

Initial Calibration Report for SequenceID : FE072625AL

AreaCount

Parameter Range	FE055032.D	FE055033.D	FE055034.D	FE055035.D	FE055036.D	
Aliphatic C9-C12	35383724.000	17292498.000	7183362.000	3893177.000	2057304.000	
Aliphatic C12-C16	25104216.000	12244432.000	5126852.000	2800386.000	1484186.000	
Aliphatic C16-C21	37427151.000	18155075.000	7597595.000	4132275.000	2182732.000	
Aliphatic C21-C28	47172348.000	22938071.000	9627325.000	5248797.000	2791927.000	
Aliphatic C28-C40	65510063.000	32371301.000	13875816.000	7658874.000	4262296.000	
Aliphatic EPH	210597502.000	103001377.000	43410950.000	23733509.000	12778445.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aliphatic C9-C12	123975.5866664	7.407				
Aliphatic C12-C16	132914.92	8.221				
Aliphatic C16-C21	131135.1106664	7.753				
Aliphatic C21-C28	124755.8125	8.305				
Aliphatic C28-C40	120488.8016664	11.934				
Aliphatic EPH	125173.2217774	9.197				

Concentration

Parameter Range	FE055032.D	FE055033.D	FE055034.D	FE055035.D	FE055036.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	FE055032.D	FE055033.D	FE055034.D	FE055035.D	FE055036.D	
Aliphatic C9-C12	117945.746666	115283.320000	119722.700000	129772.566666	137153.600000	
Aliphatic C12-C16	125521.080000	122444.320000	128171.300000	140019.300000	148418.600000	
Aliphatic C16-C21	124757.170000	121033.833333	126626.583333	137742.500000	145515.466666	

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Aliphatic C21-C28	117930.870000	114690.355000	120341.562500	131219.925000	139596.350000	
Aliphatic C28-C40	109183.438333	107904.336666	115631.800000	127647.900000	142076.533333	
Aliphatic EPH	116998.612222	114445.974444	120585.972222	131852.827777	141982.722222	

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE072625AL\
 Data File : FE055032.D
 Signal(s) : FID1B.ch
 Acq On : 25 Jul 2025 20:19
 Operator : YP\AJ
 Sample : 100 PPM ALIPHATIC HC STD1
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 100 PPM ALIPHATIC HC STD1

Integration File: autoint1.e
 Quant Time: Jul 26 03:48:06 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 072625.M
 Quant Title : GC Extractables
 QLast Update : Sat Jul 26 03:46:03 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)	12.097	14135752	98.714 ug/ml
Spiked Amount 50.000		Recovery =	197.43%
12) S 1-chlorooctadecane (S...	13.530	10740467	99.149 ug/ml
Spiked Amount 50.000		Recovery =	198.30%
Target Compounds			
1) T n-Nonane (C9)	3.428	11510228	98.379 ug/ml
2) T n-Decane (C10)	4.687	11769921	98.454 ug/ml
3) T A~Naphthalene (C11.7)	6.408	13577276	98.341 ug/ml
4) T n-Dodecane (C12)	6.864	12103575	98.706 ug/ml
5) T A~2-methylnaphthalene...	7.511	13293703	99.239 ug/ml
6) T n-Tetradecane (C14)	8.702	12295593	97.420 ug/ml
7) T n-Hexadecane (C16)	10.317	12808623	98.429 ug/ml
8) T n-Octadecane (C18)	11.768	12935722	98.390 ug/ml
10) T n-Eicosane (C20)	13.082	12366561	98.482 ug/ml
11) T n-Heneicosane (C21)	13.697	12124868	98.710 ug/ml
13) T n-Docosane (C22)	14.285	12016103	98.598 ug/ml
14) T n-Tetracosane (C24)	15.392	11905699	98.360 ug/ml
15) T n-Hexacosane (C26)	16.416	11717679	98.180 ug/ml
16) T n-Octacosane (C28)	17.367	11532867	96.828 ug/ml
17) T n-Tricontane (C30)	18.257	11778084	94.097 ug/ml
18) T n-Dotriacontane (C32)	19.093	11564377	92.645 ug/ml
19) T n-Tetratriacontane (C34)	19.878	11138630	93.797 ug/ml
20) T n-Hexatriacontane (C36)	20.619	10487790	94.555 ug/ml
21) T n-Octatriacontane (C38)	21.404	10292102	96.300 ug/ml
22) T n-Tetracontane (C40)	22.400	10249080	95.561 ug/ml

(f)=RT Delta > 1/2 Window

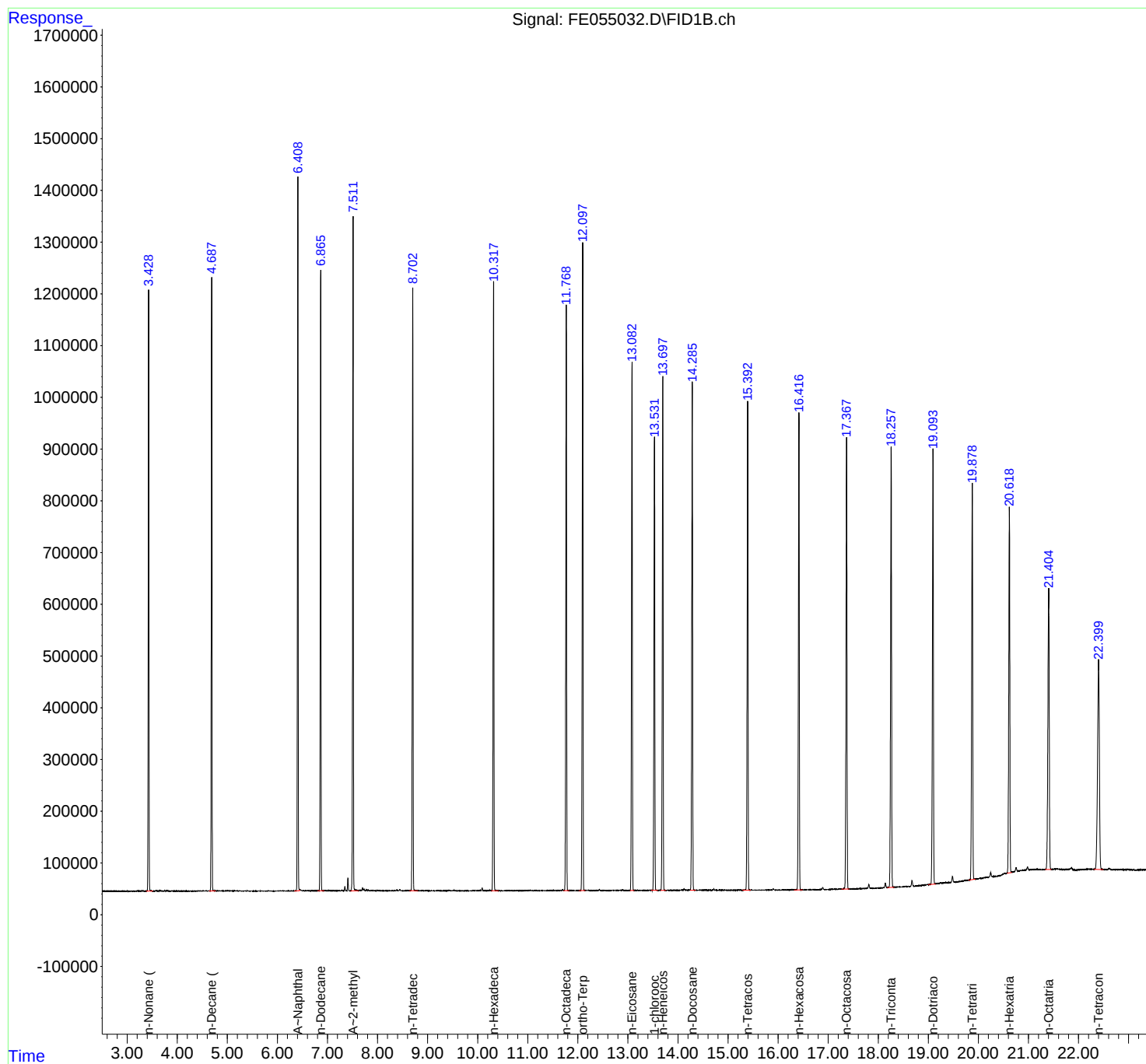
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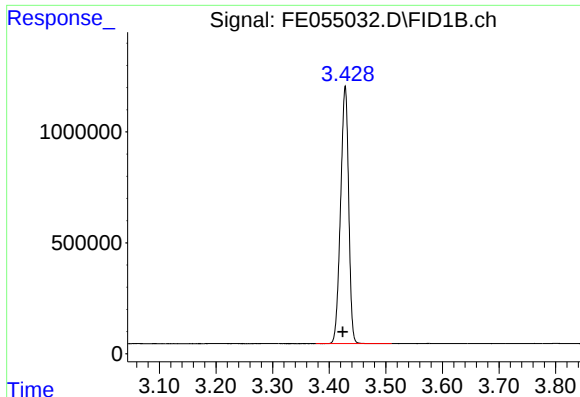
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Data File : FE055032.D
Signal(s) : FID1B.ch
Acq On : 25 Jul 2025 20:19
Operator : YP\AJ
Sample : 100 PPM ALIPHATIC HC STD1
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1

Integration File: autoint1.e
Quant Time: Jul 26 03:48:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 072625.M
Quant Title : GC Extractables
QLast Update : Sat Jul 26 03:46:03 2025
Response via : Initial Calibration
Integrator: ChemStation

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

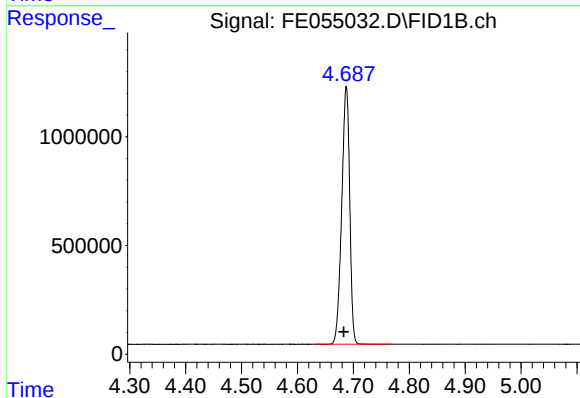




#1 n-Nonane (C9)

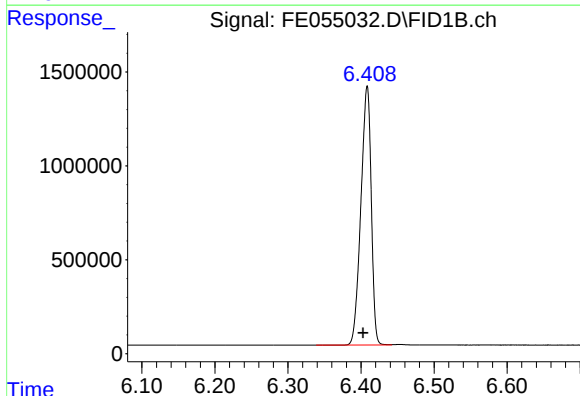
R.T.: 3.428 min
Delta R.T.: 0.004 min
Response: 11510228
Conc: 98.38 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



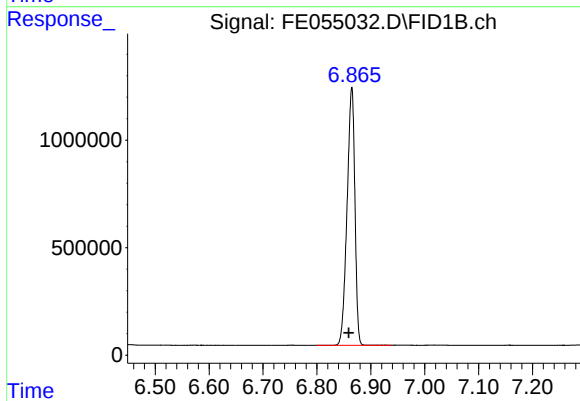
#2 n-Decane (C10)

R.T.: 4.687 min
Delta R.T.: 0.004 min
Response: 11769921
Conc: 98.45 ug/ml



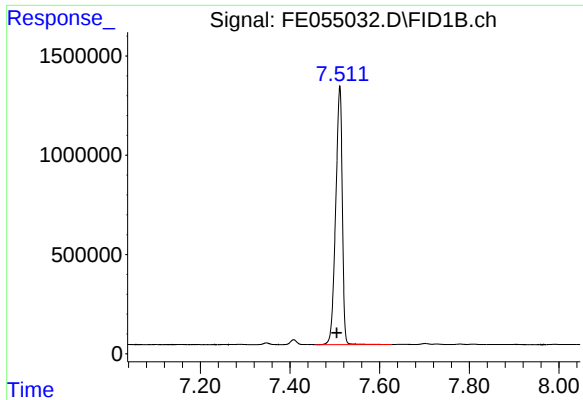
#3 A~Naphthalene (C11.7)

R.T.: 6.408 min
Delta R.T.: 0.005 min
Response: 13577276
Conc: 98.34 ug/ml



#4 n-Dodecane (C12)

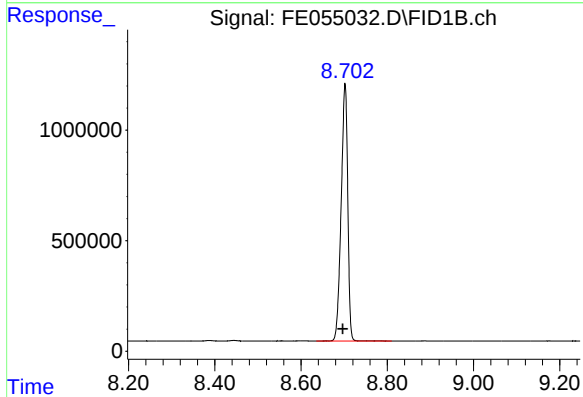
R.T.: 6.864 min
Delta R.T.: 0.005 min
Response: 12103575
Conc: 98.71 ug/ml



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

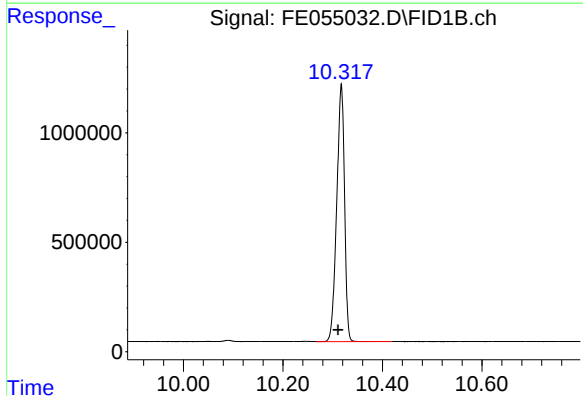
R.T.: 7.511 min
Delta R.T.: 0.007 min
Response: 13293703
Conc: 99.24 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



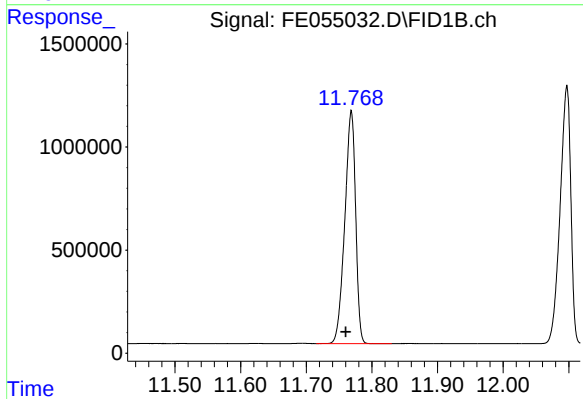
#6 n-Tetradecane (C14)

R.T.: 8.702 min
Delta R.T.: 0.005 min
Response: 12295593
Conc: 97.42 ug/ml



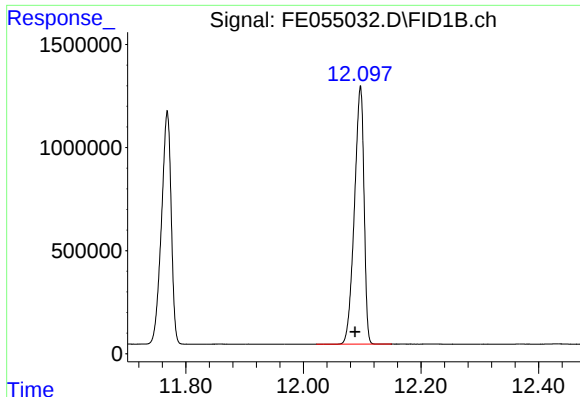
#7 n-Hexadecane (C16)

R.T.: 10.317 min
Delta R.T.: 0.006 min
Response: 12808623
Conc: 98.43 ug/ml



#8 n-Octadecane (C18)

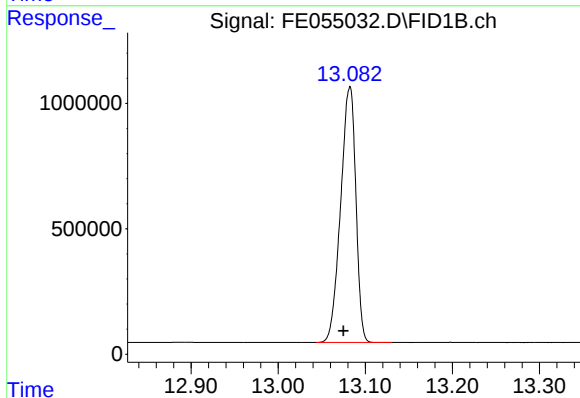
R.T.: 11.768 min
Delta R.T.: 0.008 min
Response: 12935722
Conc: 98.39 ug/ml



#9 ortho-Terphenyl (SURR)

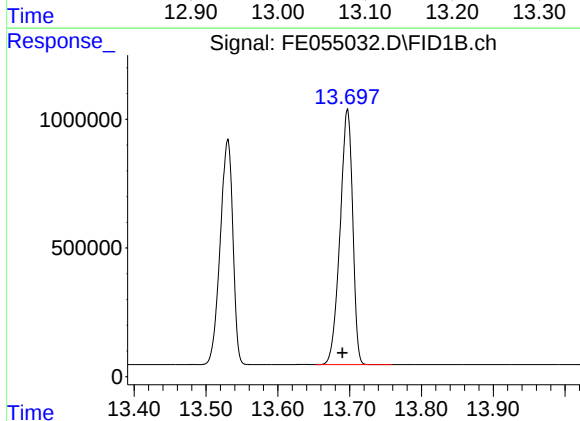
R.T.: 12.097 min
Delta R.T.: 0.009 min
Response: 14135752
Conc: 98.71 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



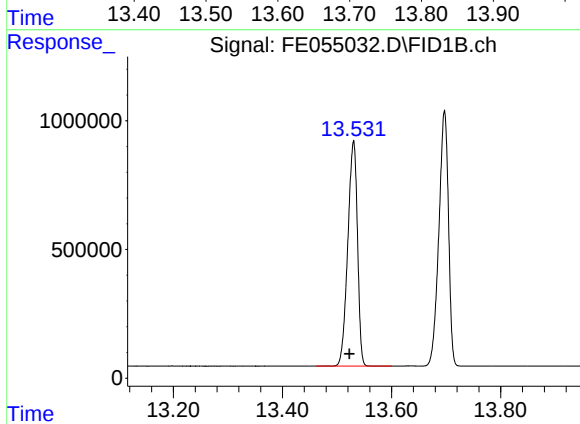
#10 n-Eicosane (C20)

R.T.: 13.082 min
Delta R.T.: 0.007 min
Response: 12366561
Conc: 98.48 ug/ml



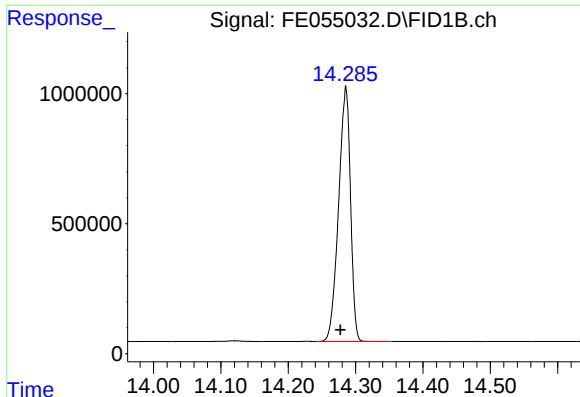
#11 n-Heneicosane (C21)

R.T.: 13.697 min
Delta R.T.: 0.007 min
Response: 12124868
Conc: 98.71 ug/ml



#12 1-chlorooctadecane (SURR)

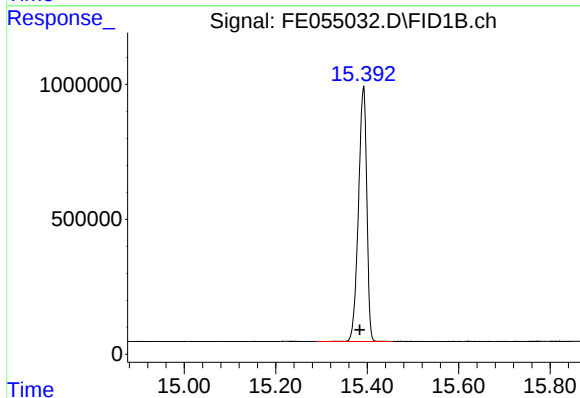
R.T.: 13.530 min
Delta R.T.: 0.007 min
Response: 10740467
Conc: 99.15 ug/ml



#13 n-Docosane (C22)

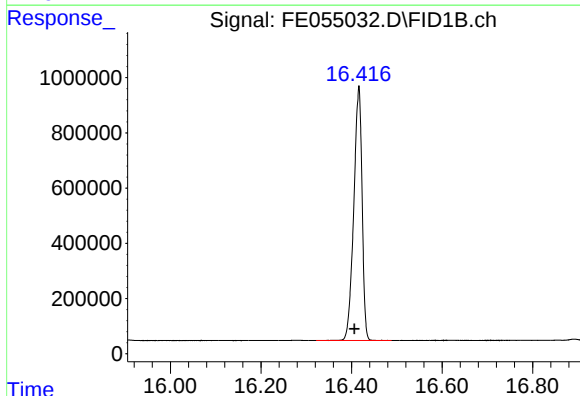
R.T.: 14.285 min
Delta R.T.: 0.008 min
Response: 12016103
Conc: 98.60 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



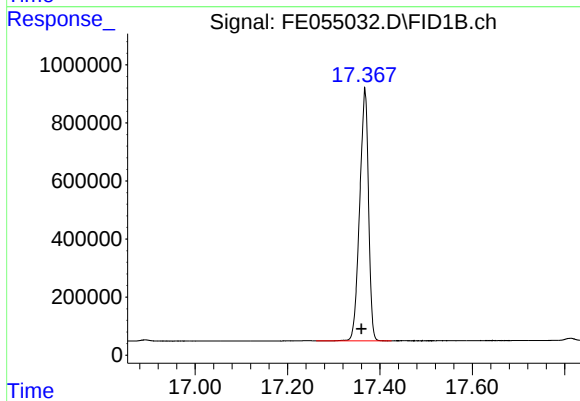
#14 n-Tetracosane (C24)

R.T.: 15.392 min
Delta R.T.: 0.008 min
Response: 11905699
Conc: 98.36 ug/ml



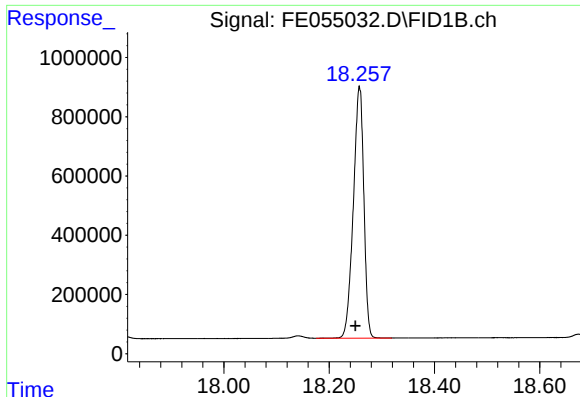
#15 n-Hexacosane (C26)

R.T.: 16.416 min
Delta R.T.: 0.009 min
Response: 11717679
Conc: 98.18 ug/ml



#16 n-Octacosane (C28)

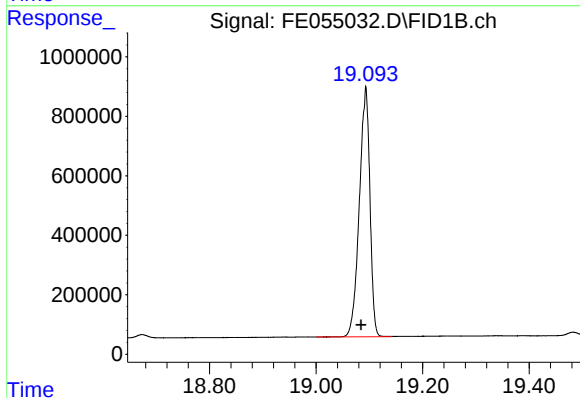
R.T.: 17.367 min
Delta R.T.: 0.007 min
Response: 11532867
Conc: 96.83 ug/ml



#17 n-Tricontane (C30)

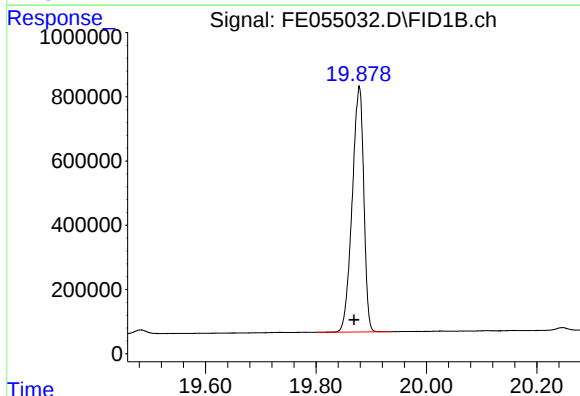
R.T.: 18.257 min
Delta R.T.: 0.008 min
Response: 11778084
Conc: 94.10 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



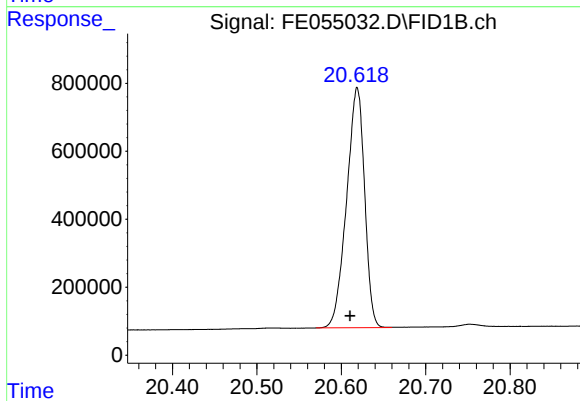
#18 n-Dotriacontane (C32)

R.T.: 19.093 min
Delta R.T.: 0.008 min
Response: 11564377
Conc: 92.64 ug/ml



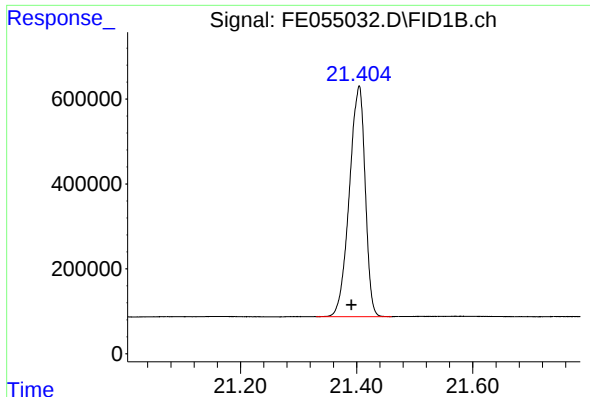
#19 n-Tetratriacontane (C34)

R.T.: 19.878 min
Delta R.T.: 0.009 min
Response: 11138630
Conc: 93.80 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.619 min
Delta R.T.: 0.008 min
Response: 10487790
Conc: 94.56 ug/ml



#21 n-Octatriacontane (C38)

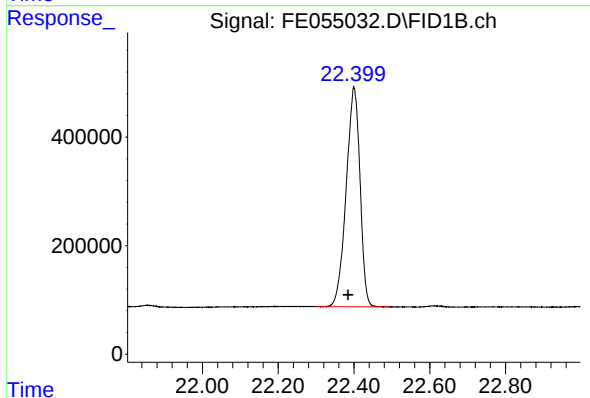
R.T.: 21.404 min
Delta R.T.: 0.013 min
Response: 10292102
Conc: 96.30 ug/ml

Instrument :

FID_E

ClientSampleId :

100 PPM ALIPHATIC HC STD1



#22 n-Tetracontane (C40)

R.T.: 22.400 min
Delta R.T.: 0.016 min
Response: 10249080
Conc: 95.56 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE072625AL\
 Data File : FE055032.D
 Signal(s) : FID1B.ch
 Acq On : 25 Jul 2025 20:19
 Sample : 100 PPM ALIPHATIC HC STD1
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 072625.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	3.428	3.377	3.510	BB	1165402	11510228	81.43%	4.387%
2	4.687	4.634	4.769	BB	1188286	11769921	83.26%	4.486%
3	6.408	6.339	6.442	BV	1385145	13577276	96.05%	5.175%
4	6.864	6.799	6.939	BB	1209200	12103575	85.62%	4.614%
5	7.511	7.459	7.627	BV	1294302	13293703	94.04%	5.067%
6	8.702	8.635	8.810	BB	1165848	12295593	86.98%	4.687%
7	10.317	10.267	10.419	VB	1172032	12808623	90.61%	4.882%
8	11.768	11.715	11.830	VB	1131719	12935722	91.51%	4.931%
9	12.097	12.022	12.150	BB	1252473	14135752	100.00%	5.388%
10	13.082	13.044	13.130	BB	1017480	12366561	87.48%	4.714%
11	13.530	13.462	13.600	BB	875155	10740467	75.98%	4.094%
12	13.697	13.653	13.759	VB	991855	12124868	85.77%	4.622%
13	14.285	14.241	14.354	PB	981163	12016103	85.01%	4.580%
14	15.392	15.289	15.454	BB	942871	11905699	84.22%	4.538%
15	16.416	16.322	16.489	BB	908779	11717679	82.89%	4.467%
16	17.367	17.262	17.425	BV	870683	11532867	81.59%	4.396%
17	18.257	18.175	18.319	VV	851416	11778084	83.32%	4.490%
18	19.093	19.000	19.142	BV	846228	11564377	81.81%	4.408%
19	19.878	19.800	19.937	BV	767502	11138630	78.80%	4.246%
20	20.619	20.570	20.660	BV	708095	10487790	74.19%	3.998%
21	21.404	21.330	21.460	BV	543509	10292102	72.81%	3.923%
22	22.400	22.300	22.499	BBA	403532	10249080	72.50%	3.907%
Sum of corrected areas:						262344699		

Aliphatic EPH 072625.M Sat Jul 26 04:08:08 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE072625AL\
 Data File : FE055033.D
 Signal(s) : FID1B.ch
 Acq On : 25 Jul 2025 20:50
 Operator : YP\AJ
 Sample : 50 PPM ALIPHATIC HC STD2
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 50 PPM ALIPHATIC HC STD2

Integration File: autoint1.e
 Quant Time: Jul 26 03:48:29 2025
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Compound	R.T.	Response	Conc Units

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Spiked Amount 50.000		Recovery =	95.73%
12) S 1-chlorooctadecane (S...	13.526	5195314	47.960 ug/ml
Spiked Amount 50.000		Recovery =	95.92%
Target Compounds			
1) T n-Nonane (C9)	3.425	5635286	48.166 ug/ml
2) T n-Decane (C10)	4.684	5756408	48.151 ug/ml
3) T A~Naphthalene (C11.7)	6.404	6583746	47.687 ug/ml
4) T n-Dodecane (C12)	6.861	5900804	48.122 ug/ml
5) T A~2-methylnaphthalene...	7.506	6468472	48.288 ug/ml
6) T n-Tetradecane (C14)	8.698	6011750	47.632 ug/ml
7) T n-Hexadecane (C16)	10.314	6232682	47.896 ug/ml
8) T n-Octadecane (C18)	11.764	6284959	47.804 ug/ml
10) T n-Eicosane (C20)	13.077	5994295	47.736 ug/ml
11) T n-Heneicosane (C21)	13.692	5875821	47.836 ug/ml
13) T n-Docosane (C22)	14.281	5824764	47.795 ug/ml
14) T n-Tetracosane (C24)	15.387	5778436	47.739 ug/ml
15) T n-Hexacosane (C26)	16.411	5693885	47.708 ug/ml
16) T n-Octacosane (C28)	17.363	5640986	47.361 ug/ml
17) T n-Tricontane (C30)	18.254	5834090	46.609 ug/ml
18) T n-Dotriacontane (C32)	19.087	5775137	46.266 ug/ml
19) T n-Tetratriacontane (C34)	19.873	5550281	46.738 ug/ml
20) T n-Hexatriacontane (C36)	20.614	5166598	46.581 ug/ml
21) T n-Octatriacontane (C38)	21.397	5024926	47.017 ug/ml
22) T n-Tetracontane (C40)	22.391	5020269	46.808 ug/ml

(f)=RT Delta > 1/2 Window

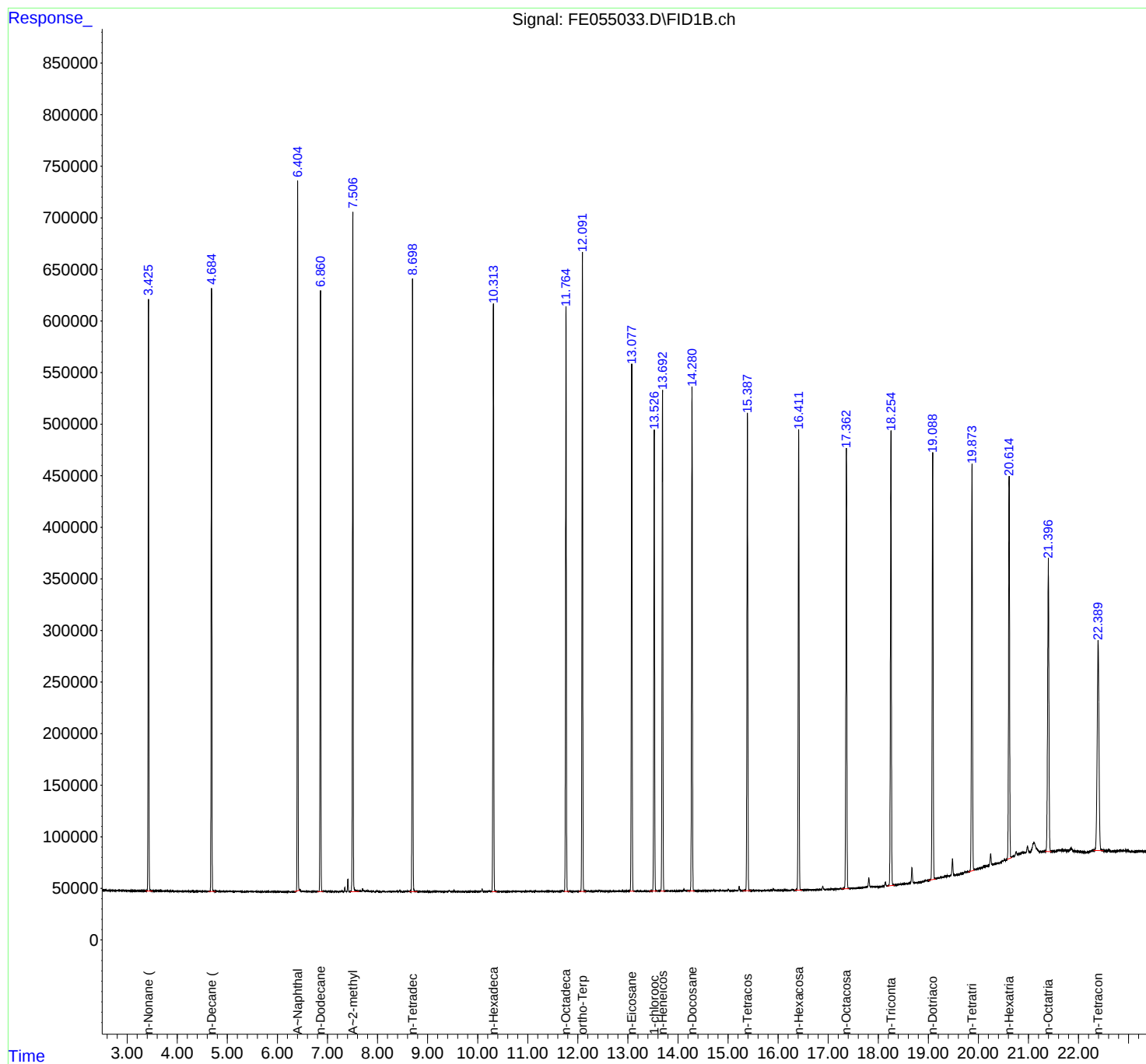
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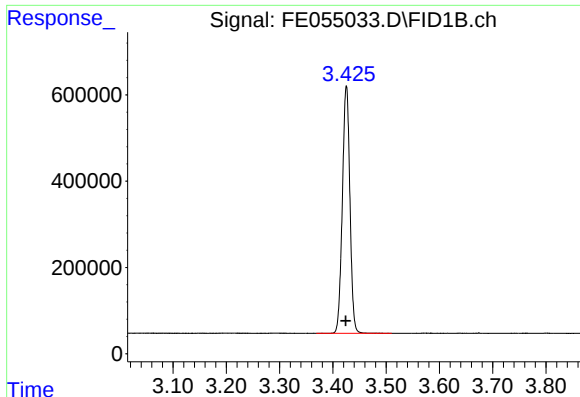
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE072625AL\
Data File : FE055033.D
Signal(s) : FID1B.ch
Acq On : 25 Jul 2025 20:50
Operator : YP\AJ
Sample : 50 PPM ALIPHATIC HC STD2
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2

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

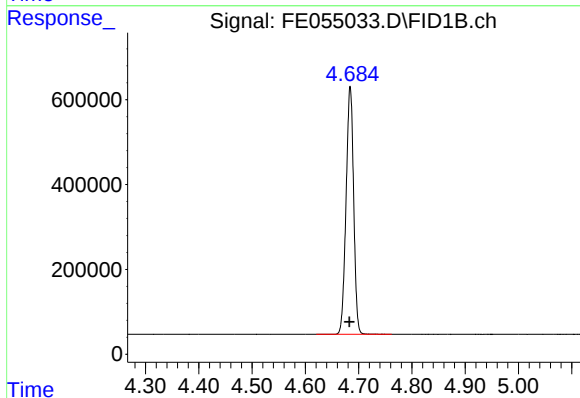




#1 n-Nonane (C9)

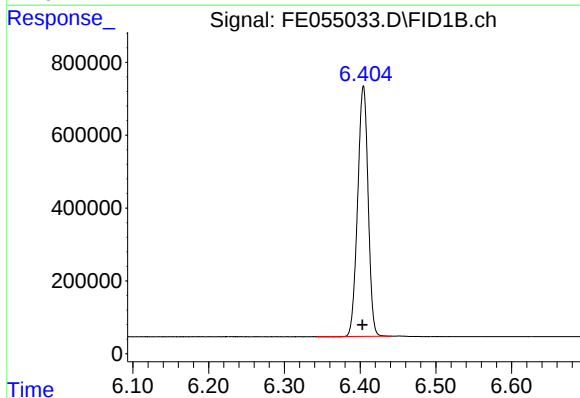
R.T.: 3.425 min
Delta R.T.: 0.001 min
Response: 5635286
Conc: 48.17 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



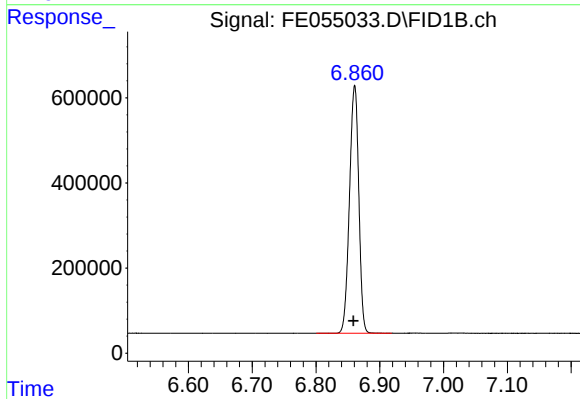
#2 n-Decane (C10)

R.T.: 4.684 min
Delta R.T.: 0.001 min
Response: 5756408
Conc: 48.15 ug/ml



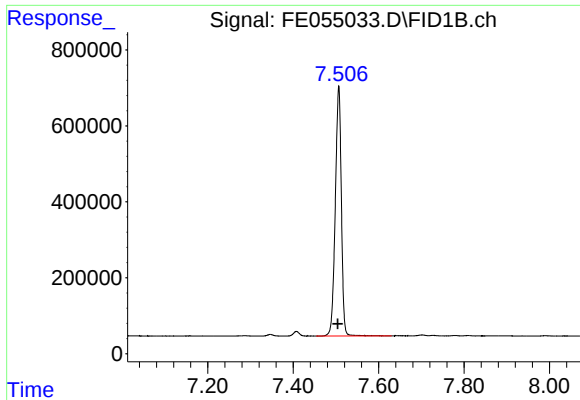
#3 A~Naphthalene (C11.7)

R.T.: 6.404 min
Delta R.T.: 0.001 min
Response: 6583746
Conc: 47.69 ug/ml



#4 n-Dodecane (C12)

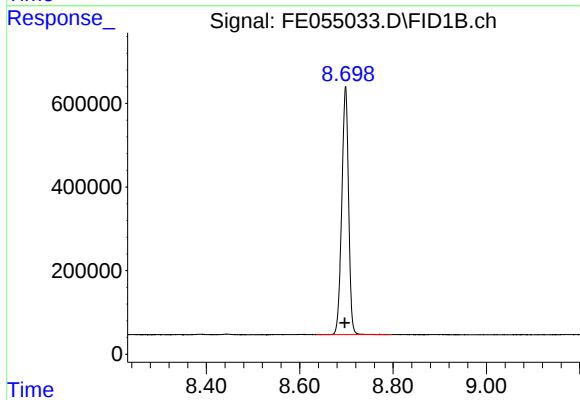
R.T.: 6.861 min
Delta R.T.: 0.002 min
Response: 5900804
Conc: 48.12 ug/ml



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

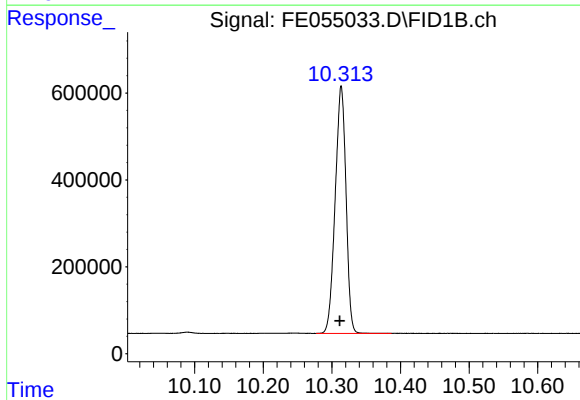
R.T.: 7.506 min
Delta R.T.: 0.002 min
Response: 6468472
Conc: 48.29 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



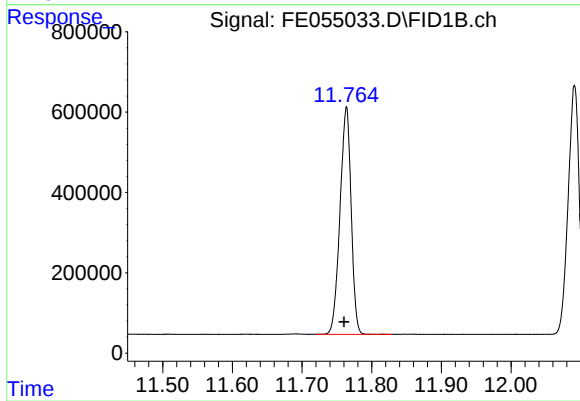
#6 n-Tetradecane (C14)

R.T.: 8.698 min
Delta R.T.: 0.002 min
Response: 6011750
Conc: 47.63 ug/ml



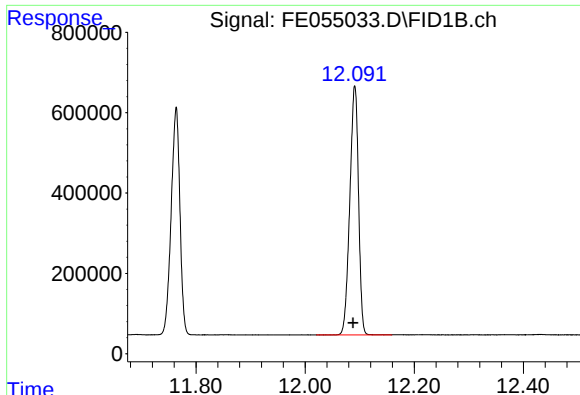
#7 n-Hexadecane (C16)

R.T.: 10.314 min
Delta R.T.: 0.002 min
Response: 6232682
Conc: 47.90 ug/ml



#8 n-Octadecane (C18)

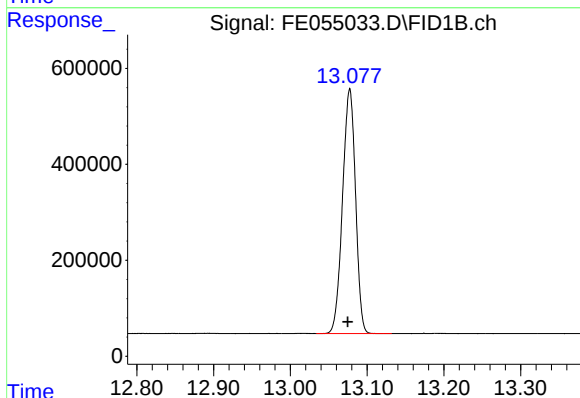
R.T.: 11.764 min
Delta R.T.: 0.003 min
Response: 6284959
Conc: 47.80 ug/ml



#9 ortho-Terphenyl (SURR)

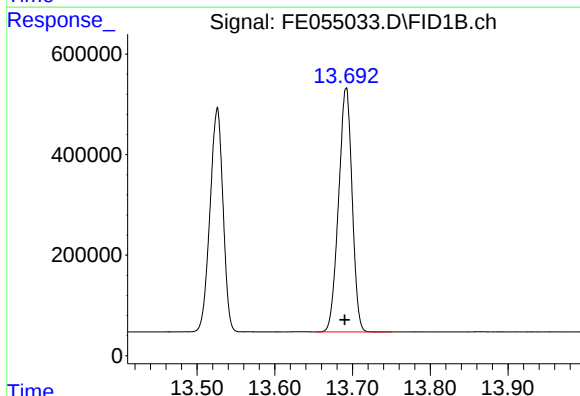
R.T.: 12.091 min
Delta R.T.: 0.003 min
Response: 6854540
Conc: 47.87 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



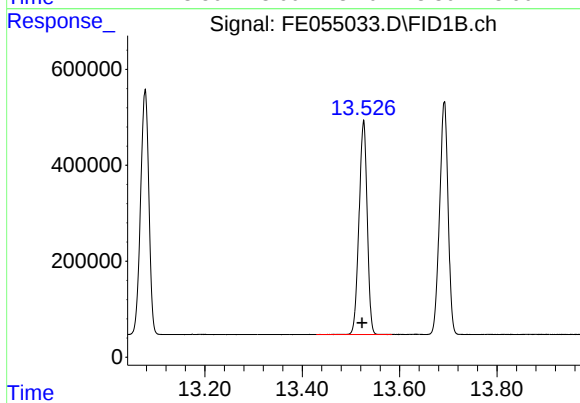
#10 n-Eicosane (C20)

R.T.: 13.077 min
Delta R.T.: 0.002 min
Response: 5994295
Conc: 47.74 ug/ml



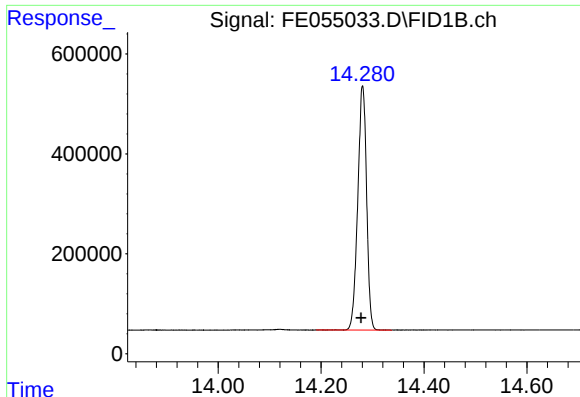
#11 n-Heneicosane (C21)

R.T.: 13.692 min
Delta R.T.: 0.002 min
Response: 5875821
Conc: 47.84 ug/ml



#12 1-chlorooctadecane (SURR)

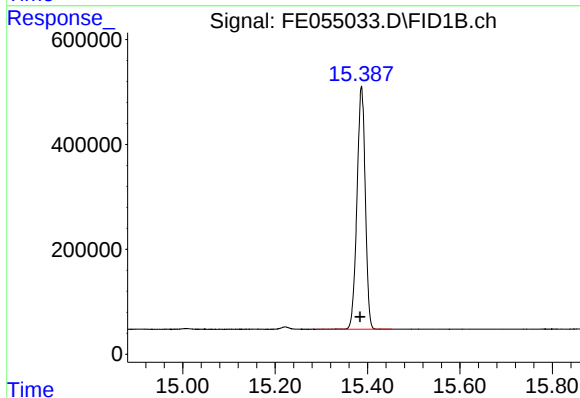
R.T.: 13.526 min
Delta R.T.: 0.003 min
Response: 5195314
Conc: 47.96 ug/ml



#13 n-Docosane (C22)

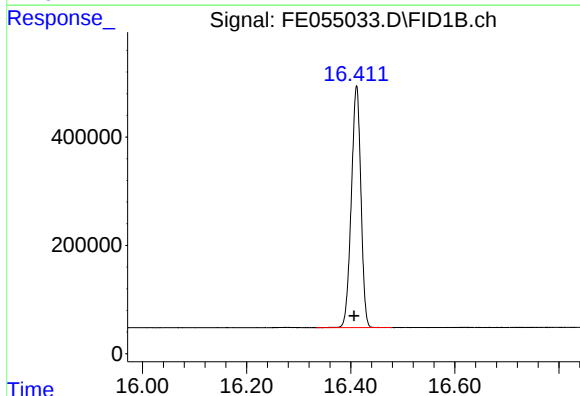
R.T.: 14.281 min
Delta R.T.: 0.003 min
Response: 5824764
Conc: 47.79 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



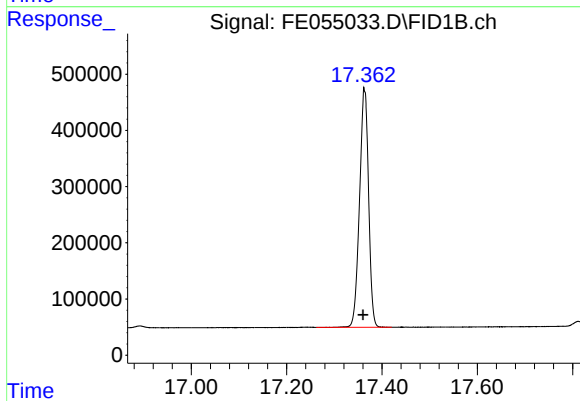
#14 n-Tetracosane (C24)

R.T.: 15.387 min
Delta R.T.: 0.003 min
Response: 5778436
Conc: 47.74 ug/ml



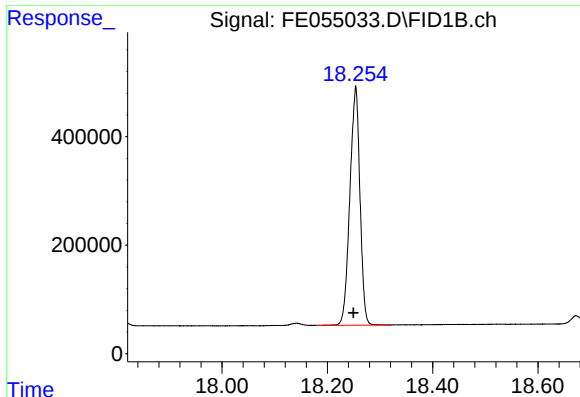
#15 n-Hexacosane (C26)

R.T.: 16.411 min
Delta R.T.: 0.004 min
Response: 5693885
Conc: 47.71 ug/ml



#16 n-Octacosane (C28)

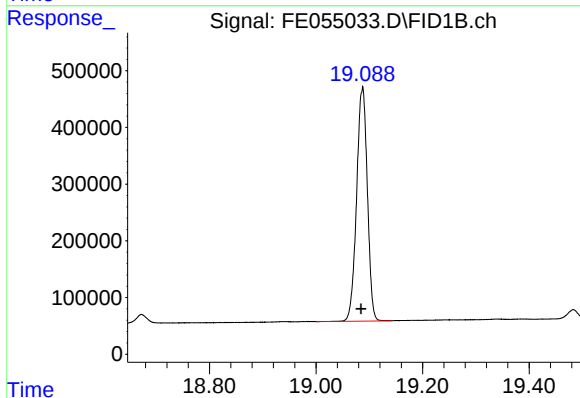
R.T.: 17.363 min
Delta R.T.: 0.003 min
Response: 5640986
Conc: 47.36 ug/ml



#17 n-Tricontane (C30)

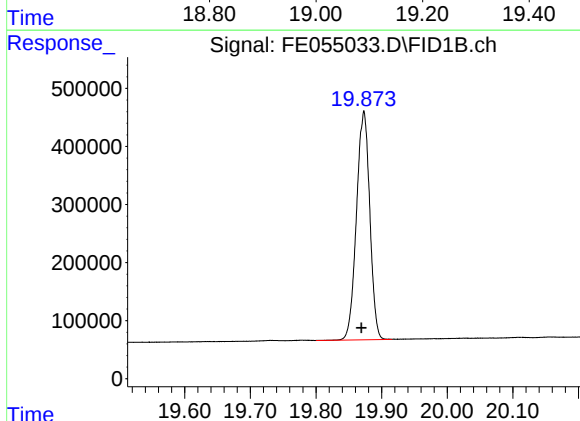
R.T.: 18.254 min
Delta R.T.: 0.004 min
Response: 5834090
Conc: 46.61 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



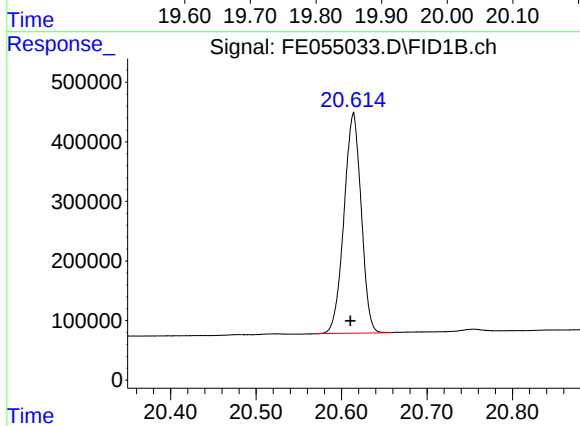
#18 n-Dotriacontane (C32)

R.T.: 19.087 min
Delta R.T.: 0.002 min
Response: 5775137
Conc: 46.27 ug/ml



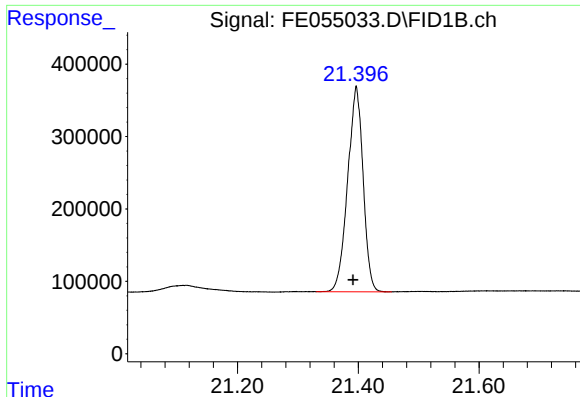
#19 n-Tetratriacontane (C34)

R.T.: 19.873 min
Delta R.T.: 0.004 min
Response: 5550281
Conc: 46.74 ug/ml



#20 n-Hexatriacontane (C36)

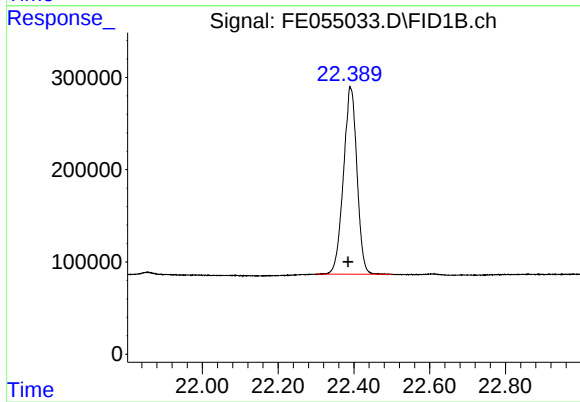
R.T.: 20.614 min
Delta R.T.: 0.003 min
Response: 5166598
Conc: 46.58 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.397 min
Delta R.T.: 0.006 min
Response: 5024926
Conc: 47.02 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



#22 n-Tetracontane (C40)

R.T.: 22.391 min
Delta R.T.: 0.007 min
Response: 5020269
Conc: 46.81 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE072625AL\
 Data File : FE055033.D
 Signal(s) : FID1B.ch
 Acq On : 25 Jul 2025 20:50
 Sample : 50 PPM ALIPHATIC HC STD2
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 072625.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	3.425	3.369	3.510	BB	574060	5635286	82.21%	4.399%
2	4.684	4.620	4.762	BB	585026	5756408	83.98%	4.494%
3	6.404	6.342	6.442	BV	687300	6583746	96.05%	5.139%
4	6.861	6.800	6.919	BB	582805	5900804	86.09%	4.606%
5	7.506	7.454	7.630	BV	662283	6468472	94.37%	5.049%
6	8.698	8.635	8.797	BB	597222	6011750	87.70%	4.693%
7	10.314	10.277	10.387	PB	570115	6232682	90.93%	4.865%
8	11.764	11.720	11.829	BB	567314	6284959	91.69%	4.906%
9	12.091	12.020	12.159	BB	621534	6854540	100.00%	5.351%
10	13.077	13.034	13.132	BB	509523	5994295	87.45%	4.679%
11	13.526	13.429	13.584	BB	443420	5195314	75.79%	4.056%
12	13.692	13.653	13.750	PB	485553	5875821	85.72%	4.587%
13	14.281	14.190	14.337	BB	488349	5824764	84.98%	4.547%
14	15.387	15.289	15.452	BB	462609	5778436	84.30%	4.511%
15	16.411	16.334	16.479	BB	447920	5693885	83.07%	4.445%
16	17.363	17.262	17.420	BV	419593	5640986	82.30%	4.403%
17	18.254	18.179	18.322	PV	441267	5834090	85.11%	4.554%
18	19.087	19.000	19.142	BV	409735	5775137	84.25%	4.508%
19	19.873	19.800	19.915	BV	391857	5550281	80.97%	4.333%
20	20.614	20.570	20.659	BV	369300	5166598	75.37%	4.033%
21	21.397	21.330	21.455	BV	283912	5024926	73.31%	3.923%
22	22.391	22.300	22.500	BBA	201237	5020269	73.24%	3.919%
Sum of corrected areas:						128103449		

Aliphatic EPH 072625.M Sat Jul 26 04:08:58 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE072625AL\
 Data File : FE055034.D
 Signal(s) : FID1B.ch
 Acq On : 25 Jul 2025 21:20
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD3
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD3

Integration File: autoint1.e
 Quant Time: Jul 26 03:48:50 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 072625.M
 Quant Title : GC Extractables
 QLast Update : Sat Jul 26 03:46:03 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)	12.088	2863968	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
12) S 1-chlorooctadecane (S...	13.523	2166525	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
Target Compounds			
1) T n-Nonane (C9)	3.424	2339965	20.000 ug/ml
2) T n-Decane (C10)	4.683	2390959	20.000 ug/ml
3) T A~Naphthalene (C11.7)	6.403	2761254	20.000 ug/ml
4) T n-Dodecane (C12)	6.859	2452438	20.000 ug/ml
5) T A~2-methylnaphthalene...	7.504	2679134	20.000 ug/ml
6) T n-Tetradecane (C14)	8.696	2524252	20.000 ug/ml
7) T n-Hexadecane (C16)	10.311	2602600	20.000 ug/ml
8) T n-Octadecane (C18)	11.760	2629484	20.000 ug/ml
10) T n-Eicosane (C20)	13.075	2511442	20.000 ug/ml
11) T n-Heneicosane (C21)	13.690	2456669	20.000 ug/ml
13) T n-Docosane (C22)	14.277	2437397	20.000 ug/ml
14) T n-Tetracosane (C24)	15.384	2420835	20.000 ug/ml
15) T n-Hexacosane (C26)	16.407	2386968	20.000 ug/ml
16) T n-Octacosane (C28)	17.360	2382125	20.000 ug/ml
17) T n-Tricontane (C30)	18.250	2503404	20.000 ug/ml
18) T n-Dotriacontane (C32)	19.085	2496498	20.000 ug/ml
19) T n-Tetratriacontane (C34)	19.869	2375040	20.000 ug/ml
20) T n-Hexatriacontane (C36)	20.610	2218341	20.000 ug/ml
21) T n-Octatriacontane (C38)	21.391	2137504	20.000 ug/ml
22) T n-Tetracontane (C40)	22.384	2145029	20.000 ug/ml

(f)=RT Delta > 1/2 Window

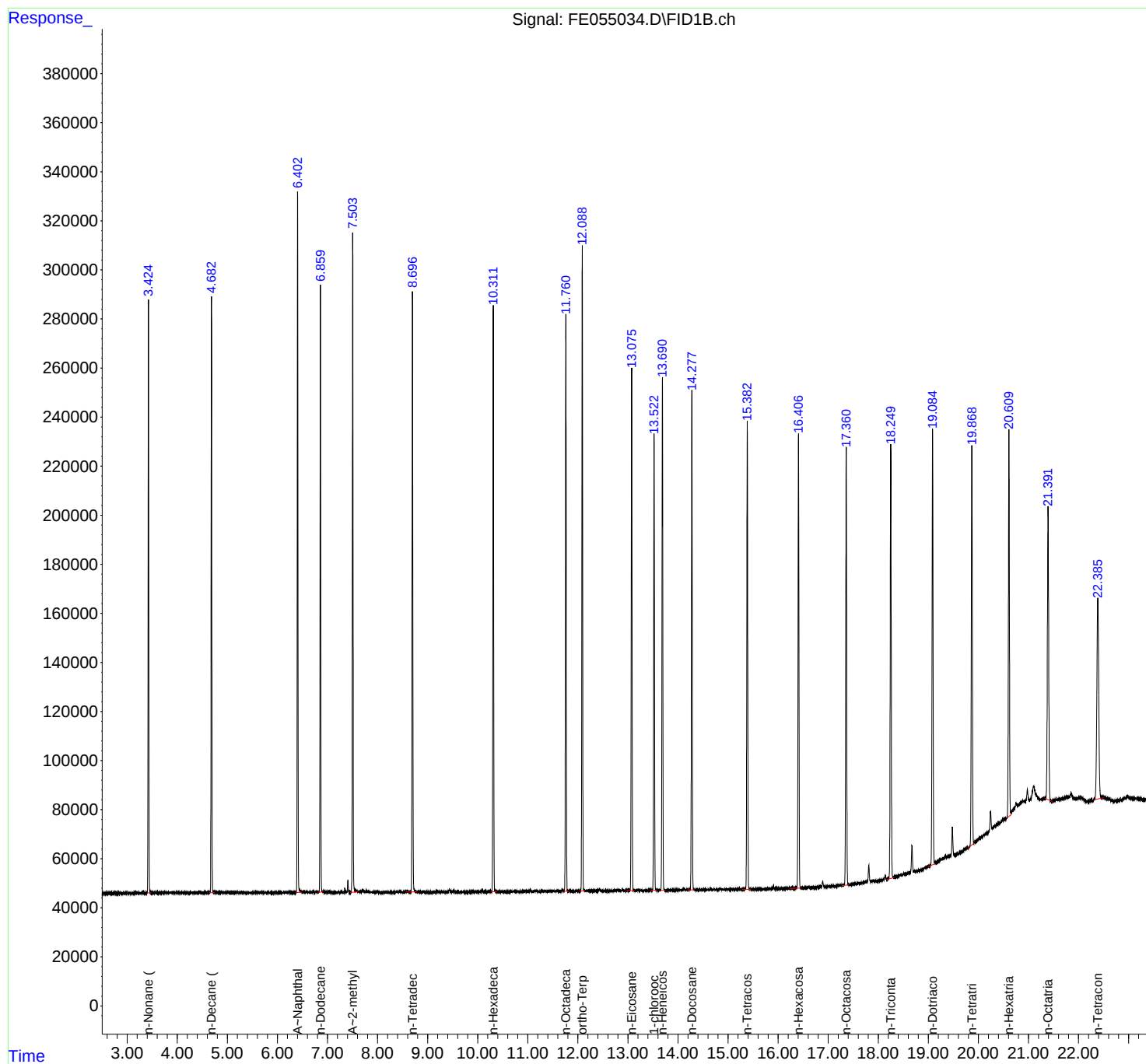
(m)=manual int.

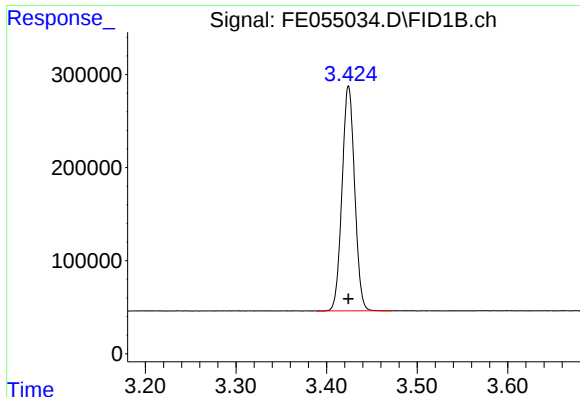
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE072625AL\
Data File : FE055034.D
Signal(s) : FID1B.ch
Acq On : 25 Jul 2025 21:20
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD3
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3

Integration File: autoint1.e
Quant Time: Jul 26 03:48:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 072625.M
Quant Title : GC Extractables
QLast Update : Sat Jul 26 03:46:03 2025
Response via : Initial Calibration
Integrator: ChemStation

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

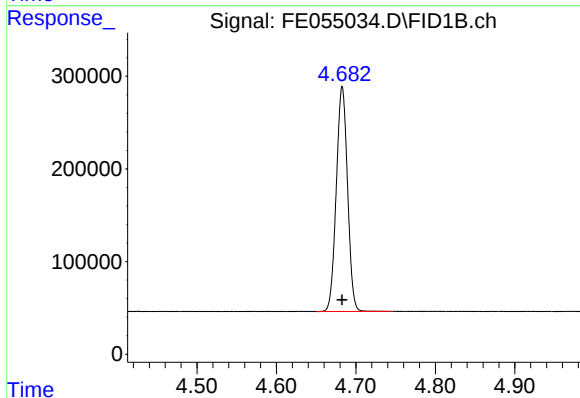




#1 n-Nonane (C9)

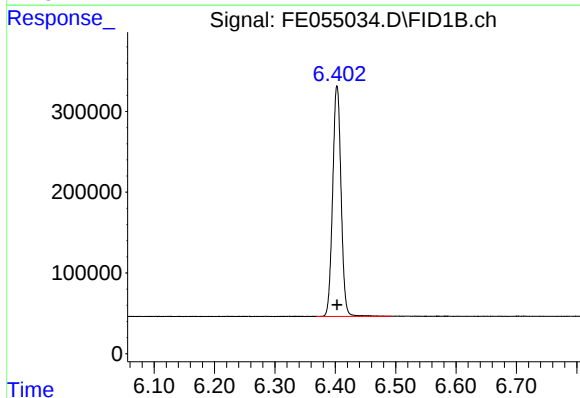
R.T.: 3.424 min
Delta R.T.: 0.000 min
Response: 2339965
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



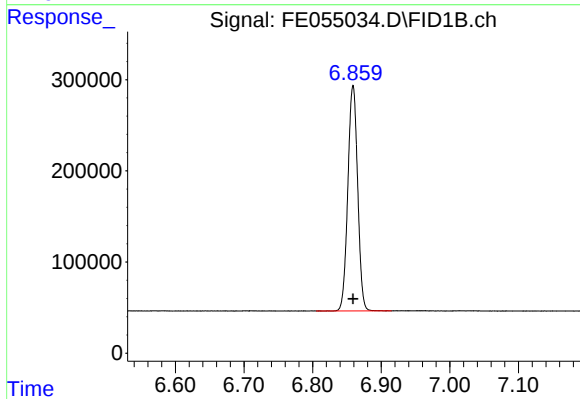
#2 n-Decane (C10)

R.T.: 4.683 min
Delta R.T.: 0.000 min
Response: 2390959
Conc: 20.00 ug/ml



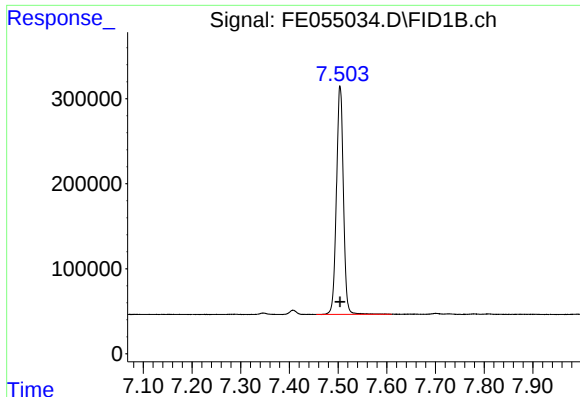
#3 A~Naphthalene (C11.7)

R.T.: 6.403 min
Delta R.T.: 0.000 min
Response: 2761254
Conc: 20.00 ug/ml



#4 n-Dodecane (C12)

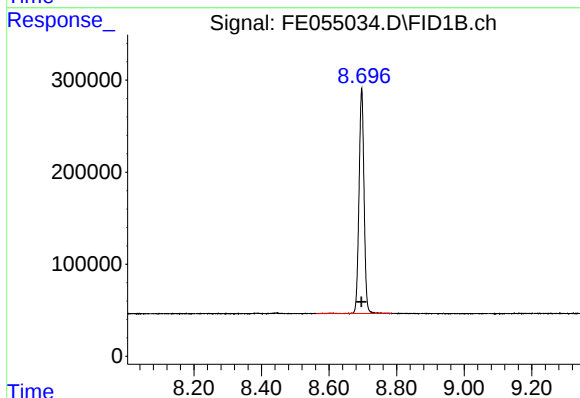
R.T.: 6.859 min
Delta R.T.: 0.000 min
Response: 2452438
Conc: 20.00 ug/ml



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

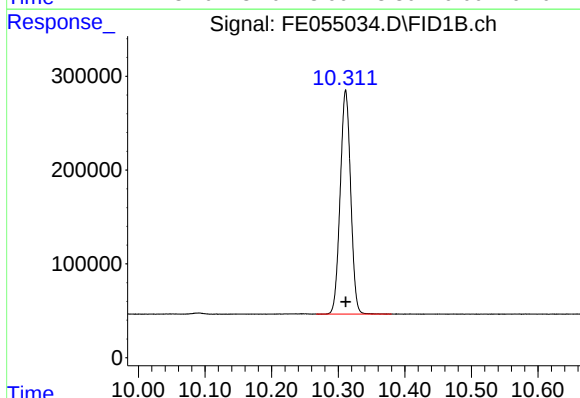
R.T.: 7.504 min
Delta R.T.: 0.000 min
Response: 2679134
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



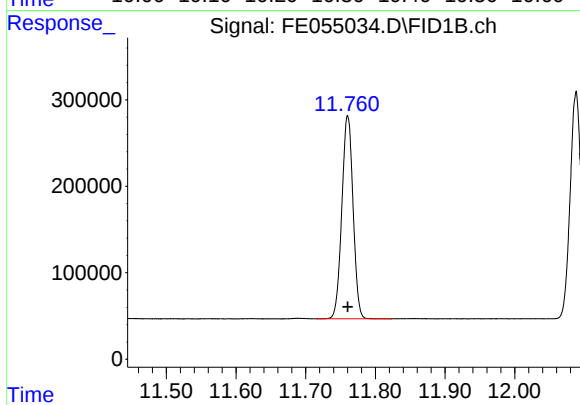
#6 n-Tetradecane (C14)

R.T.: 8.696 min
Delta R.T.: 0.000 min
Response: 2524252
Conc: 20.00 ug/ml



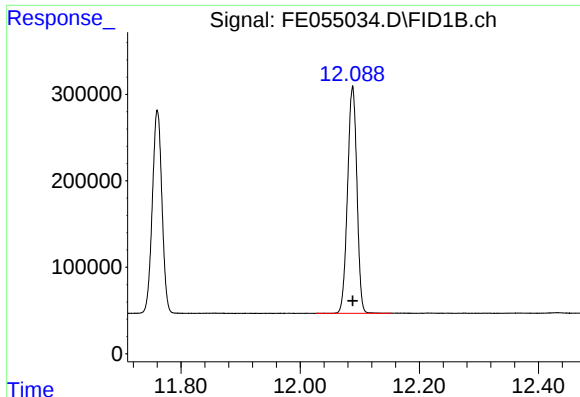
#7 n-Hexadecane (C16)

R.T.: 10.311 min
Delta R.T.: 0.000 min
Response: 2602600
Conc: 20.00 ug/ml



#8 n-Octadecane (C18)

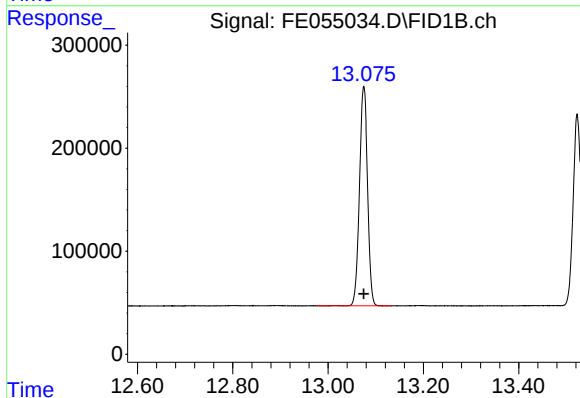
R.T.: 11.760 min
Delta R.T.: 0.000 min
Response: 2629484
Conc: 20.00 ug/ml



#9 ortho-Terphenyl (SURR)

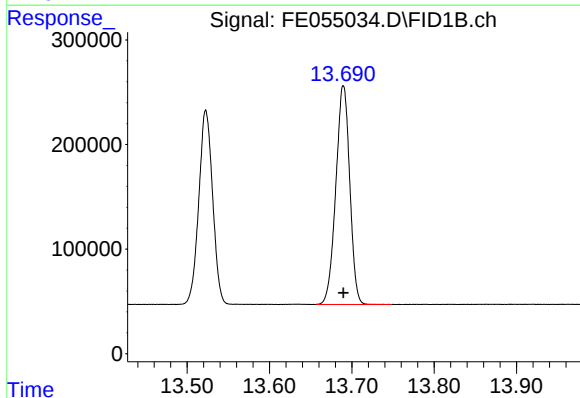
R.T.: 12.088 min
Delta R.T.: 0.000 min
Response: 2863968
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



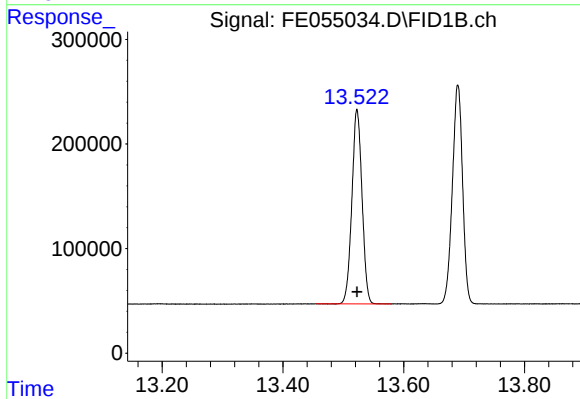
#10 n-Eicosane (C20)

R.T.: 13.075 min
Delta R.T.: 0.000 min
Response: 2511442
Conc: 20.00 ug/ml



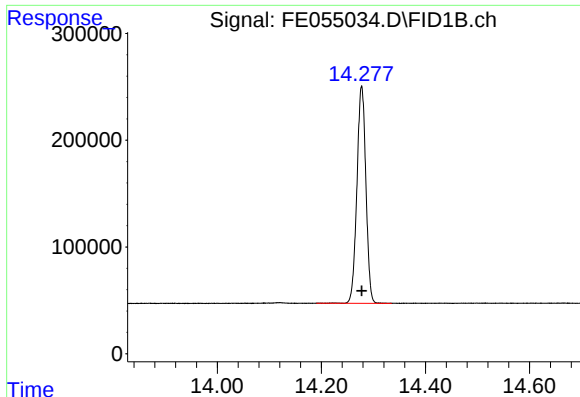
#11 n-Heneicosane (C21)

R.T.: 13.690 min
Delta R.T.: 0.000 min
Response: 2456669
Conc: 20.00 ug/ml



#12 1-chlorooctadecane (SURR)

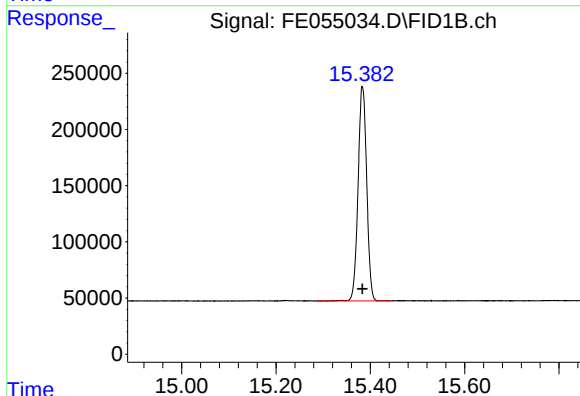
R.T.: 13.523 min
Delta R.T.: 0.000 min
Response: 2166525
Conc: 20.00 ug/ml



#13 n-Docosane (C22)

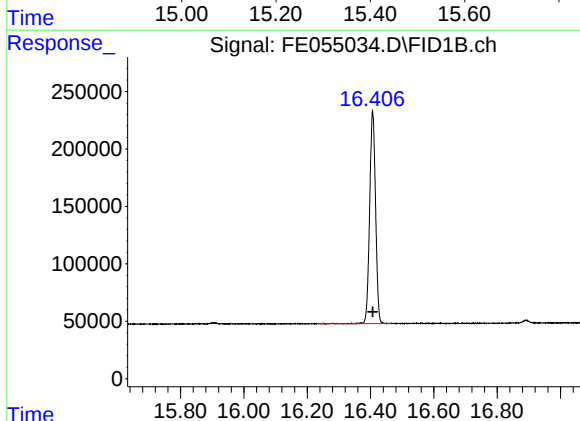
R.T.: 14.277 min
Delta R.T.: 0.000 min
Response: 2437397
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



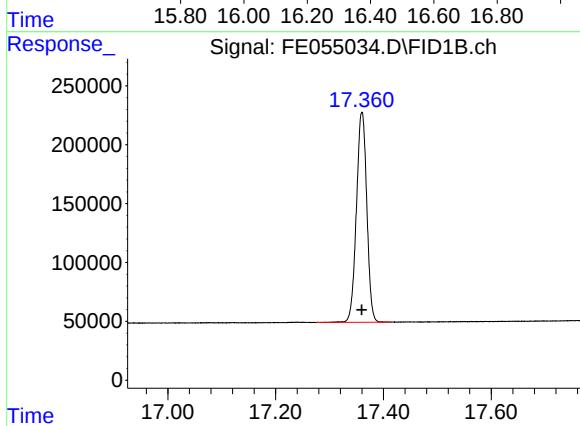
#14 n-Tetracosane (C24)

R.T.: 15.384 min
Delta R.T.: 0.000 min
Response: 2420835
Conc: 20.00 ug/ml



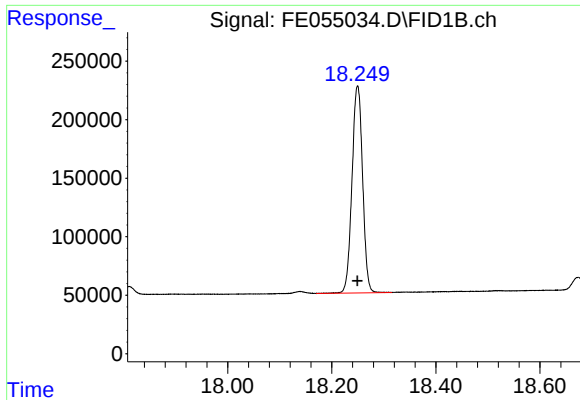
#15 n-Hexacosane (C26)

R.T.: 16.407 min
Delta R.T.: 0.000 min
Response: 2386968
Conc: 20.00 ug/ml



#16 n-Octacosane (C28)

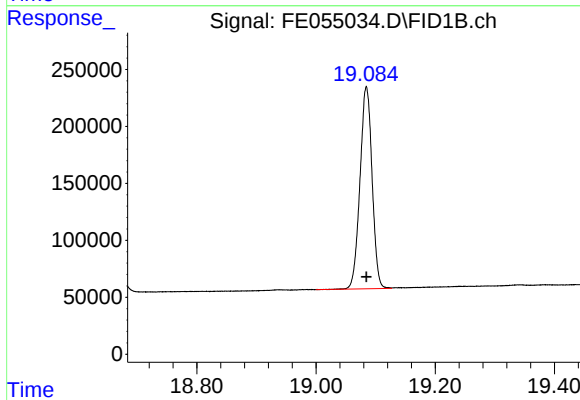
R.T.: 17.360 min
Delta R.T.: 0.000 min
Response: 2382125
Conc: 20.00 ug/ml



#17 n-Tricontane (C30)

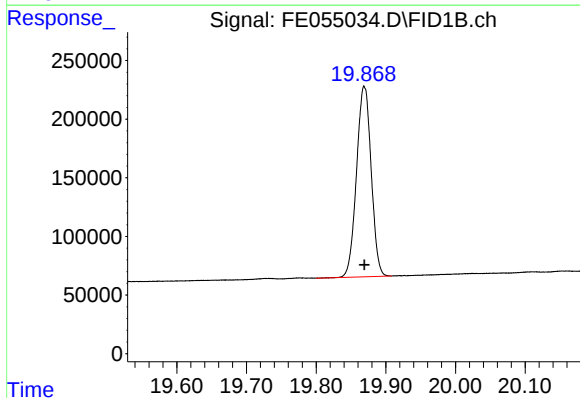
R.T.: 18.250 min
Delta R.T.: 0.000 min
Response: 2503404
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



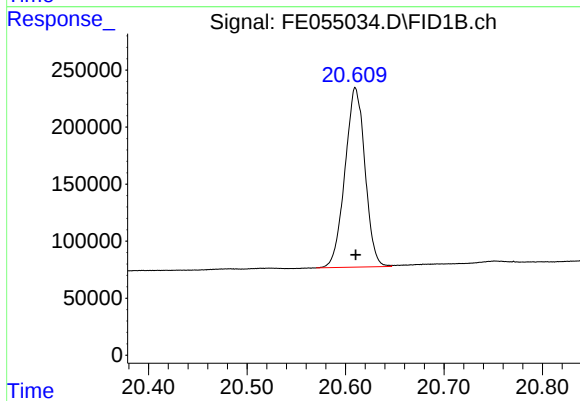
#18 n-Dotriacontane (C32)

R.T.: 19.085 min
Delta R.T.: 0.000 min
Response: 2496498
Conc: 20.00 ug/ml



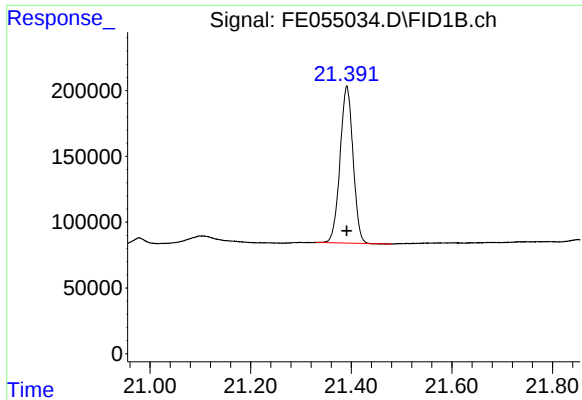
#19 n-Tetratriacontane (C34)

R.T.: 19.869 min
Delta R.T.: 0.000 min
Response: 2375040
Conc: 20.00 ug/ml



#20 n-Hexatriacontane (C36)

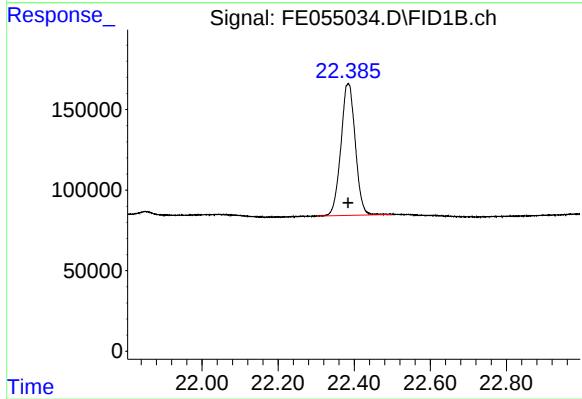
R.T.: 20.610 min
Delta R.T.: 0.000 min
Response: 2218341
Conc: 20.00 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.391 min
Delta R.T.: 0.000 min
Response: 2137504
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



#22 n-Tetracontane (C40)

R.T.: 22.384 min
Delta R.T.: 0.000 min
Response: 2145029
Conc: 20.00 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE072625AL\
 Data File : FE055034.D
 Signal(s) : FID1B.ch
 Acq On : 25 Jul 2025 21:20
 Sample : 20 PPM ALIPHATIC HC STD3
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 072625.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	3.424	3.388	3.472	BB	241392	2339965	81.70%	4.343%
2	4.683	4.650	4.745	BB	242825	2390959	83.48%	4.437%
3	6.403	6.368	6.493	BB	285679	2761254	96.41%	5.125%
4	6.859	6.805	6.915	BB	246878	2452438	85.63%	4.552%
5	7.504	7.455	7.610	BB	269728	2679134	93.55%	4.972%
6	8.696	8.562	8.785	BB	245034	2524252	88.14%	4.685%
7	10.311	10.267	10.380	BB	238590	2602600	90.87%	4.830%
8	11.760	11.715	11.823	BB	234947	2629484	91.81%	4.880%
9	12.088	12.027	12.153	BB	263521	2863968	100.00%	5.315%
10	13.075	12.975	13.133	BB	213224	2511442	87.69%	4.661%
11	13.523	13.455	13.580	BB	185004	2166525	75.65%	4.021%
12	13.690	13.657	13.748	BB	209031	2456669	85.78%	4.559%
13	14.277	14.190	14.335	BB	203438	2437397	85.11%	4.524%
14	15.384	15.285	15.445	BB	190154	2420835	84.53%	4.493%
15	16.407	16.228	16.467	BB	184581	2386968	83.34%	4.430%
16	17.360	17.275	17.415	BB	178368	2382125	83.18%	4.421%
17	18.250	18.170	18.315	PV	177142	2503404	87.41%	4.646%
18	19.085	19.000	19.127	BV	177407	2496498	87.17%	4.633%
19	19.869	19.800	19.908	BV	162476	2375040	82.93%	4.408%
20	20.610	20.570	20.647	BV	157097	2218341	77.46%	4.117%
21	21.391	21.330	21.480	BV	119648	2137504	74.63%	3.967%
22	22.384	22.300	22.498	BB	81635	2145029	74.90%	3.981%
Sum of corrected areas:							53881831	

Aliphatic EPH 072625.M Sat Jul 26 04:09:35 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE072625AL\
 Data File : FE055035.D
 Signal(s) : FID1B.ch
 Acq On : 25 Jul 2025 21:50
 Operator : YP\AJ
 Sample : 10 PPM ALIPHATIC HC STD4
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 10 PPM ALIPHATIC HC STD4

Integration File: autoint1.e
 Quant Time: Jul 26 03:49:09 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 072625.M
 Quant Title : GC Extractables
 QLast Update : Sat Jul 26 03:46:03 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)	12.087	1552269	10.840 ug/ml
Spiked Amount 50.000		Recovery =	21.68%
12) S 1-chlorooctadecane (S...	13.523	1174594	10.843 ug/ml
Spiked Amount 50.000		Recovery =	21.69%
Target Compounds			
1) T n-Nonane (C9)	3.424	1271562	10.868 ug/ml
2) T n-Decane (C10)	4.683	1293740	10.822 ug/ml
3) T A~Naphthalene (C11.7)	6.403	1493091	10.815 ug/ml
4) T n-Dodecane (C12)	6.859	1327875	10.829 ug/ml
5) T A~2-methylnaphthalene...	7.504	1437457	10.731 ug/ml
6) T n-Tetradecane (C14)	8.696	1382541	10.954 ug/ml
7) T n-Hexadecane (C16)	10.311	1417845	10.896 ug/ml
8) T n-Octadecane (C18)	11.760	1430704	10.882 ug/ml
10) T n-Eicosane (C20)	13.075	1363620	10.859 ug/ml
11) T n-Heneicosane (C21)	13.689	1337951	10.892 ug/ml
13) T n-Docosane (C22)	14.277	1330009	10.913 ug/ml
14) T n-Tetracosane (C24)	15.384	1318361	10.892 ug/ml
15) T n-Hexacosane (C26)	16.407	1296444	10.863 ug/ml
16) T n-Octacosane (C28)	17.361	1303983	10.948 ug/ml
17) T n-Tricontane (C30)	18.250	1384259	11.059 ug/ml
18) T n-Dotriacontane (C32)	19.084	1384490	11.091 ug/ml
19) T n-Tetratriacontane (C34)	19.870	1308689	11.020 ug/ml
20) T n-Hexatriacontane (C36)	20.612	1211437	10.922 ug/ml
21) T n-Octatriacontane (C38)	21.392	1201420	11.241 ug/ml
22) T n-Tetracontane (C40)	22.387	1168579	10.896 ug/ml

(f)=RT Delta > 1/2 Window

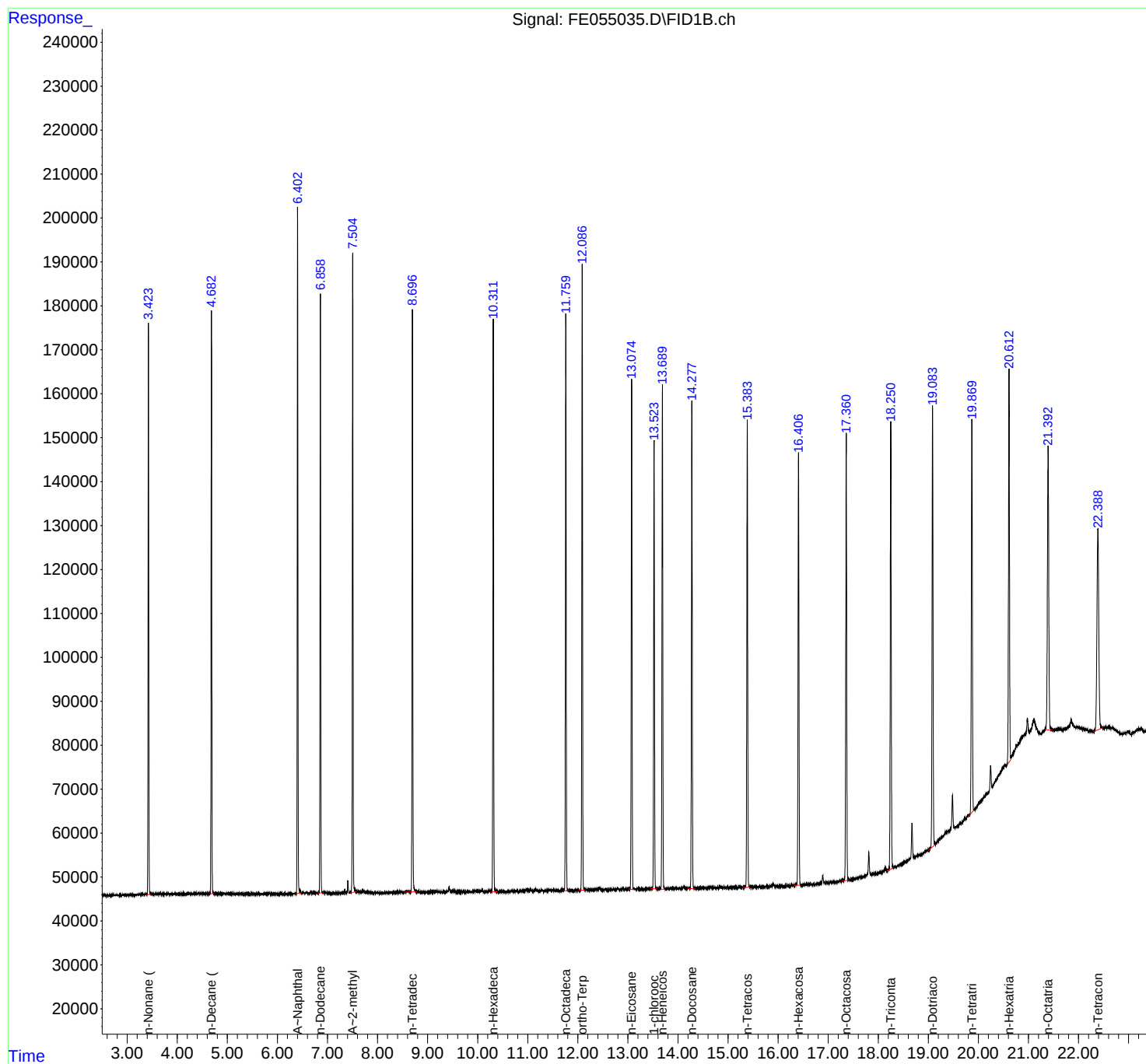
(m)=manual int.

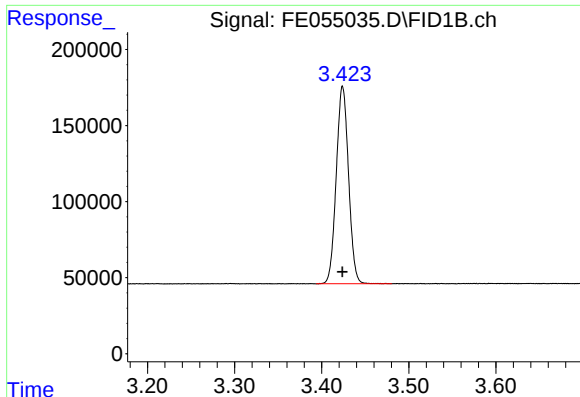
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE072625AL\
Data File : FE055035.D
Signal(s) : FID1B.ch
Acq On : 25 Jul 2025 21:50
Operator : YP\AJ
Sample : 10 PPM ALIPHATIC HC STD4
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4

Integration File: autoint1.e
Quant Time: Jul 26 03:49:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 072625.M
Quant Title : GC Extractables
QLast Update : Sat Jul 26 03:46:03 2025
Response via : Initial Calibration
Integrator: ChemStation

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

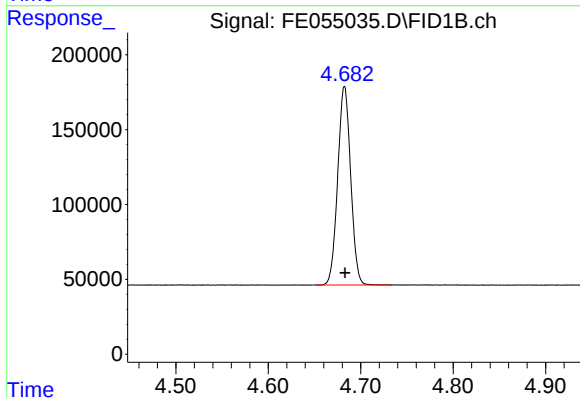




#1 n-Nonane (C9)

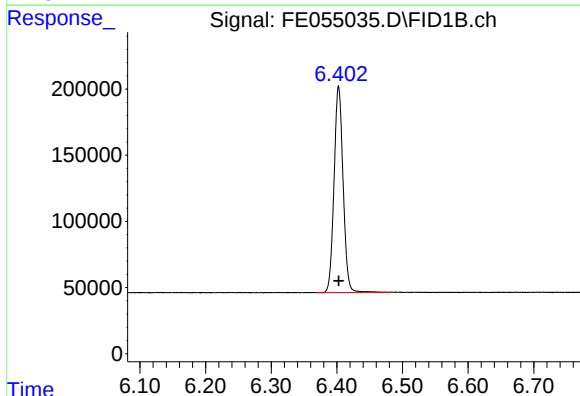
R.T.: 3.424 min
Delta R.T.: 0.000 min
Response: 1271562
Conc: 10.87 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4



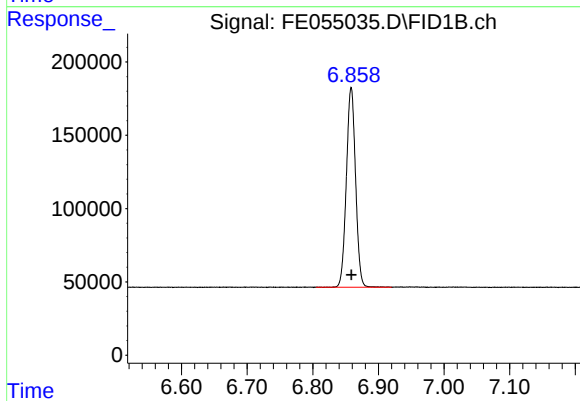
#2 n-Decane (C10)

R.T.: 4.683 min
Delta R.T.: 0.000 min
Response: 1293740
Conc: 10.82 ug/ml



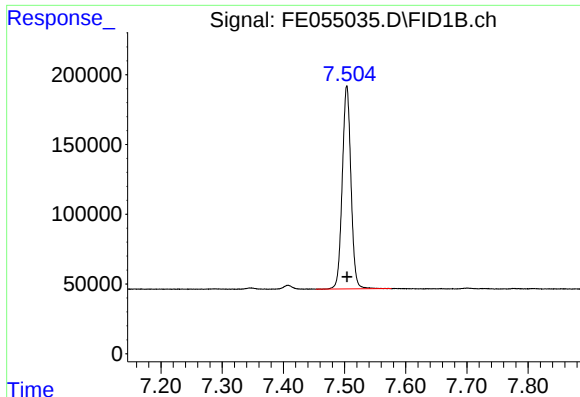
#3 A~Naphthalene (C11.7)

R.T.: 6.403 min
Delta R.T.: 0.000 min
Response: 1493091
Conc: 10.81 ug/ml



#4 n-Dodecane (C12)

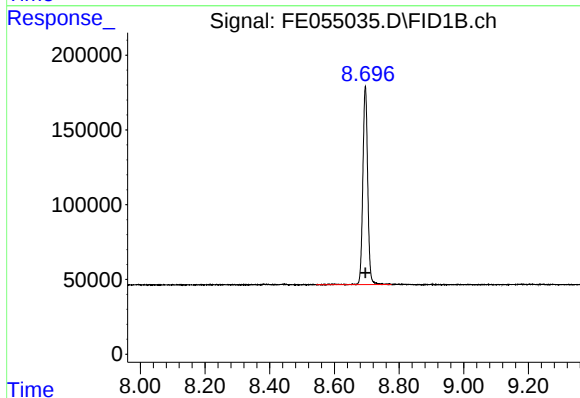
R.T.: 6.859 min
Delta R.T.: 0.000 min
Response: 1327875
Conc: 10.83 ug/ml



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

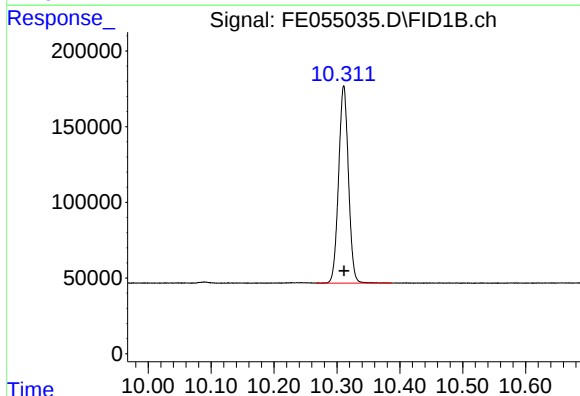
R.T.: 7.504 min
Delta R.T.: 0.000 min
Response: 1437457
Conc: 10.73 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4



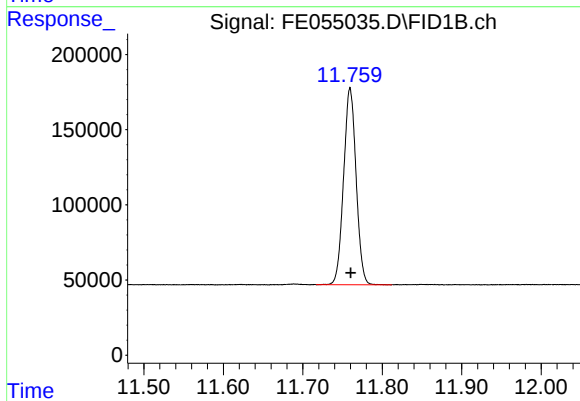
#6 n-Tetradecane (C14)

R.T.: 8.696 min
Delta R.T.: 0.000 min
Response: 1382541
Conc: 10.95 ug/ml



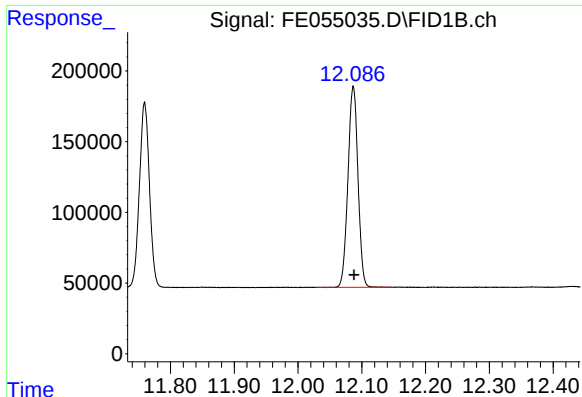
#7 n-Hexadecane (C16)

R.T.: 10.311 min
Delta R.T.: 0.000 min
Response: 1417845
Conc: 10.90 ug/ml



#8 n-Octadecane (C18)

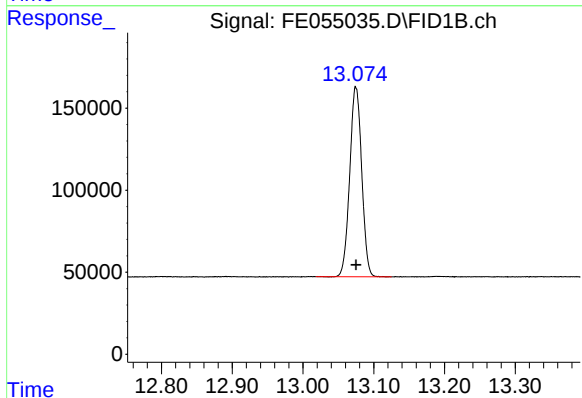
R.T.: 11.760 min
Delta R.T.: 0.000 min
Response: 1430704
Conc: 10.88 ug/ml



#9 ortho-Terphenyl (SURR)

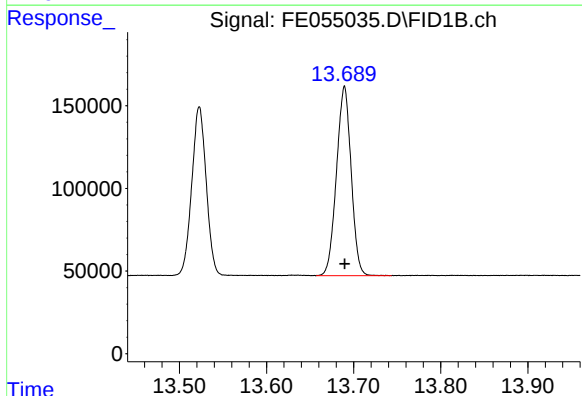
R.T.: 12.087 min
Delta R.T.: -0.001 min
Response: 1552269
Conc: 10.84 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4



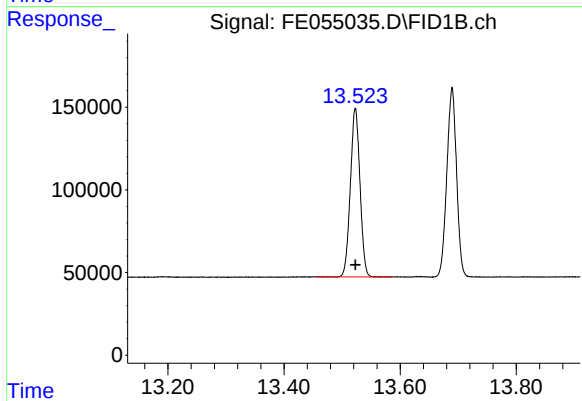
#10 n-Eicosane (C20)

R.T.: 13.075 min
Delta R.T.: 0.000 min
Response: 1363620
Conc: 10.86 ug/ml



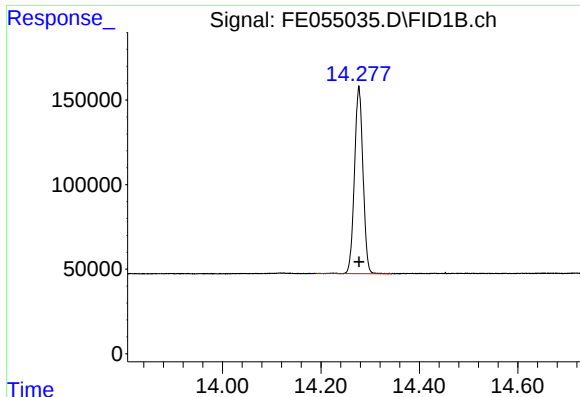
#11 n-Heneicosane (C21)

R.T.: 13.689 min
Delta R.T.: 0.000 min
Response: 1337951
Conc: 10.89 ug/ml



#12 1-chlorooctadecane (SURR)

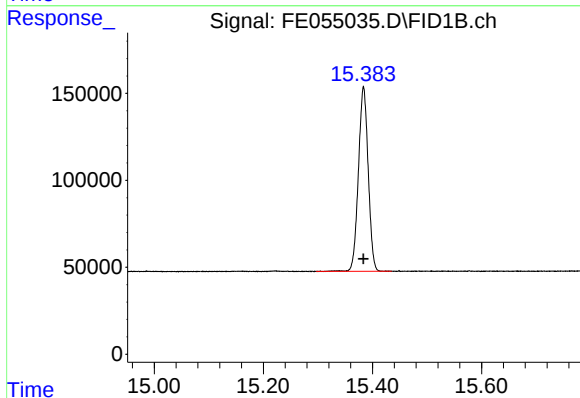
R.T.: 13.523 min
Delta R.T.: 0.000 min
Response: 1174594
Conc: 10.84 ug/ml



#13 n-Docosane (C22)

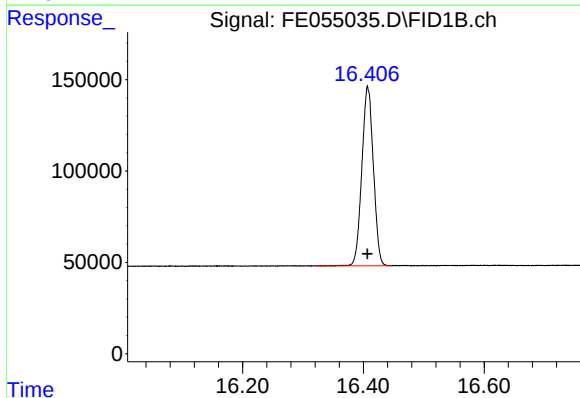
R.T.: 14.277 min
Delta R.T.: 0.000 min
Response: 1330009
Conc: 10.91 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4



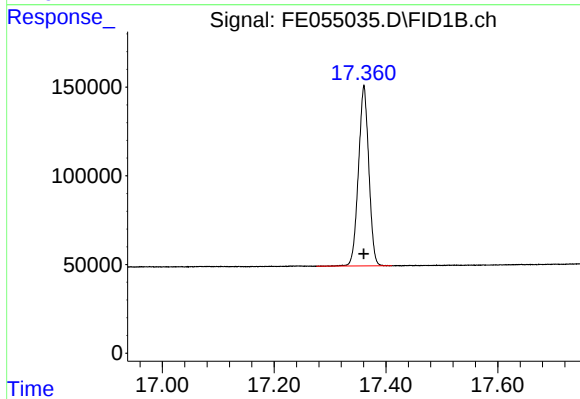
#14 n-Tetracosane (C24)

R.T.: 15.384 min
Delta R.T.: 0.000 min
Response: 1318361
Conc: 10.89 ug/ml



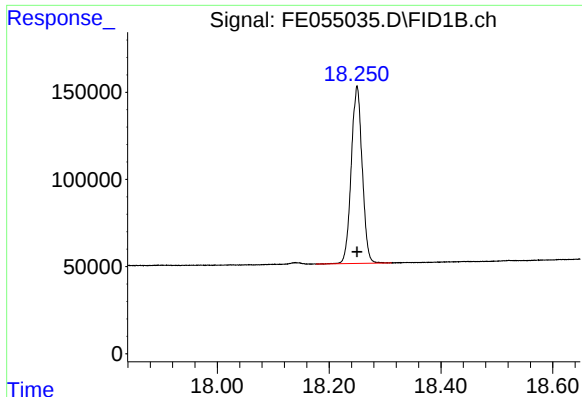
#15 n-Hexacosane (C26)

R.T.: 16.407 min
Delta R.T.: 0.000 min
Response: 1296444
Conc: 10.86 ug/ml



#16 n-Octacosane (C28)

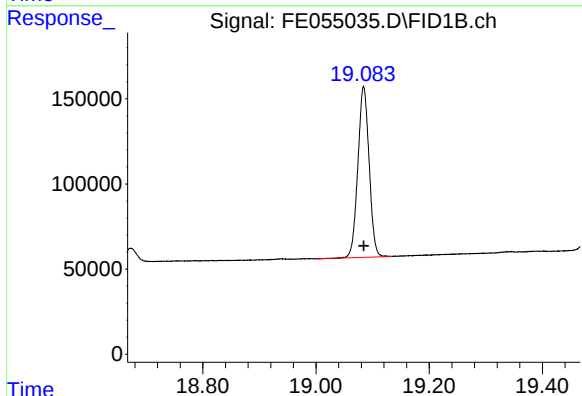
R.T.: 17.361 min
Delta R.T.: 0.000 min
Response: 1303983
Conc: 10.95 ug/ml



#17 n-Tricontane (C30)

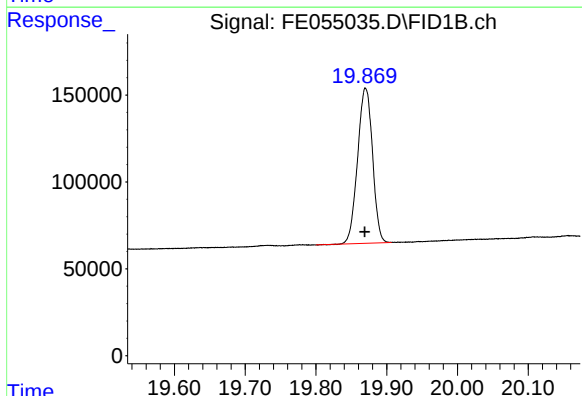
R.T.: 18.250 min
Delta R.T.: 0.000 min
Response: 1384259
Conc: 11.06 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4



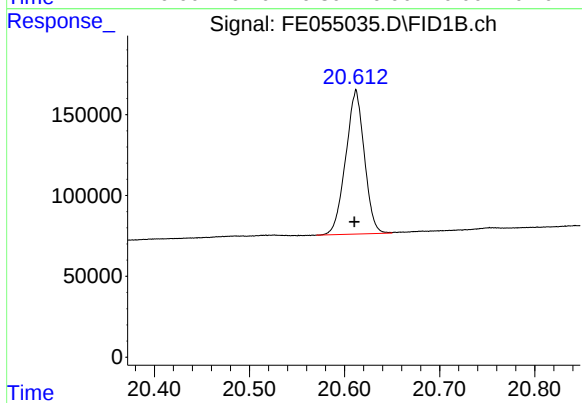
#18 n-Dotriacontane (C32)

R.T.: 19.084 min
Delta R.T.: 0.000 min
Response: 1384490
Conc: 11.09 ug/ml



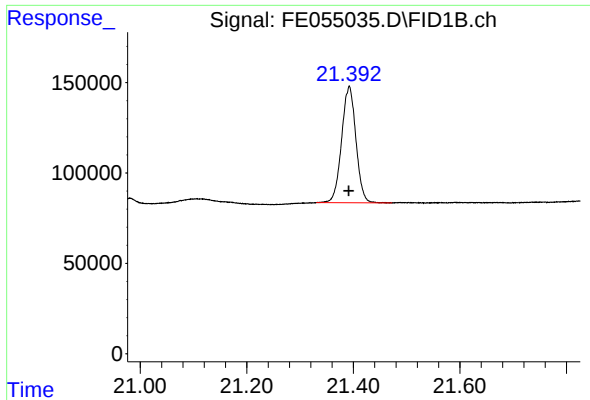
#19 n-Tetratriacontane (C34)

R.T.: 19.870 min
Delta R.T.: 0.001 min
Response: 1308689
Conc: 11.02 ug/ml



#20 n-Hexatriacontane (C36)

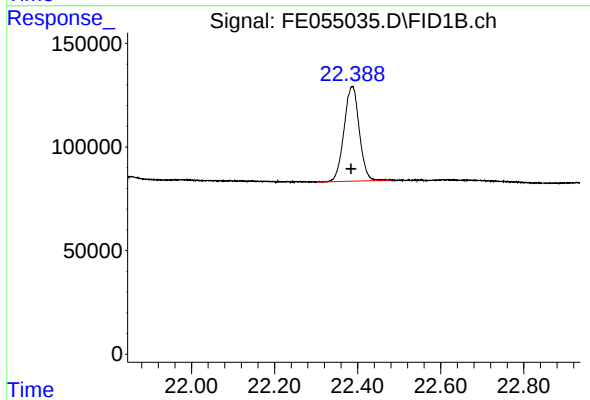
R.T.: 20.612 min
Delta R.T.: 0.001 min
Response: 1211437
Conc: 10.92 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.392 min
Delta R.T.: 0.000 min
Response: 1201420
Conc: 11.24 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4



#22 n-Tetracontane (C40)

R.T.: 22.387 min
Delta R.T.: 0.003 min
Response: 1168579
Conc: 10.90 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE072625AL\
 Data File : FE055035.D
 Signal(s) : FID1B.ch
 Acq On : 25 Jul 2025 21:50
 Sample : 10 PPM ALIPHATIC HC STD4
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 072625.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	3.424	3.394	3.480	BB	129978	1271562	81.92%	4.326%
2	4.683	4.652	4.734	BB	132823	1293740	83.35%	4.402%
3	6.403	6.369	6.484	BB	155021	1493091	96.19%	5.080%
4	6.859	6.805	6.920	BB	136243	1327875	85.54%	4.518%
5	7.504	7.454	7.577	BB	145601	1437457	92.60%	4.891%
6	8.696	8.544	8.777	BB	132206	1382541	89.07%	4.704%
7	10.311	10.267	10.387	BB	130524	1417845	91.34%	4.824%
8	11.760	11.717	11.812	BB	130579	1430704	92.17%	4.868%
9	12.087	12.029	12.147	BB	142348	1552269	100.00%	5.281%
10	13.075	13.019	13.125	BB	115043	1363620	87.85%	4.640%
11	13.523	13.455	13.585	BB	102255	1174594	75.67%	3.996%
12	13.689	13.657	13.744	PB	114239	1337951	86.19%	4.552%
13	14.277	14.190	14.344	BB	110706	1330009	85.68%	4.525%
14	15.384	15.297	15.435	BB	106315	1318361	84.93%	4.486%
15	16.407	16.322	16.447	BB	98128	1296444	83.52%	4.411%
16	17.361	17.275	17.410	BB	101359	1303983	84.00%	4.437%
17	18.250	18.177	18.312	BB	102074	1384259	89.18%	4.710%
18	19.084	19.000	19.134	BV	100301	1384490	89.19%	4.711%
19	19.870	19.800	19.907	BV	89241	1308689	84.31%	4.453%
20	20.612	20.570	20.650	BV	89027	1211437	78.04%	4.122%
21	21.392	21.330	21.472	BV	64681	1201420	77.40%	4.088%
22	22.387	22.300	22.482	BB	45727	1168579	75.28%	3.976%
Sum of corrected areas:							29390920	

Aliphatic EPH 072625.M Sat Jul 26 04:10:05 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE072625AL\
 Data File : FE055036.D
 Signal(s) : FID1B.ch
 Acq On : 25 Jul 2025 22:21
 Operator : YP\AJ
 Sample : 5 PPM ALIPHATIC HC STD5
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 5 PPM ALIPHATIC HC STD5

Integration File: autoint1.e
 Quant Time: Jul 26 03:49:28 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 072625.M
 Quant Title : GC Extractables
 QLast Update : Sat Jul 26 03:46:03 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)	12.086	816173	5.700 ug/ml
Spiked Amount 50.000		Recovery =	11.40%
12) S 1-chlorooctadecane (S...	13.523	614097	5.669 ug/ml
Spiked Amount 50.000		Recovery =	11.34%
Target Compounds			
1) T n-Nonane (C9)	3.425	675389	5.773 ug/ml
2) T n-Decane (C10)	4.683	685567	5.735 ug/ml
3) T A~Naphthalene (C11.7)	6.403	784195	5.680 ug/ml
4) T n-Dodecane (C12)	6.859	696348	5.679 ug/ml
5) T A~2-methylnaphthalene...	7.504	754429	5.632 ug/ml
6) T n-Tetradecane (C14)	8.696	744409	5.898 ug/ml
7) T n-Hexadecane (C16)	10.310	739777	5.685 ug/ml
8) T n-Octadecane (C18)	11.760	754575	5.739 ug/ml
10) T n-Eicosane (C20)	13.074	725965	5.781 ug/ml
11) T n-Heneicosane (C21)	13.688	702192	5.717 ug/ml
13) T n-Docosane (C22)	14.277	697095	5.720 ug/ml
14) T n-Tetracosane (C24)	15.383	695599	5.747 ug/ml
15) T n-Hexacosane (C26)	16.407	688383	5.768 ug/ml
16) T n-Octacosane (C28)	17.360	710850	5.968 ug/ml
17) T n-Tricontane (C30)	18.249	785841	6.278 ug/ml
18) T n-Dotriacontane (C32)	19.084	787460	6.309 ug/ml
19) T n-Tetratriacontane (C34)	19.869	739250	6.225 ug/ml
20) T n-Hexatriacontane (C36)	20.609	670586	6.046 ug/ml
21) T n-Octatriacontane (C38)	21.391	657558	6.153 ug/ml
22) T n-Tetracontane (C40)	22.381	621601	5.796 ug/ml

(f)=RT Delta > 1/2 Window

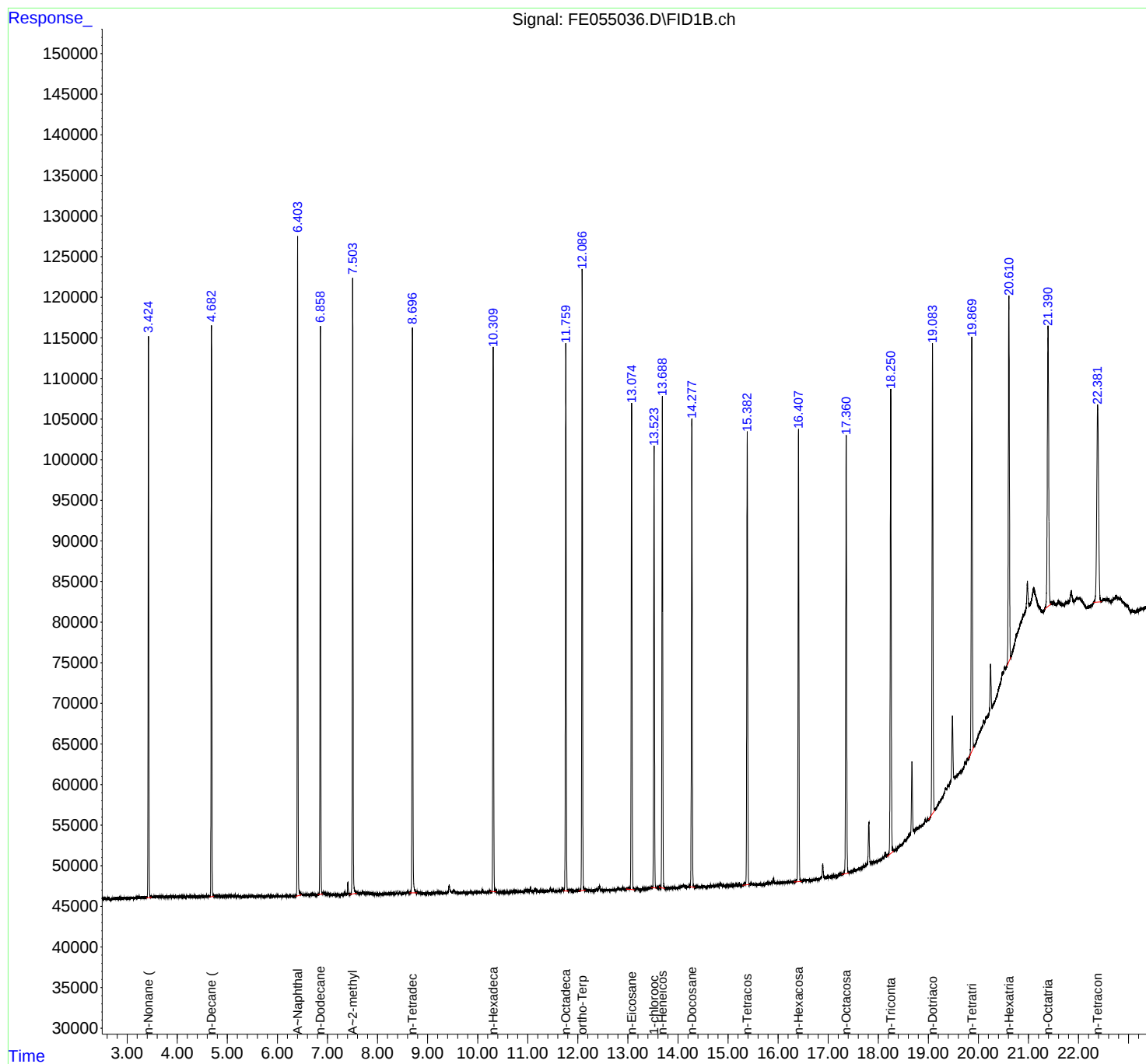
(m)=manual int.

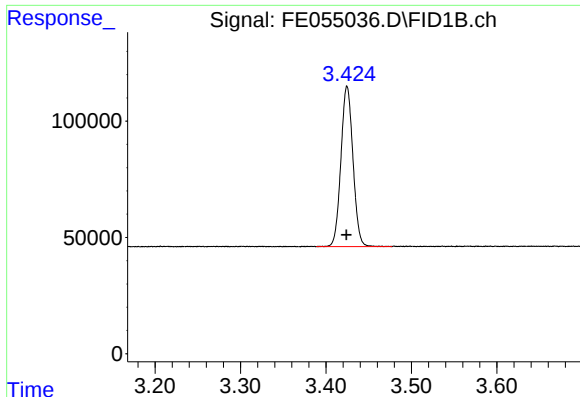
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE072625AL\
Data File : FE055036.D
Signal(s) : FID1B.ch
Acq On : 25 Jul 2025 22:21
Operator : YP\AJ
Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5

Integration File: autoint1.e
Quant Time: Jul 26 03:49:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 072625.M
Quant Title : GC Extractables
QLast Update : Sat Jul 26 03:46:03 2025
Response via : Initial Calibration
Integrator: ChemStation

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

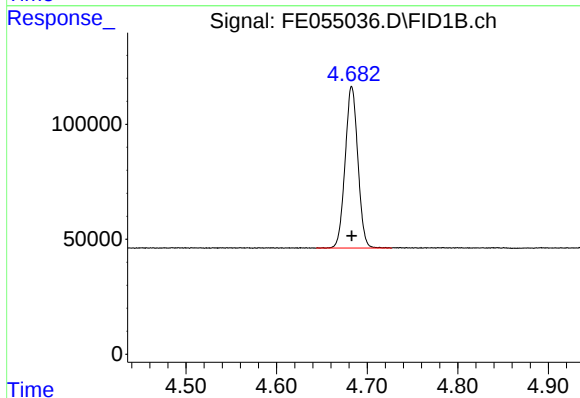




#1 n-Nonane (C9)

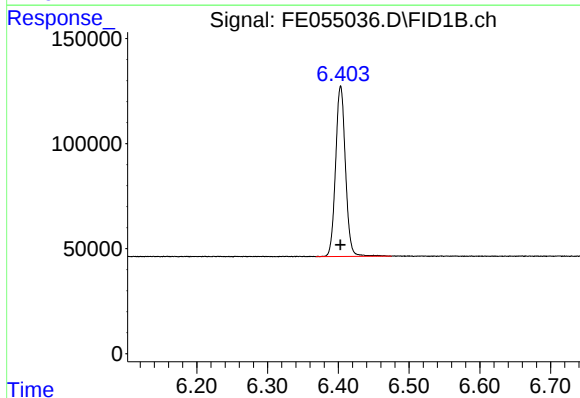
R.T.: 3.425 min
Delta R.T.: 0.000 min
Response: 675389
Conc: 5.77 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5



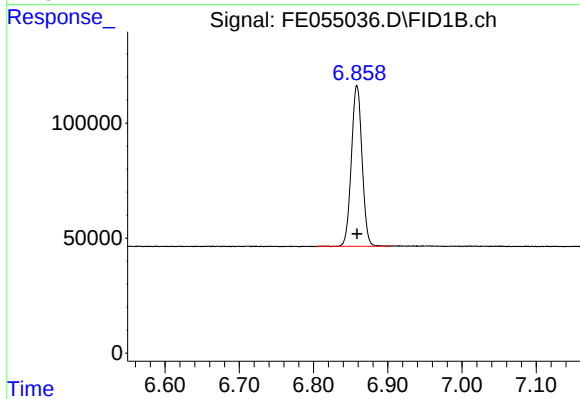
#2 n-Decane (C10)

R.T.: 4.683 min
Delta R.T.: 0.000 min
Response: 685567
Conc: 5.73 ug/ml



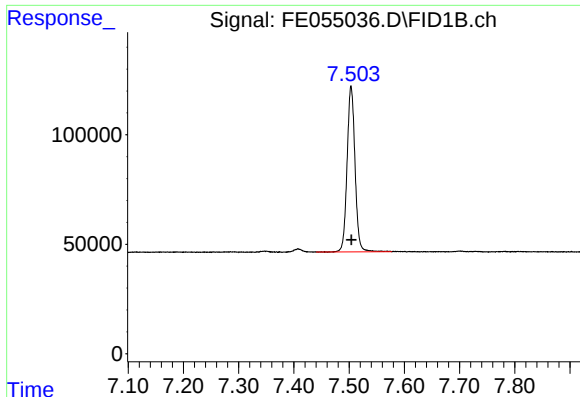
#3 A~Naphthalene (C11.7)

R.T.: 6.403 min
Delta R.T.: 0.000 min
Response: 784195
Conc: 5.68 ug/ml



#4 n-Dodecane (C12)

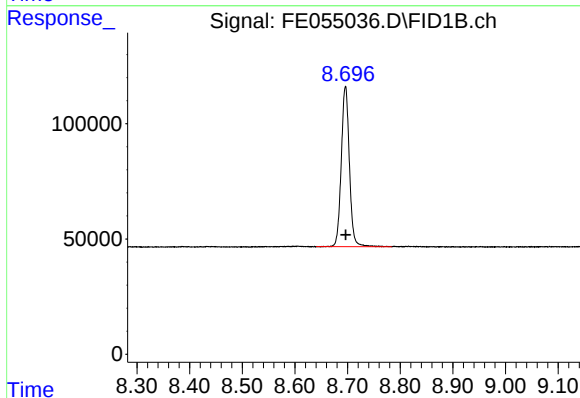
R.T.: 6.859 min
Delta R.T.: 0.000 min
Response: 696348
Conc: 5.68 ug/ml



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

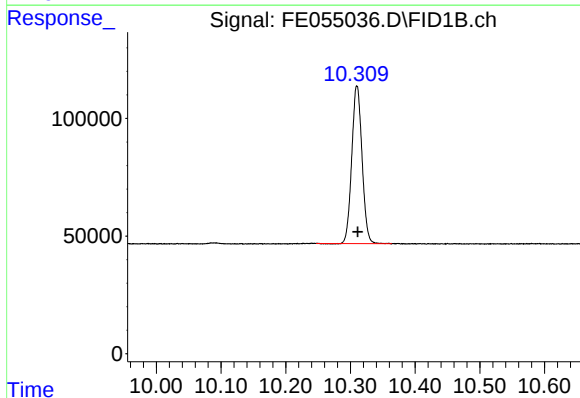
R.T.: 7.504 min
Delta R.T.: 0.000 min
Response: 754429
Conc: 5.63 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5



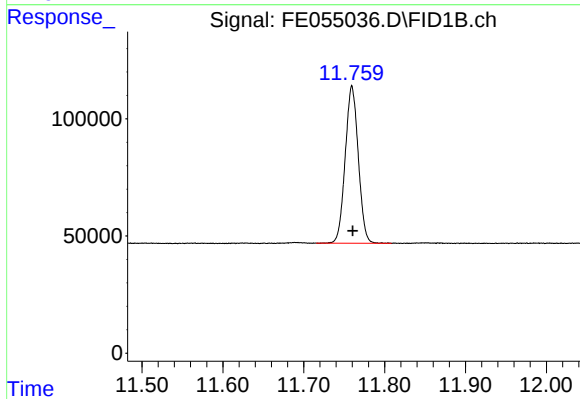
#6 n-Tetradecane (C14)

R.T.: 8.696 min
Delta R.T.: 0.000 min
Response: 744409
Conc: 5.90 ug/ml



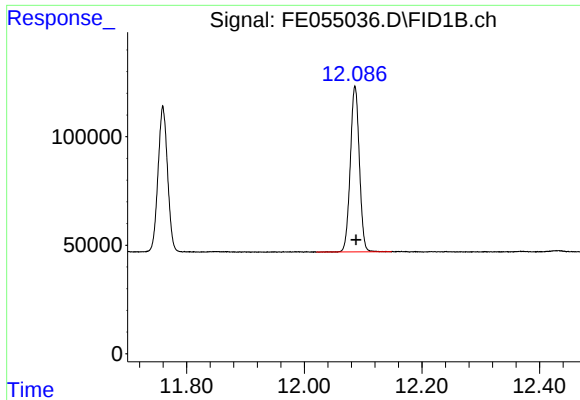
#7 n-Hexadecane (C16)

R.T.: 10.310 min
Delta R.T.: -0.001 min
Response: 739777
Conc: 5.68 ug/ml



#8 n-Octadecane (C18)

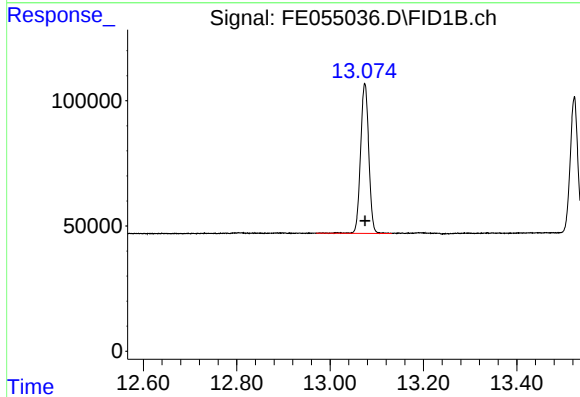
R.T.: 11.760 min
Delta R.T.: 0.000 min
Response: 754575
Conc: 5.74 ug/ml



#9 ortho-Terphenyl (SURR)

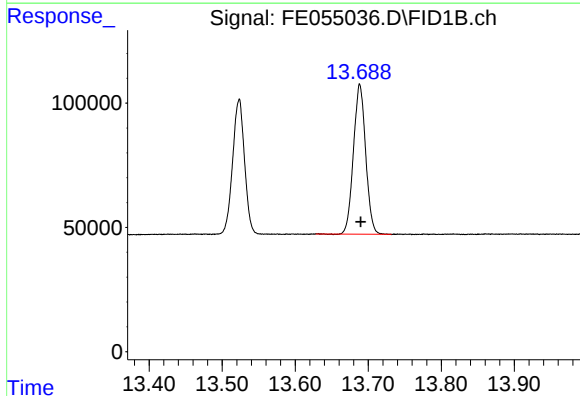
R.T.: 12.086 min
Delta R.T.: -0.002 min
Response: 816173
Conc: 5.70 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5



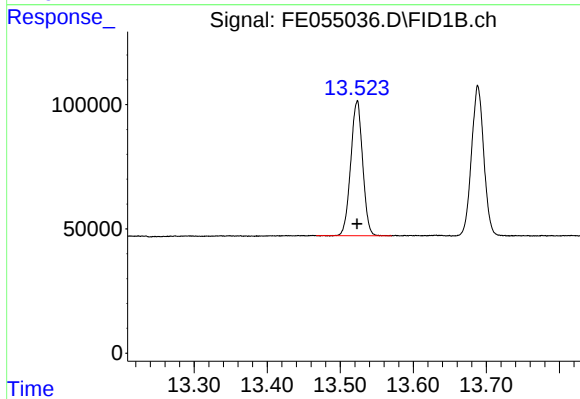
#10 n-Eicosane (C20)

R.T.: 13.074 min
Delta R.T.: 0.000 min
Response: 725965
Conc: 5.78 ug/ml



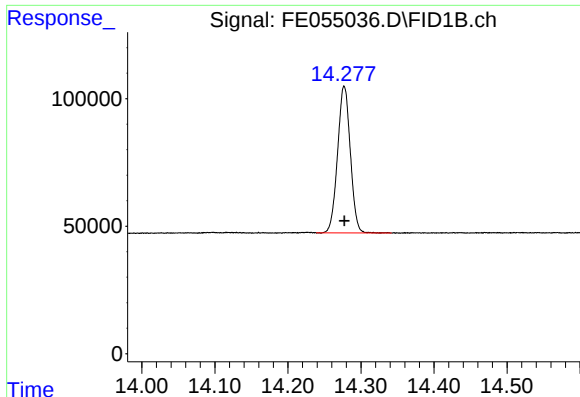
#11 n-Heneicosane (C21)

R.T.: 13.688 min
Delta R.T.: -0.001 min
Response: 702192
Conc: 5.72 ug/ml



#12 1-chlorooctadecane (SURR)

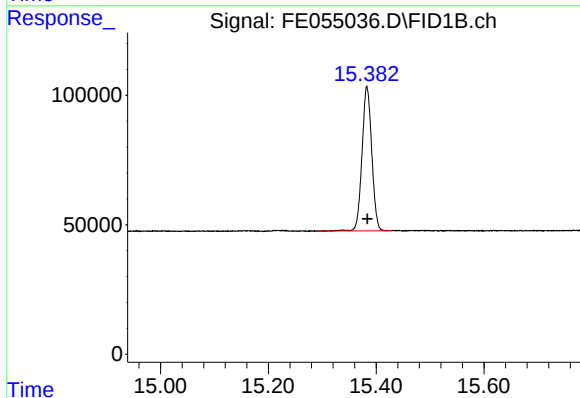
R.T.: 13.523 min
Delta R.T.: 0.000 min
Response: 614097
Conc: 5.67 ug/ml



#13 n-Docosane (C22)

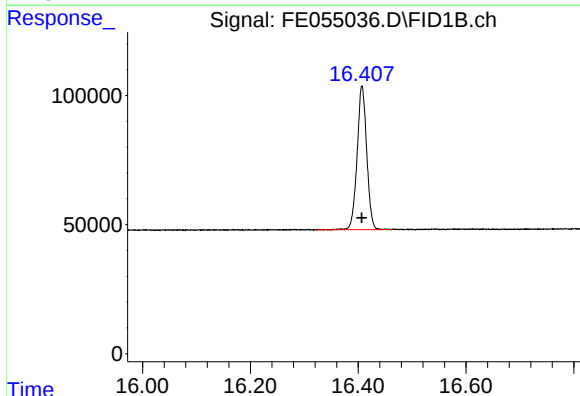
R.T.: 14.277 min
Delta R.T.: 0.000 min
Response: 697095
Conc: 5.72 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5



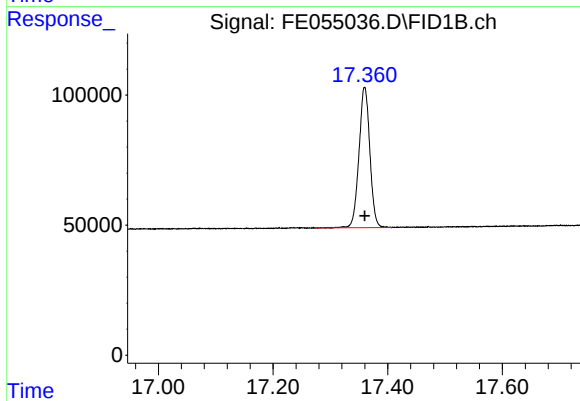
#14 n-Tetracosane (C24)

R.T.: 15.383 min
Delta R.T.: 0.000 min
Response: 695599
Conc: 5.75 ug/ml



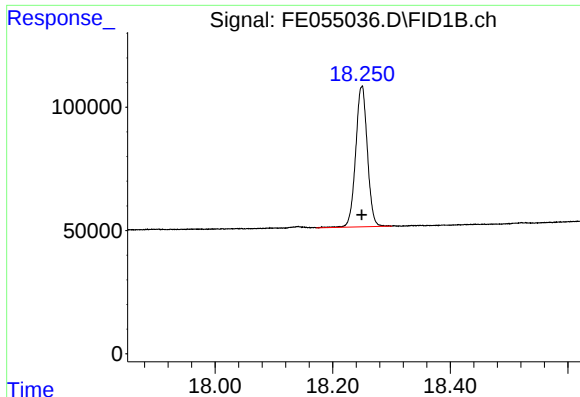
#15 n-Hexacosane (C26)

R.T.: 16.407 min
Delta R.T.: 0.000 min
Response: 688383
Conc: 5.77 ug/ml



#16 n-Octacosane (C28)

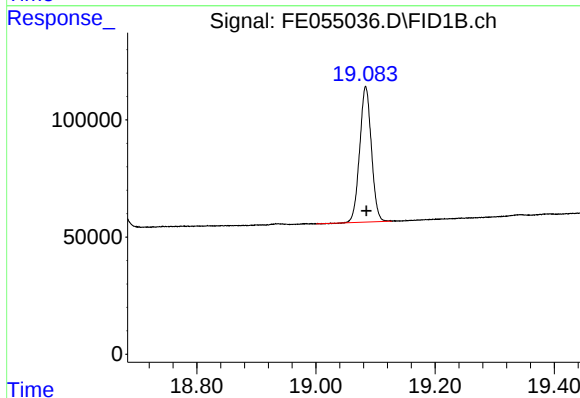
R.T.: 17.360 min
Delta R.T.: 0.000 min
Response: 710850
Conc: 5.97 ug/ml



#17 n-Tricontane (C30)

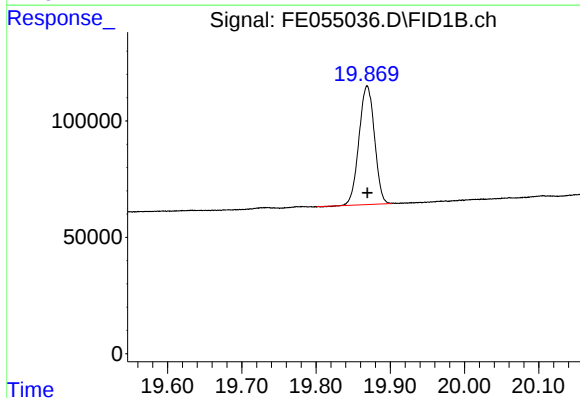
R.T.: 18.249 min
Delta R.T.: 0.000 min
Response: 785841
Conc: 6.28 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5



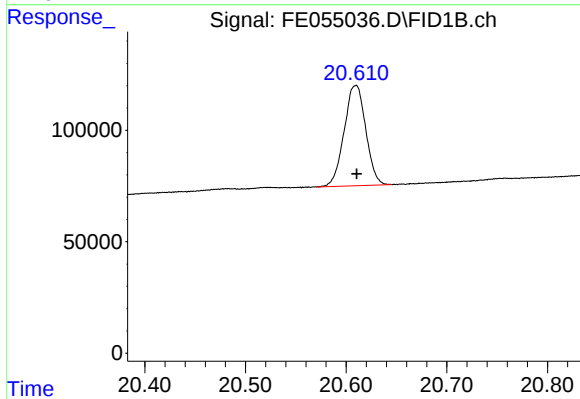
#18 n-Dotriacontane (C32)

R.T.: 19.084 min
Delta R.T.: -0.001 min
Response: 787460
Conc: 6.31 ug/ml



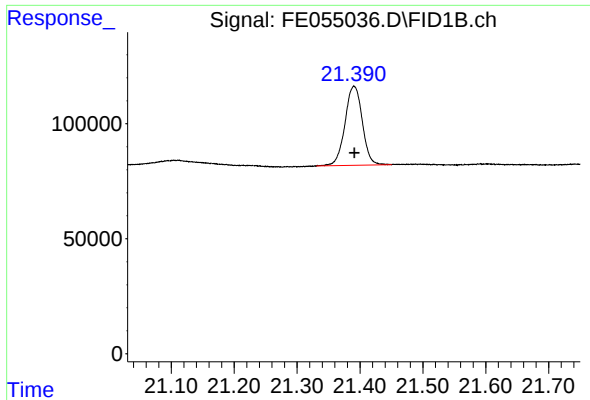
#19 n-Tetratriacontane (C34)

R.T.: 19.869 min
Delta R.T.: 0.000 min
Response: 739250
Conc: 6.23 ug/ml



#20 n-Hexatriacontane (C36)

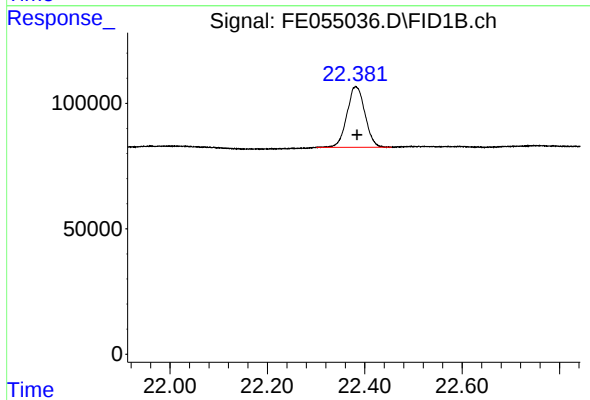
R.T.: 20.609 min
Delta R.T.: -0.001 min
Response: 670586
Conc: 6.05 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.391 min
Delta R.T.: 0.000 min
Response: 657558
Conc: 6.15 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5



#22 n-Tetracontane (C40)

R.T.: 22.381 min
Delta R.T.: -0.003 min
Response: 621601
Conc: 5.80 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE072625AL\
 Data File : FE055036.D
 Signal(s) : FID1B.ch
 Acq On : 25 Jul 2025 22:21
 Sample : 5 PPM ALIPHATIC HC STD5
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 072625.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	3.425	3.389	3.477	BB	68923	675389	82.75%	4.289%
2	4.683	4.644	4.727	BB	70112	685567	84.00%	4.354%
3	6.403	6.369	6.475	BB	81200	784195	96.08%	4.980%
4	6.859	6.804	6.905	BB	69903	696348	85.32%	4.422%
5	7.504	7.440	7.577	BB	75613	754429	92.43%	4.791%
6	8.696	8.640	8.784	BB	69410	744409	91.21%	4.727%
7	10.310	10.247	10.364	BB	67016	739777	90.64%	4.698%
8	11.760	11.715	11.809	BB	66947	754575	92.45%	4.792%
9	12.086	12.020	12.149	BB	76319	816173	100.00%	5.183%
10	13.074	12.970	13.132	BB	59815	725965	88.95%	4.610%
11	13.523	13.467	13.570	BB	54579	614097	75.24%	3.900%
12	13.688	13.629	13.732	BB	60346	702192	86.03%	4.459%
13	14.277	14.239	14.342	BB	57514	697095	85.41%	4.427%
14	15.383	15.289	15.429	BB	55326	695599	85.23%	4.417%
15	16.407	16.322	16.462	BB	55613	688383	84.34%	4.371%
16	17.360	17.275	17.407	BB	53969	710850	87.10%	4.514%
17	18.249	18.172	18.300	BB	56896	785841	96.28%	4.990%
18	19.084	19.000	19.127	BV	57837	787460	96.48%	5.001%
19	19.869	19.800	19.902	BV	51085	739250	90.58%	4.694%
20	20.609	20.570	20.645	BV	44943	670586	82.16%	4.258%
21	21.391	21.330	21.450	BB	34448	657558	80.57%	4.176%
22	22.381	22.300	22.455	BB	24182	621601	76.16%	3.947%
Sum of corrected areas:							15747337	

Aliphatic EPH 072625.M Sat Jul 26 04:10:37 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE072625AL\
 Data File : FE055037.D
 Signal(s) : FID1B.ch
 Acq On : 25 Jul 2025 22:51
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD ICV
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD ICV

Integration File: autoint1.e
 Quant Time: Jul 26 03:57:02 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 072625.M
 Quant Title : GC Extractables
 QLast Update : Sat Jul 26 03:55:28 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)	12.087	2718598	18.366 ug/ml
Spiked Amount 50.000		Recovery =	36.73%
12) S 1-chlorooctadecane (S...	13.524	2050203	18.308 ug/ml
Spiked Amount 50.000		Recovery =	36.62%
Target Compounds			
1) T n-Nonane (C9)	3.424	2233144	18.394 ug/ml
2) T n-Decane (C10)	4.683	2280444	18.424 ug/ml
3) T A~Naphthalene (C11.7)	6.403	2646080	18.591 ug/ml
4) T n-Dodecane (C12)	6.858	2345831	18.508 ug/ml
5) T A~2-methylnaphthalene...	7.504	2568604	18.589 ug/ml
6) T n-Tetradecane (C14)	8.696	2427981	18.491 ug/ml
7) T n-Hexadecane (C16)	10.311	2488687	18.500 ug/ml
8) T n-Octadecane (C18)	11.760	2505819	18.411 ug/ml
10) T n-Eicosane (C20)	13.075	2382077	18.305 ug/ml
11) T n-Heneicosane (C21)	13.690	2330891	18.329 ug/ml
13) T n-Docosane (C22)	14.278	2299898	18.226 ug/ml
14) T n-Tetracosane (C24)	15.384	2291832	18.287 ug/ml
15) T n-Hexacosane (C26)	16.407	2253974	18.244 ug/ml
16) T n-Octacosane (C28)	17.359	2232100	18.006 ug/ml
17) T n-Tricontane (C30)	18.249	2292352	17.493 ug/ml
18) T n-Dotriacontane (C32)	19.084	2243730	17.209 ug/ml
19) T n-Tetratriacontane (C34)	19.869	2165211	17.465 ug/ml
20) T n-Hexatriacontane (C36)	20.611	2023333	17.613 ug/ml
21) T n-Octatriacontane (C38)	21.391	1974603	17.569 ug/ml
22) T n-Tetracontane (C40)	22.385	1955225	17.732 ug/ml

(f)=RT Delta > 1/2 Window

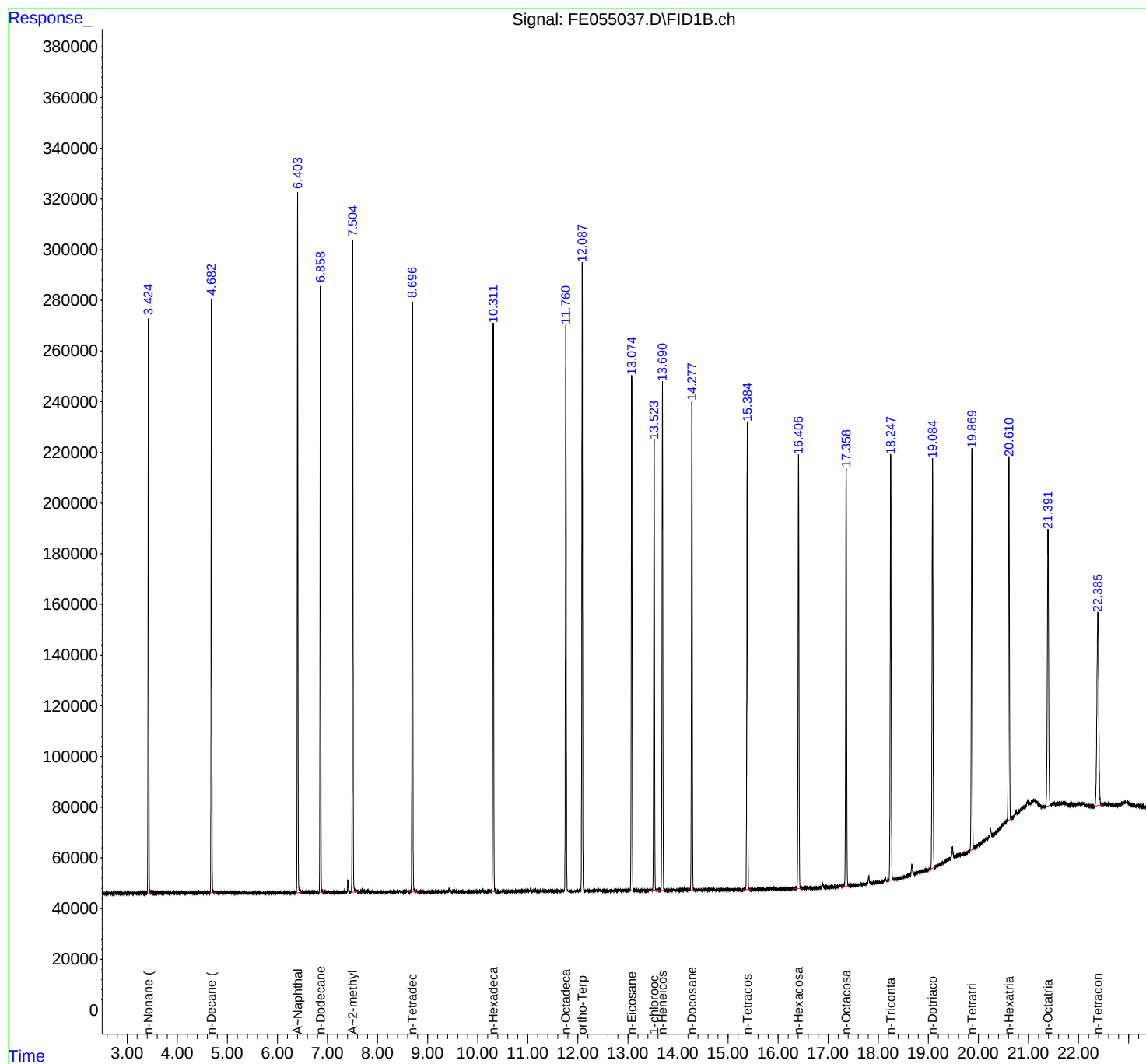
(m)=manual int.

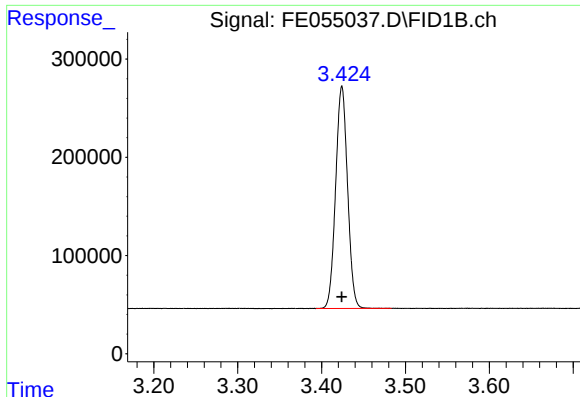
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE072625AL\
Data File : FE055037.D
Signal(s) : FID1B.ch
Acq On : 25 Jul 2025 22:51
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD ICV
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV

Integration File: autoint1.e
Quant Time: Jul 26 03:57:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 072625.M
Quant Title : GC Extractables
QLast Update : Sat Jul 26 03:55:28 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)

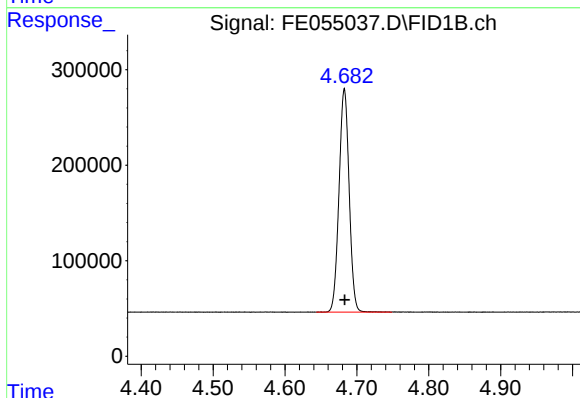
R.T.: 3.424 min
Delta R.T.: 0.000 min
Response: 2233144
Conc: 18.39 ug/ml

Instrument :

FID_E

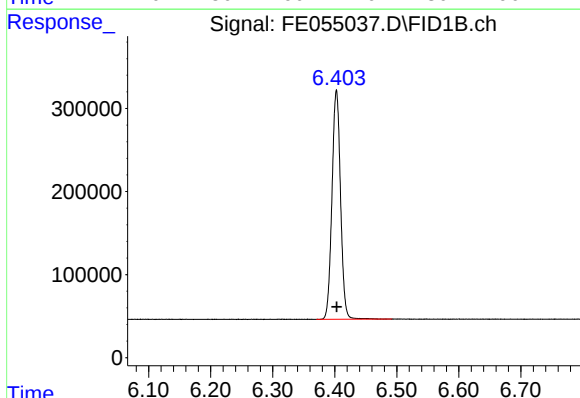
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



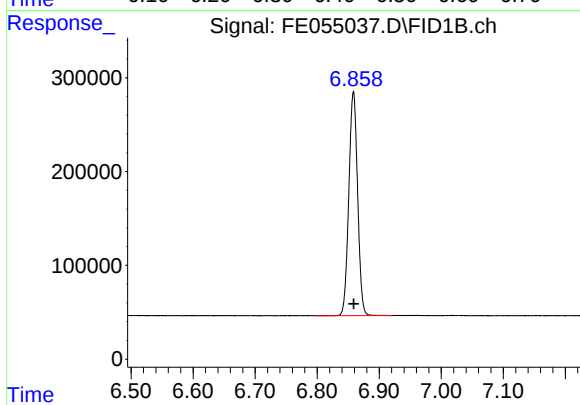
#2 n-Decane (C10)

R.T.: 4.683 min
Delta R.T.: 0.000 min
Response: 2280444
Conc: 18.42 ug/ml



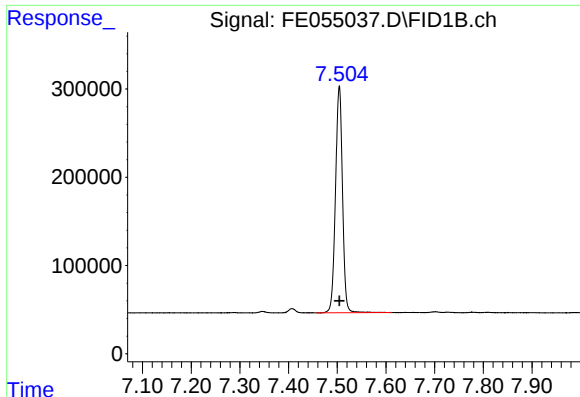
#3 A~Naphthalene (C11.7)

R.T.: 6.403 min
Delta R.T.: 0.000 min
Response: 2646080
Conc: 18.59 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.858 min
Delta R.T.: 0.000 min
Response: 2345831
Conc: 18.51 ug/ml



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

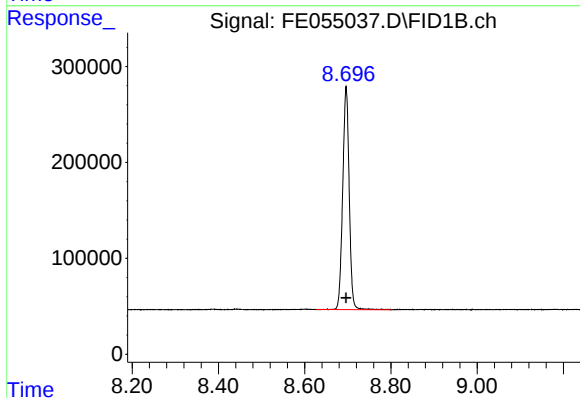
R.T.: 7.504 min
Delta R.T.: 0.000 min
Response: 2568604
Conc: 18.59 ug/ml

Instrument :

FID_E

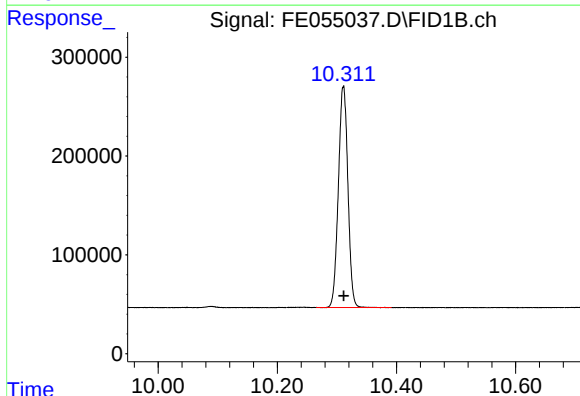
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



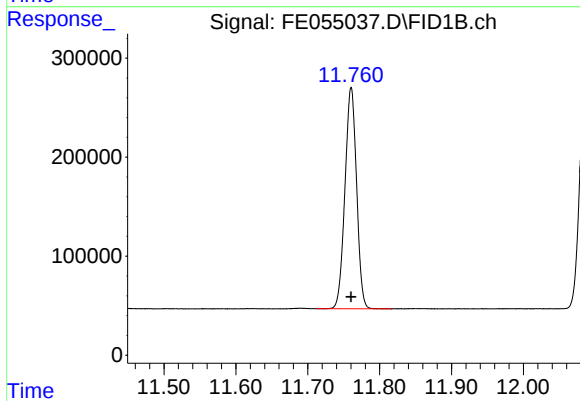
#6 n-Tetradecane (C14)

R.T.: 8.696 min
Delta R.T.: 0.000 min
Response: 2427981
Conc: 18.49 ug/ml



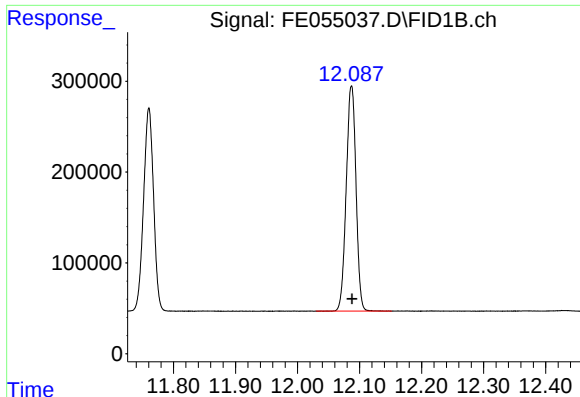
#7 n-Hexadecane (C16)

R.T.: 10.311 min
Delta R.T.: 0.000 min
Response: 2488687
Conc: 18.50 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.760 min
Delta R.T.: 0.000 min
Response: 2505819
Conc: 18.41 ug/ml



#9 ortho-Terphenyl (SURR)

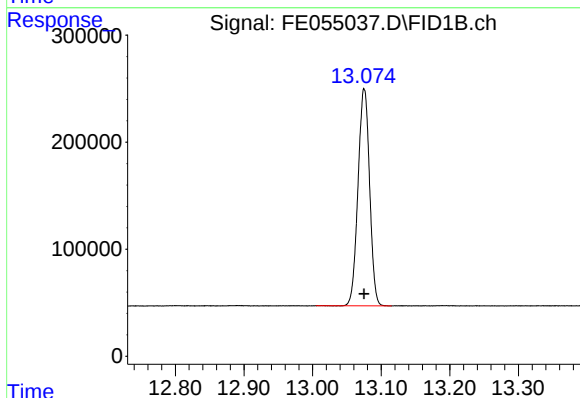
R.T.: 12.087 min
Delta R.T.: 0.000 min
Response: 2718598
Conc: 18.37 ug/ml

Instrument :

FID_E

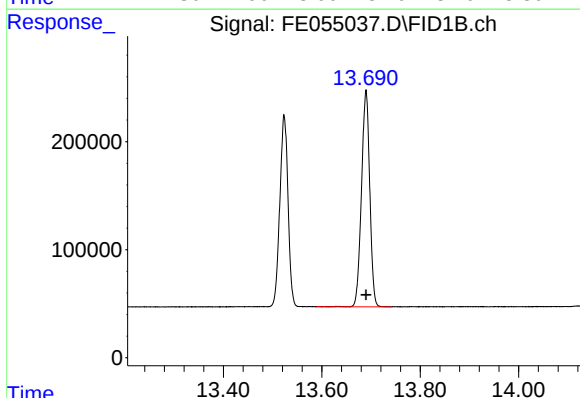
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



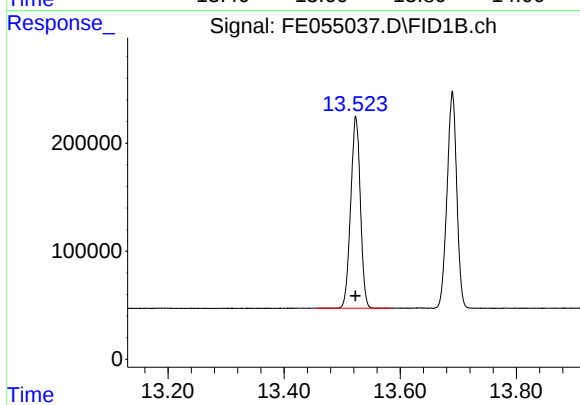
#10 n-Eicosane (C20)

R.T.: 13.075 min
Delta R.T.: 0.000 min
Response: 2382077
Conc: 18.30 ug/ml



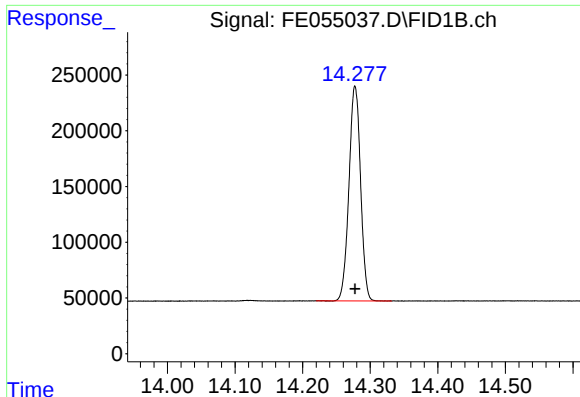
#11 n-Heneicosane (C21)

R.T.: 13.690 min
Delta R.T.: 0.000 min
Response: 2330891
Conc: 18.33 ug/ml



#12 1-chlorooctadecane (SURR)

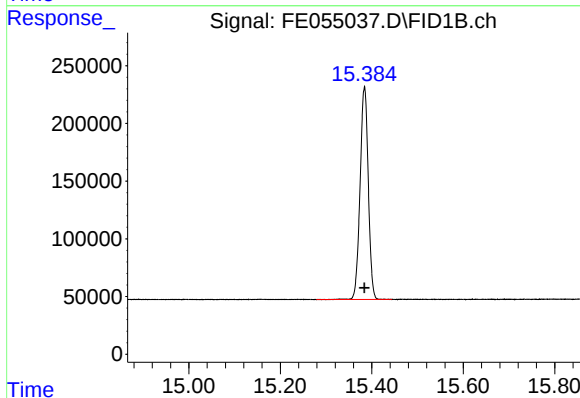
R.T.: 13.524 min
Delta R.T.: 0.000 min
Response: 2050203
Conc: 18.31 ug/ml



#13 n-Docosane (C22)

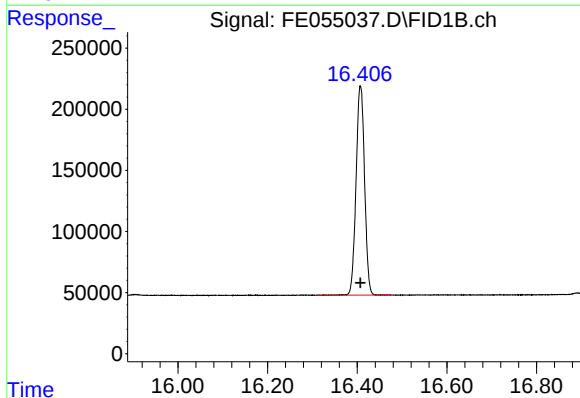
R.T.: 14.278 min
Delta R.T.: 0.000 min
Response: 2299898
Conc: 18.23 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



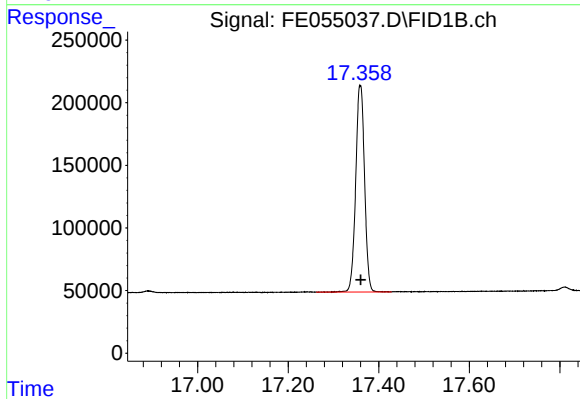
#14 n-Tetracosane (C24)

R.T.: 15.384 min
Delta R.T.: 0.000 min
Response: 2291832
Conc: 18.29 ug/ml



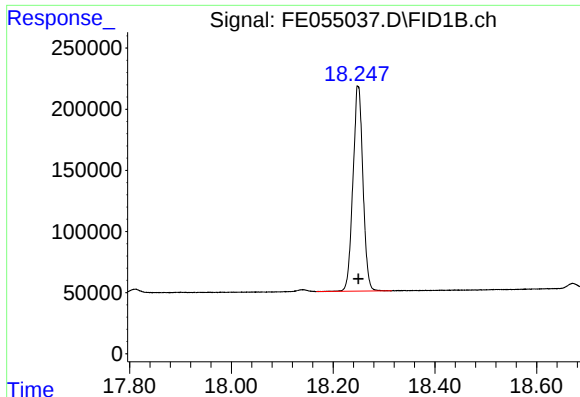
#15 n-Hexacosane (C26)

R.T.: 16.407 min
Delta R.T.: 0.000 min
Response: 2253974
Conc: 18.24 ug/ml



#16 n-Octacosane (C28)

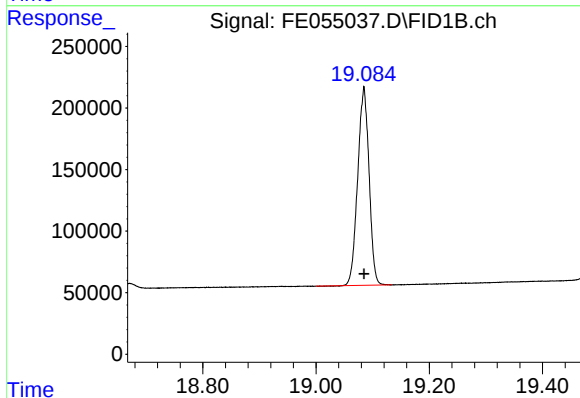
R.T.: 17.359 min
Delta R.T.: 0.000 min
Response: 2232100
Conc: 18.01 ug/ml



#17 n-Tricontane (C30)

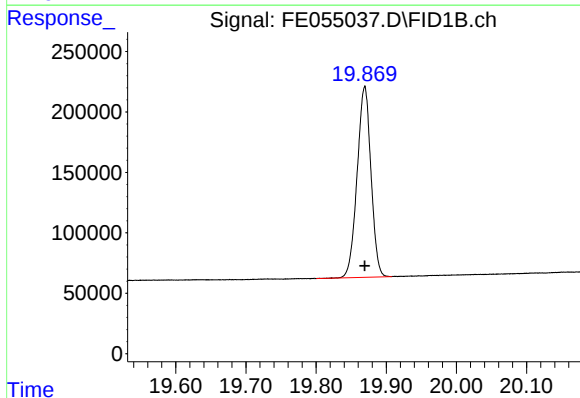
R.T.: 18.249 min
Delta R.T.: 0.000 min
Response: 2292352
Conc: 17.49 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



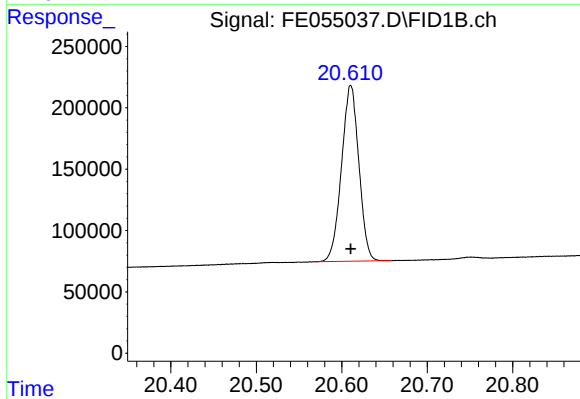
#18 n-Dotriacontane (C32)

R.T.: 19.084 min
Delta R.T.: 0.000 min
Response: 2243730
Conc: 17.21 ug/ml



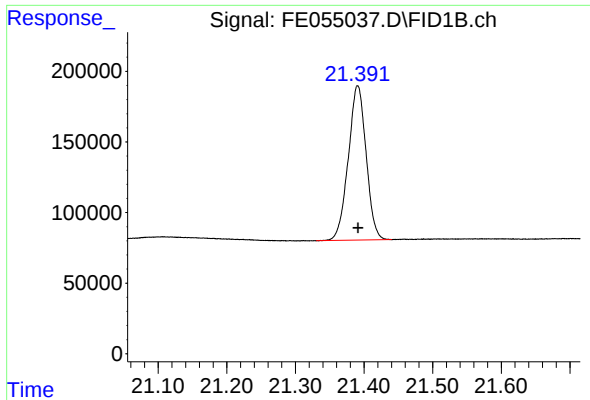
#19 n-Tetratriacontane (C34)

R.T.: 19.869 min
Delta R.T.: 0.000 min
Response: 2165211
Conc: 17.47 ug/ml



#20 n-Hexatriacontane (C36)

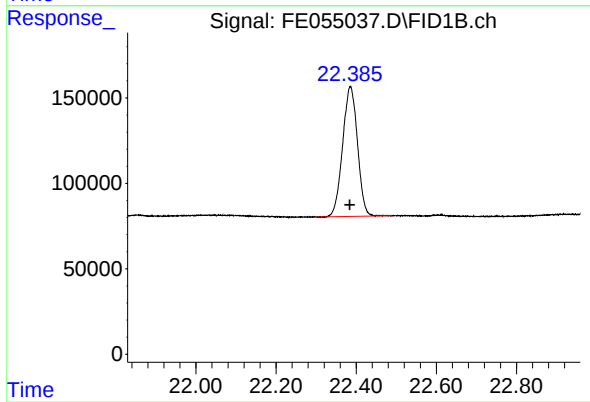
R.T.: 20.611 min
Delta R.T.: 0.000 min
Response: 2023333
Conc: 17.61 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.391 min
Delta R.T.: 0.000 min
Response: 1974603
Conc: 17.57 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



#22 n-Tetracontane (C40)

R.T.: 22.385 min
Delta R.T.: 0.001 min
Response: 1955225
Conc: 17.73 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE072625AL\
Data File : FE055037.D
Signal(s) : FID1B.ch
Acq On : 25 Jul 2025 22:51
Sample : 20 PPM ALIPHATIC HC STD ICV
Misc :
ALS Vial : 22 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 072625.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	3.424	3.393	3.483	BB	225862	2233144	82.14%	4.404%
2	4.683	4.643	4.748	BB	233828	2280444	83.88%	4.497%
3	6.403	6.370	6.492	BB	276327	2646080	97.33%	5.218%
4	6.858	6.798	6.920	BB	238807	2345831	86.29%	4.626%
5	7.504	7.457	7.612	BB	256447	2568604	94.48%	5.065%
6	8.696	8.627	8.802	BB	231358	2427981	89.31%	4.788%
7	10.311	10.265	10.392	BB	225289	2488687	91.54%	4.908%
8	11.760	11.712	11.817	BB	223737	2505819	92.17%	4.941%
9	12.087	12.030	12.152	BB	247891	2718598	100.00%	5.361%
10	13.075	13.005	13.115	BB	203007	2382077	87.62%	4.697%
11	13.524	13.455	13.585	BB	177341	2050203	75.41%	4.043%
12	13.690	13.588	13.742	BB	201015	2330891	85.74%	4.596%
13	14.278	14.220	14.332	BB	192275	2299898	84.60%	4.535%
14	15.384	15.278	15.443	BB	183463	2291832	84.30%	4.519%
15	16.407	16.308	16.477	BB	171062	2253974	82.91%	4.445%
16	17.359	17.262	17.428	BV	165124	2232100	82.10%	4.402%
17	18.249	18.167	18.315	PB	167277	2292352	84.32%	4.520%
18	19.084	19.000	19.133	BV	162373	2243730	82.53%	4.425%
19	19.869	19.800	19.908	BV	157464	2165211	79.64%	4.270%
20	20.611	20.570	20.658	BV	143503	2023333	74.43%	3.990%
21	21.391	21.330	21.440	BV	109416	1974603	72.63%	3.894%
22	22.385	22.300	22.488	BB	76126	1955225	71.92%	3.856%
Sum of corrected areas:							50710616	

Aliphatic EPH 072625.M Sat Jul 26 04:11:06 2025