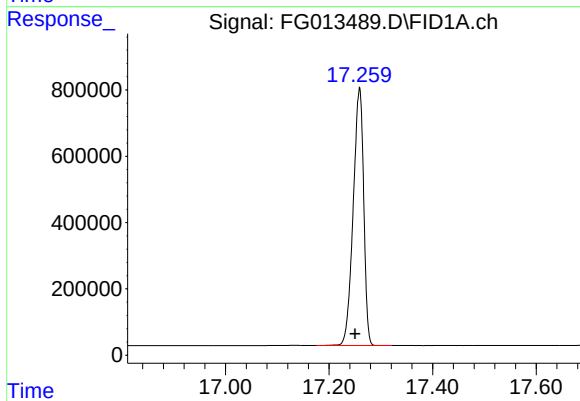
#14 n-Tetracosane (C24)

R.T.: 15.280 min
Delta R.T.: 0.008 min
Response: 11687542
Conc: 95.99 ug/ml



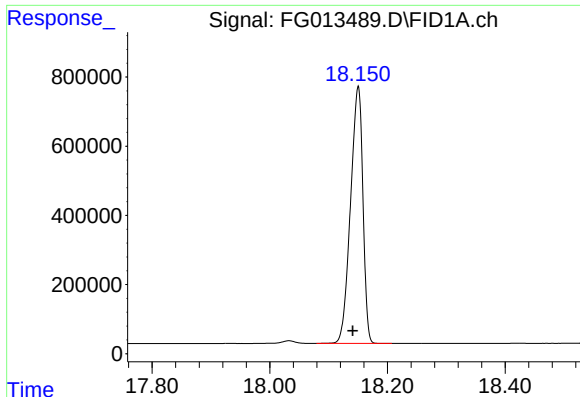
#15 n-Hexacosane (C26)

R.T.: 16.304 min
Delta R.T.: 0.008 min
Response: 11333104
Conc: 96.07 ug/ml



#16 n-Octacosane (C28)

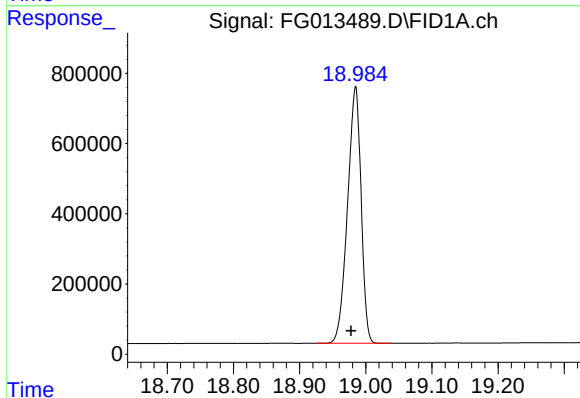
R.T.: 17.259 min
Delta R.T.: 0.009 min
Response: 10929710
Conc: 96.25 ug/ml



#17 n-Tricontane (C30)

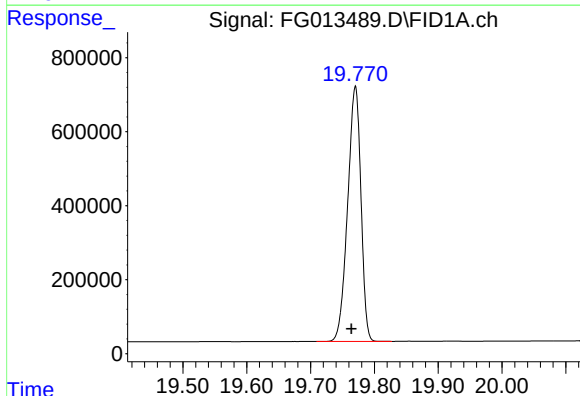
R.T.: 18.150 min
Delta R.T.: 0.009 min
Response: 10831685
Conc: 95.87 ug/ml

Instrument :
FID_G
ClientSampleId :
100 PPM ALIPHATIC HC STD1



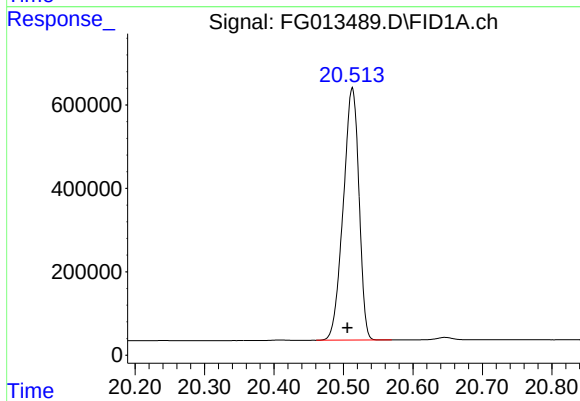
#18 n-Dotriacontane (C32)

R.T.: 18.985 min
Delta R.T.: 0.007 min
Response: 10407689
Conc: 95.72 ug/ml



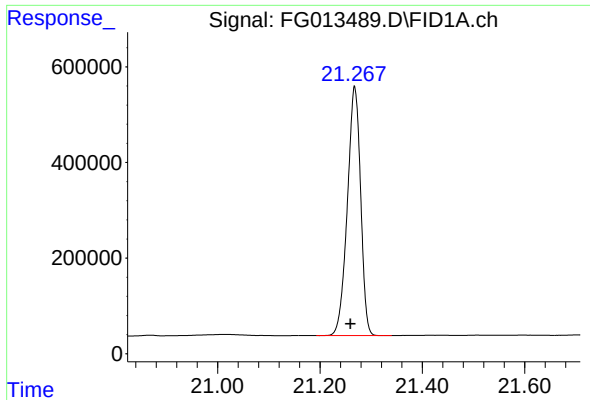
#19 n-Tetratriacontane (C34)

R.T.: 19.770 min
Delta R.T.: 0.006 min
Response: 9970274
Conc: 95.63 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.513 min
Delta R.T.: 0.007 min
Response: 9524790
Conc: 95.51 ug/ml



#21 n-Octatriacontane (C38)

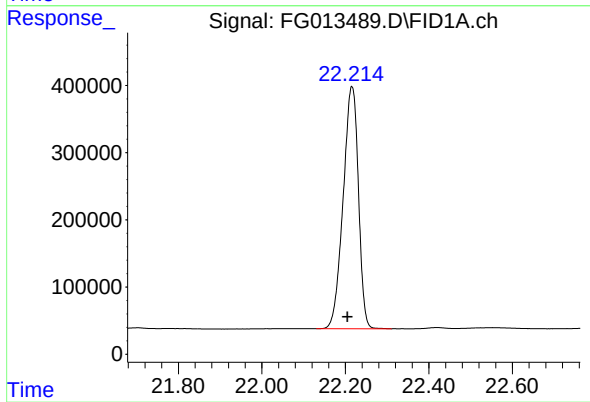
R.T.: 21.268 min
Delta R.T.: 0.008 min
Response: 9378640
Conc: 95.01 ug/ml

Instrument :

FID_G

ClientSampleId :

100 PPM ALIPHATIC HC STD1



#22 n-Tetracontane (C40)

R.T.: 22.215 min
Delta R.T.: 0.011 min
Response: 9163419
Conc: 94.38 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG021224AL\
Data File : FG013489.D
Signal(s) : FID1A.ch
Acq On : 12 Feb 2024 14:24
Sample : 100 PPM ALIPHATIC HC STD1
Misc :
ALS Vial : 61 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 021224.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.333	3.289	3.373	BB	1195656	11972312	89.10%	4.714%
2	4.588	4.549	4.637	BB	1200220	12261792	91.26%	4.828%
3	6.294	6.256	6.325	BV	1349271	13436386	100.00%	5.291%
4	6.758	6.719	6.804	BB	1199523	12420006	92.44%	4.891%
5	7.394	7.344	7.440	BB	1259901	13026769	96.95%	5.130%
6	8.591	8.552	8.633	BB	1130823	12346010	91.88%	4.862%
7	10.205	10.153	10.248	BB	1103263	12735738	94.79%	5.015%
8	11.656	11.612	11.703	BB	1066174	12825721	95.46%	5.050%
9	11.976	11.919	12.017	BB	1149726	13374474	99.54%	5.267%
10	12.970	12.923	13.013	BB	982549	12258216	91.23%	4.827%
11	13.415	13.373	13.451	BB	841562	10162230	75.63%	4.002%
12	13.584	13.540	13.633	BB	937861	12010339	89.39%	4.729%
13	14.173	14.126	14.223	BB	938816	11894178	88.52%	4.684%
14	15.280	15.234	15.333	BB	893680	11687542	86.98%	4.602%
15	16.304	16.248	16.350	BB	834961	11333104	84.35%	4.463%
16	17.259	17.175	17.321	BB	779374	10929710	81.34%	4.304%
17	18.150	18.079	18.208	BB	743869	10831685	80.61%	4.265%
18	18.985	18.925	19.039	BB	732491	10407689	77.46%	4.098%
19	19.770	19.709	19.828	BB	690171	9970274	74.20%	3.926%
20	20.513	20.461	20.570	BBA	605462	9524790	70.89%	3.751%
21	21.268	21.193	21.340	BB	521849	9378640	69.80%	3.693%
22	22.215	22.130	22.311	BB	360405	9163419	68.20%	3.608%
Sum of corrected areas:						253951020		

Aliphatic EPH 021224.M Mon Feb 12 22:47:15 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG021224AL\
 Data File : FG013490.D
 Signal(s) : FID1A.ch
 Acq On : 12 Feb 2024 14:53
 Operator : YP\AJ
 Sample : 50 PPM ALIPHATIC HC STD2
 Misc :
 ALS Vial : 62 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 50 PPM ALIPHATIC HC STD2

Integration File: autoint1.e
 Quant Time: Feb 12 22:36:17 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 021224.M
 Quant Title : GC Extractables
 QLast Update : Mon Feb 12 22:36:05 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.970	6747138	48.984 ug/ml
Spiked Amount 50.000		Recovery =	97.97%
12) S 1-chlorooctadecane (S...	13.411	5142321	49.103 ug/ml
Spiked Amount 50.000		Recovery =	98.21%
Target Compounds			
1) T n-Nonane (C9)	3.330	6025927	48.851 ug/ml
2) T n-Decane (C10)	4.585	6171017	48.855 ug/ml
3) T A~Naphthalene (C11.7)	6.290	6778309	48.953 ug/ml
4) T n-Dodecane (C12)	6.754	6257546	48.889 ug/ml
5) T A~2-methylnaphthalene...	7.389	6576443	48.983 ug/ml
6) T n-Tetradecane (C14)	8.588	6224556	48.908 ug/ml
7) T n-Hexadecane (C16)	10.201	6429465	48.940 ug/ml
8) T n-Octadecane (C18)	11.651	6480987	48.971 ug/ml
10) T n-Eicosane (C20)	12.964	6193889	48.982 ug/ml
11) T n-Heneicosane (C21)	13.579	6069091	48.985 ug/ml
13) T n-Docosane (C22)	14.168	6011690	48.989 ug/ml
14) T n-Tetracosane (C24)	15.275	5905657	48.992 ug/ml
15) T n-Hexacosane (C26)	16.299	5721127	48.990 ug/ml
16) T n-Octacosane (C28)	17.253	5516876	49.046 ug/ml
17) T n-Tricontane (C30)	18.144	5480542	48.993 ug/ml
18) T n-Dotriacontane (C32)	18.980	5278357	49.022 ug/ml
19) T n-Tetratriacontane (C34)	19.766	5074757	49.109 ug/ml
20) T n-Hexatriacontane (C36)	20.508	4866579	49.194 ug/ml
21) T n-Octatriacontane (C38)	21.263	4849366	49.413 ug/ml
22) T n-Tetracontane (C40)	22.209	4796578	49.602 ug/ml

(f)=RT Delta > 1/2 Window

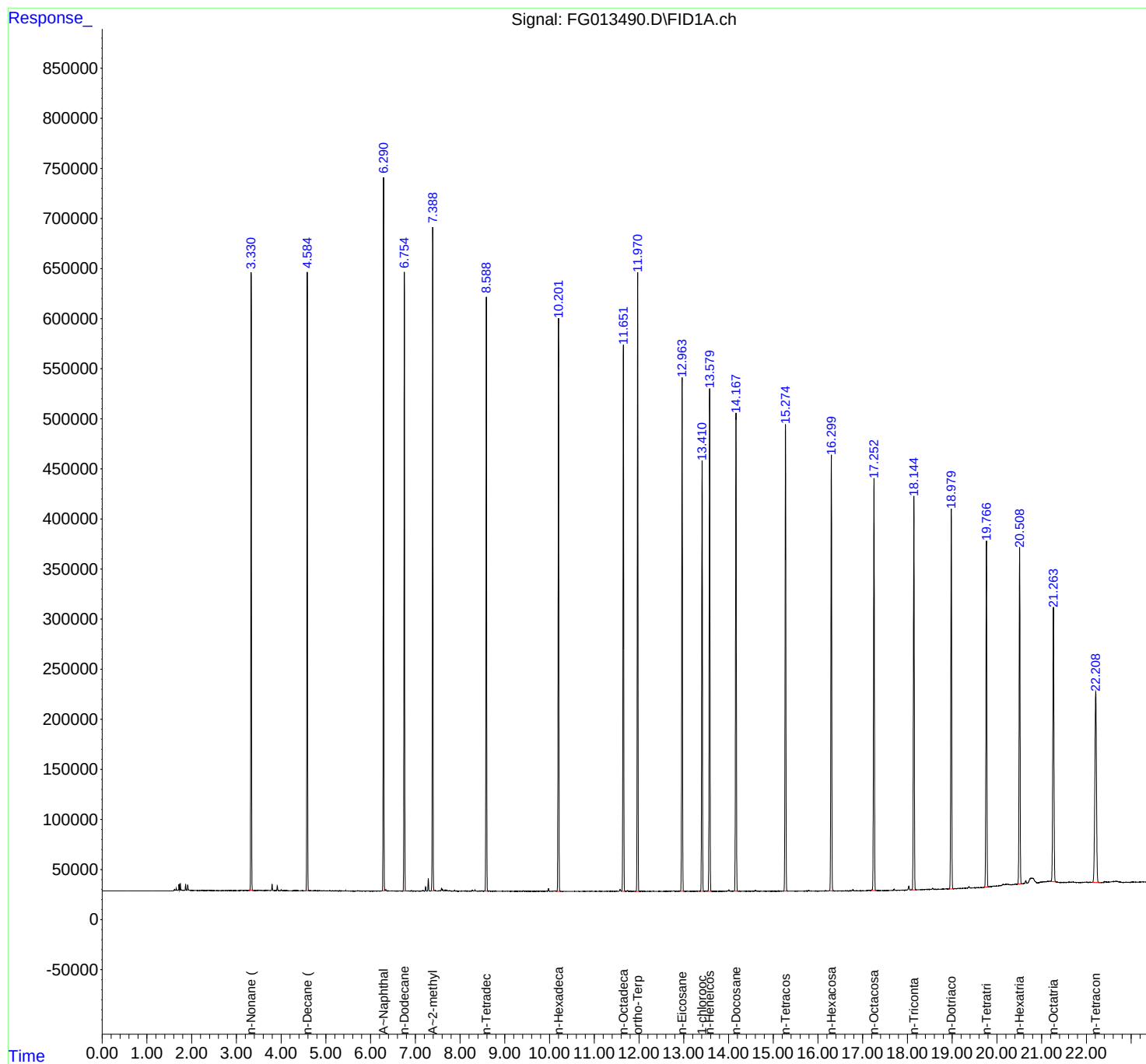
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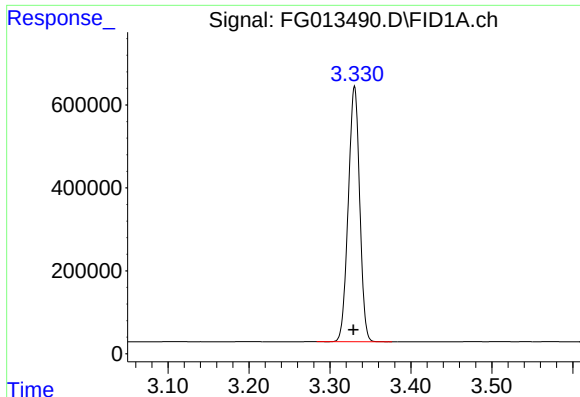
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG021224AL\
Data File : FG013490.D
Signal(s) : FID1A.ch
Acq On : 12 Feb 2024 14:53
Operator : YP\AJ
Sample : 50 PPM ALIPHATIC HC STD2
Misc :
ALS Vial : 62 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
50 PPM ALIPHATIC HC STD2

Integration File: autoint1.e
Quant Time: Feb 12 22:36:17 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 021224.M
Quant Title : GC Extractables
QLast Update : Mon Feb 12 22:36:05 2024
Response via : Initial Calibration
Integrator: ChemStation

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

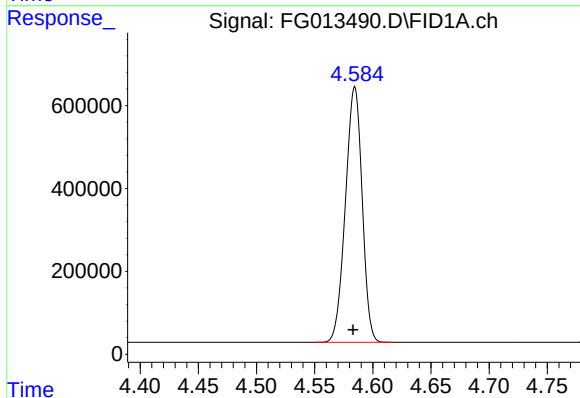




#1 n-Nonane (C9)

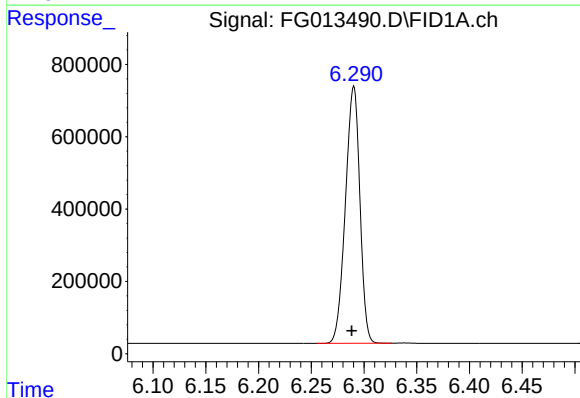
R.T.: 3.330 min
Delta R.T.: 0.001 min
Response: 6025927
Conc: 48.85 ug/ml

Instrument :
FID_G
ClientSampleId :
50 PPM ALIPHATIC HC STD2



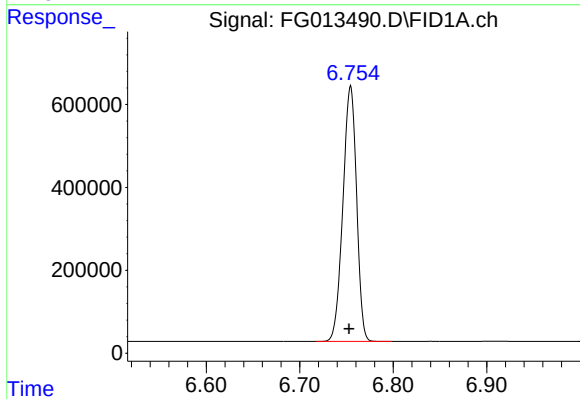
#2 n-Decane (C10)

R.T.: 4.585 min
Delta R.T.: 0.002 min
Response: 6171017
Conc: 48.86 ug/ml



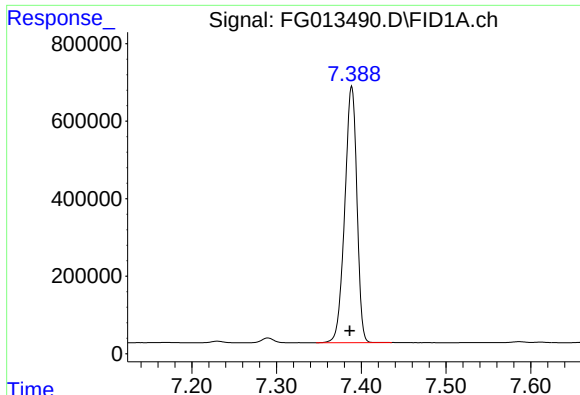
#3 A~Naphthalene (C11.7)

R.T.: 6.290 min
Delta R.T.: 0.002 min
Response: 6778309
Conc: 48.95 ug/ml



#4 n-Dodecane (C12)

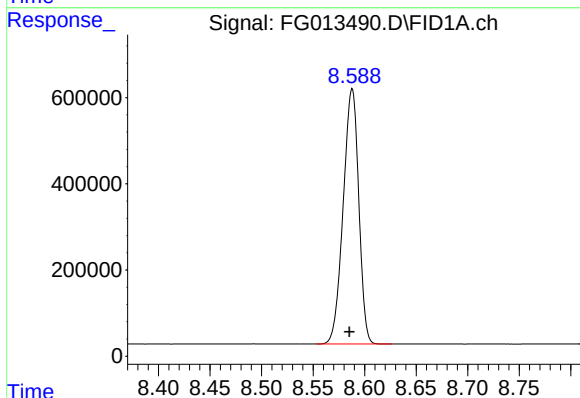
R.T.: 6.754 min
Delta R.T.: 0.002 min
Response: 6257546
Conc: 48.89 ug/ml



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

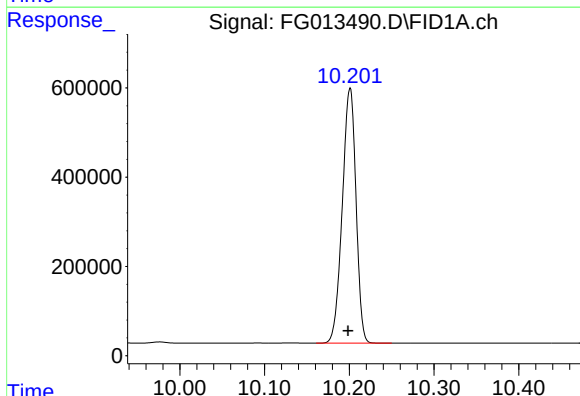
R.T.: 7.389 min
Delta R.T.: 0.002 min
Response: 6576443
Conc: 48.98 ug/ml

Instrument :
FID_G
ClientSampleId :
50 PPM ALIPHATIC HC STD2



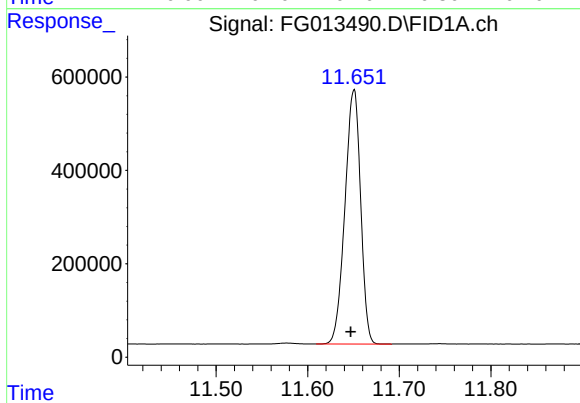
#6 n-Tetradecane (C14)

R.T.: 8.588 min
Delta R.T.: 0.003 min
Response: 6224556
Conc: 48.91 ug/ml



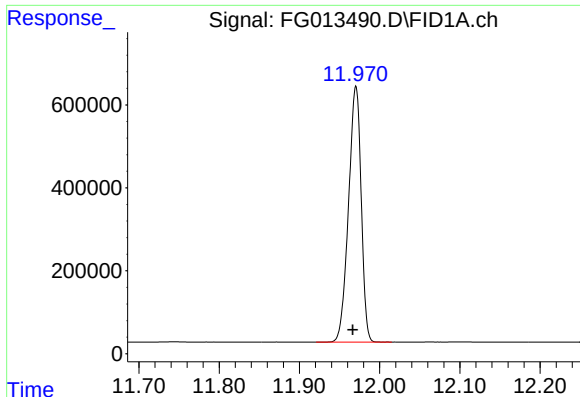
#7 n-Hexadecane (C16)

R.T.: 10.201 min
Delta R.T.: 0.002 min
Response: 6429465
Conc: 48.94 ug/ml



#8 n-Octadecane (C18)

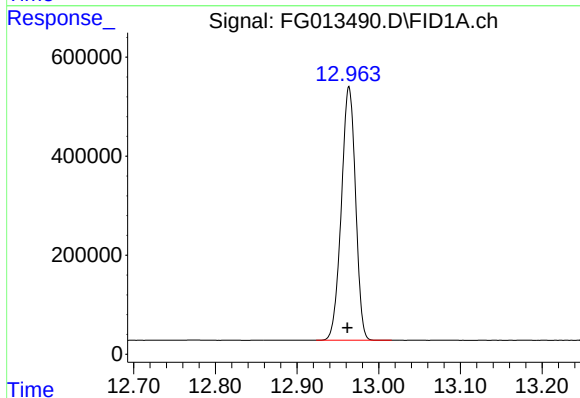
R.T.: 11.651 min
Delta R.T.: 0.003 min
Response: 6480987
Conc: 48.97 ug/ml



#9 ortho-Terphenyl (SURR)

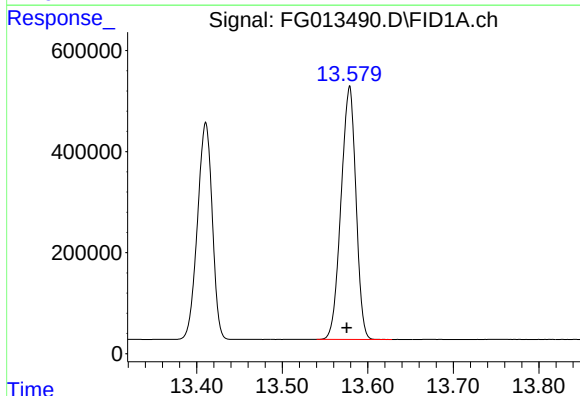
R.T.: 11.970 min
Delta R.T.: 0.004 min
Response: 6747138
Conc: 48.98 ug/ml

Instrument :
FID_G
ClientSampleId :
50 PPM ALIPHATIC HC STD2



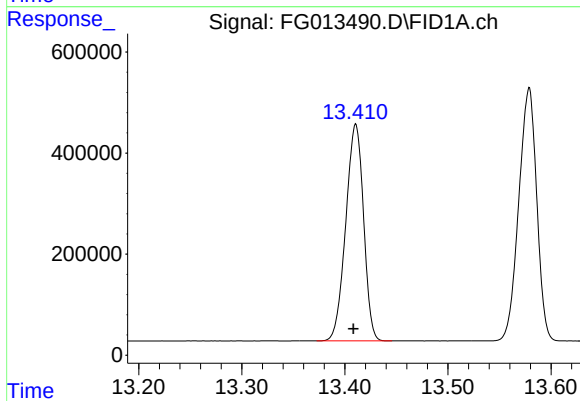
#10 n-Eicosane (C20)

R.T.: 12.964 min
Delta R.T.: 0.002 min
Response: 6193889
Conc: 48.98 ug/ml



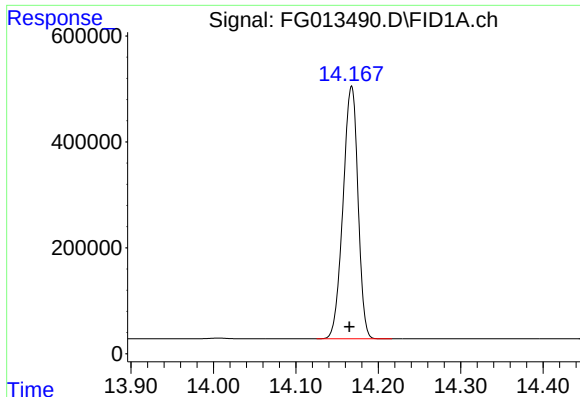
#11 n-Heneicosane (C21)

R.T.: 13.579 min
Delta R.T.: 0.003 min
Response: 6069091
Conc: 48.98 ug/ml



#12 1-chlorooctadecane (SURR)

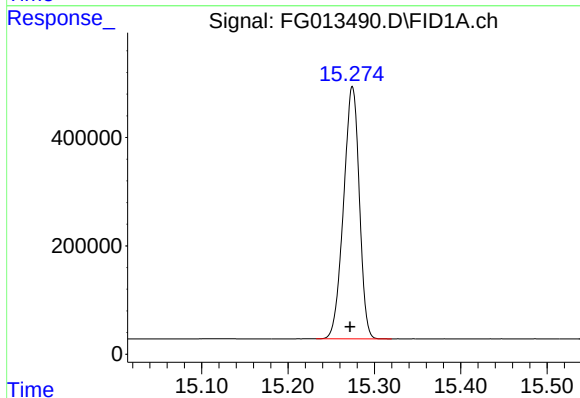
R.T.: 13.411 min
Delta R.T.: 0.002 min
Response: 5142321
Conc: 49.10 ug/ml



#13 n-Docosane (C22)

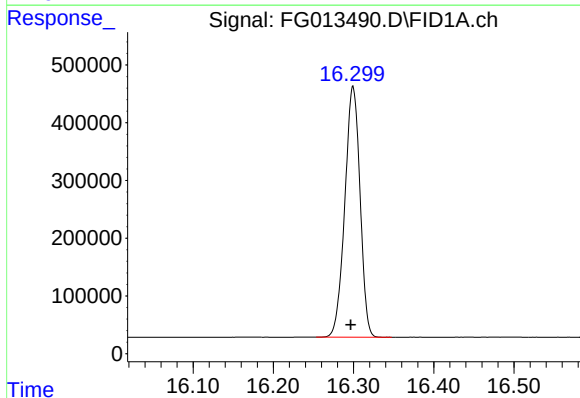
R.T.: 14.168 min
Delta R.T.: 0.002 min
Response: 6011690
Conc: 48.99 ug/ml

Instrument :
FID_G
ClientSampleId :
50 PPM ALIPHATIC HC STD2



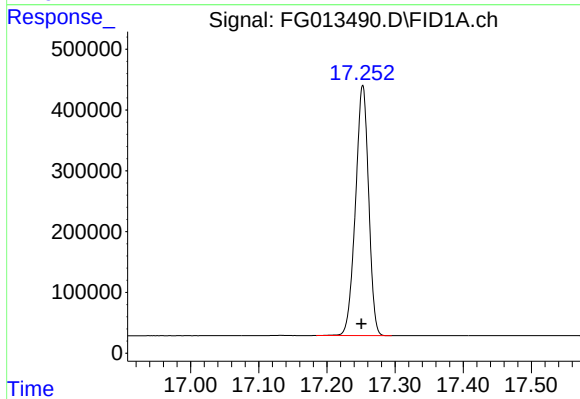
#14 n-Tetracosane (C24)

R.T.: 15.275 min
Delta R.T.: 0.003 min
Response: 5905657
Conc: 48.99 ug/ml



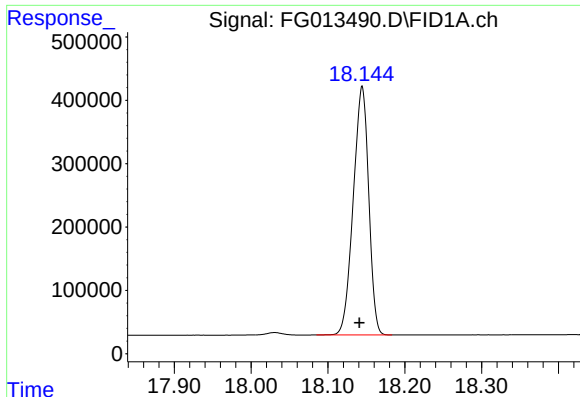
#15 n-Hexacosane (C26)

R.T.: 16.299 min
Delta R.T.: 0.003 min
Response: 5721127
Conc: 48.99 ug/ml



#16 n-Octacosane (C28)

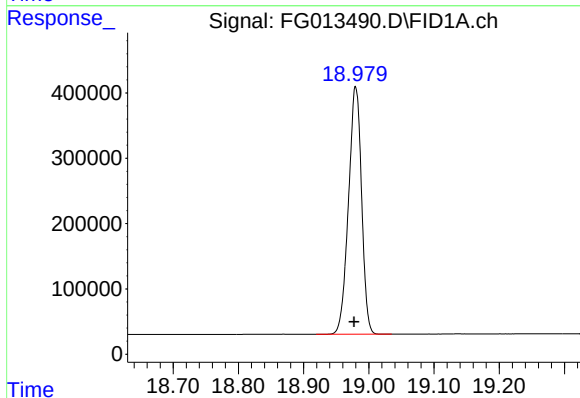
R.T.: 17.253 min
Delta R.T.: 0.002 min
Response: 5516876
Conc: 49.05 ug/ml



#17 n-Tricontane (C30)

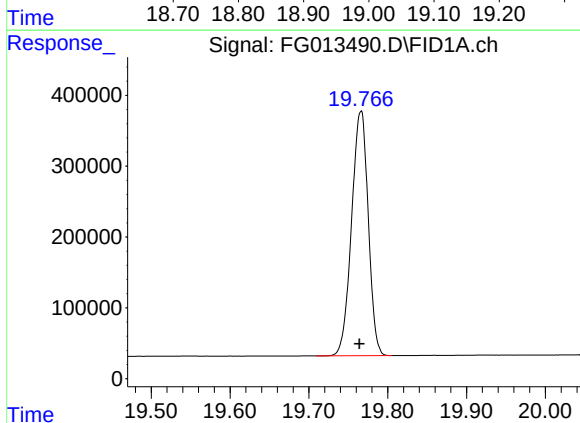
R.T.: 18.144 min
Delta R.T.: 0.004 min
Response: 5480542
Conc: 48.99 ug/ml

Instrument :
FID_G
ClientSampleId :
50 PPM ALIPHATIC HC STD2



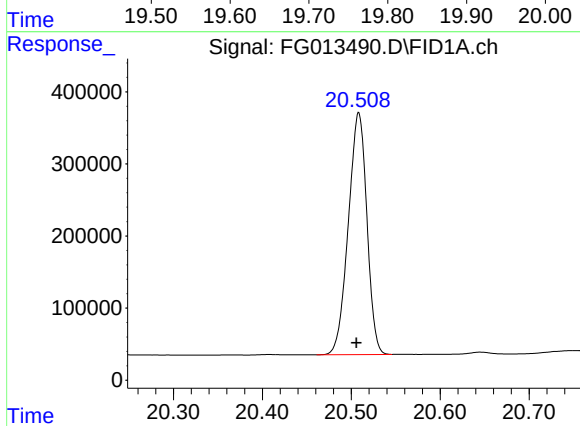
#18 n-Dotriacontane (C32)

R.T.: 18.980 min
Delta R.T.: 0.002 min
Response: 5278357
Conc: 49.02 ug/ml



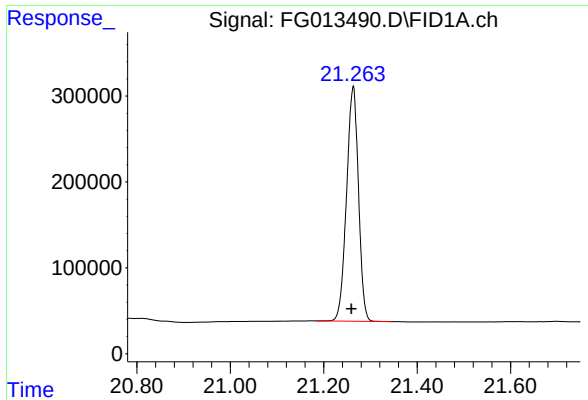
#19 n-Tetratriacontane (C34)

R.T.: 19.766 min
Delta R.T.: 0.002 min
Response: 5074757
Conc: 49.11 ug/ml



#20 n-Hexatriacontane (C36)

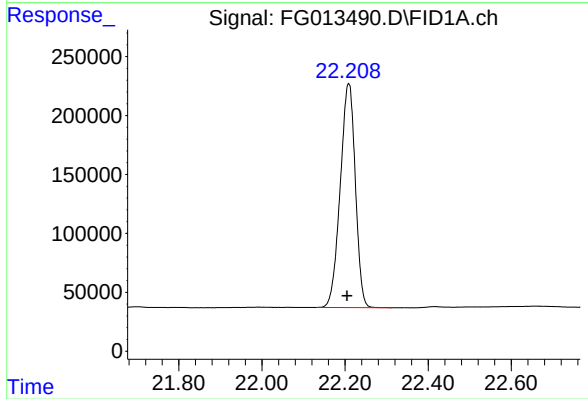
R.T.: 20.508 min
Delta R.T.: 0.003 min
Response: 4866579
Conc: 49.19 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.263 min
Delta R.T.: 0.004 min
Response: 4849366
Conc: 49.41 ug/ml

Instrument :
FID_G
ClientSampleId :
50 PPM ALIPHATIC HC STD2



#22 n-Tetracontane (C40)

R.T.: 22.209 min
Delta R.T.: 0.004 min
Response: 4796578
Conc: 49.60 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG021224AL\
Data File : FG013490.D
Signal(s) : FID1A.ch
Acq On : 12 Feb 2024 14:53
Sample : 50 PPM ALIPHATIC HC STD2
Misc :
ALS Vial : 62 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 021224.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.330	3.283	3.377	BB	616673	6025927	88.90%	4.686%
2	4.585	4.552	4.617	BB	616743	6171017	91.04%	4.799%
3	6.290	6.255	6.327	BV	710906	6778309	100.00%	5.271%
4	6.754	6.718	6.798	BB	616924	6257546	92.32%	4.866%
5	7.389	7.347	7.436	BB	661829	6576443	97.02%	5.114%
6	8.588	8.553	8.627	BB	593392	6224556	91.83%	4.840%
7	10.201	10.161	10.250	BB	571437	6429465	94.85%	5.000%
8	11.651	11.609	11.692	BB	545481	6480987	95.61%	5.040%
9	11.970	11.921	12.015	BB	617622	6747138	99.54%	5.247%
10	12.964	12.923	13.016	BB	512572	6193889	91.38%	4.816%
11	13.411	13.373	13.446	BB	429789	5142321	75.86%	3.999%
12	13.579	13.540	13.628	BB	502909	6069091	89.54%	4.719%
13	14.168	14.125	14.217	BB	477346	6011690	88.69%	4.675%
14	15.275	15.233	15.320	BB	465859	5905657	87.13%	4.592%
15	16.299	16.253	16.348	BB	435236	5721127	84.40%	4.449%
16	17.253	17.184	17.295	BB	411618	5516876	81.39%	4.290%
17	18.144	18.085	18.183	BB	393016	5480542	80.85%	4.262%
18	18.980	18.919	19.035	BB	378692	5278357	77.87%	4.105%
19	19.766	19.709	19.805	BB	345117	5074757	74.87%	3.946%
20	20.508	20.461	20.546	BB	336066	4866579	71.80%	3.784%
21	21.263	21.184	21.345	BB	274300	4849366	71.54%	3.771%
22	22.209	22.130	22.312	BB	190196	4796578	70.76%	3.730%
Sum of corrected areas:						128598218		

Aliphatic EPH 021224.M Mon Feb 12 22:47:39 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG021224AL\
 Data File : FG013491.D
 Signal(s) : FID1A.ch
 Acq On : 12 Feb 2024 15:23
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD3
 Misc :
 ALS Vial : 63 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 20 PPM ALIPHATIC HC STD3

Integration File: autoint1.e
 Quant Time: Feb 12 22:32:41 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 021224.M
 Quant Title : GC Extractables
 QLast Update : Mon Feb 12 22:32:16 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.966	2890821	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
12) S 1-chlorooctadecane (S...	13.408	2194096	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
Target Compounds			
1) T n-Nonane (C9)	3.329	2596290	20.000 ug/ml
2) T n-Decane (C10)	4.583	2657998	20.000 ug/ml
3) T A~Naphthalene (C11.7)	6.288	2909377	20.000 ug/ml
4) T n-Dodecane (C12)	6.753	2692682	20.000 ug/ml
5) T A~2-methylnaphthalene...	7.386	2819614	20.000 ug/ml
6) T n-Tetradecane (C14)	8.585	2677291	20.000 ug/ml
7) T n-Hexadecane (C16)	10.199	2763584	20.000 ug/ml
8) T n-Octadecane (C18)	11.647	2783065	20.000 ug/ml
10) T n-Eicosane (C20)	12.962	2657902	20.000 ug/ml
11) T n-Heneicosane (C21)	13.576	2604179	20.000 ug/ml
13) T n-Docosane (C22)	14.165	2579354	20.000 ug/ml
14) T n-Tetracosane (C24)	15.272	2532782	20.000 ug/ml
15) T n-Hexacosane (C26)	16.296	2451829	20.000 ug/ml
16) T n-Octacosane (C28)	17.250	2356392	20.000 ug/ml
17) T n-Tricontane (C30)	18.141	2353208	20.000 ug/ml
18) T n-Dotriacontane (C32)	18.978	2267522	20.000 ug/ml
19) T n-Tetratriacontane (C34)	19.764	2176241	20.000 ug/ml
20) T n-Hexatriacontane (C36)	20.506	2083941	20.000 ug/ml
21) T n-Octatriacontane (C38)	21.260	2072852	20.000 ug/ml
22) T n-Tetracontane (C40)	22.205	2050805	20.000 ug/ml

(f)=RT Delta > 1/2 Window

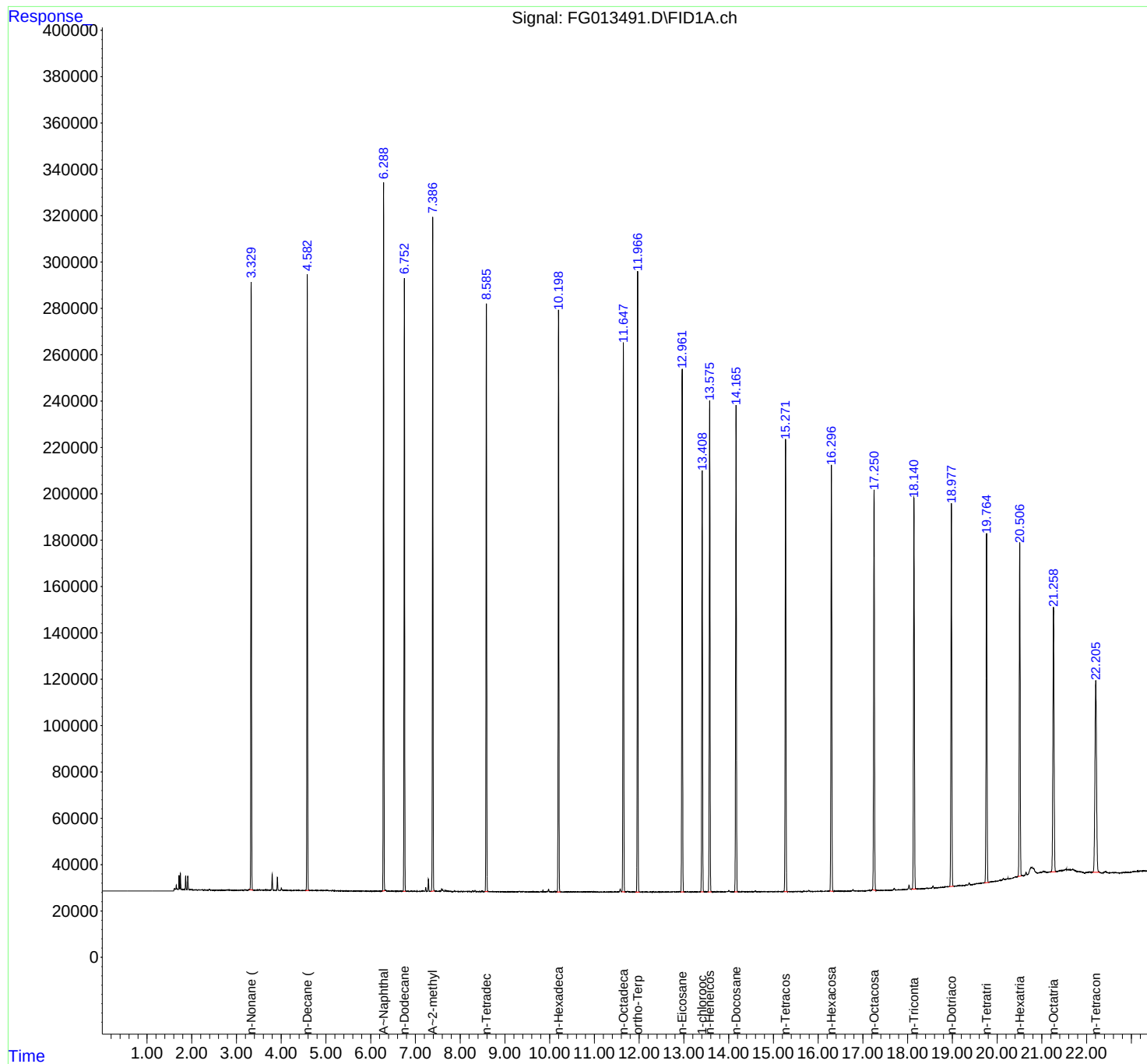
(m)=manual int.

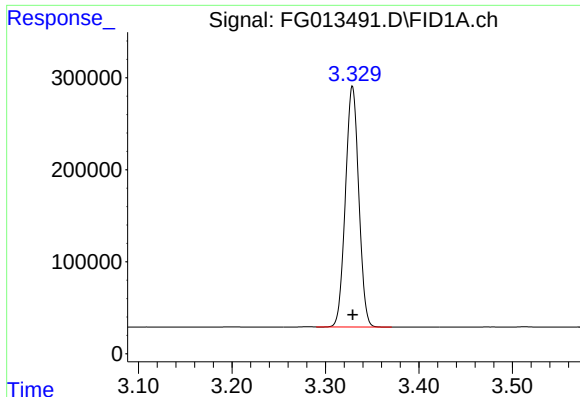
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG021224AL\
Data File : FG013491.D
Signal(s) : FID1A.ch
Acq On : 12 Feb 2024 15:23
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD3
Misc :
ALS Vial : 63 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD3

Integration File: autoint1.e
Quant Time: Feb 12 22:32:41 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 021224.M
Quant Title : GC Extractables
QLast Update : Mon Feb 12 22:32:16 2024
Response via : Initial Calibration
Integrator: ChemStation

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

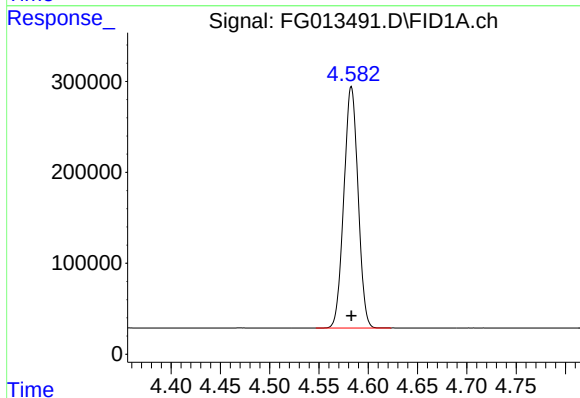




#1 n-Nonane (C9)

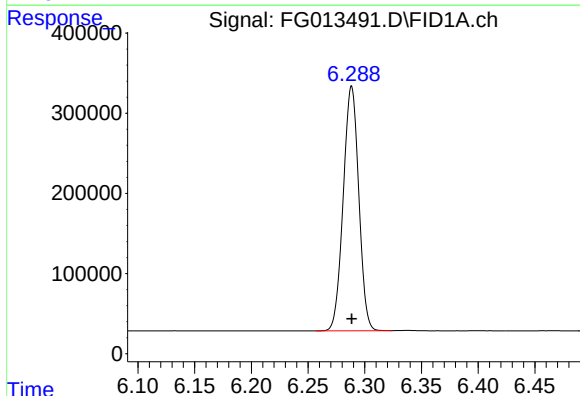
R.T.: 3.329 min
Delta R.T.: 0.000 min
Response: 2596290
Conc: 20.00 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD3



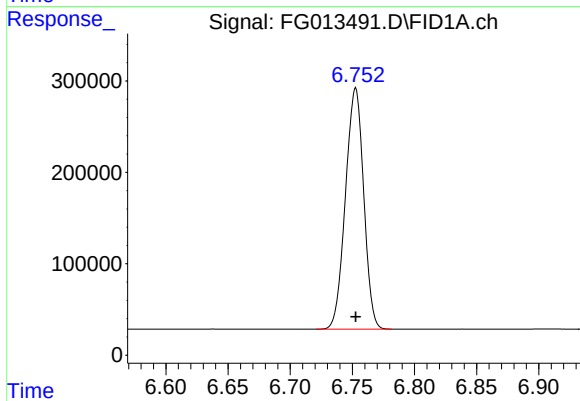
#2 n-Decane (C10)

R.T.: 4.583 min
Delta R.T.: 0.000 min
Response: 2657998
Conc: 20.00 ug/ml



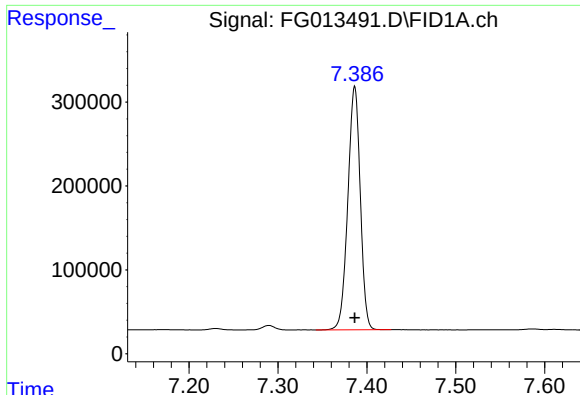
#3 A~Naphthalene (C11.7)

R.T.: 6.288 min
Delta R.T.: 0.000 min
Response: 2909377
Conc: 20.00 ug/ml



#4 n-Dodecane (C12)

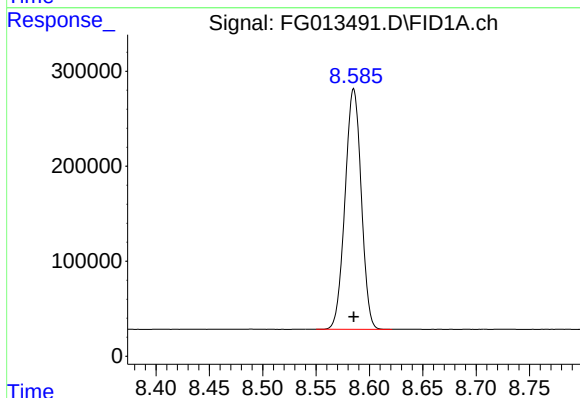
R.T.: 6.753 min
Delta R.T.: 0.000 min
Response: 2692682
Conc: 20.00 ug/ml



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

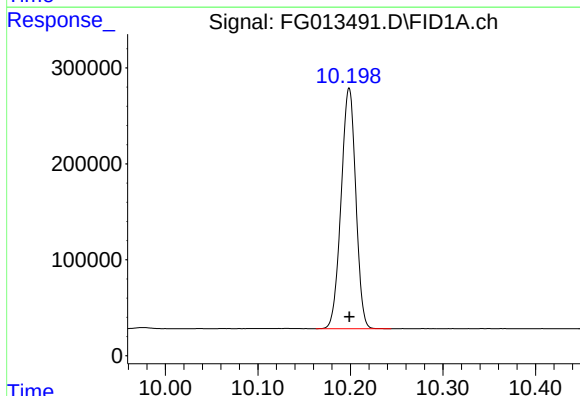
R.T.: 7.386 min
Delta R.T.: 0.000 min
Response: 2819614
Conc: 20.00 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD3



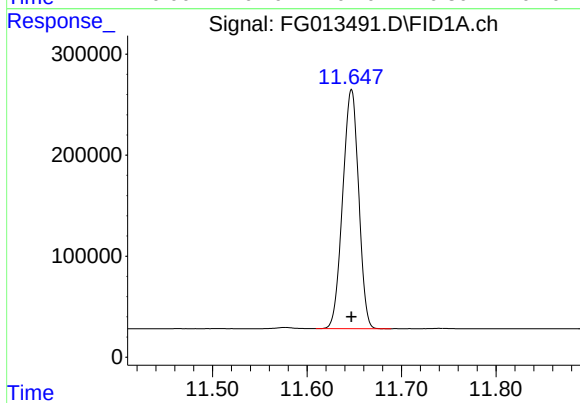
#6 n-Tetradecane (C14)

R.T.: 8.585 min
Delta R.T.: 0.000 min
Response: 2677291
Conc: 20.00 ug/ml



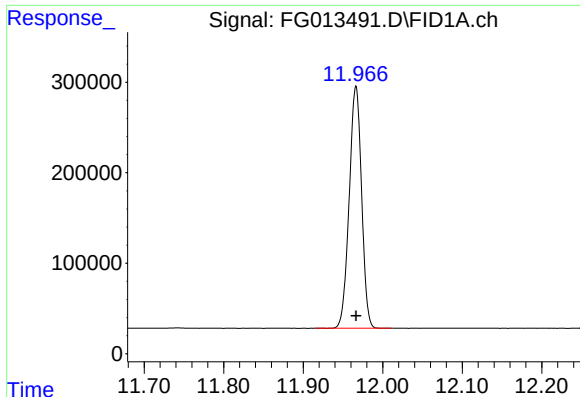
#7 n-Hexadecane (C16)

R.T.: 10.199 min
Delta R.T.: 0.000 min
Response: 2763584
Conc: 20.00 ug/ml



#8 n-Octadecane (C18)

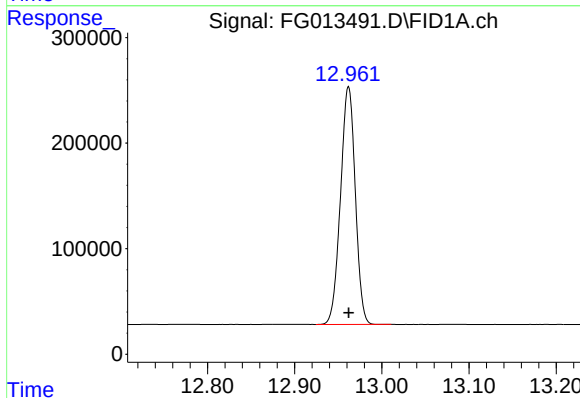
R.T.: 11.647 min
Delta R.T.: 0.000 min
Response: 2783065
Conc: 20.00 ug/ml



#9 ortho-Terphenyl (SURR)

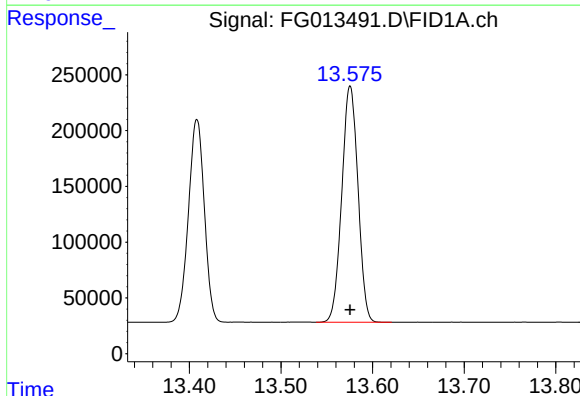
R.T.: 11.966 min
Delta R.T.: 0.000 min
Response: 2890821
Conc: 20.00 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD3



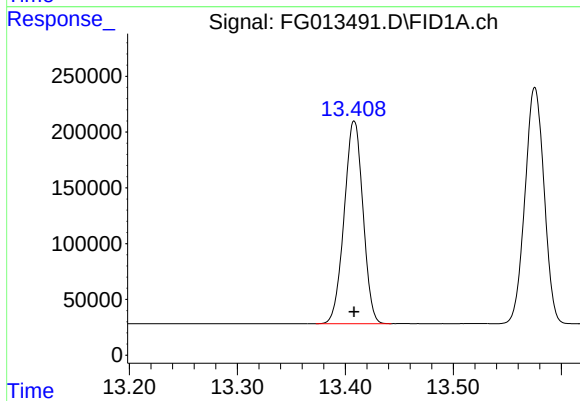
#10 n-Eicosane (C20)

R.T.: 12.962 min
Delta R.T.: 0.000 min
Response: 2657902
Conc: 20.00 ug/ml



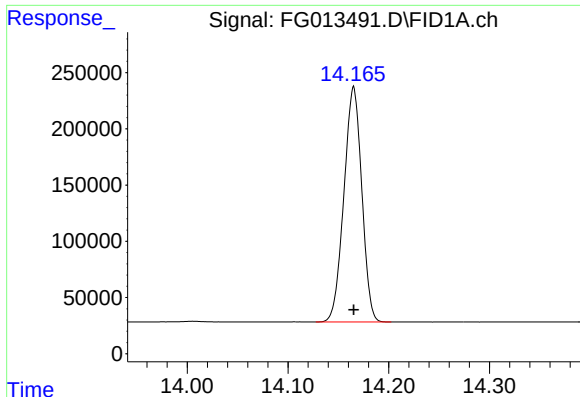
#11 n-Heneicosane (C21)

R.T.: 13.576 min
Delta R.T.: 0.000 min
Response: 2604179
Conc: 20.00 ug/ml



#12 1-chlorooctadecane (SURR)

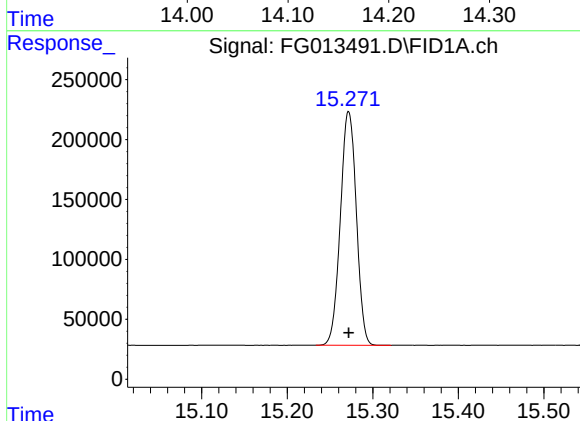
R.T.: 13.408 min
Delta R.T.: 0.000 min
Response: 2194096
Conc: 20.00 ug/ml



#13 n-Docosane (C22)

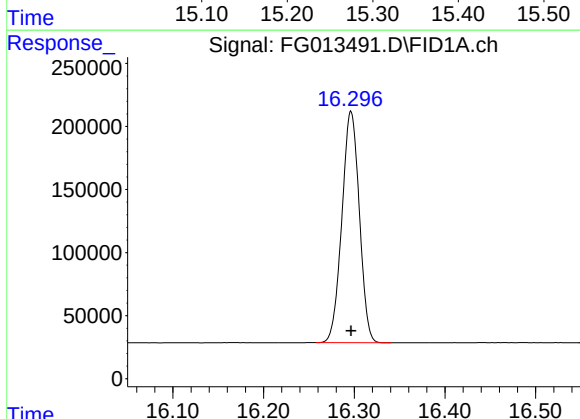
R.T.: 14.165 min
Delta R.T.: 0.000 min
Response: 2579354
Conc: 20.00 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD3



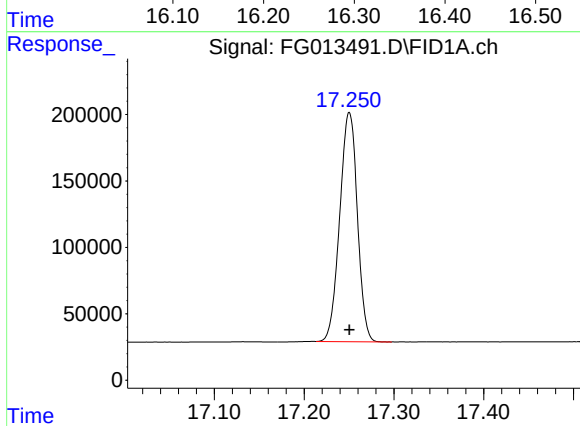
#14 n-Tetracosane (C24)

R.T.: 15.272 min
Delta R.T.: 0.000 min
Response: 2532782
Conc: 20.00 ug/ml



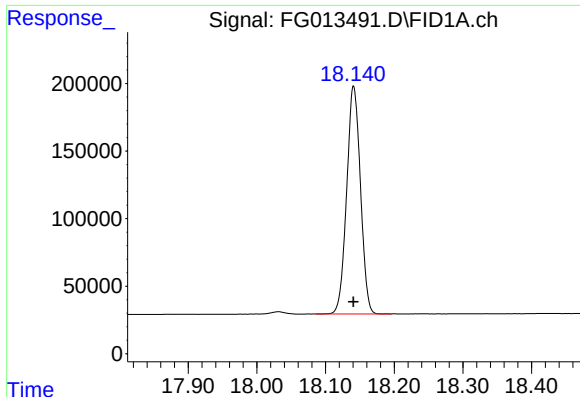
#15 n-Hexacosane (C26)

R.T.: 16.296 min
Delta R.T.: 0.000 min
Response: 2451829
Conc: 20.00 ug/ml



#16 n-Octacosane (C28)

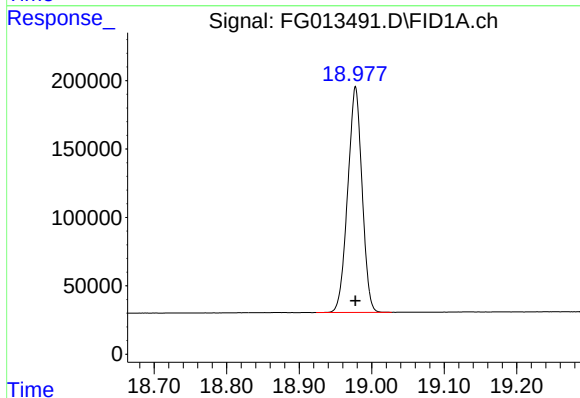
R.T.: 17.250 min
Delta R.T.: 0.000 min
Response: 2356392
Conc: 20.00 ug/ml



#17 n-Tricontane (C30)

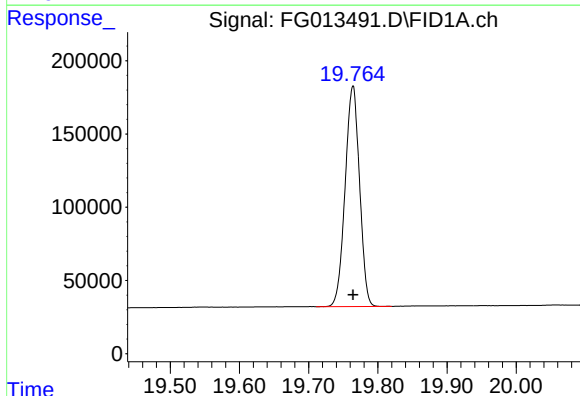
R.T.: 18.141 min
Delta R.T.: 0.000 min
Response: 2353208
Conc: 20.00 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD3



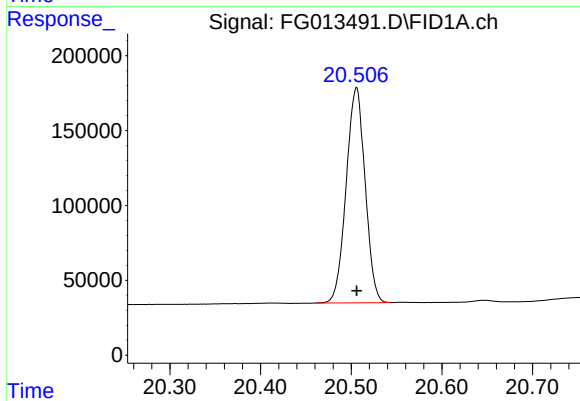
#18 n-Dotriacontane (C32)

R.T.: 18.978 min
Delta R.T.: 0.000 min
Response: 2267522
Conc: 20.00 ug/ml



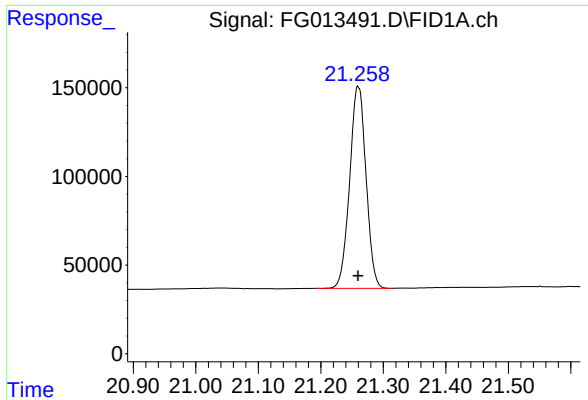
#19 n-Tetratriacontane (C34)

R.T.: 19.764 min
Delta R.T.: 0.000 min
Response: 2176241
Conc: 20.00 ug/ml



#20 n-Hexatriacontane (C36)

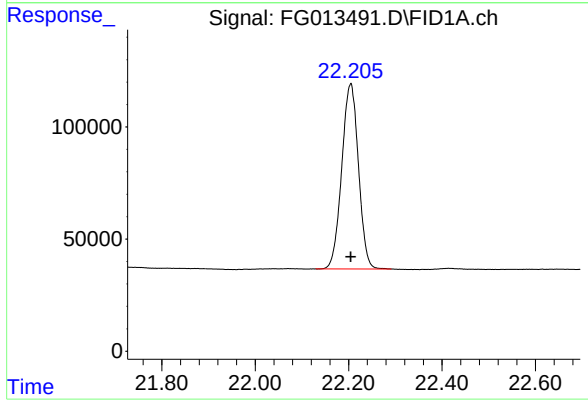
R.T.: 20.506 min
Delta R.T.: 0.000 min
Response: 2083941
Conc: 20.00 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.260 min
Delta R.T.: 0.000 min
Response: 2072852
Conc: 20.00 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD3



#22 n-Tetracontane (C40)

R.T.: 22.205 min
Delta R.T.: 0.000 min
Response: 2050805
Conc: 20.00 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG021224AL\
Data File : FG013491.D
Signal(s) : FID1A.ch
Acq On : 12 Feb 2024 15:23
Sample : 20 PPM ALIPHATIC HC STD3
Misc :
ALS Vial : 63 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 021224.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.329	3.290	3.371	BB	262110	2596290	89.24%	4.706%
2	4.583	4.547	4.623	BB	265498	2657998	91.36%	4.818%
3	6.288	6.257	6.323	BB	305684	2909377	100.00%	5.273%
4	6.753	6.721	6.782	BB	264240	2692682	92.55%	4.881%
5	7.386	7.343	7.428	BB	290664	2819614	96.91%	5.111%
6	8.585	8.550	8.621	BB	253450	2677291	92.02%	4.853%
7	10.199	10.163	10.244	BB	250931	2763584	94.99%	5.009%
8	11.647	11.609	11.689	BB	236962	2783065	95.66%	5.044%
9	11.966	11.916	12.011	BB	267997	2890821	99.36%	5.240%
10	12.962	12.924	13.011	BB	225491	2657902	91.36%	4.817%
11	13.408	13.373	13.443	BB	181733	2194096	75.41%	3.977%
12	13.576	13.538	13.621	BB	211976	2604179	89.51%	4.720%
13	14.165	14.128	14.203	BB	209807	2579354	88.66%	4.675%
14	15.272	15.233	15.322	BB	195154	2532782	87.06%	4.591%
15	16.296	16.258	16.341	BB	183443	2451829	84.27%	4.444%
16	17.250	17.213	17.297	BB	172678	2356392	80.99%	4.271%
17	18.141	18.086	18.196	BB	168747	2353208	80.88%	4.265%
18	18.978	18.923	19.028	BB	165260	2267522	77.94%	4.110%
19	19.764	19.711	19.820	BB	150692	2176241	74.80%	3.944%
20	20.506	20.461	20.544	BB	143928	2083941	71.63%	3.777%
21	21.260	21.193	21.313	BB	113924	2072852	71.25%	3.757%
22	22.205	22.130	22.292	BB	82765	2050805	70.49%	3.717%
Sum of corrected areas:						55171822		

Aliphatic EPH 021224.M Mon Feb 12 22:48:00 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG021224AL\
 Data File : FG013492.D
 Signal(s) : FID1A.ch
 Acq On : 12 Feb 2024 15:52
 Operator : YP\AJ
 Sample : 10 PPM ALIPHATIC HC STD4
 Misc :
 ALS Vial : 64 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 10 PPM ALIPHATIC HC STD4

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 02/13/2024
 Supervised By :mohammad ahmed 02/14/2024

Integration File: autoint1.e
 Quant Time: Feb 12 22:38:00 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 021224.M
 Quant Title : GC Extractables
 QLast Update : Mon Feb 12 22:37:46 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.965	1580531	11.067 ug/ml
Spiked Amount 50.000		Recovery =	22.13%
12) S 1-chlorooctadecane (S...	13.407	1195278	11.024 ug/ml
Spiked Amount 50.000		Recovery =	22.05%
Target Compounds			
1) T n-Nonane (C9)	3.328	1433967	11.174 ug/mlm
2) T n-Decane (C10)	4.582	1463709	11.146 ug/ml
3) T A~Naphthalene (C11.7)	6.287	1600098	11.123 ug/ml
4) T n-Dodecane (C12)	6.751	1480865	11.133 ug/ml
5) T A~2-methylnaphthalene...	7.385	1548229	11.106 ug/ml
6) T n-Tetradecane (C14)	8.584	1469596	11.117 ug/ml
7) T n-Hexadecane (C16)	10.197	1513559	11.099 ug/ml
8) T n-Octadecane (C18)	11.646	1525084	11.101 ug/ml
10) T n-Eicosane (C20)	12.960	1455225	11.090 ug/ml
11) T n-Heneicosane (C21)	13.575	1427493	11.099 ug/ml
13) T n-Docosane (C22)	14.163	1412966	11.094 ug/ml
14) T n-Tetracosane (C24)	15.271	1385836	11.082 ug/ml
15) T n-Hexacosane (C26)	16.296	1342211	11.080 ug/ml
16) T n-Octacosane (C28)	17.250	1292392	11.077 ug/ml
17) T n-Tricontane (C30)	18.140	1292164	11.120 ug/ml
18) T n-Dotriacontane (C32)	18.977	1252943	11.179 ug/ml
19) T n-Tetratriacontane (C34)	19.764	1206244	11.204 ug/ml
20) T n-Hexatriacontane (C36)	20.505	1158446	11.230 ug/ml
21) T n-Octatriacontane (C38)	21.259	1160952	11.312 ug/ml
22) T n-Tetracontane (C40)	22.201	1163272	11.449 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG021224AL\
Data File : FG013492.D
Signal(s) : FID1A.ch
Acq On : 12 Feb 2024 15:52
Operator : YP\AJ
Sample : 10 PPM ALIPHATIC HC STD4
Misc :
ALS Vial : 64 Sample Multiplier: 1

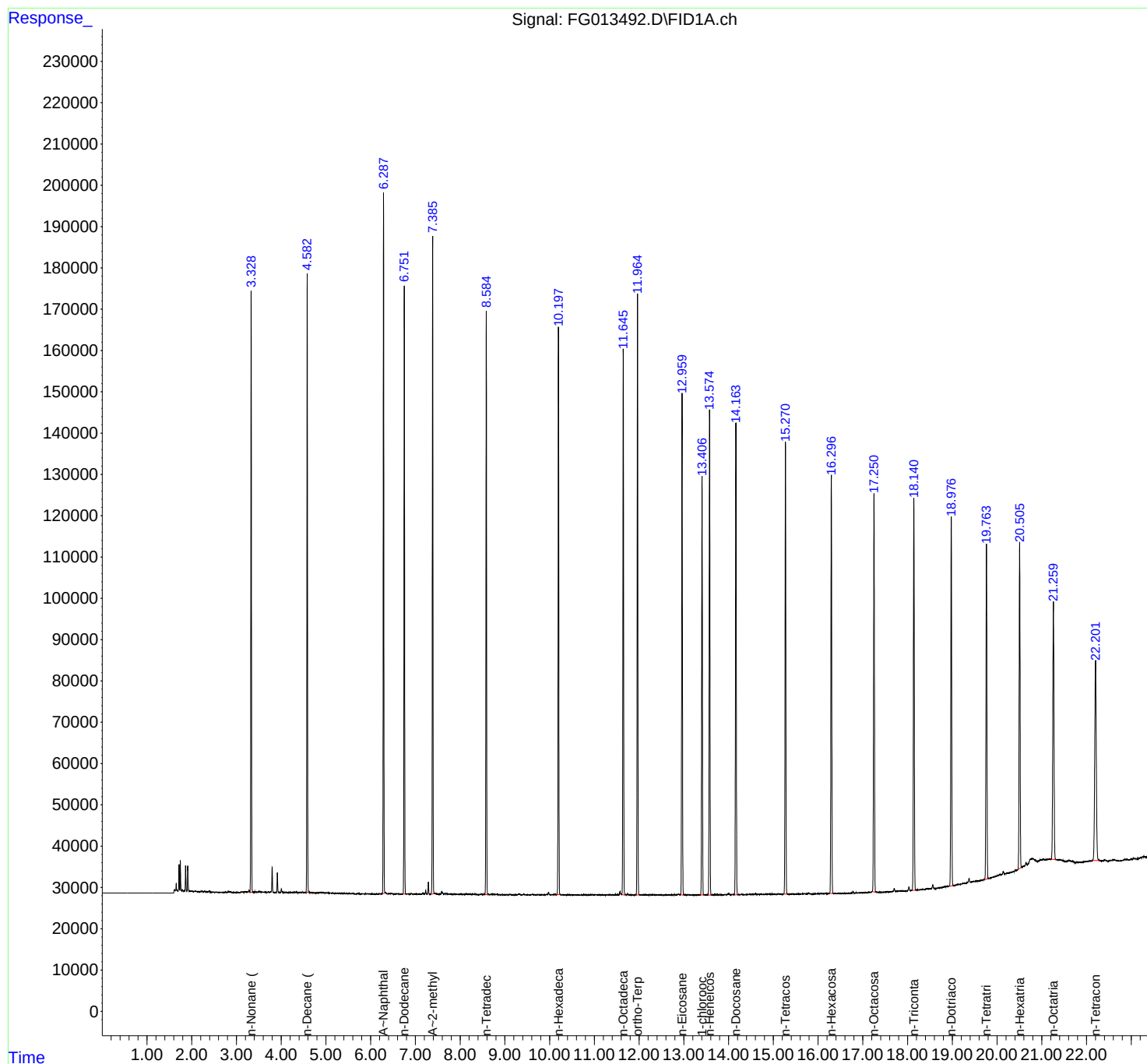
Instrument :
FID_G
ClientSampleId :
10 PPM ALIPHATIC HC STD4

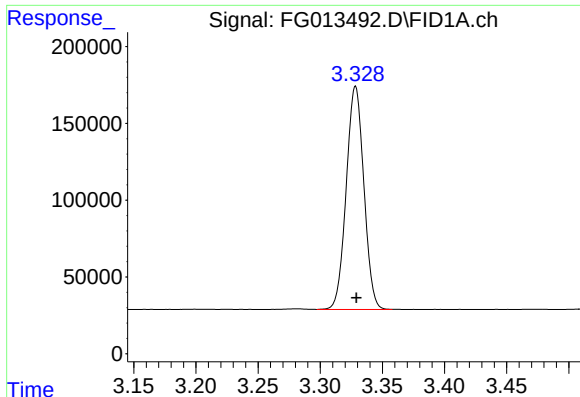
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/13/2024
Supervised By :mohammad ahmed 02/14/2024

Integration File: autoint1.e
Quant Time: Feb 12 22:38:00 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 021224.M
Quant Title : GC Extractables
QLast Update : Mon Feb 12 22:37:46 2024
Response via : Initial Calibration
Integrator: ChemStation

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





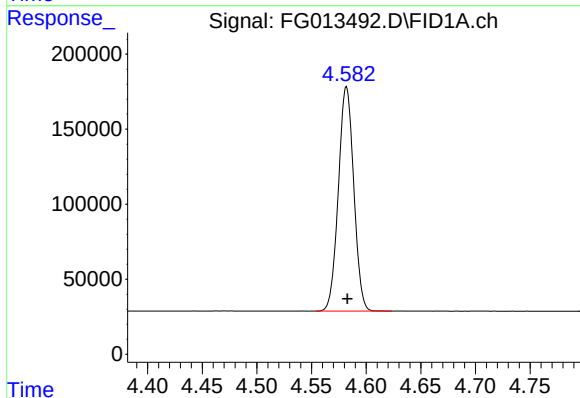
#1 n-Nonane (C9)

R.T.: 3.328 min
Delta R.T.: 0.000 min
Response: 1433967
Conc: 11.17 ug/ml

Instrument :
FID_G
ClientSampleId :
10 PPM ALIPHATIC HC STD4

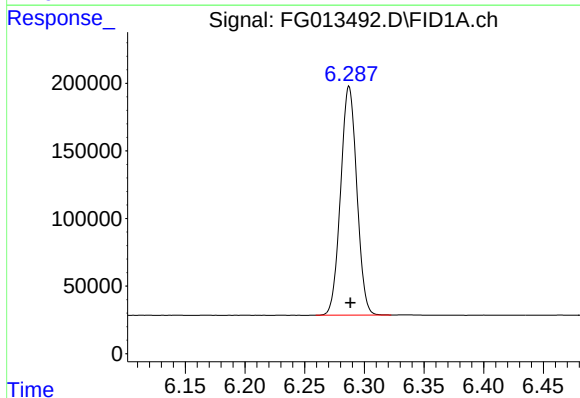
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/13/2024
Supervised By :mohammad ahmed 02/14/2024



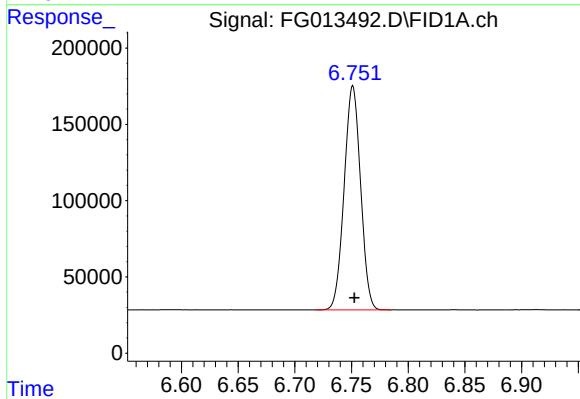
#2 n-Decane (C10)

R.T.: 4.582 min
Delta R.T.: 0.000 min
Response: 1463709
Conc: 11.15 ug/ml



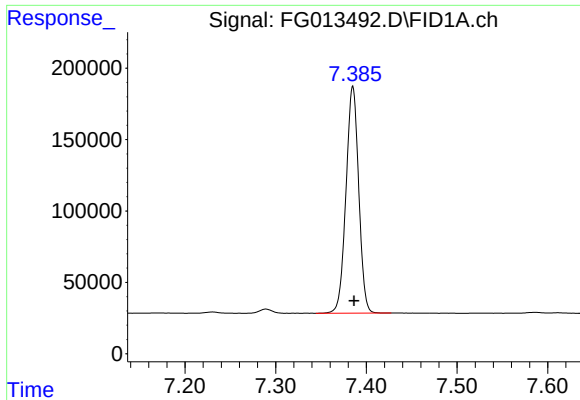
#3 A~Naphthalene (C11.7)

R.T.: 6.287 min
Delta R.T.: -0.001 min
Response: 1600098
Conc: 11.12 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.751 min
Delta R.T.: -0.002 min
Response: 1480865
Conc: 11.13 ug/ml



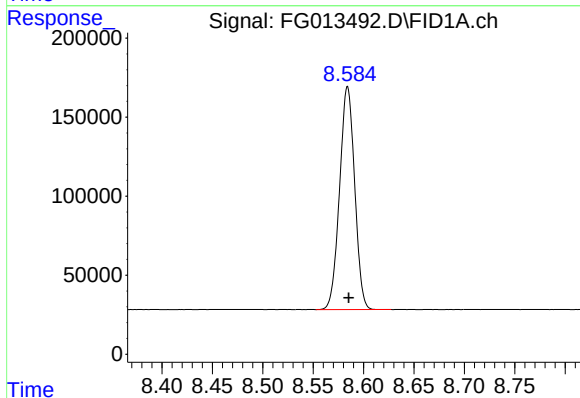
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.385 min
Delta R.T.: -0.001 min
Response: 1548229
Conc: 11.11 ug/ml

Instrument :
FID_G
ClientSampleId :
10 PPM ALIPHATIC HC STD4

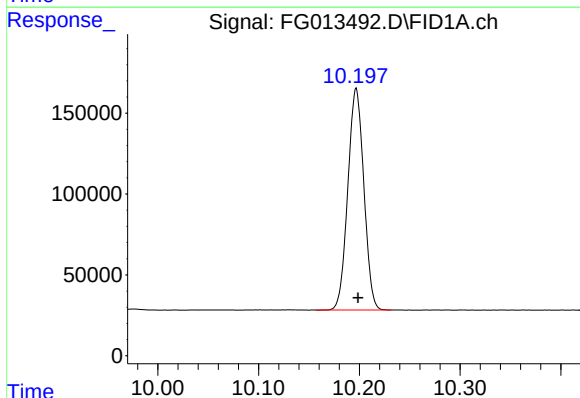
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/13/2024
Supervised By :mohammad ahmed 02/14/2024



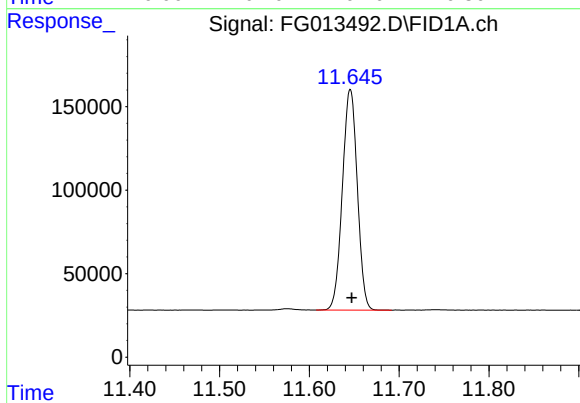
#6 n-Tetradecane (C14)

R.T.: 8.584 min
Delta R.T.: -0.001 min
Response: 1469596
Conc: 11.12 ug/ml



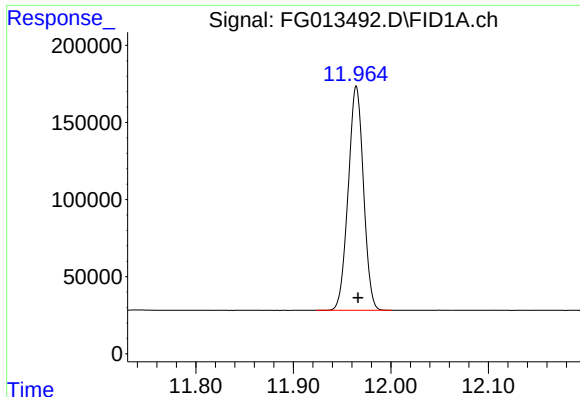
#7 n-Hexadecane (C16)

R.T.: 10.197 min
Delta R.T.: -0.002 min
Response: 1513559
Conc: 11.10 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.646 min
Delta R.T.: -0.001 min
Response: 1525084
Conc: 11.10 ug/ml



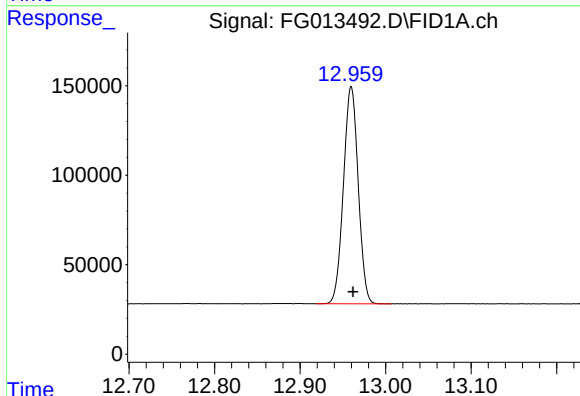
#9 ortho-Terphenyl (SURR)

R.T.: 11.965 min
Delta R.T.: -0.002 min
Response: 1580531
Conc: 11.07 ug/ml

Instrument :
FID_G
ClientSampleId :
10 PPM ALIPHATIC HC STD4

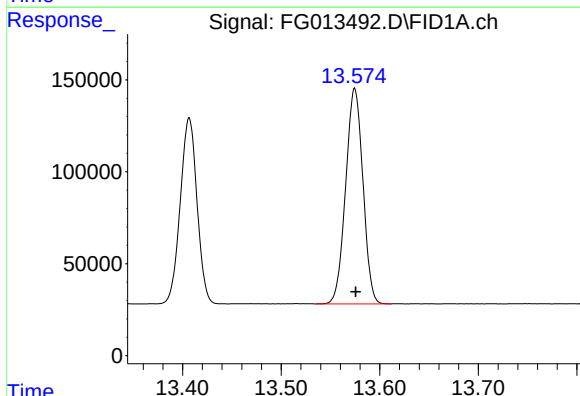
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/13/2024
Supervised By :mohammad ahmed 02/14/2024



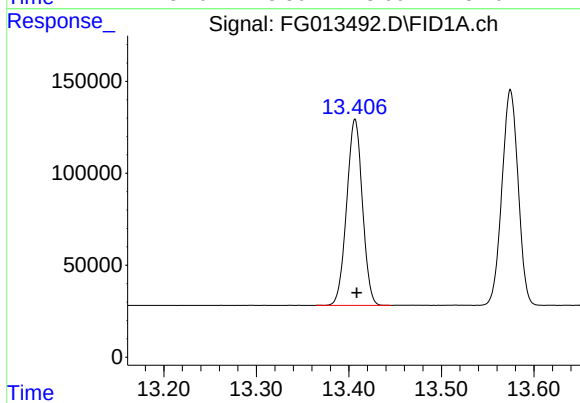
#10 n-Eicosane (C20)

R.T.: 12.960 min
Delta R.T.: -0.002 min
Response: 1455225
Conc: 11.09 ug/ml



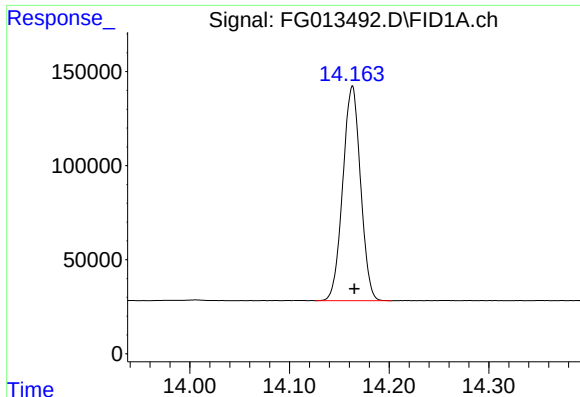
#11 n-Heneicosane (C21)

R.T.: 13.575 min
Delta R.T.: 0.000 min
Response: 1427493
Conc: 11.10 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.407 min
Delta R.T.: -0.002 min
Response: 1195278
Conc: 11.02 ug/ml



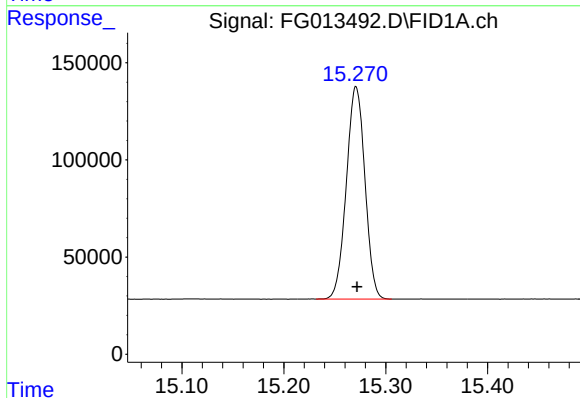
#13 n-Docosane (C22)

R.T.: 14.163 min
Delta R.T.: -0.002 min
Response: 1412966
Conc: 11.09 ug/ml

Instrument :
FID_G
ClientSampleId :
10 PPM ALIPHATIC HC STD4

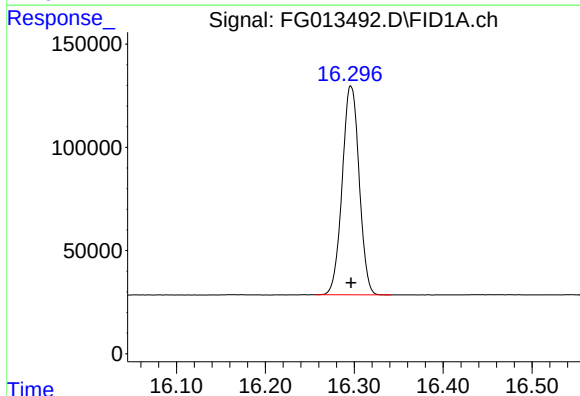
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/13/2024
Supervised By :mohammad ahmed 02/14/2024



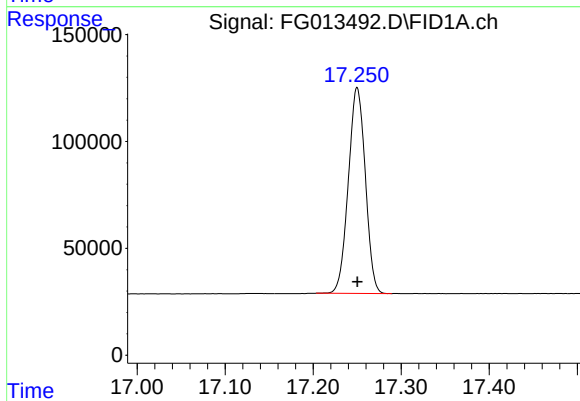
#14 n-Tetracosane (C24)

R.T.: 15.271 min
Delta R.T.: 0.000 min
Response: 1385836
Conc: 11.08 ug/ml



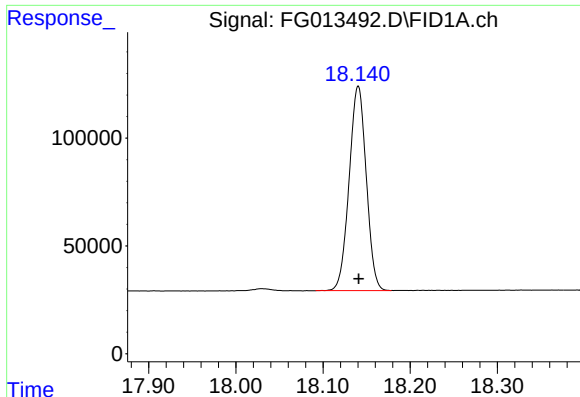
#15 n-Hexacosane (C26)

R.T.: 16.296 min
Delta R.T.: 0.000 min
Response: 1342211
Conc: 11.08 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.250 min
Delta R.T.: 0.000 min
Response: 1292392
Conc: 11.08 ug/ml



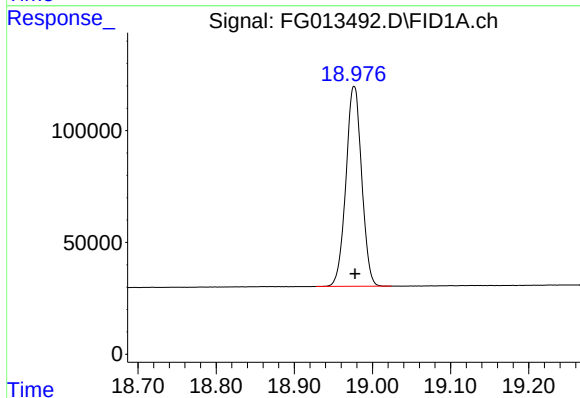
#17 n-Tricontane (C30)

R.T.: 18.140 min
Delta R.T.: 0.000 min
Response: 1292164
Conc: 11.12 ug/ml

Instrument :
FID_G
ClientSampleId :
10 PPM ALIPHATIC HC STD4

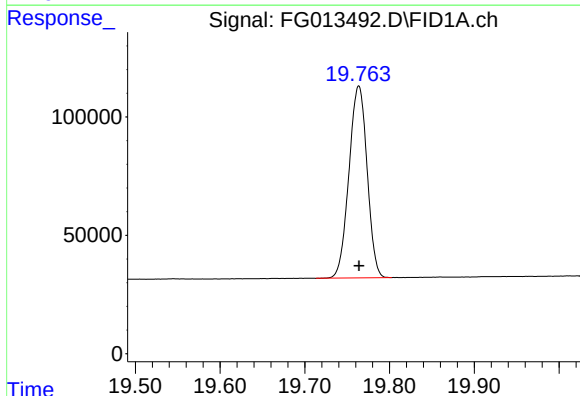
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/13/2024
Supervised By :mohammad ahmed 02/14/2024



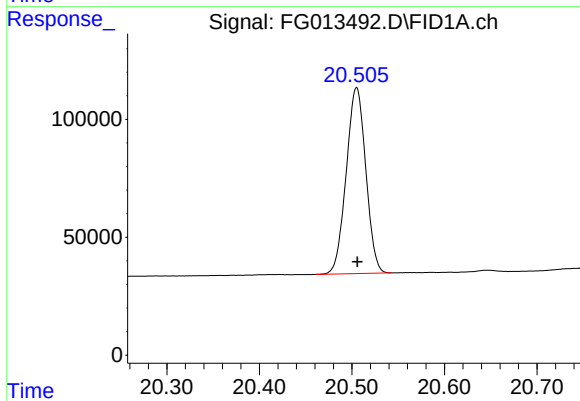
#18 n-Dotriacontane (C32)

R.T.: 18.977 min
Delta R.T.: -0.001 min
Response: 1252943
Conc: 11.18 ug/ml



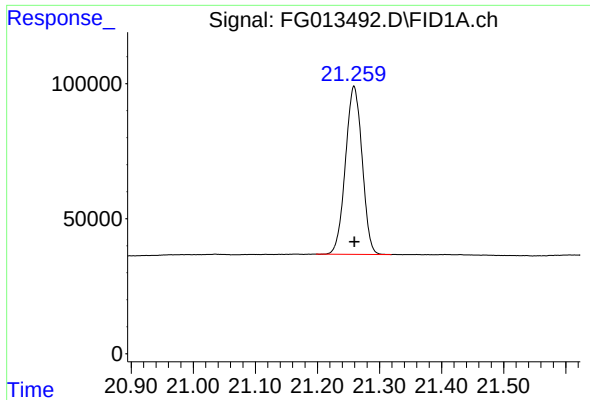
#19 n-Tetratriacontane (C34)

R.T.: 19.764 min
Delta R.T.: 0.000 min
Response: 1206244
Conc: 11.20 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.505 min
Delta R.T.: 0.000 min
Response: 1158446
Conc: 11.23 ug/ml



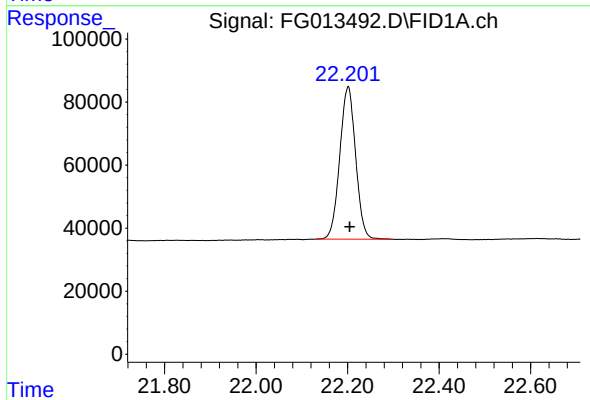
#21 n-Octatriacontane (C38)

R.T.: 21.259 min
Delta R.T.: 0.000 min
Response: 1160952
Conc: 11.31 ug/ml

Instrument :
FID_G
ClientSampleId :
10 PPM ALIPHATIC HC STD4

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/13/2024
Supervised By :mohammad ahmed 02/14/2024



#22 n-Tetracontane (C40)

R.T.: 22.201 min
Delta R.T.: -0.003 min
Response: 1163272
Conc: 11.45 ug/ml

Instrument :
FID_G
LabSampleId :
10 PPM ALIPHATIC HC STD4

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/13/2024
Supervised By :mohammad ahmed 02/14/2024

rteres

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\F0
Data File : FG013492.D
Signal(s) : FID1A.ch
Acq On : 12 Feb 2024 15:52
Sample : 10 PPM ALIPHATIC HC STD4
Misc :
ALS Vial : 64 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 021224.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.328	3.283	3.369	BB	145442	1428084	89.25%	4.705%
2	4.582	4.554	4.623	BB	149636	1463709	91.48%	4.822%
3	6.287	6.259	6.323	BB	169333	1600098	100.00%	5.271%
4	6.751	6.718	6.785	BB	147057	1480865	92.55%	4.878%
5	7.385	7.344	7.428	BB	159170	1548229	96.76%	5.100%
6	8.584	8.553	8.628	BB	141332	1469596	91.84%	4.841%
7	10.197	10.157	10.232	BB	137311	1513559	94.59%	4.986%
8	11.646	11.608	11.692	BB	132194	1525084	95.31%	5.024%
9	11.965	11.923	12.001	BB	145479	1580531	98.78%	5.207%
10	12.960	12.918	13.007	BB	121433	1455225	90.95%	4.794%
11	13.407	13.364	13.446	BB	101363	1195278	74.70%	3.938%
12	13.575	13.535	13.612	BB	117353	1427493	89.21%	4.703%
13	14.163	14.127	14.203	BB	114379	1412966	88.30%	4.655%
14	15.271	15.232	15.306	BB	109434	1385836	86.61%	4.565%
15	16.296	16.257	16.342	BB	101106	1342211	83.88%	4.422%
16	17.250	17.203	17.289	BB	96490	1292392	80.77%	4.258%
17	18.140	18.092	18.178	BB	94902	1292164	80.76%	4.257%
18	18.977	18.928	19.024	BB	89422	1252943	78.30%	4.128%
19	19.764	19.713	19.803	BB	81130	1206244	75.39%	3.974%
20	20.505	20.461	20.543	BB	78981	1158446	72.40%	3.816%
21	21.259	21.198	21.319	BB	62394	1160952	72.56%	3.825%
22	22.201	22.131	22.296	BB	48496	1163272	72.70%	3.832%
Sum of corrected areas:						30355177		

Aliphatic EPH 021224.M Mon Feb 12 22:48:15 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG021224AL\
 Data File : FG013493.D
 Signal(s) : FID1A.ch
 Acq On : 12 Feb 2024 16:21
 Operator : YP\AJ
 Sample : 5 PPM ALIPHATIC HC STD5
 Misc :
 ALS Vial : 65 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 5 PPM ALIPHATIC HC STD5

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 02/13/2024
 Supervised By :mohammad ahmed 02/14/2024

Integration File: autoint1.e
 Quant Time: Feb 12 22:39:31 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 021224.M
 Quant Title : GC Extractables
 QLast Update : Mon Feb 12 22:39:20 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.964	740006	5.144 ug/ml
Spiked Amount 50.000		Recovery =	10.29%
12) S 1-chlorooctadecane (S...	13.406	559004	5.124 ug/ml
Spiked Amount 50.000		Recovery =	10.25%
Target Compounds			
1) T n-Nonane (C9)	3.328	665220	5.142 ug/mlm
2) T n-Decane (C10)	4.582	679185	5.136 ug/ml
3) T A~Naphthalene (C11.7)	6.287	744503	5.139 ug/ml
4) T n-Dodecane (C12)	6.751	688510	5.140 ug/ml
5) T A~2-methylnaphthalene...	7.385	719765	5.130 ug/ml
6) T n-Tetradecane (C14)	8.584	685130	5.145 ug/ml
7) T n-Hexadecane (C16)	10.197	708146	5.153 ug/ml
8) T n-Octadecane (C18)	11.645	712721	5.149 ug/ml
10) T n-Eicosane (C20)	12.960	680895	5.150 ug/ml
11) T n-Heneicosane (C21)	13.574	667346	5.150 ug/ml
13) T n-Docosane (C22)	14.163	661276	5.153 ug/ml
14) T n-Tetracosane (C24)	15.271	648530	5.148 ug/ml
15) T n-Hexacosane (C26)	16.296	628454	5.149 ug/ml
16) T n-Octacosane (C28)	17.249	605259	5.149 ug/ml
17) T n-Tricontane (C30)	18.139	609180	5.192 ug/ml
18) T n-Dotriacontane (C32)	18.975	587789	5.194 ug/ml
19) T n-Tetratriacontane (C34)	19.762	563135	5.183 ug/ml
20) T n-Hexatriacontane (C36)	20.504	536248	5.158 ug/ml
21) T n-Octatriacontane (C38)	21.259	533373	5.156 ug/ml
22) T n-Tetracontane (C40)	22.203	521121	5.102 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG021224AL\
Data File : FG013493.D
Signal(s) : FID1A.ch
Acq On : 12 Feb 2024 16:21
Operator : YP\AJ
Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 65 Sample Multiplier: 1

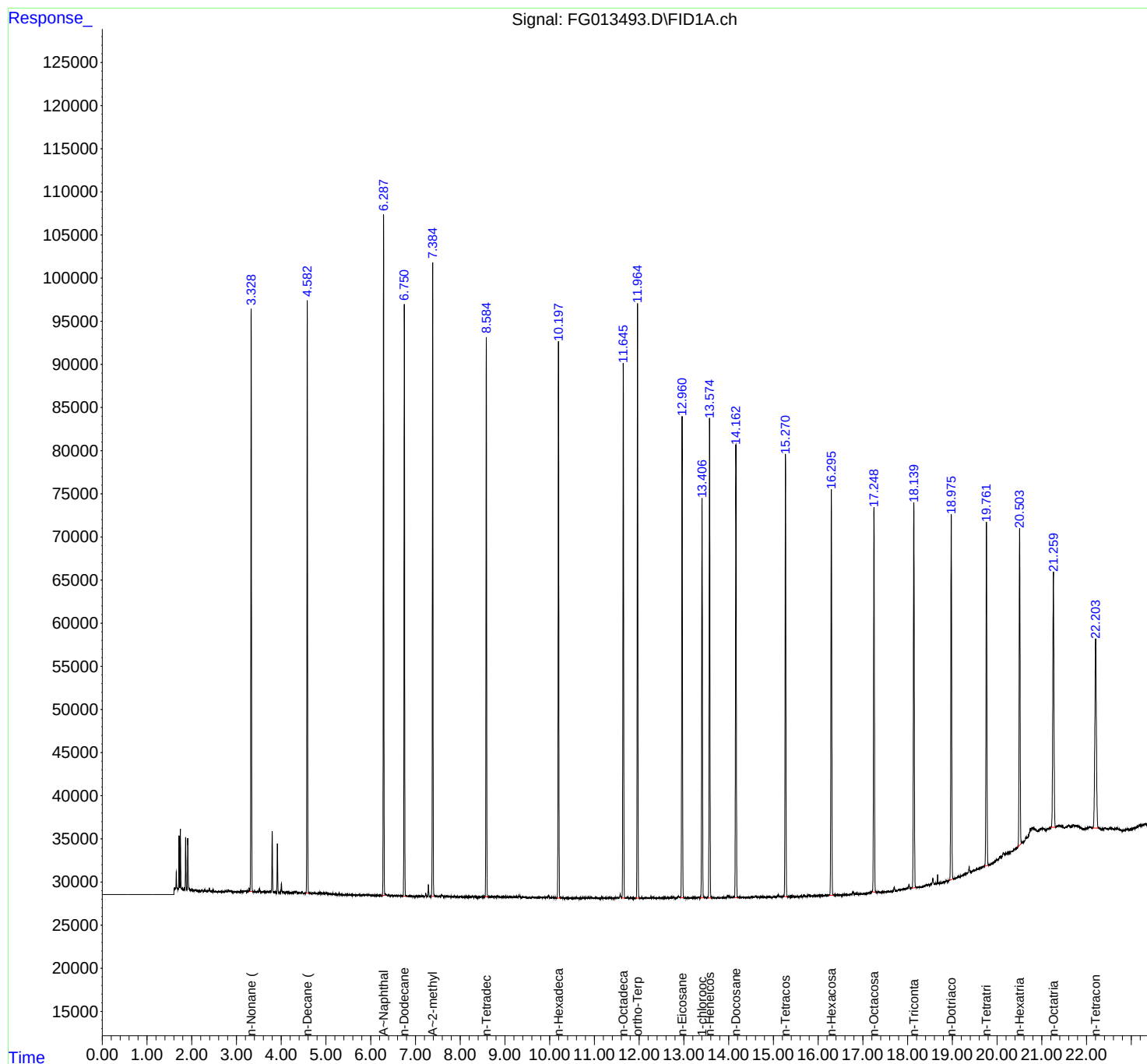
Instrument :
FID_G
ClientSampleId :
5 PPM ALIPHATIC HC STD5

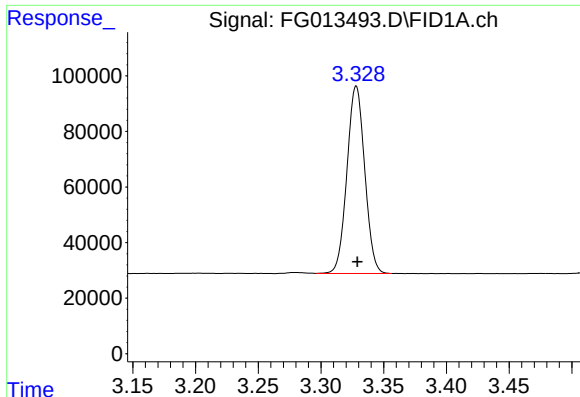
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/13/2024
Supervised By :mohammad ahmed 02/14/2024

Integration File: autoint1.e
Quant Time: Feb 12 22:39:31 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 021224.M
Quant Title : GC Extractables
QLast Update : Mon Feb 12 22:39:20 2024
Response via : Initial Calibration
Integrator: ChemStation

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





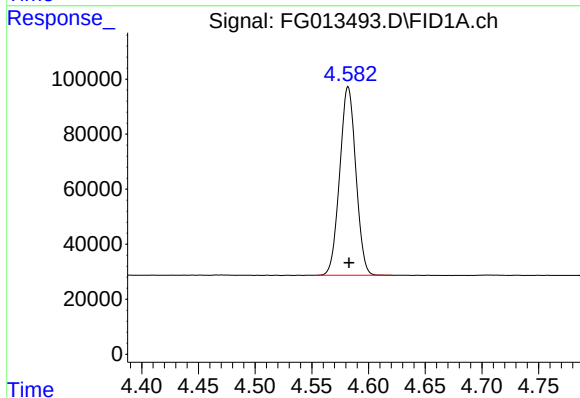
#1 n-Nonane (C9)

R.T.: 3.328 min
Delta R.T.: -0.001 min
Response: 665220
Conc: 5.14 ug/ml

Instrument :
FID_G
ClientSampleId :
5 PPM ALIPHATIC HC STD5

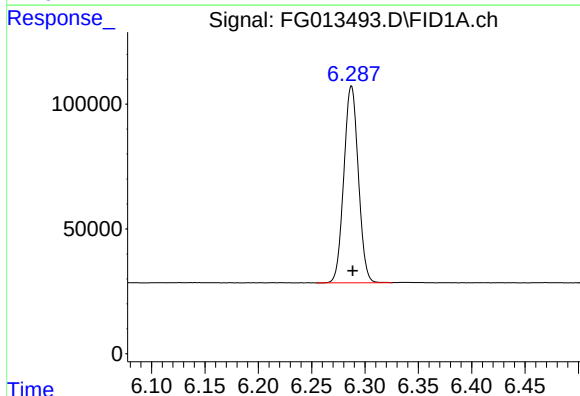
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/13/2024
Supervised By :mohammad ahmed 02/14/2024



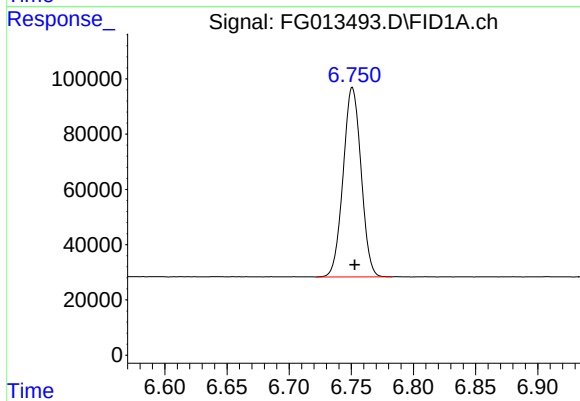
#2 n-Decane (C10)

R.T.: 4.582 min
Delta R.T.: 0.000 min
Response: 679185
Conc: 5.14 ug/ml



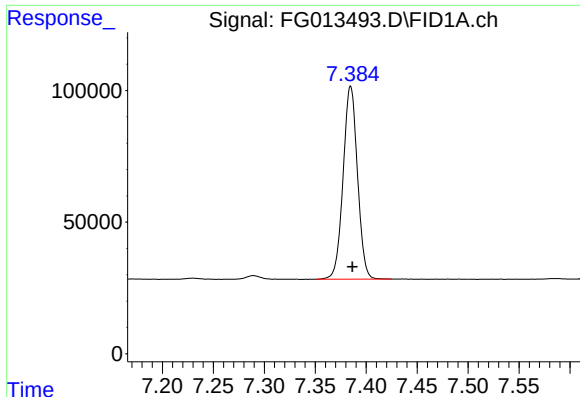
#3 A~Naphthalene (C11.7)

R.T.: 6.287 min
Delta R.T.: -0.001 min
Response: 744503
Conc: 5.14 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.751 min
Delta R.T.: -0.002 min
Response: 688510
Conc: 5.14 ug/ml



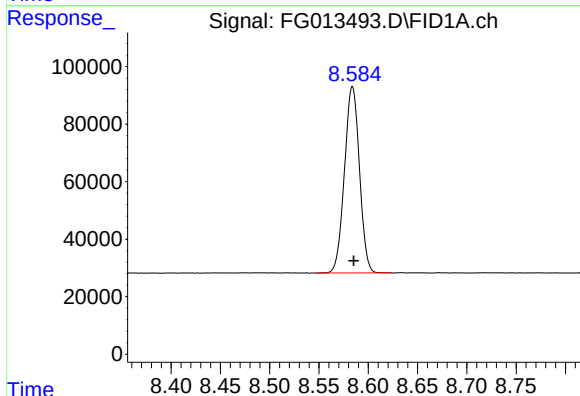
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.385 min
Delta R.T.: -0.002 min
Response: 719765
Conc: 5.13 ug/ml

Instrument :
FID_G
ClientSampleId :
5 PPM ALIPHATIC HC STD5

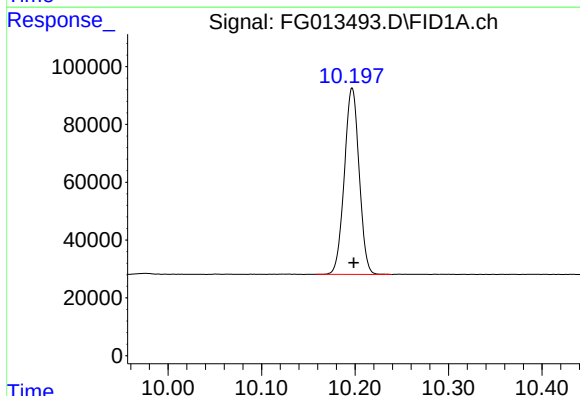
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/13/2024
Supervised By :mohammad ahmed 02/14/2024



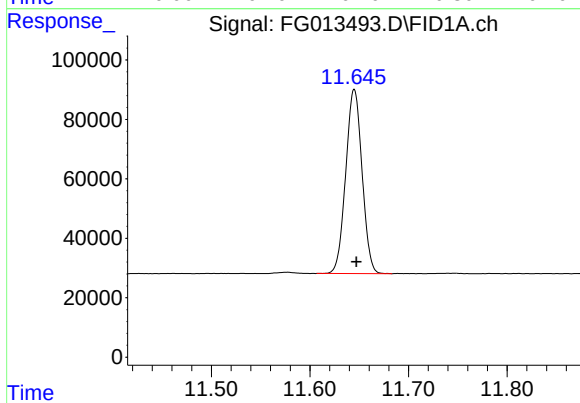
#6 n-Tetradecane (C14)

R.T.: 8.584 min
Delta R.T.: -0.001 min
Response: 685130
Conc: 5.15 ug/ml



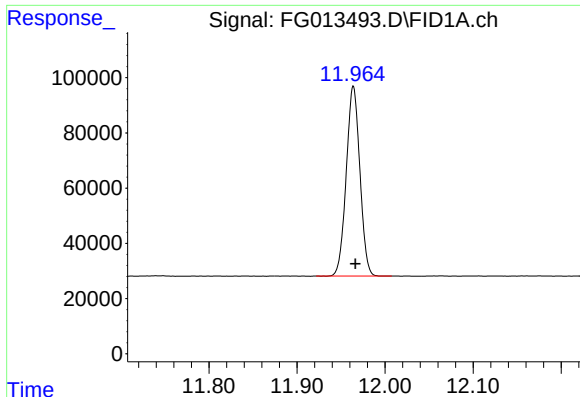
#7 n-Hexadecane (C16)

R.T.: 10.197 min
Delta R.T.: -0.002 min
Response: 708146
Conc: 5.15 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.645 min
Delta R.T.: -0.002 min
Response: 712721
Conc: 5.15 ug/ml



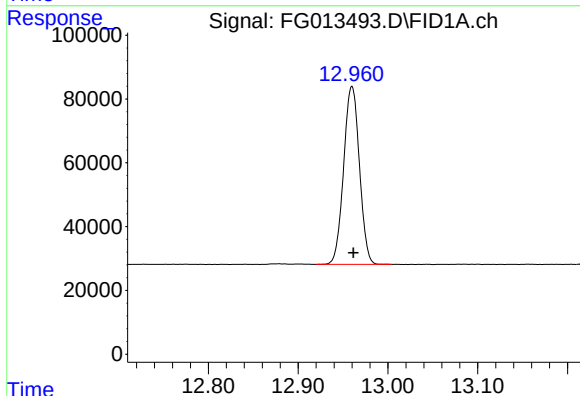
#9 ortho-Terphenyl (SURR)

R.T.: 11.964 min
Delta R.T.: -0.002 min
Response: 740006
Conc: 5.14 ug/ml

Instrument :
FID_G
ClientSampleId :
5 PPM ALIPHATIC HC STD5

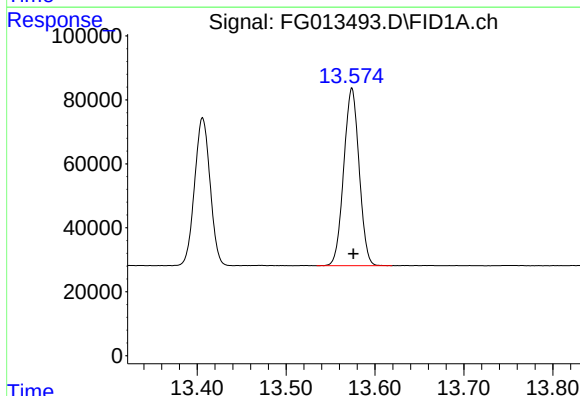
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/13/2024
Supervised By :mohammad ahmed 02/14/2024



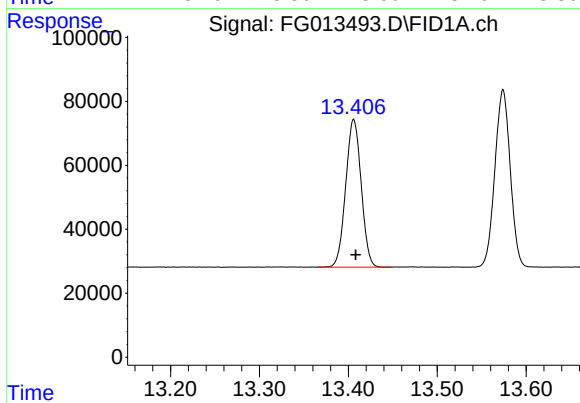
#10 n-Eicosane (C20)

R.T.: 12.960 min
Delta R.T.: -0.002 min
Response: 680895
Conc: 5.15 ug/ml



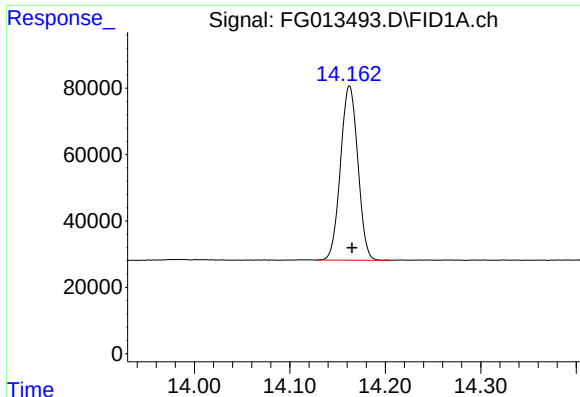
#11 n-Heneicosane (C21)

R.T.: 13.574 min
Delta R.T.: -0.001 min
Response: 667346
Conc: 5.15 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.406 min
Delta R.T.: -0.002 min
Response: 559004
Conc: 5.12 ug/ml



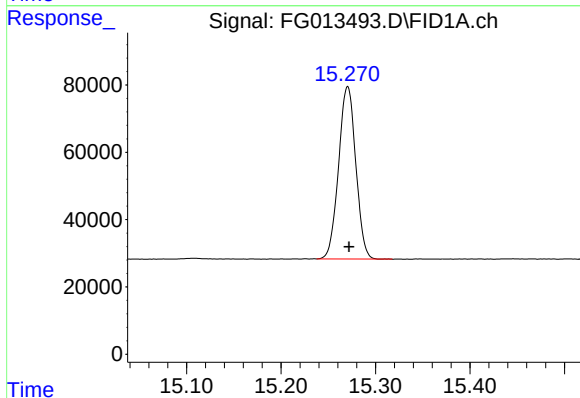
#13 n-Docosane (C22)

R.T.: 14.163 min
Delta R.T.: -0.003 min
Response: 661276
Conc: 5.15 ug/ml

Instrument :
FID_G
ClientSampleId :
5 PPM ALIPHATIC HC STD5

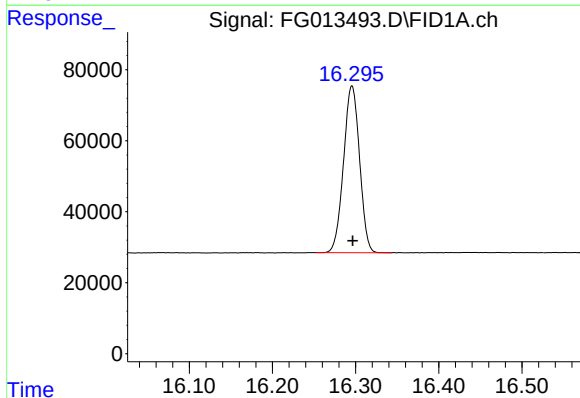
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/13/2024
Supervised By :mohammad ahmed 02/14/2024



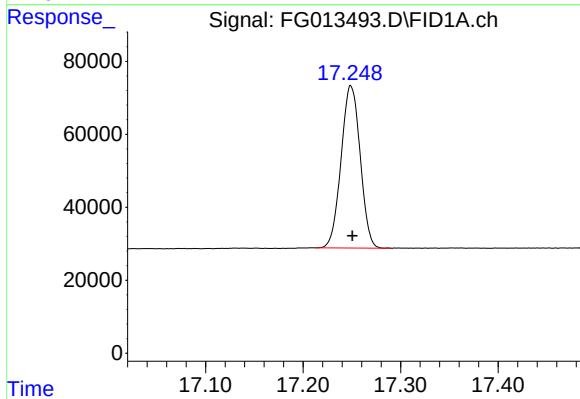
#14 n-Tetracosane (C24)

R.T.: 15.271 min
Delta R.T.: -0.001 min
Response: 648530
Conc: 5.15 ug/ml



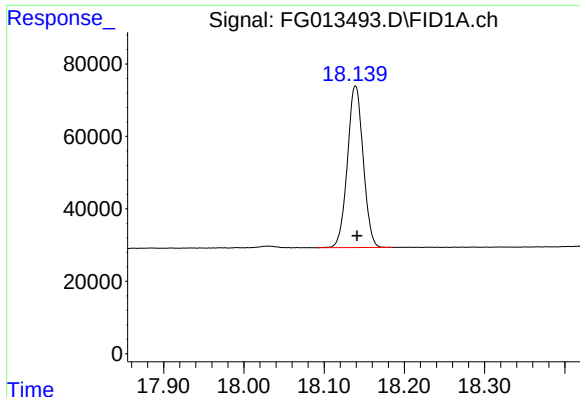
#15 n-Hexacosane (C26)

R.T.: 16.296 min
Delta R.T.: 0.000 min
Response: 628454
Conc: 5.15 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.249 min
Delta R.T.: -0.001 min
Response: 605259
Conc: 5.15 ug/ml



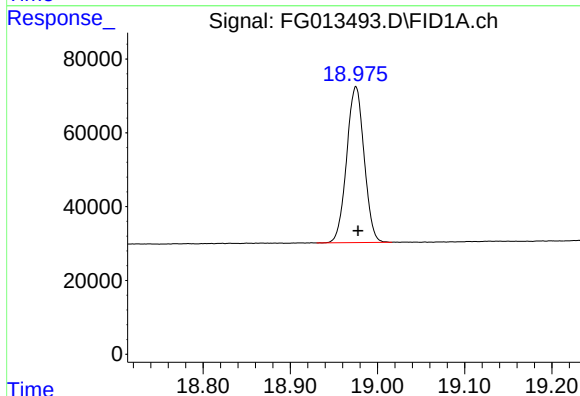
#17 n-Tricontane (C30)

R.T.: 18.139 min
Delta R.T.: -0.002 min
Response: 609180
Conc: 5.19 ug/ml

Instrument :
FID_G
ClientSampleId :
5 PPM ALIPHATIC HC STD5

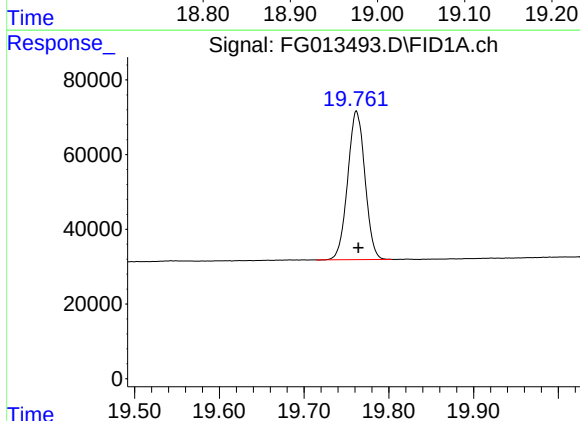
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/13/2024
Supervised By :mohammad ahmed 02/14/2024



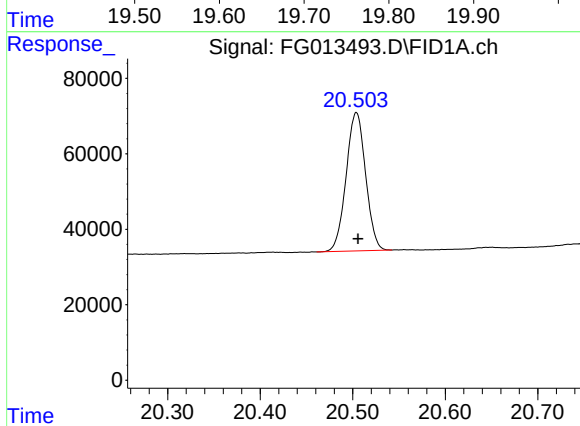
#18 n-Dotriacontane (C32)

R.T.: 18.975 min
Delta R.T.: -0.002 min
Response: 587789
Conc: 5.19 ug/ml



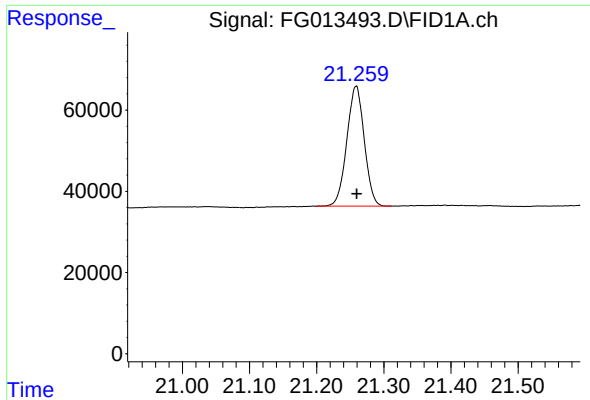
#19 n-Tetratriacontane (C34)

R.T.: 19.762 min
Delta R.T.: -0.002 min
Response: 563135
Conc: 5.18 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.504 min
Delta R.T.: -0.002 min
Response: 536248
Conc: 5.16 ug/ml



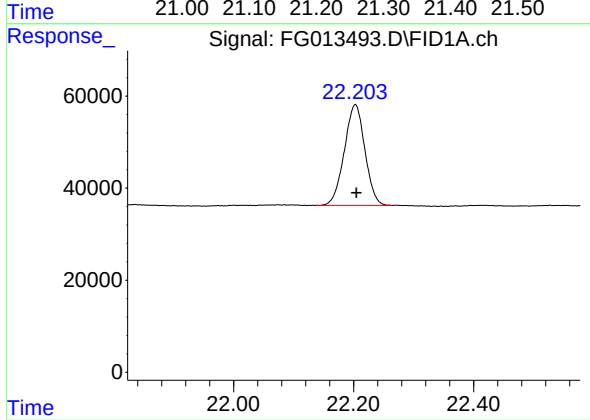
#21 n-Octatriacontane (C38)

R.T.: 21.259 min
Delta R.T.: 0.000 min
Response: 533373
Conc: 5.16 ug/ml

Instrument :
FID_G
ClientSampleId :
5 PPM ALIPHATIC HC STD5

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/13/2024
Supervised By :mohammad ahmed 02/14/2024



#22 n-Tetracontane (C40)

R.T.: 22.203 min
Delta R.T.: -0.002 min
Response: 521121
Conc: 5.10 ug/ml

Instrument :
FID_G
LabSampleId :
5 PPM ALIPHATIC HC STD5

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\F0
Data File : FG013493.D
Signal(s) : FID1A.ch
Acq On : 12 Feb 2024 16:21
Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 65 Sample Multiplier: 1

Reviewed By :Yogesh Patel 02/13/2024
Supervised By :mohammad ahmed 02/14/2024

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 021224.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.328	3.257	3.367	BB	67586	670667	90.08%	4.740%
2	4.582	4.554	4.621	BB	68614	679185	91.23%	4.800%
3	6.287	6.254	6.325	BB	78969	744503	100.00%	5.261%
4	6.751	6.722	6.783	BB	68636	688510	92.48%	4.866%
5	7.385	7.351	7.425	BB	73365	719765	96.68%	5.087%
6	8.584	8.548	8.624	BB	64824	685130	92.03%	4.842%
7	10.197	10.158	10.239	BB	64516	708146	95.12%	5.004%
8	11.645	11.607	11.683	BB	62018	712721	95.73%	5.037%
9	11.964	11.922	12.008	BB	68883	740006	99.40%	5.230%
10	12.960	12.920	13.004	BB	55843	680895	91.46%	4.812%
11	13.406	13.364	13.449	BB	46282	559004	75.08%	3.950%
12	13.574	13.534	13.619	BB	55644	667346	89.64%	4.716%
13	14.163	14.128	14.207	BB	52519	661276	88.82%	4.673%
14	15.271	15.238	15.318	BB	51287	648530	87.11%	4.583%
15	16.296	16.253	16.343	BB	47044	628454	84.41%	4.441%
16	17.249	17.213	17.291	BB	44473	605259	81.30%	4.277%
17	18.139	18.090	18.184	BB	44659	609180	81.82%	4.305%
18	18.975	18.930	19.017	BB	42314	587789	78.95%	4.154%
19	19.762	19.714	19.803	BB	39847	563135	75.64%	3.980%
20	20.504	20.461	20.543	BB	36710	536248	72.03%	3.790%
21	21.259	21.199	21.312	BB	29601	533373	71.64%	3.769%
22	22.203	22.137	22.263	BB	21954	521121	70.00%	3.683%
Sum of corrected areas:						14150244		

Aliphatic EPH 021224.M Mon Feb 12 22:48:32 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG021224AL\
 Data File : FG013494.D
 Signal(s) : FID1A.ch
 Acq On : 12 Feb 2024 16:50
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD ICV
 Misc :
 ALS Vial : 66 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 20 PPM ALIPHATIC HC STD ICV

Integration File: autoint1.e
 Quant Time: Feb 12 22:42:34 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 021224.M
 Quant Title : GC Extractables
 QLast Update : Mon Feb 12 22:40:01 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.966	2838815	19.734 ug/ml
Spiked Amount 50.000		Recovery =	39.47%
12) S 1-chlorooctadecane (S...	13.408	2164993	19.844 ug/ml
Spiked Amount 50.000		Recovery =	39.69%
Target Compounds			
1) T n-Nonane (C9)	3.328	2559800	19.797 ug/ml
2) T n-Decane (C10)	4.582	2612419	19.757 ug/ml
3) T A~Naphthalene (C11.7)	6.287	2863211	19.765 ug/ml
4) T n-Dodecane (C12)	6.752	2643796	19.736 ug/ml
5) T A~2-methylnaphthalene...	7.386	2774045	19.771 ug/ml
6) T n-Tetradecane (C14)	8.585	2625290	19.715 ug/ml
7) T n-Hexadecane (C16)	10.198	2709469	19.716 ug/ml
8) T n-Octadecane (C18)	11.647	2730748	19.728 ug/ml
10) T n-Eicosane (C20)	12.961	2614766	19.777 ug/ml
11) T n-Heneicosane (C21)	13.575	2563631	19.784 ug/ml
13) T n-Docosane (C22)	14.165	2538544	19.780 ug/ml
14) T n-Tetracosane (C24)	15.272	2497233	19.822 ug/ml
15) T n-Hexacosane (C26)	16.297	2421701	19.842 ug/ml
16) T n-Octacosane (C28)	17.251	2324359	19.774 ug/ml
17) T n-Tricontane (C30)	18.142	2320883	19.781 ug/ml
18) T n-Dotriacontane (C32)	18.977	2243501	19.823 ug/ml
19) T n-Tetratriacontane (C34)	19.764	2154918	19.833 ug/ml
20) T n-Hexatriacontane (C36)	20.504	2071925	19.927 ug/ml
21) T n-Octatriacontane (C38)	21.258	2068526	19.998 ug/ml
22) T n-Tetracontane (C40)	22.203	2061022	20.180 ug/ml

(f)=RT Delta > 1/2 Window

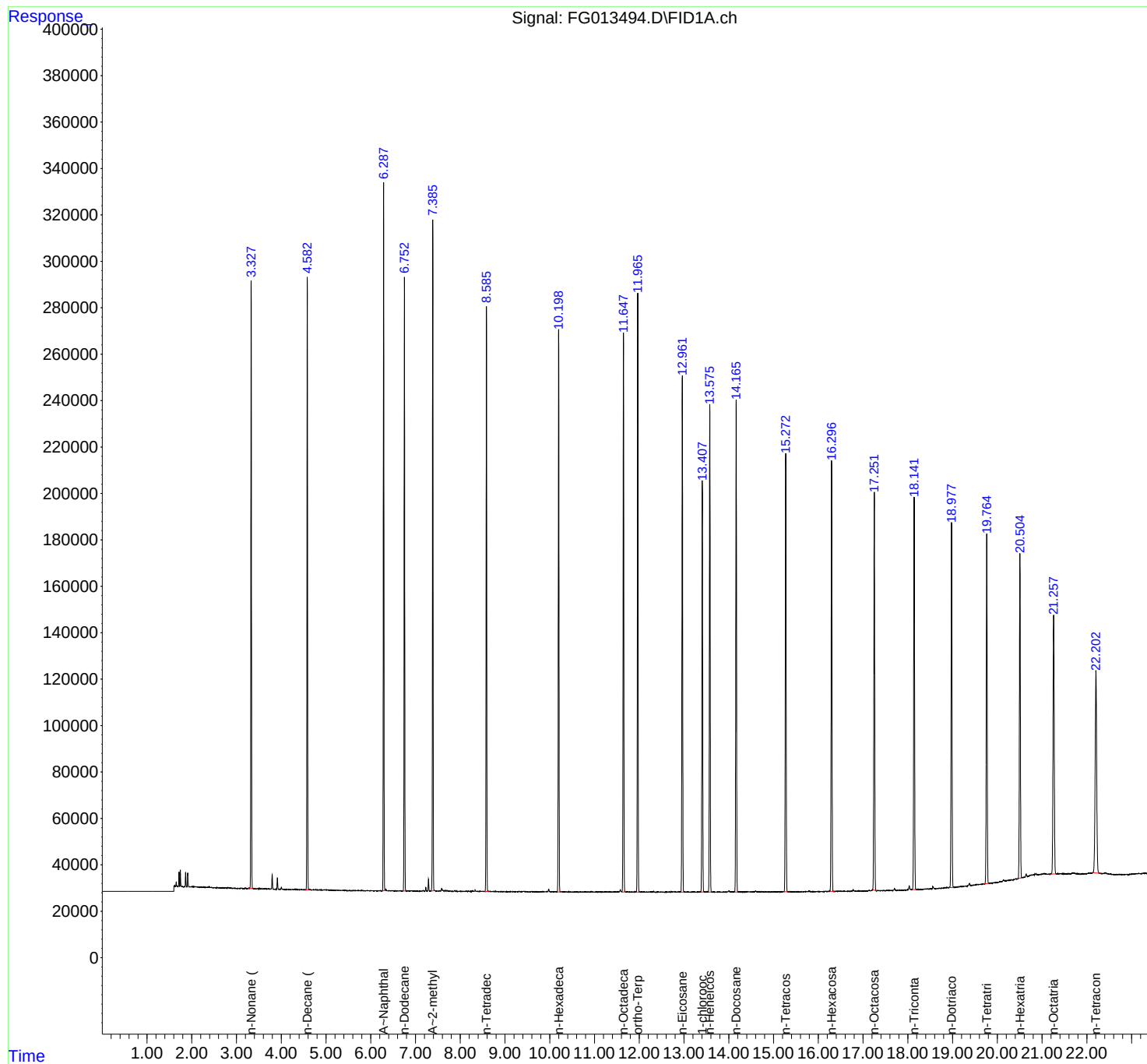
(m)=manual int.

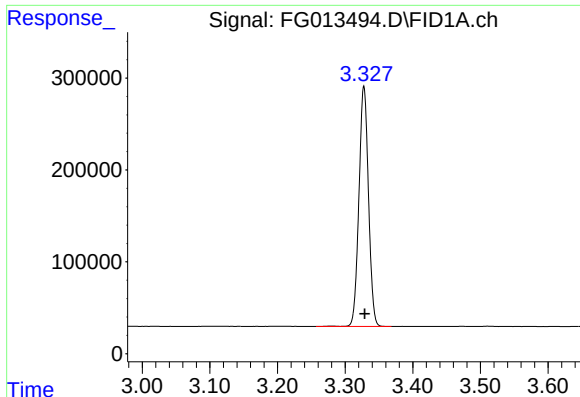
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG021224AL\
Data File : FG013494.D
Signal(s) : FID1A.ch
Acq On : 12 Feb 2024 16:50
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD ICV
Misc :
ALS Vial : 66 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV

Integration File: autoint1.e
Quant Time: Feb 12 22:42:34 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 021224.M
Quant Title : GC Extractables
QLast Update : Mon Feb 12 22:40:01 2024
Response via : Initial Calibration
Integrator: ChemStation

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

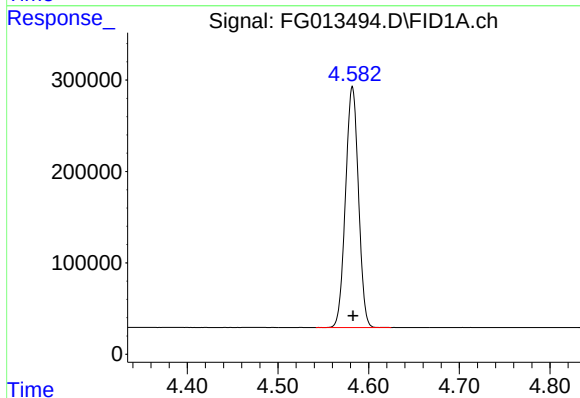




#1 n-Nonane (C9)

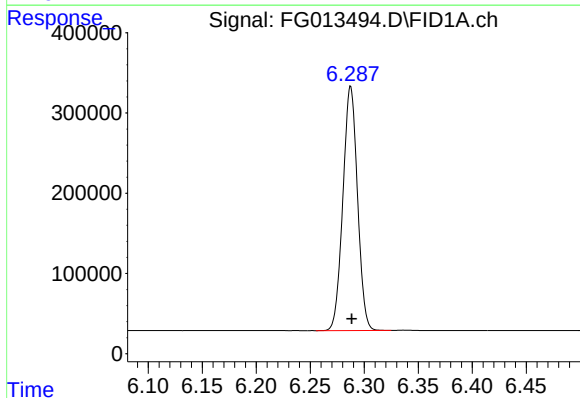
R.T.: 3.328 min
Delta R.T.: -0.001 min
Response: 2559800
Conc: 19.80 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



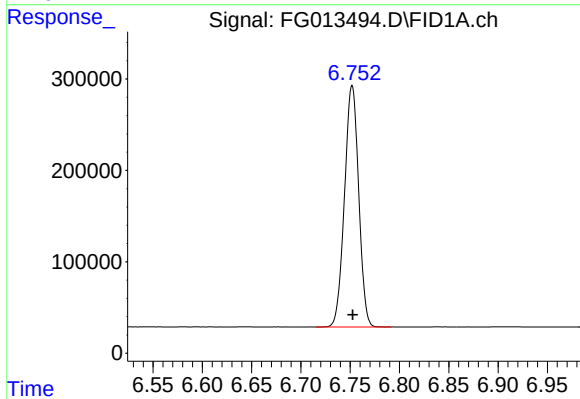
#2 n-Decane (C10)

R.T.: 4.582 min
Delta R.T.: 0.000 min
Response: 2612419
Conc: 19.76 ug/ml



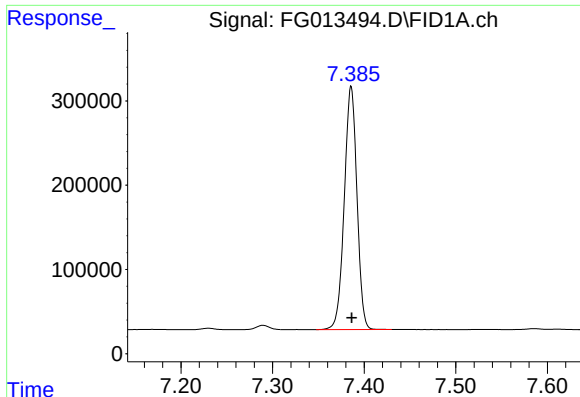
#3 A~Naphthalene (C11.7)

R.T.: 6.287 min
Delta R.T.: 0.000 min
Response: 2863211
Conc: 19.77 ug/ml



#4 n-Dodecane (C12)

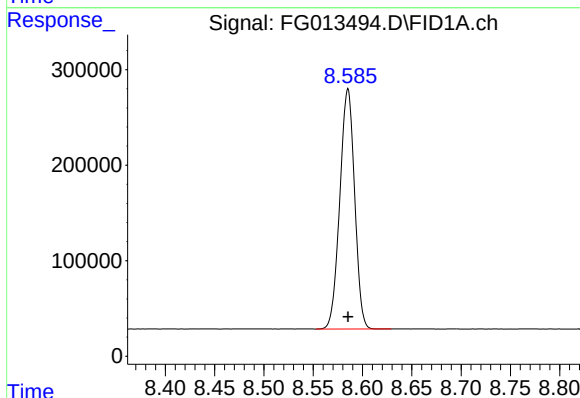
R.T.: 6.752 min
Delta R.T.: 0.000 min
Response: 2643796
Conc: 19.74 ug/ml



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

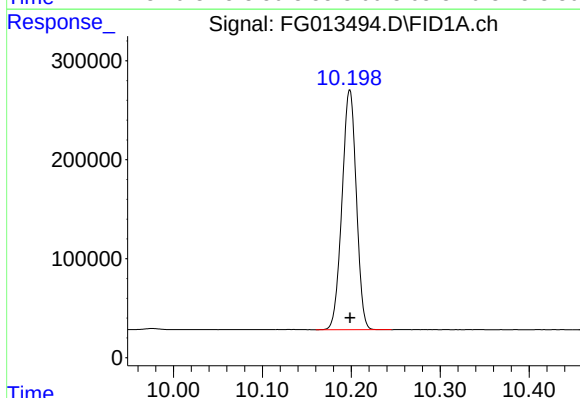
R.T.: 7.386 min
Delta R.T.: 0.000 min
Response: 2774045
Conc: 19.77 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



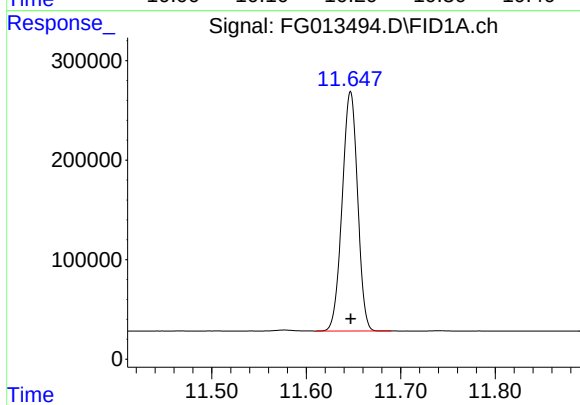
#6 n-Tetradecane (C14)

R.T.: 8.585 min
Delta R.T.: 0.000 min
Response: 2625290
Conc: 19.72 ug/ml



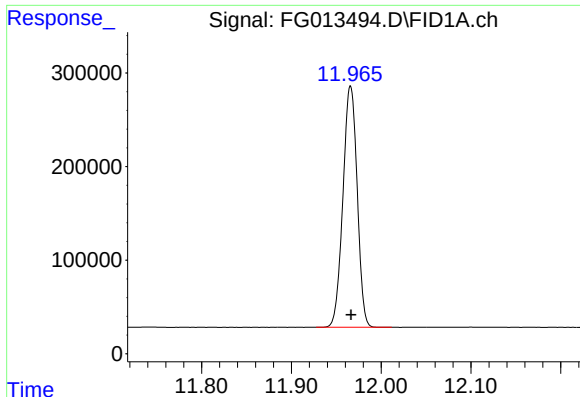
#7 n-Hexadecane (C16)

R.T.: 10.198 min
Delta R.T.: 0.000 min
Response: 2709469
Conc: 19.72 ug/ml



#8 n-Octadecane (C18)

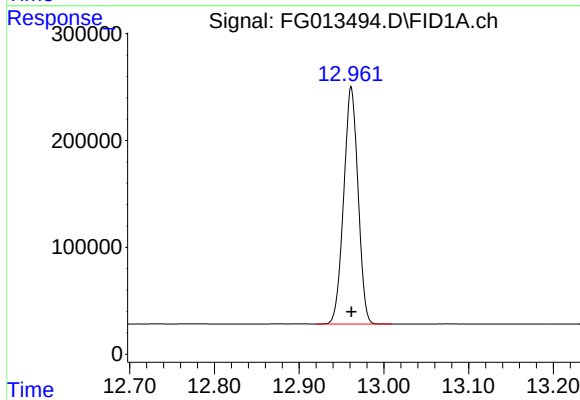
R.T.: 11.647 min
Delta R.T.: 0.000 min
Response: 2730748
Conc: 19.73 ug/ml



#9 ortho-Terphenyl (SURR)

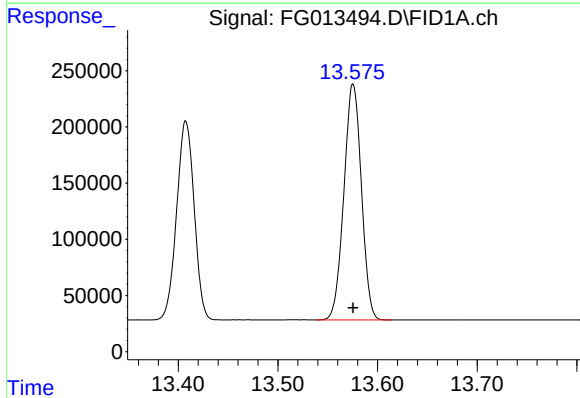
R.T.: 11.966 min
Delta R.T.: 0.000 min
Response: 2838815
Conc: 19.73 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



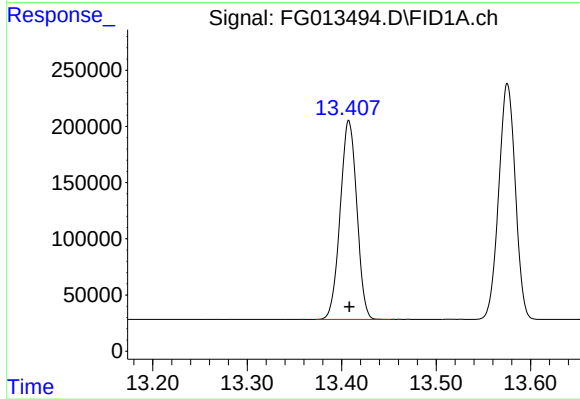
#10 n-Eicosane (C20)

R.T.: 12.961 min
Delta R.T.: 0.000 min
Response: 2614766
Conc: 19.78 ug/ml



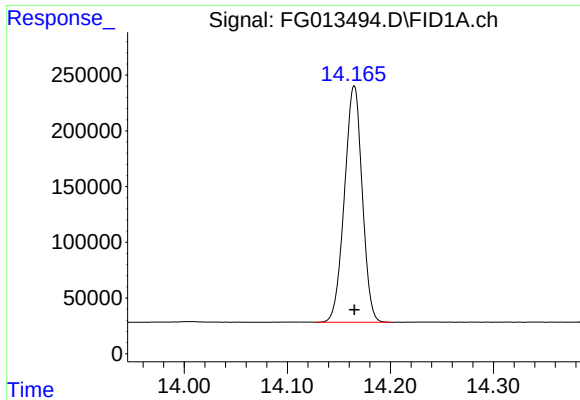
#11 n-Heneicosane (C21)

R.T.: 13.575 min
Delta R.T.: 0.000 min
Response: 2563631
Conc: 19.78 ug/ml



#12 1-chlorooctadecane (SURR)

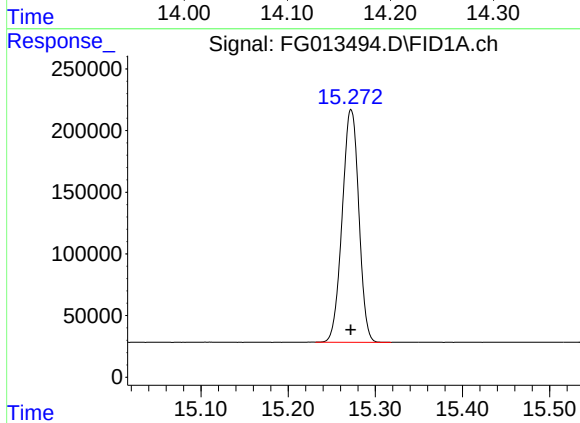
R.T.: 13.408 min
Delta R.T.: 0.000 min
Response: 2164993
Conc: 19.84 ug/ml



#13 n-Docosane (C22)

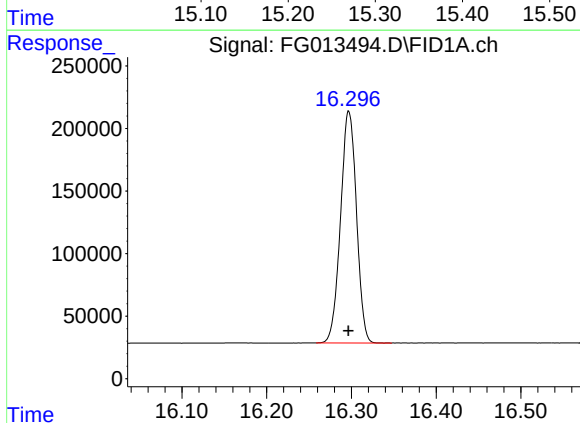
R.T.: 14.165 min
Delta R.T.: 0.000 min
Response: 2538544
Conc: 19.78 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



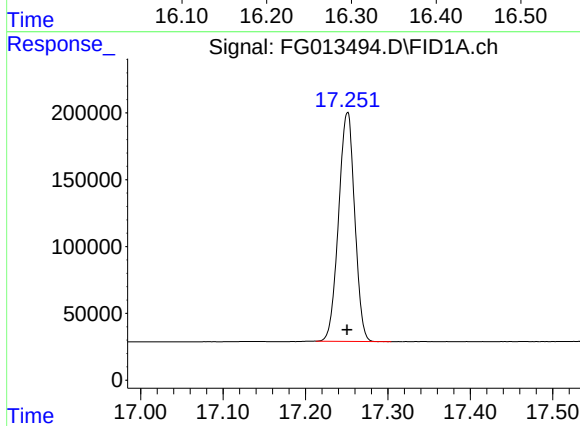
#14 n-Tetracosane (C24)

R.T.: 15.272 min
Delta R.T.: 0.000 min
Response: 2497233
Conc: 19.82 ug/ml



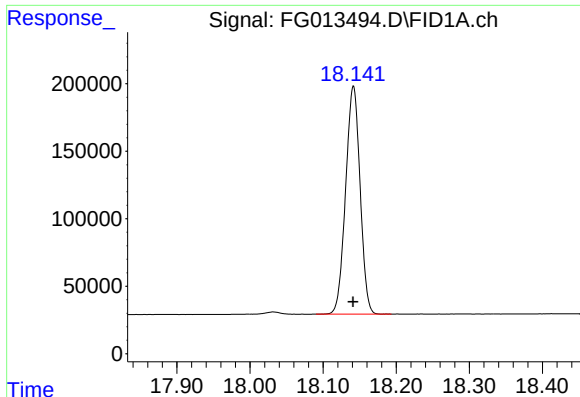
#15 n-Hexacosane (C26)

R.T.: 16.297 min
Delta R.T.: 0.000 min
Response: 2421701
Conc: 19.84 ug/ml



#16 n-Octacosane (C28)

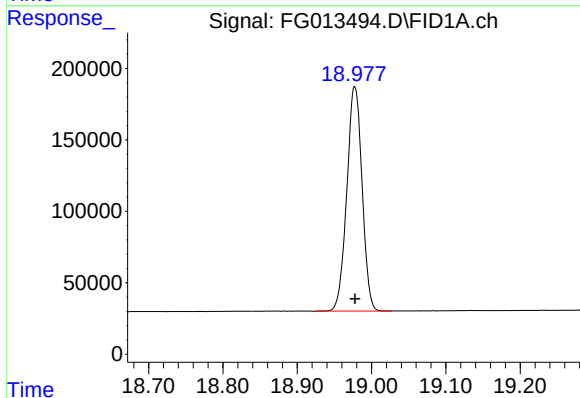
R.T.: 17.251 min
Delta R.T.: 0.000 min
Response: 2324359
Conc: 19.77 ug/ml



#17 n-Tricontane (C30)

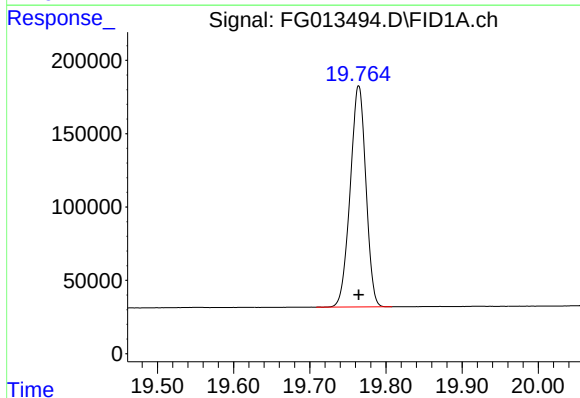
R.T.: 18.142 min
Delta R.T.: 0.000 min
Response: 2320883
Conc: 19.78 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



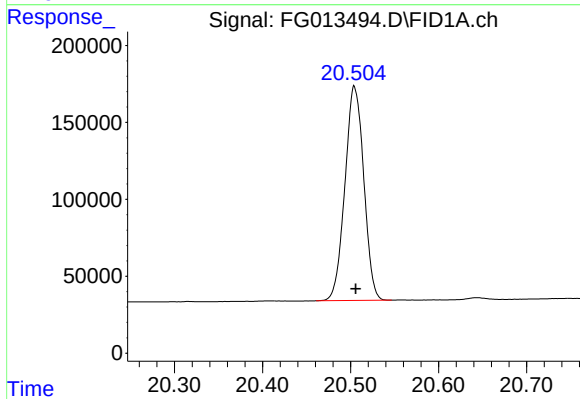
#18 n-Dotriacontane (C32)

R.T.: 18.977 min
Delta R.T.: 0.000 min
Response: 2243501
Conc: 19.82 ug/ml



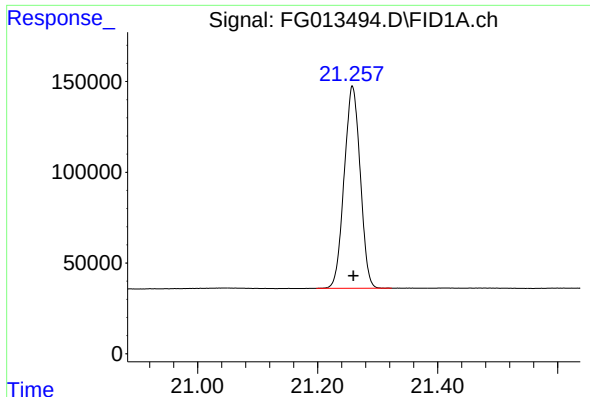
#19 n-Tetratriacontane (C34)

R.T.: 19.764 min
Delta R.T.: 0.000 min
Response: 2154918
Conc: 19.83 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.504 min
Delta R.T.: -0.002 min
Response: 2071925
Conc: 19.93 ug/ml



#21 n-Octatriacontane (C38)

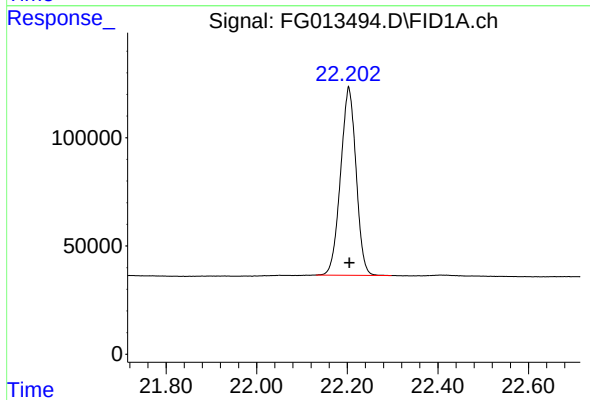
R.T.: 21.258 min
Delta R.T.: -0.002 min
Response: 2068526
Conc: 20.00 ug/ml

Instrument :

FID_G

ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



#22 n-Tetracontane (C40)

R.T.: 22.203 min
Delta R.T.: -0.002 min
Response: 2061022
Conc: 20.18 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG021224AL\
Data File : FG013494.D
Signal(s) : FID1A.ch
Acq On : 12 Feb 2024 16:50
Sample : 20 PPM ALIPHATIC HC STD ICV
Misc :
ALS Vial : 66 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 021224.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.328	3.257	3.368	BB	261644	2559800	89.40%	4.705%
2	4.582	4.542	4.625	BB	263633	2612419	91.24%	4.802%
3	6.287	6.255	6.325	BB	304804	2863211	100.00%	5.263%
4	6.752	6.715	6.792	BB	264224	2643796	92.34%	4.860%
5	7.386	7.348	7.430	BB	288951	2774045	96.89%	5.099%
6	8.585	8.553	8.629	BB	251629	2625290	91.69%	4.826%
7	10.198	10.160	10.245	BB	242457	2709469	94.63%	4.980%
8	11.647	11.610	11.690	BB	240701	2730748	95.37%	5.019%
9	11.966	11.928	12.012	BB	258118	2838815	99.15%	5.218%
10	12.961	12.920	13.009	BB	221911	2614766	91.32%	4.806%
11	13.408	13.373	13.453	BB	177180	2164993	75.61%	3.980%
12	13.575	13.538	13.614	BB	209877	2563631	89.54%	4.712%
13	14.165	14.128	14.201	BB	212221	2538544	88.66%	4.666%
14	15.272	15.232	15.318	BB	188528	2497233	87.22%	4.590%
15	16.297	16.258	16.348	BB	185492	2421701	84.58%	4.451%
16	17.251	17.213	17.304	BB	171235	2324359	81.18%	4.272%
17	18.142	18.090	18.193	BB	169135	2320883	81.06%	4.266%
18	18.977	18.925	19.027	BB	157196	2243501	78.36%	4.124%
19	19.764	19.708	19.808	BB	150787	2154918	75.26%	3.961%
20	20.504	20.461	20.547	BB	139487	2071925	72.36%	3.808%
21	21.258	21.198	21.323	BB	111338	2068526	72.24%	3.802%
22	22.203	22.131	22.298	BB	87166	2061022	71.98%	3.788%
Sum of corrected areas:						54403593		

Aliphatic EPH 021224.M Mon Feb 12 22:48:49 2024