

Initial Calibration Report for SequenceID : FE061025AL

AreaCount

Parameter Range	FE054263.D	FE054264.D	FE054265.D	FE054266.D	FE054267.D	
Aliphatic C9-C12	35906746.000	17394030.000	7455022.000	3876366.000	2057463.000	
Aliphatic C12-C16	24583312.000	12033352.000	5176202.000	2731008.000	1465529.000	
Aliphatic C16-C21	36864900.000	18192733.000	7917595.000	4240633.000	2282212.000	
Aliphatic C21-C28	46210525.000	23050376.000	10006816.000	5347224.000	2915998.000	
Aliphatic C28-C40	70478798.000	35019910.000	15169748.000	8062800.000	4387036.000	
Aliphatic EPH	214044281.000	105690401.000	45725383.000	24258031.000	13108238.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aliphatic C9-C12	125255.2239998	6.63				
Aliphatic C12-C16	131151.686	8.125				
Aliphatic C16-C21	133925.9406662	9.684				
Aliphatic C21-C28	127068.7785	10.196				
Aliphatic C28-C40	128245.359333	9.656				
Aliphatic EPH	128755.229777	9.103				

Concentration

Parameter Range	FE054263.D	FE054264.D	FE054265.D	FE054266.D	FE054267.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	FE054263.D	FE054264.D	FE054265.D	FE054266.D	FE054267.D	
Aliphatic C9-C12	119689.153333	115960.200000	124250.366666	129212.200000	137164.200000	
Aliphatic C12-C16	122916.560000	120333.520000	129405.050000	136550.400000	146552.900000	
Aliphatic C16-C21	122883.000000	121284.886666	131959.916666	141354.433333	152147.466666	

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Aliphatic C21-C28	115526.312500	115251.880000	125085.200000	133680.600000	145799.900000	
Aliphatic C28-C40	117464.663333	116733.033333	126414.566666	134380.000000	146234.533333	
Aliphatic EPH	118913.489444	117433.778888	127014.952777	134766.838888	145647.088888	

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE061025AL\
 Data File : FE054263.D
 Signal(s) : FID1B.ch
 Acq On : 10 Jun 2025 01:12
 Operator : YP\AJ
 Sample : 100 PPM ALIPHATIC HC STD1
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 100 PPM ALIPHATIC HC STD1

Integration File: autoint1.e
 Quant Time: Jun 10 07:13:12 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 061025.M
 Quant Title : GC Extractables
 QLast Update : Tue Jun 10 07:11:27 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.845	15162297	93.141 ug/ml
Spiked Amount 50.000		Recovery =	186.28%
12) S 1-chlorooctadecane (S...	13.287	11284645	93.929 ug/ml
Spiked Amount 50.000		Recovery =	187.86%
Target Compounds			
1) T n-Nonane (C9)	3.185	11838466	96.382 ug/ml
2) T n-Decane (C10)	4.449	11895086	96.488 ug/ml
3) T A~Naphthalene (C11.7)	6.163	13445462	101.209 ug/ml
4) T n-Dodecane (C12)	6.631	12173194	96.124 ug/ml
5) T A~2-methylnaphthalene...	7.267	13350606	101.185 ug/ml
6) T n-Tetradecane (C14)	8.467	12194755	95.419 ug/ml
7) T n-Hexadecane (C16)	10.080	12388557	94.563 ug/ml
8) T n-Octadecane (C18)	11.529	12475994	93.750 ug/ml
10) T n-Eicosane (C20)	12.841	12248560	92.939 ug/ml
11) T n-Heneicosane (C21)	13.454	12140346	92.666 ug/ml
13) T n-Docosane (C22)	14.042	11969689	92.746 ug/ml
14) T n-Tetracosane (C24)	15.148	11704888	92.159 ug/ml
15) T n-Hexacosane (C26)	16.172	11398738	92.228 ug/ml
16) T n-Octacosane (C28)	17.123	11137210	92.286 ug/ml
17) T n-Tricontane (C30)	18.013	11241705	92.516 ug/ml
18) T n-Dotriacontane (C32)	18.847	11408878	92.689 ug/ml
19) T n-Tetratriacontane (C34)	19.632	11373554	92.879 ug/ml
20) T n-Hexatriacontane (C36)	20.373	11880778	93.218 ug/ml
21) T n-Octatriacontane (C38)	21.104	12172753	93.002 ug/ml
22) T n-Tetracontane (C40)	22.001	12401130	93.174 ug/ml

(f)=RT Delta > 1/2 Window

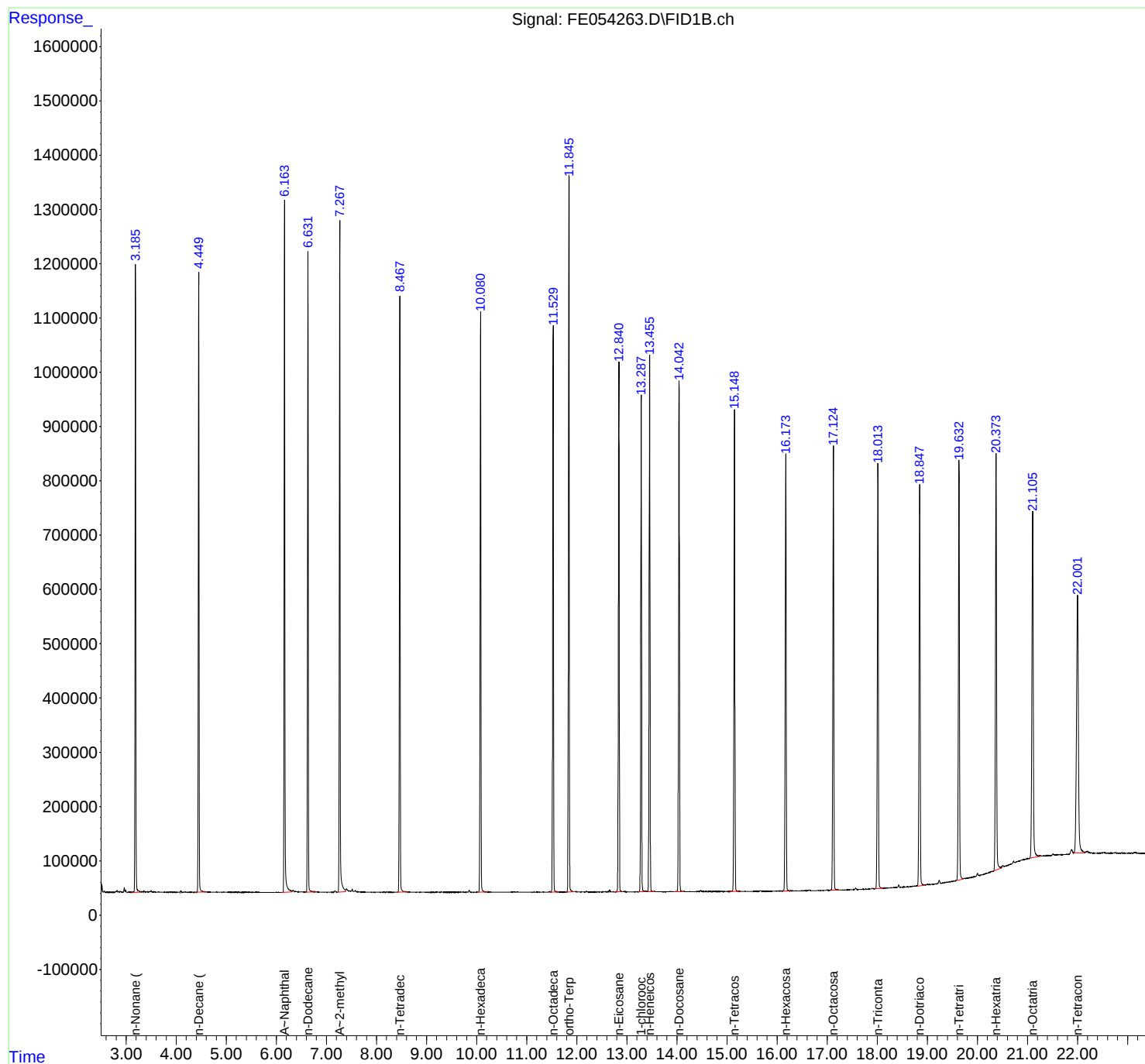
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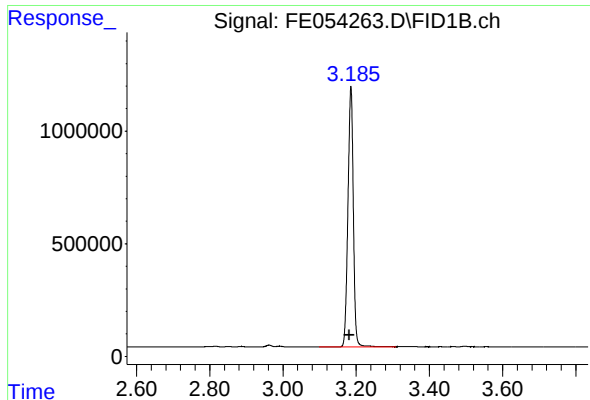
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Data File : FE054263.D
Signal(s) : FID1B.ch
Acq On : 10 Jun 2025 01:12
Operator : YP\AJ
Sample : 100 PPM ALIPHATIC HC STD1
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1

Integration File: autoint1.e
Quant Time: Jun 10 07:13:12 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 061025.M
Quant Title : GC Extractables
QLast Update : Tue Jun 10 07:11:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

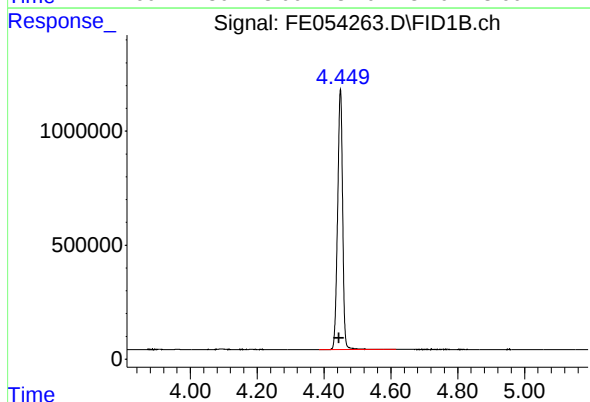




#1 n-Nonane (C9)

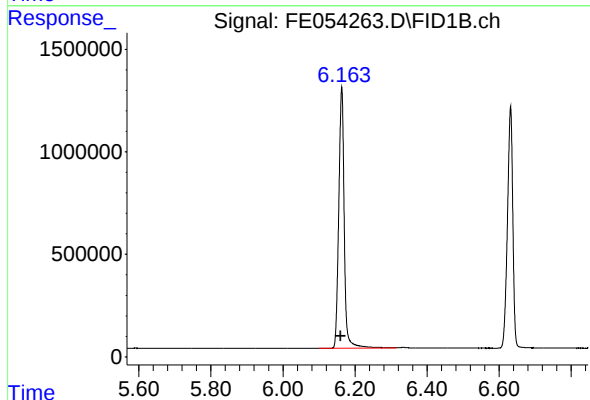
R.T.: 3.185 min
Delta R.T.: 0.004 min
Response: 11838466
Conc: 96.38 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



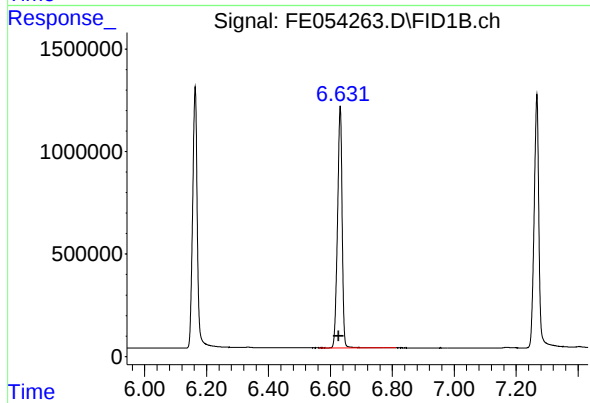
#2 n-Decane (C10)

R.T.: 4.449 min
Delta R.T.: 0.005 min
Response: 11895086
Conc: 96.49 ug/ml



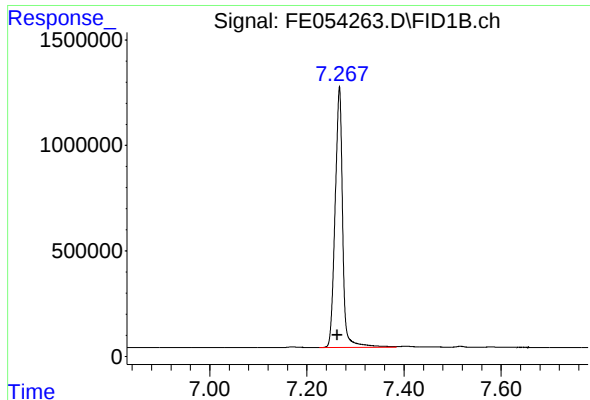
#3 A~Naphthalene (C11.7)

R.T.: 6.163 min
Delta R.T.: 0.003 min
Response: 13445462
Conc: 101.21 ug/ml



#4 n-Dodecane (C12)

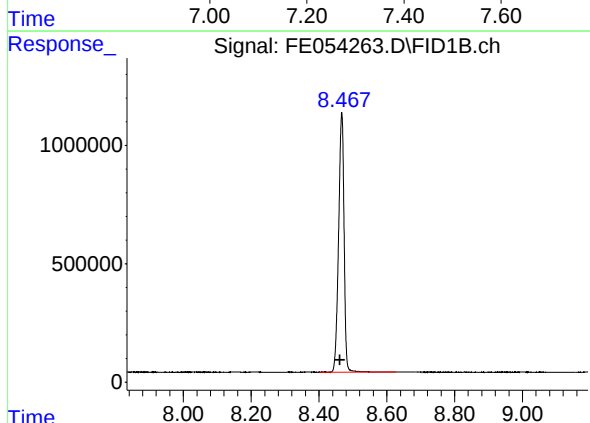
R.T.: 6.631 min
Delta R.T.: 0.005 min
Response: 12173194
Conc: 96.12 ug/ml



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

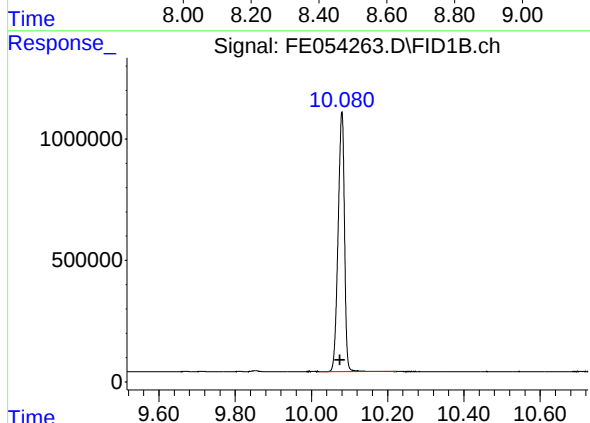
R.T.: 7.267 min
Delta R.T.: 0.004 min
Response: 13350606
Conc: 101.18 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



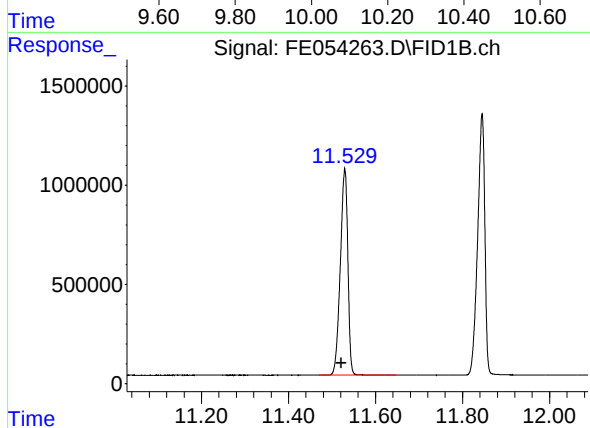
#6 n-Tetradecane (C14)

R.T.: 8.467 min
Delta R.T.: 0.005 min
Response: 12194755
Conc: 95.42 ug/ml



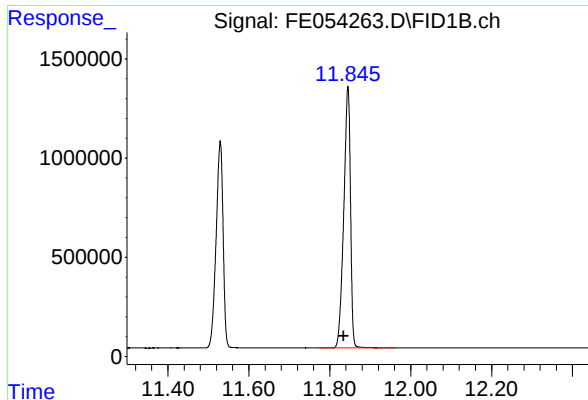
#7 n-Hexadecane (C16)

R.T.: 10.080 min
Delta R.T.: 0.005 min
Response: 12388557
Conc: 94.56 ug/ml



#8 n-Octadecane (C18)

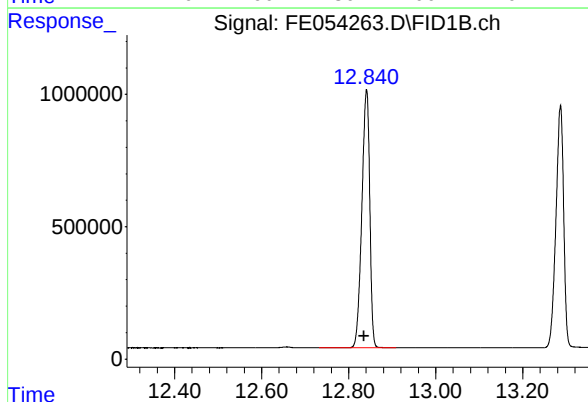
R.T.: 11.529 min
Delta R.T.: 0.008 min
Response: 12475994
Conc: 93.75 ug/ml



#9 ortho-Terphenyl (SURR)

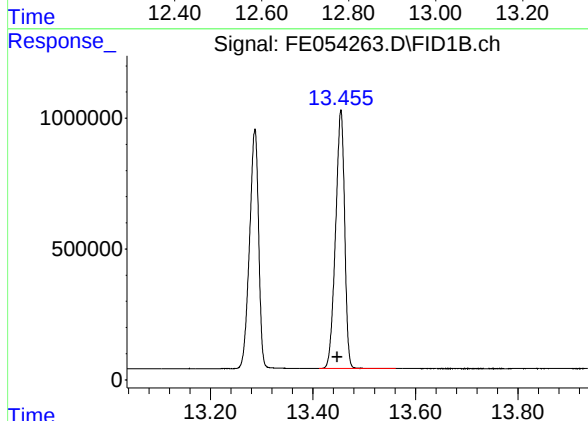
R.T.: 11.845 min
Delta R.T.: 0.010 min
Response: 15162297
Conc: 93.14 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



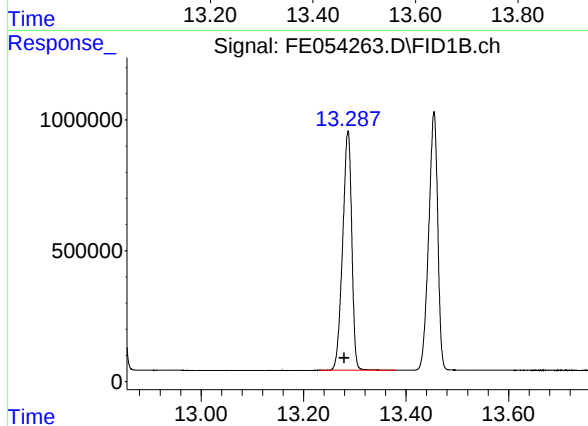
#10 n-Eicosane (C20)

R.T.: 12.841 min
Delta R.T.: 0.006 min
Response: 12248560
Conc: 92.94 ug/ml



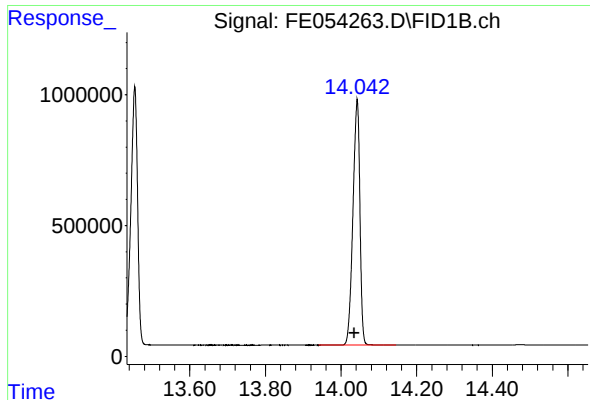
#11 n-Heneicosane (C21)

R.T.: 13.454 min
Delta R.T.: 0.007 min
Response: 12140346
Conc: 92.67 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.287 min
Delta R.T.: 0.007 min
Response: 11284645
Conc: 93.93 ug/ml



#13 n-Docosane (C22)

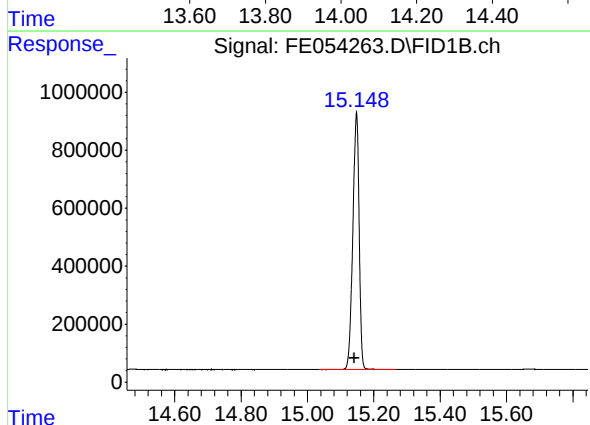
R.T.: 14.042 min
Delta R.T.: 0.007 min
Response: 11969689
Conc: 92.75 ug/ml

Instrument :

FID_E

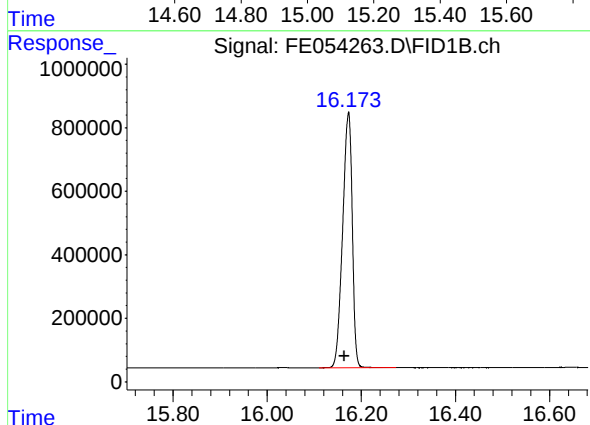
ClientSampleId :

100 PPM ALIPHATIC HC STD1



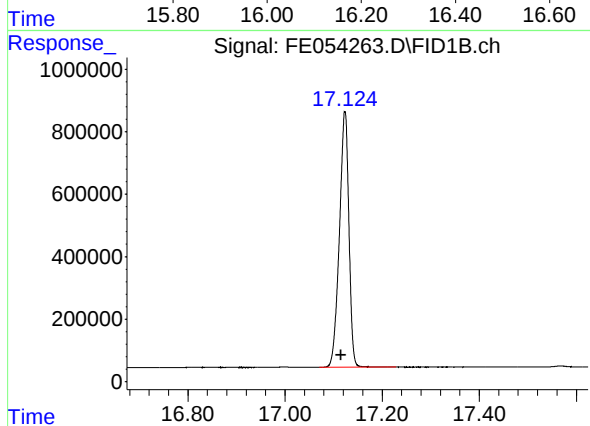
#14 n-Tetracosane (C24)

R.T.: 15.148 min
Delta R.T.: 0.006 min
Response: 11704888
Conc: 92.16 ug/ml



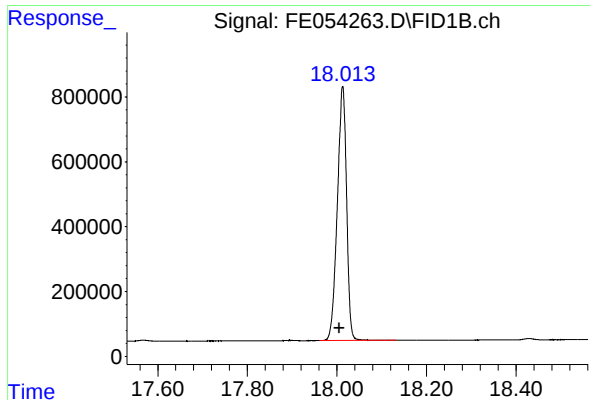
#15 n-Hexacosane (C26)

R.T.: 16.172 min
Delta R.T.: 0.008 min
Response: 11398738
Conc: 92.23 ug/ml



#16 n-Octacosane (C28)

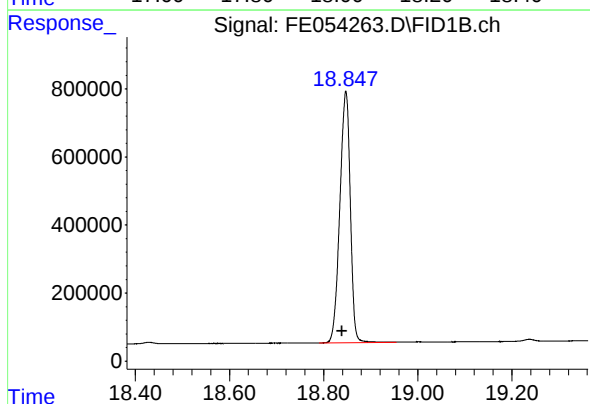
R.T.: 17.123 min
Delta R.T.: 0.008 min
Response: 11137210
Conc: 92.29 ug/ml



#17 n-Tricontane (C30)

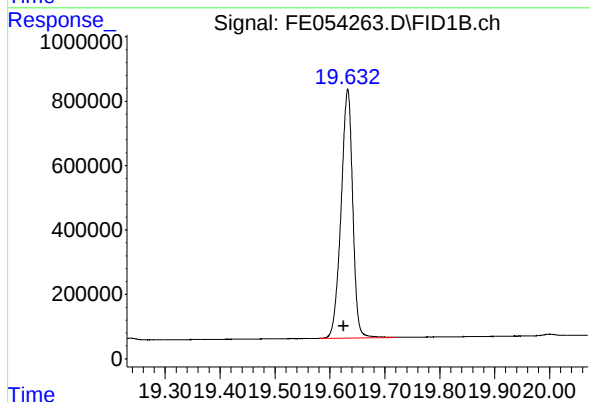
R.T.: 18.013 min
Delta R.T.: 0.007 min
Response: 11241705
Conc: 92.52 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



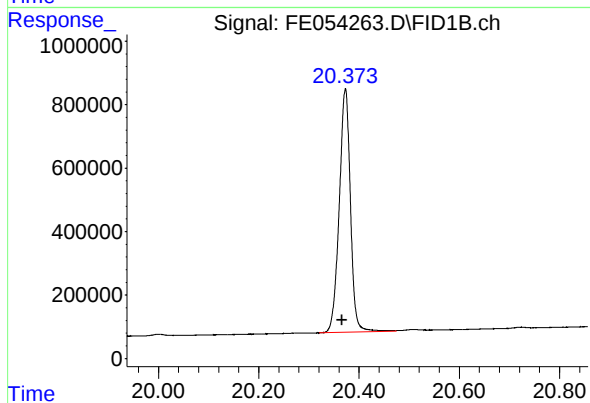
#18 n-Dotriacontane (C32)

R.T.: 18.847 min
Delta R.T.: 0.008 min
Response: 11408878
Conc: 92.69 ug/ml



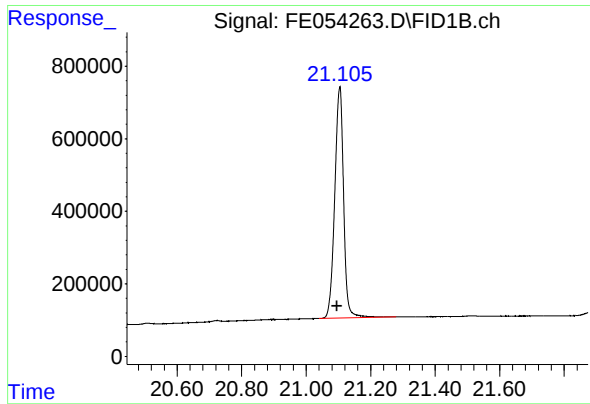
#19 n-Tetratriacontane (C34)

R.T.: 19.632 min
Delta R.T.: 0.007 min
Response: 11373554
Conc: 92.88 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.373 min
Delta R.T.: 0.007 min
Response: 11880778
Conc: 93.22 ug/ml



#21 n-Octatriacontane (C38)

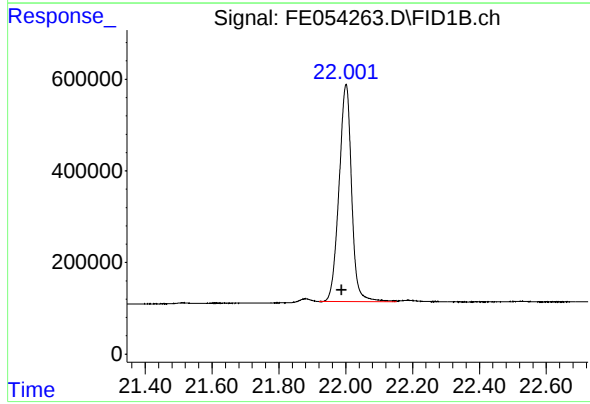
R.T.: 21.104 min
Delta R.T.: 0.008 min
Response: 12172753
Conc: 93.00 ug/ml

Instrument :

FID_E

ClientSampleId :

100 PPM ALIPHATIC HC STD1



#22 n-Tetracontane (C40)

R.T.: 22.001 min
Delta R.T.: 0.013 min
Response: 12401130
Conc: 93.17 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE061025AL\
Data File : FE054263.D
Signal(s) : FID1B.ch
Acq On : 10 Jun 2025 01:12
Sample : 100 PPM ALIPHATIC HC STD1
Misc :
ALS Vial : 26 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 061025.M
Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.185	3.098	3.308	BV	1156473	11838466	78.08%	4.429%
2	4.449	4.385	4.615	BB	1141668	11895086	78.45%	4.450%
3	6.163	6.100	6.313	BV	1279839	13445462	88.68%	5.030%
4	6.631	6.563	6.812	BB	1183749	12173194	80.29%	4.554%
5	7.267	7.225	7.383	PV	1236899	13350606	88.05%	4.995%
6	8.467	8.400	8.627	BV	1097341	12194755	80.43%	4.562%
7	10.080	10.020	10.222	BB	1073446	12388557	81.71%	4.635%
8	11.529	11.470	11.647	BB	1036599	12475994	82.28%	4.668%
9	11.845	11.773	11.963	BV	1321893	15162297	100.00%	5.673%
10	12.841	12.732	12.908	BV	974529	12248560	80.78%	4.583%
11	13.287	13.230	13.380	BV	913955	11284645	74.43%	4.222%
12	13.454	13.412	13.562	VB	992329	12140346	80.07%	4.542%
13	14.042	13.942	14.145	BB	933875	11969689	78.94%	4.478%
14	15.148	15.035	15.267	BB	890432	11704888	77.20%	4.379%
15	16.172	16.110	16.273	BB	799499	11398738	75.18%	4.265%
16	17.123	17.070	17.228	BB	819530	11137210	73.45%	4.167%
17	18.013	17.960	18.132	BB	786186	11241705	74.14%	4.206%
18	18.847	18.790	18.953	BV	740525	11408878	75.25%	4.268%
19	19.632	19.580	19.720	BV	772858	11373554	75.01%	4.255%
20	20.373	20.320	20.473	BV	769669	11880778	78.36%	4.445%
21	21.104	21.040	21.278	BB	635757	12172753	80.28%	4.554%
22	22.001	21.920	22.150	BV	474561	12401130	81.79%	4.640%
Sum of corrected areas:						267287291		

Aliphatic EPH 061025.M Tue Jun 10 07:35:28 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE061025AL\
 Data File : FE054264.D
 Signal(s) : FID1B.ch
 Acq On : 10 Jun 2025 01:42
 Operator : YP\AJ
 Sample : 50 PPM ALIPHATIC HC STD2
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 50 PPM ALIPHATIC HC STD2

Integration File: autoint1.e
 Quant Time: Jun 10 07:13:36 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 061025.M
 Quant Title : GC Extractables
 QLast Update : Tue Jun 10 07:11:27 2025
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 Integrator: ChemStation

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Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
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12) S 1-chlorooctadecane (S...	13.282	5580848	46.453 ug/ml
Spiked Amount 50.000		Recovery =	92.91%
Target Compounds			
1) T n-Nonane (C9)	3.182	5720205	46.571 ug/ml
2) T n-Decane (C10)	4.446	5761474	46.734 ug/ml
3) T A~Naphthalene (C11.7)	6.160	6465961	48.672 ug/ml
4) T n-Dodecane (C12)	6.628	5912351	46.686 ug/ml
5) T A~2-methylnaphthalene...	7.263	6389306	48.425 ug/ml
6) T n-Tetradecane (C14)	8.463	5960244	46.637 ug/ml
7) T n-Hexadecane (C16)	10.076	6073108	46.357 ug/ml
8) T n-Octadecane (C18)	11.524	6130197	46.065 ug/ml
10) T n-Eicosane (C20)	12.837	6049864	45.905 ug/ml
11) T n-Heneicosane (C21)	13.450	6012672	45.894 ug/ml
13) T n-Docosane (C22)	14.037	5936179	45.996 ug/ml
14) T n-Tetracosane (C24)	15.143	5834261	45.936 ug/ml
15) T n-Hexacosane (C26)	16.167	5700392	46.122 ug/ml
16) T n-Octacosane (C28)	17.118	5579544	46.234 ug/ml
17) T n-Tricontane (C30)	18.007	5638487	46.403 ug/ml
18) T n-Dotriacontane (C32)	18.842	5697628	46.289 ug/ml
19) T n-Tetratriacontane (C34)	19.627	5659481	46.217 ug/ml
20) T n-Hexatriacontane (C36)	20.369	5889120	46.207 ug/ml
21) T n-Octatriacontane (C38)	21.097	6048842	46.214 ug/ml
22) T n-Tetracontane (C40)	21.991	6086352	45.729 ug/ml

(f)=RT Delta > 1/2 Window

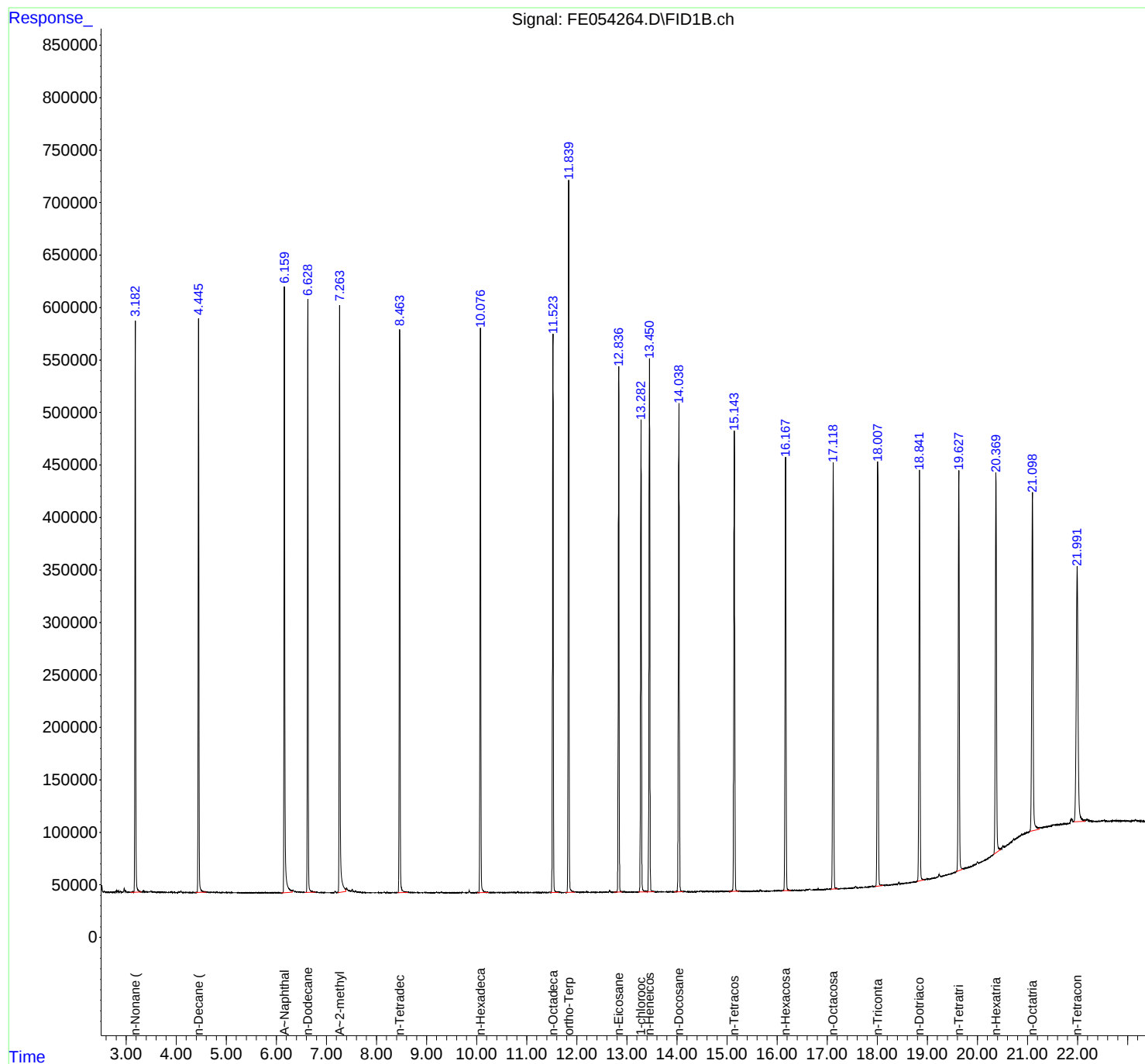
(m)=manual int.

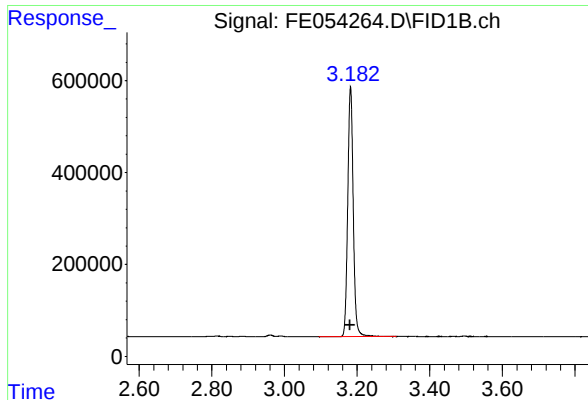
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE061025AL\
Data File : FE054264.D
Signal(s) : FID1B.ch
Acq On : 10 Jun 2025 01:42
Operator : YP\AJ
Sample : 50 PPM ALIPHATIC HC STD2
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
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ClientSampleId :
50 PPM ALIPHATIC HC STD2

Integration File: autoint1.e
Quant Time: Jun 10 07:13:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 061025.M
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Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

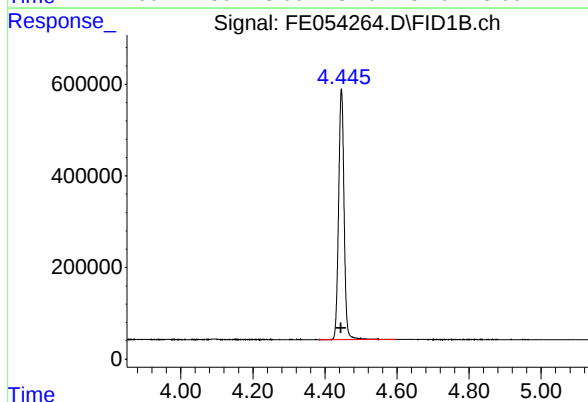




#1 n-Nonane (C9)

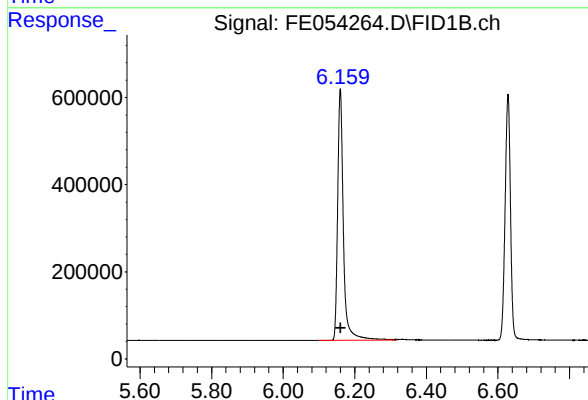
R.T.: 3.182 min
Delta R.T.: 0.000 min
Response: 5720205
Conc: 46.57 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



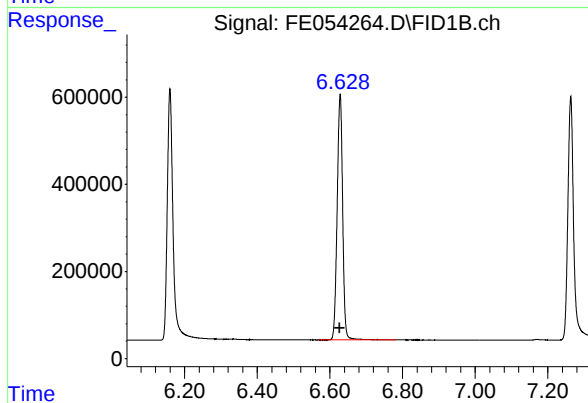
#2 n-Decane (C10)

R.T.: 4.446 min
Delta R.T.: 0.001 min
Response: 5761474
Conc: 46.73 ug/ml



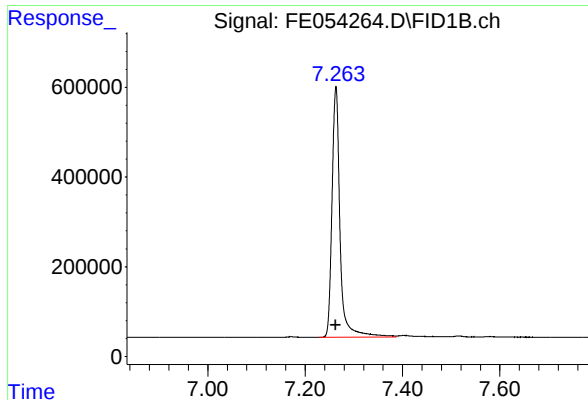
#3 A~Naphthalene (C11.7)

R.T.: 6.160 min
Delta R.T.: 0.000 min
Response: 6465961
Conc: 48.67 ug/ml



#4 n-Dodecane (C12)

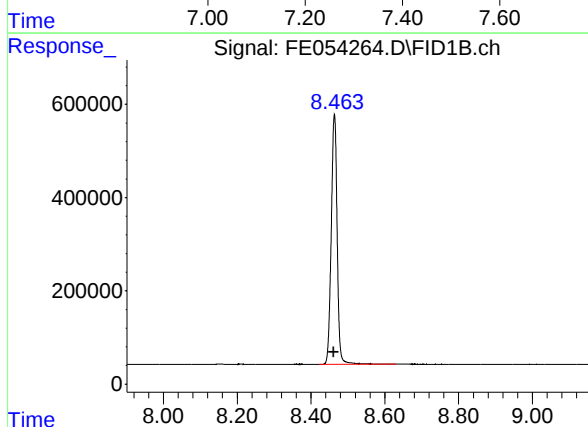
R.T.: 6.628 min
Delta R.T.: 0.002 min
Response: 5912351
Conc: 46.69 ug/ml



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

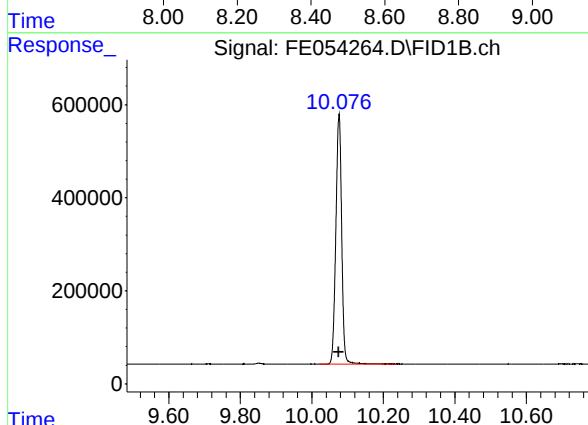
R.T.: 7.263 min
Delta R.T.: 0.000 min
Response: 6389306
Conc: 48.42 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



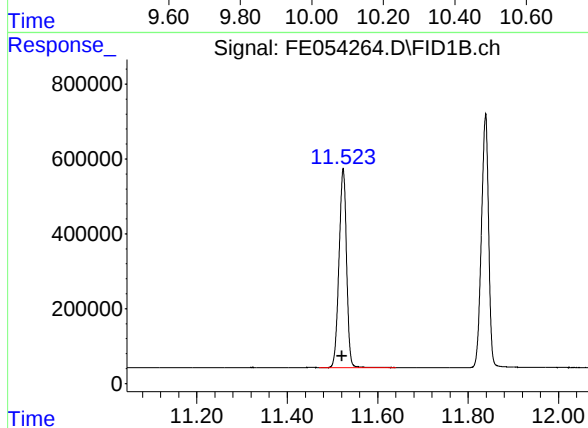
#6 n-Tetradecane (C14)

R.T.: 8.463 min
Delta R.T.: 0.002 min
Response: 5960244
Conc: 46.64 ug/ml



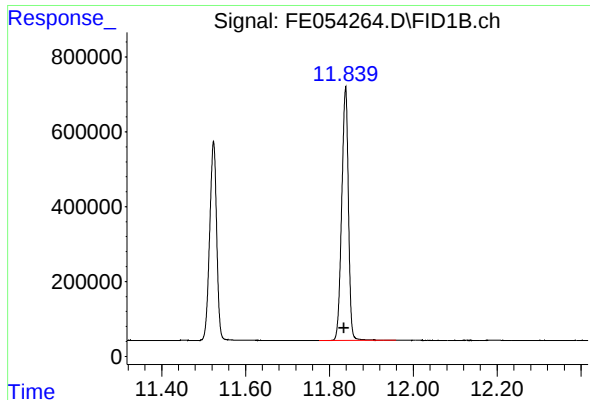
#7 n-Hexadecane (C16)

R.T.: 10.076 min
Delta R.T.: 0.001 min
Response: 6073108
Conc: 46.36 ug/ml



#8 n-Octadecane (C18)

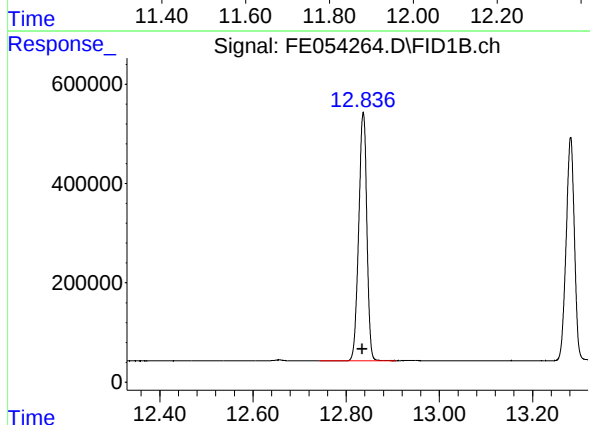
R.T.: 11.524 min
Delta R.T.: 0.003 min
Response: 6130197
Conc: 46.06 ug/ml



#9 ortho-Terphenyl (SURR)

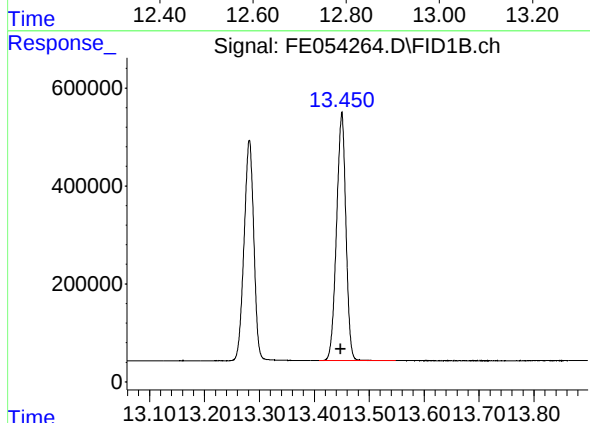
R.T.: 11.838 min
Delta R.T.: 0.003 min
Response: 7485416
Conc: 45.98 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



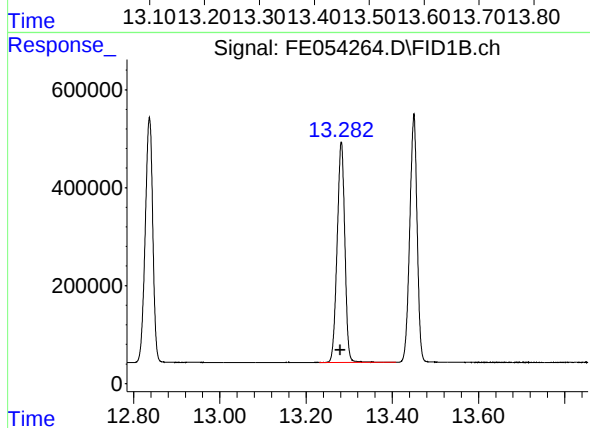
#10 n-Eicosane (C20)

R.T.: 12.837 min
Delta R.T.: 0.002 min
Response: 6049864
Conc: 45.91 ug/ml



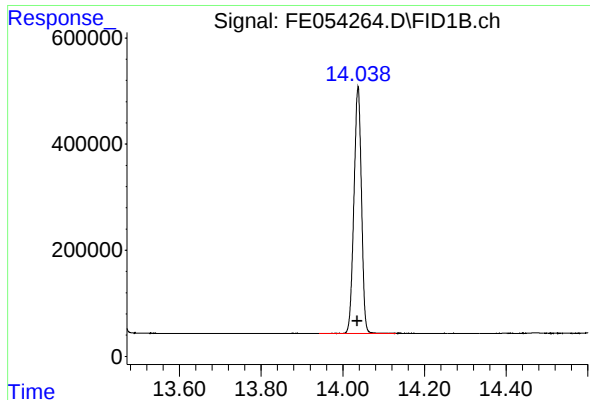
#11 n-Heneicosane (C21)

R.T.: 13.450 min
Delta R.T.: 0.002 min
Response: 6012672
Conc: 45.89 ug/ml



#12 1-chlorooctadecane (SURR)

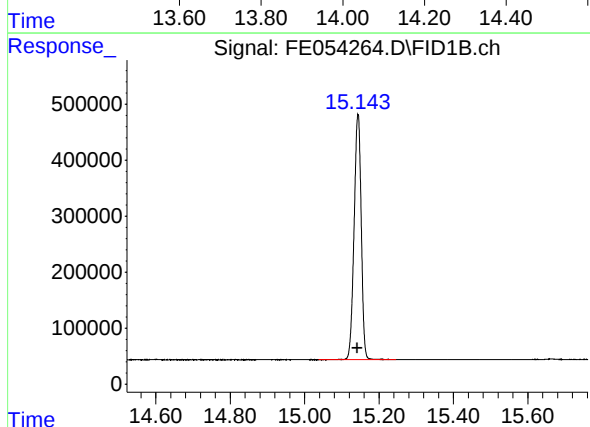
R.T.: 13.282 min
Delta R.T.: 0.002 min
Response: 5580848
Conc: 46.45 ug/ml



#13 n-Docosane (C22)

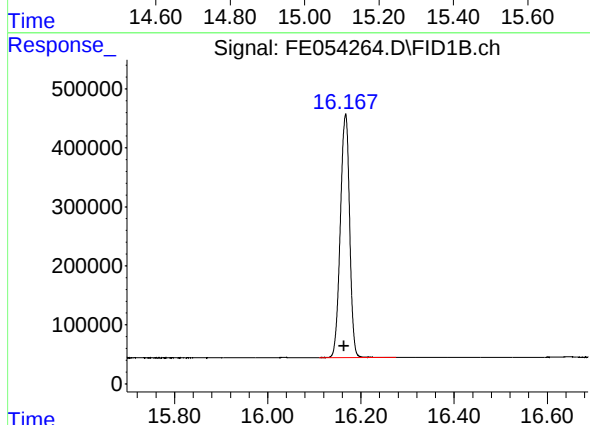
R.T.: 14.037 min
Delta R.T.: 0.002 min
Response: 5936179
Conc: 46.00 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



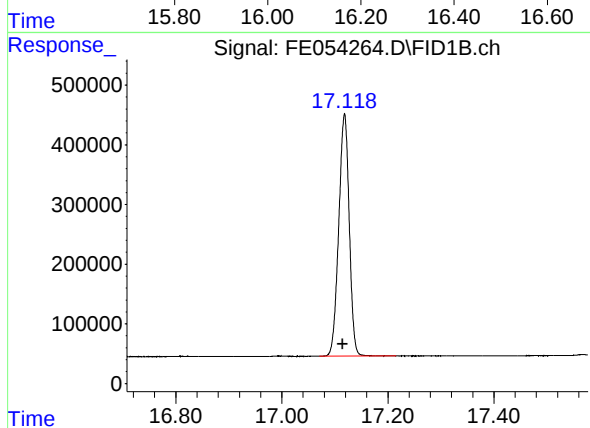
#14 n-Tetracosane (C24)

R.T.: 15.143 min
Delta R.T.: 0.002 min
Response: 5834261
Conc: 45.94 ug/ml



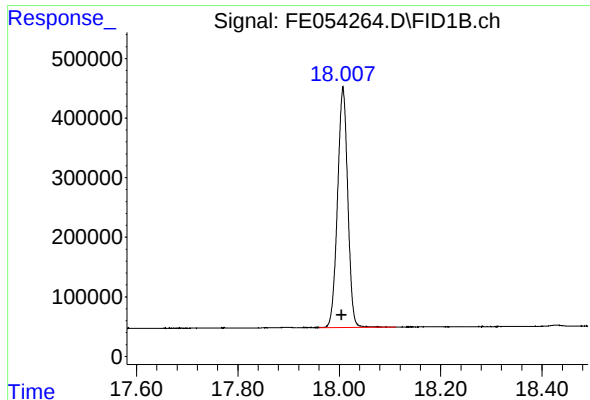
#15 n-Hexacosane (C26)

R.T.: 16.167 min
Delta R.T.: 0.003 min
Response: 5700392
Conc: 46.12 ug/ml



#16 n-Octacosane (C28)

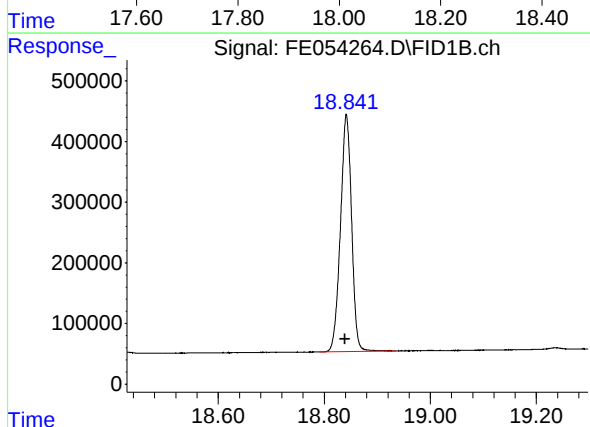
R.T.: 17.118 min
Delta R.T.: 0.003 min
Response: 5579544
Conc: 46.23 ug/ml



#17 n-Tricontane (C30)

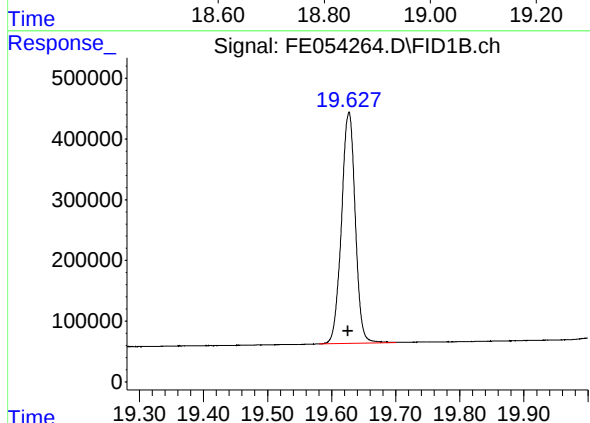
R.T.: 18.007 min
Delta R.T.: 0.002 min
Response: 5638487
Conc: 46.40 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



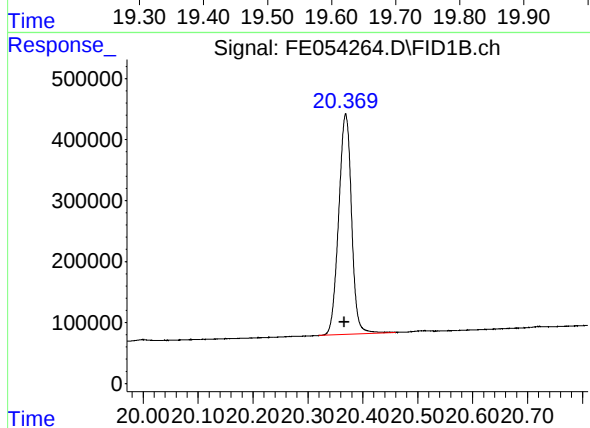
#18 n-Dotriacontane (C32)

R.T.: 18.842 min
Delta R.T.: 0.003 min
Response: 5697628
Conc: 46.29 ug/ml



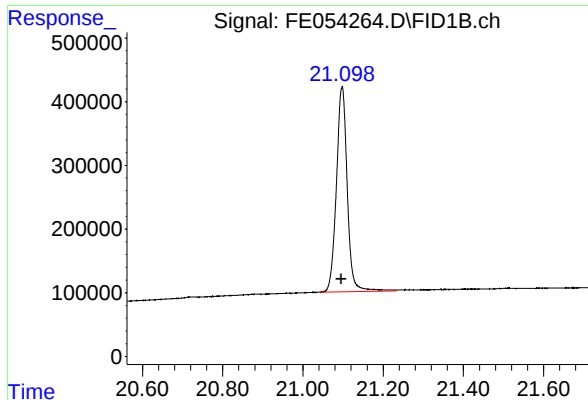
#19 n-Tetratriacontane (C34)

R.T.: 19.627 min
Delta R.T.: 0.002 min
Response: 5659481
Conc: 46.22 ug/ml



#20 n-Hexatriacontane (C36)

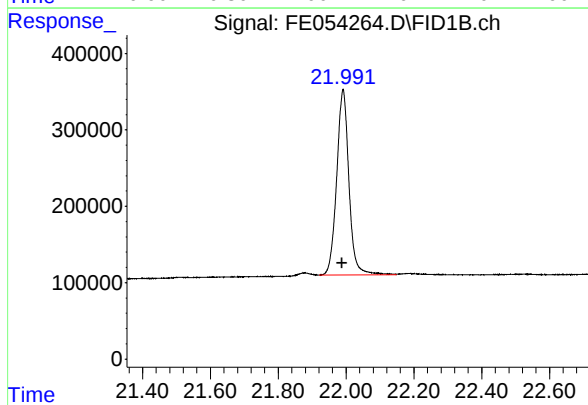
R.T.: 20.369 min
Delta R.T.: 0.003 min
Response: 5889120
Conc: 46.21 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.097 min
Delta R.T.: 0.002 min
Response: 6048842
Conc: 46.21 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



#22 n-Tetracontane (C40)

R.T.: 21.991 min
Delta R.T.: 0.003 min
Response: 6086352
Conc: 45.73 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE061025AL\
Data File : FE054264.D
Signal(s) : FID1B.ch
Acq On : 10 Jun 2025 01:42
Sample : 50 PPM ALIPHATIC HC STD2
Misc :
ALS Vial : 27 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 061025.M
Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.182	3.095	3.307	BV	544697	5720205	76.42%	4.346%
2	4.446	4.384	4.597	BB	546507	5761474	76.97%	4.378%
3	6.160	6.100	6.315	BV	577195	6465961	86.38%	4.913%
4	6.628	6.570	6.782	BB	566823	5912351	78.98%	4.492%
5	7.263	7.229	7.387	BV	561096	6389306	85.36%	4.855%
6	8.463	8.422	8.630	BB	536519	5960244	79.62%	4.529%
7	10.076	10.020	10.235	BB	533897	6073108	81.13%	4.614%
8	11.524	11.470	11.640	BB	532247	6130197	81.90%	4.658%
9	11.838	11.775	11.959	BV	675992	7485416	100.00%	5.687%
10	12.837	12.742	12.907	BV	501008	6049864	80.82%	4.597%
11	13.282	13.230	13.409	BV	450744	5580848	74.56%	4.240%
12	13.450	13.409	13.549	VB	507906	6012672	80.33%	4.568%
13	14.037	13.942	14.130	BB	463519	5936179	79.30%	4.510%
14	15.143	15.039	15.245	BB	439140	5834261	77.94%	4.433%
15	16.167	16.110	16.275	BB	411960	5700392	76.15%	4.331%
16	17.118	17.070	17.215	BB	407122	5579544	74.54%	4.239%
17	18.007	17.960	18.112	BB	402827	5638487	75.33%	4.284%
18	18.842	18.790	18.935	BB	390641	5697628	76.12%	4.329%
19	19.627	19.580	19.700	BV	381079	5659481	75.61%	4.300%
20	20.369	20.320	20.460	BV	361682	5889120	78.67%	4.475%
21	21.097	21.040	21.232	BV	321545	6048842	80.81%	4.596%
22	21.991	21.920	22.147	BV	243598	6086352	81.31%	4.624%
Sum of corrected areas:						131611932		

Aliphatic EPH 061025.M Tue Jun 10 07:36:31 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE061025AL\
 Data File : FE054265.D
 Signal(s) : FID1B.ch
 Acq On : 10 Jun 2025 02:12
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD3
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD3

Integration File: autoint1.e
 Quant Time: Jun 10 07:14:02 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 061025.M
 Quant Title : GC Extractables
 QLast Update : Tue Jun 10 07:11:27 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.835	3255779	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
12) S 1-chlorooctadecane (S...	13.280	2402795	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
Target Compounds			
1) T n-Nonane (C9)	3.181	2456578	20.000 ug/ml
2) T n-Decane (C10)	4.444	2465621	20.000 ug/ml
3) T A~Naphthalene (C11.7)	6.160	2656975	20.000 ug/ml
4) T n-Dodecane (C12)	6.627	2532823	20.000 ug/ml
5) T A~2-methylnaphthalene...	7.263	2638857	20.000 ug/ml
6) T n-Tetradecane (C14)	8.461	2556038	20.000 ug/ml
7) T n-Hexadecane (C16)	10.075	2620164	20.000 ug/ml
8) T n-Octadecane (C18)	11.521	2661552	20.000 ug/ml
10) T n-Eicosane (C20)	12.835	2635818	20.000 ug/ml
11) T n-Heneicosane (C21)	13.448	2620225	20.000 ug/ml
13) T n-Docosane (C22)	14.035	2581183	20.000 ug/ml
14) T n-Tetracosane (C24)	15.141	2540142	20.000 ug/ml
15) T n-Hexacosane (C26)	16.164	2471862	20.000 ug/ml
16) T n-Octacosane (C28)	17.115	2413629	20.000 ug/ml
17) T n-Tricontane (C30)	18.005	2430216	20.000 ug/ml
18) T n-Dotriacontane (C32)	18.839	2461765	20.000 ug/ml
19) T n-Tetratriacontane (C34)	19.625	2449101	20.000 ug/ml
20) T n-Hexatriacontane (C36)	20.366	2549019	20.000 ug/ml
21) T n-Octatriacontane (C38)	21.096	2617727	20.000 ug/ml
22) T n-Tetracontane (C40)	21.988	2661920	20.000 ug/ml

(f)=RT Delta > 1/2 Window

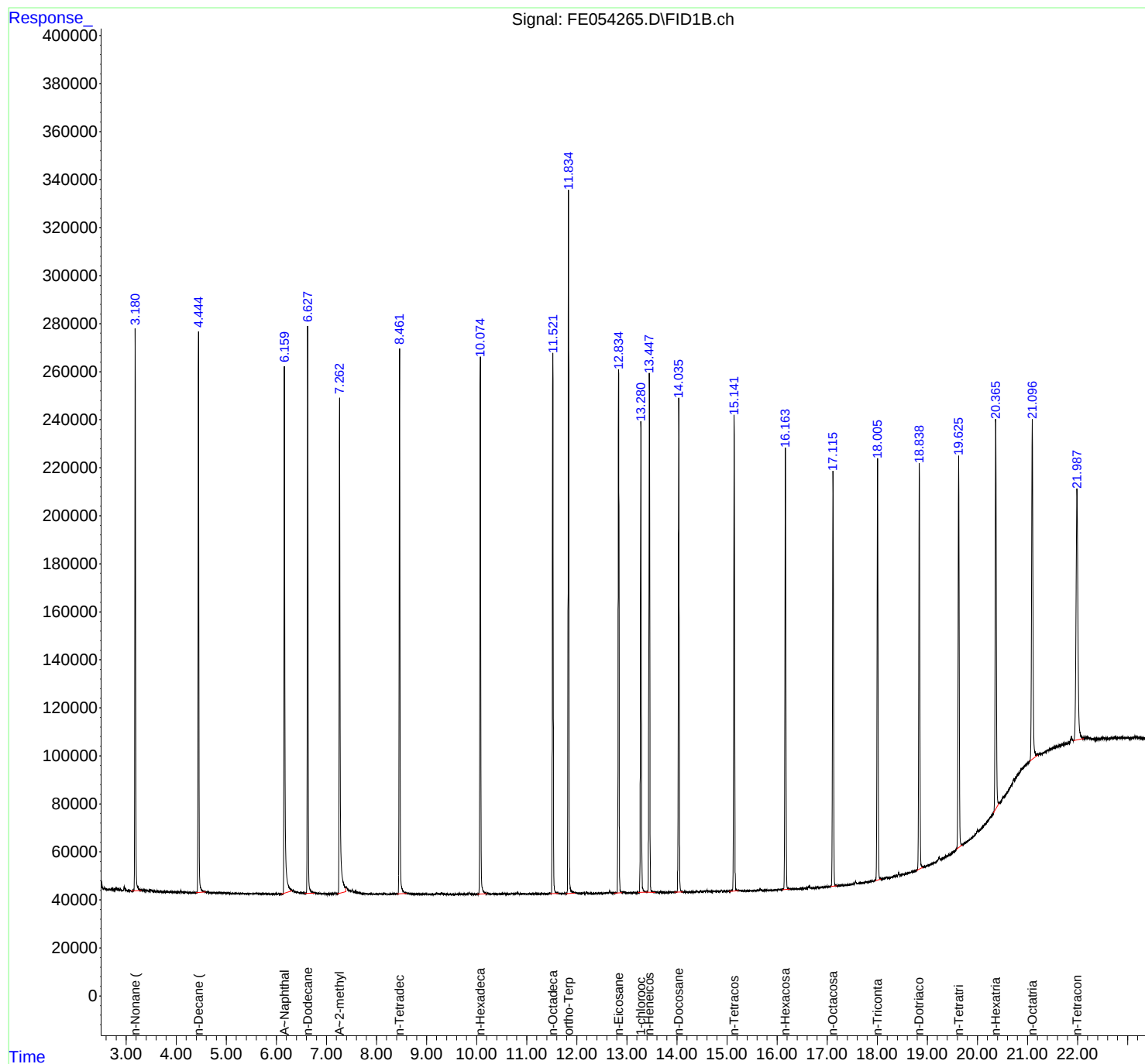
(m)=manual int.

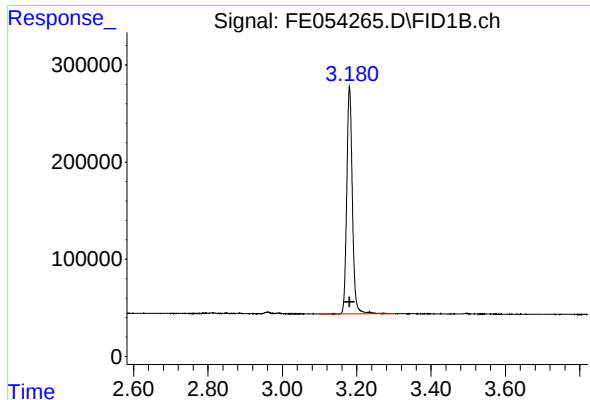
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE061025AL\
Data File : FE054265.D
Signal(s) : FID1B.ch
Acq On : 10 Jun 2025 02:12
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD3
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3

Integration File: autoint1.e
Quant Time: Jun 10 07:14:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 061025.M
Quant Title : GC Extractables
QLast Update : Tue Jun 10 07:11:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

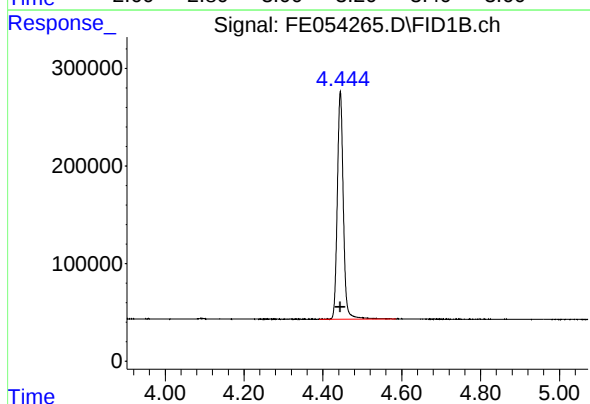




#1 n-Nonane (C9)

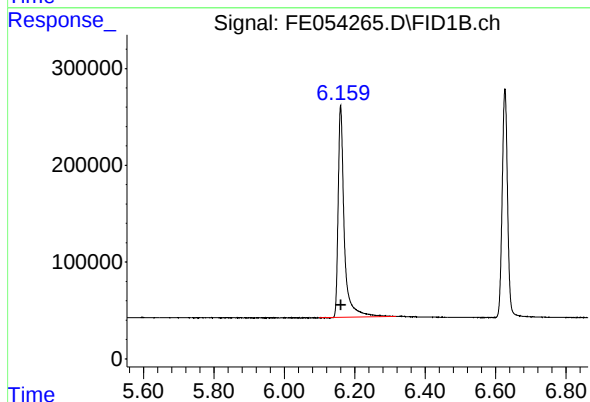
R.T.: 3.181 min
Delta R.T.: 0.000 min
Response: 2456578
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



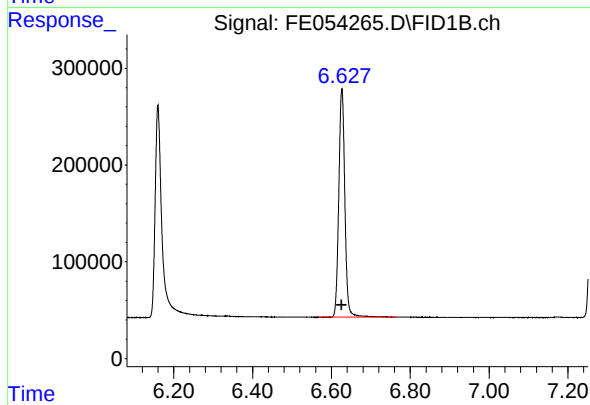
#2 n-Decane (C10)

R.T.: 4.444 min
Delta R.T.: 0.000 min
Response: 2465621
Conc: 20.00 ug/ml



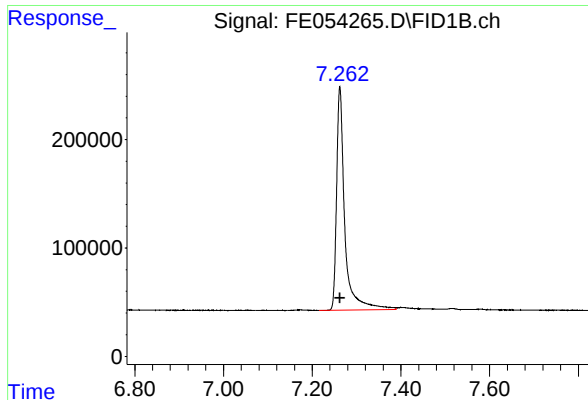
#3 A~Naphthalene (C11.7)

R.T.: 6.160 min
Delta R.T.: 0.000 min
Response: 2656975
Conc: 20.00 ug/ml



#4 n-Dodecane (C12)

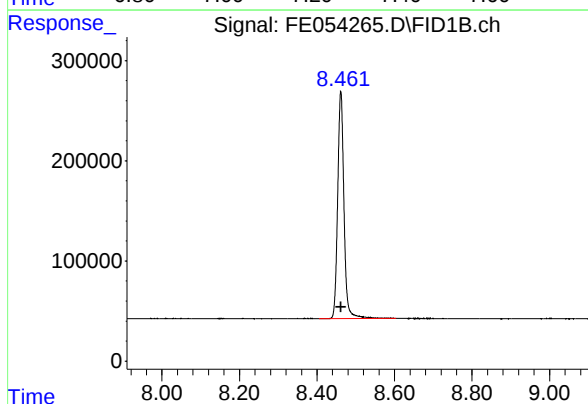
R.T.: 6.627 min
Delta R.T.: 0.000 min
Response: 2532823
Conc: 20.00 ug/ml



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

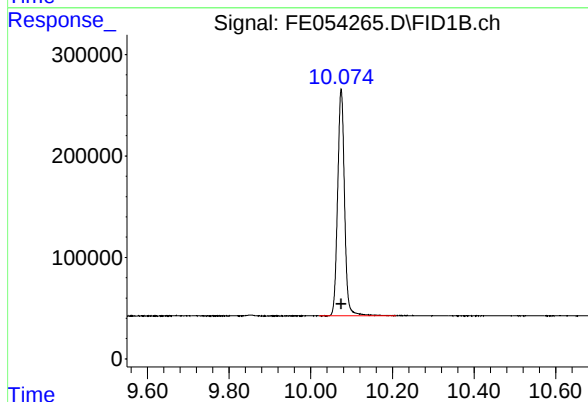
R.T.: 7.263 min
Delta R.T.: 0.000 min
Response: 2638857
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



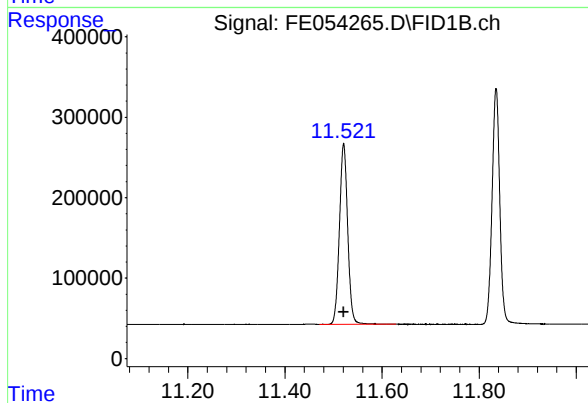
#6 n-Tetradecane (C14)

R.T.: 8.461 min
Delta R.T.: 0.000 min
Response: 2556038
Conc: 20.00 ug/ml



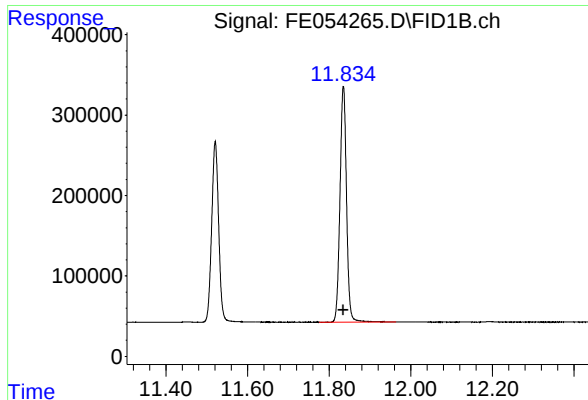
#7 n-Hexadecane (C16)

R.T.: 10.075 min
Delta R.T.: 0.000 min
Response: 2620164
Conc: 20.00 ug/ml



#8 n-Octadecane (C18)

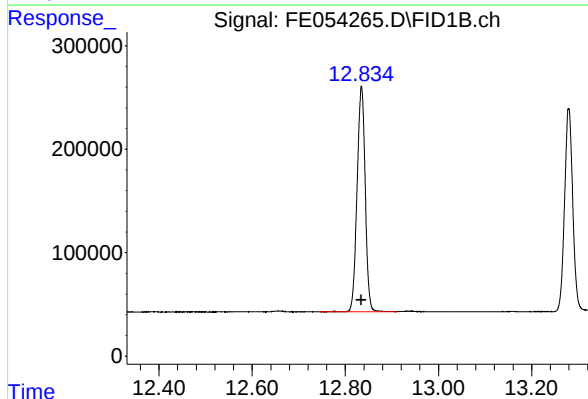
R.T.: 11.521 min
Delta R.T.: 0.000 min
Response: 2661552
Conc: 20.00 ug/ml



#9 ortho-Terphenyl (SURR)

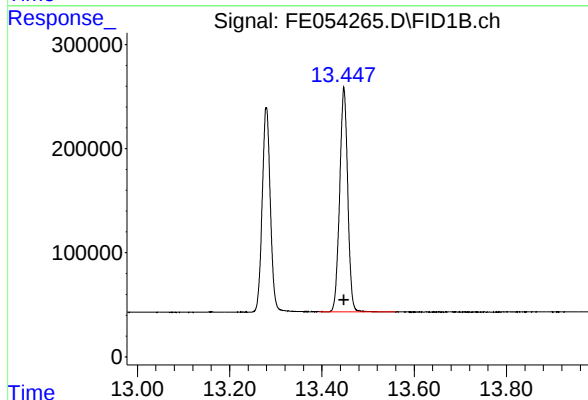
R.T.: 11.835 min
Delta R.T.: 0.000 min
Response: 3255779
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



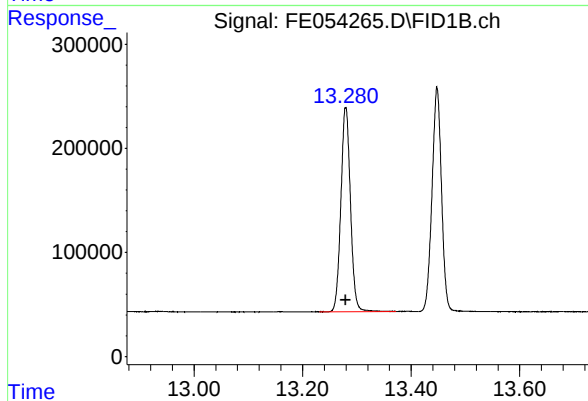
#10 n-Eicosane (C20)

R.T.: 12.835 min
Delta R.T.: 0.000 min
Response: 2635818
Conc: 20.00 ug/ml



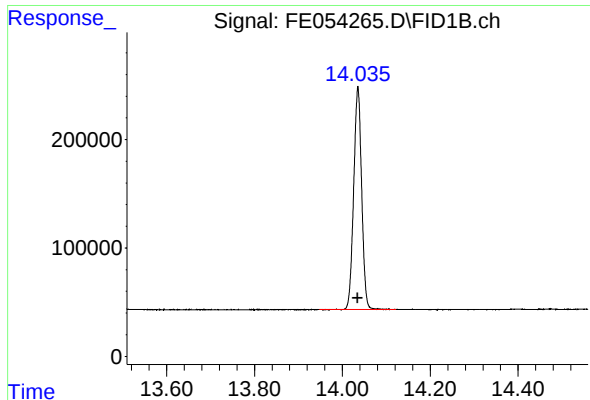
#11 n-Heneicosane (C21)

R.T.: 13.448 min
Delta R.T.: 0.000 min
Response: 2620225
Conc: 20.00 ug/ml



#12 1-chlorooctadecane (SURR)

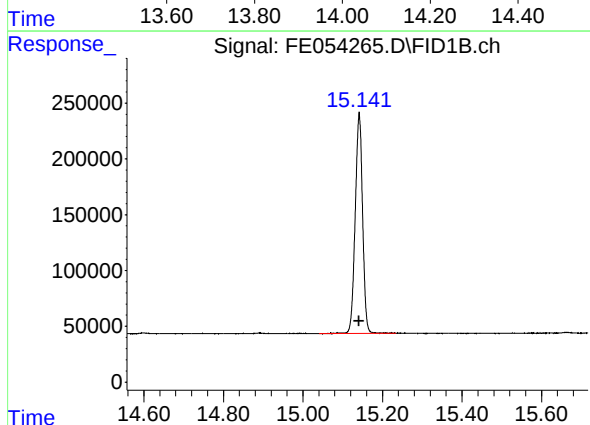
R.T.: 13.280 min
Delta R.T.: 0.000 min
Response: 2402795
Conc: 20.00 ug/ml



#13 n-Docosane (C22)

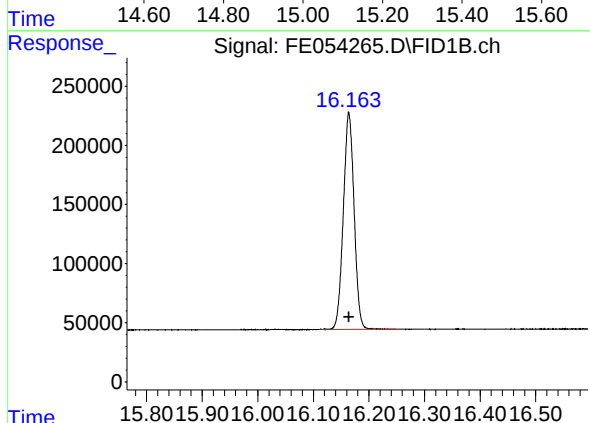
R.T.: 14.035 min
Delta R.T.: 0.000 min
Response: 2581183
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



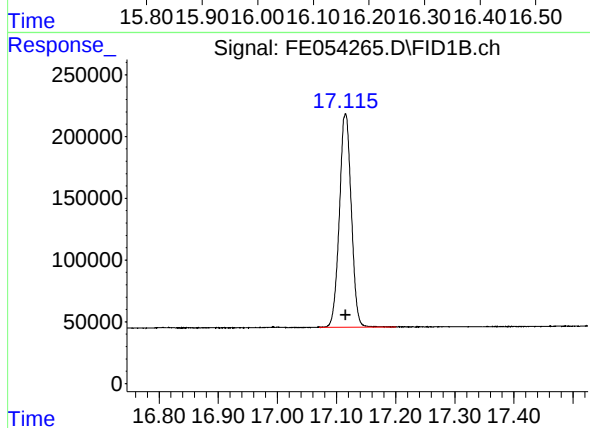
#14 n-Tetracosane (C24)

R.T.: 15.141 min
Delta R.T.: 0.000 min
Response: 2540142
Conc: 20.00 ug/ml



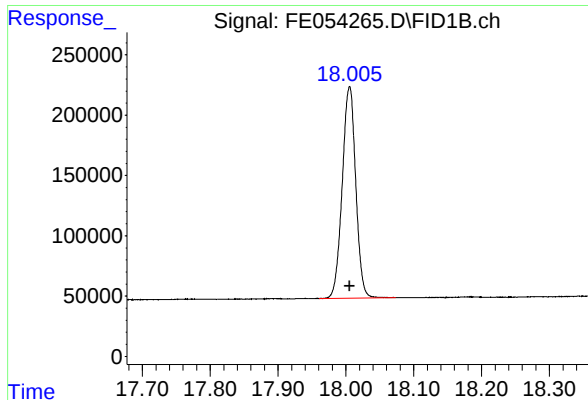
#15 n-Hexacosane (C26)

R.T.: 16.164 min
Delta R.T.: 0.000 min
Response: 2471862
Conc: 20.00 ug/ml



#16 n-Octacosane (C28)

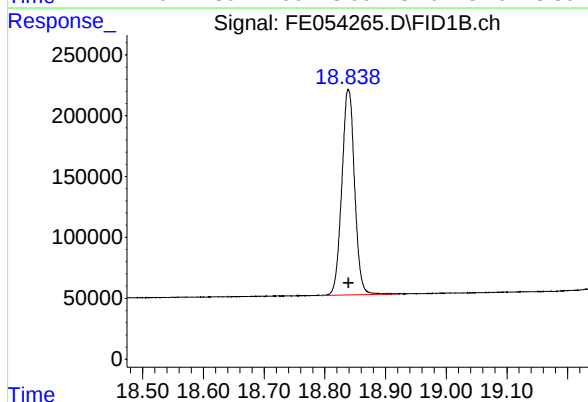
R.T.: 17.115 min
Delta R.T.: 0.000 min
Response: 2413629
Conc: 20.00 ug/ml



#17 n-Tricontane (C30)

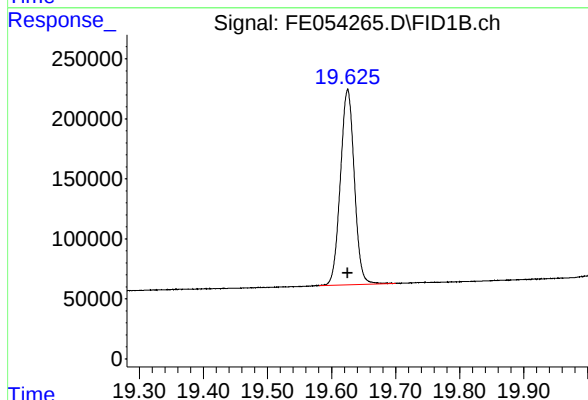
R.T.: 18.005 min
Delta R.T.: 0.000 min
Response: 2430216
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



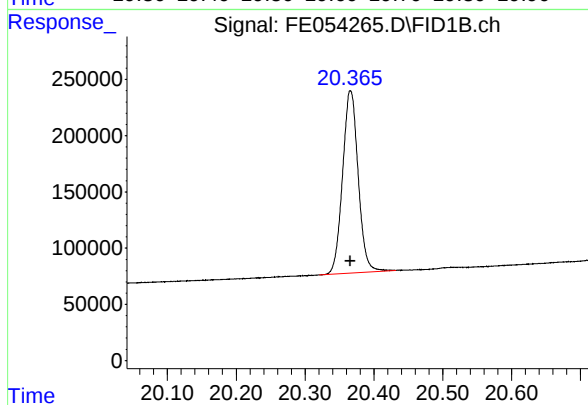
#18 n-Dotriacontane (C32)

R.T.: 18.839 min
Delta R.T.: 0.000 min
Response: 2461765
Conc: 20.00 ug/ml



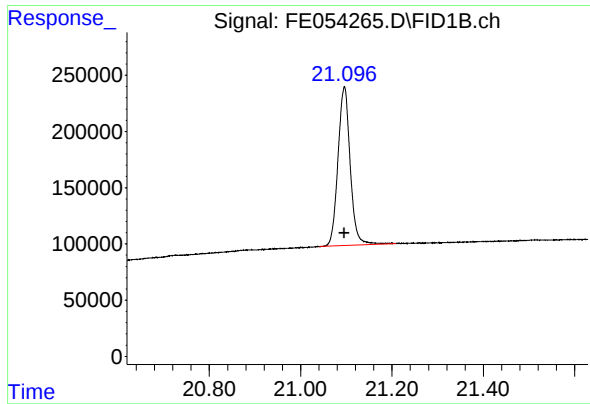
#19 n-Tetatriacontane (C34)

R.T.: 19.625 min
Delta R.T.: 0.000 min
Response: 2449101
Conc: 20.00 ug/ml



#20 n-Hexatriacontane (C36)

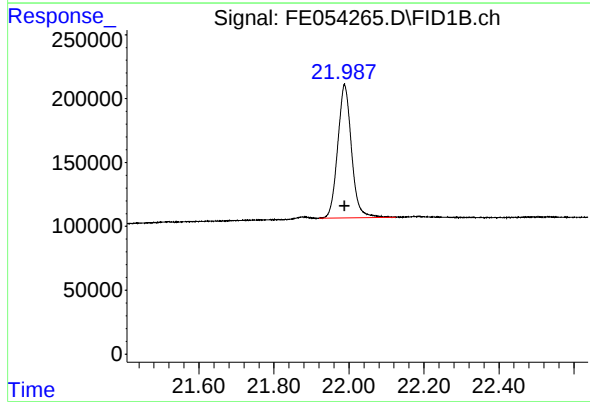
R.T.: 20.366 min
Delta R.T.: 0.000 min
Response: 2549019
Conc: 20.00 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.096 min
Delta R.T.: 0.000 min
Response: 2617727
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



#22 n-Tetracontane (C40)

R.T.: 21.988 min
Delta R.T.: 0.000 min
Response: 2661920
Conc: 20.00 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE061025AL\
 Data File : FE054265.D
 Signal(s) : FID1B.ch
 Acq On : 10 Jun 2025 02:12
 Sample : 20 PPM ALIPHATIC HC STD3
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 061025.M
 Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.181	3.099	3.305	BB	233837	2456578	75.45%	4.334%
2	4.444	4.390	4.585	BB	233214	2465621	75.73%	4.350%
3	6.160	6.099	6.317	BV	218455	2656975	81.61%	4.688%
4	6.627	6.569	6.764	BB	236798	2532823	77.79%	4.469%
5	7.263	7.215	7.389	BV	205944	2638857	81.05%	4.656%
6	8.461	8.405	8.604	BB	227081	2556038	78.51%	4.510%
7	10.075	10.020	10.209	BB	223535	2620164	80.48%	4.623%
8	11.521	11.470	11.629	BB	224465	2661552	81.75%	4.696%
9	11.835	11.775	11.964	BB	293691	3255779	100.00%	5.744%
10	12.835	12.744	12.909	BV	217996	2635818	80.96%	4.650%
11	13.280	13.230	13.372	BB	196830	2402795	73.80%	4.239%
12	13.448	13.394	13.560	BB	216067	2620225	80.48%	4.623%
13	14.035	13.947	14.122	BB	205674	2581183	79.28%	4.554%
14	15.141	15.040	15.234	BB	197577	2540142	78.02%	4.482%
15	16.164	16.110	16.249	BB	183583	2471862	75.92%	4.361%
16	17.115	17.070	17.200	BB	172966	2413629	74.13%	4.258%
17	18.005	17.960	18.074	BB	175799	2430216	74.64%	4.288%
18	18.839	18.790	18.917	BB	168669	2461765	75.61%	4.343%
19	19.625	19.580	19.700	BV	163192	2449101	75.22%	4.321%
20	20.366	20.320	20.432	BV	162417	2549019	78.29%	4.497%
21	21.096	21.040	21.209	BB	141353	2617727	80.40%	4.618%
22	21.988	21.920	22.125	BV	104263	2661920	81.76%	4.696%
Sum of corrected areas:							56679787	

Aliphatic EPH 061025.M Tue Jun 10 07:37:15 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE061025AL\
 Data File : FE054266.D
 Signal(s) : FID1B.ch
 Acq On : 10 Jun 2025 02:42
 Operator : YP\AJ
 Sample : 10 PPM ALIPHATIC HC STD4
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 10 PPM ALIPHATIC HC STD4

Integration File: autoint1.e
 Quant Time: Jun 10 07:14:26 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 061025.M
 Quant Title : GC Extractables
 QLast Update : Tue Jun 10 07:11:27 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.834	1736358	10.666 ug/ml
Spiked Amount 50.000		Recovery =	21.33%
12) S 1-chlorooctadecane (S...	13.279	1282946	10.679 ug/ml
Spiked Amount 50.000		Recovery =	21.36%
Target Compounds			
1) T n-Nonane (C9)	3.181	1277646	10.402 ug/ml
2) T n-Decane (C10)	4.444	1281451	10.395 ug/ml
3) T A~Naphthalene (C11.7)	6.162	1392801	10.484 ug/ml
4) T n-Dodecane (C12)	6.626	1317269	10.402 ug/ml
5) T A~2-methylnaphthalene...	7.264	1342201	10.173 ug/ml
6) T n-Tetradecane (C14)	8.461	1342976	10.508 ug/ml
7) T n-Hexadecane (C16)	10.074	1388032	10.595 ug/ml
8) T n-Octadecane (C18)	11.521	1424070	10.701 ug/ml
10) T n-Eicosane (C20)	12.833	1412530	10.718 ug/ml
11) T n-Heneicosane (C21)	13.447	1404033	10.717 ug/ml
13) T n-Docosane (C22)	14.034	1386256	10.741 ug/ml
14) T n-Tetracosane (C24)	15.140	1356681	10.682 ug/ml
15) T n-Hexacosane (C26)	16.163	1317896	10.663 ug/ml
16) T n-Octacosane (C28)	17.115	1286391	10.659 ug/ml
17) T n-Tricontane (C30)	18.004	1300063	10.699 ug/ml
18) T n-Dotriacontane (C32)	18.838	1323202	10.750 ug/ml
19) T n-Tetratriacontane (C34)	19.623	1303250	10.643 ug/ml
20) T n-Hexatriacontane (C36)	20.364	1340709	10.519 ug/ml
21) T n-Octatriacontane (C38)	21.093	1378000	10.528 ug/ml
22) T n-Tetracontane (C40)	21.985	1417576	10.651 ug/ml

(f)=RT Delta > 1/2 Window

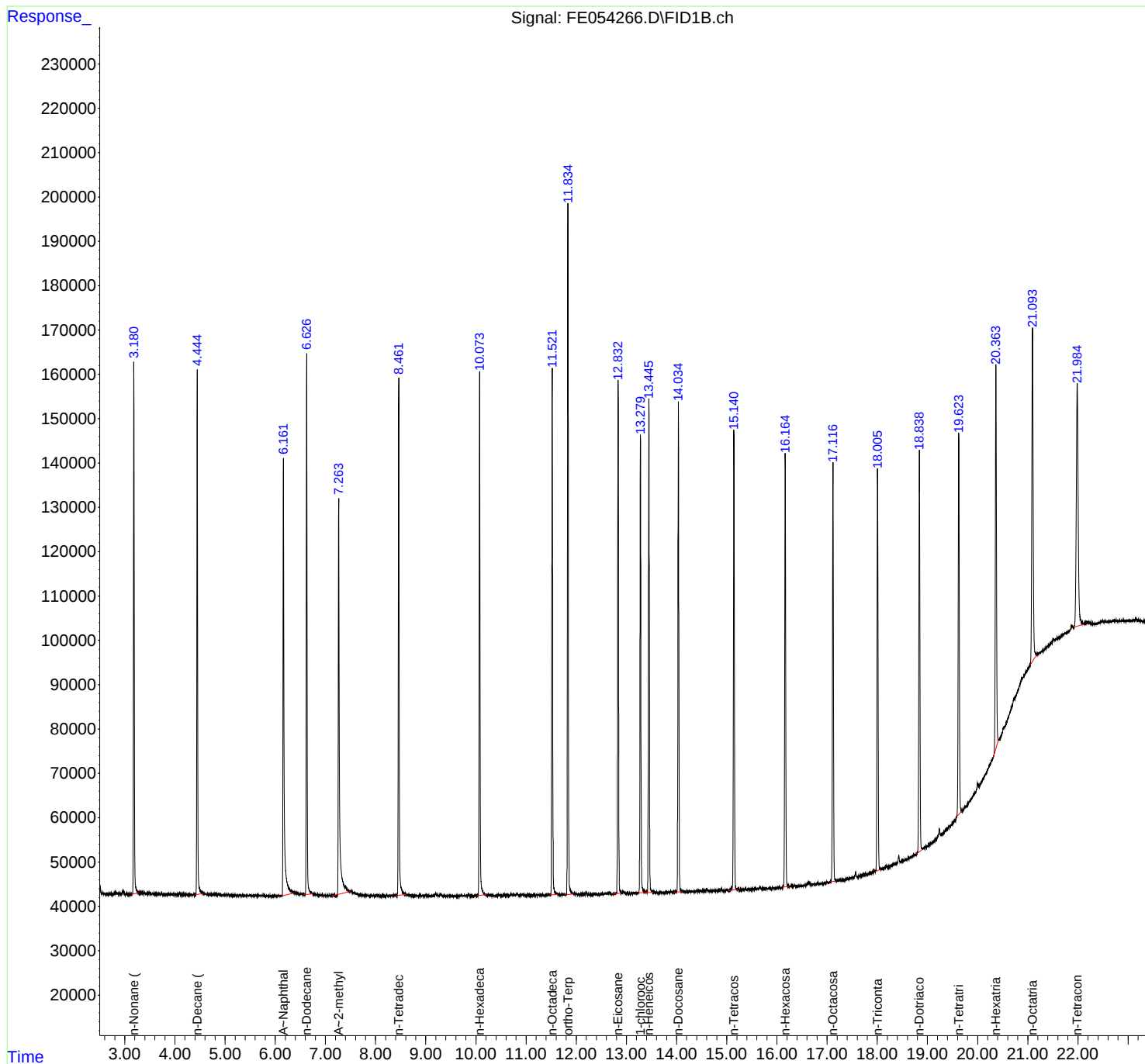
(m)=manual int.

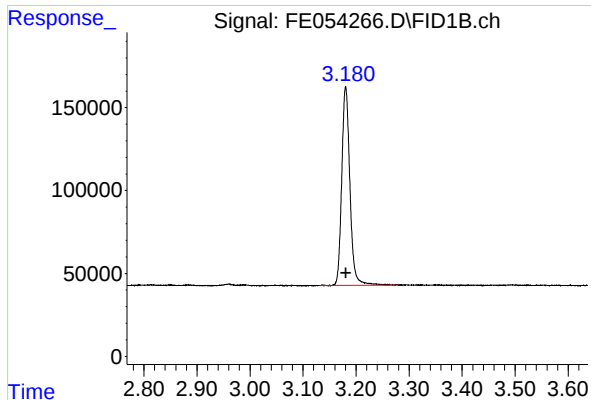
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE061025AL\
Data File : FE054266.D
Signal(s) : FID1B.ch
Acq On : 10 Jun 2025 02:42
Operator : YP\AJ
Sample : 10 PPM ALIPHATIC HC STD4
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4

Integration File: autoint1.e
Quant Time: Jun 10 07:14:26 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 061025.M
Quant Title : GC Extractables
QLast Update : Tue Jun 10 07:11:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

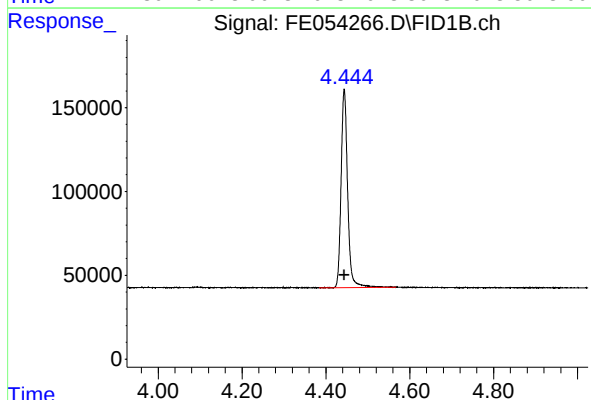




#1 n-Nonane (C9)

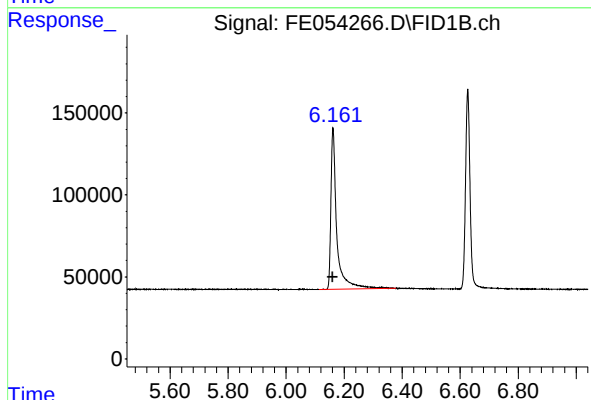
R.T.: 3.181 min
Delta R.T.: 0.000 min
Response: 1277646
Conc: 10.40 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4



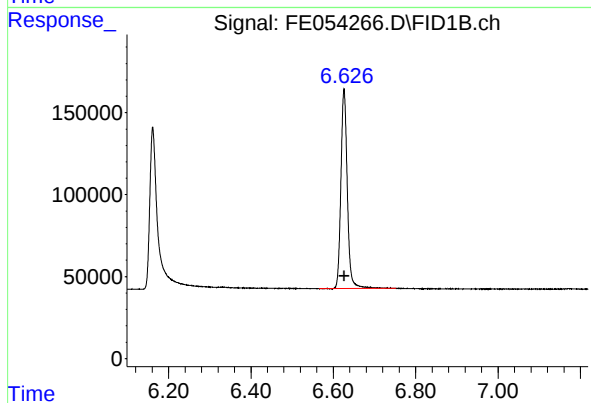
#2 n-Decane (C10)

R.T.: 4.444 min
Delta R.T.: 0.000 min
Response: 1281451
Conc: 10.39 ug/ml



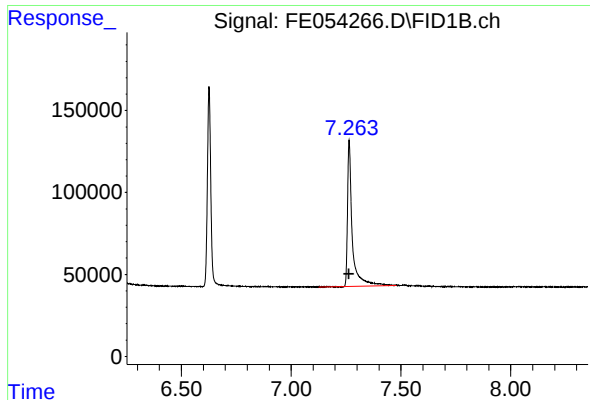
#3 A~Naphthalene (C11.7)

R.T.: 6.162 min
Delta R.T.: 0.002 min
Response: 1392801
Conc: 10.48 ug/ml



#4 n-Dodecane (C12)

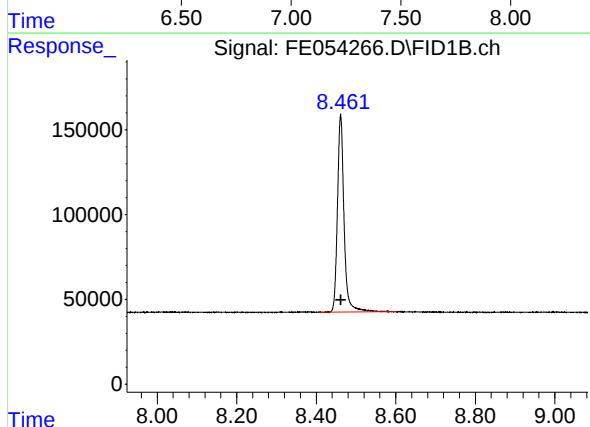
R.T.: 6.626 min
Delta R.T.: 0.000 min
Response: 1317269
Conc: 10.40 ug/ml



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

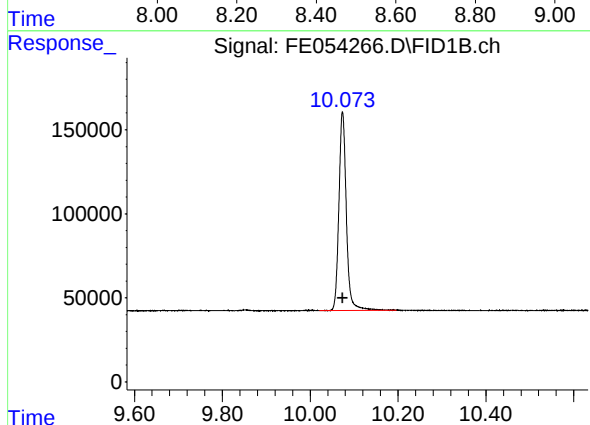
R.T.: 7.264 min
Delta R.T.: 0.002 min
Response: 1342201
Conc: 10.17 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4



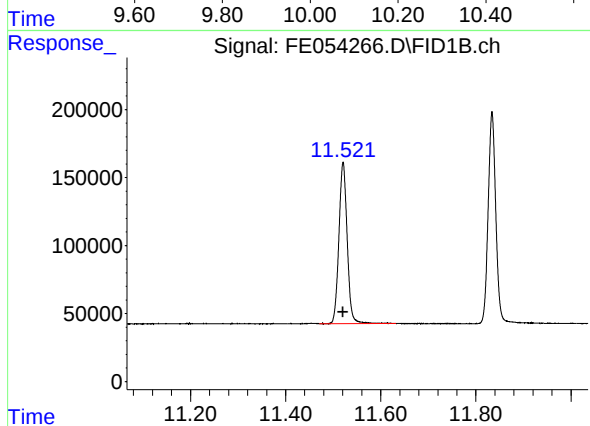
#6 n-Tetradecane (C14)

R.T.: 8.461 min
Delta R.T.: 0.000 min
Response: 1342976
Conc: 10.51 ug/ml



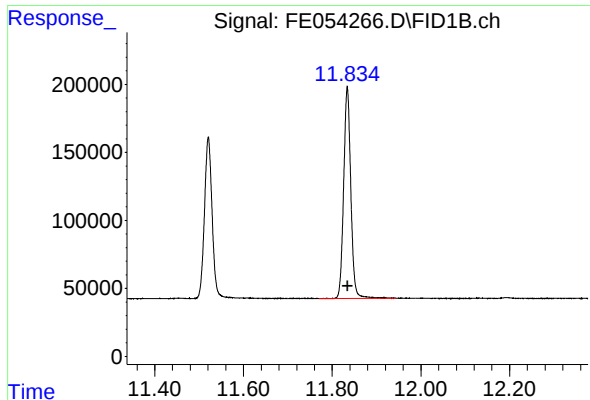
#7 n-Hexadecane (C16)

R.T.: 10.074 min
Delta R.T.: 0.000 min
Response: 1388032
Conc: 10.59 ug/ml



#8 n-Octadecane (C18)

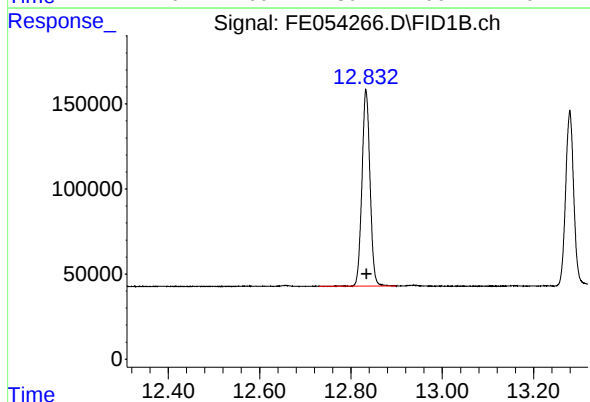
R.T.: 11.521 min
Delta R.T.: 0.000 min
Response: 1424070
Conc: 10.70 ug/ml



#9 ortho-Terphenyl (SURR)

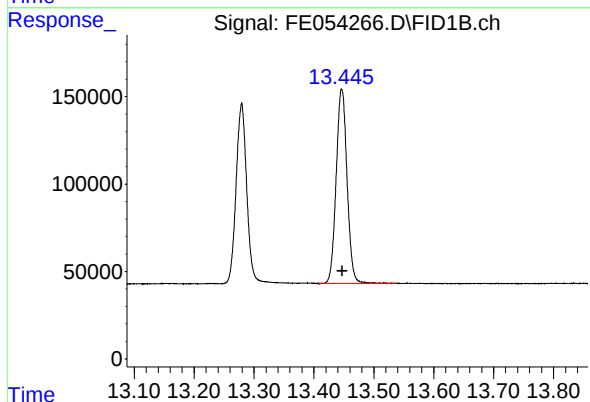
R.T.: 11.834 min
Delta R.T.: 0.000 min
Response: 1736358
Conc: 10.67 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4



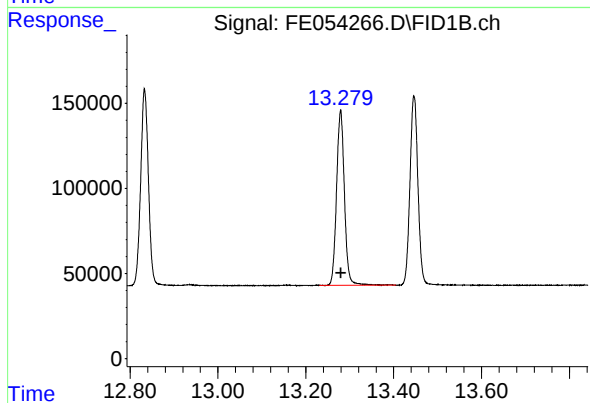
#10 n-Eicosane (C20)

R.T.: 12.833 min
Delta R.T.: -0.001 min
Response: 1412530
Conc: 10.72 ug/ml



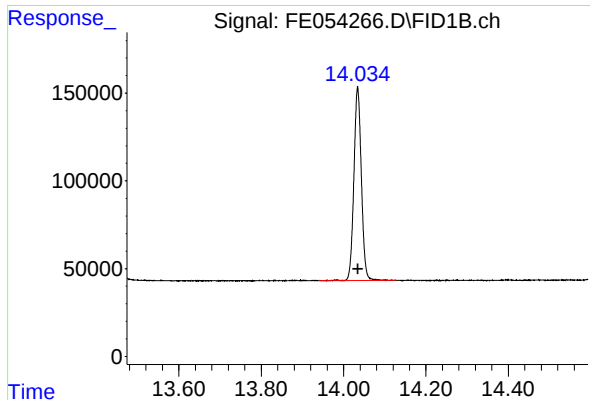
#11 n-Heneicosane (C21)

R.T.: 13.447 min
Delta R.T.: -0.001 min
Response: 1404033
Conc: 10.72 ug/ml



#12 1-chlorooctadecane (SURR)

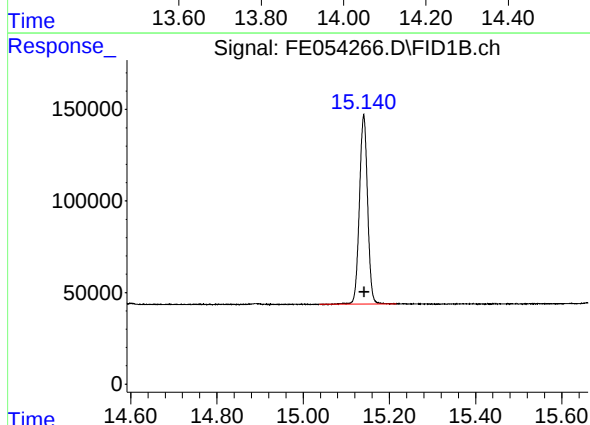
R.T.: 13.279 min
Delta R.T.: 0.000 min
Response: 1282946
Conc: 10.68 ug/ml



#13 n-Docosane (C22)

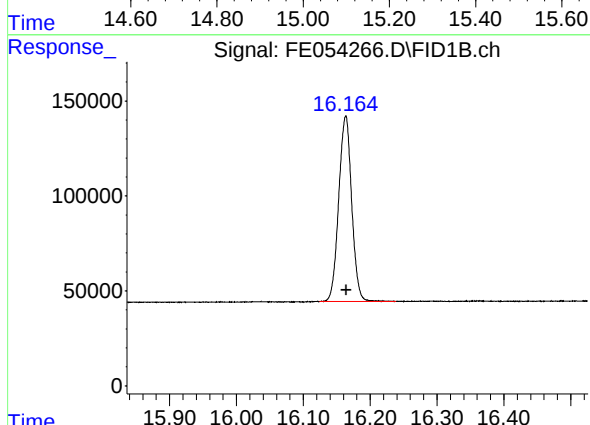
R.T.: 14.034 min
Delta R.T.: -0.001 min
Response: 1386256
Conc: 10.74 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4



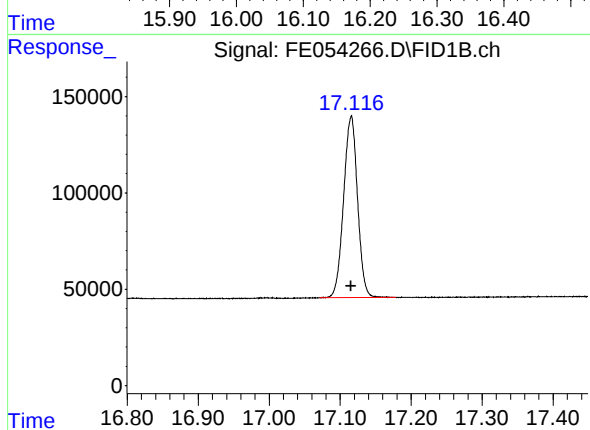
#14 n-Tetracosane (C24)

R.T.: 15.140 min
Delta R.T.: 0.000 min
Response: 1356681
Conc: 10.68 ug/ml



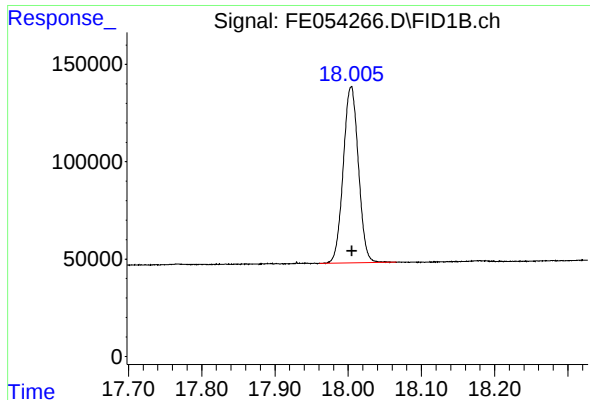
#15 n-Hexacosane (C26)

R.T.: 16.163 min
Delta R.T.: 0.000 min
Response: 1317896
Conc: 10.66 ug/ml



#16 n-Octacosane (C28)

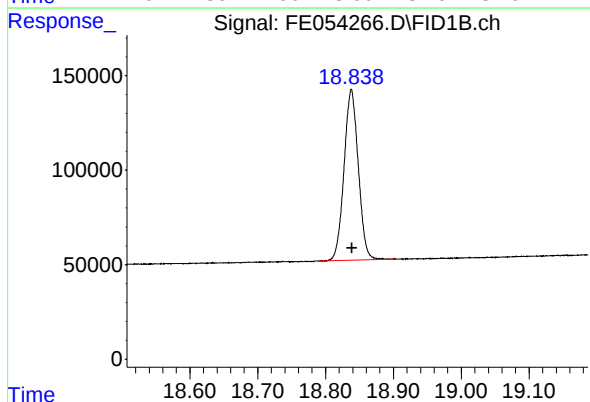
R.T.: 17.115 min
Delta R.T.: 0.000 min
Response: 1286391
Conc: 10.66 ug/ml



#17 n-Tricontane (C30)

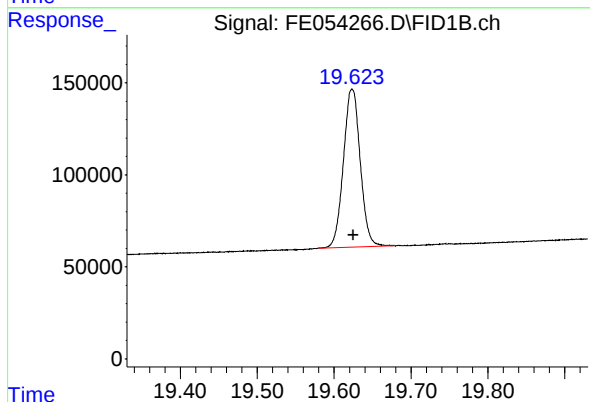
R.T.: 18.004 min
Delta R.T.: -0.001 min
Response: 1300063
Conc: 10.70 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4



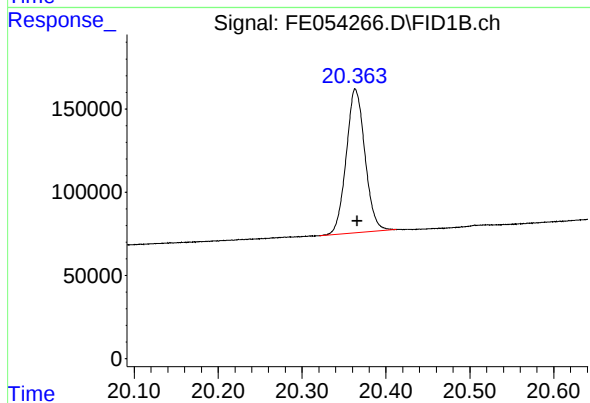
#18 n-Dotriacontane (C32)

R.T.: 18.838 min
Delta R.T.: -0.001 min
Response: 1323202
Conc: 10.75 ug/ml



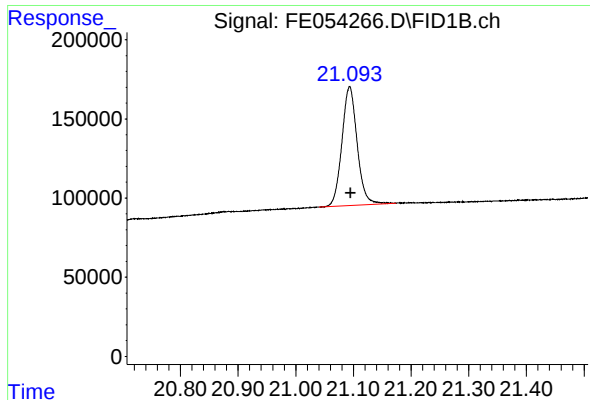
#19 n-Tetatriacontane (C34)

R.T.: 19.623 min
Delta R.T.: -0.002 min
Response: 1303250
Conc: 10.64 ug/ml



#20 n-Hexatriacontane (C36)

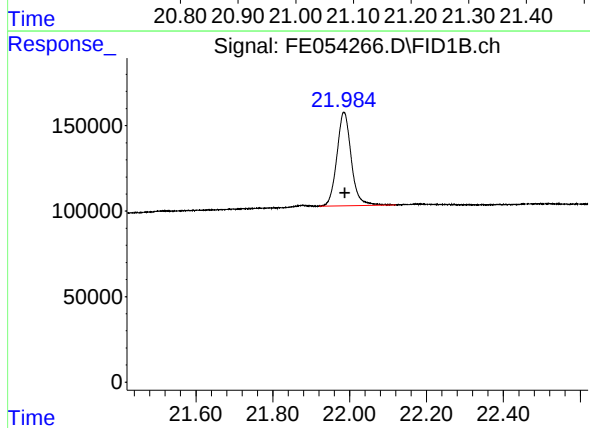
R.T.: 20.364 min
Delta R.T.: -0.002 min
Response: 1340709
Conc: 10.52 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.093 min
Delta R.T.: -0.002 min
Response: 1378000
Conc: 10.53 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4



#22 n-Tetracontane (C40)

R.T.: 21.985 min
Delta R.T.: -0.003 min
Response: 1417576
Conc: 10.65 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE061025AL\
 Data File : FE054266.D
 Signal(s) : FID1B.ch
 Acq On : 10 Jun 2025 02:42
 Sample : 10 PPM ALIPHATIC HC STD4
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 061025.M
 Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.181	3.130	3.275	BB	119790	1277646	73.58%	4.257%
2	4.444	4.384	4.567	BB	118223	1281451	73.80%	4.270%
3	6.162	6.114	6.379	BB	98106	1392801	80.21%	4.641%
4	6.626	6.565	6.752	BB	121663	1317269	75.86%	4.389%
5	7.264	7.127	7.477	BB	89069	1342201	77.30%	4.472%
6	8.461	8.407	8.600	BB	116527	1342976	77.34%	4.475%
7	10.074	10.020	10.195	BB	118090	1388032	79.94%	4.625%
8	11.521	11.470	11.632	BB	118675	1424070	82.01%	4.745%
9	11.834	11.770	11.944	BB	155687	1736358	100.00%	5.785%
10	12.833	12.730	12.899	BB	115031	1412530	81.35%	4.706%
11	13.279	13.230	13.405	BB	102675	1282946	73.89%	4.275%
12	13.447	13.409	13.537	BB	110992	1404033	80.86%	4.678%
13	14.034	13.940	14.127	BB	110188	1386256	79.84%	4.619%
14	15.140	15.037	15.215	BB	103453	1356681	78.13%	4.520%
15	16.163	16.124	16.239	BB	97849	1317896	75.90%	4.391%
16	17.115	17.070	17.179	BB	94040	1286391	74.09%	4.286%
17	18.004	17.960	18.065	BB	90430	1300063	74.87%	4.332%
18	18.838	18.790	18.904	BB	90702	1323202	76.21%	4.409%
19	19.623	19.580	19.680	BV	85897	1303250	75.06%	4.342%
20	20.364	20.320	20.412	BV	86281	1340709	77.21%	4.467%
21	21.093	21.040	21.174	BB	75355	1378000	79.36%	4.591%
22	21.985	21.920	22.120	BB	54651	1417576	81.64%	4.723%
Sum of corrected areas:						30012335		

Aliphatic EPH 061025.M Tue Jun 10 07:37:41 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE061025AL\
 Data File : FE054267.D
 Signal(s) : FID1B.ch
 Acq On : 10 Jun 2025 03:13
 Operator : YP\AJ
 Sample : 5 PPM ALIPHATIC HC STD5
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 5 PPM ALIPHATIC HC STD5

Integration File: autoint1.e
 Quant Time: Jun 10 07:14:55 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 061025.M
 Quant Title : GC Extractables
 QLast Update : Tue Jun 10 07:11:27 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.833	942106	5.787 ug/ml
Spiked Amount 50.000		Recovery =	11.57%
12) S 1-chlorooctadecane (S...	13.278	684226	5.695 ug/ml
Spiked Amount 50.000		Recovery =	11.39%
Target Compounds			
1) T n-Nonane (C9)	3.180	687580	5.598 ug/ml
2) T n-Decane (C10)	4.444	678309	5.502 ug/ml
3) T A~Naphthalene (C11.7)	6.164	699010	5.262 ug/ml
4) T n-Dodecane (C12)	6.626	691574	5.461 ug/ml
5) T A~2-methylnaphthalene...	7.267	674061	5.109 ug/ml
6) T n-Tetradecane (C14)	8.461	720355	5.636 ug/ml
7) T n-Hexadecane (C16)	10.073	745174	5.688 ug/ml
8) T n-Octadecane (C18)	11.520	761584	5.723 ug/ml
10) T n-Eicosane (C20)	12.833	761785	5.780 ug/ml
11) T n-Heneicosane (C21)	13.446	758843	5.792 ug/ml
13) T n-Docosane (C22)	14.033	747506	5.792 ug/ml
14) T n-Tetracosane (C24)	15.139	742804	5.849 ug/ml
15) T n-Hexacosane (C26)	16.163	721330	5.836 ug/ml
16) T n-Octacosane (C28)	17.114	704358	5.837 ug/ml
17) T n-Tricontane (C30)	18.003	715036	5.885 ug/ml
18) T n-Dotriacontane (C32)	18.838	723861	5.881 ug/ml
19) T n-Tetratriacontane (C34)	19.623	711642	5.811 ug/ml
20) T n-Hexatriacontane (C36)	20.364	727714	5.710 ug/ml
21) T n-Octatriacontane (C38)	21.092	744086	5.685 ug/ml
22) T n-Tetracontane (C40)	21.984	764697	5.745 ug/ml

(f)=RT Delta > 1/2 Window

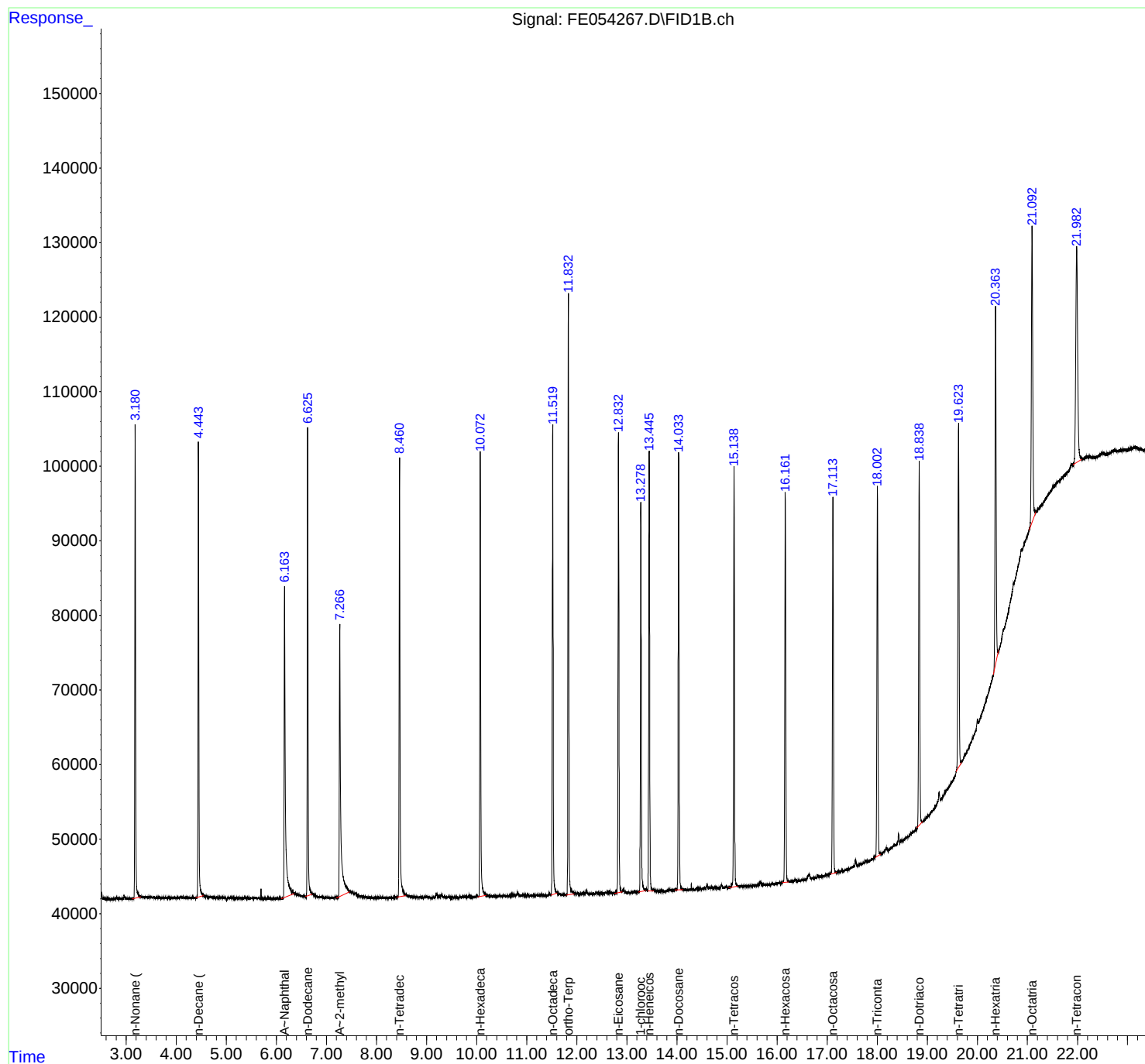
(m)=manual int.

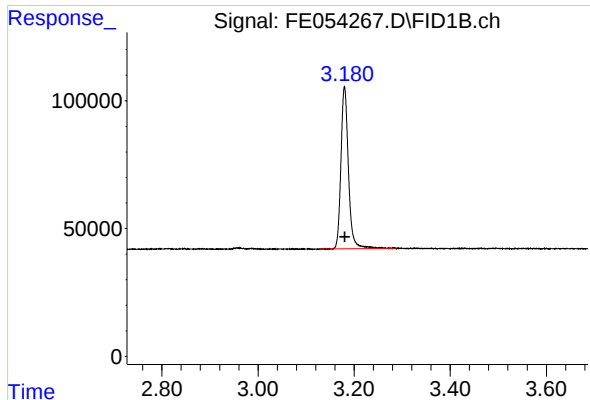
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE061025AL\
Data File : FE054267.D
Signal(s) : FID1B.ch
Acq On : 10 Jun 2025 03:13
Operator : YP\AJ
Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5

Integration File: autoint1.e
Quant Time: Jun 10 07:14:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 061025.M
Quant Title : GC Extractables
QLast Update : Tue Jun 10 07:11:27 2025
Response via : Initial Calibration
Integrator: ChemStation

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

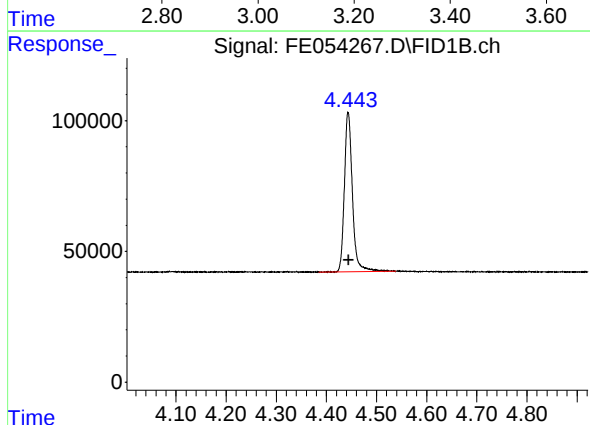




#1 n-Nonane (C9)

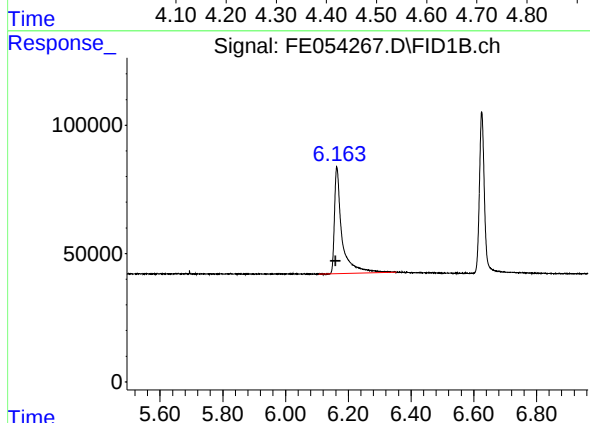
R.T.: 3.180 min
Delta R.T.: 0.000 min
Response: 687580
Conc: 5.60 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5



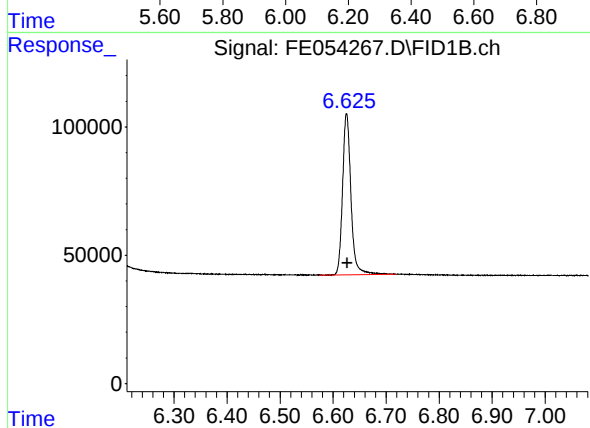
#2 n-Decane (C10)

R.T.: 4.444 min
Delta R.T.: 0.000 min
Response: 678309
Conc: 5.50 ug/ml



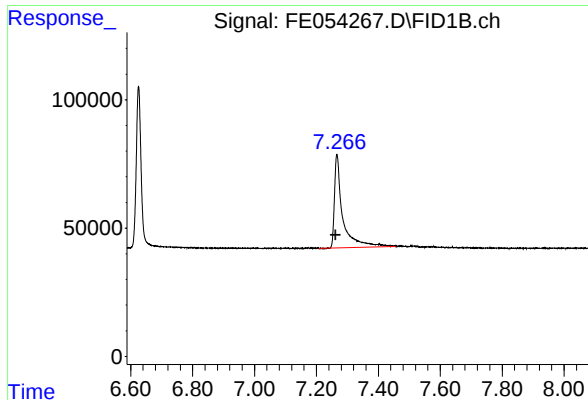
#3 A~Naphthalene (C11.7)

R.T.: 6.164 min
Delta R.T.: 0.004 min
Response: 699010
Conc: 5.26 ug/ml



#4 n-Dodecane (C12)

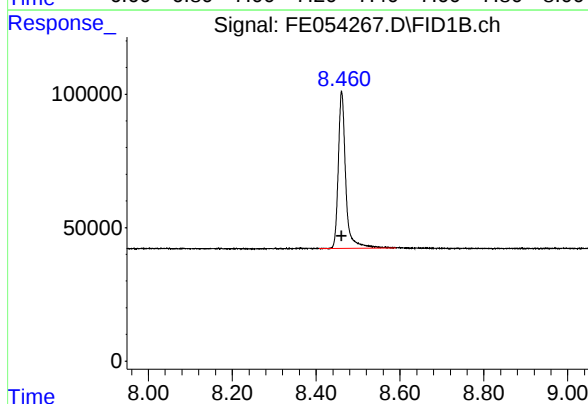
R.T.: 6.626 min
Delta R.T.: 0.000 min
Response: 691574
Conc: 5.46 ug/ml



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

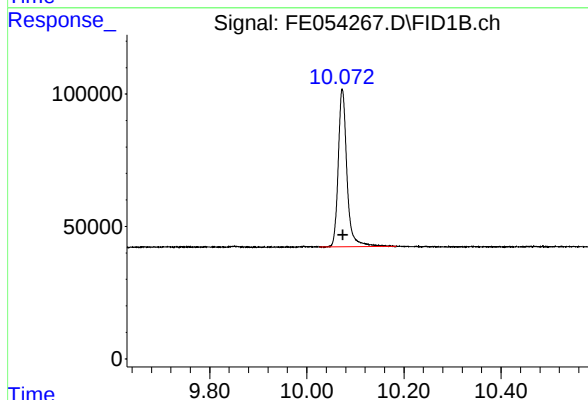
R.T.: 7.267 min
Delta R.T.: 0.004 min
Response: 674061
Conc: 5.11 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5



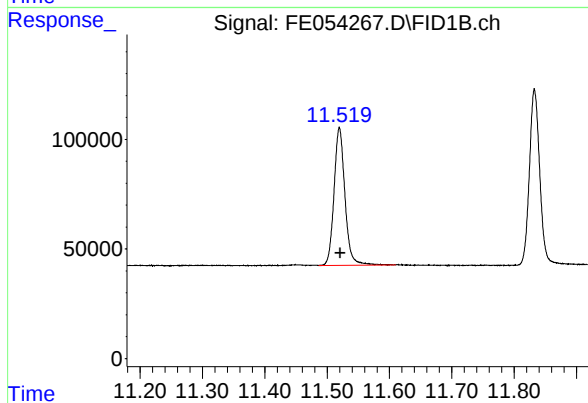
#6 n-Tetradecane (C14)

R.T.: 8.461 min
Delta R.T.: 0.000 min
Response: 720355
Conc: 5.64 ug/ml



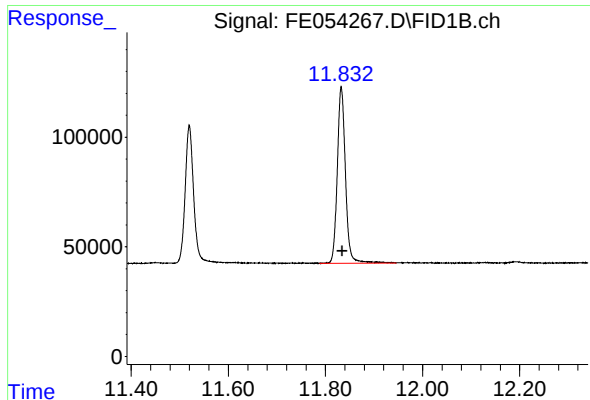
#7 n-Hexadecane (C16)

R.T.: 10.073 min
Delta R.T.: -0.001 min
Response: 745174
Conc: 5.69 ug/ml



#8 n-Octadecane (C18)

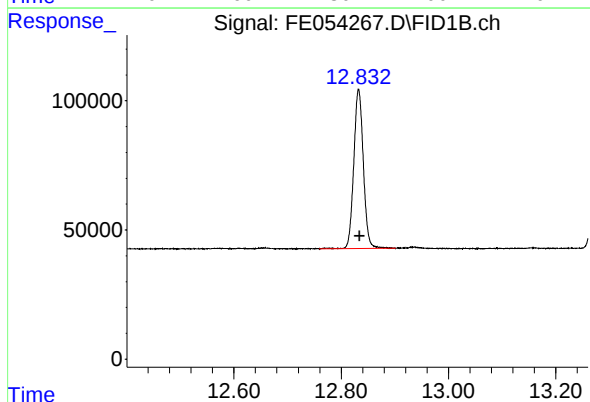
R.T.: 11.520 min
Delta R.T.: -0.001 min
Response: 761584
Conc: 5.72 ug/ml



#9 ortho-Terphenyl (SURR)

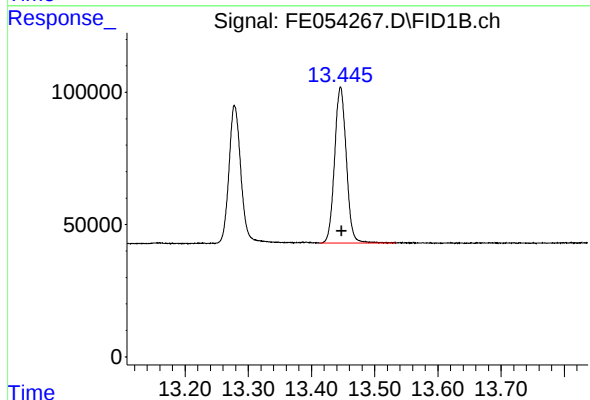
R.T.: 11.833 min
Delta R.T.: -0.002 min
Response: 942106
Conc: 5.79 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5



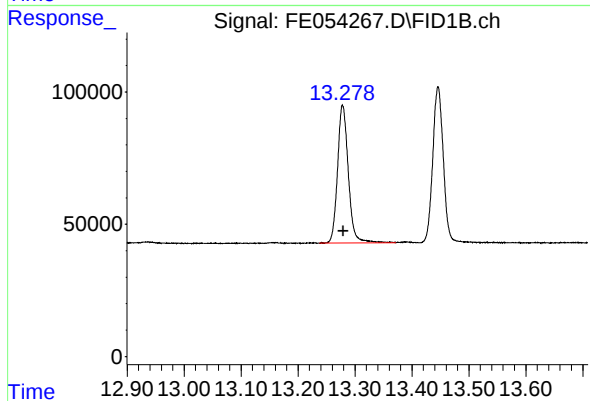
#10 n-Eicosane (C20)

R.T.: 12.833 min
Delta R.T.: -0.002 min
Response: 761785
Conc: 5.78 ug/ml



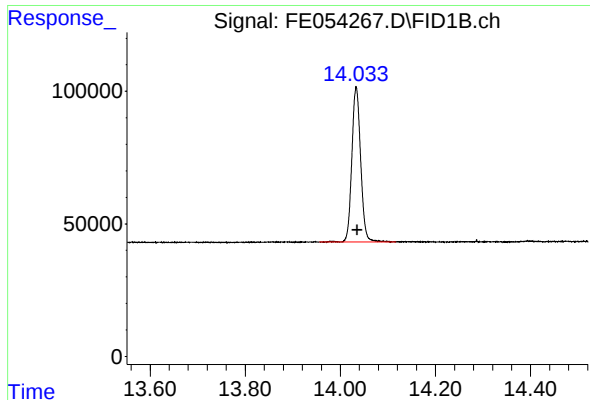
#11 n-Heneicosane (C21)

R.T.: 13.446 min
Delta R.T.: -0.002 min
Response: 758843
Conc: 5.79 ug/ml



#12 1-chlorooctadecane (SURR)

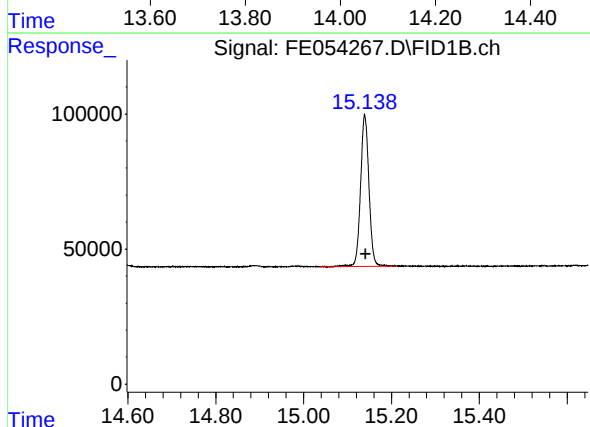
R.T.: 13.278 min
Delta R.T.: -0.001 min
Response: 684226
Conc: 5.70 ug/ml



#13 n-Docosane (C22)

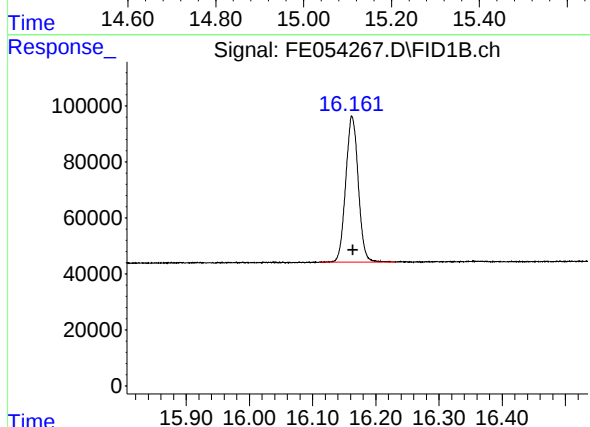
R.T.: 14.033 min
Delta R.T.: -0.002 min
Response: 747506
Conc: 5.79 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5



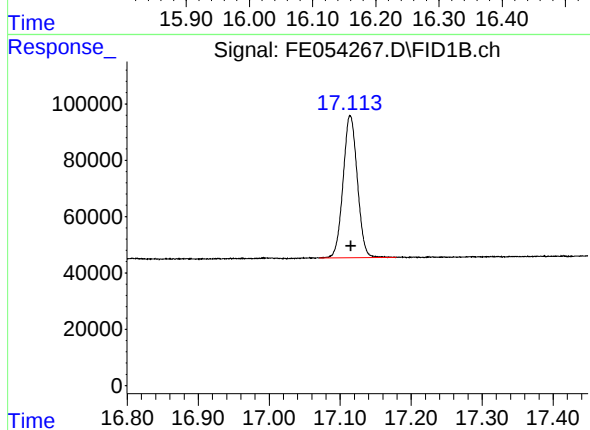
#14 n-Tetracosane (C24)

R.T.: 15.139 min
Delta R.T.: -0.002 min
Response: 742804
Conc: 5.85 ug/ml



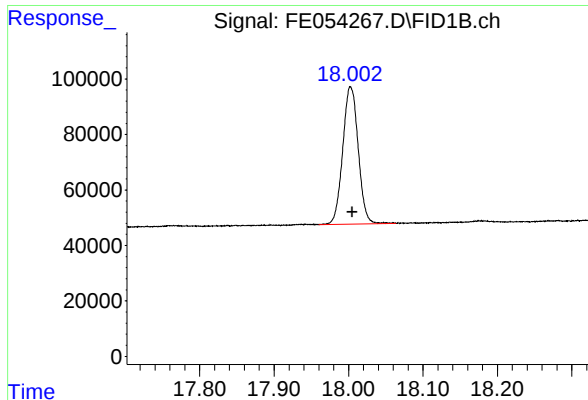
#15 n-Hexacosane (C26)

R.T.: 16.163 min
Delta R.T.: -0.001 min
Response: 721330
Conc: 5.84 ug/ml



#16 n-Octacosane (C28)

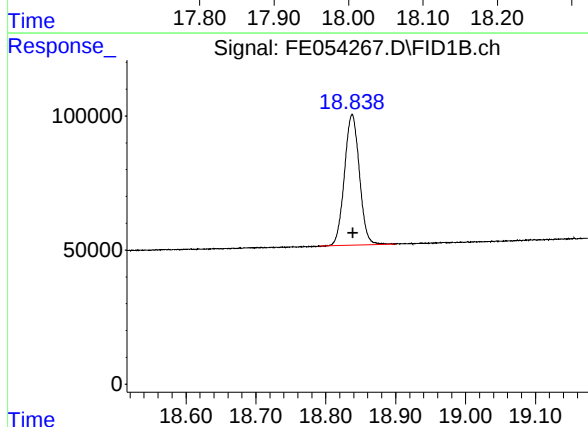
R.T.: 17.114 min
Delta R.T.: 0.000 min
Response: 704358
Conc: 5.84 ug/ml



#17 n-Tricontane (C30)

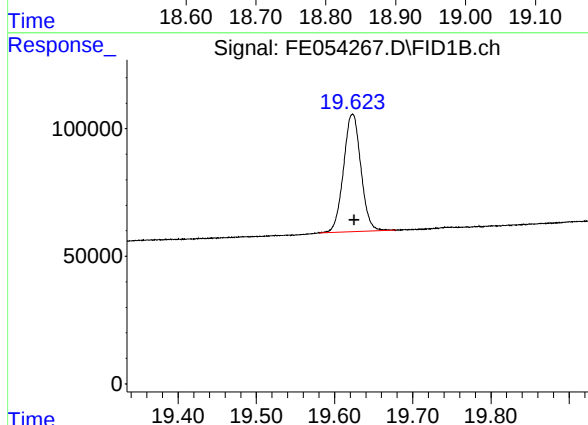
R.T.: 18.003 min
Delta R.T.: -0.002 min
Response: 715036
Conc: 5.88 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5



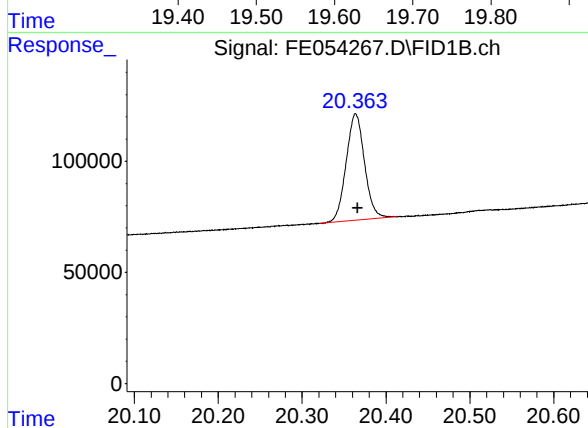
#18 n-Dotriacontane (C32)

R.T.: 18.838 min
Delta R.T.: -0.001 min
Response: 723861
Conc: 5.88 ug/ml



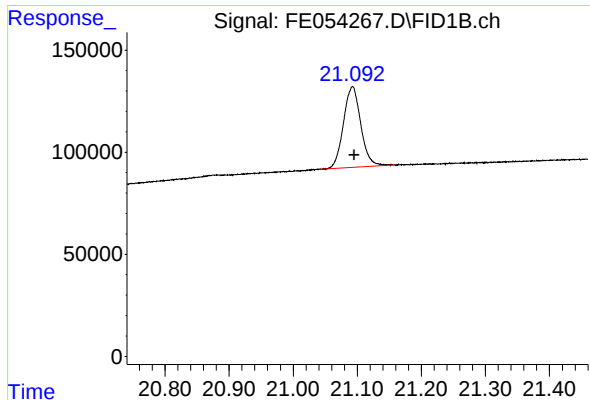
#19 n-Tetratriacontane (C34)

R.T.: 19.623 min
Delta R.T.: -0.002 min
Response: 711642
Conc: 5.81 ug/ml



#20 n-Hexatriacontane (C36)

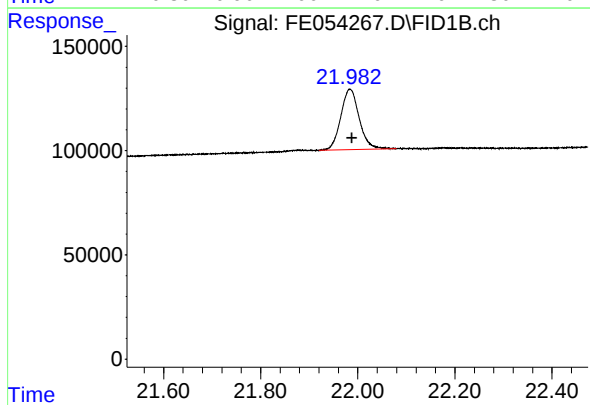
R.T.: 20.364 min
Delta R.T.: -0.002 min
Response: 727714
Conc: 5.71 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.092 min
Delta R.T.: -0.003 min
Response: 744086
Conc: 5.68 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5



#22 n-Tetracontane (C40)

R.T.: 21.984 min
Delta R.T.: -0.004 min
Response: 764697
Conc: 5.75 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE061025AL\
 Data File : FE054267.D
 Signal(s) : FID1B.ch
 Acq On : 10 Jun 2025 03:13
 Sample : 5 PPM ALIPHATIC HC STD5
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 061025.M
 Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.180	3.127	3.287	BB	63421	687580	72.98%	4.269%
2	4.444	4.385	4.539	BB	60806	678309	72.00%	4.211%
3	6.164	6.107	6.352	BB	41531	699010	74.20%	4.340%
4	6.626	6.574	6.719	BB	62859	691574	73.41%	4.293%
5	7.267	7.209	7.457	BB	36320	674061	71.55%	4.185%
6	8.461	8.407	8.590	BB	58869	720355	76.46%	4.472%
7	10.073	10.025	10.184	BB	59284	745174	79.10%	4.626%
8	11.520	11.487	11.610	BB	62882	761584	80.84%	4.728%
9	11.833	11.787	11.945	BB	80389	942106	100.00%	5.849%
10	12.833	12.759	12.902	BB	61644	761785	80.86%	4.729%
11	13.278	13.237	13.372	BV	51865	684226	72.63%	4.248%
12	13.446	13.412	13.534	BB	59026	758843	80.55%	4.711%
13	14.033	13.955	14.117	BB	58561	747506	79.34%	4.641%
14	15.139	15.035	15.210	BB	56085	742804	78.85%	4.612%
15	16.163	16.110	16.232	BB	52239	721330	76.57%	4.478%
16	17.114	17.070	17.179	BB	50474	704358	74.76%	4.373%
17	18.003	17.960	18.064	BB	49292	715036	75.90%	4.439%
18	18.838	18.790	18.900	BB	48714	723861	76.83%	4.494%
19	19.623	19.580	19.679	BV	46192	711642	75.54%	4.418%
20	20.364	20.320	20.412	BV	47949	727714	77.24%	4.518%
21	21.092	21.040	21.160	BV	39651	744086	78.98%	4.619%
22	21.984	21.920	22.079	BB	28915	764697	81.17%	4.747%
Sum of corrected areas:						16107638		

Aliphatic EPH 061025.M Tue Jun 10 07:38:45 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE061025AL\
 Data File : FE054268.D
 Signal(s) : FID1B.ch
 Acq On : 10 Jun 2025 03:42
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD ICV
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD ICV

Integration File: autoint1.e
 Quant Time: Jun 10 07:25:44 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 061025.M
 Quant Title : GC Extractables
 QLast Update : Tue Jun 10 07:24:04 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.834	3218506	19.478 ug/ml
Spiked Amount 50.000		Recovery =	38.96%
12) S 1-chlorooctadecane (S...	13.279	2386510	19.570 ug/ml
Spiked Amount 50.000		Recovery =	39.14%
Target Compounds			
1) T n-Nonane (C9)	3.180	2410126	19.408 ug/ml
2) T n-Decane (C10)	4.444	2421087	19.485 ug/ml
3) T A~Naphthalene (C11.7)	6.160	2608545	19.302 ug/ml
4) T n-Dodecane (C12)	6.626	2484771	19.514 ug/ml
5) T A~2-methylnaphthalene...	7.262	2596606	19.604 ug/ml
6) T n-Tetradecane (C14)	8.461	2511427	19.399 ug/ml
7) T n-Hexadecane (C16)	10.073	2580785	19.428 ug/ml
8) T n-Octadecane (C18)	11.520	2626956	19.454 ug/ml
10) T n-Eicosane (C20)	12.833	2600832	19.442 ug/ml
11) T n-Heneicosane (C21)	13.447	2587825	19.462 ug/ml
13) T n-Docosane (C22)	14.035	2559672	19.521 ug/ml
14) T n-Tetracosane (C24)	15.140	2516058	19.505 ug/ml
15) T n-Hexacosane (C26)	16.163	2460945	19.605 ug/ml
16) T n-Octacosane (C28)	17.115	2404688	19.609 ug/ml
17) T n-Tricontane (C30)	18.004	2422810	19.548 ug/ml
18) T n-Dotriacontane (C32)	18.838	2460252	19.581 ug/ml
19) T n-Tetratriacontane (C34)	19.623	2435340	19.576 ug/ml
20) T n-Hexatriacontane (C36)	20.364	2510341	19.501 ug/ml
21) T n-Octatriacontane (C38)	21.093	2551435	19.323 ug/ml
22) T n-Tetracontane (C40)	21.985	2611901	19.390 ug/ml

(f)=RT Delta > 1/2 Window

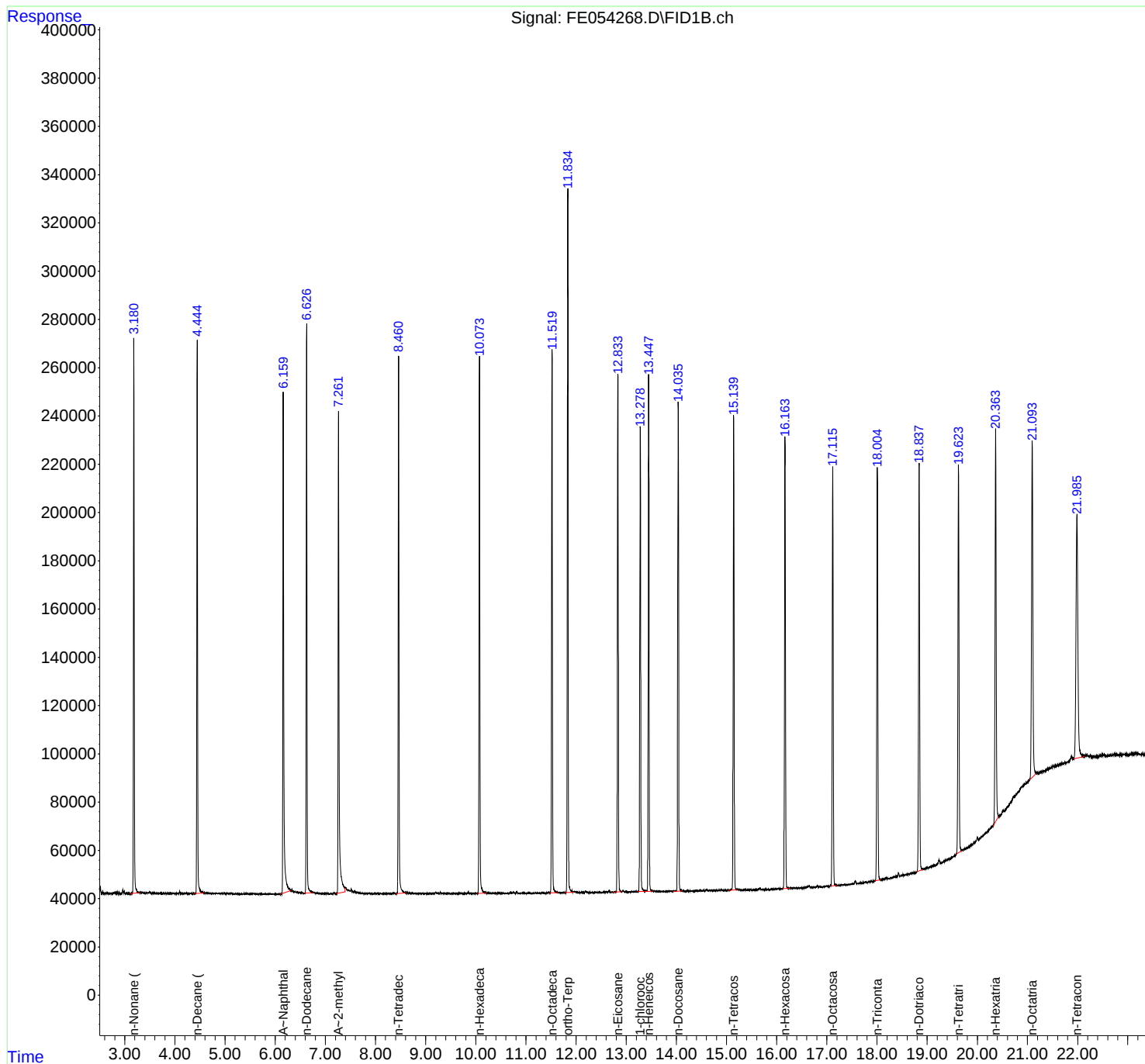
(m)=manual int.

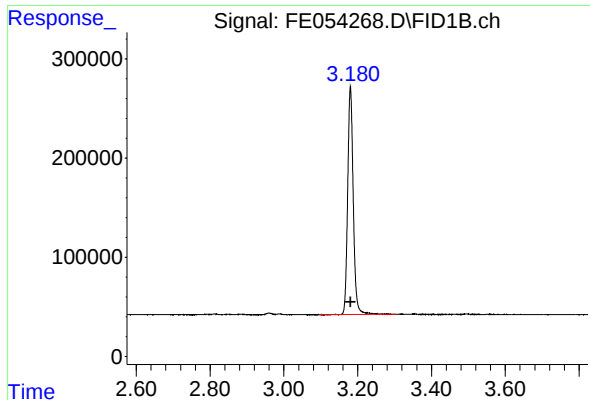
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE061025AL\
Data File : FE054268.D
Signal(s) : FID1B.ch
Acq On : 10 Jun 2025 03:42
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD ICV
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV

Integration File: autoint1.e
Quant Time: Jun 10 07:25:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 061025.M
Quant Title : GC Extractables
QLast Update : Tue Jun 10 07:24:04 2025
Response via : Initial Calibration
Integrator: ChemStation

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





#1 n-Nonane (C9)

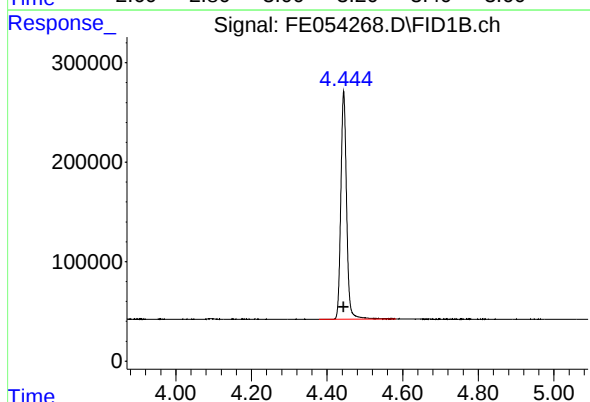
R.T.: 3.180 min
Delta R.T.: 0.000 min
Response: 2410126
Conc: 19.41 ug/ml

Instrument :

FID_E

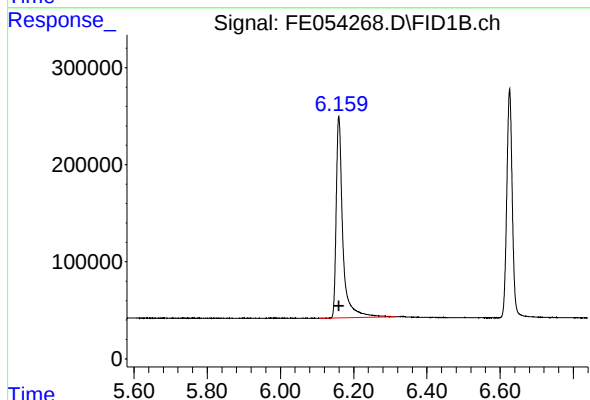
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



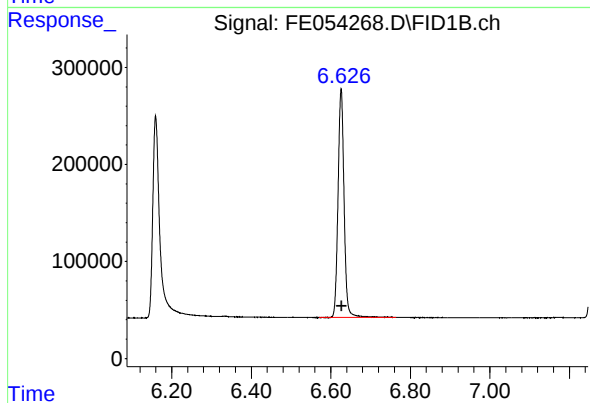
#2 n-Decane (C10)

R.T.: 4.444 min
Delta R.T.: 0.000 min
Response: 2421087
Conc: 19.49 ug/ml



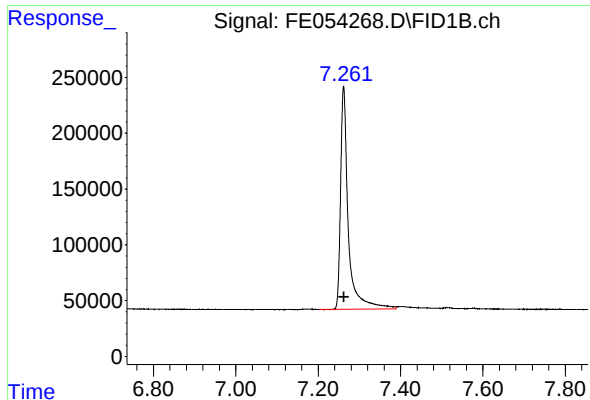
#3 A~Naphthalene (C11.7)

R.T.: 6.160 min
Delta R.T.: 0.000 min
Response: 2608545
Conc: 19.30 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.626 min
Delta R.T.: 0.000 min
Response: 2484771
Conc: 19.51 ug/ml



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

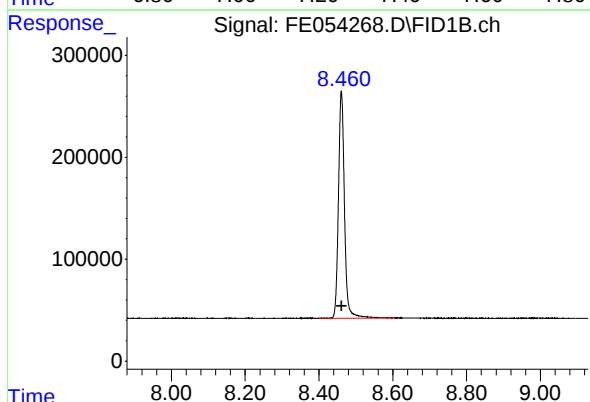
R.T.: 7.262 min
Delta R.T.: 0.000 min
Response: 2596606
Conc: 19.60 ug/ml

Instrument :

FID_E

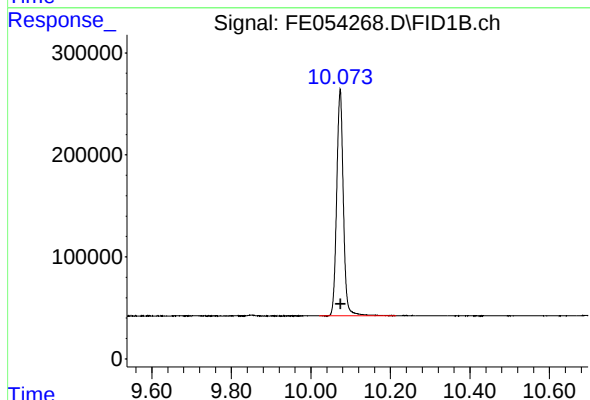
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



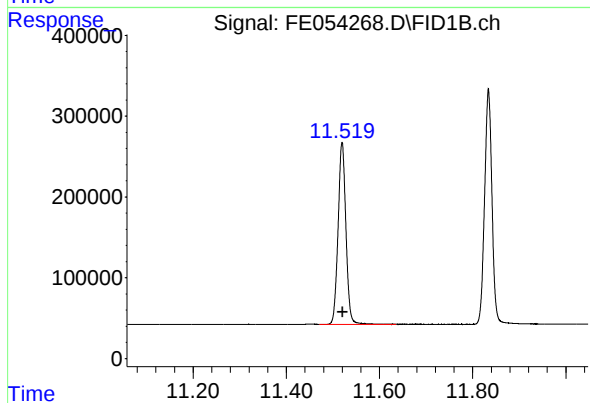
#6 n-Tetradecane (C14)

R.T.: 8.461 min
Delta R.T.: 0.000 min
Response: 2511427
Conc: 19.40 ug/ml



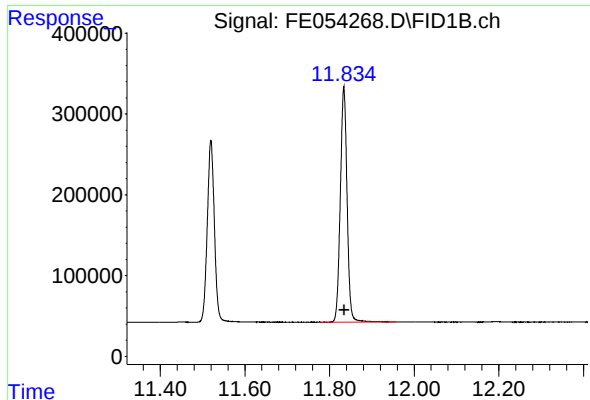
#7 n-Hexadecane (C16)

R.T.: 10.073 min
Delta R.T.: -0.001 min
Response: 2580785
Conc: 19.43 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.520 min
Delta R.T.: -0.001 min
Response: 2626956
Conc: 19.45 ug/ml



#9 ortho-Terphenyl (SURR)

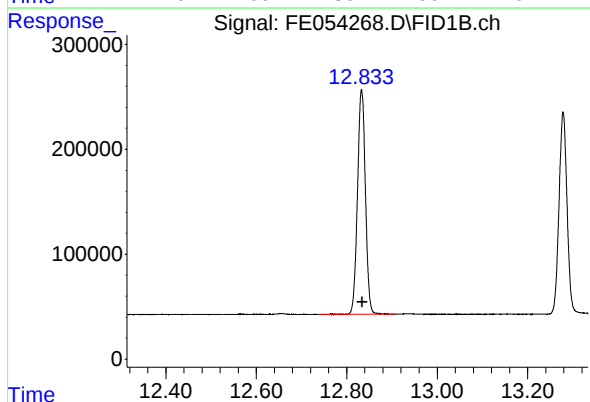
R.T.: 11.834 min
Delta R.T.: -0.001 min
Response: 3218506
Conc: 19.48 ug/ml

Instrument :

FID_E

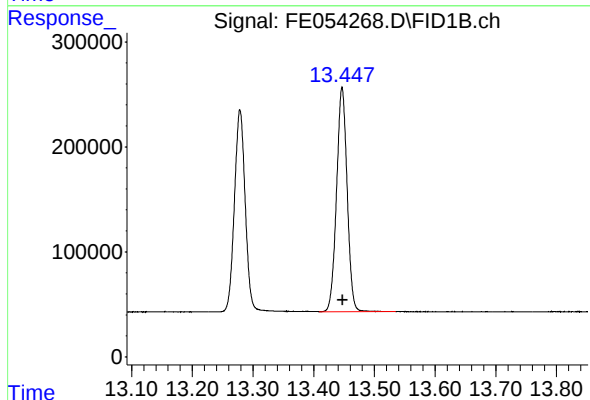
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



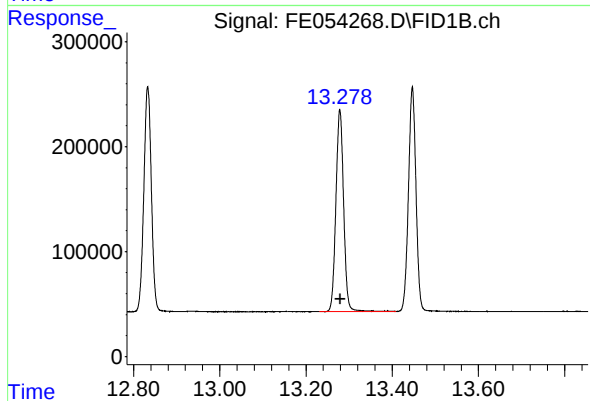
#10 n-Eicosane (C20)

R.T.: 12.833 min
Delta R.T.: -0.002 min
Response: 2600832
Conc: 19.44 ug/ml



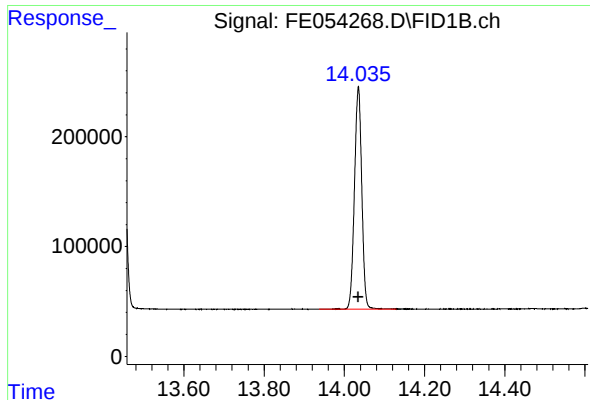
#11 n-Heneicosane (C21)

R.T.: 13.447 min
Delta R.T.: 0.000 min
Response: 2587825
Conc: 19.46 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.279 min
Delta R.T.: 0.000 min
Response: 2386510
Conc: 19.57 ug/ml



#13 n-Docosane (C22)

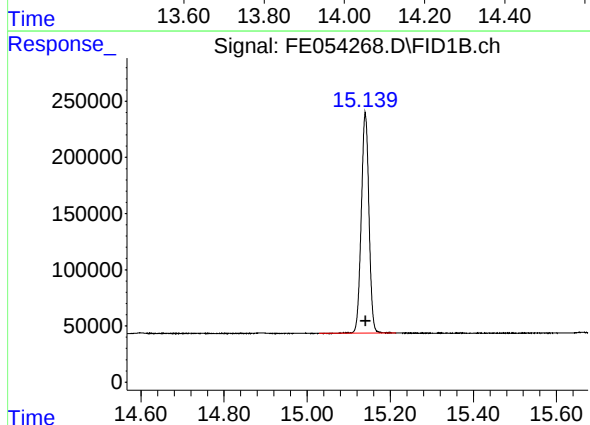
R.T.: 14.035 min
Delta R.T.: 0.000 min
Response: 2559672
Conc: 19.52 ug/ml

Instrument :

FID_E

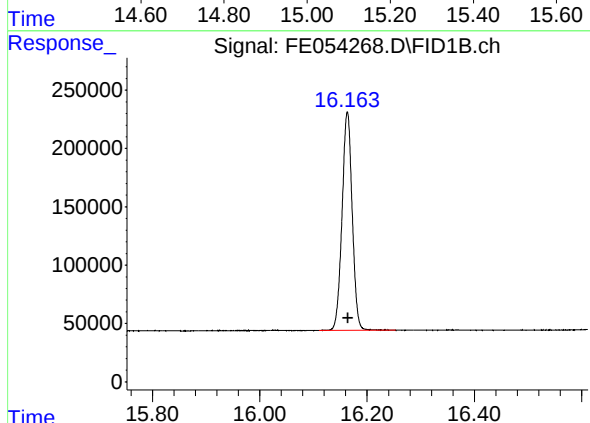
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



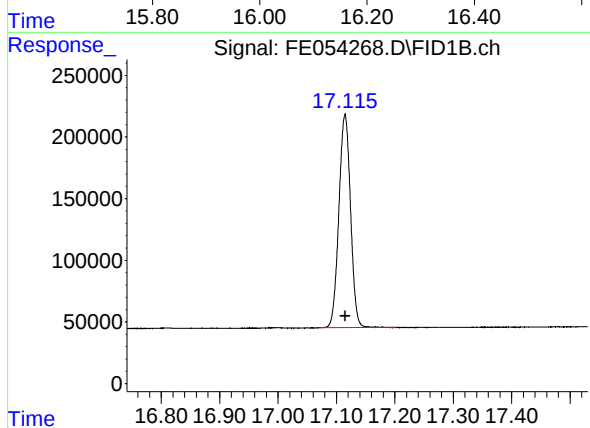
#14 n-Tetracosane (C24)

R.T.: 15.140 min
Delta R.T.: -0.001 min
Response: 2516058
Conc: 19.51 ug/ml



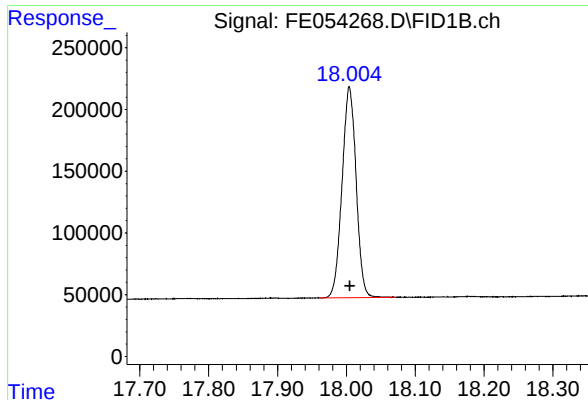
#15 n-Hexacosane (C26)

R.T.: 16.163 min
Delta R.T.: 0.000 min
Response: 2460945
Conc: 19.60 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.115 min
Delta R.T.: 0.000 min
Response: 2404688
Conc: 19.61 ug/ml



#17 n-Tricontane (C30)

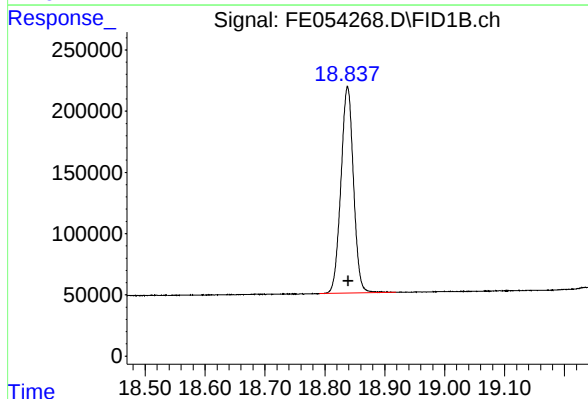
R.T.: 18.004 min
Delta R.T.: 0.000 min
Response: 2422810
Conc: 19.55 ug/ml

Instrument :

FID_E

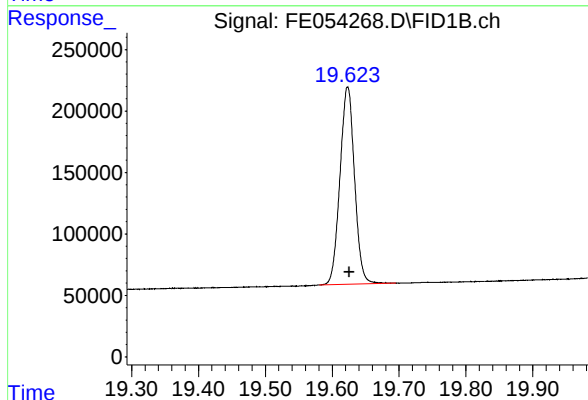
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



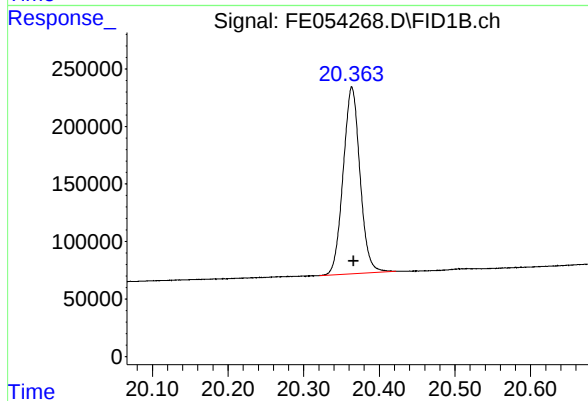
#18 n-Dotriacontane (C32)

R.T.: 18.838 min
Delta R.T.: -0.001 min
Response: 2460252
Conc: 19.58 ug/ml



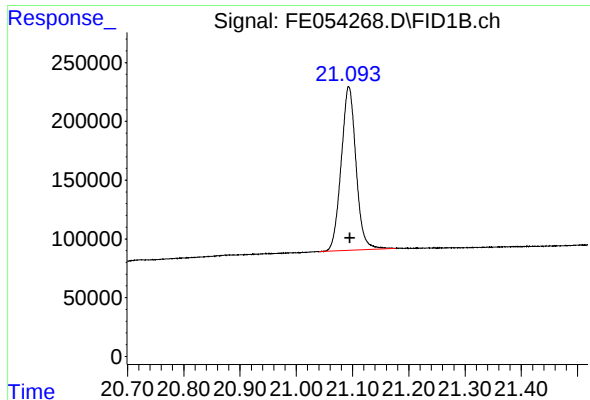
#19 n-Tetatriacontane (C34)

R.T.: 19.623 min
Delta R.T.: -0.002 min
Response: 2435340
Conc: 19.58 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.364 min
Delta R.T.: -0.002 min
Response: 2510341
Conc: 19.50 ug/ml



#21 n-Octatriacontane (C38)

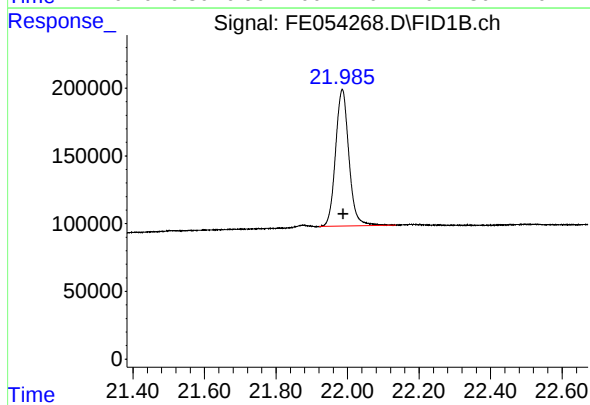
R.T.: 21.093 min
Delta R.T.: -0.002 min
Response: 2551435
Conc: 19.32 ug/ml

Instrument :

FID_E

ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



#22 n-Tetracontane (C40)

R.T.: 21.985 min
Delta R.T.: -0.003 min
Response: 2611901
Conc: 19.39 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE061025AL\
Data File : FE054268.D
Signal(s) : FID1B.ch
Acq On : 10 Jun 2025 03:42
Sample : 20 PPM ALIPHATIC HC STD ICV
Misc :
ALS Vial : 31 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 061025.M
Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.180	3.095	3.304	BB	229758	2410126	74.88%	4.306%
2	4.444	4.379	4.582	BB	228806	2421087	75.22%	4.326%
3	6.160	6.105	6.315	BV	206385	2608545	81.05%	4.661%
4	6.626	6.570	6.764	BB	235140	2484771	77.20%	4.440%
5	7.262	7.202	7.389	BV	199394	2596606	80.68%	4.639%
6	8.461	8.400	8.609	BB	222641	2511427	78.03%	4.487%
7	10.073	10.020	10.214	BB	222877	2580785	80.19%	4.611%
8	11.520	11.470	11.635	BB	225868	2626956	81.62%	4.694%
9	11.834	11.775	11.957	BB	291138	3218506	100.00%	5.751%
10	12.833	12.739	12.909	BV	213556	2600832	80.81%	4.647%
11	13.279	13.230	13.409	BV	192394	2386510	74.15%	4.264%
12	13.447	13.409	13.535	PB	213946	2587825	80.40%	4.624%
13	14.035	13.937	14.129	BB	202952	2559672	79.53%	4.574%
14	15.140	15.029	15.214	BB	195689	2516058	78.17%	4.496%
15	16.163	16.110	16.254	BB	187123	2460945	76.46%	4.397%
16	17.115	17.070	17.202	BB	173775	2404688	74.71%	4.297%
17	18.004	17.960	18.072	BB	170965	2422810	75.28%	4.329%
18	18.838	18.790	18.919	BB	168645	2460252	76.44%	4.396%
19	19.623	19.580	19.695	BV	160602	2435340	75.67%	4.351%
20	20.364	20.320	20.422	BV	162502	2510341	78.00%	4.485%
21	21.093	21.040	21.177	BB	139138	2551435	79.27%	4.559%
22	21.985	21.920	22.135	BV	101013	2611901	81.15%	4.667%
Sum of corrected areas:							55967416	

Aliphatic EPH 061025.M Tue Jun 10 07:39:12 2025