

Initial Calibration Report for SequenceID : FE080125AL

AreaCount

Parameter Range	FE055102.D	FE055103.D	FE055104.D	FE055105.D	FE055106.D	
Aliphatic C9-C12	32408754.000	16891181.000	7003710.000	3577317.000	1909553.000	
Aliphatic C12-C16	23084106.000	11985802.000	4993920.000	2562730.000	1378723.000	
Aliphatic C16-C21	35136636.000	18127790.000	7566457.000	3893517.000	2072383.000	
Aliphatic C21-C28	44556926.000	23024093.000	9601695.000	4948829.000	2645478.000	
Aliphatic C28-C40	61529999.000	31908743.000	13279856.000	7025222.000	3998130.000	
Aliphatic EPH	196716421.000	101937609.000	42445638.000	22007615.000	12004267.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aliphatic C9-C12	116782.5973332	6.216				
Aliphatic C12-C16	125227.07	6.84				
Aliphatic C16-C21	126404.887333	6.459				
Aliphatic C21-C28	120505.7185	6.705				
Aliphatic C28-C40	113987.1949996	10.577				
Aliphatic EPH	119220.1465552	7.797				

Concentration

Parameter Range	FE055102.D	FE055103.D	FE055104.D	FE055105.D	FE055106.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	FE055102.D	FE055103.D	FE055104.D	FE055105.D	FE055106.D	
Aliphatic C9-C12	108029.180000	112607.873333	116728.500000	119243.900000	127303.533333	
Aliphatic C12-C16	115420.530000	119858.020000	124848.000000	128136.500000	137872.300000	
Aliphatic C16-C21	117122.120000	120851.933333	126107.616666	129783.900000	138158.866666	

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Aliphatic C21-C28	111392.315000	115120.465000	120021.187500	123720.725000	132273.900000	
Aliphatic C28-C40	102549.998333	106362.476666	110665.466666	117087.033333	133271.000000	
Aliphatic EPH	109286.900555	113264.010000	117904.550000	122264.527777	133380.744444	

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE080125AL\
 Data File : FE055102.D
 Signal(s) : FID1B.ch
 Acq On : 01 Aug 2025 11:24
 Operator : YP\AJ
 Sample : 100 PPM ALIPHATIC HC STD1
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 100 PPM ALIPHATIC HC STD1

Integration File: autoint1.e
 Quant Time: Aug 01 12:58:47 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 01 12:56:55 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)	12.095	13258959	96.436 ug/ml
Spiked Amount 50.000		Recovery =	192.87%
12) S 1-chlorooctadecane (S...	13.529	10060078	96.779 ug/ml
Spiked Amount 50.000		Recovery =	193.56%
Target Compounds			
1) T n-Nonane (C9)	3.426	10566449	95.907 ug/ml
2) T n-Decane (C10)	4.686	10785569	96.140 ug/ml
3) T A~Naphthalene (C11.7)	6.406	12473805	96.312 ug/ml
4) T n-Dodecane (C12)	6.863	11056736	96.333 ug/ml
5) T A~2-methylnaphthalene...	7.509	12240152	96.717 ug/ml
6) T n-Tetradecane (C14)	8.700	11258265	95.907 ug/ml
7) T n-Hexadecane (C16)	10.316	11825841	96.238 ug/ml
8) T n-Octadecane (C18)	11.768	12080672	96.276 ug/ml
10) T n-Eicosane (C20)	13.081	11630709	96.308 ug/ml
11) T n-Heneicosane (C21)	13.696	11425255	96.335 ug/ml
13) T n-Docosane (C22)	14.284	11344173	96.437 ug/ml
14) T n-Tetracosane (C24)	15.391	11250576	96.251 ug/ml
15) T n-Hexacosane (C26)	16.414	11078971	96.324 ug/ml
16) T n-Octacosane (C28)	17.367	10883206	96.067 ug/ml
17) T n-Tricontane (C30)	18.257	11064265	95.655 ug/ml
18) T n-Dotriacontane (C32)	19.090	10837325	95.887 ug/ml
19) T n-Tetratriacontane (C34)	19.876	10452018	96.017 ug/ml
20) T n-Hexatriacontane (C36)	20.616	9856874	96.586 ug/ml
21) T n-Octatriacontane (C38)	21.400	9704662	96.195 ug/ml
22) T n-Tetracontane (C40)	22.396	9614855	96.961 ug/ml

(f)=RT Delta > 1/2 Window

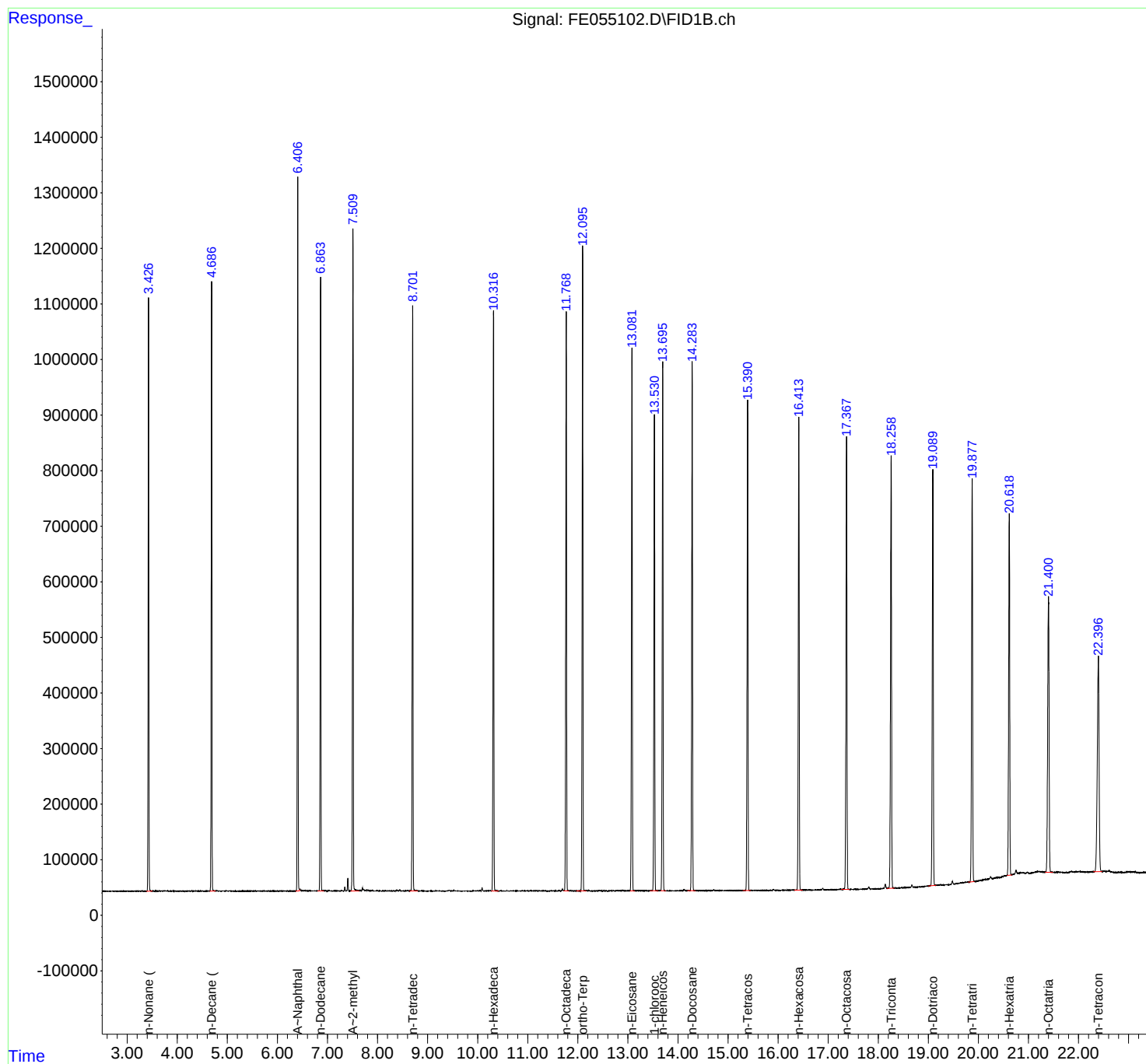
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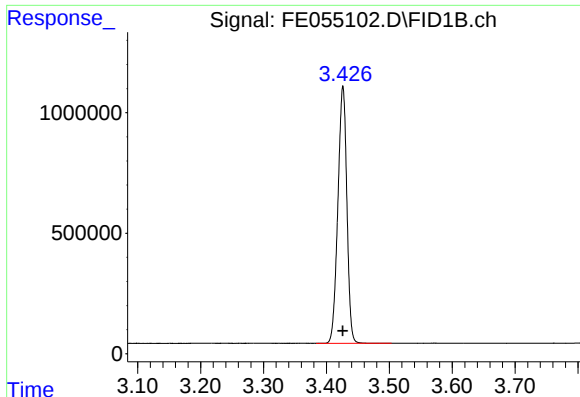
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Data File : FE055102.D
Signal(s) : FID1B.ch
Acq On : 01 Aug 2025 11:24
Operator : YP\AJ
Sample : 100 PPM ALIPHATIC HC STD1
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1

Integration File: autoint1.e
Quant Time: Aug 01 12:58:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 12:56:55 2025
Response via : Initial Calibration
Integrator: ChemStation

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

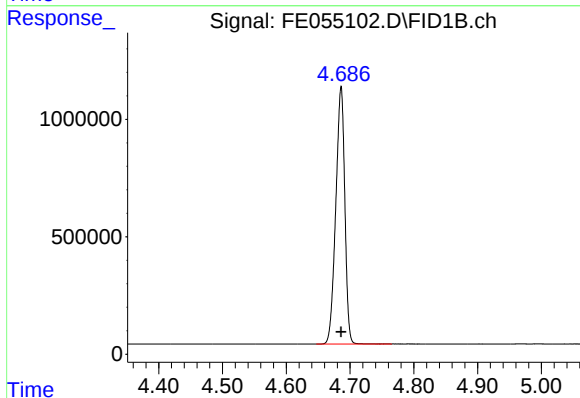




#1 n-Nonane (C9)

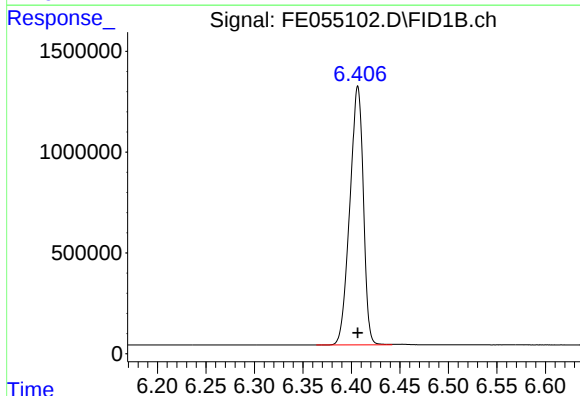
R.T.: 3.426 min
Delta R.T.: 0.000 min
Response: 10566449
Conc: 95.91 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



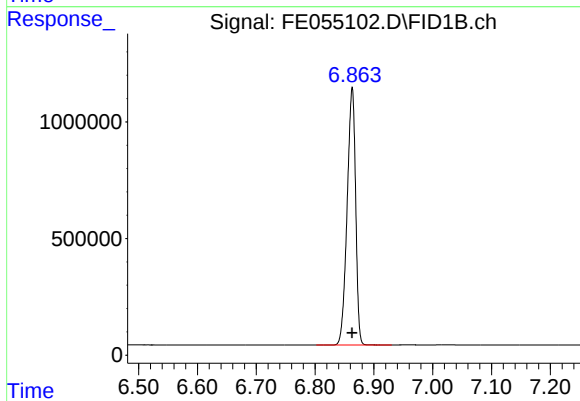
#2 n-Decane (C10)

R.T.: 4.686 min
Delta R.T.: 0.000 min
Response: 10785569
Conc: 96.14 ug/ml



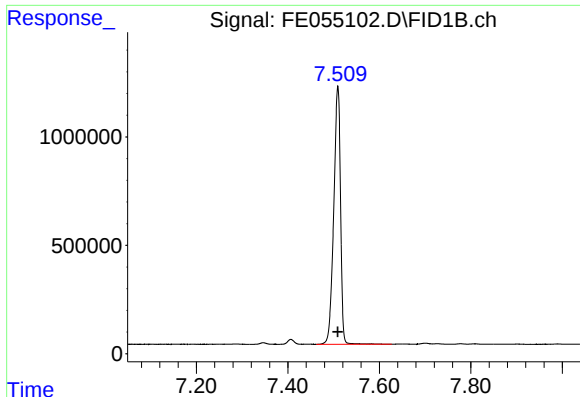
#3 A~Naphthalene (C11.7)

R.T.: 6.406 min
Delta R.T.: 0.000 min
Response: 12473805
Conc: 96.31 ug/ml



#4 n-Dodecane (C12)

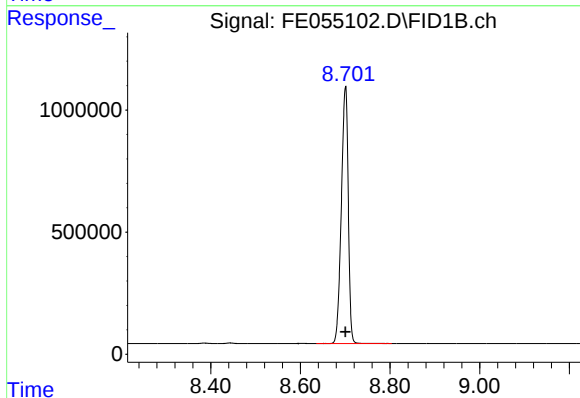
R.T.: 6.863 min
Delta R.T.: 0.000 min
Response: 11056736
Conc: 96.33 ug/ml



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

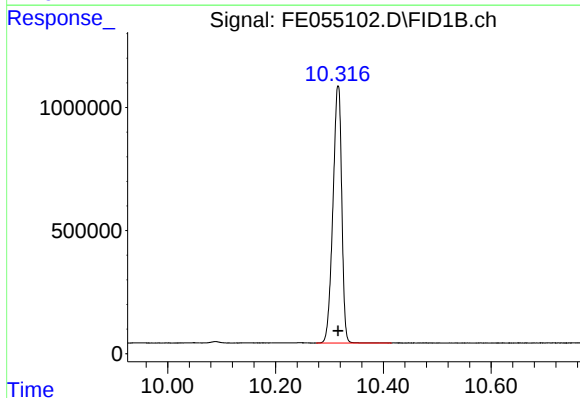
R.T.: 7.509 min
Delta R.T.: 0.000 min
Response: 12240152
Conc: 96.72 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



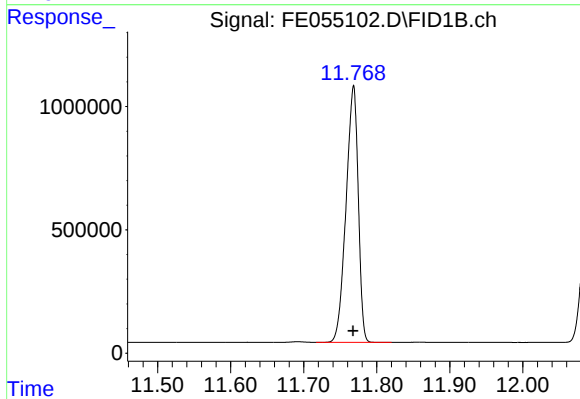
#6 n-Tetradecane (C14)

R.T.: 8.700 min
Delta R.T.: 0.000 min
Response: 11258265
Conc: 95.91 ug/ml



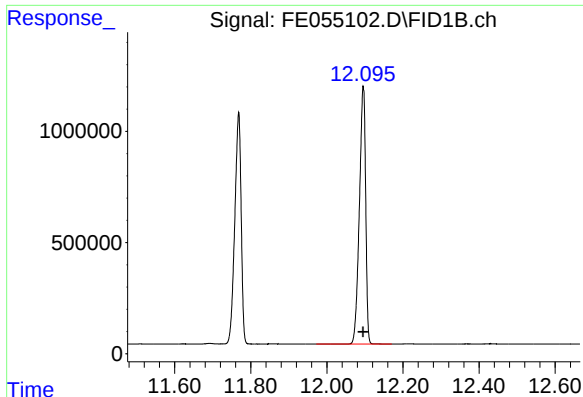
#7 n-Hexadecane (C16)

R.T.: 10.316 min
Delta R.T.: 0.000 min
Response: 11825841
Conc: 96.24 ug/ml



#8 n-Octadecane (C18)

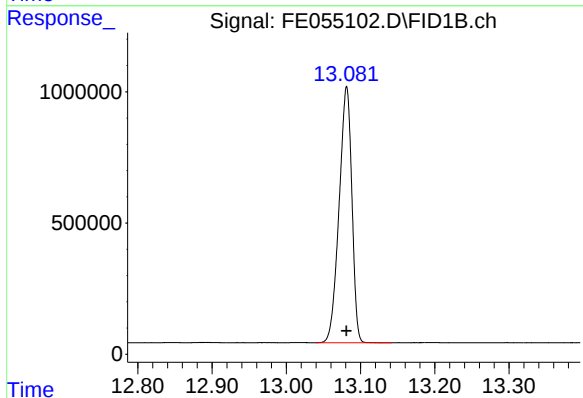
R.T.: 11.768 min
Delta R.T.: 0.000 min
Response: 12080672
Conc: 96.28 ug/ml



#9 ortho-Terphenyl (SURR)

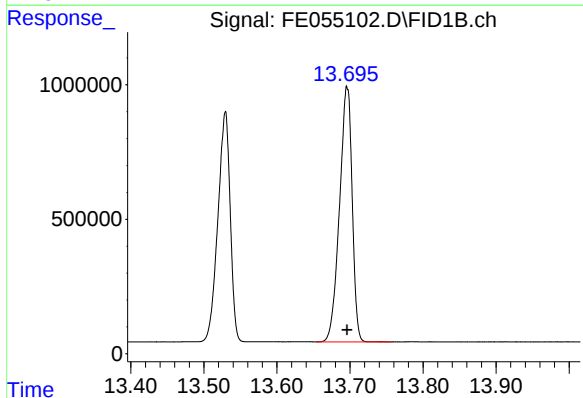
R.T.: 12.095 min
Delta R.T.: 0.000 min
Response: 13258959
Conc: 96.44 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



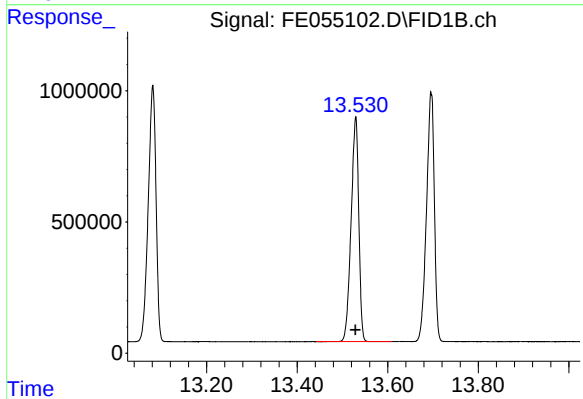
#10 n-Eicosane (C20)

R.T.: 13.081 min
Delta R.T.: 0.000 min
Response: 11630709
Conc: 96.31 ug/ml



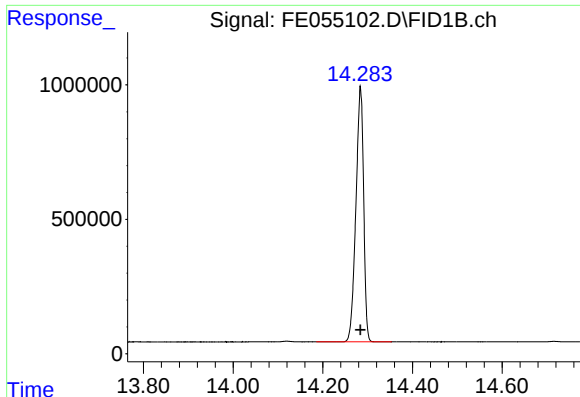
#11 n-Heneicosane (C21)

R.T.: 13.696 min
Delta R.T.: 0.000 min
Response: 11425255
Conc: 96.33 ug/ml



#12 1-chlorooctadecane (SURR)

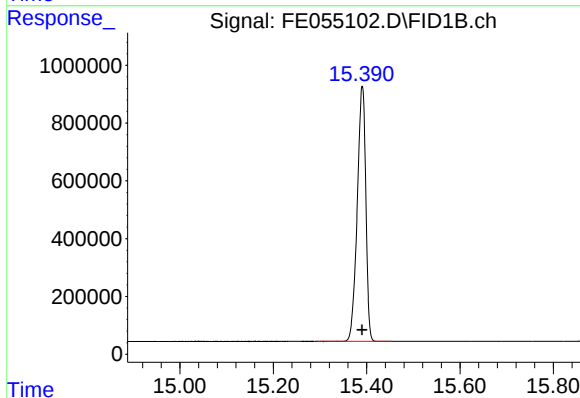
R.T.: 13.529 min
Delta R.T.: 0.000 min
Response: 10060078
Conc: 96.78 ug/ml



#13 n-Docosane (C22)

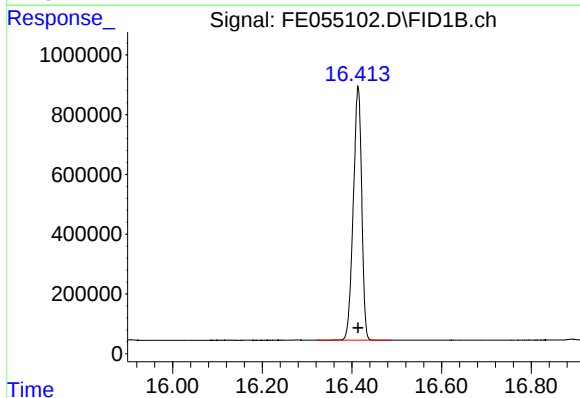
R.T.: 14.284 min
Delta R.T.: 0.000 min
Response: 11344173
Conc: 96.44 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



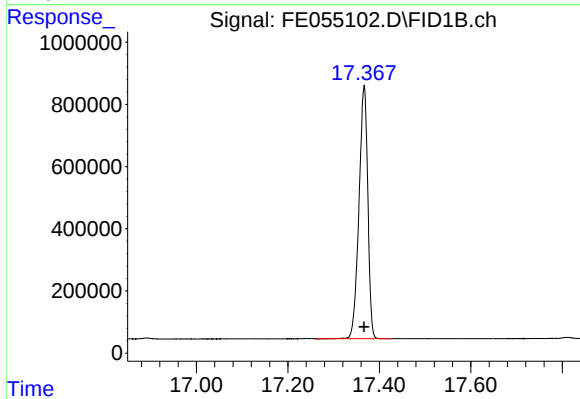
#14 n-Tetracosane (C24)

R.T.: 15.391 min
Delta R.T.: 0.000 min
Response: 11250576
Conc: 96.25 ug/ml



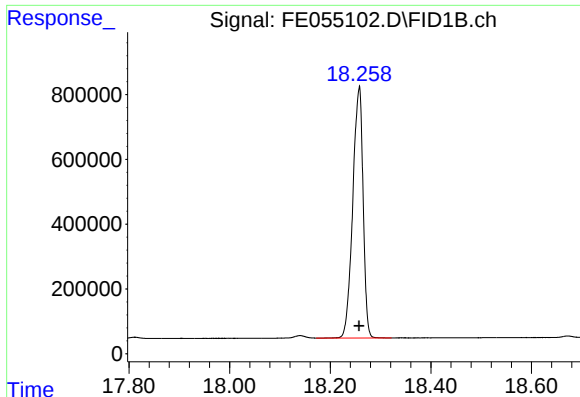
#15 n-Hexacosane (C26)

R.T.: 16.414 min
Delta R.T.: 0.000 min
Response: 11078971
Conc: 96.32 ug/ml



#16 n-Octacosane (C28)

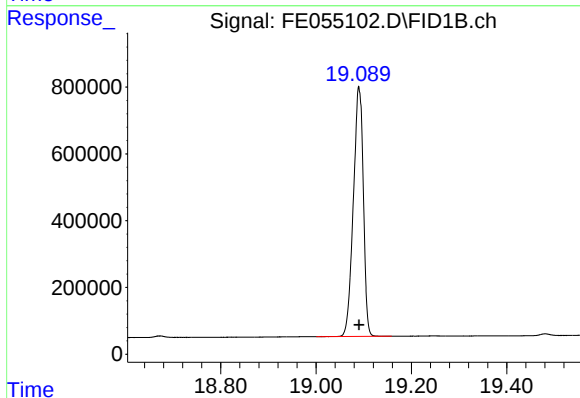
R.T.: 17.367 min
Delta R.T.: 0.000 min
Response: 10883206
Conc: 96.07 ug/ml



#17 n-Tricontane (C30)

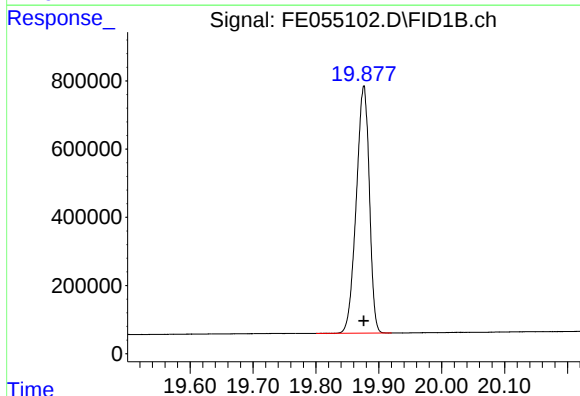
R.T.: 18.257 min
Delta R.T.: 0.000 min
Response: 11064265
Conc: 95.65 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



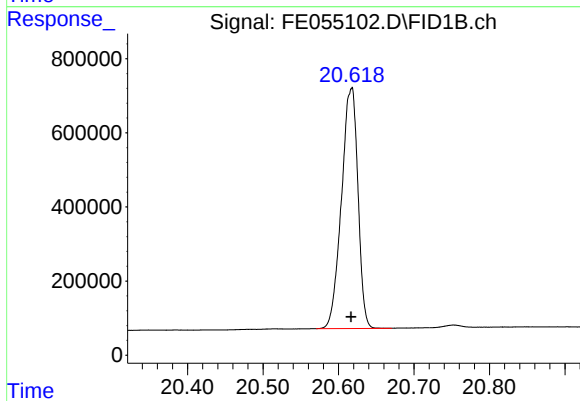
#18 n-Dotriacontane (C32)

R.T.: 19.090 min
Delta R.T.: 0.000 min
Response: 10837325
Conc: 95.89 ug/ml



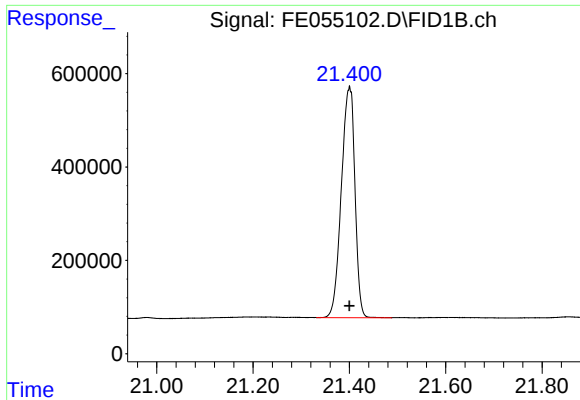
#19 n-Tetratriacontane (C34)

R.T.: 19.876 min
Delta R.T.: 0.000 min
Response: 10452018
Conc: 96.02 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.616 min
Delta R.T.: 0.000 min
Response: 9856874
Conc: 96.59 ug/ml



#21 n-Octatriacontane (C38)

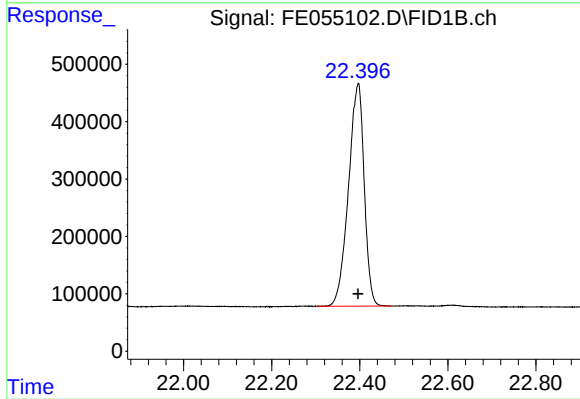
R.T.: 21.400 min
Delta R.T.: 0.000 min
Response: 9704662
Conc: 96.20 ug/ml

Instrument :

FID_E

ClientSampleId :

100 PPM ALIPHATIC HC STD1



#22 n-Tetracontane (C40)

R.T.: 22.396 min
Delta R.T.: 0.000 min
Response: 9614855
Conc: 96.96 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE080125AL\
Data File : FE055102.D
Signal(s) : FID1B.ch
Acq On : 01 Aug 2025 11:24
Sample : 100 PPM ALIPHATIC HC STD1
Misc :
ALS Vial : 11 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.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	3.426	3.384	3.504	BB	1070986	10566449	79.69%	4.317%
2	4.686	4.647	4.765	BB	1091801	10785569	81.35%	4.407%
3	6.406	6.364	6.441	BV	1287901	12473805	94.08%	5.097%
4	6.863	6.802	6.930	BB	1111094	11056736	83.39%	4.518%
5	7.509	7.462	7.627	BV	1186565	12240152	92.32%	5.001%
6	8.700	8.635	8.804	BB	1051624	11258265	84.91%	4.600%
7	10.316	10.275	10.415	PB	1047662	11825841	89.19%	4.832%
8	11.768	11.717	11.820	VB	1049537	12080672	91.11%	4.936%
9	12.095	11.972	12.170	BB	1162473	13258959	100.00%	5.417%
10	13.081	13.040	13.142	PB	976332	11630709	87.72%	4.752%
11	13.529	13.442	13.609	BB	855859	10060078	75.87%	4.110%
12	13.696	13.654	13.757	PB	952985	11425255	86.17%	4.668%
13	14.284	14.185	14.354	BB	950759	11344173	85.56%	4.635%
14	15.391	15.292	15.454	BB	884285	11250576	84.85%	4.597%
15	16.414	16.320	16.489	BB	851287	11078971	83.56%	4.527%
16	17.367	17.262	17.427	BV	815166	10883206	82.08%	4.447%
17	18.257	18.172	18.322	VV	769818	11064265	83.45%	4.521%
18	19.090	19.000	19.159	BB	743160	10837325	81.74%	4.428%
19	19.876	19.800	19.920	BV	723914	10452018	78.83%	4.270%
20	20.617	20.570	20.670	BV	647925	9856874	74.34%	4.027%
21	21.400	21.331	21.488	BV	493523	9704662	73.19%	3.965%
22	22.396	22.301	22.472	BV	390989	9614855	72.52%	3.928%

Sum of corrected areas: 244749413

Aliphatic EPH 080125.M Fri Aug 01 15:06:37 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE080125AL\
 Data File : FE055103.D
 Signal(s) : FID1B.ch
 Acq On : 01 Aug 2025 11:54
 Operator : YP\AJ
 Sample : 50 PPM ALIPHATIC HC STD2
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 50 PPM ALIPHATIC HC STD2

Integration File: autoint1.e
 Quant Time: Aug 01 13:00:17 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 01 12:56:55 2025
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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			
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Spiked Amount 50.000		Recovery =	99.69%
12) S 1-chlorooctadecane (S...	13.525	5171408	49.833 ug/ml
Spiked Amount 50.000		Recovery =	99.67%
Target Compounds			
1) T n-Nonane (C9)	3.424	5514791	50.037 ug/ml
2) T n-Decane (C10)	4.683	5622532	50.078 ug/ml
3) T A~Naphthalene (C11.7)	6.403	6498529	50.117 ug/ml
4) T n-Dodecane (C12)	6.859	5753858	50.087 ug/ml
5) T A~2-methylnaphthalene...	7.505	6326213	49.992 ug/ml
6) T n-Tetradecane (C14)	8.697	5858546	49.938 ug/ml
7) T n-Hexadecane (C16)	10.312	6127256	49.909 ug/ml
8) T n-Octadecane (C18)	11.763	6239947	49.819 ug/ml
10) T n-Eicosane (C20)	13.077	5995916	49.766 ug/ml
11) T n-Heneicosane (C21)	13.691	5891927	49.786 ug/ml
13) T n-Docosane (C22)	14.280	5850962	49.826 ug/ml
14) T n-Tetracosane (C24)	15.386	5809853	49.802 ug/ml
15) T n-Hexacosane (C26)	16.410	5728334	49.869 ug/ml
16) T n-Octacosane (C28)	17.363	5634944	49.826 ug/ml
17) T n-Tricontane (C30)	18.252	5744409	49.775 ug/ml
18) T n-Dotriacontane (C32)	19.086	5642852	49.951 ug/ml
19) T n-Tetratriacontane (C34)	19.872	5420838	49.865 ug/ml
20) T n-Hexatriacontane (C36)	20.611	5110739	50.053 ug/ml
21) T n-Octatriacontane (C38)	21.394	5015684	49.811 ug/ml
22) T n-Tetracontane (C40)	22.388	4974221	50.108 ug/ml

(f)=RT Delta > 1/2 Window

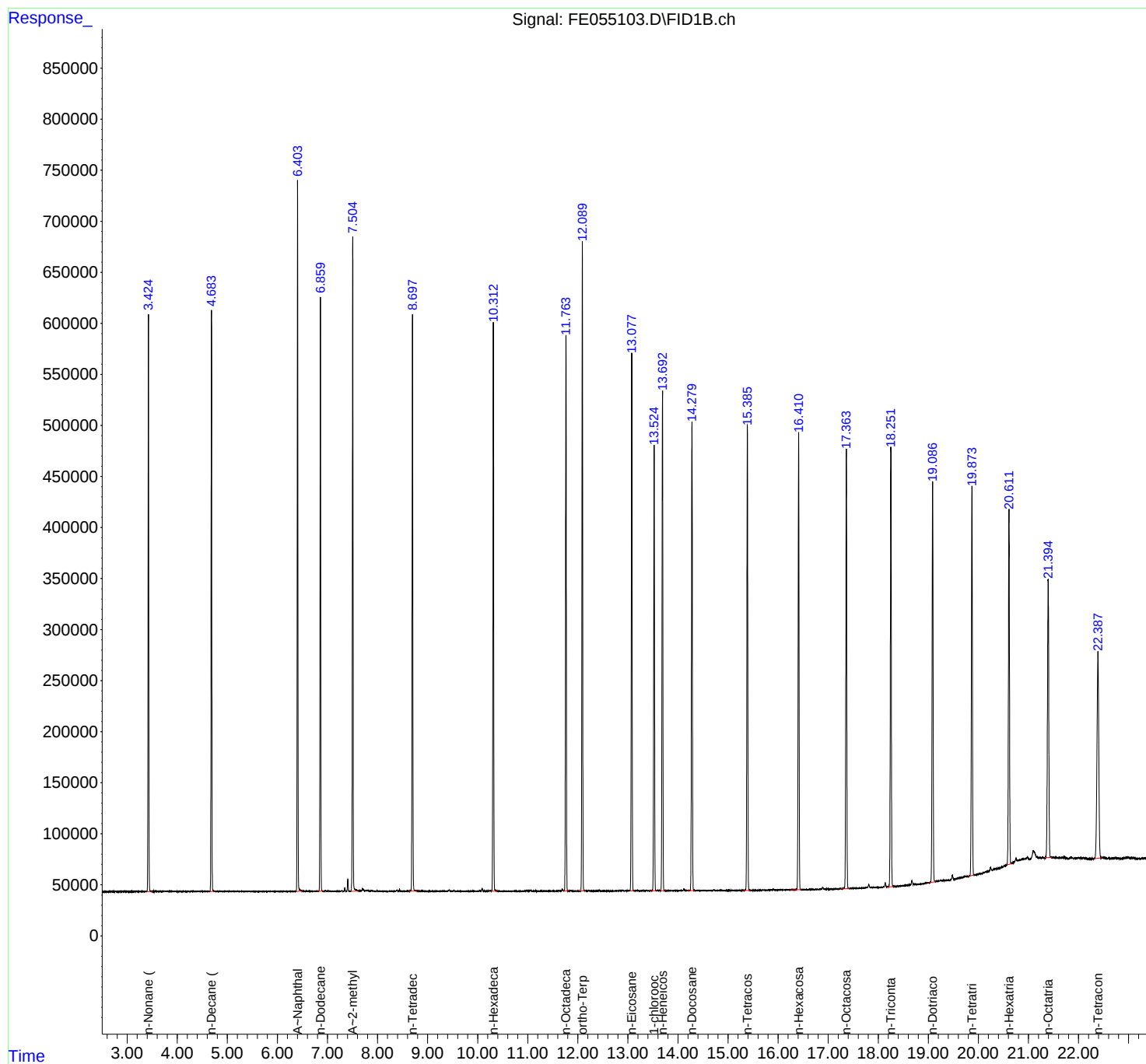
(m)=manual int.

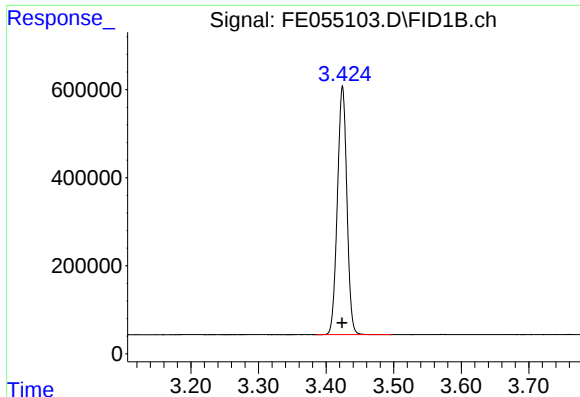
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE080125AL\
Data File : FE055103.D
Signal(s) : FID1B.ch
Acq On : 01 Aug 2025 11:54
Operator : YP\AJ
Sample : 50 PPM ALIPHATIC HC STD2
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2

Integration File: autoint1.e
Quant Time: Aug 01 13:00:17 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.M
Quant Title : GC Extractables
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Integrator: ChemStation

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

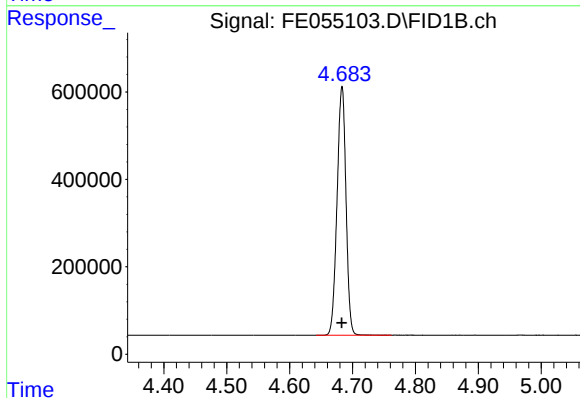




#1 n-Nonane (C9)

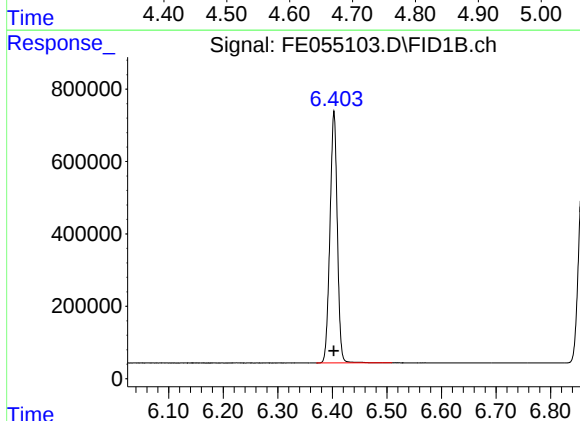
R.T.: 3.424 min
Delta R.T.: 0.000 min
Response: 5514791
Conc: 50.04 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



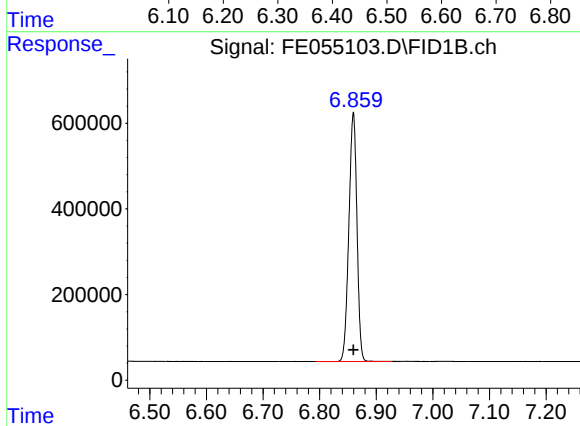
#2 n-Decane (C10)

R.T.: 4.683 min
Delta R.T.: 0.000 min
Response: 5622532
Conc: 50.08 ug/ml



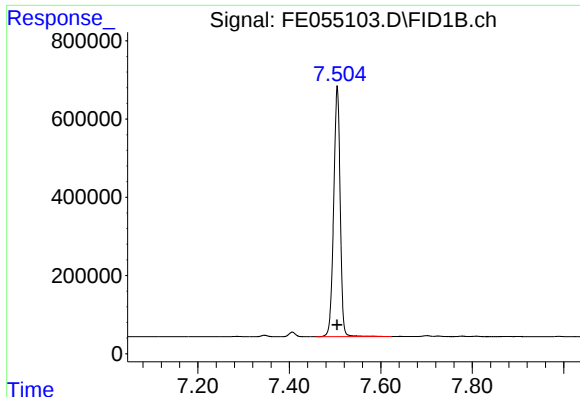
#3 A~Naphthalene (C11.7)

R.T.: 6.403 min
Delta R.T.: 0.000 min
Response: 6498529
Conc: 50.12 ug/ml



#4 n-Dodecane (C12)

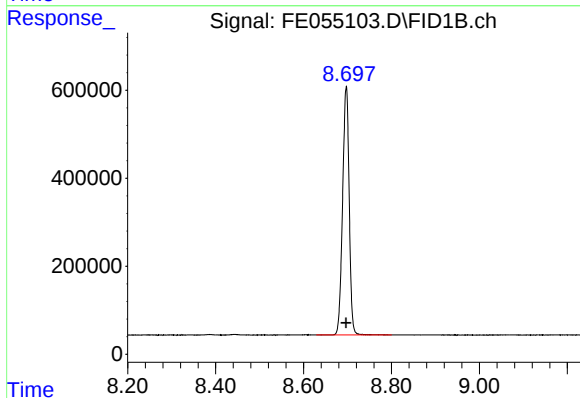
R.T.: 6.859 min
Delta R.T.: 0.000 min
Response: 5753858
Conc: 50.09 ug/ml



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

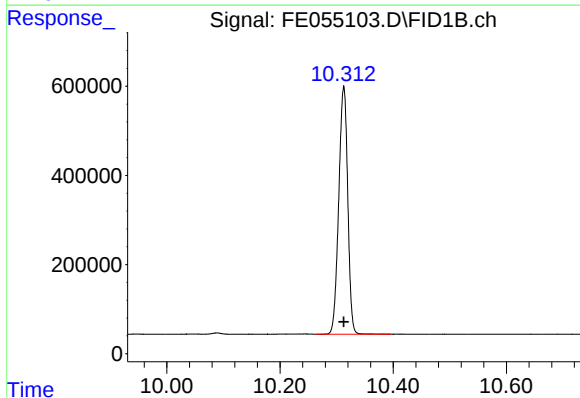
R.T.: 7.505 min
Delta R.T.: 0.000 min
Response: 6326213
Conc: 49.99 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



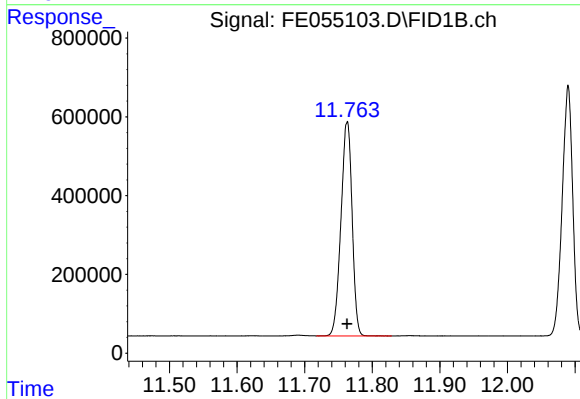
#6 n-Tetradecane (C14)

R.T.: 8.697 min
Delta R.T.: 0.000 min
Response: 5858546
Conc: 49.94 ug/ml



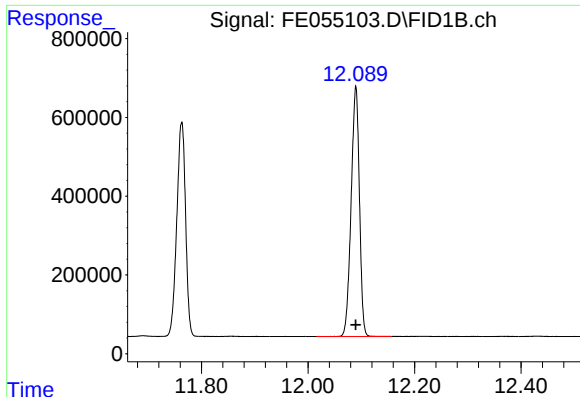
#7 n-Hexadecane (C16)

R.T.: 10.312 min
Delta R.T.: 0.000 min
Response: 6127256
Conc: 49.91 ug/ml



#8 n-Octadecane (C18)

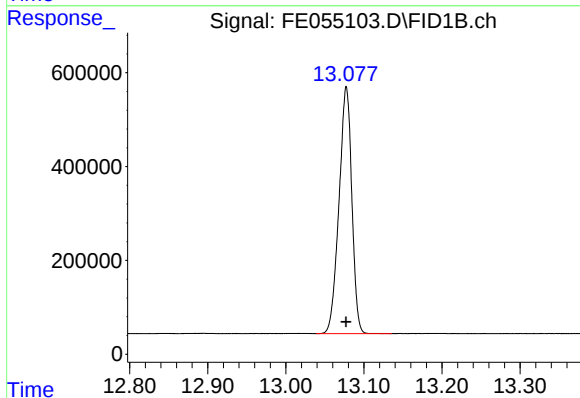
R.T.: 11.763 min
Delta R.T.: 0.000 min
Response: 6239947
Conc: 49.82 ug/ml



#9 ortho-Terphenyl (SURR)

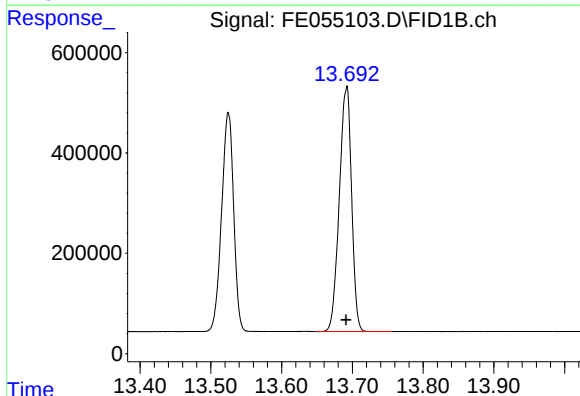
R.T.: 12.090 min
Delta R.T.: 0.000 min
Response: 6842277
Conc: 49.84 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



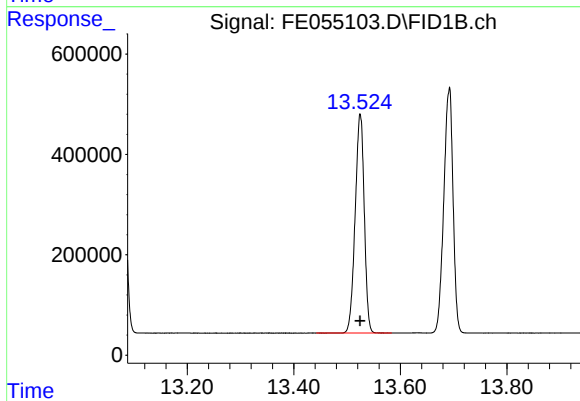
#10 n-Eicosane (C20)

R.T.: 13.077 min
Delta R.T.: 0.000 min
Response: 5995916
Conc: 49.77 ug/ml



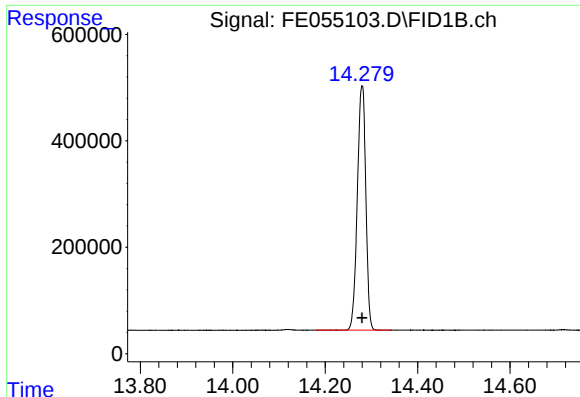
#11 n-Heneicosane (C21)

R.T.: 13.691 min
Delta R.T.: 0.000 min
Response: 5891927
Conc: 49.79 ug/ml



#12 1-chlorooctadecane (SURR)

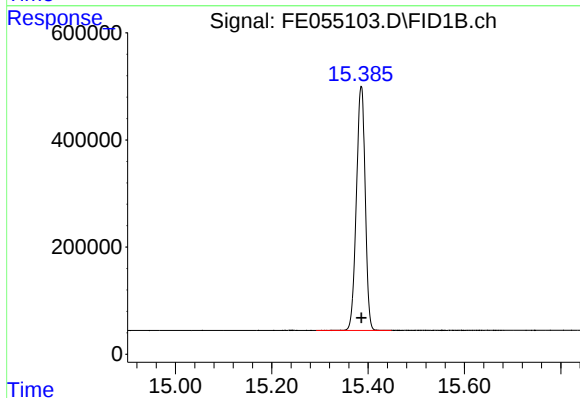
R.T.: 13.525 min
Delta R.T.: 0.000 min
Response: 5171408
Conc: 49.83 ug/ml



#13 n-Docosane (C22)

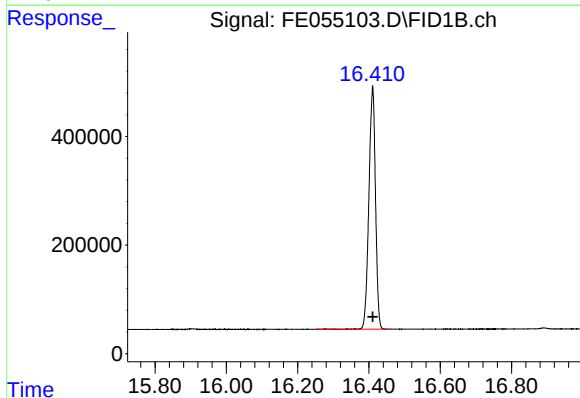
R.T.: 14.280 min
Delta R.T.: 0.000 min
Response: 5850962
Conc: 49.83 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



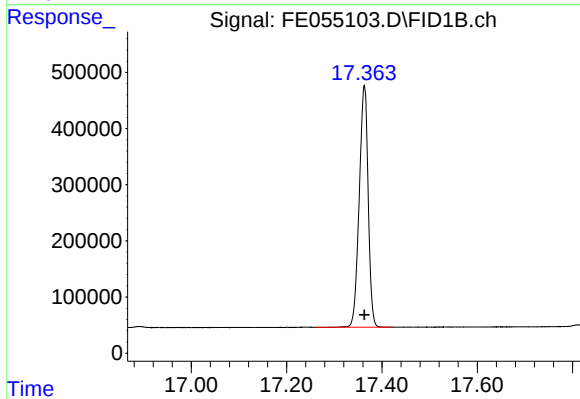
#14 n-Tetracosane (C24)

R.T.: 15.386 min
Delta R.T.: 0.000 min
Response: 5809853
Conc: 49.80 ug/ml



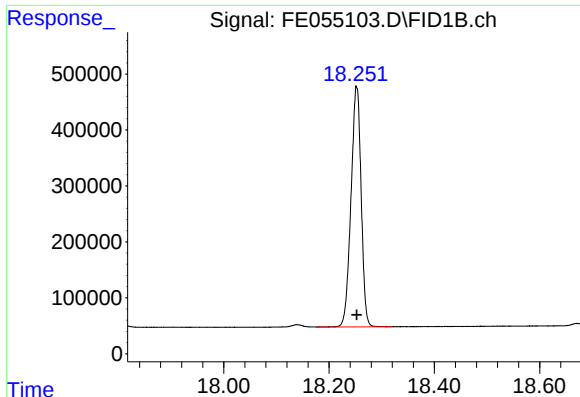
#15 n-Hexacosane (C26)

R.T.: 16.410 min
Delta R.T.: 0.000 min
Response: 5728334
Conc: 49.87 ug/ml



#16 n-Octacosane (C28)

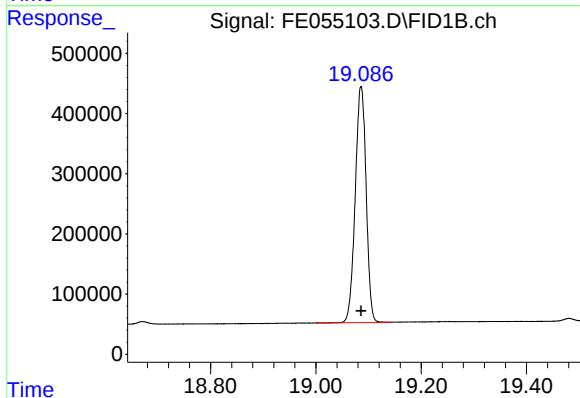
R.T.: 17.363 min
Delta R.T.: 0.000 min
Response: 5634944
Conc: 49.83 ug/ml



#17 n-Tricontane (C30)

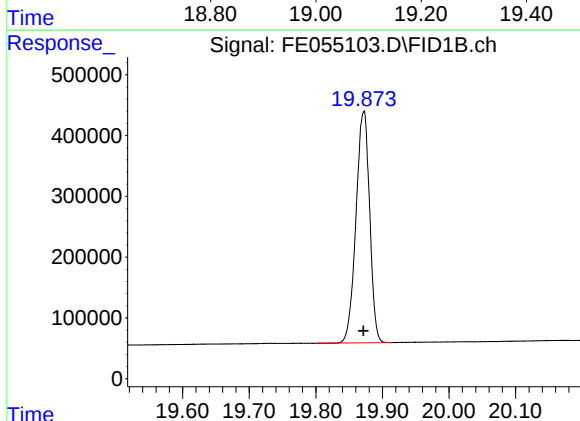
R.T.: 18.252 min
Delta R.T.: 0.000 min
Response: 5744409
Conc: 49.77 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



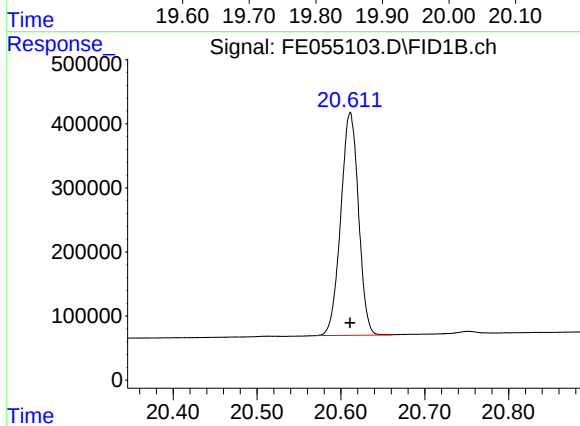
#18 n-Dotriacontane (C32)

R.T.: 19.086 min
Delta R.T.: 0.000 min
Response: 5642852
Conc: 49.95 ug/ml



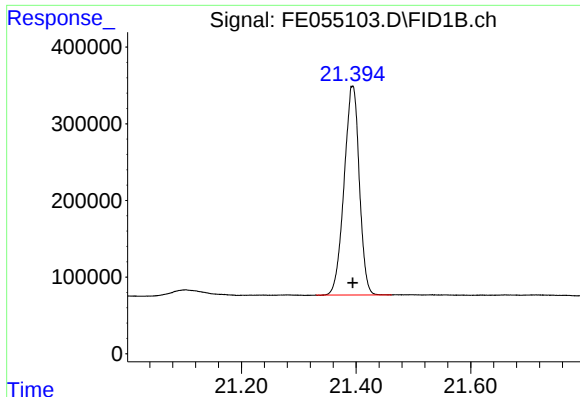
#19 n-Tetratriacontane (C34)

R.T.: 19.872 min
Delta R.T.: 0.000 min
Response: 5420838
Conc: 49.87 ug/ml



#20 n-Hexatriacontane (C36)

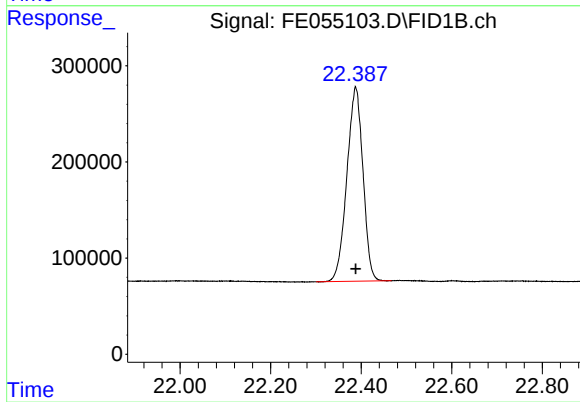
R.T.: 20.611 min
Delta R.T.: 0.000 min
Response: 5110739
Conc: 50.05 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.394 min
Delta R.T.: 0.000 min
Response: 5015684
Conc: 49.81 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



#22 n-Tetracontane (C40)

R.T.: 22.388 min
Delta R.T.: 0.000 min
Response: 4974221
Conc: 50.11 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE080125AL\
Data File : FE055103.D
Signal(s) : FID1B.ch
Acq On : 01 Aug 2025 11:54
Sample : 50 PPM ALIPHATIC HC STD2
Misc :
ALS Vial : 12 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.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	3.385	3.497	BB	563993	5514791	80.60%	4.350%
2	4.683	4.642	4.762	BB	572237	5622532	82.17%	4.435%
3	6.403	6.370	6.509	BB	697210	6498529	94.98%	5.126%
4	6.859	6.794	6.927	BB	579388	5753858	84.09%	4.539%
5	7.505	7.459	7.624	BV	640818	6326213	92.46%	4.990%
6	8.697	8.629	8.800	BB	563836	5858546	85.62%	4.621%
7	10.312	10.264	10.397	PB	554501	6127256	89.55%	4.833%
8	11.763	11.717	11.829	VB	543106	6239947	91.20%	4.922%
9	12.090	12.015	12.157	BB	638056	6842277	100.00%	5.397%
10	13.077	13.039	13.135	PB	527247	5995916	87.63%	4.730%
11	13.525	13.442	13.584	BB	435482	5171408	75.58%	4.079%
12	13.691	13.649	13.755	PB	488862	5891927	86.11%	4.648%
13	14.280	14.180	14.344	BB	459818	5850962	85.51%	4.615%
14	15.386	15.292	15.449	BB	456155	5809853	84.91%	4.583%
15	16.410	16.252	16.464	BB	448448	5728334	83.72%	4.518%
16	17.363	17.262	17.420	BB	429672	5634944	82.35%	4.445%
17	18.252	18.175	18.319	PB	429799	5744409	83.95%	4.531%
18	19.086	19.000	19.144	BV	392159	5642852	82.47%	4.451%
19	19.872	19.800	19.914	BV	380396	5420838	79.23%	4.276%
20	20.611	20.570	20.660	BV	346747	5110739	74.69%	4.031%
21	21.394	21.330	21.462	BB	272074	5015684	73.30%	3.956%
22	22.388	22.300	22.467	BV	202367	4974221	72.70%	3.924%
Sum of corrected areas:						126776034		

Aliphatic EPH 080125.M Fri Aug 01 15:05:23 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE080125AL\
 Data File : FE055104.D
 Signal(s) : FID1B.ch
 Acq On : 01 Aug 2025 12:25
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD3
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD3

Integration File: autoint1.e
 Quant Time: Aug 01 12:57:18 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.M
 Quant Title : GC Extractables
 Qlast Update : Fri Aug 01 12:56:55 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	2847777	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
12) S 1-chlorooctadecane (S...	13.522	2145943	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
Target Compounds			
1) T n-Nonane (C9)	3.423	2293663	20.000 ug/ml
2) T n-Decane (C10)	4.682	2330344	20.000 ug/ml
3) T A~Naphthalene (C11.7)	6.401	2685834	20.000 ug/ml
4) T n-Dodecane (C12)	6.857	2379703	20.000 ug/ml
5) T A~2-methylnaphthalene...	7.502	2614202	20.000 ug/ml
6) T n-Tetradecane (C14)	8.695	2443850	20.000 ug/ml
7) T n-Hexadecane (C16)	10.310	2550070	20.000 ug/ml
8) T n-Octadecane (C18)	11.759	2603047	20.000 ug/ml
10) T n-Eicosane (C20)	13.074	2504470	20.000 ug/ml
11) T n-Heneicosane (C21)	13.688	2458940	20.000 ug/ml
13) T n-Docosane (C22)	14.277	2436487	20.000 ug/ml
14) T n-Tetracosane (C24)	15.383	2425424	20.000 ug/ml
15) T n-Hexacosane (C26)	16.407	2384923	20.000 ug/ml
16) T n-Octacosane (C28)	17.359	2354861	20.000 ug/ml
17) T n-Tricontane (C30)	18.249	2413903	20.000 ug/ml
18) T n-Dotriacontane (C32)	19.083	2353404	20.000 ug/ml
19) T n-Tetratriacontane (C34)	19.868	2263836	20.000 ug/ml
20) T n-Hexatriacontane (C36)	20.609	2110743	20.000 ug/ml
21) T n-Octatriacontane (C38)	21.389	2094471	20.000 ug/ml
22) T n-Tetracontane (C40)	22.384	2043499	20.000 ug/ml

(f)=RT Delta > 1/2 Window

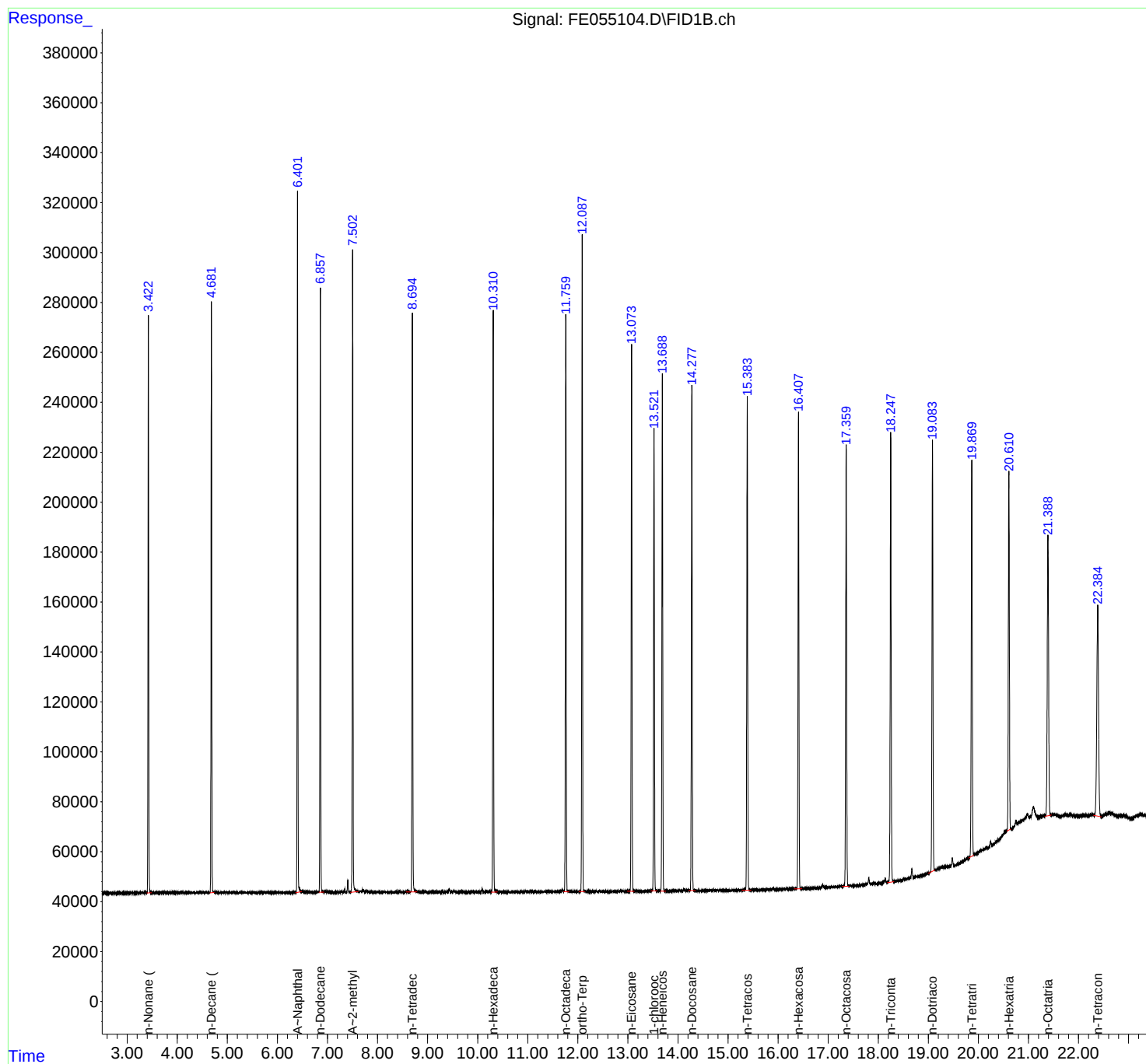
(m)=manual int.

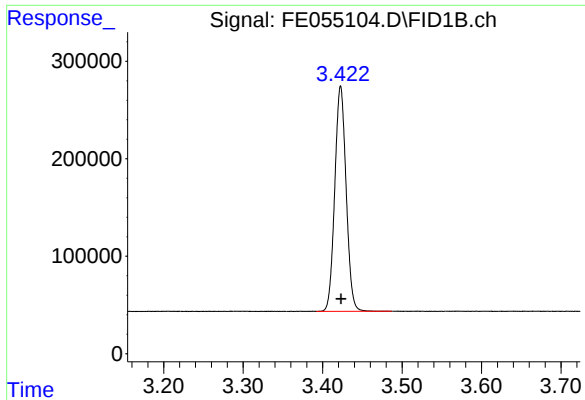
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE080125AL\
Data File : FE055104.D
Signal(s) : FID1B.ch
Acq On : 01 Aug 2025 12:25
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD3
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3

Integration File: autoint1.e
Quant Time: Aug 01 12:57:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 12:56:55 2025
Response via : Initial Calibration
Integrator: ChemStation

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

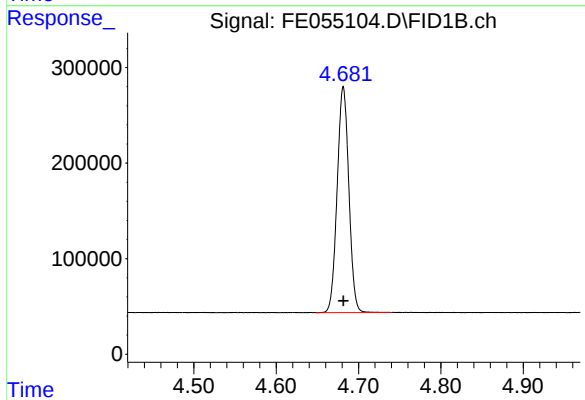




#1 n-Nonane (C9)

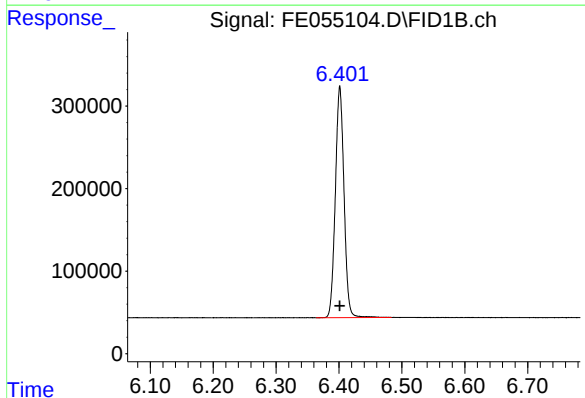
R.T.: 3.423 min
Delta R.T.: 0.000 min
Response: 2293663
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



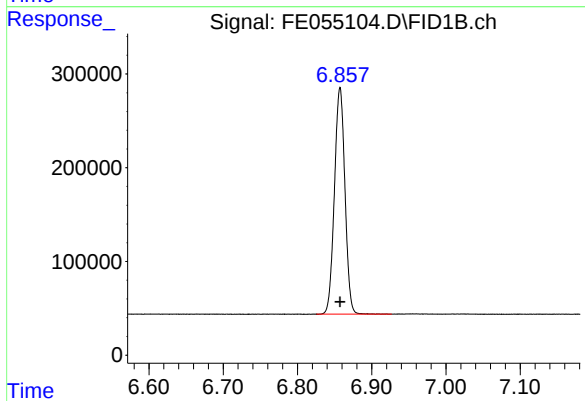
#2 n-Decane (C10)

R.T.: 4.682 min
Delta R.T.: 0.000 min
Response: 2330344
Conc: 20.00 ug/ml



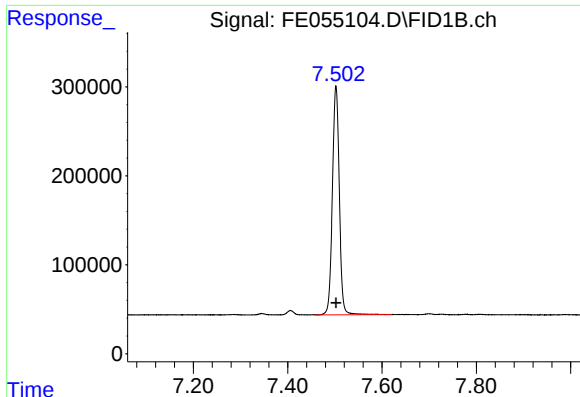
#3 A~Naphthalene (C11.7)

R.T.: 6.401 min
Delta R.T.: 0.000 min
Response: 2685834
Conc: 20.00 ug/ml



#4 n-Dodecane (C12)

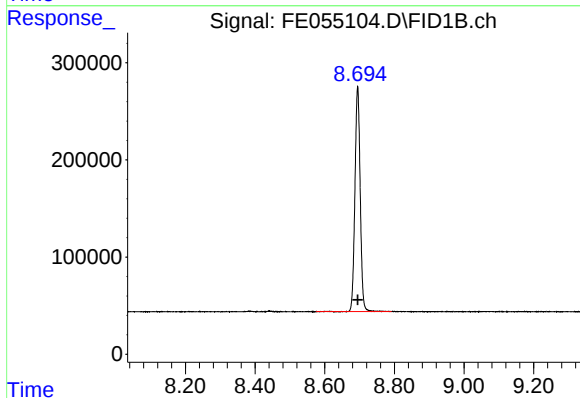
R.T.: 6.857 min
Delta R.T.: 0.000 min
Response: 2379703
Conc: 20.00 ug/ml



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

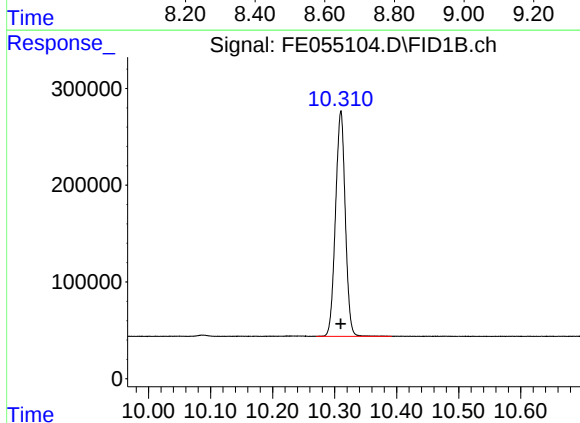
R.T.: 7.502 min
Delta R.T.: 0.000 min
Response: 2614202
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



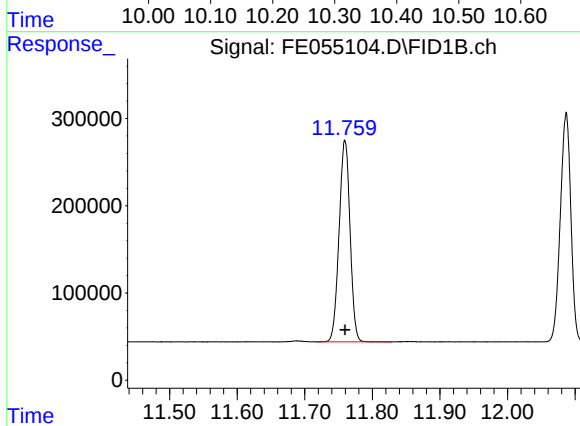
#6 n-Tetradecane (C14)

R.T.: 8.695 min
Delta R.T.: 0.000 min
Response: 2443850
Conc: 20.00 ug/ml



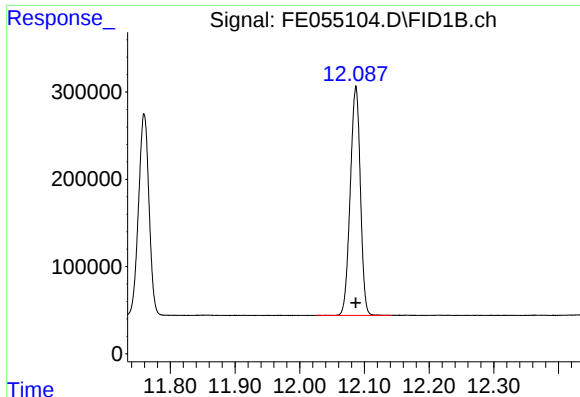
#7 n-Hexadecane (C16)

R.T.: 10.310 min
Delta R.T.: 0.000 min
Response: 2550070
Conc: 20.00 ug/ml



#8 n-Octadecane (C18)

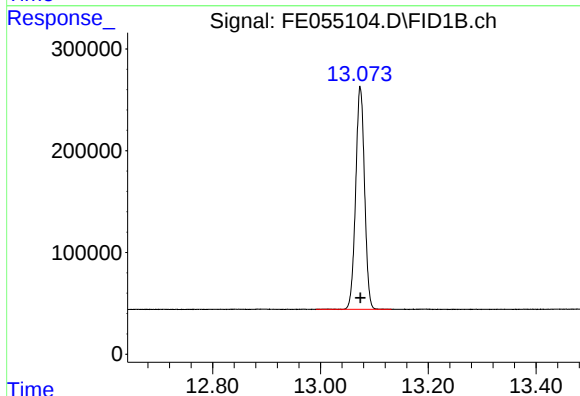
R.T.: 11.759 min
Delta R.T.: 0.000 min
Response: 2603047
Conc: 20.00 ug/ml



#9 ortho-Terphenyl (SURR)

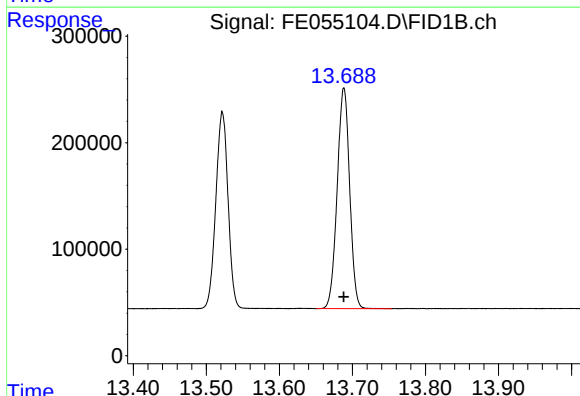
R.T.: 12.087 min
Delta R.T.: 0.000 min
Response: 2847777
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



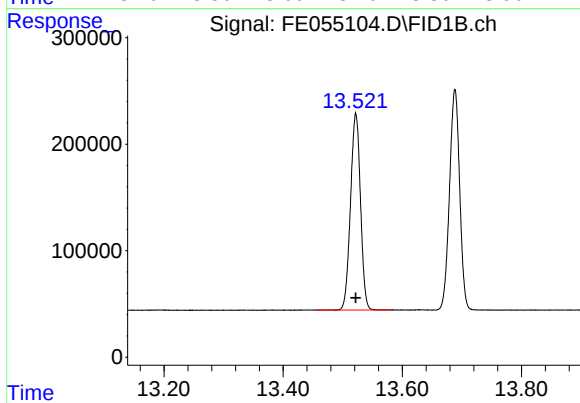
#10 n-Eicosane (C20)

R.T.: 13.074 min
Delta R.T.: 0.000 min
Response: 2504470
Conc: 20.00 ug/ml



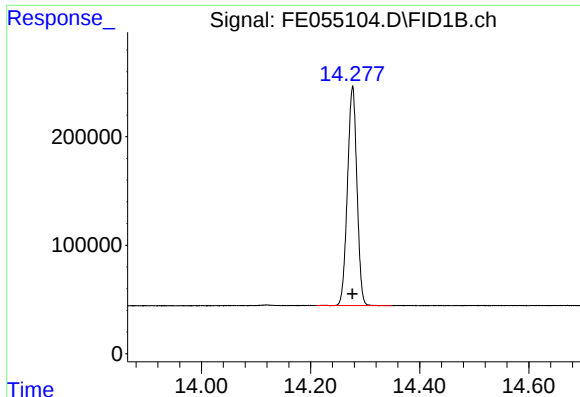
#11 n-Heneicosane (C21)

R.T.: 13.688 min
Delta R.T.: 0.000 min
Response: 2458940
Conc: 20.00 ug/ml



#12 1-chlorooctadecane (SURR)

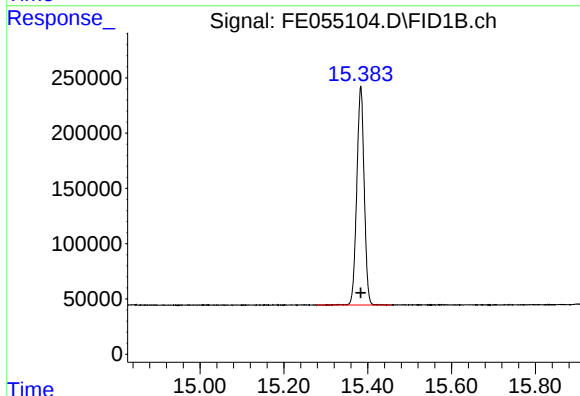
R.T.: 13.522 min
Delta R.T.: 0.000 min
Response: 2145943
Conc: 20.00 ug/ml



#13 n-Docosane (C22)

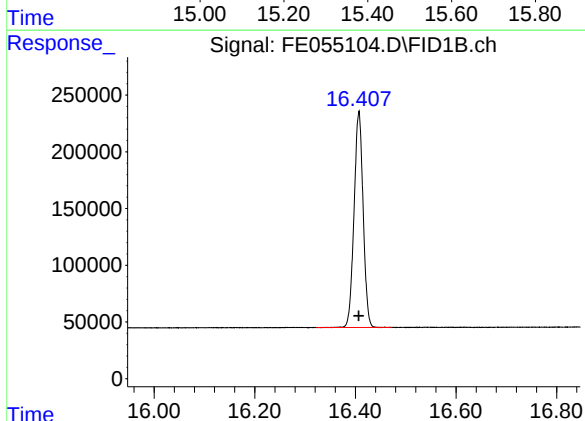
R.T.: 14.277 min
Delta R.T.: 0.000 min
Response: 2436487
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



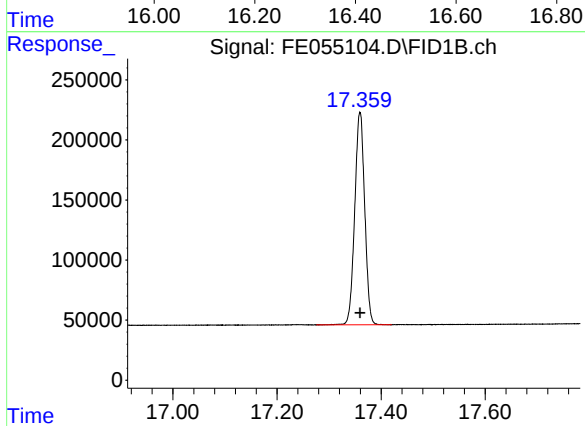
#14 n-Tetracosane (C24)

R.T.: 15.383 min
Delta R.T.: 0.000 min
Response: 2425424
Conc: 20.00 ug/ml



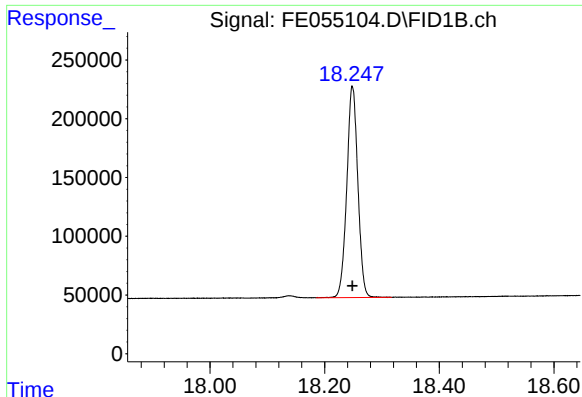
#15 n-Hexacosane (C26)

R.T.: 16.407 min
Delta R.T.: 0.000 min
Response: 2384923
Conc: 20.00 ug/ml



#16 n-Octacosane (C28)

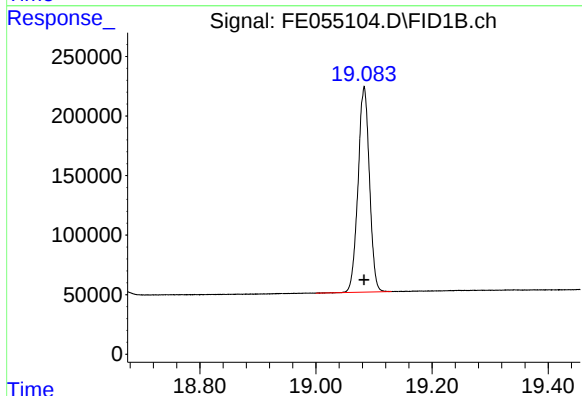
R.T.: 17.359 min
Delta R.T.: 0.000 min
Response: 2354861
Conc: 20.00 ug/ml



#17 n-Tricontane (C30)

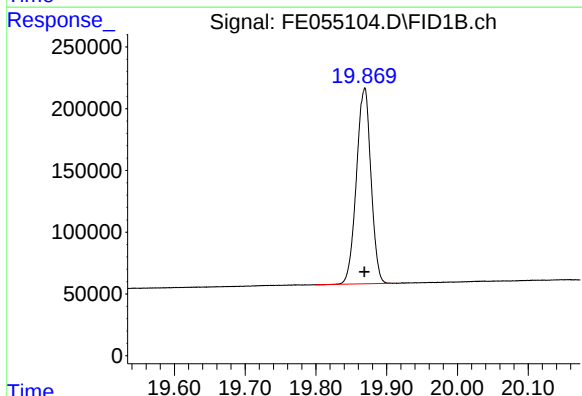
R.T.: 18.249 min
Delta R.T.: 0.000 min
Response: 2413903
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



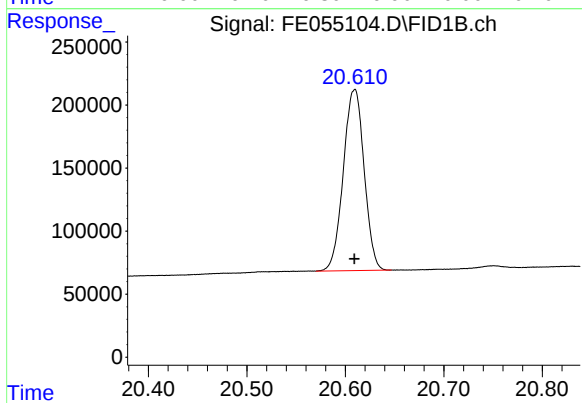
#18 n-Dotriacontane (C32)

R.T.: 19.083 min
Delta R.T.: 0.000 min
Response: 2353404
Conc: 20.00 ug/ml



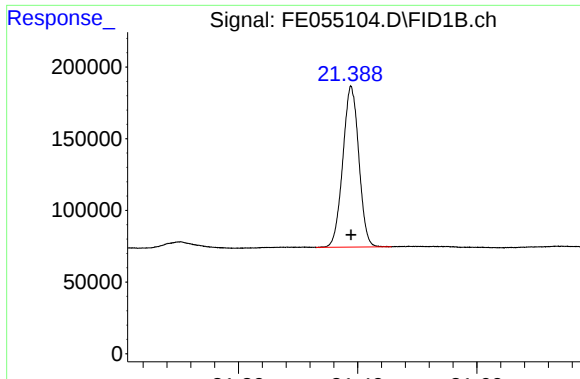
#19 n-Tetratriacontane (C34)

R.T.: 19.868 min
Delta R.T.: 0.000 min
Response: 2263836
Conc: 20.00 ug/ml



#20 n-Hexatriacontane (C36)

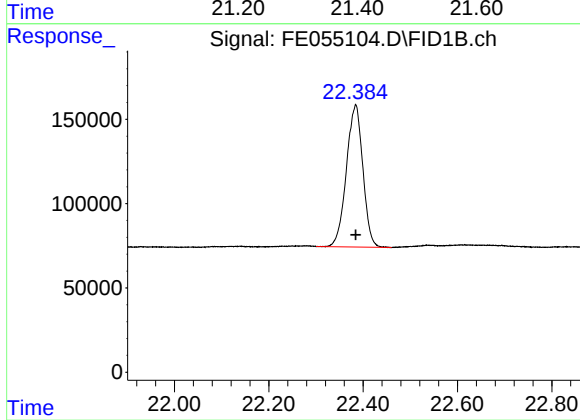
R.T.: 20.609 min
Delta R.T.: 0.000 min
Response: 2110743
Conc: 20.00 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.389 min
Delta R.T.: 0.000 min
Response: 2094471
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: 2043499
Conc: 20.00 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE080125AL\
Data File : FE055104.D
Signal(s) : FID1B.ch
Acq On : 01 Aug 2025 12:25
Sample : 20 PPM ALIPHATIC HC STD3
Misc :
ALS Vial : 13 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.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	3.423	3.392	3.487	BB	231134	2293663	80.54%	4.349%
2	4.682	4.649	4.740	BB	236437	2330344	81.83%	4.419%
3	6.401	6.364	6.484	BB	280151	2685834	94.31%	5.093%
4	6.857	6.825	6.927	BB	241634	2379703	83.56%	4.512%
5	7.502	7.460	7.620	BB	257118	2614202	91.80%	4.957%
6	8.695	8.575	8.792	BB	232754	2443850	85.82%	4.634%
7	10.310	10.270	10.392	BB	233592	2550070	89.55%	4.835%
8	11.759	11.717	11.829	VB	230527	2603047	91.41%	4.936%
9	12.087	12.025	12.142	BB	263143	2847777	100.00%	5.400%
10	13.074	12.992	13.132	BB	218561	2504470	87.94%	4.749%
11	13.522	13.455	13.582	BB	184792	2145943	75.36%	4.069%
12	13.688	13.650	13.754	PB	207585	2458940	86.35%	4.662%
13	14.277	14.210	14.349	BB	202172	2436487	85.56%	4.620%
14	15.383	15.277	15.457	BB	197958	2425424	85.17%	4.599%
15	16.407	16.322	16.472	BB	189955	2384923	83.75%	4.522%
16	17.359	17.275	17.420	BB	176840	2354861	82.69%	4.465%
17	18.249	18.185	18.317	BB	179452	2413903	84.76%	4.577%
18	19.083	19.000	19.130	BB	173090	2353404	82.64%	4.462%
19	19.868	19.800	19.907	BV	158176	2263836	79.49%	4.292%
20	20.609	20.570	20.647	BV	143250	2110743	74.12%	4.002%
21	21.389	21.330	21.457	BB	112406	2094471	73.55%	3.971%
22	22.384	22.300	22.460	BV	84561	2043499	71.76%	3.875%
Sum of corrected areas:						52739394		

Aliphatic EPH 080125.M Fri Aug 01 15:04:37 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE080125AL\
 Data File : FE055105.D
 Signal(s) : FID1B.ch
 Acq On : 01 Aug 2025 12:55
 Operator : YP\AJ
 Sample : 10 PPM ALIPHATIC HC STD4
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 10 PPM ALIPHATIC HC STD4

Integration File: autoint1.e
 Quant Time: Aug 01 13:19:27 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 01 13:19:19 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)	12.085	1465719	10.499 ug/ml
Spiked Amount 50.000		Recovery =	21.00%
12) S 1-chlorooctadecane (S...	13.521	1101100	10.451 ug/ml
Spiked Amount 50.000		Recovery =	20.90%
Target Compounds			
1) T n-Nonane (C9)	3.423	1173056	10.475 ug/ml
2) T n-Decane (C10)	4.681	1191456	10.452 ug/ml
3) T A~Naphthalene (C11.7)	6.401	1371559	10.427 ug/ml
4) T n-Dodecane (C12)	6.857	1212805	10.412 ug/ml
5) T A~2-methylnaphthalene...	7.502	1327736	10.365 ug/ml
6) T n-Tetradecane (C14)	8.694	1256245	10.522 ug/ml
7) T n-Hexadecane (C16)	10.309	1306485	10.474 ug/ml
8) T n-Octadecane (C18)	11.759	1339624	10.513 ug/ml
10) T n-Eicosane (C20)	13.073	1290714	10.525 ug/ml
11) T n-Heneicosane (C21)	13.687	1263179	10.497 ug/ml
13) T n-Docosane (C22)	14.275	1252588	10.492 ug/ml
14) T n-Tetracosane (C24)	15.382	1249742	10.525 ug/ml
15) T n-Hexacosane (C26)	16.406	1228030	10.509 ug/ml
16) T n-Octacosane (C28)	17.358	1218469	10.570 ug/ml
17) T n-Tricontane (C30)	18.248	1265398	10.706 ug/ml
18) T n-Dotriacontane (C32)	19.082	1247513	10.762 ug/ml
19) T n-Tetratriacontane (C34)	19.866	1189288	10.689 ug/ml
20) T n-Hexatriacontane (C36)	20.607	1108488	10.629 ug/ml
21) T n-Octatriacontane (C38)	21.389	1141544	10.970 ug/ml
22) T n-Tetracontane (C40)	22.381	1072991	10.595 ug/ml

(f)=RT Delta > 1/2 Window

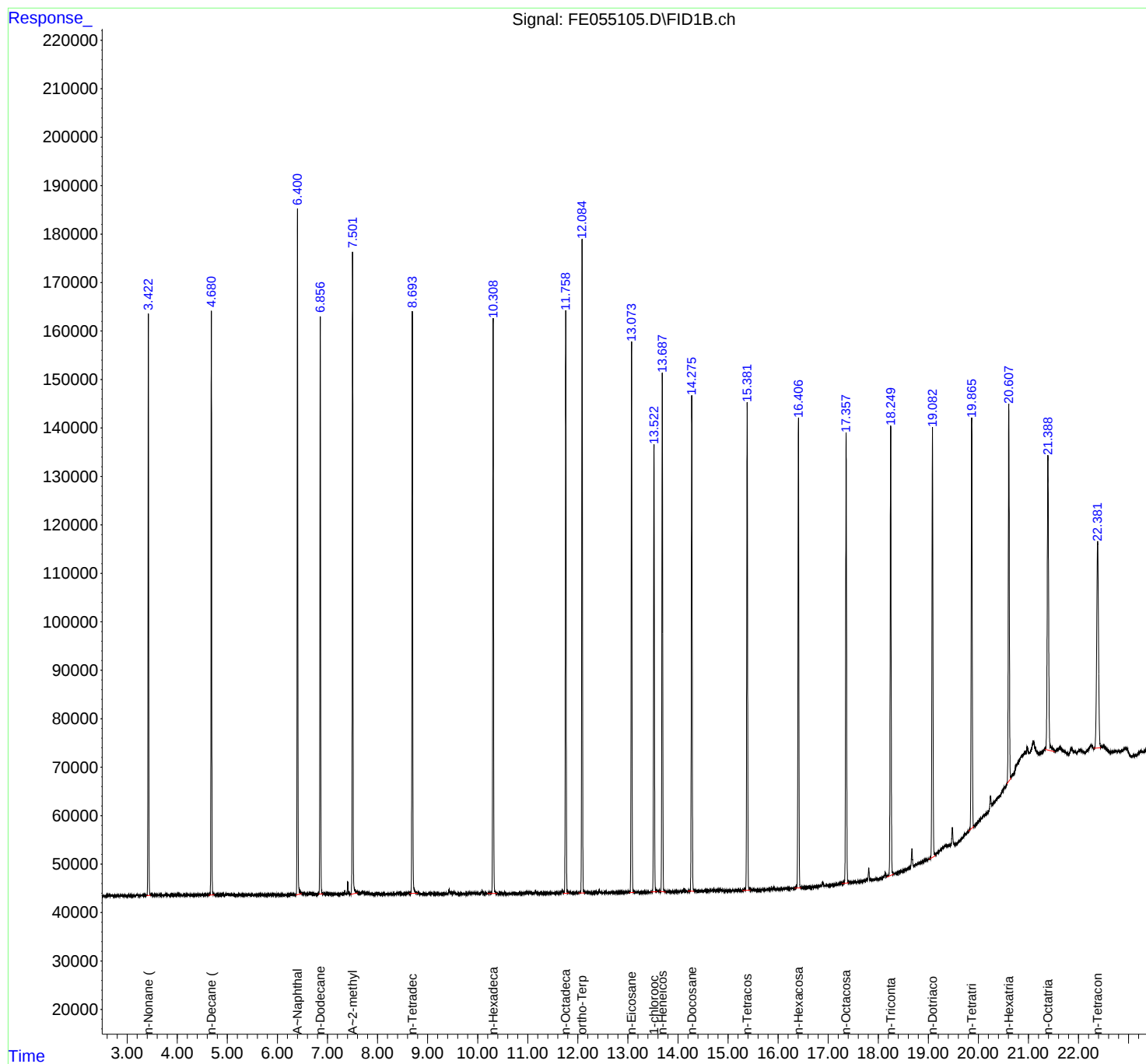
(m)=manual int.

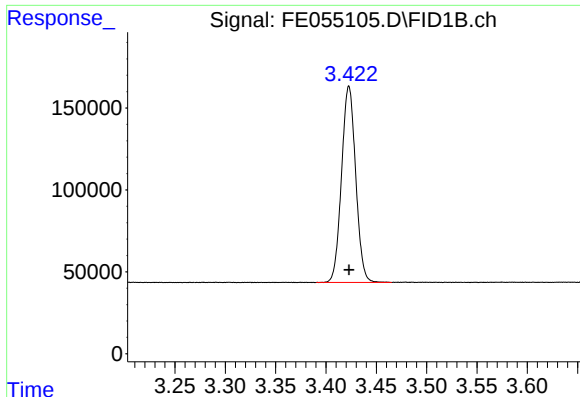
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE080125AL\
Data File : FE055105.D
Signal(s) : FID1B.ch
Acq On : 01 Aug 2025 12:55
Operator : YP\AJ
Sample : 10 PPM ALIPHATIC HC STD4
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4

Integration File: autoint1.e
Quant Time: Aug 01 13:19:27 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 13:19:19 2025
Response via : Initial Calibration
Integrator: ChemStation

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

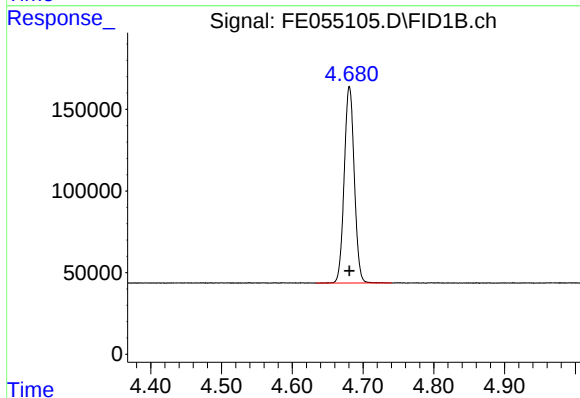




#1 n-Nonane (C9)

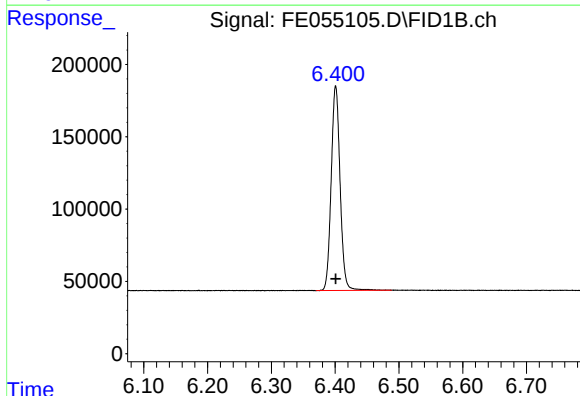
R.T.: 3.423 min
Delta R.T.: 0.000 min
Response: 1173056
Conc: 10.47 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4



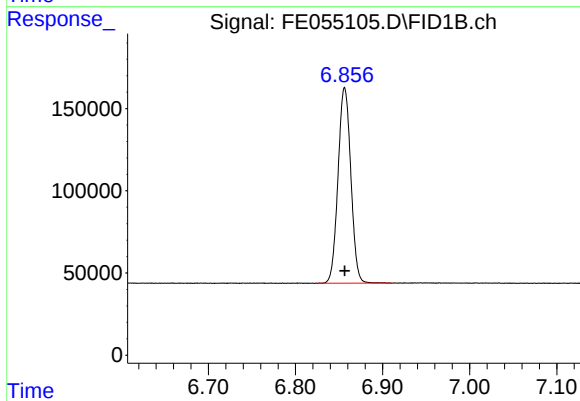
#2 n-Decane (C10)

R.T.: 4.681 min
Delta R.T.: 0.000 min
Response: 1191456
Conc: 10.45 ug/ml



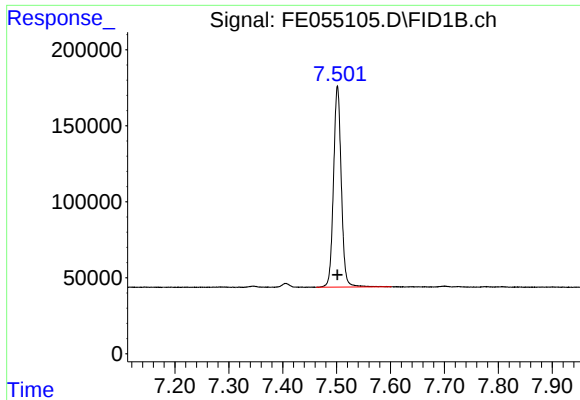
#3 A~Naphthalene (C11.7)

R.T.: 6.401 min
Delta R.T.: 0.000 min
Response: 1371559
Conc: 10.43 ug/ml



#4 n-Dodecane (C12)

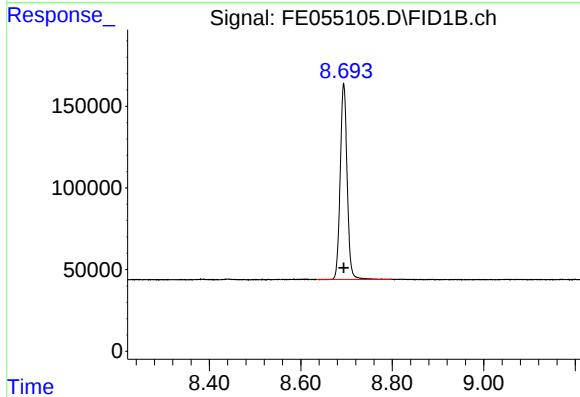
R.T.: 6.857 min
Delta R.T.: 0.000 min
Response: 1212805
Conc: 10.41 ug/ml



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

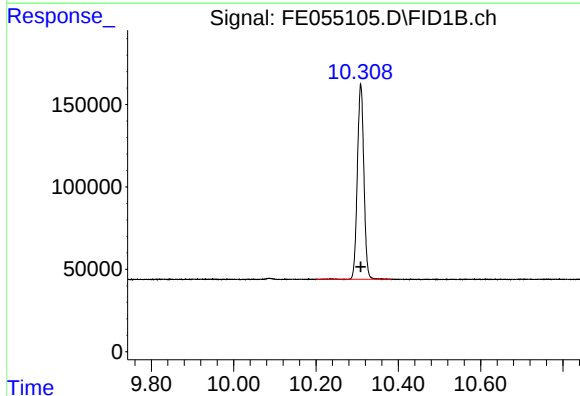
R.T.: 7.502 min
Delta R.T.: 0.000 min
Response: 1327736
Conc: 10.36 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4



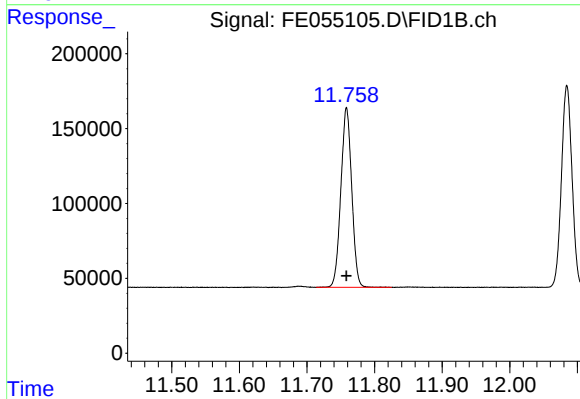
#6 n-Tetradecane (C14)

R.T.: 8.694 min
Delta R.T.: 0.000 min
Response: 1256245
Conc: 10.52 ug/ml



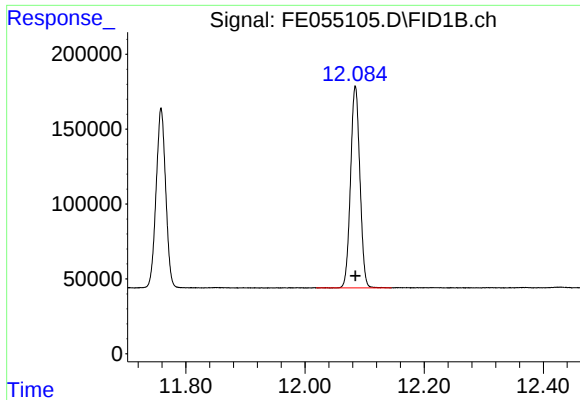
#7 n-Hexadecane (C16)

R.T.: 10.309 min
Delta R.T.: 0.000 min
Response: 1306485
Conc: 10.47 ug/ml



#8 n-Octadecane (C18)

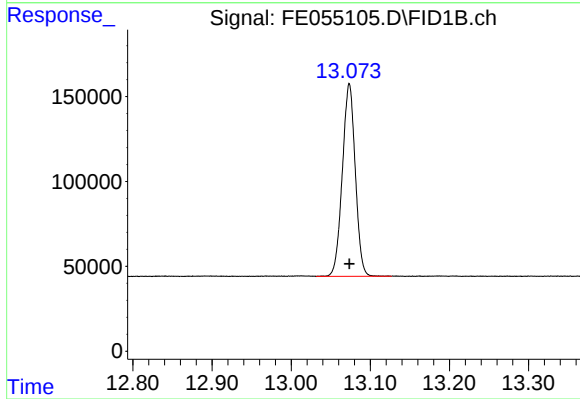
R.T.: 11.759 min
Delta R.T.: 0.000 min
Response: 1339624
Conc: 10.51 ug/ml



#9 ortho-Terphenyl (SURR)

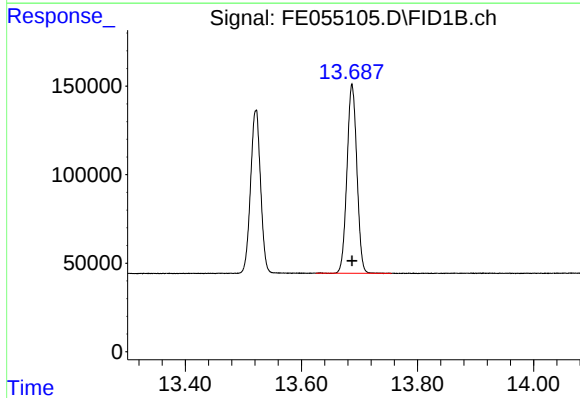
R.T.: 12.085 min
Delta R.T.: 0.000 min
Response: 1465719
Conc: 10.50 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4



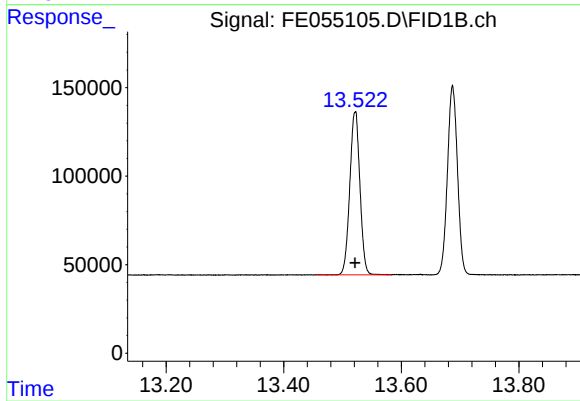
#10 n-Eicosane (C20)

R.T.: 13.073 min
Delta R.T.: 0.000 min
Response: 1290714
Conc: 10.53 ug/ml



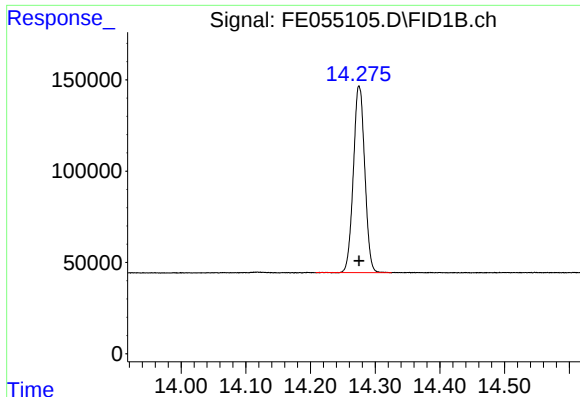
#11 n-Heneicosane (C21)

R.T.: 13.687 min
Delta R.T.: 0.000 min
Response: 1263179
Conc: 10.50 ug/ml



#12 1-chlorooctadecane (SURR)

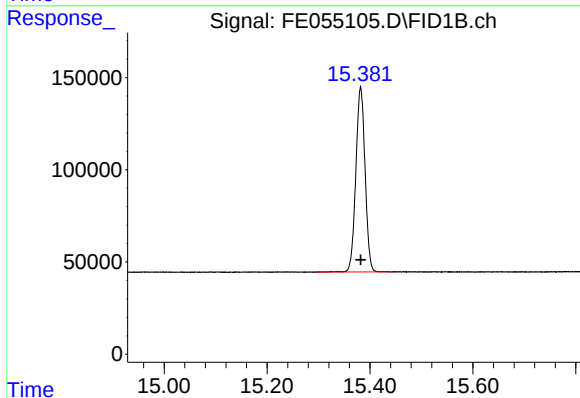
R.T.: 13.521 min
Delta R.T.: 0.000 min
Response: 1101100
Conc: 10.45 ug/ml



#13 n-Docosane (C22)

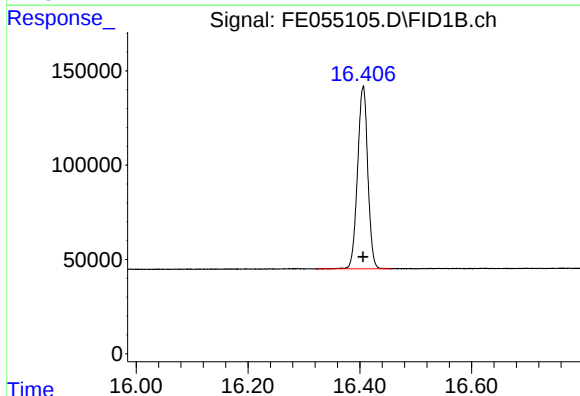
R.T.: 14.275 min
Delta R.T.: 0.000 min
Response: 1252588
Conc: 10.49 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4



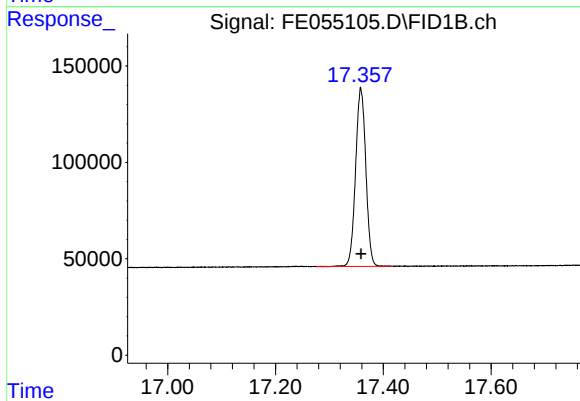
#14 n-Tetracosane (C24)

R.T.: 15.382 min
Delta R.T.: 0.000 min
Response: 1249742
Conc: 10.53 ug/ml



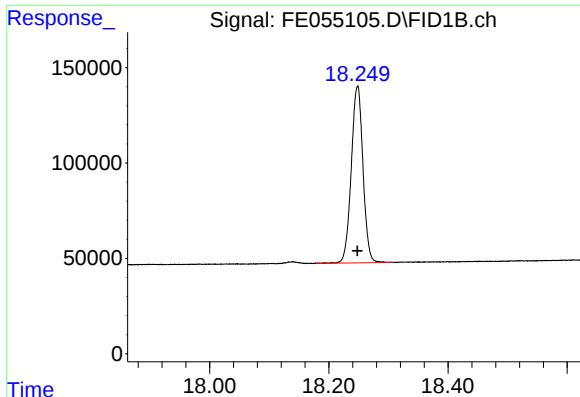
#15 n-Hexacosane (C26)

R.T.: 16.406 min
Delta R.T.: 0.000 min
Response: 1228030
Conc: 10.51 ug/ml



#16 n-Octacosane (C28)

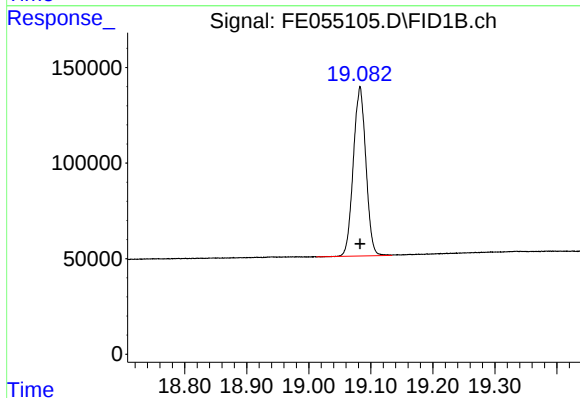
R.T.: 17.358 min
Delta R.T.: 0.000 min
Response: 1218469
Conc: 10.57 ug/ml



#17 n-Tricontane (C30)

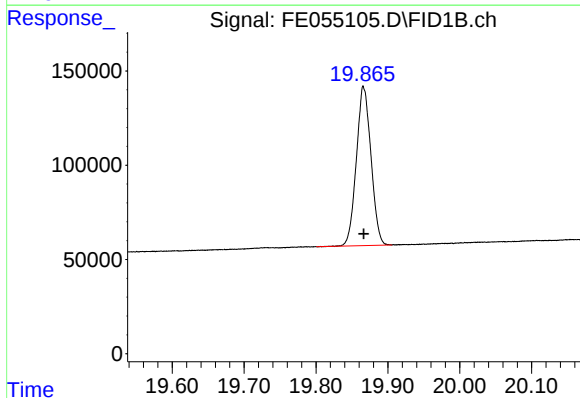
R.T.: 18.248 min
Delta R.T.: 0.000 min
Response: 1265398
Conc: 10.71 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4



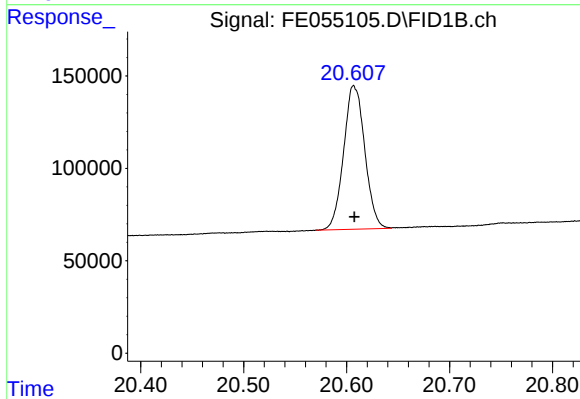
#18 n-Dotriacontane (C32)

R.T.: 19.082 min
Delta R.T.: 0.000 min
Response: 1247513
Conc: 10.76 ug/ml



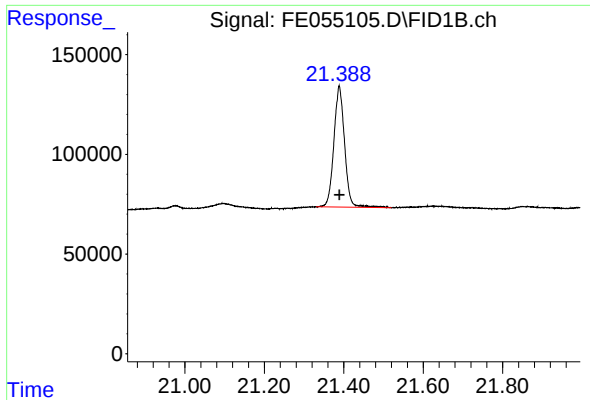
#19 n-Tetratriacontane (C34)

R.T.: 19.866 min
Delta R.T.: 0.000 min
Response: 1189288
Conc: 10.69 ug/ml



#20 n-Hexatriacontane (C36)

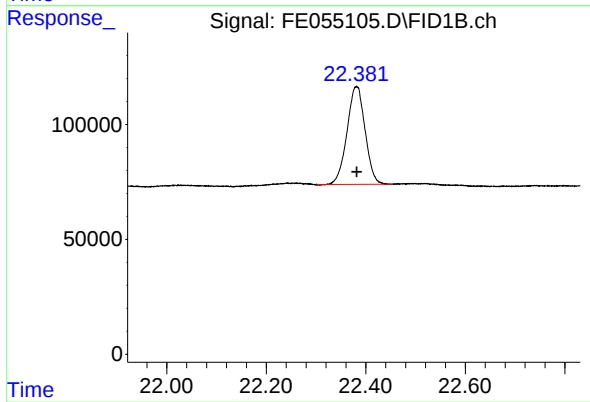
R.T.: 20.607 min
Delta R.T.: 0.000 min
Response: 1108488
Conc: 10.63 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.389 min
Delta R.T.: 0.000 min
Response: 1141544
Conc: 10.97 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4



#22 n-Tetracontane (C40)

R.T.: 22.381 min
Delta R.T.: 0.000 min
Response: 1072991
Conc: 10.59 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE080125AL\
Data File : FE055105.D
Signal(s) : FID1B.ch
Acq On : 01 Aug 2025 12:55
Sample : 10 PPM ALIPHATIC HC STD4
Misc :
ALS Vial : 14 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.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	3.423	3.390	3.465	BB	120037	1173056	80.03%	4.301%
2	4.681	4.634	4.740	BB	120456	1191456	81.29%	4.369%
3	6.401	6.370	6.489	BB	141579	1371559	93.58%	5.029%
4	6.857	6.824	6.910	BB	118825	1212805	82.74%	4.447%
5	7.502	7.462	7.602	BB	132398	1327736	90.59%	4.868%
6	8.694	8.634	8.799	BB	119873	1256245	85.71%	4.606%
7	10.309	10.200	10.384	BB	118466	1306485	89.14%	4.790%
8	11.759	11.714	11.825	PB	120058	1339624	91.40%	4.912%
9	12.085	12.019	12.145	BB	134862	1465719	100.00%	5.374%
10	13.073	13.032	13.127	PB	113704	1290714	88.06%	4.732%
11	13.521	13.455	13.584	BB	92204	1101100	75.12%	4.037%
12	13.687	13.625	13.755	BB	106777	1263179	86.18%	4.631%
13	14.275	14.209	14.325	BB	102098	1252588	85.46%	4.593%
14	15.382	15.295	15.442	BB	100362	1249742	85.26%	4.582%
15	16.406	16.322	16.457	BB	96333	1228030	83.78%	4.503%
16	17.358	17.275	17.415	BB	91813	1218469	83.13%	4.468%
17	18.248	18.179	18.305	BB	92913	1265398	86.33%	4.640%
18	19.082	19.012	19.134	BV	88439	1247513	85.11%	4.574%
19	19.866	19.800	19.905	BV	83213	1189288	81.14%	4.361%
20	20.607	20.570	20.644	BV	77393	1108488	75.63%	4.064%
21	21.389	21.330	21.520	BB	60713	1141544	77.88%	4.186%
22	22.381	22.300	22.452	BV	42596	1072991	73.21%	3.934%
Sum of corrected areas:						27273728		

Aliphatic EPH 080125.M Fri Aug 01 15:04:05 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE080125AL\
 Data File : FE055106.D
 Signal(s) : FID1B.ch
 Acq On : 01 Aug 2025 13:25
 Operator : YP\AJ
 Sample : 5 PPM ALIPHATIC HC STD5
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 5 PPM ALIPHATIC HC STD5

Integration File: autoint1.e
 Quant Time: Aug 01 13:46:34 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 01 13:46:25 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)	12.084	778115	5.449 ug/ml
Spiked Amount 50.000		Recovery =	10.90%
12) S 1-chlorooctadecane (S...	13.520	580920	5.403 ug/ml
Spiked Amount 50.000		Recovery =	10.81%
Target Compounds			
1) T n-Nonane (C9)	3.422	629501	5.485 ug/ml
2) T n-Decane (C10)	4.681	632551	5.430 ug/ml
3) T A~Naphthalene (C11.7)	6.401	724982	5.401 ug/ml
4) T n-Dodecane (C12)	6.856	647501	5.437 ug/ml
5) T A~2-methylnaphthalene...	7.501	697536	5.350 ug/ml
6) T n-Tetradecane (C14)	8.694	677397	5.525 ug/ml
7) T n-Hexadecane (C16)	10.308	701326	5.486 ug/ml
8) T n-Octadecane (C18)	11.758	713273	5.467 ug/ml
10) T n-Eicosane (C20)	13.072	684201	5.453 ug/ml
11) T n-Heneicosane (C21)	13.686	674909	5.475 ug/ml
13) T n-Docosane (C22)	14.275	665279	5.448 ug/ml
14) T n-Tetracosane (C24)	15.382	666101	5.476 ug/ml
15) T n-Hexacosane (C26)	16.405	654109	5.467 ug/ml
16) T n-Octacosane (C28)	17.357	659989	5.564 ug/ml
17) T n-Tricontane (C30)	18.248	712384	5.789 ug/ml
18) T n-Dotriacontane (C32)	19.081	732022	6.000 ug/ml
19) T n-Tetratriacontane (C34)	19.867	697694	5.967 ug/ml
20) T n-Hexatriacontane (C36)	20.608	646626	5.916 ug/ml
21) T n-Octatriacontane (C38)	21.390	620578	5.742 ug/ml
22) T n-Tetracontane (C40)	22.381	588826	5.631 ug/ml

(f)=RT Delta > 1/2 Window

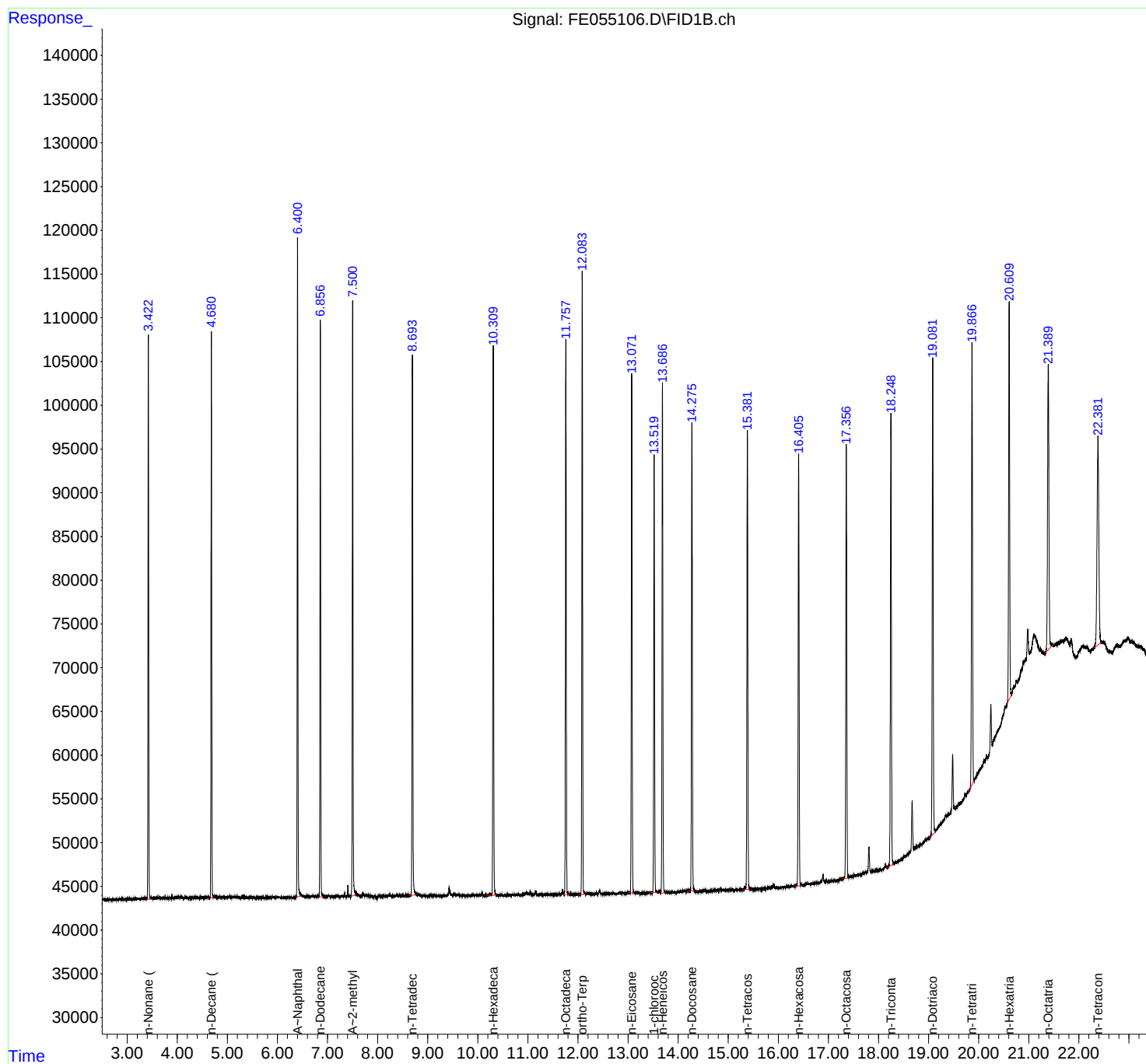
(m)=manual int.

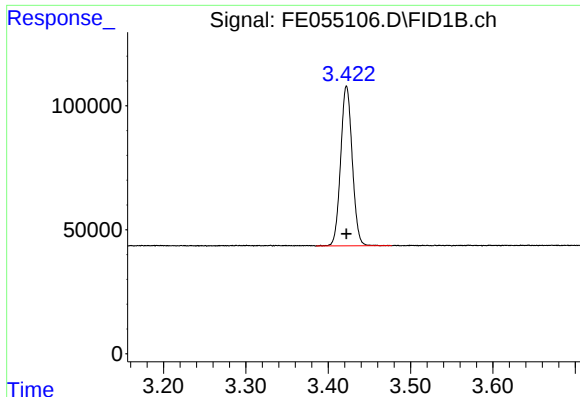
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE080125AL\
Data File : FE055106.D
Signal(s) : FID1B.ch
Acq On : 01 Aug 2025 13:25
Operator : YP\AJ
Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5

Integration File: autoint1.e
Quant Time: Aug 01 13:46:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 13:46:25 2025
Response via : Initial Calibration
Integrator: ChemStation

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

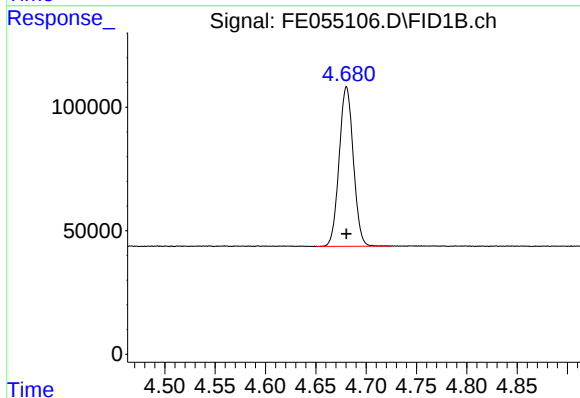




#1 n-Nonane (C9)

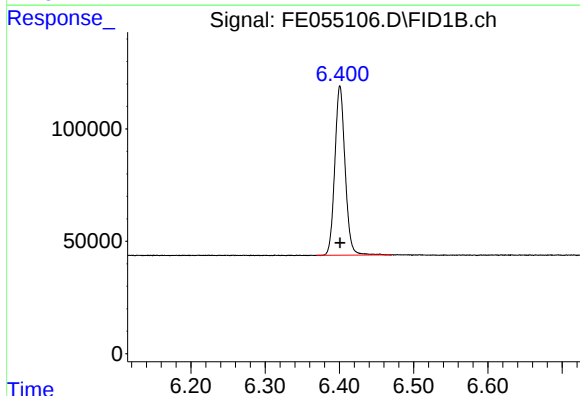
R.T.: 3.422 min
Delta R.T.: 0.000 min
Response: 629501
Conc: 5.48 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5



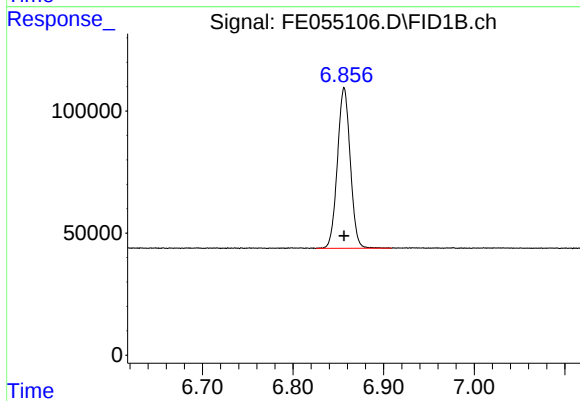
#2 n-Decane (C10)

R.T.: 4.681 min
Delta R.T.: 0.000 min
Response: 632551
Conc: 5.43 ug/ml



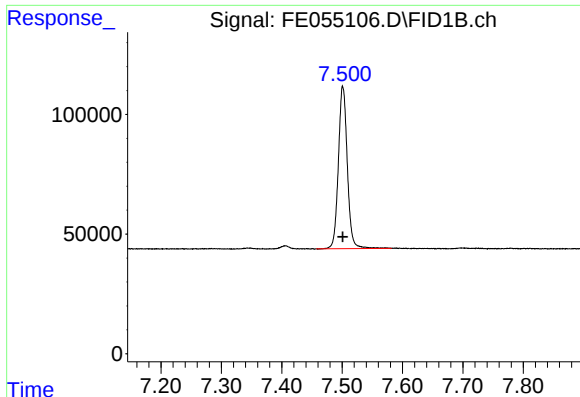
#3 A~Naphthalene (C11.7)

R.T.: 6.401 min
Delta R.T.: 0.000 min
Response: 724982
Conc: 5.40 ug/ml



#4 n-Dodecane (C12)

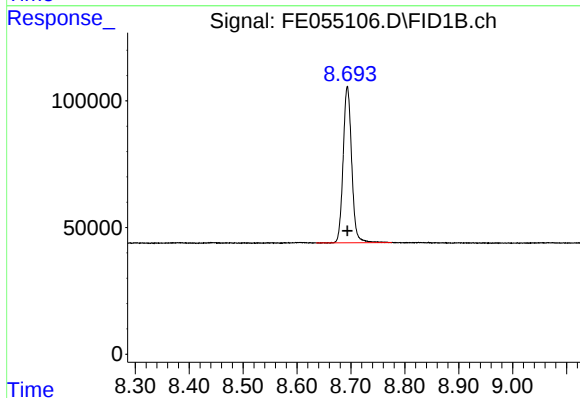
R.T.: 6.856 min
Delta R.T.: 0.000 min
Response: 647501
Conc: 5.44 ug/ml



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

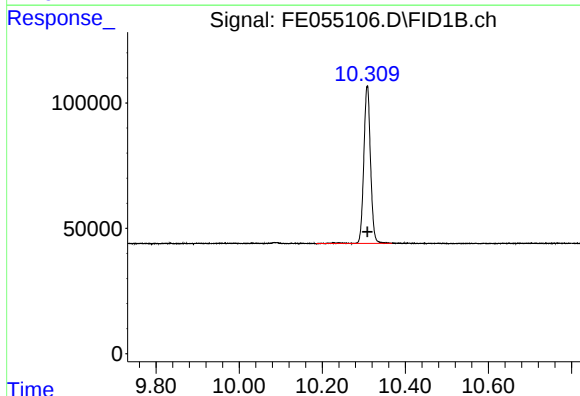
R.T.: 7.501 min
Delta R.T.: 0.000 min
Response: 697536
Conc: 5.35 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5



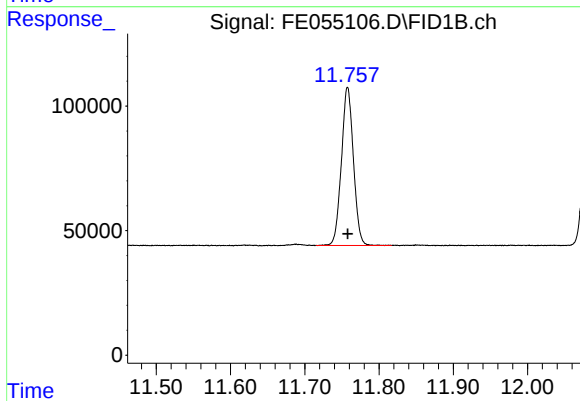
#6 n-Tetradecane (C14)

R.T.: 8.694 min
Delta R.T.: 0.000 min
Response: 677397
Conc: 5.52 ug/ml



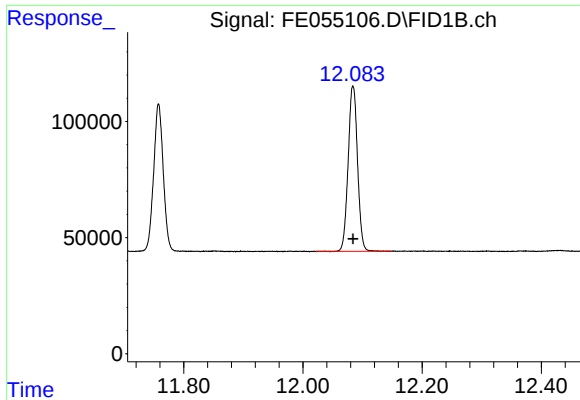
#7 n-Hexadecane (C16)

R.T.: 10.308 min
Delta R.T.: 0.000 min
Response: 701326
Conc: 5.49 ug/ml



#8 n-Octadecane (C18)

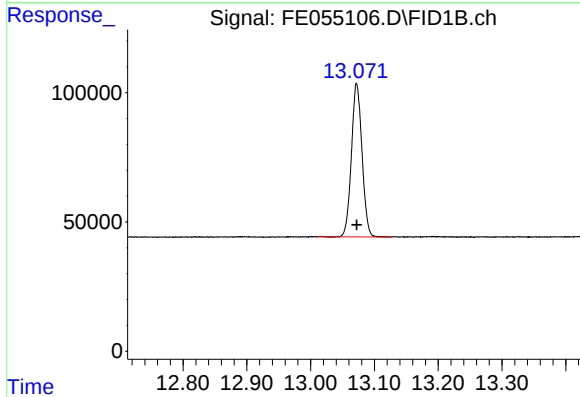
R.T.: 11.758 min
Delta R.T.: 0.000 min
Response: 713273
Conc: 5.47 ug/ml



#9 ortho-Terphenyl (SURR)

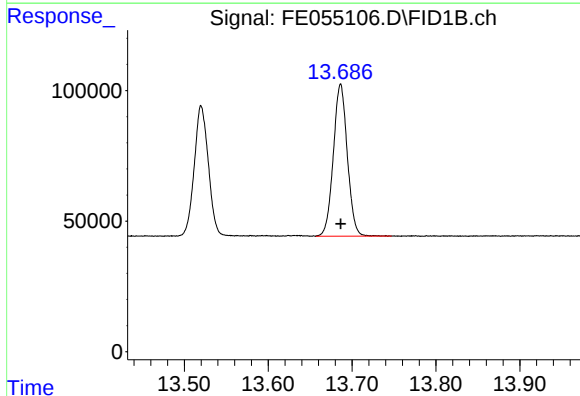
R.T.: 12.084 min
Delta R.T.: 0.000 min
Response: 778115
Conc: 5.45 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5



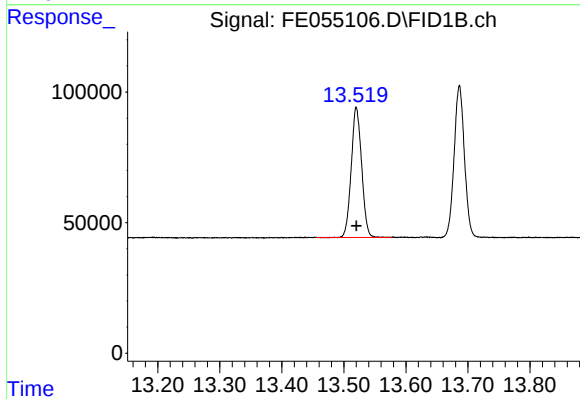
#10 n-Eicosane (C20)

R.T.: 13.072 min
Delta R.T.: 0.000 min
Response: 684201
Conc: 5.45 ug/ml



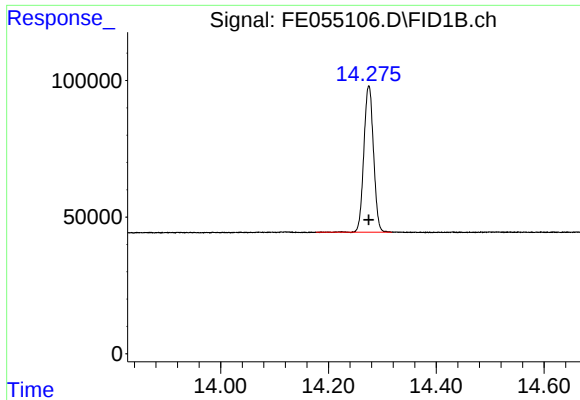
#11 n-Heneicosane (C21)

R.T.: 13.686 min
Delta R.T.: 0.000 min
Response: 674909
Conc: 5.48 ug/ml



#12 1-chlorooctadecane (SURR)

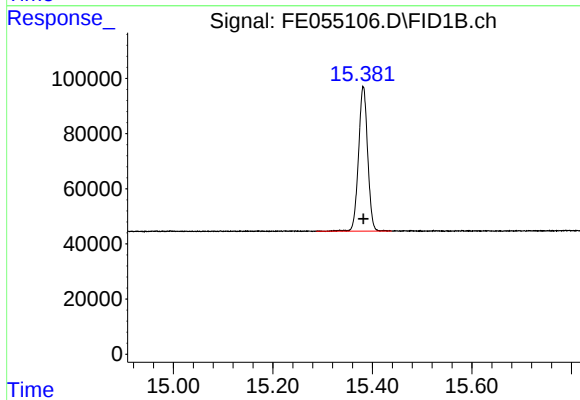
R.T.: 13.520 min
Delta R.T.: 0.000 min
Response: 580920
Conc: 5.40 ug/ml



#13 n-Docosane (C22)

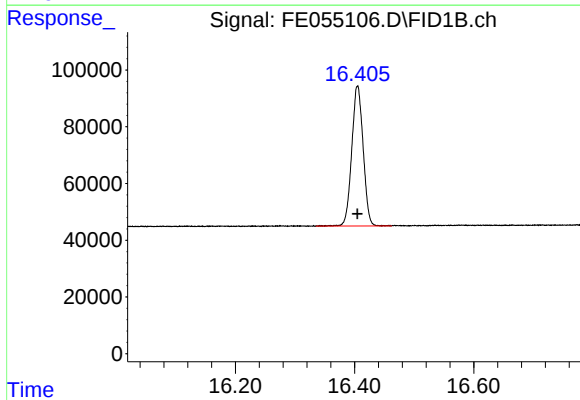
R.T.: 14.275 min
Delta R.T.: 0.000 min
Response: 665279
Conc: 5.45 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5



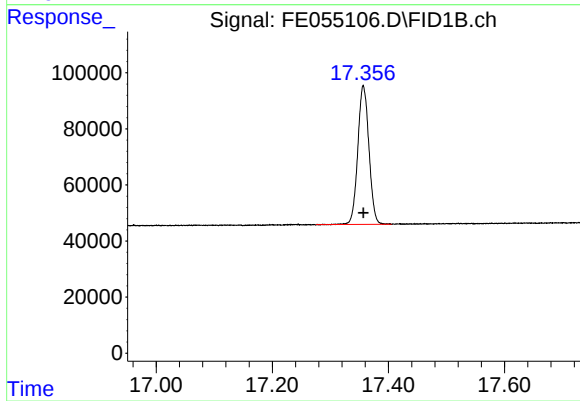
#14 n-Tetracosane (C24)

R.T.: 15.382 min
Delta R.T.: 0.000 min
Response: 666101
Conc: 5.48 ug/ml



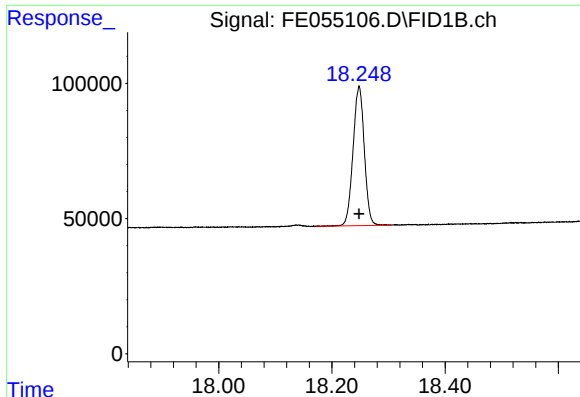
#15 n-Hexacosane (C26)

R.T.: 16.405 min
Delta R.T.: 0.000 min
Response: 654109
Conc: 5.47 ug/ml



#16 n-Octacosane (C28)

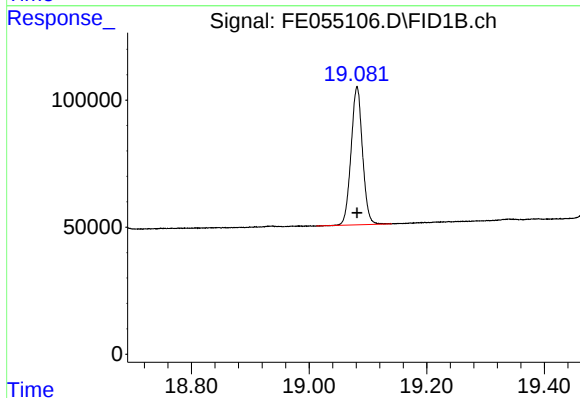
R.T.: 17.357 min
Delta R.T.: 0.000 min
Response: 659989
Conc: 5.56 ug/ml



#17 n-Tricontane (C30)

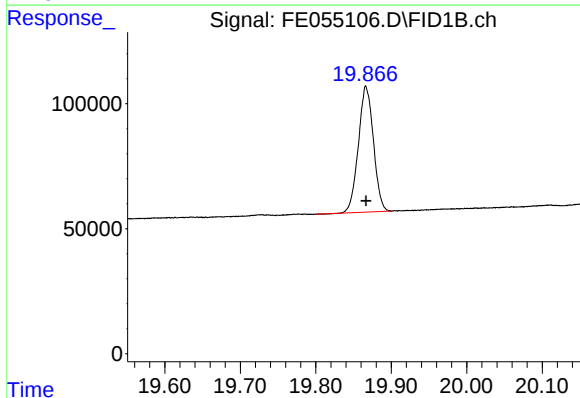
R.T.: 18.248 min
Delta R.T.: 0.000 min
Response: 712384
Conc: 5.79 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5



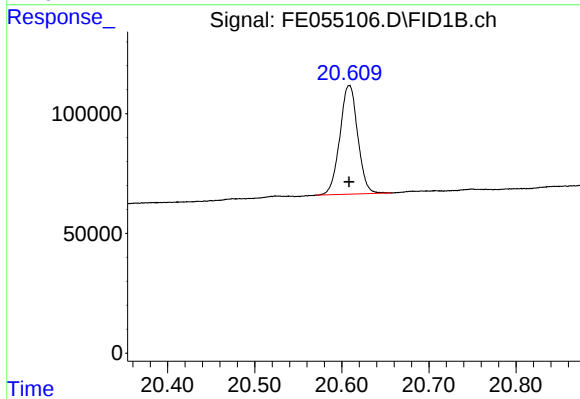
#18 n-Dotriacontane (C32)

R.T.: 19.081 min
Delta R.T.: 0.000 min
Response: 732022
Conc: 6.00 ug/ml



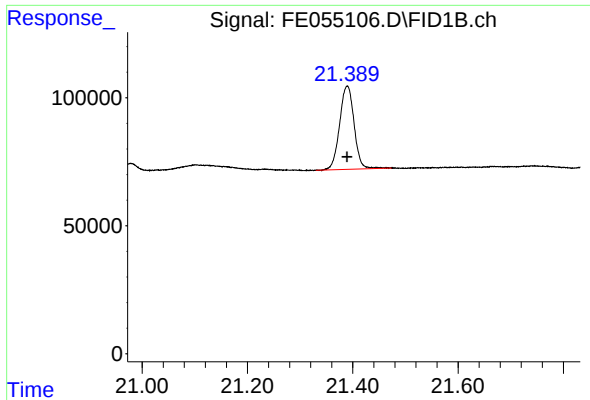
#19 n-Tetratriacontane (C34)

R.T.: 19.867 min
Delta R.T.: 0.000 min
Response: 697694
Conc: 5.97 ug/ml



#20 n-Hexatriacontane (C36)

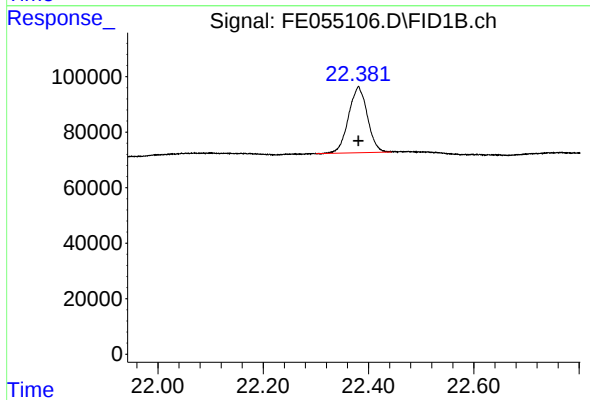
R.T.: 20.608 min
Delta R.T.: 0.000 min
Response: 646626
Conc: 5.92 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.390 min
Delta R.T.: 0.000 min
Response: 620578
Conc: 5.74 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5



#22 n-Tetracontane (C40)

R.T.: 22.381 min
Delta R.T.: 0.000 min
Response: 588826
Conc: 5.63 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE080125AL\
Data File : FE055106.D
Signal(s) : FID1B.ch
Acq On : 01 Aug 2025 13:25
Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 15 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.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	3.422	3.385	3.477	BB	64431	629501	80.90%	4.257%
2	4.681	4.650	4.725	BB	64621	632551	81.29%	4.278%
3	6.401	6.369	6.470	BB	75358	724982	93.17%	4.903%
4	6.856	6.825	6.909	BB	65928	647501	83.21%	4.379%
5	7.501	7.457	7.582	BB	67243	697536	89.64%	4.718%
6	8.694	8.635	8.775	BB	61673	677397	87.06%	4.581%
7	10.308	10.185	10.367	BB	62824	701326	90.13%	4.743%
8	11.758	11.715	11.817	BB	63586	713273	91.67%	4.824%
9	12.084	12.022	12.149	BB	71185	778115	100.00%	5.263%
10	13.072	13.009	13.127	BB	59302	684201	87.93%	4.627%
11	13.520	13.455	13.577	BB	49645	580920	74.66%	3.929%
12	13.686	13.657	13.747	BB	58559	674909	86.74%	4.565%
13	14.275	14.177	14.317	BB	53685	665279	85.50%	4.499%
14	15.382	15.287	15.439	BB	52255	666101	85.60%	4.505%
15	16.405	16.335	16.462	BB	49309	654109	84.06%	4.424%
16	17.357	17.275	17.405	BB	49399	659989	84.82%	4.464%
17	18.248	18.172	18.305	BB	51763	712384	91.55%	4.818%
18	19.082	19.012	19.140	BB	54579	732022	94.08%	4.951%
19	19.867	19.800	19.900	BB	49987	697694	89.66%	4.719%
20	20.608	20.570	20.657	BV	45351	646626	83.10%	4.373%
21	21.390	21.330	21.474	BB	32525	620578	79.75%	4.197%
22	22.381	22.300	22.444	BB	23828	588826	75.67%	3.982%
Sum of corrected areas:						14785819		

Aliphatic EPH 080125.M Fri Aug 01 15:03:32 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE080125AL\
 Data File : FE055107.D
 Signal(s) : FID1B.ch
 Acq On : 01 Aug 2025 13:55
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD ICV
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD ICV

Integration File: autoint1.e
 Quant Time: Aug 01 14:16:40 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 01 13:47:09 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)	12.085	2866726	20.075 ug/ml
Spiked Amount 50.000		Recovery =	40.15%
12) S 1-chlorooctadecane (S...	13.521	2156193	20.053 ug/ml
Spiked Amount 50.000		Recovery =	40.11%
Target Compounds			
1) T n-Nonane (C9)	3.423	2320492	20.219 ug/ml
2) T n-Decane (C10)	4.681	2357337	20.235 ug/ml
3) T A~Naphthalene (C11.7)	6.400	2711551	20.201 ug/ml
4) T n-Dodecane (C12)	6.857	2407946	20.221 ug/ml
5) T A~2-methylnaphthalene...	7.501	2636139	20.218 ug/ml
6) T n-Tetradecane (C14)	8.694	2463791	20.095 ug/ml
7) T n-Hexadecane (C16)	10.309	2561685	20.038 ug/ml
8) T n-Octadecane (C18)	11.759	2619955	20.080 ug/ml
10) T n-Eicosane (C20)	13.073	2518489	20.072 ug/ml
11) T n-Heneicosane (C21)	13.688	2473384	20.065 ug/ml
13) T n-Docosane (C22)	14.276	2448476	20.050 ug/ml
14) T n-Tetracosane (C24)	15.382	2433764	20.009 ug/ml
15) T n-Hexacosane (C26)	16.407	2397717	20.040 ug/ml
16) T n-Octacosane (C28)	17.359	2370324	19.982 ug/ml
17) T n-Tricontane (C30)	18.248	2441052	19.838 ug/ml
18) T n-Dotriacontane (C32)	19.082	2401932	19.686 ug/ml
19) T n-Tetratriacontane (C34)	19.867	2323225	19.870 ug/ml
20) T n-Hexatriacontane (C36)	20.609	2160075	19.763 ug/ml
21) T n-Octatriacontane (C38)	21.390	2112729	19.549 ug/ml
22) T n-Tetracontane (C40)	22.381	2109848	20.176 ug/ml

(f)=RT Delta > 1/2 Window

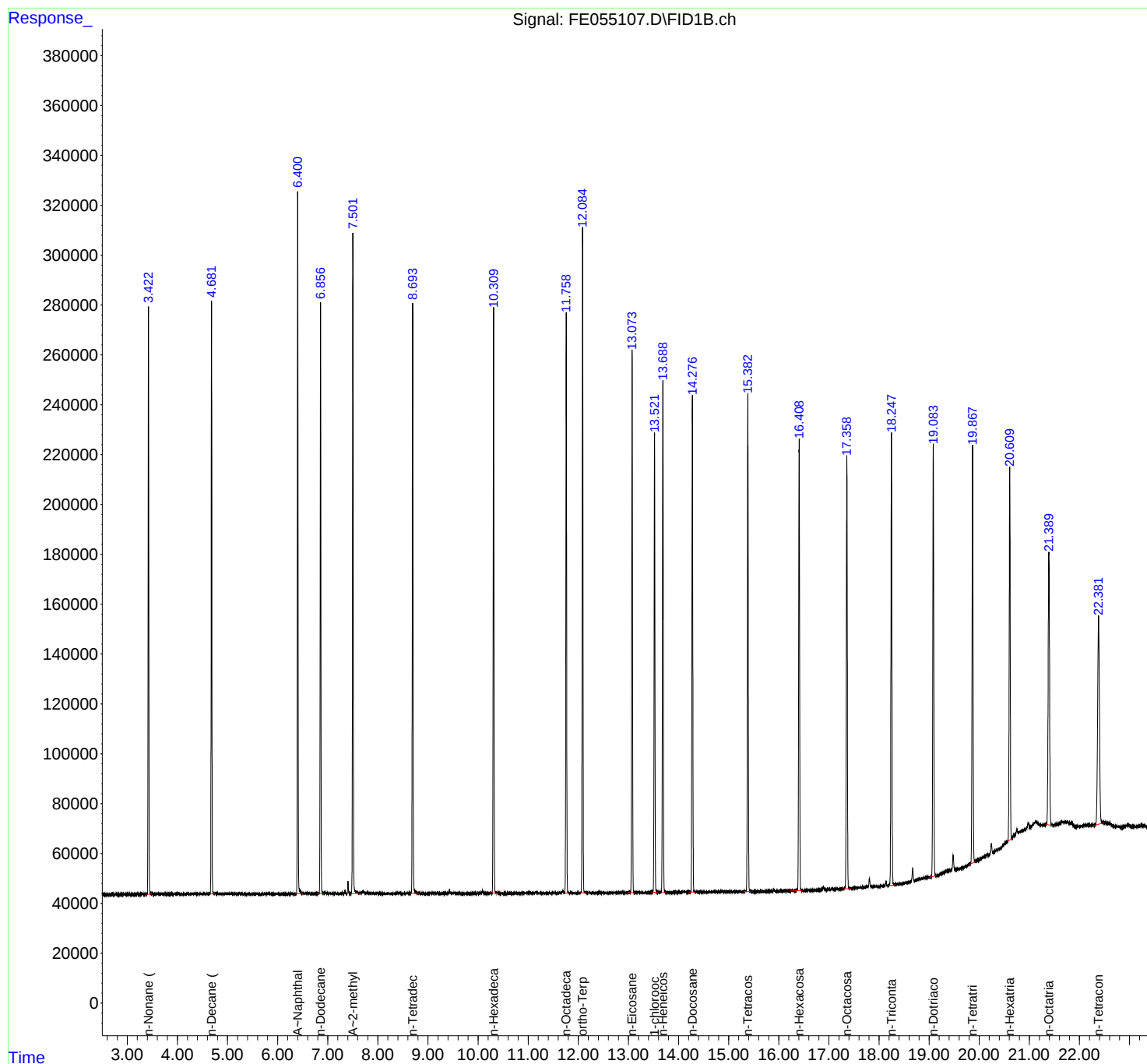
(m)=manual int.

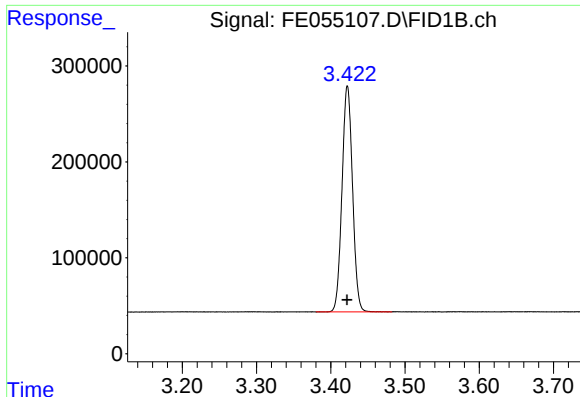
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE080125AL\
Data File : FE055107.D
Signal(s) : FID1B.ch
Acq On : 01 Aug 2025 13:55
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD ICV
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV

Integration File: autoint1.e
Quant Time: Aug 01 14:16:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 13:47:09 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)

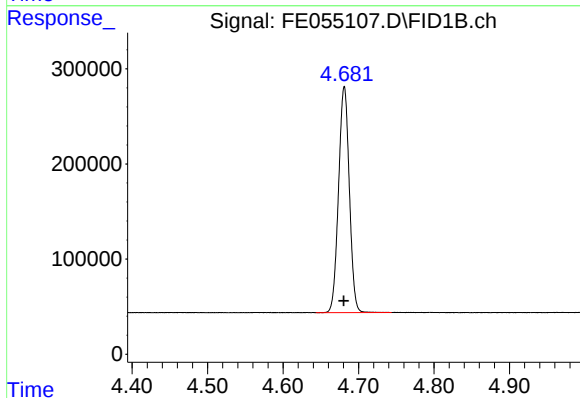
R.T.: 3.423 min
Delta R.T.: 0.000 min
Response: 2320492
Conc: 20.22 ug/ml

Instrument :

FID_E

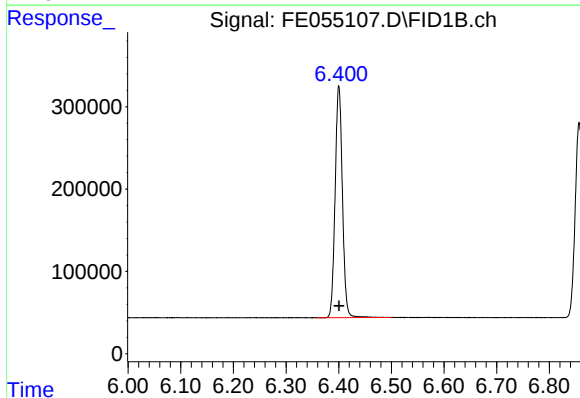
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



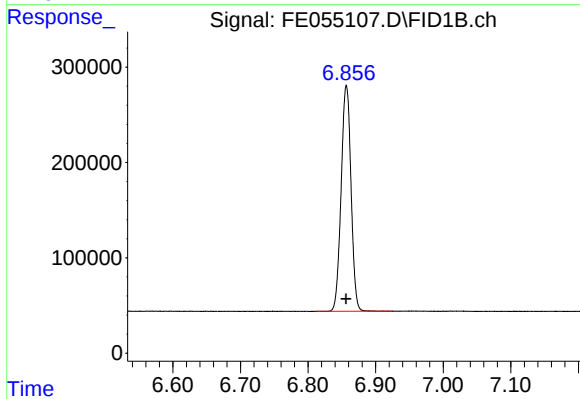
#2 n-Decane (C10)

R.T.: 4.681 min
Delta R.T.: 0.000 min
Response: 2357337
Conc: 20.24 ug/ml



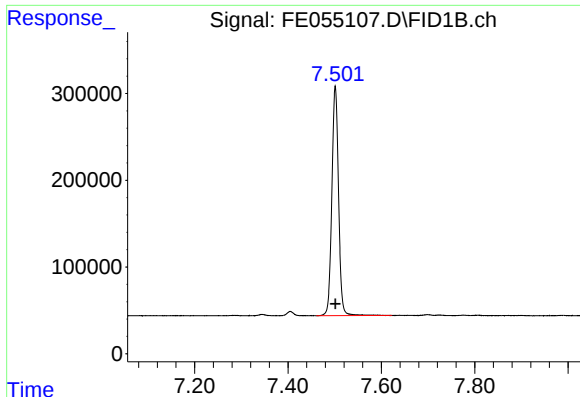
#3 A~Naphthalene (C11.7)

R.T.: 6.400 min
Delta R.T.: 0.000 min
Response: 2711551
Conc: 20.20 ug/ml



#4 n-Dodecane (C12)

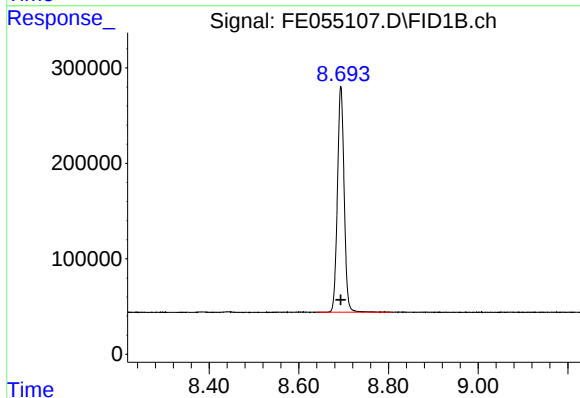
R.T.: 6.857 min
Delta R.T.: 0.000 min
Response: 2407946
Conc: 20.22 ug/ml



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

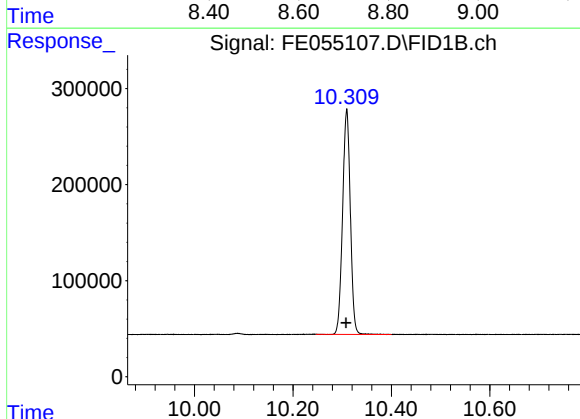
R.T.: 7.501 min
Delta R.T.: 0.000 min
Response: 2636139
Conc: 20.22 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



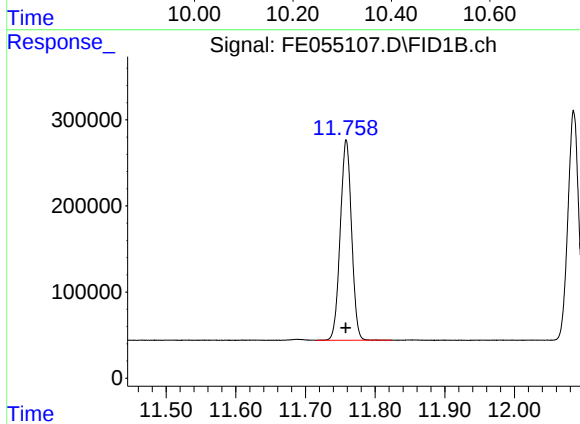
#6 n-Tetradecane (C14)

R.T.: 8.694 min
Delta R.T.: 0.000 min
Response: 2463791
Conc: 20.09 ug/ml



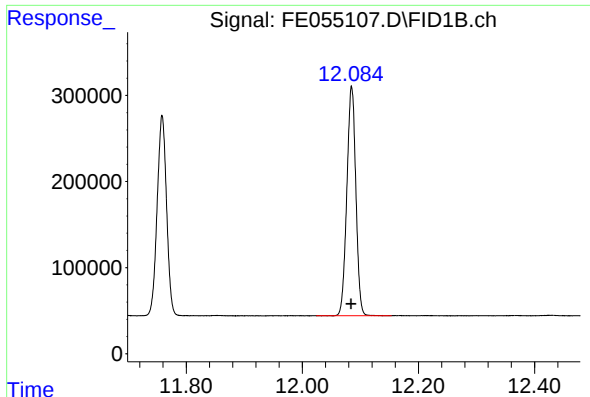
#7 n-Hexadecane (C16)

R.T.: 10.309 min
Delta R.T.: 0.000 min
Response: 2561685
Conc: 20.04 ug/ml



#8 n-Octadecane (C18)

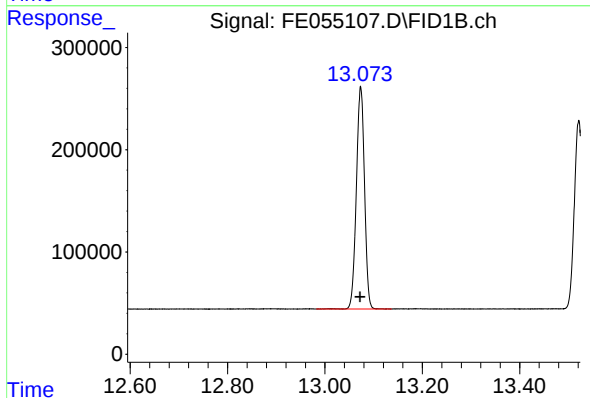
R.T.: 11.759 min
Delta R.T.: 0.000 min
Response: 2619955
Conc: 20.08 ug/ml



#9 ortho-Terphenyl (SURR)

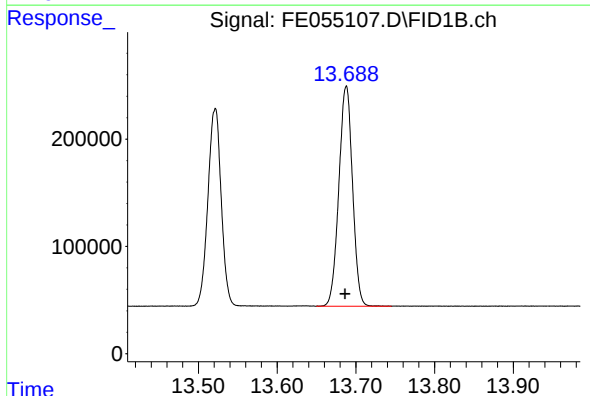
R.T.: 12.085 min
Delta R.T.: 0.000 min
Response: 2866726
Conc: 20.07 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



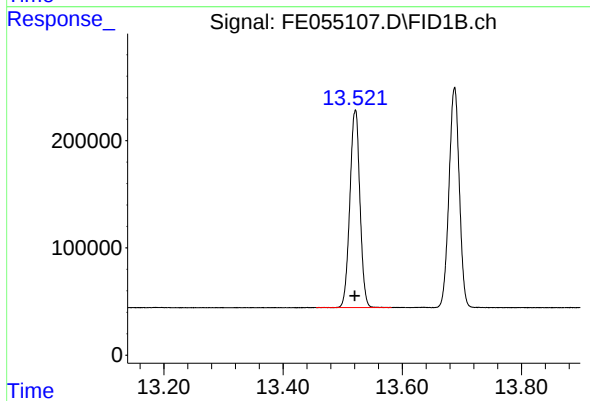
#10 n-Eicosane (C20)

R.T.: 13.073 min
Delta R.T.: 0.001 min
Response: 2518489
Conc: 20.07 ug/ml



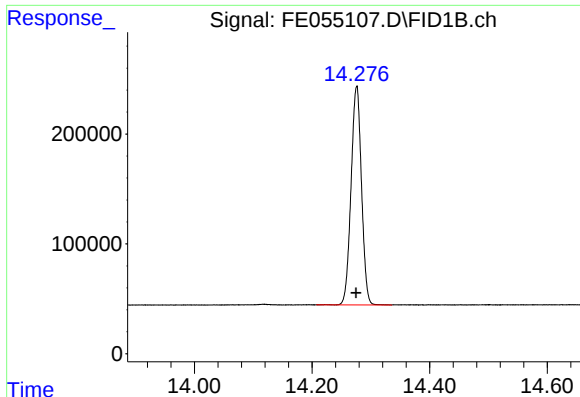
#11 n-Heneicosane (C21)

R.T.: 13.688 min
Delta R.T.: 0.001 min
Response: 2473384
Conc: 20.07 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.521 min
Delta R.T.: 0.000 min
Response: 2156193
Conc: 20.05 ug/ml



#13 n-Docosane (C22)

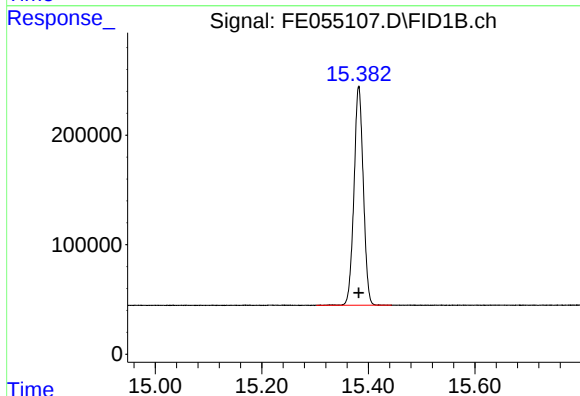
R.T.: 14.276 min
Delta R.T.: 0.000 min
Response: 2448476
Conc: 20.05 ug/ml

Instrument :

FID_E

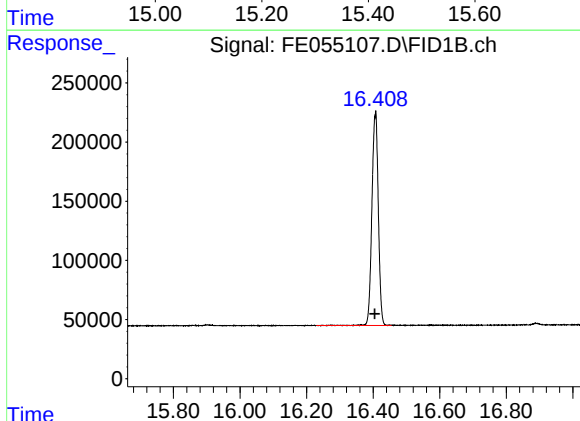
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



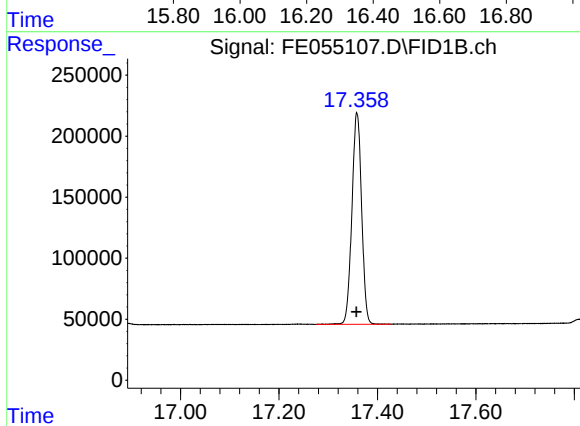
#14 n-Tetracosane (C24)

R.T.: 15.382 min
Delta R.T.: 0.000 min
Response: 2433764
Conc: 20.01 ug/ml



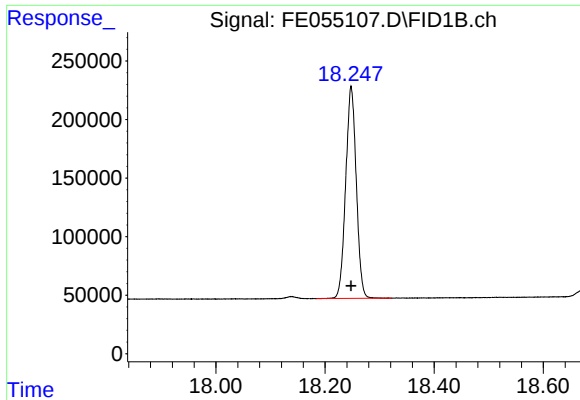
#15 n-Hexacosane (C26)

R.T.: 16.407 min
Delta R.T.: 0.002 min
Response: 2397717
Conc: 20.04 ug/ml



#16 n-Octacosane (C28)

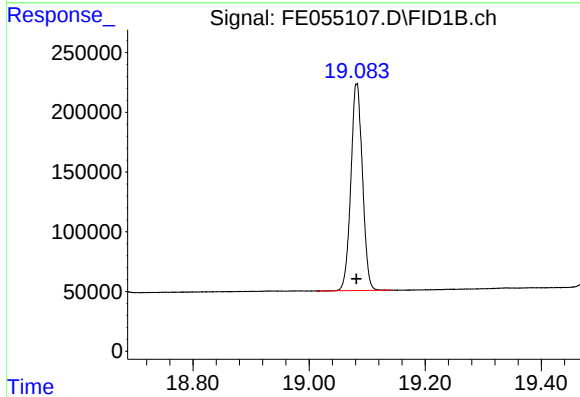
R.T.: 17.359 min
Delta R.T.: 0.002 min
Response: 2370324
Conc: 19.98 ug/ml



#17 n-Tricontane (C30)

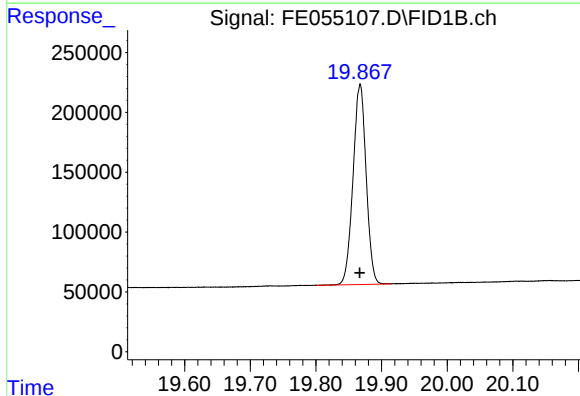
R.T.: 18.248 min
Delta R.T.: 0.000 min
Response: 2441052
Conc: 19.84 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



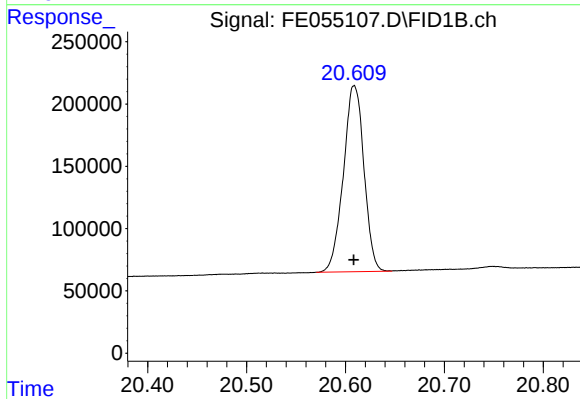
#18 n-Dotriacontane (C32)

R.T.: 19.082 min
Delta R.T.: 0.000 min
Response: 2401932
Conc: 19.69 ug/ml



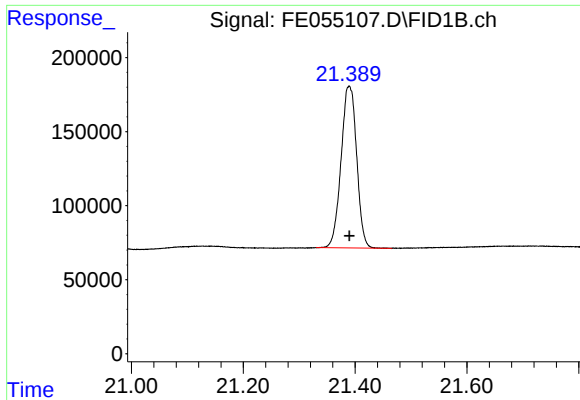
#19 n-Tetratriacontane (C34)

R.T.: 19.867 min
Delta R.T.: 0.000 min
Response: 2323225
Conc: 19.87 ug/ml



#20 n-Hexatriacontane (C36)

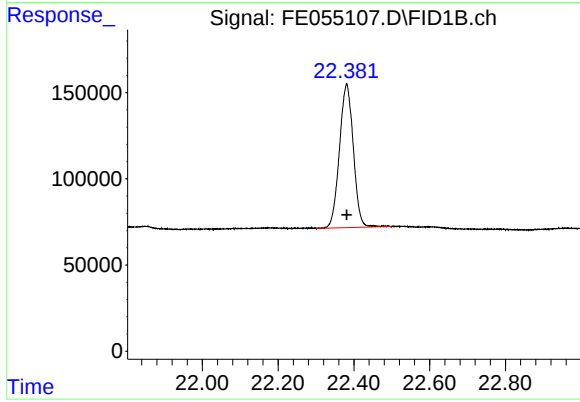
R.T.: 20.609 min
Delta R.T.: 0.000 min
Response: 2160075
Conc: 19.76 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.390 min
Delta R.T.: 0.000 min
Response: 2112729
Conc: 19.55 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



#22 n-Tetracontane (C40)

R.T.: 22.381 min
Delta R.T.: 0.000 min
Response: 2109848
Conc: 20.18 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE080125AL\
 Data File : FE055107.D
 Signal(s) : FID1B.ch
 Acq On : 01 Aug 2025 13:55
 Sample : 20 PPM ALIPHATIC HC STD ICV
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.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	3.423	3.380	3.482	BB	235935	2320492	80.95%	4.354%
2	4.681	4.644	4.744	BB	237548	2357337	82.23%	4.423%
3	6.400	6.357	6.500	BB	281367	2711551	94.59%	5.088%
4	6.857	6.812	6.924	BB	236802	2407946	84.00%	4.518%
5	7.501	7.460	7.622	BB	264419	2636139	91.96%	4.947%
6	8.694	8.639	8.807	BB	236777	2463791	85.94%	4.623%
7	10.309	10.247	10.400	BB	233401	2561685	89.36%	4.807%
8	11.759	11.715	11.824	PB	232814	2619955	91.39%	4.916%
9	12.085	12.024	12.154	BB	265468	2866726	100.00%	5.379%
10	13.074	12.982	13.137	BB	216764	2518489	87.85%	4.726%
11	13.521	13.455	13.582	BB	183371	2156193	75.21%	4.046%
12	13.688	13.650	13.745	PB	204951	2473384	86.28%	4.641%
13	14.276	14.207	14.335	BB	198948	2448476	85.41%	4.594%
14	15.382	15.302	15.444	BB	199328	2433764	84.90%	4.567%
15	16.407	16.229	16.455	BB	178966	2397717	83.64%	4.499%
16	17.359	17.275	17.429	BB	172737	2370324	82.68%	4.448%
17	18.248	18.184	18.322	BB	180187	2441052	85.15%	4.580%
18	19.082	19.012	19.142	BB	172722	2401932	83.79%	4.507%
19	19.867	19.800	19.915	BV	167321	2323225	81.04%	4.359%
20	20.609	20.570	20.647	BV	149142	2160075	75.35%	4.053%
21	21.390	21.330	21.465	BB	109229	2112729	73.70%	3.964%
22	22.381	22.300	22.500	BBA	83572	2109848	73.60%	3.959%
Sum of corrected areas:						53292830		

Aliphatic EPH 080125.M Fri Aug 01 15:03:05 2025